
# FOOD RESEARCH CENTER TI

## 860 IDAHO AVE, MOSCOW, ID 83844

### PROJECT TEAM

MEP Engineer
MW Engineers
601 W First Ave, Suite 1300
Spokane, WA 99201
509-838-9020

### PROJECT NARRATIVE

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APPROXIMATELY 1,934 SF REMODEL OF THE EXISTING NUTRITION ANALYTICS CORE LABORATORY LOCATED IN THE UNIVERSITY OF IDAHO FOOD RESEARCH CENTER. SCOPE OF WORK INCLUDES NEW FLOOR, CEILING, AND WALL FINISHES, AND MECHANICAL, PLUMBING, AND ELECTRICAL UPGRADES.

LIST OF ALTERNATES:

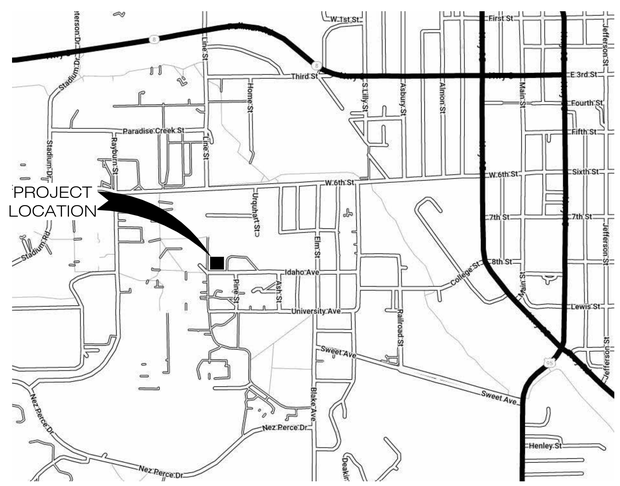
ALTERNATE NO. 1: ALL SCOPE OF WORK IN ROOMS 205, 205A, AND 205B TO BE ALTERNATE #1.

ALTERNATE NO. 2: FUME HOOD IN ROOM 207 TO BE ALTERNATE #2. DUCTING FOR FUME HOOD TO BE INCLUDED IN BASE BID.

ALTERNATE NO. 3: REMOVE (3) EXISTING WINDOWS FROM ROOM 207 AND (1) EXISTING WINDOW FROM ROOM 210B. REPLACE WITH NEW ALUMINUM STOREFRONT WINDOWS OF THE SAME SIZE AND CONFIGURATION.

ALTERNATE NO. 4: PROVIDE MANUALLY OPERATED WINDOW SHADES FOR EXISTING WINDOWS IN ROOMS 205 AND 205A (TOTAL QUANTITY OF 2).

### VICINITY MAP






ISSUE DATE: 12.20.2024

| REV | DATE | COMMENT |
|---|---|---|
| A | 1/31/2025 | Owner Revisions |

LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

TITLE: COVER SHEET
PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844
CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

G0-00

# CODE ANALYSIS - FOR REFERENCE ONLY

APPLICABLE BUILDING CODES:

| | |
|---|---|
| BUILDING CODE: | 2018 IBC, PRIOR CODE 2012 IBC (PER 2018 LIFE SAFETY RENOVATION DPW PROJECT NUMBER 17) |
| ELECTRICAL CODE: | 2017 NEC |
| MECHANICAL CODE: | 2018 IMC, PRIOR CODE 2012 IMC (PER 2018 LIFE SAFETY RENOVATION DPW PROJECT NUMBER 17-255) |
| PLUMBING CODE: | 2015 UPC, PRIOR CODE 2009 UPC (PER 2018 LIFE SAFETY RENOVATION DPW PROJECT NUMBER 17-255) |
| FIRE CODE: | 2018 IFC, PRIOR CODE 2012 IFC (PER 2018 LIFE SAFETY RENOVATION DPW PROJECT NUMBER 17-255) |
| ENERGY CODE: | 2018 IECC |
| ACCESSIBILITY CODE: | 2009 A-117.1 |
| 2018 IEBC ALTERATION LEVEL: | LEVEL 2 |

## PRIOR CODE - 2012 IBC

| | |
|---|---|
| OCCUPANCY GROUP(S): | GROUP B |
| AREA SEPARATION: | NONE REQUIRED |
| SPECIFIC REQUIREMENTS: | NONE |
| TYPE(S) OF CONSTRUCTION: | TYPE III B |
| SEISMIC CLASS: | CLASS D |
| AUTOMATIC SPRINKLER SYSTEM: | NO |
| FIRE ALARM: | YES |

FIRE RESISTANCE REQUIREMENTS PER IBC SECTION 601:

| | |
|---|---|
| STRUCTURAL FRAME | 0 HR |
| BEARING WALLS - EXTERIOR | 2 HR |
| BEARING WALLS - INTERIOR | 0 HR |
| NONBEARING WALLS - EXTERIOR | 0 HR |
| NONBEARING WALLS - INTERIOR | 0 HR |
| FLOOR CONSTRUCTION | 0 HR |
| ROOF CONSTRUCTION | 0 HR |

## CURRENT CODE - 2018 IBC

| | |
|---|---|
| OCCUPANCY GROUP(S): | GROUP B |
| AREA SEPARATION: | NONE REQUIRED |
| SPECIFIC REQUIREMENTS: | NONE |
| TYPE(S) OF CONSTRUCTION: | TYPE III B |
| SEISMIC CLASS: | CLASS D |
| AUTOMATIC SPRINKLER SYSTEM: | NO |
| FIRE ALARM: | YES |

FIRE RESISTANCE REQUIREMENTS PER IBC SECTION 601:

| | |
|---|---|
| STRUCTURAL FRAME | 0 HR |
| BEARING WALLS - EXTERIOR | 2 HR |
| BEARING WALLS - INTERIOR | 0 HR |
| NONBEARING WALLS - EXTERIOR | 0 HR |
| NONBEARING WALLS - INTERIOR | 0 HR |
| FLOOR CONSTRUCTION | 0 HR |
| ROOF CONSTRUCTION | 0 HR |

## PROJECT DESCRIPTION

THIS PROJECT MAKES NO CHANGES TO THE BUILDING OCCUPANCY TYPE, USE, OR CONSTRUCTION TYPE. THERE SHALL BE NO CHANGES TO ANY ELEMENTS AFFECTING LIFE SAFETY, EXITING/EGRESS, OR REQUIRED PLUMBING FIXTURES. EXTERIOR CHANGES INCLUDE REPLACING (5) EXISTING WINDOWS LIKE FOR LIKE.

THIS PROJECT INCLUDES AN INTERIOR REMODEL OF 2,130 GROSS SF, OR APPROXIMATELY 13.2% OF THE ROUGHLY 16,094 GROSS BUILDING. THE ARCHITECTURAL SCOPE OF WORK INCLUDES NEW INTERIOR FINISHES (CEILING TILE AND PAINT, WALL PAINT, AND FLOORING), NEW CASEWORK, REPLACEMENT OF (2) DOORS AND REMOVAL OF (1) DOOR. THE MPE SCOPE OF WORK INCLUDES A NEW ROOFTOP HVAC UNIT, NEW DUCTWORK, NEW LIGHT FIXTURES AND CONTROLS, AND REPLACEMENT OF EXISTING PLUMBING FIXTURES WITH NEW.

## INDEX OF DRAWINGS



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LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

TITLE: CODE ANALYSIS AND DRAWING INDEX

PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844

CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

G0-01

**DEMOLITION**

**PART 1 GENERAL**

**SECTION INCLUDES**

Building demolition excluding removal of hazardous materials and toxic substances.

Selective demolition of building elements for alteration purposes.

**REFERENCE STANDARDS**

29 CFR 1926 - Safety and Health Regulations for Construction; Current Edition.

**SUBMITTALS**

See Section 01 30 00 - Administrative Requirements, for submittal procedures.

Demolition Plan: Submit demolition plan as specified by OSHA and local authorities.

Indicate extent of demolition, removal sequence, bracing and shoring, and location and construction of barricades and fences.

Identify demolition firm and submit qualifications.

Project Record Documents: Accurately record actual locations of capped and active utilities and subsurface construction.

**PART 2 PRODUCTS -- NOT USED**

**PART 3 EXECUTION**

**SCOPE**

Remove items indicated, for salvage, relocation, and recycling.

**GENERAL PROCEDURES AND PROJECT CONDITIONS**

Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.

Obtain required permits.

Use physical barriers to prevent access to areas that could be hazardous to workers or the public.

Conduct operations to minimize effects on and interference with adjacent structures and occupants.

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.

Do not begin removal until receipt of notification to proceed from Owner.



Do not begin removal until built elements to be salvaged or relocated have been removed.

Protect existing structures and other elements that are not to be removed.

Hazardous Materials: Comply with 29 CFR 1926 and state and local regulations.

Perform demolition in a manner that maximizes salvage and recycling of materials.

Comply with requirements of Section 01 74 19 - Waste Management.

Dismantle existing construction and separate materials.

Set aside reusable, recyclable, and salvageable materials; store and deliver to collection point or point of reuse.

**EXISTING UTILITIES**

Protect existing utilities to remain from damage.

Do not close, shut off, or disrupt existing life safety systems that are in use without at least 7 days prior written notification to Owner.

Do not close, shut off, or disrupt existing utility branches or take-offs that are in use without at least 3 days prior written notification to Owner.

**SELECTIVE DEMOLITION FOR ALTERATIONS**

Drawings showing existing construction and utilities are based on casual field observation and existing record documents only.

Verify that construction and utility arrangements are as indicated.

Report discrepancies to Architect before disturbing existing installation.

Beginning of demolition work constitutes acceptance of existing conditions that would be apparent upon examination prior to starting demolition.

Separate areas in which demolition is being conducted from other areas that are still occupied.

Remove existing work as indicated and as required to accomplish new work.

Remove items indicated on drawings.

Services (Including but not limited to HVAC, Plumbing, Fire Protection, Electrical, and Telecommunications): Remove existing systems and equipment as indicated.

Maintain existing active systems that are to remain in operation; maintain access to equipment and operational components.

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.



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.

Protect existing work to remain.

Prevent movement of structure; provide shoring and bracing if necessary.

Perform cutting to accomplish removals neatly and as specified for cutting new work.

Repair adjacent construction and finishes damaged during removal work.

Patch as specified for patching new work.

**DEBRIS AND WASTE REMOVAL**

Remove debris, junk, and trash from site.

Remove from site all materials not to be reused on site; comply with requirements of Section 01 74 19 - Waste Management.

Leave site in clean condition, ready for subsequent work.

Clean up spillage and wind-blown debris from public and private lands.

**END OF SECTION**



**COLD-FORMED METAL FRAMING**

**PART 1 GENERAL**

**SECTION INCLUDES**

Formed steel stud interior wall framing.

**ADMINISTRATIVE REQUIREMENTS**

Coordinate with work of other sections that is to be installed in or adjacent to the metal framing system, including but not limited to structural anchors, cladding anchors, utilities, insulation, and firestopping.

**SUBMITTALS**

See Section 01 30 00 - Administrative Requirements for submittal procedures.

Product Data: Provide data on standard framing members; describe materials and finish, product criteria, limitations.

Product Data: Provide manufacturer's data on factory-made framing connectors, showing compliance with requirements.

**PART 2 PRODUCTS**

**MANUFACTURERS**

Metal Framing:

CEMCO: www.cemcosteel.com.

ClarkDietrich: www.clarkdietrich.com.

Marino: www.marinoware.com.

SCAFCO Corporation: www.scafco.com.

The Steel Network, Inc: www.SteelNetwork.com.

Framing Connectors and Accessories:

Same manufacturer as metal framing.

Simpson Strong Tie: www.strongtie.com.

**FRAMING SYSTEM**

Provide primary and secondary framing members, bridging, bracing, plates, gussets, clips, fittings, reinforcement, and fastenings as required to provide a complete framing system.

Design Requirements: Provide completed framing system having the following characteristics:



Design: Calculate structural characteristics of cold-formed steel framing members according to AISI S100.

Structural Performance: Design, engineer, fabricate, and erect to withstand specified design loads for project conditions within required limits.

Design Loads: In accordance with applicable codes. As indicated on structural drawings.

Live Load Defelection: In accordance with applicable codes. As indicated on structural drawings unless noted otherwise.:

Able to tolerate movement of components without damage, failure of joint seals, undue stress on fasteners, or other detrimental effects when subject to seasonal or cyclic day/night temperature ranges.

Able to accommodate construction tolerances, deflection of building structural members, and clearances of intended openings.

**FRAMING MATERIALS**

Studs and Track: ASTM C955; studs formed to channel, C- or Sigma-shaped with punched web; U-shaped track in matching nominal width and compatible height.

Framing Connectors: Factory-made, formed steel sheet.

Material: ASTM A653/A653M SS Grade 33 and 40 (minimum), with G90/Z275 hot dipped galvanized coating for base metal thickness less than 10 gauge, 0.1345 inch (3.42 mm), and factory punched holes and slots.

Structural Performance: Maintain load and movement capacity required by applicable code, when evaluated in accordance with AISI S100.

Fixed Connections: Provide non-movement connections for tie-down to foundation, floor-to-floor tie-down, roof-to-wall tie-down, joist hangers, gusset plates, and stiffeners.

**ACCESSORIES**

Bracing, Furring, Bridging: Formed sheet steel, thickness determined for conditions encountered; finish to match framing components.

Shop and Touch-Up Primer: SSPC-Paint 15, complying with VOC limitations of authorities having jurisdiction.

**PART 3 EXECUTION**

**EXAMINATION**

Verify that substrate surfaces are ready to receive work.

Verify field measurements and adjust installation as required.



**INSTALLATION OF STUDS**

Install components in accordance with manufacturers' instructions and ASTM C1007 requirements.

Align floor and ceiling tracks; locate to wall layout. Secure in place with fasteners at maximum 24 inches (600 mm) on center. Coordinate installation of sealant with floor and ceiling tracks.

Place studs at 12 inches (300 mm) on center; not more than 2 inches (50 mm) from abutting walls and at each side of openings. Connect studs to tracks using clip and tie method.

Construct corners using minimum of three studs. Install double studs at wall openings, door and window jambs.

Install load-bearing studs, brace, and reinforce to develop full strength and achieve design requirements.

Coordinate placement of insulation in multiple stud spaces made inaccessible after erection.

Attach cross studs to studs for attachment of fixtures anchored to walls.

Install framing between studs for attachment of mechanical and electrical items, and to prevent stud rotation.

**END OF SECTION**



**ARCHITECTURAL WOOD CASEWORK**

**PART 1 GENERAL**

**SECTION INCLUDES**

Specially fabricated cabinet units.

Countertops.

Hardware.

**SUBMITTALS**

See Section 01 30 00 - Administrative Requirements for submittal procedures.

Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.

On casework and countertop elevations show the location of backing required for attachment within walls.

Provide the information required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).

Product Data: Provide data for hardware accessories.

Samples: Submit actual samples of architectural cabinet construction, minimum 12 inches (300 mm) square, illustrating proposed cabinet, countertop, and shelf unit substrate and finish.

**QUALITY ASSURANCE**

Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.

**DELIVERY, STORAGE, AND HANDLING**

Protect units from moisture damage.

**FIELD CONDITIONS**

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

**PART 2 PRODUCTS**

**CABINETS**

Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.

Cabinets:

Finish - Exposed Exterior Surfaces: As indicated on drawings.



Finish - Exposed Interior Surfaces: Manufacturer's standard interior cabinet liner, color: white.

Casework Construction Type: Type A - Frameless.

Interface Style for Cabinet and Door: Style 1 - Overlay; flush overlay.

Adjustable Shelf Loading: 50 psf (24.4 gm/sq cm).

**WOOD-BASED COMPONENTS**

Wood fabricated from old growth timber is not permitted.

Lumber: In accordance with the Architectural Woodwork Standards Grade specified for the product being fabricated.

Moisture Content: 6% to 12% for boards up to 2" nominal thickness, and not to exceed 19% for thicker pieces.

Core: MDF meeting the requirements of Architectural Woodwork Standards.

**LAMINATE MATERIALS**

Manufacturers:

Formica Corporation: www.formica.com.

Panolam Industries International, Inc; Nevamar Standard HPL: www.panolam.com.

Wilsonart: www.wilsonart.com.

High Pressure Decorative Laminate (HPDL): NEMA LD 3, types as recommended for specific applications.

Provide specific types as indicated.

Horizontal Surfaces: HGS, 0.048 inch (1.22 mm) nominal thickness, through color, colors as scheduled, satin finish.

Vertical Surfaces: VGS, 0.028 inch (0.71 mm) nominal thickness, through color, colors as scheduled, satin finish.

**COUNTERTOPS**

Countertops: See Section 12 36 00.

**ACCESSORIES**

Adhesive: Type recommended by AWI/AWMAC to suit application.

Plastic Edge Banding: Extruded PVC, convex shaped; smooth finish; self locking serrated tongue; of width to match component thickness.

Color: As selected by Architect from manufacturer's standard range.



Use at all exposed shelf edges.

Use at door and drawer edges.

Fasteners: Size and type to suit application.

Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; galvanized or chrome-plated finish in concealed locations and stainless steel or chrome-plated finish in exposed locations.

Concealed Joint Fasteners: Threaded steel.

Grommets: Standard plastic grommets for cut-outs, in color to match adjacent surface.

**HARDWARE**

Hardware: BHMA A156.9, types as recommended by fabricator for quality grade specified.

Adjustable Shelf Supports: Standard side-mounted system using recessed metal shelf standards or multiple holes for pin supports and coordinated self rests, polished chrome finish, for nominal 1 inch (25 mm) spacing adjustments.

Countertop Brackets: Fixed, concealed vertical leg, side-of-stud mounting.

Materials: Steel L- and T-shapes.

Drawer and Door Pulls: "U" shaped wire pull, aluminum with satin finish, 4 inch centers ("U" shaped wire pull, aluminum with satin finish, 100 mm centers).

Cabinet Locks: Keyed cylinder, two keys per lock, master keyed, steel with chrome finish.

Cabinet Catches and Latches:

Type: Magnetic catch.

Drawer Slides:

Type: Full extension with overtravel.

Static Load Capacity: Heavy Duty grade.

Mounting: Side mounted.

Features: Provide self closing/stay closed type.

Hinges: European style concealed self-closing type, steel with polished finish.

**FABRICATION**

General:

All materials and methods of construction are to meet the requirements of Architectural Woodwork Standards for the grade or grades specified.



Where locking drawers are indicated, provide dust panels above and below drawer.

Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.

Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.

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.

Provide cutouts for plumbing fixtures. Verify locations of cutouts from on-site dimensions. Prime paint cut edges.

**PART 3 EXECUTION**

**EXAMINATION**

Verify adequacy of backing and support framing.

Verify location and sizes of utility rough-in associated with work of this section.

**INSTALLATION**

Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.

Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.

Use fixture attachments in concealed locations for wall mounted components.

Use concealed joint fasteners to align and secure adjoining cabinet units.

Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch (0.79 mm). Do not use additional overlay trim for this purpose.

Secure cabinets to floor using appropriate angles and anchorages.

Countersink anchorage devices at exposed locations. Conceal with solid wood plugs of species to match surrounding wood; finish flush with surrounding surfaces.

**ADJUSTING**

Test installed work for rigidity and ability to support loads.

Adjust moving or operating parts to function smoothly and correctly.

**CLEANING**

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

**END OF SECTION**



**FLUSH WOOD DOORS**

**PART 1 GENERAL**

**SECTION INCLUDES**

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

**SUBMITTALS**

Product Data: Indicate door core materials and construction; veneer species, type and characteristics.

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.

Provide information as required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).

Samples: Submit two samples of door veneer, 2 by 3 inches (50 by 76 mm) in size illustrating wood grain, stain color, and sheen.

Manufacturer's Installation Instructions: Indicate special installation instructions.

Warranty, executed in Owner's name.

**DELIVERY, STORAGE, AND HANDLING**

Package, deliver and store doors in accordance with specified quality standard.

Accept doors on site in manufacturer's packaging, and inspect for damage.

Protect doors with resilient packaging. Do not store in damp or wet areas; or in areas where sunlight might bleach veneer. Seal top and bottom edges if stored more than one week. Break seal on site to permit ventilation.

**WARRANTY**

See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

Interior Doors: Provide manufacturer's warranty for the life of the installation.

Include coverage for delamination of veneer, warping beyond specified installation tolerances, defective materials, and telegraphing core construction.

**PART 2 PRODUCTS**

**MANUFACTURERS**

Wood Veneer Faced Doors:

Algoma Hardwoods, Inc.: www.algomahardwoods.com.

Masonite Architectural; Aspiro Select Wood Veneer Doors: www.architectural.masonite.com.



Mohawk Flush Doors, Inc.: www.mohawksdoors.com.

Or Equal.

**DOORS**

Doors:

Quality Standard: Custom Grade, Heavy Duty performance, in accordance with AWMAC/WI (NAAWS), unless noted otherwise.

Interior Doors: 1-3/4 inches (44 mm) thick unless otherwise indicated; flush construction.

Provide solid core doors at each location.

**DOOR AND PANEL CORES**

Non-Rated Solid Core and 20 Minute Rated Doors: Type particleboard core (PC), plies and faces as indicated.

**DOOR FACINGS**

Veneer Facing for Transparent Finish: Match existing, veneer grade in accordance with quality standard indicated, plain sliced (flat cut), with book match between leaves of veneer, running match of spliced veneer leaves assembled on door or panel face.

**DOOR CONSTRUCTION**

Fabricate doors in accordance with door quality standard specified.

Glazed Openings: Non-removable stops on non-secure side; sizes and configurations as indicated on drawings.

Factory machine doors for hardware other than surface-mounted hardware, in accordance with hardware requirements and dimensions.

Factory fit doors for frame opening dimensions identified on shop drawings, with edge clearances in accordance with specified quality standard.

Provide edge clearances in accordance with the quality standard specified.

**ACCESSORIES**

Glazed Openings:

Heat-Strengthened and Fully Tempered Glass: ASTM C1048.

Door Hardware: See Section 08 71 00.

**PART 3 EXECUTION**

**EXAMINATION**

Verify existing conditions before starting work.



Verify that opening sizes and tolerances are acceptable.

Do not install doors in frame openings that are not plumb or are out-of-tolerance for size or alignment.

**INSTALLATION**

Install doors in accordance with manufacturer's instructions and specified quality standard.

Factory-Finished Doors: Do not field cut or trim; if fit or clearance is not correct, replace door.

Use machine tools to cut or drill for hardware.

Coordinate installation of doors with installation of frames and hardware.

**TOLERANCES**

Comply with specified quality standard for fit and clearance tolerances.

Comply with specified quality standard for telegraphing, warp, and squareness.

**ADJUSTING**

Adjust doors for smooth and balanced door movement.

Adjust closers for full closure.

**END OF SECTION**





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LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

SHEET SPECIFICATIONS
TITLE

FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844
PROJECT

UNIVERSITY OF IDAHO
CLIENT

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

G0-02

**COMMON WORK RESULTS FOR FLOORING PREPARATION**

**PART 1 GENERAL**

**SECTION INCLUDES**

This section applies to floors identified in Contract Documents that are receiving the following types of floor coverings:

Resilient tile and sheet.

Carpet tile.

Removal of existing floor coverings.

Preparation of existing concrete floor slabs for installation of floor coverings.

Testing of concrete floor slabs for moisture and alkalinity (pH).

Testing of existing concrete floor slabs for moisture and alkalinity (pH) has already been conducted; test report is attached.

Remediation of concrete floor slabs due to unsatisfactory moisture or alkalinity (pH) conditions.

Contractor shall perform all specified remediation of concrete floor slabs. If such remediation is indicated by testing agency's report and is due to a condition not under Contractor's control or could not have been predicted by examination prior to entering into the contract, a contract modification will be issued.

Patching compound.

Remedial floor coatings.

Remedial floor sheet membrane.

**ADMINISTRATIVE REQUIREMENTS**

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

**SUBMITTALS**

Visual Observation Report: For existing floor coverings to be removed.

Floor Covering and Adhesive Manufacturers' Product Literature: For each specific combination of substrate, floor covering, and adhesive to be used; showing:

Moisture and alkalinity (pH) limits and test methods.

Manufacturer's required bond/compatibility test procedure.

Testing Agency's Report:

Description of areas tested; include floor plans and photographs if helpful.



Summary of conditions encountered.

Copies of specified test methods.

Recommendations for remediation of unsatisfactory surfaces.

Include certification of accuracy by authorized official of testing agency.

Submit report to Architect.

Submit report not more than two business days after conclusion of testing.

Adhesive Bond and Compatibility Test Report.

Copy of RFCI (RWP).

**QUALITY ASSURANCE**

Moisture and alkalinity (pH) testing shall be performed by an independent testing agency employed and paid by Contractor.

Contractor may perform adhesive and bond test with Contractor's own personnel or hire a testing agency.

Contractor's Responsibility Relating to Independent Agency Testing:

Provide access for and cooperate with testing agency.

Confirm date of start of testing at least 10 days prior to actual start.

Allow at least 4 business days on site for testing agency activities.

Achieve and maintain specified ambient conditions.

Notify Architect when specified ambient conditions have been achieved and when testing will start.

**FIELD CONDITIONS**

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 (18 degrees C) or more than 85 degrees F (30 degrees C).

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**

**MATERIALS**

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:



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.

Compressive Strength: 3000 psi, minimum, after 28 days, when tested in accordance with ASTM C109/C109M or ASTM C472, whichever is appropriate.

Products:

H.B. Fuller Construction Products, Inc; TEC Feather Edge Skim Coat: www.tecspecialty.com.

USG Corporation; Durock Brand Advanced Skim Coat Floor Patch: www.usg.com.

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.

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.

Thickness: As required for application and in accordance with manufacturer's installation instructions.

Products:

LATICRETE International, Inc; LATICRETE NXT Vapor Reduction Coating with LATICRETE NXT Level Plus: www.laticrete.com.

LATICRETE International, Inc; LATICRETE SUPERCAP Moisture Vapor Control with LATICRETE SUPERCAP Underlayment: www.laticrete.com.

Remedial Floor Sheet Membrane: Pre-formed multi-ply sheet membrane installed over concrete subfloor and 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.

Thickness: 28 mil (0.028 inch) (0.711 mm).

Tape: Types recommended by underlayment manufacturer to install membrane and cover seams.

Products:

GCP Applied Technologies; Kovara MBX: www.gcpat.com/#sle.

**PART 3 EXECUTION**

**CONCRETE SLAB PREPARATION**

Perform following operations in the order indicated:



Existing concrete slabs (on-grade and elevated) with existing floor coverings:

Visual observation of existing floor covering, for adhesion, water damage, alkaline deposits, and other defects.

Removal of existing floor covering.

Existing concrete slabs with coatings or penetrating sealers/hardeners/dustproofers:

Preliminary cleaning.

Moisture vapor emission tests; 3 tests in the first 1000 square feet (100 square meters) and one test in each additional 1000 square feet (100 square meters), unless otherwise indicated or required by flooring manufacturer.

Internal relative humidity tests; in same locations as moisture vapor emission tests, unless otherwise indicated.

Alkalinity (pH) tests; in same locations as moisture vapor emission tests, unless otherwise indicated.

Specified remediation, if required.

Patching, smoothing, and leveling, as required.

Other preparation specified.

Adhesive bond and compatibility test.

Protection.

Remediations:

Active Water Leaks or Continuing Moisture Migration to Surface of Slab: Correct this condition before doing any other remediation; re-test after correction.

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.

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.

**REMOVAL OF EXISTING FLOOR COVERINGS**

Comply with local, State, and federal regulations and recommendations of RFCI Recommended Work Practices for Removal of Resilient Floor Coverings, as applicable to floor covering being removed.



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

**PRELIMINARY CLEANING**

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.

Do not use solvents or other chemicals for cleaning.

**PREPARATION**

See individual floor covering section(s) for additional requirements.

Comply with requirements and recommendations of floor covering manufacturer.

Fill and smooth surface cracks, grooves, depressions, control joints and other non-moving joints, and other irregularities with patching compound.

Do not fill expansion joints, isolation joints, or other moving joints.

**ADHESIVE BOND AND COMPATIBILITY TESTING**

Comply with requirements and recommendations of floor covering manufacturer.

**APPLICATION OF REMEDIAL FLOOR COATING**

Comply with requirements and recommendations of coating manufacturer.

**INSTALLATION OF REMEDIAL FLOOR Sheet Membrane**

Install in accordance with sheet membrane manufacturer's instructions.

**PROTECTION**

Cover prepared floors with building paper or other durable covering.

**END OF SECTION**



**ACOUSTICAL CEILINGS**

**PART 1 GENERAL**

**SECTION INCLUDES**

Acoustical units.

**ADMINISTRATIVE REQUIREMENTS**

Sequence work to ensure acoustical ceilings are not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved.

Do not install acoustical units until after interior wet work is dry.

**SUBMITTALS**

See Section 01 30 00 - Administrative Requirements for submittal procedures.

Product Data: Provide data on acoustical units.

Samples: Submit two samples 4x4 inch (102x102 mm) in size illustrating material and finish of acoustical units.

Maintenance Materials: Furnish the following for Owner's use in maintenance of project.

See Section 01 60 00 - Product Requirements, for additional provisions.

Extra Acoustical Units: Quantity equal to 5 percent of total installed.

**FIELD CONDITIONS**

Maintain uniform temperature of minimum 60 degrees F (16 degrees C), and maximum humidity of 40 percent prior to, during, and after acoustical unit installation.

**PART 2 PRODUCTS**

**MANUFACTURERS**

Acoustic Tiles/Panels:

Armstrong World Industries, Inc: www.armstrongceilings.com.

CertainTeed Corporation: www.certainteed.com.

USG Corporation: www.usg.com/ceilings.

Or Equal.

**ACOUSTICAL UNITS**

Recycled Content: Minimum 10 percent post-consumer recycled content, or minimum [40] percent pre-consumer recycled content.



Acoustical Tiles: Painted mineral fiber, with the following characteristics:

Classification: ASTM E1264 Class A.

Size: 24 by 48 inch (610 by 1219 mm).

Thickness: 3/4 inch (19 mm).

Light Reflectance: 79 percent, determined in accordance with ASTM E1477.

NRC: 0.55, determined in accordance with ASTM C423.

Ceiling Attenuation Class (CAC): 35, determined in accordance with ASTM C 1414.

Tile Edge: Square.

Joint: Kerfed and rabbeted.

Color: White.

Suspension System: Existing grid to be reused.

**PART 3 EXECUTION**

**EXAMINATION**

Verify existing conditions before starting work.

Verify that layout of hangers will not interfere with other work.

**INSTALLATION - ACOUSTICAL UNITS**

Install acoustical units in accordance with manufacturer's instructions.

Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.

Fit border trim neatly against abutting surfaces.

Install acoustical units level, in uniform plane, and free from twist, warp, and dents.

Cutting Acoustical Units:

Cut to fit irregular grid and perimeter edge trim.

Make field cut edges of same profile as factory edges.

Double cut and field paint exposed reveal edges.

Where round obstructions, other radius surfaces, bullnose concrete block corners, other radius surfaces, and other radius surfaces occur, provide preformed closures to match perimeter molding.

**END OF SECTION**



**RESILIENT FLOORING**

**PART 1 GENERAL**

**SECTION INCLUDES**

Resilient sheet flooring.

Resilient base.

Installation accessories.

**SUBMITTALS**

See Section 01 30 00 - Administrative Requirements for submittal procedures.

Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.

Verification Samples: Submit two samples, illustrating color and pattern for each resilient flooring product specified.

Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.

Maintenance Materials: Furnish the following for Owner's use in maintenance of project.

See Section 01 60 00 - Product Requirements, for additional provisions.

Extra Flooring Material: 10 square feet (3.05 square meters) of each type and color.

Extra Wall Base: 30 linear feet (9.14 linear meters) of each type and color.

**DELIVERY, STORAGE, AND HANDLING**

Store all materials off of the floor in an acclimatized, weather-tight space.

Protect roll materials from damage by storing on end.

**FIELD CONDITIONS**

Store materials for not less than 48 hours prior to installation in area of installation at a temperature of 70 degrees F (21 degrees C) to achieve temperature stability. Thereafter, maintain conditions above 55 degrees F (13 degrees C).

**PART 2 PRODUCTS**

**SHEET FLOORING**

Vinyl Sheet Flooring: Homogeneous without backing, with color and pattern throughout full thickness.

Manufacturers:



Tarkett: www.commercial.tarkett.com.

Mohawk Group: www.mohawkgroup.com.

Minimum Requirements: Comply with ASTM F1913.

Critical Radiant Flux (CRF): Minimum 0.45 watt per square centimeter, when tested in accordance with ASTM E 648, NFPA 253, ASTM E 648, or NFPA 253.

Thickness: 0.080 inch (2.0 mm) nominal.

Average Weight: 5.3 lbs/sq. yd. (2.8 Kg/sq. m.).

Sheet Width: 78 inch (1981 mm) minimum.

Static Load Resistance: 250 psi (1725 kPa) minimum, when tested as specified in ASTM F970.

Seams: Heat welded.

Integral coved base with cap strip.

Color: As indicated on drawings.

Welding Rod: Solid bead in material compatible with flooring, produced by flooring manufacturer for heat welding seams, and in color matching field color.

**RESILIENT BASE**

Resilient Base: ASTM F1861, Type TS rubber vulcanized thermoset; top set style based on flooring type as recommended by manufacturer.

Manufacturers:

Johnsonite, a Tarkett Company: www.johnsonite.com

Mannington Commercial: www.manningtoncommercial.com

Roppe Corporation; Contours Profiled Wall Base System: www.roppe.com.

Or Equal.

Height: 4 inch (100 mm) and 4.625 inch (117.5 mm).

Thickness: 0.125 inch (3.2 mm) and 0.375 inch (9.5 mm).

Finish: Satin.

Length: Roll.

Color: As indicated on drawings.

Accessories: Premolded external corners and internal corners.



**ACCESSORIES**

Subfloor Filler: White premix latex; type recommended by adhesive material manufacturer.

Primers, Adhesives, and Seam Sealer: Waterproof; types recommended by flooring manufacturer.

Moldings, Transition and Edge Strips: Same material as flooring.

Filler for Coved Base: Plastic.

**PART 3 EXECUTION**

**EXAMINATION**

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.

Cementitious Subfloor Surfaces: Verify that substrates are ready for resilient flooring installation by testing for moisture and alkalinity (pH).

Obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.

**PREPARATION**

Remove existing resilient flooring and flooring adhesives; follow the recommendations of RFCI (RWP).

Prepare floor substrates as recommended by flooring and adhesive manufacturers.

Remove subfloor ridges and bumps. Fill minor low spots, cracks, joints, holes, and other defects with subfloor filler to achieve smooth, flat, hard surface.

Prohibit traffic until filler is fully cured.

**Installation - General**

Starting installation constitutes acceptance of subfloor conditions.

Install in accordance with manufacturer's written instructions.

**Installation - Sheet Flooring**

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.

Avoid seams where available sheet widths preclude "piecing" in toilet rooms, custodial closets, and other small spaces.

Cut sheet at seams in accordance with manufacturer's instructions.

Coved Base: Install as detailed on drawings, 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.

**Installation - Resilient Base**

Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches (45 mm) between joints.

Miter internal corners. At external corners, use premolded units. At exposed ends, use premolded units.

Install base on solid backing. Bond tightly to wall and floor surfaces.

Scribe and fit to door frames and other interruptions.

**CLEANING**

Remove excess adhesive from floor, base, and wall surfaces without damage.

Clean in accordance with manufacturer's written instructions.

**PROTECTION**

Prohibit traffic on resilient flooring for 48 hours after installation.

**END OF SECTION**



**TILE CARPETING**

**PART 1 GENERAL**

**SECTION INCLUDES**

Carpet tile, fully adhered.

**SUBMITTALS**

Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns, colors available, and method of installation.

Recycled Content:

Indicate recycled content; indicate percentage of pre-consumer and post-consumer recycled content per unit of product.

If recycled content product is part of an assembly, indicate the percentage of recycled content product in the assembly by weight.

Salvaged/Refurbished: Indicate percentage of salvaged/refurbished content per unit of product.

VOC data:

Adhesives:

Submit manufacturer's product data for adhesives. Indicate VOC limits of the product. Submit MSDS highlighting VOC limits.

Samples: Submit two carpet tiles illustrating color and pattern design for each carpet color selected.

Operation and Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning.

Maintenance Materials: Furnish the following for Owner's use in maintenance of project.

See Section 01 60 00 - Product Requirements, for additional provisions.

Extra Carpet Tiles: Quantity equal to 5 percent of total installed of each color and pattern installed.

**WEAR WARRANTY**

Ten-Year Commercial Warranty against excessive wear, delamination, edge ravel, zippering, resiliency loss, and static.

**FIELD CONDITIONS**

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



**PART 2 PRODUCTS**

**MANUFACTURERS**

Tile Carpeting:

Tarkett: www.commercial.tarkett.com.

Mohawk Group: www.mohawkgroup.com.

Shaw: www.shaw.com.

Or Equal.

**MATERIALS**

Tile Carpeting: Patterned Loop, manufactured in one color dye lot.

Tile Size: 18 x 36 inch, nominal.

Critical Radiant Flux: Minimum of 0.45 watts/sq cm, when tested in accordance with ASTM E648 or NFPA 253.

Surface Flammability Ignition: Pass ASTM D2859 (the "pill test").

Maximum Electrostatic Charge: 3 Kv. at 20 percent relative humidity.

Gage: 5/64 inch.

Stitches: 9.8 per inch.

Pile Weight: 14 oz/sq yd (474.6 gm/sq m).

Primary Backing Material: 100% synthetic.

**ACCESSORIES**

Subfloor Filler: White premix latex; type recommended by flooring material manufacturer.

Edge Strips: Embossed aluminum, color as selected by Architect.

Adhesives:

Compatible with materials being adhered; maximum VOC content of 50 g/L; CRI (GLP) certified; in lieu of labeled product, independent test report showing compliance is acceptable.

Carpet Tile Adhesive: Recommended by carpet tile manufacturer; releasable type.



**PART 3 EXECUTION**

**EXAMINATION**

Verify that subfloor surfaces are smooth and flat within tolerances specified for that type of work and are ready to receive carpet tile.

Verify that subfloor surfaces are dust-free and free of substances that could impair bonding of adhesive materials to subfloor surfaces.

Cementitious Subfloor Surfaces: Verify that substrates are ready for flooring installation by testing for moisture and alkalinity (pH).

Obtain instructions if test results are not within limits recommended by flooring material manufacturer and adhesive materials manufacturer.

**PREPARATION**

Prepare floor substrates as recommended by flooring and adhesive manufacturers.

Remove subfloor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with subfloor filler.

Apply, trowel, and float filler to achieve smooth, flat, hard surface. Prohibit traffic until filler is cured.

Vacuum clean substrate.

**INSTALLATION**

Starting installation constitutes acceptance of subfloor conditions.

Install carpet tile in accordance with manufacturer's instructions.

Blend carpet from different cartons to ensure minimal variation in color match.

Cut carpet tile clean. Fit carpet tight to intersection with vertical surfaces without gaps.

Lay carpet tile in ashlar pattern, with pile direction parallel to next unit, set parallel to building lines.

Fully adhere carpet tile to substrate.

Trim carpet tile neatly at walls and around interruptions.

Complete installation of edge strips, concealing exposed edges.

**INDOOR AIR QUALITY**

Temporary ventilation: Provide temporary ventilation as specified in Section 01 57 21 - Indoor Air Quality Controls, and as follows:

Ventilate products prior to installation. Remove from packaging and ventilate in a secure, dry, well-ventilated space free from strong contaminant sources and residues. Provide a temperature range of 60 degrees F minimum to 90 degree F maximum continuously for minimum 72 hours.



**ACCESSORIES**

Subfloor Filler: White premix latex; type recommended by adhesive material manufacturer.

Primers, Adhesives, and Seam Sealer: Waterproof; types recommended by flooring manufacturer.

Moldings, Transition and Edge Strips: Same material as flooring.

Filler for Coved Base: Plastic.

**PART 3 EXECUTION**

**EXAMINATION**

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.

Cementitious Subfloor Surfaces: Verify that substrates are ready for resilient flooring installation by testing for moisture and alkalinity (pH).

Obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.

**PREPARATION**

Remove existing resilient flooring and flooring adhesives; follow the recommendations of RFCI (RWP).

Prepare floor substrates as recommended by flooring and adhesive manufacturers.

Remove subfloor ridges and bumps. Fill minor low spots, cracks, joints, holes, and other defects with subfloor filler to achieve smooth, flat, hard surface.

Prohibit traffic until filler is fully cured.

**Installation - General**

Starting installation constitutes acceptance of subfloor conditions.

Install in accordance with manufacturer's written instructions.

**Installation - Sheet Flooring**

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.

Avoid seams where available sheet widths preclude "piecing" in toilet rooms, custodial closets, and other small spaces.

Cut sheet at seams in accordance with manufacturer's instructions.

Coved Base: Install as detailed on drawings, 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



**PART 3 EXECUTION**

**EXAMINATION**

Verify that subfloor surfaces are smooth and flat within tolerances specified for that type of work and are ready to receive carpet tile.

Verify that subfloor surfaces are dust-free and free of substances that could impair bonding of adhesive materials to subfloor surfaces.

Cementitious Subfloor Surfaces: Verify that substrates are ready for flooring installation by testing for moisture and alkalinity (pH).

Obtain instructions if test results are not within limits recommended by flooring material manufacturer and adhesive materials manufacturer.

**PREPARATION**

Prepare floor substrates as recommended by flooring and adhesive manufacturers.

Remove subfloor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with subfloor filler.

Apply, trowel, and float filler to achieve smooth, flat, hard surface. Prohibit traffic until filler is cured.

Vacuum clean substrate.

**INSTALLATION**

Starting installation constitutes acceptance of subfloor conditions.

Install carpet tile in accordance with manufacturer's instructions.

Blend carpet from different cartons to ensure minimal variation in color match.

Cut carpet tile clean. Fit carpet tight to intersection with vertical surfaces without gaps.

Lay carpet tile in ashlar pattern, with pile direction parallel to next unit, set parallel to building lines.

Fully adhere carpet tile to substrate.

Trim carpet tile neatly at walls and around interruptions.

Complete installation of edge strips, concealing exposed edges.

**INDOOR AIR QUALITY**

Temporary ventilation: Provide temporary ventilation as specified in Section 01 57 21 - Indoor Air Quality Controls, and as follows:

Ventilate products prior to installation. Remove from packaging and ventilate in a secure, dry, well-ventilated space free from strong contaminant sources and residues. Provide a temperature range of 60 degrees F minimum to 90 degree F maximum continuously for minimum 72 hours.

Immediately after installation, clean carpet thoroughly with a high-efficiency particulate air (HEPA) filtration vacuum or certified CRI Green Label vacuum cleaner.

**WASTE MANAGMENT**

As specified in Section 01 7419 - Construction Waste Management and Disposal.

Coordinate with manufacturer for take-back program. Set aside scrap to be returned to manufacturer for recycling into new product.

**CLEANING**

Remove excess adhesive without damage, from floor, base, and wall surfaces.

Clean and vacuum carpet surfaces.

**END OF SECTION**



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ISSUE DATE: 12.20.2024

| REV | DATE | COMMENT |
|---|---|---|

LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

SHEET SPECIFICATIONS
TITLE

FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844
PROJECT

UNIVERSITY OF IDAHO
CLIENT

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

G0-03

**INTERIOR PAINTING**

**PART 1 GENERAL**

**SECTION INCLUDES**

Surface preparation.

Field application of paints.

Scope: Finish interior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated.

Mechanical and Electrical:

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.

In finished areas, paint shop-primed items.

Do Not Paint or Finish the Following Items:

Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.

Items indicated to receive other finishes.

Items indicated to remain unfinished.

Fire rating labels, equipment serial number and capacity labels, bar code labels, and operating parts of equipment.

Floors, unless specifically indicated.

Ceramic and other tiles.

Glass.

Concealed pipes, ducts, and conduits.

**SUBMITTALS**

Product Data: Provide complete list of products to be used, with the following information for each:

Manufacturer's name, product name and/or catalog number, and general product category (e.g., "alkyd enamel").

MPI product number (e.g., MPI #47).

Cross-reference to specified paint system(s) product is to be used in; include description of each system.



Samples: Submit three paper "draw down" samples, 8-1/2 by 11 inches (216 by 279 mm) in size, illustrating range of colors available for each finishing product specified.

Where sheen is specified, submit samples in only that sheen.

Where sheen is not specified, discuss sheen options with Architect before preparing samples, to eliminate sheens not required.

Certification: By manufacturer that paints and finishes comply with VOC limits specified.

Manufacturer's Instructions: Indicate special surface preparation procedures.

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.

Maintenance Materials: Furnish the following for Owner's use in maintenance of project.

See Section 01 60 00 - Product Requirements, for additional provisions.

Extra Paint and Finish Materials: 1 gallon (4 L) of each color; from the same product run, store where directed.

Label each container with color in addition to the manufacturer's label.

**DELIVERY, STORAGE, AND HANDLING**

Deliver products to site in sealed and labeled containers; inspect to verify acceptability.

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.

Paint Materials: Store at minimum ambient temperature of 45 degrees F (7 degrees C) and a maximum of 90 degrees F (32 degrees C), in ventilated area, and as required by manufacturer's instructions.

**FIELD CONDITIONS**

Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.

Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

Provide lighting level of 80 ft candles (860 lx) measured mid-height at substrate surface.



**PART 2 PRODUCTS**

**MANUFACTURERS**

Provide paints and finishes used in any individual system from the same manufacturer; no exceptions.

Paints:

Dunn-Edwards: www.dunnedwards.com.

PPG Paints: www.ppgpaints.com.

Sherwin-Williams Company: www.sherwin-williams.com.

Glidden Professional, a product of PPG Architectural Coatings: www.gliddenprofessional.com.

Primer Sealers: Same manufacturer as top coats.

Substitutions: See Section 01 60 00 - Product Requirements.

**PAINTS AND FINISHES - GENERAL**

Paints and Finishes: Ready-mixed, unless intended to be a field-catalyzed paint.

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.

Supply each paint material in quantity required to complete entire project's work from a single production run.

Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.

Volatile Organic Compound (VOC) Content:

Provide paints and finishes that comply with the most stringent requirements specified in the following:

40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.

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.

Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by Architect from the manufacturer's full line.

Colors: As indicated on drawings.



In finished areas, finish pipes, ducts, conduit, and equipment the same color as the wall/ceiling under which they are mounted.

**PAINT SYSTEMS - INTERIOR**

Medium Duty Door/Trim: For surfaces subject to frequent contact by occupants, including metals:

Medium duty applications include doors, door frames, railings, handrails, guardrails, and balustrades.

Two top coats and one coat primer.

Top Coat Sheen:

Semi-Gloss: MPI gloss level 5; use this sheen at all locations.

Primer: As recommended by top coat manufacturer for specific substrate.

Medium Duty Vertical and Overhead: Including gypsum board, plaster, concrete, concrete masonry units, uncoated steel, shop primed steel, galvanized steel, and aluminum.

Two top coats and one coat primer.

Top Coat(s): High Performance Architectural Interior Latex; MPI #139, 141.

Top Coat Sheen:

Eggshell: MPI gloss level 3; use this sheen at all locations.

Semi-Gloss: MPI gloss level 5; use this sheen at toilet rooms, mechanical rooms, electrical rooms, utility rooms, janitor rooms and similar high abuse areas.

Primer: As recommended by top coat manufacturer for specific substrate.

**ACCESSORY MATERIALS**

Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of painted surfaces.

Patching Material: Latex filler.

Fastener Head Cover Material: Latex filler.

**PART 3 EXECUTION**

**EXAMINATION**

Do not begin application of paints and finishes until substrates have been adequately prepared.

Verify that surfaces are ready to receive work as instructed by the product manufacturer.

Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.



If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

Test shop-applied primer for compatibility with subsequent cover materials.

Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces is below the following maximums:

Gypsum Wallboard: 12 percent.

Plaster and Stucco: 12 percent.

Masonry, Concrete, and Concrete Masonry Units: 12 percent.

**PREPARATION**

Clean surfaces thoroughly and correct defects prior to application.

Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.

Seal surfaces that might cause bleed through or staining of topcoat.

Gypsum Board: Fill minor defects with filler compound. Spot prime defects after repair.

**APPLICATION**

Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.

Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".

Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

Apply each coat to uniform appearance in thicknesses specified by manufacturer.

Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

**END OF SECTION**



**CUBICLE CURTAINS AND TRACK**

**PART 1 GENERAL**

**SECTION INCLUDES**

Surface mounted overhead curtain track and guides.

Cubicle curtains.

**SUBMITTALS**

See Section 01 30 00 - Administrative Requirements, for submittal procedures.

Product Data: Provide data for curtain track and fabric characteristics.

Samples: Submit two fabric samples, 12 by 12 inch (300 by 300 mm) in size illustrating fabric color.

Maintenance Data: Include recommended cleaning methods and materials and stain removal methods.

Maintenance Materials: Furnish the following for Owner's use in maintenance of project.

See Section 01 60 00 - Product Requirements, for additional provisions.

Extra Curtains: Two of each type and size.

Extra Carriers: Ten.

**PART 2 PRODUCTS**

**MANUFACTURERS**

Cubicle Track and Curtains:

A. R. Nelson Co: www.arnelson.com.

C/S General Cubicle: www.c-sgroup.com/cubicle-track-curtains.

Imperial Fastener Co., Inc: www.imperialfastener.com.

Inpro: www.inprocorp.com.

**TRACKS AND TRACK COMPONENTS**

Tracks: Extruded aluminum sections; one piece per track run.

Mounting: Surface.

Structural Performance: Capable of supporting vertical test load of 50 lbs (23 kg) without visible deflection of track or damage to supports, safely supporting moving loads, and sufficiently rigid to resist visible deflection and without permanent set.



Track End Stop: To fit track section.

Track Bends: Minimum 8 inch (203 mm) radius; fabricated without deformation of track section or impeding movement of carriers.

Finish on Exposed Surfaces: White enamel.

Curtain Carriers: Thermoplastic with aluminum hook, size and type compatible with track; designed to eliminate bind when curtain is pulled; fitted to curtain to prevent accidental curtain removal.

Installation Accessories: Types required for specified mounting method and substrate conditions.

**CURTAINS**

Cubicle Curtains:

Inherently flame resistant or flameproofed; capable of passing NFPA 701 test.

Material: Close weave polyester; anti-bacterial, self deodorizing, sanitized, and preshrunk.

Color/Pattern: As indicated on drawings.

Open Mesh Cloth: Open weave to permit air circulation; flameproof material, manufacturer's standard color.

Attachment of Curtain Fabric to Open Mesh Cloth: Manufacturer's standard sewn seam.

**PART 3 EXECUTION**

**EXAMINATION**

Verify that surfaces and supports above ceiling are ready to receive work of this Section.

Verify that field measurements are as indicated.

**INSTALLATION**

Install curtain track to be secure, rigid, and true to ceiling line.

Secure track to ceiling system.

Install end cap and stop device.

Install curtains on carriers ensuring smooth operation.

**END OF SECTION**



**COUNTERTOPS**

**PART 1 GENERAL**

**SECTION INCLUDES**

Countertops for architectural cabinet work.

Wall-hung counters and vanity tops.

**SUBMITTALS**

See Section 01 30 00 - Administrative Requirements for submittal procedures.

Product Data: Manufacturer's data sheets on each product to be used, including:

Preparation instructions and recommendations.

Storage and handling requirements and recommendations.

Specimen warranty.

Shop Drawings: Complete details of materials and installation ; combine with shop drawings of cabinets and casework specified in other sections.

Verification Samples: For each finish product specified, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.

Test Reports: Chemical resistance testing, showing compliance with specified requirements.

Maintenance Data: Manufacturer's instructions and recommendations for maintenance and repair of countertop surfaces.

**DELIVERY, STORAGE, AND HANDLING**

Store products in manufacturer's unopened packaging until ready for installation.

Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

**FIELD CONDITIONS**

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**

**COUNTERTOPS**

Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.



Epoxy Resin Countertops: Filled epoxy resin molded into homogenous, non-porous sheets; no surface coating and color and pattern consistent throughout thickness; with integral or adhesively seamed components.

Manufacturers:

Durcon, Inc: www.durcon.com.

Prime Industries, Inc: www.piilab.com.

Flat Surface Thickness: 1 inch (25 mm), nominal.

Chemical-Resistance: Provide products that resist the following chemicals with not more than Moderate Effect when tested in accordance with NEMA LD 3;

Flammability: Self-extinguishing, when tested in accordance with ASTM D635.

Surface Finish: Smooth, non-glare.

Color: Black.

Exposed Edge Shape: 1/8 inch (3 mm) bevel chamfer.

Back and End Splashes: Same material, same thickness; separate for field attachment.

Fabricate in accordance with manufacturer's standard requirements.

**MATERIALS**

Plywood for Supporting Substrate: PS 1 Exterior Grade, A-C veneer grade, minimum 5-ply; minimum 3/4 inch (19 mm) thick; join lengths using metal splines.

Particleboard for Supporting Substrate: ANSI A208.1 Grade 2-M-2, 45 pcf (20 kg/cu m) minimum density; minimum 3/4 inch (19 mm) thick; join lengths using metal splines.

Medium Density Fiberboard for Supporting Substrate: ANSI A208.2.

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

**ACCESSORIES**

Fixed Top-Mounted Countertop Support Brackets:

Material: Steel.

Finish: Manufacturer's standard, factory-applied, textured powder coat.

Color: Black.

**FABRICATION**

Fabricate tops and splashes in the largest sections practicable, with top surface of joints flush.



Join lengths of tops using best method recommended by manufacturer.

Fabricate to overhang fronts and ends of cabinets 1 inch (25 mm) except where top butts against cabinet or wall.

Prepare all cutouts accurately to size; replace tops having improperly dimensioned or unnecessary cutouts or fixture holes.

Provide backsplash wherever counter edge abuts vertical surface unless otherwise indicated.

Secure to countertop with concealed fasteners and with contact surfaces set in waterproof glue.

Height: 4 inches (102 mm), unless otherwise indicated.

Solid Surfacing: Fabricate tops and wall panels up to 96 inches (2438 mm) long in one piece; join pieces with adhesive sealant in accordance with manufacturer's recommendations and instructions.

Wall-Mounted Counters: Provide skirts, aprons, brackets, and braces as indicated on drawings, finished to match.

**PART 3 EXECUTION**

**EXAMINATION**

Do not begin installation until substrates have been properly prepared.

If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

Verify that wall surfaces have been finished and mechanical and electrical services and outlets are installed in proper locations.

**INSTALLATION**

Securely attach countertops to cabinets using concealed fasteners. Make flat surfaces level; shim where required.

Attach epoxy resin countertops using compatible adhesive.

Seal joint between back/end splashes and vertical surfaces.

**CLEANING**

Clean countertops surfaces thoroughly.

**PROTECTION**

Protect installed products until completion of project.

Touch-up, repair or replace damaged products before Date of Substantial Completion.

**END OF SECTION**





ISSUE DATE: 12.20.2024

| REV | DATE | COMMENT |
|---|---|---|

LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

SHEET SPECIFICATIONS
TITLE

FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844
PROJECT

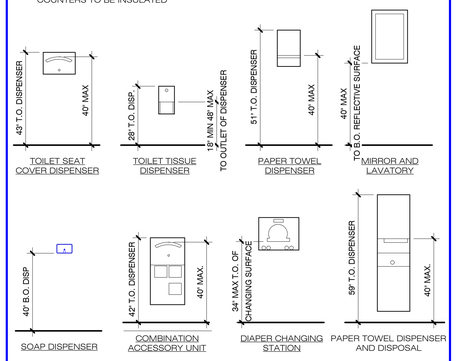
UNIVERSITY OF IDAHO
CLIENT

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

G0-04

PROJECT NOTES

1. VERIFY ALL ACCESSORY SIZE AND MOUNTING WITH MANUFACTURERS APPROVED CUT SHEETS
2. TRAPS AND HOT WATER PIPES AT LAVS OR SINKS SET IN OPEN COUNTERS TO BE INSULATED




NOT ALL FIXTURES OR ACCESSORIES SHOWN ARE APPLICABLE TO THIS PROJECT - REFER TO PLANS AND INT ELEVATIONS FOR SPECIFIC ITEMS, LOCATIONS AND SPECIAL CONDITIONS

ACCESSIBLE FIXTURES AND MOUNTING HEIGHTS

## ABBREVIATIONS

| | | | |
|---|---|---|---|
| # | POUND OR NUMBER | I.D. | INSIDE DIAMETER |
| & | AND | INSUL. | INSULATION |
| @ | AT | INT. | INTERIOR |
| A.B. | ANCHOR BOLT | JAN. | JANITOR |
| A.C. | ASPHALT CONCRETE | JT. | JOINT |
| A.D. | AREA DRAIN | K.O. | KNOCK OUT |
| A.F.F. | ABOVE FINISH FLOOR | KIT. | KITCHEN |
| A.F.G. | ABOVE FINISH GRADE | L.F. | LINEAR FOOT |
| A.F.S. | ABOVE FLOOR SLAB | L.K.R. | LOCKER |
| A.V. | AUDIO/VISUAL | LAB. | LABORATORY |
| ABV. | ABOVE | LAM. | LAMINATE |
| ACOUST. | ACOUSTICAL | LAV. | LAVATORY |
| ADJ. | ADJUSTABLE | LT. | LIGHT |
| AGGR. | AGGREGATE | M.C. | MEDICINE CABINET |
| AL. | ALUMINUM | M.O. | MASONRY OPENING |
| ANOD. | ANODIZED | MAX. | MAXIMUM |
| APPROX. | APPROXIMATE | MECH. | MECHANICAL |
| ARCH. | ARCHITECTURAL | MEMB. | MEMBRANE |
| ASPH. | ASPHALT | MET. | METAL |
| B.C. | BACK OF CURB | MFR. | MANUFACTURER |
| B.M. | BENCH MARK | MH. | MANHOLE |
| B.U.R. | BUILT UP ROOF | MIN. | MINIMUM |
| BD. | BOARD | MIR. | MIRROR |
| BITUM. | BITUMINOUS | MISC. | MISCELLANEOUS |
| BLDG. | BUILDING | MTD. | MOUNTED |
| BLK. | BLOCK | MUL. | MULLION |
| BLKG. | BLOCKING | N. | NORTH |
| BM. | BEAM | N.I.C. | NOT IN CONTRACT |
| BOT. | BOTTOM | N.T.S. | NOT TO SCALE |
| BRG. | BEARING | NO. | NUMBER |
| BTW. | BETWEEN | NOM. | NOMINAL |
| C.B. | CATCH BASIN | O.C. | ON CENTER |
| C.F.C.I. | CONTRACTOR FURNISHED / CONTRACTOR INSTALLED | O.D. | OUTSIDE DIAMETER (DIM) |
| | | O.F.C.I. | OWNER FURNISHED / CONTRACTOR INSTALLED |
| C.F.O.I. | CONTRACTOR FURNISHED / OWNER INSTALLED | O.F.O.I. | OWNER FURNISHED / OWNER INSTALLED |
| C.G. | CORNER GUARD | OA. | OVERALL |
| C.I. | CAST IRON | OBS. | OBSCURE |
| C.J. | CONSTRUCTION JOINT | OFF. | OFFICE |
| C.M.U. | CONCRETE MASONRY UNIT | OPNG. | OPENING |
| C.O. | CLEAN OUT | OPP. | OPPOSITE |
| C.R. | COLD ROLLED | P.B. | PEG BOARD |
| C.T. | CERAMIC TILE | P.L. | PROPERTY LINE |
| CAB. | CABINET | P.T.D. | PAPER TOWEL DISPENSER |
| CEM. | CEMENT | P.T.D.,R. | P.T.D. AND RECEPTACLE |
| CEM. PLAST. | CEMENT PLASTER | P.T.R. | PAPER TOWEL RECEPTACLE |
| CERAMIC. | CERAMIC | PL. | PLATE |
| CER. | CENTER LINE | PLAM. | PLASTIC LAMINATE |
| CL. | CEILING | PLUM. | PLUMBING |
| CLG. | CAULKING | PLY. WD. | PLYWOOD |
| CLKG. | CLEAR | PR. | PAIR |
| CLR. | COUNTER | PRECST. | PRE-CAST |
| CNTR. | COLUMN | PT. | PAINT |
| COL. | CONCRETE | PTN. | PARTITION |
| CONC. | CONNECTION | Q.T. | QUARRY TILE |
| CONN. | CONSTRUCTION | R. | RISER |
| CONSTR. | CONTINUOUS | R.D. | ROOF DRAIN |
| CONT. | CORRIDOR | R.O. | ROUGH OPENING |
| CORR. | CARPET | R.W.L. | RAIN WATER LEADER |
| CPT. | COUNTER | RAD. | RADIUS |
| CTR. | COUNTERSINK | REF. | REFERENCE |
| CTSK. | DRINKING FOUNTAIN | REFR. | REFRIGERATOR |
| D.F. | DOOR OPENING | REINF. | REINFORCED |
| D.O. | DRY STANDPIPE | REQ. | REQUIRED |
| D.S.P. | DRAWER | RESIL. | RESILIENT |
| D.W.R. | DOUBLE | RM. | ROOM |
| DBL. | DEMOLITION | RSTR. | REGISTER |
| DEMO. | DEPARTMENT | RWD. | REDWOOD |
| DEPT. | DETAIL | S. SK. | SERVICE SINK |
| DET. | DIAMETER | S. | SOUTH |
| DIA. | DIMENSION | S.C. | SOLID CORE |
| DIM. | DISPENSER | S.C.E. | SEAT COVER DISPENSER |
| DISP. | DOWN | S.H. | SHELF |
| DN. | DOOR | S.N.D. | SANITARY NAPKIN |
| DR. | DOWNSPOUT | SCHED. | DISPENSER |
| DS. | DRAWING | SD. | SCHEDULE |
| DWG. | EAST | SECT. | SOAP DISPENSER |
| E. | EXPANSION JOINT | SHR. | SECTION |
| E.J. | ELEVATION | SHT. | SHOWER |
| E.L. | ELECTRIC PANELBOARD | SIM. | SHEET |
| E.P. | SINGLE PLY ROOF | SPEC. | SIMILAR |
| E.P.D.M. | MEMBRANE | SQ. | SPECIFICATION |
| E.W. | EACH WAY | SST. | SQUARE |
| E.W.C. | ELECTRIC WATER COOLER | STA. | STAINLESS STEEL |
| EA. | EACH | STD. | STATION |
| ELEC. | ELECTRICAL | STL. | STANDARD |
| EMER. | EMERGENCY | STOR. | STEEL |
| ENCL. | ENCLOSURE | STRL. | STORAGE |
| EQ. | EQUAL | SUSP. | STRUCTURAL |
| EQUIP. | EQUIPMENT | SYM. | SUSPENDED |
| EXIST. | EXISTING | T & G | SYMMETRICAL |
| EXP. | EXPANSION | T.B. | TONGUE AND GROOVE |
| EXPO. | EXPOSED | T.E.R. | TOWEL BAR |
| EXT. | EXTERIOR | T.O.C. | TELEPHONE EQUIPMENT |
| F.A. | FIRE ALARM | T.O.P. | ROOM |
| F.B. | FLAT BAR | T.O.W. | TOP OF CURB |
| F.D. | FLOOR DRAIN | T.V. | TOP OF PAVEMENT |
| F.E. | FIRE EXTINGUISHER | TEL. | TOP OF WALL |
| F.E.C. | FIRE EXTINGUISHER | THK. | TELEVISION |
| F.H. | CABINET | TRD. | TELEPHONE |
| F.H.C. | FIRE HYDRANT | TYP. | THICK |
| F.O.C. | FIRE HOSE CABINET | U.N.O. | TREAD |
| F.O.F. | FACE OF CONCRETE | UNFIN. | TYPICAL |
| F.O.M. | FACE OF FINISH | UR. | UNLESS NOTED OTHERWISE |
| F.O.S. | FACE OF MASONRY | V.B. | UNFINISHED |
| F.S. | FACE OF STUDS | V.C.G. | URINAL |
| FDN. | FLOOR SINK | V.T. | VAPOR BARRIER |
| FIN. | FOUNDATION | VAR. | VINYL CORNER GUARD |
| FLASH. | FINISH | VERT. | VINYL TILE |
| FLR. | FLASHING | VEST. | VARIES |
| FLUOR. | FLOOR | W. | VERTICAL |
| FPRF. | FLUORESCENT | W.C. | VESTIBULE |
| FT. | FIREPROOF | W/ | WEST |
| FTG. | FOOT OR FEET | W/O | WATER CLOSET |
| FURR. | FOOTING | WD. | WITH |
| FUT. | FURRING | WP. | WITHOUT |
| G.B. | FUTURE | WSCT. | WOOD |
| GA. | GRAB BAR | WT. | WATERPROOF |
| GALV. | GAUGE | | WAINSCOT |
| GL. | GALVANIZED | | WEIGHT |
| GL. BLK. | GLASS | | |
| GND. | GLASS BLOCK | | |
| GR. | GROUND | | |
| GYP. | GRADE | | |
| H.B. | GYPSUM | | |
| H.C. | HOSE BIB | | |
| H.M. | HOLLOW CORE | | |
| HDWD. | HOLLOW METAL | | |
| HDWE. | HARDWOOD | | |
| HGT. | HARDWARE | | |
| HORIZ. | HEIGHT | | |
| HR. | HORIZONTAL | | |
| | HOUR | | |

## SYMBOL LEGEND

- DATUM POINT
- DOOR NUMBER
- WINDOW TAG
- ROOM NUMBER
- WALL TAG
- ACCESSORY/ EQUIPMENT TAG
- KEYNOTE
- TILTUP TAG
- NORTH ARROW (NORTH)
- PITCH (5 : 12)
- CEILING TAG
- FLOORING TAG (CPT , VCT)
- ELEVATION TAG (T.O. FIN. FLR. ELEV. 100'-0")
- GRID BUBBLE AND LINE
- EXISTING GRID BUBBLE AND LINE
- MATCH BUBBLE AND LINE
- INTERIOR ELEVATION TAG
- EXTERIOR ELEVATION TAG
- REVISION TAG
- BUILDING SECTION TAG
- WALL SECTION TAG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ISSUE DATE: 12.20.2024

| REV | DATE | COMMENT |
|---|---|---|

LICENSED ARCHITECT AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

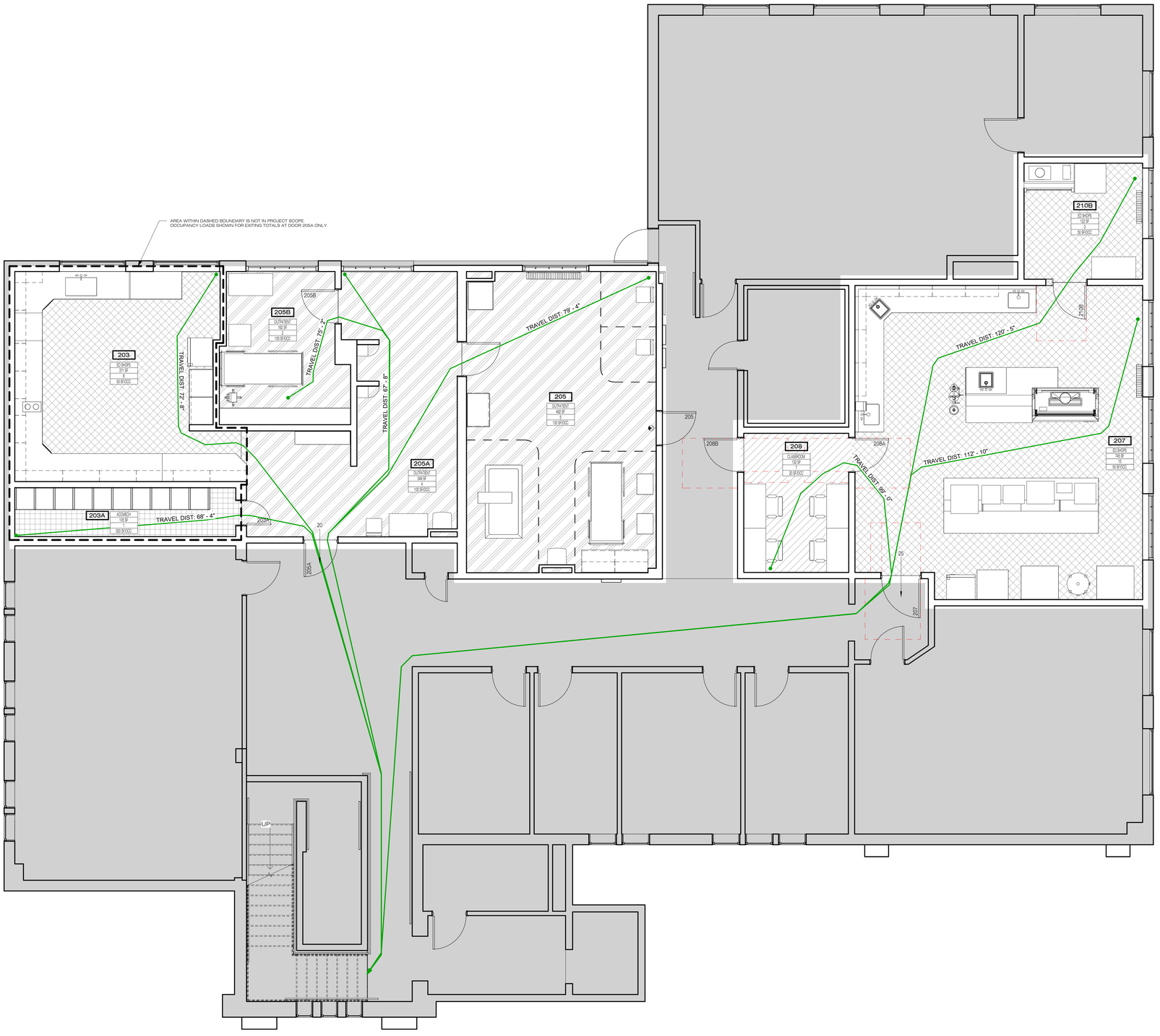
INFORMATION SHEET (TITLE)

FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844 (PROJECT)

UNIVERSITY OF IDAHO (CLIENT)

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

G0-10




## LEVEL 2 CODE AND EXITING PLAN

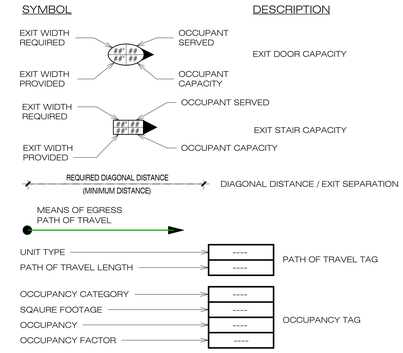
1/4" = 1'-0"

NORTH

## SHEET NOTES

A. ALL EXIT DOORS TO SWING IN DIRECTION OF TRAVEL FOR SPACES WITH AN OCCUPANT LOAD GREATER THAN 50.

## SYMBOL LEGEND




## OCCUPANCY TYPE LEGEND

- ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM
- EDUCATIONAL (CLASSROOM AREA)
- EDUCATIONAL (SHOPS AND OTHER VOCATIONAL ROOM)
- INSTITUTIONAL AREAS (OUTPATIENT AREAS)

## (AREA OF WORK ONLY)

| OCCUPANCY CLASSIFICATION | OCCUPANCY TYPE | AREA (SF) | AREA PER OCCUPANT | # OF OCCUPANTS |
|---|---|---|---|---|
| ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM | GROSS | 105 SF | 300 | 1 |
| CIRCULATION | N/A | 1408 SF | 0 | 0 |
| EDUCATIONAL (CLASSROOM AREA) | NET | 132 SF | 20 | 7 |
| EDUCATIONAL (SHOPS AND OTHER VOCATIONAL ROOM) | NET | 1238 SF | 50 | 26 |
| INSTITUTIONAL AREAS (OUTPATIENT AREAS) | GROSS | 1002 SF | 100 | 11 |
| | | 3885 SF | | 45 |

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ISSUE DATE: 12.20.2024

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|---|---|---|

LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

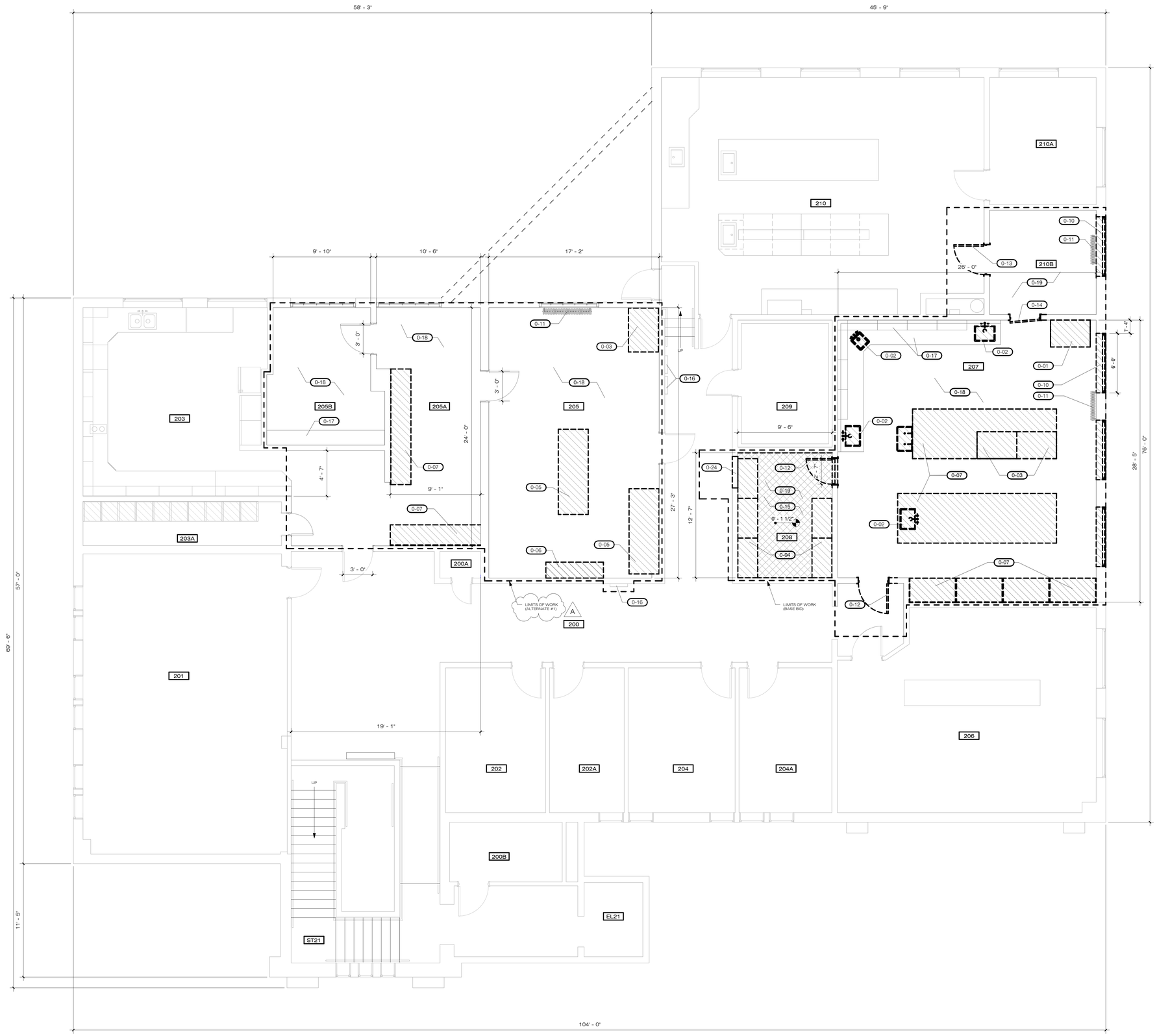
TITLE: CODE AND EXITING PLAN

PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844

CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

LS1-10




NORTH

## LEVEL 2 - DEMOLITION PLAN

1/4" = 1'-0"

## ROOM LEGEND

| ROOM # | ROOM NAME | GROSS SF OF RENOVATION |
|---|---|---|
| 205 | BODY COMPOSITION LABORATORY | 463 SF |
| 205A | LOBBY AND READY ROOM | 319 SF |
| 205B | RESTING METABOLIC RATE LABORATORY | 150 SF |
| 207 | WET CHEMISTRY LABORATORY | 722 SF |
| 208 | OFFICE AND COMPUTER LAB | 120 SF |
| 210B | BSC ROOM | 113 SF |

## KEYNOTES

| | |
|---|---|
| 0-01 | REMOVE (DEMOLISH) EXISTING CHEMICAL FUME HOOD, ROOF TOP EXHAUST FAN, MAKE UP AIR UNIT, AND CORRESPONDING DUCT WORK AND PREPARE FOR NEW. |
| 0-02 | REMOVE (DEMOLISH) EXISTING SINK. CUT BACK AND CAP PLUMBING AT SLAB. |
| 0-03 | REMOVE (DEMOLISH) EXISTING BIO SAFETY CABINET. REMOVE (DEMOLISH) EXISTING ROOF TOP EXHAUST FAN AND CORRESPONDING DUCT WORK. REMOVE (DEMOLISH) EXISTING MAKE UP AIR UNIT AND CORRESPONDING DUCT WORK. |
| 0-04 | REMOVE (DEMOLISH) EXISTING SYSTEMS FURNITURE AND SUPPORT STRUCTURES COMPLETE. |
| 0-05 | REMOVE (DEMOLISH) EXISTING LABORATORY EQUIPMENT AND SUPPORT INFRASTRUCTURE AS REQUIRED. |
| 0-06 | REMOVE (DEMOLISH) EXISTING 3-COMPARTMENT SINK AND ASSOCIATED FILTRATION SYSTEMS. PREPARE PLUMBING FOR NEW WALL MOUNTED SINK. |
| 0-07 | REMOVE (DEMOLISH) CASEWORK COMPLETE. |
| 0-10 | REMOVE (DEMOLISH) EXISTING WINDOW ASSEMBLY AND PREPARE FOR NEW. ADD/ALT #3. |
| 0-11 | EXISTING RADIATOR TO REMAIN, PROTECT IN PLACE. |
| 0-12 | REMOVE EXISTING DOOR AND FRAME AND PREPARE FOR NEW. |
| 0-13 | REMOVE EXISTING DOOR AND FRAME AND INFILL OPENING TO MATCH ADJACENT. |
| 0-14 | REMOVE EXISTING DOOR AND FRAME AND PATCH OPENING AS REQUIRED. |
| 0-15 | REMOVE BUILT UP FLOOR TO BE FLUSH AT DOOR THRESHOLD. PREP FLOOR FOR NEW CARPET TILE FLOORING. |
| 0-16 | EXISTING ELECTRICAL PANEL TO BE REPLACED, REFER TO ELECTRICAL DRAWINGS. |
| 0-17 | EXISTING CASEWORK TO REMAIN, PROTECT IN PLACE. |
| 0-18 | REMOVE (DEMOLISH) ALL VCT FLOORING AND MASTIC. ABATE AS REQUIRED, REFER TO HAZARDOUS MATERIALS REPORT. PREPARE FOR NEW FLOORING PER FINISH SCHEDULE. CLEAR WALLS OF SURFACE MOUNTED CONDUITS AND PIPING WHERE POSSIBLE. PATCH AND REPAIR WALLS, PREPARE FOR PAINT. |
| 0-19 | REMOVE (DEMOLISH) ALL CARPET. ABATE AS REQUIRED, REFER TO HAZARDOUS MATERIALS REPORT. PREPARE FOR NEW FLOORING PER FINISH SCHEDULE. CLEAR WALLS OF SURFACE MOUNTED CONDUITS AND PIPING WHERE POSSIBLE. PATCH AND REPAIR WALLS, PREPARE FOR PAINT. |
| 0-24 | DEMOLISH EXISTING WALL TO PREPARE FOR NEW DOOR. |

## HATCH LEGEND

CASEWORK AND EQUIPMENT TO BE REMOVED COMPLETELY

BUILT UP FLOOR ASSEMBLY TO BE REMOVED COMPLETELY

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ISSUE DATE: 12.20.2024

| REV | DATE | COMMENT |
|---|---|---|
| A | 1/31/2025 | Owner Revisions |

LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

DEMO FLOOR PLAN (TITLE)

FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844 (PROJECT)

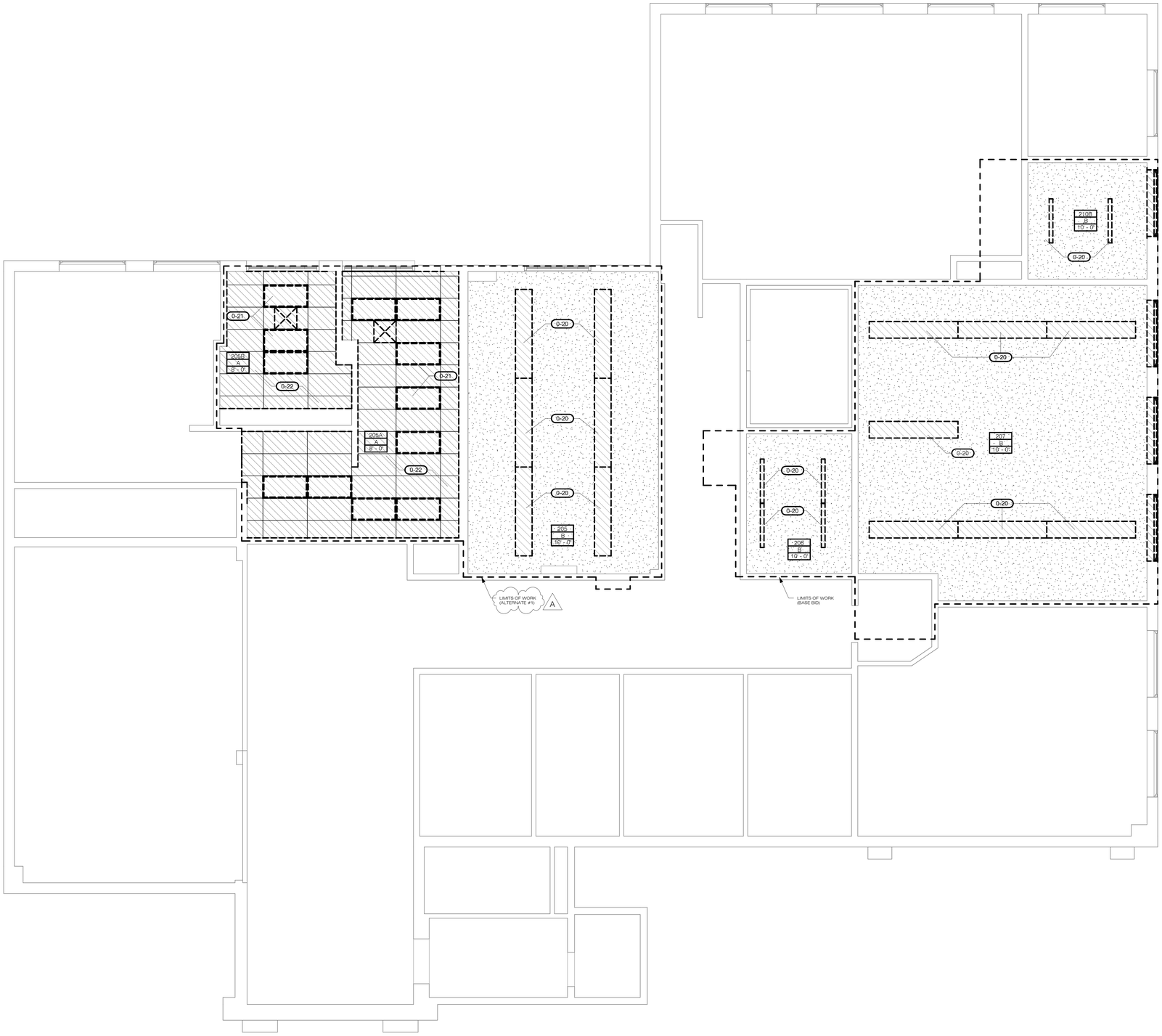
UNIVERSITY OF IDAHO (CLIENT)

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

AD2-10

## KEYNOTES

| | |
|---|---|
| 0-20 | REMOVE (DEMOLISH) FLUORESCENT LINEAR PENDANT FIXTURES. PREPARE FOR NEW LIGHTING IN THE SAME LOCATIONS. PATCH AND REPAIR CEILING AS REQUIRED. |
| 0-21 | REMOVE (DEMOLISH) FLUORESCENT 2X4 FIXTURES. PREPARE FOR NEW LIGHTING IN THE SAME LOCATIONS. |
| 0-22 | REMOVE (DEMOLISH) EXISTING ACT TILES, PROTECT GRID IN PLACE. |




NORTH

DEMO REFLECTED CEILING PLAN

1/4" = 1'-0"

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ISSUE DATE: 12.20.2024

| REV | DATE | COMMENT |
|---|---|---|
| A | 1/31/2025 | Owner Revisions |

LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

TITLE: DEMO REFLECTED CEILING PLAN

PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844

CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

AD3-10

## SHEET NOTES

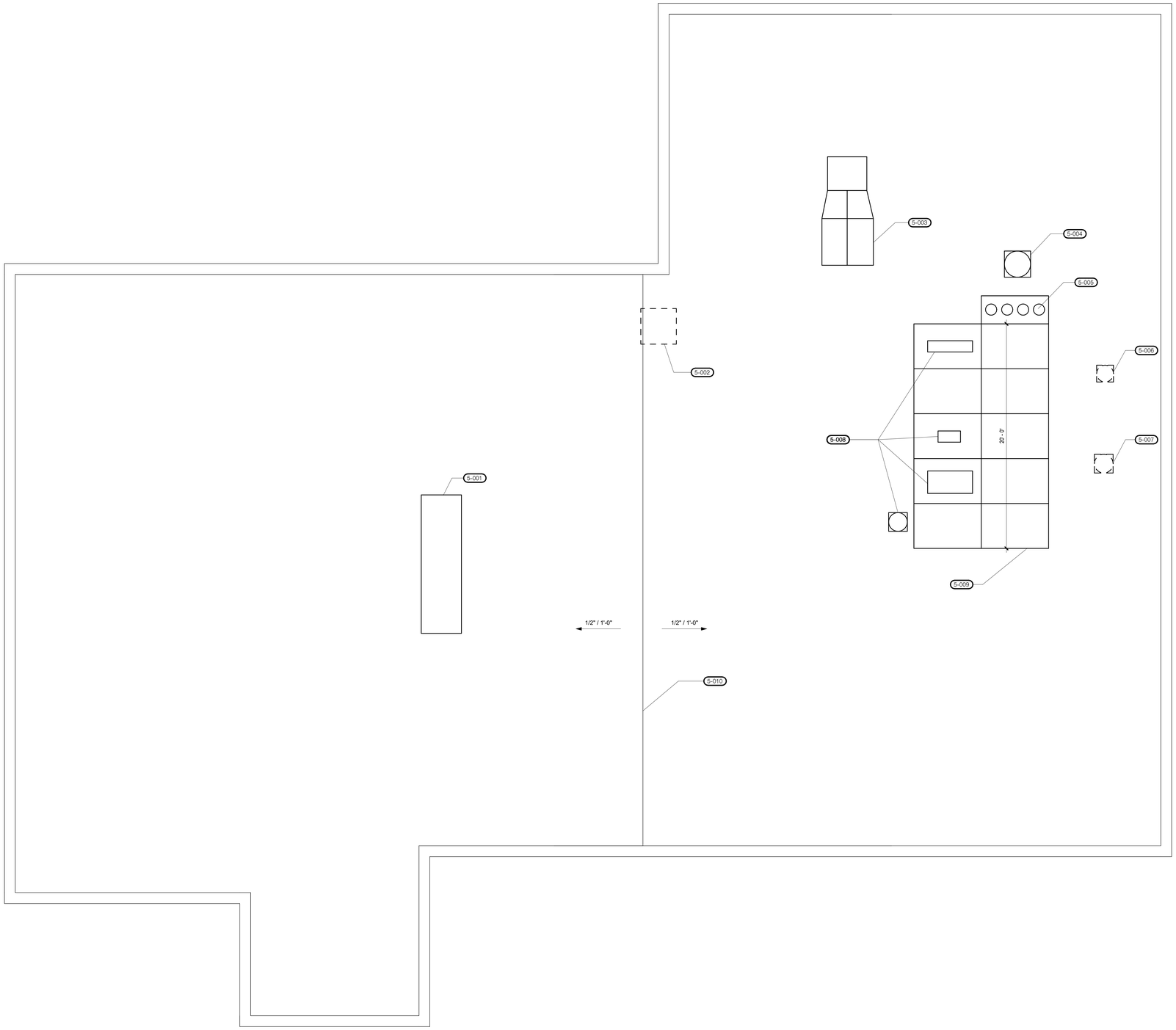
ALL FLASHING, COUNTER FLASHING, AND SHEET METAL WORK TO CONFORM WITH THE MINIMUM STANDARDS OF THE LATEST EDITION OF THE SMACNA MANUAL.

ALL MECHANICAL AND ELECTRICAL PENETRATIONS OF THE ROOF SHALL MEET WITH ROOFING MANUFACTURERS RECOMMENDATIONS TO MAINTAIN INTEGRITY OF ROOFING SYSTEM.

SEE XX/X.XX FOR TYPICAL ROOF PENETRATION CLEARANCES.

## KEYNOTES

| | |
|---|---|
| 5-001 | EXISTING RTU TO REMAIN |
| 5-002 | EXHAUST FAN AND STACK FOR ROOM 206 FUME HOOD TO BE REMOVED |
| 5-003 | EXISTING RTU TO REMAIN |
| 5-004 | EXHAUST FAN TO ROOM 210 TO REMAIN |
| 5-005 | EXISTING EXHAUST STACKS TO REMAIN |
| 5-006 | EXHAUST FAN TO ROOM 207 FUME HOOD TO BE REMOVED. REUSED OPENING FOR NEW FUME HOOD DUCT. |
| 5-007 | REMOVE EXISTING EXHAUST FAN. PATCH ROOF AS REQUIRED. |
| 5-008 | EXISTING EXHAUST FAN TO REMAIN |
| 5-009 | EXISTING STEEL FRAME SUPPORTING HVAC AND AIR HANDLING EQUIPMENT TO REMAIN |
| 5-010 | EXISTING RIDGE |




NORTH

# DEMO ROOF PLAN

1/4" = 1'-0"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LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

TITLE: DEMO ROOF PLAN

PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844

CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

AD4-10

## ROOM LEGEND

| ROOM # | ROOM NAME | GROSS SF OF RENOVATION |
|---|---|---|
| 205 | BODY COMPOSITION LABORATORY | 463 SF |
| 205A | LOBBY AND READY ROOM | 319 SF |
| 205B | RESTING METABOLIC RATE LABORATORY | 150 SF |
| 207 | WET CHEMISTRY LABORATORY | 722 SF |
| 208 | OFFICE AND COMPUTER LAB | 120 SF |
| 210B | BSC ROOM | 113 SF |

## KEYNOTES

| | |
|---|---|
| 1-01 | INSTALL NEW DUCTLESS BIO SAFETY CABINET WITH HEPA EXHAUST FILTER. |
| 1-02 | NEW SINK WITH NEW PLUMBING, CONNECT TO EXISTING DI SYSTEM. REFER TO PLUMBING DRAWINGS. |
| 1-03 | NEW STAINLESS STEEL SINK AND FAUCET CONNECTED TO EXISTING PLUMBING. |
| 1-10 | NEW COUNTER AND CASEWORK TO INCLUDE ADDITIONAL POWER TO SUPPORT ALL PROGRAM SPECIFIC LABORATORY EQUIPMENT. |
| 1-11 | NEW ADA COUNTER AT 34". |
| 1-13 | NEW BUILT IN CASEWORK WITH CABINETS ABOVE. |
| 1-20 | STORAGE LOCKERS FOR PARTICIPANTS, CF/CI. |
| 1-23 | DRESSING ROOM CURTAIN. SEE RCP FOR CURTAIN TRACK. |
| 1-32 | NEW BUILT IN CASEWORK. |
| 1-37 | NEW ALUMINUM WINDOW, ADD/ALT #3. |
| 1-38 | INFILL DOOR OPENING TO MATCH EXISTING ADJACENT WALL. |
| 1-39 | SAFETY SHOWER/EYE WASH STATION, BASIS OF DESIGN: ULINE H-667. |
| 1-41 | EXISTING RADIATOR TO REMAIN. |
| 1-43 | EXISTING CASEWORK TO REMAIN, REPAIR AND LEVEL DOORS AND HARDWARE AS REQUIRED. |
| 1-44 | INSTALL NEW DOOR AND FRAME IN NEW OPENING. |
| 1-45 | INSTALL NEW DOOR AND FRAME IN EXISTING OPENING. |
| 1-46 | UNDERCOUNTER FLASK SCRUBBER, CONNECT TO EXISTING TI SYSTEM. CF/CI, REFER TO PLUMBING DRAWINGS. |


NORTH

## LEVEL 2 FLOOR PLAN

1/4" = 1'-0"

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ISSUE DATE: 12.20.2024

| REV | DATE | COMMENT |
|---|---|---|
| A | 1/31/2025 | Owner Revisions |

LICENSED ARCHITECT AR-986427

ERIC MATTHEW ROBERTS STATE OF IDAHO

02/05/2025

TITLE: FLOOR PLAN

PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)

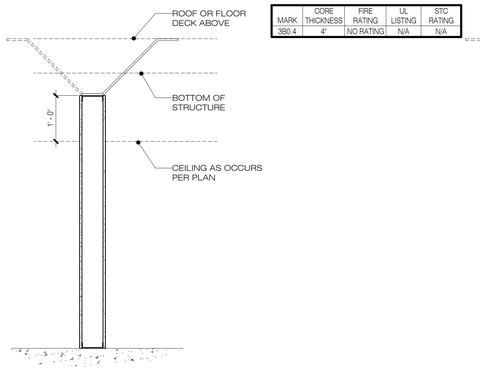
860 IDAHO AVE, MOSCOW, ID 83844

CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004

CAPITAL PROJECT NO: CP220034

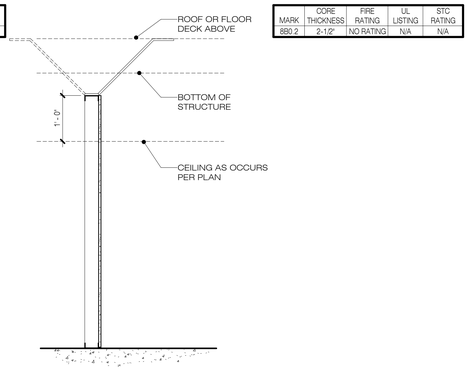
A2-10




| MARK | CORE THICKNESS | FIRE RATING | UL LISTING | STC RATING |
|---|---|---|---|---|
| 3B0.4 | 4" | NO RATING | N/A | N/A |

## 1 PARTITION TYPE - 3B0

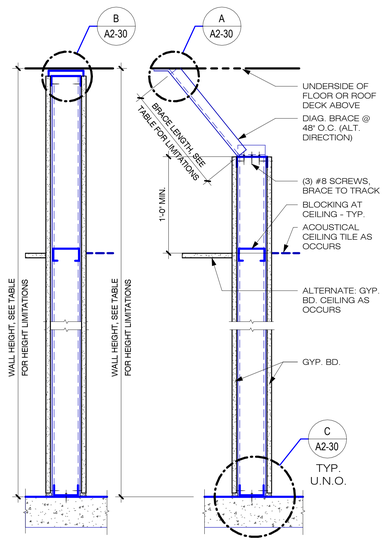
3/4" = 1'-0"




| MARK | CORE THICKNESS | FIRE RATING | UL LISTING | STC RATING |
|---|---|---|---|---|
| 8B0.2 | 2-1/2" | NO RATING | N/A | N/A |

## 6 PARTITION TYPE - 8B0

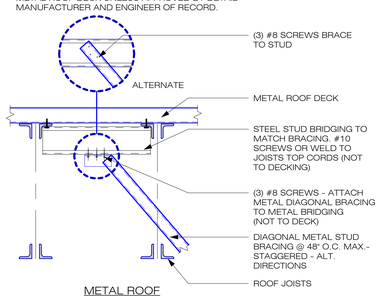
3/4" = 1'-0"




VERTICAL BRACED WALL OR DIAGONAL BRACED WALL

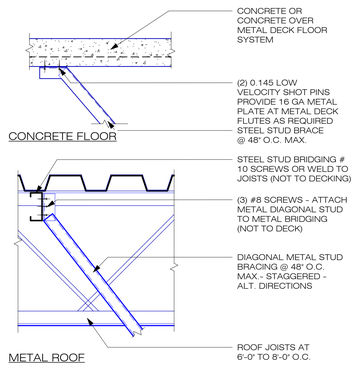
## C - TYP. NON-LOAD BRG. PTN.

NOTE:
1. DO NOT ATTACH DIAGONAL BRACING TO BOTTOM CHORD OF JOIST/TRUSS UNLESS APPROVED BY JOIST/TRUSS MANUFACTURER AND ENGINEER OF RECORD.
2. DO NOT ATTACH DIAGONAL BRACING TO UNDERSIDE OF METAL ROOF DECK UNLESS APPROVED BY DETAIL MANUFACTURER AND ENGINEER OF RECORD.



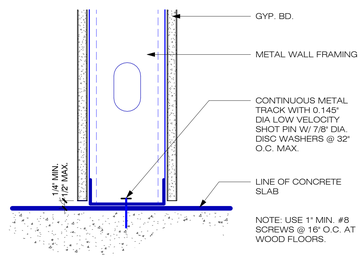

METAL ROOF

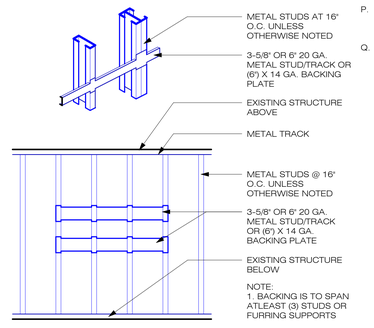
## A - BRACE TO STRUCTURE



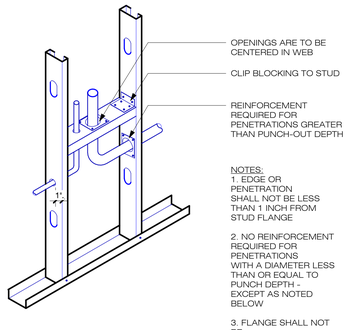

METAL ROOF

## B - BOTTOM TRACK



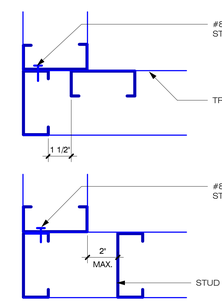




## D - BLOCKING OR BACKING

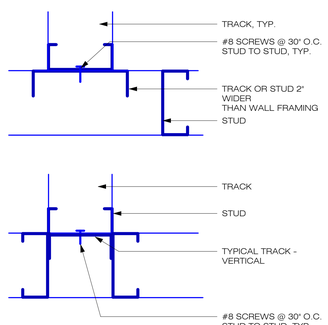



NOTES:
1. EDGE OR PENETRATION SHALL NOT BE LESS THAN 1 INCH FROM STUD FLANGE
2. NO REINFORCEMENT REQUIRED FOR PENETRATIONS WITH A DIAMETER LESS THAN OR EQUAL TO PUNCH DEPTH – EXCEPT AS NOTED BELOW
3. FLANGE SHALL NOT BE NOTCHED OR CUT

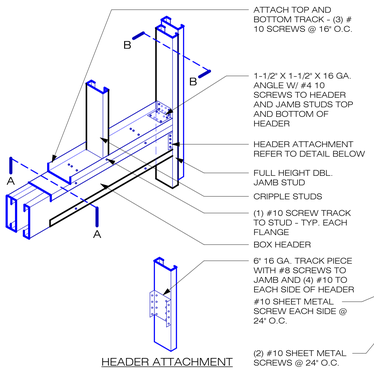
## E - TYP. STUD PENETRATION



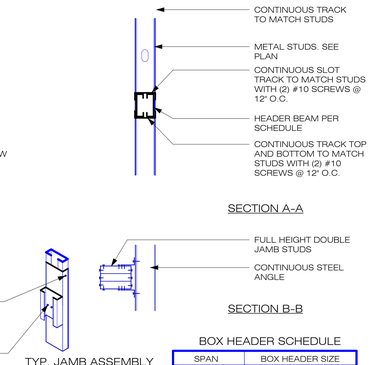

## F - TYP. CORNERS




## G - TYP. INTERSECTIONS




HEADER ATTACHMENT




TYP. JAMB ASSEMBLY

BOX HEADER SCHEDULE

| SPAN | BOX HEADER SIZE |
|---|---|
| UP TO 15'-0" | DOUBLE 6" x 16 GA. |
| UP TO 25'-0" | DOUBLE 8" X 16 GA. |

## H - BOX HEADER

## PARTITION NOTES

### ABBREVIATIONS

CORE TYPE
1 = CONCRETE
2 = MASONRY
3 = METAL STUD
4 = WOOD STUD
5 = FURRING (METAL STUDS)
6 = FURRING (WOOD STUDS)
7 = SHAFT
8 = SINGLE SIDED(METAL STUDS)
9 = SINGLE SIDED(WOOD STUDS)

XXX.XA
A=ACOUSTICAL
CORE THICKNESS
FIRE RATING OR SMOKE
CORE HEIGHT
CORE TYPE

CORE HEIGHT
B = BRACED HEIGHT (1'-0" ABOVE HIGHEST ADJACENT CEILING)
C = WALL TERMINATION UNDER CEILING
E = EXTERIOR WALL FULL HEIGHT
F = FULL HEIGHT (TO ROOF OR FLOOR STRUCTURE ABOVE)
L = LOW WALL (HEIGHT AS INDICATED ON PLANS)

FIRE RATING
0 = NO RATING
1 = 1-HOUR
2 = 2-HOUR
3 = 3-HOUR
4 = 4-HOUR

THICKNESSES:

| CONCRETE | MASONRY | METAL STUDS | WOOD STUDS | SHAFT (CH STUDS) |
|---|---|---|---|---|
| 4 = 4" | 4 = 3 5/8" (4" NOM.) | 0 = 7/8" | 1 = 3/4" | 2 = 2 1/2" |
| 6 = 6" | 6 = 5 5/8" (6" NOM.) | 1 = 1 1/2" | 2 = 1 1/2" | 4 = 4" |
| 8 = 8" | 8 = 7 5/8" (8" NOM.) | 2 = 2 1/2" | 3 = 2 1/2" | 6 = 6" |
| 10 = 10" | 12 = 11 5/8" (12" NOM.) | 3 = 3 5/8" | 4 = 3 1/2" | |
| 12 = 12" | | 4 = 4" | 6 = 5 1/2" | |
| | | 6 = 6" | 8 = 7 1/4" | |
| | | 8 = 8" | 10 = 9 1/4" | |
| | | 10 = 10" | 12 = 11 1/4" | |
| | | 12 = 12" | | |

## GENERAL NOTES

A. TYPICAL NON-LOAD BEARING PARTITION TYPES REFLECT DESIGN INTENT, CONFIGURATIONS, TERMINATION AND PROFILES OF WALLS.

B. WALL FINISHES ARE NOT SHOWN AND SPECIFIED ELSEWHERE.

C. WALL FRAMING MEMBERS ARE MINIMUMS UNLESS LARGER MEMBERS ARE REQUIRED DUE TO HEIGHT AND SPAN LIMITATIONS. REFER TO TYPICAL NON-LOAD BEARING WALL DETAILS.

D. WALL FRAMING SPACING ARE MINIMUMS UNLESS LARGER MEMBERS ARE REQUIRED DUE TO HEIGHT AND SPAN LIMITATION. REFER TO TYPICAL NON-LOAD BEARING WALL DETAILS.

E. BLOCKING OR BACKING PLATES SHALL BE PROVIDED TO SUPPORT ALL PRODUCTS ATTACHED TO WALLS AFTER COMPLETION OF FINISH SURFACE, INCLUDING BUT NOT LIMITED TO TOILET AND BATH ACCESSORIES, PLUMBING AND ELECTRICAL FIXTURES, CASEWORK, HANDRAILS, EQUIPMENT AND FURNISHINGS.

F. MOLD RESISTANT GYPSUM BOARD (GLASS MAT FACED OR MOLD RESISTANT PAPER FACED PRODUCTS) IS REQUIRED AT PLUMBING WALLS AND WET LOCATIONS SUCH AS TOILET ROOMS, UTILITY ROOMS, JANITOR ROOMS, AND OTHER WET LOCATIONS.

G. MOLD RESISTANT GYPSUM BOARD (GLASS MAT FACED OR MOLD RESISTANT PAPER FACED PRODUCTS) IS REQUIRED WHENEVER BOARD IS BEING INSTALLED BEFORE THE BUILDING IS ENCLOSED AND CONDITIONED.

H. TILE BACKING BOARD FOR WET AREAS SHALL BE GLASS MAT FACED BOARD UNLESS NOTED OTHERWISE.

I. TILE BACKING BOARD FOR NON WET AREAS SHALL BE WATER RESISTANT GYPSUM BACKING BOARD.

J. ALL TOP OF FULL HEIGHT WALLS SHALL ACCOMMODATE A MINIUM OF 1/2" DEFLECTION.

K. ALL PARTIAL HEIGHT WALLS SHALL BE BRACED TO RESIST LATERAL LOADS IN ACCORDANCE WITH CODE. REFER TO TYPICAL NON-LOAD BEARING WALL DETAILS.

L. ALL LOW WALLS SHALL BE BRACED OR STIFFENED INTERNALLY. REFER TO TYPICAL NON-LOAD BEARING WALL DETAILS.

M. ALL FIRE RATED ASSEMBLIES SHALL BE CONSTRCUTED IN ACCORDANCE WITH THEIR LISTED ASSEMBLIES.

N. ALL SOUND RATED ASSEMBLIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THEIR LISTED ASSEMBLIES.

O. ALL PENETRATION THROUGH FIRE RATED ASSEMBLIES SHALL BE FIRE STOPPED IN ACCORDANCE WITH FIRE LIFE SAFETY DRAWINGS AND THEIR LISTED ASSEMBLIES.

P. ALL FIRE RESISTIVE JOINTS IN WALL INCLUDING BUT NOT LIMITED TO HEAD OF WALL AND WALL TO FLOOR SHALL BE CONSTRUCTED IN ACCORDANCE WITH THEIR LISTING. REFER TO FIRE LIFE SAFETY DRAWINGS FOR LISTED ASSEMBLIES.

Q. ALL SHAFT WALLS SHALL BE PROVIDE WITH ACOUSTIC ATTENUATION, SOUND BATT INSULATION.

1. ACCEPTABLE LIGHT GAUGE METAL FRAMING MANUFACTURERS:

| MANUFACTURER | ICC EVALUATION REPORT NUMBER |
|---|---|
| CLARK DIETRICH | ESR-1166P |
| MARINO/WARE | ESR-2620 |
| CEMCO METAL FRAMING | ESR-3016 |
| CERTIFIED STEEL STUD ASSOCIATION (CSSA)* | ESR-3016 |
| STEEL STUD MANUFACTURERS ASSOCIATION (SSMA)* | ESR-3064P |

*ANY MANUFACTURERS LISTED AND APPROVED TEST EVALUATION REPORT AND REPORT HOLDER

2. PROVIDED MINIMUM 20 GAUGE - 0.0329 INCH STUDS - UNLESS HEAVIER GAUGE IS NECESSARY ACCORDING TO THE PUBLISHED TABLES OF THE MANUFACTURERS ICC EVALUATION REPORT.

3. INSTALL STUDS AT 16 INCHES ON CENTER TYPICALLY, UNLESS OTHERWISE INDICATED - DO NOT SPLICE STUDS. PROVIDE STUDS NOT MORE THAN 2 INCHES FROM EACH CORNER OF WALL OR ABUTTING CONSTRUCTION.

4. METAL STUD WALL BLOCKING OR BACKING PLATES: PROVIDE BACKING AS INDICATED
AND AS NECESSARY TO SUPPORT ALL PRODUCTS ATTACHED TO WALL AFTER COMPLETION OF FINISH SURFACE, INCLUDING TOILET AND BATCH ACCESSORIES PLUMBING AND ELECTRICAL FIXTURE, ELECTRICAL PANELS, TOILET PARTITIONS, CASEWORK, HARDWARE, HANDRAILS, TRIM, ETC.

5. BOTTOM TRACK: PLACE AND ALIGN TRACKS IN CONFIGURATIONS SHOWN - SECURE
TO STRUCTURE USING FASTENERS. FASTENERS: LOW VELOCITY SHOT PINS TO BE HILTI X-U OR X-GN OR EQUAL. ICC REPORT:EJR-2269 OR EJR-1752

6. DEFLECTION: ALL FULL HEIGHT INTERIOR NON-LOAD BEARING WALLS MUST HAVE A
1/2 INCH MINIMUM GAP - AFTER FLOOR OR ROOF LOADS ARE ADDED - FOR DEFLECTION BETWEEN TOP OF WALL AND STRUCTURE ABOVE.

7. INSTALL FRAMING IN ACCORDANCE W/ ASTM C754 AND AS FOLLOWS:

| METAL FRAMING BOX HEADER SCHEDULE (FOR USE AT NON-BEARING INTERIOR WALLS ONLY): | ASSEMBLY |
|---|---|
| UP TO 4'-0" | (2) 3 5/8" X 20 GA. BOXED HEADER |
| 4'-0" TO < 5'-6" | (2) 4" X 20 GA. BOXED HEADER |
| 5'-6" TO < 9'-0" | (2) 6" X 20 GA. BOXED HEADER |
| 9'-0" TO < 11'-6" | (2) 8" X 20 GA. BOXED HEADER |
| OVER 11'-6" | REFER TO HEADER DETAIL ON THIS DRAWING |

| HEIGHT LIMITATION SCHEDULE | | |
|---|---|---|
| WALL HEIGHT | SIZE | SPACING |
| UP TO 16'-0" | 3 5/8" x 20 GA. | 16" O.C. |
| UP TO 18'-0" | 4" x 20 GA. | 16" O.C. |
| UP TO 24'-0" | 6" x 20 GA. | 16" O.C. |

| BRACE LENGTHS | |
|---|---|
| BRACE LENGTH | SIZE |
| UP TO 6'-0" | 3 5/8" x 25 GA. |
| UP TO 12'-0" | 4" x 20 GA. |
| UP TO 16'-0" | 6" x 20 GA. |

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ISSUE DATE: 12.20.2024

| REV | DATE | COMMENT |
|---|---|---|

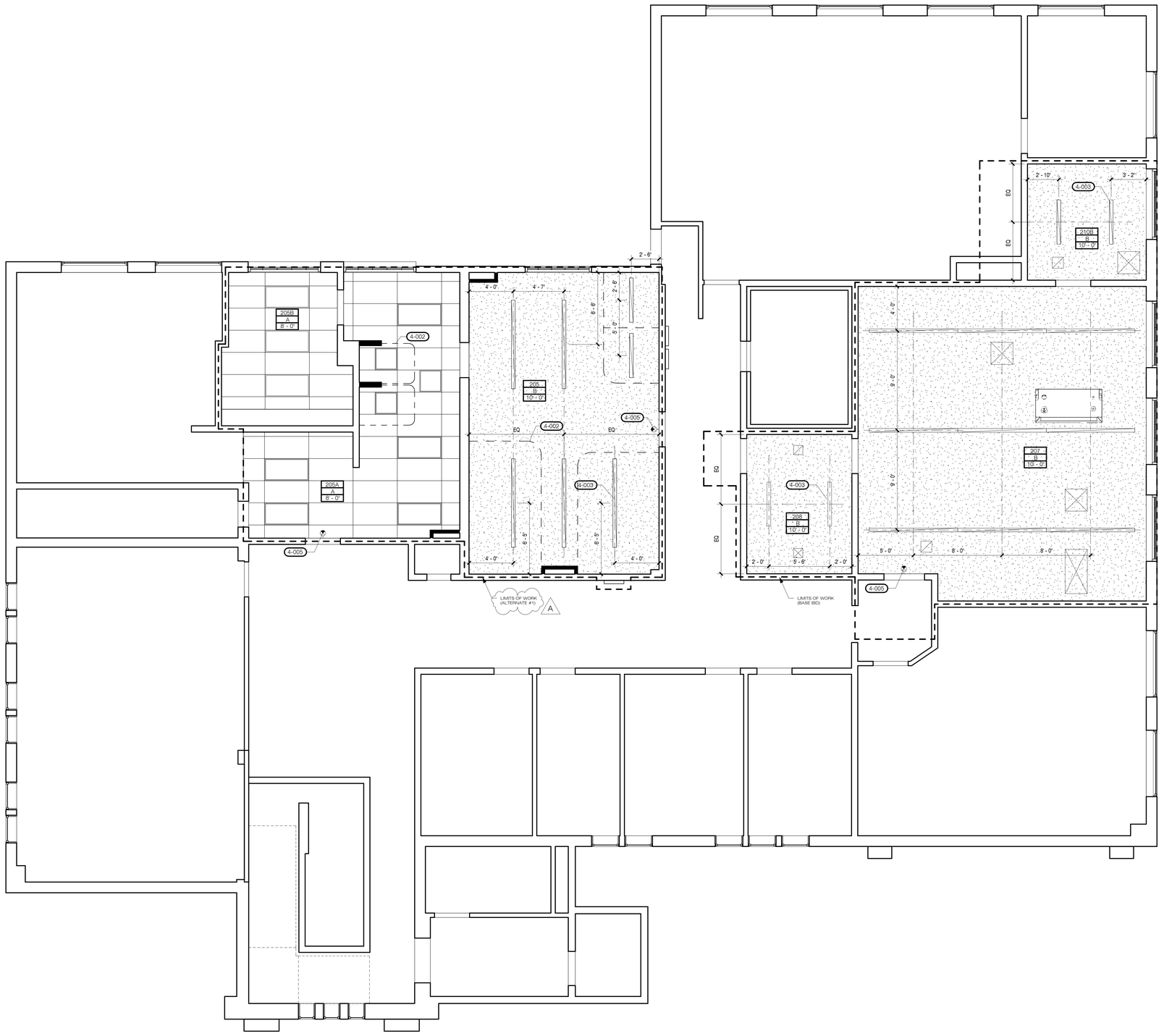
LICENSED ARCHITECT AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

PARTITION SCHEDULE AND DETAILS
FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844
UNIVERSITY OF IDAHO

TITLE | PROJECT | CLIENT

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

A2-40




## LEVEL 2 RCP

1/4" = 1'-0"

NORTH

## SHEET NOTES

HEIGHT REFERENCES ARE TAKEN FROM FINISH FLOOR ELEVATIONS. DIMENSIONS ARE TO CENTERLINE OF FIXTURES. CEILING TAGS WITHOUT LVL 0 (LEVEL 0) ARE TAKEN FROM LEVEL 1.

NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN FINSH SCHEDULE AND CEILING PLAN

MECHANICAL FIXTURES, LIGHT FIXTURES SHOWN ON THIS DRAWING ARE FOR LOCATIONS ONLY. NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN MECHANICAL AND ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT.

CENTER ALL FIXTURE AND REGISTERS IN LAY-IN CEILING TILES U.N.O. FIXTURE SHALL BE SUPPORTED INDEPENDENTLY FROM SUSPENDED CEILING.

THE GENERAL CONTRACTOR SHALL COORDINATE FIRE SPRINKLER HEAD LOCATIONS WITH MECHANICAL AND ELECTRICAL ITEMS. ALL HEADS SHALL BE CENTERED IN CEILING TILES, WHERE OCCURS.

ALL OSCI (OWNER SUPPLIED - CONTRACTOR INSTALLED) FIXTURES TO BE COORDINATED WITH INTERIOR DESIGNER AND CONTRACTOR FOR INSTALLATION REQUIREMENTS AND HEIGHTS PRIOR TO ROUGH IN OF CONNECTIONS.

## CEILING TYPES

| SYMBOL | CEILING DESCRIPTION |
|---|---|
| XXX<br>X<br>#' - #" | ROOM NUMBER (OA INDICATES OUTSIDE AREA)<br>CEILING TYPE<br>CEILING HEIGHT<br>(INDICATES HEIGHT ABOVE FINISHED FLOOR) |

TYPES:

A.: 2x4' ACT CEILING

B.: EXISTING GYPSUM CEILING

## CEILING FIXTURE LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 2'X4' LAY-IN LIGHT FIXTURE |
| | PENDANT LED LIGHT FIXTURE |
| | RECESSED CAN LIGHT FIXTURE |
| | SUPPLY AIR DIFFUSER |
| | EXHAUST DIFFUSER |
| | RETURN AIR DIFFUSER |
| | WALL EXIT SIGN |

## KEYNOTES

| | |
|---|---|
| 4-002 | CUBICLE CURTAIN TRACK |
| 4-003 | NEW LIGHT FIXTURES IN EXISTING GYPSUM CEILING, PATCH AND PAINT CEILING AS REQUIRED, REFER TO ELECTRICAL DRAWINGS |
| 4-005 | NEW EXIT SIGN, REFER TO ELECTRICAL DRAWINGS |

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ISSUE DATE: 12.20.2024

| REV | DATE | COMMENT |
|---|---|---|
| A | 1/31/2025 | Owner Revisions |




TITLE: REFLECTED CEILING PLAN

PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844

CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

A3-10

## SHEET NOTES

ALL TOPS OF PARAPETS TO BE PROVIDED WITH POSITIVE SLOPE TOWARDS ROOF FOR ADEQUATE DRAINAGE.

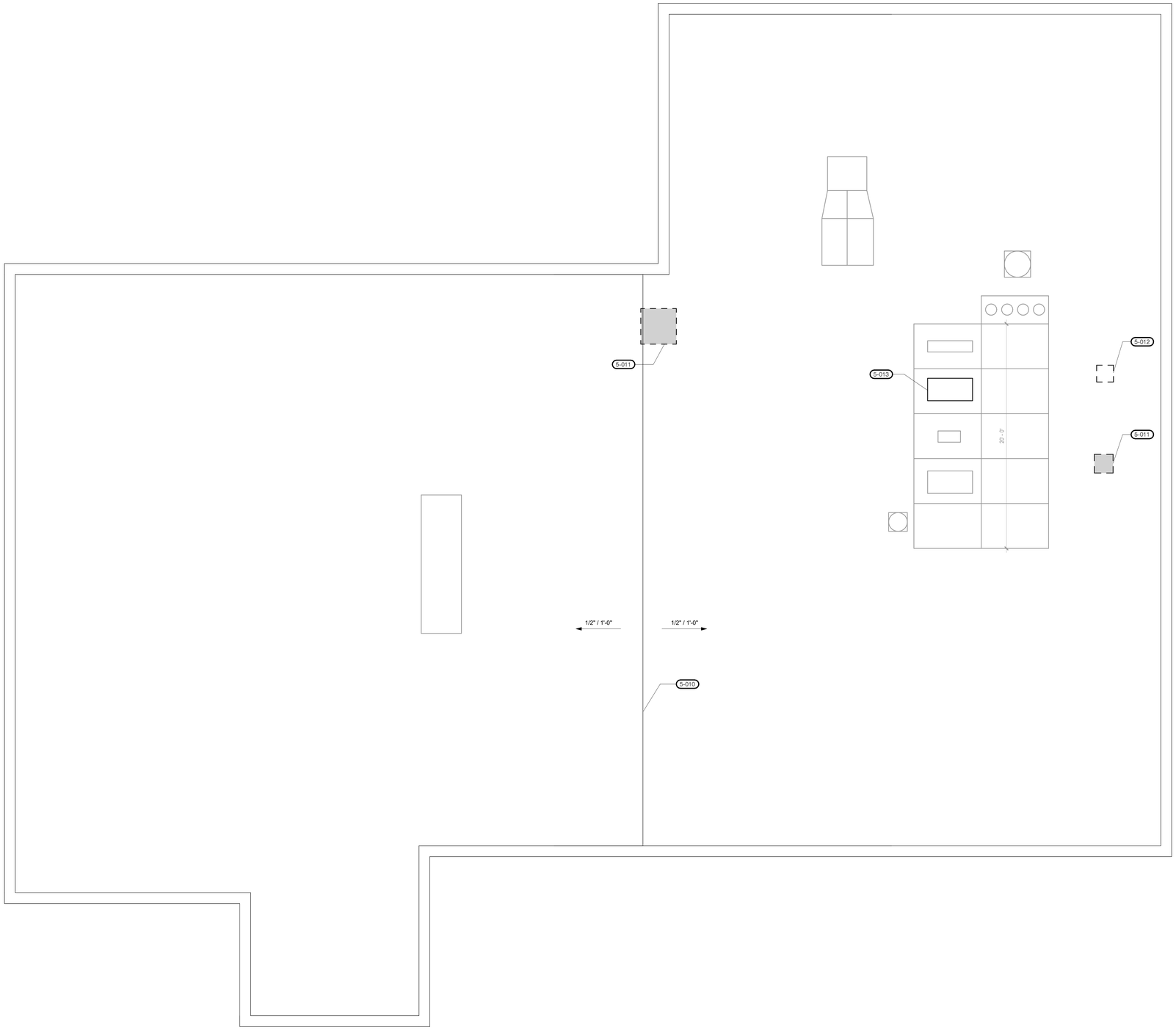
ALL FLASHING, COUNTER FLASHING, AND SHEET METAL WORK TO CONFORM WITH THE MINIMUM STANDARDS OF THE LATEST EDITION OF THE SMACNA MANUAL.

ALL MECHANICAL AND ELECTRICAL PENETRATIONS OF THE ROOF SHALL MEET WITH ROOFING MANUFACTURER'S RECOMMENDATIONS TO MAINTAIN INTEGRITY OF ROOFING SYSTEM.

SEE XX/X.XX FOR TYPICAL ROOF PENETRATION CLEARANCES.

## ROOF PLAN NOTES

| | |
|---|---|
| 5-010 | EXISTING RIDGE |
| 5-011 | INFILL HOLE AND PATCH BUILT UP ROOF AS REQUIRED TO MATCH EXISTING |
| 5-012 | EXISTING OPENING TO BE REUSED FOR NEW FUME HOOD DUCT |
| 5-013 | EXISTING MAKEUP AIR UNIT TO BE REPLACED WITH NEW 1900 CFM HEAT PUMP ROOFTOP UNIT (4.5 TONS) |

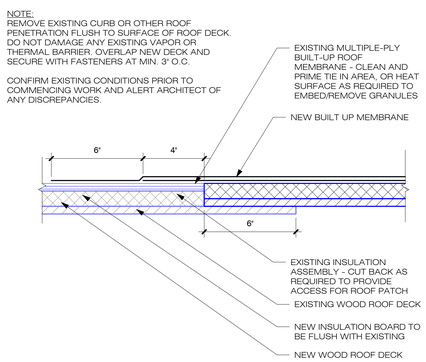



NORTH

ROOF PLAN
1/4" = 1'-0"

NOTE:
REMOVE EXISTING CURB OR OTHER ROOF PENETRATION FLUSH TO SURFACE OF ROOF DECK. DO NOT DAMAGE ANY EXISTING VAPOR OR THERMAL BARRIER. OVERLAP NEW DECK AND SECURE WITH FASTENERS AT MIN. 3" O.C.

CONFIRM EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND ALERT ARCHITECT OF ANY DISCREPANCIES.




2 BUILT-UP MEMBRANE PATCH
3" = 1'-0"

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ISSUE DATE: 12.20.2024

| REV | DATE | COMMENT |
|---|---|---|

LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

TITLE: ROOF PLAN
PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844
CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

A4-10

## ROOM FINISH SCHEDULE

| RM NO. | NAME | BASE | FLOOR | WALLS | CEILING | REMARKS |
|---|---|---|---|---|---|---|
| 203 | METABOLIC KITCHEN | COVED VINYL | SHEET VINYL | PAINTED GYP | LAY IN ACT | REMOVE (DEMOLISH) ALL VCT FLOORING AND MASTIC. ABATE AS REQUIRED. REMOVE (DEMOLISH) EXISTING ACT CEILING TILES, PROTECT GRID IN PLACE. REMOVE (DEMOLISH) FLORESCENT 2X4 LIGHT FIXTURES IN PLACE, PREPARE CONNECTIONS FOR NEW LIGHTING IN SAME LOCATIONS. CLEAR WALLS OF SURFACE MOUNTED CONDUITS AND PIPING WHERE POSSIBLE. PATCH AND REPAIR WALLS. |
| 203A | STORAGE ROOM | COVED VINYL | SHEET VINYL | PAINTED GYP | LAY IN ACT | REMOVE (DEMOLISH) ALL CARPET COMPLETE. ABATE AS REQUIRED. REMOVE (DEMOLISH) EXISTING ACT CEILING TILES, PROTECT GRID IN PLACE. REMOVE (DEMOLISH) FLORESCENT 2X4 LIGHT FIXTURES IN PLACE, PREPARE CONNECTIONS FOR NEW LIGHTING IN SAME LOCATIONS. CLEAR WALLS OF SURFACE MOUNTED CONDUITS AND PIPING WHERE POSSIBLE. |
| 205 | BODY COMPOSITION LABORATORY | COVED VINYL | SHEET VINYL | PAINTED GYP | PAINTED GYP (PT-1) | REMOVE (DEMOLISH) ALL VCT FLOORING AND MASTIC. ABATE AS REQUIRED. PATCH AND REPAIR GYPSUM CEILINGS AS REQUIRED. REMOVE (DEMOLISH) LINEAR PENDANT FLORESCENT LIGHT FIXTURES IN PLACE, PREPARE CONNECTIONS FOR NEW LIGHTING IN SAME LOCATIONS. CLEAR WALLS OF SURFACE MOUNTED CONDUITS AND PIPING WHERE POSSIBLE. PATCH AND REPAIR WALLS. |
| 205A | LOBBY AND READY ROOM | COVED VINYL | SHEET VINYL | PAINTED GYP | LAY IN ACT | REMOVE (DEMOLISH) ALL VCT FLOORING AND MASTIC. ABATE AS REQUIRED. REMOVE (DEMOLISH) EXISTING ACT CEILING TILES, PROTECT GRID IN PLACE. REMOVE (DEMOLISH) FLORESCENT 2X4 LIGHT FIXTURES IN PLACE, PREPARE CONNECTIONS FOR NEW LIGHTING IN SAME LOCATIONS. CLEAR WALLS OF SURFACE MOUNTED CONDUITS AND PIPING WHERE POSSIBLE. PATCH AND REPAIR WALLS. |
| 205B | RESTING METABOLIC RATE LABORATORY | COVED VINYL | SHEET VINYL | PAINTED GYP | LAY IN ACT | REMOVE (DEMOLISH) ALL VCT FLOORING AND MASTIC. ABATE AS REQUIRED. REMOVE (DEMOLISH) EXISTING ACT CEILING TILES, PROTECT GRID IN PLACE. REMOVE (DEMOLISH) FLORESCENT 2X4 LIGHT FIXTURES IN PLACE, PREPARE CONNECTIONS FOR NEW LIGHTING IN SAME LOCATIONS. CLEAR WALLS OF SURFACE MOUNTED CONDUITS AND PIPING WHERE POSSIBLE. PATCH AND REPAIR WALLS. |
| 207 | WET CHEMISTRY LABORATORY | COVED VINYL | SHEET VINYL | PAINTED GYP | PAINTED GYP (PT-1) | REMOVE (DEMOLISH) ALL VCT FLOORING AND MASTIC. ABATE AS REQUIRED. PATCH AND REPAIR GYPSUM CEILINGS AS REQUIRED. REMOVE (DEMOLISH) LINEAR PENDANT FLORESCENT LIGHT FIXTURES IN PLACE, PREPARE CONNECTIONS FOR NEW LIGHTING IN SAME LOCATIONS. CLEAR WALLS OF SURFACE MOUNTED CONDUITS AND PIPING WHERE POSSIBLE. PATCH AND REPAIR WALLS. |
| 208 | OFFICE AND COMPUTER LAB | RUBBER BASE | SHEET VINYL | PAINTED GYP | PAINTED GYP (PT-1) | REMOVE (DEMOLISH) ALL CARPET COMPLETE. ABATE AS REQUIRED. PATCH AND REPAIR GYPSUM CEILINGS AS REQUIRED. REMOVE (DEMOLISH) LINEAR PENDANT FLORESCENT LIGHT FIXTURES IN PLACE, PREPARE CONNECTIONS FOR NEW LIGHTING IN SAME LOCATIONS. CLEAR WALLS OF SURFACE MOUNTED CONDUITS AND PIPING WHERE POSSIBLE. PATCH AND REPAIR WALLS. |
| 210B | BSC ROOM | COVED VINYL | SHEET VINYL | PAINTED GYP | PAINTED GYP (PT-1) | REMOVE (DEMOLISH) ALL VCT FLOORING AND MASTIC. ABATE AS REQUIRED. PATCH AND REPAIR GYPSUM CEILINGS AS REQUIRED. REMOVE (DEMOLISH) LINEAR PENDANT FLORESCENT LIGHT FIXTURES IN PLACE, PREPARE CONNECTIONS FOR NEW LIGHTING IN SAME LOCATIONS. CLEAR WALLS OF SURFACE MOUNTED CONDUITS AND PIPING WHERE POSSIBLE. PATCH AND REPAIR WALLS. |

## FINISH LEGEND

MANUFACTURER: STYLE/MODEL - COLOR

ACOUSTICAL CEILING TILE
ACT-1 — ARMSTRONG: CLEAN ROOM FL - WHITE, 24" X 48" X 3/4"

PAINT
PT-1 — DUNN EDWARDS: DEHW02 - WHITE DAISY (FLAT) - CEILING PAINT
PT-2 — DUNN EDWARDS: DEW381 - DROPLETS (EGGSHELL) - FIELD PAINT
PT-3 — DUNN EDWARDS: DE5346 - QUACK QUACK (EGGSHELL) - ACCENT PAINT

SOLID SURFACE
SS-1 — DURCON: CLASSIC TOP 1" EPOXY COUNTER - BLACK ONYX

PLASTIC LAMINATE
PLAM-1 — FORMICA: COMMERCIAL LAMINATE - 459 BRITE WHITE (MATTE)

SHEET VINYL
SV-1 — TARKETT: iQ OPTIMA - ANGEL KISS 0262

CUBICLE CURTAIN
CC-1 — INPRO: SHIELD BY PANAZ, ARRAY - BAMBOO

EDGING STRIP
ES-1 — JOHNSONITE: CTA-08-D 5/16" TO 1/16" - PLATINUM

WINDOW SHADE
WS-1 — MECHOSHADE: MECHO/5 SOHO 1900 SERIES - CORNSILK 1902

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ISSUE DATE: 12.20.2024

| REV | DATE | COMMENT |
|---|---|---|

LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

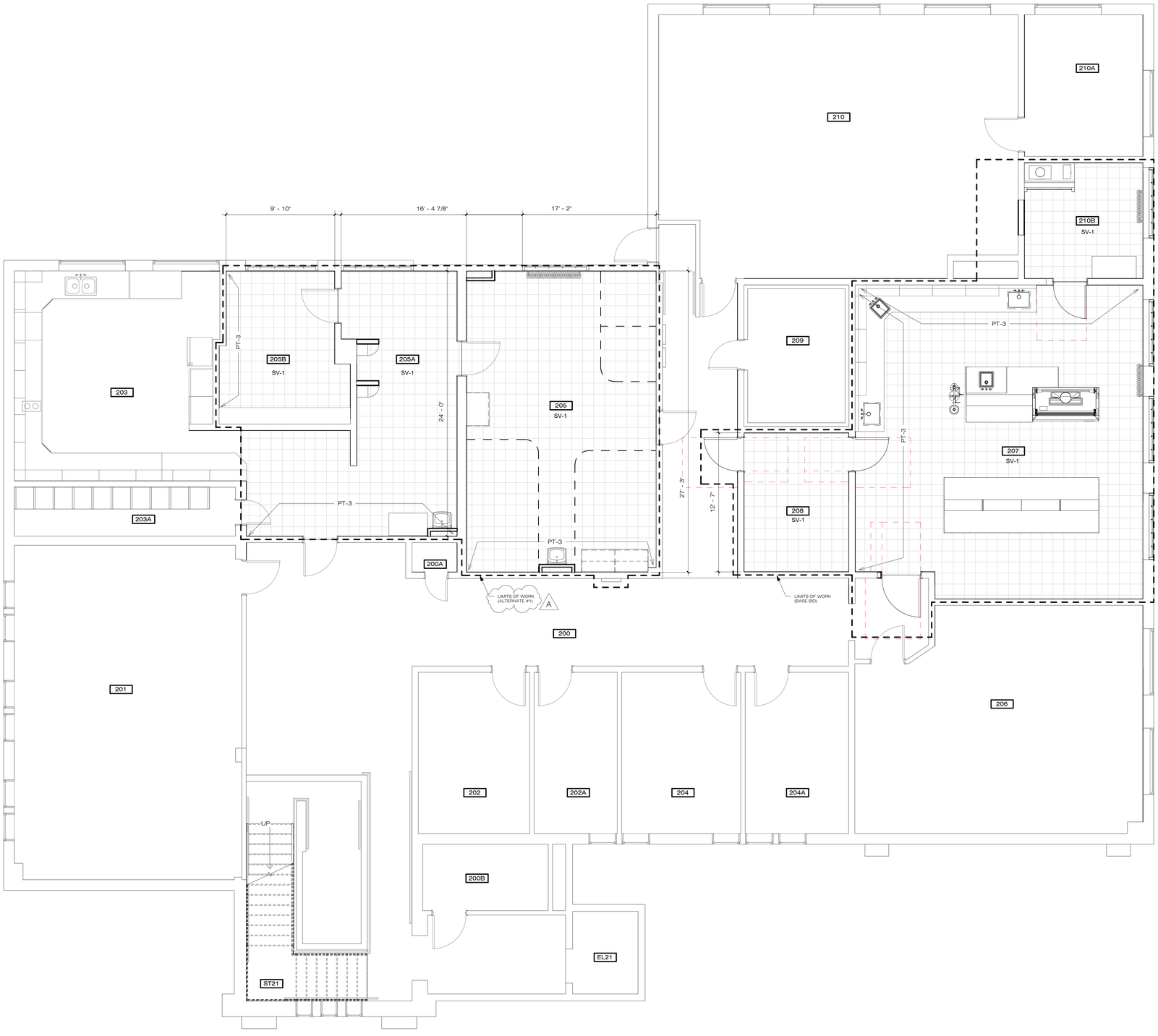
TITLE: ROOM FINISH SCHEDULE
PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844
CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

A10-10

## FINISH PLAN LEGEND

SV-1




NORTH

## LEVEL 2 FINISH PLAN

1/4" = 1'-0"

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ISSUE DATE: 12.20.2024

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|---|---|---|
| A | 1/31/2025 | Owner Revisions |

LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

TITLE: FINISH PLAN

PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844

CLIENT: UNIVERSITY OF IDAHO

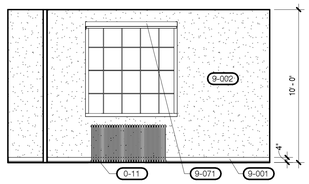
JOB NO: 240004
CAPITAL PROJECT NO: CP220034

A10-20

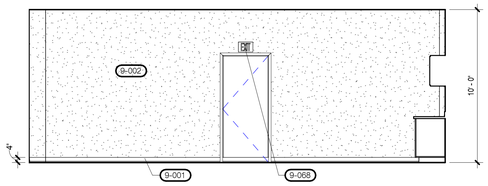
## INTERIOR ELEVATION NOTES

| | |
|---|---|
| 0-11 | EXISTING RADIATOR TO REMAIN, PROTECT IN PLACE. |
| 9-001 | SV-1 COVED VINYL WALL BASE. |
| 9-002 | PAINTED GYP., PT-2. |
| 9-003 | EXISTING CASEWORK TO REMAIN, REPAIR AND LEVEL DOORS AND HARDWARE AS REQUIRED. |
| 9-008 | NEW BUILT IN CASEWORK. |
| 9-066 | NEW SINK, REFER TO PLUMBING DRAWINGS. |
| 9-067 | NEW COUNTER, SS-1. |
| 9-068 | NEW EXIT SIGN, REFER TO ELECTRICAL DRAWINGS. |
| 9-069 | OUTLINE OF EXISTING WINDOW ABOVE CEILING PLAN. |
| 9-071 | ADD/ALT NO. 4: NEW WINDOWSHADE, WS-4. |

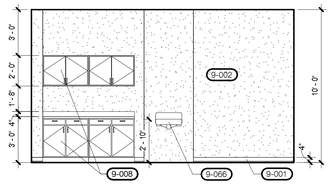
A



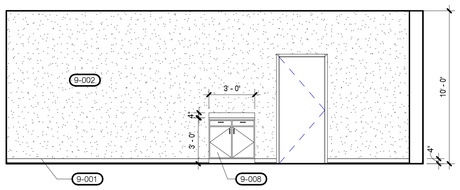

1 BODY COMPOSITION LABORATORY 205 - A
1/4" = 1'-0"



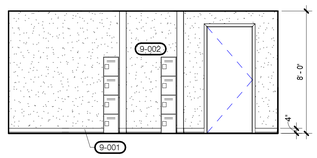

2 BODY COMPOSITION LABORATORY 205 - B
1/4" = 1'-0"



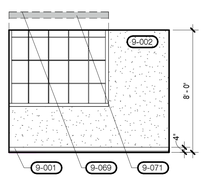

3 BODY COMPOSITION LABORATORY 205 - C
1/4" = 1'-0"



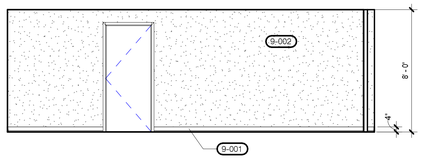

4 BODY COMPOSITION LABORATORY 205 - D
1/4" = 1'-0"



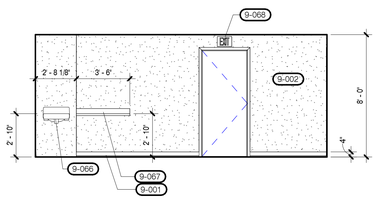

5 LOBBY AND READY ROOM 205A - A
1/4" = 1'-0"



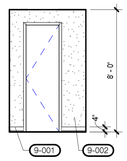

6 LOBBY AND READY ROOM 205A - B
1/4" = 1'-0"



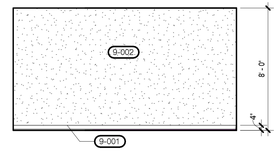

7 LOBBY AND READY ROOM 205A - C
1/4" = 1'-0"



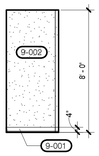

8 LOBBY AND READY ROOM 205A - D
1/4" = 1'-0"



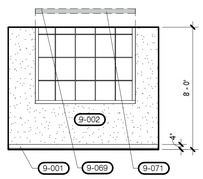

9 LOBBY AND READY ROOM 205A - E
1/4" = 1'-0"



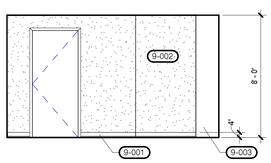

10 LOBBY AND READY ROOM 205A - F
1/4" = 1'-0"



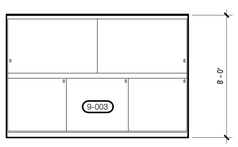

11 LOBBY AND READY ROOM 205A - G
1/4" = 1'-0"



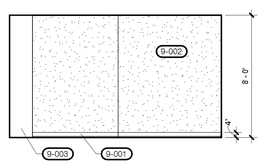

12 RESTING METABOLIC RATE LABORATORY 205B - A
1/4" = 1'-0"




13 RESTING METABOLIC RATE LABORATORY 205B - B
1/4" = 1'-0"




14 RESTING METABOLIC RATE LABORATORY 205B - C
1/4" = 1'-0"




15 RESTING METABOLIC RATE LABORATORY 205B - D
1/4" = 1'-0"

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| A | 1/31/2025 | Owner Revisions |

LICENSED ARCHITECT AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

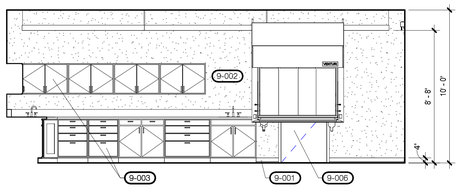
TITLE: INTERIOR ELEVATIONS
PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844
CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

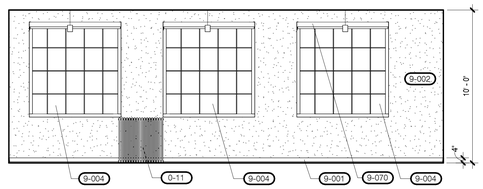
A10-30

## INTERIOR ELEVATION NOTES

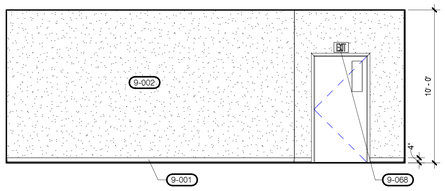
| | |
|---|---|
| 0-11 | EXISTING RADIATOR TO REMAIN, PROTECT IN PLACE. |
| 9-001 | SV-1 COVED VINYL WALL BASE. |
| 9-002 | PAINTED GYP., PT-2. |
| 9-003 | EXISTING CASEWORK TO REMAIN, REPAIR AND LEVEL DOORS AND HARDWARE AS REQUIRED. |
| 9-004 | ADD/ALT NO. 3: NEW WINDOW IN EXISTING OPENING, SEE SHEET A11-20. |
| 9-005 | NEW DOOR AND FRAME IN EXISTING OPENING. |
| 9-006 | NEW FRAMED OPENING. |
| 9-010 | NEW PENDANT LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS. |
| 9-065 | EXISTING RADIATOR TO REMAIN. |
| 9-068 | NEW EXIT SIGN, REFER TO ELECTRICAL DRAWINGS. |
| 9-070 | NEW WINDOWSHADE, WS-1. |



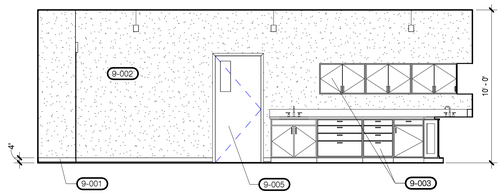

1 WET CHEMISTRY LABORATORY 207 - A
1/4" = 1'-0"



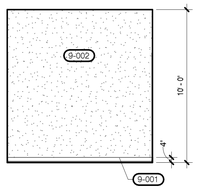

2 WET CHEMISTRY LABORATORY 207 - B
1/4" = 1'-0"



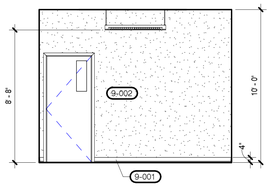

3 WET CHEMISTRY LABORATORY 207 - C
1/4" = 1'-0"



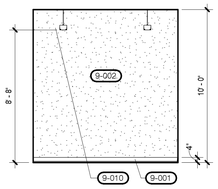

4 WET CHEMISTRY LABORATORY 207 - D
1/4" = 1'-0"



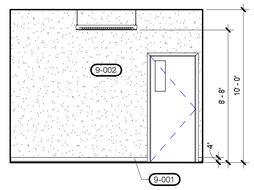

5 OFFICE AND COMPUTER LAB 208 - A
1/4" = 1'-0"



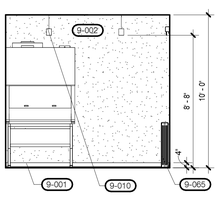

6 OFFICE AND COMPUTER LAB 208 - B
1/4" = 1'-0"



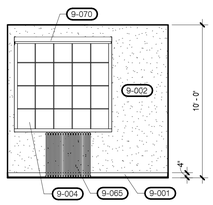

7 OFFICE AND COMPUTER LAB 208 - C
1/4" = 1'-0"



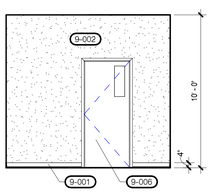

8 OFFICE AND COMPUTER LAB 208 - D
1/4" = 1'-0"



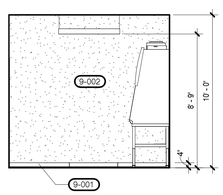

9 ROOM 210B - A
1/4" = 1'-0"




10 ROOM 210B - B
1/4" = 1'-0"




11 ROOM 210B - C
1/4" = 1'-0"




12 ROOM 210B - D
1/4" = 1'-0"

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| A | 1/31/2025 | Owner Revisions |

LICENSED ARCHITECT
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ERIC MATTHEW ROBERTS
STATE OF IDAHO
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TITLE: INTERIOR ELEVATIONS
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860 IDAHO AVE, MOSCOW, ID 83844
CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

A10-31

## DOOR SCHEDULE ABBREVIATIONS AND GENERAL NOTES

DOOR TYPES

AE = AUTOMATIC ENTRANCE DOOR
AFD = ACCORDIAN FOLDING DOOR
AFG = ACCORDIAN FOLDING GRILLE
AFP = ACCORDIAN FOLDING PARTITION
BI = BI-FOLD
CS = COUNTER SHUTTER
D = DUTCH
DAT = DOUBLE ACTING TRAFFIC DOOR
F = FLUSH
FFD = FOLDING FIRE DOOR
FG = FOLDING GLASS DOOR
FL = FULL LIGHT
FPP = FOLDING PANEL PARTITION
HL = HALF LIGHT
IA = INTEGRATED DOOR OPENING ASSEMBLY
ICU = INTENSIVE CARE UNIT DOOR
NL = NARROW LIGHT
OCD = OVERHEAD COILING DOOR
OSD = OVERHEAD SECTIONAL DOOR
PO = POCKET DOOR
RDE = REVOLVING DOOR ENTRANCE
SG = SLIDING GLASS DOOR
SMG = SLIDING METAL GRILLE
VL = VISION LIGHT
2P = TWO PANEL
4P = FOUR PANEL
6P = SIX PANEL
8P = EIGHT PANEL

(FL) = FULL LOUVER
(L) = LOUVER, BOTTOM
(LL) = LOUVER, TOP & BOTTOM

DOOR MATERIALS

ALUM = ALUMINUM
CWD = CLAD WOOD DOOR
FG = FIBER GLASS
GLD = LEADED GLASS
GLF = FIRE RATED, SAFETY GLASS
GLI = INSULATED UNIT, SAFETY GLASS
GLL = 1/2" LAMINATED GLASS
GLS = 1/4" SAFETY GLASS
HM = HOLLOW METAL
WD = WOOD
WDSR = WOOD, STILE, & RAIL

(LE) = LEAD LINED

DOOR FINISH

AMV/AMV-1 = ACRYLIC MODIFIED VINYL
CLA = CLEAR ANODIZED
COA/COA-1 = COLOR ANODIZED
FF/FF-1 = FACTORY FINISH
HPDL/HPDL-1 = HIGH PRESSURE DECORATIVE LAMINATE
LPDL/LPDL-1 = LOW PRESSURE DECORATIVE LAMINATE
PT/PT-1 = PAINT/PAINT COLOR
WVF/WVF-1 = WOOD VENEER FINISH

FRAME TYPES

ALUM = ALUMINUM FRAME
CW = CURTAIN WALL
FL = FRAMELESS
HMF = HOLLOW METAL FACTORY FINISHED
HMFA = HOLLOW METAL FACTORY FINISHED, APPLIED CASINGS
HMP = HOLLOW METAL PRIMED FOR PAINT
MFS = MANUFACTURERS SPECIFICATIONS/DETAILS
SF = STOREFRONT
-- = NOT SPECIFIED/NON-SPECIFIC

(LE) = LEAD LINED

FRAME FINISH

CLA = CLEAR ANODIZED
COA/COA-1 = COLOR ANODIZED
FF/FF-1 = FACTORY FINISHED
PT/PT-1 = PAINT/PAINT COLOR
-- = NOT SPECIFIED/NON-SPECIFIC

RATING

20 = 20 MINUTES
60 = 60 MINUTES
90 = 90 MINUTES
S = SMOKE AND DRAFT CONTROL
STC/STC-# = SOUND RETARDANT DOOR

GENERAL NOTES

A. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
B. DOOR OPERATING DEVICES SHALL BE LEVER OPERATED, PUSH TYPE OR U-SHAPED HANDLES PER ANSI A117.1
C. THE BOTTOM 10" OF ALL DOORS SHALL BE PROVIDED WITH A SMOOTH SURFACE TO ALLOW THE DOOR TO BE OPENED WITH A WHEELCHAIR FOOTREST PER ANSI A117.1
D. EXTERIOR HOLLOW METAL DOORS AND FRAMES SHALL BE PAINTED AS NOTED ON THE EXTERIOR ELEVATIONS AND ON THE INTERIOR SIDES AS NOTED PER THE DOOR SCHEDULE.
E. HARDWARE: ALL HARDWARE SHALL COMPLY WITH APPLICABLE PROVISIONS OF ADA STANDARDS AND ICC A117.1. REFER TO HARDWARE SETS FOR FINISH, DESCRIPTIONS, REQUIREMENTS FOR DESIGN, FUNCTION SIZE, OPERATION, AND MOUNTING LOCATIONS.
F. DOOR JAMB, HEAD AND SILL DETAILS AS INDICATED REFLECT DESIGN INTENT, LOCATIONS, AND PROFILES. DETAILS NOT SHOWN SHALL BE SIMILAR IN CHARACTER TO THOSE DETAILS. WHERE NOT CLEARLY DEFINED, CLARIFICATIONS SHALL BE REQUESTED BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
G. ALL EXTERIOR DOORS SHALL BE WEATHER STRIPPED
H. ALL THRESHOLDS PROVIDED SHALL BE A MAXIMUM OF 1/2" HEIGHT ABOVE FINISH FLOOR. SEE 10/G0-10.
I. ADJUST ALL DOORS NOT TO EXCEED TO THE MAXIMUM OPERATIONS EFFORT ALLOWED BY CODE.
J. UNLESS NOTED OTHERWISE, DOOR OPENINGS IN RATED WALL SHALL BE PROTECTED BY A TIGHT FITTING SMOKE AND DRAFT CONTROL ASSEMBLY. THE LABELED ASSEMBLY SHALL BE SELF. CLOSING OR AUTOMATIC CLOSING AND SHALL BE PROVIDED WITH A CONTINUOUS GASKET ALONG THE STOP AT THE DOOR JAMB AND HEAD.

## DOOR SCHEDULE

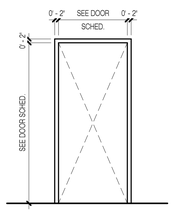
| DOOR | | | | | | FRAME | | | | | FIRE RATING | HDWR SET | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO. | SIZE | | DOOR TYPE | MATERIAL | FINISH | TYPE | FINISH | DETAIL | | | | | |
| | WIDTH | HEIGHT | | | | | | JAMB | HEAD | JAMB | | | |
| 207 | 3' - 6" | 7' - 0" | VL | WD | WVF | HMP | MATCH EXISTING | 2/A11-11 | 1/A11-11 | 2/A11-11 | NO RATING | 01 | CONTRACTOR TO MATCH EXISTING WOOD VENEER FINISH AND TO SUBMIT FINISH SAMPLE TO UI FOR APPROVAL |
| 208A | 3' - 0" | 7' - 0" | VL | WD | WVF | HMP | MATCH EXISTING | 2/A11-11 | 1/A11-11 | 2/A11-11 | NO RATING | 01 | CONTRACTOR TO MATCH EXISTING WOOD VENEER FINISH AND TO SUBMIT FINISH SAMPLE TO UI FOR APPROVAL |
| 208B | 3' - 0" | 7' - 0" | VL | WD | WVF | HMP | MATCH EXISTING | 2/A11-11 | 1/A11-11 | 2/A11-11 | NO RATING | 01 | CONTRACTOR TO MATCH EXISTING WOOD VENEER FINISH AND TO SUBMIT FINISH SAMPLE TO UI FOR APPROVAL |
| 210B | 3' - 0" | 7' - 0" | VL | WD | WVF | HMP | MATCH EXISTING | 2/A11-11 | 1/A11-11 | 2/A11-11 | NO RATING | 01 | CONTRACTOR TO MATCH EXISTING WOOD VENEER FINISH AND TO SUBMIT FINISH SAMPLE TO UI FOR APPROVAL |

HARDWARE SET 01:

| | | |
|---|---|---|
| (1) CLASSROOM LEVER | L9070 P | SCHLAGE |
| (3) HINGES | 5BB1HW | IVES |
| (1) DOOR CLOSER | LCN 4000 | ALLEGION |
| (1) DOOR STOP | 90 SERIES | GLYNN JOHNSON |

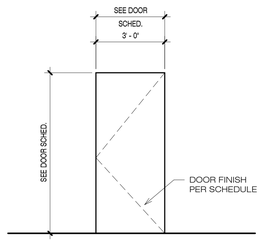
ALL HARDWARE REQUIRES REVIEW AND APPROVAL OF UNIVERSITY FACILITIES ACCESS CONTROL DEPARTMENT (FACD).

## FRAME TYPES

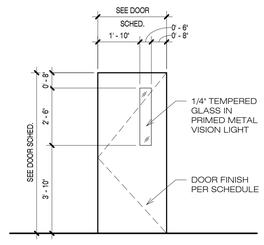



HMP

## DOOR TYPES




E

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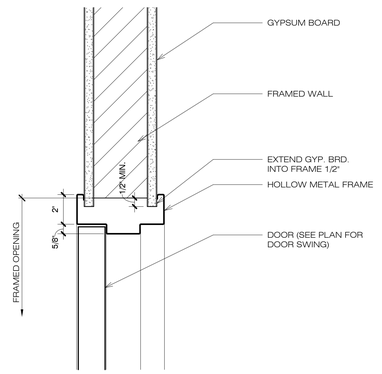
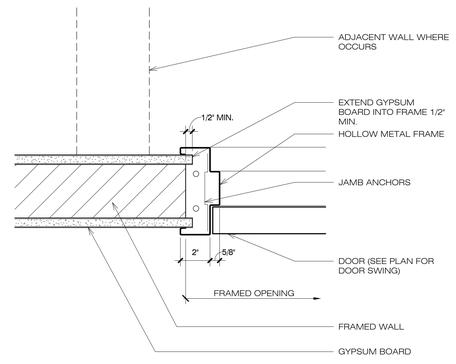



1 HEAD DETAIL
3" = 1'-0"




2 JAMB DETAIL
3" = 1'-0"

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LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

DOOR SCHEDULE, DOOR AND FRAME ABBREVIATIONS, AND DOOR DETAILS

TITLE

FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844

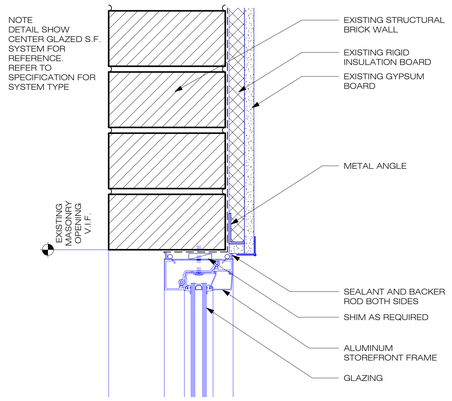
PROJECT

UNIVERSITY OF IDAHO

CLIENT

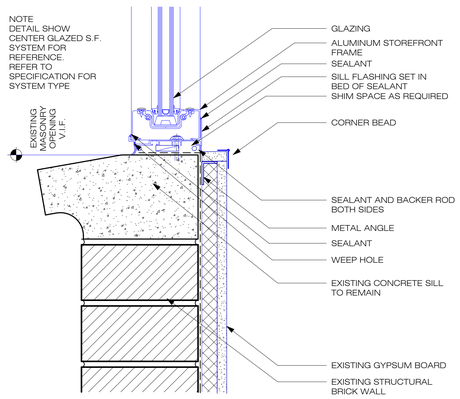
JOB NO: 240004
CAPITAL PROJECT NO: CP220034

A11-11



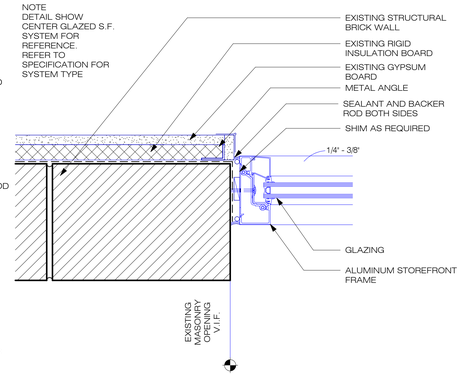

## 1 STOREFRONT HEAD-CMU

3" = 1'-0"




## 2 STOREFRONT SILL-CMU

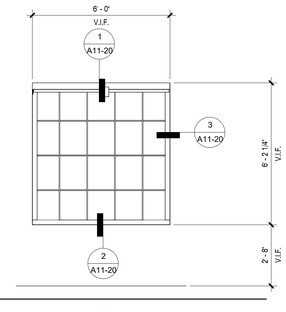
3" = 1'-0"




## 3 STOREFRONT JAMB-CMU

3" = 1'-0"

## WINDOW TYPES




A WINDOW REPLACEMENT TO BE ADD/ALT #3. MATCH LAYOUT OF NEW WINDOW MULLIONS TO EXISTING. VERIFY ALL DIMENSIONS IN FIELD.

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ARCHITECT
AR-986427
ERIC MATTHEW
ROBERTS
STATE OF IDAHO
02/05/2025

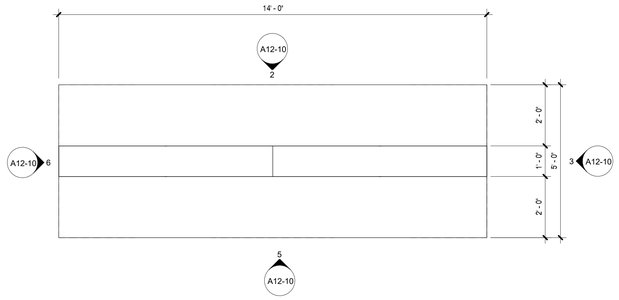
TITLE: WINDOW TYPES & DETAILS

PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844

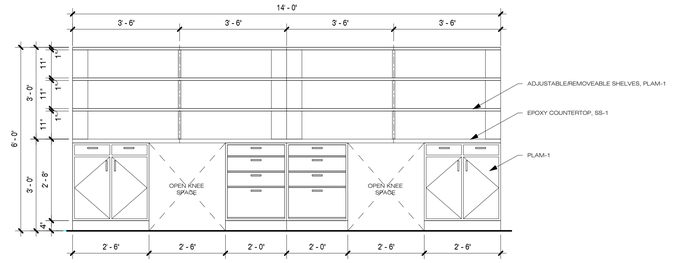
CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

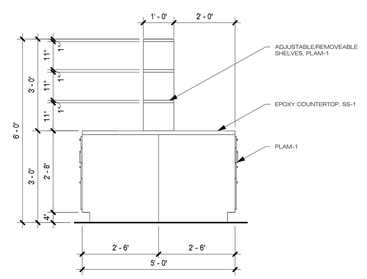
A11-20



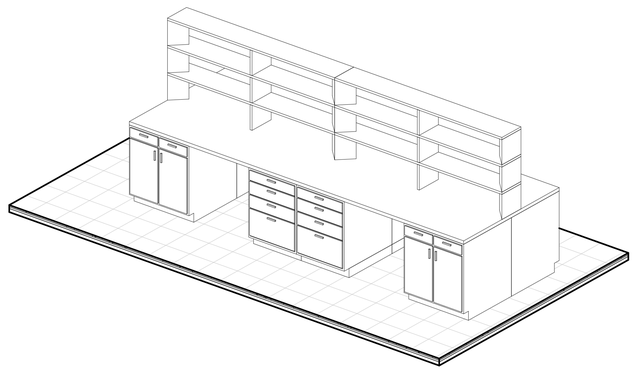

## 1 CASEWORK 1
1/2" = 1'-0"



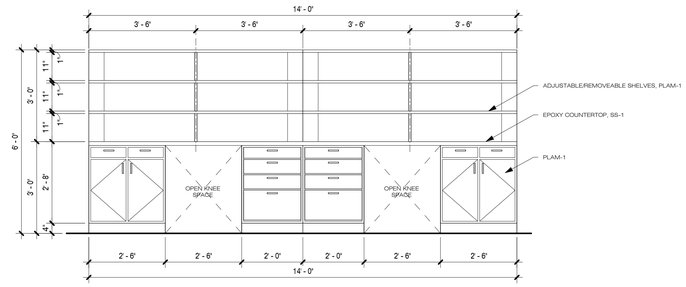

## 2 CASEWORK 1 - A
1/2" = 1'-0"



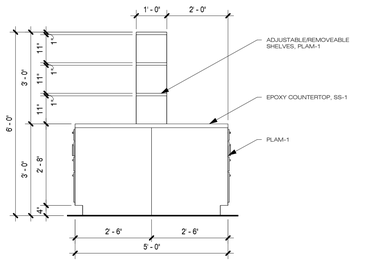

## 3 CASEWORK 1 - B
1/2" = 1'-0"



## 4 CASEWORK 1 ISO




## 5 CASEWORK 1 - C
1/2" = 1'-0"




## 6 CASEWORK 1 - D
1/2" = 1'-0"

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LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

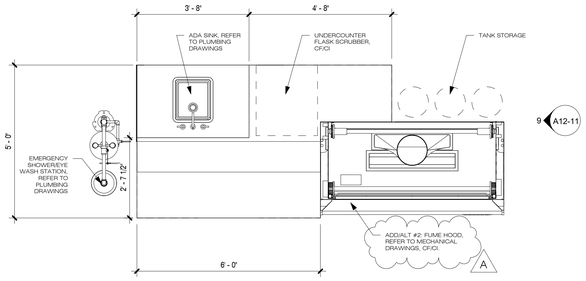
TITLE: CASEWORK

PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844

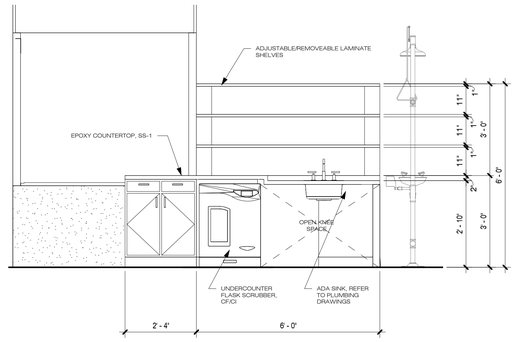
CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

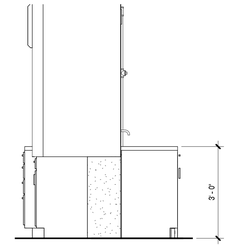
A12-10



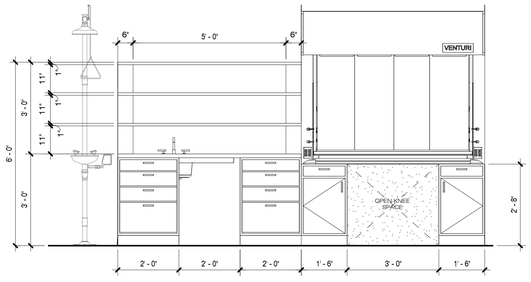

## 7 CASEWORK 2
1/2" = 1'-0"



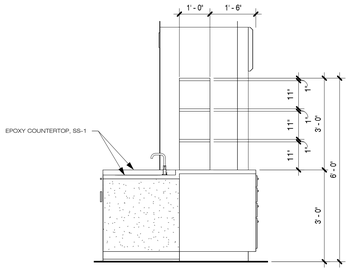

## 8 CASEWORK 2 - A
1/2" = 1'-0"



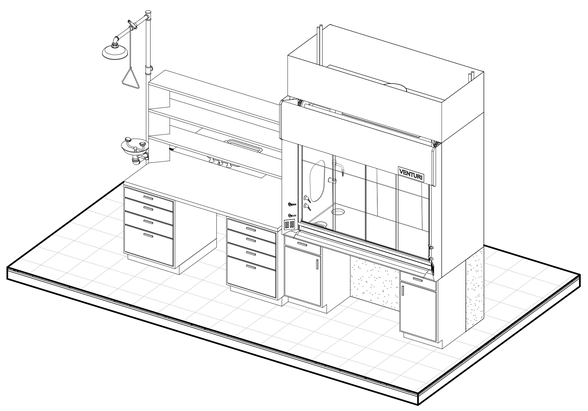

## 9 CASEWORK 2 - B
1/2" = 1'-0"



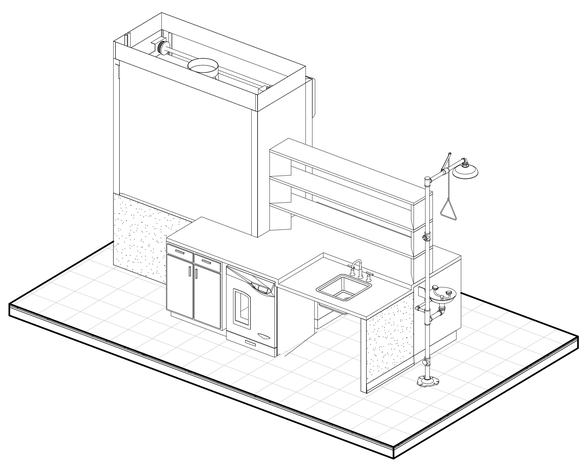

## 11 CASEWORK 2 - C
1/2" = 1'-0"




## 12 CASEWORK 2 - D
1/2" = 1'-0"




## 10 CASEWORK 2 ISO



## 1 CASEWORK 2 ISO

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LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

TITLE: CASEWORK

PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844

CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004
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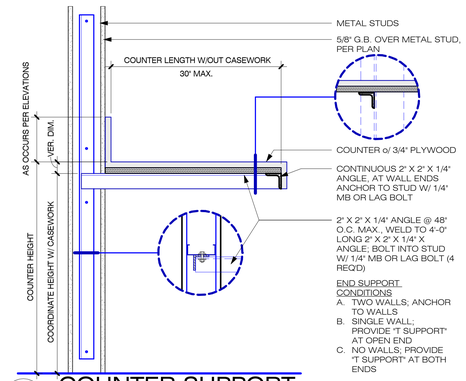
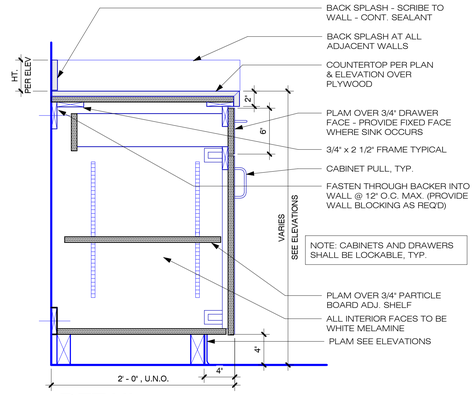
A12-11




1 COUNTER SUPPORT
1 1/2" = 1'-0"




2 DETAIL
1 1/2" = 1'-0"

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LICENSED ARCHITECT
AR-986427
ERIC MATTHEW ROBERTS
STATE OF IDAHO
02/05/2025

TITLE: CASEWORK DETAILS

PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)
860 IDAHO AVE, MOSCOW, ID 83844

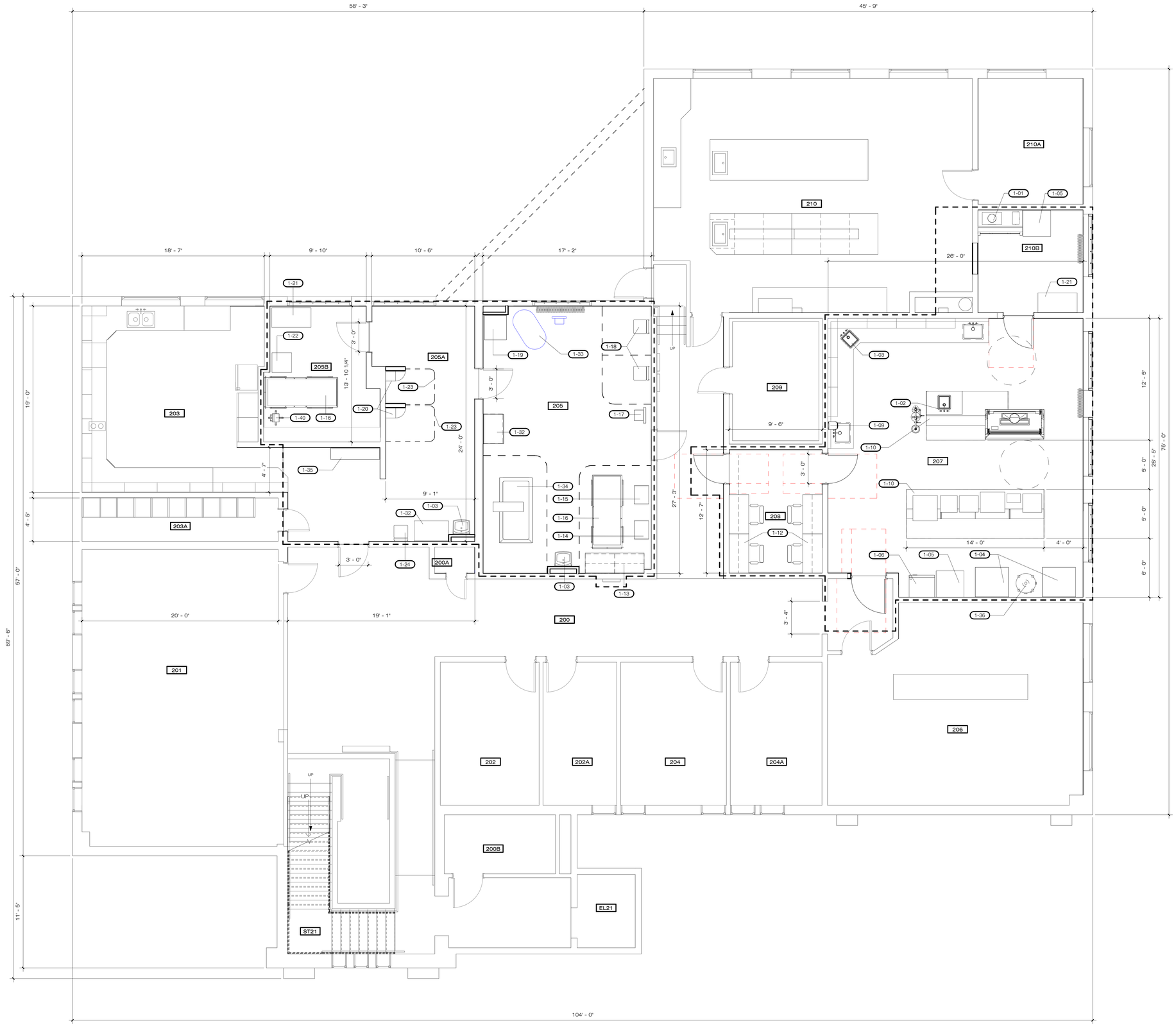
CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004
CAPITAL PROJECT NO: CP220034

A12-20

## KEYNOTES

| | |
|---|---|
| 1-01 | INSTALL NEW DUCTLESS BIO SAFETY CABINET WITH HEPA EXHAUST FILTER. |
| 1-02 | NEW SINK WITH NEW PLUMBING, CONNECT TO EXISTING DI SYSTEM. REFER TO PLUMBNG DRAWINGS. |
| 1-03 | NEW STAINLESS STEEL SINK AND FAUCET CONNECTED TO EXISTING PLUMBING. |
| 1-04 | FREE STANDING -80 DEGREE CELSIUS FREEZER WITH LN2 BACKUP SYSTEM, OF/OI. |
| 1-05 | FREE STANDING -20 DEGREE CELSIUS FREEZER, OF/OI. |
| 1-06 | FREE STANDING 4 DEGREE CELSIUS REFRIGERATOR, OF/OI. |
| 1-09 | WALL MOUNTED NANOPURE WATER PURIFICATION SYSTEM. |
| 1-10 | NEW COUNTER AND CASEWORK TO INCLUDE ADDITIONAL POWER TO SUPPORT ALL PROGRAM SPECIFIC LABORATORY EQUIPMENT. |
| 1-12 | NEW SYSTEM FURNITURE WORK/COMPUTER STATIONS, OF/OI. |
| 1-13 | NEW BUILT IN CASEWORK WITH CABINETS ABOVE. |
| 1-14 | MBAC (BIA) BODY COMPOSITION ANALYZER, OF/OI. |
| 1-15 | ULTRASOUND, OF/OI. |
| 1-16 | EXAM TABLE, OF/OI. |
| 1-17 | SCALE AND HEIGHT BOARD, OF/OI. |
| 1-18 | BLOOD DRAW CHAIR, OF/OI. |
| 1-19 | STACKABLE WASHER/DRYER, OF/OI. |
| 1-20 | STORAGE LOCKERS FOR PARTICIPANTS, CF/CI. |
| 1-21 | WORK TABLE, OF/OI. |
| 1-22 | END TABLE, OF/OI. |
| 1-23 | DRESSING ROOM CURTAIN. SEE RCP FOR CURTAIN TRACK. |
| 1-24 | LOBBY SEATING, OF/OI. |
| 1-32 | NEW BUILT IN CASEWORK. |
| 1-33 | BODPOD, OF/OI. |
| 1-34 | HORIZON DXA SYSTEM, OF/OI. |
| 1-35 | BOOK SHELF, OF/OI. |
| 1-36 | CO2 SUPPLY TANK (WALL MOUNT), OF/OI. |
| 1-40 | METABOLIC MONITOR, OF/OI. |




NORTH

# LEVEL 2 FURNITURE & EQUIPMENT PLAN (FOR REFERENCE ONLY)

1/4" = 1'-0"

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LICENSED ARCHITECT AR-986427

ERIC MATTHEW ROBERTS

STATE OF IDAHO

02/05/2025

TITLE: FURNITURE & EQUIPMENT PLAN

PROJECT: FOOD RESEARCH CENTER TI - PHASE 1 (BUILDING #: 005)

860 IDAHO AVE, MOSCOW, ID 83844

CLIENT: UNIVERSITY OF IDAHO

JOB NO: 240004

CAPITAL PROJECT NO: CP220034

A13-10