OPN ARCHITECTS

ADDENDUM 03

Date: June 30, 2023

Project: Johnson County Administration and Health & Human Services Buildings Remodeling Project

Project number: 21212000

Client: Johnson County, Iowa

Project Location: Iowa City Iowa

This Addendum forms a part of the contract documents and modifies the original bidding documents dated 6/6/2023 as noted below. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the bidder to disqualification.

To: All Plan Holders

Contents: (9) Addendum Narrative and Bidders Questions
(22) Specifications
(10) Drawing Sheets

SEALS AND SIGNATURES

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly licensed Professional Architect under the laws of the State of Iowa.

_____
Signature Date

Justin Bishop, AIA
Iowa license number 06497
My license renewal date is June 30, 2024

Pages or sheets covered by this seal:
Architectural Drawings and Divisions 0-13, except sections listed under other seals

OPN ARCHITECTS

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly licensed Professional Engineer under the laws of the State of Iowa.

_____

Signature Date

Brent W. Jackman
Iowa license number 18193
My license renewal date is June 30, 2024

Pages or sheets covered by this seal:
Civil Drawings

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly licensed Professional Landscape Architect under the laws of the State of Iowa.

_____

Signature Date

Bradley C. Hill
Iowa license number 19593
My license renewal date is June 30, 2024

Pages or sheets covered by this seal:
033000, 042000, 051200, 053100, 055000, 316600

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly licensed Professional Engineer under the laws of the State of Iowa.

_____

Signature Date

Dwight Clopton Schumm
Iowa license number 13694
My license renewal date is December 31, 2021
Pages or sheets covered by this seal:
Mechanical, Plumbing, Electrical, Technology Drawings and Divisions 21, 22, 23, 26, 27, 28

OPN ARCHITECTS

SPECIFICATIONS

Unless noted below, individual specification sections are reissued in full as part of this addendum. Additions to the specification language are indicated by a bold underline and deletions are crossed out.

1. **071400—FLUID APPLIED WATERPROOFING**
    a. ADD Soprema Colphene Barr to acceptable manufacturers.
2. **072100 THERMAL INSULATION**
    a. Add Atlas Energy Shield XR to acceptable manufacturers.
3. **072500 WEATHER BARRIERS**
    a. ADD Soprema Sopreseal LM 203 to acceptable manufacturers.
    b. ADD Soprema Sopreseal Stick 1100T to acceptable manufacturers.
    c. ADD Soprema Sopraseal LM 202 VP to acceptable manufacturers.
4. **092116 – GYPSUM BOARD ASSEMBLIES**
    a. ADD clarification to high abuse corner trim specification.
5. **087100 – DOOR HARDWARE (revise section as noted below, spec section is not reissued)**

2.2 HANGING DEVICES

A. Hinges

5. Manufacturers:
ADD Ives (IV)

B. Continuous Geared Hinges

1. Manufacturers:
ADD Ives (IV)

2.3 POWER TRANSFER DEVICES

A. Concealed Quick Connect Electric Power Transfers

1. Manufacturers:
ADD Von Duprin (VD) EPT

B. Electric Door Wire Harnesses

1. ADD Allegion CONN/Molex - Connection Kit - Tool

2. Manufacturers:
ADD 'CONN System" Schlage/Von Duprin

2.4 DOOR OPERATING TRIM

A. Flush Bolts and Surface Bolts

5. Manufacturers:
ADD Ives (IV)

B. Door Push Plates and Pulls

5. Manufacturers:
ADD Ives (IV)

2.7 MECHANICAL LOCKS AND LATCHING DEVICES

A. Mortise Locksets, Grade 1

2. Manufacturers:
ADD Schlage (SC) L9000 Series
DELETE: No Substitution – Facility Standard

B. Multi-Point Locksets

1. Manufacturers:

ADD Schlage (SC) LM9000 Series

DELETE: No Substitution – Facility Standard

2.8 ELECTROMECHANICAL LOCKING DEVICES

A. Electromechanical Mortise Locksets, Grade 1

3. Manufacturers:

ADD Schlage (SC) L9000 EL/EU/RX Series

DELETE: No Substitution – Facility Standard

B. Electromechanical Multi-Point Locks

2. Manufacturers:

ADD Schlage (SC) LM9000 Series

DELETE: No Substitution – Facility Standard

2.10 CONVENTIONAL EXIT DEVICES

B. Conventional Push Rail Exit Devices

1. Manufacturers:

ADD Von Duprin (VD) 35A/99 Series

DELETE: No Substitution – Facility Standard

2.11 ELECTROMECHANICAL EXIT DEVICES

A. Electromechanical Push Rail Exit Devices

4. Manufacturers:

ADD Von Duprin (VD) 35A/99 Series

DELETE: No Substitution – Facility Standard

2.12 DOOR CLOSERS

B. Door Closers, Surface Mounted

1. Manufacturers:

ADD LCN (LC) 4040XP Series

DELETE: No Substitution – Facility Standard

2.13 ELECTROHYDRAULIC DOOR OPERATORS

A. Low Energy Operators

I. Manufacturers:

ADD LCN (LC) 4600 Series

2.14 ARCHITECTURAL TRIM

A. Door Protective Trim

6. Manufacturers:

ADD Ives (IV)

2.15 DOOR STOPS AND HOLDERS

B. Door Stops and Bumpers

1. Manufacturers:

ADD Ives (IV)

C. Overhead Door Stops and Holders

1. Manufacturers:

ADD Glynn-Johnson (GJ)

2.16 ARCHITECTURAL SEALS

A. Thresholds, Weatherstripping and Gasket Seals

F. Manufacturers:

ADD Zero Products (ZE)

2.17 ELECTRONIC ACCESSORIES

A. Door Position Switches

1. Manufacturers:

ADD Schlage Electronics (SE) 679 Series

6. **26 0533 – RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS (revise section as noted below, spec section is not reissued)**

a. **CHANGE** 2.01, B. Rigid Conduit: Full weight, threaded, rigid steel conduit, galvanized inside and out by hot dip or electro galvanized process. Additional protection by electrostatically applied baked coating. Thread protective caps and couplings. Use where subject to physical damage, exterior exposed locations, and where underground PVC raceway transitions through concrete.

DRAWINGS

CIVIL

None

STRUCTURAL

1. S-001 – STRUCTURAL NOTES
    a. Under foundation parameters, REMOVE note FP2.1

ARCHITECTURAL

1. AD-101A – ADM DEMO FLOOR PLANS AND ELEVATIONS
    a. DRAWING 1:
        i. REVISE callout as shown in attached drawing.
    b. DRAWING 2:
        i. REVISE callout as shown in attached drawing.
    c. ADD Drawings 12 and 13.
2. AD-101B – HHS LEVEL THREE DEMO FLOOR PLAN AND RCP
    a. DRAWING 1:
        i. ADD demountable wall to be salvaged and returned to owner as shown in attached drawing.
3. A-121A – ADM FINISH PLANS
    a. DRAWING 4:
        i. REVISE vestibule finishes to walk off mat as shown in attached drawing.
    b. KEYNOTES:

OPN ARCHITECTS

i. REVISE keynotes to coordinate with vestibule finish change.

4. A-441 – VERTICAL CIRCULATION – ENLARGED PLANS
    a. DRAWING 14 AND 15:
        i. REMOVE demo notes from new plans as shown in attached drawing.
    b. DRAWING 21:
        i. REVISE demo and new tags as shown in attached drawing.
5. A510 – ADM MILLWORK DETAILS
    a. DRAWING 1
        i. ADD quartz wrapper to HHS column as shown in attached drawing.
    b. DRAWING 4
        i. ADD quartz wrapper to HHS column as shown in attached drawing.
6. A608 – FINISH SCHEDULE AND SPECS
    a. FINISH SCHEDULE
        i. REVISE VF-1 to be "3M Scotchcal Clearview graphic film or equal." as shown in attached drawing.

PLUMBING

None

MECHANICAL

None

ELECTRICAL

1) E-101A ADM ELECTRICAL LIGHTING PLANS
    a) Adm Level 1 Lighting Plan. Refer to Cust 144. CHANGE light switch to occupancy sensor type "OS-B".
    b) ADM – Mechanical Mezzanine Plan. ADD lighting sequence '1' to all type LL2 light fixtures.
2) E-201A ADM ELECTRICAL POWER PLANS
    a) ADM- Level 2 Electrical Plan. Refer to Open Office 220. CHANGE tag ABF-6 tag to ABF-5.
3) E-201A ADM ELECTRICAL POWER PLANS
    a) ADM – Level 1 Electrical Power Plan. Refer to Workroom 130E. ADD 'GFI' designation to one above counter receptacle south of the sink. This receptacle is within 6' of the sink.
4) E-400 ENLARGED ELECTRICAL PLANS
    a) HHS – BOARD ROOM 301 ENLARGED POWER PLAN – PHASE 2.
        i) ADD ABF designations and circuits for unlabeled floor boxes. Refer to attached revised sheet E-400.

TECHNOLOGY

None

ARCHITECTURAL SIGNAGE

1. AS001 – SIGN LOCATION PLANS HHS BUILDING
    a. DRAWING 2:
        i. DELETE door mounted restroom sign.

2. AS002 – SIGN LOCATION PLANS ADMIN BUILDING
    a. DRAWING 1 AND 2:
        i. DELETE door mounted restroom sign.
3. AS003 – SIGN TYPE DRAWINGS A-H
    a. SIGN TYPE C, E, F AND H
        i. ADD Lexan backer at glass mounted locations, see drawings.

BIDDER QUESTIONS:

Question: Can additional building access be provided?

Answer: The Admin and HHS buildings are public buildings and can be accessed during regular business hours. Access to restricted areas can be arranged, pending availability, by contacting:

Dave Curtis
Johnson Country Facilities Director
319-688-5851

Questions: On sheet AS003 Sign Type B - Two sizes are shown. How are the sizes to be counted/appropriated per the location plans?

Answer: Sign size will need to be determined based on final content. A sign message schedule with content for each sign will be completed during construction, and would need to be compiled as part of production process.

Question: On sheet AS003 Sign Type C - Sidelight panels - will these need a glass back up on the opposite side of the glass and if so what material and finish?

Answer: The design intent is to fit the width of each sidelight location, and mount the sign panel within the window frame, at these locations, install a 0.020" 8B35 Lexan backer.

Question: On sheet AS003 Sign Type G – Is the second door-mounted sign required at restooms?

Answer: The second restroom sign is not required, delete per revised drawings.

Question: On sheet AS003 Sign Type K – is called out as VF-1 on the Finish Schedule (A608) as 3M Fasara. Sheet AS004 notes 3M Scotchcal Clear View Graphic Film or equal, please clarify.

Answer: The vinyl will have a custom design and need to be produced as a large format print. The appropriate specification is “3M Scotchcal Clear View Graphic Film or equal.” The reference on A608 will be corrected.

Question: Per Spec 26 0533 2.01 all feeders larger than 2-1/2” are to be Galvanized rigid conduit. The Admin and HHS building are all EMT, will the GRC be enforced on this or is EMT acceptable for the feeders larger than 2-1/2” .

Answer: 2 ½" reference will be removed in Addendum 3

Question Admin Bldg. Conference room 150B shows a floor box but no floor box type.

Answer: See Addendum 2 for clarification.

Question: Admin Bldg. Office 220 shows a type ABF-6 floor box, this is an on grade floor box. Should this have been an ABF-5 like the other floor box in this office.

Answer: Yes, ABF-5. See Addendum 3 for clarification.

Question; Admin Bldg. Open office 230- there are two floor boxes shown on the two most southern tables with floor boxes but no types.

Answer: See Addendum 2 for clarification.

Question; What type of tile base is going in the restrooms?

Answer: None. Wall tile to extend to floor, floor tile to extend to wall.

Question: The steps and ramp in the corridor just outside of the NW side of 210A, is showing PCT-1. I need to know if the ramp will be concrete and to confirm that tile is to be put on both the ramp and the steps to the right of the ramp. If so, does the ramp edge(s) need a Schluter trim piece?

Answer: The ramp is concrete. The tile should be installed on both the ramp and the steps to the right of the ramp. The steps should be finished with a PCT-1 tread profile per detail 16/A-441

Question: Board Room 301 shows CPT-4 on the drawing but the Legend shows CPT-2 as the carpet tile. I need to know which carpet is used in this room.

Answer: The legend indicates that Board Room 301 should have CPT-2 carpet in CPT Pattern 4 (Herringbone)

Question: What material is existing on the floors of areas; S1-3 Stair 1-3 Landing (meets CPT 2,3,4), 304B, 305B and 306

Answer: S1-3: Ceramic tile
304B: Ceramic tile
305B Ceramic tile
306: Concrete

Question: WOGs are on the spec for Vestibules 155 and 100. These are EXTEMELY pricy and cannot be cleaned and are also known to look tired and weathered after 5 years. Walk-off tiles might be a better solution. Please advise.

Answer: Walk off grilles have been changed to walk off carpet tile. See revised drawings for locations and specifications.

Question: Do the high abuse corner guards/beads only go where they are shown on the details, or are they supposed to be on all the outside corners? How high do they go? The spec calls them out at corner beads, but the details say corner guards.

Answer: The high abuse corner guards (Fry Reglet DMCT-1250) are only required at locations noted on the drawings. The corner guards should be installed full height from floor to ceiling.

Question: The pre-bid agenda under item 3, notes that the Owner will be performing separate AV and Technology work. Is any of the owner's separate scope in the bid documents and will be removed?

Answer: No, the owner's AV and Technology work is separate from the scope described in the bid documents.

Question: On S-001, helical piers are noted to be required at the HHS building. Is this in the scope?

Answer: The reference to helical piers is related to scope that has been taken out of the project. There will be no foundation work at the HHS building. See addendum item for sheet S-001

Question: Will a new server and software need to be included in bid for additional doors and credentialing?

Answer: No.

END OF ADDENDUM #3

SECTION 07 14 00
FLUID-APPLIED WATERPROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Fluid-Applied Waterproofing.

1.02 REFERENCE STANDARDS

A. ASTM D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers--Tension 2016 (Reapproved 2021).

B. ASTM D746 - Standard Test Method for Brittleness Temperature of Plastics and Elastomers by Impact 2020.

C. ASTM E96/E96M - Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials 2021.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Coordinate with the installation of other components that comprise the exterior building envelope.

1.04 SUBMITTALS

A. Shop Drawings: Indicate special joint or termination conditions and conditions of interface with other materials.

B. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

C. Compatibility: Submit letter from manufacturer stating that materials proposed for use are permanently chemically compatible and adhesively compatible with adjacent materials proposed for use. Submit letter from manufacturer stating that cleaning materials used during installation are chemically compatible with each of the adjacent materials proposed for use.

1.05 QUALITY ASSURANCE

A. Manufacturer: System shall be manufactured and marketed by a firm with a minimum of 20 years experience in the production and sales of waterproofing and air barrier products. Manufacturers proposed for use but not named in these specifications shall submit evidence of ability to meet all requirements specified, and include a list of projects of similar design and complexity completed within the past 5 years.

B. Installer Qualifications:
   1. Company specializing is performing the work of this section as a primary occupation, which has at least 3 years of documented experience and is certified in writing by the manufacturer.
   2. Installer must show evidence of adequate equipment and trained field personnel to successfully complete the project in a timely manner.
   3. Company performing the work of this section will also perform the work of all other related air and weather barrier sections including, but not limited to:
      a. Section 07 25 00 - Weather Barriers

C. Materials: Fluid applied waterproofing material shall be cold vulcanized two part synthetic rubber based system free of isocyanates and bitumen. For each type of material required for the work of this section and related sections of performance, provide primary materials, associated materials, and material assemblies which are the products of one manufacturer.

D. Pre-Installation Conference: A pre-installation conference shall be held two weeks prior to commencement of field operations to establish procedures to maintain optimum working conditions and to coordinate this work with related and adjacent work. Attendance shall include the contractors of adjacent systems and substrates, and the waterproofing manufacturer representative. Agenda for meeting shall include but not be limited to the following:

1. Review of submittals.
2. Review of surface preparation, minimum curing period and installation procedures.
3. Review of special details and flashings.
4. Sequence of construction, responsibilities and schedule for subsequent operations.
5. Review of mock-up requirements.
6. Review of inspection, testing, protection and repair procedures.

1.06 MOCK-UP

A. Construct mock-up to represent finished work including inside and outside corners. Incorporating back-up wall, cladding, window and doorframe and sill, insulation, flashing and any other critical junction (roof, foundation, etc).

1.07 DELIVERY, STORAGE AND HANDLING

A. Deliver materials and products in labeled packages. Store and handle in strict compliance with manufacturer's instructions, recommendations and material safety data sheets. Protect from damage from sunlight, weather, excessive temperatures and construction operations. Remove damaged material from the site and dispose of in accordance with applicable regulations.

B. Do not double-stack pallets of fluid applied membrane components on the job site. Provide cover on top and all sides, allowing for adequate ventilation.

C. Protect fluid-applied membrane components from freezing and extreme heat.

D. Sequence deliveries to avoid delays, but minimize on-site storage.

1.08 PROJECT CONDITIONS

A. Perform work only when existing and forecasted weather conditions are within the limits established by the manufacturer of the materials and products used.

B. Proceed with installation only when substrate construction and preparation work is complete and in condition to receive membrane waterproofing.

1.09 WARRANTY

A. Fluid Applied Waterproofing Membrane: Provide written 5 year material warranty issued by the membrane manufacturer upon completion of the work.

B. Contractor shall correct defective work within a two year period after date of substantial completion, remove and replace materials concealing waterproofing at no extra cost to the Owner. Bentonite grouting shall not be acceptable.

PART 2 PRODUCTS

2.01 MATERIALS

A. Fluid applied membrane, self-curing, synthetic rubber based material:
   1. Basis-of-Design: Provide W.R. Grace; Procor System or a comparable product by one of the following:
      a. Henry Company. Aqua-Bloc System.
      b. Carlisle, Barricoat System.
      c. TK Products, TK-Hydromax 2002 VOC.
      d. Tremco, TREMproof 260.
      e. **Soprema Colphene Barr [ADD 3]**
      f. Note that the same manufacturer of material used for Section 07 25 00 Weather Barriers of this project, shall be the same manufacturer of material used for this section. Written manufacturer compatibility and adhesion certification shall be required.

2.02 FLUID APPLIED WATERPROOFING MATERIALS

A.

B. Synthetic Rubber Waterproofing: Cold-applied synthetic polymer complying with ASTM D3468; one or two component, quick setting.

1. Suitable for installation over concrete substrates.
2. Volatile Organic Compound content: < 75 g/L.
3. Elongation: 500 percent, measured in accordance with ASTM D 412.
4. Water Vapor Permeability: 0.08 perm inch, max., measured in accordance with ASTM E96/E96M.
5. Peel Adhesion to Concrete: 5 lb./inch, according to ASTM D 903 Modified.
6. Minimum Application Temperature: 20 deg. F.
7. Brittleness Temperature: minus 40 degrees F, measured in accordance with ASTM D746.

2.03 INSULATION

A. Rigid Insulation: Specified in Section 07 21 00 Thermal Insulation.

2.04 ACCESSORIES

A. Prefabricated Drainage Composite: Hydroduct 660 Drainage Composite by Grace Construction Products for horizontal surfaces **or approved equal [ADD 2]** Hydroduct 220 Drainage Composite by Grace Construction Products for all vertical surfaces **or approved equal.[ADD 2]** Drainage composite shall be designed to promote positive drainage while serving as a protection course.

B. Miscellaneous Materials: Tape and other accessories specified or acceptable to manufacturer of fluid applied waterproofing membrane.

PART 3 EXECUTION

3.01 EXAMINATION

A. The installer shall examine conditions of substrates and other conditions under which this work is to be performed and notify the contractor, in writing, of circumstances detrimental to the proper completion of the work. Do not proceed with work until unsatisfactory conditions are corrected.

3.02 PREPARATION OF SUBSTRATE

A. Protect adjacent surfaces from damage not designated to receive waterproofing.

B. Tie-holes and “bugholes” larger than 1/2 inch in diameter or deeper than 1/8 inch, or both, should be either pretreated per manufacturer’s instructions or repaired with with a lean concrete mix or grout. See ASTM D 5295, Preparation of Concrete Surfaces for Adhered Membrane Waterproofing Systems, for further details on substrate preparation.

C. Cracked, pitted, honeycombed or heavily bugholed surfaces can be filled by spraying from close in (10” to 12”) but high material usage with result. Under these circumstances it may be more efficient to fill the surface with a parge coat of lean mortar mix before application of the waterproofing. It is also acceptable to fill in gaps with a compatible sealant or caulk.

D. Cast-In-Place Concrete Substrates:
   1. Surface shall be free of any visible water, frost, or ice.
   2. Fill form tie rod holes with concrete and finish flush with surrounding surface.
   3. Repair bugholes greater than ½ inch in depth and ¼ inch in diameter deep and finish flush with surrounding surface.
   4. Remove scaling to sound, unaffected concrete and repair exposed area.
   5. Grind irregular construction joints to suitable flush surface.

E. Masonry Substrates: Apply waterproofing over concrete block and brick with smooth trowel-cut mortar joints or parge coat.

3.03 INSTALLATION

A. Apply waterproofing in accordance with manufacturer's instructions, including, but not limited to, the following:
   1. Apply minimum 0.060 in. in all areas to be waterproofed. Apply minimum 0.120 inches in all detail areas.

2. If area to be waterproofed is in direct sunlight and temperature is rising, apply “scratch coat” (a thin application of fluid applied waterproofing) prior to the full application of the waterproofing membrane.
3. In applications where a minimum slope of 0.13 in./ft cannot be achieved, a two coat application of membrane is recommended to achieve the total thickness.
4. Apply protection board and related materials in accordance with manufacturer’s recommendations.
5. For vertical applications, install board insulation before installing drainage panels.

B. Install flexible flashings and seal into waterproofing material. Seal items penetrating through membrane (i.e. water piping, electrical conduit, etc.) with flashings.

C. Seal membrane and flashings to adjoining surfaces.

3.04 CLEANING AND PROTECTION

A. Remove any masking materials after installation. Clean any stains on materials which would be exposed in the completed work.

B. Protect completed membrane waterproofing from subsequent construction activities as recommended by manufacturer.

C. Do not leave installed materials exposed to weather for longer than 30 days.

END OF SECTION

SECTION 07 21 00
THERMAL INSULATION

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Board insulation at cavity wall construction, perimeter foundation wall, underside of floor slabs, and exterior wall behind wall finish.

1.02 RELATED REQUIREMENTS

A. Section 07 54 00 - PVC/KEE Thermoplastic Membrane Roofing: Installation requirements for board insulation over low slope roof deck specified in this section.

1.03 REFERENCE STANDARDS

A. ASTM C553 - Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications 2013 (Reapproved 2019).

B. ASTM C578 - Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation 2019.

C. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials 2021a.

D. NFPA 285 - Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components 2019.

1.04 SUBMITTALS

A. Product Data: Provide data on product characteristics, performance criteria, and product limitations.

B. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

C. Manufacturer's Installation Instructions: Include information on special environmental conditions required for installation and installation techniques.

1.05 QUALITY ASSURANCE

A. Products provided under this section and installed at part of an exterior wall assembly shall have passed NFPA 285 testing as part of a wall assembly matching those detailed on drawings

PART 2 PRODUCTS

2.01 APPLICATIONS

A. Insulation Under Concrete Slabs: Extruded polystyrene (XPS) board.

B. Insulation at Perimeter of Foundation: Extruded polystyrene board.

C. Insulation Inside Masonry Cavity Walls: Polyiscocyanurate board.

D. Insulation Behind Rainscreen Panels: Mineral wool fiberboard insulation.

2.02 FOAM BOARD INSULATION MATERIALS

A. Extruded Polystyrene (XPS) Board Insulation: Complies with ASTM C578 with either natural skin or cut cell surfaces.
   1. Type: ASTM C578, Type IV.
   2. Flame Spread Index (FSI): Class A - 0 to 25, when tested in accordance with ASTM E84.
   3. Smoke Developed Index (SDI): 450 or less, when tested in accordance with ASTM E84.
   4. Type and Thermal Resistance, R-value: Type IV, 5.0 (0.88) per 1 inch thickness at 75 degrees F mean temperature.
   5. Complies with fire resistance requirements as part of an exterior non-load-bearing exterior wall assembly when tested in accordance with NFPA 285.
   6. Board Edges: Square.
   7. Type and Water Absorption: Type IV, 0.3 percent by volume, maximum, by total immersion.
   8. Manufacturers:

a. Dow Chemical Company: www.dow.com/#sle.
b. Owens Corning Corporation: www.ocbuildingspec.com/sle.
c. **Atlas Energy Shield XR [ADD 3]**

B. Foil Faced Polyisocyanurate Board Insulation: Rigid cellular foam, complying with ASTM C1289.
1. Classifications:
a. Type I: Faced with aluminum foil on both major surfaces of the core foam.
1) Class 1 - Non-reinforced core foam.
2) Thermal Resistance, R-value: At 1-1/2 inch thick; 9.0 at 75 degrees F.
2. Board Thickness: As indicated on drawings.
3. Board Edges: Square.
4. Manufacturers:
a. Atlas Roofing Corporation; EnergyShield Pro Continuous Wall Insulation: www.atlasroofing.com/sle.
b. Hunter Panels, LLC; Xci Foil: www.hunterxci.com/sle.
c. Substitutions: See Section 01 25 00 - Substitution Procedures.

2.03 FIBERBOARD INSULATION MATERIALS

A. Mineral Wool Fiberboard Insulation for Exterior Walls: Semi-rigid mineral fiber, ASTM C612 or ASTM C553; unfaced flame spread index of 0 (zero) when tested in accordance with ASTM E84, dark color.
1. Smoke Developed Index: 0 (zero), when tested in accordance with ASTM E84.
2. Thickness: As indicated on drawings.
3. Thermal Resistance: R-value of 4.2 degrees F hr sq ft/Btu per inch at 75 degrees F, minimum, when tested according to ASTM C518.
4. Maximum Density: 6.0 pounds per cubic foot, nominal.
5. Manufacturers:
a. Thermafiber, Inc; RainBarrier: www.thermafiber.com.
b. ROCKWOOL (ROXUL, Inc); CAVITYROCK: www.rockwool.com.
c. Substitutions: See Section 01 25 00 - Substitution Procedures.

2.04 ACCESSORIES

A. Continuous Insulation (CI) Support Systems (Thermal Cips): Composite framing support (CFS) system consisting of girts that support CI and provide cladding attachment support integrated with exterior wall cladding.
1. Substrate: Attach CFS system components to exterior sheathing over metal stud framing.
2. Depth of Girts: As required for thickness of insulation.
3. Spacing of Girts: 16 inches on center, vertically.
4. Approved Manufacturers:
a. Cascadia Windows LTD.: Cascadia Clip.
b. Advanced Architectural Products: SMARTci.
c. Northern Facades, ISO Clip.
d. Nvelope, Eko Thermobrackets.
5. Insulation clip system design: Thermal spacer designed for cladding system attachment.
6. Clip System, including support angles and final furring attachment, must be coordinated with each cladding system manufacturers.
7. All fastener penetrations through air and vapor shall be fully sealed with compatible sealant where clip system is attached to substrate.
8. No push pin installations allowed for insulation. Insulation to be retained without fasteners.
9. Insulation to be installed in staggered layers with no gaps or voids.
10. Transition between the insulation clip system and the cladding final attachment will occur within the staggered layers of the insulation. Attachment of the cladding to the insulation clip may not occur at the outside face of the final layer of insulation.

11. System to be designed to accommodate the following maximum live load deflection in the plane of the exterior wall:
    a. Verify maximum live load deflection with structural requirements or 3/8 inch, whichever is greater.
12. All components of support system from face of insulation to supports for wall panels shall be painted black.
13. Products:
    a. Advanced Architectural Products, LLC; SMARTci Plus 3-in-1 System: www.smartcisystems.com.
    b. Cascadia Windows LTD; Cascadia Clip.
    c. Northern Facades, ISO Clip.
    d. Nvelope, Eko Thermobrackets.
    e. Substitutions: See Section 01 25 00 - Substitution Procedures.

B. Adhesive: Type recommended by insulation manufacturer for application.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that substrate, adjacent materials, and insulation materials are dry and that substrates are ready to receive insulation.

B. Verify substrate surfaces are flat, free of honeycomb, fins, irregularities, or materials or substances that may impede adhesive bond.

3.02 BOARD INSTALLATION AT FOUNDATION PERIMETER

A. Apply adhesive to back of boards:

B. Install boards horizontally on foundation perimeter.
   1. Install in running bond pattern.
   2. Butt edges and ends tightly to adjacent boards and to protrusions.

C. Cut and fit insulation tightly to protrusions or interruptions to the insulation plane.

3.03 BOARD INSTALLATION AT CAVITY WALLS

A. Secure impale fasteners to substrate at following frequency:

B. Install boards to fit snugly between wall ties.

C. Install boards horizontally on walls.

D. Cut and fit insulation tightly to protrusions or interruptions to the insulation plane.

E. Seal joints with foil tape.

3.04 BOARD INSTALLATION USING COMPOSITE FRAMING SUPPORT (CFS) SYSTEM

A. Install CFS system in accordance with manufacturer's installation instructions.

B. Install CFS system in compliance with system orientation, sizes, and locations as indicated on drawings.

C. Install CFS system to fill-in exterior wall spaces without gaps or voids, and do not compress insulation boards.

D. No push pin installations allowed for insulation. Insulation to be retained without fasteners.

E. Insulation to be installed in staggered layers with no gaps or voids.

F. Trim insulation neatly to fit spaces, and insulate miscellaneous gaps and voids with approved expandable foam sealant.

G. Transition between the insulation clip system and the cladding final girt attachment will occur within the staggered layers of the insulation. Attachment of the cladding to the insulation clip may not occur at the outside face of the final layer of insulation.

3.05 BOARD INSTALLATION UNDER CONCRETE SLABS

A. Place insulation under slabs on grade after base for slab has been compacted.

B. Cut and fit insulation tightly to protrusions or interruptions to the insulation plane.

C. Prevent insulation from being displaced or damaged while placing vapor retarder and placing slab.

3.06 PROTECTION

A. Do not permit installed insulation to be damaged prior to its concealment.

END OF SECTION

SECTION 07 25 00
WEATHER BARRIERS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Vapor Retarders: Materials to make exterior walls, joints between exterior walls and roof, and joints around frames of openings in exterior walls water vapor resistant and air tight.

B. Air Barriers: Materials that form a system to stop passage of air through exterior walls, joints between exterior walls and roof, and joints around frames of openings in exterior walls.

1.02 DEFINITIONS

A. Weather Barrier: Assemblies that form either water-resistive barriers, air barriers, or vapor retarders.

B. Air Barrier: Air tight barrier made of material that is relatively air impermeable but water vapor permeable, both to the degree specified, with sealed seams and with sealed joints to adjacent surfaces. Note: For the purposes of this specification, vapor impermeable air barriers are classified as vapor retarders.

C. Vapor Retarder: Air tight barrier made of material that is relatively water vapor impermeable, to the degree specified, with sealed seams and with sealed joints to adjacent surfaces.
   1. Water Vapor Permeance: For purposes of conversion, 57.2 ng/(Pa s sq m) = 1 perm.

1.03 REFERENCE STANDARDS

A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency current edition.

B. ASTM D1970/D1970M - Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection 2021.

C. ASTM E96/E96M - Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials 2022.

1.04 PERFORMANCE REQUIREMENTS

A. Air barrier shall be capable of performing as a continuous vapor-permeable air barrier and as a liquid-water drainage plane flashed to discharge to the exterior incidental condensation or water penetration. Air barrier assemblies shall be capable of accommodating substrate movement and of sealing substrate expansion and control joints, construction material changes, and transitions at perimeter conditions without deterioration and air leakage exceeding specified limits.

B. Water barrier shall be capable of performing as a continuouse non-vapor-permeable air and water barrier flashed to discharge to exteiror condensation and water penetration. Water barrier membrane assemblies shall be capable of accommodatng substrate movement and of sealing substrate expansion and control joints, construction material changes, and transitions at perimeter conditions without deterioration and air leakage exceeding specified limits.

1.05 SUBMITTALS

A. Product Data: Provide data on material characteristics.

B. Shop Drawings: Provide drawings of special joint conditions.
   1. Include details of interface between air barriers and water barriers.

C. Manufacturer's Installation Instructions: Indicate preparation and installation methods.

D. Compatibilty Certification: Provide certification of compatiblity of all products to be provided in this section and adjacent products that are part of the building envelope system.

E. Testing agency reports.

1.06 QUALITY ASSURANCE

A. Provide products for all components specified in the section from the same manufacturer, or provide certification of compatiblity of all products not provided by same manufacturer.

B. Products provided under this section and installed at part of an exterior wall assembly shall have passed NFPA 285 testing as part of a wall assembly matching those detailed on drawings

1.07 MOCK-UP

A. Mockups: Before beginning installation of air/moisture barrier, build mockups of exterior wall assembly, 150 sq. ft., incorporating backup wall construction, external cladding, window, door frame and sill, insulation, and flashing to demonstrate surface preparation, crack and joint treatment, and sealing of gaps, terminations, and penetrations of air barrier membrane.
   1. Coordinate construction of mockup to permit inspection by Owner's testing agency of air barrier before external insulation and cladding is installed.
   2. Include junction with roofing membrane, building corner condition, and foundation wall intersection.
   3. If Architect determines mockups do not comply with requirements, reconstruct mockups and apply air barrier until mockups are approved.
   4. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.08 FIELD CONDITIONS

A. Maintain temperature and humidity recommended by the materials manufacturers before, during and after installation.

1.09 DELIVERY, STORAGE AND HANDLING

A. Store liquid materials in their original undamaged packages in a clean, dry, protected location and within temperature range required by manufacturer.

B. Remove and replace liquid materials that cannot be applied within their stated shelf life.

C. Store rolls according to manufacturer's written instructions.

D. Protect stored materials from direct sunlight.

1.10 PROJECT CONDITIONS

A. Environmental Limitations: Apply weather barriers within the range of ambient and substrate temperatures recommended by weather barrier manufacturers. Protect substrates from environmental conditions that affect performance of weather barriers. Do not apply weather barriers to a damp or wet substrate or during snow, rain, fog, or mist.

PART 2 PRODUCTS

2.01 VAPOR PERMEABLE AIR BARRIER

A. Vapor Permeable Air Barrier, Fluid Applied: Vapor permeable, elastomeric waterproofing.
   1. Air Barrier Membrane:
      a. Air Permeance: 0.004 cubic feet per minute per square foot, maximum, when tested in accordance with ASTM E2178.
      b. Water Vapor Permeance: 5 perms, minimum, when tested in accordance with ASTM E96/E96M, Procedure B.
      c. Elongation: 300 percent, minimum, when tested in accordance with ASTM D412.
      d. Sealants, Tapes and Accessories: As recommended by coating manufacturer.
      e. Manufacturers:
         1) Carlisle Coatings and Waterproofing, Inc; Fire Resist Barritech-VP: www.carlisleccw.com/#sle.
         2) GCP Applied Technologies; Perm-A-Barrier VPL: www.gcpat.com/#sle.
         3) Henry Company; Air-Bloc 33MR: www.henry.com/#sle.
         4) TK Products, AirMax 2104 VP: www.tkproducts.com.
         5) Tremco Commercial Sealants & Waterproofing; ExoAir 230: www.tremcosealants.com.

6) **Sopraseal LM 202 VP [ADD 2]**

2.02 NON-PERMEABLE AIR AND WATER BARRIER (VAPOR RETARDER)

A. Non-Permeable Air and Water Barrier Sheet: ASTM D1970/D1970M.
   1. Type: Rubberized asphalt bonded to thermoplastic sheet, self-adhesive.
   2. Thickness: 40 mil, 0.040 inch, nominal.
   3. Water Vapor Permeance: 0.05 perm, maximum, when tested in accordance with ASTM E96/E96M.
   4. Seam and Perimeter Tape: As recommended by sheet manufacturer.
   5. Manufacturers:
      a. Carlisle Coatings and Waterproofing, Inc; CCW-705 Air and Vapor Barrier Sheet: www.carlisleccw.com/#sle.
      b. GPC Applied Technologies (Grace), Perm-A-Barrier.
      c. Henry Company; Blueskin SA: www.henry.com/#sle.
      d. Tremco Sealants and Waterproofing; ExoAir 110AT.
      e. **Soprema Sopraseall Stick 1100T [ADD 3]**

B. Non-Permeable Air and Water Barrier Coating (Water Barrier Membrane): Liquid applied, resilient, UV-resistant coating and associated joint treatment.
   1. Water Vapor Permeance: Between 0.02 and 0.09 perm, when tested in accordance with ASTM E96/E96M.
   2. VOC Content: Less than 50 g per L when tested in accordance with 40 CFR 59, Subpart D (EPA Method 24).
   3. Suitable for use on concrete, masonry, plywood and gypsum sheathing.
   4. Joint Preparation Treatment: Coating manufacturer's recommended method, either tape or reinforcing mesh saturated with coating material.

   5. Basis-of-Design:
      a. GPC Applied Technologies (Grace), Perm-A-Barrier Liquid.
      b. Other Acceptable Products:
         1) Carlisle Coatings and Waterproofing, Inc; Barriseal: www.carlisleccw.com/#sle.
         2) Henry Company; Air-Bloc 32 MR: www.henry.com/#sle.
         3) TK Products, AirMax 2102 VOC; www.tkproducts.com.
         4) Tremco Sealants and Waterproofing, ExoAir 120 Fluid-applied Aire and Vapor Retarder membrane; www.tremcosealants.com.
         5) **Soprema Sopreaseal LM 203 [ADD 3]**
         6) Substititions: See Section 01 25 00 - Substitution Procedures.
   6. Joint Filler: As recommended by coating manufacturer and suitable to the substrate.

2.03 ACCESSORIES

A. Transition Membrane: A 40 mil self-adhering waterproofing used for flashing around beams, columns, and wall openings (including window, door and curtain wall frames, louvers, etc.); consisting of 36 mils of rubberized asphalt, integrally bonded to a 4 mil high-density cross-laminated polyethylene film. Membrane shall be interleaved with disposable silicone-coated release paper until installed. Fully-supported self-adhered membranes must be provided at all corners, (inside and outside), transitions, and changes in substrate. Liquid applied membranes that utilize mesh reinforcements will not be allowed.
   1. Basis-of-Design Product: GCP Applied Technologies (Grace) Perm-A-Barrier Detail Membrane.
   2. Other Acceptable Manufacturers:
      a. Henry Corporation
      b. Carlisle Coatings & Waterproofing
      c. Tremco.
      d. TK Products.

B. Flexible Membrane Through-Wall Flashing: Self-adhesive sheet flashing complying with ASTM D1970/D1970M, except slip resistance requirement is waived if not installed on a roof.
   1. Thickness: 40 mil (32 mil rubberized asphalt laminated to 8 mil high-density polyethylene film)
   2. Basis-of-Design Product: GCP Applied Technologies (Grace) Perm-A-Barrier Wall Flashing.
   3. Other Acceptable Manufacturers:
      a. Henry Corporation.
      b. Carlisle Coatings & Waterproofing.
      c. TK Products.
      d. Tremco Sealants and Waterproofing.

C. Detailing Compound: Two-part, elastomeric, trowel grade material for use with self-adhered membranes and tapes.
   1. Basis-of-Design Product: GCP Applied Technologies (Grace) Bituthene Liquid Membrane.
   2. Other Acceptable Manufacturers:
      a. Henry Corporation.
      b. Carlisle Coatings & Waterproofings.
      c. TK Products.
      d. Tremco Sealants and Waterproofing.

D. Metal Drip Edge: Provide metal drip edge where flashing is exposed or partially exposed and where indicated, complying with Division 7 Section "Sheet Metal Flashing and Trim" and as follows:
   1. Stainless Steel: ASTM A 240/A 240M, Type 304, 0.016 inch thick.
      a. Metal Drip Edges: Fabricate from stainless steel. Extend into wall and 1/2 inch out from wall, with outer edge bent down 30 degrees and hemmed.
   2. Basis-of-Design Product: Hohmann & Barnard 26 gage minimum, 1-1/2” minimum, stainless steel hemmed drip plate.

E. Miscellaneous Materials: Tape and other accessories specified or acceptable to manufacturer of fluid- applied air and vapor barrier membrane.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that surfaces and conditions are ready to accept the work of this section.

B. The installer shall examine conditions of substrates and other conditions under which this work is to be performed and notify the Contractor, in writing, of circumstances detrimental to the proper completion of the work. Do not proceed with work until unsatisfactory conditions are corrected

C. Verify that items built-in under other sections are properly located, sized, and securely installed.

3.02 PREPARATION

A. Protect adjacent work areas and finish surfaces from damage during installation.

B. Refer to manufacturer’s literature for requirements for preparation of substrates. Surfaces shall be structurally sound and free of voids, spalled areas, loose aggregate and sharp protrusions. Remove contaminants such as grease, oil and wax from exposed surfaces. Remove dust, dirt, loose stone and debris. Use repair materials and methods which are acceptable to manufacturer of fluid-applied air and vapor barrier.

C. Cast-In-Place Concrete Substrates:
   1. Surface shall be free of any visible water, frost, or ice.
   2. Fill form tie rod holes with concrete and finish flush with surrounding surface.
   3. Repair bug holes greater than 1/2 inch in diameter and 1/4 inch deep, and finish flush with surrounding surface.

4. Remove scaling to sound, unaffected concrete, and repair exposed area.
5. Grind irregular construction joints and protrusions taller than 1/8” .to suitable flush surface.

D. Exterior Sheathing Panels: Ensure that the boards are sufficiently stabilized with corners and edges fastened with appropriate screws. Pre-treat all board joints with 2 to 3 inch wide, reinforced self-adhesive tape, or fiberglass mesh-style gypsum board tape. Fill gaps greater than 1/4 inch with mastic or caulk, allowing sufficient time for full curing before application of tape and fluid-applied membrane

E. Masonry Substrates: Apply air and vapor barrier over concrete block with smooth flush mortar joints. Fill all voids and holes, particularly in the mortar joints, with a lean mortar mix, non-shrinking grout or parge coat.

F. Related Materials: Treat joints and install flashing as recommended by membrane manufacturer.

3.03 INSTALLATION

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

B. Air Barriers: Install continuous air tight barrier over surfaces indicated, with sealed seams and with sealed joints to adjacent surfaces.

C. Vapor Retarders: Install continuous air tight barrier over surfaces indicated, with sealed seams and with sealed joints to adjacent surfaces.

D. Application of Fluid-Applied Membrane:
1. Spray- or trowel-apply a continuous uniform film at minimum 60 mils dry film thickness using multiple, overlapping passes.
2. When spraying, use a cross-hatching technique (alternating horizontal and vertical passes) to ensure even thickness and coverage.
3. When spraying, use high pressure, multi-component, airless spray equipment approved by material manufacturer.
4. Carry membrane into any openings a minimum of 2 inches.
5. Seal all brick-ties and other penetrations as work progresses.

E. Application of Transition Membrane:
1. After allowing the fluid-applied membrane to cure to tack-free finish, apply transition membrane with a minimum overlap of 3 inches onto each surface at all beams, columns and joints as indicated on Drawings.
2. Tie-in to window and door frames, spandrel panels, roof and floor intersections and changes in substrate.
   a. Install products in accordance to manufacturer’s installation instructions, necessary to provide a continuous weather barrier for all transitions in plane.
3. Use pre-cut, easily-handled lengths for each location.
4. Remove silicone-coated release paper and position membrane flashing carefully before placing it against the surface.
5. When properly positioned, place against surface by pressing firmly into place using hand roller.
6. Overlap adjacent pieces 2 inches, and roll all seams with a hand roller.
7. Seal top edge of flashing with sealant compatible with all surrounding materials.
8. Transition flashing is not to be pre-installed prior to application of fluid-applied membrane, apply transition flashing as above. Spray or trowel a continuous uniform film of Fluid-Applied Membrane at minimum 60 mils dry film thickness using multiple, overlapping passes, with a minimum overlap of 3 inches between the fluid applied and the transition flashing

F. Application of Flexible Membrane Wall Flashing:
1. Precut pieces of flashing to easily handled lengths for each location.
2. Remove silicone-coated release paper and position flashing carefully before placing it against the surface.

3. When properly positioned, place against surface by pressing firmly into place using hand roller. Fully-adhere flashing to substrate to prevent water from migrating under flashing.
4. Overlap adjacent pieces 2 inches and roll all seams with a hand roller.
5. Trim bottom edge 1/2 inch back from exposed face of the wall. Flashing shall not be permanently exposed to sunlight.
6. At heads, sills and all flashing terminations, turn up flashing ends a minimum of 2 inches, and make careful folds to form an end dam, with the seams sealed.
7. Seal top edge of flashing with sealant compatible with all surrounding materials.
8. Do not allow the rubberized-asphalt surface of the flashing membrane to come in contact with poly- sulfide sealants, creosote, uncured coal tar products, or ethylene-propylene-diene-terpolymer products (EPDM).

G. Installation of the primary membrane is to occur prior to all inside and outside corners, fenestration rough openings and penetrations, then install the initial application of detail membrane.

3.04 TOLERANCES

A. System to be installed to accommodate the following maximum live load deflection in the plane of the exterior wall:
   1. Verify maximum live load deflection with structural requirements or 3/8 inch, whichever is greater.

3.05 CLEANING AND PROTECTION

A. Remove any masking materials after installation. Clean any stains on materials which would be exposed in the completed work using procedures as recommended by manufacturer.

B. Fluid-applied air and vapor barrier membrane is not suitable for permanent exposure and should be protected from the effects of sunlight.

C. Schedule work to ensure that the membrane system is covered as soon as possible after installation. Protect membrane system from damage during subsequent operations. If the air and vapor barrier membrane system cannot be covered within sixty (60) days after installation, apply temporary UV protection such as dark plastic sheet or tarpaulins.

3.06 FIELD QUALITY CONTROL

A. Do not cover installed fluid-applied air and vapor barrier until required inspections have been completed by testing agency.

B. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections and prepare test reports.

C. The testing agency shall verify proper application thickness via a wet mil gauge during the application process.

D. Testing agency shall perform "Bubble Gun" testing in accordance ASTM E1186 at no less than six (6) areas, or visual inspections at Owner/Architect's discretion.

3.07 PROTECTION

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

END OF SECTION

SECTION 09 21 16
GYPSUM BOARD ASSEMBLIES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Performance criteria for gypsum board assemblies.

B. Metal stud wall framing.

C. Metal channel ceiling framing.

D. Acoustic insulation.

E. Cementitious backing board.

F. Gypsum wallboard.

G. Joint treatment and accessories.

1.02 RELATED REQUIREMENTS

A. Section 06 10 00 - Rough Carpentry: Wood blocking product and execution requirements.

1.03 REFERENCE STANDARDS

A. AISI S100 - North American Specification for the Design of Cold-Formed Steel Structural Members 2016, with Supplement (2018).

B. ANSI A108.11 - American National Standard Specifications for Interior Installation of Cementitious Backer Units 2018.

C. ANSI A118.9 - American National Standard Specifications for Test Methods and Specifications for Cementitious Backer Units 2019.

D. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2020.

E. ASTM C475/C475M - Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board 2017.

F. ASTM C645 - Standard Specification for Nonstructural Steel Framing Members 2018.

G. ASTM C754 - Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products 2020.

H. ASTM C840 - Standard Specification for Application and Finishing of Gypsum Board 2020.

I. ASTM C954 - Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs From 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness 2018.

J. ASTM C1002 - Standard Specification for Steel Self-Piercing Tapping Screws for Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs 2020.

K. ASTM C1047 - Standard Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base 2019.

L. ASTM C1278/C1278M - Standard Specification for Fiber-Reinforced Gypsum Panel 2017.

M. ASTM C1288 - Standard Specification for Fiber-Cement Interior Substrate Sheets 2017.

N. ASTM C1325 - Standard Specification for Fiber-Mat Reinforced Cementitious Backer Units 2021.

O. ASTM C1396/C1396M - Standard Specification for Gypsum Board 2017.

P. ASTM D3273 - Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber 2021.

Q. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements 2009 (Reapproved 2016).

R. ASTM E413 - Classification for Rating Sound Insulation 2022.

S. GA-216 - Application and Finishing of Gypsum Panel Products 2021.

T. UL (FRD) - Fire Resistance Directory Current Edition.

1.04 SUBMITTALS

A. Control Joint Drawing: Provide drawings showing location of control joints in gypsum board assemblies.

B. Product Data: Provide data on metal framing, gypsum board, accessories, and joint finishing system.

C. Product Data: Provide manufacturer's data on partition head to structure connectors, showing compliance with requirements.

PART 2 PRODUCTS

2.01 GYPSUM BOARD ASSEMBLIES

A. Provide completed assemblies complying with ASTM C840 and GA-216.

B. Interior Partitions: Provide completed assemblies with the following characteristics:
   1. Acoustic Attenuation: STC of 45-49 calculated in accordance with ASTM E413, based on tests conducted in accordance with ASTM E90.

C. Fire Rated Assemblies: Provide completed assemblies complying with applicable code.
   1. UL Assembly Numbers: Provide construction equivalent to that listed for the particular assembly in the current UL (FRD).

2.02 METAL FRAMING MATERIALS

A. Non-Loadbearing Framing System Components: ASTM C645; galvanized sheet steel, of size and properties necessary, but no less than 20 gauge (0.296") non-load bearing studs, to comply with ASTM C754 for the spacing indicated, with maximum deflection of wall framing of L/240 at 5 psf.
   1. At Wall Locations with tile backer and tile, and at wall heights over 16 feet: maximum, wall deflection shall be L/360 at 5 psf. Use no less than 20 gauge (0.033") structural studs, ANSI 108.11.
   2. Studs: "C" shaped with flat or formed webs.
   3. Runners: U shaped, sized to match studs.
   4. Ceiling Channels: C-shaped.
   5. Channel Bridging and Bracing: Pre-notched steel, 7/8 by 7/8 by 50 inches, 0.0329-inch minimum base-steel thickness. Provide in the following locations, as applicable:
      a. Between stud punchouts (at 24" o.c. minimum) in framing for walls to be filled with foamed-in-place insulation.
      b. In non-composite walls in excess of 60 inches (i.e. walls with gypsum board on only one side or walls with gypsum board on neither side (ex. above ceiling areas) at 24" maximum from horizontal tracks, and at 48" o.c. minimum.

B. Grid Suspension System for Gypsum Board Ceiling: ASTM C 645, direct-hung system composed of main beams and cross-furring members that interlock.
   1. Products: Subject to compliance with requirements, provide one of the following:
      a. Armstrong World Industries, Inc.; Drywall Grid Systems.
      b. Chicago Metallic Corporation; Drywall Grid System.
      c. USG Corporation; Drywall Suspension System.

C. Partition Head to Structure Connections: Provide mechanical anchorage devices that accommodate deflection using slotted holes, screws, and anti-friction bushings, preventing rotation of studs while maintaining structural performance of partition.
   1. Structural Performance: Maintain lateral load resistance and vertical movement capacity required by applicable code, when evaluated in accordance with AISI S100.

2. Material: ASTM A653/A653M steel sheet, SS Grade 50/340, with G60/Z180 hot-dipped galvanized coating.
3. Provide components UL-listed for use in UL-listed fire-rated head of partition joint systems of fire rating and movement required.

D. Top of Wall Firestop: Use one of the following:
1. Deflection and Firestop Track: Intumescent strip factory-applied to track flanges expands when exposed to heat or flames to provide a perimeter joint seal.
a. Products:
1) ClarkDietrich Building Systems; BlazeFrame Firestop Deflection Track: www.clarkdietrich.com.
2. Preformed Top Track Firestop Seal:
a. Provide components UL-listed for use in UL-listed fire-resistance-rated head of partition joint systems indicated on drawings.
b. Products:
1) Hilti, Inc; Top Track Seal CFS TTS: www.us.hilti.com.

E. Flat Sheet Blocking: Framing system manufacturer's steel sheet backing plates for use as backer plates to suppport shelves, cabinets, fixtures, handrails, etc. 20 gauge minimum. Length and width as required for items being supported.

2.03 BOARD MATERIALS

A. Manufacturers - Gypsum-Based Board:
1. CertainTeed Corporation: www.certainteed.com.
2. Georgia-Pacific Gypsum: www.gpgypsum.com.
3. National Gypsum Company: www.nationalgypsum.com.
4. USG Corporation: www.usg.com.

B. Gypsum Wallboard: Paper-faced gypsum panels as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
1. Application: Use for vertical surfaces and ceilings, unless otherwise indicated.
2. Unfaced fiber-reinforced gypsum panels as defined in ASTM C1278/C1278M, suitable for paint finish, of the same core type and thickness may be substituted for paper-faced board.
3. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
a. Provide mold resistant type on walls and ceilings in toilet rooms, janitor closets and other locations as indicated on drawings.
4. At Assemblies Indicated with Fire-Resistance Rating: Use type required by indicated tested assembly; if no tested assembly is indicated, use Type X board, UL or WH listed.
5. Thickness:
a. Vertical Surfaces: 5/8 inch.
b. Multi-Layer Assemblies: Thicknesses as indicated on drawings.

C. Backing Board For Tiled Areas:
1. Application: Surfaces behind tile locations.
2. ANSI Cement-Based Board: Non-gypsum-based; aggregated Portland cement panels with glass fiber mesh embedded in front and back surfaces complying with ANSI A118.9 or ASTM C1325.
a. Thickness: 1/2 inch.
3. ASTM Cement-Based Board: Non-gypsum-based, cementitious board complying with ASTM C1288.
a. Thickness: 1/2 inch.
b. Products:
1) James Hardie Building Products, Inc: www.jameshardie.com.
2) National Gypsum Company; PermaBase Brand Cement Board.
3) USG Corporation; Durock Brand Cement Board.

2.04 GYPSUM WALLBOARD ACCESSORIES

A. Acoustic Insulation: ASTM C665; preformed glass fiber, friction fit type, unfaced. Thickness: As required to fill stud cavity.

B. Acoustic Sealant: Acrylic emulsion latex or water-based elastomeric sealant; do not use solvent-based non-curing butyl sealant.
   1. Acceptable Products:
      a. Pecora Corporation; AC-20 FTR Acoustical and Insulation Sealant.
      b. United States Gypsum Co.; SHEETROCK Acoustical Sealant.
   2. Clean joints, and prime as necessary, in accordance with manufacturer's instructions.
   3. Applications:
      a. Both faces of interior gypsum board partitions at perimeter relief joints and through penetrations.
      b. As required for acoustical-rated constructions.
      c. As required for gypsum board shaft-wall assemblies.

C. Finishing Accessories: ASTM C1047, extruded aluminum alloy (6063 T5) or galvanized steel sheet ASTM A924/A924M G90, unless noted otherwise.
   1. Types: As detailed or required for finished appearance.
   2. Special Shapes: In addition to conventional corner bead and control joints, provide U-bead at exposed panel edges.

D. EJ-2 - Aluminum Expansion Joints: Three piece, extruded aluminum. Reveal widths as indicated on drawings.
   1. Finish: Clear anodized.
   2. Basis-of-Design: Fry Reglet, Drywall Expansion Joint DRM-50.

E. High Abuse Corner Bead: Fry Reglet, DMCT-1250 **with chem film finish**. Provide **full height** at locations indicated on drawings. **[ADD 3]**

F. Aluminum Reveal Trim: Extruded accessories of profiles and dimensions indicated.
   1. Acceptable Manufacturers:
      a. Fry Reglet.
      b. Gordon, Inc.
      c. Pittcon Industries.
   2. Aluminum: Alloy and temper with not less than the strength and durability properties of ASTM B 221, Alloy 6063-T5.
   3. Finish: Corrosion-resistant primer compatible with joint compound and finish materials specified.

G. Joint Materials: ASTM C475/C475M and as recommended by gypsum board manufacturer for project conditions.
   1. Tape: 2 inch wide, creased paper tape for joints and corners.

H. Joint Compound for Interior Gypsum Wallboard: For each coat use formulation that is compatible with other compounds applied on previous or for successive coats.
   1. Prefilling: At open joints and damaged surface areas, use setting-type taping compound.
   2. Embedding and First Coat: For embedding tape and first coat on joints, fasteners, and trim flanges, use setting-type taping compound.
   3. Fill Coat: For second coat, use setting-type, sandable topping compound.
   4. Finish Coat: For third coat, use drying-type, all-purpose compound.

I. Screws for Fastening of Gypsum Panel Products to Cold-Formed Steel Studs Less than 0.033 inches in Thickness and Wood Members: ASTM C1002; self-piercing tapping screws, corrosion-resistant.

J. Screws for Fastening of Gypsum Panel Products to Steel Members from 0.033 to 0.112 inch in Thickness: ASTM C954; steel drill screws, corrosion-resistant.

K. Mullion Closures: Spring loaded, extruded aluminum partition gap closures.

1. Material: Aluminum extrusions,6063-T5 or T6 temper, tensile strength 31 KSI.
2. Finish: Annodized to match color of storefrtont/curtain wall framing.
3. Provide acoustic insulation within mullion closure.
4. Basis-of-Design: Gordon, Inc., Mullion Mate Series 40 Partition Closures.
   a. Substitutions: See Section 01 25 00 - Substitution Procedures.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that project conditions are appropriate for work of this section to commence.

B. Do not begin installation of gypsum board panels until building is fully enclosed.

3.02 FRAMING INSTALLATION

A. Metal Framing: Install in accordance with ASTM C754 and manufacturer's instructions.

B. Suspended Ceilings and Soffits: Space framing and furring members as indicated.
   1. Level ceiling system to a tolerance of 1/1200.
   2. Laterally brace entire suspension system.

C. Studs: Space studs at 16 inches on center unless otherwise indicated.
   1. Extend partition framing to structure where indicated and to ceiling in other locations.
   2. Partitions Terminating at Ceiling: Attach ceiling runner securely to ceiling track in accordance with manufacturer's instructions.
   3. Partitions Terminating at Structure: Attach top runner to structure, maintain clearance between top of studs and structure, and connect studs to track using specified mechanical devices in accordance with manufacturer's instructions; verify free movement of top of stud connections; do not leave studs unattached to track.

D. Openings: Reinforce openings as required for weight of doors or operable panels, using not less than double studs at jambs.

E. Blocking: Install wood blocking as specified in Division 6 Section "Rough Carpentry".

3.03 ACOUSTIC ACCESSORIES INSTALLATION

A. Acoustic Insulation: Place tightly within spaces, around cut openings, behind and around electrical and mechanical items within partitions, and tight to items passing through partitions.

B. Acoustic Sealant: Install in accordance with manufacturer's instructions.
   1. Place continuous bead at perimeter of each layer of gypsum board.

3.04 BOARD INSTALLATION

A. Comply with ASTM C840, GA-216, and manufacturer's instructions. Install to minimize butt end joints, especially in highly visible locations.

B. Single-Layer Nonrated: Install gypsum board in most economical direction, with ends and edges occurring over firm bearing.

C. Double-Layer Non-Rated: Use gypsum board for first layer, placed parallel to framing or furring members, with ends and edges occurring over firm bearing. Place second layer perpendicular to framing or furring members. Offset joints of second layer from joints of first layer.

D. Install panels with face side out. Butt panels together for a light contract as edges and ends with not more than 1/16 inch of open space between panels. Do not force into place.

E. Cover both faces of support framing with gypsum in concealed spaces (above ceilings, etc.), except in chases braced internally.
   1. Unless concealed application is indicated or required for sound, fire, air, or smoke ratings, coverage may be accomplished with scraps of not less than 8 sq. ft. in area.
   2. Fit gypsum panels around ducts, pipes, and conduits.
   3. Where partitions intersect structural members projecting below underside of floor/roof slabs and decks, cut gypsum panels to fit profile formed by structural members; allow 1/4- to 3/8-inch-wide joints to install sealant.

F. Attachment to Steel Framing: Attach panels so leading edge or end of each panel is attached to open (unsupported) edges of stud flanges first.

G. Install sound attenuation blankets before installing gypsum panels. Seal joints between edges and abutting structural surfaces with acoustical sealant.

H. Form control and expansion joints with space between edges of adjoining gypsum panels.

I. Cementitious Backing Board: Install over steel framing members where indicated, in accordance with ANSI A108.11 and manufacturer's instructions.
   1. Where tile backing panels abut other types of panels in the same plane, shim surface.

J. Installation on Metal Framing: Use screws for attachment of gypsum board.

3.05 INSTALLATION OF TRIM AND ACCESSORIES

A. Control Joints: Place control joints consistent with lines of building spaces and as follows:
   1. In accordance with ASTM C 840 and GA-216.
   2. Not more than 30 feet apart on walls and ceilings over 50 feet long.
   3. Provide control joints at transitions between differing types of substrate supports (example: between stud framing supports and furring strips on masonry wall).

B. Corner Beads: Install at external corners, using longest practical lengths.

C. Edge Trim: Install at locations where gypsum board abuts dissimilar materials.

3.06 JOINT TREATMENT

A. Joint Compound for Interior Gypsum Wallboard: For each coat use formulation that is compatible with other compounds applied on previous or for successive coats.
   1. Prefilling: At open joints and damaged surface areas, use setting-type taping compound.
   2. Embedding and First Coat: For embedding tape and first coat on joints, fasteners, and trim flanges, use setting-type taping compound.
   3. Fill Coat: For second coat, use setting-type, sandable topping compound.
   4. Finish Coat: For third coat, use drying-type, all-purpose compound.
   5. Skim Coat: For final coat of Level 5 finish, use drying-type, all-purpose compound.

B. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
   1. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.
   2. Level 1: Wall areas above finished ceilings, whether or not accessible in the completed construction.
   3. At fire-rated wall areas above finished ceilings, provide minimum finish levels as required by fire-rated assembly.

C. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
   1. Feather coats of joint compound so that camber is maximum 1/32 inch.

D. Fill and finish joints and corners of cementitious backing board as recommended by manufacturer.

3.07 PROTECTION

A. Protect installed products from damage from weater, condensation, direct sunlight, construction, and other causes during remainder of the construction period.

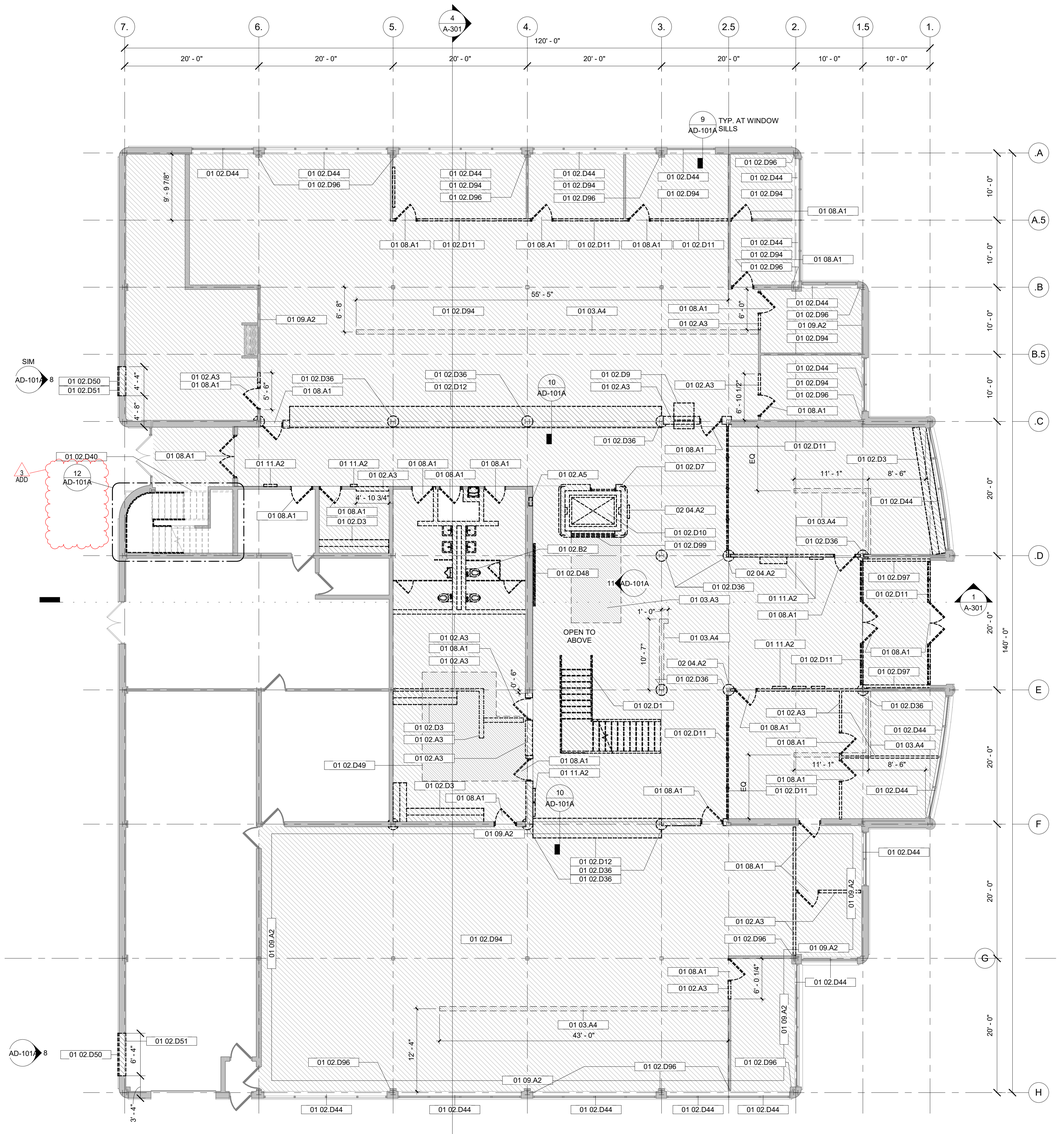
B. Remove and replace panels that are wet, moisture damaged, and mold damaged.
   1. Indications that panels are wet or moisture damaged include, but are not limited to discoloration, sagging, or irregular shape.
   2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

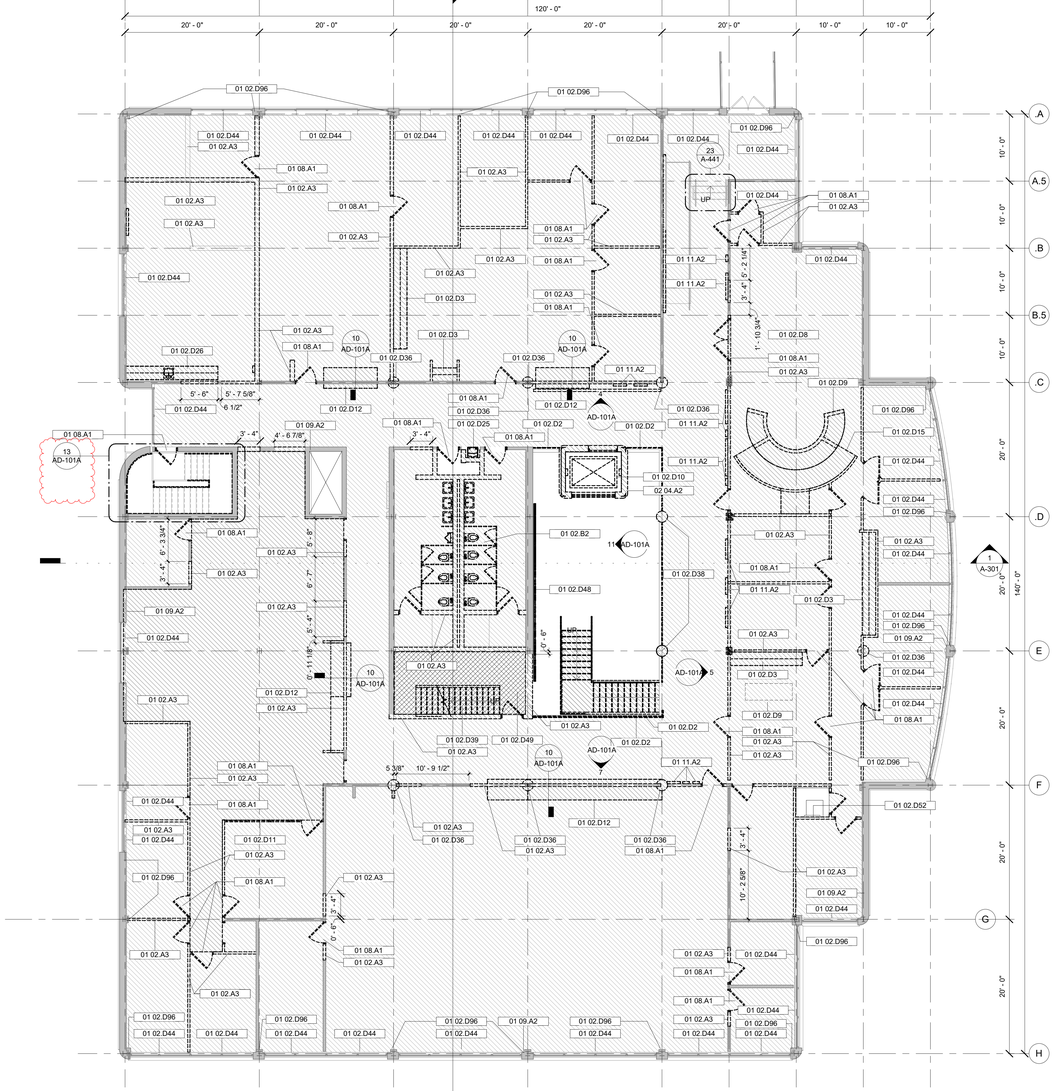
3.08 TOLERANCES

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

END OF SECTION

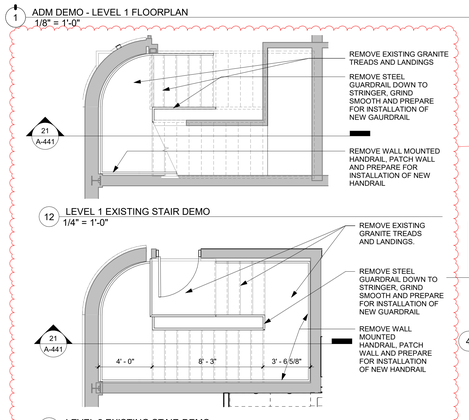
This page intentionally left blank





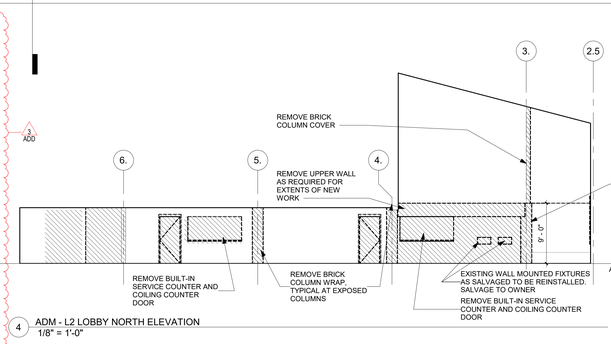
1 ADM DEMO - LEVEL 1 FLOORPLAN
1/8" = 1'-0"

2 ADM DEMO - LEVEL 2 FLOORPLAN
1/8" = 1'-0"

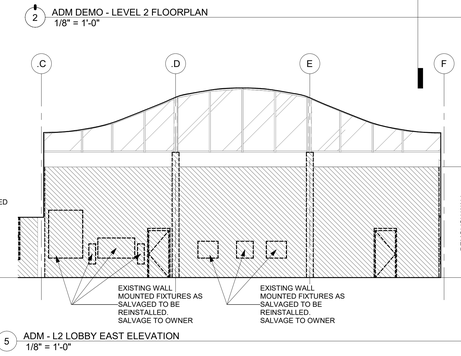


12 LEVEL 1 EXISTING STAIR DEMO
1/4" = 1'-0"

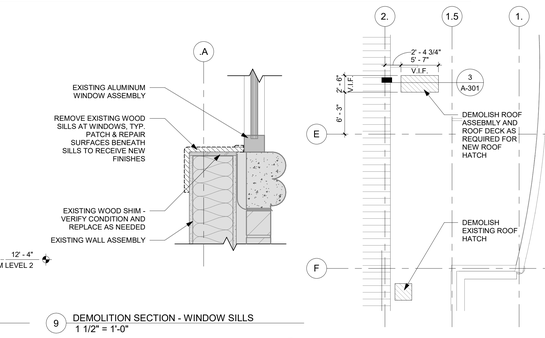
13 LEVEL 2 EXISTING STAIR DEMO
1/4" = 1'-0"



4 ADM - L2 LOBBY NORTH ELEVATION
1/8" = 1'-0"

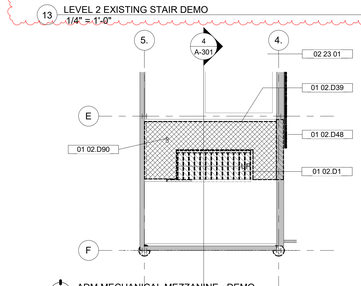


5 ADM - L2 LOBBY EAST ELEVATION
1/8" = 1'-0"



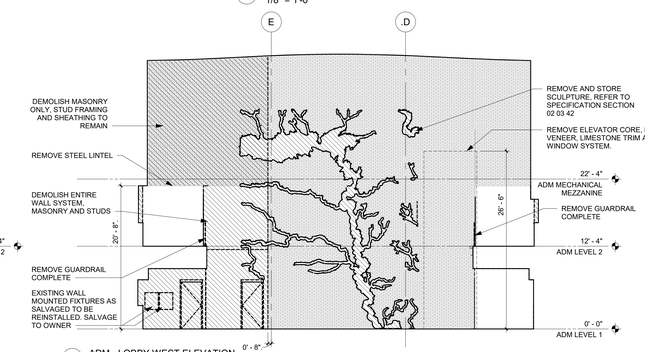
9 DEMOLITION SECTION - WINDOW SILLS
1 1/2" = 1'-0"

6 ADM ROOF ENLARGED DEMO PLAN
1/8" = 1'-0"

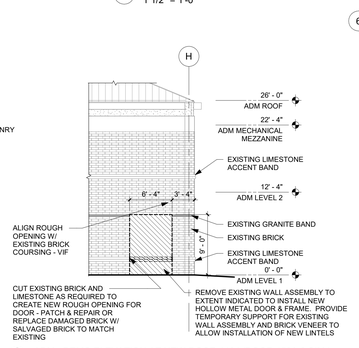


3 ADM MECHANICAL MEZZANINE - DEMO
1/8" = 1'-0"

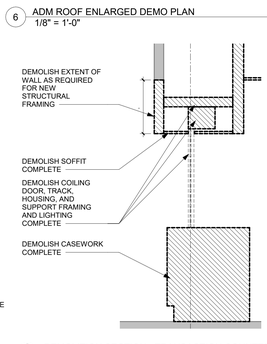
7 ADM - L2 LOBBY SOUTH ELEVATION
1/8" = 1'-0"



11 ADM - LOBBY WEST ELEVATION
1/8" = 1'-0"



8 ADM - DEMO ELEVATION AT NEW DOOR 110J (DOOR 150A.2 SIM.)
1/8" = 1'-0"



10 DEMOLITION SECTION - TRANSACTION COUNTERS TYP
1/2" = 1'-0"

GENERAL NOTES

1. IDENTIFICATION AND/OR ABATEMENT OF HAZARDOUS MATERIALS IS NOT PART OF THIS SCOPE OF WORK. IF ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY.
2. REMOVE LOOSE PAINT AND MISCELLANEOUS HANGING OBJECTS FROM WALLS AND CEILINGS AT ALL AREAS TO RECEIVE NEW FINISHES.
3. OPENING IN THE EXISTING STRUCTURE SMALLER THAN 12" IN ANY DIRECTION ARE NOT IDENTIFIED ON THESE DRAWINGS. SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING OPENINGS SMALLER THAN 12" AS REQUIRED FOR INSTALLATION OF THEIR WORK.
4. OPENINGS IN THE EXISTING STRUCTURE SHALL NOT BE MADE WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
5. PATCH AND REPAIR ALL EXISTING FLOOR SLABS AND WALL SURFACES DAMAGED FROM DEMOLITION OR PRIOR USE.
6. PATCH ALL AREAS OF ELECTRICAL AND MECHANICAL DEMOLITION THAT WILL NOT BE REUSED.
7. CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS. IN THE EVENT OF A DISCREPANCY BETWEEN THE DRAWINGS AND THE EXISTING CONDITIONS, NOTIFY THE ARCHITECT BEFORE PROCEEDING.
8. DO NOT REMOVE ANY ITEMS WHICH JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING. IF HIDDEN ELEMENTS OR DETERIORATED ELEMENTS ARE ENCOUNTERED, NOTIFY THE ARCHITECT IMMEDIATELY.
9. EXISTING BUILDING IS TO REMAIN WEATHER-TIGHT DURING ALL DEMOLITION ACTIVITIES.
10. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL DEMOLITION OF OTHER DISCIPLINES.
11. PROTECT ALL ADJACENT AREAS AND ITEMS "TO REMAIN" DURING DEMOLITION/CONSTRUCTION. REPAIR/REPLACE ALL ITEMS DAMAGED DURING CONSTRUCTION.
12. THE EXISTING BUILDING CONDITIONS SHOWN ON THESE DRAWINGS ARE ASSUMED TO BE REPRESENTATIVE OF THE ACTUAL CONSTRUCTION OF THE BUILDING, BASED ON DRAWINGS OF THE ORIGINAL BUILDING AND LIMITED FIELD OBSERVATION. HOWEVER, IT SHOULD BE NOTED THAT LOCAL CONDITIONS MAY VARY FROM THOSE INDICATED.
13. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ADDITIONAL MEANS OF EGRESS AS NEEDED AS A RESULT OF CONSTRUCTION SEQUENCING AND/OR REGULATORY REQUIREMENTS.
14. REFER TO PLUMBING DRAWINGS FOR SLAB REMOVAL FOR INSTALLATION OF NEW UNDERSLAB PLUMBING WORK.
15. REFER TO ELECTRICAL DRAWINGS FOR SLAB REMOVAL FOR INSTALLATION OF NEW FLOOR BOXES AND UNDERSLAB CONDUIT

DEMOLITION LEGEND

- DENOTES AREA OF COMPLETE REMOVAL OF AN EXISTING BUILDING ELEMENT
- DENOTES AREA OF COMPLETE REMOVAL OF FLOOR FINISH AND CEILING FINISH
- DENOTES AREA OF COMPLETE REMOVAL EXISTING FLOOR SLAB
- DENOTES AREA OF COMPLETE REMOVAL STRUCTURAL FRAMING AND COMPOSITE DECK. SEE STRUCTURAL
- DENOTES AREA OF COMPLETE REMOVAL OF CEILING
- DENOTES EXISTING SHELL SPACE. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DETAILED REMOVAL INFORMATION
- DENOTES EXISTING TO REMAIN
- DENOTES EXISTING DOOR AND FRAME TO BE COMPLETELY REMOVED

KEYNOTE LEGEND

01 02.A3 REMOVE WALLS COMPLETE TO EXTENT INDICATED, FLOOR TO DECK
01 02.A5 REMOVE EXISTING PAY PHONE COMPLETE. PATCH & REPAIR WALL TO MATCH EXISTING
01 02.B2 REMOVE TOILETS, LAVATORIES, MIRRORS, TOILET PARTITIONS, AND TOILET ACCESSORIES.
01 02.D1 REMOVE STAIR AND GUARDRAIL COMPLETE.
01 02.D2 REMOVE GLASS GAURDRAIL
01 02.D3 REMOVE CASEWORK
01 02.D7 REMOVE ELEVATOR CORE AND BRICK VENEER, COMPLETE
01 02.D8 REMOVE CUSTOM WOOD CEILING
01 02.D9 REMOVE MILLWORK
01 02.D10 REMOVE ELEVATOR COMPLETE
01 02.D11 REMOVE WINDOW SYSTEM
01 02.D12 REMOVE BUILT-IN SERVICE COUNTER AND COILING COUNTER DOOR
01 02.D15 REMOVE OVER-FRAMED FLOOR
01 02.D25 REMOVE DRINKING FOUNTAIN, PATCH AND PAINT WALL. SEE PLUMBING DRAWINGS FOR MORE INFORMATION
01 02.D26 REMOVE CASEWORK, COUNTERS AND SINK
01 02.D36 REMOVE BRICK COLUMN WRAP, TYPICAL AT EXPOSED COLUMNS
01 02.D38 REMOVE STEEL COLUMN FROM LEVEL 2 TO TOP OF COLUMN (24'-8")
01 02.D39 REMOVE COMPOSITE METAL DECK AND STRUCTURAL FRAMING FOR NEW ELEVATOR SHAFT, RE: STRUCTURAL DRAWINGS
01 02.D40 REMOVE WALL MOUNTED HANDRAIL
01 02.D44 REMOVE WOOD WINDOW SILL, SEE DETAIL 9/AD-101A
01 02.D48 REMOVE AND STORE WALL SCULPTURE, RE: SPECIFICATIONS
01 02.D49 REMOVE PORTION OF EXISTING SLAB FOR INSTALLATION OF NEW ELEVATOR, RE: STRUCTURAL DEMOLITION DRAWINGS FOR MORE INFORMATION
01 02.D50 REMOVE EXTERIOR WALL MASONRY, WALL FRAMING, AND INTERIOR FINISHES FOR INSTALLATION OF NEW HOLLOW METAL DOOR AND FRAME
01 02.D51 ALIGN WITH BRICK COURSE, VIF
01 02.D52 REMOVE ROOF ACCESS LADDER
01 02.D90 EXISTING COLDWATER SUPPLY AND RETURN PIPES TO REMAIN, PROTECT DURING CONSTRUCTION
01 02.D94 REMOVE WOOD BASE IN THIS ROOM
01 02.D96 REMOVAL OF HYDRONIC PIPING SHALL BE CARRIED OUT IN A MANNER THAT MINIMIZES REMOVAL OF THE EXISTING PIPE CHASE. THE AFFECTED AREA SHALL BE PATCHED AND PAINTED. THE FLOOR AT LEVEL 2 SHALL BE PATCHED USING MATERIALS THAT MATCH THE ORIGINAL SURFACE.
01 02.D97 REMOVE LIMESTONE VENEER WALL
01 02.D99 REMOVE ELEVATOR SHAFT WINDOW
01 03.A3 REMOVE CONCRETE SLAB - SEE STRUCTURAL DEMOLITION DRAWINGS FOR MORE INFORMATION
01 03.A4 REMOVE CONCRETE SLAB AS REQUIRED TO INSTALL CONDUIT AND FLOOR BOXES. SEE ELECTRICAL AND TECHNOLOGY DRAWINGS
01 08.A1 REMOVE DOOR AND FRAME COMPLETE
01 09.A2 REMOVE WALLCOVERING AT REMAINING WALLS, TYP. PREP FOR NEW FINISHES
01 11.A2 EXISTING WALL MOUNTED FIXTURES AS SALVAGED TO BE REINSTALLED. SALVAGE TO OWNER
02 04.A2 CAREFULLY REMOVE EXISTING DATE STONE AND VASE.
02 23 01 EXISTING AIR HANDLING UNIT, RE: MECHANICAL DRAWINGS

OPN ARCHITECTS
24 1/2 S Clinton St., Suite 1
Iowa City, IA 52240
P: 319-248-5667
www.opnarchitects.com

Owner
Johnson County, Iowa

Project
JOHNSON COUNTY ADMINISTRATION AND HEALTH & HUMAN SERVICES BUILDINGS REMODELING PROJECT
913 S Dubuque St,
855 S Dubuque St,
Iowa City, IA 52240

Mechanical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Electrical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Civil Engineer
Hall & Hall Engineers
1860 BOYSON ROAD
HIAWATHA, IA 52233
P. 319-362-9548

Structural Engineer
Raker Rhodes Engineering
112 E. WASHINGTON ST. SUITE B
IOWA CITY, IA 52240
P. 319-333-7850

Key Plan

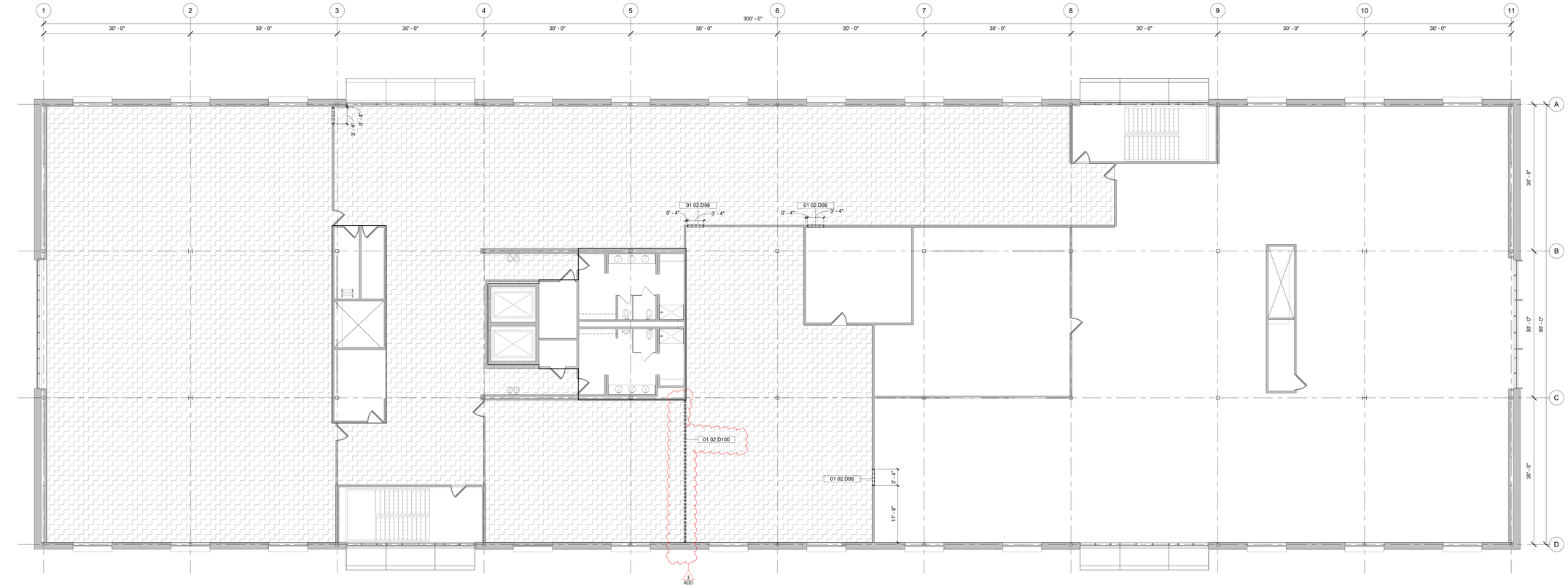
Revision	Description	Date
ADD 3	ADDENDUM 3	6/30/23

OPN Project No.
21412000

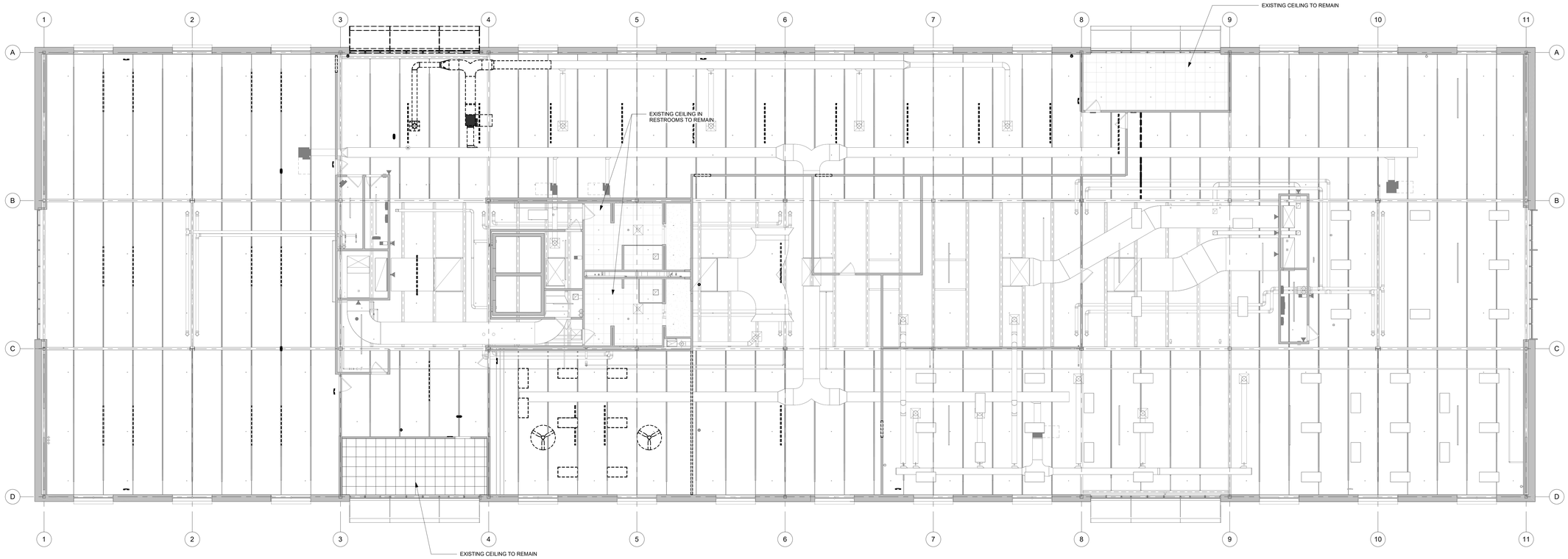
Sheet Issue Date
BID DOCUMENTS **06/06/23**

Sheet Name
ADM DEMO FLOOR PLANS AND ELEVATIONS

Sheet Number
AD-101A



1 HHS DEMO - LEVEL 3 FLOORPLAN
1/8" = 1'-0"



2 HHS LEVEL 3 DEMO RCP
1/8" = 1'-0"

GENERAL NOTES

1. IDENTIFICATION AND/OR ABATEMENT OF HAZARDOUS MATERIALS IS NOT PART OF THIS SCOPE OF WORK. IF ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY.
2. REMOVE LOOSE PAINT AND MISCELLANEOUS HANGING OBJECTS FROM WALLS AND CEILINGS AT ALL AREAS TO RECEIVE NEW FINISHES.
3. OPENING IN THE EXISTING STRUCTURE SMALLER THAN 12" IN ANY DIRECTION ARE NOT IDENTIFIED ON THESE DRAWINGS. SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING OPENINGS SMALLER THAN 12" AS REQUIRED FOR INSTALLATION OF THEIR WORK.
4. OPENINGS IN THE EXISTING STRUCTURE SHALL NOT BE MADE WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
5. PATCH AND REPAIR ALL EXISTING FLOOR SLABS AND WALL SURFACES DAMAGED FROM DEMOLITION OR PRIOR USE.
6. PATCH ALL AREAS OF ELECTRICAL AND MECHANICAL DEMOLITION THAT WILL NOT BE REUSED.
7. CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS. IN THE EVENT OF A DISCREPANCY BETWEEN THE DRAWINGS AND THE EXISTING CONDITIONS, NOTIFY THE ARCHITECT BEFORE PROCEEDING.
8. DO NOT REMOVE ANY ITEMS WHICH JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING. IF HIDDEN ELEMENTS OR DETERIORATED ELEMENTS ARE ENCOUNTERED, NOTIFY THE ARCHITECT IMMEDIATELY.
9. EXISTING BUILDING IS TO REMAIN WEATHER-TIGHT DURING ALL DEMOLITION ACTIVITIES.
10. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL DEMOLITION OF OTHER DISCIPLINES.
11. PROTECT ALL ADJACENT AREAS AND ITEMS "TO REMAIN" DURING DEMOLITION/CONSTRUCTION. REPAIR/REPLACE ALL ITEMS DAMAGED DURING CONSTRUCTION.
12. THE EXISTING BUILDING CONDITIONS SHOWN ON THESE DRAWINGS ARE ASSUMED TO BE REPRESENTATIVE OF THE ACTUAL CONSTRUCTION OF THE BUILDING, BASED ON DRAWINGS OF THE ORIGINAL BUILDING AND LIMITED FIELD OBSERVATION. HOWEVER, IT SHOULD BE NOTED THAT LOCAL CONDITIONS MAY VARY FROM THOSE INDICATED.
13. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ADDITIONAL MEANS OF EGRESS AS NEEDED AS A RESULT OF CONSTRUCTION SEQUENCING AND/OR REGULATORY REQUIREMENTS.
14. REFER TO PLUMBING DRAWINGS FOR SLAB REMOVAL FOR INSTALLATION OF NEW UNDERSLAB PLUMBING WORK
15. REFER TO ELECTRICAL DRAWINGS FOR SLAB REMOVAL FOR INSTALLATION OF NEW FLOOR BOXES AND UNDERSLAB CONDUIT

DEMOLITION LEGEND

- DENOTES AREA OF COMPLETE REMOVAL OF AN EXISTING BUILDING ELEMENT
- DENOTES AREA OF COMPLETE REMOVAL OF FLOOR FINISH AND CEILING FINISH
- DENOTES AREA OF COMPLETE REMOVAL EXISTING FLOOR SLAB
- DENOTES AREA OF COMPLETE REMOVAL STRUCTURAL FRAMING AND COMPOSITE DECK. SEE STRUCTURAL
- DENOTES AREA OF COMPLETE REMOVAL OF CEILING
- DENOTES EXISTING SHELL SPACE. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DETAILED REMOVAL INFORMATION
- DENOTES EXISTING TO REMAIN
- DENOTES EXISTING DOOR AND FRAME TO BE COMPLETELY REMOVED

KEYNOTE LEGEND

01 02.D98 REMOVE PORTION OF WALL FOR INSTALLATION OF NEW DOOR FRAME AND DOOR

01 02.D100 SALVAGE DEMOUNTABLE PARTITION AND TURN OVER TO OWNER.

GENERAL NOTES

1. IDENTIFICATION AND/OR ABATEMENT OF HAZARDOUS MATERIALS IS NOT PART OF THIS SCOPE OF WORK. IF ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY.
2. REFER TO SPECIFICATION FOR RECYCLING, CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL REQUIREMENTS.
3. REMOVE LOOSE PAINT AND MISCELLANEOUS HANGING OBJECTS FROM WALLS AND CEILINGS AT ALL AREAS TO RECEIVE NEW FINISHES.
4. OPENING IN THE EXISTING STRUCTURE SMALLER THAN 12" IN ANY DIRECTION ARE NOT IDENTIFIED ON THESE DRAWINGS. SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING OPENINGS SMALLER THAN 12" AS REQUIRED FOR INSTALLATION OF THEIR WORK.
5. OPENINGS IN THE EXISTING STRUCTURE SHALL NOT BE MADE WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
6. PATCH ALL AREAS OF ELECTRICAL AND MECHANICAL DEMOLITION THAT WILL NOT BE REUSED.
7. CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS. IN THE EVENT OF A DISCREPANCY BETWEEN THE DRAWINGS AND THE EXISTING CONDITIONS, NOTIFY THE ARCHITECT BEFORE PROCEEDING.
8. DO NOT REMOVE ANY ITEMS WHICH JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING. IF HIDDEN ELEMENTS OR DETERIORATED ELEMENTS ARE ENCOUNTERED, NOTIFY THE ARCHITECT IMMEDIATELY.
9. PATCH ALL REMAINING EXISTING EXPOSED PLASTER CEILING AS REQUIRED TO RECEIVE NEW FINISH.
10. EXISTING BUILDING IS TO REMAIN WEATHER-TIGHT DURING ALL DEMOLITION ACTIVITIES.
11. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL DEMOLITION OF OTHER DISCIPLINES.
12. PROTECT ALL ADJACENT AREAS AND ITEMS "TO REMAIN" DURING DEMOLITION/CONSTRUCTION. REPAIR/REPLACE ALL ITEMS DAMAGED DURING CONSTRUCTION.
13. EXISTING BUILDING CONDITIONS SHOWN ON THESE DRAWINGS ARE DERIVED FROM DRAWINGS OF THE ORIGINAL BUILDING AND FROM LIMITED FIELD OBSERVATION.
14. INDICATED EXISTING BUILDING CONDITIONS ARE ASSUMED TO BE REPRESENTATIVE OF THE ACTUAL CONSTRUCTION OF THE BUILDING. LOCAL CONDITIONS MAY VARY

DEMOLITION CEILING LEGEND

- EXISTING ELEMENT TO BE REMOVED IN ENTIRETY
- EXISTING GYPSUM BOARD CEILING TO BE REMOVED IN ITS ENTIRETY
- EXISTING ACOUSTIC CEILING TILE SYSTEM TO BE REMOVED IN ITS ENTIRETY

OPN ARCHITECTS
24 1/2 S Clinton St., Suite 1
Iowa City, IA 52240
P: 319-248-5667
www.opnarchitects.com

Owner
Johnson County, Iowa

Project
JOHNSON COUNTY ADMINISTRATION AND HEALTH & HUMAN SERVICES BUILDINGS REMODELING PROJECT

913 S Dubuque St,
855 S Dubuque St,
Iowa City, IA 52240

Mechanical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Electrical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Civil Engineer
Hall & Hall Engineers
1860 BOYSON ROAD
HIAWATHA, IA 52233
P. 319-362-9548

Structural Engineer
Raker Rhodes Engineering
112 E. WASHINGTON ST. SUITE B
IOWA CITY, IA 52240
P. 319-333-7850

Key Plan

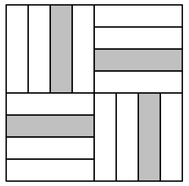
Revision	Description	Date
ADD 3	ADDENDUM 3	6/30/23

OPN Project No.
21412000

Sheet Issue Date
BID DOCUMENTS **06/06/23**

Sheet Name
HHS LEVEL THREE DEMO FLOOR PLAN AND RCP

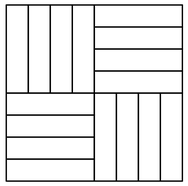
Sheet Number
AD-101B



CARPET PATTERN 1 - COLOR LEGEND
CPT 2
CPT 4

*REFER TO A-609 FOR CARPET TYPE DETAILS

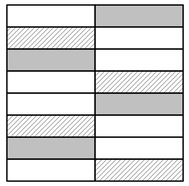
1 CARPET PATTERN 1 - ADM
1/2" = 1'-0"



CARPET PATTERN 2 - COLOR LEGEND
CPT 2

*REFER TO A-609 FOR CARPET TYPE DETAILS

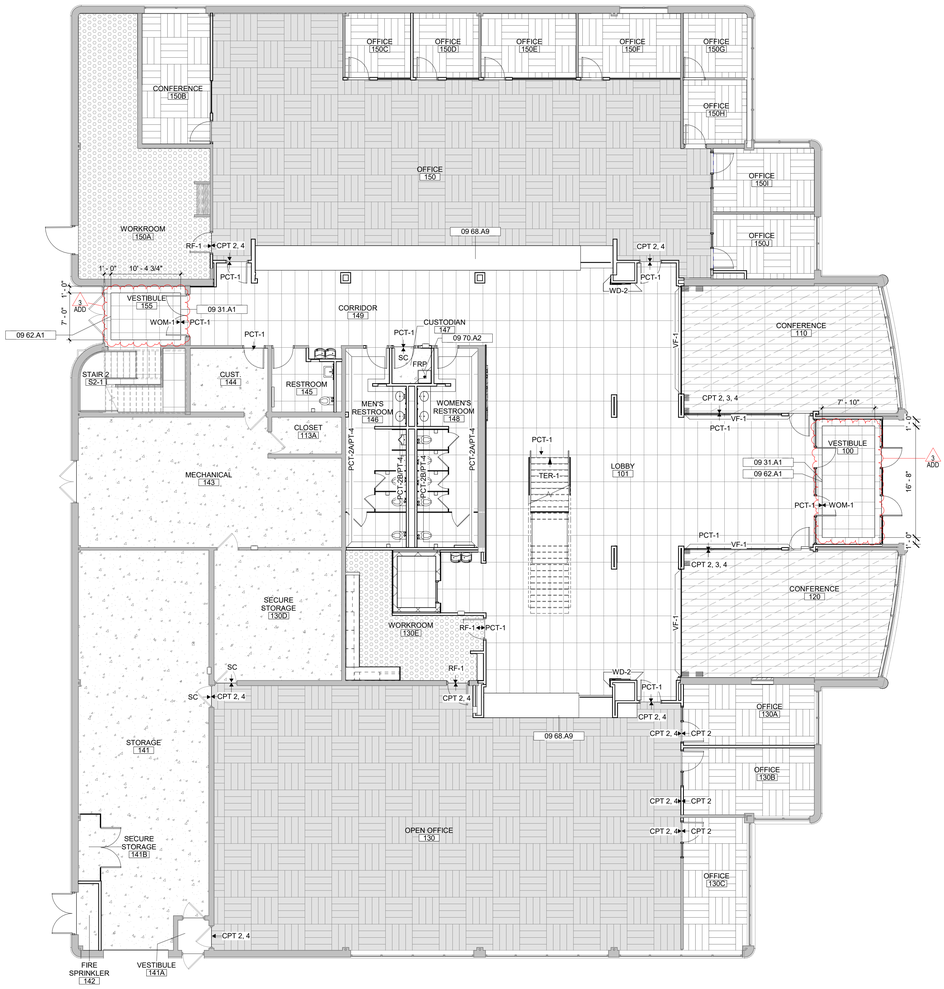
2 CARPET PATTERN 2 - ADM
1/2" = 1'-0"



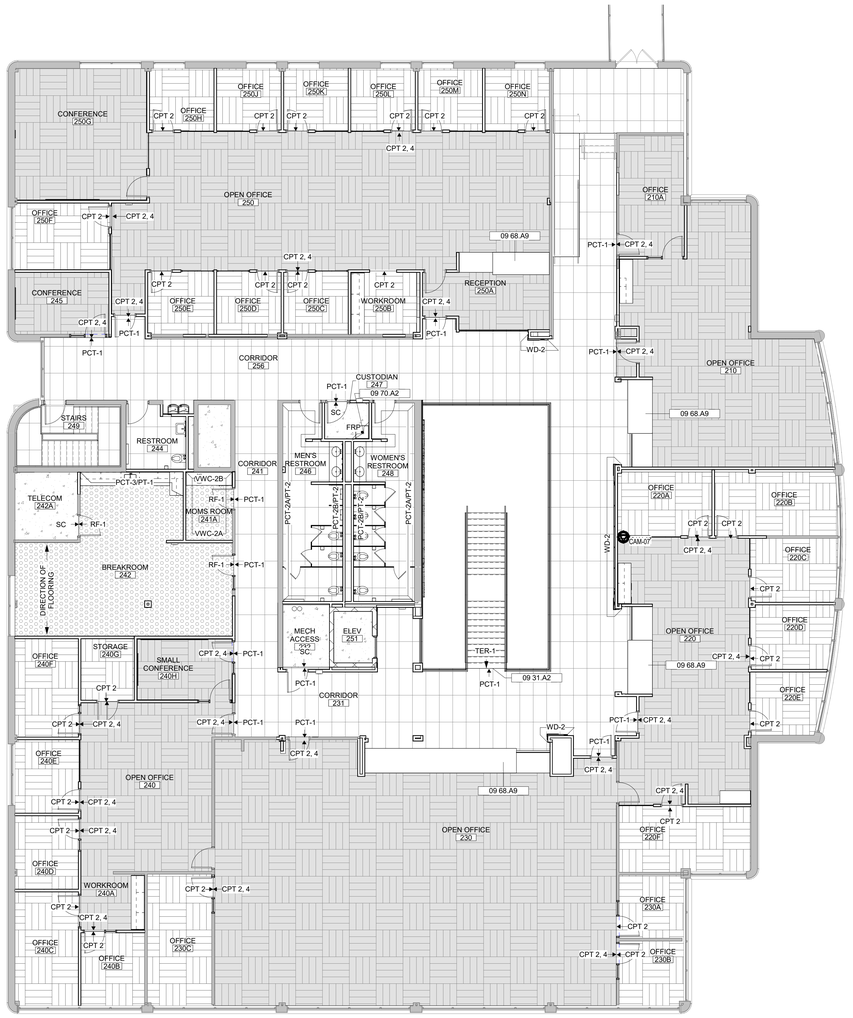
CARPET PATTERN 3 - COLOR LEGEND
CPT-2
CPT-3
CPT-4

*REFER TO A-609 FOR CARPET TYPE DETAILS

3 CARPET PATTERN 3 - ADM
1/2" = 1'-0"



4 ADM - LEVEL 1 FINISH PLAN
1/8" = 1'-0"



5 ADM - LEVEL 2 FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES

1. DIMENSIONS ARE MEASURED FACE-OF-FINISH TO FACE-OF-FINISH OR ROUGH MASONRY OPENING UNLESS NOTED OTHERWISE - TYPICAL FOR ALL DRAWINGS.
2. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS - TYPICAL FOR ALL DRAWINGS.
3. IN THE EVENT OF A DISCREPANCY BETWEEN ARCHITECTURAL AND CONSULTANT DRAWINGS, NOTIFY ARCHITECT IMMEDIATELY PRIOR TO COMMENCING WORK - TYPICAL FOR ALL DRAWINGS.
4. ALL PENETRATIONS IN FIRE RATED FLOORS AND WALLS MUST BE SEALED WITH APPROPRIATE FIRESTOPPING SYSTEM.
5. PATCH AND REPAIR EXISTING FLOOR SLABS AND WALL SURFACES DAMAGED FROM DEMOLITION.
6. PATCH AND REPAIR EXISTING WALL SURFACES WHERE EXISTING ITEMS ARE REMOVED.
7. INSTALL FIRE EXTINGUISHERS AS REQUIRED PER NFPA 10

GENERAL FINISH NOTES

1. PAINT ALL INTERIOR MISCELLANEOUS METAL GRILLES, LOUVERS ACCESS PANELS, PIPES AND CONDUIT EXPOSED TO VIEW TO MATCH THE WALLS IN WHICH THEY OCCUR UNLESS OTHERWISE NOTED.
2. PAINT ALL REVEALS TO MATCH THE WALLS IN WHICH THEY OCCUR.
3. ALL PAINTED HOLLOW METAL DOORS AND FRAMES TO BE PAINTED TO MATCH THE COLOR OF THE WALL IN WHICH THEY OCCUR U.N.O
4. ALL FLOORING MATERIAL TRANSITIONS, TERMINATION AND SEAM LOCATIONS ARE TO BE CENTERED UNDER DOOR LEAFS IN CLOSED POSITION U.N.O.
5. EXTEND FLOORING INTO TOE SPACES, DOOR REVEALS, CLOSETS AND SIMILAR OPENINGS U.N.O.
6. PROVIDE FLOORING TRANSISTION STRIPS AT FLOOR MATERIAL CHANGES. COORDINATE FLOORING TRANSITION MATERIAL, PROFILE, AND COLOR WITH ARCHITECT PRIOR TO INSTALLATION-REFER TO DETAIL DRAWINGS ON A-609 FOR DESIGN INTENT.
7. REFER TO SHEET AG001 FOR TYPICAL MOUNTING HEIGHTS.
8. POWER AND DATA LOCATIONS ARE TO BE COORDINATED IN THE FIELD WITH FINAL FURNISHING PLANS PRIOR TO INSTALLATION OF BOXES, FITTINGS, AND RACEWAYS.

KEYNOTE LEGEND

09 31.A1	PCT-1 FULL TILE PATTERN TO START AT WOM-1 AND CENTERED ON DOOR
09 31.A2	PCT-1 FULL TILE PATTERN TO START CENTERED AT STAIR
09 62.A1	CENTER WALK OFF MAT IN VESTIBULE
09 68.A9	CARPET PATTERN TO EXTEND UNDER COUNTERS
09 70.A2	FRP TO SURROUND MOP SINK

FINISH FLOORING LEGEND:

CPT PATTERN 1
SEE DETAL 1/A121A

CPT PATTERN 2
SEE DETAIL 2/A121A

CPT PATTERN 3
SEE DETAIL 3/A121A

CPT PATTERN 4
CPT 2 - HERRINGBONE

CPT PATTERN 5
SEE DETAIL 2/A121B

CPT PATTERN 6
CPT 2 - ASHLAR

PCT-1
LARGE FORMAT PORCELAIN TILE

RF-1
LVT

SC
SEALED CONCRETE

WOG-1
WALK OFF GRATE

WOM-1
WALK OFF MAT

OPN ARCHITECTS
24 1/2 S Clinton St., Suite 1
Iowa City, IA 52240
P: 319-248-5667
www.opnarchitects.com

Owner
Johnson County, Iowa

Project
JOHNSON COUNTY ADMINISTRATION AND HEALTH & HUMAN SERVICES BUILDINGS REMODELING PROJECT

913 S Dubuque St,
855 S Dubuque St,
Iowa City, IA 52240

Mechanical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Electrical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Civil Engineer
Hall & Hall Engineers
1860 BOYSON ROAD
HIAWATHA, IA 52233
P. 319-362-9548

Structural Engineer
Raker Rhodes Engineering
112 E. WASHINGTON ST. SUITE B
IOWA CITY, IA 52240
P. 319-333-7850

Key Plan

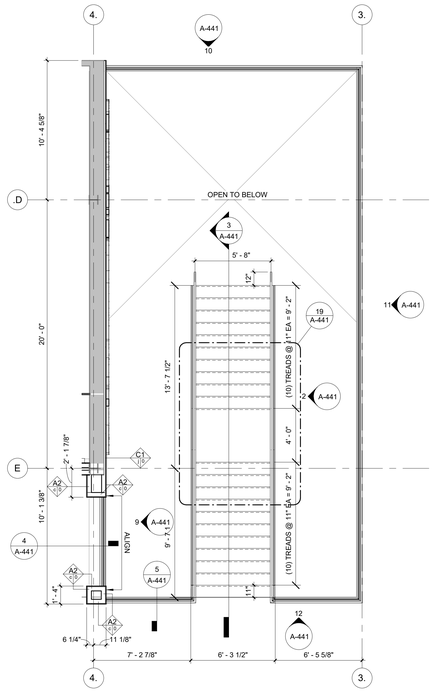
Revision	Description	Date
ADD 3	ADDENDUM 3	6/30/23

OPN Project No.
21412000

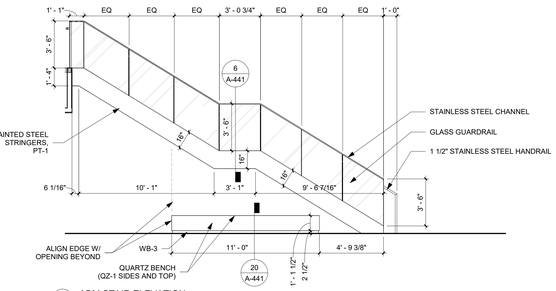
Sheet Issue Date
BID DOCUMENTS **06/06/23**

Sheet Name
ADM FINISH PLANS

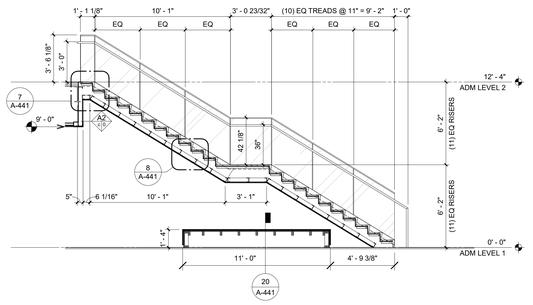
Sheet Number
A-121A



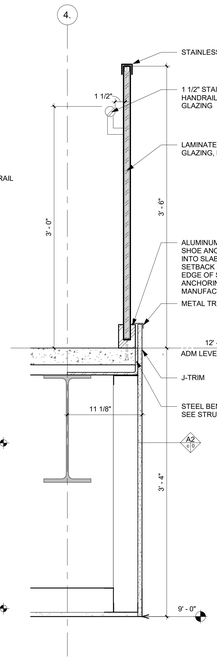
1 ADM - LEVEL 2 STAIR ENLARGED PLAN
1/4" = 1'-0"



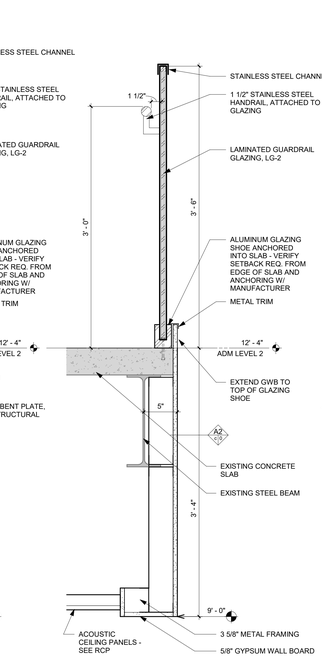
2 ADM STAIR ELEVATION
1/4" = 1'-0"



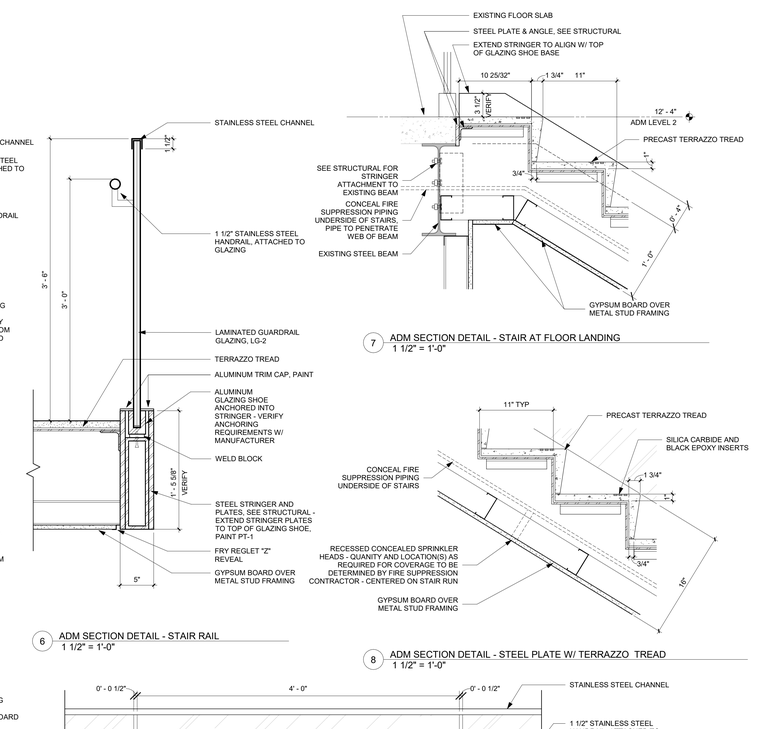
3 ADM STAIR SECTION
1/4" = 1'-0"



4 GUARDRAIL DETAIL @ ADM
1 1/2" = 1'-0"



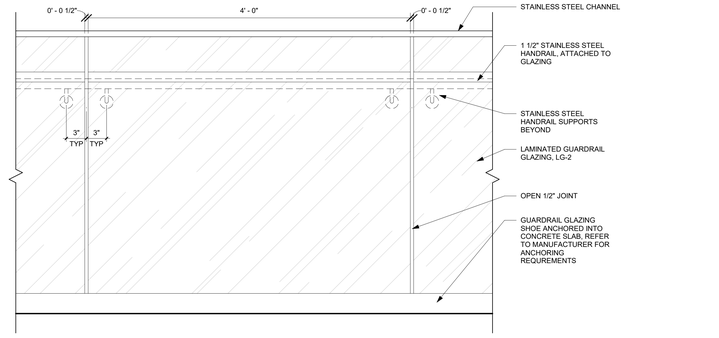
5 GUARDRAIL SECTION @ ADM EXISTING OPENING
1 1/2" = 1'-0"



6 ADM SECTION DETAIL - STAIR RAIL
1 1/2" = 1'-0"

7 ADM SECTION DETAIL - STAIR AT FLOOR LANDING
1 1/2" = 1'-0"

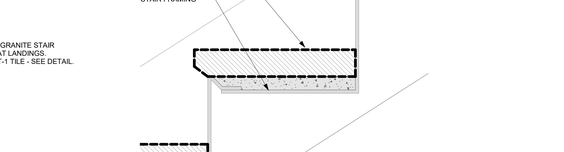
8 ADM SECTION DETAIL - STEEL PLATE W/ TERRAZZO TREAD
1 1/2" = 1'-0"



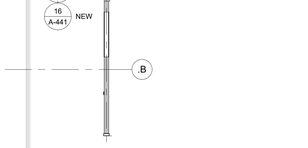
13 ENLARGED ELEVATION - STAIR GUARDRAIL
1 1/2" = 1'-0"

9 WEST GUARDRAIL
1/4" = 1'-0"

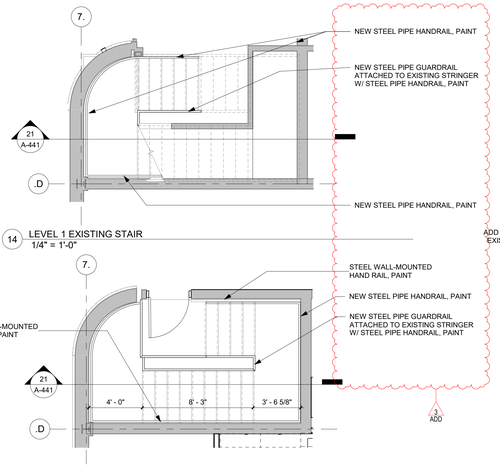
10 NORTH GUARDRAIL
1/4" = 1'-0"



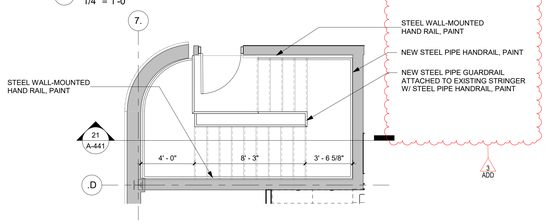
11 EAST GUARDRAIL
1/4" = 1'-0"



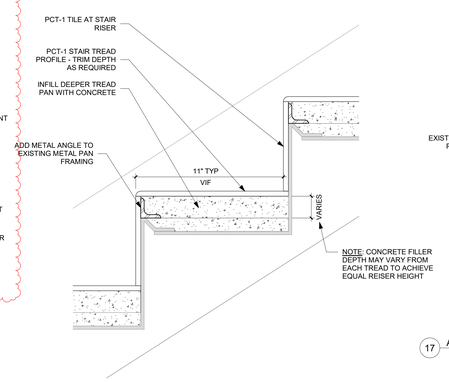
12 SOUTH GUARDRAIL
1/4" = 1'-0"



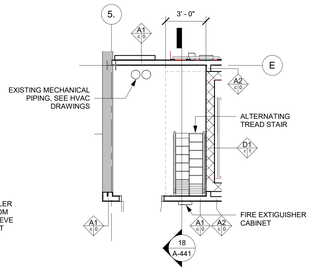
14 LEVEL 1 EXISTING STAIR
1/4" = 1'-0"



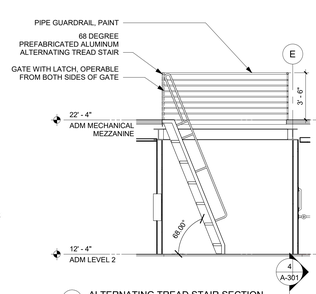
15 LEVEL 2 EXISTING STAIR
1/4" = 1'-0"



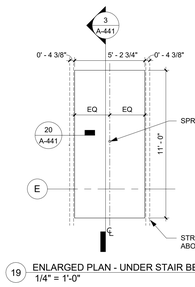
16 STAIR TREAD DETAIL
3" = 1'-0"



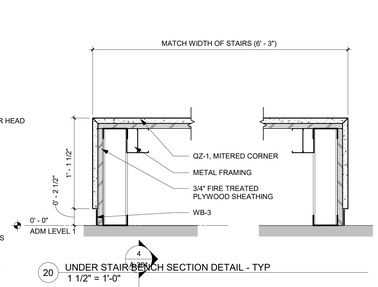
17 ADM - LEVEL 2 FLOOR PLAN - ALT TREAD STAIR
1/4" = 1'-0"



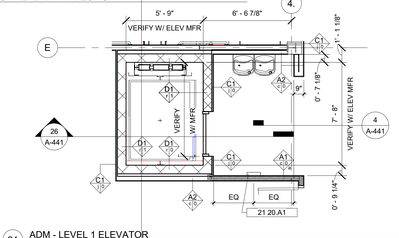
18 ALTERNATING TREAD STAIR SECTION
1/4" = 1'-0"



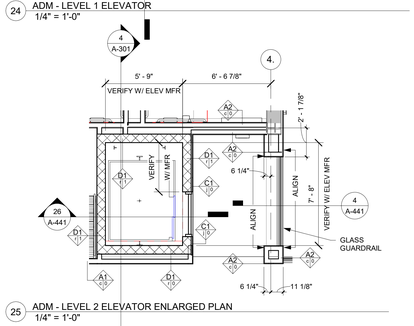
19 ENLARGED PLAN - UNDER STAIR BENCH
1/4" = 1'-0"



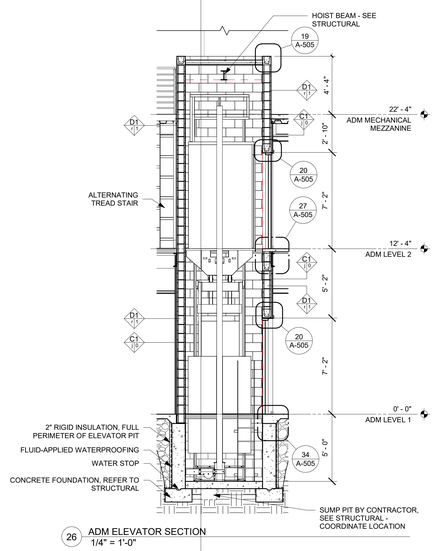
20 UNDER STAIR BENCH SECTION DETAIL - TYP
1 1/2" = 1'-0"



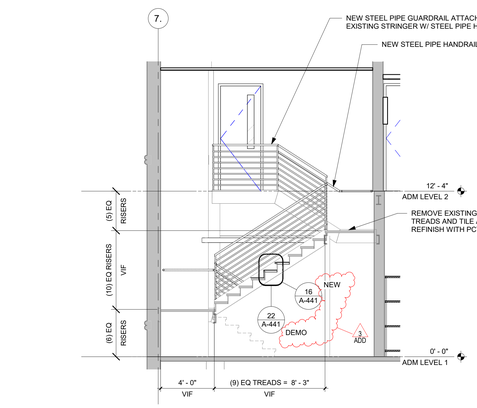
24 ADM - LEVEL 1 ELEVATOR
1/4" = 1'-0"



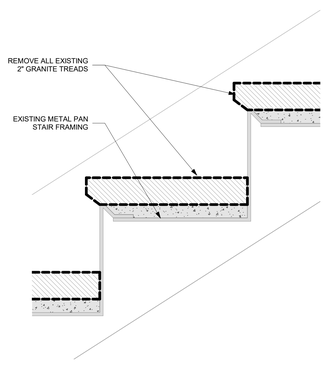
25 ADM - LEVEL 2 ELEVATOR ENLARGED PLAN
1/4" = 1'-0"



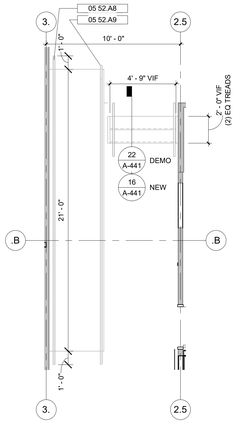
26 ADM ELEVATOR SECTION
1/4" = 1'-0"



21 WEST VESTIBULE STAIR SECTION
1/4" = 1'-0"



22 STAIR TREAD DETAIL - DEMOLITION
3" = 1'-0"



23 EXISTING STAIR AND RAMP
1/4" = 1'-0"

OPN ARCHITECTS

24 1/2 S Clinton St., Suite 1
Iowa City, IA 52240
P: 319-248-5667

www.opnarchitects.com

Owner
Johnson County, Iowa

Project
JOHNSON COUNTY ADMINISTRATION AND HEALTH & HUMAN SERVICES BUILDINGS REMODELING PROJECT

913 S Dubuque St,
855 S Dubuque St,
Iowa City, IA 52240

Mechanical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Electrical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Civil Engineer
Hall & Hall Engineers
1860 BOYSON ROAD
HIAWATHA, IA 52233
P. 319-362-9548

Structural Engineer
Raker Rhodes Engineering
112 E. WASHINGTON ST. SUITE B
IOWA CITY, IA 52240
P. 319-333-7850

Key Plan

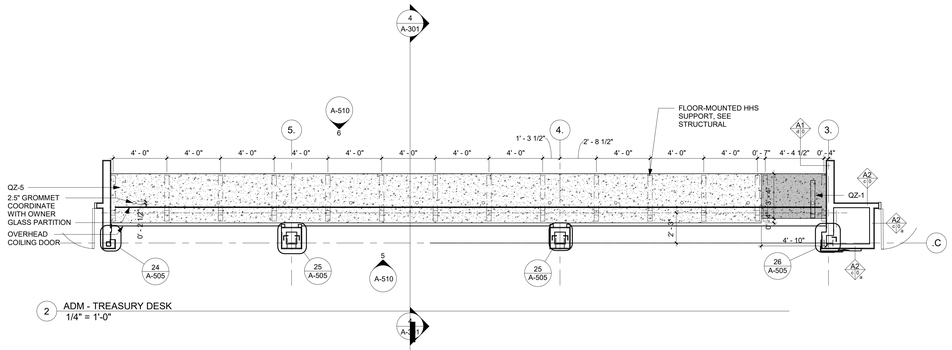
Revision	Description	Date
ADD 3	ADDENDUM 3	6/30/23

OPN Project No.
21412000

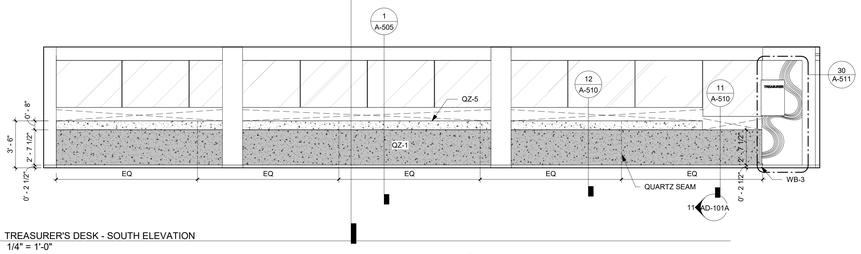
Sheet Issue Date
BID DOCUMENTS **06/06/23**

Sheet Name
VERTICAL CIRCULATION - ENLARGED PLANS

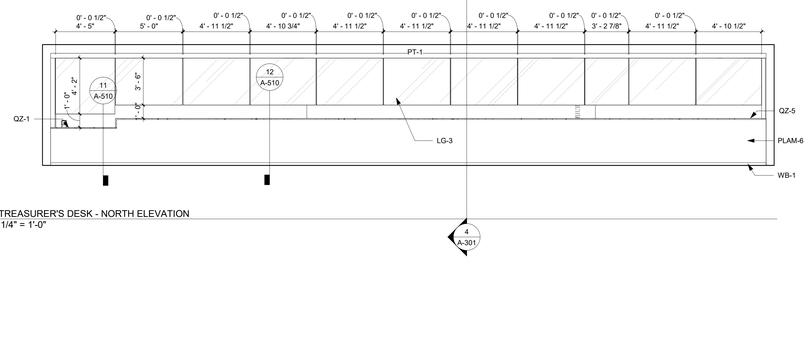
Sheet Number
A-441



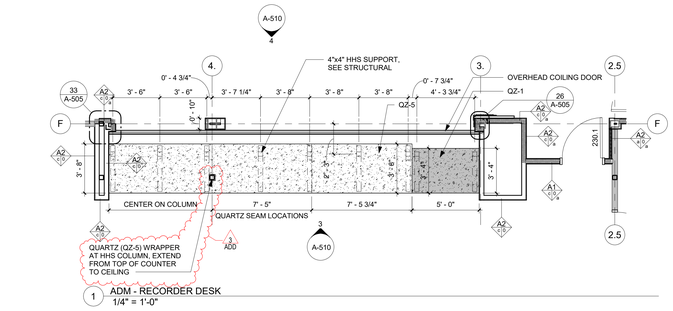
2 ADM - TREASURY DESK
1/4" = 1'-0"



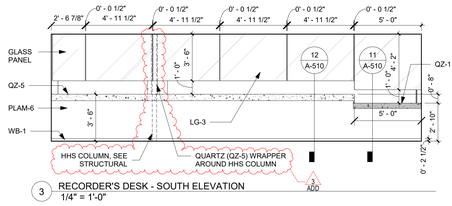
5 TREASURER'S DESK - SOUTH ELEVATION
1/4" = 1'-0"



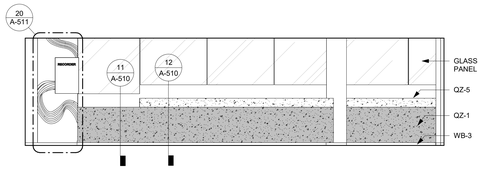
6 TREASURER'S DESK - NORTH ELEVATION
1/4" = 1'-0"



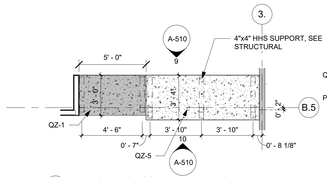
1 ADM - RECORDER DESK
1/4" = 1'-0"



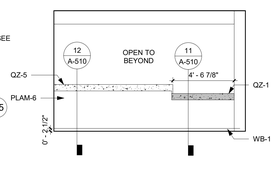
3 RECORDER'S DESK - SOUTH ELEVATION
1/4" = 1'-0"



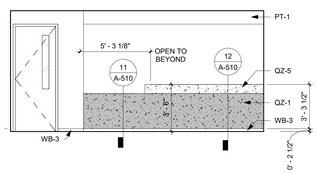
4 RECORDER'S DESK - NORTH ELEVATION
1/4" = 1'-0"



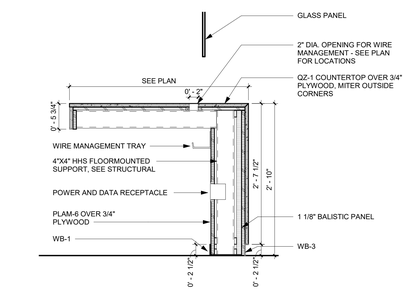
8 250A SERVICE COUNTER ENLARGED PLAN
1/4" = 1'-0"



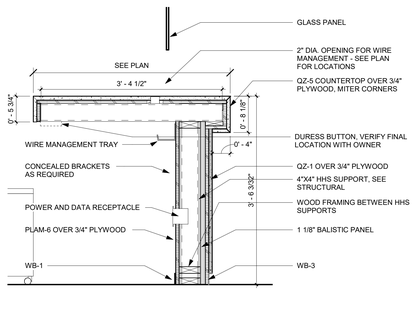
9 RECEPTION 250A DESK - NORTH ELEVATION
1/4" = 1'-0"



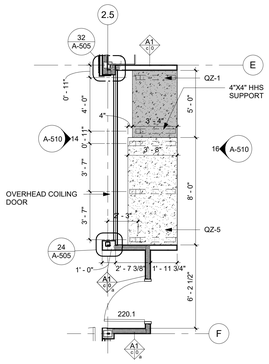
10 RECEPTION 250A DESK - SOUTH ELEVATION
1/4" = 1'-0"



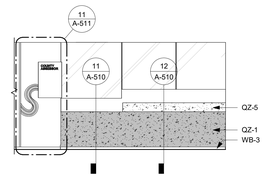
11 CASEWORK SECTION - WORK SURFACE
1" = 1'-0"



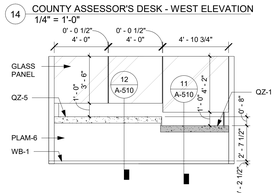
12 CASEWORK SECTION - TRANSACTION
1" = 1'-0"



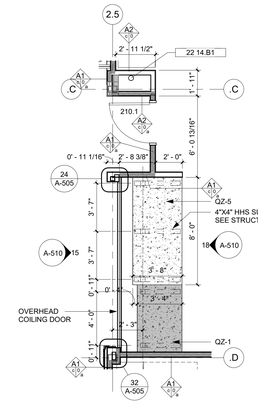
13 ADM - COUNTY ASSESSOR'S DESK
1/4" = 1'-0"



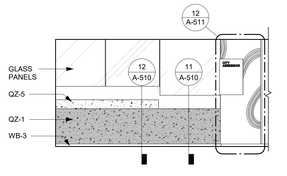
14 COUNTY ASSESSOR'S DESK - WEST ELEVATION
1/4" = 1'-0"



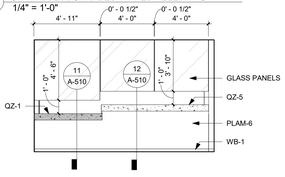
16 COUNTY ASSESSOR'S DESK - EAST ELEVATION
1/4" = 1'-0"



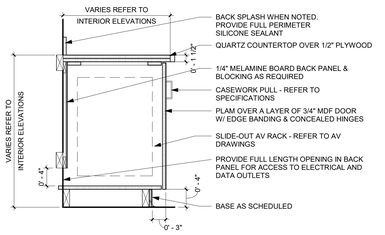
17 ADM - CITY ASSESSOR'S DESK
1/4" = 1'-0"



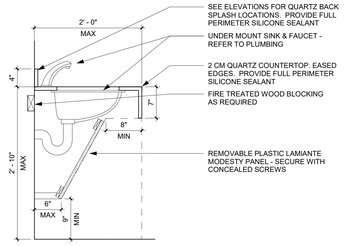
15 CITY ASSESSOR'S DESK - WEST ELEVATION
1/4" = 1'-0"



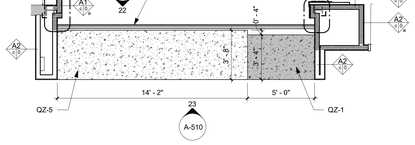
18 CITY ASSESSOR'S DESK - EAST ELEVATION
1/4" = 1'-0"



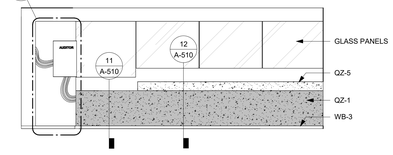
19 CASEWORK SECTION - A/V CABINET
1" = 1'-0"



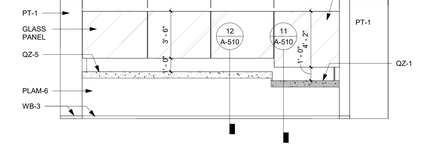
20 CASEWORK SECTION - TYPICAL ADA SINK
1" = 1'-0"



21 ADM - AUDITOR DESK
1/4" = 1'-0"



22 AUDITOR DESK - NORTH ELEVATION
1/4" = 1'-0"



23 AUDITOR DESK - SOUTH ELEVATION
1/4" = 1'-0"

OPN ARCHITECTS
24 1/2 S Clinton St., Suite 1
Iowa City, IA 52240
P: 319-248-5667
www.opnarchitects.com

Owner
Johnson County, Iowa

Project
JOHNSON COUNTY ADMINISTRATION AND HEALTH & HUMAN SERVICES BUILDINGS REMODELING PROJECT

913 S Dubuque St,
855 S Dubuque St,
Iowa City, IA 52240

Mechanical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Electrical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Civil Engineer
Hall & Hall Engineers
1860 BOYSON ROAD
HIAWATHA, IA 52233
P. 319-362-9548

Structural Engineer
Raker Rhodes Engineering
112 E. WASHINGTON ST. SUITE B
IOWA CITY, IA 52240
P. 319-333-7850

Key Plan

Revision	Description	Date
ADD 3	ADDENDUM 3	6/30/23

OPN Project No.
21412000

Sheet Issue Date
BID DOCUMENTS **06/06/23**

Sheet Name
ADM MILLWORK DETAILS

Sheet Number
A-510

ROOM FINISH SCHEDULE - ADM

Level	Number	ROOM NAME	FLOOR FINISH	FLOOR BASE	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING MATERIAL	CEILING FINISH
ADM LEVEL 1										
ADM LEVEL 1	100	VESTIBULE	WOG-1/PCT-1	WB-3	PT-1	--	PT-1	--	GWB	PT-1
ADM LEVEL 1	101	LOBBY	PCT-1	WB-3	PT-1/WD-2	PT-1	PT-1/WD-2	PT-1	OTA/GWB	-- / PT-1
ADM LEVEL 1	110	CONFERENCE	CPT-2,3,4	WB-3	PT-1	PT-1	PT-1	--	ACP-1/GWB	-- / PT-1
ADM LEVEL 1	113A	CLOSET	SC	WB-1	PT-1	PT-1	PT-1	PT-1	EX	EX
ADM LEVEL 1	120	CONFERENCE	CPT-2,3,4	WB-3	PT-1	PT-1	PT-1	--	ACP-1/GWB	-- / PT-1
ADM LEVEL 1	130	OPEN OFFICE	CPT-2,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3/GWB	PT-1
ADM LEVEL 1	130A	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 1	130B	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 1	130C	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 1	130D	SECURE STORAGE	SC	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-2	--
ADM LEVEL 1	130E	WORKROOM	RF-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-2	--
ADM LEVEL 1	141	STORAGE	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
ADM LEVEL 1	141A	VESTIBULE	WOM-1	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
ADM LEVEL 1	141B	SECURE STORAGE	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
ADM LEVEL 1	142	FIRE SPRINKLER	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
ADM LEVEL 1	143	MECHANICAL	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
ADM LEVEL 1	144	CUST.	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
ADM LEVEL 1	145	RESTROOM	PCT-1	PCT-2B	PCT-2B/PT-2	PCT-2B/PT-2	PCT-2B/PT-2	PCT-2B/PT-2	GWB	PT-1
ADM LEVEL 1	146	MEN'S RESTROOM	PCT-1	PCT-2A/2B	PCT-2B/PT-2	PCT-2B/PT-2	PCT-2B/PT-2	PCT-2A/PT-2	GWB	PT-1
ADM LEVEL 1	147	CUSTODIAN	SC	WB-1	PT-1	PT-1/FRP	PT-1/FRP	PT-1	OTS	PT-1
ADM LEVEL 1	148	WOMEN'S RESTROOM	PCT-1	PCT-2A/2B	PCT-2B/PT-2	PCT-2A/PT-2	PCT-2B/PT-2	PCT-2B/PT-2	GWB	PT-1
ADM LEVEL 1	149	CORRIDOR	PCT-1	WB-3	PT-1/WD-2	PT-1	PT-1	PT-1	GWB	PT-1
ADM LEVEL 1	150	OFFICE	CPT-2,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3/GWB	-- / PT-1
ADM LEVEL 1	150A	WORKROOM	RF-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-2	--
ADM LEVEL 1	150B	CONFERENCE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 1	150C	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 1	150D	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 1	150E	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 1	150F	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 1	150G	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 1	150H	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 1	150I	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 1	150J	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 1	155	VESTIBULE	WOG-1/PCT-1	WB-3	PT-1	PT-1	PT-1	PT-1	GWB	PT-1
ADM LEVEL 1	S2-1	STAIR 2	PCT-1	WB-3	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
ADM LEVEL 2										
ADM LEVEL 2	210	OPEN OFFICE	CPT-2,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3/GWB	PT-1
ADM LEVEL 2	210A	OFFICE	CPT-2,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	220	OPEN OFFICE	CPT-2,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3/GWB	--/PT-1
ADM LEVEL 2	220A	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	220B	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	220C	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	220D	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	220E	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	220F	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	230	OPEN OFFICE	CPT-2,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3/GWB	--/PT-1
ADM LEVEL 2	230A	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	230B	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	230C	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	231	CORRIDOR	PCT-1	WB-3	PT-1	--	PT-1/WD-2	PT-1	OTA/GWB	-- / PT-1
ADM LEVEL 2	232	MECH ACCESS	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
ADM LEVEL 2	240	OPEN OFFICE	CPT-2,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	240A	WORKROOM	CPT-2,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	240B	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	240C	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	240D	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	240E	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	240F	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	240G	STORAGE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-2	--
ADM LEVEL 2	240H	SMALL CONFERENCE	CPT-2,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-4	--
ADM LEVEL 2	241	CORRIDOR	PCT-1	WB-3	--	PT-1	PT-1	PT-1	ACP-1	--
ADM LEVEL 2	241A	MOMS ROOM	RF-1	WB-1	VWC-2B	VWC-2A	VWC-2A	VWC-2A	ACP-3	--
ADM LEVEL 2	242	BREAKROOM	RF-1	WB-1	PT-1/PCT-3	PT-1/PCT-3	PT-1	PT-1	ACP-2	--
ADM LEVEL 2	242A	TELECOM	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
ADM LEVEL 2	244	RESTROOM	PCT-1	PCT-2B	PCT-2B/PT-2	PCT-2B/PT-2	PCT-2B/PT-2	PCT-2B/PT-2	GWB	PT-1
ADM LEVEL 2	245	CONFERENCE	CPT-2,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-4	--
ADM LEVEL 2	246	MEN'S RESTROOM	PCT-1	PCT-2A/2B	PCT-2B/PT-2	PCT-2B/PT-2	PCT-2B/PT-2	PCT-2A/PT-2	GWB	PT-1
ADM LEVEL 2	247	CUSTODIAN	SC	WB-1	PT-1	PT-1/FRP	PT-1/FRP	PT-1	OTS	PT-1
ADM LEVEL 2	248	WOMEN'S RESTROOM	PCT-1	PCT-2A/2B	PCT-2B/PT-2	PCT-2A/PT-2	PCT-2B/PT-2	PCT-2B/PT-2	GWB	PT-1
ADM LEVEL 2	249	STAIRS	PCT-1	WB-3	PT-1	PT-1	PT-1	PT-1	ACP-2	--
ADM LEVEL 2	250	OPEN OFFICE	CPT-2,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	250A	RECEPTION	CPT-2,4	WB-3	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	250B	WORKROOM	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	250C	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	250D	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	250E	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	250F	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	250G	CONFERENCE	CPT-2,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-4	--
ADM LEVEL 2	250H	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	250J	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	250K	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	250L	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	250M	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	250N	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
ADM LEVEL 2	251	ELEV	WOM-1	-	PLAM-1	PLAM-1	PLAM-1	PLAM-1	--	--
ADM LEVEL 2	256	CORRIDOR	PCT-1	WB-3	PT-1/WD-2	--	PT-1	--	OTA/GWB/ACP-1	-- / PT-1/--

ROOM FINISH SCHEDULE - HHS

Level	Number	ROOM NAME	FLOOR FINISH	FLOOR BASE	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING MATERIAL	CEILING FINISH
HHS LEVEL 3										
HHS LEVEL 3	301	BOARD ROOM	CPT-4	WB-3	PT-1/WD-2	PT-1	PT-1	PT-1	GWB/GWB-2/ACP-3	PT-1/--
HHS LEVEL 3	302	LOBBY	CPT-2,3,4	WB-3	PT-1	PT-1	PT-1	PT-1/WD-2	GWB	PT-1
HHS LEVEL 3	302A	ACC.	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
HHS LEVEL 3	302B	ELECTRICAL	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
HHS LEVEL 3	302C	RESTROOM	PCT-1	PCT-2B	PCT-2B/PT-2	PCT-2B/PT-2	PCT-2B/PT-2	PCT-2B/PT-2	GWB	PT-1
HHS LEVEL 3	302D	MECH/ BOILER	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
HHS LEVEL 3	304	CORRIDOR	CPT-2,3,4	WB-3	PT-1	PT-1	PT-1	--	GWB	PT-1
HHS LEVEL 3	304A	MECHANICAL	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
HHS LEVEL 3	304B	WOMEN'S RESTROOM	EX	EX	EX	EX	EX	EX	EX	EX
HHS LEVEL 3	305	CORRIDOR	CPT-2,3,4	WB-3	PT-1	PT-1	PT-1	--	GWB	PT-1
HHS LEVEL 3	305A	CUSTODIAL	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
HHS LEVEL 3	305B	MEN'S RESTROOM	EX	EX	EX	EX	EX	EX	EX	EX
HHS LEVEL 3	306	CORRIDOR	EX	EX	EX	EX	EX	EX	EX	EX
HHS LEVEL 3	306A	FITNESS	EX	EX	EX	EX	EX	EX	EX	EX
HHS LEVEL 3	306B	FLEX	EX	EX	EX	EX	EX	EX	EX	EX
HHS LEVEL 3	306C	DATA	EX	EX	EX	EX	EX	EX	EX	EX
HHS LEVEL 3	306D	STORAGE	EX	EX	EX	EX	EX	EX	EX	EX
HHS LEVEL 3	306E	WELLNESS	EX	EX	EX	EX	EX	EX	EX	EX
HHS LEVEL 3	309	FLEX	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
HHS LEVEL 3	309A	ELEC/DATA	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
HHS LEVEL 3	309B	BALLOT STORAGE	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
HHS LEVEL 3	311	CORRIDOR	CPT-2,3,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-2	--
HHS LEVEL 3	311A	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	311B	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	311C	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	311D	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	311E	VIDEO PRODUCTION	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	311F	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	311G	STORAGE	SC	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
HHS LEVEL 3	312A	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	312B	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	312C	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	312D	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	312E	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	312F	STORAGE/AV	CPT-2,3,4	WB-1	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
HHS LEVEL 3	313	CORRIDOR	CPT-2,3,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-2/GWB	--
HHS LEVEL 3	313A	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	313B	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	313C	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	313D	CONFERENCE	CPT-2,3,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-4	--
HHS LEVEL 3	313E	COLLABORATION	CPT-2,3,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	313F	COPY/KITCHEN	RF-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-2	--
HHS LEVEL 3	313G	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	313H	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	314	CORRIDOR	CPT-2,3,4	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-2/GWB	--/PT-1
HHS LEVEL 3	314A	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	314B	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	314C	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	314D	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	314E	OFFICE	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	314F	RECEPTION	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	ACP-3	--
HHS LEVEL 3	S1-3	STAIR 1-3	EX	EX	PT-1	PT-1	PT-1	PT-1	OTS	PT-1
HHS LEVEL 3	S2-3	STAIR 2-3	EX	EX	PT-1	PT-1	PT-1	PT-1	OTS	PT-1

ACOUSTICAL CEILING PANELS

ACP-1: MANUFACTURER: ARMSTRONG
STYLE: CALLA
SIZE: 24" X 72"
GRID TYPE: PRELUDE XL
EDGE PROFILE: BEVELED TEGULAR 15/16
COLOR: WHITE

MANUFACTURER: USG
STYLE: MARS HIGH NRC (89665)
SIZE: 24" X 72"
GRID TYPE: DONN BRAND DX
EDGE PROFILE: BEVELED TEGULAR 15/16
COLOR: WHITE

APPLICATION: LARGE FORMAT AT PUBLIC SPACES

ACP-2: MANUFACTURER: ARMSTRONG
STYLE: CANYON
SIZE: 24" X 24"
GRID TYPE: PRELUDE XL
EDGE PROFILE: BEVELED TEGULAR 15/16
COLOR: WHITE

MANUFACTURER: USG
STYLE: MARS (86785)
SIZE: 24" X 24"
GRID TYPE: DONN BRAND DX
EDGE PROFILE: BEVELED TEGULAR 15/16
COLOR: WHITE

APPLICATION: TYPICAL

ACP-3: MANUFACTURER: ARMSTRONG
STYLE: CALLA
SIZE: 24" X 24"
GRID TYPE: PRELUDE XL
EDGE PROFILE: SQUARE TEGULAR 15/16
COLOR: WHITE

MANUFACTURER: USG
STYLE: MARS HIGH NRC (88135)
SIZE: 24" X 24"
GRID TYPE: DONN BRAND DX
EDGE PROFILE: BEVELED TEGULAR 15/16
COLOR: WHITE

APPLICATION: OFFICES

ACP-4: MANUFACTURER: ARMSTRONG
STYLE: CALLA HIGH NRC
SIZE: 24" X 24"
GRID TYPE: PRELUDE XL
EDGE PROFILE: SQUARE TEGULAR 15/16
COLOR: WHITE

MANUFACTURER: USG
STYLE: MARS HIGH NRC (88138)
SIZE: 24" X 24"
GRID TYPE: DONN BRAND DX
EDGE PROFILE: BEVELED TEGULAR 15/16
COLOR: WHITE

APPLICATION: CONFERENCE & MEETING ROOMS

ACOUSTICAL WALL PANELS

AWP-2 MANUFACTURER: ARMSTRONG
PRODUCT: ACOUSTIBUILT
SIZE: 48" X 96" X 7/8"
FINISH: FINE TEXTURE FINISH
BY MFR TO MATCH PT-1

MANUFACTURER: USG
PRODUCT: ENSEMBLE
SIZE: 48" X 96" X 7/8"
FINISH: FINE TEXTURE FINISH
BY MFR TO MATCH PT-1

CARPET

CPT-1: NOT USED

CPT-2: MANUFACTURER: PATCRAFT
STYLE: REACT
COLOR: ARTFULLY RUSTED
SIZE: 12" X 48"
APPLICATION: ADM & HHS - SEE FINISH PLANS

CPT-3: MANUFACTURER: PATCRAFT
STYLE: ETCHED
COLOR: ARTFULLY RUSTED
SIZE: 12" X 48"
APPLICATION: ADM & HHS - SEE FINISH PLANS

CPT-4: MANUFACTURER: PATCRAFT
STYLE: PATINA
COLOR: ARTFULLY RUSTED
SIZE: 12" X 48"
APPLICATION: ADM & HHS - SEE FINISH PLANS

CPT-5: MANUFACTURER: INTERFACE
STYLE: SL910
COLOR: GRAPHITE
SIZE: 25 CM X 1 M
APPLICATION: AME - SEE FINISH PLANS

CPT-6: MANUFACTURER: INTERFACE
STYLE: SL930
COLOR: GRAPHITE FADE
SIZE: 25 CM X 1 M
APPLICATION: AME - SEE FINISH PLANS

CPT-7: MANUFACTURER: INTERFACE
STYLE: ON LINE
COLOR: AZURE
SIZE: 25 CM X 1 M
APPLICATION: AME - BLUE ACCENT

FABRIC

F-1: MANUFACTURER: CARNEGIE
PATTERN: XOREL - METEOR
COLOR: 759
BACKING: UNBACKED
APPLICATION: TACKABLE FABRIC @ DESKS

PLASTIC LAMINATE

PLAM-1: MANUFACTURER: WILSONART
COLOR: SESAME VELVET ELM
FINISH: TRACELESS
APPLICATION: BREAKROOM - VERTICAL FACE OF CASEWORK

PLAM-2: MANUFACTURER: WILSONART
COLOR: FIELD ELM
FINISH: SOFTGRAIN
APPLICATION: VERTICAL FACE OF CASEWORK

PLAM-3: NOT USED

PLAM-4: NOT USED

PLAM-5: NOT USED

PLAM-6: MANUFACTURER: FORMICA
COLOR: GRAYSTONE
FINISH: MATTE
APPLICATION: RECEPTION DESKS - SEE DETAILS

PLAM-7: MANUFACTURER: WILSONART
COLOR: NATURAL RECON
FINISH: FINE VELVET
APPLICATION: HHS BOARD ROOM DESKS

PAINT

PT-1: MANUFACTURER: SHERWIN WILLIAMS
COLOR: EXTRA WHITE
SHEEN: TYPICAL- EGGSHELL
CUSTODIAL, SOILED STORAGE - EPOXY
CEILING - MATTE
APPLICATION: FIELD COLOR

PT-2: MANUFACTURER: BENJAMIN MOORE
COLOR: SOFT CHINCHILLA
APPLICATION: ACCENT - RESTROOMS ABOVE TILE

PORCELAIN TILE

PCT-1: MANUFACTURER: ERGON
STYLE: STONE PROJECT
COLOR: SAND CONTROFALDA
FINISH: NATURAL
SIZE: 24" X 48"
INSTALL METHOD: MONOLITHIC
APPLICATION: LOBBY FLOOR TILE

NOTE: STAIR TREAD PROFILE TO BE USED ON REFINISHED STAIR TREADS IN ADM BUILDING.

PCT-2A: MANUFACTURER: DALTILE
COLLECTION: RIGID CLAY
STYLE: RIDGE WALL TILE
COLOR: SALT
SIZE: 12" X 24"
INSTALL METHOD: VERTICAL MONOLITHIC
APPLICATION: RESTROOM WALL TILE

PCT-2B: MANUFACTURER: DALTILE
COLLECTION: RIGID CLAY
STYLE: PLATEAU WALL TILE
COLOR: SALT
SIZE: 12" X 24"
INSTALL METHOD: VERTICAL MONOLITHIC
APPLICATION: RESTROOM WALL TILE

PCT-2 CORNER PIECE: PROVIDE SCHLUTER-FINEC-SQ AT ALL OUTSIDE CORNERS IN RESTROOMS.

PCT-2 TRIM PIECE: PROVIDE SCHLUTER-JOLLY AT ALL EXPOSED EDGES OF TILE IN RESTROOM.

PCT-3: MANUFACTURER: DESIGN AND DIRECT SOURCE
STYLE: SANTOS HERITAGE FIELD
COLOR: SNOW CRACKLE
FINISH: GLOSS
SIZE: 4" X 4"
INSTALL METHOD: MONOLITHIC
APPLICATION: BREAKROOM BACKSPLASH

PCT-3 TRIM PIECE: PROVIDE SCHLUTER-JOLLY AT ALL EXPOSED EDGES OF TILE AT BACKSPLASH

QUARTZ COUNTERTOP

QZ-1: MANUFACTURER: CORIAN
COLOR: IRONSTONE
THICKNESS: 2 CM
APPLICATION: RECEPTION DESK

QZ-2: NOT USED

QZ-3: MANUFACTURER: WILSONART
COLOR: LOGAN PASS
THICKNESS: 2 CM
APPLICATION: BREAKROOM COUNTERTOPS

QZ-4: MANUFACTURER: VIATERA
COLOR: COTTON WHITE
THICKNESS: 2 CM
APPLICATION: WINDOW SILLS, RESTROOM COUNTERTOPS

QZ-5: MANUFACTURER: WILSONART
COLOR: DESERT VIEW
THICKNESS: 2 CM
APPPLICATION: RECEPTION DESK

RESILIENT FLOORING

RF-1: MANUFACTURER: INTERFACE
TYPE: LVT
STYLE: NATURAL WOODGRAINS
COLOR: SAND DUNE
SIZE: 25CM X 1M
THICKNESS: 4.5mm
INSTALL METHOD: 1/3 OFFSET
APPLICATION: BREAK ROOMS, NEW MOMS ROOM

SEALED CONCRETE

SC: SEE ARCHITECTURAL SPECIFICATIONS

TOILET PARTITIONS

TP-1: MANUFACTURER: SCRANTON
STYLE: SOLID PLASTIC HINY HIDERS
MOUNTING STYLE: FLOOR MOUNT OVERHEAD BRACED
COLOR: HAMMERED STAINLESS
LATCH TYPE: OCCUPANCY INDICATOR
NOTE: INCLUDE HOOK ON BACK OF DOOR

TERRAZO:

TER-1: MANUFACTURER: TERRAZZO & MARBLE SUPPLY
COLOR: TM #19-2028
APPLICATION: STAIR TREADS

VINYL FILM

VF-1: MANUFACTURER: 3M SCOTCHCAL CLEAR VIEW GRAPHIC FILM OR EQUAL
PATTERN: CUSTOM - SEE SIGNAGE PACKAGE
APPLICATION: DECORATIVE GLASS - SEE FINISH PLAN FOR LOCATIONS

VINYL WALLCOVERING

VWC-1: NOT USED

VWC-2A: MANUFACTURER: CARNEGIE
PATTERN: XOREL - SWITCH
COLOR: 22
BACKING: X-PROTECT WALL
APPLICATION: MOM'S ROOM

VWC-2B: MANUFACTURER: CARNEGIE
PATTERN: XOREL - SWITCH EMBROIDERED
COLOR: 32
BACKING: X-PROTECT WALL
APPLICATION: MOM'S ROOM

WALL BASE

WB-1: MANUFACTURER:
STYLE: VINYL ROLLED GOODS ONLY, STRAIGHT AT CARPET, COVE AT HARD FLOORING
COLOR: 24 GREY HAZE WG
HEIGHT: 2.5" TYP.
4" @ CASEWORK
APPLICATION: PRIMARY

WB-2: NOT USED

WB-3: MANUFACTURER: FRY REGLET
STYLE: METAL REVEAL BASE
SIZE: 2 1/2" REVEAL
COLOR: CLEAR ANODIZED
APPLICATION: LOBBIES, PUBLIC CORRIDOR - SEE SCHEDULE

WOOD

WD-1: SPECIES: WHITE OAK
CUT: QUARTER SLICE, SLIP MATCHED
COLOR: STAIN TO MATCH DESIGNERS SAMPLE
APPLICATION: WOOD DOORS @ ADM & HHS

WD-2: SPECIES: SOLID WHITE OAK
CUT: QUARTER SLICE
COLOR: STAIN TO MATCH DESIGNERS SAMPLE
APPLICATION: CUSTOM WOOD PANELS

WD-3: NOT USED

WD-4: MANUFACTURER: KOROSEAL
PRODUCT: ARBOR WOOD WALLCOVERING
SPECIES: OAK, WHITE QC WITH FLAKE
APPLICATION: HHS BOARD ROOM DESKS
SHEET SIZE: 3'-0" X 10'-0"

WALK OFF GRATE

WOG-1: MANUFACTURER: MATS INC
PRODUCT: PERFEC CLEAN
STYLE: 3/4" ROLLUP GRATE - RUBBER HINGE
COLOR: COLOR
APPLICATION: VESTIBULES
NOTE: RECESSED SYSTEM

WALK OFF MAT

WOM-1: MANUFACTURER: MOHAWK
STYLE: STEP UP II TILE
COLOR: COBALT
SIZE: 24" X 24"
INSTALL METHOD: QUARTER TURN
APPLICATION: VESTIBULES

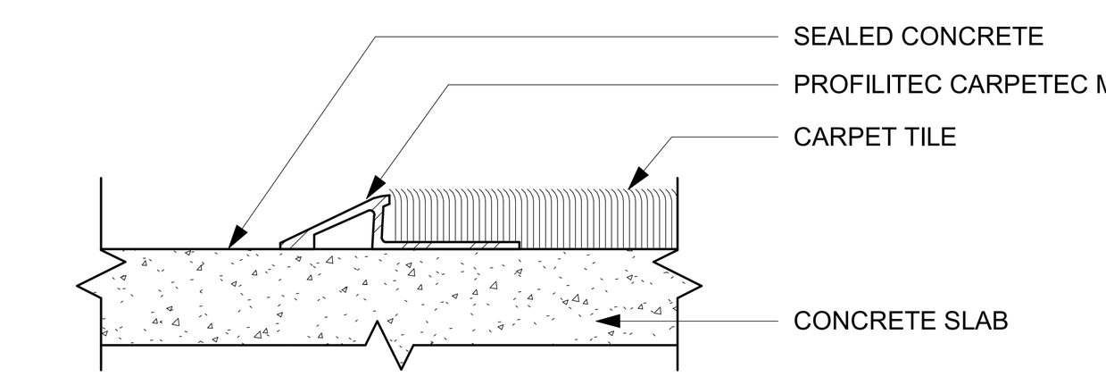
WINDOW TREATMENTS

WT-1: MANUFACTURER: LUTRON OR LIGHT HARVESTING SHADING SOLUTIONS
SHADE CLOTH: BASKETWEAVE 90 (OR LHSS V-ECOTEX SERIES)
COLOR: OYSTER/PEARL GREY (OR LHSS WHITE PEARL #03)
OPENNESS FACTOR: 1%
MOUNT: MULLIONS
OPERATION: **MANUAL**
APPLICATION: SEE RCP FOR LOCATIONS

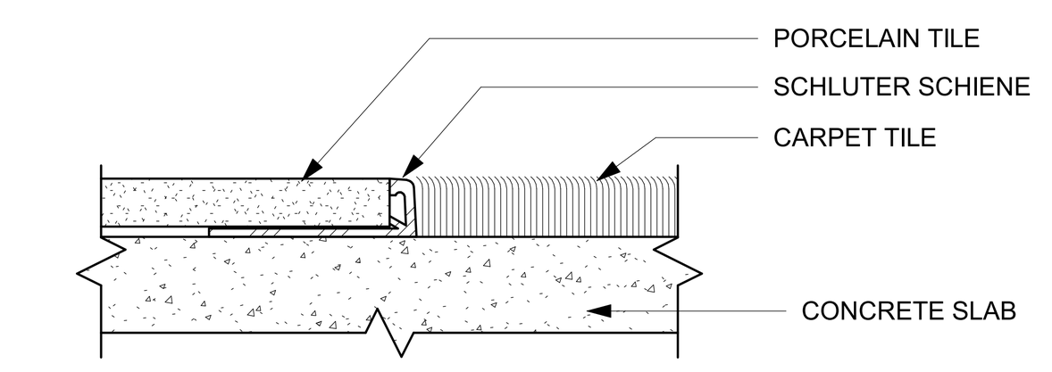
WT-2: MANUFACTURER: LUTRON
SHADE CLOTH: BASKETWEAVE 90
COLOR: OYSTER/PEARL GREY
OPENNESS FACTOR: 1%
MOUNT: MULLIONS
OPERATION: **MOTORIZED**
FACIA COLOR: CHARCOAL
APPLICATION: SEE RCP FOR LOCATIONS

FIBERGLASS REINFORCED PLASTIC

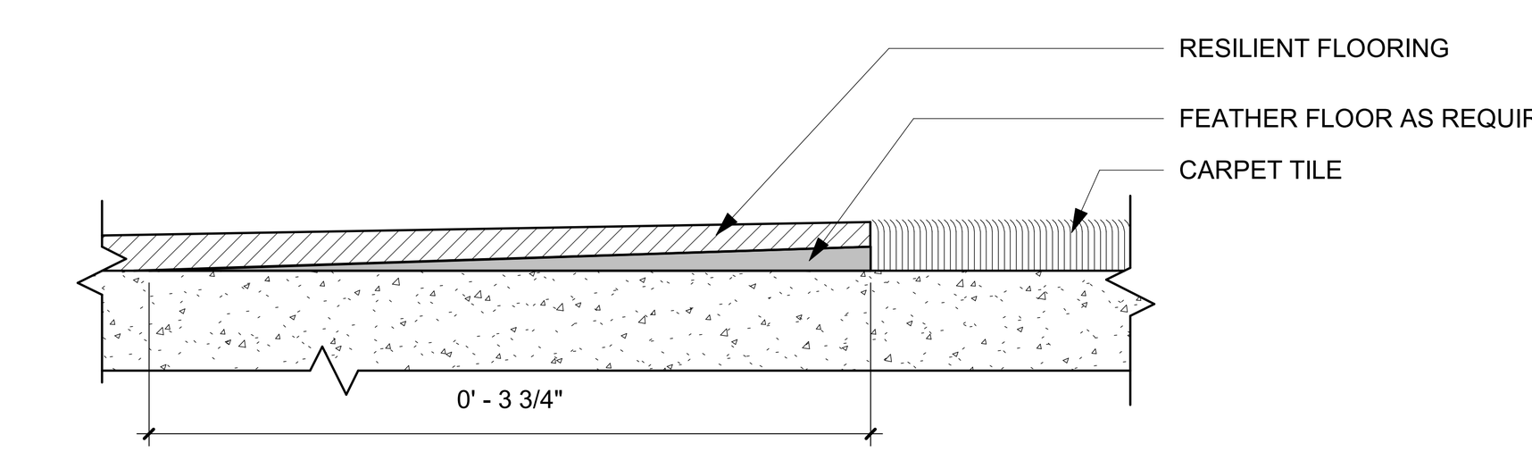
FRP: MANUFACTURER: PANOLAM
COLOR: WHITE
TRIM: EDGE AND CORNER
APPLICATION: CUSTODIAL ROOMS



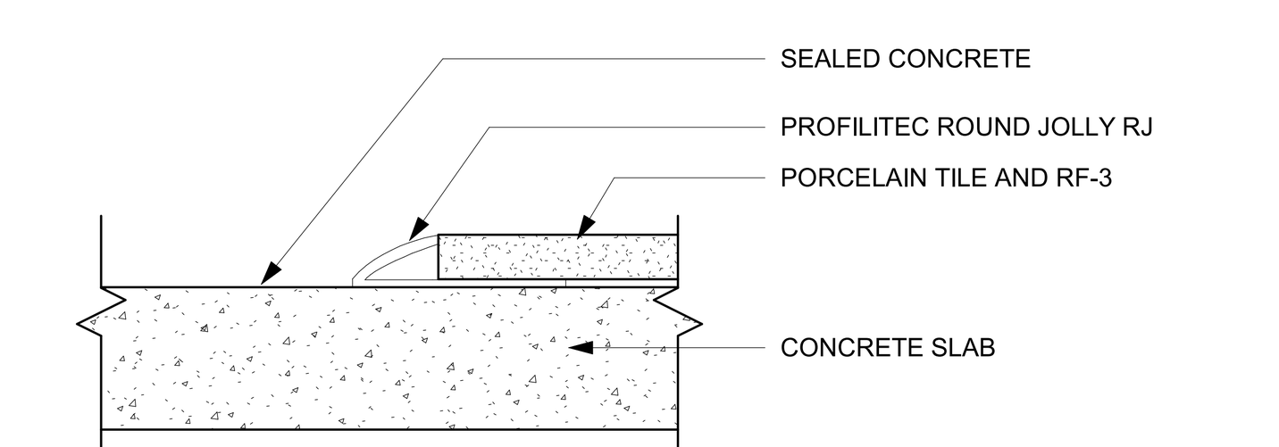
1 CARPET TO CONCRETE TRANSITION DETAIL
12" = 1'-0"



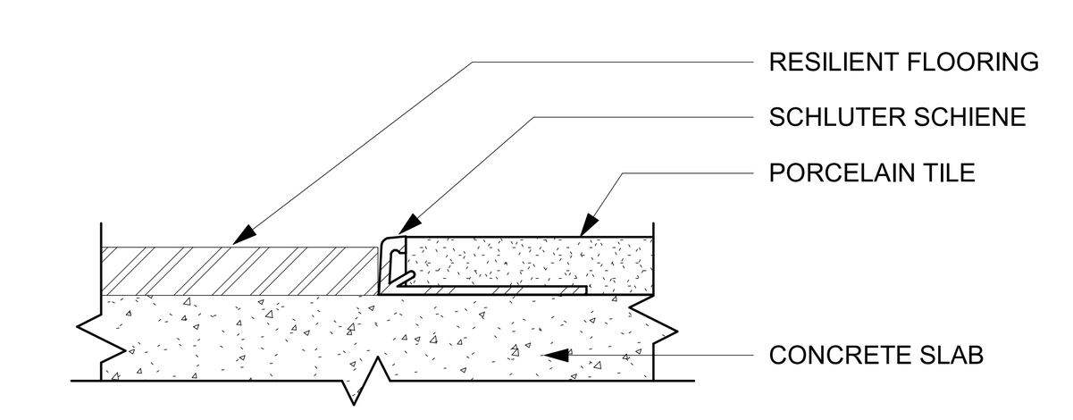
2 CARPET TO PORCELAIN TILE TRANSITION DETAIL
12" = 1'-0"



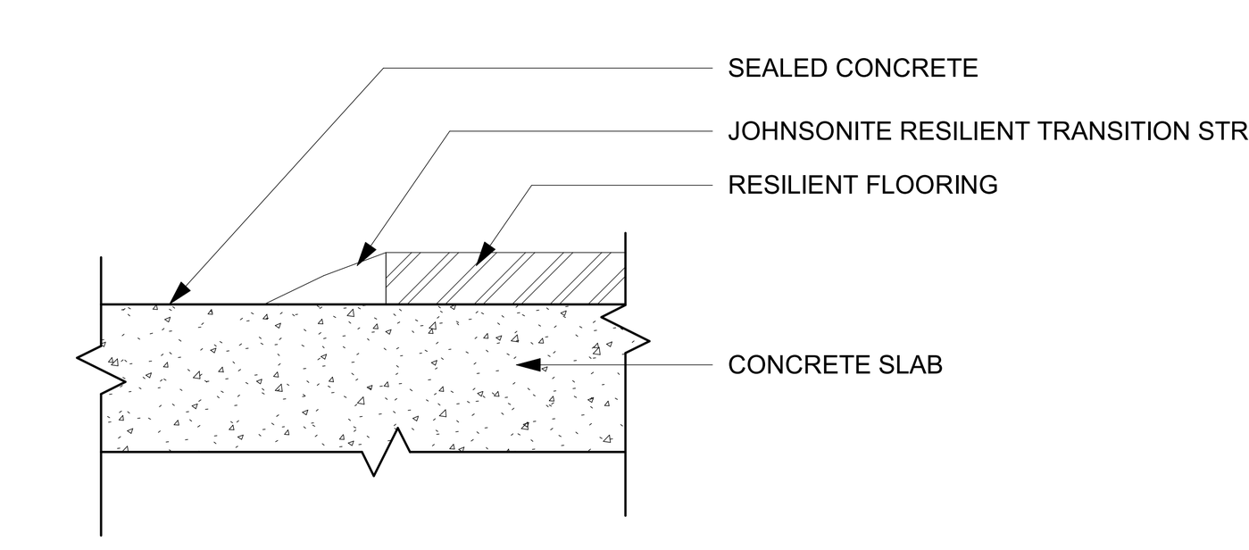
3 CARPET TO RESILIENT FLOOR DETAIL
12" = 1'-0"



4 PORCELAIN TILE TO SEALED CONCRETE FLOORING TRANSITION
12" = 1'-0"



5 RESILIENT FLOOR TO PORCELAIN TILE
12" = 1'-0"



6 RESILIENT FLOOR TO SEALED CONCRETE
12" = 1'-0"

OPN ARCHITECTS
24 1/2 S Clinton St., Suite 1
Iowa City, IA 52240
P: 319-248-5667

www.opnarchitects.com

Owner
Johnson County, Iowa

Project
JOHNSON COUNTY ADMINISTRATION AND HEALTH & HUMAN SERVICES BUILDINGS REMODELING PROJECT

913 S Dubuque St,
855 S Dubuque St,
Iowa City, IA 52240

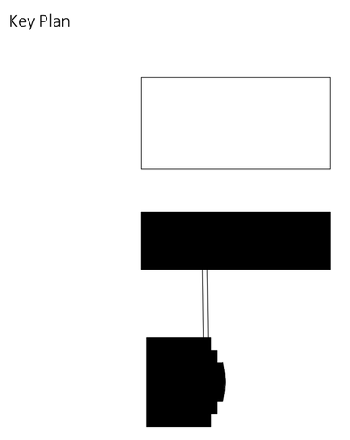
Mechanical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Electrical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Civil Engineer
Hall & Hall Engineers
1860 BOYSON ROAD
HIAWATHA, IA 52233
P. 319-362-9548

Structural Engineer
Raker Rhodes Engineering
112 E. WASHINGTON ST. SUITE B
IOWA CITY, IA 52240
P. 319-333-7850

Key Plan



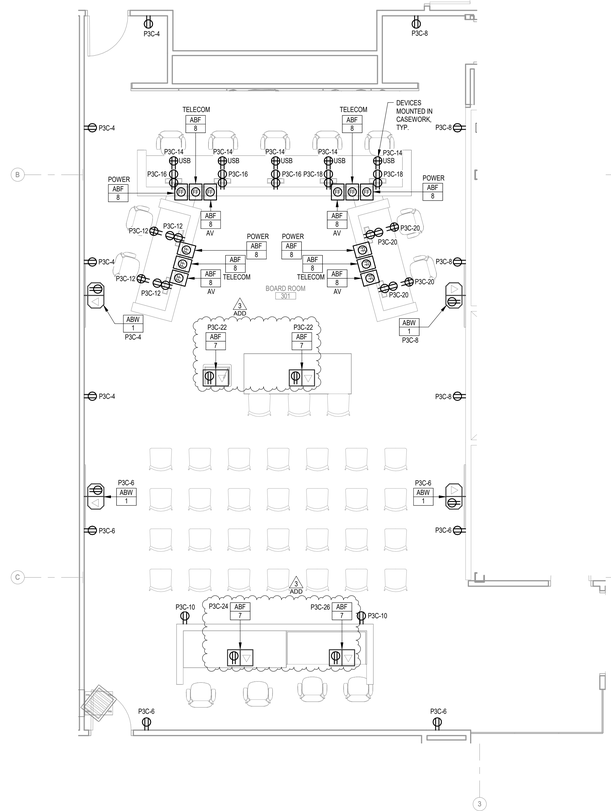
Revision	Description	Date
ADD 2	ADDENDUM 2	6/23/23
ADD 3	ADDENDUM 3	6/30/23

OPN Project No.
21412000

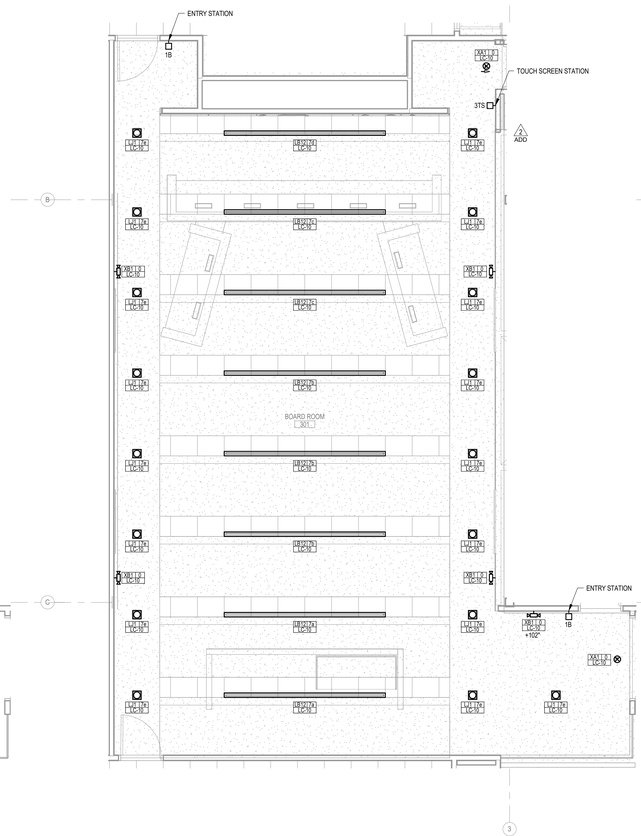
Sheet Issue Date
BID DOCUMENTS **06/06/23**

Sheet Name
FINISH SCHEDULE AND SPECS

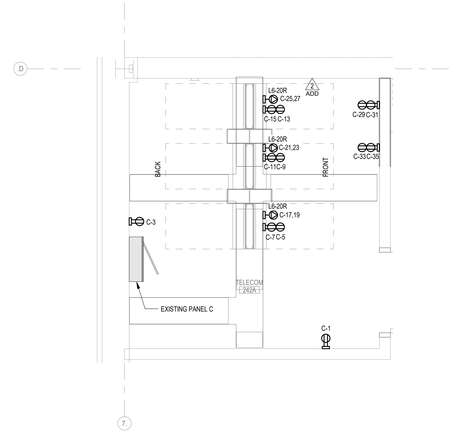
Sheet Number
A-608



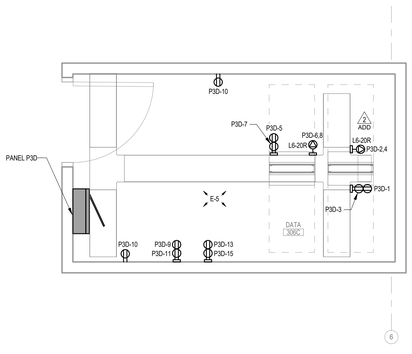
1 HHS - BOARD ROOM 301 ENLARGED ELECTRICAL POWER PLAN - PHASE 2
1/4" = 1'-0"



2 HHS - BOARD ROOM 301 ENLARGED ELECTRICAL LIGHTING PLAN - PHASE 2
1/4" = 1'-0"



3 ADM - LEVEL 2 ENLARGED TELECOM 242A POWER PLAN
1/2" = 1'-0"



4 HHS - LEVEL 3 ENLARGED DATA 306C POWER PLAN - TEMPORARY
1/2" = 1'-0"

KEYED NOTES	
E-5	THIS SECTION TO RECEIVE PERMANENT ELECTRICAL

LIGHTING/SWITCHING KEY

LIGHTING

FIXTURE TYPE PER SCHEDULE — XXXX##A

- LIGHTING CONTROLS OPERATION SEQUENCE (0,1,2,...) PER DETAILS SHEETS
- SWITCHING ZONE (a,b,c...)
- CIRCUIT DATA: PANEL NAME-CIRCUIT NUMBER (XXXX-###) OR CIRCUIT NOTE (E-#)

EM: EMERGENCY FIXTURE
NL: NIGHT LIGHT

COORDINATE CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN

SWITCHING

P(X,n) - LIGHTING CONTROL STATION

#X - INDICATES SWITCH CONTROLS, REFER TO LIGHTING CONTROL STATION CONFIGURATION DETAIL
(X,n) - INDICATES SWITCHING ZONE(S)
+##" - DIMENSION INDICATES HEIGHT TO CENTER OF SWITCH ABOVE FINISH FLOOR (+46" TO CENTER IF NOT SHOWN)

NEW WORK KEY

- EXISTING
- NEW / REVISED
- EXISTING EQUIPMENT
- NEW / REVISED EQUIPMENT

OPN ARCHITECTS
24 1/2 S Clinton St., Suite 1
Iowa City, IA 52240
P: 319-248-5667
www.opnarchitects.com

Owner
Johnson County, Iowa

Project
JOHNSON COUNTY ADMINISTRATION AND HEALTH & HUMAN SERVICES BUILDINGS REMODELING PROJECT

913 S Dubuque St,
855 S Dubuque St,
Iowa City, IA 52240

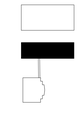
Mechanical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Electrical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Civil Engineer
Hall & Hall Engineers
1860 BOYSON ROAD
HIAWATHA, IA 52233
P. 319-362-9548

Structural Engineer
Raker Rhodes Engineering
112 E. WASHINGTON ST. SUITE B
IOWA CITY, IA 52240
P. 319-333-7850

Key Plan



Revision	Description	Date
ADD 2	Addendum 2	06/23/2023
ADD 3	Addendum 3	06/30/2023

OPN Project No.
21412000

Sheet Issue Date
BID DOCUMENTS **06/06/23**

Sheet Name
ELECTRICAL ENLARGED PLANS

Sheet Number
E-400

Sign Location Plans

Legend

WAYFINDING
Directories, Directional, and Destination signs to aid building navigation and identify departments.

Sign Types:
A: DIRECTORY
B: DIRECTIONAL
C: DEPARTMENT
D: OVERHEAD

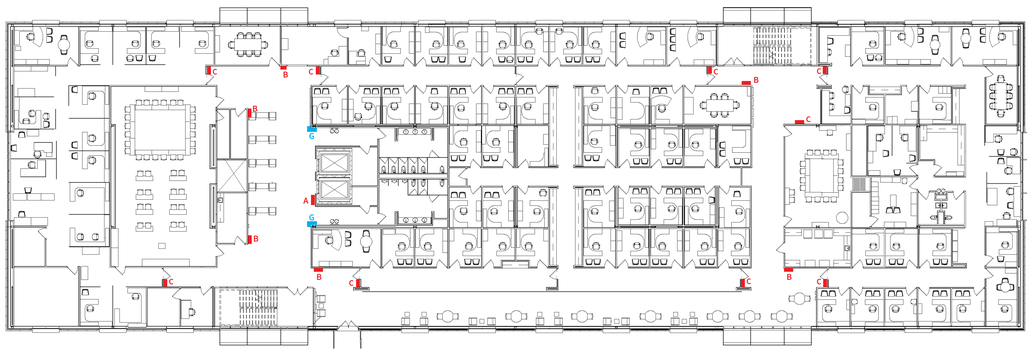
ROOM SIGN (ADA)
Basic room signs with ADA compliant raised lettering and braille;

Sign Types:
E: ROOM IDENTIFICATION
F: OFFICE (name insert)
G: RESTROOM
H: REGULATORY

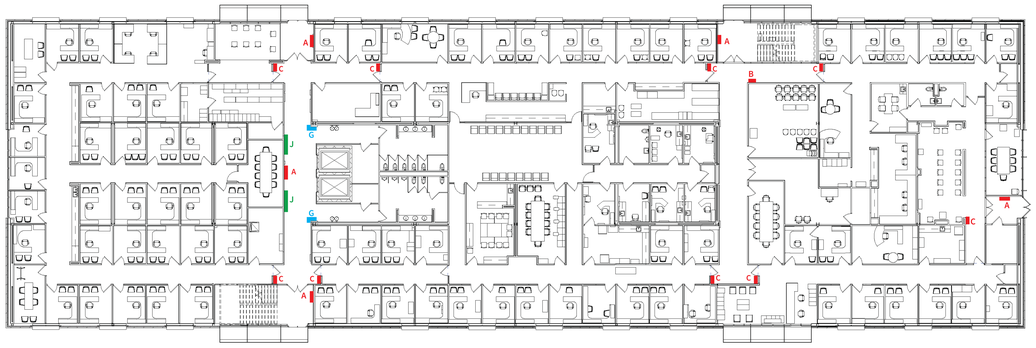
FEATURE MURAL/GRAPHICS
Themed Iowa/Johnson County printed images, graphics, or text onto material substrates such as fabric, aluminum, pvc, vinyl, or wallpaper.

Sign Types:
I: INTERPRETIVE
J: IMAGE PANELS
K: PRIVACY VINYL
L: DIMENSIONAL LETTERS

3 HHS - LEVEL 3 FLOORPLAN
1/16" = 1'-0"



2 HHS EXISTING - LEVEL 2 FLOORPLAN
1/16" = 1'-0"



1 HHS EXISTING - LEVEL 1 FLOORPLAN
1/16" = 1'-0"

OPN ARCHITECTS
24 1/2 S Clinton St., Suite 1
Iowa City, IA 52240
P: 319-248-5667

www.opnarchitects.com

Owner
Johnson County, Iowa

Project
JOHNSON COUNTY ADMINISTRATION AND HEALTH & HUMAN SERVICES BUILDINGS REMODELING PROJECT

913 S Dubuque St,
855 S Dubuque St,
Iowa City, IA 52240

Mechanical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Electrical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Civil Engineer
Hall & Hall Engineers
1860 BOYSON ROAD
HIAWATHA, IA 52233
P. 319-362-9548

Structural Engineer
Raker Rhodes Engineering
112 E. WASHINGTON ST. SUITE B
IOWA CITY, IA 52240
P. 319-333-7850

Key Plan

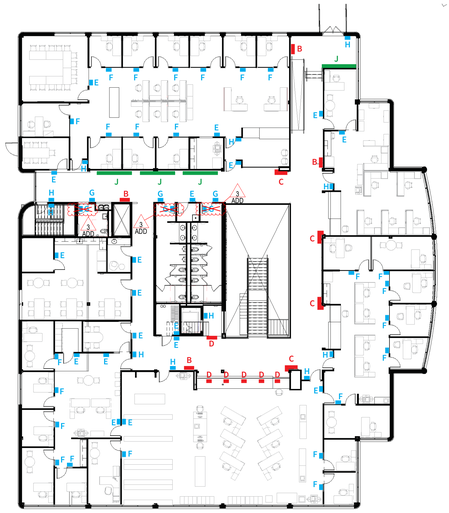
Revision	Description	Date
ADD 3	Addendum 3	06/30/2023

OPN Project No.
21412000

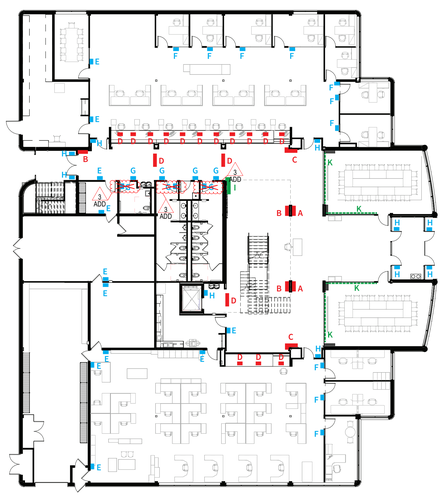
Sheet Issue Date
BID DOCUMENTS **06/06/23**

Sheet Name
SIGN LOCATION PLANS
HHS BUILDING

Sheet Number
AS001



6 ADM - LEVEL 2 FLOOR PLAN
1/16" = 1'-0"



5 ADM - LEVEL 1 FLOOR PLAN
1/16" = 1'-0"

Sign Location Plans

Legend

WAYFINDING
Directories, Directional, and Destination signs to aid building navigation and identify departments.

Sign Types:
A: DIRECTORY
B: DIRECTIONAL
C: DEPARTMENT
D: OVERHEAD

ROOM SIGN (ADA)
Basic room signs with ADA compliant raised lettering and braille;

Sign Types:
E: ROOM IDENTIFICATION
F: OFFICE (name insert)
G: RESTROOM
H: REGULATORY

FEATURE MURAL/GRAPHICS
Themed Iowa/Johnson County printed images, graphics, or text onto material substrates such as fabric, aluminum, pvc, vinyl, or wallpaper.

Sign Types:
I: INTERPRETIVE
J: IMAGE PANELS
K: PRIVACY VINYL
L: DIMENSIONAL LETTERS

OPN ARCHITECTS
24 1/2 S Clinton St., Suite 1
Iowa City, IA 52240
P: 319-248-5667

www.opnarchitects.com

Owner
Johnson County, Iowa

Project
JOHNSON COUNTY ADMINISTRATION AND HEALTH & HUMAN SERVICES BUILDINGS REMODELING PROJECT

913 S Dubuque St,
855 S Dubuque St,
Iowa City, IA 52240

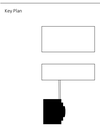
Mechanical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Electrical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Civil Engineer
Hall & Hall Engineers
1860 BOYSON ROAD
HIAWATHA, IA 52233
P. 319-362-9548

Structural Engineer
Raker Rhodes Engineering
112 E. WASHINGTON ST. SUITE B
IOWA CITY, IA 52240
P. 319-333-7850

Key Plan



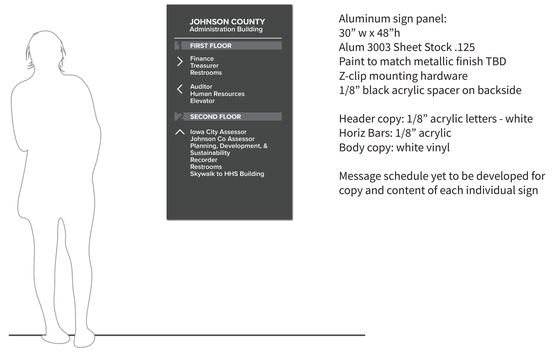
Revision	Description	Date
ADD 3	Addendum 3	06/30/2023

OPN Project No.
21412000

Sheet Issue Date
BID DOCUMENTS **06/06/23**

Sheet Name
SIGN LOCATION PLANS ADMINISTRATION BUILDING

Sheet Number
AS002

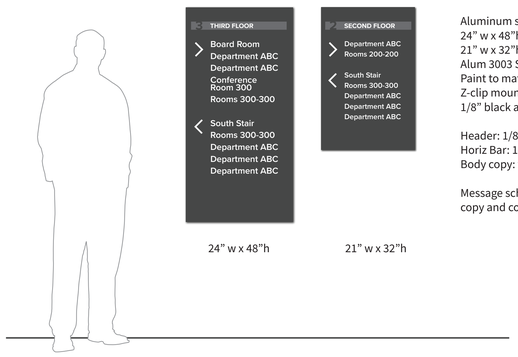


Aluminum sign panel:
30" w x 48"h
Alum 3003 Sheet Stock .125
Paint to match metallic finish TBD
Z-clip mounting hardware
1/8" black acrylic spacer on backside

Header copy: 1/8" acrylic letters - white
Horiz Bars: 1/8" acrylic
Body copy: white vinyl

Message schedule yet to be developed for copy and content of each individual sign

1 **SIGN TYPE A:** Directory / Building Information
1"=1'-0"



24" w x 48"h

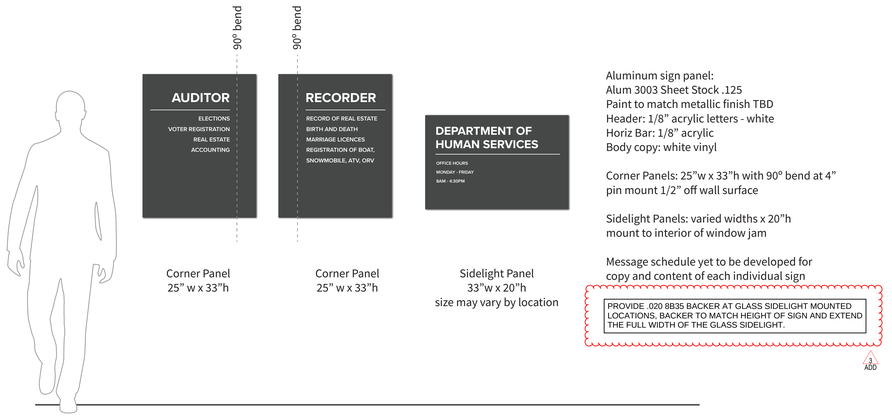
21" w x 32"h

Aluminum sign panel:
24" w x 48"h - Large Directionals
21" w x 32"h - Small Directionals
Alum 3003 Sheet Stock .125
Paint to match metallic finish TBD
Z-clip mounting hardware
1/8" black acrylic spacer on backside

Header: 1/8" acrylic letters - white
Horiz Bar: 1/8" acrylic
Body copy: white vinyl

Message schedule yet to be developed for copy and content of each individual sign

2 **SIGN TYPE B:** Directional
1"=1'-0"



Corner Panel
25" w x 33"h

Corner Panel
25" w x 33"h

Sidelight Panel
33"w x 20"h
size may vary by location

Aluminum sign panel:
Alum 3003 Sheet Stock .125
Paint to match metallic finish TBD
Header: 1/8" acrylic letters - white
Horiz Bar: 1/8" acrylic
Body copy: white vinyl

Corner Panels: 25"w x 33"h with 90° bend at 4" pin mount 1/2" off wall surface

Sidelight Panels: varied widths x 20"h mount to interior of window jam

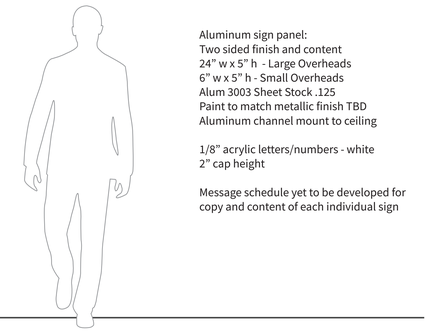
Message schedule yet to be developed for copy and content of each individual sign

3 **SIGN TYPE C:** Department
1"=1'-0"

24" w x 5"h

24" w x 5"h

6" w x 5"h

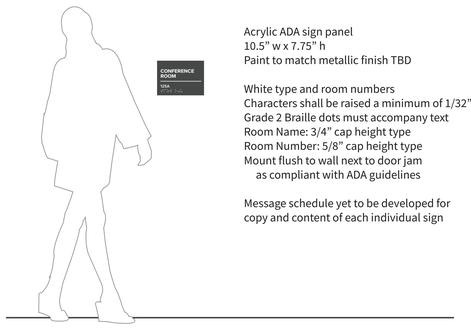


Aluminum sign panel:
Two sided finish and content
24" w x 5" h - Large Overheads
6" w x 5" h - Small Overheads
Alum 3003 Sheet Stock .125
Paint to match metallic finish TBD
Aluminum channel mount to ceiling

1/8" acrylic letters/numbers - white
2" cap height

Message schedule yet to be developed for copy and content of each individual sign

4 **SIGN TYPE D:** Overhead
1"=1'-0"



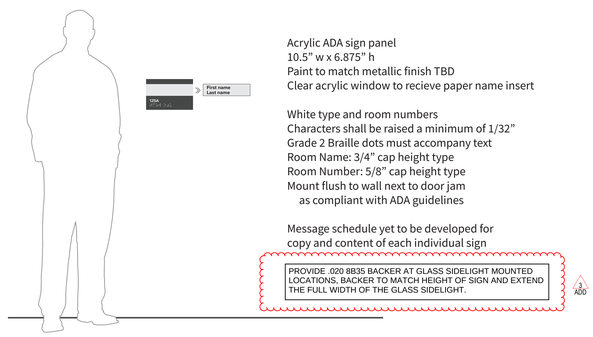
Acrylic ADA sign panel
10.5" w x 7.75" h
Paint to match metallic finish TBD

White type and room numbers
Characters shall be raised a minimum of 1/32"
Grade 2 Braille dots must accompany text
Room Name: 3/4" cap height type
Room Number: 5/8" cap height type
Mount flush to wall next to door jam
as compliant with ADA guidelines

Message schedule yet to be developed for copy and content of each individual sign

5 **SIGN TYPE E:** Room (ADA)
1"=1'-0"

6 **SIGN TYPE E:** Room (ADA) - Enlarged dimensioned view
50% Scale



Acrylic ADA sign panel
10.5" w x 6.875" h
Paint to match metallic finish TBD
Clear acrylic window to recieve paper name insert

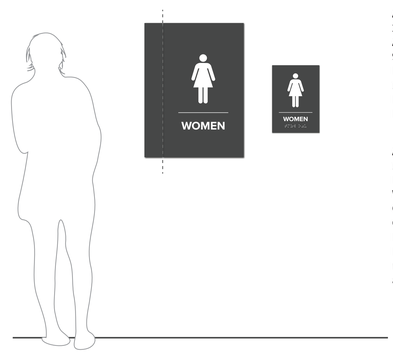
White type and room numbers
Characters shall be raised a minimum of 1/32"
Grade 2 Braille dots must accompany text
Room Name: 3/4" cap height type
Room Number: 5/8" cap height type
Mount flush to wall next to door jam
as compliant with ADA guidelines

Message schedule yet to be developed for copy and content of each individual sign

PROVIDE .020 8B35 BACKER AT GLASS SIDELIGHT MOUNTED LOCATIONS, BACKER TO MATCH HEIGHT OF SIGN AND EXTEND THE FULL WIDTH OF THE GLASS SIDELIGHT.

3 ADD

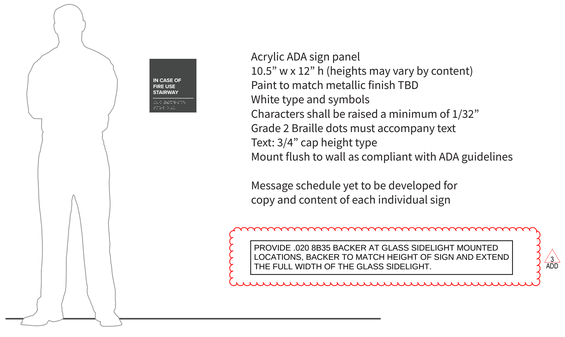
7 **SIGN TYPE F:** Office (ADA) with Insert
1"=1'-0"



Aluminum sign panels
22" w x 32" h
Alum 3003 Sheet Stock .063
90º bend on large corner signs
Paint to match metallic finish TBD
1/8" acrylic type and symbols
Horiz Bar: 1/8" acrylic
Flush mount to wall

Acrylic ADA sign panels
10.5" w x 15" h
Paint to match metallic finish TBD
White type and symbols
Characters shall be raised a minimum of 1/32"
Grade 2 Braille dots must accompany text
Room Name: 3/4" cap height type
Room Number: 5/8" cap height type
Mount flush to wall next to door jam
and on doors as compliant with ADA guidelines

8 **SIGN TYPE G:** Restroom
1"=1'-0"



Acrylic ADA sign panel
10.5" w x 12" h (heights may vary by content)
Paint to match metallic finish TBD
White type and symbols
Characters shall be raised a minimum of 1/32"
Grade 2 Braille dots must accompany text
Text: 3/4" cap height type
Mount flush to wall as compliant with ADA guidelines

Message schedule yet to be developed for copy and content of each individual sign

PROVIDE .020 8B35 BACKER AT GLASS SIDELIGHT MOUNTED LOCATIONS, BACKER TO MATCH HEIGHT OF SIGN AND EXTEND THE FULL WIDTH OF THE GLASS SIDELIGHT.

3 ADD

9 **SIGN TYPE H:** Regulatory
1"=1'-0"

OPN ARCHITECTS
24 1/2 S Clinton St., Suite 1
Iowa City, IA 52240
P: 319-248-5667

www.opnarchitects.com

Owner
Johnson County, Iowa

Project
JOHNSON COUNTY ADMINISTRATION AND HEALTH & HUMAN SERVICES BUILDINGS REMODELING PROJECT

913 S Dubuque St,
855 S Dubuque St,
Iowa City, IA 52240

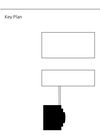
Mechanical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Electrical Engineer
Design Engineers
8801 PRAIRIE VIEW LN SW
CEDAR RAPIDS, IA 52404
P. 319-841-1944

Civil Engineer
Hall & Hall Engineers
1860 BOYSON ROAD
HIAWATHA, IA 52233
P. 319-362-9548

Structural Engineer
Raker Rhodes Engineering
112 E. WASHINGTON ST. SUITE B
IOWA CITY, IA 52240
P. 319-333-7850

Key Plan



Revision	Description	Date
ADD 3	Addendum 3	06/30/2023

OPN Project No.
21412000

Sheet Issue Date
BID DOCUMENTS **06/26/23**

Sheet Name
SIGN TYPE DRAWINGS A - H

Sheet Number
AS003