

**ADDENDUM  
NO. 1**

**February 14, 2024**

**MEMORIAL OPERA HOUSE – BID PACKAGE #3 – INTERIORS PACKAGE**

**TO: ALL BIDDERS OF RECORD**

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated January 12, 2024 by Schmidt Associates. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Page ADD 1-1 through ADD 1-2 and attached Addendum No. 1 from Schmidt Associates dated February 13, 2024 and consisting of 17 pages and 2 drawings.

**A. SPECIFICATION SECTION 00 00 20 – TABLE OF CONTENTS**

**1. ADD:**

Specification Section 07 92 00 – Joint Sealants  
Specification Section 09 67 23.13 – Resinous Flooring – Level 1

**A. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY**

**A. BID CATEGORY NO. 5 – FLOORING**

**1. ADD:**

Specification Section 09 67 23.13 – Resinous Flooring – Level 1

B. BID CATEGORY NO. 7 – CASEWORK/WOODWORK

1. **ADD:**

**Clarification No. 2:**

Referencing Specification Section 12 32 00 Manufactured Wood Casework; It is acceptable for the **Bid Category No. 7 Contractor** to provide custom built casework in lieu of Pre-Manufactured Units in order to maintain the project schedule.

# **ADDENDUM NO. 1**

## **FEBRUARY 13, 2024**

PREPARED BY SCHMIDT ASSOCIATES FOR:  
**RENOVATION OF MEMORIAL OPERA HOUSE**  
**PORTER COUNTY BOARD OF COMMISSIONERS**

This Addendum consists of 2 Addendum pages and 17 attachment pages totaling 19pages.

Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject the Bid to disqualification. This Addendum is part of the Contract Documents.

Bidder is encouraged to verify with reprographer of record all Addenda issued (do not rely exclusively on third party plan room services).

### **PART 1 - CHANGES TO PRIOR ADDENDA (NOT APPLICABLE)**

### **PART 2 - CHANGES TO THE PROJECT MANUAL**

Modifications described herein shall be incorporated in the Project Manual. All other Work shall remain unchanged.

#### **2.1 DIVISION 07 – THERMAL AND MOISTURE PROTECTION**

##### **A. Section 079200 “JOINT SEALANTS”**

1. ADD Section in its entirety.

#### **2.2 DIVISION 09 – FINISHES**

##### **A. Section 096723.13 “RESINOUS FLOORING – LEVEL 1”**

1. ADD Section in its entirety.

#### **2.3 DIVISION 12 – FURNISHINGS**

##### **A. Section 123200 “MANUFACTURED WOOD CASEWORK”**

1. ADD Paragraph 2.6.F. as follows:

“F. Drawer and Hinged Door Locks: Cylindrical (cam) type, 5-pin tumbler, brass with chrome-plated finish, and complying with BHMA A156.11, Grade 1.

1. Provide a minimum of two keys per lock and six master keys.
2. Provide locks on all doors and drawers.”

**PART 3 - CHANGES TO THE DRAWINGS**

Modifications described herein shall be incorporated in the Drawings. All other Work shall remain unchanged.

**3.1 DRAWING SHEETS: ADDITIONS, DELETIONS AND REPLACEMENTS**

<b>DRAWING NO.</b>	<b>INDICATE ACTION: ADD (A), DELETE (D), DELETE &amp; REPLACE (R),</b>
<b>I-SERIES DRAWINGS</b>	
I-210.3	DELETE AND REPLACE
IN100.3	DELETE AND REPLACE

**END OF ADDENDUM 1**

## SECTION 079200 - JOINT SEALANTS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 SUMMARY

- A. Section Includes:

- 1. Nonstaining silicone joint sealants.
- 2. Urethane joint sealants.
- 3. Mildew-resistant joint sealants.
- 4. Butyl joint sealants.
- 5. Latex joint sealants.

- B. Related Requirements:

- 1. Section 321373 "Concrete Paving Joint Sealants" for sealing joints in paved roads, parking lots, walkways, and curbing.

#### 1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

#### 1.4 ACTION SUBMITTALS

- A. Product Data, Joint Sealant Schedule:

- 1. Product Data: For each joint-sealant product.
- 2. Joint-Sealant Schedule: Include the following information:
  - a. Joint-sealant application, joint location, and designation.
  - b. Joint-sealant manufacturer and product name.
  - c. Joint-sealant formulation.
  - d. Joint-sealant color.

- B. Samples for Verification: For each kind and color of joint sealant required, provide Samples with joint sealants in 1/2-inch- wide joints formed between two 6-inch- long strips of material matching the appearance of exposed surfaces adjacent to joint sealants.

1. Submit or resubmit appropriate color match (see Schedule in PART 3) with material sealant is required to match for final approval. If material to match is existing or previously installed, submit for final approval on Project site.

#### 1.5 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: For each kind of joint sealant, for tests performed by manufacturer and witnessed by a qualified testing agency.

#### 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.
- B. Mockups: Install sealant in mockups of assemblies specified in other Sections that are indicated to receive joint sealants specified in this Section. Use materials and installation methods specified in this Section.

#### 1.7 FIELD CONDITIONS

- A. Do not proceed with installation of joint sealants under the following conditions:
  1. When ambient and substrate temperature conditions are outside limits permitted by joint-sealant manufacturer or are below 40 deg F.
  2. When joint substrates are wet.
  3. Where joint widths are less than those allowed by joint-sealant manufacturer for applications indicated.
  4. Where contaminants capable of interfering with adhesion have not yet been removed from joint substrates.

#### 1.8 WARRANTY

- A. Special Installer's Warranty: Installer agrees to repair or replace joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
  1. Warranty Period: Two years from date of Substantial Completion.
- B. Special Manufacturer's Warranty: Manufacturer agrees to furnish joint sealants to repair or replace those joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
  1. Warranty Period: Five years from date of Substantial Completion.
- C. Special warranties specified in this article exclude deterioration or failure of joint sealants from the following:

1. Movement of the structure caused by stresses on the sealant exceeding sealant manufacturer's written specifications for sealant elongation and compression.
2. Disintegration of joint substrates from causes exceeding design specifications.
3. Mechanical damage caused by individuals, tools, or other outside agents.
4. Changes in sealant appearance caused by accumulation of dirt or other atmospheric contaminants.

## PART 2 - PRODUCTS

### 2.1 JOINT SEALANTS, GENERAL

- A. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by joint-sealant manufacturer, based on testing and field experience.
- B. VOC Content of Interior Sealants: Sealants and sealant primers used inside the weatherproofing system shall comply with the following:
  1. Architectural sealants shall have a VOC content of 250 g/L or less.
- C. Colors of Exposed Joint Sealants: As selected by Architect from manufacturer's full range.

### 2.2 NONSTAINING SILICONE JOINT SEALANTS

- A. Silicone, Nonstaining, S, NS, 50, NT: Nonstaining, single-component, nonsag, plus 50 percent and minus 50 percent movement capability, nontraffic-use, neutral-curing silicone joint sealant; ASTM C 920, Type S, Grade NS, Class 50, Use NT.
  1. Products: Subject to compliance with requirements, provide one of the following:
    - a. Dow Corning Corporation; 795.
    - b. Pecora Corporation; 895NST.
    - c. Tremco Incorporated; Spectrem 2.

### 2.3 URETHANE JOINT SEALANTS

- A. Urethane, S, NS, 25, NT: Single-component, nonsag, nontraffic-use, plus 25 percent and minus 25 percent movement capability, urethane joint sealant; ASTM C 920, Type S, Grade NS, Class 25, Use NT.
  1. Products: Subject to compliance with requirements, provide one of the following:
    - a. BASF Construction Chemicals - Building Systems; MasterSeal NP1.
    - b. Bostik, Inc.; Chem-Calk GPS1.
    - c. Sika Corporation U.S.; Sikaflex 1A.
    - d. Tremco Incorporated; Dymonic 100.

- B. Urethane, S, P, 25, T, NT: Single-component, pourable, plus 25 percent and minus 25 percent movement capability, traffic- and nontraffic-use, urethane joint sealant; ASTM C 920, Type S, Grade P, Class 25, Uses T and NT.
  - 1. Products: Subject to compliance with requirements, provide one of the following:
    - a. BASF Construction Chemicals - Building Systems; MasterSeal SL 1.
    - b. Pecora Corporation; NR-201.
    - c. Sherwin-Williams Company (The); Stampede 1SL.
    - d. Sika; Sikaflex 1C SL.

#### 2.4 MILDEW-RESISTANT JOINT SEALANTS

- A. Mildew-Resistant Joint Sealants: Formulated for prolonged exposure to humidity with fungicide to prevent mold and mildew growth.
- B. Silicone, Mildew Resistant, Acid Curing, S, NS, 25, NT: Mildew-resistant, single-component, nonsag, plus 25 percent and minus 25 percent movement capability, nontraffic-use, acid-curing silicone joint sealant; ASTM C 920, Type S, Grade NS, Class 25, Use NT.
  - 1. Products: Subject to compliance with requirements, provide one of the following:
    - a. Dow Corning Corporation; 786-M White.
    - b. Pecora; 898 NST.
    - c. Sika; Sikasil GP.
    - d. Tremco Incorporated; Tremsil 200.

#### 2.5 BUTYL JOINT SEALANTS

- A. Butyl-Rubber-Based Joint Sealants: ASTM C 1311.
  - 1. Products: Subject to compliance with requirements, provide one of the following:
    - a. Bostik, Inc.; Chem-Calk 300.
    - b. Pecora Corporation; BC-158.

#### 2.6 LATEX JOINT SEALANTS

- A. Acrylic Latex: Acrylic latex or siliconized acrylic latex, ASTM C 834, Type OP, Grade NF.
  - 1. Products: Subject to compliance with requirements, provide one of the following:
    - a. BASF Construction Chemicals - Building Systems; Sonolac.
    - b. Mapei; Keracaulk S (sanded) /Keracaulk U (unsanded)
    - c. Pecora Corporation; AC-20.
    - d. Tremco Incorporated; Tremflex 834.

## 2.7 JOINT-SEALANT BACKING

- A. Sealant Backing Material, General: Nonstaining; compatible with joint substrates, sealants, primers, and other joint fillers; and approved for applications indicated by sealant manufacturer based on field experience and laboratory testing.
- B. Cylindrical Sealant Backings: ASTM C 1330, Type C (closed-cell material with a surface skin), and of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance.
- C. Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended by sealant manufacturer for preventing sealant from adhering to rigid, inflexible joint-filler materials or joint surfaces at back of joint. Provide self-adhesive tape where applicable.

## 2.8 MISCELLANEOUS MATERIALS

- A. Primer: Material recommended by joint-sealant manufacturer where required for adhesion of sealant to joint substrates indicated, as determined from preconstruction joint-sealant-substrate tests and field tests.
- B. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials, free of oily residues or other substances capable of staining or harming joint substrates and adjacent nonporous surfaces in any way, and formulated to promote optimum adhesion of sealants to joint substrates.
- C. Masking Tape: Nonstaining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine joints indicated to receive joint sealants, with Installer present, for compliance with requirements for joint configuration, installation tolerances, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions and the following requirements:

1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.
2. Clean porous joint substrate surfaces by brushing, grinding, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining after cleaning operations above by vacuuming or blowing out joints with oil-free compressed air. Porous joint substrates include the following:
  - a. Concrete.
  - b. Masonry.
  - c. Unglazed surfaces of ceramic tile.
  - d. Exterior insulation and finish systems.
3. Remove laitance and form-release agents from concrete.
4. Clean nonporous joint substrate surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants. Nonporous joint substrates include the following:
  - a. Metal.
  - b. Glass.
  - c. Glazed surfaces of ceramic tile.

- B. Joint Priming: Prime joint substrates where recommended by joint-sealant manufacturer or as indicated by preconstruction joint-sealant-substrate tests or prior experience. Apply primer to comply with joint-sealant manufacturer's written instructions. Confine primers to areas of joint-sealant bond; do not allow spillage or migration onto adjoining surfaces.
- C. Masking Tape: Use masking tape where required to prevent contact of sealant or primer with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

### 3.3 INSTALLATION OF JOINT SEALANTS

- A. General: Comply with joint-sealant manufacturer's written installation instructions for products and applications indicated, unless more stringent requirements apply.
- B. Sealant Installation Standard: Comply with recommendations in ASTM C 1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.
- C. Install sealant backings of kind indicated to support sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.
1. Do not leave gaps between ends of sealant backings.
  2. Do not stretch, twist, puncture, or tear sealant backings.

3. Remove absorbent sealant backings that have become wet before sealant application, and replace them with dry materials.
- D. Install bond-breaker tape behind sealants where sealant backings are not used between sealants and backs of joints.
- E. Install sealants using proven techniques that comply with the following and at the same time backings are installed:
1. Place sealants so they directly contact and fully wet joint substrates.
  2. Completely fill recesses in each joint configuration.
  3. Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.
- F. Tooling of Nonsag Sealants: Immediately after sealant application and before skinning or curing begins, tool sealants according to requirements specified in subparagraphs below to form smooth, uniform beads of configuration indicated; to eliminate air pockets; and to ensure contact and adhesion of sealant with sides of joint.
1. Remove excess sealant from surfaces adjacent to joints.
  2. Use tooling agents that are approved in writing by sealant manufacturer and that do not discolor sealants or adjacent surfaces.
  3. Provide concave joint profile per Figure 8A in ASTM C 1193 unless otherwise indicated.

### 3.4 CLEANING

- A. Clean off excess sealant or sealant smears adjacent to joints as the Work progresses by methods and with cleaning materials approved in writing by manufacturers of joint sealants and of products in which joints occur.

### 3.5 PROTECTION

- A. Protect joint sealants during and after curing period from contact with contaminating substances and from damage resulting from construction operations or other causes so sealants are without deterioration or damage at time of Substantial Completion. If, despite such protection, damage or deterioration occurs, cut out, remove, and repair damaged or deteriorated joint sealants immediately so installations with repaired areas are indistinguishable from original work.

### 3.6 JOINT-SEALANT SCHEDULE

- A. Joint-Sealant Application: Exterior joints in vertical surfaces and horizontal nontraffic surfaces .
1. Joint Locations:
    - a. Construction joints in cast-in-place concrete.
    - b. Joints between plant-precaster architectural concrete units.
    - c. Control and expansion joints in unit masonry.
    - d. Joints in dimension stone cladding.

- e. Joints in exterior insulation and finish systems.
  - f. Joints between metal panels.
  - g. Joints between different materials listed above.
  - h. Perimeter joints between materials listed above and frames of doors, windows, and louvers.
  - i. Control and expansion joints in overhead surfaces.
  - j. Other joints as indicated on Drawings.
2. Joint Sealant: Silicone, nonstaining, S, NS, 50, NT.
  3. Joint-Sealant Color: As selected by Architect from manufacturer's full range of colors.
- B. Joint-Sealant Application: Interior joints in horizontal traffic surfaces .
1. Joint Locations:
    - a. Isolation joints in cast-in-place concrete slabs.
    - b. Control and expansion joints in tile flooring.
    - c. Other joints as indicated on Drawings.
  2. Joint Sealant: Urethane, S, P, 25, T, NT.
  3. Joint-Sealant Color: As selected by Architect from manufacturer's full range of colors.
- C. Joint-Sealant Application: Interior joints in vertical surfaces and horizontal nontraffic surfaces .
1. Joint Locations:
    - a. Control and expansion joints on exposed interior surfaces of exterior walls.
    - b. Tile control and expansion joints.
    - c. Vertical joints on exposed surfaces of unit masonry concrete walls and partitions.
    - d. Other joints as indicated on Drawings.
  2. Joint Sealant: Urethane, S, NS, 25, NT.
  3. Joint-Sealant Color: As selected by Architect from manufacturer's full range of colors.
- D. Joint-Sealant Application: Interior joints in vertical surfaces and horizontal nontraffic surfaces not subject to significant movement .
1. Joint Locations:
    - a. Control joints on exposed interior surfaces of exterior walls.
    - b. Perimeter joints between interior wall surfaces and frames of interior doors doors, windows,.
    - c. Other joints as indicated on Drawings.
  2. Joint Sealant: Acrylic latex.
  3. Joint-Sealant Color: Paintable.
- E. Joint-Sealant Application: Mildew-resistant interior joints in vertical surfaces and horizontal nontraffic surfaces .
1. Joint Locations:

- a. Joints between plumbing fixtures and adjoining walls, floors, and counters.
  - b. Tile control and expansion joints where indicated.
  - c. Other joints as indicated on Drawings.
2. Joint Sealant: Silicone, mildew resistant, acid curing, S, NS, 25, NT.
  3. Joint-Sealant Color: As selected by Architect from manufacturer's full range of colors.
- F. Joint-Sealant Application: Concealed mastics .
1. Joint Locations:
    - a. Aluminum thresholds.
    - b. Sill plates.
    - c. Other joints as indicated on Drawings.
  2. Joint Sealant: Butyl-rubber based.
  3. Joint-Sealant Color: As selected by Architect from manufacturer's full range of colors.
- G. Joint Sealant Colors:
1. Provide following colors, unless indicated otherwise on Drawings:
    - a. Sealants used in masonry control joints or stone joints shall match adjacent masonry mortar color.
    - b. Sealants used in exposed concrete shall match surrounding concrete color.
    - c. Sealants used at exterior metal flashings and copings shall match adjacent metal finish.
    - d. Exterior sealants used to seal around exterior windows and door frames shall match adjacent window and door frame color(s).
    - e. Exterior sealants used to seal around exterior windows and door frames shall match adjacent masonry mortar.
    - f. Interior sealants at windows and door frames shall be paintable (latex) white.
    - g. Interior sealants at masonry control joints shall be paintable (latex) white.

END OF SECTION

SECTION 096723.13 - RESINOUS FLOORING - LEVEL 1

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section includes:

- 1. Resinous flooring system concrete floor coating, pigmented (CFC).
- 2. Moisture vapor barrier.

B. Related Sections:

- 1. Section 096723.17 "Resinous Flooring - Level 3" for resinous flooring systems.
- 2. Section 033000 "Cast-in-Place-Concrete" for any waterproofing/densifiers related to the areas resinous flooring will be installed.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include manufacturer's technical data, application instructions, and recommendations for each resinous flooring component required.
- B. Samples for Verification: For each resinous flooring system required, 6 inches square, applied to a rigid backing by Installer for this Project, showing 4 clearly marked texture options for architect selection, contractor created.

1.5 INFORMATIONAL SUBMITTALS

- A. Installer Certificates: Signed by manufacturer certifying that installers comply with specified requirements.
- B. Material Certificates: For each resinous flooring component, from manufacturer.
- C. Manufacturer's local representative information, including city, state, email and phone number.

- D. Material Test Reports: For each resinous flooring system, by a qualified testing agency.
- E. Material Data: For the system CFC-1, data regarding the moisture vapor retarder beneath the slab. For the system CFC-2, data clearly stating that no moisture testing is required.

#### 1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For resinous flooring to include in maintenance manuals.

#### 1.7 QUALITY ASSURANCE

- A. Engage a flooring installer who is certified in writing by resinous flooring manufacturer as qualified to apply resinous flooring systems indicated.
- B. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
  - 1. Apply full-thickness mockups including moisture barrier on 96-inch- square floor area selected by Architect.
    - a. Include 96-inch length of integral cove base with inside and outside corner.
  - 2. Simulate finished lighting conditions for Architect's review of mockups.
  - 3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
  - 4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

#### 1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in original packages and containers, with seals unbroken, bearing manufacturer's labels indicating brand name and directions for storage and mixing with other components.

#### 1.9 FIELD CONDITIONS

- A. Environmental Limitations: Comply with resinous flooring manufacturer's written instructions for substrate temperature, ambient temperature, moisture, ventilation, and other conditions affecting resinous flooring application.
- B. Lighting: Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during resinous flooring application.
- C. Close spaces to traffic during resinous flooring application and for 24 hours after application unless manufacturer recommends a longer period.

## PART 2 - PRODUCTS

## 2.1 PERFORMANCE REQUIREMENTS

- A. VOC Content of Liquid-Applied Flooring Components: Not more than 100 g/L when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
- B. Flammability: Self-extinguishing according to ASTM D 635.

## 2.2 MANUFACTURERS

- A. Source Limitations: Obtain primary resinous flooring materials, including moisture barrier, primers, resins, hardening agents, grouting coats, and topcoats, from single source from single manufacturer. Obtain secondary materials, including patching and fill material, joint sealant, and repair materials, of type and from manufacturer recommended in writing by manufacturer of primary materials.
- B. Manufacturer must have a product representative local to project or will not be approved.

## 2.3 RESINOUS FLOORING CONCRETE FLOOR COATING (CFC-1)

- A. Resinous Flooring System: Abrasion-, impact-, and chemical-resistant, and resin-based monolithic floor surfacing designed to produce a seamless floor and integral cove base.
  - 1. Basis-of-Design Product: Subject to compliance with requirements, provide Sherwin-Williams product by:
    - a. Tennant Coatings
- B. System Characteristics:
  - 1. Color and Pattern: As selected by Architect from manufacturer's full range.
  - 2. Wearing Surface: Textured for slip resistance-submit 4 texture options for architect approval, contractor created.
  - 3. Overall System Thickness: 8 to 10 mils DFT per coat; 16 to 20 mils DFT total, not including moisture barrier.
- C. Moisture Vapor Barrier: Type recommended by resinous flooring manufacturer for existing and new floor slab warranted to prevent delamination of flooring resulting from below-grade or in-slab moisture.
  - 1. Resin: Epoxy
  - 2. Formulation Description: Epoxy.
  - 3. Type:
    - a. Sherwin-Williams Resuprime MVT.

4. Number of Coats: One
  5. Thickness of Coat: 8-20 mils, depending on moisture readings
- D. Primer: Type recommended by resinous flooring manufacturer for substrate and resinous flooring system indicated.
1. Resin: Epoxy
  2. Formulation Description: Epoxy.
  3. Type:
    - a. Pigmented Sherwin-Williams 3579 Standard Epoxy Primer/Binder.
  4. Number of Coats: One
  5. Thickness of Coat: 8-10 mils DFT.
- E. Top Coat:
1. Resin: Epoxy.
  2. Formulation Description: Epoxy.
  3. Type:
    - a. Pigmented. Tennant Coatings ECO-HTS 100.
  4. Color: To be selected from Manufacturer's full range.
  5. Number of Coats: One.
  6. Thickness of Coats: 8 to 10 mils DFT.
- F. System Physical Properties: Provide resinous flooring system with the following minimum physical property requirements when tested according to test methods indicated:
1. Impact Resistance: 100 in. lbs. direct, 80 in. lbs. indirect, in compliance with ASTM D 2794.
  2. Abrasion Resistance: 150 mgs maximum weight loss according to ASTM D 4060.
  3. Hardness: H Pencil Hardness in compliance with ASTM D 3363.
  4. Adhesion: 550 psi in compliance with ASTM D 4541.

### PART 3 - EXECUTION

#### 3.1 PREPARATION

- A. Prepare and clean substrates according to resinous flooring manufacturer's written instructions for substrate indicated. Provide clean, dry substrate for resinous flooring application.
- B. Reference Division 03 Section Cast-In-Place for any waterproofing/densifiers related to the areas resinous flooring will be installed. Contractor to verify if these products are compatible; if they are not compatible, notify Architect prior to bidding.

- C. Concrete Substrates: Provide sound concrete surfaces free of laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil, and other contaminants incompatible with resinous flooring.
1. Roughen concrete substrates as follows:
    - a. Grind surfaces with an apparatus that abrades the concrete surface and contains the dispensed dust within the apparatus.
    - b. Comply with ASTM C 811 requirements unless manufacturer's written instructions are more stringent.
  2. Repair damaged and deteriorated concrete according to resinous flooring manufacturer's written instructions.
  3. Verify that concrete substrates are dry and moisture-vapor emissions are within acceptable levels according to manufacturer's written instructions.
    - a. Anhydrous Calcium Chloride Test: ASTM F 1869. Proceed with application of resinous flooring only after substrates have maximum moisture-vapor-emission rate of 3 lbs. of water/1000 sq. ft. of slab area in 24 hours.
    - b. Relative Humidity Test: Use in situ probes, ASTM F 2170. Proceed with installation only after substrates have a maximum 80 percent relative humidity level measurement.
  4. Alkalinity and Adhesion Testing: Verify that concrete substrates have pH within acceptable range. Perform tests recommended by manufacturer. Proceed with application only after substrates pass testing.
- D. Patching and Filling: Use patching and fill material as recommended by manufacturer to fill holes and depressions in substrates according to manufacturer's written instructions.
1. Control Joint Treatment: Treat control joints and other nonmoving substrate cracks to prevent cracks from reflecting through resinous flooring according to manufacturer's written instructions.
- E. Resinous Materials: Mix components and prepare materials according to resinous flooring manufacturer's written instructions.

### 3.2 APPLICATION

- A. Apply components of resinous flooring system according to manufacturer's written instructions to produce a uniform, monolithic wearing surface of thickness indicated.
1. Coordinate application of components to provide optimum adhesion of resinous flooring system to substrate, and optimum intercoat adhesion.
  2. Cure resinous flooring components according to manufacturer's written instructions. Prevent contamination during application and curing processes.
  3. Expansion and Isolation Joint Treatment: At substrate expansion and isolation joints, comply with resinous flooring manufacturer's written instructions.

- B. Moisture Barrier: Apply moisture barrier according to manufacturer's written instructions.
- C. Primer: Apply primer over prepared substrate at manufacturer's recommended spreading rate.
- D. Topcoats: Apply topcoats in number indicated for flooring system and at spreading rates recommended in writing by manufacturer and to produce wearing surface indicated.

### 3.3 FIELD QUALITY CONTROL

- A. Material Sampling: Owner may, at any time and any number of times during resinous flooring application, require material samples for testing for compliance with requirements.
  - 1. Owner may engage an independent testing agency to take samples of materials being used. Material samples will be taken, identified, sealed, and certified in presence of Contractor.
  - 2. Testing agency will test samples for compliance with requirements, using applicable referenced testing procedures or, if not referenced, using testing procedures listed in manufacturer's product data.
  - 3. If test results show applied materials do not comply with specified requirements, pay for testing, remove noncomplying materials, prepare surfaces coated with unacceptable materials, and reapply flooring materials to comply with requirements.
- B. Core Sampling: At the direction of Owner and at locations designated by Owner, take one core sample per 1000 sq. ft. of resinous flooring, or portion of, to verify thickness. For each sample that fails to comply with requirements, take two additional samples. Repair damage caused by coring. Correct deficiencies in installed flooring as indicated by testing.

### 3.4 PROTECTION

- A. Protect resinous flooring from damage and wear during the remainder of construction period. Use protective methods and materials, including temporary covering, recommended in writing by resinous flooring manufacturer.

END OF SECTION



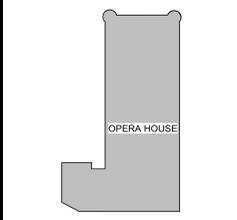
Project No. 2023-084.RMO  
 Project Date 01.12.2024  
 Produced KER



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#	Revision	Date
A1	Addendum 1	02.13.2024

104 Indiana Avenue,  
 Valparaiso, IN 46383



KEY PLAN

PORTER COUNTY BOARD OF COMMISSIONERS



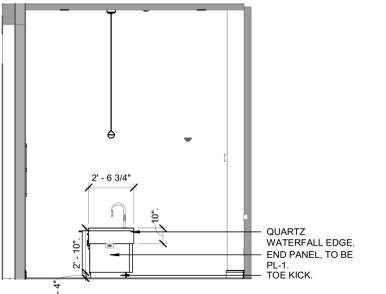
MEMORIAL OPERA HOUSE

INTERIOR ELEVATIONS

I-210.3

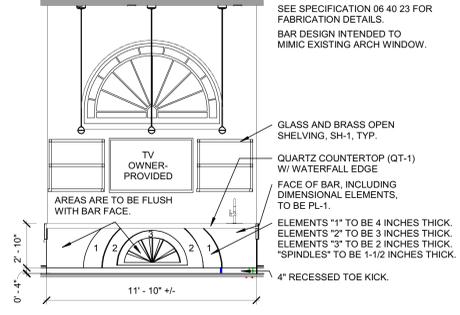
EXAMPLE OF ARTWORK, TO BE PROCURED THROUGH OWNER ARCHIVES.

1) CUSTOM WALL GRAPHIC TO FILL WALL, VWC-1.  
 2) G.C. TO COORDINATE WITH LOCAL PAINT CO. FOR INSTALLATION.  
 3) CUSTOM WALLCOVERING GRAPHICS VENDOR: REPRO GRAPHIX.  
 CONTACT: CAROLINE HALL; 317-695-9559; CHALL@REPROGRAPHIX.COM; SPEC. 09.72.00



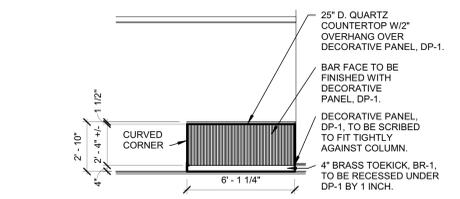
**2E LOUNGE 202 - BAR SIDE**  
 1/4" = 1'-0"  
 CASEWORK-PL-1  
 COUNTERTOP: QT-1  
 SPECIFICATION: 06.40.23/12.36.61.19

**1E ENGINEERING STORAGE - CASEWORK**  
 1/4" = 1'-0"  
 SPECIFICATION: 09.72.00

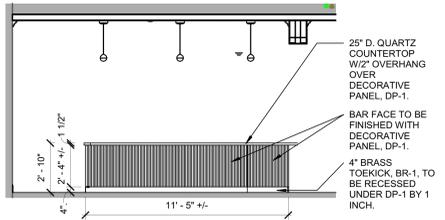


**2D LOUNGE 202 - BAR FRONT**  
 1/4" = 1'-0"  
 COUNTERTOP: QT-1  
 SPECIFICATION: 06.40.23/12.36.61.19

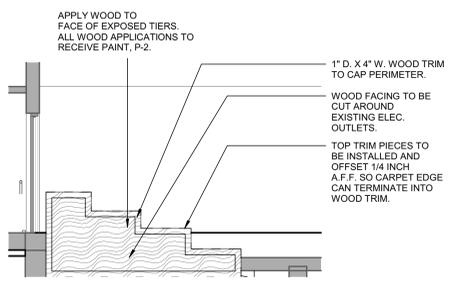
**1D LOUNGE 202 - BAR CASEWORK**  
 1/4" = 1'-0"  
 CASEWORK-PL-1  
 COUNTERTOP: QT-1  
 SPECIFICATION: 12.32.00/12.36.61.19



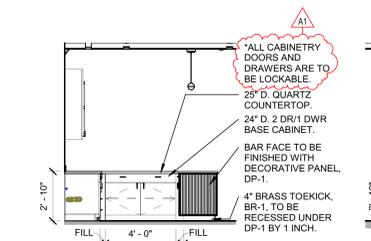
**2C LOBBY 100 - BAR SIDE**  
 1/4" = 1'-0"  
 CASEWORK-PL-1  
 COUNTERTOP: QT-1  
 SPECIFICATION: 06.40.23/12.36.61.19



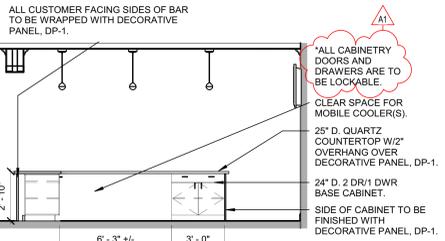
**1C LOBBY 100 - BAR FRONT**  
 1/4" = 1'-0"  
 CASEWORK-PL-1  
 COUNTERTOP: QT-1  
 SPECIFICATION: 06.40.23/12.36.61.19



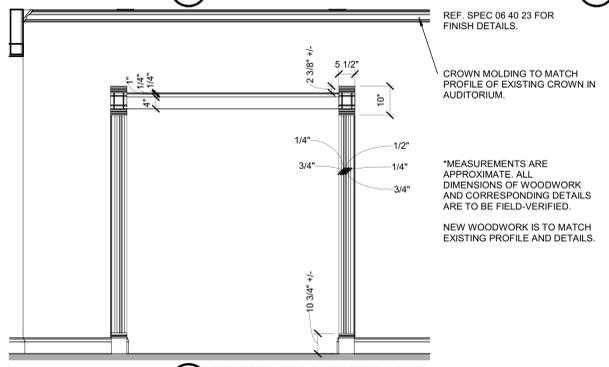
**3B BALCONY TIERED SEATING DETAIL, TYP.**  
 1/4" = 1'-0"



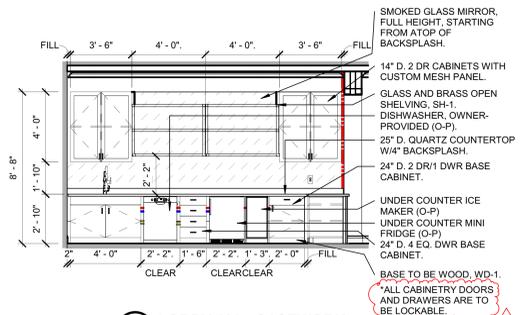
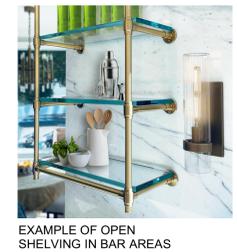
**2B LOBBY 100 - CASEWORK CONT.**  
 1/4" = 1'-0"  
 CASEWORK-PL-1  
 COUNTERTOP: QT-1  
 SPECIFICATION: 12.32.00/12.36.61.19



**1B LOBBY 100 - BAR INTERIOR**  
 1/4" = 1'-0"  
 CASEWORK-PL-1  
 COUNTERTOP: QT-1  
 SPECIFICATION: 12.32.00/12.36.61.19



**3A TYPICAL WOODWORK DETAIL**  
 1/2" = 1'-0"



**1A LOBBY 100 - CASEWORK**  
 1/4" = 1'-0"  
 CASEWORK-PL-1  
 COUNTERTOP: QT-1  
 SPECIFICATION: 12.32.00/12.36.61.19

E  
 D  
 C  
 B  
 A

DATE PLOTTED: 01/12/2024 10:58:11 AM  
 PLOTTER: HP DesignJet T1100e  
 FILE: I-210.3.dwg  
 USER: s.k.hempstead

5.5.100 - INTERIOR FINISH LEGEND						
SPEC.	MARK	DESCRIPTION	MANUFACTURER	COLLECTION/PATTERN	COLOR	COMMENTS
<b>FLOORING</b>						
06 40 23	WD-1	WOOD BASE	SEE SPECIFICATION	SEE SPECIFICATION	SEE SPECIFICATION	STAINED TO MATCH VT INDUSTRIES, CHOCOLATE FINISH CH18
09 30 00	PFT-1	PORCELAIN FLOOR TILE	DALTILE	PERPETUO/UNPOLISHED	PT22	LOCATION(S): GENERAL LOBBY FLOOR. SIZE: 12 BY 24 INCHES; INSTALL: ASHLAR
09 30 00	PFT-2	PORCELAIN FLOOR TILE	DALTILE	QUARTETTO	WARM CIRCOLO QU13	LOCATION(S): ACCENT LOBBY FLOOR. SIZE: 8 BY 8 INCHES DECORATIVE FLOOR TILE. INSTALL: REF. "I" SERIES DRAWINGS. FOR DETAILS.
09 30 00	PFT-3	PORCELAIN FLOOR TILE	DALTILE	ARTICULO/EDITORIAL WHITE RECTANGLE	AR06	SIZE: 12 BY 24 INCHES; INSTALL: HERRINGBONE.
09 30 00	PMT-1	PORCELAIN MOSAIC TILE	DALTILE	KEYSTONE	DK16 ARCTIC WHITE/BLACK	SIZE: STANDARD SHEET SIZE. INSTALL: STANDARD PATTERN SP8408 ; LOCATION(S): SECOND FLOOR RESTROOM
09 65 13	RST-1	RUBBER STAIR TREAD	NORA	PLATINUM GREY 0882		SIZE: LENGTHS AND DEPTHS TO FIT EACH STAIR TREAD IN ONE PIECE.
09 65 19	LVT-1	LUXURY VINYL TILE	INTERFACE	TEXTURED STONES	POLISHED CEMENT	SIZE: 19.685 BY 19.685 INCHES; INSTALL: ASHLAR; LOCATION(S): SECOND FLOOR LOUNGE
09 68 13	CPT-1	CARPET TILE (FIELD)	JJ FLOORING	APERTURE II 7770	WARM TONED 2255	SIZE: 24 BY 24 INCHES; INSTALL: MONOLITHIC.
<b>FURNISHINGS</b>						
06 40 23	BR-1	BRASS TOEKICK	SEE SPECIFICATION	SEE SPECIFICATION	BRASS	4" BRASS TOEKICK PLATE TO WRAP CONTINUOUSLY AROUND FIRST FLOOR BAR FRONT. PLATE IS TO BE FLAT.
06 40 23	DP-1	DECORATIVE PANEL	RICHELIEU	DECOR TAMBOUR SOLID WOODS 39308/MAPLE	STAINED (SEE SPECIFICATION)	LOCATION(S): 1ST FLOOR BAR - CUSTOMER FACING SURROUND
06 40 23	SH-1	GLASS SHELIVING	GALLERY METALWORKS	CUSTOM	CUSTOM	CUSTOM GLASS AND BRASS BAR SHELIVING FOR BARS
12 24 13	RWS-1	ROLLER WINDOW SHADES	SEE SPECIFICATION	SEE SPECIFICATIONS		LOCATION(S): AUDITORIUM WINDOWS
12 32 00	PL-1	PLASTIC LAMINATE	WILSONART	SOFTGRAIN FINISH	BRUSHED WALNUT Y0643	LOCATION(S): GENERAL CASEWORK, RESTROOM VANITIES
12 36 61 16	SS-1	SOLID SURFACE	WILSONART	--	ARCTIC DUNE 9253CM	LOCATION(S): RESTROOM VANITY COUNTERTOP
12 36 61 19	QT-1	QUARTZ SOLID SURFACE	CORIAN	--	CALAGATTA NATURA	LOCATION(S): BAR COUNTERTOPS
<b>WALLS</b>						
06 83 00	MR-1	SMOKED MIRROR GLASS	DREAM WALLS	6MM - 1/4"	TBD	LOCATION(S): 1ST FLOOR BAR WALL
09 30 00	CWT-1	CERAMIC WALL TILE	ERGON	TR6ND/MAJOLICA 13F71	IVORY SHINY	SIZE: 4.75 BY 9.75 INCHES; 9MM. INSTALL: BRICK
09 30 00	CWT-2	CERAMIC WALL TILE	DALTILE	REVALIA REMIX/BEVEL BRICK JOINT	CENTENNIAL WHITE RV08	SIZE: 2 BY 6 INCHES; INSTALL: BRICK
09 30 00	CWT-3	CERAMIC WALL TILE	DALTILE	REVALIA REMIX/BEVEL BRICK JOINT	JUBILEE BEIGE RV10	SIZE: 2 BY 6 INCHES; INSTALL: BRICK
09 30 00	CWT-4	CERAMIC WALL TILE	MARAZZI, DIV. OF DALTILE	ARTISTIC REFLECTIONS- GLOSS	AE10 ONYX	SIZE: 2 BY 10 INCHES; INSTALL: BRICK
09 30 00	TR-1	CERAMIC WALL TILE	MARAZZI, DIV. OF DALTILE	JOLLY TRIM PIECE S1/210J	AE10 ONYX	SIZE: 1/2 BY 10 INCHES;
09 72 00	VWC-1	VINYL WALLCOVERING	CUSTOM	CUSTOM	CUSTOM IMAGE PER OWNER	SIZE: TO FIT DIMENSIONS OF WALL. REFER TO ELEVATION 1E1/2-10.
09 91 23 99	CP-1	PAINT (ACCENT)	MDC	L'LIQUAPEARL	LP1229 (SILVER)	LOCATION(S): AUDITORIUM, SHALL REPLACE EXISTING PAINTED SILVER DETAILS
09 91 23 99	CP-2	PAINT (ACCENT)	MDC	L'LIQUAPEARL	LP1237 (GOLD)	LOCATION(S): AUDITORIUM, SHALL REPLACE EXISTING PAINTED GOLD DETAILS
09 91 23 99	P-1	PAINT (FIELD)	SHERWIN WILLIAMS	--	SW 9166 DRIFT OF MIST	LOCATION(S): GENERAL PAINT, AUDITORIUM WALLS (TO REPLACE AREAS CONTAINING EXISTING GREEN)
09 91 23 99	P-2	PAINT (ACCENT)	SHERWIN WILLIAMS	--	SW 7641 COLONNADE GRAY	LOCATION(S): ALL STAINED WOODWORK IN AUDITORIUM
09 96 00 99	HP-1	HIGH PERFORMANCE PAINT	SHERWIN WILLIAMS	--	SW 9166 DRIFT OF MIST	LOCATION(S): WHERE INDICATED
09 96 00 99	HP-2	HIGH PERFORMANCE PAINT	SHERWIN WILLIAMS	--	SW 7641 COLONNADE GRAY	LOCATION(S): WHERE INDICATED
09 96 00 99	HP-3	HIGH PERFORMANCE PAINT	SHERWIN WILLIAMS	--	SW 7074 SOFTWARE	LOCATION(S): EXTERIOR HOLLOW METAL DOORS (BOTH SIDES)

### Interior General Notes

A. FINISHES PRIOR TO START & FINAL COMPLETION OF WORK  
 • Where existing finishes are to remain outside scope of work, patch & repair any area damaged or effected by renovation, to return to like new condition, matching adjacent finishes. This includes, but is not limited to doors & associated hardware, door frames, wall finishes, wall base, floor finish including floor transitions & thresholds, etc. It is the responsibility of the Contractor to verify conditions in field prior to start & completion of work.

B. Interior Painting/Wallcovering  
 • Existing wall conditions that were not specifically noted to be patched and repaired, but are designated to receive new finishes, are to be repaired prior to new finishes being applied. It is the Contractors responsibility to confirm conditions in field prior to start of work.  
 • Walls are to be prepped removing any existing wallcovering & residue, holes patched, and surface smoothed prior to new paint or wallcovering being installed.

C. Reference Architectural ceilings plans for ceiling heights and bulkhead color designations. Paint all bulkheads HP-1 or P-1 unless specifically noted otherwise. Bulkheads that are flush with walls provide color to match adjacent wall color.

D. Paint all exposed conduit, piping, and associated assemblies to match adjacent paint finish. Applies to all new & existing to remain in areas of renovation or new construction.

E. Paint general walls HP-1 or P-1 (Neutral) unless specifically noted otherwise.

F. Exposed & existing brick shall not be painted unless specifically noted otherwise.

G. Where floor finish transitions between rooms, align transition centered with threshold of door  
 1. LVT to carpet does not require transition strip, products will abut at same height.

H. Appliances and vending equipment are not provided in this contract.



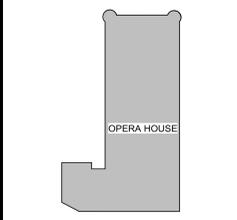
Project No. 2023-084.RMO  
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#	Revision	Date
A1	Addendum 1	02.13.2024

104 Indiana Avenue, Valparaiso, IN 46383



KEY PLAN

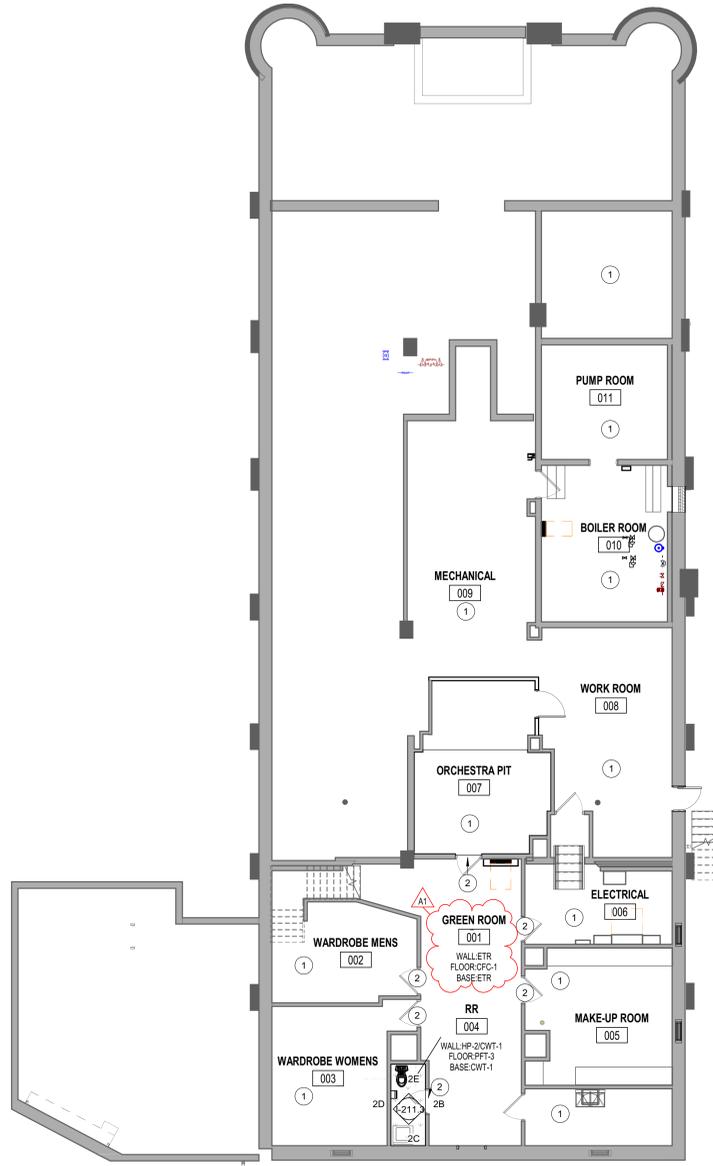
PORTER COUNTY BOARD OF COMMISSIONERS



MEMORIAL OPERA HOUSE

BASEMENT FLOOR INTERIOR PLAN

IN100.3



### INTERIOR FLOOR PLAN NOTES

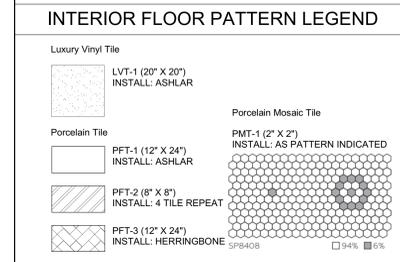
#	NOTE
1	EXISTING TO REMAIN. NO NEW FINISHES.
2	EXISTING DOOR TO RECEIVE NEW PAINT. COLOR TO BE HP-2.
3	09 65 13 - STAIR TREADS AND LANDINGS TO RECEIVE RST-1. ALL EXPOSED STEEL ASSEMBLIES TO BE PAINTED HP-3, UNLESS NOTED OTHERWISE.
4	NOT USED.
5	NOT USED.
7	06 40 23 - STAIR RAILINGS TO BE STAINED TO MATCH DOOR/TRIM/MOLDING SPECIFIED COLOR.
8	09 91 23 99 - ALL EXISTING AUDITORIUM WINDOW SILLS ARE TO RECEIVE PAINT, P-2.
9	EXISTING WINDOW SHUTTERS AND FABRIC WINDOW SHADING TO BE PERMANENTLY REMOVED.
10	EXISTING FABRIC VALANCES (BLUE WITH GOLD TRIM) ARE TO BE REMOVED DURING CONSTRUCTION AND GIVEN TO OWNER. VALANCES ARE NOT TO BE REINSTALLED.
11	12 24 13 - WINDOWS TO RECEIVE ROLLER WINDOW SHADES, RWS-1. SEE SPECIFICATION FOR DETAILS.
12	09 30 00 - WALLS TO RECEIVE CWT-1,2,3. REFERENCE SHEET I-211/2B FOR DETAILS.
13	09 91 23 99 - BOTH SIDES OF BALCONY WALL ARE TO RECEIVE PAINT, P-2. BRASS GUARD RAIL SHALL BE EXISTING TO REMAIN.
14	09 30 00 - REF. DETAIL IN101.35C FOR DESIGN DETAILS.

### INTERIOR FLOOR GENERAL NOTES

REFERENCE A-001 FOR GENERAL PLAN NOTES. All notes may not apply to this sheet.

A. Coordinate all expansion joints and flooring transitions as they relate to the floor pattern shown.

B. Where floor finish transitions between rooms, align transition centered with threshold of door unless noted otherwise.



2A BASEMENT FLOOR INTERIOR PLAN  
 1/8" = 1'-0"

10/23/2024 10:45:00 AM  
 PORTER COUNTY BOARD OF COMMISSIONERS  
 MEMORIAL OPERA HOUSE  
 BASEMENT FLOOR INTERIOR PLAN  
 IN100.3