

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

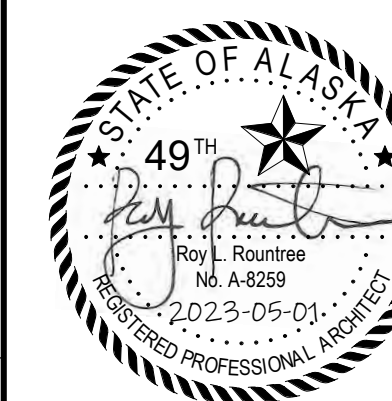
Autodesk Docs://20-102_ACS_Kotzebue_CH/20-102_ACS_KOTZ_CH-A-Model.rvt

5/2/2023 9:42:52 AM

ALASKA COURT SYSTEM

KOTZEBUE COURTHOUSE CONSOLIDATION & SECURITY UPGRADES

KOTZEBUE, ALASKA



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION & SECURITY UPGRADES
KOTZEBUE, ALASKA
100% CONSTRUCTION DOCUMENTS

CONSULTANT:

PROJECT NO:	20-102	
DATE:	2023-05-01	
DRAWN BY:	GB	
CHECKED BY:	DN	
REVISION	DESCRIPTION	DATE

PROJECT TITLE, PROJECT TEAM, SHEET INDEX, GENERAL PROJECT NOTES

G001

BETTISWORTH NORTH ARCHITECTS & PLANNERS

DRAWING INDEX

GENERAL		A703	CLERKS COUNTER - ENLARGED PLAN & ELEVATIONS
G001	PROJECT TITLE, PROJECT TEAM, SHEET INDEX, GENERAL PROJECT NOTES	A704	DISTRICT COURTROOM - ENLARGED PLAN & ELEVATIONS
G002	CODE ANALYSIS & CODE PLANS	A705	SUPERIOR COURTROOM - ENLARGED PLAN & ELEVATIONS
HAZMAT		A706	PUBLIC TOILET, HALLWAY & WALKWAY - ENLARGED PLANS & ELEVATIONS
H001	HAZARDS ABATEMENT - SPECIFICATIONS	A707	WOMENS & MENS LOCKER ROOMS - ENLARGED PLANS & ELEVATIONS
H002	HAZARDS ABATEMENT - SPECIFICATIONS	A708	MEZZANINE - ENLARGED STAIR PLAN, SECTIONS & DETAILS
DEMOLITION		A709	ENTRY STAIR - ENLARGED PLANS, RCP & ELEVATIONS
AD101	FIRST FLOOR PLAN - DEMO	A811	INTERIOR DETAILS - OPENINGS & CEILING TRANSITIONS
AD102	SECOND FLOOR PLAN - DEMO	A812	INTERIOR DETAILS - WALL PROTECTION & FLOOR TRANSITIONS
AD201	FIRST FLOOR REFLECTED CEILING PLAN - DEMO	A813	INTERIOR DETAILS - COURTROOM MILLWORK
AD202	SECOND FLOOR REFLECTED CEILING PLAN - DEMO	A814	INTERIOR DETAILS - COURTROOM MILLWORK
AD601	FIRST FLOOR - ENLARGED DEMO PLAN, RCP & ELEVATIONS	A815	INTERIOR DETAILS - COURTROOM MILLWORK
AD602	FIRST FLOOR - ENLARGED DEMO PLAN & RCP	A831	CASEWORK LEGEND & DETAILS
AD603	SECOND FLOOR - ENLARGED DEMO PLANS	A911	DOOR SCHEDULE
ARCHITECTURE		A912	FINISH SCHEDULE
A001	ASSEMBLY TYPES, ABBREVIATIONS, SYMBOLS	A913	FINISH LEGEND
A002	SPECIFICATIONS	A914A	FIRST FLOOR FINISH PLAN - BLOCK A
A003	SPECIFICATIONS	A915A	SECOND FLOOR FINISH PLAN - BLOCK A
A004	SPECIFICATIONS	A915B	SECOND FLOOR FINISH PLAN - BLOCK B
A005	SPECIFICATIONS	A916	SIGN LEGEND & SCHEDULE
A006	SPECIFICATIONS	A917	FIRST FLOOR SIGNAGE PLAN - BLOCK A
A007	SPECIFICATIONS	A918	SECOND FLOOR SIGNAGE PLAN - BLOCK A
A008	SPECIFICATIONS	A919	SECOND FLOOR SIGNAGE PLAN - BLOCK B
A009	SPECIFICATIONS	STRUCTURAL	
A010	SPECIFICATIONS	S001	ABBREVIATIONS AND GENERAL NOTES
A011	SPECIFICATIONS	S110	SECOND FLOOR FRAMING - OVERALL
A012	SPECIFICATIONS	S401	ENLARGED PLANS
A013	SPECIFICATIONS	S501	DETAILS
A014	SPECIFICATIONS	S502	DETAILS
A015	SPECIFICATIONS	MECHANICAL	
A100	FIRST FLOOR PLAN - OVERALL	M001	MECHANICAL LEGEND AND SCHEDULES
A101A	FIRST FLOOR PLAN - BLOCK A	M002	MECHANICAL SPECIFICATIONS
A110	SECOND FLOOR PLAN - OVERALL	M003	MECHANICAL SPECIFICATIONS
A111A	SECOND FLOOR PLAN - BLOCK A	M004	MECHANICAL SPECIFICATIONS
A111B	SECOND FLOOR PLAN - BLOCK B	M005	MECHANICAL SPECIFICATIONS
A200	FIRST FLOOR REFLECTED CEILING PLAN - OVERALL	M101	MECHANICAL DEMOLITION PLAN - FIRST FLOOR
A201A	FIRST FLOOR REFLECTED CEILING PLAN - BLOCK A	M102	HEATING AND PLUMBING PIPING DEMOLITION PLANS - SECOND FLOOR
A210	SECOND FLOOR REFLECTED CEILING PLAN - OVERALL	M103	MECHANICAL DEMOLITION PLAN - BLOCK A - SECOND FLOOR
A211A	SECOND FLOOR REFLECTED CEILING PLAN - BLOCK A	M104	SECOND FLOOR MEN'S AND WOMEN'S LOCKER ROOM PIPING DEMOLITION PLAN
A211B	SECOND FLOOR REFLECTED CEILING PLAN - BLOCK B	M105	ENLARGED FAN ROOMS DEMOLITION
A220	SECOND FLOOR REFLECTED CEILING PLANS - ENLARGED	M201	BELOW FLOOR PLUMBING PLAN - FIRST FLOOR
A303	BUILDING SECTIONS	M202	FIRST FLOOR LOCKER ROOM MECHANICAL PLANS
A401	WALL SECTIONS	M203	HEATING AND PLUMBING PIPING REMODEL PLAN
A601	DISTRICT COURTROOM - ENLARGED BENCH PLAN, ELEVATIONS & DETAILS	M204	MECHANICAL REMODEL PLAN - BLOCK A
A602	SUPERIOR COURTROOM - ENLARGED BENCH PLAN, ELEVATIONS & DETAILS	M205	RESTROOM GROUP PIPING REMODEL
A603	SUPERIOR COURTROOM - ENLARGED PODIUM & LITIGATION TABLES DETAILS	M206	MECHANICAL REMODEL PLAN - BLOCK B
A701	INTERIOR ELEVATIONS - TYPICAL MOUNTING HEIGHTS	M207	ENLARGED FAN ROOM REMODEL PLANS
A702	INTERIOR ELEVATIONS	M301	BUILDING SECTIONS

ELECTRICAL	
E001	ELECTRICAL LEGEND AND FIXTURE SCHEDULE
E002	ELECTRICAL SPECIFICATIONS
E003	ELECTRICAL SPECIFICATIONS
E004	ELECTRICAL SPECIFICATIONS
E005	LOAD CALCULATIONS
E101	FIRST FLOOR - BLOCK A - LIGHTING DEMOLITION PLAN
E102	SECOND FLOOR - BLOCK A - LIGHTING DEMOLITION PLAN
E103	SECOND FLOOR - BLOCK B - LIGHTING DEMOLITION PLAN
E104	FIRST FLOOR - BLOCK A - POWER AND SIGNAL DEMOLITION PLAN
E105	SECOND FLOOR - BLOCK A - POWER AND SIGNAL DEMOLITION PLAN
E106	SECOND FLOOR - BLOCK B - POWER AND SIGNAL DEMOLITION PLAN
E201	FIRST FLOOR - BLOCK A - LIGHTING REMODEL PLAN
E202	FIRST FLOOR - BLOCK B - LIGHTING REMODEL PLAN
E203	SECOND FLOOR - BLOCK A - LIGHTING REMODEL PLAN
E204	SECOND FLOOR - BLOCK B - LIGHTING REMODEL PLAN
E301	FIRST FLOOR - BLOCK A - POWER AND SIGNAL REMODEL PLAN
E302	SECOND FLOOR - BLOCK A - POWER AND SIGNAL REMODEL PLAN
E303	SECOND FLOOR - BLOCK B - POWER AND SIGNAL REMODEL PLAN
E401	ELECTRICAL DETAILS & PARTIAL ONE-LINE
E402	ELECTRICAL DETAILS
E501	PANEL SCHEDULES
E502	PANEL SCHEDULES

BID ALTERNATES	GENERAL PROJECT NOTES
1. ACCESS CONTROL	PROJECT DESCRIPTION: THIS PROJECT IS A FULL REMODEL OF THE ENTIRE SECOND FLOOR AT THE KOTZEBUE NATIONAL GUARD BUILDING TO CONSOLIDATE ALL COURT FACILITIES ON TO A SINGLE LEVEL, AS WELL AS A TENANT IMPROVEMENT IN AN EXISTING FIRST FLOOR STORAGE AREA TO ACCOMMODATE THE RELOCATION OF EXISTING LOCKER ROOM/SHOWER FACILITIES.
BASE BID: PROVIDE MANUAL ACCESS CONTROL HARDWARE AS SCHEDULED. PREPARE DESIGNATED DOORS AND FRAMES FOR FUTURE ELECTRIC ACCESS CONTROL COMPONENTS.	ALTERNATE: ELECTRONIC ACCESS CONTROL (CARD READERS) AS INDICATED ON ELECTRICAL DRAWINGS.
2. RESTROOM AND LOCKER ROOM FINISHES:	REFERENCE CODES: ALL WORK SHALL CONFORM TO ALL APPLICABLE BUILDING CODES, STANDARDS, REGULATIONS, AND OTHER SUPPLEMENTAL AMENDMENTS PER THE JURISDICTIONS OF THE PROJECT.
BASE BID: TILE FLOORS AND WAINSCOTS AS SCHEDULED.	DRAWING FORMAT: THESE CONSTRUCTION DOCUMENTS HAVE BEEN PRODUCED AT DRAWING SCALES RELATED TO THEIR FULL-SIZE FORMAT [22X34]. ANY DEVIATIONS FROM THIS FORMAT SIZE WILL PRODUCE DRAWINGS OUTSIDE OF THE SCALE LIMITS INDICATED.
ALTERNATE: LOCKER ROOM: ALTRO AQUARIUS SHEET VINYL, HEAT WELDED, 6" ICB BASE; CRANE COMPOSITES CLASS B PEBBLED GLOSS FRP WAINSCOT, COLORS TBD.	ELECTRONIC MEDIA: THE AVAILABILITY OF ELECTRONIC DOCUMENTS FOR USE BY THE GENERAL CONTRACTOR ON THIS PROJECT IS CONDITIONALLY GRANTED THROUGH PERMISSION OF DESIGNER OF RECORD.
ALTERNATE, RESTROOMS: TARKETT ACCZENT FLOURISH HETEROGENEOUS SHEET VINYL, WIDTH HEAT WELDED, 6" ICB; INPRO HIP WAINSCOT, COLORS TBD.	VERIFY CONDITIONS: THE CONTRACTOR SHALL VERIFY ALL PROJECT-RELATED NEW AND/OR EXISTING CONDITIONS, INCLUDING DIMENSIONS PRIOR TO THE COMMENCEMENT OF WORK. PROMPTLY NOTIFY THE ARCHITECT AND OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES AND/OR UNKNOWN CONDITIONS OBSERVED.
	SITE SAFETY: THE CONTRACTOR IS RESPONSIBLE FOR ALL PROJECT RELATED SAFETY MEASURES ON-SITE, DURING THE PROJECTS CONSTRUCTION PERIOD. NOTIFY THE GENERAL CONTRACTOR, AND/OR THE DESIGNATED "SAFETY OFFICER" AT ONCE SHOULD ANY SAFETY RELATED CONCERNS BE OBSERVED.
	ALTERNATES: THIS PROJECT INCLUDES BID ALTERNATES AS DESCRIBED ON SHEET G001.

100% CONSTRUCTION DOCUMENTS

MAY 1, 2023

PROJECT TEAM

OWNER	ARCHITECTURE	INTERIORS	STRUCTURAL	ELECTRICAL	MECHANICAL	ENVIRONMENTAL/HAZMAT
ALASKA COURT SYSTEM PHONE: (907) 264-8297 CONTACT: ANNA HARRISON EMAIL: aharrison@akcourts.gov	BETTISWORTH NORTH ARCHITECTS PHONE: (907) 561-5780 CONTACT: ROY ROUNTREE EMAIL: rountree@bettisworthnorth.com	BETTISWORTH NORTH ARCHITECTS PHONE: (907) 561-5780 CONTACT: DANA NUNN EMAIL: dnunn@bettisworthnorth.com	BBFM ENGINEERS, INC. PHONE: (907) 274-2236 CONTACT: GREG LATREILLE EMAIL: glatreille@bbfm.com	RSA ENGINEERING, INC. PHONE: (907) 276-0521 CONTACT: FRANK SILBERER EMAIL: fsilberer@rsa-ak.com	RSA ENGINEERING, INC. PHONE: (907) 276-0521 CONTACT: CHEYENNE ALABANZAS EMAIL: calabanzas@rsa-ak.com	EHS-ALASKA, INC. PHONE: (907) 694-1383 CONTACT: MARTIN SCHWAN EMAIL: mschwan@ehs-alaska.com

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

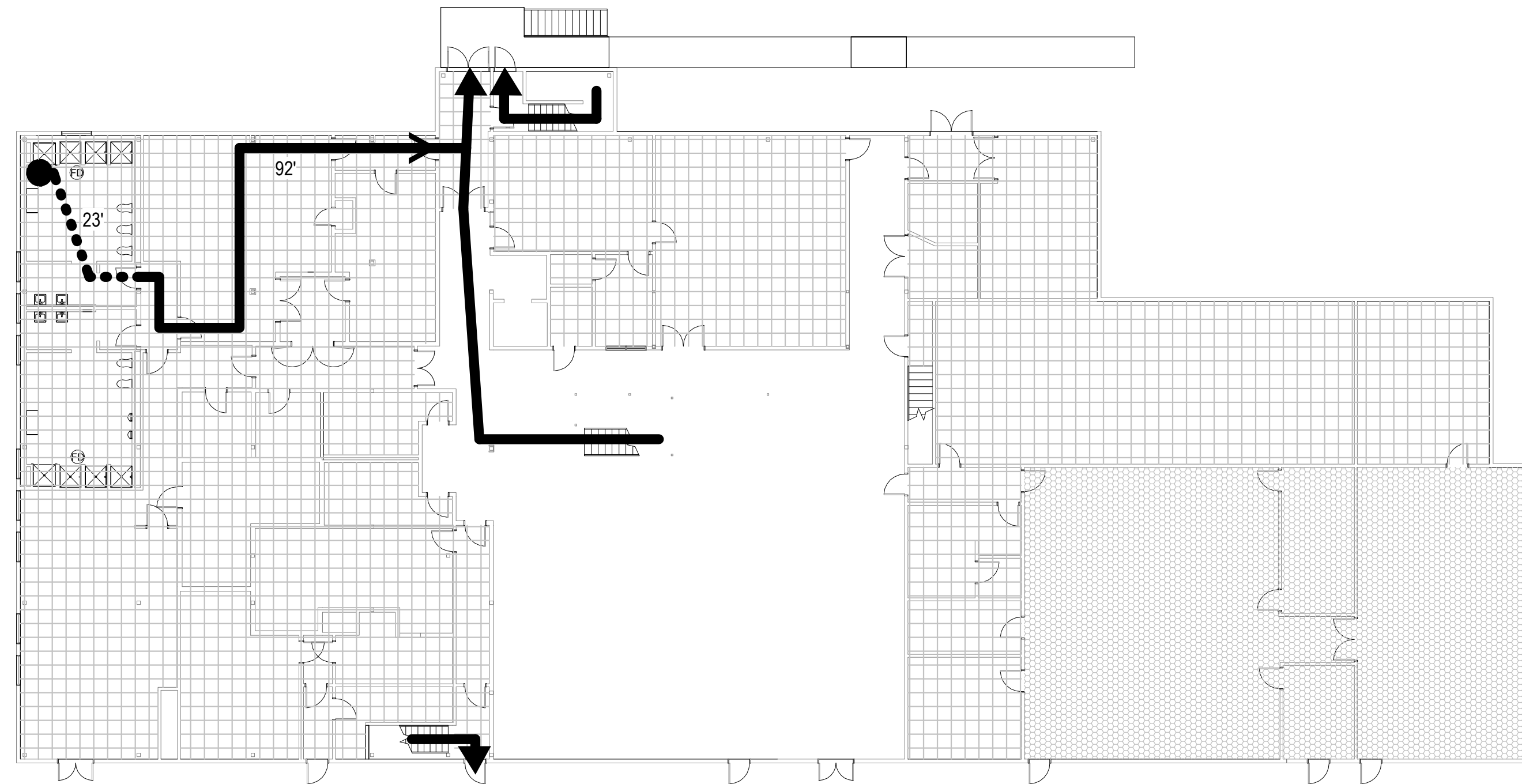
5/2/2023 9:42:53 AM

CODE ANALYSIS

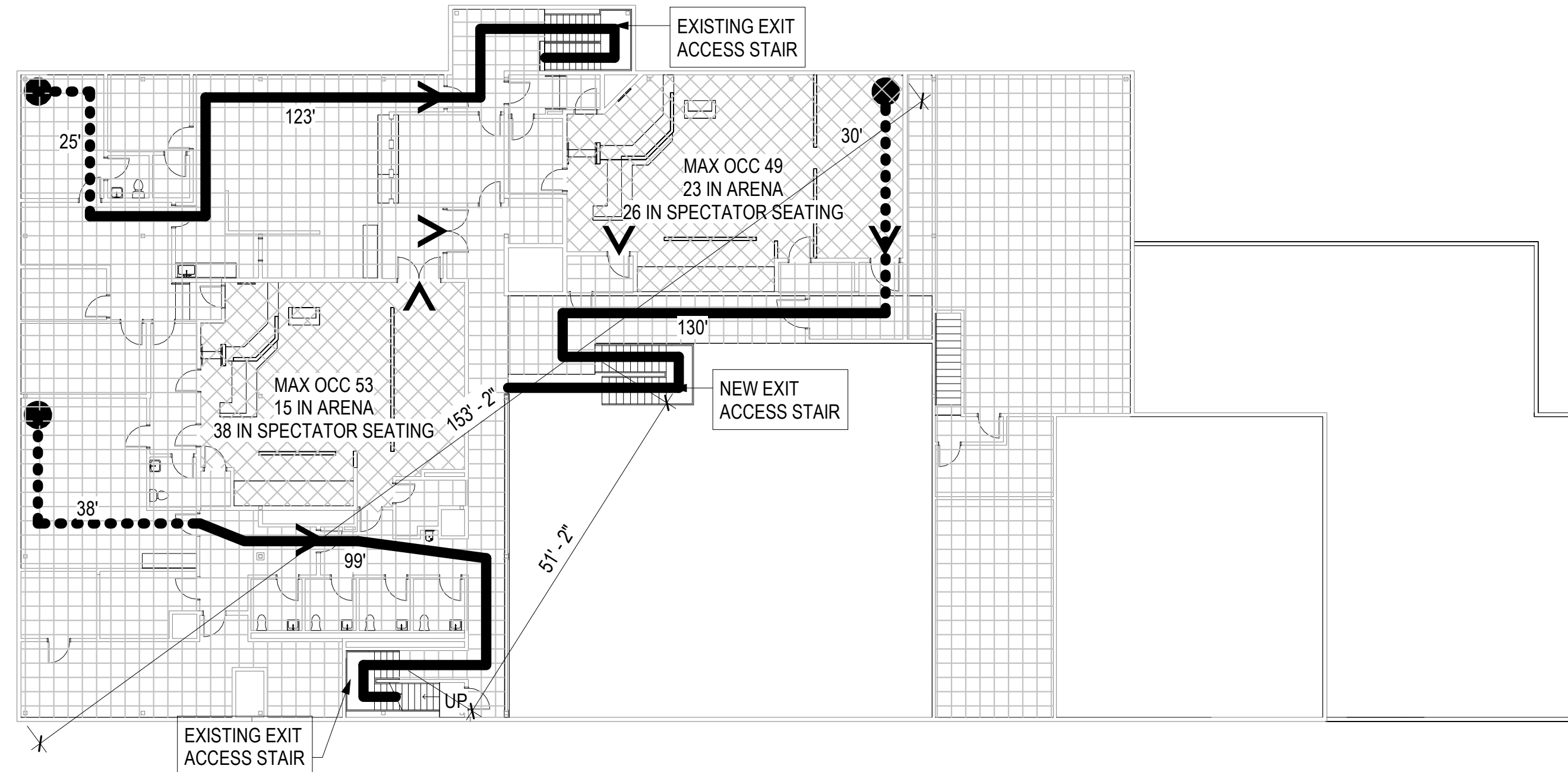
APPLICABLE CODES	BUILDING AND STRUCTURAL: 2021 IBC, 2021 IEBC WITH STATE AMENDMENTS ACCESSIBILITY: ANSI 117.1-2009 MECHANICAL: 2012 IMC ELECTRICAL: 2017 NEC PLUMBING: 2015 UPC GAS: 2015 UPC AND 2012 IFGC CHAPTERS 6 & 7. FIRE PROTECTION: 2012 IFC
OCCUPANCY	THESE BUILDING OCCUPANCIES WILL BE NON-SEPARATED COMPLYING WITH THE PROVISIONS OF IBC 508.3. THE EXISTING BUILDING HEIGHT AND AREA ARE COMPLIANT WITH THE MOST RESTRICTIVE OCCUPANCY GROUP, A-3, AND CONSTRUCTION TYPE V-B. EXISTING BUILDING IS MIXED OCCUPANCY (B, A-2.1, S-1) THE FIRST FLOOR OF THE BUILDING WILL REMAIN AS THE CURRENT B OCCUPANCY, THE SECOND FLOOR WILL REMAIN AS THE CURRENT B & A-3 OCCUPANCIES.
OCCUPANT LOAD:	THIS PROJECT DOES NOT CHANGE THE BUILDING AREA OR HEIGHT AND THE BUILDING IS IN COMPLIANCE WITH CODE REQUIREMENTS BUILDING (ORIGINAL) 27,947 GSF PER 2003 RENOVATION FIRST FLOOR (EXISTING) 18,186 GSF (B, A-2.1, S-1) = 182 OCCUPANTS SECOND FLOOR 9,761 GSF (B, A-3) = 178 OCCUPANTS SUPERIOR COURTROOM = 49 OCCUPANTS: FIXED SEATING, IBC 1004.5 DISTRICT COURTROOM = 53 OCCUPANTS: FIXED SEATING, IBC 1004.5
TYPE OF CONSTRUCTION	THE BUILDING WAS CONSTRUCTED IN 1985 AS A TYPE V, 1-HOUR CONSTRUCTION WITH SPRINKLER SUBSTITUTION PER UBC 508. SUBSEQUENT TO THE ORIGINAL CONSTRUCTION, A SPRINKLER SYSTEM WAS INSTALLED AND THE CONSTRUCTION TYPE WAS LISTED AS TYPE V-B CONSTRUCTION FOR THE 2003 RENOVATION. THIS PROJECT WILL MAINTAIN CONSTRUCTION TYPE V-B AND THE EXISTING SPRINKLER SYSTEM.

NOTES TO PLAN REVIEWER:

- THIS PROJECT IS BEING DESIGNED PER THE "WORK AREA COMPLIANCE METHOD" PER INTERNATIONAL EXISTING BUILDINGS CODE (IEBC) 101.4.1, 101.4.2 AND IEBC CHAPTERS 5 THROUGH 12.
- THE SCOPE OF THIS PROJECT IS CONSIDERED A "LEVEL 2 ALTERATION" PER IEBC 603, CONSISTING OF CHANGES TO LESS THAN 50% OF THE BUILDING, REQUIRING COMPLIANCE WITH IEBC CHAPTERS 7 & 8.
- THE NEW SUPERIOR COURTROOM SPACE WILL BE AN A-3 OCCUPANCY.
- THE COMMON PATH OF TRAVEL DOES NOT EXCEED 75 FEET PER IBC TABLE 1006.2.1.
- THE MAXIMUM DEAD END CORRIDOR DOES NOT EXCEED 20 FEET FOR A-3 OCCUPANCY PER IBC 1020.5.
- THE MAXIMUM EXIT ACCESS TRAVEL DISTANCE DOES NOT EXCEED 300 FEET FOR B OCCUPANCIES AND 250 FEET FOR A-3 OCCUPANCIES WITH SPRINKLER SYSTEM PER IBC TABLE 1017.2.
- CORRIDORS ARE NOT REQUIRED TO BE RATED PER IBC TABLE 1020.2.
- EXIT ACCESS STAIRS ARE NOT REQUIRED TO BE ENCLOSED WHEN COMPLIANT WITH IBC 1019.3 EXCEPTION #1.
- EXIT ACCESS SHALL BE LOCATED NO LESS THAN ONE-THIRD THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED, IBC 1007.1.1 EXCEPTION #2.



1
G002 FIRST FLOOR - CODE PLAN
1/16" = 1'-0"



2
G002 SECOND FLOOR - CODE PLAN
1/16" = 1'-0"

FIRE PROTECTION & EGRESS PLAN LEGEND

- NON RATED PARTITION
- 100' PATH OF EGRESS TRAVEL / TRAVEL DISTANCE
- ▶ > BUILDING EXIT
- ← CODE RELATED NOTE

OCCUPANCY PLAN LEGEND

- (NO HATCH) GROUP A-2.1
- ▨ GROUP A-3
- ▧ GROUP B
- ▩ GROUP S-1



BETTISWORTH NORTH

 ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION & SECURITY UPGRADES
 KOTZEBUE, ALASKA
 100% CONSTRUCTION DOCUMENTS

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: LK, MG

REVISION	DESCRIPTION	DATE

CODE ANALYSIS & CODE PLANS

G002

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

5/1/2023 12:16:41 PM Autodesk Docs://20-102 ACS Kotzebue CH20-102 ACS KOTZ CH-A-Model.rvt

SECTION 01 35 45 AIRBORNE CONTAMINANT CONTROL

PART 1 - GENERAL

1.01 SUMMARY:

- A. Related sections: 1. Section 02 26 00 Hazardous Materials Assessment 2. Section 02 41 00 Demolition 3. Section 02 81 00 Hazardous Materials - Summary of Requirements B. Notification of Potential Hazards: Asbestos, lead and other potentially hazardous materials are present in the Kotzebue Courthouse that may impact the work of all trades.

1.02 DEFINITIONS:

- A. "Airborne Contaminants" are those contaminants listed in 29 CFR 1926.55 and 8 AAC 61.1100 that have the potential to become airborne due to various work activities being performed by the Contractor. B. "Pre-Existing Contaminants" are those contaminants that are present in the facility prior to the start of any work. C. "Activity Generated Contaminants" are those contaminants generated by the various demolition or construction related activities of the Contractor. D. "Work Areas": Areas of demolition, renovation, construction, adjacent staging and storage areas, and passage areas for workers, supplies, and waste.

1.03 AIRBORNE CONTAMINANT CONTROL

- A. There is no requirement to remove Pre-Existing Contaminants from their work areas if they determine that to be a more cost effective means of completing the work. B. The Contractors shall establish and maintain control over the generation and containment of all potential airborne contaminants so that workers, facilities, staff, programs, equipment, and operations are not adversely affected.

- C. The Contractor shall establish and maintain control over Activity Generated Contaminants within the Work Area to prevent abnormally high levels of airborne contaminants from settling on architectural, mechanical, electrical, or structural components within the work areas, or interference with monitoring conducted for other work. D. The Contractor shall ensure that all workers are aware of the Occupied and Critical Clean Areas, the potential air contaminants present and the means and methods established in the work plan to control those contaminants. E. The Contractor shall ensure workers have the proper protective equipment needed for the job being performed.

1.04 TRAINING

- A. The Contractor shall ensure that all workers/trades performing work on the project site are trained in accordance with OSHA standards for hazard communication (29 CFR 1910.1200) and proper protective equipment (29 CFR 1926), as well as engineering controls and work methods required to prevent exposure to regulated air contaminants that might be generated or encountered as a result of their work, including 29 CFR 1926.1153.

1.05 RESPONSIBILITY:

- A. Owner's Responsibilities 1. The Owner shall identify in contract documents Occupied Areas and Critical Clean Areas prior to allowing the Contractor to begin work. B. Contractor's Responsibilities: 1. Preparing proposed work plans and procedures for control of airborne contaminants during demolition and construction. 2. Identifying and implementing specific means and methods of achieving and maintaining control of airborne contaminants.

1.06 SUBMITTALS:

- A. Submittals Required: Submit the following documentation to the Owner for approval. B. Shop Drawings: Make all shop drawings accurate and to a scale sufficiently large to show all pertinent features of the work. C. Locations of windows, louvers, ducts, and other penetrations into Occupied Areas and/or Critical Clean Areas that need to be protected from airborne contamination. D. Work Plan: The Work Plan shall be prepared for this specific job in the form of checklists and shall include: 1. Work area set-up and protection procedures during occupied times. 2. Work area set-up and protection procedures during periods of limited occupancy (vacation and holidays).

1.07 WORKER PROTECTION:

- A. The Contractor shall review the SDS's for the substances that will be used, data provided by these specifications, proposed means and methods, manufacturers data and other available data to determine the potential for worker exposure. B. Conduct air monitoring of worker exposures as necessary to show that workers are not being exposed above the permissible exposure limits established by 29 CFR 1926 and 8 AAC 61.1100 (negative initial

- determination). Not all contaminants or substances will require exposure monitoring. All sampling by the contractor shall be at their own cost. C. In lieu of worker exposure monitoring, the Contractor may rely on objective data from recognized trade groups, manufacturer or previous exposure monitoring data that establish that worker exposure above the permissible exposure limits is not probable under conditions "closely resembling" the processes, types of materials, control methods, work practices and environmental conditions in the current job.

PART 2 - PRODUCTS Not Used

PART 3 - EXECUTION

3.01 WORK PRACTICES:

- A. General: All construction/demolition work shall be isolated, either by enclosures, and/or work practices and equipment to prevent worker exposures above the permissible exposure limit(s), and prevent the migration of contaminants (dust, fumes, smoke, etc.) into Occupied Areas and Critical Clean Areas of the facility. B. Direct exhaust from fume or smoke producing equipment away from building air intakes, windows, and other penetrations into Occupied and Critical Clean Areas. C. The Contractor shall provide "walk-off" mats, at all connections between Work Areas and Occupied Areas, vacuumed or changed daily when there is traffic between the Work Area and the Occupied Areas. D. Enclosures, where used, shall be dust tight and withstand air pressure. E. Prohibited Materials: The use or application of the following materials is prohibited: 1. All cleaners and aerosol products not submitted and approved by the Owner. 2. All flammable or chlorinated hydrocarbon solvents, unless approved by the Owner.

3.02 ENFORCEMENT:

- A. The Contractor shall periodically inspect Occupied Areas at the perimeter of the work area and Critical Clean Areas to verify that airborne contaminants have not spread into those areas. B. Failure to properly maintain airborne contaminant control in Work Areas, Occupied or Critical Clean Areas will result in issuance of a written warning. C. Failure of the Contractor to correct deficiencies in controlling airborne contaminants will result in corrective action taken by the Owner and deduction of all costs from the Contract.

3.03 WORK STOPPAGE:

- A. The Contractor shall stop work and notify the Owner whenever his work has caused visible dust, smoke, fumes, or objectionable odors in Occupied or Critical Clean Areas. B. When such work stoppage occurs, the area shall be restored to its original condition by the Contractor at no expense to the Owner. The Contractor is responsible for removing dust, fumes and debris that were generated as a result of his work.

3.04 WORK COMPLETION:

- A. Provide thorough cleaning of finished surfaces that become exposed to dust or other airborne contaminants. Cleaning of Pre-Existing contaminants is not required. B. Removal of construction barriers and airborne contaminant control equipment shall be performed in a manner to minimize disturbance of airborne contaminants into occupied spaces. HEPA vacuum and clean all finished surfaces free of dust after the removal of barriers and equipment.

END OF SECTION 01 35 45

SECTION 02 81 00 HAZARDOUS MATERIALS - SUMMARY OF REQUIREMENTS

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. The hazards abatement portion of this project includes the disturbance and/or removal and disposal of selected asbestos-containing materials, mercury-containing materials, chemicals, and lead-containing materials in the portions of the building being renovated. The Contractor shall remove or disturb hazardous materials as coordinated with other trades, as specified as required to complete the work. It is the Contractor's responsibility to take this baseline data to coordinate and fully develop a

- hazardous materials removal design that will identify the presence, locations, and quantities of asbestos and/or other hazardous materials that will be affected by this project. B. 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 assumed to be 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.

1.01 Related sections:

- 1. Section 01 35 45 Airborne Contaminant Control 2. Section 02 26 00 Hazardous Materials Assessment

1.02 ASBESTOS-CONTAINING MATERIALS

- A. Given the era of construction and the extensive renovations over the years, none of the samples in the areas affected by this project were determined to be asbestos-containing, refer to Section 02 26 00 Hazardous Materials Assessment for additional information on sampling and findings. Some of the materials which were not accessible for sampling, or not likely to be disturbed by the project are assumed to be ACM, include the following: 3. Flange gaskets on piping. 4. Boiler gaskets and sealants. 5. Concealed roofing remnants beneath newer roofing. 6. Concealed sealants at metal siding.

1.03 LEAD-CONTAINING MATERIALS

- A. The following lead-containing materials are assumed to be present and may be disturbed by this project. Refer to the lead testing data in Section 02 26 00 Hazardous Materials Assessment for additional information on lead XRF testing and findings. All painted surfaces are assumed to have lead-containing paint which is subject to compliance with OSHA regulations under 29 CFR 1926.62. The Contractor may conduct testing of painted or other materials to determine the lead content in order to determine if 29 CFR 1926.62 applies. At least 24 hour notice to the Owner shall be submitted prior to any lead testing. 1. Painted interior and exterior surfaces. 2. Painted windows, doors and frames. 3. Painted mechanical and electrical equipment. 4. Lead-containing dust in and on architectural, structural, mechanical, and electrical components. 5. Painted structural and miscellaneous steel. B. The following ceramic materials have relatively high concentrations of lead in the glazing. The concentrations of lead in ceramic glazing compounds should not be compared to lead-based paint criteria, as the glazing is inherently less likely to cause lead to be present in dusts or on surfaces, where it can be ingested. Lead in ceramic tile glazing may not pose a hazard to occupants, or workers performing renovation if lead-safe work practices are followed. 1. Ceramic Wall and Floor Tiles. 2. Ceramic Plumbing Fixtures.

1.04 CHEMICAL HAZARDS

- A. The following chemicals are known or assumed to be present and are likely to be disturbed by this project. 1. Mercury-containing fluorescent light tubes. 2. Mercury and mercury compounds in mercury switches in mechanical and electrical equipment and fluorescent light fixtures outside of the project areas. 4. Heating system components with glycol or other heat transfer fluids. 5. Radioactive components in smoke detectors and self-illuminating exit signs. 6. Ozone Depleting Substances (ODS) in refrigeration equipment. 7. Lead-acid batteries for exit and emergency lights, and other equipment.

1.05 SUBMITTALS

- A. Pre-Work Submittal: Submit the following work plan documentation to the Owner for review, approval, or rejection. Work shall not begin until submittals are approved. The hazardous materials work plan shall be signed by an EPA certified Project Designer. 1. Shop drawings. 2. Work area set-up and protection. 3. Work plan with procedures for all materials affected by the work. 4. Worker protection and decontamination procedures. 5. Alaska Department of Labor & Workforce Development Notification. 6. EPA NESHAP notification, if required. 7. Lead Training certifications and EPA lead notification plan, if required. 8. Schedule. 9. Copy of Project Designer certification. 10. Current qualifications of Independent testing laboratory and laboratory personnel, including AIHA Asbestos Analyst Registry certification if analysis will be conducted on-site. 11. Sampling plan, including number and locations of samples, tests, etc. B. Submittals during the work: Submit the following to the Owner for review within 24 hours after the end of the shift. 1. Initial Exposure Assessment(s).



ALASKA COURT SYSTEM KOTZEBUE COURTHOUSE CONSOLIDATION & SECURITY UPGRADES KOTZEBUE, ALASKA

CONSULTANT: EHS ALASKA INCORPORATED ENGINEERING, HEALTH & SAFETY CONSULTANTS 11901 Business Blvd., Suite 208, Eagle River, AK 99577-7701 PH: 907-694-1383 FAX: 907-694-1382 LICENSE# ABC0689 www.ehs-alaska.com

Table with 3 columns: REVISION, DESCRIPTION, DATE. Includes project info: PROJECT NO: 20-102, DATE: 2023-05-01, DRAWN BY: JHL, CHECKED BY: RAF.

HAZARDS ABATEMENT - SPECIFICATIONS

H001 BETTISWORTH NORTH ARCHITECTS & PLANNERS

CORPORATE NO. AEC219 BETTISWORTHNORTH.COM

100% CONSTRUCTION DOCUMENTS

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://102-ACS Kotzebue CH120-102 ACS KOTZ CH-A-Model.rvt

5/1/2023 12:16:41 PM

- 2. Daily Air or dust Monitoring, including: field data sheets, laboratory results and sketch of sample locations.
- 3. Project Daily Logs.
- 4. Clearance documentation for approval by the Owner, prior to releasing the work area to unprotected workers, including: Final Visual Inspection Report, Documentation of Aggressive test methods, sketch of sample locations, field data sheets, laboratory results, all signed by the person performing the work.
- C. Close-Out Submittal: Contractor to submit the following documents to the Owner at completion of project for review and approval:
 - 1. EPA and DOL notifications and revisions.
 - 2. Copies of worker and IH technician certifications.
 - 3. Copies of worker refresher course certifications.
 - 4. Waste manifests and disposal receipts.
 - 5. Final, signed copies of air monitoring results.
 - 6. Copies of any bulk sampling or lead testing results.
 - 7. Signed copies of all field data sheets.
 - 8. Signed copies of all visual inspection forms.
 - 9. Sketches of all sample locations.
 - 10. Daily logs with worker sign-in sheets.
 - 11. Drawings documenting the materials and locations of all materials removed by this project.

PART 2 - PRODUCTS

2.01 EQUIPMENT, MATERIALS, DECONTAMINATION UNITS, DANGER AND WARNING SIGNS, HEPA FILTRATION, PRESSURE DIFFERENTIAL MONITORING EQUIPMENT, CHEMICALS, ETC: The Contractor shall provide standard commercial quality materials and equipment as required to prepare and complete the work, and as required by regulation. Maintain Safety Data Sheets (SDSs) for all chemical materials brought onto the work-site.

PART 3 - EXECUTION

3.01 ESTIMATED SCOPE AND WORK PRACTICES

- A. The work shall be conducted inside of a regulated area with critical barriers with exhaust ventilation for fume and dust control. The HEPA Filtration Unit(s) shall exhaust to the out-of-doors. A minimum of 2 stage decontamination area with wash facilities shall be utilized for this Class 2 asbestos abatement or lead disturbance work.
- B. The Contractor shall notify the Alaska Department of Labor. Notification to the EPA is required, unless the Contractor certifies in writing that no mechanical means will be used during removal, and that the materials will not become friable during the course of the work.
- C. The Contractor shall identify the presence, locations and quantities of asbestos and other hazardous materials that will be affected by this project and conduct all removal and disposal operations in full compliance with Local, State, Federal and all other applicable regulations whether or not they are referenced herein.
- D. All paints in the building are assumed to have detectable concentrations of lead, and therefore, the work is subject to the requirements of 29 CFR 1926.62. It is the contractor's responsibility to review the "trigger tasks" and other requirements of 29 CFR 1926.62 to determine which portions apply, if any, to each unique work task required by this project. Similarly, all lead-containing wastes shall be TCLP tested to determine disposal requirements. Alternatively, the contractor may elect to have their designated IH Technician collect bulk samples of each affected paint to determine if "detectable levels of lead" are present in the paints. Any results which indicate more than zero detectable lead (which requires special analysis) shall be considered as having "detectable levels of lead" and therefore subject to both the monitoring and testing requirements of this specification.
- E. Portions of the heating/cooling system will be removed by this project, and any heat transfer fluids removed from the system for disposal shall be TCLP tested for RCRA 8 metals to determine disposal requirements. If being reused, no treatment, including filtering is allowed to happen onsite unless TCLP testing shows the fluids to be non-hazardous waste. Fluids being recycled in accordance with RCRA regulations are exempt from these testing requirements.
- F. The Contractor shall document the location and quantities of hazardous materials removed, including sketches showing precise locations.

3.02 MONITORING

- A. All sampling by the Contractor shall be at their own cost.
- B. All monitoring shall be performed by fully trained industrial hygiene technicians. Asbestos air samples shall be analyzed by a laboratory currently rated as proficient in the National Institute of Occupational Safety and Health (NIOSH) Proficiency in Analytical Testing (PAT) program or by microscopists listed in the American Industrial Hygiene Association (AIHA) Asbestos Analyst Registry (AAR). AAR Certification is required if analysis is done on-site. Lead air and dust wipe samples shall be analyzed by a laboratory currently rated as proficient as determined by ELPAT or ELLAP performance for NIOSH Method 7082 and/or NIOSH Method 7105 analytical method for the determination of lead in air and lead in paint chip, soil, and dust wipe samples.
- C. The Contractor shall conduct asbestos worker exposure monitoring in accordance with 29 CFR 1926.1101. Personnel sampling shall include a minimum of at least three samples per 8 hour shift per employee being monitored. Employees shall be monitored at the rate of at least one employee for every six people performing each task in each work areas. Persons performing separate tasks or in separate work areas shall be sampled separately. The Contractor shall take a minimum of 3 air samples per day inside the work area, and 3 air samples in adjacent areas, plus at least 1 sample outside of the entrance to the work area. Take 2 waste load-out samples for the full duration of the operation, one taken inside the wash-down station, and one taken on the clean side of the wash-down station, in addition to the daily work area and environmental samples, (no samples are necessary if no load-out operation is performed). The Contractor shall take one air sample at the exhaust of the HEPA Filtration Unit(s), rotating between units so that each unit is monitored every 3 days.
- D. For interior work, the Contractor shall conduct lead dust wipe sampling for each lead work area without a negative initial determination. Include at least

one dust sample immediately outside the entrance to the work area daily. For all work affecting paints or other lead-containing materials, the Contractor shall take personnel air samples in accordance with 29 CFR 1926.62. Personnel sampling shall include a minimum of at least two samples per 8 hour shift per employee being monitored. Employees shall be monitored at the rate of at least one employee for every six people performing each task in each work area. Persons performing separate tasks or in separate lead work areas shall be sampled separately. Take a minimum of two lead-in-air samples inside the work area, and two lead-in-air samples in adjacent areas.

- E. Daily personnel monitoring may be discontinued only after the Contractor's Independent Testing Laboratory certifies in writing that a Negative Exposure Assessment or Negative Initial Determination has been obtained and the Owner has reviewed and approved the negative exposure assessment data. Daily work area and environmental air and wipe sampling may not be discontinued following a Negative Exposure Assessment or Negative Initial Determination.
- F. Post-abatement visual inspections are required anytime asbestos is removed, regardless, if the removal work occurred indoors or outdoors. Asbestos work area clearance air monitoring is required for all interior work and shall be conducted by the Contractor's Independent Testing Laboratory subcontractor. The Independent Testing Laboratory may not be hired by the Abatement Subcontractor to perform visual inspections and clearance air monitoring. Owner approval is required before a work area is released to unprotected workers. The Contractor is responsible for all costs associated with clearance and scheduling of visual inspection and clearance air monitoring. The maximum acceptable level of airborne asbestos fibers for work area clearance is as published in 40 CFR 763 for PCM analysis. A minimum of five aggressive clearance samples are required for each work area, regardless of the type of analysis. PCM analysis shall be used unless Transmission Electron Microscopy (TEM) analysis is required by 40 CFR 763 due to quantities of materials removed. The Contractor has the option, at its expense and at no cost to the Owner, of re-cleaning the work area and repeating the clearance air monitoring procedures or of having failed phase contrast microscopy (PCM) sample media sent to his/her NVLAP accredited laboratory for TEM analysis by NIOSH Method 7402.
- G. For small-scale, short-duration work, such as gasket removal, sealant removal or similar work, that work may be requested to be "cleared" on the basis of a minimum of 5 air samples taken inside the work area during the work, immediately adjacent to where removal is taking place, and where each of those air samples have fiber counts of less than 0.01 f/cc. These alternative "clearance" sampling protocols will only be allowed if fully outlined in the contractor's work plan, with specific pre-approval by the Owner. Visual inspections are required for all removal work, including small-scale, short-duration work.
- H. Lead work area clearance testing by the Contractor is required for each lead control area where the lead action level has been exceeded. Clearance testing shall be performed only after a visual inspection report by the IH Technician has documented that the work area is clean and that all lead disturbance required by the contract has been completed. Clearance testing shall include the following:
 - 1. A visual inspection report by the Contractor's IH Technician verifying that all lead disturbance required by the contract has been completed and that all visible dust and debris subject to disturbance by the planned work under this contract have been removed and the area HEPA vacuumed, wet mopped or wet wiped.
 - 2. Three (3) lead wipe and/or lead soil sample results are required from within each lead control area per the Contractor's approved work plan and in accordance with NIOSH method 9100. Clearance levels shall be 200 µg/ft² for wipes or 800 ppm in soil.

3.03 DISPOSAL

- A. The Contractor shall determine current waste handling, storage, transportation, and disposal requirements for the chosen waste disposal facilities. Contractor must comply fully with these requirements and all U.S. Department of Transportation and EPA regulations.
- B. Asbestos wastes shall be disposed of in an EPA and DEC permitted asbestos landfill.
- C. Lead-containing wastes shall be TCLP tested by the Contractor to determine if they are classified as hazardous waste. TCLP's shall be analyzed by a lab with demonstrated proficiency in performing analyses according to Method 1311 TCLP, corresponding to the current version of Test Methods for Evaluating Solid Wastes (Chemical Physical Methods), SW-846. Evidence may include successful participation in a recognized inter-laboratory quality control program such as a laboratory certified by the California Health and Welfare Agency, Department of Health Services, or a more informal inter-laboratory quality control program.
- D. Chemical hazard wastes shall be disposed of in an EPA permitted hazardous waste disposal site as required by 40 CFR 260, 40 CFR 761 and 40 CFR 763, the Contractor's approved plan, and the disposal site operator. Comply with current waste disposal, handling, labeling, storage, and transportation requirements of the waste disposal facility, U.S. Department of Transportation, and EPA regulations. Fluorescent, mercury vapor, metal halide and high pressure sodium lamps are classified by the EPA as hazardous mercury waste under the Universal Waste Rule under 40 CFR 273. Mercury and mercury-containing products are considered hazardous waste unless TCLP testing of the waste for mercury confirms the mercury content to be less than the EPA criteria of 0.2 mg/L. If the Contractor chooses to perform a TCLP test of fluorescent lamps, the test shall be conducted in accordance with the requirements of ANSI/NEMA Standard Procedure for Fluorescent Lamp Sample Preparation and Toxicity Characteristic Leaching Procedure, C78.LL 1256-2003 or latest version.

END OF SECTION 02 81 00



**ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA**

100% CONSTRUCTION DOCUMENTS

CONSULTANT:

EHS ALASKA
INCORPORATED
ENGINEERING, HEALTH &
SAFETY CONSULTANTS
11901 Business Blvd, Suite 208,
Eagle River, AK 99577-7701
PH: 907-694-1383 FAX: 907-694-1382
LICEN# ABCC089 www.ehs-alaska.com

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: JHL
CHECKED BY: RAF

REVISION	DESCRIPTION	DATE

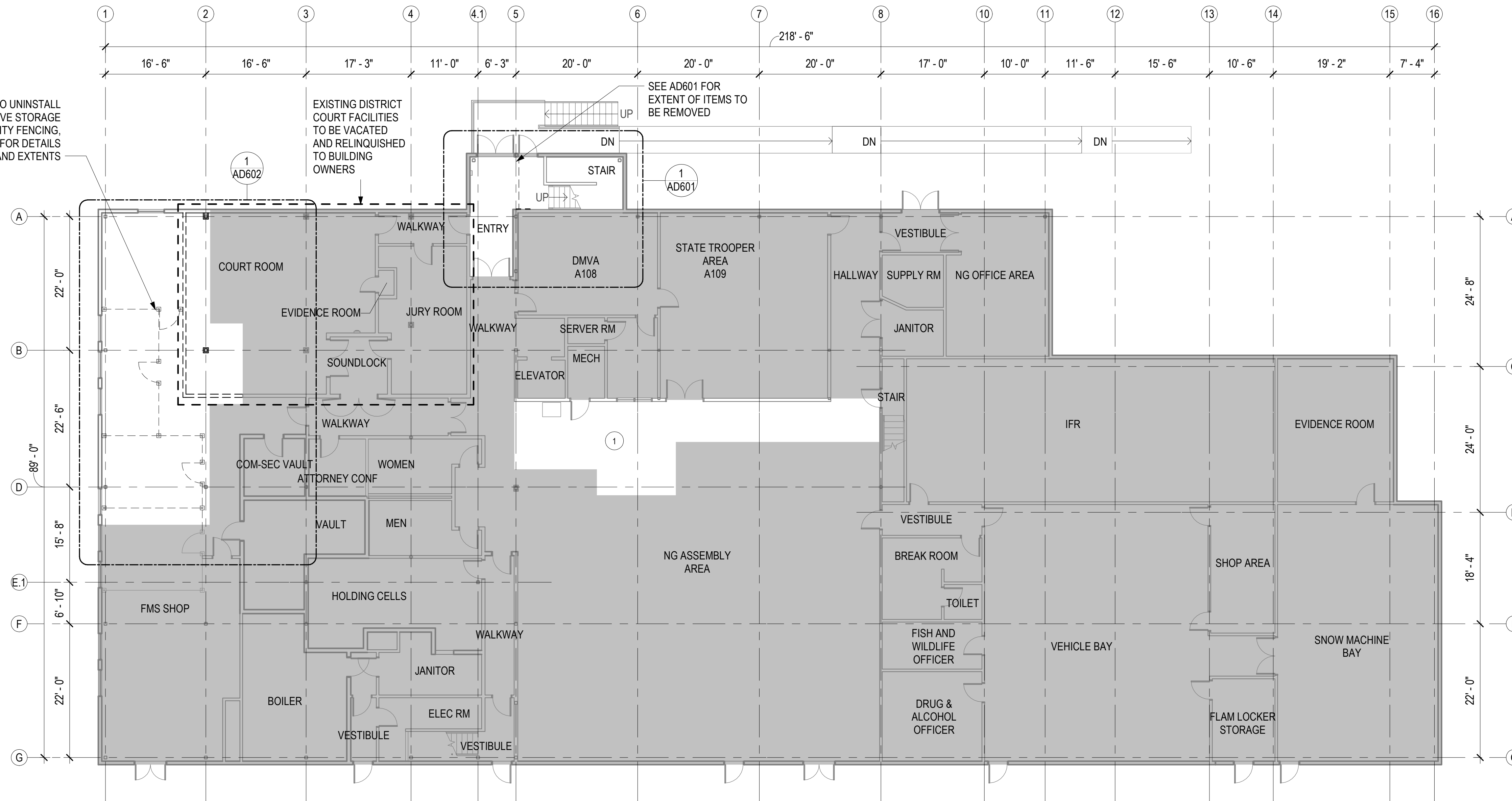
HAZARDS ABATEMENT - SPECIFICATIONS

H002

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

5/2/2023 9:42:43 AM



1 FIRST FLOOR PLAN - DEMO
AD101 3/32" = 1'-0"

GENERAL DEMOLITION PLAN NOTES

FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.

DIMENSIONING GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL/WOOD STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE UNO.

REFERENCE ELEVATION: ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION 0'-0" FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.

EXISTING ELEMENTS: PROTECT AND PRESERVE EXISTING ELEMENTS NOT IN SCOPE AND/OR ELEMENTS TO REMAIN.

DEMOLISH EXTENTS: DEMOLISH PORTIONS OF WALL FINISHES, AND FRAMING AS REQUIRED WHERE, BUT NOT LIMITED TO, EQUIPMENT AND/OR FIXTURES ARE IDENTIFIED TO BE DEMOLISHED. PREP FOR NEW FRAMING INFILL AND FINISH.

DEVICES: PROTECT AND PRESERVE EXISTING DEVICES UNLESS NOTED FOR DEMOLITION. REINSTALL IN SAME LOCATION UNLESS NOTED OTHERWISE. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR FURTHER INFORMATION.

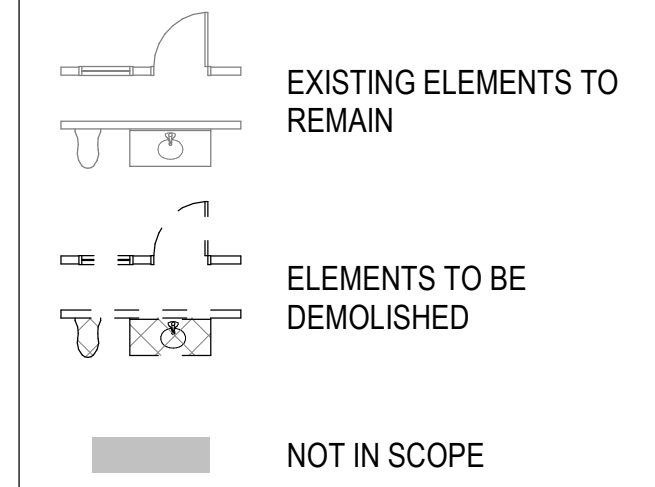
SPRINKLER HEADS: PROTECT AND PRESERVE EXISTING SPRINKLER HEADS. REMOVE AND REINSTALL AS REQUIRED.

FURNITURE: UNINSTALL, STORE, AND PROTECT EXISTING FURNITURE FOR THE DURATION OF WORK. PATCH AND REPAIR AREAS OF UNINSTALL AS NECESSARY.

EQUIPMENT: SALVAGE, STORE, AND PROTECT EXISTING EQUIPMENT TO REMAIN OR BE REINSTALLED AS DIRECTED BY OWNER.

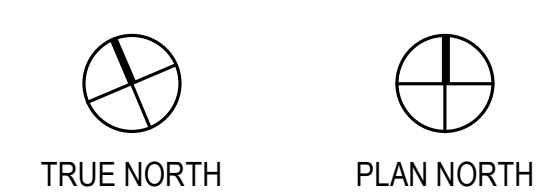
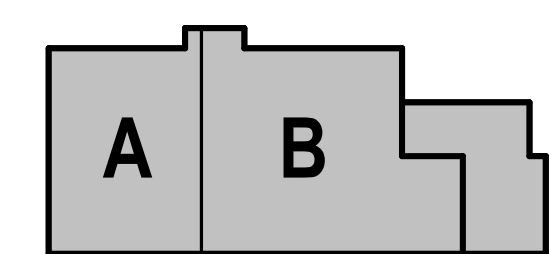
RENOVATION NOTES: REFER TO A100 SERIES SHEET FOR CORRESPONDING RENOVATION PLANS.

DEMOLITION PLAN LEGEND



KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
1	IN THIS AREA, SELECTIVE DEMOLITION AS REQUIRED TO ACCOMMODATE THE ERECTION OF NEW MEZZANINE AND STAIR



**ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA**

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

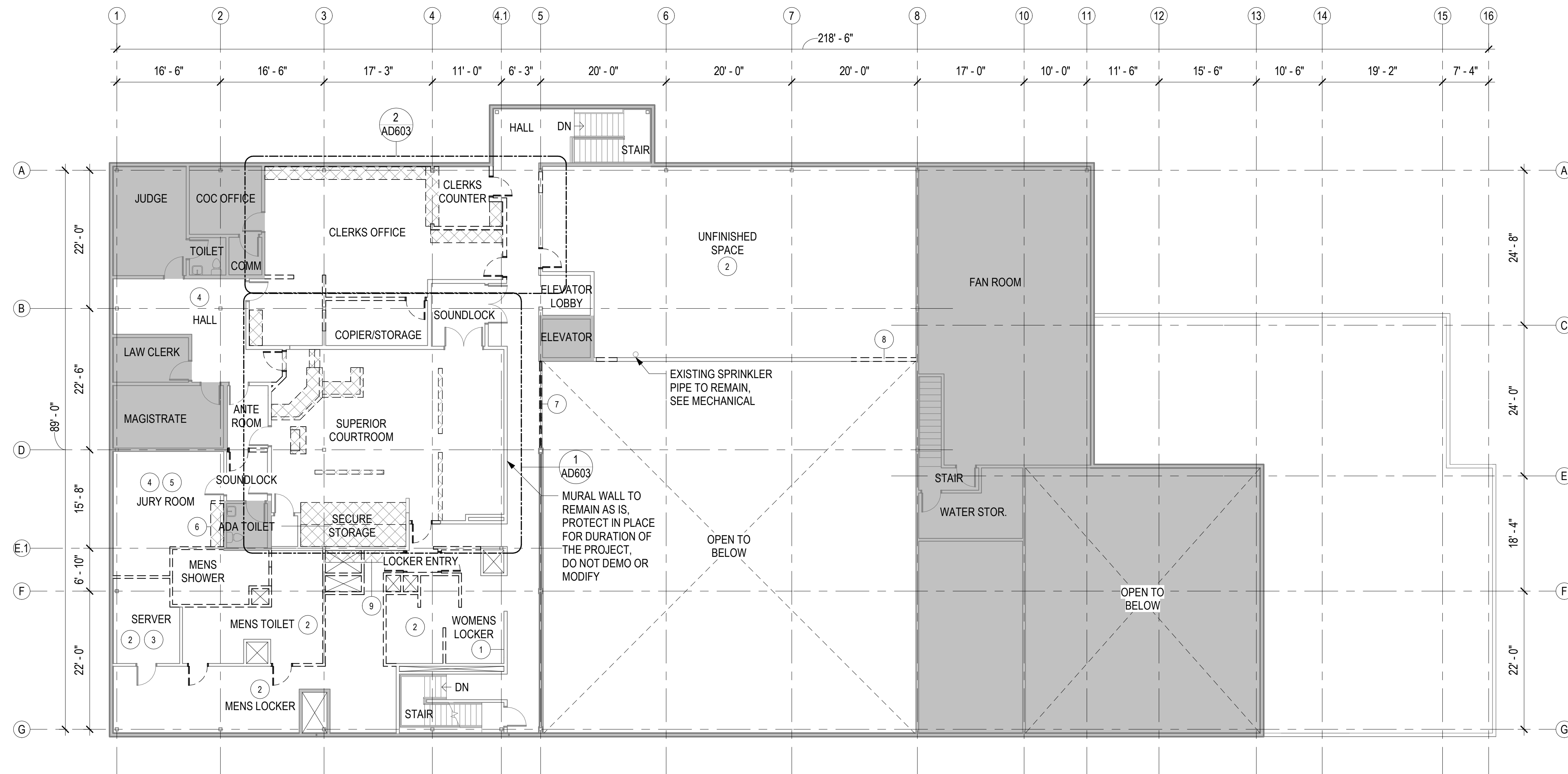
FIRST FLOOR PLAN - DEMO

AD101

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

5/2/2023 9:42:44 AM



1 SECOND FLOOR PLAN - DEMO
AD102 3/32" = 1'-0"

KEYNOTE LEGEND		GENERAL DEMOLITION PLAN NOTES
KEY VALUE	KEYNOTE TEXT	
1	DEMO FACE OF WALL AS NEEDED TO INSTALL MRGYP/CBU	FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.
2	OWNER TO REMOVE ALL STORED ITEMS	
3	COORDINATE SALVAGE OR DEMO OF ELECTRICAL WITH ELECTRICAL	DIMENSIONING GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL/WOOD STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE UNO.
4	DEMO EXISTING CARPET AND WALL BASE	
5	OWNER TO REMOVE ALL FURNISHINGS INCLUDING MOVEABLE CHAIRS AND TABLES	REFERENCE ELEVATION: ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION 0'-0" FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.
6	DEMO COUNTERTOP AND CASEWORK	
7	DEMO FULL EXTENT OF RAILING AND CURB	EXISTING ELEMENTS: PROTECT AND PRESERVE EXISTING ELEMENTS NOT IN SCOPE AND/OR ELEMENTS TO REMAIN.
8	DEMO PORTION OF WALL AND EXISTING RETURN AIR GRILLE, SEE MECHANICAL	
9	12'-10" x 1'-11" DEMO OPENING IN EXISTING FLOOR (4" CONCRETE ON STEEL DECK) FOR NEW MECHANICAL WORK, SEE MECHANICAL AND STRUCTURAL	DEMOLISH EXTENTS: DEMOLISH PORTIONS OF WALL FINISHES, AND FRAMING AS REQUIRED WHERE, BUT NOT LIMITED TO, EQUIPMENT AND/OR FIXTURES ARE IDENTIFIED TO BE DEMOLISHED. PREP FOR NEW FRAMING INFILL AND FINISH.

GENERAL DEMOLITION PLAN NOTES

FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.

DIMENSIONING GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL/WOOD STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE UNO.

REFERENCE ELEVATION: ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION 0'-0" FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.

EXISTING ELEMENTS: PROTECT AND PRESERVE EXISTING ELEMENTS NOT IN SCOPE AND/OR ELEMENTS TO REMAIN.

DEMOLISH EXTENTS: DEMOLISH PORTIONS OF WALL FINISHES, AND FRAMING AS REQUIRED WHERE, BUT NOT LIMITED TO, EQUIPMENT AND/OR FIXTURES ARE IDENTIFIED TO BE DEMOLISHED. PREP FOR NEW FRAMING INFILL AND FINISH.

DEVICES: PROTECT AND PRESERVE EXISTING DEVICES UNLESS NOTED FOR DEMOLITION. REINSTALL IN SAME LOCATION UNLESS NOTED OTHERWISE. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR FURTHER INFORMATION.

SPRINKLER HEADS: PROTECT AND PRESERVE EXISTING SPRINKLER HEADS. REMOVE AND REINSTALL AS REQUIRED.

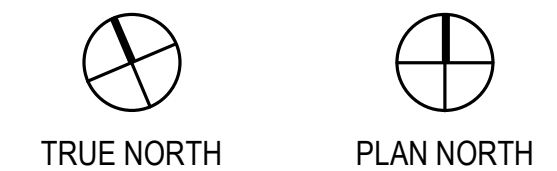
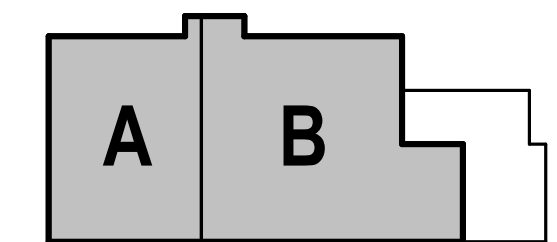
FURNITURE: UNINSTALL, STORE, AND PROTECT EXISTING FURNITURE FOR THE DURATION OF WORK. PATCH AND REPAIR AREAS OF UNINSTALL AS NECESSARY.

EQUIPMENT: SALVAGE, STORE, AND PROTECT EXISTING EQUIPMENT TO REMAIN OR BE REINSTALLED AS DIRECTED BY OWNER.

RENOVATION NOTES: REFER TO A100 SERIES SHEET FOR CORRESPONDING RENOVATION PLANS.

DEMOLITION PLAN LEGEND

	EXISTING ELEMENTS TO REMAIN
	ELEMENTS TO BE DEMOLISHED
	NOT IN SCOPE



BETTISWORTH NORTH



**ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA**

100% CONSTRUCTION DOCUMENTS

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

SECOND FLOOR PLAN - DEMO

AD102

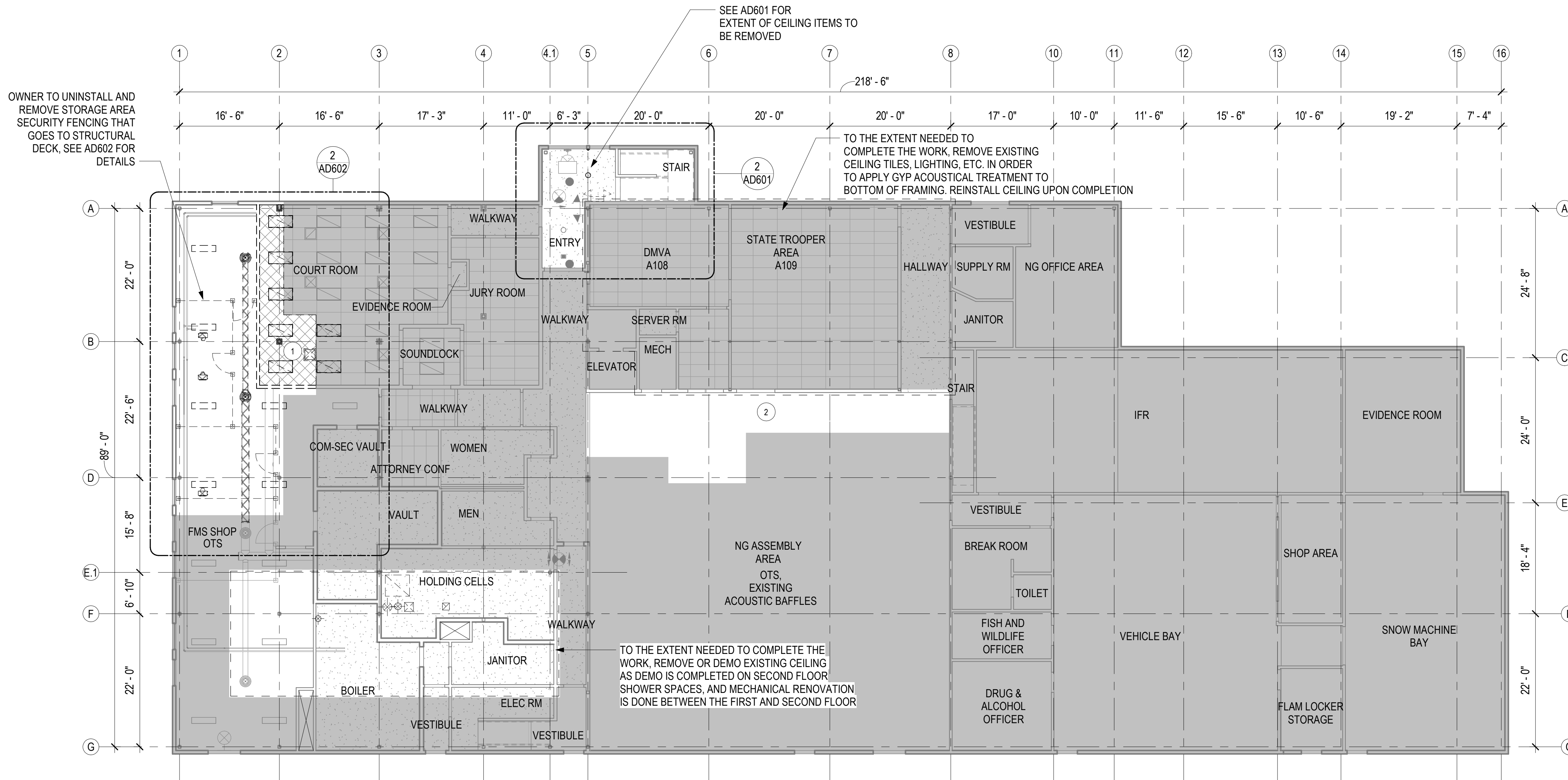
BETTISWORTH NORTH ARCHITECTS & PLANNERS

CORPORATE NO. AEC219 BETTISWORTH.COM

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102_ACS_Kotzebue_CH/20-102_ACS_KOTZ CH-A-Model.rvt

5/2/2023 9:42:46 AM



1 FIRST FLOOR REFLECTED CEILING PLAN - DEMO
AD201 3/32" = 1'-0"

GENERAL DEMOLITION RCP NOTES

FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.

DIMENSIONING GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL/WOOD STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE UNO.

REFERENCE ELEVATION: ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION 0'-0" FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.

EXISTING ELEMENTS: PROTECT AND PRESERVE EXISTING ELEMENTS NOT IN SCOPE AND/OR ELEMENTS TO REMAIN.

DEMOLISH EXTENTS: DEMOLISH PORTIONS OF WALL FINISHES, AND FRAMING AS REQUIRED WHERE, BUT NOT LIMITED TO, EQUIPMENT AND/OR FIXTURES ARE IDENTIFIED TO BE DEMOLISHED. PREP FOR NEW FRAMING INFILL AND FINISH.

DEVICES: PROTECT AND PRESERVE EXISTING DEVICES UNLESS NOTED FOR DEMOLITION. REINSTALL IN SAME LOCATION UNLESS NOTED OTHERWISE. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR FURTHER INFORMATION.

SPRINKLER HEADS: PROTECT AND PRESERVE EXISTING SPRINKLER HEADS. REMOVE AND REINSTALL AS REQUIRED.

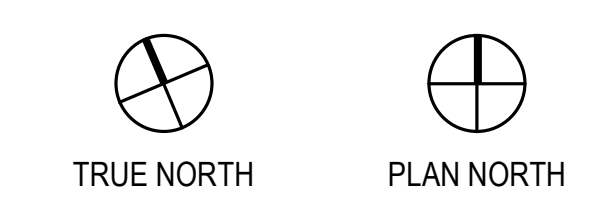
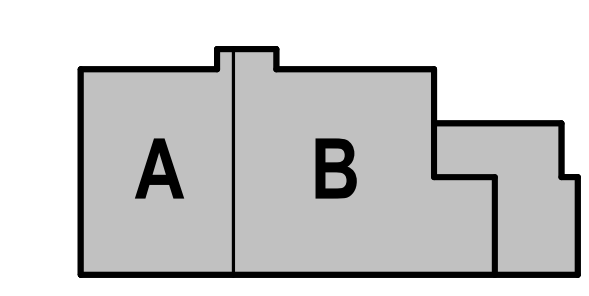
RENOVATION NOTES: REFER TO A200 SERIES SHEET FOR CORRESPONDING RENOVATION REFLECTED CEILING PLANS.

DEMOLITION RCP LEGEND

- EXISTING ELEMENTS TO REMAIN
- ELEMENTS TO BE DEMOLISHED
- EXISTING ACT CEILING TO REMAIN
- EXISTING GYP CEILING TO REMAIN
- CEILING TO BE DEMOLISHED
- OTS OPEN TO STRUCTURE
- NOT IN SCOPE

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
1	DEMO SUSPENDED ACOUSTICAL CEILING TO EXTENT REQUIRED FOR NEW WORK
2	IN THIS AREA, SELECTIVE DEMOLITION AS REQUIRED TO ACCOMMODATE THE ERECTION OF NEW MEZZANINE AND STAIR, SEE ELECTRICAL FOR LIGHTING DEMO



CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

FIRST FLOOR REFLECTED CEILING PLAN - DEMO

AD201

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

5/2/2023 9:42:48 AM



1 SECOND FLOOR REFLECTED CEILING PLAN - DEMO
 AD202 3/32" = 1'-0"

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
1	OWNER TO REMOVE ALL ACOUSTIC BAFFLES AND TEMPORARY EQUIPMENT HUNG FROM CEILING
2	DEMO ACOUSTIC CEILING TILES, PRESERVE SUSPENDED GRID AND PREP FOR NEW MECHANICAL AND ELECTRICAL WORK
3	DEMO SUSPENDED ACOUSTICAL CEILING TO EXTENT REQUIRED FOR NEW WORK
4	DEMO GYP SOFFIT AND SOFFIT WALL

GENERAL DEMOLITION RCP NOTES

FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.

DIMENSIONING GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL/WOOD STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE UNO.

REFERENCE ELEVATION: ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION 0'-0" FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.

EXISTING ELEMENTS: PROTECT AND PRESERVE EXISTING ELEMENTS NOT IN SCOPE AND/OR ELEMENTS TO REMAIN.

DEMOLISH EXTENTS: DEMOLISH PORTIONS OF WALL FINISHES, AND FRAMING AS REQUIRED WHERE, BUT NOT LIMITED TO, EQUIPMENT AND/OR FIXTURES ARE IDENTIFIED TO BE DEMOLISHED. PREP FOR NEW FRAMING INFILL AND FINISH.

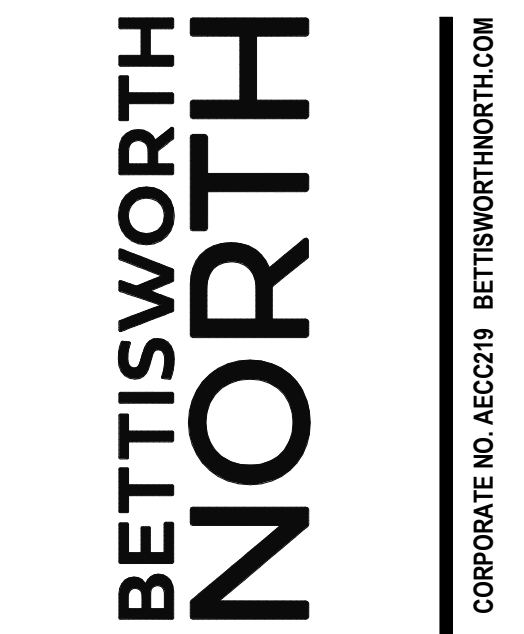
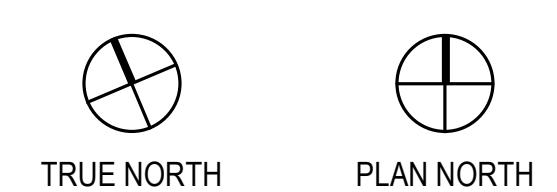
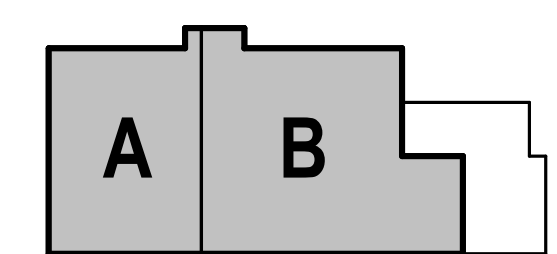
DEVICES: PROTECT AND PRESERVE EXISTING DEVICES UNLESS NOTED FOR DEMOLITION. REINSTALL IN SAME LOCATION UNLESS NOTED OTHERWISE. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR FURTHER INFORMATION.

SPRINKLER HEADS: PROTECT AND PRESERVE EXISTING SPRINKLER HEADS. REMOVE AND REINSTALL AS REQUIRED.

RENOVATION NOTES: REFER TO A200 SERIES SHEET FOR CORRESPONDING RENOVATION REFLECTED CEILING PLANS.

DEMOLITION RCP LEGEND

	EXISTING ELEMENTS TO REMAIN
	ELEMENTS TO BE DEMOLISHED
	EXISTING ACT CEILING TO REMAIN
	EXISTING GYP CEILING TO REMAIN
	CEILING TO BE DEMOLISHED
OTS	OPEN TO STRUCTURE
	NOT IN SCOPE



ALASKA COURT SYSTEM
**KOTZEBUE COURTHOUSE CONSOLIDATION
 & SECURITY UPGRADES**
 KOTZEBUE, ALASKA

CONSULTANT:

PROJECT NO:	20-102	
DATE:	2023-05-01	
DRAWN BY:	GB	
CHECKED BY:	DN	
REVISION	DESCRIPTION	DATE

SECOND FLOOR REFLECTED
 CEILING PLAN - DEMO

AD202

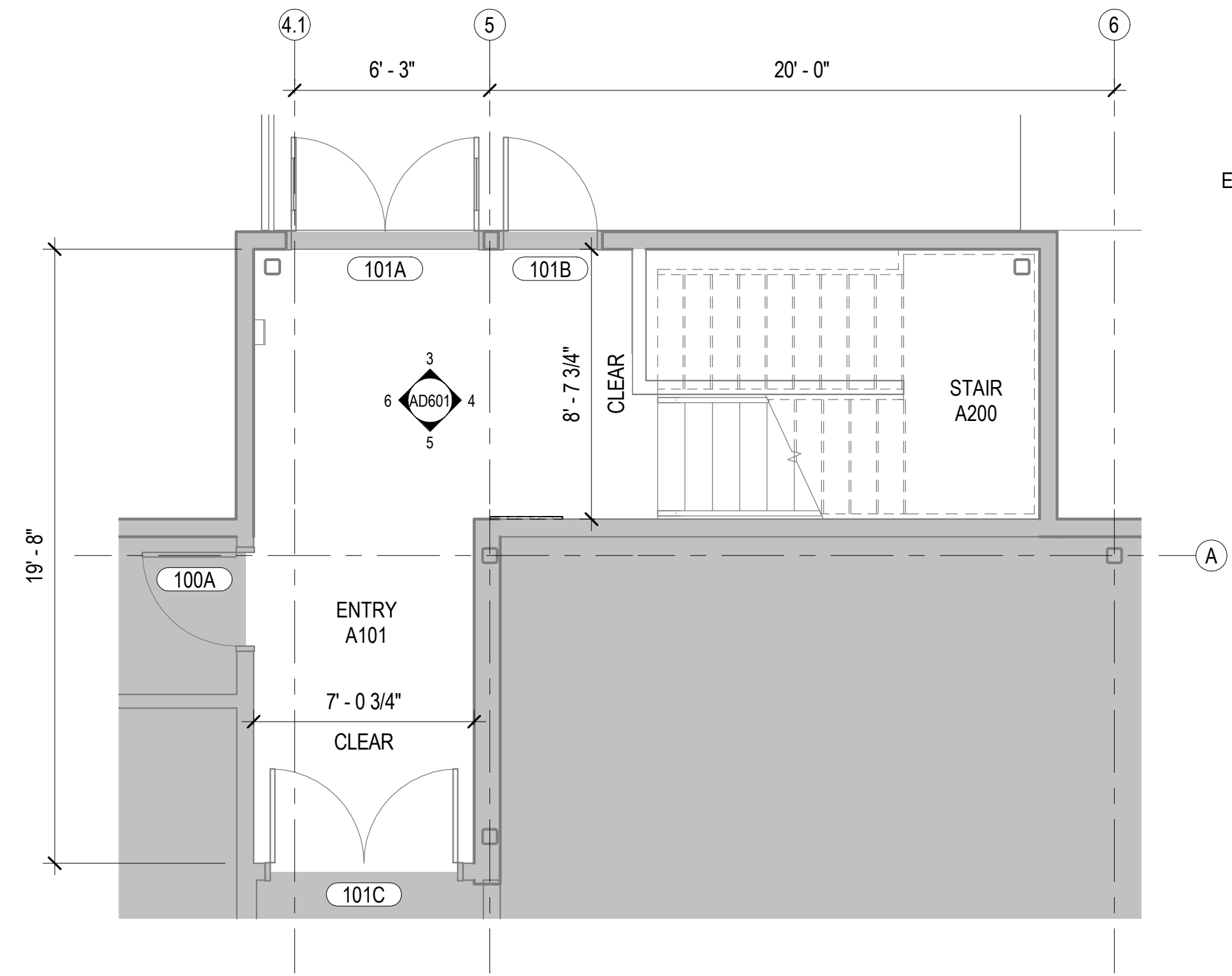
CORPORATE NO. AECC219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

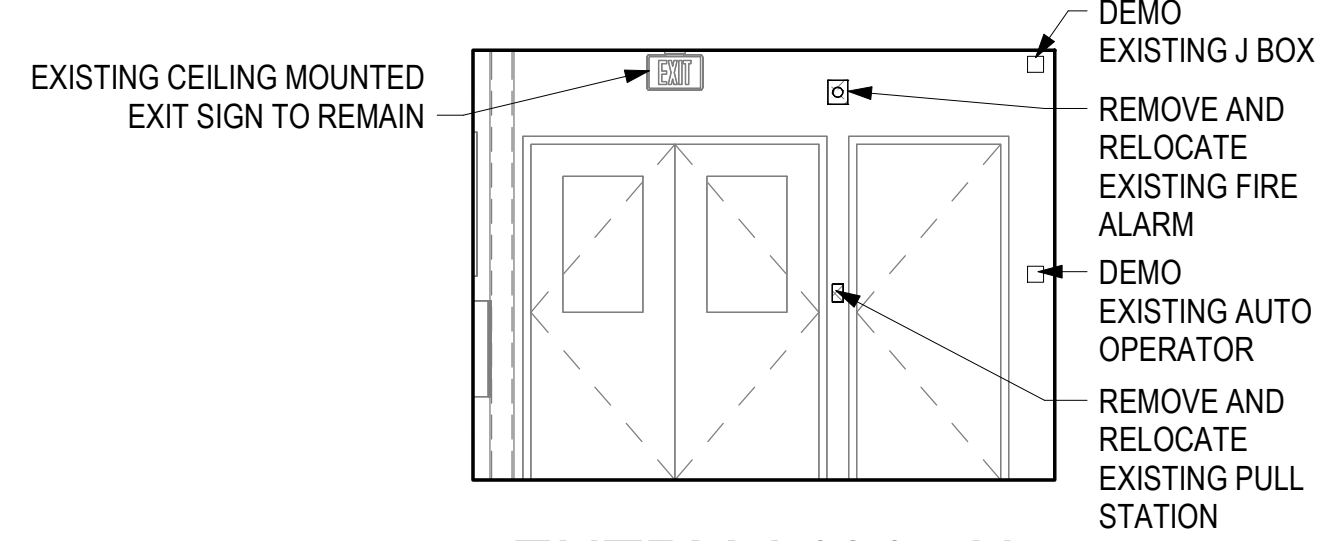
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102_ACS_Kotzebue_CH/20-102_ACS_KOTZ CH-A-Model.rvt

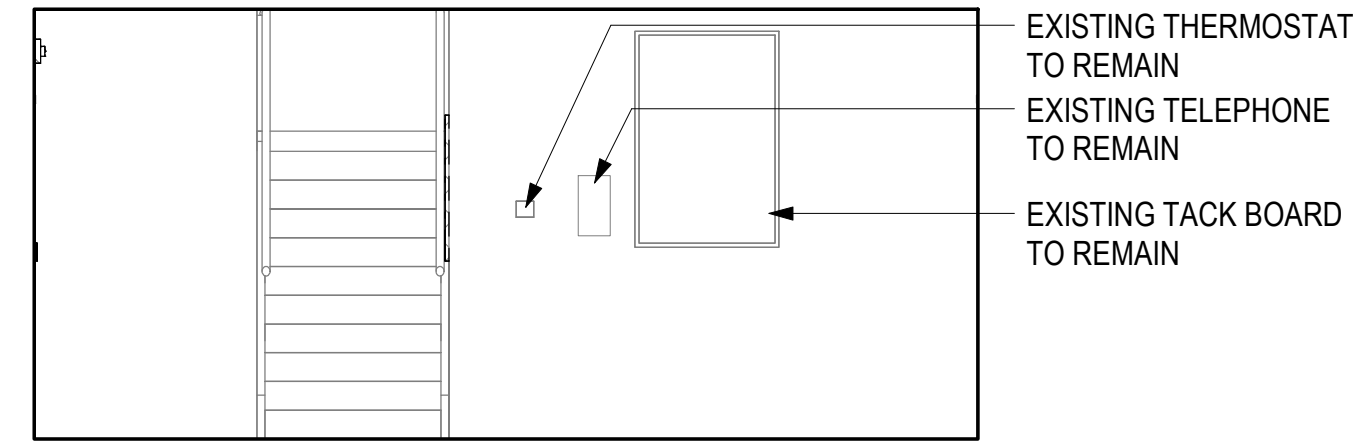
5/2/2023 9:42:49 AM



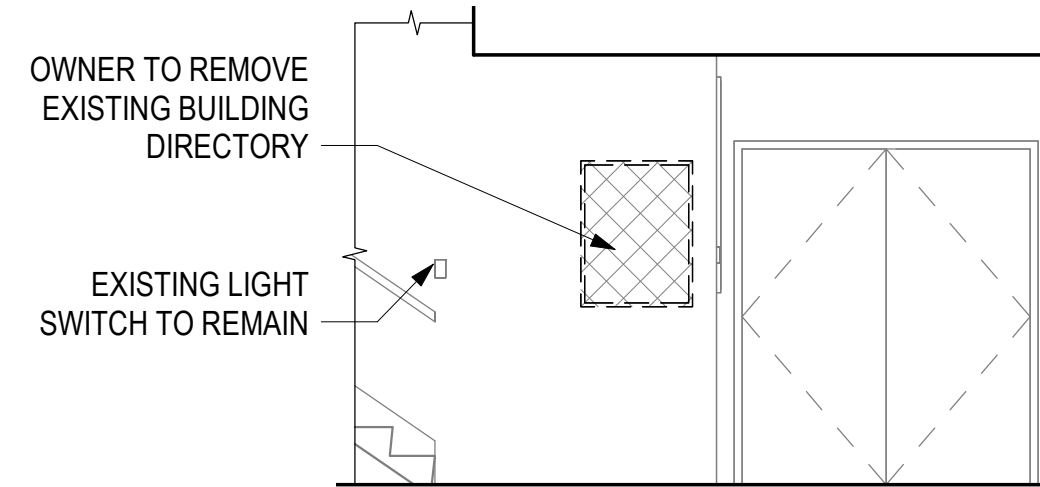
1 A101 ENTRY - ENLARGED DEMO PLAN
AD601 1/4" = 1'-0"



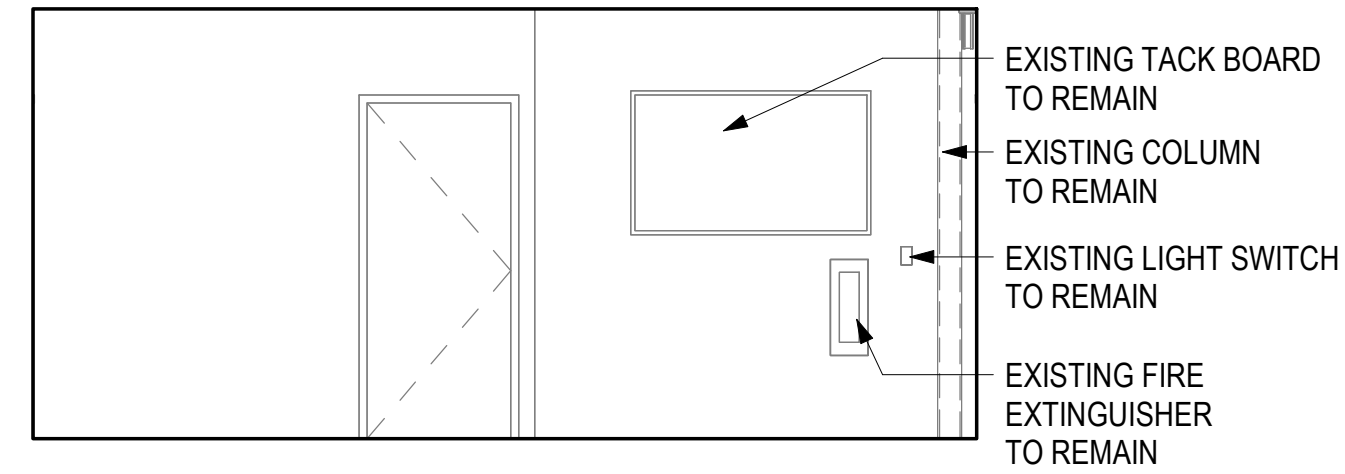
3 ENTRY A101 - N
AD601 1/4" = 1'-0"



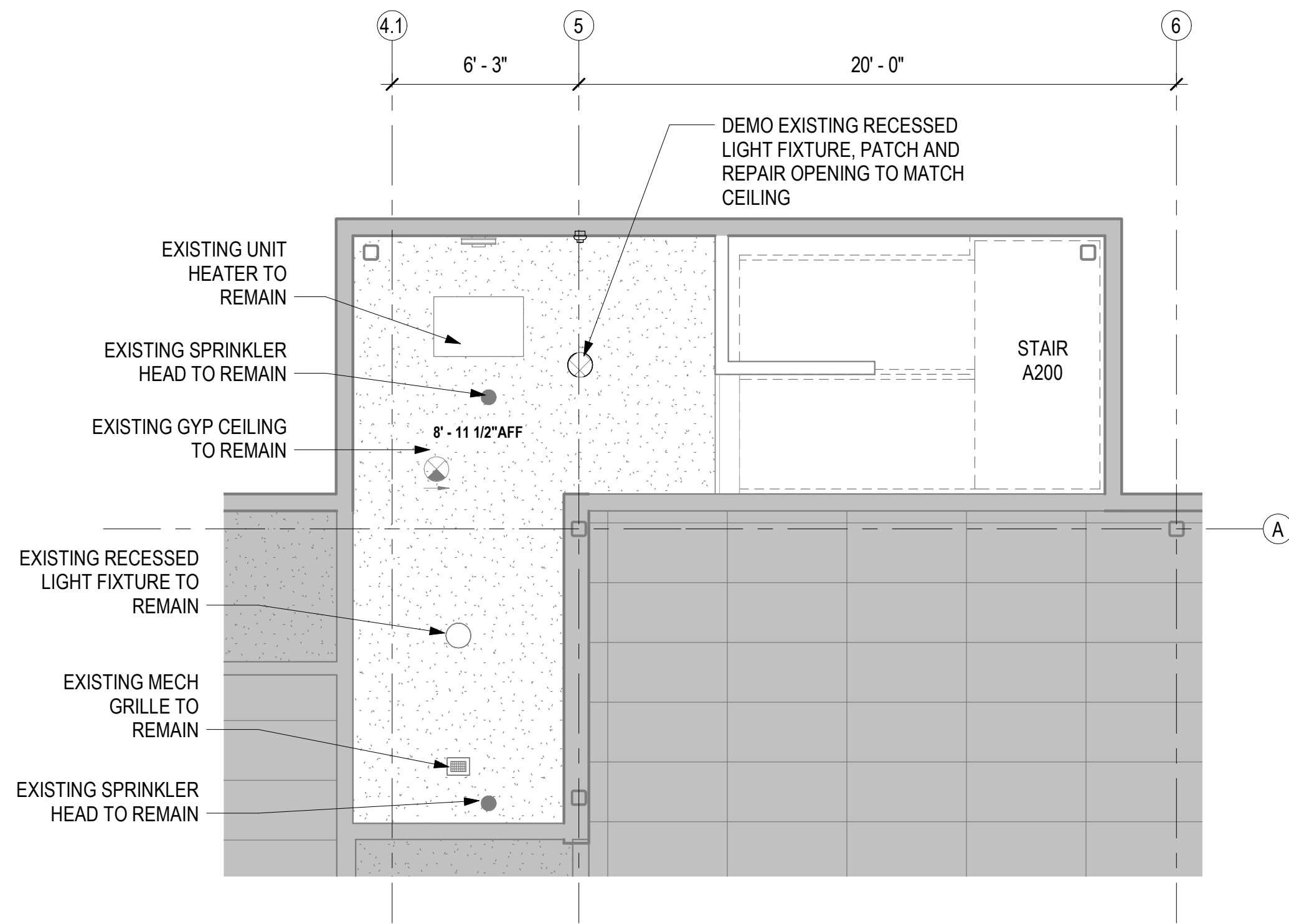
4 ENTRY A101 - E
AD601 1/4" = 1'-0"



5 ENTRY A101 - S
AD601 1/4" = 1'-0"



6 ENTRY A101 - W
AD601 1/4" = 1'-0"



2 A101 ENTRY - ENLARGED DEMO RCP
AD601 1/4" = 1'-0"

GENERAL DEMOLITION PLAN NOTES

FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.

DIMENSIONING GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL/WOOD STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE UNO.

REFERENCE ELEVATION: ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION 0'-0" FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.

EXISTING ELEMENTS: PROTECT AND PRESERVE EXISTING ELEMENTS NOT IN SCOPE AND/OR ELEMENTS TO REMAIN.

DEMOLISH EXTENTS: DEMOLISH PORTIONS OF WALL FINISHES, AND FRAMING AS REQUIRED WHERE, BUT NOT LIMITED TO, EQUIPMENT AND/OR FIXTURES ARE IDENTIFIED TO BE DEMOLISHED. PREP FOR NEW FRAMING INFILL AND FINISH.

DEVICES: PROTECT AND PRESERVE EXISTING DEVICES UNLESS NOTED FOR DEMOLITION. REINSTALL IN SAME LOCATION UNLESS NOTED OTHERWISE. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR FURTHER INFORMATION.

SPRINKLER HEADS: PROTECT AND PRESERVE EXISTING SPRINKLER HEADS. REMOVE AND REINSTALL AS REQUIRED.

FURNITURE: UNINSTALL, STORE, AND PROTECT EXISTING FURNITURE FOR THE DURATION OF WORK. PATCH AND REPAIR AREAS OF UNINSTALL AS NECESSARY.

EQUIPMENT: SALVAGE, STORE, AND PROTECT EXISTING EQUIPMENT TO REMAIN OR BE REINSTALLED AS DIRECTED BY OWNER.

RENOVATION NOTES: REFER TO A100 SERIES AND A200 SERIES SHEET FOR CORRESPONDING RENOVATION PLANS AND REFLECTED CEILING PLANS.

DEMOLITION ENLARGED PLAN LEGEND

- EXISTING ELEMENTS TO REMAIN
- ELEMENTS TO BE DEMOLISHED
- EXISTING ACT CEILING TO REMAIN
- EXISTING GYP CEILING TO REMAIN
- CEILING TO BE DEMOLISHED
- OPEN TO STRUCTURE
- NOT IN SCOPE



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

FIRST FLOOR - ENLARGED DEMO PLAN, RCP & ELEVATIONS

AD601

BETTISWORTH NORTH ARCHITECTS & PLANNERS

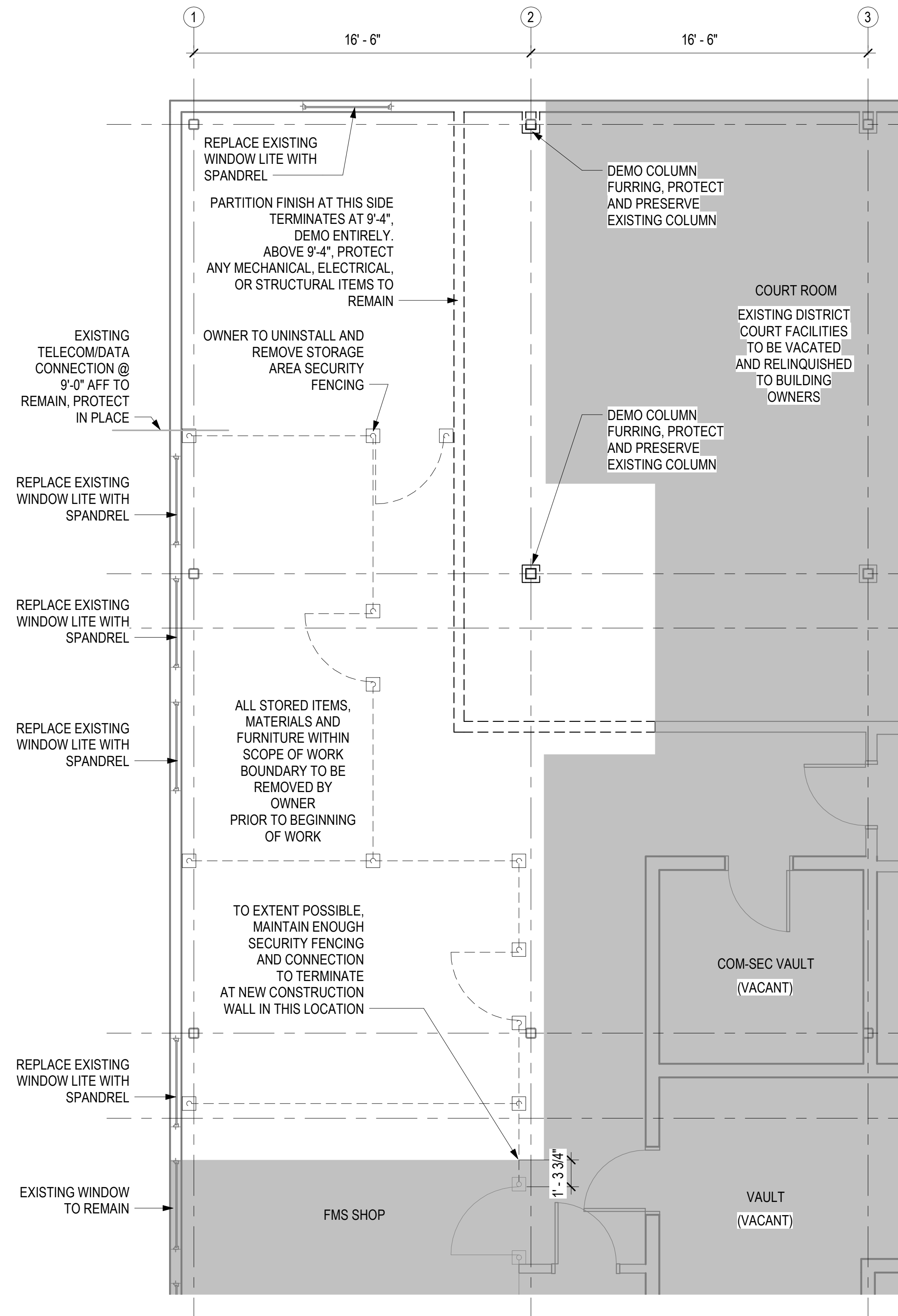
CORPORATE NO. AEC219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

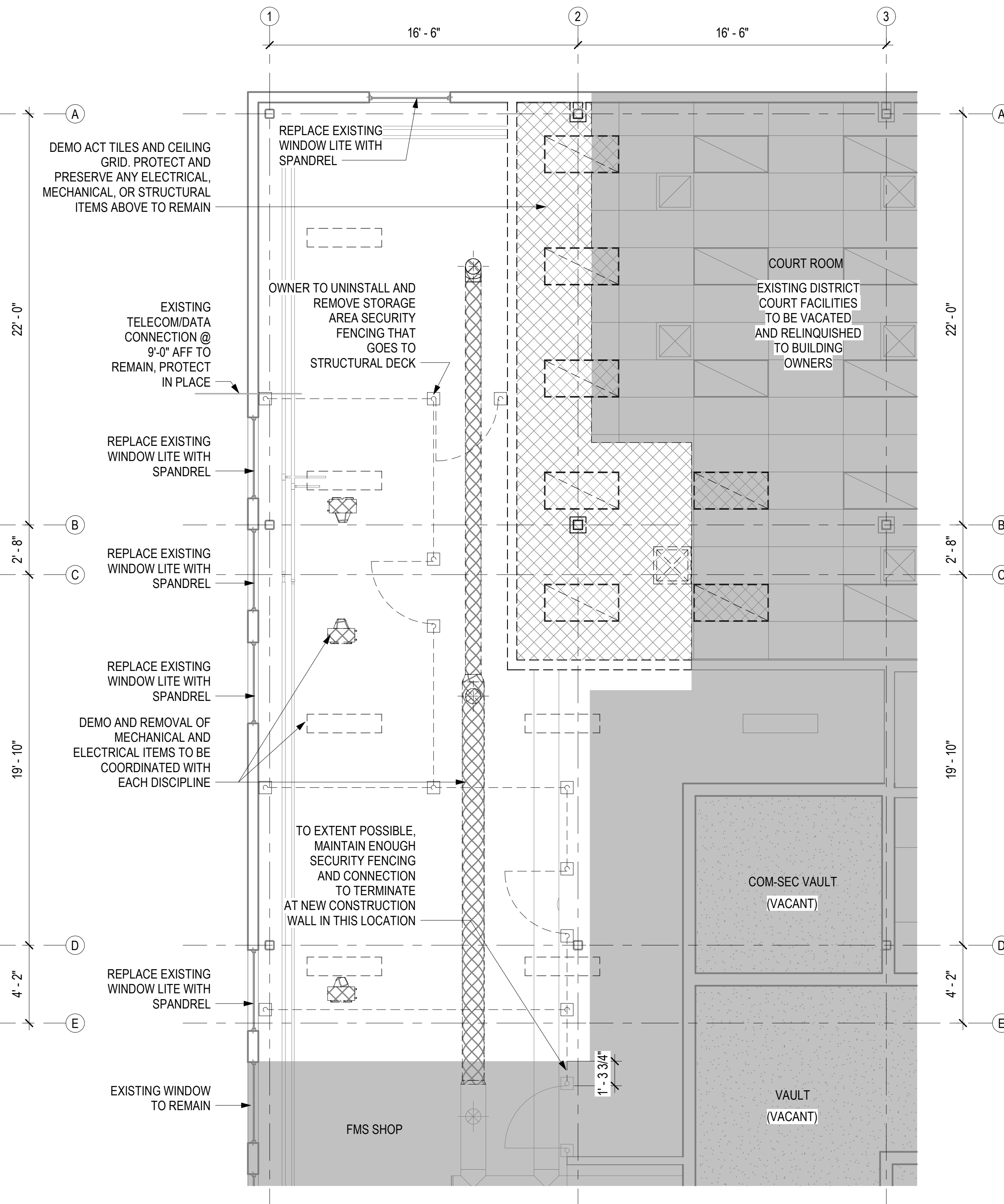
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102_ACS_Kotzebue_CH/20-102_ACS_KOTZ CH-A-Model.rvt

5/2/2023 9:42:50 AM



1 FMS SHOP - ENLARGED DEMO PLAN
AD602 1/4" = 1'-0"



2 FMS SHOP - ENLARGED DEMO RCP
AD602 1/4" = 1'-0"

GENERAL DEMOLITION PLAN NOTES

FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.

DIMENSIONING GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL/WOOD STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE UNO.

REFERENCE ELEVATION: ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION 0'-0" FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.

EXISTING ELEMENTS: PROTECT AND PRESERVE EXISTING ELEMENTS NOT IN SCOPE AND/OR ELEMENTS TO REMAIN.

DEMOLISH EXTENTS: DEMOLISH PORTIONS OF WALL FINISHES, AND FRAMING AS REQUIRED WHERE, BUT NOT LIMITED TO, EQUIPMENT AND/OR FIXTURES ARE IDENTIFIED TO BE DEMOLISHED. PREP FOR NEW FRAMING INFILL AND FINISH.

DEVICES: PROTECT AND PRESERVE EXISTING DEVICES UNLESS NOTED FOR DEMOLITION. REINSTALL IN SAME LOCATION UNLESS NOTED OTHERWISE. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR FURTHER INFORMATION.

SPRINKLER HEADS: PROTECT AND PRESERVE EXISTING SPRINKLER HEADS. REMOVE AND REINSTALL AS REQUIRED.

FURNITURE: UNINSTALL, STORE, AND PROTECT EXISTING FURNITURE FOR THE DURATION OF WORK. PATCH AND REPAIR AREAS OF UNINSTALL AS NECESSARY.

EQUIPMENT: SALVAGE, STORE, AND PROTECT EXISTING EQUIPMENT TO REMAIN OR BE REINSTALLED AS DIRECTED BY OWNER.

RENOVATION NOTES: REFER TO A100 SERIES AND A200 SERIES SHEET FOR CORRESPONDING RENOVATION PLANS AND REFLECTED CEILING PLANS.

DEMOLITION ENLARGED PLAN LEGEND

- EXISTING ELEMENTS TO REMAIN
- ELEMENTS TO BE DEMOLISHED
- EXISTING ACT CEILING TO REMAIN
- EXISTING GYP CEILING TO REMAIN
- CEILING TO BE DEMOLISHED
- OTS OPEN TO STRUCTURE
- NOT IN SCOPE



**ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA**

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

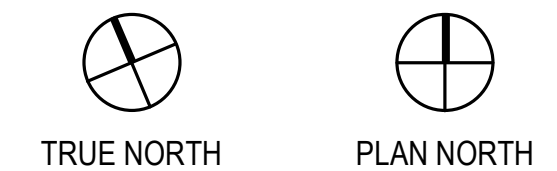
FIRST FLOOR - ENLARGED DEMO PLAN & RCP

AD602

BETTISWORTH NORTH ARCHITECTS & PLANNERS

CORPORATE NO. AEC219 BETTISWORTH.COM

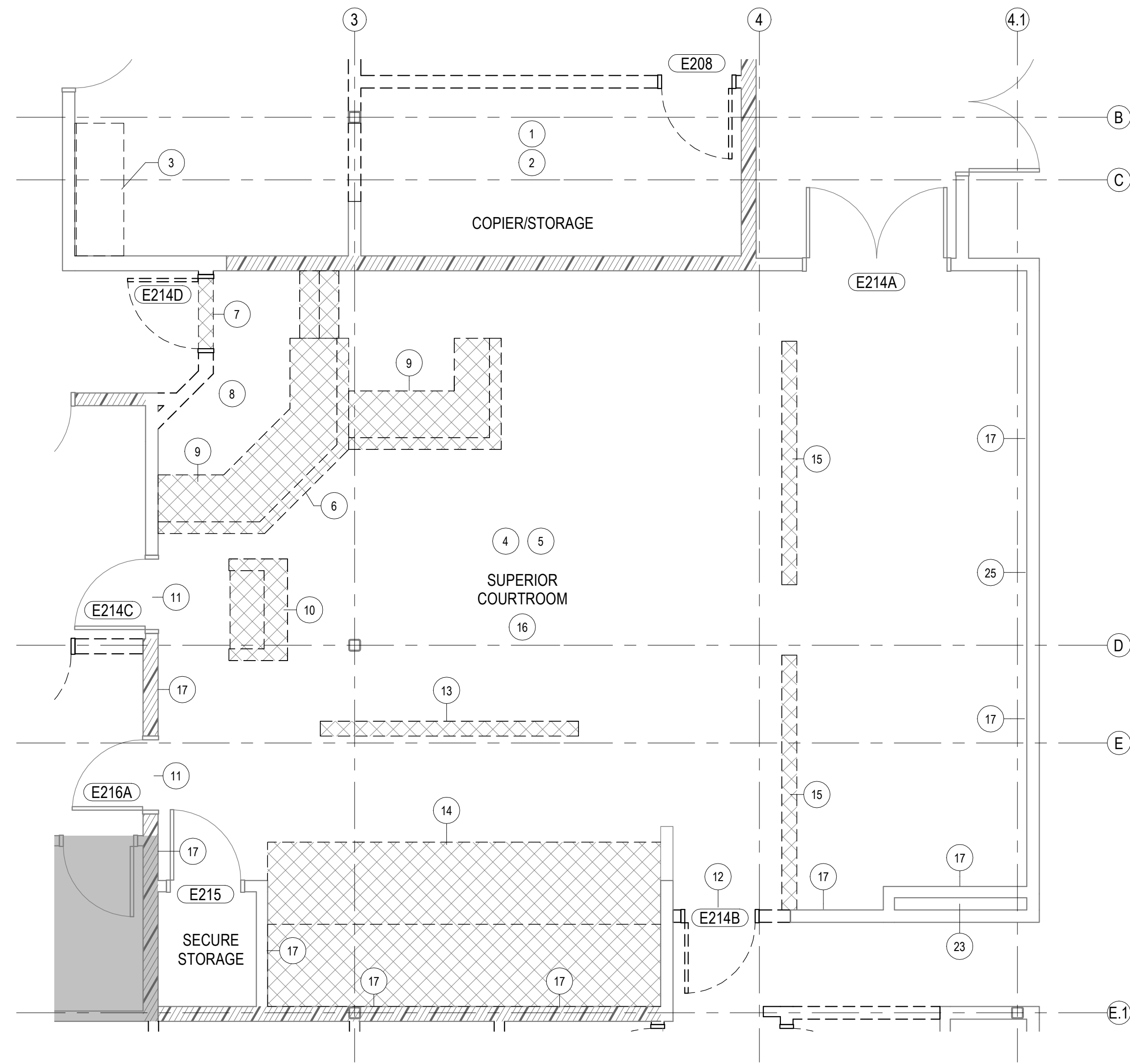
100% CONSTRUCTION DOCUMENTS



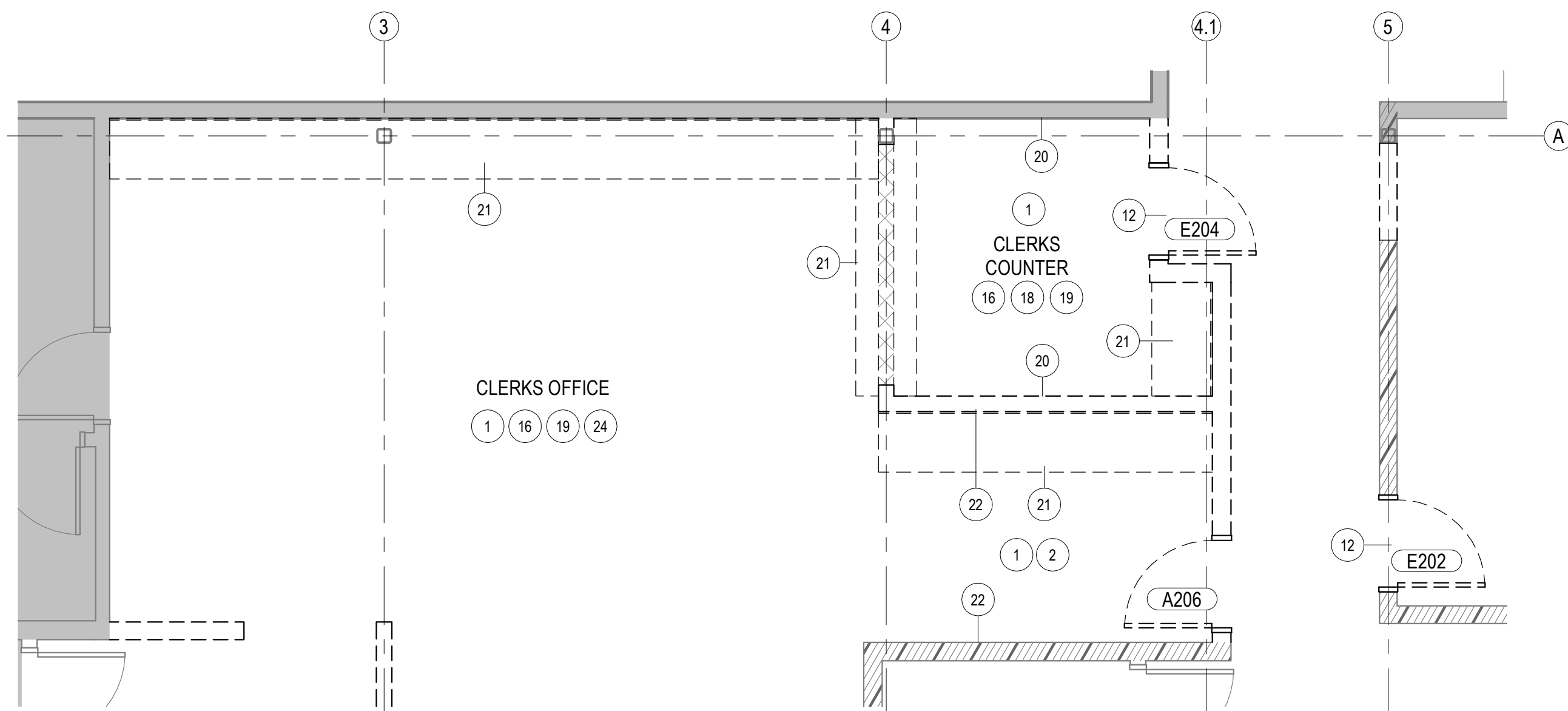
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

5/2/2023 9:42:51 AM

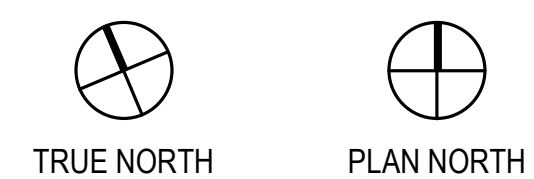
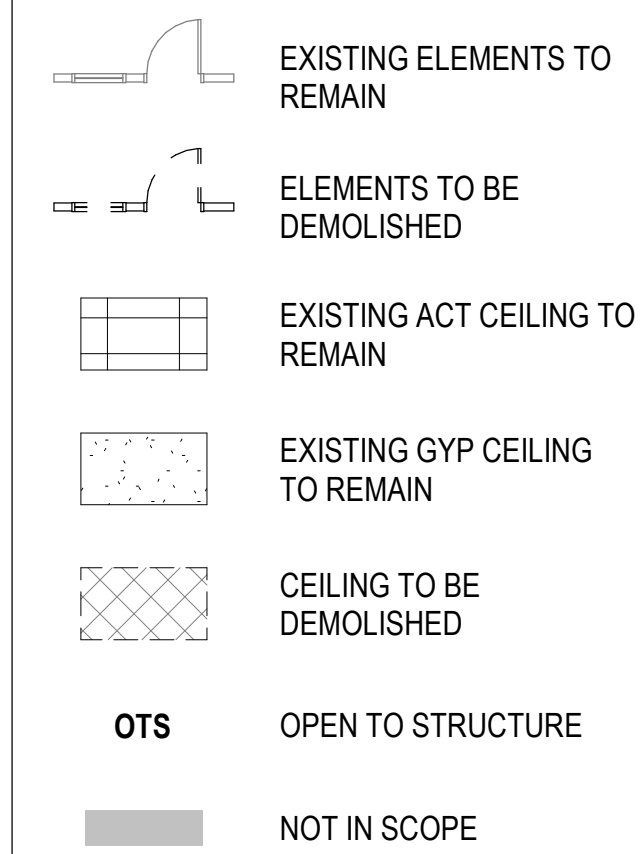


1 SUPERIOR COURTROOM - ENLARGED DEMO PLAN
AD603 1/4" = 1'-0"



2 CLERKS COUNTER AND CLERKS OFFICE - ENLARGED DEMO PLAN
AD603 1/4" = 1'-0"

KEYNOTE LEGEND		GENERAL DEMOLITION PLAN NOTES
KEY VALUE	KEYNOTE TEXT	
1	OWNER TO REMOVE ALL PAPERWORK AND STORED ITEMS	FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.
2	OWNER TO REMOVE ALL STORAGE CABINETS	
3	DEMO COUNTERTOP AND CASEWORK	
4	OWNER TO REMOVE ALL FURNISHINGS INCLUDING PODIUMS, MOVEABLE CHAIRS, SPECTATOR BENCHES, TABLES, STORAGE, AND ARTWORK	DIMENSIONING GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL/WOOD STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE UNO.
5	OWNER TO REMOVE COURT AV EQUIPMENT AND ACCESSORIES	
6	SALVAGE AND STORE STATE SEAL FOR REINSTALLATION	REFERENCE ELEVATION: ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION 0'-0" FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.
7	SALVAGE DOOR AND FRAME FOR REINSTALLATION, PREP FOR NEW HARDWARE	
8	DEMO PLATFORM AT JUDGES BENCH	EXISTING ELEMENTS: PROTECT AND PRESERVE EXISTING ELEMENTS NOT IN SCOPE AND/OR ELEMENTS TO REMAIN.
9	DEMO CASEWORK AT JUDGE AND CLERK	
10	DEMO WITNESS STAND	DEMOLISH EXTENTS: DEMOLISH PORTIONS OF WALL FINISHES, AND FRAMING AS REQUIRED WHERE, BUT NOT LIMITED TO, EQUIPMENT AND/OR FIXTURES ARE IDENTIFIED TO BE DEMOLISHED. PREP FOR NEW FRAMING INFILL AND FINISH.
11	PREP DOOR FOR NEW HARDWARE	
12	SALVAGE DOOR, FRAME, AND HARDWARE FOR REINSTALLATION	DEVICES: PROTECT AND PRESERVE EXISTING DEVICES UNLESS NOTED FOR DEMOLITION. REINSTALL IN SAME LOCATION UNLESS NOTED OTHERWISE. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR FURTHER INFORMATION.
13	DEMO JURY RAIL	
14	DEMO JURY PLATFORM	SPRINKLER HEADS: PROTECT AND PRESERVE EXISTING SPRINKLER HEADS. REMOVE AND REINSTALL AS REQUIRED.
15	DEMO SPECTATOR RAIL	
16	DEMO EXISTING CARPET AND WALL BASE	FURNITURE: UNINSTALL, STORE, AND PROTECT EXISTING FURNITURE FOR THE DURATION OF WORK. PATCH AND REPAIR AREAS OF UNINSTALL AS NECESSARY.
17	DEMO ACOUSTIC WALL PANEL	
18	OWNER TO REMOVE ALL FURNISHINGS INCLUDING MOVEABLE CHAIRS AND ARTWORK	EQUIPMENT: SALVAGE, STORE, AND PROTECT EXISTING EQUIPMENT TO REMAIN OR BE REINSTALLED AS DIRECTED BY OWNER.
19	OWNER TO REMOVE TELEPHONE AND COMPUTER EQUIPMENT AND ACCESSORIES	
20	SALVAGE AND STORE LITERATURE RACKS FOR REINSTALLATION	RENOVATION NOTES: REFER TO A100 SERIES AND A200 SERIES SHEET FOR CORRESPONDING RENOVATION PLANS AND REFLECTED CEILING PLANS.
21	DEMO COUNTERTOP	
22	DEMO WALL MOUNTED SHELVING	DEMOLITION ENLARGED PLAN LEGEND
23	RAIN LEADER AND FIRE HOSE CABINET TO REMAIN UNDISTURBED	
24	OWNER TO REMOVE ALL OFFICE FURNISHINGS	
25		



BETTISWORTH NORTH



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION & SECURITY UPGRADES
KOTZEBUE, ALASKA

CORPORATE NO. AEC219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

SECOND FLOOR - ENLARGED DEMO PLANS

AD603

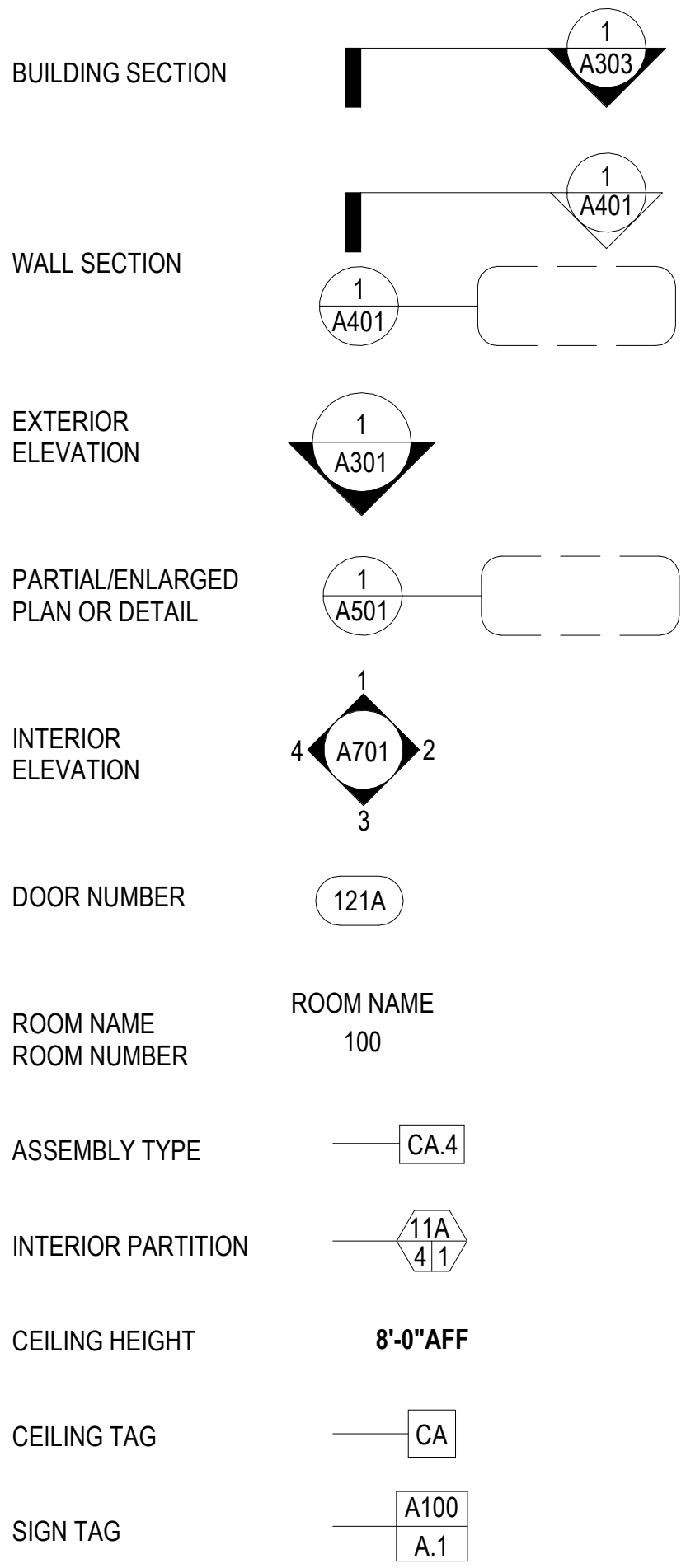
BETTISWORTH NORTH ARCHITECTS & PLANNERS

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

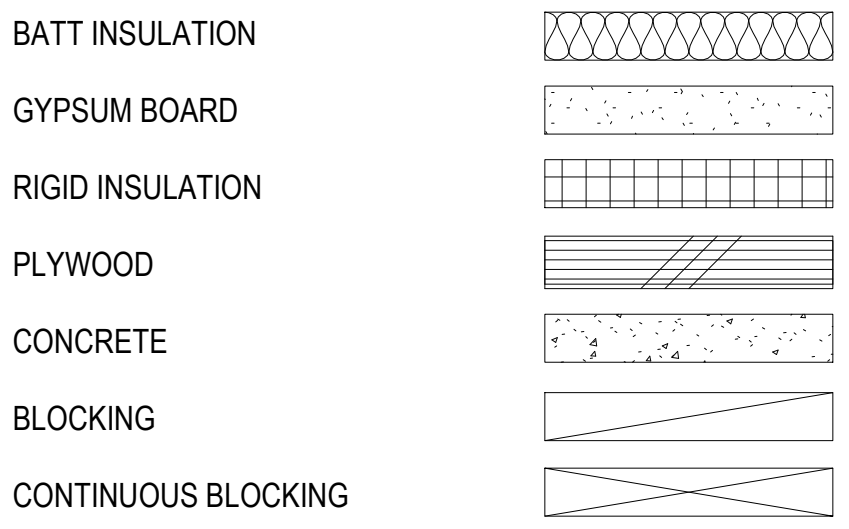
5/2/2023 9:41:18 AM Autodesk Docs://20-102_ACS_Kotzebue_CH/20-102_ACS_KOTZ_CH-A-Model.rvt

<p>INTERIOR PARTITION RATED OR UNRATED ASSEMBLY TYPE 11</p> <p>WHERE INDICATED PER TAGS FIRE: 1-HR, PER UL TEST U419 STC: 45 MIN</p>	<p>CEILING GYP CEILING ON LIGHT GAUGE METAL FRAMING ASSEMBLY TYPE CA</p>
<p>INTERIOR PARTITION RATED OR UNRATED ASSEMBLY TYPE 13</p> <p>WHERE INDICATED PER PARTITION TAGS FIRE: 2-HR, PER UL TEST U419 STC: 50 MIN</p>	<p>CEILING ASSEMBLY ACT CEILING ON METAL FRAMING ASSEMBLY TYPE CB</p> <p>ASSEMBLY TYPE CB: ACT 24" x 48" ASSEMBLY TYPE CC: ACT 24" x 24"</p>
<p>INTERIOR PARTITION RATED OR UNRATED ASSEMBLY TYPE 14</p> <p>WHERE INDICATED PER PARTITION TAGS FIRE: 2-HR, PER UL TEST U419 STC: 50 MIN</p>	<p>CEILING ASSEMBLY PLAM SOFFIT ASSEMBLY TYPE CD</p>
<p>INTERIOR PARTITION ASSEMBLY TYPE 21</p>	
<p>FLOOR ASSEMBLY T&G FLOOR SHEATHING ASSEMBLY TYPE FA</p>	

SYMBOL LEGEND



MATERIAL LEGEND



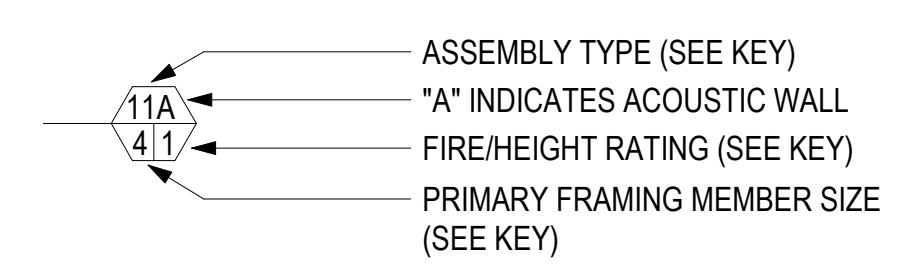
STANDARD ARCHITECTURAL ABBREVIATIONS

ACT	ACOUSTIC CEILING TILE
AFF	ABOVE FINISH FLOOR
AWP	ACOUSTICAL WALL PANEL
BS	BACKSPASH
CG	CORNER GUARD
CL	CENTERLINE
CLG	CEILING
CONT	CONTINUOUS
CPT	CARPET
CT	CERAMIC/PORCELAIN TILE
DEMO	DEMOLISH/DEMOLITION
DF	DRINKING FOUNTAIN
DN	DOWN
ELEC	ELECTRICAL
ELEV	ELEVATION / ELEVATOR
EQ	EQUAL
EXIST/(E)	EXISTING
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FACTORY FINISH
FFE	FURNITURE, FIXTURES, & EQUIPMENT
FLR	FLOOR
GB	GRAB BAR
GYP	GYPSUM BOARD
H	HOOK
HIP	HIGH-IMPACT PLASTIC PANEL
HM	HOLLOW METAL
HRAL	HANDRAIL
ICB	INTEGRALLY COVED BASE
IHM	INSULATED HOLLOW METAL
INSUL	INSULATION
LVT	LUXURY VINYL TILE
LWC	LINEAR WOOD CEILING
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MB	MARKER BOARD
MT	METAL TRANSITION
MW	MICROWAVE
NIC	NOT IN CONTRACT
OC	ON CENTER
OFCI	OWNER FURNISHED / CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED / OWNER INSTALLED
OTS	OPEN TO STRUCTURE
PL	PLASTIC LAMINATE
PTD	PAPER TOWEL DISPENSER
PTDR	PAPER TOWEL DISPENSER AND RECEPTACLE
PVC	POLYVINYL CHLORIDE
P	PAINT
RB	RESILIENT BASE
RCPT	RECEPTOR
REF	REFRIGERATOR
REQ	REQUIRED
RFT	RESILIENT FLOORING TRANSITION
S	SIGNAGE
SD	SOAP DISPENSER
SF	SQUARE FEET
SHC	SHOWER CURTAIN
SHCR	SHOWER CURTAIN ROD
SIM	SIMILAR
SLDS	SOLID SURFACE
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SSTL	STAINLESS STEEL
SS	SHOWER SEAT
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SWR	SHOWER
TBD	TO BE DETERMINED
TB	TACK BOARD
TPD	TOILET PAPER DISPENSER
TRFR	TRANSFER
TSCD	TOILET SEAT COVER DISPENSER
TSTAT	THERMOSTAT
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
WD	WOOD
WM	WALK OFF MAT
WR	WASTE RECEPTACLE
WRT	WATER RESISTIVE TREATED
WSCT	WAINSCOT

ASSEMBLY TYPE KEY

TYPE	DESCRIPTION
11 THRU 99	INTERIOR PARTITIONS
CA, CB, CC, ETC.	CEILINGS
FA, FB, FC, ETC.	FLOORS
RA, RB, RC, ETC.	ROOFS
EA, EB, EC, ETC.	EXTERIOR WALLS

INTERIOR PARTITION KEY



PRIMARY FRAMING KEY

#	METAL	WOOD	CONC	MASONRY
1	7/8"	1x1	NA	NA
2	2 1/2"	2x2	NA	NA
3	3 5/8"	2x3	NA	NA
4	4"	2x4	4"	3 5/8"
6	6"	2x6	6"	5 5/8"
8	8"	2x8	8"	7 5/8"

ACOUSTIC WALL NOTES

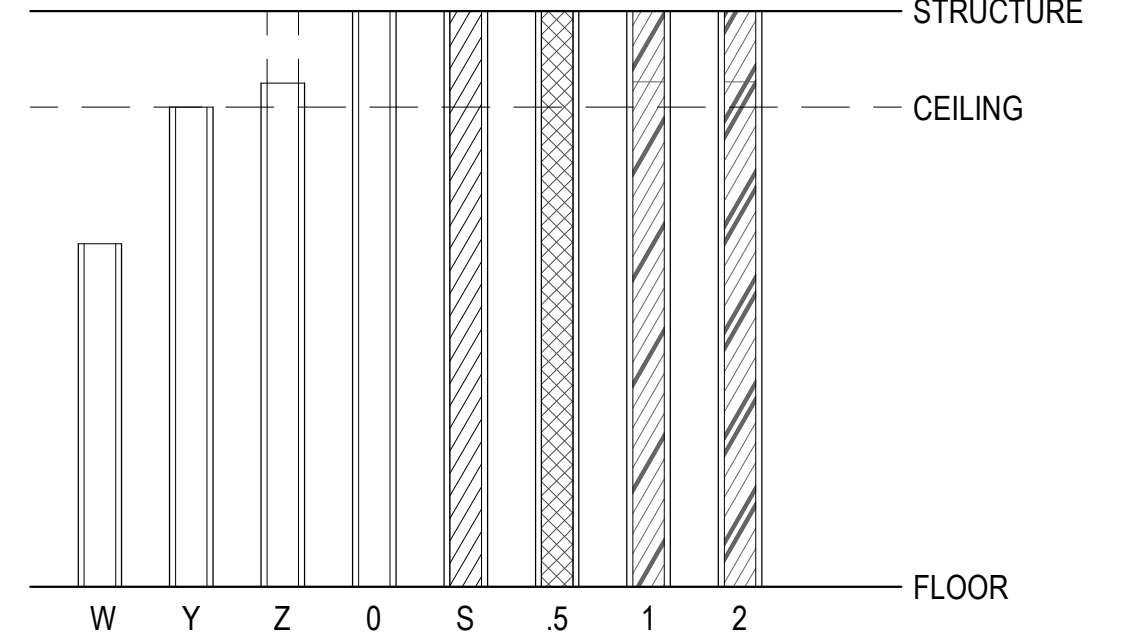
SIMILAR TO ASSEMBLY TYPE WITH THE ADDITION OF FIBERGLASS BATT INSULATION TO FULL WIDTH AND DEPTH OF STUD CAVITY

BATT RETAINERS SHALL BE USED WHERE GYPSUM BOARD IS NOT PRESENT

SEE ASSEMBLY NOTES AND SPECIFICATIONS FOR FURTHER INFORMATION ON ACOUSTIC TREATMENT

UNLESS NOTED OTHERWISE ACOUSTIC WALLS RATING, PER SPEC SECTION 09 21 16 2.01.B.1

FIRE RATING/PARTITION HEIGHT KEY



FIRE RATING/PARTITION HEIGHT NOTES

- W = NON-RATED, PARTIAL HEIGHT
- Y = NON-RATED, CEILING HEIGHT
- Z = NON-RATED, ABOVE CEILING HEIGHT
- 0 = NON-FIRE-RATED, ACOUSTIC WALL
- S = SMOKE PARTITION
- .5 = 1/2-HR RATED
- 1 = 1-HR RATED
- 2 = 2-HR RATED
- 3 = 3-HR RATED
- 4 = 4-HR RATED
- 5 = 1-HR RATED SMOKE BARRIER

CORPORATE NO. AEC219 BETTISWORTH.COM
REGISTERED PROFESSIONAL ARCHITECT

ALASKA COURT SYSTEM

KOTZEBUE COURTHOUSE CONSOLIDATION & SECURITY UPGRADES

KOTZEBUE, ALASKA

100% CONSTRUCTION DOCUMENTS

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

ASSEMBLY TYPES, ABBREVIATIONS, SYMBOLS

A001

BETTISWORTH NORTH ARCHITECTS & PLANNERS

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

5/2/2023 9:41:19 AM

SECTION 02 41 00

SELECTIVE DEMOLITION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Selective demolition of building elements for alteration purposes.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
B. Section 01 35 45 - Airborne Contaminant Control.
C. Section 02 81 00 - Hazardous Materials: Removal and disposal of hazardous materials.

1.03 DEFINITIONS

- A. Demolition: Dismantle, raze, destroy or wreck any building or structure or any part thereof.
B. Remove: Detach or dismantle items from existing construction and dispose of them off site, unless items are indicated to be salvaged or reinstalled.
C. Remove and Salvage: Detach or dismantle items from existing construction in a manner to prevent damage. Clean, package, label and deliver salvaged items to Owner in ready-for-reuse condition.
D. Remove and Reinstall: Detach or dismantle items from existing construction in a manner to prevent damage. Clean and prepare for reuse and reinstall where indicated.
E. Existing to Remain: Designation for existing items that are not to be removed and that are not otherwise indicated to be salvaged or reinstalled.

1.04 REFERENCE STANDARDS

PART 3 EXECUTION

2.01 GENERAL PROCEDURES AND PROJECT CONDITIONS

- A. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
1. Obtain required permits.
2. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
3. Provide, erect, and maintain temporary barriers and security devices.
4. Use physical barriers to prevent access to areas that could be hazardous to workers or the public.
5. Conduct operations to minimize effects on and interference with adjacent structures and occupants.
6. Do not close or obstruct roadways or sidewalks without permits from authority having jurisdiction.
7. Conduct operations to minimize obstruction of public and private entrances and exits. Do not obstruct required exits at any time. Protect persons using entrances and exits from removal operations.
8. Obtain written permission from owners of adjacent properties when demolition equipment will traverse, infringe upon, or limit access to their property.
B. Do not begin removal until receipt of notification to proceed from Owner.
C. Do not begin removal until built elements to be salvaged or relocated have been removed.
D. Protect existing structures and other elements to remain in place and not removed.
1. Provide bracing and shoring.
2. Prevent movement or settlement of adjacent structures.
3. Stop work immediately if adjacent structures appear to be in danger.
E. Hazardous Materials:
1. If hazardous materials are discovered during removal operations, stop work and notify Architect and Owner; hazardous materials include regulated asbestos containing materials, lead, PCBs, and mercury.

2.02 SELECTIVE DEMOLITION FOR ALTERATIONS

- A. Existing construction and utilities indicated on drawings are based on casual field observation and existing record documents only.
1. Verify construction and utility arrangements are as indicated.
2. Report discrepancies to Architect before disturbing existing installation.
3. Beginning of demolition work constitutes acceptance of existing conditions that would be apparent upon examination prior to starting demolition.
B. Separate areas in which demolition is being conducted from areas that remain occupied.
1. Provide, erect, and maintain temporary dustproof partitions of construction indicated on drawings.
C. Remove existing work as indicated and required to accomplish new work.
1. Remove items indicated on drawings including but not limited to walls, doors, counters, casework, ceilings, and associated electrical and mechanical.
2. Remove decals, signs, specialties, anchors, nails, screws, and other hardware not being used.
3. Remove floor finish and base to extent shown. Patch or otherwise repair floor and install new floor finish.
4. Owner to remove all furnishings unless noted otherwise in Drawings.
D. Services including, but not limited to, HVAC, Plumbing, Fire Protection, Electrical, and Telecommunications: Remove and reconfigure existing systems and equipment as indicated.
1. Maintain existing active systems to remain in operation, and maintain access to equipment and operational components.
2. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.
3. Verify that abandoned services serve only abandoned facilities before removal.

- 4. Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings. Remove back to source of supply where possible, otherwise cap stub and tag with identification.
5. Remove surface-mounted wiring and raceways where exposed.
6. Reconfigure fire alarm and fire suppression device(s) as dictated by new wall configuration. Submit shop drawings for approval prior to performing the Work.
E. Removed and Reinstalled Items
1. Clean and repair items to functional condition adequate for intended reuse.
2. Protect items from damage during transport and storage.
3. Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.
F. Protect existing work to remain.
1. Prevent movement of structure. Provide shoring and bracing as required.
2. Perform cutting to accomplish removal work neatly and as specified for cutting new work.
3. When permitted by Owner, items to be protected may be removed to a suitable, protected storage location during selective demolition and cleaned and reinstalled in their original locations after selective demolition activities are complete.
4. Repair adjacent construction and finishes damaged during removal work.
5. Patch to match new work.
6. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition activities began.

2.03 DEBRIS AND WASTE REMOVAL

- A. Remove debris, junk, and trash from site.
B. Leave site in clean condition, ready for subsequent work.
C. Clean up spillage and wind-blown debris from public and private lands.

END OF SECTION

SECTION 05 52 13

PIPE AND TUBE RAILINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Stair railings and guardrails.
B. Balcony railings and guardrails.
C. Gates.

1.02 RELATED REQUIREMENTS

1.03 DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 01 SPECIFICATION SECTIONS, APPLY TO THIS SECTION.

- A. Section 03 30 00 - Cast-in-Place Concrete: Placement of anchors in concrete.
B. Section 08 71 00 - Door Hardware: Hardware for gates.
C. Section 09 21 16 - Gypsum Board Assemblies: Placement of backing plates in stud wall construction.
D. Section 09 91 23 - Interior Painting: Paint finish.

1.04 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
B. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless; 2018.
C. ASTM A500/A500M - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes; 2020.

1.05 SUBMITTALS

- A. Shop Drawings: Indicate profiles, sizes, connection attachments, anchorage, size and type of fasteners, and accessories.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Handrails and Railings:
1. C.R. Laurence Company, Inc.; CRL Welded Post Railing System (WRS): www.crl-arch.com/sle.
2. Kane Innovations: www.kaneinnovations.com/#sle.
3. Kee Safety, Inc; Kee Klamp (steel): www.keesafety.com/#sle.
4. The Wagner Companies: www.wagnercompanies.com/#sle.
5. Or approved substitutions.

2.02 RAILINGS - GENERAL REQUIREMENTS

- A. Design, fabricate, and test railing assemblies in accordance with the most stringent requirements of applicable local code.
B. Allow for expansion and contraction of members and building movement without damage to connections or members.
C. Dimensions: See drawings for configurations and heights.
1. Top Rails and Wall Rails: 1-1/2 inches diameter, round.
2. Intermediate Rails: 1-1/2 inches diameter, round.
3. Posts: 1-1/2 inches diameter, round.
D. Provide anchors and other components as required to attach to structure, made of same materials as railing components unless otherwise indicated; where exposed fasteners are unavoidable provide flush countersunk fasteners.
1. For anchorage to concrete, provide inserts to be cast into concrete, for bolting anchors.
2. For anchorage to stud walls, provide backing plates, for bolting anchors.
3. Posts: Provide adjustable flanged brackets.
E. Provide slip-on non-weld mechanical fittings to join lengths, seal open ends, and conceal exposed mounting bolts and nuts, including but not limited to elbows, T-shapes, splice connectors, flanges, escutcheons, and wall brackets.

2.03 STEEL RAILING SYSTEM

- A. Steel Tube: ASTM A500/A500M, Grade B cold-formed structural tubing.
B. Steel Pipe: ASTM A53/A53M, Grade B Schedule 80, black finish.
C. Non-Weld Mechanical Fittings: Slip-on, galvanized malleable iron castings, for Schedule 40 pipe, with flush setscrews for tightening by standard hex wrench, no bolts or screw fasteners.
D. Exposed Fasteners: No exposed bolts or screws.

2.04 FABRICATION

- A. Accurately form components to suit specific project conditions and for proper connection to building structure.
B. Fit and shop assemble components in largest practical sizes for delivery to site.
C. Fabricate components with joints tightly fitted and secured. Provide spigots and sleeves to accommodate site assembly and installation.
D. Welded Joints:
1. Interior Components: Continuously seal joined pieces by intermittent welds and plastic filler.
2. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field conditions are acceptable and are ready to receive work.

3.02 PREPARATION

- A. Clean and strip primed steel items to bare metal where site welding is required.
B. Supply items required to be cast into concrete or placed in partitions with setting templates, for installation as work of other sections.

3.03 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
B. Install components plumb and level, accurately fitted, free from distortion or defects, with tight joints.
C. Install railings in compliance with ADA Standards for accessible design at applicable locations.
D. Anchor railings securely to structure.
E. Conceal anchor bolts and screws whenever possible. Where not concealed, use flush countersunk fasteners.

3.04 TOLERANCES

- A. Maximum Variation From Plumb: 1/4 inch per floor level, non-cumulative.
B. Maximum Offset From True Alignment: 1/4 inch.
C. Maximum Out-of-Position: 1/4 inch.

END OF SECTION

SECTION 06 10 00

ROUGH CARPENTRY

PART 1 GENERAL

1.01 REFERENCE STANDARDS

- A. AWC (WFCM) - Wood Frame Construction Manual for One- and Two-Family Dwellings; 2018.
B. PS 1 - Structural Plywood; 2009.
C. PS 20 - American Softwood Lumber Standard; 2020.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. Dimension Lumber: Comply with PS 20 and requirements of specified grading agencies.
1. If no species is specified, provide species graded by the agency specified; if no grading agency is specified, provide lumber graded by grading agency meeting the specified requirements.
2. Grading Agency: Grading agency whose rules are approved by the Board of Review, American Lumber Standard Committee at www.alsc.org, and who provides grading service for the species and grade specified; provide lumber stamped with grade mark unless otherwise indicated.
3. Lumber of other species or grades is acceptable provided structural and appearance characteristics are equivalent to or better than products specified.

2.02 DIMENSION LUMBER FOR CONCEALED APPLICATIONS

- A. Sizes: Nominal sizes as indicated on drawings, S4S.
B. Moisture Content: S-dry or MC19.
C. Miscellaneous Framing, Blocking, Nailers, Grounds, and Furring:
1. Lumber: S4S, No. 2 or Standard Grade.
2. Boards: Standard or No. 3.
3. In-Wall Support: Provide 2x solid blocking inside walls for supporting items attached to walls.

2.03 CONSTRUCTION PANELS

- A. Subfloor/Underlayment Combination: PS 1 or PS 2 type, rated Single Floor.
1. Panel Type: Plywood.
2. Bond Classification: Exterior.
3. Span Rating: 48.
4. Performance Category: 3/4 PERF CAT.
5. Edges: Tongue and groove.
B. Underlayment: APA Underlayment; plywood, Exterior exposure class, 1/2 inch thick. Fully sanded faces at resilient flooring.

PART 3 EXECUTION

3.01 INSTALLATION - GENERAL

- A. Select material sizes to minimize waste.

- B. Reuse scrap to the greatest extent possible; clearly separate scrap for use on site as accessory components, including: shims, bracing, and blocking.
C. Where treated wood is used on interior, provide temporary ventilation during and immediately after installation sufficient to remove indoor air contaminants.

3.02 FRAMING INSTALLATION

- A. Set structural members level, plumb, and true to line. Discard pieces with defects that would lower required strength or result in unacceptable appearance of exposed members.
B. Make provisions for temporary construction loads, and provide temporary bracing sufficient to maintain structure in true alignment and safe condition until completion of erection and installation of permanent bracing.
C. Install structural members full length without splices unless otherwise specifically detailed.
D. Comply with member sizes, spacing, and configurations indicated, and fastener size and spacing indicated, but not less than required by applicable codes and AWC (WFCM) Wood Frame Construction Manual.
E. Construct double joist headers at floor and ceiling openings and under wall stud partitions that are parallel to floor joists; use metal joist hangers unless otherwise detailed.
F. Frame wall openings with two or more studs at each jamb; support headers on cripple studs.

3.03 INSTALLATION OF CONSTRUCTION PANELS

- A. Subflooring/Underlayment Combination: Glue and nail to framing; staples are not permitted.

END OF SECTION

SECTION 06 20 00

FINISH CARPENTRY

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Finish carpentry items.
B. Wood casings and moldings.
1. Transparent Finish and Clerk's Counter area.
2. Transparent Finish in Courtrooms and adjacent spaces.
C. Wood handrails.
D. Shop-fabricated Judges' and Clerks' Benches, Witness Stands, Litigant Tables, and Jury/Spectator Rails.
E. Hardware and attachment accessories.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
B. Section 06 10 00 - Rough Carpentry: Support framing, grounds, and concealed blocking.
C. Section 06 41 00 - Architectural Wood Casework: Shop fabricated custom cabinet work.
D. Section 08 14 16 - Flush Wood Doors.
E. Section 08 80 00 - Glazing: Ballistic glazing at Clerk's Counter screens.
F. Section 09 91 23 - Interior Painting: Painting of finish carpentry items.
G. Division 26 Sections for electrical elements which are to be integrated into carpentry elements. Electrical rough-in of shop-fabricated components shall be completed in the shop.

1.03 REFERENCE STANDARDS

- A. ANSI A208.1 - American National Standard for Particleboard; 2016.
B. AWWAWMAC/WI (AWS) - Architectural Woodwork Standards; 2014, with Errata (2018).
C. BHMA A156.9 - American National Standard for Cabinet Hardware; 2015.
D. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.

1.04 SUBMITTALS

- A. Product Data:
1. For each type of product including panel products, high-pressure decorative laminate, and adhesive for bonding laminate, melamine and veneers.
2. Provide data on fire retardant treatment materials and application instructions.
3. Provide instructions for attachment hardware and finish hardware.
B. Third-party certified Health Product Declaration and/or Environmental Product Declaration and/or Declare® Label(s) for each product indicated, if available.
C. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
1. Including Judges' bench, Clerks' in-court stations, jury rails, spectator rails, witness stands, litigant tables, monitor trims, and Clerk's counter screen and service counter.
2. Combine with shop drawings of cabinets, casework, and countertops specified in other sections.
3. Scale of Drawings: 1-1/2 inch to 1 foot, minimum.
D. Samples for Verification to be sent to both the Owner's Representative in Anchorage and to the Kotzebue Clerk of Courts.
1. Finished Panel Products: For each type of finished plywood, minimum 8 by 10 inch in size, illustrating wood grain or pattern and specified finish.
a. Plastic Laminates for each type, color, pattern, and surface finish with one sample applied to core material and specified edge material applied to one edge.
2. Finished Wood Trim, minimum 10-inches long, finished to match laminate as indicated in Drawings.



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA

CONSULTANT:

Table with columns: REVISION, DESCRIPTION, DATE. Includes project info: PROJECT NO: 20-102, DATE: 2023-05-01, DRAWN BY: DN, CHECKED BY: LK.

SPECIFICATIONS
A002

CORPORATE NO. AEECC219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

- E. Certificate: Submit labels and certificates required by quality assurance and quality control programs.
 1. Alternately, Submit a quality control statement which illustrates compliance with and understanding of AWI AWS requirements, in general, and the specific AWI AWS requirements provided in this specification. The quality control statement shall also certify a minimum of ten years Contractor's experience in laminate clad casework fabrication and construction. The quality control statement shall provide a list of a minimum of five successfully completed projects of a similar scope, size, and complexity.

1.05 QUALITY ASSURANCE

- A. Single Source Responsibility: Provide and install this work and work specified in Sections 06 41 00 - Architectural Wood Casework and 12 36 00 - Countertops.
- B. Pre-Construction and Pre-Installation Meetings:
 1. Prior to development of shop drawings for submittal, Contractor shall engage subcontractor/fabricator, Owner's Representative, and Architect to review scope, details, quality control for fabrication and installation, and other concerns the Owner may have relative to the Work of this project.
 2. Prior to installation of the work, Contractor shall engage subcontractor/fabricator and/or installer, Owner's Representative, and Architect to review the work and any installation concerns or issues.
 3. Contractor shall provide minimum 1 week prior notice to Owner's Representative and Architect for each of the above meetings.
 4. Pre-Construction and pre-installation meetings may combine Finish Carpentry, Architectural Woodwork, and Countertops.
- C. Unless otherwise noted on the drawings, all materials, construction methods, and fabrication shall conform to and comply with the quality standards as outlined in AWI AWS, requirements for work specified in this section. These standards shall apply in lieu of omissions or specific requirements in this specification.
- D. Contractors and their personnel engaged in the work shall be able to demonstrate successful experience with work of comparable extent, complexity and quality to that shown and specified. Submit a quality control statement which illustrates compliance with and understanding of AWI AWS requirements, in general, and the specific AWI AWS requirements provided in this specification.
 1. The quality control statement shall also certify a minimum of ten years Contractor's experience in laminate clad casework fabrication and construction.
 2. The quality control statement shall provide a list of a minimum of five successfully completed projects of a similar scope, size, and complexity.
- E. Preferred Fabricators: Subject to compliance with the requirements, fabricator shall be one of the two as follows, or an approved alternate architectural woodwork shop.
 1. Price & Visser Millwork Inc.; 2536 Valencia Street, Bellingham, Washington 98226; (360) 734-7700. www.priceandvisser.com.
 2. PacWest; 144 E 53rd Avenue, Anchorage, Alaska 99418; (907) 562-3168. www.pacwestak.com

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store finish carpentry items under cover, elevated above grade, and in a dry, well-ventilated area not exposed to heat or sunlight.
- B. Protect from moisture damage.
- C. Handle materials and products to prevent damage to edges, ends, or surfaces.

PART 2 PRODUCTS

2.01 FINISH CARPENTRY ITEMS

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS), unless noted otherwise.
- B. Surface Burning Characteristics: Provide materials having fire and smoke properties as required by applicable code.

2.02 LUMBER MATERIALS

- A. Hardwood Lumber: White Oak species, plain sawn, maximum moisture content of 6 percent; with vertical grain, of quality suitable for transparent finish.

2.03 SHEET MATERIALS

- A. Softwood Plywood, Not Exposed to View: Not Exposed to View: MDF-faced, crossbanded veneer core; PS 1 Grade A-B, glue type as recommended for application.
 1. Typically used for ribs in die-wall construction.
- B. Hardwood Plywood: Face species tmatch Hardwood Lumber, plain sawn, running matched, veneer core, glue type as recommended for application.
 1. May be MDF-faced, crossbanded veneer core at Fabricator's option.
- C. Particleboard: ANSI A208.1; Composed of wood chips, sawdust, or flakes of medium density, made with water resistant adhesive; of grade to suit application; sanded faces.
- D. Ballistic Fiberglass Paneling:
 1. Ballistic Resistance Performance Level: U.L. 752 Level 3.
 2. Nominal Thickness: 7/16".
 3. Construction: Multi-ply ballistic fiberglass laminate produce from ballistic fiberglass and impregnated with a thermoset polyester resin binder. The multi-ply configuration provides a delaminating effect when ballistically attacked.
 4. Available products which may be incorporated into th eproject include, but are not limited to:
 - a. North American Bullet Proof Shotgard Fiberglass Ballistic Panel, BB-3.
 - b. Armortext Fiberglass Ballistic Panel.
 - c. Or approved substitution.

2.04 PLASTIC LAMINATE MATERIALS

- A. Plastic Laminate: NEMA LD 3; HGS; pattern, color, surface texture, and performance finishes as indicated in Drawings.
- B. Laminate Backing Sheet: NEMA LD 3, BKL; undecorated plastic laminate.
- C. Laminate Adhesive: Type recommended by laminate manufacturer to suit application; not containing formaldehyde or other volatile organic compounds.

2.05 FASTENINGS

- A. Adhesive for Purposes Other Than Laminate Installation: Suitable for the purpose; not containing formaldehyde or other volatile organic compounds.

- B. Adhesive for factory-fabricated units: Manufacturer's recommended adhesive for application.
- C. Fasteners: Of size and type to suit application; stainless steel finish finish in concealed locations and satin nickel finish in exposed locations.
- D. Concealed Joint Fasteners: Threaded steel.

2.06 ACCESSORIES

- A. Adhesive: Type recommended by AWI/AWMAC to suit application.
- B. Lumber for Shimming and Blocking: Softwood lumber of Douglas fir-larch or Hemlock-fir species.
- C. Plastic Edge Trim: Extruded flat shaped; smooth finish; of width to match component thickness; color as selected.
 1. Design intent is for laminate panel edges to be finished with edge band as manufactured by scheduled plastic laminate manufacturer for truest match to scheduled laminate pattern and color.
- D. Wood Filler: Solvent base, tinted to match surface finish color.

2.07 HARDWARE

- A. Hardware: Comply with BHMA A156.9.

2.08 FABRICATION

- A. Judges' benches, Clerk's benches, Witness Stands, and Litigant Tables are to be fabricated in a shop. Electrical rough-in shall be completed in the shop.
- B. Shop assemble work for delivery to site, permitting passage through building openings.
- C. Fit exposed sheet material edges with plastic edging. Use one piece for full length only.
- D. Cap exposed plastic laminate finish edges with plastic trim.
- E. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.
- F. Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners.
- G. Apply laminate backing sheet to reverse face of plastic laminate finished surfaces.

2.09 SHOP FINISHING

- A. Sand work smooth and set exposed nails and screws.
- B. Apply wood filler in exposed nail and screw indentations.
- C. On items to receive transparent finishes, use wood filler that matches surrounding surfaces and is of type recommended for the applicable finish.
- D. Finish work in accordance with AWI/AWMAC/WI (AWS), Section 5 - Finishing for grade specified and as follows:
 1. Transparent:
 - a. System - 12, Polyurethane, Water-based.
 - b. Stain: As selected by Architect.
 - c. Sheen: Satin.
 2. Opaque:
 - a. System - 4, Latex Acrylic, Water-based.
 - b. Color: As selected by Architect.
 - c. Sheen: Satin.
- E. Back prime woodwork items to be field finished, prior to installation.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify adequacy of backing and support framing.
- B. Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.
- C. See Section 06 10 00 - Rough Carpentry for installation of recessed wood blocking.

3.02 INSTALLATION

- A. Install custom fabrications in accordance with AWI/AWMAC/WI (AWS) requirements for grade indicated.
- B. Set and secure materials and components in place, plumb and level.
- C. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim to conceal larger gaps.

3.03 TOLERANCES

- A. Maximum Variation from True Position: 1/16 inch.
- B. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch.

END OF SECTION

SECTION 06 41 00

ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Specially fabricated cabinet units.
- B. Hardware.
- C. Preparation for installing utilities.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Section 06 10 00 - Rough Carpentry: Support framing, grounds, and concealed blocking.
- C. Section 06 20 00 - Finish Carpentry: Plast laminate paneling, wood trims.
- D. Section 09 21 16 - Gypsum Board Assemblies: Support framing and concealed blocking and backing.
- E. Section 12 36 00 - Countertops.

1.03 REFERENCE STANDARDS

- A. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2014, with Errata (2018).
- B. BHMA A156.9 - American National Standard for Cabinet Hardware; 2015.
- C. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.

1.04 SUBMITTALS

- A. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
 1. Scale of Drawings: 1-1/2 inch to 1 foot, minimum.
 2. Provide the information required by AWI/AWMAC/WI (AWS).
 3. Combine with shop drawings of finish carpentry and countertops specified in other sections.
- B. Product Data: Provide data for hardware accessories.
- C. Samples for Verification to be sent to both the Owner's Representative in Anchorage and to the Kotzebue Clerk of Courts.
 1. Plastic Laminates for each type, color, pattern, and surface finish with one sample applied to core material and specified edge material applied to one edge.
- D. Certificate: Submit labels and certificates required by quality assurance and quality control programs.
 1. Alternately, Submit a quality control statement which illustrates compliance with and understanding of AWI AWS requirements, in general, and the specific AWI AWS requirements provided in this specification. The quality control statement shall also certify a minimum of ten years Contractor's experience in laminate clad casework fabrication and construction. The quality control statement shall provide a list of a minimum of five successfully completed projects of a similar scope, size, and complexity.
- E. Third-party certified Health Product Declaration and/or Environmental Product Declaration and/or Declare® Label(s) for each product indicated, if available.

1.05 QUALITY ASSURANCE

- A. Unless otherwise noted on the drawings, all materials, construction methods, and fabrication shall conform to and comply with the custom grade quality standards as outlined in AWI AWS, Section for laminate clad cabinets. These standards shall apply in lieu of omissions or specific requirements in this specification.
- B. Contractors and their personnel engaged in the work shall be able to demonstrate successful experience with work of comparable extent, complexity and quality to that shown and specified.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Protect units from moisture damage.

1.07 FIELD CONDITIONS

- A. During and after installation of custom cabinets, maintain temperature and humidity conditions in building spaces at same levels planned for occupancy.

PART 2 PRODUCTS

2.01 CABINETS

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS), unless noted otherwise.
- B. Plastic Laminate Faced Cabinets: Custom grade.
- C. Cabinets:
 1. Finish - Exposed Exterior Surfaces: Decorative laminate.
 2. Finish - Exposed Interior Surfaces: Decorative laminate.
 3. Finish - Semi-Exposed Surfaces: Decorative laminate
 4. Finish - Concealed Surfaces: Manufacturer's option.
 5. Door and Drawer Front Edge Profiles: Square edge with thick applied band.
 6. Door and Drawer Front Retention Profiles: Fixed panel.
 7. Casework Construction Type: Type A - Frameless.
 8. Interface Style for Cabinet and Door: Style 1 - Overlay; flush overlay.
 9. Grained Face Layout for Cabinet and Door Fronts: Flush panel.
 - a. Custom Grade: Doors, drawer fronts and false fronts wood grain to run and match vertically within each cabinet unit.
 10. Cabinet Design Series: As indicated on drawings.
 11. Adjustable Shelf Loading: 40 psf.
 - a. Deflection: L/144.
 12. Cabinet Style: Flush overlay.
 13. Cabinet Doors and Drawer Fronts: Flush style.
 14. Drawer Construction Technique: As recommended by fabricator.

2.02 WOOD-BASED COMPONENTS

- A. Wood fabricated from old growth timber is not permitted.

2.03 LAMINATE MATERIALS

- A. Manufacturers:
 1. Arborite: www.arborite.com/#sle.
 2. Formica Corporation: www.formica.com/#sle.
 3. Panolam Industries International, Inc: www.panolam.com/#sle.
 4. Wilsonart LLC: www.wilsonart.com/#sle.
 5. Abet Laminati: www.abetlaminati.com.
- B. High Pressure Decorative Laminate (HPDL): NEMA LD 3, types as recommended for specific applications.
- C. Provide specific types as indicated.
 1. Horizontal Surfaces: HGS, 0.048 inch nominal thickness, colors as indicated, finish as indicated.
 2. Cabinet Liner: CLS, 0.020 inch nominal thickness, through color, color as selected, textured low gloss finish.
 3. Laminate Backer: BKL, 0.020 inch nominal thickness, undecorated; for application to concealed backside of panels faced with high pressure decorative laminate.

2.04 ACCESSORIES

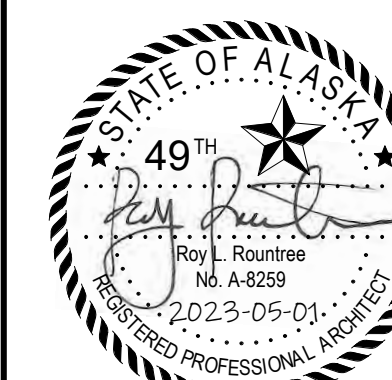
- A. Adhesive: Type recommended by fabricator to suit application.
- B. Plastic Edge Banding: Extruded or molded PVC, 3mm thick, flat shaped with square edges; smooth finish; of width to match component thickness.
 1. Color: As selected by Architect from manufacturer's full range of standard and premium options and coordinated patterns and colors.

- a. Design intent is for exposed and semi-exposed cabinet, fixed panel, door and drawer edges to be finished with edge band as manufactured by scheduled plastic laminate manufacturer for truest match to scheduled laminate pattern and color.
 2. Use at all exposed plywood edges.
 3. Use at all exposed shelf edges.

- C. Fasteners: Size and type to suit application.
- D. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; chrome-plated finish in concealed locations and stainless steel or chrome-plated finish in exposed locations.
- E. Concealed Joint Fasteners: Threaded steel.
- F. Grommets: Standard plastic grommets for cut-outs, in color to match adjacent surface.
- G. Bumpers:
 1. Door Bumpers/silencer: Self-adhesive bumper/silencer applied to cabinet doors at point of contact with cabinet box when closed. Liberty Model 490801 or similar.
 2. Wall Bumpers: Clear, plastic, self-adhesive bumper, approximately 1/2" x 1/2" x 3/16", applied to adjacent perpendicular wall where, when cabinet door is opened, specified pull makes contact with wall finish. Provide one bumper per door pull where wall contact occurs.
- H. Tackable Surface: Self-healing, natural and durable, pinboard linoleum or vinyl-impregnated composite cork sheet, 6mm thick, length and width as indicated, color as selected by Architect from manufacturer's full range. Available products:
 1. Forbo Bulletin Board.
 2. Claridge Cork.
 3. Koroseal Walltalkers Tac-Wall.

2.05 HARDWARE

- A. Hardware: BHMA A156.9, types as recommended by fabricator for quality grade specified.
- B. Adjustable Shelf Supports: Standard side-mounted system using multiple holes for pin supports and coordinated self rests, polished chrome finish, for nominal 1 inch spacing adjustments.
- C. Countertop Support Brackets: Fixed, L-shaped, face-of-wall mounting.
 1. Materials: Steel; T-shape cross-section.
 - a. Finish: Manufacturer's standard, factory-applied, powder coat.
 - b. Color: White.
 2. Materials: Steel plates.
 - a. Finish: Manufacturer's standard, factory-applied, black powder coat.
 3. Products:
 - a. A&M Hardware, Inc; Hybrid Brackets: www.aandmhardware.com/#sle.
 - b. A&M Hardware, Inc; Heavy-Duty Hybrid Brackets: www.aandmhardware.com/#sle.
 - c. Centerline Brackets; Front Mounting Countertop Support: www.countertopbracket.com/#sle.
 - d. Rakks/Rangine Corporation; EH Series Brackets: www.rakks.com/#sle.
- D. Countertop Brackets; Flat, Single-Leg-Support, top of knee wall mounting.
 1. Materials: Steel plates.
 2. Finish: Manufacturer's standard, factory-applied, powder coat.
 3. Color: Black.
 4. Products:
 - a. Centerline Brackets; Standard Granite Countertop Support Bracket: www.countertopbracket.com/#sle.
 - b. FastCap; SpeedBrace Stealth: http://www.fastcap.com.
- E. Countertop Brackets: Fixed, concealed vertical leg, side-of-stud mounting.
 1. Materials: Steel L- and T-shapes.
 - a. Finish: Manufacturer's standard, factory-applied, powder coat.
 - b. Color: Black.
 2. Products:
 - a. A&M Hardware, Inc; Concealed Brackets: www.aandmhardware.com/#sle.
 - b. A&M Hardware, Inc; Concealed Flat Brackets: www.aandmhardware.com/#sle.
 - c. A&M Hardware, Inc; Hybrid Brackets: www.aandmhardware.com/#sle.
 - d. A&M Hardware, Inc; Heavy-Duty Hybrid Brackets: www.aandmhardware.com/#sle.
 - e. Centerline Brackets; Floating Wall Mount: www.countertopbracket.com/#sle.
 - f. Rakks/Rangine Corporation; Inside Wall Flush Mount Brackets: www.rakks.com/#sle.
- F. Drawer and Door Pulls, Typical: "U" shaped wire pull, steel with chrome finish, 4 inch centers.
- G. Cabinet Locks, Typical: Keyed cylinder, two keys per lock, master keyed, steel with satin finish.
- H. Cabinet Catches and Latches:
- I. Drawer Slides:
 1. Type: Full extension with overtravel.
 2. Static Load Capacity: Heavy duty grade unless noted otherwise.
 3. Mounting: Side or bottom mounted.
 4. Stops: Positive type.
 5. Manufacturers:
 - a. Accuride International, Inc: www accuride.com/#sle.
 - b. Blum, Inc: www.blum.com/#sle.
 - c. Grass America Inc: www.grassusa.com/#sle.
 - d. Hettich America, LP: www.hettich.com/#sle.
 - e. Knappe & Vogt Manufacturing Company: www.knappeandvogt.com/#sle.
 - f. Sugatsune America, Inc: www.sugatsune.com/#sle.
- J. Soft-Close, Door and Drawer Adjustable Dampers:
 1. Manufacturers:
 - a. Grass America Inc: www.grassusa.com/#sle.



**ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA**

CONSULTANT:

PROJECT NO:	20-102	
DATE:	2023-05-01	
DRAWN BY:	DN	
CHECKED BY:	LK	
REVISION	DESCRIPTION	DATE

SPECIFICATIONS
A003

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt 5/2/2023 9:41:22 AM

- b. Titus Cabinet Hardware: www.titusplus.com/us/en/#sle.
- c. Blum, Inc: www.blum.com/#sle.
- K. Hinges: European style concealed self-closing type, steel with satin finish.
 - 1. Manufacturers:
 - a. Blum, Inc: www.blum.com/#sle.
 - b. Grass America Inc: www.grassusa.com/#sle.
 - c. Hardware Resources: www.hardwareresources.com/#sle.
 - d. Hettich America, LP: www.hettich.com/#sle.
 - e. Sugatsune America, Inc: www.sugatsune.com/#sle.
 - f. Titus Cabinet Hardware: www.titusplus.com/us/en/#sle.

2.06 FABRICATION

- A. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.
- B. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.
- C. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.
- D. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises.
 - 1. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.
 - 2. Cap exposed plastic laminate finish edges with plastic trim.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install work in accordance with AWI/AWMA/WI (AWS) requirements for grade indicated.
- B. Coordinate the work with plumbing rough-in, electrical rough-in, and installation of associated and adjace.
- C. Sequence installation to ensure utility connections are achieved in an orderly and expeditious manner.

3.02 EXAMINATION

- A. Verify adequacy of backing and support framing.
- B. Verify location and sizes of utility rough-in associated with work of this section.
- C. Coordinate the work with plumbing rough-in, electrical rough-in, and installation of associated and adjacent components.

3.03 INSTALLATION

- A. Install work in accordance with AWI/AWMA/WI (AWS) requirements for grade indicated.
- B. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.
- C. Use fixture attachments in concealed locations for wall mounted components.
- D. Use concealed joint fasteners to align and secure adjoining cabinet units.
- E. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose.
- F. Secure cabinets to floor using appropriate angles and anchorages. Conceal with plug or well-adhered cap/cover to match surrounding finish, providing a near-flush finish with surrounding surfaces.

3.04 ADJUSTING

- A. Adjust installed work.
- B. Adjust moving or operating parts to function smoothly and correctly.

3.05 CLEANING

- A. Clean casework, counters, shelves, hardware, fittings, and fixtures.

END OF SECTION

SECTION 07 21 19

FOAMED-IN-PLACE INSULATION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Foamed-in-place insulation.
- B. Protective intumescent coating.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.03 REFERENCE STANDARDS

- A. ASTM C518 - Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus; 2021.
- B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2020.
- C. ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials; 2016.
- D. ASTM E2178 - Standard Test Method for Air Permeance of Building Materials; 2013.
- E. NFPA 275 - Standard Method of Fire Tests for the Evaluation of Thermal Barriers; 2017.
- F. NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth; 2019.
- G. UL 723 - Standard for Test for Surface Burning Characteristics of Building Materials; Current Edition, Including All Revisions.

1.04 SUBMITTALS

- A. Product Data: Provide product description, insulation properties, and preparation requirements.

- B. ABAA Field Quality Control Submittals: Submit third-party reports of testing and inspection as required by ABAA QAP.
- C. Manufacturer's Installation Instructions: Indicate special procedures, and perimeter conditions requiring special attention.

1.05 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing work of the type specified, and approved by manufacturer.

1.06 FIELD CONDITIONS

- A. Do not apply foam when temperature is below that specified by the manufacturer for ambient air and substrate.
- B. Do not apply foam when temperature is within 5 degrees F of dew point.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Foamed-In-Place Insulation: Medium-density, rigid or semi-rigid, closed cell polyurethane foam; foamed on-site, using blowing agent of water or non-ozone-depleting gas.
 - 1. Thermal Resistance: R-value of 5.0, minimum, per 1 inch thickness at 75 degrees F mean temperature when tested in accordance with ASTM C518.
 - 2. Water Vapor Permeance: Vapor retarder; 2 perms, maximum, when tested at intended thickness in accordance with ASTM E96/E96M, desiccant method.
 - 3. Air Permeance: 0.04 cfm per square foot, maximum, when tested at intended thickness in accordance with ASTM E2178 at 1.57 psf.
 - 4. Closed Cell Content: At least 90 percent.
 - 5. Surface Burning Characteristics: Flame spread/smoke developed index of 25/450, maximum, when tested in accordance with ASTM E84.
 - 6. Manufacturers:
 - a. BASF Corporation; WALLTITE US: www.spf.basf.com/#sle.
 - b. Johns Manville; JM Corbond III Closed Cell Spray Polyurethane Foam: www.jm.com/#sle.
 - c. Substitutions permitted subject to approval of Architect.

2.02 ACCESSORIES

- A. Primer: As required by insulation manufacturer.
- B. Protective Coating: Intumescent coating of type recommended by insulation manufacturer and as required to comply with applicable codes, in return-air plenum spaces, and where not enclosed within a gypsum wallboard assembly.
 - 1. Coating Type: Single component, water-based.
 - 2. Protected Insulation Type: Spray polyurethane foam (SPF).
 - 3. Application: Apply using brush, roller, or airless sprayer.
 - 4. Surface Burning Characteristics: Flame spread/smoke developed index of 25/50, maximum, when tested in accordance with ASTM E84 or UL 723.
 - 5. Color: Manufacturer's standard.
 - 6. Thermal Performance: Minimum 15-minute thermal barrier meeting the requirements of the Temperature Transmission Fire Test and the Integrity Fire Test of NFPA 275 or when tested and in compliance of NFPA 286.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify work within construction spaces or crevices is complete prior to insulation application.
- B. Verify that surfaces are clean, dry, and free of matter that may inhibit insulation or overcoat adhesion.

3.02 PREPARATION

- A. Mask and protect adjacent surfaces from over spray or dusting.
- B. Apply primer in accordance with manufacturer's instructions.

3.03 APPLICATION

- A. Apply insulation in accordance with manufacturer's instructions.
- B. Apply insulation by spray method, to a uniform monolithic density without voids.
- C. Apply to achieve a thermal resistance R-value of ____.
- D. Apply protective coating monolithically, without voids, to fully cover foam insulation, to achieve fire rating required.
- E. Patch damaged areas.
- F. Where applied to voids and gaps assure space for expansion to avoid pressure on adjacent materials that may bind operable parts.
- G. Trim excess away for applied trim or remove as required for continuous sealant bead.

3.04 FIELD QUALITY CONTROL

- A. Field inspections and tests will be performed by an independent testing agency.
- B. Inspection will include verification of insulation and protective coating thickness and density.
 - C. Coordination of ABAA Tests and Inspections:
 - 1. Provide testing and inspection required by ABAA QAP.
 - 2. Notify in ABAA writing of schedule for air barrier work. Allow adequate time for testing and inspection.
 - 3. Cooperate with ABAA testing agency.
 - 4. Allow access to air barrier work areas and staging.
 - D. Do not cover air barrier work until tested, inspected, and accepted.

3.05 PROTECTION

- A. Do not permit subsequent construction work to disturb applied insulation.

END OF SECTION

SECTION 07 26 00

VAPOR RETARDERS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Vapor retarders.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Section 07 21 19 - Foamed-In-Place Insulation.

1.03 REFERENCE STANDARDS

- A. ASTM D4397 - Standard Specification for Polyethylene Sheeting for Construction, Industrial, and Agricultural Applications; 2016.
- B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2020.
- C. ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials; 2016.
- D. UL 723 - Standard for Test for Surface Burning Characteristics of Building Materials; Current Edition, Including All Revisions.

1.04 SUBMITTALS

- A. Product Data: Provide data on material characteristics, performance criteria, and limitations.
- B. Shop Drawings: Provide drawings of special joint conditions.
- C. Manufacturer's Installation Instructions: Indicate preparation, installation methods, and storage and handling criteria.

PART 2 PRODUCTS

2.01 VAPOR RETARDERS

- A. Vapor Retarder Sheet: Polyethylene sheeting complying with ASTM D4397; reinforced with glass fiber square mesh, clear colored.
 - 1. Thickness: 10 mil, 0.010 inch, nominal.
 - 2. Water Vapor Permeance: 0.1 perm, maximum, when tested in accordance with ASTM E96/E96M.
 - 3. Seam and Perimeter Tape: Polyethylene self-adhering type, mesh reinforced, 2 inches wide; compatible with sheet material.
- B. Vapor Retarder Sheet, Fire-retardant type in return-air plenum spaces and where not enclosed within a gypsum wallboard assembly.
 - 1. Surface Burning Characteristics: Flame spread/smoke developed index of 25/50, maximum, when tested in accordance with ASTM E84 or UL 723.

2.02 ACCESSORIES

- A. Sealants, Tapes, and Accessories for Sealing Vapor Retarder and Adjacent Substrates: As indicated, complying with vapor retarder manufacturer's installation instructions. Match fire retardant characteristics of vapor retarder sheets to which attached.
- B. Fasteners: Pancake-head, self-tapping steel drill screws; with fender washers.

PART 3 EXECUTION

3.01 PREPARATION

- A. Remove projections, protruding fasteners, and loose or foreign matter that might interfere with proper installation.

3.02 INSTALLATION

- A. Install materials in accordance with manufacturer's installation instructions.
- B. Vapor Retarders: Install continuous airtight barrier over surfaces indicated, with sealed seams and sealed joints to adjacent surfaces.
- C. Apply sealants and adhesives within recommended temperature range in accordance with manufacturer's installation instructions.

3.03 PROTECTION

- A. Do not leave materials exposed to weather longer than recommended by manufacturer.

END OF SECTION

SECTION 07 84 00

FIRESTOPPING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Firestopping systems.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Section 09 91 23 - Interior Painting: For Marking and Identification as required by this section.

1.03 REFERENCE STANDARDS

- A. ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials; 2019.
- B. ASTM E814 - Standard Test Method for Fire Tests of Penetration Firestop Systems; 2013a (Reapproved 2017).
- C. ASTM E2174 - Standard Practice for On-Site Inspection of Installed Firestop Systems; 2020a.
- D. ASTM E2393 - Standard Practice for On-Site Inspection of Installed Fire Resistive Joint Systems and Perimeter Fire Barriers; 2020a.
- E. ITS (DIR) - Directory of Listed Products; current edition.
- F. FM (AG) - FM Approval Guide; current edition.
- G. SCAQMD 1168 - Adhesive and Sealant Applications; 1989 (Amended 2017).

- H. UL 1479 - Standard for Fire Tests of Penetration Firestops; Current Edition, Including All Revisions.
- I. UL (FRD) - Fire Resistance Directory; Current Edition.

1.04 SUBMITTALS

- A. Schedule of Firestopping: List each type of penetration, fire rating of the penetrated assembly, and firestopping test or design number.
- B. Product Data: Provide data on product characteristics, performance ratings, and limitations.
- C. Manufacturer's Installation Instructions: Indicate preparation and installation instructions.
- D. Installer's qualification statement.

1.05 QUALITY ASSURANCE

- A. Fire Testing: Provide firestopping assemblies of designs that provide the scheduled fire ratings when tested in accordance with methods indicated.
 - 1. Listing in UL (FRD), FM (AG), or ITS (DIR) will be considered as constituting an acceptable test report.
 - 2. Valid evaluation report published by ICC Evaluation Service, Inc. (ICC-ES) at www.icc-es.org will be considered as constituting an acceptable test report.

1.06 FIELD CONDITIONS

- A. Comply with firestopping manufacturer's recommendations for temperature and conditions during and after installation; maintain minimum temperature before, during, and for three days after installation of materials.
- B. Provide ventilation in areas where solvent-cured materials are being installed.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Firestopping Manufacturers:
 - 1. Specified Technologies Inc: www.stifirestop.com/#sle.
 - 2. Or approved substitution.

2.02 MATERIALS

- A. Firestopping Materials: Any materials meeting requirements.
- B. Volatile Organic Compound (VOC) Content: Provide products having VOC content lower than that required by SCAQMD 1168.
- C. Primers, Sleeves, Forms, Insulation, Packing, Stuffing, and Accessories: Provide type of materials as required for tested firestopping assembly.
- D. Fire Ratings: Refer to drawings for required systems and ratings.

2.03 FIRESTOPPING SYSTEMS

- A. Firestopping: Any material meeting requirements.
 - 1. Fire Ratings: Use system that is listed by FM (AG), ITS (DIR), or UL (FRD) and tested in accordance with ASTM E814, ASTM E119, or UL 1479 with F Rating equal to fire rating of penetrated assembly and minimum T Rating Equal to F Rating and in compliance with other specified requirements.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify openings are ready to receive the work of this section.

3.02 PREPARATION

- A. Clean substrate surfaces of dirt, dust, grease, oil, loose material, or other materials that could adversely affect bond of firestopping material.
- B. Remove incompatible materials that could adversely affect bond.

3.03 INSTALLATION

- A. Install materials in manner described in fire test report and in accordance with manufacturer's instructions, completely closing openings.

3.04 FIELD QUALITY CONTROL

- A. Independent Testing Agency: Inspection agency employed and paid by Owner, will examine penetration firestopping in accordance with ASTM E2174 and ASTM E2393.
- B. Repair or replace penetration firestopping and joints at locations where inspection results indicate firestopping or joints do not meet specified requirements.

3.05 MARKING AND IDENTIFICATION

- A. On wall required to have protected openings or penetrations, provide a permanent identification in the accessible concealed space as follows:
 - 1. Location: Within 15 feet of the end of each wall and at intervals of 30 feet, measured horizontally.
 - 2. Lettering: 3 inches in height. 3/8 inch stroke. Contrasting color from background.
 - 3. Text: FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS.

3.06 CLEANING

- A. Clean adjacent surfaces of firestopping materials.

3.07 PROTECTION

- A. Protect adjacent surfaces from damage by material installation.

END OF SECTION

SECTION 07 92 00

JOINT SEALANTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Nonsag gunnable joint sealants.
- B. Joint backings and accessories.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Section 06 20 00 - Finish Carpentry



ALASKA COURT SYSTEM
**KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES**
KOTZEBUE, ALASKA

CONSULTANT:

REVISION	DESCRIPTION	DATE

PROJECT NO:	20-102
DATE:	2023-05-01
DRAWN BY:	DN
CHECKED BY:	LK

SPECIFICATIONS
A004

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102_ACS_Kotzebue_CH120-102_ACS_KOTZ CH-A-Model.rvt

5/2/2023 9:41:23 AM

- C. Section 06 41 00 - Architectural Wood Casework.
- D. Section 09 21 16 - Gypsum Board Assemblies: Sealing acoustical and sound-rated walls and ceilings.
- E. Section 09 30 00 - Tiling: Sealant between tile and plumbing fixtures and at junctions with other materials and changes in plane.
- F. Section 09 65 00 - Resilient Flooring: Sealant at junctions with other materials and changes in plane.
- G. Section 09 72 00 - Wall Coverings: Sealant at in-plane joints of graphic rigid wall protection and at junctions of wall coverings with other materials and changes in plane.
- H. Section 12 36 00 - Countertops: Sealant at joints between countertops and plumbing fixtures, countertops and back/end splashes, and back/end splashes and adjacent construction.

1.03 REFERENCE STANDARDS

- A. ASTM C661 - Standard Test Method for Indentation Hardness of Elastomeric-Type Sealants by Means of a Durometer; 2015.
- B. ASTM C834 - Standard Specification for Latex Sealants; 2017.
- C. ASTM C919 - Standard Practice for Use of Sealants in Acoustical Applications; 2018.
- D. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2018.
- E. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2016.
- F. ASTM C1248 - Standard Test Method for Staining of Porous Substrate by Joint Sealants; 2018.
- G. ASTM C1311 - Standard Specification for Solvent Release Sealants; 2014.
- H. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; 2009 (Reapproved 2016).

1.04 SUBMITTALS

- A. Product Data: Submit manufacturer's technical datasheets for each product to be used; include the following:
 - 1. Physical characteristics, including movement capability, VOC content, hardness, cure time, and color availability.
 - 2. List of backing materials approved for use with the specific product.
 - 3. Substrates that product is known to satisfactorily adhere to and with which it is compatible.
 - 4. Substrates the product should not be used on.
 - 5. Substrates for which use of primer is required.
 - 6. Installation instructions, including precautions, limitations, and recommended backing materials and tools.
 - 7. Sample product warranty.
- B. Product Data for Accessory Products: Submit manufacturer's technical data sheet for each product to be used, including physical characteristics, installation instructions, and recommended tools.
- C. Color Cards for Selection: Where standard color is not specified, submit manufacturer's color cards showing standard colors available for selection.
- D. Third-party certified Health Product Declaration and/or Environmental Product Declaration, if available.
- E. Executed warranty.

1.05 WARRANTY

- A. Manufacturer Warranty: Provide 2-year manufacturer warranty for installed sealants and accessories that fail to achieve a watertight seal, exhibit loss of adhesion or cohesion, or do not cure. Complete forms in Owner's name and register with manufacturer.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Nonsag Sealants:
 - 1. Bostik Inc: www.bostik-us.com/#sle.
 - 2. Dow: www.dow.com/#sle.
 - 3. Henry Company: www.henry.com/#sle.
 - 4. Hilti, Inc: www.hilti.com/#sle.
 - 5. Pecora Corporation: www.pecora.com/#sle.
 - 6. Sika Corporation: www.usa.sika.com/#sle.
 - 7. Tremco Commercial Sealants & Waterproofing: www.tremcosealants.com/#sle.
 - 8. W.R. Meadows, Inc: www.wrmeadows.com/#sle.

2.02 JOINT SEALANT APPLICATIONS

- A. Scope:
 - 1. Exterior Joints: Use non-sag non-staining silicone sealant, unless otherwise indicated.
 - a. Joints between sheet metal fabrications and exterior metal panel: Butyl rubber, non-curing.
 - 2. Interior Joints: Do not seal interior joints unless specifically indicated to be sealed. Interior joints to be sealed include, but are not limited to, the following items.
 - a. Joints between door, window, and other frames and adjacent construction, including joints between door frames and resilient or concrete flooring.
 - b. In sound-rated wall and ceiling assemblies, gaps at electrical outlets, wiring devices, piping, and other openings; between wall/ceiling and other construction; and other flanking sound paths.
 - c. Other joints indicated below.
 - 3. Do not seal the following types of joints:
 - a. Joints indicated to be treated with manufactured expansion joint cover, or some other type of sealing device.
 - b. Joints where sealant is specified to be provided by manufacturer of product to be sealed.
 - c. Joints where installation of sealant is specified in another section.
 - d. Joints between suspended panel ceilings/grid and walls.
- B. Interior Joints: Use nonsag silicone sealant, unless otherwise indicated.
 - 1. Wall and Ceiling Joints in Nonwet Areas: Acrylic emulsion latex sealant.

- 2. Wall and Ceiling Joints in Wet Areas: Nonsag polyurethane sealant for continuous liquid immersion.
- 3. Floor Joints in Wet Areas: Nonsag polyurethane traffic-grade sealant suitable for continuous liquid immersion.
- 4. Joints between Tile in Wet Areas and Floors, Walls, and Ceilings: Mildew-resistant silicone sealant; color as selected by Architect for compatibility with tile and grout colors.
- 5. In Sound-Rated Assemblies: Acrylic emulsion latex sealant.

- C. Interior Wet Areas: restrooms and janitor closets; fixtures in wet areas include plumbing fixtures, countertops, cabinets, and other similar items.
- D. Sound-Rated Assemblies: Walls and ceilings identified as STC-rated, sound-rated, or acoustical.

2.03 JOINT SEALANTS - GENERAL

- A. Sealants and Primers: Provide products with acceptable levels of volatile organic compound (VOC) content; see Division 01 Sections for VOC content restrictions and air quality requirements.
- B. Colors: As selected by the Architect from the full range of the manufacturer's standard colors.

2.04 NONSAG JOINT SEALANTS

- A. Nonstaining Silicone Sealant: ASTM C920, Grade NS, Uses M and A; not expected to withstand continuous water immersion or traffic.
 - 1. Movement Capability: Plus and minus 50 percent, minimum.
 - 2. Nonstaining to Porous Stone: Nonstaining to light-colored natural stone when tested in accordance with ASTM C1248.
 - 3. Dirt Pick-Up: Reduced dirt pick-up compared to other silicone sealants.
- B. Mildew-Resistant Silicone Sealant: ASTM C920, Grade NS, Uses M and A; single component, mildew resistant; not expected to withstand continuous water immersion or traffic.
 - 1. Locations: Casework, tiling, flooring.
 - 2. Color: As selected by the Architect from the manufacturer's full range of standard colors.
- C. Polyurethane Sealant for Continuous Water Immersion: ASTM C920, Grade NS, Uses M and A; single component; explicitly approved by manufacturer for continuous water immersion; suitable for traffic exposure when recessed below traffic surface.
 - 1. Movement Capability: Plus and minus 35 percent, minimum.
 - 2. Color: To be selected by Architect from manufacturer's standard range.
- D. Nonsag Traffic-Grade Polyurethane Sealant: ASTM C920, Grade NS, Uses M and A; single or multi-component; explicitly approved by manufacturer for continuous water immersion and traffic without the necessity to recess sealant below traffic surface.
 - 1. Movement Capability: Plus and minus 25 percent, minimum.
 - 2. Hardness Range: 40 to 50, Shore A, when tested in accordance with ASTM C661.
 - 3. Color: To be selected by Architect from manufacturer's standard range.
- E. Acrylic Emulsion Latex: Water-based; ASTM C834, single component, nonstaining, nonbleeding, nonsagging; not intended for exterior use.
 - 1. Product effectively reduces airborne sound transmission through perimeter joints and openings in building construction as demonstrated by testing representative assemblies in accordance with ASTM E90.
 - 2. Color: To be selected by Architect from manufacturer's standard range.
 - 3. Grade: ASTM C834; Grade 0 Degrees F (Minus 18 Degrees C).

2.05 ACCESSORIES

- A. Backer Rod: Cylindrical cellular foam rod with surface that sealant will not adhere to, compatible with specific sealant used, and recommended by backing and sealant manufacturers for specific application.
- B. Backing Tape: Self-adhesive polyethylene tape with surface that sealant will not adhere to and recommended by tape and sealant manufacturers for specific application.
- C. Masking Tape: Self-adhesive, nonabsorbent, nonstaining, removable without adhesive residue, and compatible with surfaces adjacent to joints and sealants.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that joints are ready to receive work.
- B. Verify that backing materials are compatible with sealants.
- C. Verify that backer rods are of the correct size.

3.02 PREPARATION

- A. Remove loose materials and foreign matter that could impair adhesion of sealant.
- B. Clean joints, and prime as necessary, in accordance with manufacturer's instructions.
- C. Perform preparation in accordance with manufacturer's instructions and ASTM C1193.
- D. Mask elements and surfaces adjacent to joints from damage and disfigurement due to sealant work; be aware that sealant drips and smears may not be completely removable.

3.03 INSTALLATION

- A. Install this work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
- B. Provide joint sealant installations complying with ASTM C1193.
- C. Install acoustical sealant application work in accordance with ASTM C919.
- D. Install bond breaker backing tape where backer rod cannot be used.
- E. Install sealant free of air pockets, foreign embedded matter, ridges, and sags, and without getting sealant on adjacent surfaces.

- F. Do not install sealant when ambient temperature is outside manufacturer's recommended temperature range, or will be outside that range during the entire curing period, unless manufacturer's approval is obtained and instructions are followed.
- G. Nonsag Sealants: Tool surface concave, unless otherwise indicated; remove masking tape immediately after tooling sealant surface.

3.04 FIELD QUALITY CONTROL

- A. Perform field quality control inspection/testing as specified in PART 1 under QUALITY ASSURANCE article.
- B. Remove and replace failed portions of sealants using same materials and procedures as indicated for original installation.

END OF SECTION

SECTION 08 11 13

HOLLOW METAL DOORS AND FRAMES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Non-fire-rated hollow metal doors and frames.
- B. Hollow metal frames for wood doors.
- C. Fire-rated hollow metal doors and frames.
- D. Hollow metal borrowed lites glazing frames.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Section 07 92 00 - Joint Sealants: Sealants around door frames.
- C. Section 08 14 16 - Flush Wood Doors: Wood doors installed in hollow metal frames.
- D. Section 08 71 00 - Door Hardware.
- E. Section 08 80 00 - Glazing: Glass for doors and borrowed lites.
- F. Section 09 91 23 - Interior Painting: Field painting.

1.03 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- B. ANSI/SDI A250.4 - Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors; 2011.
- C. ANSI/SDI A250.6 - Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames; 2003 (R2009).
- D. ANSI/SDI A250.8 - Specifications for Standard Steel Doors and Frames (SDI-100); 2017.
- E. ANSI/SDI A250.10 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames; 2011.
- F. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2019a.
- G. ASTM A1008/A1008M - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable; 2018.
- H. ASTM A1011/A1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength; 2018a.
- I. BHMA A156.115 - American National Standard for Hardware Preparation in Steel Doors and Steel Frames; 2016.
- J. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.
- K. NAAMM HMMA 830 - Hardware Selection for Hollow Metal Doors and Frames; 2002.
- L. NAAMM HMMA 831 - Hardware Locations for Hollow Metal Doors and Frames; 2011.
- M. NAAMM HMMA 840 - Guide Specifications For Receipt, Storage and Installation of Hollow Metal Doors and Frames; 2007.
- N. NAAMM HMMA 850 - Fire-Protection and Smoke Control Rated Hollow Metal Door and Frame Products; 2014.
- O. NAAMM HMMA 861 - Guide Specifications for Commercial Hollow Metal Doors and Frames; 2014.
- P. NFPA 80 - Standard for Fire Doors and Other Opening Protectives; 2019.
- Q. NFPA 105 - Standard for Smoke Door Assemblies and Other Opening Protectives; 2019.
- R. SDI 117 - Manufacturing Tolerances for Standard Steel Doors and Frames; 2013.

1.04 SUBMITTALS

- A. Product Data: Materials and details of design and construction, hardware locations, reinforcement type and locations, anchorage and fastening methods, and finishes.
- B. Third-party certified Health Product Declaration and/or Environmental Product Declaration and/or Declare® Label(s) for each product indicated, if available.
- C. Shop Drawings: Details of each opening, showing elevations, glazing, frame profiles, and any indicated finish requirements.
- D. Installation Instructions: Manufacturer's published instructions, including any special installation instructions relating to this project.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Provide hollow metal doors and frames from SDI Certified manufacturer: <https://steeldoor.org/sdi-certified/#sle>.
- B. Maintain at project site copies of reference standards relating to installation of products specified.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Comply with NAAMM HMMA 840 or ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.
- B. Protect with resilient packaging; avoid humidity build-up under coverings; prevent corrosion and adverse effects on factory applied painted finish.

PART 2 PRODUCTS

2.01 PERFORMANCE REQUIREMENTS

- A. Requirements for Hollow Metal Doors and Frames:
 - 1. Steel Sheet: Comply with one or more of the following requirements; galvannealed steel complying with ASTM A653/A653M, cold-rolled steel complying with ASTM A1008/A1008M, or hot-rolled pickled and oiled (HRPO) steel complying with ASTM A1011/A1011M, commercial steel (CS) Type B, for each.
 - 2. Accessibility: Comply with ICC A117.1 and ADA Standards.
 - 3. Door Edge Profile: Manufacturers standard for application indicated.
 - 4. Typical Door Face Sheets: Flush.
 - 5. Glazed Lights: Non-removable stops on non-secure side; sizes and configurations as indicated on drawings. Style: Manufacturer's standard.
 - 6. Hardware Preparations, Selections and Locations: Comply with NAAMM HMMA 830 and NAAMM HMMA 831 or BHMA A156.115 and ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.
- B. Combined Requirements: If a particular door and frame unit is indicated to comply with more than one type of requirement, comply with the specified requirements for each type; for instance, an exterior door that is also indicated as being sound-rated must comply with the requirements specified for exterior doors and for sound-rated doors; where two requirements conflict, comply with the most stringent.

2.02 HOLLOW METAL FRAMES

- A. Comply with standards and/or custom guidelines as indicated for corresponding door in accordance with applicable door frame requirements.
- B. Frame Finish: Factory primed and field finished.
- C. Interior Door Frames, Non-Fire Rated: Face welded type.
 - 1. Based on SDI Standards: ANSI/SDI A250.8 (SDI-100).
 - a. Level 2 - Heavy-duty.
 - b. Physical Performance Level B, 500,000 cycles; in accordance with ANSI/SDI A250.4.
 - 2. Frame Metal Thickness: 16 gauge, 0.053 inch, minimum.
- D. Door Frames, Fire-Rated: Face welded type.
 - 1. Fire Rating: Same as door, labeled.
 - 2. Provide units listed and labeled by ITS (DIR) or UL (DIR).
 - a. Attach fire rating label to each fire rated unit.
 - 3. Based on SDI Standards: ANSI/SDI A250.8 (SDI-100).
 - a. Level 2 - Heavy-duty.
 - b. Physical Performance Level B, 500,000 cycles; in accordance with ANSI/SDI A250.4.
- E. Frames for Wood Doors: Comply with frame requirements in accordance with corresponding door.
- F. Borrowed Lites Glazing Frames: Construction and face dimensions to match door frames, and as indicated on drawings.
- G. Frames Wider than 48 inches: Reinforce with steel channel fitted tightly into frame head, flush with top.

2.03 FINISHES

- A. Primer: Rust-inhibiting, complying with ANSI/SDI A250.10, door manufacturer's standard.

2.04 ACCESSORIES

- A. Glazing: As specified in Section 08 80 00.
- B. Silencers: Resilient rubber, fitted into drilled hole; provide three on strike side of single door, three on center mullion of pairs, and two on head of pairs without center mullions.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Verify that finished walls are in plane to ensure proper door alignment.

3.02 INSTALLATION

- A. Install doors and frames in accordance with manufacturer's instructions and related requirements of specified door and frame standards or custom guidelines indicated.
- B. Install fire rated units in accordance with NFPA 80.
- C. Coordinate frame anchor placement with wall construction.
- D. Install door hardware as specified in Section 08 71 00.
 - 1. Comply with recommended practice for hardware placement of doors and frames in accordance with ANSI/SDI A250.6 or NAAMM HMMA 861.
- E. Comply with glazing installation requirements of Section 08 80 00.
- F. Coordinate installation of electrical connections to electrical hardware items.

3.03 TOLERANCES

- A. Clearances Between Door and Frame: Comply with related requirements of specified frame standards or custom guidelines indicated in accordance with SDI 117 or NAAMM HMMA 861.
- B. Maximum Diagonal Distortion: 1/16 inch measured with straight edge, corner to corner.

3.04 ADJUSTING

- A. Adjust for smooth and balanced door movement.

END OF SECTION



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA

CONSULTANT:

PROJECT NO:	20-102	
DATE:	2023-05-01	
DRAWN BY:	DN	
CHECKED BY:	LK	
REVISION	DESCRIPTION	DATE

SPECIFICATIONS
A005

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

5/2/2023 9:41:24 AM Autodesk Docs://20-102_ACS_Kotzebue_CH/20-102_ACS_KOTZ CH-A-Model.rvt

SECTION 08 14 16

FLUSH WOOD DOORS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Flush wood doors; flush and flush glazed configuration; non-rated.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
B. Section 08 11 13 - Hollow Metal Doors and Frames.
C. Section 08 71 00 - Door Hardware.
D. Section 08 80 00 - Glazing.
E. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.
F. NFPA 80 - Standard for Fire Doors and Other Opening Protectives; 2019.
G. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies; Current Edition, Including All Revisions.
H. WDMA I.S. 1A - Interior Architectural Wood Flush Doors; 2013.

1.04 SUBMITTALS

- A. Product Data: Indicate door core materials and construction; veneer species, type and characteristics.
B. Third-party certified Health Product Declaration and/or Environmental Product Declaration and/or Declare@ Label(s) for each product indicated, if available.
C. Shop Drawings: Show doors and frames, elevations, sizes, types, swings, undercuts, beveling, blocking for hardware, factory machining, factory finishing, cutouts for glazing and other details.
D. Samples: Submit two samples of door veneer, 8 by 10 inches in size illustrating wood grain, stain color, and sheen to be sent to both the Owner's Rep in Anchorage and to the Kotzebue Clerk of Courts.
E. Test Reports: Show compliance with specified requirements for the following:
1. Sound-retardant doors and frames; sealed panel tests are not acceptable.
F. Manufacturer's Installation Instructions: Indicate special installation instructions.
G. Warranty, executed in Owner's name.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section, with not less than three years of documented experience.
B. Installer Qualifications: Company specializing in performing work of the type specified in this section, with not less than three years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Package, deliver and store doors in accordance with specified quality standard.
B. Accept doors on site in manufacturer's packaging, and inspect for damage.
C. Protect doors with resilient packaging sealed with heat shrunk plastic; do not store in damp or wet areas or areas where sunlight might bleach veneer; seal top and bottom edges if stored more than one week, and break seal on site to permit ventilation.

1.07 WARRANTY

- A. Manufacturer Warranty: Provide manufacturer's warranty on interior doors for 2 years. Complete forms in Owner's name and register with manufacturer.
1. Include coverage for delamination of veneer, warping beyond specified installation tolerances, defective materials, and telegraphing core construction.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Wood Veneer Faced Doors:
1. Masonite Architectural: www.architectural.masonite.com/#sle.
2. VT Industries, Inc: www.vtindustries.com/#sle.

2.02 DOORS

- A. Doors: See drawings for locations and additional requirements.
1. Quality Standard: Premium Grade, Heavy Duty performance, in accordance with AWI/AWMAC/WI (AWS), unless noted otherwise.
2. Wood Veneer Faced Doors: 5-ply unless otherwise indicated.
B. Interior Doors: 1-3/4 inches thick unless otherwise indicated; flush construction.
1. Provide solid core doors at each location.
2. Fire Rated Doors: Tested to ratings indicated on drawings in accordance with UL 10C - Positive Pressure; Underwriters Laboratories Inc (UL) labeled without any visible seals when door is open.
3. Wood veneer facing with factory transparent finish as indicated on drawings.

2.03 DOOR AND PANEL CORES

- A. Non-Rated Solid Core and 20 Minute Rated Doors: Type particleboard core (PC), plies and faces as indicated.
B. Fire-Rated Doors: Mineral core type, with fire resistant composite core (FD), plies and faces as indicated above; with core blocking as required to provide adequate anchorage of hardware without through-bolting.

- C. Sound-Rated Doors: Equivalent to type, with particleboard core (PC) construction as required to achieve STC rating specified; plies and faces as indicated above.

2.04 DOOR FACINGS

- A. Veneer Facing for Transparent Finish: White oak, veneer grade in accordance with quality standard indicated, plain sliced (flat cut), with book match between leaves of veneer, balance match of spliced veneer leaves assembled on door or panel face.
1. Vertical Edges: Same species as face veneer.
2. "Running Match" each pair of doors and doors in close proximity to each other.

2.05 DOOR CONSTRUCTION

- A. Fabricate doors in accordance with door quality standard specified.
B. Cores Constructed with stiles and rails:
1. Provide solid blocks at lock edge for hardware reinforcement.
2. Provide solid blocking for other throughbolted hardware.
C. Where supplementary protective edge trim is required, install trim after veneer facing has been applied full-width.
D. Glazed Openings: Non-removable stops on non-secure side; sizes and configurations as indicated on drawings.
E. Factory machine doors for hardware other than surface-mounted hardware, in accordance with hardware requirements and dimensions.
F. Factory fit doors for frame opening dimensions identified on shop drawings, with edge clearances in accordance with specified quality standard.
G. Provide edge clearances in accordance with the quality standard specified.

2.06 FINISHES - WOOD VENEER DOORS

- A. Finish work in accordance with AWI/AWMAC/WI (AWS), Section 5 - Finishing for grade specified and as follows:
1. Transparent:
a. System - 11, Polyurethane, Catalyzed.
b. Stain: As indicated on drawings.
c. Sheen: Satin.
B. Factory finish doors in accordance with approved sample.
C. Seal door top edge with color sealer to match door facing.
D. Door Hardware: See Section 08 71 00.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
B. Verify that opening sizes and tolerances are acceptable.
C. Do not install doors in frame openings that are not plumb or are out-of-tolerance for size or alignment.

3.02 INSTALLATION

- A. Install doors in accordance with manufacturer's instructions and specified quality standard.
1. Install fire-rated doors in accordance with NFPA 80 requirements.
B. Factory-Finished Doors: Do not field cut or trim; if fit or clearance is not correct, replace door.
C. Use machine tools to cut or drill for hardware.
D. Coordinate installation of doors with installation of frames and hardware.
E. Coordinate installation of glazing.

3.03 TOLERANCES

- A. Comply with specified quality standard for fit and clearance tolerances.
B. Comply with specified quality standard for telegraphing, warp, and squareness.

3.04 ADJUSTING

- A. Adjust doors for smooth and balanced door movement.
B. Adjust closers for full closure.

3.05 SCHEDULE - SEE DRAWINGS

END OF SECTION

SECTION 08 31 00

ACCESS DOORS AND PANELS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Wall- and ceiling-mounted access units.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.03 REFERENCE STANDARDS

- A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2014.

1.04 SUBMITTALS

- A. Product Data: Provide sizes, types, finishes, hardware, scheduled locations, and details of adjoining work.
B. Access Unit Schedule: Provide complete access unit schedule, including types, locations, sizes, and other data pertinent to installation.
C. Manufacturer's Installation Instructions: Indicate installation requirements.
D. Project Record Documents: Record actual locations of each access unit.

PART 2 PRODUCTS

2.01 ACCESS DOORS AND PANELS ASSEMBLIES

2.02 WALL- AND CEILING-MOUNTED ACCESS UNITS

- A. Wall- and Ceiling-Mounted Units: Factory-fabricated door and frame, fully assembled units with corner joints welded, filled and ground flush; square and without rack or warp; coordinate requirements with type of installation assembly being used for each unit.
1. Material: Steel.
2. Door Style: Single thickness with rolled or turned in edges.
3. Frames: 16 gauge, 0.0598 inch, minimum thickness.
4. Single Steel Sheet Door Panels: 1/16 inch, minimum thickness.
5. Steel Finish: Primed.
6. Primed and Factory Finish: Polyester powder coat; color white.
7. Hardware:
a. Hinges for Non-Fire-Rated Units: Concealed, constant force closure spring type.
b. Latch/Lock: Tamperproof tool-operated cam latch.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that rough openings are correctly sized and located.

3.02 INSTALLATION

- A. Install units in accordance with manufacturer's instructions.
B. Install frames plumb and level in openings, and secure units rigidly in place.
C. Position units to provide convenient access to concealed equipment when necessary.

END OF SECTION

SECTION 08 71 00

DOOR HARDWARE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Hardware for wood doors.
B. Hardware for fire-rated doors.
C. Electrically operated and controlled hardware.
D. Weatherstripping and gasketing.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
B. Section 05 52 13 - Pipe and Tube Railings: Gates to receive magnetic hold-open and egress hardware.
C. Section 28 10 00 - Access Control: Electronic access control devices.

1.03 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
B. BHMA A156.18 - American National Standard for Materials and Finishes; 2016.
C. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.
D. ITS (DIR) - Directory of Listed Products; current edition.
E. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
F. NFPA 80 - Standard for Fire Doors and Other Opening Protectives; 2019.
G. NFPA 101 - Life Safety Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
H. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies; 2017.
I. UL (DIR) - Online Certifications Directory; Current Edition.
J. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies; Current Edition, Including All Revisions.

1.04 SUBMITTALS

- A. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project, and includes construction details, material descriptions, finishes, and dimensions and profiles of individual components.
B. Shop Drawings - Door Hardware Schedule: Submit detailed listing that includes each item of hardware to be installed on each door. Use door numbering scheme as included in Contract Documents.
1. Prepared by or under supervision of Architectural Hardware Consultant (AHC).
2. Provide complete description for each door listed.
3. Provide manufacturer name, product names, and catalog numbers; include functions, types, styles, sizes and finishes of each item.
4. Include account of abbreviations and symbols used in schedule.
C. Shop Drawings - Electrified Door Hardware: Submit diagrams for power, signal, and control wiring for electrified door hardware that include details of interface with building safety and security systems. Provide elevations and diagrams for each electrified door opening as follows:
1. Prepared by or under supervision of Architectural Hardware Consultant (AHC) and Electrified Hardware Consultant (EHC).
Elevations: Submit front and back elevations of each door opening showing electrified devices with connections installed and an operations narrative describing how opening operates from either side at any given time.
2. Diagrams: Submit point-to-point wiring diagram that shows each device in door opening system with related colored wire connections to each device.
D. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
E. Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.

- 1. Submit manufacturer's parts lists and templates.
2. Bidding List: List of combinations as furnished.
F. Warranty: Submit manufacturer's warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum three years of documented experience.
B. Installer Qualifications: Company specializing in performing work of the type specified for commercial door hardware with at least three years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Package hardware items individually; label and identify each package with door opening code to match door hardware schedule.

1.07 WARRANTY

- A. Manufacturer's Warranty: Provide warranty against defects in material and workmanship for period indicated. Complete forms in Owner's name and register with manufacturer.
1. Closers: Five years, minimum.
2. Exit Devices: Three years, minimum.
3. Locksets and Cylinders: Three years, minimum.
4. Other Hardware: Two years, minimum.

PART 2 PRODUCTS

2.01 DESIGN AND PERFORMANCE CRITERIA

- A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.
B. Provide individual items of single type, of same model, and by same manufacturer.
C. Provide door hardware products that comply with the following requirements:
1. Applicable provisions of federal, state, and local codes.
2. Accessibility: ADA Standards and ICC A117.1.
3. Applicable provisions of NFPA 101.
4. Fire-Rated Doors: NFPA 80, listed and labeled by qualified testing agency for fire protection ratings indicated, based on testing at positive pressure in accordance with NFPA 252 or UL 10C.
5. Hardware on Fire-Rated Doors: Listed and classified by UL (DIR), ITS (DIR), or testing firm acceptable to authorities having jurisdiction as suitable for application indicated.
6. Products Requiring Electrical Connection: Listed and classified by UL (DIR) as suitable for the purpose specified.
D. Electrically Operated and/or Controlled Hardware: Provide necessary power supplies, power transfer hinges, relays, and interfaces as required for proper operation; provide wiring between hardware and control components and to building power connection in compliance with NFPA 70.
1. See Section 28 10 00 for additional access control system requirements.
E. Fasteners:
1. Provide fasteners of proper type, size, quantity, and finish that comply with commercially recognized standards for proposed applications.
a. Aluminum fasteners are not permitted.
b. Provide phillips flat-head screws with heads finished to match door surface hardware unless otherwise indicated.
2. Fire-Rated Applications: Comply with NFPA 80.
a. Provide wood or machine screws for hinges mortised to doors or frames, strike plates to frames, and closers to doors and frames.
b. Provide steel through bolts for attachment of surface mounted closers, hinges, or exit devices to door panels unless proper door blocking is provided.

2.02 FINISHES

- A. Finishes: Provide door hardware of same finish, unless otherwise indicated.
1. Primary Finish: Match existing; BHMA A156.18.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that doors and frames are ready to receive this work; labeled, fire-rated doors and frames are properly installed, and dimensions are as indicated on shop drawings.
B. Verify that electric power is available to power operated devices and of correct characteristics.

3.02 INSTALLATION

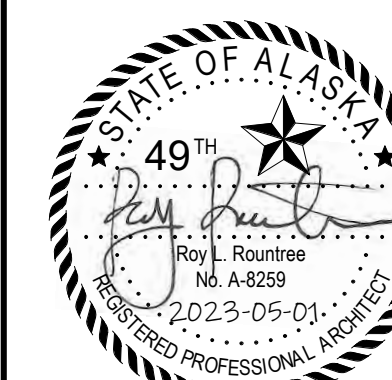
- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
B. Install hardware on fire-rated doors and frames in accordance with applicable codes and NFPA 80.
C. Use templates provided by hardware item manufacturer.
D. Door Hardware Mounting Heights: Distance from finished floor to center line of hardware item. As indicated in following list; unless noted otherwise in Door Hardware Schedule or on drawings.
1. Mounting heights in accordance with ADA and ICC A117.1 accessibility requirements.

3.03 ADJUSTING

- A. Adjust hardware for smooth operation.
B. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.

3.04 CLEANING

- A. Clean finished hardware in accordance with manufacturer's written instructions after final adjustments have been made.
B. Clean adjacent surfaces soiled by hardware installation.
C. Replace items that cannot be cleaned to manufacturer's level of finish quality at no additional cost.



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA
100% CONSTRUCTION DOCUMENTS

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: DN
CHECKED BY: LK

SPECIFICATIONS
A006

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102-ACS Kotzebue CH/20-102-ACS KOTZ CH-A-Model.rvt

5/2/2023 9:41:26 AM

3.05 PROTECTION
A. Do not permit adjacent work to damage hardware or finish.

3.06 HARDWARE GROUPS

LOCKSET BASIS OF DESIGN

EXIT DEVICE | VON DUPRIN 98/99 SERIES PULL SIDE CIPHER LOCK SET
CIPHER LOCKSET | SIMPLEX | E-PLEX 2000 SERIES US 26U
CYLINDRICAL LOCKSET | SAME OR SIM IN APPEARANCE TO EXISTING

THRESHOLDS

PROVIDE PEMKO THRESHOLD TO ADDRESS VARIED FINISHED FLOOR HEIGHTS AS INDICATED

HW-1

PUSH SIDE :PASSAGE
PULL SIDE: PASSAGE
1.5 PR HINGE IVES 5BB1
1 CLOSER LCN 4010T SERIES
1 WALL STOP ROCKWOOD 401 X 26D
1 DEADBOLT CW DL3212 X 626 CL7
1 KEYED BOTH SIDES
1 SILENCERS ROCKWOOD 609
1 KICKPLATE ROCKWOOD K1050 4" HIGH
1 PUSH PLATE ROCKWOOD TBD
1 ESCUTCHEON PLATE ROCKWOOD TBD
1 PULL TBD

HW-2

PUSH SIDE: PUSH PLATE
PULL SIDE: PULL WITH ESCUTCHEON PLATE
1.5 PR HINGE IVES 5BB1
1 CLOSER LCN 4010T SERIES
1 WALL STOP ROCKWOOD 401 X 26D
1 SILENCERS ROCKWOOD 609
1 KICKPLATE ROCKWOOD K1050 4" HIGH
1 PUSH PLATE ROCKWOOD TBD
1 ESCUTCHEON PLATE ROCKWOOD TBD
1 PULL TBD

HW-3

PUSH SIDE: CIPHER WITH KEY OVERRIDE, STOREROOM
PULL SIDE: PASSAGE
1.5 PR HINGE IVES 5BB1
1 WALL STOP ROCKWOOD 401 X 26D
1 SILENCERS ROCKWOOD 609
1 LOCKSET MATCH EXISTING

HW-4

STOREROOM
1.5 PR HINGE IVES 5BB1
1 SILENCERS ROCKWOOD 609
1 LOCKSET MATCH EXISTING

HW-5

PUSH SIDE: CIPHER W/ KEY OVERRIDE, STOREROOM
PULL SIDE: PASSAGE
1.5 PR HINGE IVES 5BB1
1 CLOSER LCN 4010T SERIES
1 WALL STOP ROCKWOOD 401 X 26D
1 THRESHOLD PEMKO TBD
1 MORTISE AUTO DROP PEMKO STC411CPK
1 BOTTOM
1 WEATHER STRIP PEMKO 379_R
1 ACOUSTIC PAD PEMKO ACL
1 LOCKSET MATCH EXISTING

HW-6

PUSH SIDE: EXIT DEVICE WITH MAG HOLD
PULL SIDE: TRIM IT WITH CLASSROOM
1.5 PR HINGE IVES 5BB1
1 CLOSER LCN 4010T SERIES
1 SILENCERS ROCKWOOD 609
1 KICKPLATE ROCKWOOD K1050 4" HIGH
1 MAG HOLD OPEN TBD
1 LOCKSET MATCH EXISTING

HW-7

PUSH SIDE: PASSAGE
PULL SIDE: PRIVACY WITH OCCUPANCY INDICATOR
1.5PR HINGE IVES 5BB1
1 CLOSER LCN 4010T SERIES
1 WALL STOP ROCKWOOD 401 X 26D
1 MORTISE AUTO DROP PEMKO STC411CPK
1 BOTTOM
1 WEATHER STRIP PEMKO 379_R
1 ACOUSTIC PAD PEMKO ACL
1 KICKPLATE ROCKWOOD K1050 4" HIGH
1 LOCKSET MATCH EXISTING
1 WITH INDICATOR

HW-8

PUSH SIDE: PASSAGE
PULL SIDE: PASSAGE
1.5PR HINGE IVES 5BB1
1 CLOSER LCN 4010T SERIES
1 WALL STOP ROCKWOOD 401 X 26D
1 SILENCERS ROCKWOOD 609
1 KICKPLATE ROCKWOOD K1050 4" HIGH
1 LOCKSET MATCH EXISTING

HW-9

PUSH SIDE: CIPHER, STOREROOM
PULL SIDE: PASSAGE
1.5PR HINGE IVES 5BB1
1 CLOSER LCN 4010T SERIES
1 SILENCERS ROCKWOOD 609
1 KICKPLATE ROCKWOOD K1050 4" HIGH
1 LOCKSET MATCH EXISTING

HW-10

PUSH SIDE: PASSAGE
PULL SIDE: CIPHER, STOREROOM
1.5PR HINGE IVES 5BB1
1 CLOSER LCN 4010T SERIES
1 SILENCERS ROCKWOOD 609
1 LOCKSET MATCH EXISTING

HW-11

PUSH SIDE: EXIT DEVICE WITH DOGGING OPEN OPTION
PULL SIDE: TRIM KIT WITH CLASSROOM
1.5PR HINGE IVES 5BB1
1 CLOSER LCN 4010T SERIES
1 THRESHOLD PEMKO TBD
1 MORTISE AUTO DROP PEMKO STC411CPK
1 BOTTOM
1 WEATHERSTRIP PEMKO 379_R
1 ACOUSTIC PAD PEMKO ACL
1 LOCKSET MATCH EXISTING

HW-12

PUSH SIDE: PUSH PLATE
PULL SIDE: PULL WITH ESCUTCHEON PLATE
1.5PR HINGE IVES 5BB1
1 CLOSER LCN 4010T SERIES
1 WEATHERSTRIP PEMKO 379_R
1 PUSH PLATE ROCKWOOD TBD
1 ESCUTCHEON PLATE ROCKWOOD TBD
1 PULL MATCH EXISTING

HW-13

PUSH SIDE: CIPHER WITH KEY OVERRIDE
PULL SIDE: PASSAGE
1.5PR HINGE IVES 5BB1
1 CLOSER LCN 4010T SERIES
1 THRESHOLD PEMKO TBD
1 MORTISE AUTO DROP PEMKO STC411CPK
1 BOTTOM
1 WEATHERSTRIP PEMKO 379_R
1 ACOUSTIC PAD PEMKO ACL
1 LOCKSET MATCH EXISTING

HW-14

PUSH SIDE: PASSAGE
PULL SIDE: PASSAGE
1.5PR HINGE IVES 5BB1
1 CLOSER LCN 4010T SERIES
1 WALL STOP ROCKWOOD 401 X 26D
1 THRESHOLD PEMKO TBD
1 MORTISE AUTO DROP PEMKO STC411CPK
1 BOTTOM
1 WEATHERSTRIP PEMKO 379_R
1 ACOUSTIC PAD PEMKO ACL
1 KICKPLATE ROCKWOOD K1050 4" HIGH
1 LOCKSET MATCH EXISTING

HW-15

PUSH SIDE: CIPHER WITH KEY OVERRIDE
PULL SIDE: PASSAGE
1.5PR HINGE IVES 5BB1
1 CLOSER LCN 4010T SERIES
1 SILENCERS ROCKWOOD 609
1 LOCKSET MATCH EXISTING

HW-16

PUSH SIDE: PASSAGE
PULL SIDE: PASSAGE
1.5PR HINGE IVES 5BB1
1 CLOSER LCN 4010T SERIES
1 SILENCERS ROCKWOOD 609
1 LOCKSET MATCH EXISTING

HW-17

PUSH SIDE: PASSAGE
PULL SIDE: CIPHER WITH KEY OVERRIDE
RE-USE EXISTING HARDWARE, SUPPLEMENT WITH NEW AS REQUIRED TO ACHIEVE INDICATED FUNCTION AND RENDER FULLY OPERATIONAL.
1 LOCKSET MATCH EXISTING

HW-18

PUSH SIDE: EXIT DEVICE
PULL SIDE: CLASSROOM
RE-USE EXISTING HARDWARE, SUPPLEMENT WITH NEW AS REQUIRED TO ACHIEVE INDICATED FUNCTION AND RENDER FULLY OPERATIONAL.

HW-19

PUSH SIDE: EXIT DEVICE
PULL SIDE: PASSAGE
1.5PR HINGE, SELF-CLOSING TYPE, ADJUSTABLE
1 MAG HOLD OPEN TBD
1 LOCKSET MATCH EXISTING

END OF SECTION

SECTION 08 80 00

GLAZING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Insulating glass units.
B. Glazing units.
C. Plastic films.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.03 REFERENCE STANDARDS

- A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials; Current Edition.
B. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test; 2015.
C. ASTM C1036 - Standard Specification for Flat Glass; 2016.
D. ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass; 2014.
E. ASTM E1300 - Standard Practice for Determining Load Resistance of Glass in Buildings; 2016.
F. ASTM F1233 - Standard Test Method for Security Glazing Materials And Systems; 2008 (Reapproved 2019).
G. NFRC 100 - Procedure for Determining Fenestration Product U-factors; 2017.
H. NFRC 200 - Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence; 2014, with Errata (2017).
I. NFRC 300 - Test Method for Determining the Solar Optical Properties of Glazing Materials and Systems; 2017.

1.04 SUBMITTALS

- A. Product Data on Glazing Unit and Plastic Film Glazing Types: Provide structural, physical and environmental characteristics, size limitations, special handling and installation requirements.
B. Verification Samples: Submit samples of glazing film, 12 by 24 inches, to both the Owner's Rep in Anchorage and the Kotzebue Clerk of Courts.
C. Certificate: Certify that products of this section meet or exceed specified requirements.
D. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.05 WARRANTY

- A. Laminated Glass: Provide a five (5) year manufacturer warranty to include coverage for delamination, including providing products to replace failed units.

PART 2 PRODUCTS

2.01 PERFORMANCE REQUIREMENTS - EXTERIOR GLAZING ASSEMBLIES

- A. Provide type and thickness of exterior insulated glazing units to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of glass.
1. Comply with ASTM E1300 for design load resistance of glass type, thickness, dimensions, and maximum lateral deflection of supported glass.
2. Provide insulated glass units that meet all dimensional requirements for installation into existing vinyl windows.
3. New insulated glass units and associated glazing components shall provide a water and weather tight assembly.
B. Thermal and Optical Performance: Provide exterior glazing products with performance properties as indicated. Performance properties are in accordance with manufacturer's published data as determined with the following procedures and/or test methods:
1. Center of Glass U-Value: Comply with NFRC 100 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 6.3 computer program.
2. Center of Glass Solar Heat Gain Coefficient (SHGC): Comply with NFRC 200 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 6.3 computer program.
3. Solar Optical Properties: Comply with NFRC 300 test method.

2.02 GLASS MATERIALS

- A. Float Glass: Provide float glass based glazing unless otherwise indicated.
1. Annealed Type: ASTM C1036, Type I - Transparent Flat, Class 1 - Clear, Quality - Q3.
B. Laminated Glass: Float glass laminated in accordance with ASTM C1172.
1. Laminated Safety Glass: Complies with ANSI Z97.1 - Class B or 16 CFR 1201 - Category I impact test requirements.
2. Heat-Strengthened, Fully-Tempered Glass: Kind FT Transparent Flat, Condition B, ASTM C1048.

2.03 INSULATING GLASS UNITS

- A. Fabricator: Certified by glass manufacturer for type of glass, coating, and treatment involved and capable of providing specified warranty.
B. Insulating Glass Units: Spandrel glazing, double-glazed to match existing glazing unit. Provide safety glazing at units within 24 inches of finished floor.
1. Applications: Exterior spandrel glazing for replacing existing glazing units, where indicated.
2. Space between lites filled with argon.
3. Outboard Lite: Annealed float glass, 1/4 inch thick, minimum.
a. Tint: Match existing glazing.
b. Coating: Low-E (passive type), on #2 surface.
4. Inboard Lite: Heat-strengthened float glass, 1/4 inch thick, typical. Provide fully-tempered glass at units where safety glazing is required.
a. Tint: Clear.
b. Opacifier: Ceramic frit, on #4 surface.
5. Total Thickness: Match existing glazing units.
6. Thermal Transmittance (U-Value), Winter - Full Window: 15, nominal.

2.04 GLAZING UNITS

- A. Type G-3 - Monolithic Safety Glazing: Non-fire-rated.
1. Applications:
a. Glazed lites in doors, except fire doors.
2. Glass Type: Laminated safety safety glass as specified.
3. Tint: Clear.
4. Thickness: 1/4 inch, nominal.
B. Type G-6 - Security Glazing: Laminated glass, 3-Ply.
1. Applications: Clerk Counter service window.
2. Tint: Clear.
3. Thickness: 1-1/4 inch.
4. Outer Lite: 1/8 inch polycarbonate.
5. Interlayer: Safety resin, thickness as required to meet performance criteria.
6. Middle Lite: 1 inch acrylic.
7. Interlayer, Inboard Side : Safety resin, thickness as required to meet performance criteria.
8. Inside Lite: 1/8 inch polycarbonate.
9. Performance Criteria:
a. Bullet Resistance: Pass ASTM F1233 tests in compliance with ballistic criteria class and weapon description indicated; Class HG3 - Handgun-Medium, Jacketed.
10. Glazing Method: 1-1/4" aluminum u-channel frame.

2.05 PLASTIC FILMS

- A. Decorative Plastic Film: Vinyl type.
1. Application: Locations as indicated on drawings.
2. Basis of Design Product: As indicated on Drawings.
3. Manufacturers:
a. Avery Dennison: www.averydennison.com/#sle.
b. Lumar, an Eastman Chemical Company; Decorative Window Film: www.lumar.com/#sle.
c. 3M Fasara: www.3m.com..
d. Solyx IQ: www.decorativefilms.com.

PART 3 EXECUTION

3.01 VERIFICATION OF CONDITIONS

- A. Verify that openings for glazing are correctly sized and within tolerances, including those for size, squareness, and offsets at corners.
B. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and support framing is ready to receive glazing system.

3.02 INSTALLATION, GENERAL

- A. Install glazing in compliance with written instructions of glass, gaskets, and other glazing material manufacturers, unless more stringent requirements are indicated, including those in glazing referenced standards.

3.03 INSTALLATION - PLASTIC FILM

- A. Install plastic film with adhesive, applied in accordance with film manufacturer's instructions.
B. Place without air bubbles, creases or visible distortion.
C. Install film tight to perimeter of glass and carefully trim film with razor sharp knife. Provide 1/16 inch to 1/8 inch gap at perimeter of glazed panel unless otherwise required. Do not score the glass.

3.04 CLEANING

- A. Remove excess glazing materials from finish surfaces immediately after application using solvents or cleaners recommended by manufacturers.
B. Remove nonpermanent labels immediately after glazing installation is complete.
C. Clean glass and adjacent surfaces after sealants are fully cured.
D. Clean glass on both exposed surfaces not more than 4 days prior to Date of Substantial Completion in accordance with glass manufacturer's written recommendations.



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA

CONSULTANT:

Table with columns for REVISION, DESCRIPTION, and DATE. Includes project information: PROJECT NO: 20-102, DATE: 2023-05-01, DRAWN BY: DN, CHECKED BY: LK.

SPECIFICATIONS

A007

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

Autodesk Docs://20-102_ACS_Kotzebue_CH/20-102_ACS_KOTZ CH-A-Model.rvt

5/2/2023 9:41:27 AM

3.05 PROTECTION

- A. After installation, mark pane with an 'X' by using removable plastic tape or paste.
B. Remove and replace glass that is damaged during construction period prior to Date of Substantial Completion.

END OF SECTION

SECTION 09 05 61

COMMON WORK RESULTS FOR FLOORING PREPARATION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. This section applies to floors identified in Contract Documents that are receiving the following types of floor coverings:
1. Resilient tile and sheet.
2. Carpet tile.
3. Thin-set ceramic tile and stone tile.
B. Removal of existing floor coverings.
C. Preparation of existing concrete floor slabs for installation of floor coverings.
D. Testing of concrete floor slabs for moisture and alkalinity (pH).
E. Patching compound.
F. Remedial floor coatings.
G. Preparation of new and existing wood-based floors and subfloors for installation of new floor coverings.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.03 REFERENCE STANDARDS

- A. ASTM C109/C109M - Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens); 2020a.
B. ASTM C472 - Standard Test Methods for Physical Testing of Gypsum, Gypsum Plasters and Gypsum Concrete; 2020.
C. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; 2019, with Editorial Revision (2020).
D. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride; 2016a.
E. ASTM F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes; 2019a.
F. RFCI (RWP) - Recommended Work Practices for Removal of Resilient Floor Coverings; 2011.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate scheduling of cleaning and testing, so that preliminary cleaning has been completed for at least 24 hours prior to testing.

1.05 SUBMITTALS

- A. Visual Observation Report: For existing floor coverings to be removed.
B. Floor Covering and Adhesive Manufacturers' Product Literature: For each specific combination of substrate, floor covering, and adhesive to be used; showing:
1. Moisture and alkalinity (pH) limits and test methods.
2. Manufacturer's required bond/compatibility test procedure.
C. Remedial Materials Product Data: Manufacturer's published data on each product to be used for remediation.
1. Manufacturer's qualification statement.
2. Certificate: Manufacturer's certification of compatibility with types of flooring applied over remedial product.
3. Test reports indicating compliance with specified performance requirements, performed by nationally recognized independent testing agency.
4. Manufacturer's installation instructions.
5. Specimen Warranty: Copy of warranty to be issued by coating manufacturer and certificate of underwriter's coverage of warranty.
D. Testing Agency's Report:
1. Description of areas tested; include floor plans and photographs if helpful.
2. Summary of conditions encountered.
3. Moisture and alkalinity (pH) test reports.
4. Copies of specified test methods.
5. Recommendations for remediation of unsatisfactory surfaces.
6. Product data for recommended remedial coating.
7. Certificate: Include certification of accuracy by authorized official of testing agency.
8. Submit report to Architect.
9. Submit report not more than two business days after conclusion of testing.
E. Adhesive Bond and Compatibility Test Report.
F. Floor Moisture Testing Technician Certificate: International Concrete Repair Institute (ICRI) Concrete Slab Moisture Testing Technician- Grade I certificate.
G. Copy of RFCI (RWP).

1.06 QUALITY ASSURANCE

- A. Moisture and alkalinity (pH) testing shall be performed by an independent testing agency employed and paid by Contractor.
B. Contractor may perform adhesive and bond test with Contractor's own personnel or hire a testing agency.
C. Testing Agency Qualifications: Independent testing agency experienced in the types of testing specified.
1. Submit evidence of experience consisting of at least 3 test reports of the type required, with project Owner's project contact information.

- D. Contractor's Responsibility Relating to Independent Agency Testing:
1. Provide access for and cooperate with testing agency.
2. Confirm date of start of testing at least 10 days prior to actual start.
3. Allow at least 4 business days on site for testing agency activities.
4. Achieve and maintain specified ambient conditions.
5. Notify Architect when specified ambient conditions have been achieved and when testing will start.
E. Floor Moisture Testing Technician Qualifications: International Concrete Repair Institute (ICRI) Concrete Slab Moisture Testing Technician Certification- Grade I.
F. Remedial Coating Installer Qualifications: Company specializing in performing work of the type specified in this section, trained by or employed by coating manufacturer, and able to provide at least 3 project references showing at least 3 years' experience installing moisture emission coatings.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, handle, and protect products in accordance with manufacturer's instructions and recommendations.
B. Deliver materials in manufacturer's packaging; include installation instructions.
C. Keep materials from freezing.

1.08 FIELD CONDITIONS

- A. Maintain ambient temperature in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 65 degrees F or more than 85 degrees F.
B. Maintain relative humidity in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 40 percent and not more than 60 percent.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Patching Compound: Floor covering manufacturer's recommended product, suitable for conditions, and compatible with adhesive and floor covering. In the absence of any recommendation from flooring manufacturer, provide a product with the following characteristics:
1. Cementitious moisture-, mildew-, and alkali-resistant compound, compatible with floor, floor covering, and floor covering adhesive, and capable of being feathered to nothing at edges.
2. Compressive Strength: 3000 psi, minimum, after 28 days, when tested in accordance with ASTM C109/C109M or ASTM C472, whichever is appropriate.
B. Alternate Flooring Adhesive: Floor covering manufacturer's recommended product, suitable for the moisture and pH conditions present; low-VOC. In the absence of any recommendation from flooring manufacturer, provide a product recommended by adhesive manufacturer as suitable for substrate and floor covering and for conditions present.
C. Remedial Floor Coating: Single- or multi-layer coating or coating/overlay combination intended by its manufacturer to resist water vapor transmission to degree sufficient to meet flooring manufacturer's emission limits, resistant to the level of alkalinity (pH) found, and suitable for adhesion of flooring without further treatment.
1. Thickness: As required for application and in accordance with manufacturer's installation instructions.
2. Use product recommended by testing agency.

PART 3 EXECUTION

3.01 CONCRETE SLAB PREPARATION

- A. Perform following operations in the order indicated:
1. Existing concrete slabs (on-grade and elevated) with existing floor coverings:
a. Visual observation of existing floor covering, for adhesion, water damage, alkaline deposits, and other defects.
b. Removal of existing floor covering.
2. Existing concrete slabs with coatings or penetrating sealers/hardeners/dustproofer:
a. Do not attempt to remove coating or penetrating material.
b. Do not abrade surface.
3. Preliminary cleaning.
4. Moisture vapor emission tests; 3 tests in the first 1000 square feet and one test in each additional 1000 square feet, unless otherwise indicated or required by flooring manufacturer.
5. Internal relative humidity tests; in same locations as moisture vapor emission tests, unless otherwise indicated.
6. Alkalinity (pH) tests; in same locations as moisture vapor emission tests, unless otherwise indicated.
7. Specified remediation, if required.
8. Patching, smoothing, and leveling, as required.
9. Other preparation specified.
10. Adhesive bond and compatibility test.
11. Protection.
B. Remediations:
1. Active Water Leaks or Continuing Moisture Migration to Surface of Slab: Correct this condition before doing any other remediation; re-test after correction.
2. Excessive Moisture Emission or Relative Humidity: If an adhesive that is resistant to the level of moisture present is available and acceptable to flooring manufacturer, use that adhesive for installation of the flooring; if not, apply remedial floor coating or remedial sheet membrane over entire suspect floor area.
3. Excessive Alkalinity (pH): If remedial floor coating is necessary to address excessive moisture, no additional remediation is required; if not, if an adhesive that is resistant to the level present is available and acceptable to the flooring manufacturer, use that adhesive for installation of the flooring; otherwise, apply a skim coat of specified patching compound over entire suspect floor area.

3.02 REMOVAL OF EXISTING FLOOR COVERINGS

- A. Comply with local, State, and federal regulations and recommendations of RFCI (RWP), as applicable to floor covering being removed.

- B. Dispose of removed materials in accordance with local, State, and federal regulations and as specified.

3.03 PRELIMINARY CLEANING

- A. Clean floors of dust, solvents, paint, wax, oil, grease, asphalt, residual adhesive, adhesive removers, film-forming curing compounds, sealing compounds, alkaline salts, excessive laitance, mold, mildew, and other materials that might prevent adhesive bond.
B. Do not use solvents or other chemicals for cleaning.

3.04 MOISTURE VAPOR EMISSION TESTING

- A. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.
B. Where this specification conflicts with the referenced test method, comply with the requirements of this section.
C. Test in accordance with ASTM F1869 and as follows.
D. Plastic sheet test and mat bond test may not be substituted for the specified ASTM test method, as those methods do not quantify the moisture content sufficiently.
E. In the event that test values exceed floor covering manufacturer's limits, perform remediation as indicated. In the absence of manufacturer limits, perform remediation if test values exceed 3 pounds per 1000 square feet per 24 hours.
F. Report: Report the information required by the test method.

3.05 INTERNAL RELATIVE HUMIDITY TESTING

- A. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.
B. Where this specification conflicts with the referenced test method, comply with the requirements of this section.
C. Test in accordance with ASTM F2170 Procedure A and as follows.
D. Testing with electrical impedance or resistance apparatus may not be substituted for the specified ASTM test method, as the values determined are not comparable to the ASTM test values and do not quantify the moisture content sufficiently.
E. In the event that test values exceed floor covering manufacturer's limits, perform remediation as indicated. In the absence of manufacturer limits, perform remediation if any test value exceeds 75 percent relative humidity.
F. Report: Report the information required by the test method.

3.06 ALKALINITY TESTING

- A. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.
B. The following procedure is the equivalent of that described in ASTM F710, repeated here for the Contractor's convenience.
1. Use a wide range alkalinity (pH) test paper, its associated chart, and distilled or deionized water.
2. Place several drops of water on a clean surface of concrete, forming a puddle approximately 1 inch in diameter. Allow the puddle to set for approximately 60 seconds, then dip the alkalinity (pH) test paper into the water, remove it, and compare immediately to chart to determine alkalinity (pH) reading.
3. Use of a digital pH meter with probe is acceptable; follow meter manufacturer's instructions.
C. In the event that test values exceed floor covering manufacturer's limits, perform remediation as indicated. In the absence of manufacturer limits, perform remediation if alkalinity (pH) test value is over 10.

3.07 PREPARATION

- A. See individual floor covering section(s) for additional requirements.
B. Comply with requirements and recommendations of floor covering manufacturer.
C. Fill and smooth surface cracks, grooves, depressions, control joints and other non-moving joints, and other irregularities with patching compound.
D. Do not fill expansion joints, isolation joints, or other moving joints.

3.08 ADHESIVE BOND AND COMPATIBILITY TESTING

- A. Comply with requirements and recommendations of floor covering manufacturer.

3.09 APPLICATION OF REMEDIAL FLOOR COATING

- A. Comply with requirements and recommendations of coating manufacturer.

3.10 PROTECTION

- A. Cover prepared floors with building paper or other durable covering.

END OF SECTION

SECTION 09 21 16

GYPSON BOARD ASSEMBLIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Performance criteria for gypsum board assemblies.
B. Acoustic insulation.
C. Cementitious backing board.
D. Gypsum wallboard.
E. Joint treatment and accessories.
F. Acoustic (sound-dampening) wall and ceiling board.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
B. Section 05 40 00 - Cold-Formed Metal Framing: Structural steel stud framing.

- C. Section 07 25 00 - Weather Barriers: Water-resistive barrier over sheathing.
D. Section 07 92 00 - Joint Sealants: Sealing acoustical gaps in construction other than gypsum board or plaster work.
E. Section 09 22 16 - Non-Structural Metal Framing.
F. Section 09 30 00 - Tilings: Tile backing board.

1.03 REFERENCE STANDARDS

- A. ANSI A108.11 - American National Standard Specifications for Interior Installation of Cementitious Backer Units; 2018.
B. ANSI A118.9 - American National Standard Specifications for Test Methods and Specifications for Cementitious Backer Units; 1999 (Reaffirmed 2016).
C. ASTM C475/C475M - Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board; 2017.
D. ASTM C665 - Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing; 2017.
E. ASTM C840 - Standard Specification for Application and Finishing of Gypsum Board; 2019b.
F. ASTM C954 - Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs From 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness; 2018.
G. ASTM C1047 - Standard Specification for Accessories For Gypsum Wallboard and Gypsum Veneer Base; 2019.
H. ASTM C1325 - Standard Specification for Fiber-Mat Reinforced Cementitious Backer Units; 2019.
I. ASTM C1396/C1396M - Standard Specification for Gypsum Board; 2017.
J. ASTM C1629/C1629M - Standard Classification for Abuse-Resistant Nondecorated Interior Gypsum Panel Products and Fiber-Reinforced Cement Panels; 2019.
K. ASTM C1658/C1658M - Standard Specification for Glass Mat Gypsum Panels; 2019.
L. ASTM D3273 - Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber; 2016.
M. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; 2009 (Reapproved 2016).
N. ASTM E413 - Classification for Rating Sound Insulation; 2016.
O. GA-216 - Application and Finishing of Gypsum Panel Products; 2016.
P. UL (FRD) - Fire Resistance Directory; Current Edition.

1.04 SUBMITTALS

- A. Shop Drawings: Indicate special details associated with fireproofing and acoustic seals.
B. Product Data: Provide data on gypsum board, glass mat faced gypsum board, accessories, joint finishing system, and cementitious backer units.
C. Third-party certified Health Product Declaration and/or Environmental Product Declaration and/or Declare@ Label(s) for each product indicated, if available.

PART 2 PRODUCTS

2.01 GYPSON BOARD ASSEMBLIES

- A. Provide completed assemblies complying with ASTM C840 and GA-216.
B. Interior Partitions, Indicated as Sound-Rated: Provide completed assemblies with the following characteristics:
1. Acoustic Attenuation: STC as indicated calculated in accordance with ASTM E413, based on tests conducted in accordance with ASTM E90.
C. Fire-Resistance-Rated Assemblies: Provide completed assemblies in accordance with the citations on the Drawings.
1. UL Assembly Numbers: Provide construction equivalent to that listed for the particular assembly in the current UL (FRD).

2.02 BOARD MATERIALS

- A. Manufacturers - Gypsum-Based Board:
1. American Gypsum Company: www.americangypsum.com/#sle.
2. CertainTeed Corporation: www.certainteed.com/#sle.
3. Georgia-Pacific Gypsum: www.gpgypsum.com/#sle.
4. National Gypsum Company: www.nationalgypsum.com/#sle.
5. USG Corporation: www.usg.com/#sle.
B. Gypsum Wallboard (GYP, MRGYP): Paper-faced gypsum panels as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
1. Application: Use for vertical surfaces and ceilings, unless otherwise indicated.
2. Glass mat faced gypsum panels, as defined in ASTM C1658/C1658M, suitable for paint finish, of the same core type and thickness may be substituted for paper-faced board.
3. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
a. Mold resistant board is required where indicated in Drawings as MRGYP.
4. At Assemblies Indicated with Fire-Resistance Rating: Use type required by indicated tested assembly; if no tested assembly is indicated, use Type X board, UL or WH listed.
5. Thickness:
a. Vertical Surfaces: 5/8 inch.
b. Ceilings: 5/8 inch.
c. Multi-Layer Assemblies: Thicknesses as indicated on drawings.
C. Abuse Resistant Wallboard (ARGYP):
1. Application: High-traffic areas indicated.
2. Surface Abrasion: Level 2, minimum, when tested in accordance with ASTM C1629/C1629M.
3. Indentation: Level 2, minimum, when tested in accordance with ASTM C1629/C1629M.
4. Soft Body Impact: Level 2, minimum, when tested in accordance with ASTM C1629/C1629M.



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA

CONSULTANT:
PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: DN
CHECKED BY: LK

Table with 3 columns: REVISION, DESCRIPTION, DATE. Contains one empty row.

SPECIFICATIONS
A008

CORPORATE NO. AEECC219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102-ACS Kotzebue CH/20-102-ACS KOTZ CH-A-McCord.rvt

5/2/2023 9:41:28 AM

- 5. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
- 6. Paper-Faced Type: Gypsum wallboard, as defined in ASTM C1396/C1396M.
- 7. Glass Mat-Faced Type: Gypsum wallboard, as defined in ASTM C1658/C1658M.
- 8. Type: Fire-resistance-rated Type X, UL or WH listed.
- 9. Thickness: 5/8 inch.
- 10. Edges: Tapered.
- D. Impact Resistant Wallboard (IRGYP):
 - 1. Application: High-traffic areas indicated.
 - 2. Surface Abrasion: Level 3, minimum, when tested in accordance with ASTM C1629/C1629M.
 - 3. Indentation: Level 2, minimum, when tested in accordance with ASTM C1629/C1629M.
 - 4. Soft Body Impact: Level 3, minimum, when tested in accordance with ASTM C1629/C1629M.
 - 5. Hard Body Impact: Level 3, minimum, when tested in accordance with ASTM C1629/C1629M.
 - 6. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
 - 7. Paper-Faced Type: Gypsum wallboard, as defined in ASTM C1396/C1396M.
 - 8. Glass Mat-Faced Type: Gypsum wallboard, as defined in ASTM C1658/C1658M.
 - 9. Type: Fire-resistance-rated Type X, UL or WH listed.
 - 10. Thickness: 5/8 inch.
 - 11. Edges: Tapered.
- E. Backing Board For Wet Areas (CBU):
 - 1. Application: Surfaces behind tile in wet areas including restroom and locker room wainscots.
 - 2. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
 - 3. ANSI Cement-Based Board: Non-gypsum-based; aggregated Portland cement panels with glass fiber mesh embedded in front and back surfaces complying with ANSI A118.9 or ASTM C1325.
 - a. Thickness: 5/8 inch.
- F. Ceiling Board: Special sag resistant gypsum ceiling board as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
 - 1. Application: Ceilings, unless otherwise indicated.
 - 2. Thickness: 5/8 inch.
 - 3. Edges: Tapered.
- G. Acoustical Sound Dampening Wall and Ceiling Board: Two layers of heavy paper-faced, high-density gypsum board separated by a viscoelastic polymer layer and capable of achieving STC rating of 50 or more in typical stud wall assemblies as calculated in accordance with ASTM E413 and when tested in accordance with ASTM E90.
 - 1. Thickness: 5/8 inch.
 - 2. Long Edges: Tapered.
 - 3. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.

2.03 GYPSUM BOARD ACCESSORIES

- A. Acoustic Insulation: ASTM C665; preformed glass fiber, friction fit type, unfaced. Thickness as indicated in Drawings.
- B. Beads, Joint Accessories, and Other Trim: ASTM C1047, rolled zinc, unless noted otherwise.
 - 1. Corner Beads: Low profile, for 90 degree outside corners.
 - 2. Wall Mounted Deflection Beads: Flexible gasket and bead with 1-1/8 inch flange.
 - 3. Expansion Joints:
 - a. Type: Accordion profile with factory-installed protective tape.
- C. Joint Materials: ASTM C475/C475M and as recommended by gypsum board manufacturer for project conditions.
 - 1. Fiberglass Tape: 2 inch wide, coated glass fiber tape for joints and corners where recommended by manufacturer of gypsum board manufacturer.
 - 2. Paper Tape: 2 inch wide, creased paper tape for joints and corners, except as otherwise indicated.
 - 3. Joint Compound: Drying type, vinyl-based, ready-mixed.
 - 4. Joint Compound: Setting type, field-mixed.
- D. High Build Drywall Surfer: Vinyl acrylic latex-based coating for spray application, designed to take the place of skim coating and separate paint primer in achieving Level 5 finish.
- E. Abuse Resistant Finishes for IRGYP and ARGYP:
 - 1. Acrylic, water-based, non-textured, high build, tintable primer and surfacer.
- F. Screws for Fastening of Gypsum Panel Products to Steel Members from 0.033 to 0.112 inch in Thickness: ASTM C954; steel drill screws, corrosion-resistant.
- G. Anchorage to Substrate: Tie wire, nails, screws, and other metal supports, of type and size to suit application; to rigidly secure materials in place.

PART 3 EXECUTION

- 3.01 EXAMINATION**
 - A. Verify that project conditions are appropriate for work of this section to commence.
- 3.02 ACOUSTIC ACCESSORIES INSTALLATION**
 - A. Acoustic Insulation: Place tightly within spaces, around cut openings, behind and around electrical and mechanical items within partitions, and tight to items passing through partitions.
 - B. Acoustic Sealant: Install in accordance with manufacturer's instructions.
- 3.03 BOARD INSTALLATION**
 - A. Comply with ASTM C840, GA-216, and manufacturer's instructions. Install to minimize butt end joints, especially in highly visible locations.
 - B. Single-Layer Nonrated: Install gypsum board perpendicular to framing, with ends and edges occurring over firm bearing.

- C. Double-Layer, Nonrated: Use gypsum board for first layer, placed parallel to framing or furring members, with ends and edges occurring over firm bearing. Use glass mat faced gypsum board at exterior walls and at other locations as indicated. Place second layer perpendicular to framing or furring members. Offset joints of second layer from joints of first layer.
- D. Fire-Resistance-Rated Construction: Install gypsum board in strict compliance with requirements of assembly listing.
- E. Exposed Gypsum Board in Interior Wet Areas: Seal joints, cut edges, and holes with water-resistant sealant.
- F. Cementitious Backing Board: Install over steel framing members where indicated, in accordance with ANSI A108.11 and manufacturer's instructions.
- G. Installation on Metal Framing: Use screws for attachment of gypsum board.

3.04 INSTALLATION OF TRIM AND ACCESSORIES

- A. Control Joints: Place control joints consistent with lines of building spaces and as indicated.
 - 1. Not more than 30 feet apart on walls and ceilings over 50 feet long.
 - 2. At exterior soffits, not more than 30 feet apart in both directions.
- B. Corner Beads: Install at external corners, using longest practical lengths.
- C. Edge Trim: Install at locations where gypsum board abuts dissimilar materials.

3.05 JOINT TREATMENT

- A. Glass Mat Faced Gypsum Board and Exterior Glass Mat Faced Sheathing: Use fiberglass joint tape, embed and finish with setting type joint compound.
- B. Paper Faced Gypsum Board: Use paper joint tape, embed with drying type joint compound and finish with drying type joint compound.
- C. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
 - 1. Level 5: Walls and ceilings to receive semi-gloss or gloss paint finish and other areas specifically indicated.
 - 2. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.
 - 3. Level 3: Walls to receive textured wall finish.
 - 4. Level 2: In utility areas, behind cabinetry, and on backing board to receive tile finish.
 - 5. Level 1: Fire-resistance-rated wall areas above finished ceilings, whether or not accessible in the completed construction.
 - 6. Level 0: Temporary partitions.
- D. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
 - 1. Feather coats of joint compound so that camber is maximum 1/32 inch.
- E. Where Level 5 finish is indicated, spray apply high build drywall surfacer over entire surface after joints have been properly treated; achieve a flat and tool mark-free finish.
- F. Fill and finish joints and corners of cementitious backing board as recommended by manufacturer.

3.06 TOLERANCES

- A. Maximum Variation of Finished Gypsum Board Surface from True Flatness: 1/8 inch in 10 feet in any direction.

END OF SECTION

SECTION 09 22 16

NON-STRUCTURAL METAL FRAMING

PART 1 GENERAL

- 1.01 SECTION INCLUDES**
 - A. Metal partition, ceiling, and soffit framing.
 - B. Framing accessories.
- 1.02 RELATED REQUIREMENTS**
 - A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
 - B. Section 05 40 00 - Cold-Formed Metal Framing: Requirements for structural, load-bearing, metal stud framing.
 - C. Section 06 10 00 - Rough Carpentry: Wood blocking within stud framing.
 - D. Section 07 92 00 - Joint Sealants: Sealing acoustical gaps in construction other than gypsum board or plaster work.

1.03 REFERENCE STANDARDS

- A. AISI S100 - North American Specification for the Design of Cold-Formed Steel Structural Members; 2016, with Supplement (2018).
- B. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2014.
- C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2019a.
- D. ASTM A1003/A1003M - Standard Specification for Steel Sheet, Carbon, Metallic and Nonmetallic-Coated for Cold-Formed Framing Members; 2015.
- E. ASTM C645 - Standard Specification for Nonstructural Steel Framing Members; 2018.
- F. ASTM C754 - Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products; 2018.
- G. ASTM C1002 - Standard Specification for Steel Self-Piercing Tapping Screws for Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs; 2018.
- H. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2020.
- I. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; 2009 (Reapproved 2016).
- J. ASTM E413 - Classification for Rating Sound Insulation; 2016.

1.04 SUBMITTALS

- A. Product Data: Provide data describing framing member materials and finish, product criteria, load charts, and limitations.
- B. Product Data: Provide manufacturer's data on partition head to structure connectors, showing compliance with requirements.
- C. Third-party certified Health Product Declaration and/or Environmental Product Declaration and/or Declare® Label(s) for each product indicated, if available

1.05 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing the work of this section with minimum five years documented experience and approved by manufacturer.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Metal Framing, Connectors, and Accessories:
 - 1. CEMCO: www.cemcosteel.com/#sie.
 - 2. ClarkDietrich: www.clarkdietrich.com/#sle.
 - 3. SCAFCO Corporation: www.scafco.com/#sle.

2.02 FRAMING MATERIALS

- A. Fire-Resistance-Rated Assemblies: Comply with applicable code and as indicated on drawings.
- B. Non-Loadbearing Framing System Components: ASTM C645; galvanized sheet steel, of size and properties necessary to comply with ASTM C754 for the spacing indicated, with maximum deflection of wall framing of L/120 at 5 psf.
 - 1. Studs: C-shaped with flat faces.
 - a. Minimum base metal thickness: 0.033 inch (0.84 mm).
 - 2. Runners: U-shaped, sized to match studs.
 - a. Minimum base metal thickness: 0.033 inch (0.84 mm).
 - 3. Ceiling Channels: C-shaped.
 - 4. Furring: Hat-shaped sections, minimum depth of 7/8 inch.
 - 5. Resilient Furring Channels: Single leg configuration; 1/2 inch channel depth.
 - 6. Resilient Sound Isolation Clips: Steel resilient clips with molded rubber isolators, attaches to framing; improves noise isolation for areas between gypsum board assemblies and adjacent sources of noise.
- C. Partition Head to Structure Connections: Provide mechanical anchorage devices that accommodate deflection using slotted holes, screws, and anti-friction bushings, preventing rotation of studs while maintaining structural performance of partition.
 - 1. Structural Performance: Maintain lateral load resistance and vertical movement capacity required by applicable code, when evaluated in accordance with AISI S100.
 - 2. Material: ASTM A653/A653M steel sheet, SS Grade 50, with G60/Z180 hot-dipped galvanized coating.
 - 3. Provide components UL-listed for use in UL-listed fire-resistance-rated head of partition joint systems indicated on drawings.
- D. Non-Loadbearing Framing Accessories:
 - 1. Ceiling Hangers: Type and size as specified in ASTM C754 for spacing required.
 - 2. Partial Height Wall Framing Support: Provides stud reinforcement and anchored connection to floor.
 - a. Materials: ASTM A36/A36M formed sheet steel support member with factory-welded ASTM A1003/A1003M steel plate base.
 - 3. Fasteners: ASTM C1002 self-piercing tapping screws.
 - 4. Anchorage Devices: Powder actuated.
 - 5. Acoustic Insulation: See Section 09 21 00.
- E. Sound Isolation Tape: Elastomeric foam tape for sound decoupling.
 - 1. Surface Burning Characteristics: Provide assemblies with flame spread index of 75 or less and smoke developed index of 450 or less, when tested in accordance with ASTM E84.
 - 2. Tape Thickness: 1/4 inch.

2.03 FABRICATION

- A. Fabricate assemblies of framed sections to sizes and profiles required.
- B. Fit, reinforce, and brace framing members to suit design requirements.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that rough-in utilities are in proper location.

3.02 INSTALLATION OF STUD FRAMING

- A. Comply with requirements of ASTM C754.
- B. Extend partition framing to structure or to ceiling as indicated on drawings.
- C. Partitions Terminating at Ceiling: Attach ceiling runner securely to ceiling track in accordance with manufacturer's instructions.
- D. Partitions Terminating at Structure: Attach top runner to structure, maintain clearance between top of studs and structure, and connect studs to track using specified mechanical devices in accordance with manufacturer's instructions; verify free movement of top of stud connections; do not leave studs unattached to track.
- E. Align and secure top and bottom runners at 24 inches on center.
- F. At partitions indicated with an acoustic rating:
 - 1. Provide components and install as required to produce STC ratings as indicated, based on published tests by manufacturer conducted in accordance with ASTM E90 with STC rating calculated in accordance with ASTM E413.
 - 2. Place two beads of acoustic sealant between runners and substrate, studs and adjacent construction.
 - 3. Sound Isolation Tape: Apply to vertical studs and top and bottom tracks/runners in accordance with manufacturer's instructions.
- G. Fit runners under and above openings; secure intermediate studs to same spacing as wall studs.
- H. Install studs vertically at 16 inches on center.
- I. Align stud web openings horizontally.

- J. Secure studs to tracks using crimping method. Do not weld.
- K. Fabricate corners using a minimum of three studs.
- L. Install double studs at wall openings, door and window jambs, not more than 2 inches from each side of openings.
- M. Coordinate erection of studs with requirements of door frames and window frames; install supports and attachments.
- N. Coordinate installation of bucks, anchors, and blocking with electrical, mechanical, and other work to be placed within or behind stud framing.
- O. Sound Isolation Clips: Mechanically attach to framing or structure with fasteners recommended by clip manufacturer. Install at spacing indicated on drawings and maximum 24 inches on center. Locate joints over framing members.
- P. Furring: Coordinate with sound isolation clip spacing and locations. Lap splices a minimum of 6 inches.
- Q. Blocking: Use mechanically fastened steel sheet, steel channels or wood blocking secured to studs as indicated. Provide blocking for support of plumbing fixtures, toilet partitions, toilet accessories, wall-mounted cabinets, wall-mounted hardware, and framed openings.

3.03 CEILING AND SOFFIT FRAMING

- A. Comply with requirements of ASTM C754.
- B. Securely anchor hangers to structural members or embed them in structural slab. Space hangers as required to limit deflection to criteria indicated. Use rigid hangers at exterior soffits.
- C. Space main carrying channels at maximum 72 inch on center, and not more than 6 inches from wall surfaces. Lap splice securely.
- D. Securely fix carrying channels to hangers to prevent turning or twisting and to transmit full load to hangers.
- E. Place furring channels perpendicular to carrying channels, not more than 2 inches from perimeter walls, and rigidly secure. Lap splices securely.
- F. Reinforce openings in suspension system that interrupt main carrying channels or furring channels with lateral channel bracing. Extend bracing minimum 24 inches past each opening.
- G. Laterally brace suspension system.

3.04 TOLERANCES

- A. Maximum Variation From Plumb: 1/8 inch in 10 feet.

END OF SECTION

SECTION 09 30 00

TILING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Tile for floor applications.
- B. Tile for wall applications.
- C. Solid surface thresholds.
- D. Ceramic trim.
- E. Non-ceramic trim.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Section 07 92 00 - Joint Sealants: Sealing joints between tile work and adjacent construction and fixtures.
- C. Section 09 21 16 - Gypsum Board Assemblies: Tile backer board.

1.03 REFERENCE STANDARDS

- A. ANSI A108/A118/A136 - American National Standard Specifications for the Installation of Ceramic Tile (Compendium); 2019.
- B. ANSI A137.1 - American National Standard Specifications for Ceramic Tile; 2019.
- C. ASTM C373 - Standard Test Methods for Determination of Water Absorption and Associated Properties by Vacuum Method for Pressed Ceramic Tiles and Glass Tiles and Boil Method for Extruded Ceramic Tiles and Non-tile Fired Ceramic Whiteware Products; 2018.
- D. TCNA (HB) - Handbook for Ceramic, Glass, and Stone Tile Installation; 2019.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by affected installers.

1.05 SUBMITTALS

- A. Product Data: Provide manufacturers' data sheets on tile, mortar, grout, and accessories. Include instructions for using grouts and adhesives.
- B. Third-party certified Health Product Declaration and/or Environmental Product Declaration and/or Declare® Label(s) for each product indicated, if available.
- C. Shop Drawings: Indicate tile layout, patterns, color arrangement, perimeter conditions, junctions with dissimilar materials, control and expansion joints, thresholds, and setting details.
- D. Samples for Selection: Provide two physical sample decks of available grout colors for Architect selection.
- E. Samples for Verification:
 - 1. Provide two full-size physical samples of each tile type, size, configuration, color and finish indicated.
 - 2. Provide two samples, minimum 6 inches long, of each type and finish trim and threshold profile indicated.
- F. Installer's Qualification Statement:
- G. Maintenance Data: Include recommended cleaning methods, cleaning materials, and stain removal methods.



ALASKA COURT SYSTEM
**KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES**
KOTZEBUE, ALASKA

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: DN
CHECKED BY: LK

REVISION	DESCRIPTION	DATE

SPECIFICATIONS

A009

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102_ACS_Kotzebue_CH/20-102_ACS_KOTZ CH-AA-Model.rvt 5/2/2023 9:41:30 AM

1.06 QUALITY ASSURANCE

- A. Maintain one copy of and ANSI A108/A118/A136 and TCNA (HB) on site.
B. Manufacturer Qualifications: Company specializing in manufacturing the types of products specified in this section, with minimum five years of documented experience.
C. Installer Qualifications:
1. Company specializing in performing tile installation, with minimum of five years of documented experience.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

1.08 FIELD CONDITIONS

- A. Do not install solvent-based products in an unventilated environment.
B. Maintain ambient and substrate temperature above 50 degrees F and below 100 degrees F during installation and curing of setting materials.

PART 2 PRODUCTS

2.01 TILE

- A. Basis of Design Product: Subject to compliance with the requirements, provide product indicated in Interior Finish Schedule or approved substitution.
B. Porcelain Mosaic Tile: ANSI A137.1, standard grade.
C. Glazed Wall Tile: ANSI A137.1, standard grade.
D. Porcelain Tile: ANSI A137.1, standard grade.

2.02 TRIM AND ACCESSORIES

- A. Ceramic Trim: Matching bullnose and cove base ceramic shapes in sizes indicated.
B. Non-Ceramic Trim: Satin natural anodized extruded aluminum, style as indicated on drawings and dimensions to suit application.
C. Products: As indicated on drawings.
D. Thresholds: 2 inches wide by full width of wall or frame opening; beveled edge on both long edges; without holes, cracks, or open seams.

2.03 SETTING MATERIALS

- A. Latex-Portland Cement Mortar Bond Coat: ANSI A118.4.
1. Applications: Use this type of bond coat where indicated, and where no other type of bond coat is indicated.
2. Products:
a. ARDEX Engineered Cements; ARDEX X 5: www.ardexamericas.com/#sle.
b. Custom Building Products; ProLite Premium Rapid Setting Large Format Tile Mortar, with Multi-Surface Bonding Primer: www.custombuildingproducts.com/#sle.
c. H.B. Fuller Construction Products, Inc; TEC TotalFlex 110 Universal Mortar: www.tecspecialty.com/#sle.
d. LATICRETE International, Inc; 257 TITANIUM: www.laticrete.com/#sle.

- e. Merkrete, by Parex USA, Inc; Merkrete 735 Premium Flex: www.merkrete.com/#sle.
f. Sika Corp; SikaTile 300 Set: www.sika.com/#sle.
B. Improved Latex-Portland Cement Mortar Bond Coat: ANSI A118.15.
1. Applications: Use this type of bond coat where Large and Heavy Tile (LHT) mortar is indicated.
2. Products:
a. ARDEX Engineered Cements; S 28: www.ardexamericas.com/#sle.
b. Custom Building Products; Complete Contact-LFT Premium Rapid Setting Large Format Tile Mortar, with Multi-Surface Bonding Primer: www.custombuildingproducts.com/#sle.
c. H.B. Fuller Construction Products, Inc; TEC TotalFlex 150 Universal Mortar: www.tecspecialty.com/#sle.
d. LATICRETE International, Inc; MULTIMAX LITE: www.laticrete.com/#sle.

2.04 GROUTS

- A. High Performance Polymer Modified Grout: ANSI A118.7 polymer modified cement grout.
1. Applications: Use this type of grout where indicated and where no other type of grout is indicated.
2. Use sanded grout for joints 1/8 inch wide and larger; use unsanded grout for joints less than 1/8 inch wide.
3. Color(s): As selected by Architect from manufacturer's full line.
4. Products:
a. ARDEX Engineered Cements; ARDEX FL: www.ardexamericas.com/#sle.
b. Custom Building Products; Prism Color Consistent Grout: www.custombuildingproducts.com/#sle.
c. H.B. Fuller Construction Products, Inc; TEC AccuColor Plus Grout: www.tecspecialty.com/#sle.
d. LATICRETE International, Inc; LATICRETE PERMACOLOR Grout: www.laticrete.com/#sle.
e. Mapei Corporation; Ultracolor Plus: www.mapei.com.
B. Epoxy Grout: ANSI A118.3 chemical resistant and water-cleanable epoxy grout.
1. Applications: Where indicated.
2. Color(s): As selected by Architect from manufacturer's full line.
3. Products:
a. ARDEX Engineered Cements; ARDEX WA: www.ardexamericas.com/#sle.
b. Custom Building Products; CEG-Lite 100% Solids Commercial Epoxy Grout: www.custombuildingproducts.com/#sle.
c. H.B. Fuller Construction Products, Inc; TEC AccuColor EFX Epoxy Special Effects Grout: www.tecspecialty.com/#sle.
d. LATICRETE International, Inc; LATICRETE SPECTRALOCK PRO Premium Grout: www.laticrete.com/#sle.
e. Mapei Corporation; Kerapoxy: www.mapei.com.

2.05 MAINTENANCE MATERIALS

- A. Grout Release: Temporary, water-soluble pre-grout coating.

2.06 ACCESSORY MATERIALS

- A. Waterproofing Membrane at Floors: Specifically designed for bonding to cementitious substrate under thick mortar bed or thin-set tile, complying with ANSI A118.10.
1. Crack Resistance: No failure at 1/8 inch gap, minimum; comply with ANSI A118.12.
2. Fluid or Trowel Applied Type:
a. Material: Synthetic rubber or Acrylic.
b. Products:
1) ARDEX Engineered Cements; ARDEX 8+9: www.ardexamericas.com/#sle.
2) Custom Building Products; RedGard Crack Prevention and Waterproofing Membrane: www.custombuildingproducts.com/#sle.
3) H.B. Fuller Construction Products, Inc; TEC HydraFlex Waterproofing Crack Isolation Membrane: www.tecspecialty.com/#sle.
4) LATICRETE International, Inc; LATICRETE HYDRO BAN: www.laticrete.com/#sle.
5) Mapei Corporation; Mapelastac AquaDefense or Mapelastac WaterStop: www.mapei.com/us.
6) Merkrete, by Parex USA, Inc; Merkrete Hydro Guard 1: www.merkrete.com/#sle.
7) Sika Corp; SikaTile 100 Moisture Guard: www.sika.com/#sle.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that subfloor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive tile.
B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive tile.
C. Verify that subfloor surfaces are dust free and free of substances that could impair bonding of setting materials to subfloor surfaces.
D. Cementitious Subfloor Surfaces: Verify that substrates are ready for tiling installation by testing for moisture and alkalinity (pH).
1. Test in accordance with Section 09 05 61.
2. Obtain instructions if test results are not within limits recommended by tiling material manufacturer and setting material manufacturer.
E. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

- A. Protect surrounding work from damage.
B. Vacuum clean surfaces and damp clean.
C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.

3.03 INSTALLATION - GENERAL

- A. Install tile, thresholds, and stair treads and grout in accordance with applicable requirements of ANSI A108.1a through ANSI A108.20, manufacturer's instructions, and TCNA (HB) recommendations.
B. Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
C. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.
D. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make grout joints without voids, cracks, excess mortar or excess grout, or too little grout.
E. Form internal angles square and external angles bullnosed.
F. Install non-ceramic trim in accordance with manufacturer's instructions.
G. Install thresholds where indicated.
H. Sound tile after setting. Replace hollow sounding units.
I. Keep control and expansion joints free of mortar, grout, and adhesive.
J. Prior to grouting, allow installation to completely cure; minimum of 48 hours.
K. Grout tile joints unless otherwise indicated.
L. At changes in plane and tile-to-tile control joints, use tile sealant instead of grout, with either bond breaker tape or backer rod as appropriate to prevent three-sided bonding.

3.04 INSTALLATION - FLOORS - THIN-SET METHODS

- A. Over interior concrete substrates, install in accordance with TCNA (HB) Method F113, dry-set or latex-Portland cement bond coat, with standard grout, unless otherwise indicated.
1. Where waterproofing membrane is indicated, install in accordance with TCNA (HB) Method F122, with latex-Portland cement grout.
2. Where epoxy or furan grout is indicated, but not epoxy or furan bond coat, install in accordance with TCNA (HB) Method F115.

3.05 INSTALLATION - WALL TILE

- A. Over cementitious backer units on studs, install in accordance with TCNA (HB) Method W244, using membrane at toilet rooms and locker rooms.

3.06 CLEANING

- A. Clean tile and grout surfaces.

3.07 PROTECTION

- A. Do not permit traffic over finished floor surface for 4 days after installation.

3.08 SCHEDULE

- A. Restrooms (second floor):
1. Floors: Porcelain.
2. Walls: Glazed Ceramic.
3. Installation Method, Floors: Thin-set.
4. Membrane: Waterproof/crack isolation membrane.
5. Grout: High Performance Polymer-Modified Grout.
B. Locker Rooms (first floor):
1. Floors: Ceramic Mosaic.
2. Walls: Glazed Ceramic.
3. Installation Methods: Thin-set.
4. Membrane: Waterproof/crack isolation membrane.
5. Grout: Epoxy Grout.

END OF SECTION

SECTION 09 51 00

ACOUSTICAL CEILINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Suspended metal grid ceiling system.
B. Acoustical units.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.03 REFERENCE STANDARDS

- A. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.
B. ASTM C635/C635M - Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings; 2017.
C. ASTM E580/E580M - Standard Practice for Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Subject to Earthquake Ground Motions; 2020.
D. ASTM E1264 - Standard Classification for Acoustical Ceiling Products; 2019.
E. UL (GGG) - GREENGUARD Gold Certified Products; Current Edition.

1.04 SUBMITTALS

- A. Shop Drawings: Indicate grid layout and related dimensioning, junctions with other ceiling finishes, and mechanical and electrical items installed in the ceiling.
B. Product Data: Provide data on suspension system components and acoustical units.
C. Samples: Submit two samples 6 by 6 inch in size illustrating material and finish of acoustical units.
D. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.

1.05 QUALITY ASSURANCE

- A. Suspension System Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

- B. Acoustical Unit Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

1.06 FIELD CONDITIONS

- A. Maintain uniform temperature of minimum 60 degrees F, and maximum humidity of 40 percent prior to, during, and after acoustical unit installation.

PART 2 PRODUCTS

2.01 BASIS OF DESIGN

- A. Basis of Design Product: Subject to compliance with the requirements, provide product indicated in Interior Finish Schedule or approved substitution. Product manufacturer's designations indicate the basis for quality, performance, and aesthetic selection (pattern, color, overall compatibility with interior finish scheme, and acceptable care and maintenance routines).

2.02 MANUFACTURERS

- A. Acoustic Tiles/Panels:
1. Armstrong World Industries, Inc: www.armstrongceilings.com/#sle.
2. CertainTeed Corporation: www.certainteed.com/ceilings-and-walls/#sle.
3. Rockfon: www.rockfon.com/#sle.
4. USG Corporation: www.usg.com/ceilings/#sle.
B. Suspension Systems:
1. Armstrong World Industries, Inc: www.armstrongceilings.com/#sle.
2. CertainTeed Corporation: www.certainteed.com/ceilings-and-walls/#sle.
3. Rockfon: www.rockfon.com/#sle.
4. USG Corporation: www.usg.com/ceilings/#sle.

2.03 PERFORMANCE REQUIREMENTS

- A. Seismic Performance: Ceiling systems designed to withstand the effects of earthquake motions determined according to ASCE 7 for Seismic Design Category D, E, or F and complying with the following:
1. Local authorities having jurisdiction.

2.04 ACOUSTICAL UNITS

- A. Acoustical Units - General: ASTM E1264, Class A.
1. VOC Content: Certified as Low Emission by one of the following:
a. Product listing in UL (GGG).
B. Acoustical Panels ACT-3: Painted mineral fiber, with the following characteristics:
1. Classification: ASTM E1264 Type III.
a. Form: 2, water felted.
b. Pattern: "C" - perforated, small holes; "E" - lightly textured.
2. Size: 24 by 48 inches unless otherwise indicated.
3. Thickness: 5/8 inch.
4. Light Reflectance: minimum 85 percent, determined in accordance with ASTM E1264.
5. NRC Range: 0.50 to 0.60, determined in accordance with ASTM E1264.
6. Ceiling Attenuation Class (CAC): minimum 30, determined in accordance with ASTM E1264.
7. Panel Edge: Square.
8. Color: As indicated on drawings.
9. Suspension System: Exposed grid.
10. Products:
a. Armstrong World Industries, Inc; Dune: www.armstrongceilings.com/#sle.
b. CertainTeed Corporation; Sand Micro: www.certainteed.com/ceilings-and-walls/#sle.
c. USG Corporation; Olympia Micro Acoustical Panels: www.usg.com/ceilings/#sle.
C. Acoustical Panels ACT-1, ACT-2: Mineral fiber with membrane-faced overlay, with the following characteristics:
1. Classification: ASTM E1264 Type IV.
a. Form: 2, water felted.
b. Pattern: "E" - lightly texture, "G" - smooth.
2. Size: 24 by 24 inches unless otherwise indicated.
3. Thickness: 3/4 inch.
4. Light Reflectance: minimum 85 percent, determined in accordance with ASTM E1264.
5. NRC Range: 0.70 to 0.85, determined in accordance with ASTM E1264.
6. Ceiling Attenuation Class (CAC): minimum, 35, determined in accordance with ASTM E1264.
7. Panel Edge: Beveled tegular.
8. Color: As indicated on drawings.
9. Suspension System: Exposed grid.
10. Products:
a. Armstrong World Industries, Inc; Ultima: www.armstrongceilings.com/#sle.
b. CertainTeed Corporation; Symphony m: www.certainteed.com/ceilings-and-walls/#sle.
c. USG Corporation; Mars Acoustical Panels: www.usg.com/ceilings/#sle.
2.05 SUSPENSION SYSTEM(S)
A. Metal Suspension Systems - General: Complying with ASTM C635/C635M; die cut and interlocking components, with perimeter moldings, hold down clips, stabilizer bars, clips, and splices as required.
B. Exposed Suspension System: Hot-dipped galvanized steel grid with steel cap.
1. Application(s): Seismic.
2. Structural Classification: Heavy-duty, when tested in accordance with ASTM C635/C635M.
3. Profile: Tee; 15/16 inch face width.
4. Finish: Baked enamel.
5. Color: White.
6. Products:
a. CertainTeed Corporation; 15/16" EZ Slab Classic System: www.certainteed.com/ceilings-and-walls/#sle.
b. USG Corporation; Donn Brand ZSLA 15/16 inch Acoustical Suspension System: www.usg.com/ceilings/#sle.
c. Armstrong World Industries, Inc.; Prelude XL 15/16": www.armstrongceilings.com/#sle.



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA

CONSULTANT:

Table with 2 columns: Field Name, Value. Includes Project No., Date, Drawn By, Checked By.

Table with 3 columns: Revision, Description, Date. Includes a header row and several empty rows.

SPECIFICATIONS

A010

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102-ACS Kotzebue CH/20-102-ACS KOTZ CH-A-Model.rvt

5/2/2023 9:41:31 AM

2.06 ACCESSORIES

- A. Support Channels and Hangers: Galvanized steel; size and type to suit application, seismic requirements, and ceiling system flatness requirement specified.
B. Hanger Wire: 12 gauge, 0.08 inch galvanized steel wire.
C. Hold-Down Clips: Manufacturer's standard clips to suit application.
D. Seismic Clips: Manufacturer's standard clips for seismic conditions and to suit application.
E. Perimeter Moldings: Same metal and finish as grid.
F. Metal Edge Trim for "Cloud" Suspension Systems: Steel or extruded aluminum; provide attachment clips, splice plates, and preformed corner pieces for complete trim system.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
B. Verify that layout of hangers will not interfere with other work.

3.02 PREPARATION

- A. Install after major above-ceiling work is complete.
B. Coordinate the location of hangers with other work.

3.03 INSTALLATION - SUSPENSION SYSTEM

- A. Install suspension system in accordance with ASTM E580/E580M and manufacturer's instructions and as supplemented in this section.
B. Rigidly secure system, including integral mechanical and electrical components, for maximum deflection of 1:360.
C. Locate system on room axis according to reflected plan.
D. Perimeter Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other interruptions.
E. Suspension System, Non-Seismic: Hang suspension system independent of walls, columns, ducts, pipes and conduit.
F. Seismic Suspension System, Seismic Design Categories D, E, F: Hang suspension system with grid ends attached to the perimeter molding on two adjacent walls; on opposite walls, maintain a 3/4 inch clearance between grid ends and wall.
G. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.
H. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability.
I. Support fixture loads using supplementary hangers located within 6 inches of each corner, or support components independently.
J. Do not eccentrically load system or induce rotation of runners.

3.04 INSTALLATION - ACOUSTICAL UNITS

- A. Install acoustical units in accordance with manufacturer's instructions.
B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.
C. Fit border trim neatly against abutting surfaces.
D. Install acoustical units level, in uniform plane, and free from twist, warp, and dents.
E. Cutting Acoustical Units Level:
F. Where round obstructions occur, provide preformed closures to match perimeter molding.
G. Install hold-down clips on panels within 20 ft of an exterior door.

3.05 TOLERANCES

- A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.
B. Maximum Variation from Plumb of Grid Members Caused by Eccentric Loads: 2 degrees.

3.06 CLEANING

- A. Clean surfaces.
B. Replace damaged or abraded components.

END OF SECTION

SECTION 09 65 00

RESILIENT FLOORING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Bid Alternate: Resilient sheet flooring.

- B. Resilient tile flooring.
C. Resilient base.
D. Resilient stair accessories.
E. Installation accessories.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
B. Section 09 05 61 - Common Work Results for Flooring Preparation: Removal of existing floor coverings, cleaning, and preparation.
C. Section 09 05 61 - Common Work Results for Flooring Preparation: Concrete slab moisture and alkalinity testing.

1.03 REFERENCE STANDARDS

- A. ASTM E648 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source; 2019a, with Editorial Revision (2020).
B. ASTM F1066 - Standard Specification for Vinyl Composition Floor Tile; 2004 (Reapproved 2018).
C. ASTM F1303 - Standard Specification for Sheet Vinyl Floor Covering with Backing; 2004 (Reapproved 2021).
D. ASTM F1700 - Standard Specification for Solid Vinyl Floor Tile; 2020.
E. ASTM F1861 - Standard Specification for Resilient Wall Base; 2021.
F. NFPA 253 - Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source; 2023.

1.04 SUBMITTALS

- A. Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.
B. Shop Drawings: Indicate floor patterns.
C. Verification Samples: Submit two samples, 6 by 12 inch in size illustrating color and pattern for each resilient flooring product specified.
D. Third-party certified Health Product Declaration and/or Environmental Product Declaration, if available.
E. Concrete Subfloor Test Report: Submit a copy of the moisture and alkalinity (pH) test reports.
F. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.
G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
1. Extra Flooring Material: minimum one full carton of each type and color, not less than 32 square feet.
2. Extra Wall Base: 20 linear feet of each type and color.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing specified flooring with minimum three years documented experience.
B. Installer Qualifications: Company specializing in installing specified flooring with minimum three years documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Upon receipt, immediately remove any shrink-wrap and check materials for damage and the correct style, color, quantity and run numbers.
B. Store all materials off of the floor in an acclimatized, weather-tight space.
C. Maintain temperature in storage area between 55 degrees F and 90 degrees F.
D. Do not double stack pallets.

1.07 FIELD CONDITIONS

- A. Store materials for not less than 48 hours prior to installation in area of installation at a temperature of 70 degrees F to achieve temperature stability. Thereafter, maintain conditions above 55 degrees F.

PART 2 PRODUCTS

2.01 BASIS OF DESIGN

- A. Basis of Design Product: Subject to compliance with the requirements, provide product indicated in Interior Finish Schedule or approved substitution. Product manufacturer's designations indicate the basis for quality, performance, and aesthetic selection (pattern, color, overall compatibility with interior finish scheme, and acceptable care and maintenance routines).

2.02 SHEET FLOORING

- A. Vinyl Sheet Flooring: Color and pattern throughout wear layer thickness, with backing.
1. Manufacturers:
a. Altro; Aquarius: www.altro.com.
b. Gerflor; Tarasafe Ultra: www.gerflorusa.com.
c. Mohawk Group; Healthy Environments Heterogeneous Resilient Sheet: www.mohawkgroup.com.
d. Tarkett; Accent Flourish: www.tarkett.com.
2. Minimum Requirements: Comply with ASTM F1303, Type II, with Class A fibrous backing.
3. Wear Layer Thickness: 0.050 inch minimum.
4. Total Thickness: 0.080 inch minimum.
5. Integral coved base with cap strip.

2.03 TILE FLOORING

- A. Vinyl Composition Tile - VCT-1: Homogeneous, with color extending throughout thickness.
1. Minimum Requirements: Comply with ASTM F1066, of Class corresponding to type specified.
2. Critical Radiant Flux (CRF): Minimum 0.45 watt per square centimeter, when tested in accordance with ASTM E648 or NFPA 253.
3. Size: 12 by 12 inch.
4. Thickness: 0.125 inch.

- 5. Color: As indicated on drawings.
B. Vinyl Tile - LVT-1: Printed film type, with transparent or translucent wear layer; acoustic interlayer or backing.
1. Minimum Requirements: Comply with ASTM F1700, Class III.
2. Critical Radiant Flux (CRF): Minimum 0.45 watt per square centimeter, when tested in accordance with ASTM E648.
3. Plank Tile Size: As indicated on drawings.
4. Wear Layer Thickness: 0.020 inch.
5. Total Thickness: 0.20 inch.
6. Tile Edge: Straight.
7. Color: As indicated on drawings.

2.04 STAIR COVERING

- A. Stair Stringers: Rubber, full height in one piece and in maximum available lengths.
1. Minimum Requirements: Comply with ASTM F2169, Type TS, rubber, vulcanized thermoset.
2. Nominal Thickness: 0.080 inch.
3. Color: As indicated on drawings.
B. Stair Nosings: 1-1/2 inch horizontal return, 1-1/2 inch vertical return, full width of stair tread in one piece.
1. Material: Rubber.
2. Striping: 2 inch wide contrasting color abrasive strips.
3. Color: As shown on drawings.

2.05 RESILIENT BASE

- A. Resilient Base - RB-1: ASTM F1861, Type TS rubber, vulcanized thermoset; Style B, Cove.
1. Height: 4 inch.
2. Thickness: 0.125 inch.
3. Finish: Satin.
4. Length: Roll.
5. Color: As indicated on drawings.
B. Resilient Base - RB-2: ASTM F1861, Type TP, rubber, thermoplastic; style as scheduled.
1. Height: 4-1/2 inch.
2. Finish: Satin.
3. Length: 8 foot sections.
4. Color: As indicated on drawings.

2.06 ACCESSORIES

- A. Subfloor Filler: White premix latex; type recommended by adhesive material manufacturer.
B. Primers and Adhesives: Waterproof; types recommended by flooring manufacturer.
C. Moldings, Transition and Edge Strips: Resilient or metal as indicated on drawings.
D. Filler for Coved Base: Plastic.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of flooring to substrate.
B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive resilient base.
C. Cementitious Subfloor Surfaces: Verify that substrates are ready for resilient flooring installation by testing for moisture and alkalinity (pH).
1. Test in accordance with Section 09 05 61.
2. Obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.
D. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

- A. Prepare floor substrates for installation of flooring in accordance with Section 09 05 61.

3.03 INSTALLATION - GENERAL

- A. Starting installation constitutes acceptance of subfloor conditions.
B. Install in accordance with manufacturer's written instructions.
C. Adhesive-Applied Installation:
1. Spread only enough adhesive to permit installation of materials before initial set.
2. Fit joints and butt seams tightly.
3. Set flooring in place, press with heavy roller to attain full adhesion.
D. Where type of floor finish, pattern, or color are different on opposite sides of door, terminate flooring under centerline of door.
E. Install edge strips at unprotected or exposed edges, where flooring terminates, and where indicated.
1. Metal Strips: Attach to substrate before installation of flooring using stainless steel screws.
2. Resilient Strips: Attach to substrate using adhesive.
F. Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.
G. Install flooring in recessed floor access covers, maintaining floor pattern.

3.04 INSTALLATION - SHEET FLOORING

- A. Lay flooring with joints and seams parallel to longer room dimensions, to produce minimum number of seams. Lay out seams to avoid widths less than 1/3 of roll width; match patterns at seams.
B. Cut sheet at seams in accordance with manufacturer's instructions.
C. Seal seams by heat welding where indicated.
D. Coved Base: Install using coved base filler as backing at floor to wall junction. Extend sheet flooring vertically to height indicated, and cover top edge with metal cap strip.

3.05 INSTALLATION - TILE FLOORING

- A. Mix tile from container to ensure shade variations are consistent when tile is placed, unless otherwise indicated in manufacturer's installation instructions.
B. Lay flooring with joints and seams parallel to building lines to produce symmetrical pattern.
C. Install plank tile with a random offset of at least 6 inches from adjacent rows.

3.06 INSTALLATION - RESILIENT BASE

- A. Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches between joints.
B. RB-1: Miter internal corners. At external corners, 'V' cut back of base strip to 2/3 of its thickness and fold. At exposed ends, use preformed units.
C. RB-2: Miter internal and external corners. At exposed ends, use preformed units.
D. Install base on solid backing. Bond tightly to wall and floor surfaces.
E. Scribe and fit to door frames and other interruptions.

3.07 INSTALLATION - STAIR COVERINGS

- A. Install stair coverings in one piece for full width of tread.
B. Install stringers configured tightly to stair profile.
C. Adhere over entire surface. Fit accurately and securely.

3.08 CLEANING

- A. Remove excess adhesive from floor, base, and wall surfaces without damage.
B. Clean in accordance with manufacturer's written instructions.

3.09 PROTECTION

- A. Prohibit traffic on resilient flooring for 48 hours after installation.

END OF SECTION

SECTION 09 68 13

TILE CARPETING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Carpet tile, fully adhered, including walk-off matt.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
B. Section 09 05 61 - Common Work Results for Flooring Preparation: Removal of existing floor coverings, cleaning, and preparation.
C. Section 09 05 61 - Common Work Results for Flooring Preparation: Concrete slab moisture and alkalinity testing.
D. Section 09 65 00 - Resilient Flooring: Resilient base and accessories.

1.03 REFERENCE STANDARDS

- A. ASTM D2859 - Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials; 2016 (Reapproved 2021).
B. ASTM E648 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source; 2019a, with Editorial Revision (2020).
C. NFPA 253 - Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source; 2023.

1.04 SUBMITTALS

- A. Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns, colors available, and method of installation.
B. Shop Drawings: Indicate layout of joints, direction of carpet pile, and location of edge moldings.
C. Samples: Submit two carpet tiles illustrating color, pattern, and backgrip for each carpet color selected.
D. Third-party certified Health Product Declaration and/or Environmental Product Declaration, if available.
E. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
F. Concrete Subfloor Test Report: Submit a copy of the moisture and alkalinity (pH) test reports.
G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
1. Extra Carpet Tiles: Quantity equal to 5 percent of total installed, but not less than one carton of each color, pattern and backing system installed.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing specified carpet tile with minimum three years documented experience.
B. Installer Qualifications: Company specializing in installing carpet tile with minimum three years documented experience and approved by carpet tile manufacturer.

1.06 FIELD CONDITIONS

- A. Store materials in area of installation for minimum period of 24 hours prior to installation.

PART 2 PRODUCTS

2.01 BASIS OF DESIGN

- A. Basis of Design Product: Subject to compliance with the requirements, provide product indicated in Interior Finish Schedule or approved substitution. Product manufacturer's designations indicate the basis for quality, performance, and aesthetic selection (pattern, color, overall compatibility with interior finish scheme, and acceptable care and maintenance routines).



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA
100% CONSTRUCTION DOCUMENTS

CONSULTANT:

Table with project information: PROJECT NO: 20-102, DATE: 2023-05-01, DRAWN BY: DN, CHECKED BY: LK, and a revision table with columns for REVISION, DESCRIPTION, and DATE.

SPECIFICATIONS

A011

2.02 MATERIALS

- A. Tile Carpeting, Type CPT-1, CPT-2: Tufted, manufactured in one color dye lot.
1. Tile Size: 24 by 24 inch, nominal.
2. Critical Radiant Flux: Minimum of 0.22 watts/sq cm, when tested in accordance with ASTM E648 or NFPA 253.
3. Surface Flammability Ignition: Pass ASTM D2859 (the "pill test").
4. Maximum Electrostatic Charge: 3 Kv. at 20 percent relative humidity.
5. Fiber: 100% solution-dyed premium branded nylon 6 with permanent cationic stain protection.
6. Backing System, Typical:
a. Primary Backing Material: synthetic, nonwoven.
b. Laminate: Fiberglass Reinforced Sealant.
c. Secondary Backing Material: Proprietary high performance backing with minimum 50% recycled content. PVC-free.
7. Backing System, Courtrooms:
a. Primary Backing Material: synthetic, nonwoven.
b. Laminate: Manufacturer's standard.
c. Secondary Backing Material: Proprietary, high-performance cushion backing.
B. Tile Carpeting, Type WOM-1: Tufted, manufactured in one color dye lot.
1. Tile Size: 24 by 24 inch, nominal.
2. Critical Radiant Flux: Minimum of 0.22 watts/sq cm, when tested in accordance with ASTM E648 or NFPA 253.
3. Surface Flammability Ignition: Pass ASTM D2859 (the "pill test").
4. Maximum Electrostatic Charge: 3 Kv. at 20 percent relative humidity.
5. Fiber: 100% Solution-dyed nylon 6.
6. Backing System:
a. Primary Backing Material: synthetic, nonwoven.
b. Laminate: Fiberglass Reinforced Sealant.
c. Secondary Backing Material: Proprietary high performance backing with minimum 50% recycled content. PVC-free.

2.03 ACCESSORIES

- A. Subfloor Filler: White premix latex; type recommended by flooring material manufacturer.
B. Carpet Tile Adhesive: Recommended by carpet tile manufacturer; releasable type.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that subfloor surfaces are smooth and flat within tolerances specified for that type of work and are ready to receive carpet tile.
B. Verify that subfloor surfaces are dust-free and free of substances that could impair bonding of adhesive materials to subfloor surfaces.
C. Cementitious Subfloor Surfaces: Verify that substrates are ready for flooring installation by testing for moisture and alkalinity (pH).
1. Test in accordance with Section 09 05 61.
2. Obtain instructions if test results are not within limits recommended by flooring material manufacturer and adhesive materials manufacturer.
D. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

- A. Remove subfloor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with subfloor filler.
B. Apply trowel, and float filler to achieve smooth, flat, hard surface. Prohibit traffic until filler is cured.
C. Vacuum clean substrate.

3.03 INSTALLATION

- A. Starting installation constitutes acceptance of subfloor conditions.
B. Install carpet tile in accordance with manufacturer's instructions.
C. Blend carpet from different cartons to ensure minimal variation in color match.
D. Cut carpet tile clean. Fit carpet tight to intersection with vertical surfaces without gaps.
E. Lay carpet tile in pattern as indicated on drawings, set aligned as indicated on shop drawings.
F. Locate change of color or pattern between rooms under door centerline.
G. Fully adhere carpet tile to substrate.
H. Trim carpet tile neatly at walls and around interruptions.
I. Complete installation of edge strips, concealing exposed edges.

3.04 INSTALLATION ON STAIRS

- A. Lay carpet with pile direction in the length of the stair.
B. Adhere carpet tight to stair treads and risers.

3.05 CLEANING

- A. Remove excess adhesive without damage, from floor, base, and wall surfaces.
B. Clean and vacuum carpet surfaces.

END OF SECTION

SECTION 09 84 30 SOUND-ABSORBING WALL AND CEILING UNITS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Sound-absorbing panels.
B. Mounting accessories.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.03 REFERENCE STANDARDS

- A. ASTM C423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method; 2017.
B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2020.
C. ASTM E795 - Standard Practices for Mounting Test Specimens During Sound Absorption Tests; 2016.

1.04 SUBMITTALS

- A. Product Data: Manufacturer's printed data sheets for products specified.
B. Shop Drawings: Fabrication and installation details, panel layout and fabric orientation.
C. Verification Samples: Fabricated samples of each type of panel specified; 12 by 12 inch, showing construction, edge details, and fabric covering.
D. Test Reports: Certified test data from an independent test agency verifying that panels meet specified requirements for acoustical and fire performance.
E. Manufacturer's qualification statement.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products of the type specified in this section, with at least three years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Protect acoustical units from moisture during shipment, storage, and handling. Deliver in factory-wrapped bundles; do not open bundles until units are needed for installation.
B. Store units flat, in dry, well-ventilated space; do not stand on end.
C. Protect edges from damage.

PART 2 PRODUCTS

2.01 FABRIC-COVERED SOUND-ABSORBING UNITS

- A. Manufacturers:
1. Acoustical Solutions; AlphaSorb: www.acousticalsolutions.com.
2. Acoustical Surfaces; NOISE S.T.O.P. Fabrisorb: www.acousticalsurfaces.com.
3. Carnegie Xorel; Artform: www.carnegiefabrics.com.
4. Conwed Designscape/Wall Technology; Respond A: www.conweddesignscape.com/#sle.
5. Decoustics: www.decoustics.com.
6. G&S Acoustics; Acousti-Panel: www.gsacoustics.com.
7. Kinetics Noise; Core Elements: www.kineticsnoise.com.
B. General:
1. Prefinished, factory assembled fabric-covered panels.
2. Surface Burning Characteristics: Flame spread index of 25 or less and smoke developed index of 450 or less, when tested in accordance with ASTM E84.
C. Fabric-Covered Acoustical Panels for Walls:
1. Panel Core: Manufacturer's standard rigid or semi-rigid fiberglass core.
2. Core Density: 6 to 7 lb/cu ft.
3. Sound Absorption: Noise Reduction Coefficient (NRC) or Sound Absorption Average (SAA) of 1.05 when tested in accordance with ASTM C423 for Type A mounting, per ASTM E795.
4. Panel Size: As indicated on Drawings.
5. Panel Thickness: As required to meet required acoustical performance.
6. Edges: Perimeter edges reinforced by a formulated resin hardener, half-bevel.
7. Corners: Square.
8. Fabric: As indicated on Drawings.
9. Mounting Method: Contractor option:
a. Mounting Method: Direct applied with adhesive and impaling clips.
b. Mounting Method: Back-mounted with mechanical fasteners (Z-clips).

2.02 FABRICATION

- A. Fabric Wrapped, General: Fabricate panels to sizes and configurations as indicated, with fabric facing installed without sagging, wrinkles, blisters, or visible seams.
B. Tolerances: Fabricate to finished tolerance of plus or minus 1/16 inch for thickness, overall length and width, and squareness from corner to corner.

2.03 ACCESSORIES

- A. Back-Mounting Accessories: Manufacturer's standard accessories for concealed support, designed to allow panel removal, and as follows:
1. Two-part clip and base-support bracket system; brackets designed to support full weight of panels and clips designed for lateral support, with one part mechanically attached to back of panel and the other attached to substrate.
2. Metal impaling clips designed to support full weight of panels, mechanically attached to substrate and adhesively bonded to back of panels.
B. Panel Adhesive: Acceptable to acoustical panel manufacturer for application as indicated.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates for conditions detrimental to installation of acoustical units. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Install acoustical units in locations as indicated, following manufacturer's installation instructions.
B. Install mounting accessories and supports in accordance with shop drawings.
C. Align panels accurately, with edges plumb and top edges level. Scribe to fit accurately at adjoining work and penetrations.
D. Install acoustical units to construction tolerances of plus or minus 1/16 inch for the following:
1. Plumb and level.

2. Flatness.

3.03 CLEANING

- A. Clean sound-absorptive panels upon completion of installation from dust and other foreign materials, following manufacturer's instructions.

3.04 PROTECTION

- A. Provide protection of installed acoustical panels until Date of Substantial Completion.
B. Replace panels that cannot be cleaned and repaired to satisfaction of the Architect.

END OF SECTION

SECTION 09 91 23 INTERIOR PAINTING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface preparation.
B. Field application of paints.
C. Scope: Finish interior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated.
1. Both sides and edges of plywood backboards for electrical and telecom equipment before installing equipment.
2. Prime surfaces to receive wall coverings.
3. Mechanical and Electrical:
a. In finished areas, paint insulated and exposed pipes, conduit, boxes, insulated and exposed ducts, hangers, brackets, collars and supports, mechanical equipment, and electrical equipment, unless otherwise indicated.
b. In finished areas, paint shop-primed items.
c. Paint interior surfaces of air ducts that are visible through grilles and louvers with one coat of flat black paint to visible surfaces.
d. Paint dampers exposed behind louvers, grilles, to match face panels.
D. Do Not Paint or Finish the Following Items:
1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
2. Items indicated to receive other finishes.
3. Items indicated to remain unfinished.
4. Fire rating labels, equipment serial number and capacity labels, bar code labels, and operating parts of equipment.
5. Stainless steel, anodized aluminum, bronze, terne-coated stainless steel, and lead items.
6. Floors, unless specifically indicated.
7. Ceramic and other tiles.
8. Glass.
9. Acoustical materials, unless specifically indicated.
10. Concealed pipes, ducts, and conduits.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
B. Section 07 84 00 - Firestopping: Marking and identification of walls required to have protected openings or penetrations.

1.03 REFERENCE STANDARDS

- A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; current edition.
B. MPI (APSM) - Master Painters Institute Architectural Painting Specification Manual; Current Edition.
C. SCAQMD 1113 - Architectural Coatings; 1977 (Amended 2016).
D. SSPC-SP 1 - Solvent Cleaning; 2015, with Editorial Revision (2016).
E. SSPC-SP 2 - Hand Tool Cleaning; 2018.

1.04 SUBMITTALS

- A. Product Data: Provide complete list of products to be used, with the following information for each:
1. Manufacturer's name, product name and/or catalog number, and general product category (e.g., "alkyd enamel").
2. MPI product number (e.g., MPI #47).
3. Cross-reference to specified paint system(s) product is to be used in; include description of each system.
4. Manufacturer's installation instructions.
5. If proposal of substitutions is allowed under submittal procedures, explanation of substitutions proposed.
B. Samples: Submit three paper "draw down" samples, 8-1/2 by 11 inches in size, illustrating range of colors available for each finishing product specified.
1. Where sheen is specified, submit samples in only that sheen.
2. Where sheen is not specified, discuss sheen options with Architect before preparing samples, to eliminate sheens not required.
C. Certification: By manufacturer that paints and finishes comply with VOC limits specified.
D. Manufacturer's Instructions: Indicate special surface preparation procedures.
E. Maintenance Data: Submit data including finish schedule showing where each product/color/finish was used, product technical data sheets, material safety data sheets (MSDS), care and cleaning instructions, touch-up procedures, repair of painted and finished surfaces, and color samples of each color and finish used.
F. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
1. Extra Paint and Finish Materials: 1 gallon of each color; from the same product run, store where directed.
2. Label each container with color in addition to the manufacturer's label.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum three years documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.07 FIELD CONDITIONS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.
C. Minimum Application Temperatures for Paints: 50 degrees F for interiors unless required otherwise by manufacturer's instructions.
D. Provide lighting level of 80 ft candles measured mid-height at substrate surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Provide paints and finishes from the same manufacturer to the greatest extent possible.
1. Substitution of other products by the same manufacturer is preferred over substitution of products by a different manufacturer.
2. Substitution of a different paint system using MPI-approved products by the same manufacturer will be considered.
B. Paints:
1. PPG Paints: www.ppgpaints.com/#sle.
2. Sherwin-Williams Company: www.sherwin-williams.com/#sle.
3. Benjamin Moore: www.benjaminmoore.com.
C. Primer Sealers: Same manufacturer as top coats.

2.02 PAINTS AND FINISHES - GENERAL

- A. Paints and Finishes: Ready-mixed, unless intended to be a field-catalyzed paint.
1. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
2. Provide materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
3. Supply each paint material in quantity required to complete entire project's work from a single production run.
4. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.
B. Volatile Organic Compound (VOC) Content:
1. Provide paints and finishes that comply with the most stringent requirements specified in the following:
a. 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.
b. SCAQMD 1113 Rule.
2. Determination of VOC Content: Testing and calculation in accordance with 40 CFR 59, Subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.
C. Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by Architect from the manufacturer's full line.
D. Colors: As indicated on drawings.
1. In finished areas, finish pipes, ducts, conduit, and equipment the same color as the wall/ceiling under which they are mounted.

2.03 PAINT SYSTEMS - INTERIOR

- A. Paint I-OP - Interior Surfaces to be Painted, Unless Otherwise Indicated: Including gypsum board.
1. Two top coats and one coat primer.
2. Top Coat(s): Institutional Low Odor/VOC Interior Latex.
a. Products:
1) PPG Paints Pure Performance Interior Latex, 9-110XI Series, Flat. (MPI #143)
2) PPG Paints Pure Performance Interior Latex, 9-310XI Series, Eggshell. (MPI #144)
3) Sherwin-Williams ProMar 200 Zero VOC Interior Latex, Flat.
4) Sherwin-Williams ProMar 200 Zero VOC Interior Latex, Low Sheen. (MPI #144)
3. Top Coat Sheen:
a. Flat: MPI gloss level 1; use this sheen for ceilings and other overhead surfaces.
b. Eggshell: MPI gloss level 3; use this sheen at all locations unless otherwise noted.
4. Primer: As recommended by top coat manufacturer for specific substrate.
B. Paint I-OP-MD-DT - Medium Duty Door/Trim: For surfaces subject to frequent contact by occupants, including metals:
1. Medium duty applications include doors, door frames, and railings.
2. Two top coats and one coat primer.
3. Top Coat(s): Interior Light Industrial Coating, Water Based; MPI #151, 153 or 154.
a. Products:
1) PPG Paints Pitt-Tech Plus WB DTM Industrial Enamel. 4216 HP Series, Semi-Gloss. (MPI #153)
2) Sherwin-Williams Pro Industrial Acrylic Coating, Semi-Gloss. (MPI #153)
4. Top Coat Sheen:



ALASKA COURT SYSTEM KOTZEBUE COURTHOUSE CONSOLIDATION & SECURITY UPGRADES KOTZEBUE, ALASKA

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: DN
CHECKED BY: LK

SPECIFICATIONS A012

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

5/2/2023 9:41:34 AM

- 5. a. Semi-Gloss: MPI gloss level 5; use this sheen at all locations.
- Primer: As recommended by top coat manufacturer for specific substrate.
- C. Paint I-OP-MD-WC - Medium Duty Vertical and Overhead: Including gypsum board, uncoated steel, shop primed steel, galvanized steel, and aluminum.
 - 1. Two top coats and one coat primer.
 - 2. Top Coat(s): Interior Light Industrial Coating, Water Based.
 - a. Products:
 - 1) PPG Paints Pitt-Glaze WB1 Pre-Catalyzed Water-Borne Acrylic Epoxy, 16-310 Series, Eggshell. (MPI #151)
 - 2) PPG Paints Pitt-Tech Plus WB DTM Industrial Enamel, 4216 HP Series, Semi-Gloss. (MPI #153)
 - 3) Sherwin-Williams Pro Industrial Acrylic Coating, Semi-Gloss. (MPI #153)
 - 4) Sherwin-Williams Pro Industrial Pre-Catalyzed Waterbased Epoxy, Eg-Shel. (MPI #151)
 - 3. Top Coat Sheen:
 - a. Eggshell: MPI gloss level 3; use this sheen for painted gypsum walls and ceilings in Toilets, Restrooms, and Locker Rooms.
 - b. Semi-Gloss: MPI gloss level 5; use this sheen at all locations unless noted otherwise.
 - 4. Primer: As recommended by top coat manufacturer for specific substrate.

2.04 ACCESSORY MATERIALS

- A. Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of painted surfaces.
- B. Patching Material: Latex filler.
- C. Fastener Head Cover Material: Latex filler.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin application of paints and finishes until substrates have been adequately prepared.
- B. Verify that surfaces are ready to receive work as instructed by the product manufacturer.
- C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.
- D. Test shop-applied primer for compatibility with subsequent cover materials.
- E. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces is below the following maximums:
 - 1. Gypsum Wallboard: 12 percent.

3.02 PREPARATION

- A. Clean surfaces thoroughly and correct defects prior to application.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Remove or repair existing paints or finishes that exhibit surface defects.
- D. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.
- E. Seal surfaces that might cause bleed through or staining of topcoat.
- F. Gypsum Board: Fill minor defects with filler compound. Spot prime defects after repair.
- G. Insulated Coverings: Remove dirt, grease, and oil from canvas and cotton.
- H. Aluminum: Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
- I. Galvanized Surfaces:
 - 1. Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
 - 2. Prepare surface according to SSPC-SP 2.
- J. Ferrous Metal:
 - 1. Solvent clean according to SSPC-SP 1.
 - 2. Shop-Primed Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.
- K. Metal Doors to be Painted: Prime metal door top and bottom edge surfaces.

3.03 APPLICATION

- A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.
- B. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".
- C. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.
- D. Apply each coat to uniform appearance in thicknesses specified by manufacturer.
- E. Dark Colors and Deep Clear Colors: Regardless of number of coats specified, apply as many coats as necessary for complete hide.
- F. Sand wood and metal surfaces lightly between coats to achieve required finish.
- G. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.
- H. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.04 CLEANING

- A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.05 PROTECTION

END OF SECTION

SECTION 10 14 23

PANEL SIGNAGE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Panel signage.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.03 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- B. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.

1.04 SUBMITTALS

- A. Product Data: Manufacturer's product literature for each type of panel sign, indicating styles, font, foreground and background colors, locations, and overall dimensions of each sign.
- B. Shop Drawings:
 - 1. Include dimensions, locations, elevations, materials, text and graphic layout, attachment details, and schedules.
 - 2. Schedule: Provide information sufficient to completely define each panel sign for fabrication, including room number, room name, other text to be applied, sign and letter sizes, fonts, and colors.
 - a. When room numbers to appear on signs differ from those on drawings, include the drawing room number on schedule.
 - b. When content of signs is indicated to be determined later, request such information from Owner through Architect at least 2 months prior to start of fabrication; upon request, submit preliminary schedule.
 - c. Submit for approval by Owner through Architect prior to fabrication.
- C. Samples: Submit two samples of each type of sign, of size similar to that required for project, indicating sign style, font, and method of attachment.
- D. Selection Samples: Where colors, materials, and finishes are not specified, submit two sets of color selection charts or chips.
- E. Verification Samples: Submit samples showing colors, materials, and finishes specified.
- F. Manufacturer's Installation Instructions: Include installation templates and attachment devices.
- G. Manufacturer's qualification statement.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Package signs as required to prevent damage before installation.
- B. Package room and door signs in sequential order of installation, labeled by floor or building.
- C. Store under cover and elevated above grade.
- D. Store tape adhesive at normal room temperature.

PART 2 PRODUCTS

2.01 REGULATORY REQUIREMENTS

- A. Accessibility Requirements: Comply with ADA Standards and ICC A117.1 and applicable building codes, unless otherwise indicated; in the event of conflicting requirements, comply with the most restrictive requirements.

2.02 PANEL SIGNAGE

- A. Panel Signage:
 - 1. Description: Flat signs with sand blasted plastic panel media, tactile characters.
 - 2. Sign Size: As indicated on Drawings.
 - 3. Total Thickness: Minimum 1/8 inch.
 - 4. Sign Edges: Squared.
 - 5. Letter Edges: Bevelled.
 - 6. Corners: Squared.
 - 7. Color and Font, unless otherwise indicated:
 - a. Character Font: As indicated on Drawings.
 - b. Character Case: Upper case only.
 - c. Background, Border and Blank Backer Color: As indicated on drawings.
 - d. Character Color: Contrasting color.
 - 8. Material: High gloss acrylic plastic with letters and graphics sandblasted to dull sheen.
 - 9. Profile: Flat panel without frame.
 - 10. Tactile Letters: Raised 1/32 inch minimum.
 - 11. Braille: Grade II, ADA-compliant.
 - 12. One-Sided Wall Mounting: Tape adhesive.
 - a. Provide sign blank which matches background panel where signs are indicated to be mounted on glass.
 - 13. Projection Wall Mounting: Concealed or exposed screws.

2.03 SIGNAGE APPLICATIONS

- A. Room and Door Signs:
 - 1. Office Doors: Identify with the room names and numbers indicated on drawings; provide "window" section for replaceable occupant name.
 - 2. Conference and Meeting Rooms: Identify with the room names and numbers indicated on drawings.
 - 3. Service Rooms: Identify with room names and numbers indicated on drawings.
 - 4. Rest Rooms: Identify with pictograms, the names "MEN" and "WOMEN", room numbers to be determined later, and braille.
- B. Interior Directional and Informational Panel Signs:
 - 1. Where projecting from wall signs are indicated, provide two-sided signs with same information on both sides.

2.04 ACCESSORIES

- A. Concealed Screws: Noncorroding metal; stainless steel, galvanized steel, chrome plated, or other.
- B. Exposed Screws: Stainless steel.
- C. Tape Adhesive: Double-sided tape, permanent adhesive.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that substrate surfaces are ready to receive work.
- B. Notify Architect if conditions are not suitable for installation of signs; do not proceed until conditions are satisfactory.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install with horizontal edges level.
- C. Locate panel signs and mount at heights indicated on drawings and in accordance with ADA Standards and ICC A117.1.
- D. Protect from damage until Date of Substantial Completion; repair or replace damaged items.

END OF SECTION

SECTION 10 21 13.13

METAL TOILET COMPARTMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Metal toilet compartments.
- B. Urinal screens.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.03 REFERENCE STANDARDS

1.04 SUBMITTALS

- A. Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall and floor supports, door swings.
- B. Product Data: Provide data on panel construction, hardware, and accessories.
- C. Third-party certified Health Product Declaration and/or Environmental Product Declaration, if available.
- D. Samples: Submit two samples of partition panels, 4 by 4 inch in size illustrating panel finish, color, and sheen.
- E. Manufacturer's Installation Instructions: Indicate special procedures.

PART 2 PRODUCTS

2.01 COMPONENTS

- A. Toilet Compartments: Baked enamelled or powder coated steel, floor-mounted headrail-braced.
- B. Doors, Panels, and Pilasters: Sheet steel faces, pressure bonded to sound deadening core, formed and closed edges; corners made with corner clips or mitered, welded, and ground smooth.
 - 1. Panel Faces: 20 gauge, 0.0359 inch.
 - 2. Door Faces: 22 gauge, 0.0299 inch.
 - 3. Pilaster Faces: 20 gauge, 0.0359 inch.
 - 4. Reinforcement: 12 gauge, 0.1046 inch.
 - 5. Internal Reinforcement: Provide in areas of attached hardware and fittings. Mark locations of reinforcement for partition mounted washroom accessories.
- C. Door and Panel Dimensions:
 - 1. Thickness: 1 inch.
 - 2. Door Width: 24 inch.
 - 3. Door Width for Handicapped Use: 36 inch, out-swinging.
 - 4. Height: ___ inch.
- D. Pilasters: 1-1/4 inch thick, of sizes required to suit compartment width and spacing.
- E. Urinal Screens: Wall mounted with two panel brackets, and floor-to-ceiling vertical upright consisting of tubular headrail stock and sockets anchored to floor and ceiling.

2.02 ACCESSORIES

- A. Pilaster Shoes: Formed chromed steel with polished finish, 3 inch high, concealing floor fastenings.
 - 1. Provide adjustment for floor variations with screw jack through steel saddles integral with pilaster.
- B. Head Rails: Hollow chrome-plated steel tube, 1 by 1-5/8 inch size, with anti-grip strips and cast socket wall brackets.
- C. Brackets: Satin stainless steel.
- D. Hardware: Polished chrome plated non-ferrous cast metal:
 - 1. Pivot hinges, gravity type, adjustable for door close positioning; two per door.
 - 2. Thumb turn or sliding door latch with exterior emergency access feature.
 - 3. Door strike and keeper with rubber bumper, mounted on pilaster in alignment with door latch.
 - 4. Coat hook with rubber bumper; one per compartment, mounted on door.
 - 5. Provide door pull for outswinging doors.

2.03 FINISHING

- A. Powder Coated Steel Compartments: Clean, degrease, and neutralize. Follow immediately with a phosphatizing treatment, prime coat and two finish coats powder coat enamel.

- B. Baked Enamel Steel Compartments: Clean, degrease, and neutralize. Follow immediately with a phosphatizing treatment, prime coat and two finish coats baked enamel.
- C. Colors: Color as selected for door; color as selected for panels.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that field measurements are as indicated.
- C. Verify correct spacing of and between plumbing fixtures.
- D. Verify correct location of built-in framing, anchorage, and bracing.

3.02 INSTALLATION

- A. Install partitions secure, rigid, plumb, and level in accordance with manufacturer's instructions.
- B. Maintain 3/8 to 1/2 inch space between wall and panels and between wall and end pilasters.
- C. Attach panel brackets securely to walls using anchor devices.
- D. Attach panels and pilasters to brackets. Locate head rail joints at pilaster center lines.

3.03 TOLERANCES

- A. Maximum Variation From True Position: 1/4 inch.
- B. Maximum Variation From Plumb: 1/8 inch.

3.04 ADJUSTING

- A. Adjust and align hardware to uniform clearance at vertical edge of doors, not exceeding 3/16 inch.
- B. Adjust hinges to position doors in partial opening position when unlatched. Return out swinging doors to closed position.
- C. Adjust adjacent components for consistency of line or plane.

END OF SECTION

SECTION 10 26 00

WALL AND DOOR PROTECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Rub rails.
- B. Corner guards.
- C. Protective wall covering.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.03 REFERENCE STANDARDS

- A. ASTM D256 - Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics; 2010 (Reapproved 2018).
- B. ASTM D4060 - Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser; 2019.
- C. ASTM D543 - Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents; 2020.
- D. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2020.
- E. ASTM F476 - Standard Test Methods for Security of Swinging Door Assemblies; 2014.
- F. ASTM F793/F793M - Standard Classification of Wall Coverings by Use Characteristics; 2015.
- G. ASTM F793/F793M - Standard Classification of Wall Coverings by Use Characteristics; 2015.
- H. ASTM G21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi; 2015.
- I. ASTM G22 - Standard Practice for Determining Resistance of Plastics to Bacteria.

1.04 SUBMITTALS

- A. Product Data, Corner Guards: Submit manufacturer's product and specification data; indicate physical dimensions, features, wall mounting brackets with mounted measurements, and anchorage details.
- B. Product Data, Protective Wall Coverings: Submit manufacturer's product and specification data; indicate physical dimensions and features.
- C. Third-party certified Health Product Declaration and/or Environmental Product Declaration and/or Declare@ Label(s) for each product indicated, if available.
- D. Samples: Submit samples illustrating component design, configurations, joinery, color and finish.
 - 1. Submit two sections of corner guards, 24 inches long.
 - 2. Submit two samples of protective wall covering, 6 by 6 inches square.
- E. Manufacturer's Instructions: Indicate special procedures, perimeter conditions requiring special attention, and seaming instructions for protective wall covering.
- F. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
- G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project:
 - 1. Extra Stock Materials: One package(s) of minimum 96 inches long unit of each kind of covers for corner guards.
 - 2. Extra Stock Materials: Minimum 32 square feet of (HIP) protective wall covering.
- H. Maintenance Data: Manufacturer's instructions for care and cleaning of each type of product. Include information about both recommended and potentially detrimental cleaning materials and methods.



ALASKA COURT SYSTEM
**KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES**
KOTZEBUE, ALASKA

CONSULTANT:

PROJECT NO:	20-102	
DATE:	2023-05-01	
DRAWN BY:	DN	
CHECKED BY:	LK	
REVISION	DESCRIPTION	DATE

SPECIFICATIONS
A013

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102_ACS_Kotzebue_CH120-102_ACS_KOTZ_CH1A-Model.rvt

5/2/2023 9:41:35 AM

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver wall and door protection items in original, undamaged protective packaging. Label items to designate installation locations.
B. Protect work from moisture damage.
C. Protect work from UV light damage.
D. Do not deliver products to project site until areas for storage and installation are fully enclosed, and interior temperature and humidity are in compliance with manufacturer's recommendations for each type of item.
E. Store products in either horizontal or vertical position, in compliance with manufacturer's instructions.
F. Store protective wall covering materials at normal occupied building temperature and humidity for a minimum of 3 days before installation.
G. Rooms to receive protective wall covering materials: Weather tight with HVAC settings, including pressure, temperature, and relative humidity the same as those of occupied building for minimum 3 days before installation, throughout installation, and for 3 days after installation.

1.06 WARRANTY

- A. Manufacturer Warranty: Provide 5-year manufacturer warranty for each type of wall protection specified.

PART 2 PRODUCTS

2.01 BASIS OF DESIGN:

- A. Basis of Design Product: Subject to compliance with the requirements, provide product indicated in Interior Finish Schedule or approved substitution. Product manufacturer's designations indicate the basis for quality, performance, and aesthetic selection (pattern, color, overall compatibility with interior finish scheme, and acceptable care and maintenance routines).

2.02 MANUFACTURERS

- A. Corner Guards:
1. Alpar Architectural Products LLC: www.alpararch.com/#sle.
2. Babcock-Davis: www.babcockdavis.com/#sle.
3. Construction Specialties, Inc: www.c-sgroup.com/#sle.
4. Inpro: www.inprocorp.com/#sle.
5. Koroseal Interior Products: www.koroseal.com/#sle.
6. Nystrom, Inc: www.nystrom.com/#sle.
7. Pawling Corp: www.pawling.com/#sle.
8. Wallprotex: www.wallprotex.com.
B. Protective Wall Covering (HIP, WG):
1. Babcock-Davis: www.babcockdavis.com/#sle.
2. Construction Specialties, Inc: www.c-sgroup.com/#sle.
3. Inpro: www.inprocorp.com/#sle.
4. Koroseal Interior Products: www.koroseal.com/#sle.
5. Nystrom, Inc: www.nystrom.com/#sle.
6. Pawling Corp: www.pawling.com/#sle.
7. Wallprotex: www.wallprotex.com.

2.03 PERFORMANCE CRITERIA, RIGID VINYL (CG, HIP)

- A. Impact Strength: Unless otherwise noted, provide protection products and assemblies that have been successfully tested for compliance with applicable provisions of ASTM D256 and/or ASTM F476.
B. Chemical and Stain Resistance: Unless otherwise noted, provide protection products and assemblies with chemical and stain resistance complying with applicable provisions of ASTM D543.
C. Fungal Resistance: Unless otherwise noted, provide protection products and assemblies which pass ASTM G21 testing.

2.04 PRODUCT TYPES

- A. Chair Rails: Factory-fabricated, with beveled edges:
1. Material: High impact vinyl, color as indicated.
2. Surface Burning Characteristics: Provide assemblies with flame spread index of 25 or less and smoke developed index of 450 or less, when tested in accordance with ASTM E84.
3. Mounting: Surface.
B. Corner Guards - Surface Mounted:
1. Material: High impact vinyl with full height extruded aluminum retainer.
2. Performance: Resist lateral impact force of 100 lbs at any point without damage or permanent set.
3. Surface Burning Characteristics: Provide assemblies with flame spread index of 25 or less and smoke developed index of 450 or less, when tested in accordance with ASTM E84.
4. Width of Wings: 1-1/2 inches.
5. Corner: Square.
6. Color: As indicated.
7. Length: One piece.
8. Preformed end caps.
C. Protective Wall Covering (HIP):
1. Material: High-impact acrylic-modified vinyl.
2. Thickness: 0.060 inch.
3. Surface Burning Characteristics: Provide assemblies with flame spread index of 25 or less and smoke developed index of 450 or less, when tested in accordance with ASTM E84.
4. Color: As indicated on drawings.
5. Accessories: Provide manufacturer's standard color-matched trim and moldings.
a. Top Trim: Omit trim. Provide color-matched sealant along top edge.
b. Inside Corner Trim: Omit trim. Provide color-matched sealant at inside corner joint.
c. Outside Corner Trim: Omit trim and provide corner guard at outside corners unless noted otherwise.
d. Division Bar: Omit trim. Provide color-matched sealant in-plane butt joints.
6. Mounting: Adhesive. Exposed fasteners not permitted.
D. Adhesives and Primers: As recommended by manufacturer.
E. Mounting Brackets and Attachment Hardware: Appropriate to component and substrate.

2.05 FABRICATION

- A. Fabricate components with tight joints, corners and seams.
B. Pre-drill holes for attachment.
C. Form end trim closure by capping and finishing smooth.

2.06 SOURCE QUALITY CONTROL

- A. Provide wall and door protection systems of each type from a single source and manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that rough openings, concealed blocking, and anchors are correctly sized and located.
B. Verify that field measurements are as indicated on drawings.
C. Verify that substrate surfaces for adhered items are clean and smooth.
1. Test painted or wall covering surfaces for adhesion in inconspicuous area, as recommended by manufacturer. Follow adhesive manufacturer's recommendations for remedial measures at locations and/or application conditions where adhesion test's results are unsatisfactory.
D. Start of installation constitutes acceptance of project conditions.

3.02 INSTALLATION

- A. Install components in accordance with manufacturer's instructions, level and plumb, secured rigidly in position to supporting construction.
B. Position guards as indicated on drawings.
C. Position protective wall covering (HIP) no less than 1 inch above finished floor to allow for floor level variation.
1. Do not install wall covering more than 1/4 inch below top of resilient base.
2. Full-Height Installation: Establish a plumb line located at edge of starting point of first sheet to ensure following sheets will be installed plumb.
3. Wainscot Installation: Establish a level line at the specified height for entire length of run. Install by aligning top of edge of covering with this line.
4. Apply adhesive with 1/8 inch V-notch trowel to an area of wall surface that can be completed within cure time of the adhesive.
5. Install trim pieces as required for a complete installation. Allow tolerance for thermal movement.
6. At joints indicated to be caulked, allow for a minimum 1/16 inch wide gap between edges of sheets. Gaps are required to be of consistent width throughout the project.
7. Use a roller to ensure maximum contact with adhesive.
8. At inside and outside corners indicated to receive trim, cut covering sheets to facilitate installation of trim pieces or corner guards.

3.03 CLEANING

- A. Clean wall and door protection items of excess adhesive, dust, dirt, and other contaminants.

END OF SECTION

SECTION 10 28 00

TOILET, BATH, AND LAUNDRY ACCESSORIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Commercial toilet accessories.
B. Commercial shower and bath accessories.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.03 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
B. ASTM B456 - Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium; 2017.
C. ASTM C1036 - Standard Specification for Flat Glass; 2016.
D. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2018.

1.04 SUBMITTALS

- A. Product Data: Submit data on accessories describing size, finish, details of function, and attachment methods.
B. Third-party certified Health Product Declaration and/or Environmental Product Declaration, if available.
C. Manufacturer's Installation Instructions: Indicate special procedures and conditions requiring special attention.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Accessories - General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
B. Mirror Glass: Tempered safety glass, ASTM C1048; and ASTM C1036 Type I, Class 1, Quality Q2, with silvering as required.

2.02 FINISHES

- A. Stainless Steel: Satin finish, unless otherwise noted.
B. Chrome/Nickel Plating: ASTM B456, SC 2, polished finish, unless otherwise noted.

2.03 COMMERCIAL TOILET ACCESSORIES

- A. Toilet Paper Dispenser: Double roll, surface-mounted, stainless steel unit with pivot hinge, tumbler lock.

- B. Paper Towel Dispenser: Folded paper type, stainless steel, surface-mounted, with viewing slots on sides as refill indicator and tumbler lock.
1. Capacity: 300 C-fold minimum.
C. Waste Receptacle: Wall-mounted, stainless steel, seamless lower door for access to container, with tumbler lock, reinforced panel full height of door, continuously welded bottom pan and seamless exposed flanges.
1. Liner: Removable, heavy-duty vinyl liner, attached at a minimum of four points with stainless steel grommets and hooks.
2. Minimum capacity: 12 gallons.
D. Automated Soap Dispenser: Soap lather dispenser, wall-mounted, with ABS plastic cover and window to gauge soap level, tumbler lock. Owner-furnished, contractor-installed.
E. Mirrors: Stainless steel framed, 1/4 inch thick tempered safety glass; ASTM C1048.
1. Frame: 0.05 inch channel and angle shapes, with mitered and welded and ground corners, and tamperproof hanging system; satin finish.
2. Backing: Full-mirror sized, minimum 0.03 inch galvanized steel sheet and nonabsorptive filler material.
F. Grab Bars: Stainless steel, smooth surface.
1. Standard Duty Grab Bars:
a. Push/Pull Point Load: 250 pound-force, minimum.
b. Dimensions: 1-1/4 inch outside diameter, minimum 0.05 inch wall thickness, exposed flange mounting, 1-1/2 inch clearance between wall and inside of grab bar.
c. Finish: Satin.
d. Length and Configuration: As indicated on drawings.
G. Sanitary Napkin Disposal Unit: Stainless steel, surface-mounted, self-closing door, locking bottom panel with full-length stainless steel piano-type hinge, removable receptacle.

2.04 COMMERCIAL SHOWER AND BATH ACCESSORIES

- A. Shower Curtain Rod: Stainless steel tube, 1 inch outside diameter, 0.04 inch wall thickness, satin-finished, with 3 inch outside diameter, minimum 0.04 inch thick satin-finished stainless steel flanges, for installation with exposed fasteners.
B. Shower Curtain:
1. Material: Opaque vinyl, 0.008 inch thick, matte finish, with antibacterial treatment, flameproof and stain-resistant.
2. Grommets: Stainless steel; pierced through top hem on 6 inch centers.
3. Color: White.
4. Shower Curtain Hooks: Chrome-plated or stainless steel spring wire designed for snap closure.
C. Folding Shower Seat: Wall-mounted surface; welded tubular seat frame, structural support members, hinges, and mechanical fasteners of Type 304 stainless steel, rectangular seat.
1. Seat: Phenolic or polymeric composite one-piece seat or seat slats, of color as selected.
2. Size: ADA Standards compliant.
D. Robe Hook: Heavy-duty stainless steel, single-prong, rectangular-shaped bracket and backplate for concealed attachment, satin finish.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
B. Verify exact location of accessories for installation.

3.02 INSTALLATION

- A. Install accessories in accordance with manufacturers' instructions in locations indicated on drawings.
B. Install plumb and level, securely and rigidly anchored to substrate.
C. Mounting Heights: As required by accessibility regulations, unless otherwise indicated.

END OF SECTION

SECTION 10 44 00

FIRE PROTECTION SPECIALTIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fire extinguishers.
B. Fire extinguisher cabinets.
C. Accessories.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.03 REFERENCE STANDARDS

- A. FM (AG) - FM Approval Guide; current edition.
B. NFPA 10 - Standard for Portable Fire Extinguishers; 2017, with Errata (2018).
C. UL (DIR) - Online Certifications Directory; Current Edition.

1.04 SUBMITTALS

- A. Product Data: Provide extinguisher operational features, extinguisher ratings and classifications, color and finish, anchorage details, and installation instructions.
B. Shop Drawings: Indicate locations of cabinets, locations of individual fire extinguishers, and accessories required for complete installation.
C. Manufacturer's Installation Instructions: Indicate special criteria and wall opening coordination requirements.
D. Maintenance Data: Include test, refill or recharge schedules and re-certification requirements.

PART 2 PRODUCTS

2.01 FIRE EXTINGUISHERS

- A. Fire Extinguishers - General: Comply with product requirements of NFPA 10 and applicable codes, whichever is more stringent.
1. Provide extinguishers labeled by UL (DIR) or FM (AG) for purpose specified and as indicated.
B. Multipurpose Dry Chemical Type Fire Extinguishers: Carbon steel tank, with pressure gauge.
1. Class: A:B:C type.
2. Size: 10 pound.
3. Temperature range: Minus 40 degrees F to 120 degrees F.

2.02 FIRE EXTINGUISHER CABINETS

- A. Cabinet Construction: Non-fire rated.
B. Fire Rated Cabinet Construction: One-hour fire rated.
1. Steel; double wall or outer and inner boxes with 5/8 inch thick fire barrier material.
C. Cabinet Configuration: Semi-recessed type.
1. Size to accommodate accessories.
2. Trim: eased square, with 2 to 3 inch wide face.
D. Door: 0.036 inch metal thickness, reinforced for flatness and rigidity with roller type catch. Hinge doors for 180 degree opening with continuous piano hinge.
E. Door Glazing: Tempered glass, clear, 1/8 inch thick, and set in resilient channel glazing gasket.
F. Cabinet Mounting Hardware: Appropriate to cabinet, with pre-drilled holes for placement of anchors.
G. Fabrication: Weld, fill, and grind components smooth.
H. Finish of Cabinet Exterior Trim and Door: Clear, anodized aluminum.
I. Finish of Cabinet Interior: White colored enamel.

2.03 ACCESSORIES

- A. Extinguisher Brackets: Formed steel, galvanized and enamel finished.
B. Cabinet Signage: Fire Extinguisher.
C. Lettering: FIRE EXTINGUISHER decal, or vinyl self-adhering, pre-spaced black lettering in accordance with authorities having jurisdiction (AHJ).

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify rough openings for cabinet are correctly sized and located.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
B. Install cabinets plumb and level in wall openings, 48 inches from finished floor to top of cabinet.
C. Secure rigidly in place.
D. Place extinguishers in cabinets and on wall brackets.
E. Position cabinet signage at 80 inches from finished floor.

3.03 SCHEDULES

- A. Corridors/Office: Multipurpose Dry Chemical Type, Class A:B:C fire extinguisher, placed in cabinet.
B. Mechanical Room: Multipurpose Dry Chemical Type, Class A:B:C fire extinguisher mounted on wall brackets.

END OF SECTION

SECTION 10 51 13

METAL LOCKERS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Metal lockers.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.03 REFERENCE STANDARDS

1.04 SUBMITTALS

- A. Product Data: Manufacturer's published data on locker construction, sizes, and accessories.
B. Shop Drawings: Indicate locker plan layout, numbering plan.
C. Samples: Submit two samples 2 by 3 inches in size showing color and finish of metal locker material.
D. Manufacturer's Installation Instructions: Indicate component installation assembly.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Protect locker finish and adjacent surfaces from damage.

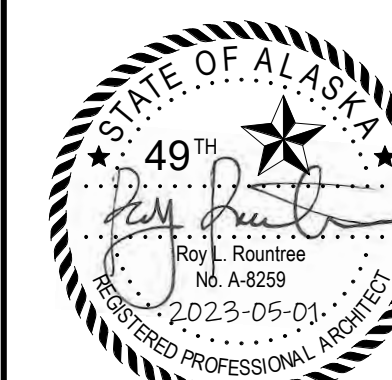
PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Metal Lockers:
1. Art Metal Products: www.artmetalproducts.com/#sle.
2. DeBourgh Manufacturing Co: www.debourgh.com/#sle.
3. List Industries, Inc: www.listindustries.com/#sle.
4. Lyon Workspace Products: www.lyonworkspace.com/#sle.
5. Penco Products, Inc: www.pencoproducts.com/#sle.
6. Republic Storage Systems Co: www.republicstorage.com/#sle.
7. Tennsco Storage: www.tennsco.com/#sle.

2.02 LOCKER APPLICATIONS

- A. Athletic Lockers: Metal lockers, free-standing for base indicated on drawings.



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA

Table with 3 columns: REVISION, DESCRIPTION, DATE. Includes a row for CONSULTANT: LK.

Table with 2 columns: PROJECT NO., DATE, DRAWN BY, CHECKED BY. Values: 20-102, 2023-05-01, DN, LK.

SPECIFICATIONS
A014

CORPORATE NO. AEECC219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102-ACS Kotzebue CH20-102-ACS KOTZ CHA-Model.rvt

5/2/2023 9:41:35 AM

1. Width: 12 inch.
2. Depth: 18 inches.
3. Height: 72 inches.
4. Configuration: Two tier.
5. Fittings: Size and configuration as indicated on drawings.
 - a. Hooks: One double-prong ceiling hook, two single-prong wall hook.
6. Ventilation: Perforated side panels and doors.
7. Locking: Padlock hasps, for padlocks provided by Owner.
 - a. Locking Action: Positive, automatic type, whereby locker may be locked when open, then closed without unlocking.
8. Provide sloped top.
9. Color: To be selected from manufacturer's full range by Architect.

2.03 METAL LOCKERS

- A. Locker Case Construction:
1. Heavy-Duty Welded Construction: Made of formed and welded together sheet steel; metal edges finished smooth without burrs, baked enamel or powder coat finished inside and out.
 - a. Assembly: Do not use bolts, screws, or rivets to assemble locker bodies.
 - B. Doors: Channel edge welded construction, manufacturer's standard stiffeners, grind and finish edges smooth.
 1. Door Thickness: #4 gauge, 0.0747 inch, minimum.
 2. Form recess for operating handle and locking device.
 - C. Latches and Door Handles:
 1. Latching: Manufacturer's standard for locking arrangement selected.
 - a. Three-Point Lift Handle Gravity Latch: Pocket-mounted, provide for doors 18 inches or taller.
 - 1) Handle Pocket, Recess: Stainless steel flush-mounted cup recessed into face of door.
 - 2) Handle: Steel finger lift mechanism with exposed portion encased in molded plastic trigger.
 - a) Padlock Eye: Integral with lift trigger, sized for use with 5/32 inch diameter padlock shackles.
 - 3) Latching Mechanism: Spring activated nylon slide latch enclosed in steel latch channel allows closing of door while padlock or built-in lock is in position.
 - 4) Lock Hole Filler Plate: Manufacturer's standard. Provide for lockers intended to be unsecured or secured with padlocks. Rubber bumpers riveted to door stops for silent operation.
 - 5) Rubber bumpers riveted to door stops for silent operation.
 - D. Hinges: Heavy-duty, 7-knuckle type: two for doors under 42 inches high, three for doors over 42 inches high.
 - E. Sloped Top: minimum 20 gauge, 0.0359 inch, with closed ends.
 - F. Trim: minimum 20 gauge, 0.0359 inch.
 - G. Coat Hooks: Stainless steel or zinc-plated steel.
 - H. Number Plates: Provide rectangular shaped aluminum plates. Form numbers _____ inch high of block font style with ADA designation, in contrasting color.
 - I. Built-In Lock Boxes: Same material as locker, manufacturer's standard size, with padlock hasps, for padlocks provided by Owner.
 - J. Locker Groups: Gang lockers in groups of two and assemble in factory for shipment as a single unit.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that prepared bases are in correct position and configuration.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Place and secure on prepared base.
- C. Install lockers plumb and square.
- D. Secure lockers with anchor devices to suit substrate materials. Minimum Pullout Force: 100 pounds.
- E. Bolt adjoining locker units together to provide rigid installation.
- F. Install end panels, filler panels, and sloped tops.
- G. Install fittings if not factory installed.
- H. Replace components that do not operate smoothly.

3.03 CLEANING

- A. Clean locker interiors and exterior surfaces.

END OF SECTION

SECTION 11 30 13

RESIDENTIAL APPLIANCES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Kitchen appliances

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Section 26 05 83 - Wiring Connections: Electrical connections for appliances.

1.03 REFERENCE STANDARDS

- A. UL (DIR) - Online Certifications Directory, Current Edition.

1.04 SUBMITTALS

- A. Product Data: Manufacturer's data indicating dimensions, capacity, and operating features of each piece of residential equipment specified.
- B. Copies of Warranties: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

- A. Electric Appliances: Listed and labeled by UL (DIR) and complying with NEMA Standards (National Electrical Manufacturers Association).

1.06 WARRANTY

- A. See Section 01 76 00 - Closeout Submittals, for additional warranty requirements.
- B. Provide five (5) year manufacturer warranty on refrigeration system of refrigerators.
- C. Provide ten (10) year manufacturer warranty on magnetron tube of microwave ovens.

PART 2 PRODUCTS

2.01 KITCHEN APPLIANCES

- A. Provide Equipment Eligible for Energy Star Rating: Energy Star Rated
- B. Refrigerator: Free-standing, top-mounted freezer, and frost-free
1. Capacity: Total minimum storage of 20 cubic ft; minimum 15 percent freezer capacity.
 2. Energy Usage: Minimum 20 percent more energy efficient than energy efficiency standards set by U.S. Department of Energy (DOE).
 3. Features: include glass shelves.
 4. Exterior Finish: Fingerprint-resistant Stainless steel.
 5. Manufacturers:
 - a. Frigidaire Home Products: www.frigidaire.com/#ale.
 - b. GE Appliances: www.geappliances.com/#ale.
 - c. Whirlpool Corp.: www.whirlpool.com/#ale.
- C. Microwave: Countertop.
1. Capacity: 1.1 cubic ft.
 2. Power: 1000 watts.
 3. Features: include turntable and cooktop light.
 4. Exterior Finish: Fingerprint-resistant stainless steel.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions.

3.02 CLEANING

- A. Remove packing materials from equipment and properly discard.
- B. Wash and clean equipment.

END OF SECTION

SECTION 12 30 00

COUNTERTOPS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Countertops for architectural cabinet work and finish carpentry.
- B. Wall-hung counters.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Section 08 20 00 - Finish Carpentry.
- C. Section 08 41 00 - Architectural Wood Casework: For cabinetry and countertop support brackets.
- D. Division 22 Sections for Plumbing Fixtures including Sinks.

1.03 REFERENCE STANDARDS

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2020.
- B. AIA/AIAW/MACWI (AWS) - Architectural Woodwork Standards, 2014, with Enact (2018).
- C. ISFA 2-01 - Classification and Standards for Solid Surfacing Material; 2013.
- D. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.
- E. SEFA 3 - Laboratory Work Surfaces; 2010.

1.04 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
 1. Preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.
 3. Specimen warranty.
- B. Third-party certified Health Product Declaration and/or Environmental Product Declaration and/or Declare® Label(s) for each product indicated, if available.
- C. Shop Drawings: Complete details of materials and installation; combine with shop drawings of cabinets and casework specified in other sections.
- D. Samples for Verification to be sent to both the Owner's Representative in Anchorage and to the Kotzebue Clerk of Courts:
 1. For each finish product specified, minimum size 6 inches square representing actual product, color, and patterns.
- E. Test Reports: Chemical resistance testing, showing compliance with specified requirements.
- F. Certificate: Submit labels and certificates required by quality assurance and quality control programs.
 1. Alakemately, Submit a quality control statement which illustrates compliance with and understanding of AIA AWS requirements, in general, and the specific AIA AWS requirements provided in this specification. The quality control statement shall also certify a minimum of ten years Contractor's experience in laminate clad casework fabrication and construction. The quality control statement shall provide a list of a minimum of five successfully completed projects of a similar scope, size, and complexity.
- G. Maintenance Data: Manufacturer's instructions and recommendations for maintenance and repair of countertop surfaces.

1.05 QUALITY ASSURANCE

- A. Unless otherwise noted on the drawings, all materials, construction methods, and fabrication shall conform to and comply with the custom grade quality standards as outlined in AIA AWS, Section for laminate clad cabinets. These standards shall apply in lieu of omissions or specific requirements in this specification.
- B. Contractors and their personnel engaged in the work shall be able to demonstrate successful experience with work of comparable extent, complexity and quality to that shown and specified.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.07 FIELD CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 PRODUCTS

2.01 BASIS OF DESIGN

- A. Basis of Design Product: Subject to compliance with the requirements, provide product indicated in Interior Finish Schedule or approved substitution. Product manufacturer's designations indicate the basis for quality, performance, and aesthetic selection (pattern, color, overall compatibility with interior finish scheme and acceptable care and maintenance routines).

2.02 COUNTERTOPS

- A. Quality Standard: Custom Grade, in accordance with AIAW/MACWI (AWS), unless noted otherwise.
- B. Quality Standard: SEFA 3 for laboratory worksurfaces.
- C. Plastic Laminate Countertops: High-pressure decorative laminate (HPDL) sheet bonded to substrate.
 1. Laminate Sheet: NEMA LD 3, Grade HGS, 0.048 inch nominal thickness.
 - a. Surface Burning Characteristics: Flame spread index of 25, maximum; smoke developed index of 450, maximum; when tested in accordance with ASTM E84.
 - b. Wear Resistance: In addition to specified grade, comply with NEMA LD 3 High Wear Grade requirements for wear resistance.
 - c. Finish: As indicated on drawings.
 - d. Surface Color and Pattern: As indicated on drawings.
 2. Exposed Edge Treatment: Molded vinyl edge, minimum 3mm thick, flat with square edges, sized to completely cover edge of panel.
 - a. Color: As selected by Architect from manufacturer's full range of standard and premium options and coordinated patterns and colors.
 3. Back and End Splashes: Same material, same construction.
- D. Solid Surfacing Countertops: Solid surfacing sheet or plastic resin-casting over continuous substrate.
 1. Flat Sheet Thickness: 1/2 inch, minimum.
 2. Solid Surfacing Sheet and Plastic Resin Castings: Complying with ISFA 2-01 and NEMA LD 3; acrylic or polyester resin, mineral filler, and pigments, homogeneous, non-porous and capable of being worked and repaired using standard woodworking tools; no surface coating; color and pattern consistent throughout thickness.
 - a. Surface Burning Characteristics: Flame spread index of 25, maximum; smoke developed index of 450, maximum; when tested in accordance with ASTM E84.
 - b. NSF approved for food contact.
 - c. Finish on Exposed Surfaces: Matte, gloss rating of 5 to 20.
 - d. Color and Pattern: As indicated on drawings.
 3. Other Components Thickness: 1/2 inch, minimum.
 4. Exposed Edge Treatment: Built up to minimum 1-1/4 inch thick, square edge.
 5. Back and End Splashes: Same sheet material, square top; minimum 4 inches high unless noted otherwise.

2.03 MATERIALS

- A. Adhesives: Chemical resistant waterproof adhesive as recommended by manufacturer of materials being joined.

2.04 FABRICATION

- A. Fabricate tops and splashes in the largest sections practicable, with top surface of joints flush.
 1. Join lengths of tops using best method recommended by manufacturer.
 2. Fabricate to overhang fronts and ends of cabinets 1/4 inch except where top butts against cabinet or wall.
 3. Prepare all cutouts accurately to size; replace tops having improperly dimensioned or unnecessary cutouts or future holes.
- B. Provide backend splash wherever counter edge abuts vertical surface unless otherwise indicated.
 1. Secure to countertop with concealed fasteners and with contact surfaces set in waterproof glue.
 2. Height: 4 inches, unless otherwise indicated.
- C. Solid Surfacing: Fabricate tops up to 144 inches long in one piece; join pieces with adhesive sealant in accordance with manufacturer's recommendations and instructions.
 1. Integral sinks: Shop-mount securely to countertop with adhesives, using flush configuration, as per manufacturer's instructions.
- D. Wall-Mounted Counters: Provide brackets and braces as indicated on drawings.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C. Verify that wall surfaces have been finished and mechanical and electrical services and outlets are installed in proper locations.

3.02 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.03 INSTALLATION

- A. Securely attach countertops to cabinets using concealed fasteners. Make flat surfaces level; shim where required.
- B. Attach plastic laminate countertops using screws with minimum penetration into substrate board of 5/8 inch.
- C. Seal joint between backend splashes and vertical surfaces.

3.04 CLEANING

- A. Clean countertops surfaces thoroughly.

3.05 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Date of Substantial Completion.

END OF SECTION



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA
100% CONSTRUCTION DOCUMENTS

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: DN
CHECKED BY: LK

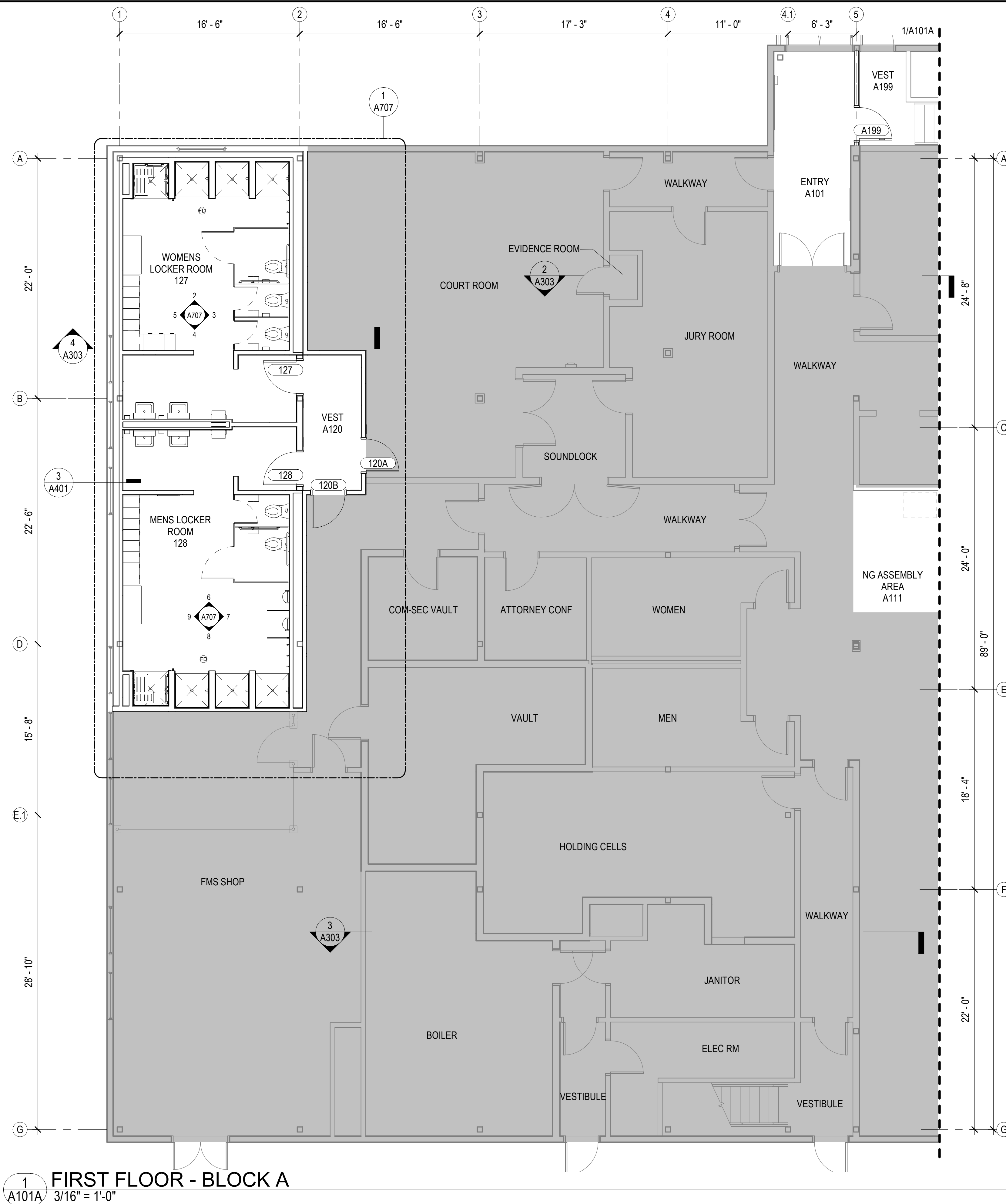
REVISION	DESCRIPTION	DATE

SPECIFICATIONS
A015

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

5/2/2023 9:41:38 AM



1 FIRST FLOOR - BLOCK A
A101A 3/16" = 1'-0"

GENERAL FLOOR PLAN NOTES

FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.

DIMENSIONING GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL/WOOD STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. UNLESS OTHERWISE NOTED ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE.

REFERENCE ELEVATION: ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION 0'-0" FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.

DEMOLITION NOTES: REFER TO AD100 SERIES SHEETS FOR CORRESPONDING DEMOLITION PLANS.

REFLECTED CEILING PLANS: REFER TO A200 SERIES SHEETS FOR CORRESPONDING RCP'S.

PARTITION/WALL RATINGS: UNLESS OTHERWISE NOTED PARTITION/WALL FIRE/SMOKE RATINGS ARE DESIGNATED ON SHEETS G002 AND A001.

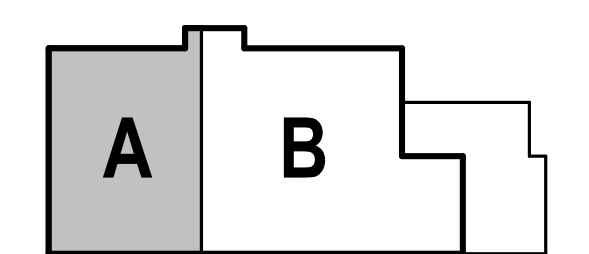
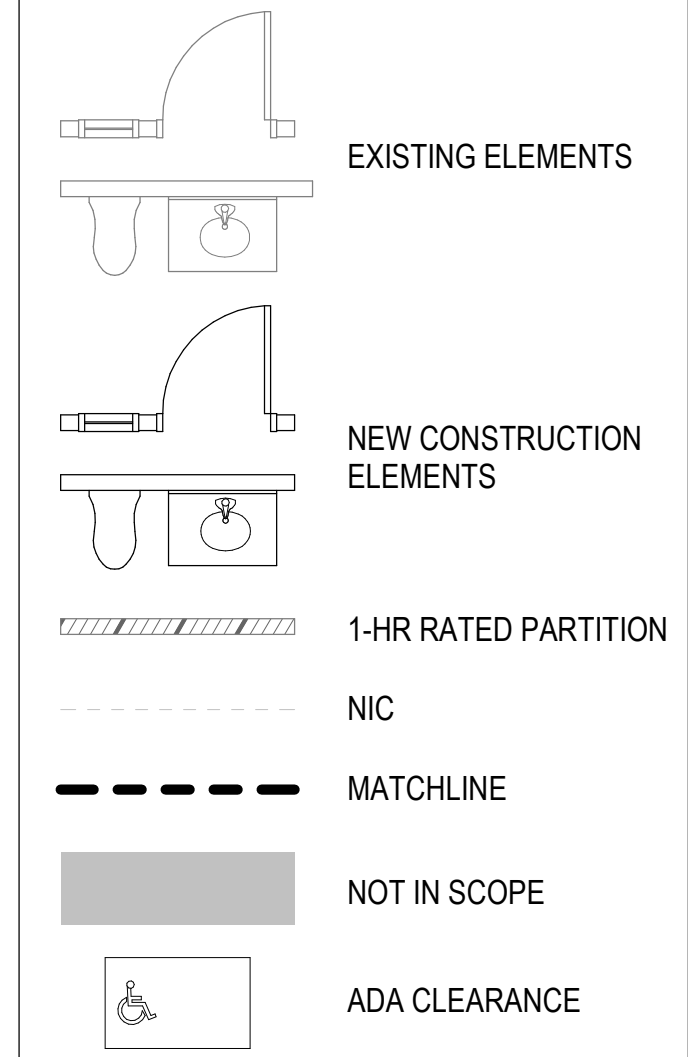
DOOR OPENINGS: ALL DOOR OPENINGS ARE TAGGED IN CORRESPONDENCE WITH THE DOOR TYPE SCHEDULE ON SHEET A911. TYPICAL DOOR JAMBS ARE LOCATED 6" FROM FACE OF STUD AT ADJACENT WALL TO JAMB ROUGH OPENING UNO.

ROOM FINISHES: ALL ROOM NAMES/NUMBERS ARE TAGGED IN CORRESPONDENCE WITH THE ROOM FINISH SCHEDULE ON SHEET A912.

MOUNTING HEIGHTS: REFER TO SHEET A701 FOR TYPICAL MOUNTING HEIGHTS FOR FIXTURES, ACCESSORY ITEMS, AND MISCELLANEOUS DEVICES.

FLOOR SLOPE: UNLESS OTHERWISE NOTED THE FLOOR SHALL BE SLOPED TO THE DRAIN IN AREAS TO RECEIVE FLOOR DRAINS SUCH AS RESTROOM/TOILET AREAS, KITCHENS, AND GARAGES.

RENOVATION BLOCK PLAN LEGEND



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION & SECURITY UPGRADES
KOTZEBUE, ALASKA

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

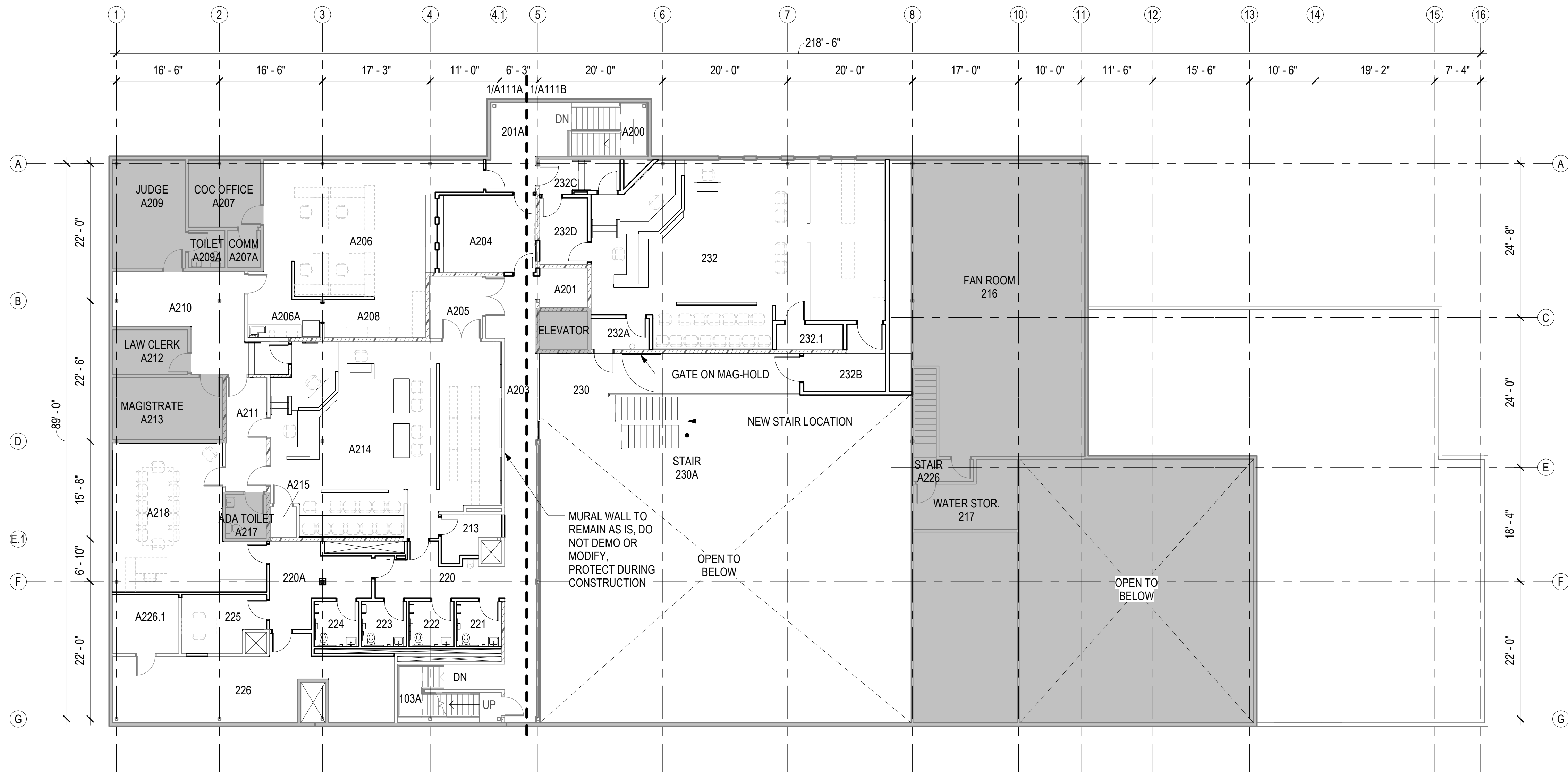
FIRST FLOOR PLAN - BLOCK A

A101A

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

5/2/2023 9:41:40 AM



1 SECOND FLOOR - OVERALL
A110 3/32" = 1'-0"

GENERAL FLOOR PLAN NOTES

FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.

DIMENSIONING GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL/WOOD STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. UNLESS OTHERWISE NOTED ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE.

REFERENCE ELEVATION: ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION 0'-0" FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.

DEMOLITION NOTES: REFER TO AD100 SERIES SHEETS FOR CORRESPONDING DEMOLITION PLANS.

REFLECTED CEILING PLANS: REFER TO A200 SERIES SHEETS FOR CORRESPONDING RCP'S.

PARTITION/WALL RATINGS: UNLESS OTHERWISE NOTED PARTITION/WALL FIRE/SMOKE RATINGS ARE DESIGNATED ON SHEETS G002 AND A001.

DOOR OPENINGS: ALL DOOR OPENINGS ARE TAGGED IN CORRESPONDENCE WITH THE DOOR TYPE SCHEDULE ON SHEET A911. TYPICAL DOOR JAMBS ARE LOCATED 6" FROM FACE OF STUD AT ADJACENT WALL TO JAMB ROUGH OPENING UNO.

ROOM FINISHES: ALL ROOM NAMES/NUMBERS ARE TAGGED IN CORRESPONDENCE WITH THE ROOM FINISH SCHEDULE ON SHEET A912.

MOUNTING HEIGHTS: REFER TO SHEET A701 FOR TYPICAL MOUNTING HEIGHTS FOR FIXTURES, ACCESSORY ITEMS, AND MISCELLANEOUS DEVICES.

FLOOR SLOPE: UNLESS OTHERWISE NOTED THE FLOOR SHALL BE SLOPED TO THE DRAIN IN AREAS TO RECEIVE FLOOR DRAINS SUCH AS RESTROOM/TOILET AREAS, KITCHENS, AND GARAGES.

OVERALL RENOVATION PLAN LEGEND

- EXISTING ELEMENTS TO REMAIN
- NEW CONSTRUCTION ELEMENTS
- MATCHLINE
- NOT IN SCOPE



**ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA**

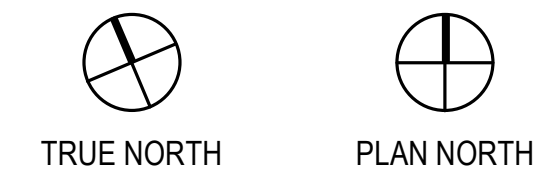
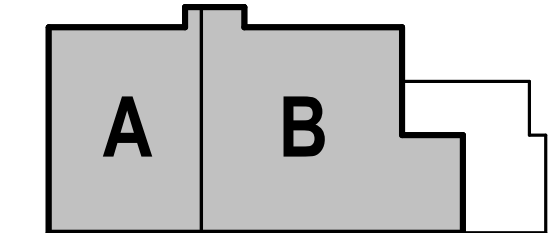
CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

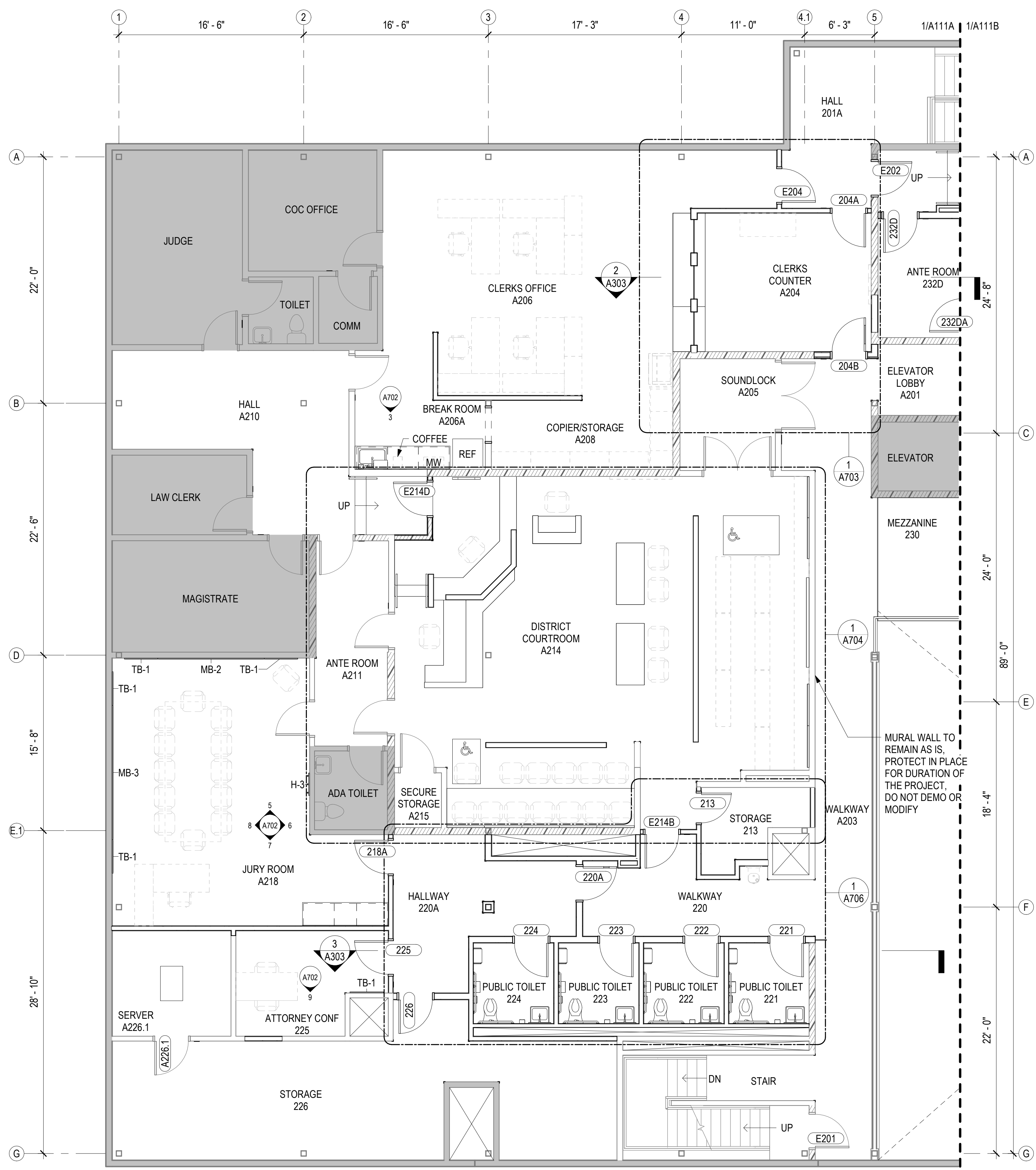
SECOND FLOOR PLAN - OVERALL

A110



IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

5/2/2023 9:41:41 AM Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt



1 SECOND FLOOR - BLOCK A
A111A 3/16" = 1'-0"

GENERAL FLOOR PLAN NOTES

FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.

DIMENSIONING GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL/WOOD STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. UNLESS OTHERWISE NOTED ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE.

REFERENCE ELEVATION: ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION 0'-0" FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.

DEMOLITION NOTES: REFER TO AD100 SERIES SHEETS FOR CORRESPONDING DEMOLITION PLANS.

REFLECTED CEILING PLANS: REFER TO A200 SERIES SHEETS FOR CORRESPONDING RCP'S.

PARTITION/WALL RATINGS: UNLESS OTHERWISE NOTED PARTITION/WALL FIRE/SMOKE RATINGS ARE DESIGNATED ON SHEETS G002 AND A001.

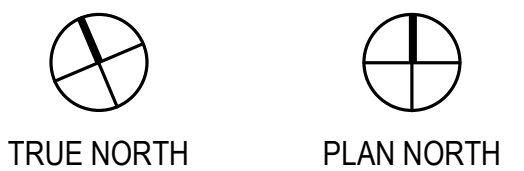
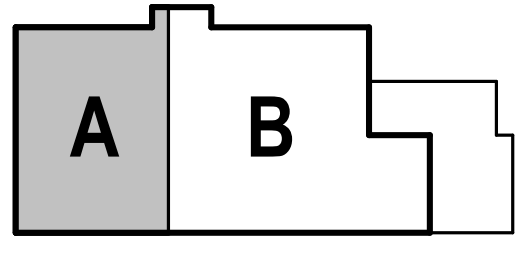
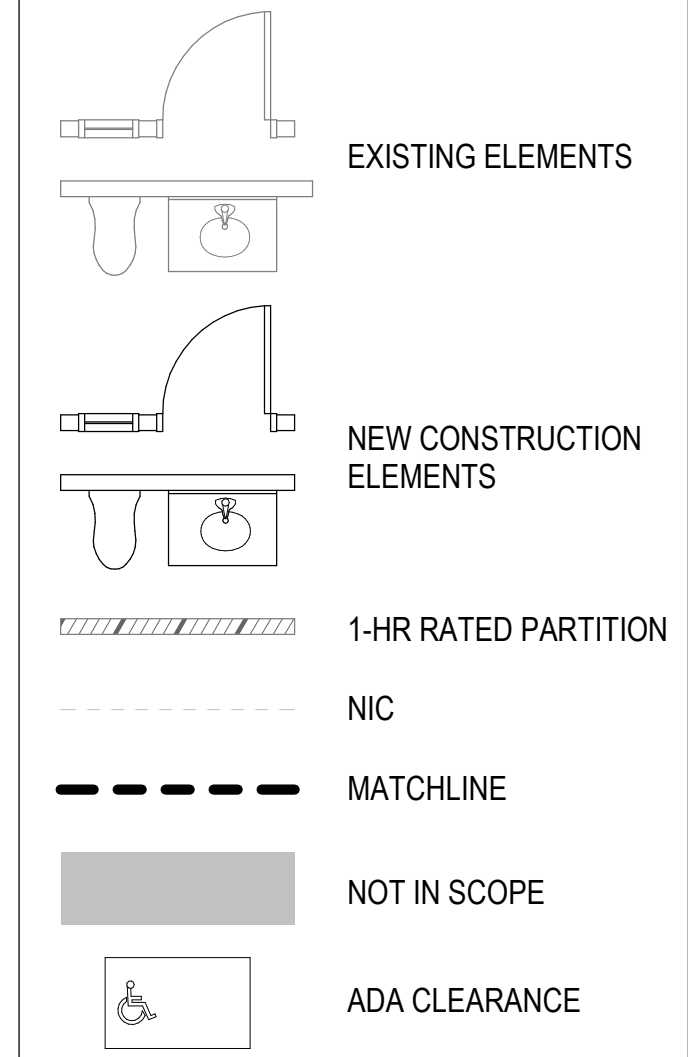
DOOR OPENINGS: ALL DOOR OPENINGS ARE TAGGED IN CORRESPONDENCE WITH THE DOOR TYPE SCHEDULE ON SHEET A911. TYPICAL DOOR JAMBS ARE LOCATED 6" FROM FACE OF STUD AT ADJACENT WALL TO JAMB ROUGH OPENING UNO.

ROOM FINISHES: ALL ROOM NAMES/NUMBERS ARE TAGGED IN CORRESPONDENCE WITH THE ROOM FINISH SCHEDULE ON SHEET A912.

MOUNTING HEIGHTS: REFER TO SHEET A701 FOR TYPICAL MOUNTING HEIGHTS FOR FIXTURES, ACCESSORY ITEMS, AND MISCELLANEOUS DEVICES.

FLOOR SLOPE: UNLESS OTHERWISE NOTED THE FLOOR SHALL BE SLOPED TO THE DRAIN IN AREAS TO RECEIVE FLOOR DRAINS SUCH AS RESTROOM/TOILET AREAS, KITCHENS, AND GARAGES.

RENOVATION BLOCK PLAN LEGEND



BETTISWORTH NORTH



**ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA**

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

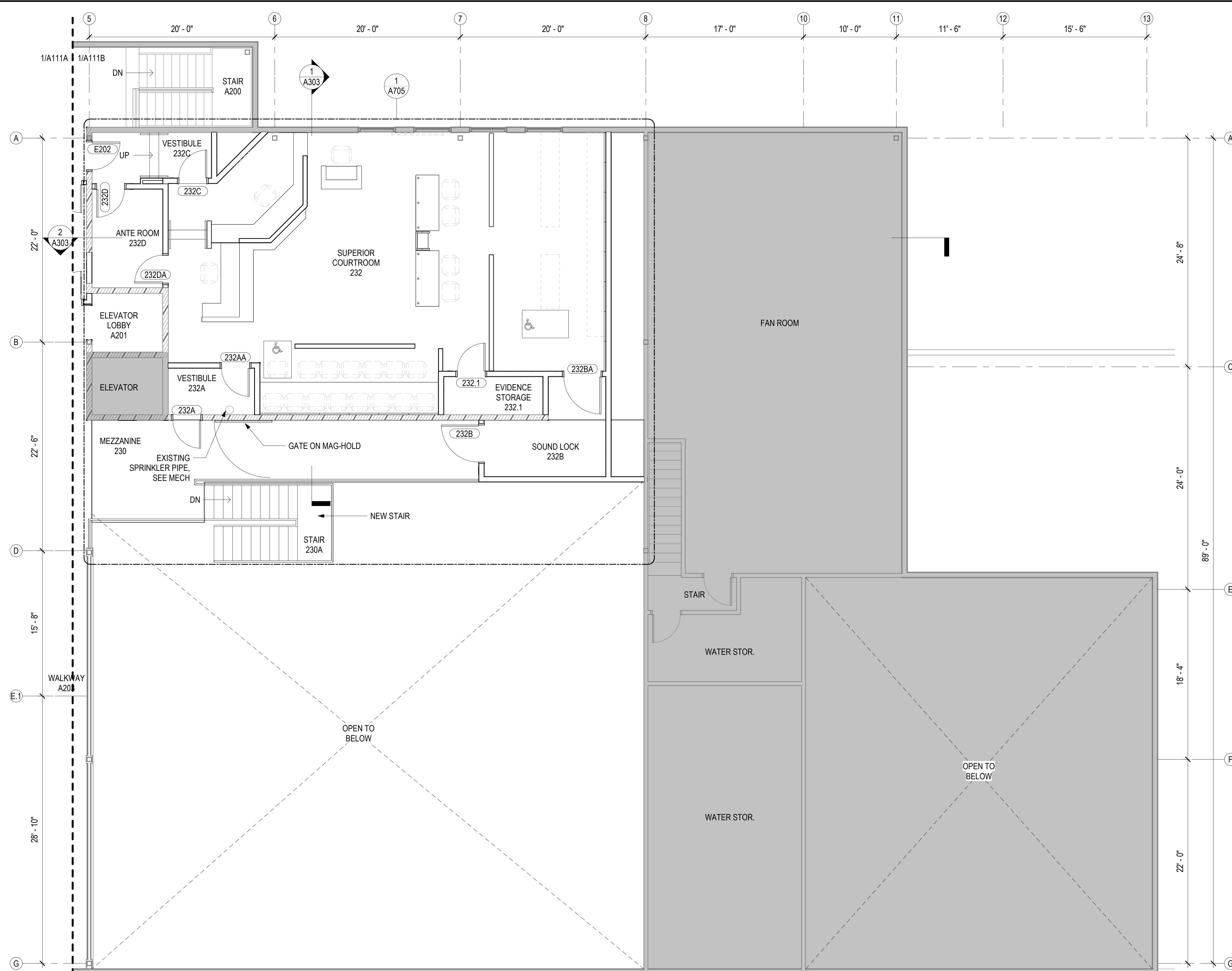
SECOND FLOOR PLAN - BLOCK A

A111A

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

5/2/2023 9:41:42 AM



1 SECOND FLOOR - BLOCK B
A111B 3/16" = 1'-0"

GENERAL FLOOR PLAN NOTES

FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.

DIMENSIONING GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL/WOOD STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. UNLESS OTHERWISE NOTED ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE.

REFERENCE ELEVATION: ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION 0'-0" FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.

DEMOLITION NOTES: REFER TO AD100 SERIES SHEETS FOR CORRESPONDING DEMOLITION PLANS.

REFLECTED CEILING PLANS: REFER TO A200 SERIES SHEETS FOR CORRESPONDING RCP'S.

PARTITION/WALL RATINGS: UNLESS OTHERWISE NOTED PARTITION/WALL FIRE/SMOKE RATINGS ARE DESIGNATED ON SHEETS G002 AND A001.

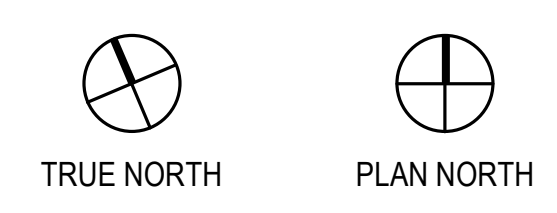
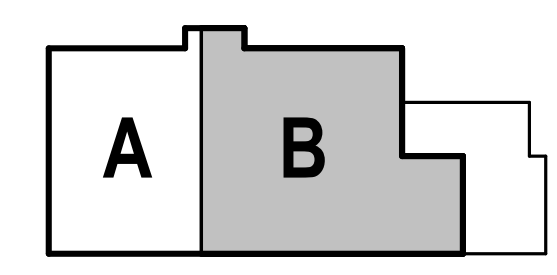
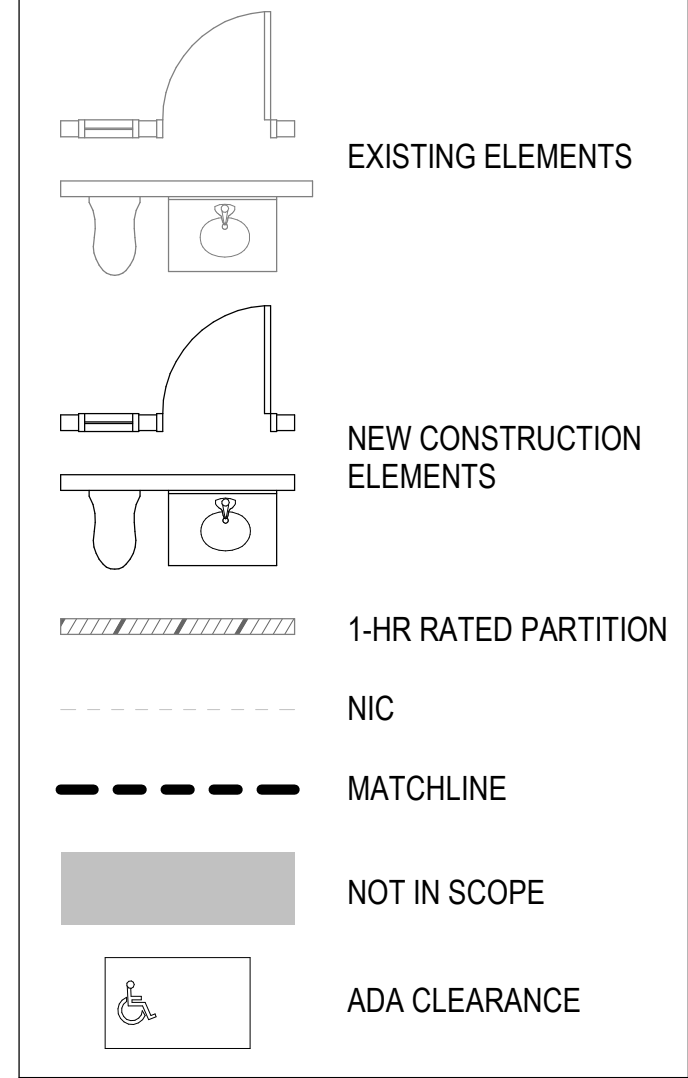
DOOR OPENINGS: ALL DOOR OPENINGS ARE TAGGED IN CORRESPONDENCE WITH THE DOOR TYPE SCHEDULE ON SHEET A911. TYPICAL DOOR JAMBS ARE LOCATED 6" FROM FACE OF STUD AT ADJACENT WALL TO JAMB ROUGH OPENING UNO.

ROOM FINISHES: ALL ROOM NAMES/NUMBERS ARE TAGGED IN CORRESPONDENCE WITH THE ROOM FINISH SCHEDULE ON SHEET A912.

MOUNTING HEIGHTS: REFER TO SHEET A701 FOR TYPICAL MOUNTING HEIGHTS FOR FIXTURES, ACCESSORY ITEMS, AND MISCELLANEOUS DEVICES.

FLOOR SLOPE: UNLESS OTHERWISE NOTED THE FLOOR SHALL BE SLOPED TO THE DRAIN IN AREAS TO RECEIVE FLOOR DRAINS SUCH AS RESTROOM/TOILET AREAS, KITCHENS, AND GARAGES.

RENOVATION BLOCK PLAN LEGEND



BETTISWORTH NORTH



**ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA**

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

SECOND FLOOR PLAN - BLOCK B

A111B

BETTISWORTH NORTH ARCHITECTS & PLANNERS

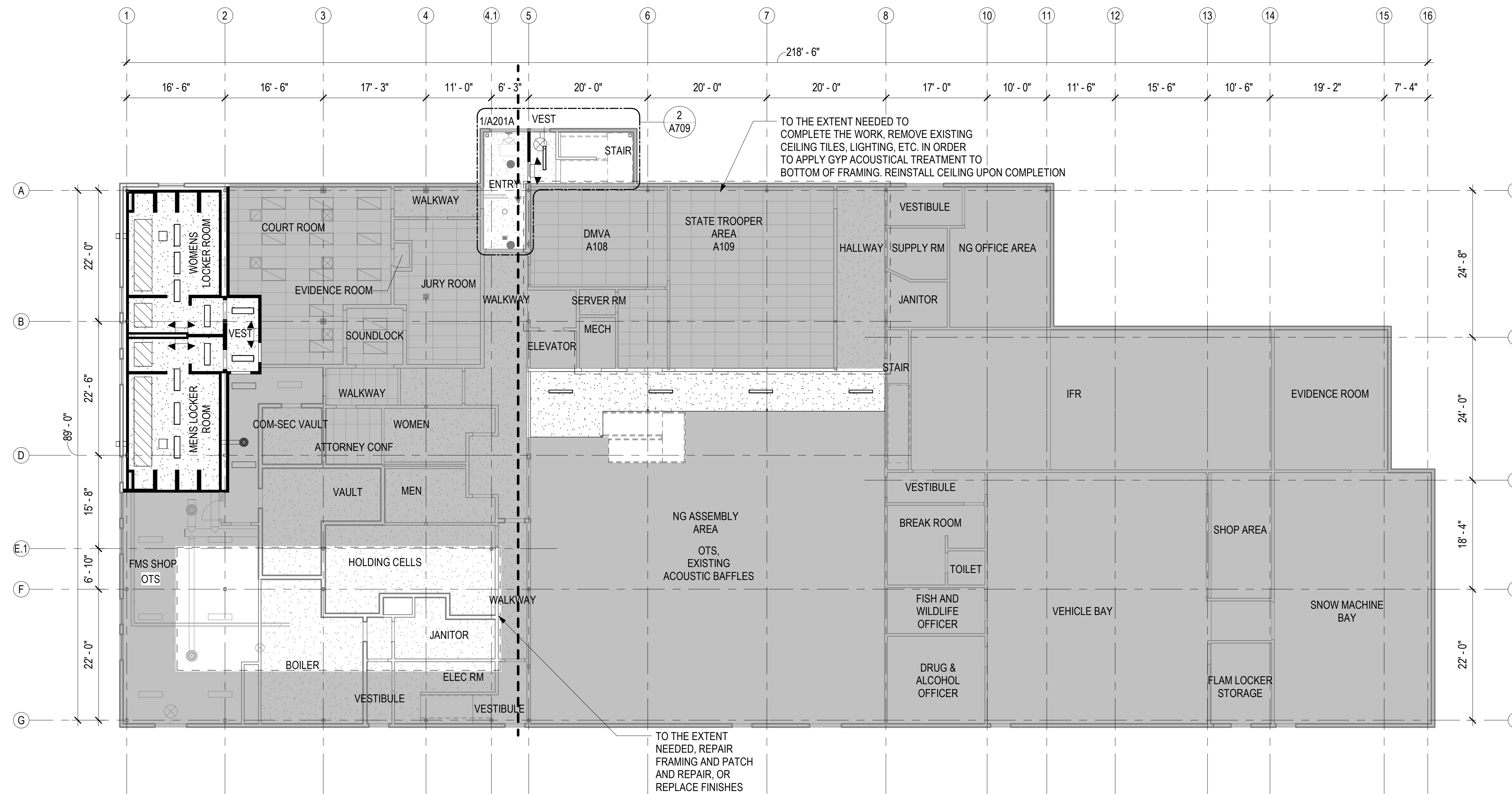
CORPORATE NO. AEC219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

5/2/2023 9:41:44 AM



1 FIRST FLOOR REFLECTED CEILING PLAN - OVERALL
A200 3/32" = 1'-0"

REFLECTED CEILING PLAN LEGEND		GENERAL REFLECTED CEILING PLAN NOTES
	ACT	<p>FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND VERTICAL CONTROL PRIOR TO THE COMMENCEMENT OF WORK. PROMPTLY NOTIFY THE ARCHITECT AND OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES IN THE NEW AND EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ABOVE CEILING WORK TO ENSURE CLEARANCES FOR SCHEDULED CEILING HEIGHTS.</p> <p>DIMENSION GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRID LINE, AND FACE OF STUD UNLESS OTHERWISE NOTED. CLEAR DIMENSIONS WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES.</p> <p>CEILING HEIGHTS: ALL CEILING HEIGHTS CORRESPOND TO THE RESPECTIVE FINISH FLOOR ELEVATION/LEVEL. CEILING HEIGHTS ARE 8'-0" AFF UNO.</p> <p>CEILING FINISHES: REFER TO SHEETS A912 FOR SCHEDULED CEILING FINISHES.</p> <p>CEILING DEVICES: ALL CEILING LAYOUT PLANS SHOW MOST MAJOR MECHANICAL AND ELECTRICAL DEVICES. SEE MECHANICAL AND ELECTRICAL DOCUMENTS FOR ADDITIONAL M/E DEVICES INCLUDED IN THE CEILING CONFIGURATION. CONTRACTOR TO COORDINATE LAYOUT OF ALL DEVICES. ALL M/E DEVICES SCHEDULED FOR SUSPENDED ACOUSTIC CEILING TILE, TO BE LOCATED IN THE CENTER OF EACH TILE, UNLESS OTHERWISE NOTED.</p> <p>PARTITION TYPES: PARTITION TYPES AND RELATED HEIGHTS ARE REFERENCED ON THE A600 AND A700 SERIES SHEETS, AND ARE SCHEDULED ON SHEET A001.</p> <p>CEILING ACCESS: PROVIDE CEILING ACCESS PANELS, AS SPECIFIED IN SECTION 08 31 00 IN ALL INACCESSIBLE CEILINGS WHERE EQUIPMENT/DEVICES REQUIRING ACCESS ARE LOCATED. COORDINATE LOCATION WITH EXISTING DESIGN LAYOUT, AND SIZE AS SPECIFIED.</p> <p>SPRINKLER HEADS: ALL SPRINKLER HEADS SCHEDULED FOR SUSPENDED ACOUSTIC CEILING TILES TO BE LOCATED IN THE CENTER OF EACH TILE.</p> <p>LATERAL SUPPORT: PROVIDE LATERAL SUPPORT AND UPLIFT RESTRAINT AT ALL SUSPENDED ACOUSTICAL TILE CEILINGS AS REQUIRED BY THE LOCAL JURISDICTION (ASTM E580 AND CISCA'S CEILING SUSPENSION HANDBOOK). COORDINATE LOCATIONS WITH ABOVE CEILING DEVICES AND RELATED CLEARANCES.</p> <p>SUSPENDED CEILINGS: WHERE SUSPENDED CEILINGS ARE SCHEDULED, COORDINATE HANGER PLACEMENT TO STRUCTURE ABOVE AND PROVIDE TRAPEZE CONFIGURATIONS WHERE OBSTRUCTIONS OCCUR.</p>
	GYP	
	PLAM	
	OTS	
	MATCHLINE	
	NOT IN SCOPE	
	SURFACE MOUNT LIGHT FIXTURES, SEE ELEC	
	RECESSED LIGHT FIXTURES, SEE ELEC	
	STRIPLIGHT FIXTURE, SEE ELEC	
	RECESSED CAN LIGHT FIXTURE, SEE ELEC	
	WALL MOUNTED LIGHT FIXTURE, SEE ELEC	
	EMERGENCY LIGHT, SEE ELEC	
	SUPPLY AND RETURN DIFFUSERS, SEE MECH	

BETTISWORTH NORTH



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION & SECURITY UPGRADES
KOTZEBUE, ALASKA

CORPORATE NO. AEC219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

CONSULTANT:

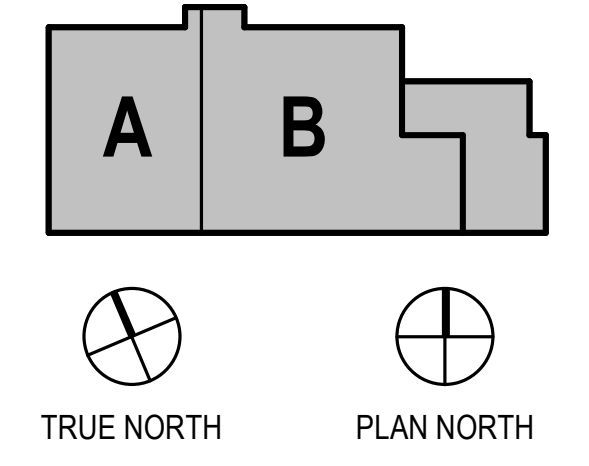
PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

FIRST FLOOR REFLECTED CEILING PLAN - OVERALL

A200

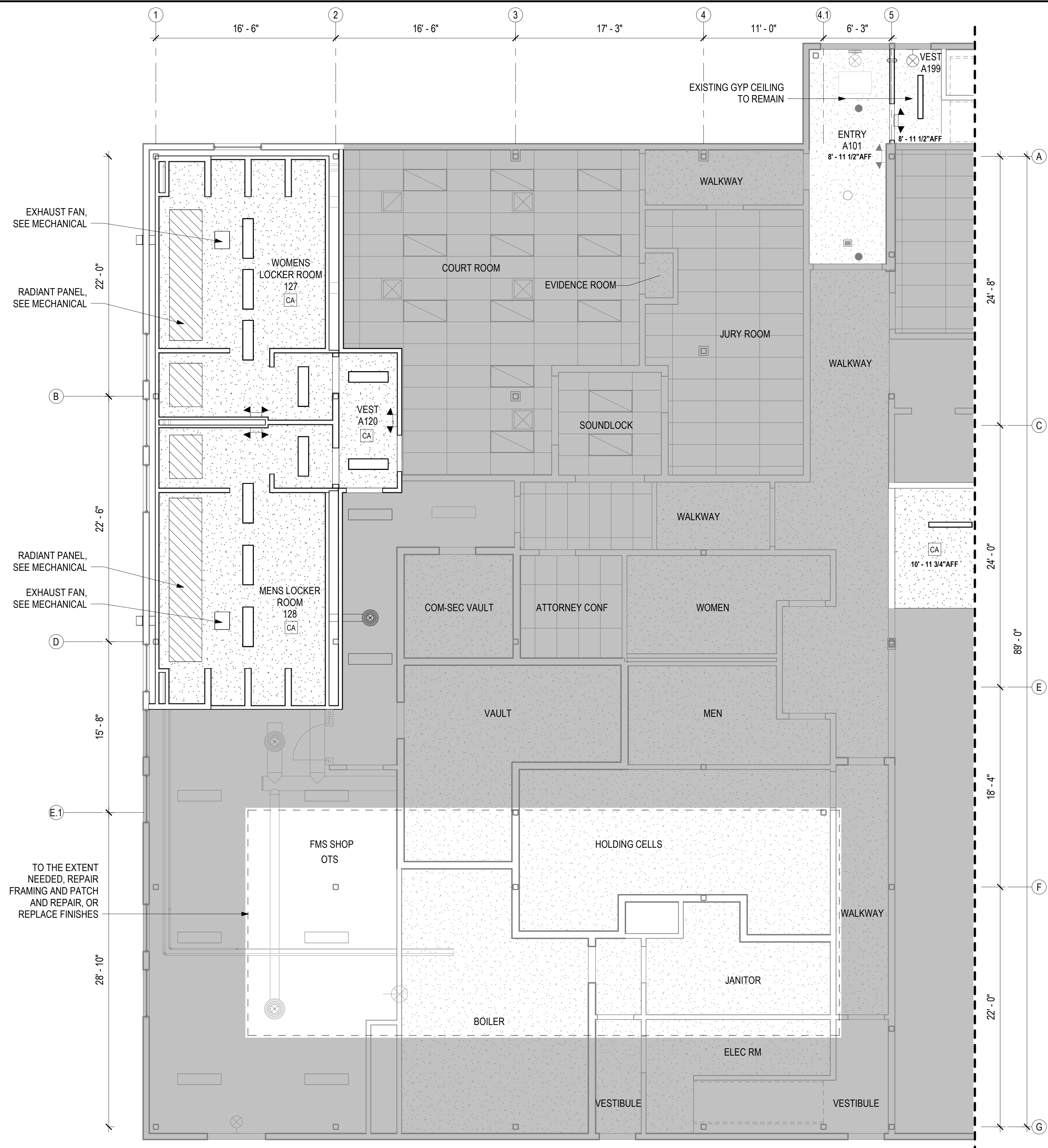
BETTISWORTH NORTH ARCHITECTS & PLANNERS



IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

5/2/2023 9:41:46 AM



EXHAUST FAN, SEE MECHANICAL

RADIANT PANEL, SEE MECHANICAL

RADIANT PANEL, SEE MECHANICAL

EXHAUST FAN, SEE MECHANICAL

TO THE EXTENT NEEDED, REPAIR FRAMING AND PATCH AND REPAIR, OR REPLACE FINISHES

1 FIRST FLOOR - RCP - BLOCK A
A201A 3/16" = 1'-0"

REFLECTED CEILING PLAN LEGEND	
	ACT
	GYP
	PLAM
	OPEN TO STRUCTURE
	MATCHLINE
	NOT IN SCOPE
	SURFACE MOUNT LIGHT FIXTURES, SEE ELEC
	RECESSED LIGHT FIXTURES, SEE ELEC
	STRIPLIGHT FIXTURE, SEE ELEC
	RECESSED CAN LIGHT FIXTURE, SEE ELEC
	WALL MOUNTED LIGHT FIXTURE, SEE ELEC
	EMERGENCY LIGHT, SEE ELEC
	SUPPLY AND RETURN DIFFUSERS, SEE MECH
	CEILING TAG

GENERAL REFLECTED CEILING PLAN NOTES

FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND VERTICAL CONTROL PRIOR TO THE COMMENCEMENT OF WORK. PROMPTLY NOTIFY THE ARCHITECT AND OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES IN THE NEW AND EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ABOVE CEILING WORK TO ENSURE CLEARANCES FOR SCHEDULED CEILING HEIGHTS.

DIMENSION GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRID LINE, AND FACE OF STUD UNLESS OTHERWISE NOTED. CLEAR DIMENSIONS WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES.

CEILING HEIGHTS: ALL CEILING HEIGHTS CORRESPOND TO THE RESPECTIVE FINISH FLOOR ELEVATION/LEVEL. CEILING HEIGHTS ARE 8'-0" AFF UNO.

CEILING FINISHES: REFER TO SHEETS A912 FOR SCHEDULED CEILING FINISHES.

CEILING DEVICES: ALL CEILING LAYOUT PLANS SHOW MOST MAJOR MECHANICAL AND ELECTRICAL DEVICES. SEE MECHANICAL AND ELECTRICAL DOCUMENTS FOR ADDITIONAL M/E DEVICES INCLUDED IN THE CEILING CONFIGURATION. CONTRACTOR TO COORDINATE LAYOUT OF ALL DEVICES. ALL M/E DEVICES SCHEDULED FOR SUSPENDED ACOUSTIC CEILING TILE, TO BE LOCATED IN THE CENTER OF EACH TILE, UNLESS OTHERWISE NOTED.

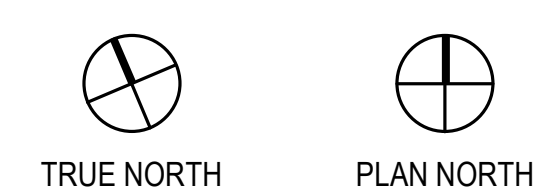
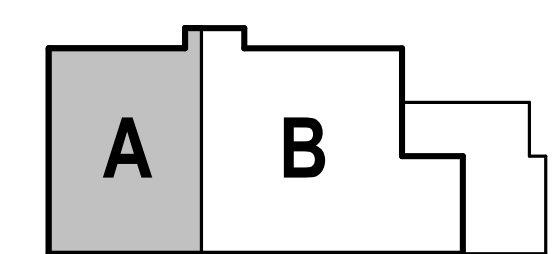
PARTITION TYPES: PARTITION TYPES AND RELATED HEIGHTS ARE REFERENCED ON THE A600 AND A700 SERIES SHEETS, AND ARE SCHEDULED ON SHEET A001.

CEILING ACCESS: PROVIDE CEILING ACCESS PANELS, AS SPECIFIED IN SECTION 08 31 00 IN ALL INACCESSIBLE CEILINGS WHERE EQUIPMENT/DEVICES REQUIRING ACCESS ARE LOCATED. COORDINATE LOCATION WITH EXISTING DESIGN LAYOUT, AND SIZE AS SPECIFIED.

SPRINKLER HEADS: ALL SPRINKLER HEADS SCHEDULED FOR SUSPENDED ACOUSTIC CEILING TILES TO BE LOCATED IN THE CENTER OF EACH TILE.

LATERAL SUPPORT: PROVIDE LATERAL SUPPORT AND UPLIFT RESTRAINT AT ALL SUSPENDED ACOUSTICAL TILE CEILINGS AS REQUIRED BY THE LOCAL JURISDICTION (ASTM E580 AND CISCA'S CEILING SUSPENSION HANDBOOK). COORDINATE LOCATIONS WITH ABOVE CEILING DEVICES AND RELATED CLEARANCES.

SUSPENDED CEILINGS: WHERE SUSPENDED CEILINGS ARE SCHEDULED, COORDINATE HANGER PLACEMENT TO STRUCTURE ABOVE AND PROVIDE TRAPEZE CONFIGURATIONS WHERE OBSTRUCTIONS OCCUR.



BETTISWORTH NORTH



**ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA**

100% CONSTRUCTION DOCUMENTS

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

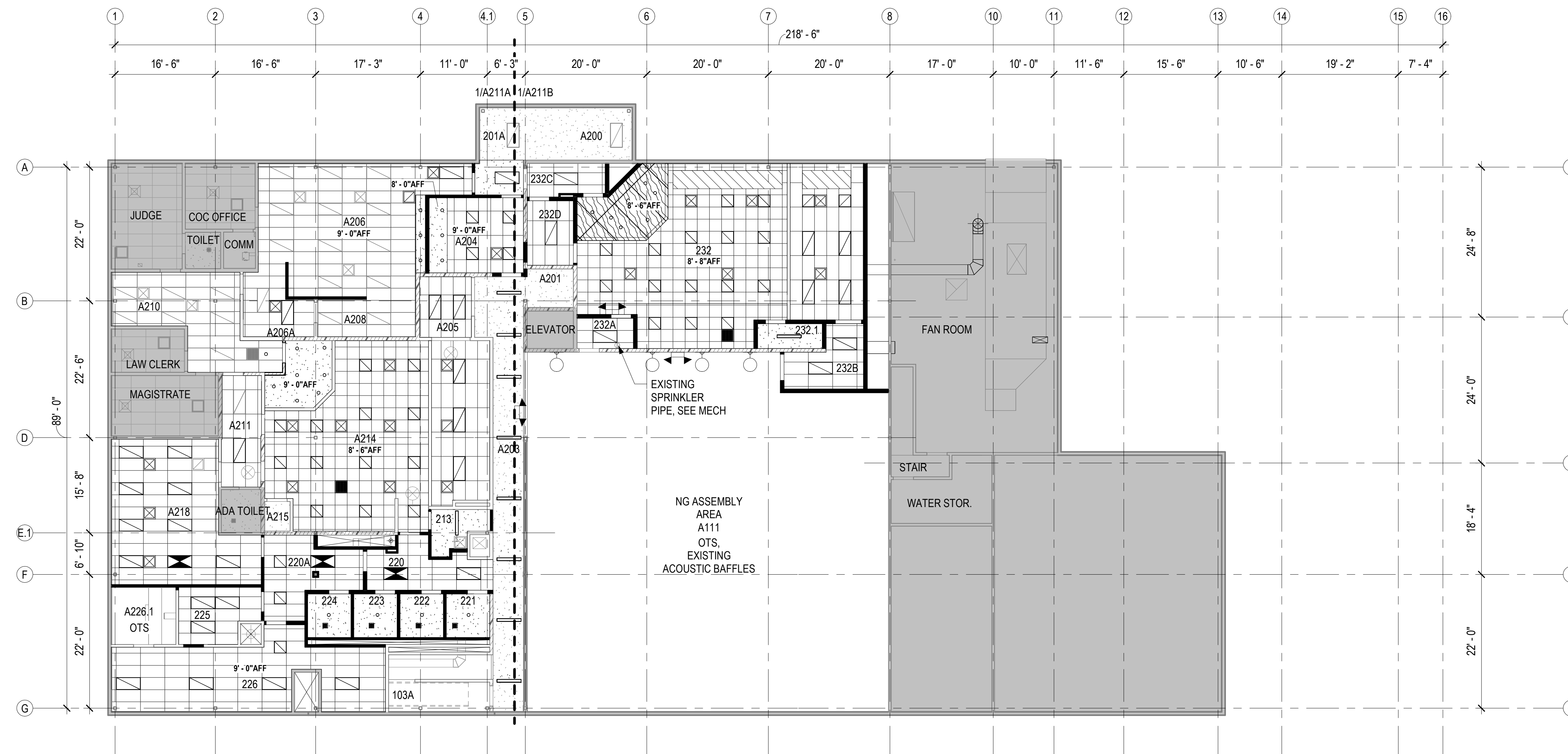
FIRST FLOOR REFLECTED CEILING PLAN - BLOCK A

A201A

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

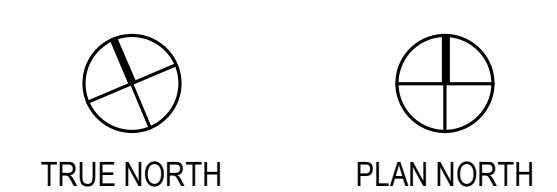
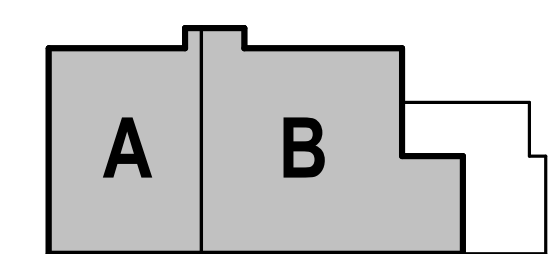
5/2/2023 9:41:47 AM



1 SECOND FLOOR REFLECTED CEILING PLAN - OVERALL
A210 3/32" = 1'-0"

REFLECTED CEILING PLAN LEGEND	
	ACT
	GYP
	PLAM
	OTS
	MATCHLINE
	NOT IN SCOPE
	SURFACE MOUNT LIGHT FIXTURES, SEE ELEC
	RECESSED LIGHT FIXTURES, SEE ELEC
	STRIPLIGHT FIXTURE, SEE ELEC
	RECESSED CAN LIGHT FIXTURE, SEE ELEC
	WALL MOUNTED LIGHT FIXTURE, SEE ELEC
	EMERGENCY LIGHT, SEE ELEC
	SUPPLY AND RETURN DIFFUSERS, SEE MECH

GENERAL REFLECTED CEILING PLAN NOTES	
<p>FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND VERTICAL CONTROL PRIOR TO THE COMMENCEMENT OF WORK. PROMPTLY NOTIFY THE ARCHITECT AND OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES IN THE NEW AND EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ABOVE CEILING WORK TO ENSURE CLEARANCES FOR SCHEDULED CEILING HEIGHTS.</p>	
<p>DIMENSION GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRID LINE, AND FACE OF STUD UNLESS OTHERWISE NOTED. CLEAR DIMENSIONS WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES.</p>	
<p>CEILING HEIGHTS: ALL CEILING HEIGHTS CORRESPOND TO THE RESPECTIVE FINISH FLOOR ELEVATION/LEVEL. CEILING HEIGHTS ARE 8'-0" AFF UNO.</p>	
<p>CEILING FINISHES: REFER TO SHEETS A912 FOR SCHEDULED CEILING FINISHES.</p>	
<p>CEILING DEVICES: ALL CEILING LAYOUT PLANS SHOW MOST MAJOR MECHANICAL AND ELECTRICAL DEVICES. SEE MECHANICAL AND ELECTRICAL DOCUMENTS FOR ADDITIONAL M/E DEVICES INCLUDED IN THE CEILING CONFIGURATION. CONTRACTOR TO COORDINATE LAYOUT OF ALL DEVICES. ALL M/E DEVICES SCHEDULED FOR SUSPENDED ACOUSTIC CEILING TILE, TO BE LOCATED IN THE CENTER OF EACH TILE, UNLESS OTHERWISE NOTED.</p>	
<p>PARTITION TYPES: PARTITION TYPES AND RELATED HEIGHTS ARE REFERENCED ON THE A600 AND A700 SERIES SHEETS, AND ARE SCHEDULED ON SHEET A001.</p>	
<p>CEILING ACCESS: PROVIDE CEILING ACCESS PANELS, AS SPECIFIED IN SECTION 08 31 00 IN ALL INACCESSIBLE CEILINGS WHERE EQUIPMENT/DEVICES REQUIRING ACCESS ARE LOCATED. COORDINATE LOCATION WITH EXISTING DESIGN LAYOUT, AND SIZE AS SPECIFIED.</p>	
<p>SPRINKLER HEADS: ALL SPRINKLER HEADS SCHEDULED FOR SUSPENDED ACOUSTIC CEILING TILES TO BE LOCATED IN THE CENTER OF EACH TILE.</p>	
<p>LATERAL SUPPORT: PROVIDE LATERAL SUPPORT AND UPLIFT RESTRAINT AT ALL SUSPENDED ACOUSTICAL TILE CEILINGS AS REQUIRED BY THE LOCAL JURISDICTION (ASTM E580 AND CISCA'S CEILING SUSPENSION HANDBOOK). COORDINATE LOCATIONS WITH ABOVE CEILING DEVICES AND RELATED CLEARANCES.</p>	
<p>SUSPENDED CEILINGS: WHERE SUSPENDED CEILINGS ARE SCHEDULED, COORDINATE HANGER PLACEMENT TO STRUCTURE ABOVE AND PROVIDE TRAPEZE CONFIGURATIONS WHERE OBSTRUCTIONS OCCUR.</p>	



BETTISWORTH NORTH



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION & SECURITY UPGRADES
 KOTZEBUE, ALASKA

CORPORATE NO. AEC219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

CONSULTANT:

PROJECT NO: 20-102
 DATE: 2023-05-01
 DRAWN BY: GB
 CHECKED BY: DN

REVISION	DESCRIPTION	DATE

SECOND FLOOR REFLECTED CEILING PLAN - OVERALL

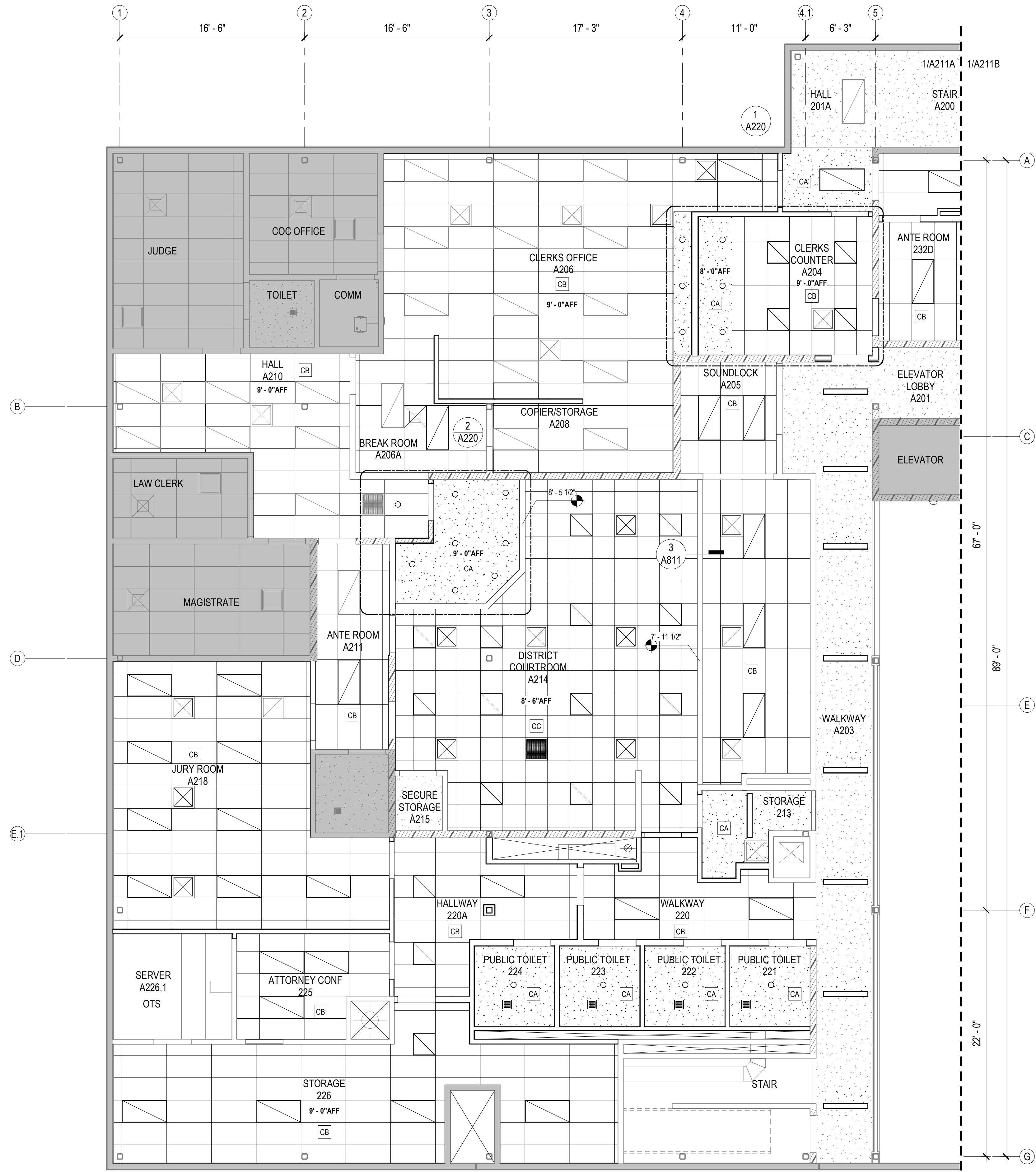
A210

BETTISWORTH NORTH ARCHITECTS & PLANNERS

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

5/2/2023 9:41:49 AM



1 SECOND FLOOR - RCP - BLOCK A
A211A 3/16" = 1'-0"

REFLECTED CEILING PLAN LEGEND		GENERAL REFLECTED CEILING PLAN NOTES
	ACT	<p>FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND VERTICAL CONTROL PRIOR TO THE COMMENCEMENT OF WORK. PROMPTLY NOTIFY THE ARCHITECT AND OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES IN THE NEW AND EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ABOVE CEILING WORK TO ENSURE CLEARANCES FOR SCHEDULED CEILING HEIGHTS.</p> <p>DIMENSION GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRID LINE, AND FACE OF STUD UNLESS OTHERWISE NOTED. CLEAR DIMENSIONS WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES.</p> <p>CEILING HEIGHTS: ALL CEILING HEIGHTS CORRESPOND TO THE RESPECTIVE FINISH FLOOR ELEVATION LEVEL. CEILING HEIGHTS ARE 8'-0" AFF UNO.</p> <p>CEILING FINISHES: REFER TO SHEETS A912 FOR SCHEDULED CEILING FINISHES.</p> <p>CEILING DEVICES: ALL CEILING LAYOUT PLANS SHOW MOST MAJOR MECHANICAL AND ELECTRICAL DEVICES. SEE MECHANICAL AND ELECTRICAL DOCUMENTS FOR ADDITIONAL M/E DEVICES INCLUDED IN THE CEILING CONFIGURATION. CONTRACTOR TO COORDINATE LAYOUT OF ALL DEVICES. ALL M/E DEVICES SCHEDULED FOR SUSPENDED ACOUSTIC CEILING TILE, TO BE LOCATED IN THE CENTER OF EACH TILE, UNLESS OTHERWISE NOTED.</p> <p>PARTITION TYPES: PARTITION TYPES AND RELATED HEIGHTS ARE REFERENCED ON THE A600 AND A700 SERIES SHEETS, AND ARE SCHEDULED ON SHEET A001.</p> <p>CEILING ACCESS: PROVIDE CEILING ACCESS PANELS, AS SPECIFIED IN SECTION 08 31 00 IN ALL INACCESSIBLE CEILINGS WHERE EQUIPMENT/DEVICES REQUIRING ACCESS ARE LOCATED. COORDINATE LOCATION WITH EXISTING DESIGN LAYOUT, AND SIZE AS SPECIFIED.</p> <p>SPRINKLER HEADS: ALL SPRINKLER HEADS SCHEDULED FOR SUSPENDED ACOUSTIC CEILING TILES TO BE LOCATED IN THE CENTER OF EACH TILE.</p> <p>LATERAL SUPPORT: PROVIDE LATERAL SUPPORT AND UPLIFT RESTRAINT AT ALL SUSPENDED ACOUSTICAL TILE CEILINGS AS REQUIRED BY THE LOCAL JURISDICTION (ASTM E580 AND CISCA'S CEILING SUSPENSION HANDBOOK). COORDINATE LOCATIONS WITH ABOVE CEILING DEVICES AND RELATED CLEARANCES.</p> <p>SUSPENDED CEILINGS: WHERE SUSPENDED CEILINGS ARE SCHEDULED, COORDINATE HANGER PLACEMENT TO STRUCTURE ABOVE AND PROVIDE TRAPEZE CONFIGURATIONS WHERE OBSTRUCTIONS OCCUR.</p>
	GYP	
	PLAM	
	OPEN TO STRUCTURE	
	MATCHLINE	
	NOT IN SCOPE	
	SURFACE MOUNT LIGHT FIXTURES, SEE ELEC	
	RECESSED LIGHT FIXTURES, SEE ELEC	
	STRIPLIGHT FIXTURE, SEE ELEC	
	RECESSED CAN LIGHT FIXTURE, SEE ELEC	
	WALL MOUNTED LIGHT FIXTURE, SEE ELEC	
	EMERGENCY LIGHT, SEE ELEC	
	SUPPLY AND RETURN DIFFUSERS, SEE MECH	
	CEILING TAG	

BETTISWORTH NORTH



**ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA**

100% CONSTRUCTION DOCUMENTS

CONSULTANT:

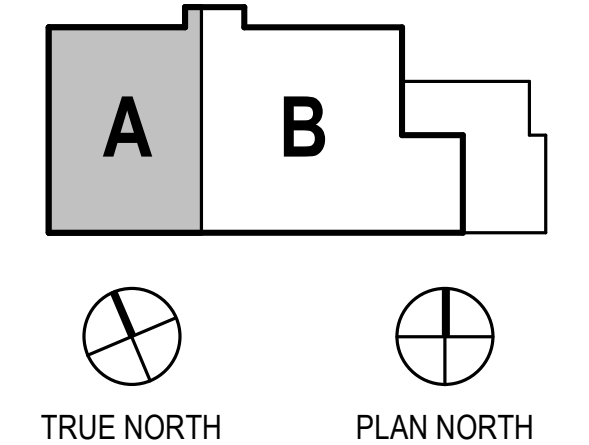
PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

SECOND FLOOR REFLECTED CEILING PLAN - BLOCK A

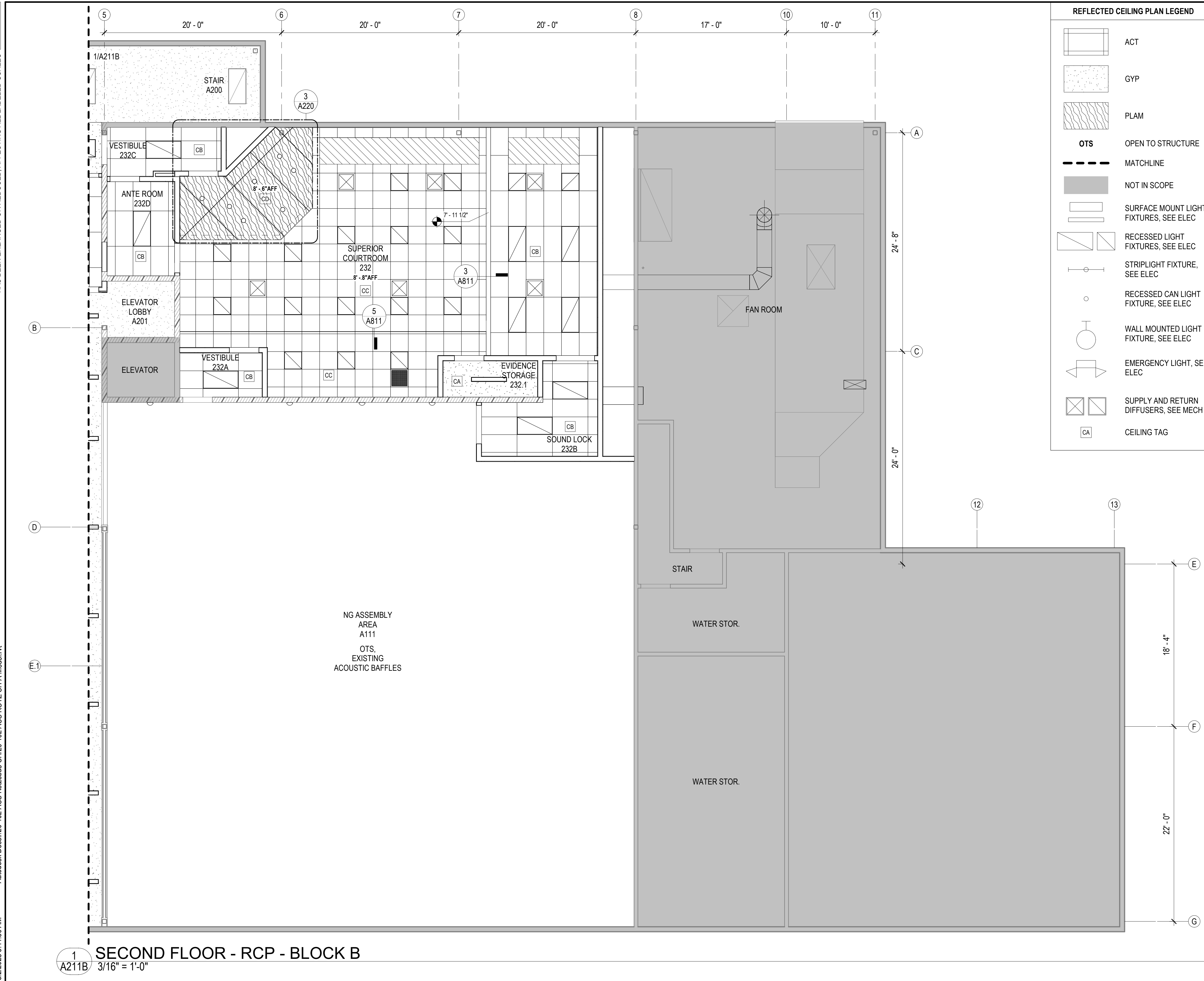
A211A

BETTISWORTH NORTH ARCHITECTS & PLANNERS



IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

5/2/2023 9:41:50 AM Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt



REFLECTED CEILING PLAN LEGEND		GENERAL REFLECTED CEILING PLAN NOTES
	ACT	<p>FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND VERTICAL CONTROL PRIOR TO THE COMMENCEMENT OF WORK. PROMPTLY NOTIFY THE ARCHITECT AND OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES IN THE NEW AND EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ABOVE CEILING WORK TO ENSURE CLEARANCES FOR SCHEDULED CEILING HEIGHTS.</p> <p>DIMENSION GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRID LINE, AND FACE OF STUD UNLESS OTHERWISE NOTED. CLEAR DIMENSIONS WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES.</p> <p>CEILING HEIGHTS: ALL CEILING HEIGHTS CORRESPOND TO THE RESPECTIVE FINISH FLOOR ELEVATION/LEVEL. CEILING HEIGHTS ARE 8'-0" AFF UNO.</p> <p>CEILING FINISHES: REFER TO SHEETS A912 FOR SCHEDULED CEILING FINISHES.</p> <p>CEILING DEVICES: ALL CEILING LAYOUT PLANS SHOW MOST MAJOR MECHANICAL AND ELECTRICAL DEVICES. SEE MECHANICAL AND ELECTRICAL DOCUMENTS FOR ADDITIONAL M/E DEVICES INCLUDED IN THE CEILING CONFIGURATION. CONTRACTOR TO COORDINATE LAYOUT OF ALL DEVICES. ALL M/E DEVICES SCHEDULED FOR SUSPENDED ACOUSTIC CEILING TILE, TO BE LOCATED IN THE CENTER OF EACH TILE, UNLESS OTHERWISE NOTED.</p> <p>PARTITION TYPES: PARTITION TYPES AND RELATED HEIGHTS ARE REFERENCED ON THE A600 AND A700 SERIES SHEETS, AND ARE SCHEDULED ON SHEET A001.</p> <p>CEILING ACCESS: PROVIDE CEILING ACCESS PANELS, AS SPECIFIED IN SECTION 08 31 00 IN ALL INACCESSIBLE CEILINGS WHERE EQUIPMENT/DEVICES REQUIRING ACCESS ARE LOCATED. COORDINATE LOCATION WITH EXISTING DESIGN LAYOUT, AND SIZE AS SPECIFIED.</p> <p>SPRINKLER HEADS: ALL SPRINKLER HEADS SCHEDULED FOR SUSPENDED ACOUSTIC CEILING TILES TO BE LOCATED IN THE CENTER OF EACH TILE.</p> <p>LATERAL SUPPORT: PROVIDE LATERAL SUPPORT AND UPLIFT RESTRAINT AT ALL SUSPENDED ACOUSTICAL TILE CEILINGS AS REQUIRED BY THE LOCAL JURISDICTION (ASTM E580 AND CISCA'S CEILING SUSPENSION HANDBOOK). COORDINATE LOCATIONS WITH ABOVE CEILING DEVICES AND RELATED CLEARANCES.</p> <p>SUSPENDED CEILINGS: WHERE SUSPENDED CEILINGS ARE SCHEDULED, COORDINATE HANGER PLACEMENT TO STRUCTURE ABOVE AND PROVIDE TRAPEZE CONFIGURATIONS WHERE OBSTRUCTIONS OCCUR.</p>
	GYP	
	PLAM	
	OTS	
	MATCHLINE	
	NOT IN SCOPE	
	SURFACE MOUNT LIGHT FIXTURES, SEE ELEC	
	RECESSED LIGHT FIXTURES, SEE ELEC	
	STRIPLIGHT FIXTURE, SEE ELEC	
	RECESSED CAN LIGHT FIXTURE, SEE ELEC	
	WALL MOUNTED LIGHT FIXTURE, SEE ELEC	
	EMERGENCY LIGHT, SEE ELEC	
	SUPPLY AND RETURN DIFFUSERS, SEE MECH	
	CEILING TAG	

BETTISWORTH NORTH



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION & SECURITY UPGRADES
 KOTZEBUE, ALASKA

CONSULTANT:

PROJECT NO: 20-102
 DATE: 2023-05-01
 DRAWN BY: GB
 CHECKED BY: DN

REVISION	DESCRIPTION	DATE

SECOND FLOOR REFLECTED CEILING PLAN - BLOCK B

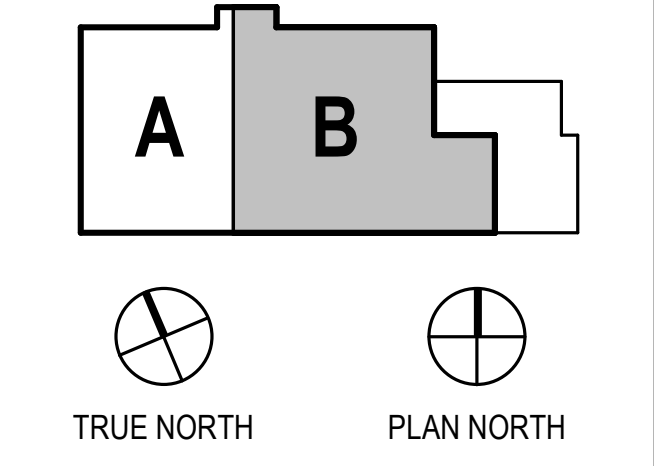
A211B

BETTISWORTH NORTH ARCHITECTS & PLANNERS

CORPORATE NO. AEC2219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

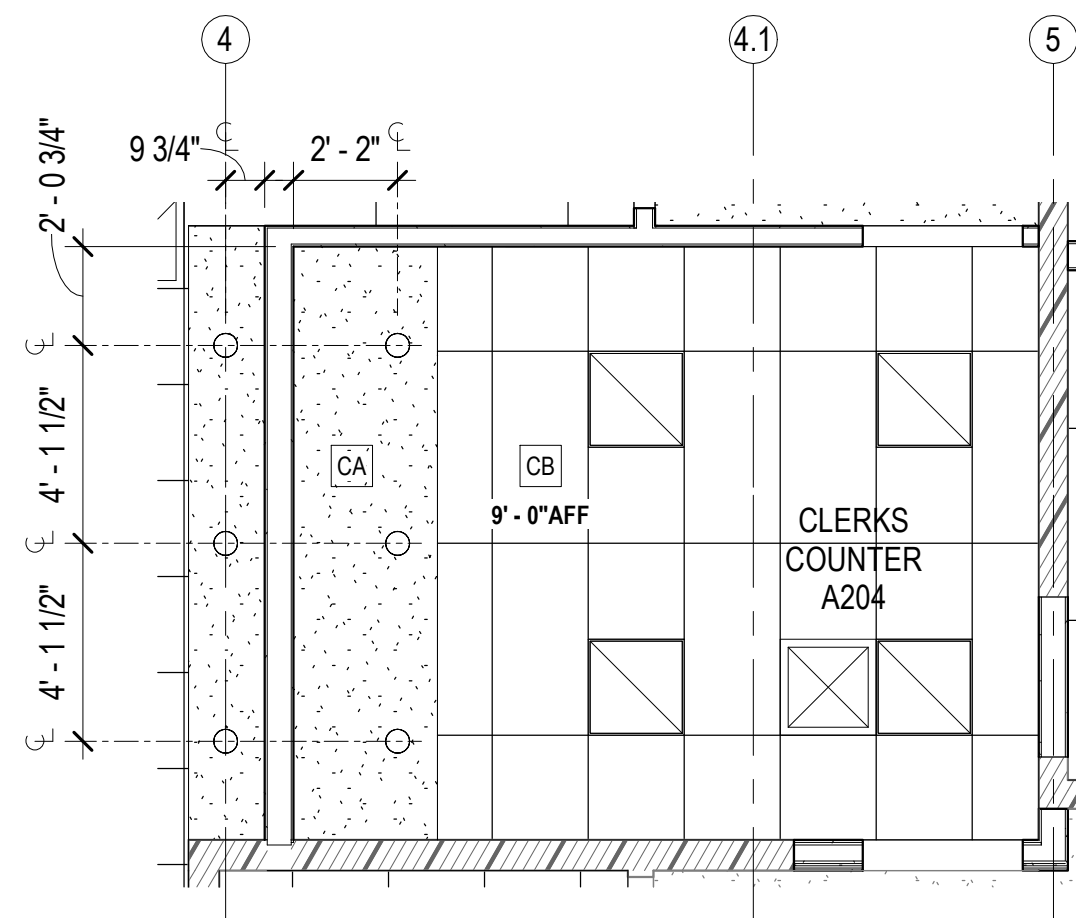
1 SECOND FLOOR - RCP - BLOCK B
 A211B 3/16" = 1'-0"



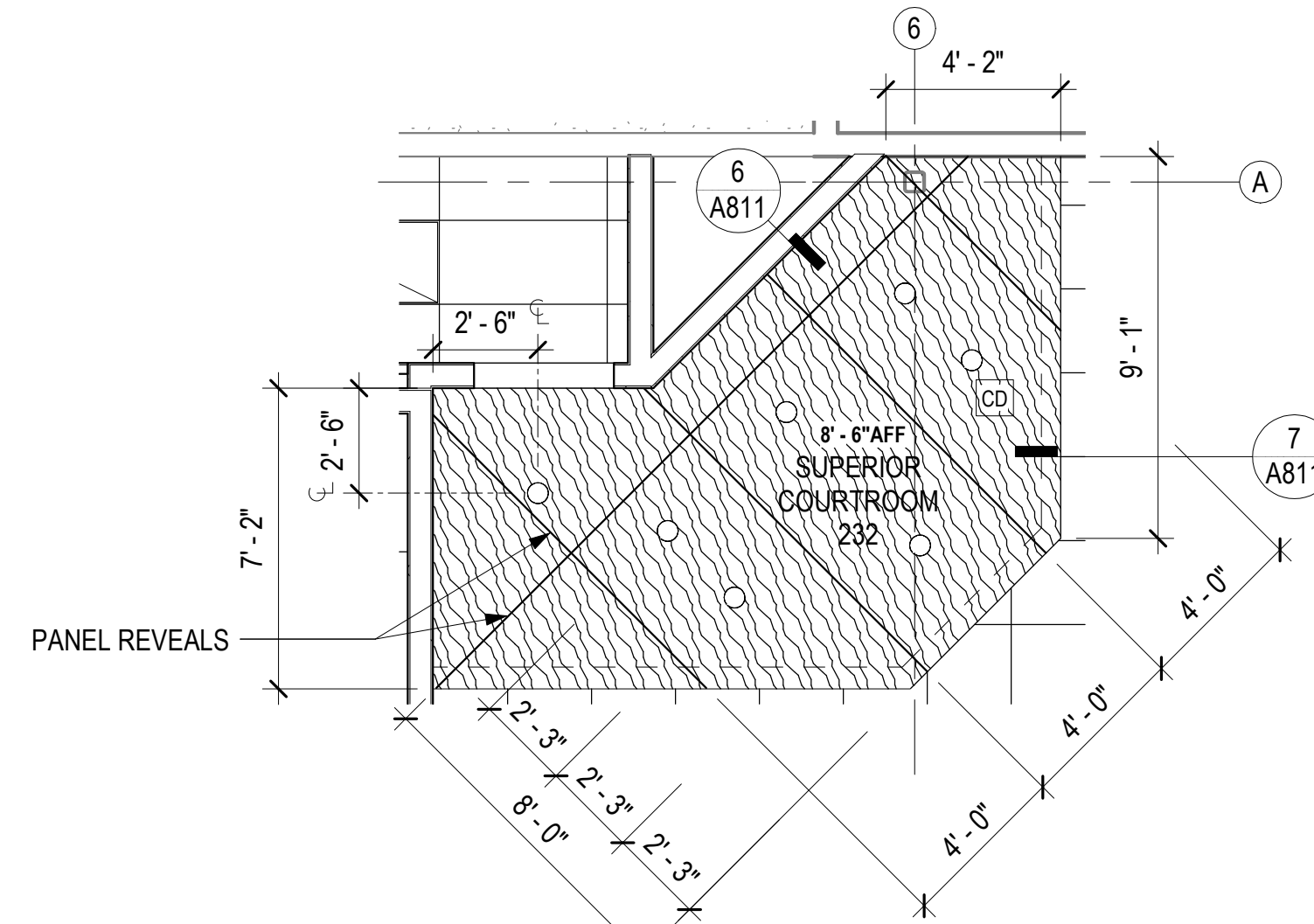
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

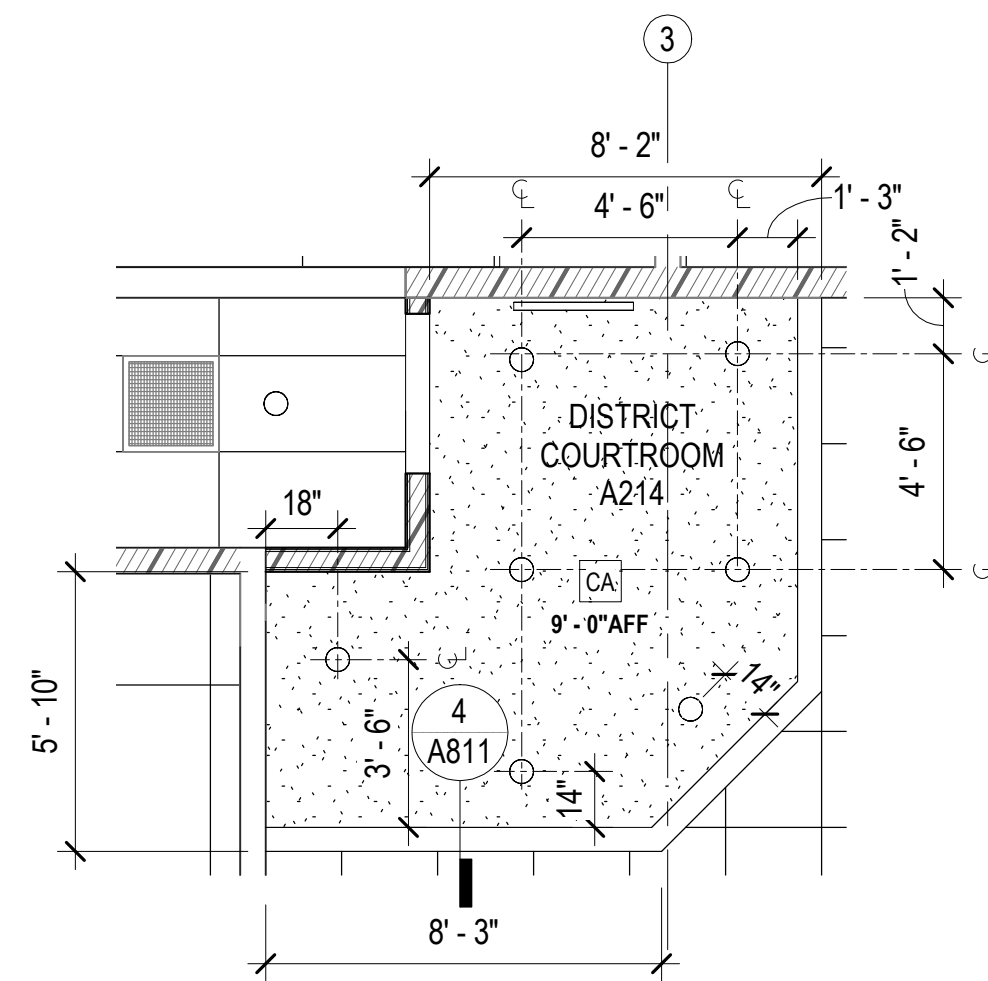
5/2/2023 9:41:50 AM



1 CLERKS COUNTER - ENLARGED RCP
A220 1/4" = 1'-0"



3 SUPERIOR COURTROOM - ENLARGED RCP
A220 1/4" = 1'-0"



2 DISTRICT COURTROOM - ENLARGED RCP
A220 1/4" = 1'-0"

GENERAL REFLECTED CEILING PLAN NOTES

FIELD VERIFICATION: THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND VERTICAL CONTROL PRIOR TO THE COMMENCEMENT OF WORK. PROMPTLY NOTIFY THE ARCHITECT AND OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES IN THE NEW AND EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ABOVE CEILING WORK TO ENSURE CLEARANCES FOR SCHEDULED CEILING HEIGHTS.

DIMENSION GUIDE: ALL DIMENSIONS ARE TAKEN FROM GRID LINE, AND FACE OF STUD UNLESS OTHERWISE NOTED. CLEAR DIMENSIONS WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES.

CEILING HEIGHTS: ALL CEILING HEIGHTS CORRESPOND TO THE RESPECTIVE FINISH FLOOR ELEVATION/LEVEL. CEILING HEIGHTS ARE 8'-0" AFF UNO.

CEILING FINISHES: REFER TO SHEETS A912 FOR SCHEDULED CEILING FINISHES.

CEILING DEVICES: ALL CEILING LAYOUT PLANS SHOW MOST MAJOR MECHANICAL AND ELECTRICAL DEVICES. SEE MECHANICAL AND ELECTRICAL DOCUMENTS FOR ADDITIONAL M/E DEVICES INCLUDED IN THE CEILING CONFIGURATION. CONTRACTOR TO COORDINATE LAYOUT OF ALL DEVICES. ALL M/E DEVICES SCHEDULED FOR SUSPENDED ACOUSTIC CEILING TILE, TO BE LOCATED IN THE CENTER OF EACH TILE, UNLESS OTHERWISE NOTED.

PARTITION TYPES: PARTITION TYPES AND RELATED HEIGHTS ARE REFERENCED ON THE A600 AND A700 SERIES SHEETS, AND ARE SCHEDULED ON SHEET A001.

CEILING ACCESS: PROVIDE CEILING ACCESS PANELS, AS SPECIFIED IN SECTION 08 31 00 IN ALL INACCESSIBLE CEILINGS WHERE EQUIPMENT/DEVICES REQUIRING ACCESS ARE LOCATED. COORDINATE LOCATION WITH EXISTING DESIGN LAYOUT, AND SIZE AS SPECIFIED.

SPRINKLER HEADS: ALL SPRINKLER HEADS SCHEDULED FOR SUSPENDED ACOUSTIC CEILING TILES TO BE LOCATED IN THE CENTER OF EACH TILE.

LATERAL SUPPORT: PROVIDE LATERAL SUPPORT AND UPLIFT RESTRAINT AT ALL SUSPENDED ACOUSTICAL TILE CEILINGS AS REQUIRED BY THE LOCAL JURISDICTION (ASTM E580 AND CISCA'S CEILING SUSPENSION HANDBOOK). COORDINATE LOCATIONS WITH ABOVE CEILING DEVICES AND RELATED CLEARANCES.

SUSPENDED CEILINGS: WHERE SUSPENDED CEILINGS ARE SCHEDULED, COORDINATE HANGER PLACEMENT TO STRUCTURE ABOVE AND PROVIDE TRAPEZE CONFIGURATIONS WHERE OBSTRUCTIONS OCCUR.



**ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA**

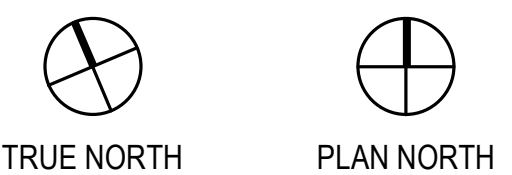
CORPORATE NO. AEC2219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE



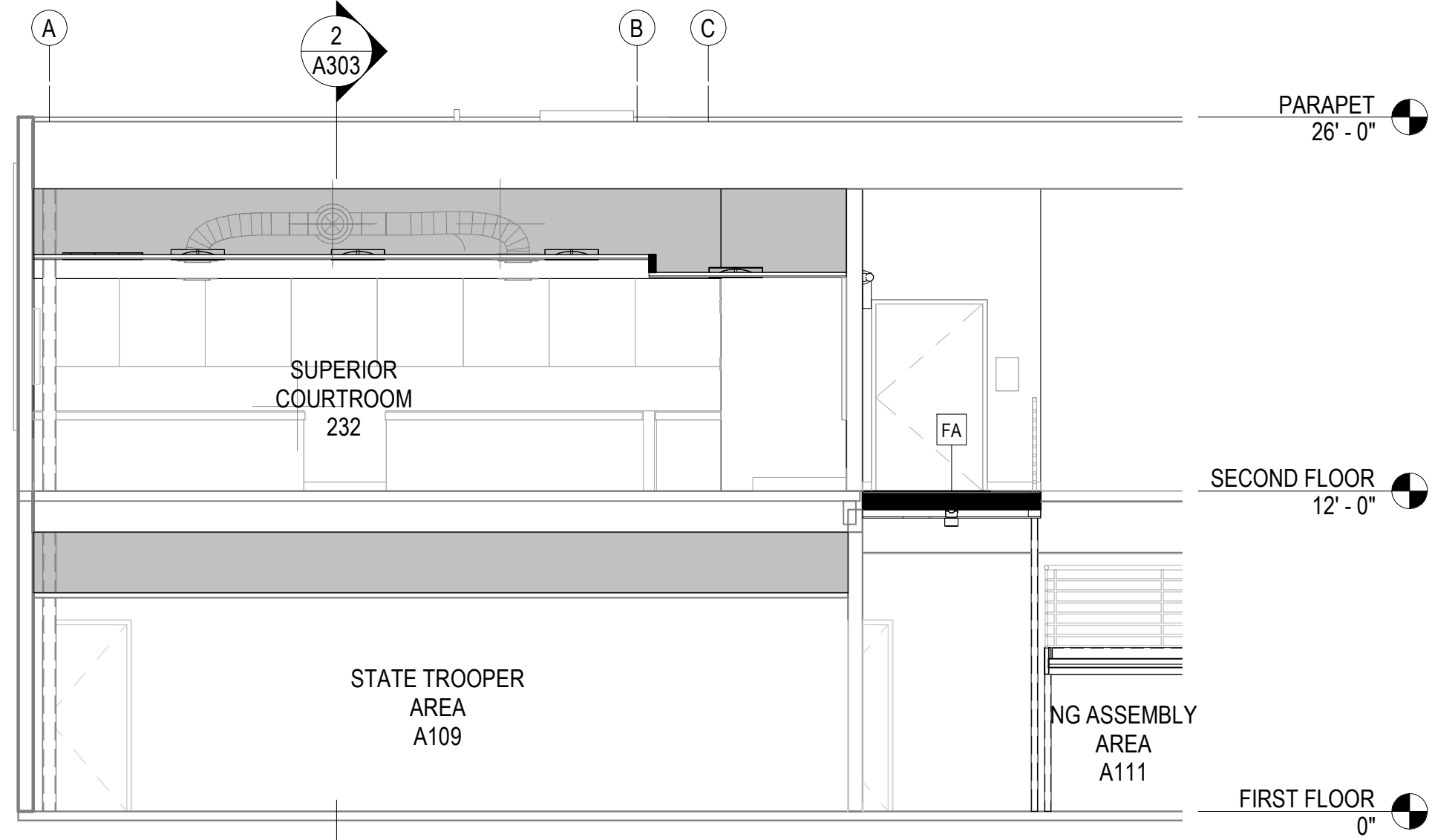
SECOND FLOOR REFLECTED CEILING PLANS - ENLARGED

A220

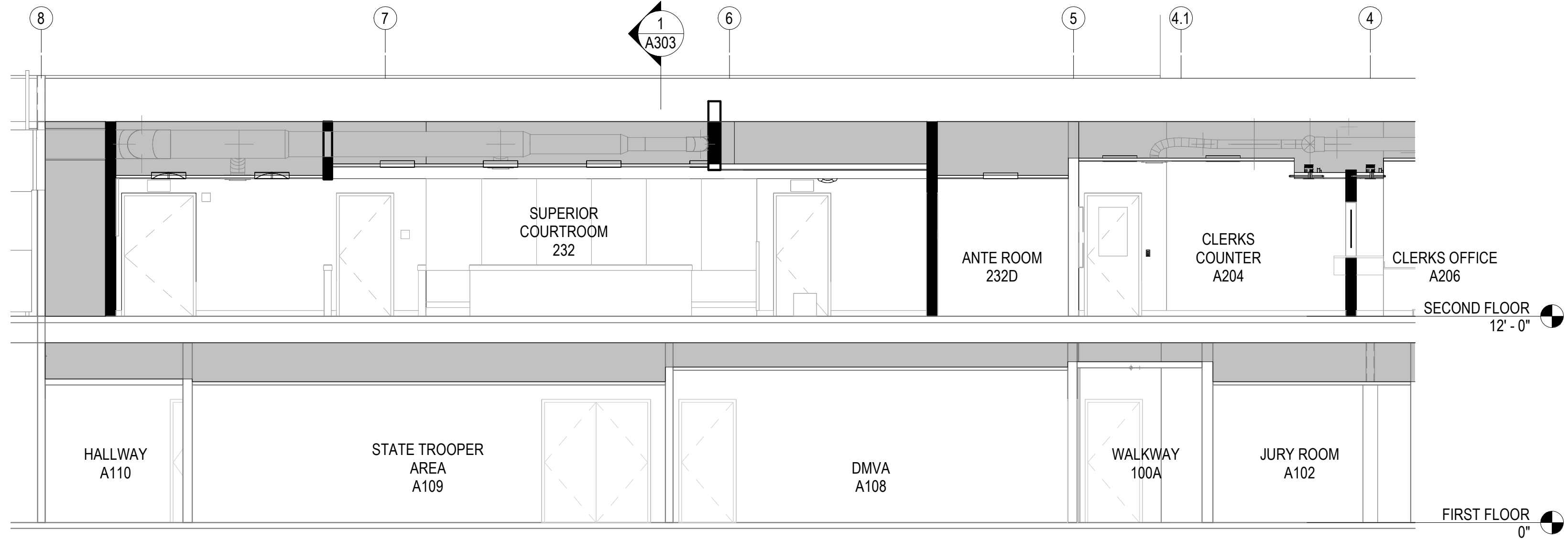
BETTISWORTH NORTH ARCHITECTS & PLANNERS

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

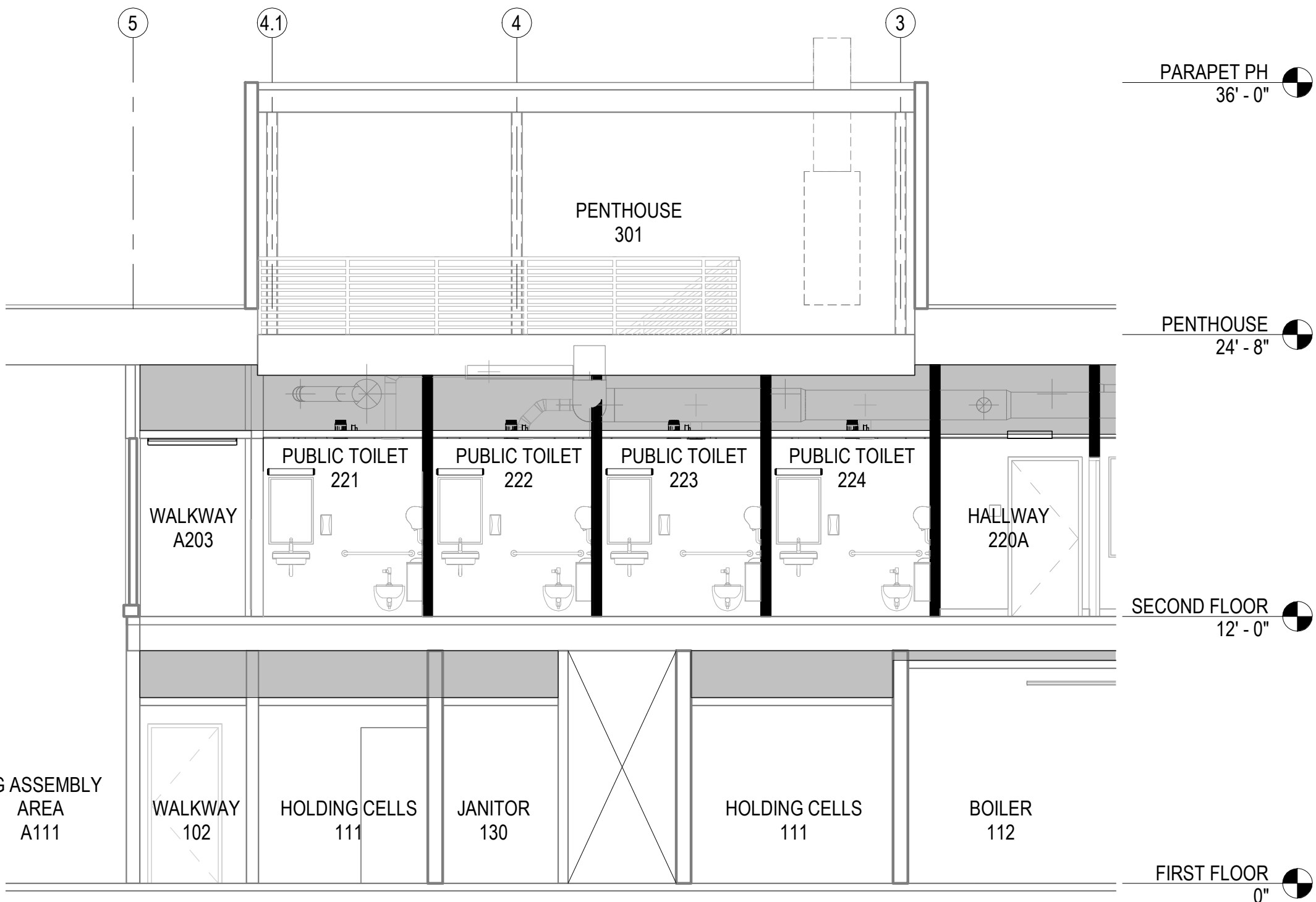
5/2/2023 9:42:06 AM Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt



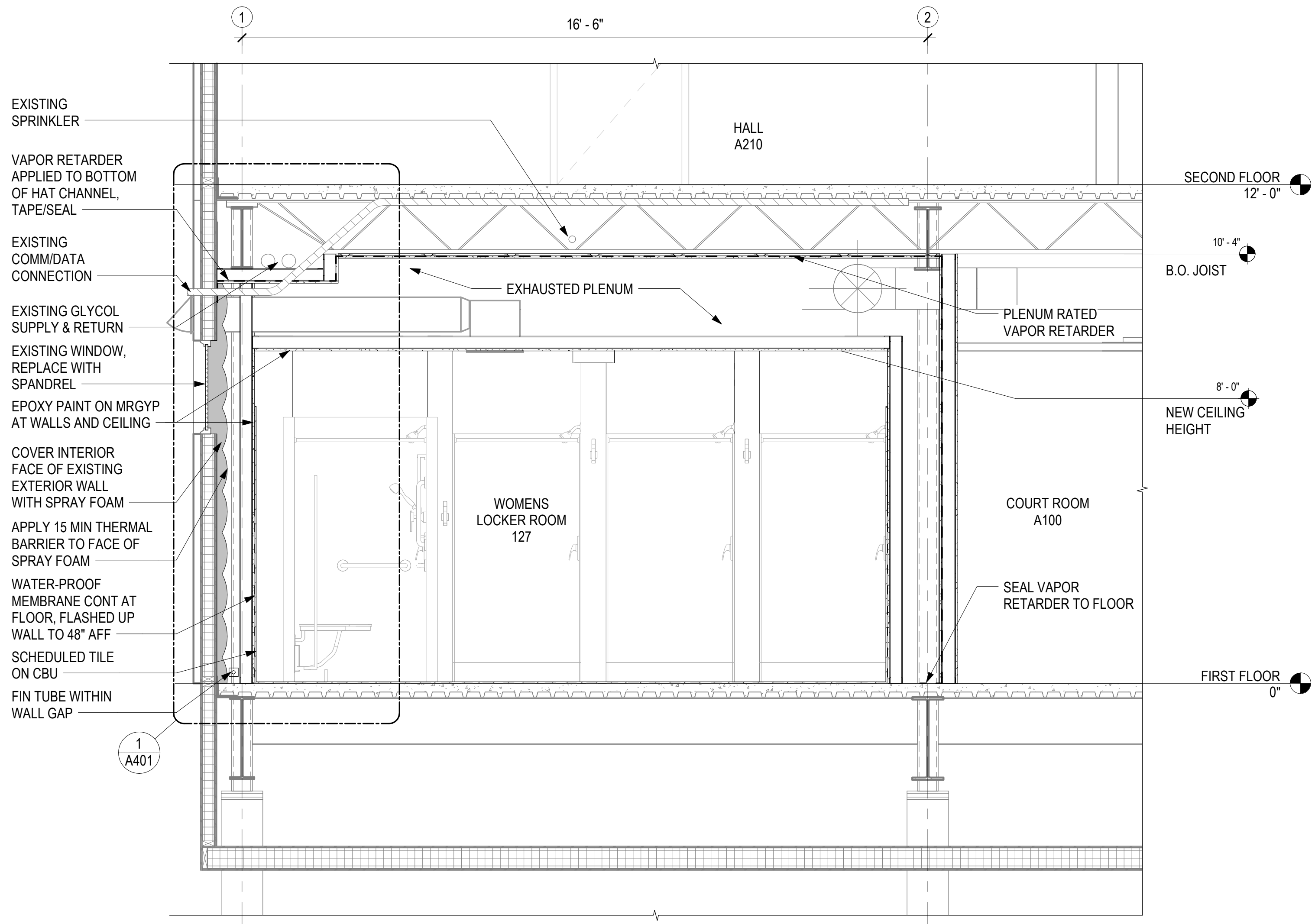
1 BUILDING SECTION 1
A303 3/16" = 1'-0"



2 BUILDING SECTION 2
A303 3/16" = 1'-0"



3 BUILDING SECTION 3
A303 3/16" = 1'-0"



4 LOCKER ROOM - SECTION
A303 1/2" = 1'-0"



CONSULTANT:

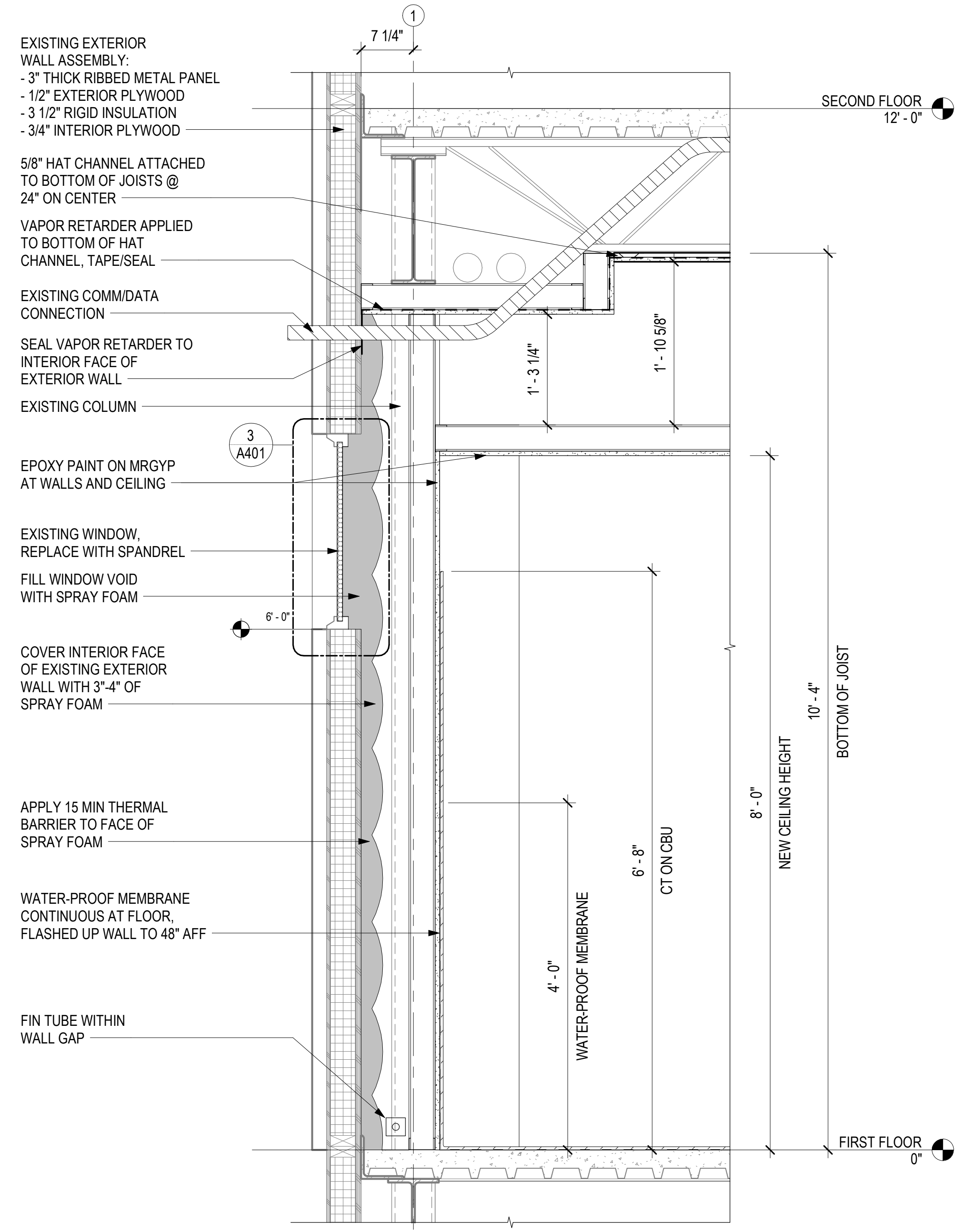
PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: MG

REVISION	DESCRIPTION	DATE

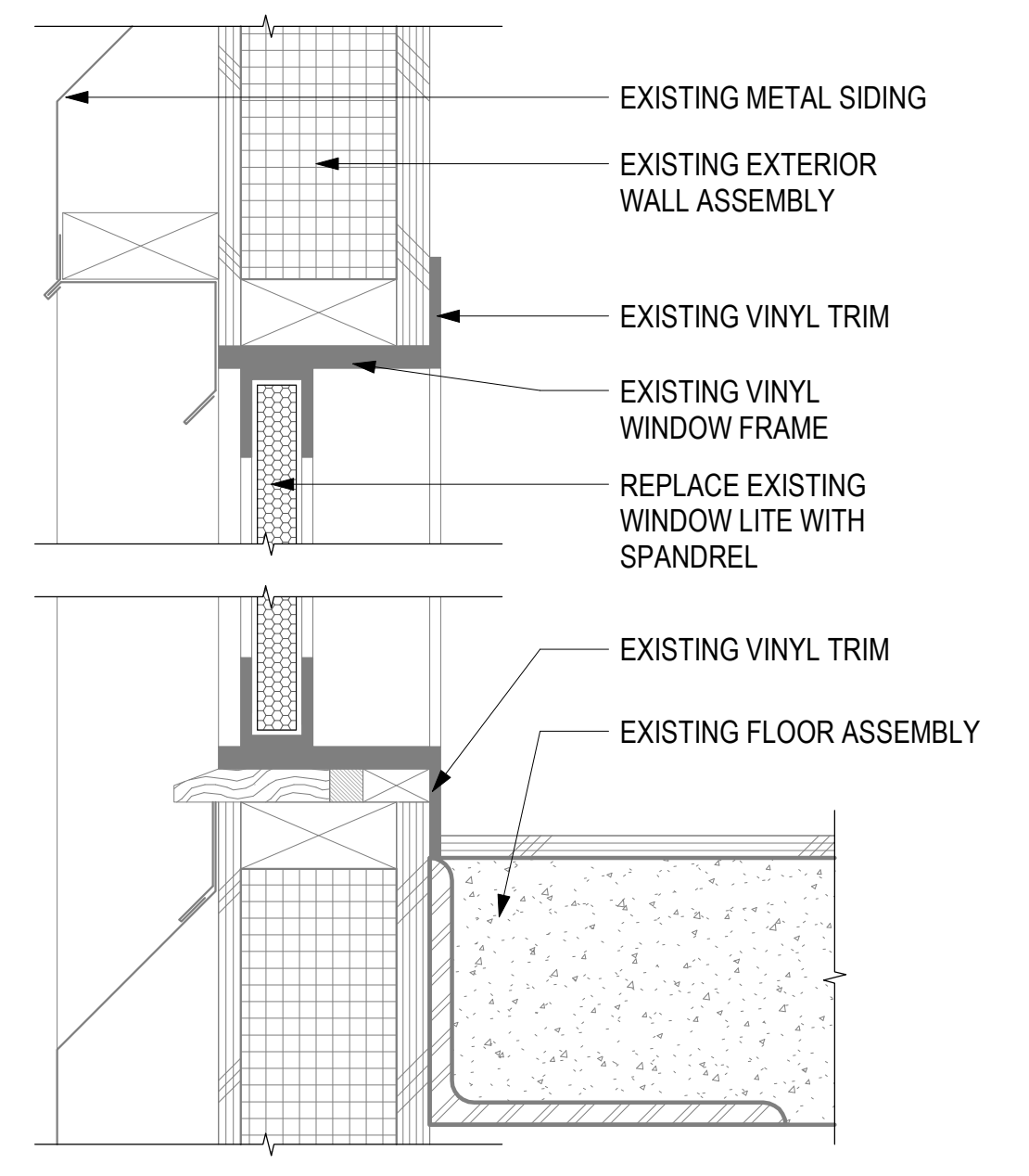
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

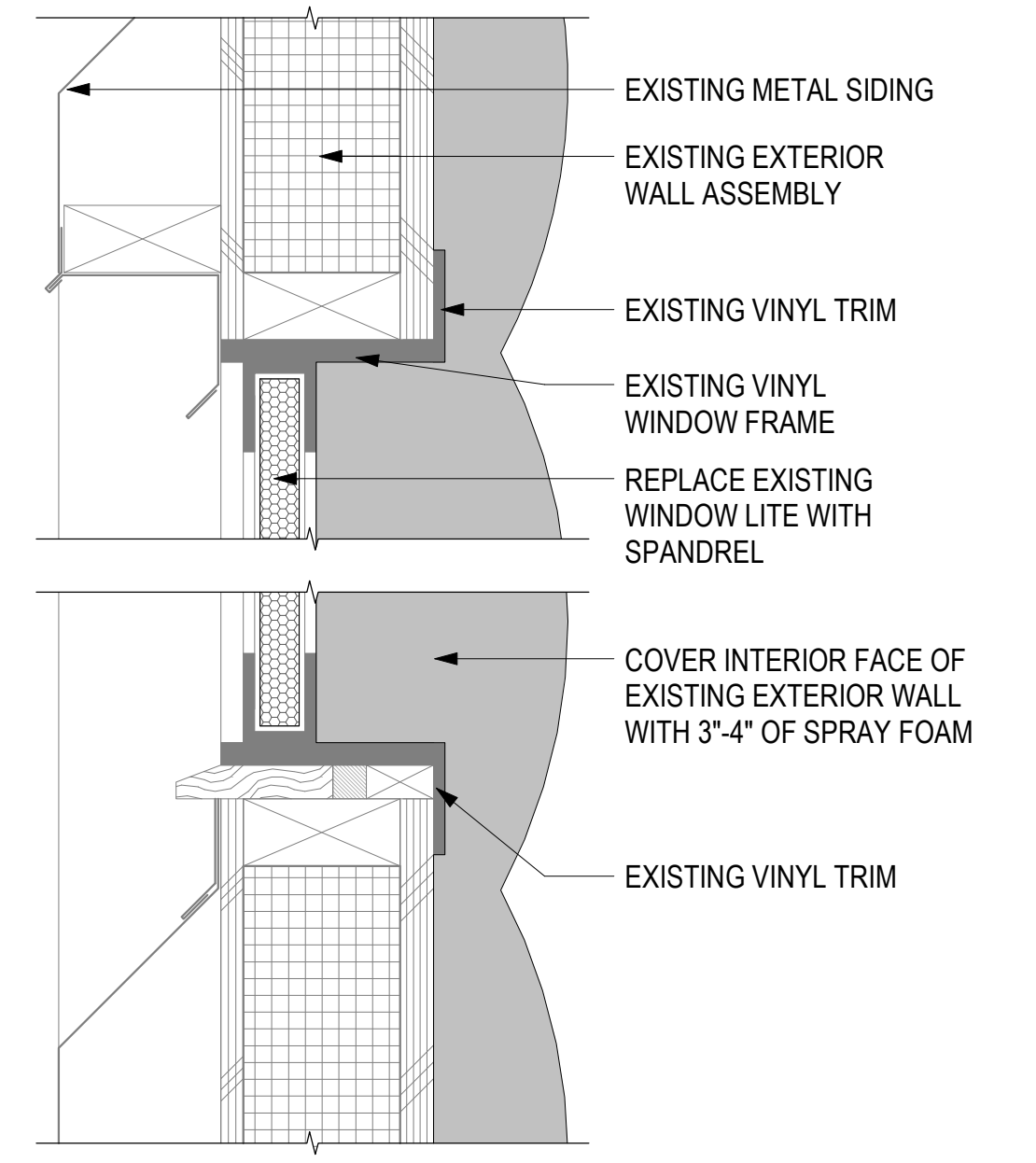
5/2/2023 9:42:06 AM



1 LOCKER ROOM - EXTERIOR WALL SECTION
1" = 1'-0"



2 EXISTING WINDOW @ FLOOR
3" = 1'-0"



3 EXISTING WINDOW @ LOCKER ROOM
3" = 1'-0"



CONSULTANT:

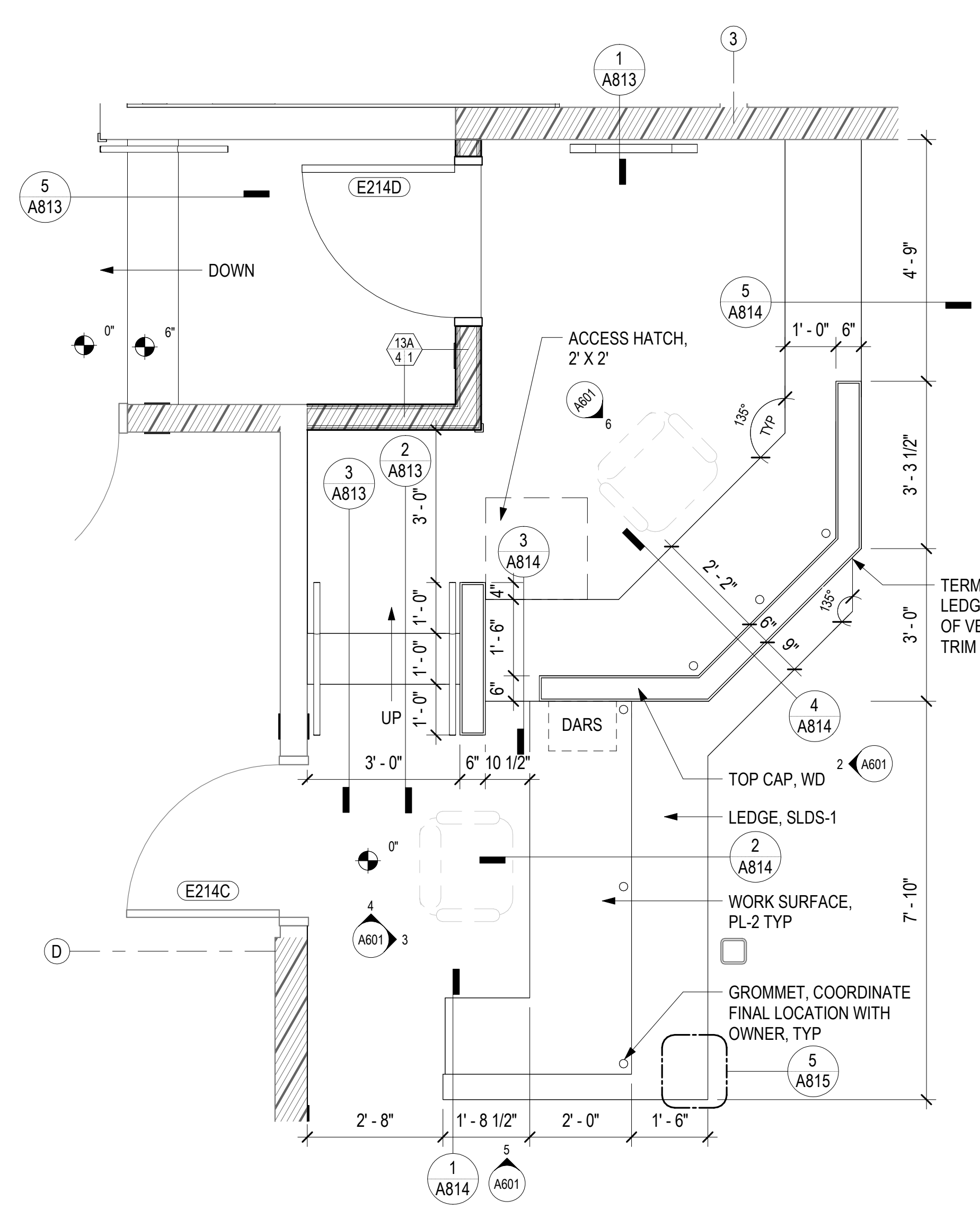
PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

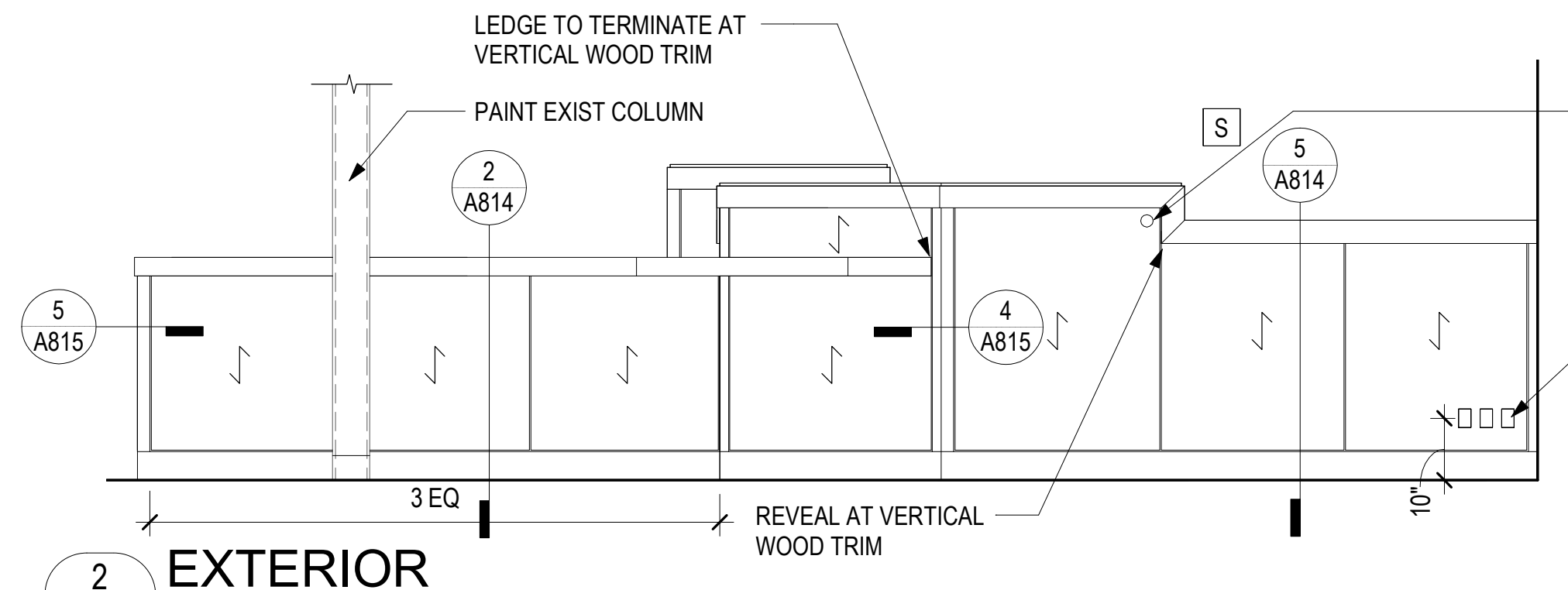
WALL SECTIONS
A401

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

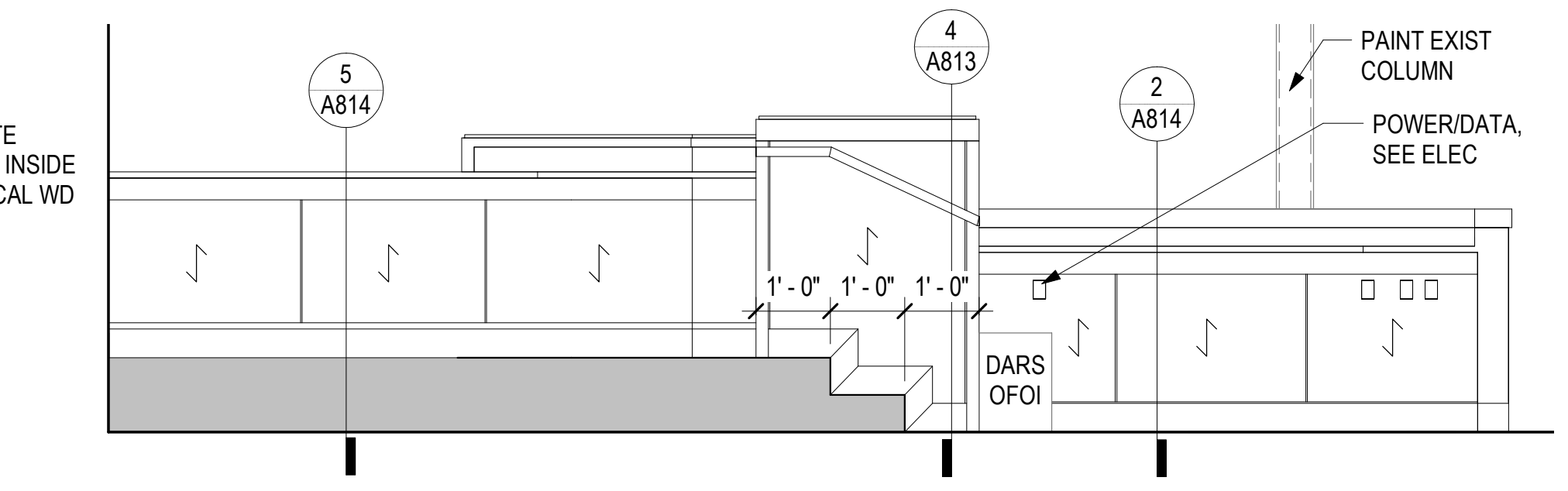
Autodesk Docs://20-102_ACS_Kotzebue_CH/20-102_ACS_KOTZ CH-A-Model.rvt 5/2/2023 9:42:08 AM



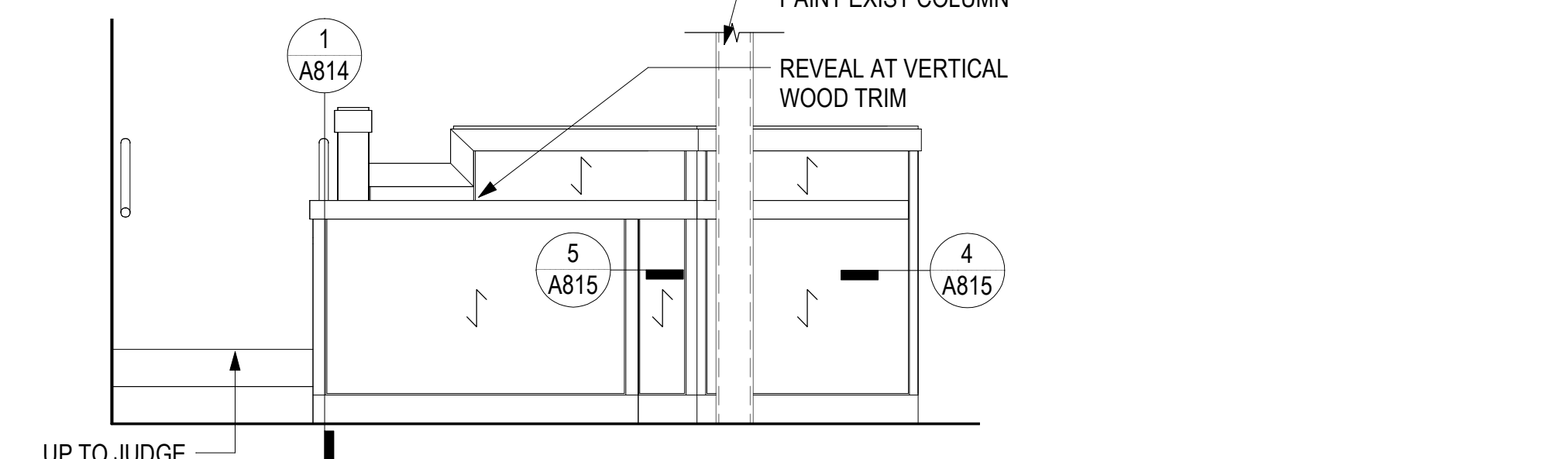
1 JUDGE & CLERK - DISTRICT COURTROOM
A601 1/2" = 1'-0"



2 EXTERIOR
A601 1/2" = 1'-0"



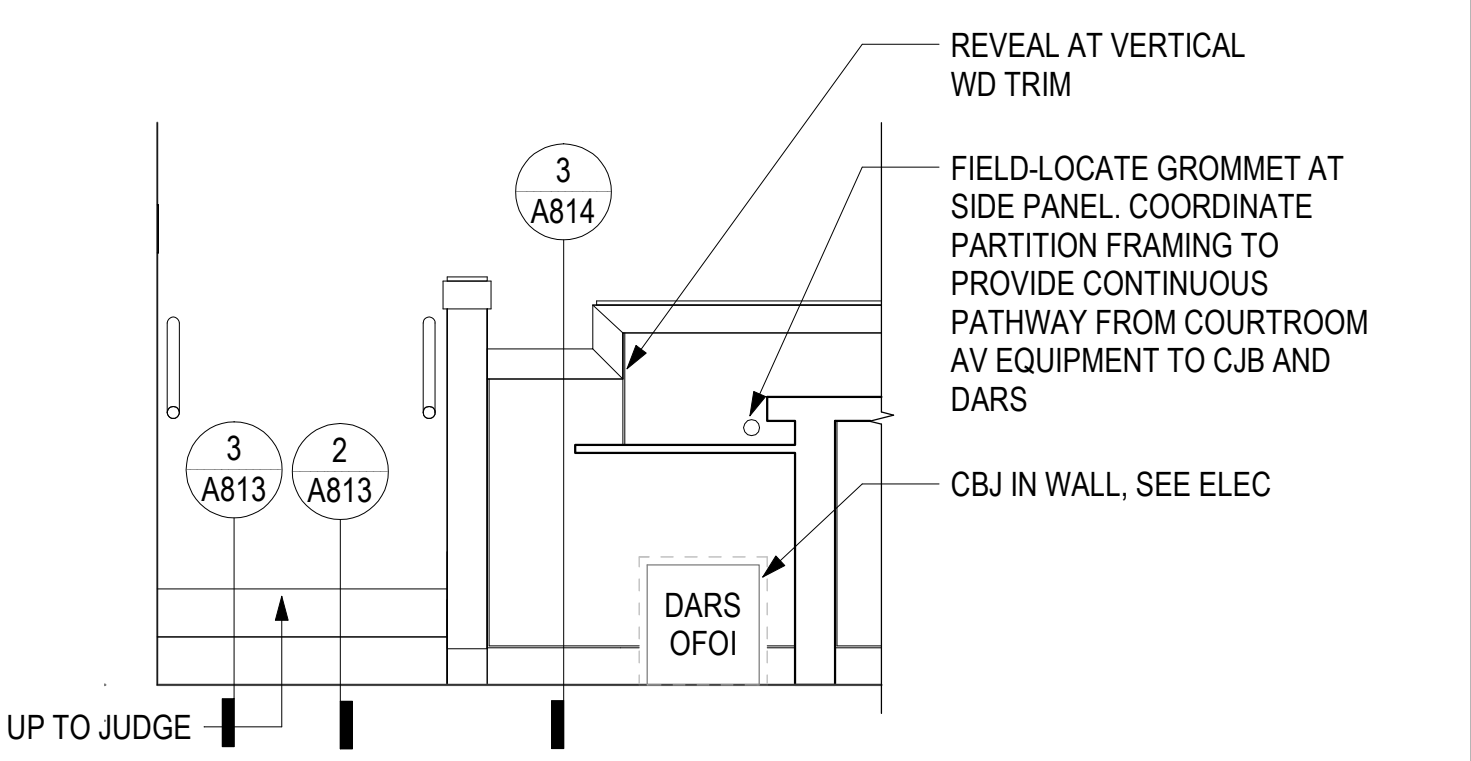
3 INTERIOR
A601 1/2" = 1'-0"



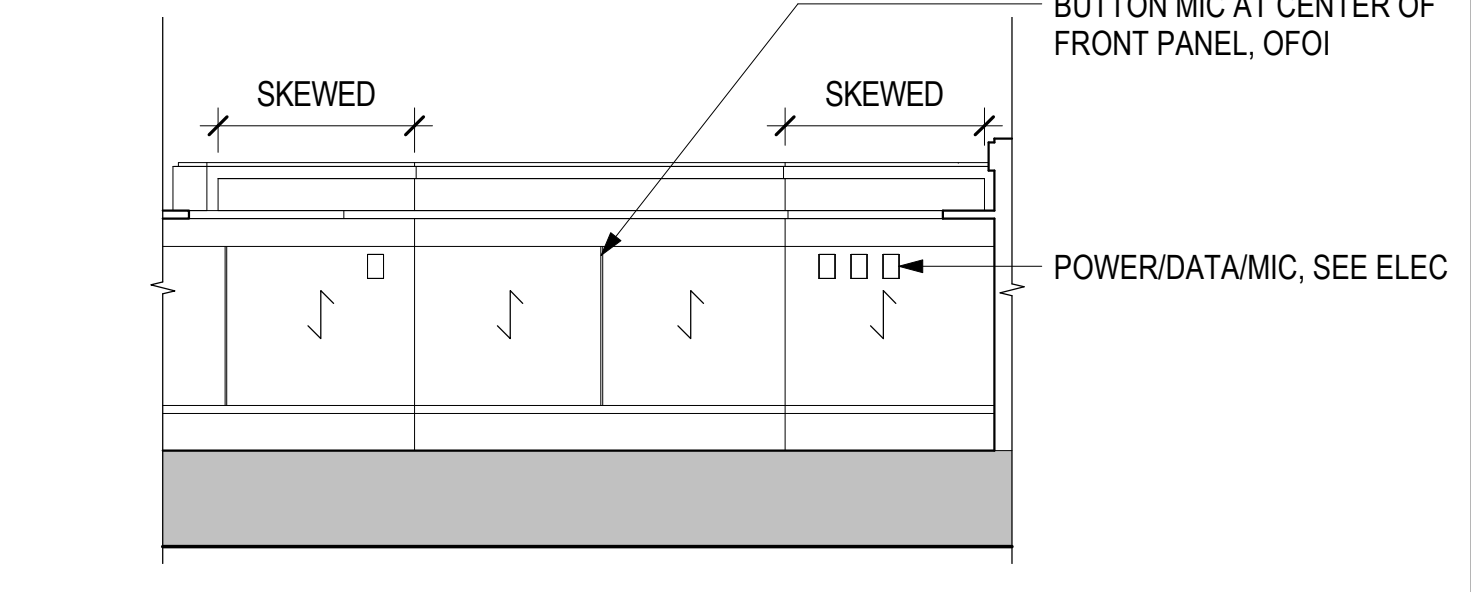
5 EXTERIOR
A601 1/2" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES

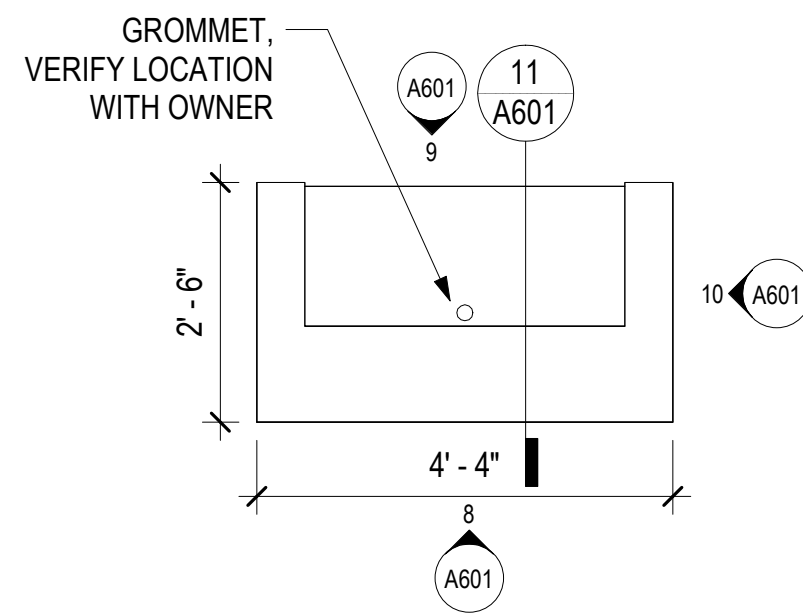
- A. REFER TO SHEET A913 FOR FINISH LEGEND.
- B. REFER TO SHEET A701 FOR TYPICAL MOUNTING HEIGHTS.
- C. REFER TO SHEET A831 FOR CASEWORK LEGEND AND DETAILS.
- D. PAINT EXPOSED METAL DECK, STRUCTURE, DUCTS, AND CONDUIT AS SCHEDULED.



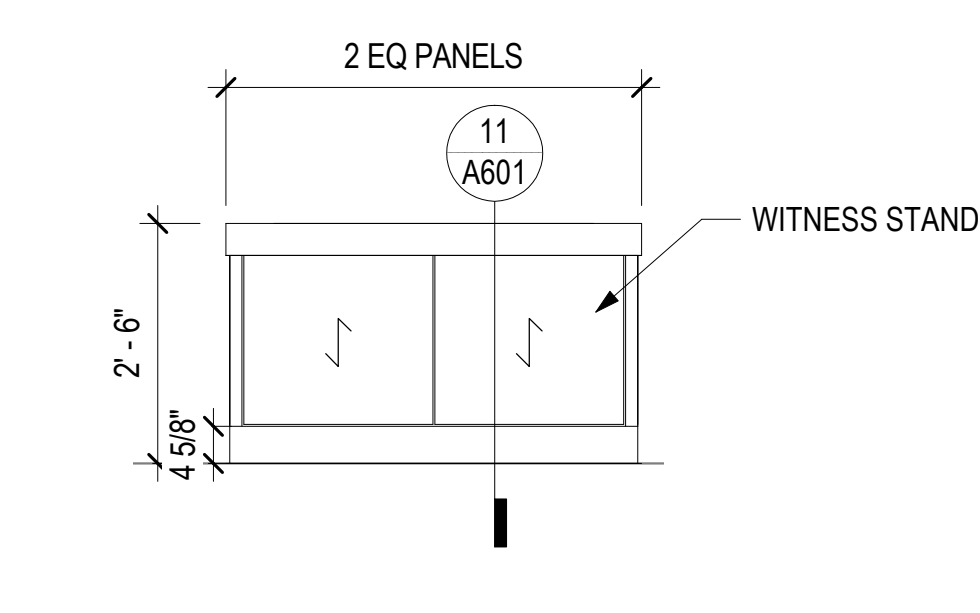
4 INTERIOR
A601 1/2" = 1'-0"



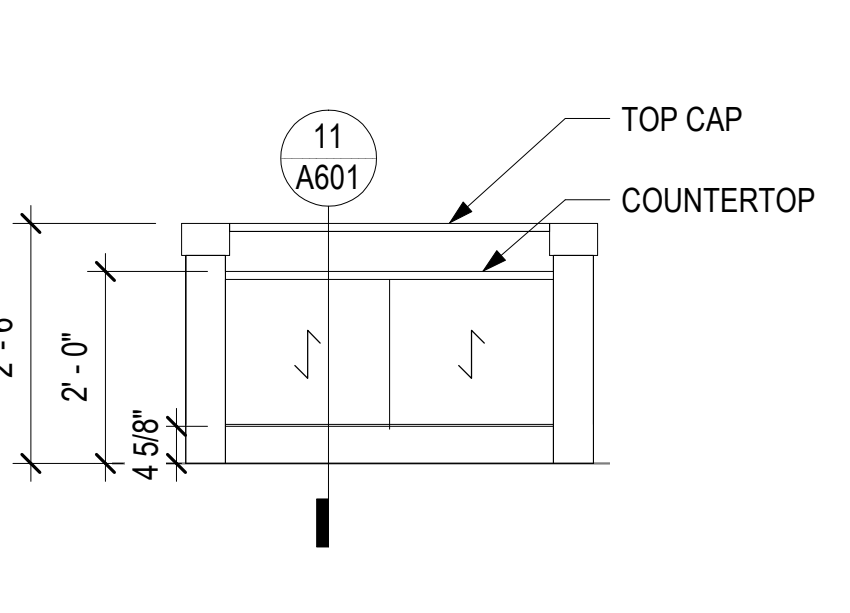
6 INTERIOR
A601 1/2" = 1'-0"



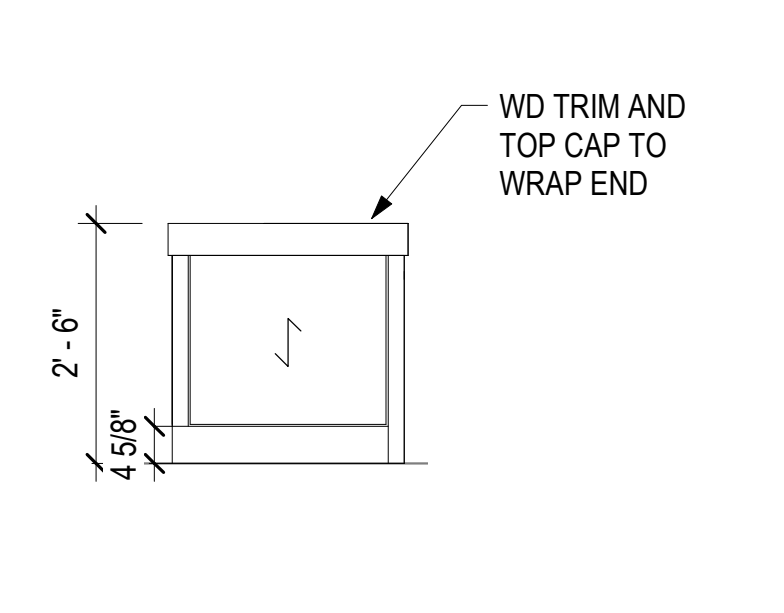
7 WITNESS STAND
A601 1/2" = 1'-0"



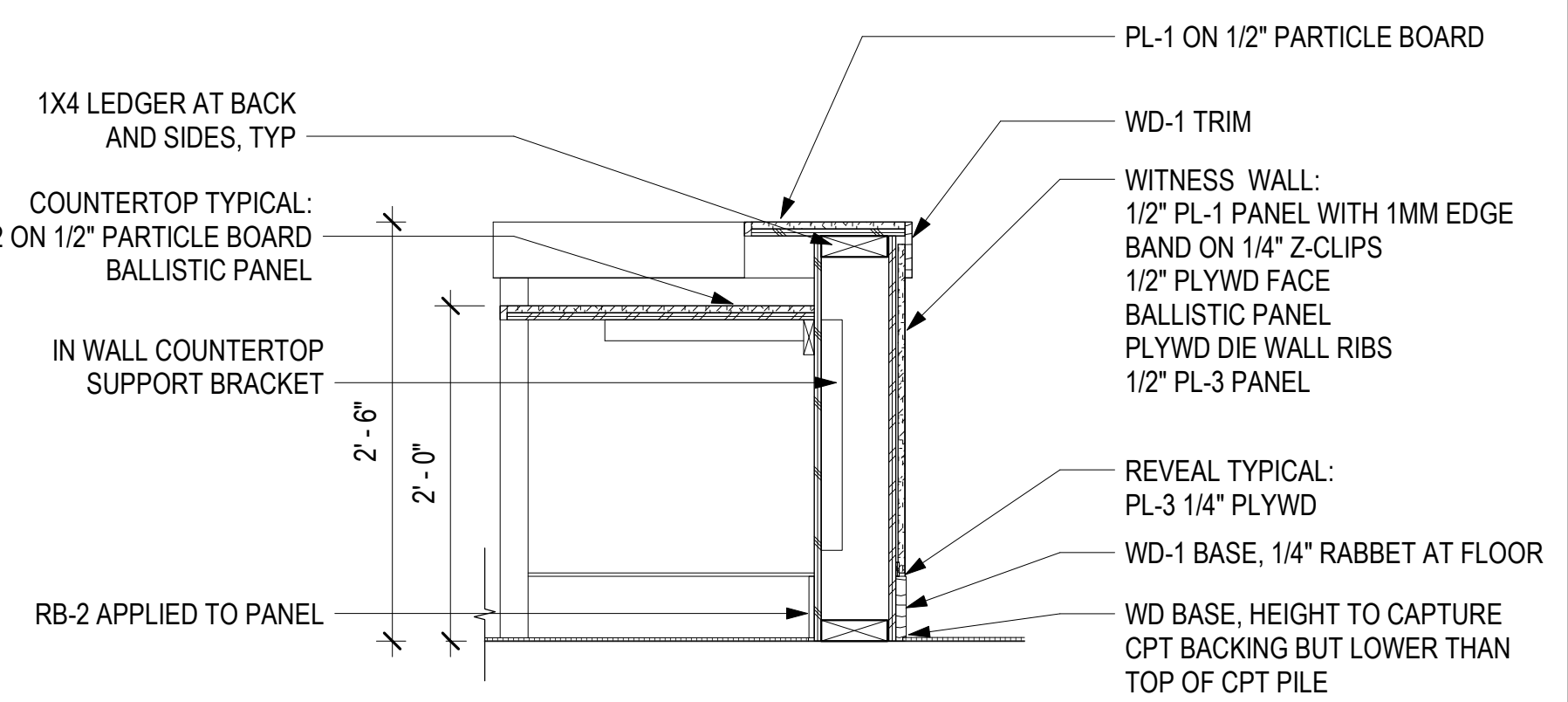
8 WITNESS - EXTERIOR
A601 1/2" = 1'-0"



9 WITNESS - INTERIOR
A601 1/2" = 1'-0"

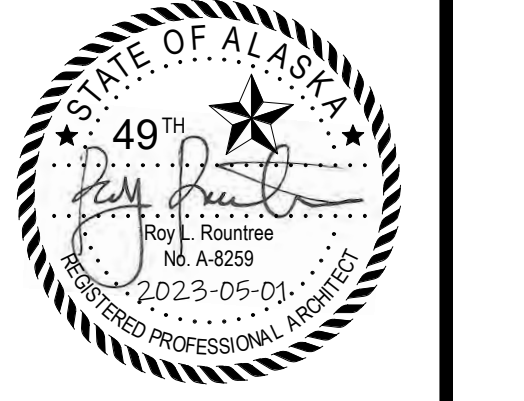


10 WITNESS - SIDE
A601 1/2" = 1'-0"



11 WITNESS STAND DETAIL
A601 1" = 1'-0"

BETTISWORTH NORTH



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION & SECURITY UPGRADES
KOTZEBUE, ALASKA

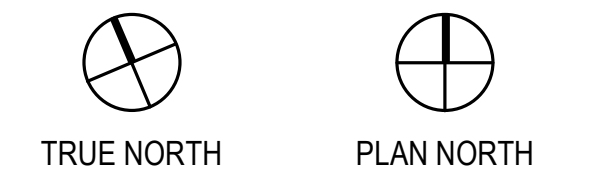
CONSULTANT:

PROJECT NO:	20-102	
DATE:	2023-05-01	
DRAWN BY:	GB	
CHECKED BY:	DN	
REVISION	DESCRIPTION	DATE

DISTRICT COURTROOM - ENLARGED BENCH PLAN, ELEVATIONS & DETAILS

A601

BETTISWORTH NORTH ARCHITECTS & PLANNERS



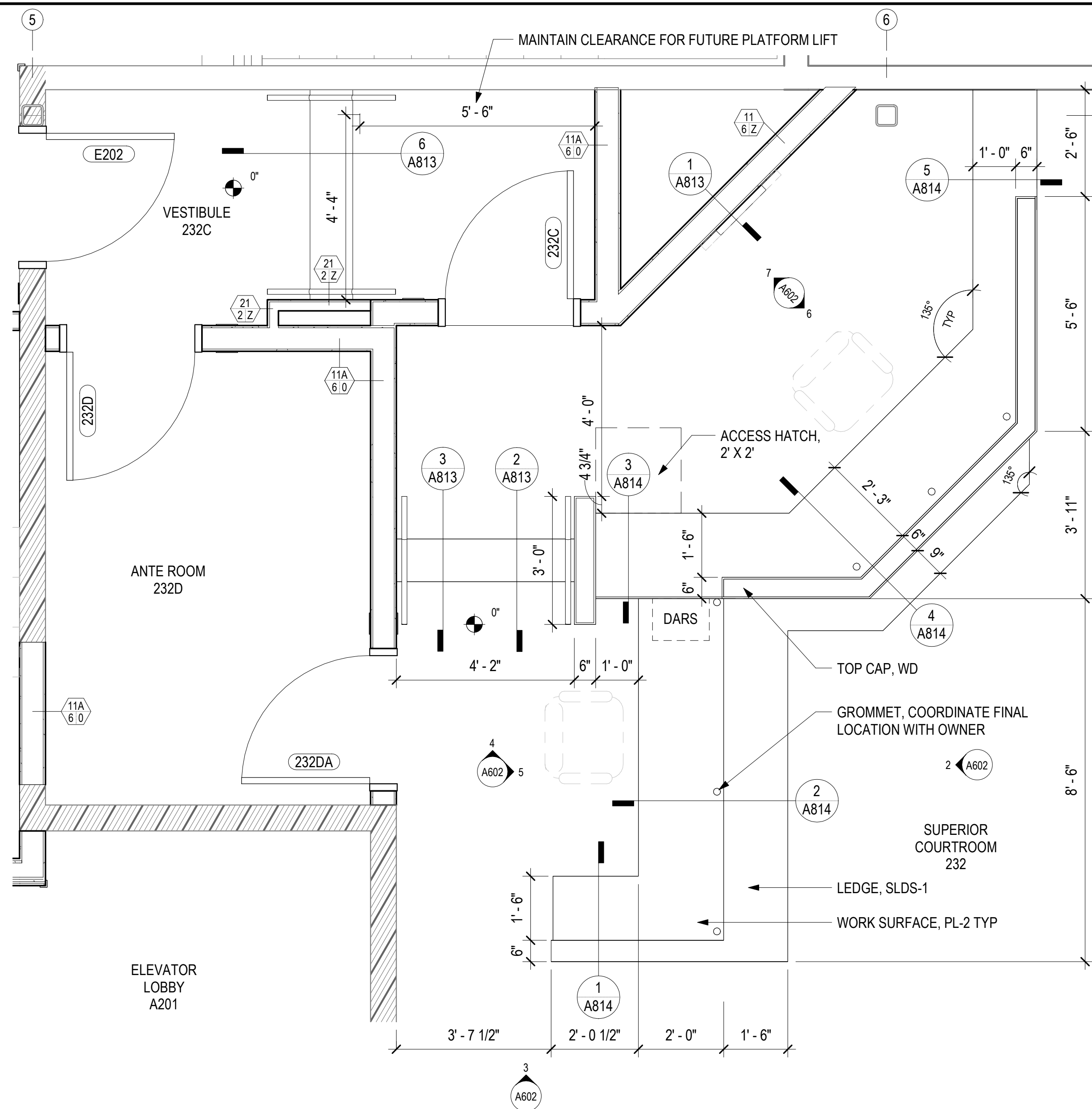
CORPORATE NO. AEC2219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

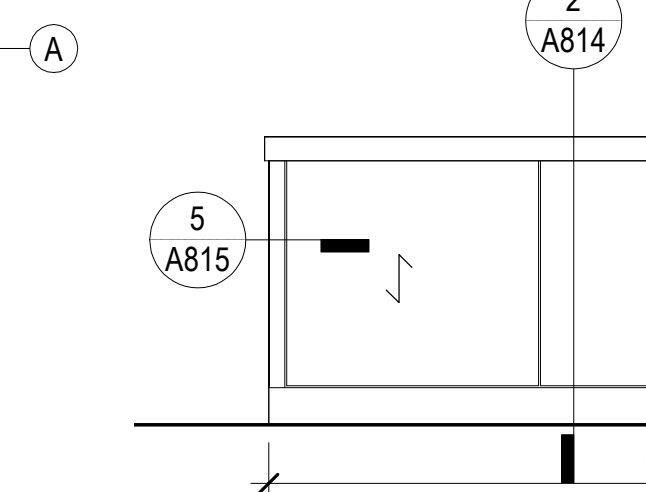
Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

5/2/2023 9:42:09 AM

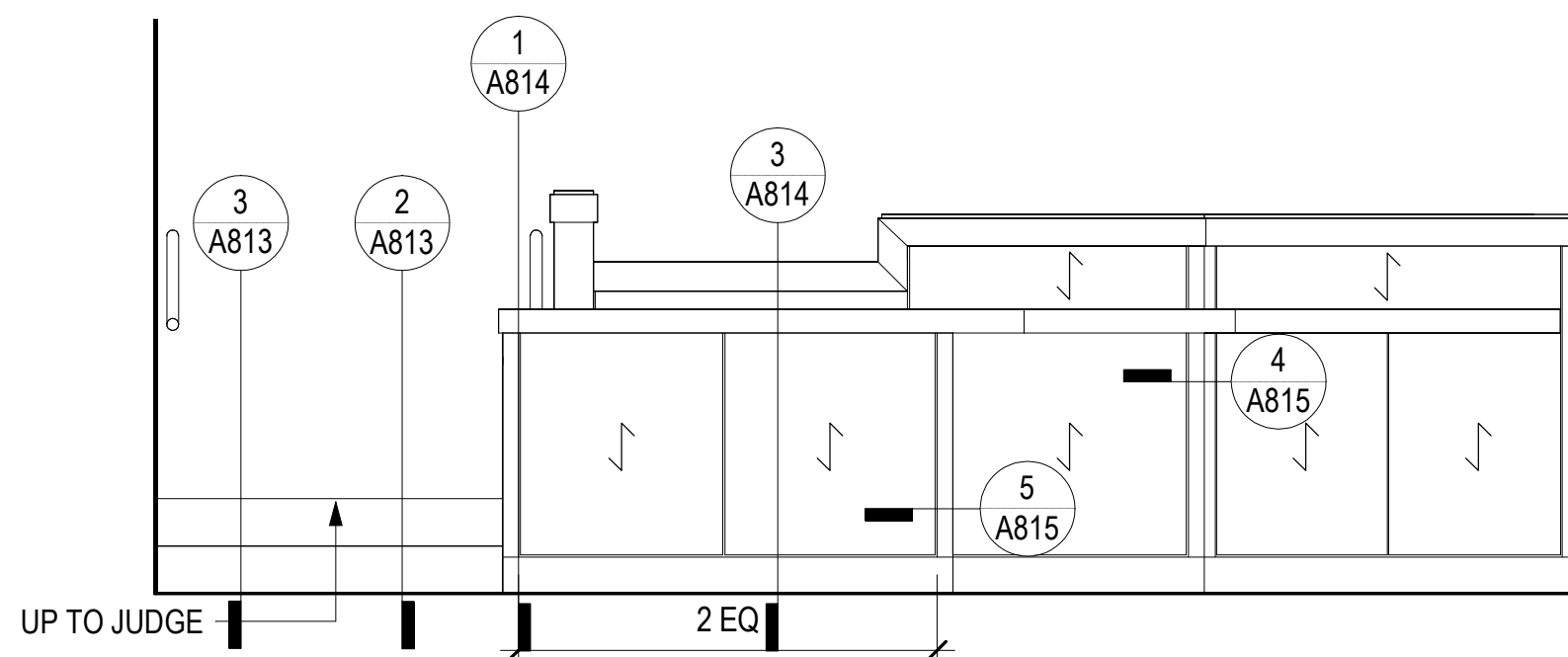


1 JUDGE & CLERK - SUPERIOR COURTROOM
A602 1/2" = 1'-0"

FIELD LOCATE GROMMET AT SIDE PANEL. COORD PARTITION FRAMING TO PROVIDE CONTINUOUS PATHWAY FROM COURTROOM AV EQUIPMENT TO CJB AND DARS

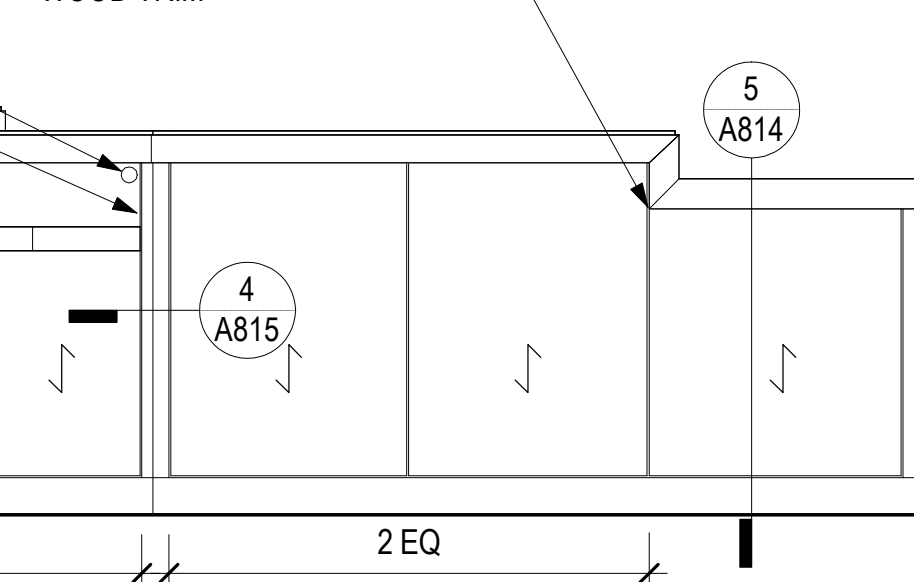


2 EXTERIOR
A602 1/2" = 1'-0"

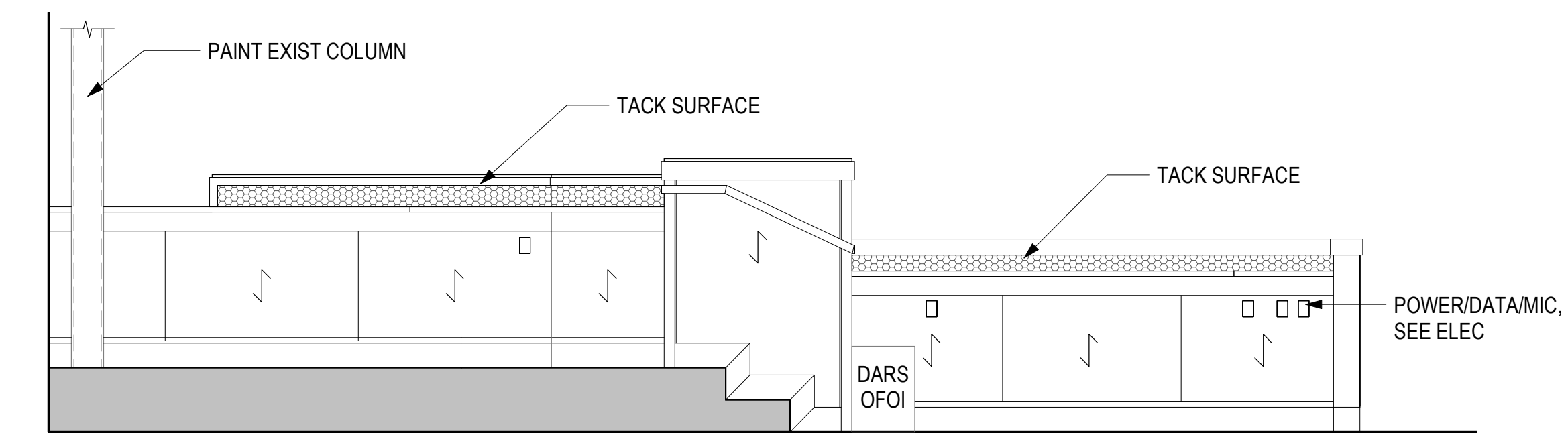


3 EXTERIOR
A602 1/2" = 1'-0"

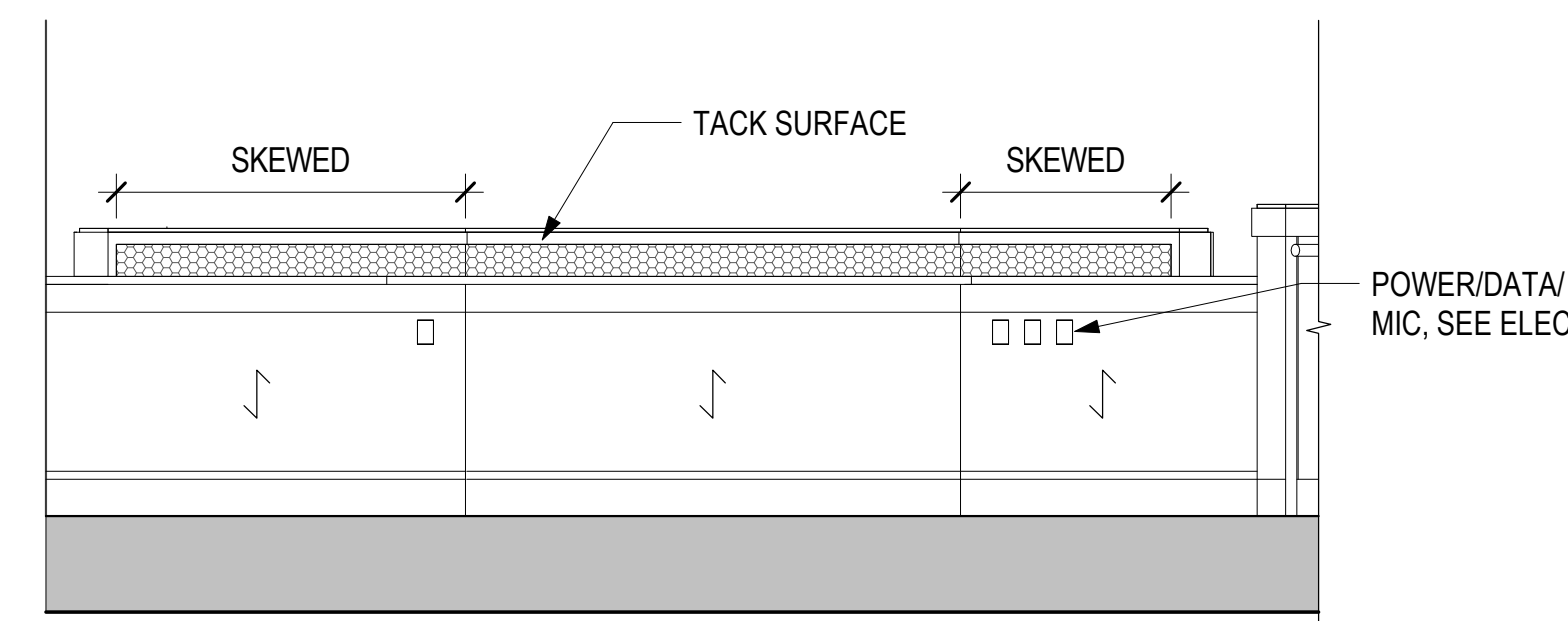
REVEAL AT VERTICAL WOOD TRIM



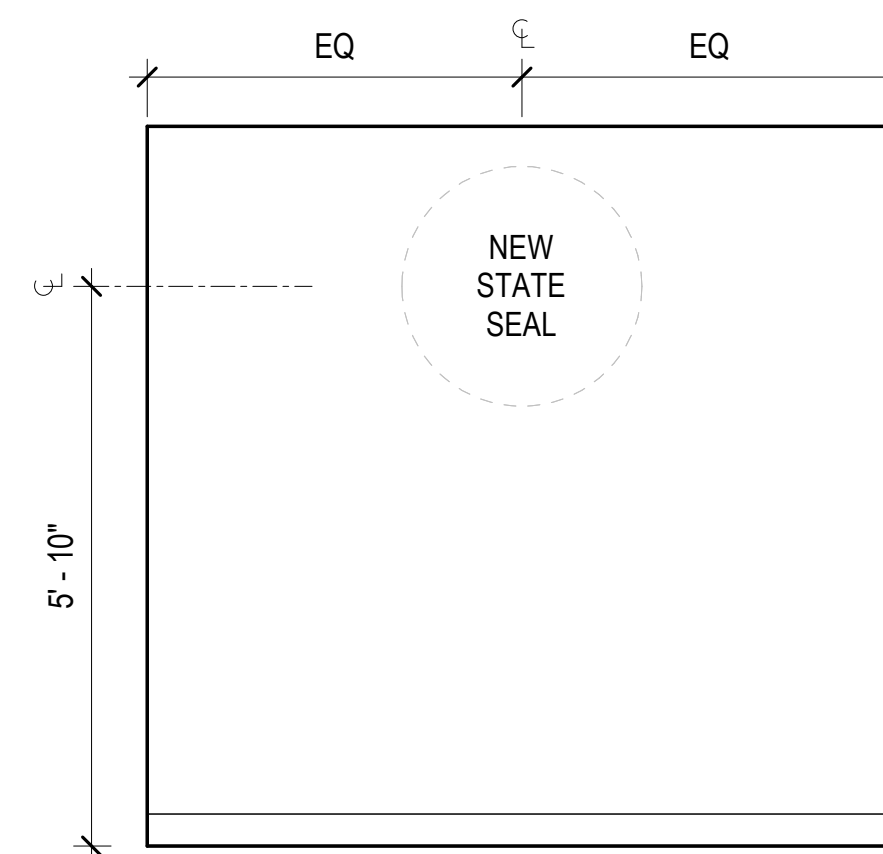
4 INTERIOR - N
A602 1/2" = 1'-0"



5 INTERIOR
A602 1/2" = 1'-0"



6 INTERIOR
A602 1/2" = 1'-0"



7 STATE SEAL - SUPERIOR CR
A602 1/2" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES

- A. REFER TO SHEET A913 FOR FINISH LEGEND.
- B. REFER TO SHEET A701 FOR TYPICAL MOUNTING HEIGHTS.
- C. REFER TO SHEET A831 FOR CASEWORK LEGEND AND DETAILS.
- D. PAINT EXPOSED METAL DECK, STRUCTURE, DUCTS, AND CONDUIT AS SCHEDULED.

FIELD-LOCATE GROMMET AT SIDE PANEL. COORDINATE PARTITION FRAMING TO PROVIDE CONTINUOUS PATHWAY FROM COURTROOM AV EQUIPMENT TO CJB AND DARS

CJB IN WALL, SEE ELEC

DARS OFOI

UP TO JUDGE



**ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION
& SECURITY UPGRADES
KOTZEBUE, ALASKA**

CONSULTANT:

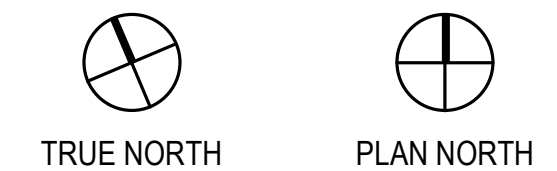
PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

SUPERIOR COURTROOM - ENLARGED BENCH PLAN, ELEVATIONS & DETAILS

A602

BETTISWORTH NORTH ARCHITECTS & PLANNERS



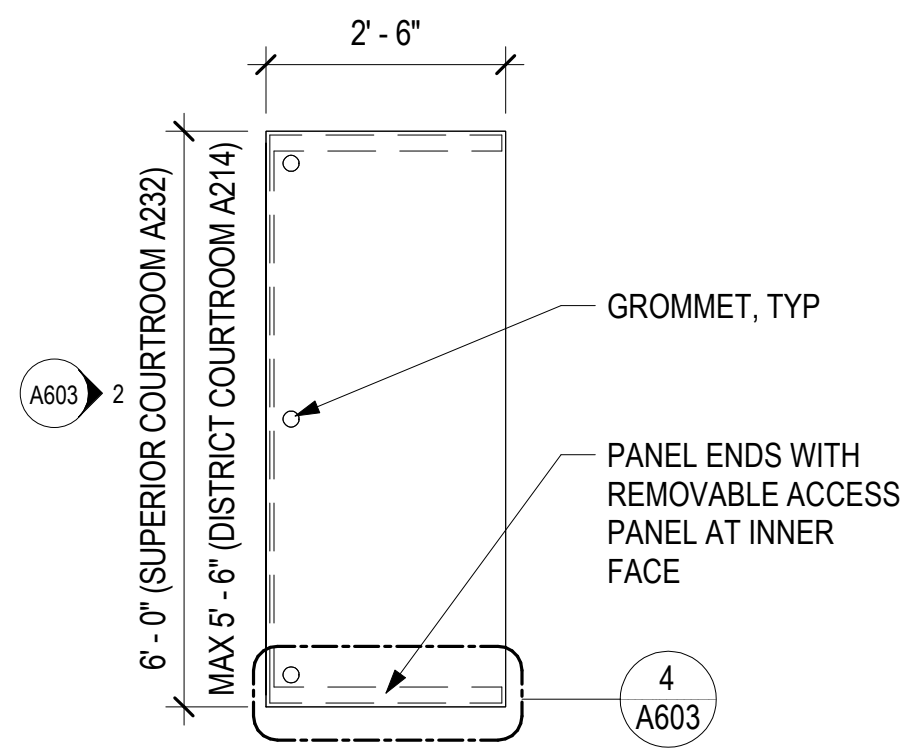
CORPORATE NO. AEC2219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

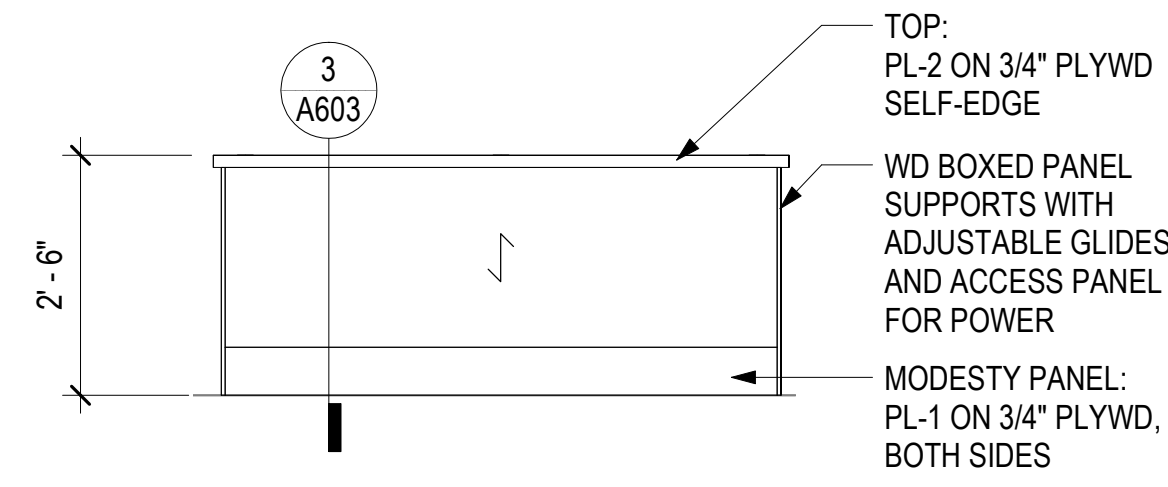
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

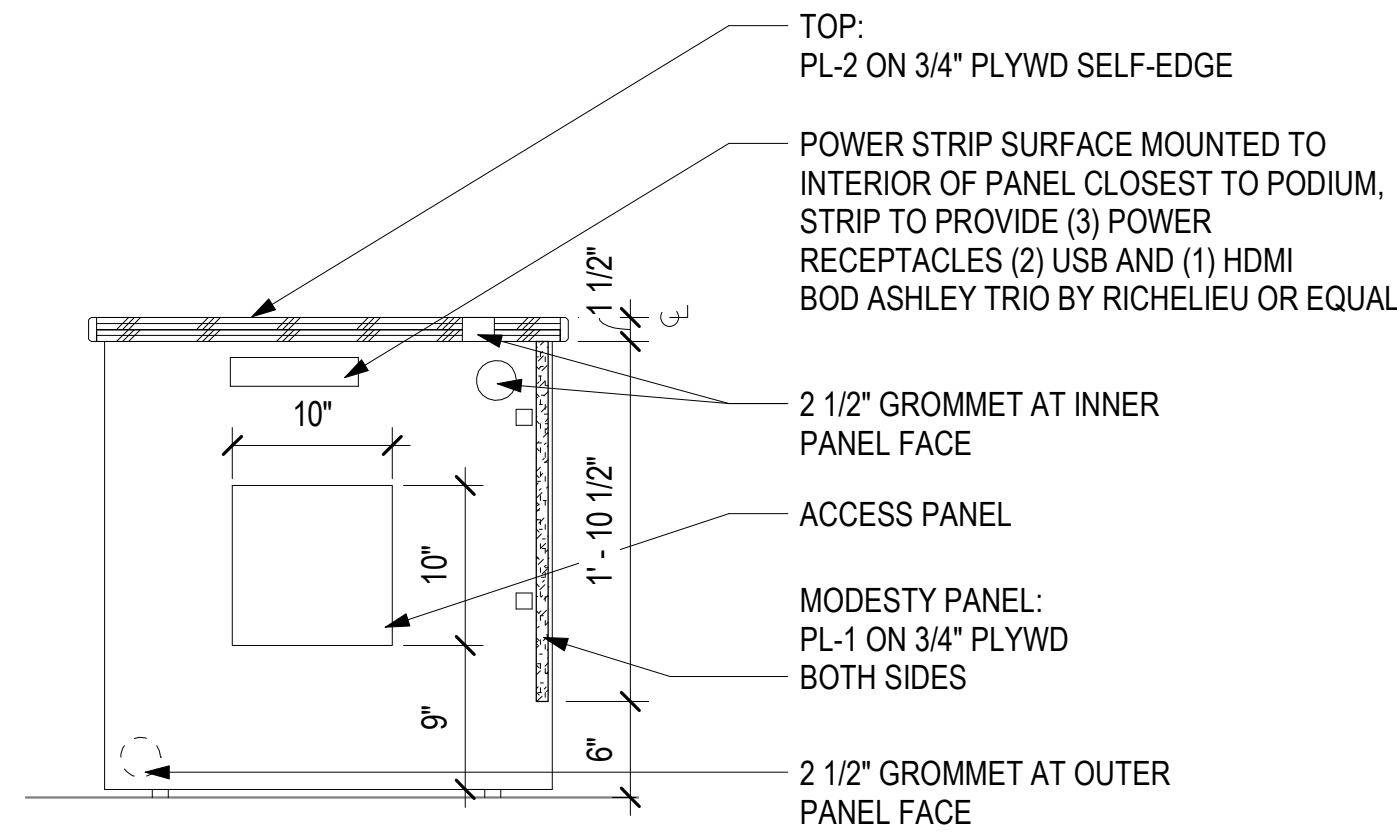
5/2/2023 9:42:10 AM



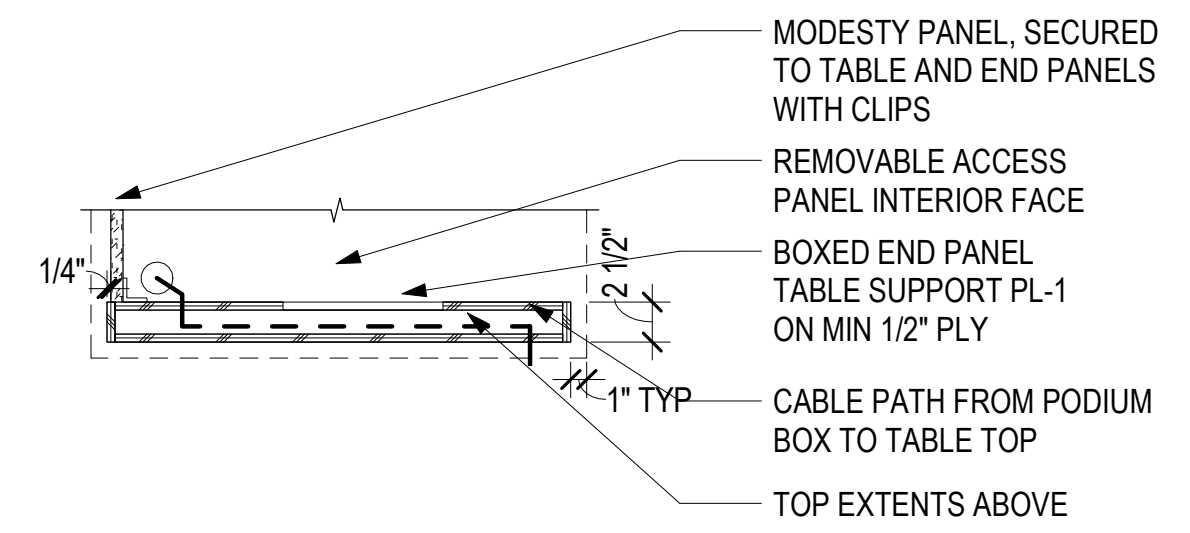
1 LITIGANT TABLES
A603 1/2" = 1'-0" ENLARGED PLAN



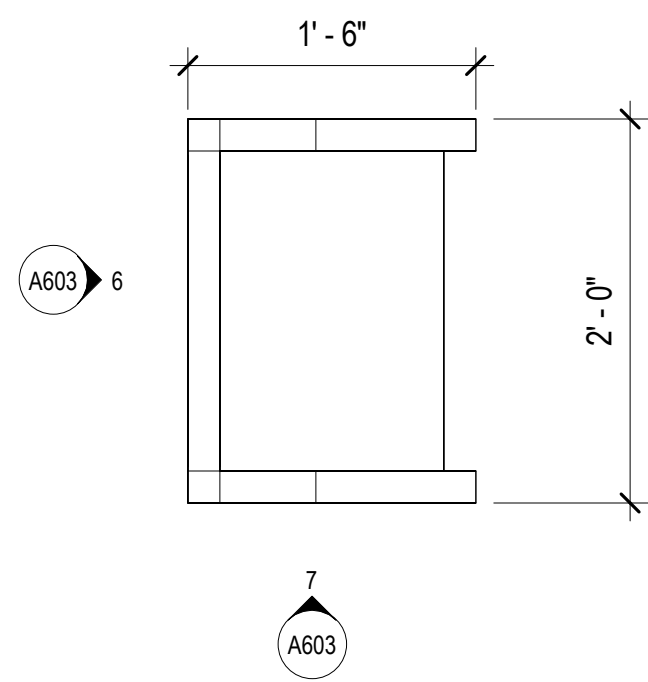
2 LITIGANT - FRONT ELEVATION
A603 1/2" = 1'-0"



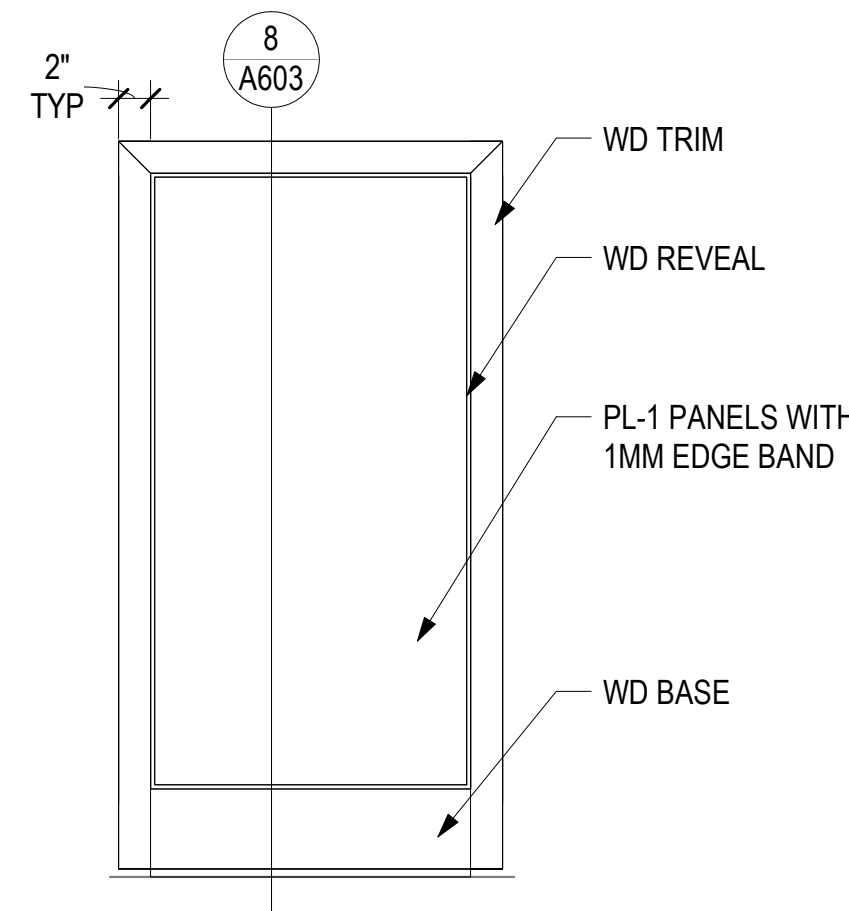
3 LITIGANT - SECTION
A603 1" = 1'-0"



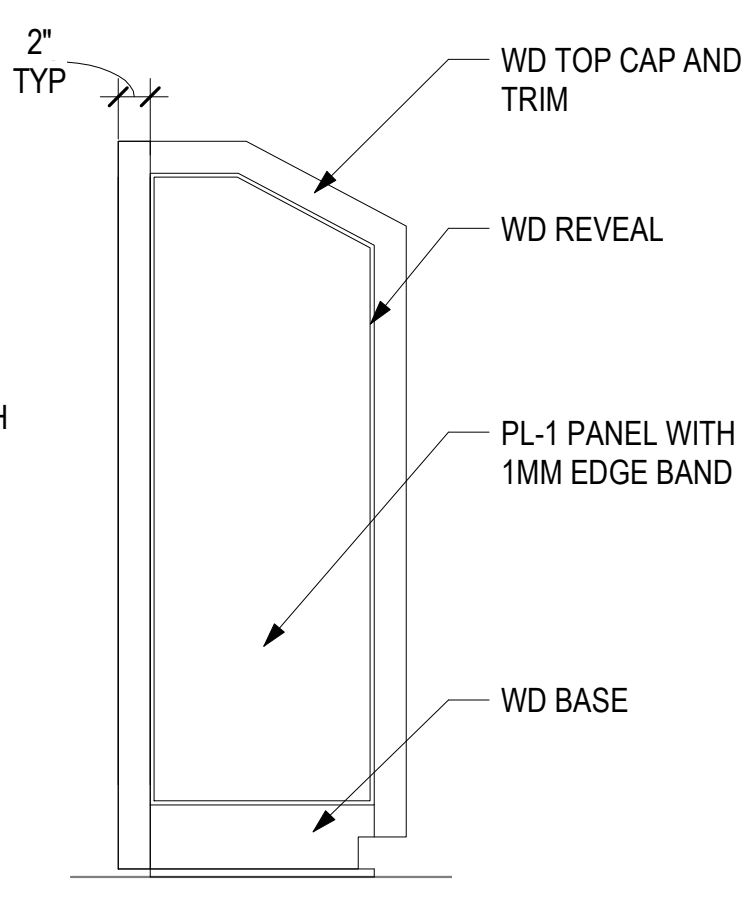
4 LITIGANT TABLE END PANEL
A603 1" = 1'-0" ENLARGED PLAN



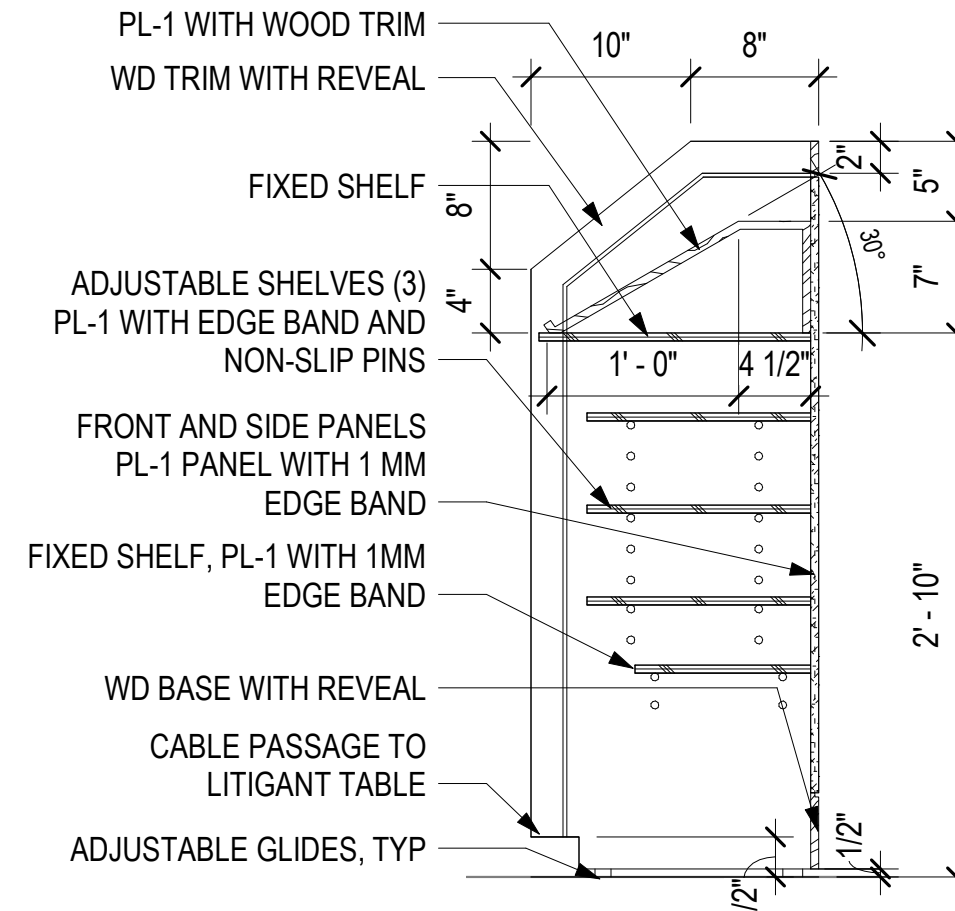
5 PODIUM
A603 1" = 1'-0" ENLARGED PLAN



6 PODIUM - FRONT
A603 1" = 1'-0"



7 PODIUM - SIDE
A603 1" = 1'-0"



8 PODIUM - SECTION
A603 1" = 1'-0"



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION & SECURITY UPGRADES
KOTZEBUE, ALASKA

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: EG
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

SUPERIOR COURTROOM - ENLARGED PODIUM & LITIGATION TABLES DETAILS
A603

CORPORATE NO. AECC219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

BETTISWORTH NORTH

BETTISWORTH NORTH ARCHITECTS & PLANNERS

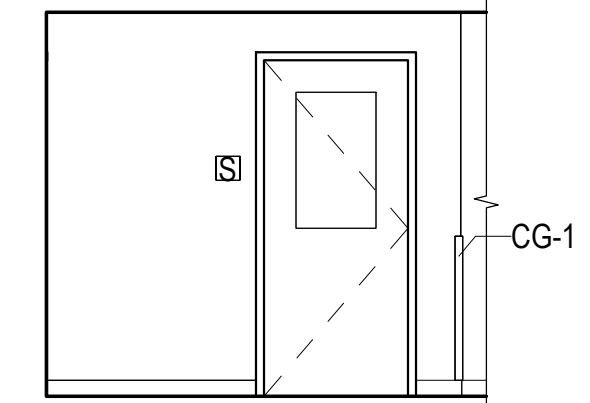
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

Autodesk Docs://20-102 ACS Kotzebue CH/20-102 ACS KOTZ CH-A-Model.rvt

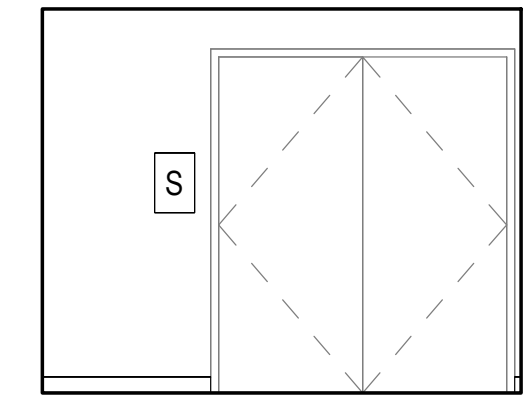
5/2/2023 9:42:13 AM

INTERIOR ELEVATION LEGEND	
-----	OFCI
-----	NIC

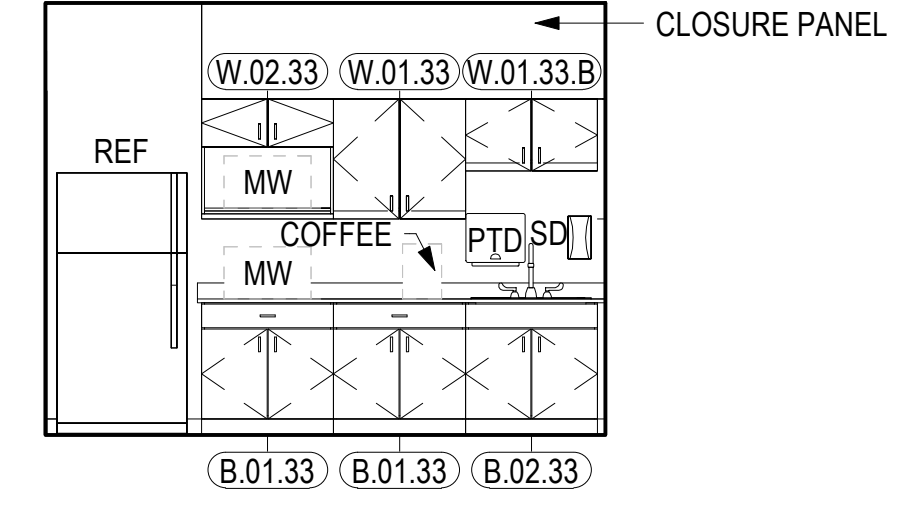
GENERAL INTERIOR ELEVATION NOTES	
A.	REFER TO SHEET A913 FOR FINISH LEGEND.
B.	REFER TO SHEET A701 FOR TYPICAL MOUNTING HEIGHTS.
C.	REFER TO SHEET A831 FOR CASEWORK LEGEND AND DETAILS.
D.	PAINT EXPOSED METAL DECK, STRUCTURE, DUCTS, AND CONDUIT AS SCHEDULED.



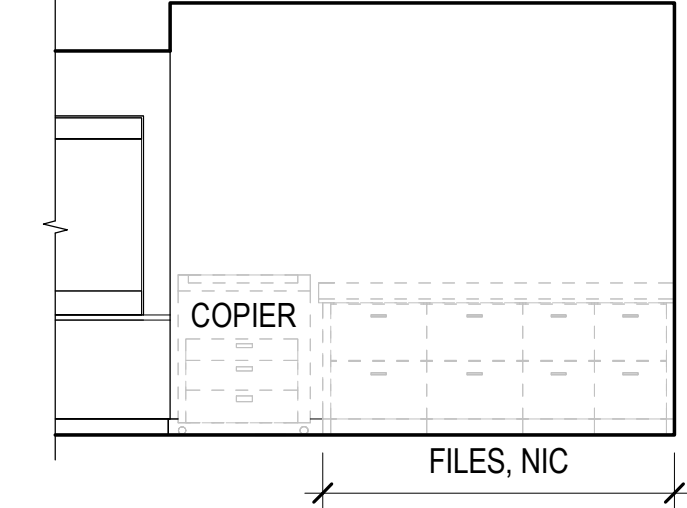
1 A702 A203 WALKWAY - N
1/4" = 1'-0"



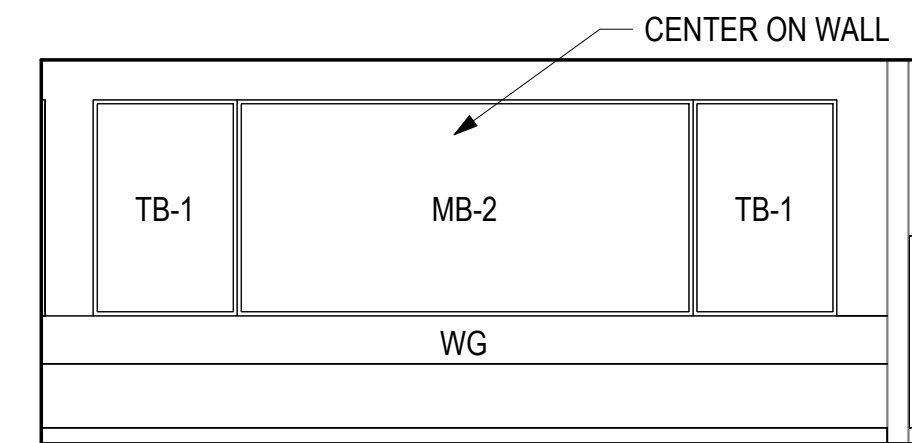
2 A702 A203 WALKWAY - W
1/4" = 1'-0"



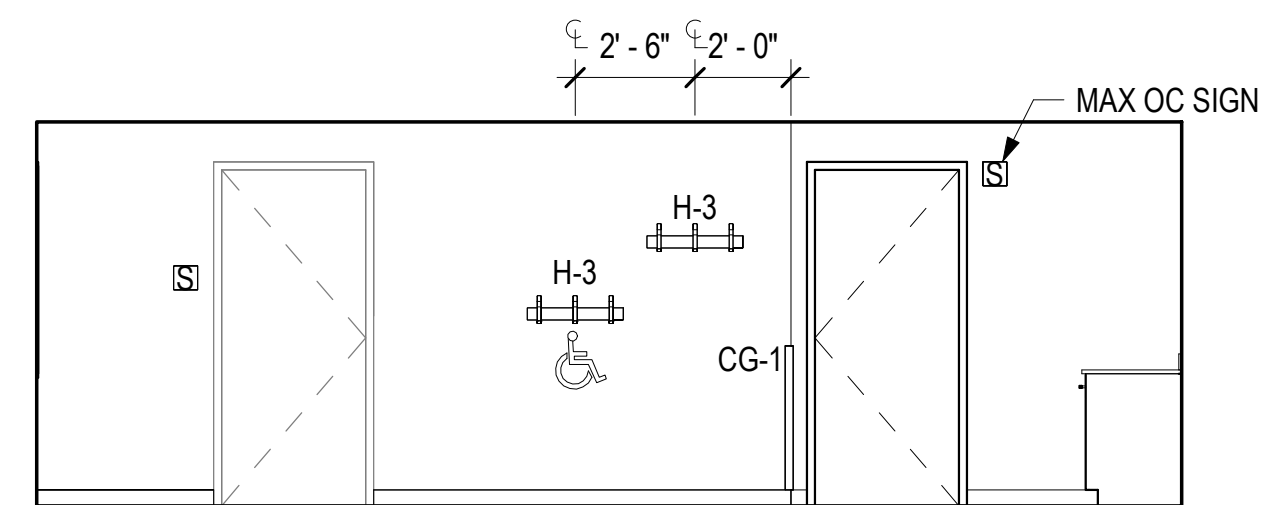
3 A702 A206A BREAK ROOM - S
1/4" = 1'-0"



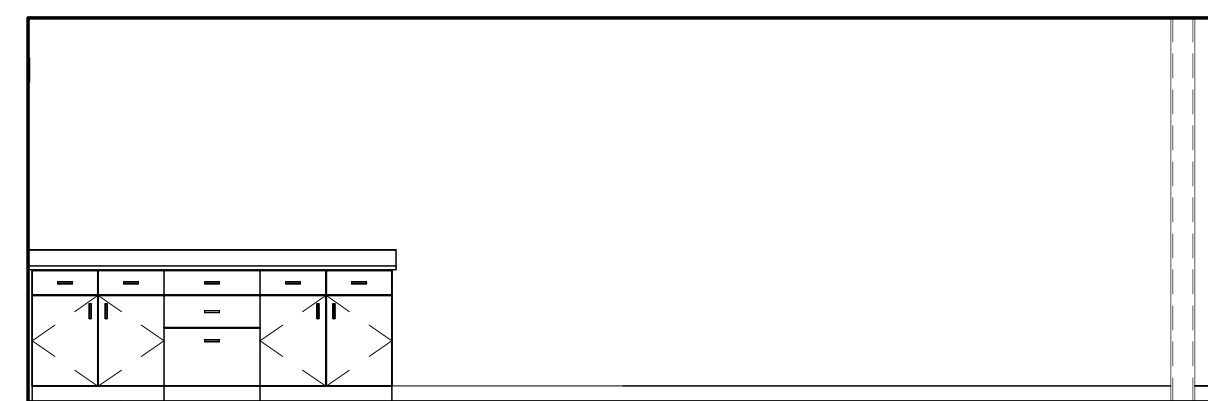
4 A702 A208 COPIER/STORAGE - E
1/4" = 1'-0"



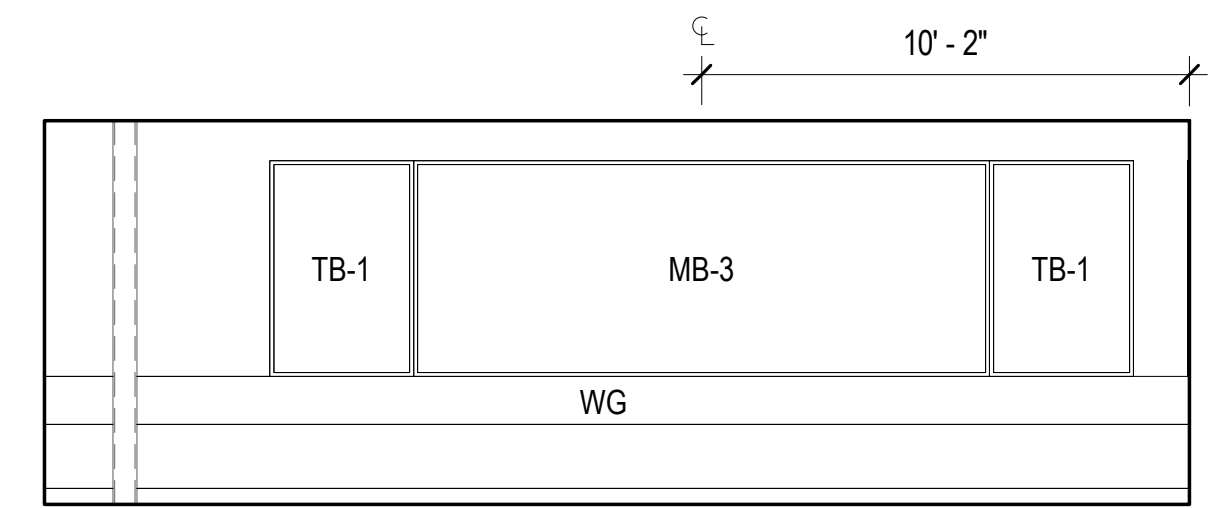
5 A702 A218 JURY ROOM - N
1/4" = 1'-0"



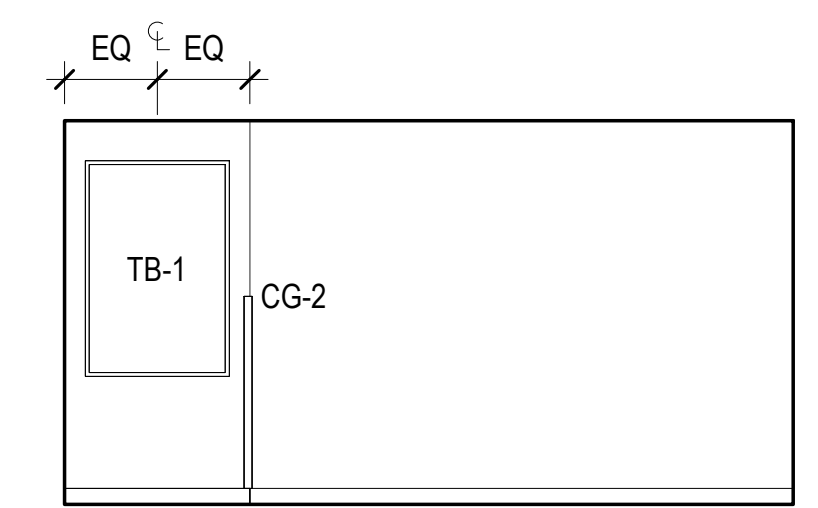
6 A702 A218 JURY ROOM - E
1/4" = 1'-0"



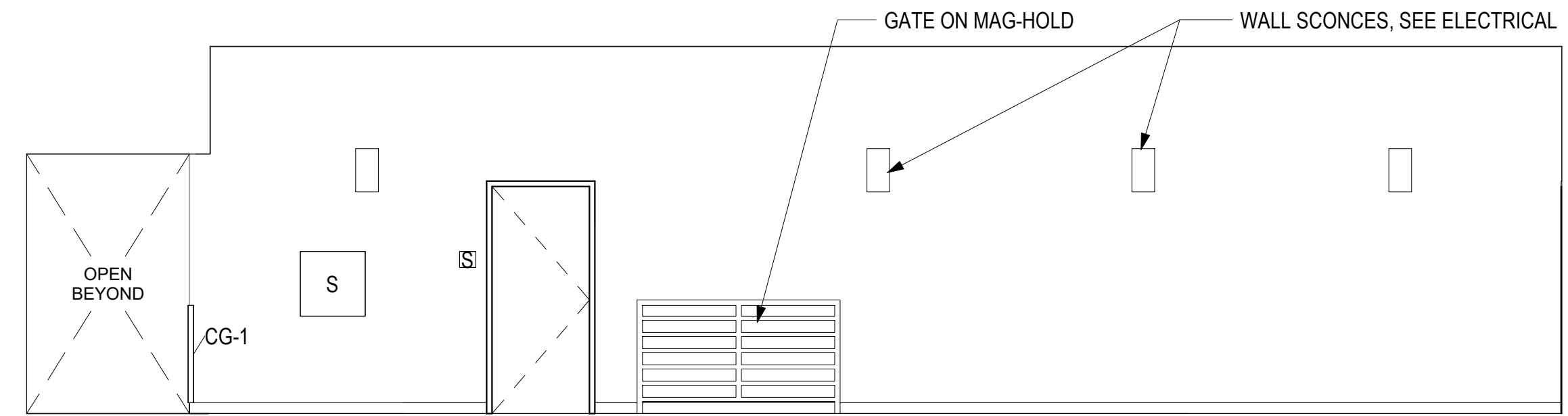
7 A702 A218 JURY ROOM - S
1/4" = 1'-0"



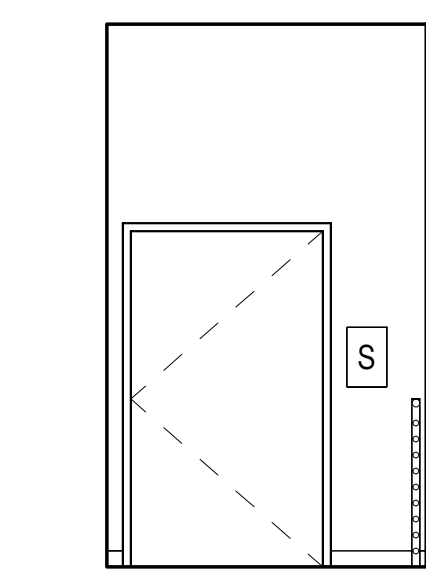
8 A702 A218 JURY ROOM - W
1/4" = 1'-0"



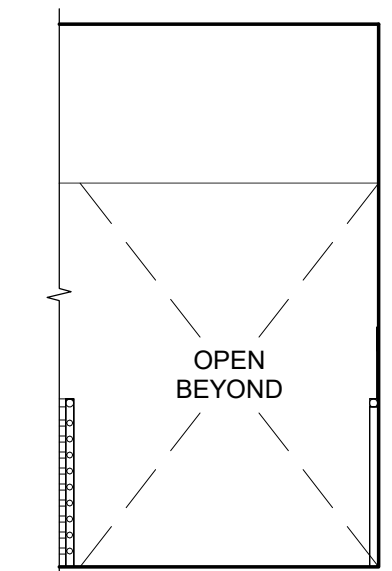
9 A702 225 ATTORNEY CONF - S
1/4" = 1'-0"



10 A702 230 MEZZANINE - N
1/4" = 1'-0"



11 A702 230 MEZZANINE - E
1/4" = 1'-0"



12 A702 230 MEZZANINE - W
1/4" = 1'-0"

BETTISWORTH NORTH



ALASKA COURT SYSTEM
KOTZEBUE COURTHOUSE CONSOLIDATION & SECURITY UPGRADES
KOTZEBUE, ALASKA

CORPORATE NO. AEC219 BETTISWORTH.COM

100% CONSTRUCTION DOCUMENTS

CONSULTANT:

PROJECT NO: 20-102
DATE: 2023-05-01
DRAWN BY: GB
CHECKED BY: DN

REVISION	DESCRIPTION	DATE

INTERIOR ELEVATIONS

A702