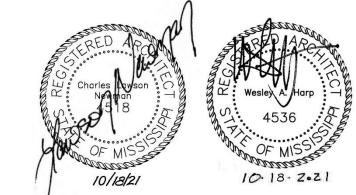
WFT Architects, P.A. 770 North State Street Jackson, MS 39202 (O) 601-352-4691 mail@wftarchitect.com

ADDENDUM NO. 6:

Date of Addendum: October 18, 2021



This addendum forms a part of the Bid Documents and modifies the original Drawings and Project Manual dated July 30, 2021.

# **GENERAL**

Item No. 1Questions received from plan holders regarding the containment systems specified at<br/>Section 02 8500 – Mold Remediation and Environmental Controls have been<br/>answered generally and included at this Addendum as Attachment 1. Refer to<br/>subsequent items contained within this Addendum for clarification of the documents.

# PROJECT MANUAL

Item No. 2 Revise:	<b>Division 0, Section 00 4200, Proposal Form – Unit Prices</b> Replace the current page number 7a in Section 00 4200, Proposal Form – Unit Prices
	with the revised page number 7a included with this addendum as Attachment 2.
Item No. 3	Division 1, Section 01 8000, Special Requirements, Part 3 – Alternate
<b>Revise:</b>	Supplement, 3.01 - Description of Alternates
	Replace the current page number 25 in Section 01 8000, Special Requirements, Part 3 – Alternate Supplement, 3.01 Description of Alternates, with the revised page number 25 included with this addendum as Attachment 3.
	25 melded with this addendum as Attachment 5.
Item No. 4	Division 1, Section 01 8000, Special Requirements, Part 6 – Institution/Agency Requirements, Revise: Supplement, 6.03 – Contractor's Use of Premises Supplement as Follows:
Revise	At Addendum No. 2, change all paragraph and subparagraph numbers which reference Article 6.02 to refer to Article 6.03 – Contractor's use of premises supplement.
Revise:	Revise paragraph 6.02.F. as follows, "F. The Contractor shall not use the building's <u>personnel</u> elevators for any reason (including transport of personnel, tools and materials). <b>The Owner shall allow the use of the building's freight elevator for the</b>
	Contractor's access to the interior work areas (including transport of personnel,
	tools and materials). The Contractor shall coordinate with the Laboratory Personnel
	for the use of the Freight Elevator and Loading Dock and shall maintain access
	required by the Laboratory, at all times. The building's north stair shall only be used
	where permitted in writing by the Architect and Owner. The building's south stair
	tower shall be used to provide access to interior work areas, except during work
	adjacent to the South Stair which must be accessed through the containment anteroom

	and buffer room doorways. The Owner will provide construction cores for the lockset at the base of the Stair. The Contractor shall be responsible for installing the construction cores and replacing the original cores at the completion of the project. The Contractor shall be responsible for maintaining the security of the stair, which shall remain locked from the outside, at all times. The Contractor shall not obstruct, lock, or otherwise restrict egress from the interior at any time.
Clarify:	At references to use of building elevators in the Project Manual, the above revision shall govern.
Item No. 5 Add:	<ul> <li>Division 2, Section 02 8500, Mold Remediation and Environmental Controls: At paragraph 1.03 – Work Included, add subparagraph 1.03.E as follows:</li> <li>E. After the requirements of the Post Remediation Assessment have been met, perform weekly inspections to maintain the integrity and pressurization of each contained work area until the repair work has been completed.</li> </ul>
Item No. 6	Division 4, Section 04 2500, Brick Masonry:
Revise:	At paragraph 2.01 – Brick Units, replace subparagraph 2.01.A and 2.01.B with the following:
	A. To greatest extent practicable, salvage existing brick from demolition area. Supplement salvaged brick from building with new brick matching color and distribution of existing blend. Salvaged brick shall be clean of all mortar and stains.
	1. Cut out horizontal joints prior to demolition to preserve aris of face brick to greatest extent practicable.
	<ol> <li>Sample masonry panel required at paragraph 1.07 shall be comprised of salvaged brick and quantities of new brick required to represent anticipated blend.</li> </ol>
	<ul> <li>B. Manufacturers of new brick:</li> <li>1. Face brick: Face brick blend shall match brick existing units in size, color, texture, and distribution of blend.</li> </ul>
	<ol> <li>Substitutions: Refer to Division 01, Section 01 6000 – Substitutions and Product Options.</li> </ol>
Item No. 7 Omit:	<b>Division 7, Section 07 1413, Hot Fluid-Applied Rubberized Asphalt Roofing:</b> Omit Section 07 1413 – Hot Fluid-Applied Rubberized Asphalt Roofing.
Item No. 8 Revise:	<b>Division 7, Section 07 2726, Fluid-Applied Membrane Air Barriers:</b> At paragraph 2.04 – Membrane Air Barrier, replace subparagraph 2.04.A with the following:
	<ul> <li>A. Fluid-Applied, Vapor-Retarding Membrane Air Barrier: Elastomeric, UV- resistant, synthetic membrane, formulated for application in a range of 80 mils (wet), 40 mils (dry)</li> </ul>
	<ol> <li>Basis of Design Product: Tremco, Inc., ExoAir 230.</li> <li>Air Permeance, ASTM E 2178: 0.004 cfm/sq. ft of surface area at 1.57-lbf/sq. ft. (0.02 L/s x sq. m of surface area at 75-Pa) pressure difference, maximum.</li> <li>Vapor Permeance, ASTM E 96/E96M: Minimum 12 perms (690 ng/Pa x s x sq. m).</li> </ol>
	<ol> <li>Elongation, Ultimate, ASTM D 412, Die C: 600 percent, minimum.</li> <li>Combustion Characteristics: Class A, flame spread, not greater than 25;</li> </ol>
ADDENDUM NO 6	Page 2 of 6

	<ul> <li>smoke developed, not greater than 450, per ASTM E 84.</li> <li>6. UV Resistance, QUV-B: Over 160 cycles of UV and water spray with no observable deterioration.</li> <li>7. VOC Content: Less than 50 g/L.</li> </ul>
Item No. 9 Add:	<ul> <li>Division 7, Section 07 6500, Flexible Flashing:</li> <li>At paragraph 1.01 – Section Includes, add the following subparagraphs:</li> <li>C: Labor, materials, equipment and supervision as required to install self-adhered flexible flashing systems at roof copings, as indicated on Drawings.</li> <li>D. Metal clad bituminous base flashing system to be installed at existing warrantied modified bituminous roofing system, as indicated on Drawings.</li> </ul>
Add:	<ul> <li>At paragraph 2.04 – Self-Adhering Sheet Air Barrier, add the following subparagraph 2.04.B:</li> <li>A. Metal Clad Self-Adhered Flexible Flashing System (for use at parapet copings): <ol> <li>UV resistant self-adhered water resistive air barrier membrane comprised of rubberized asphalt and dual-layers of high strength polyolefin with a surface layer metallic aluminum film; having the following typical physical properties:</li> <li>a. Basis of design: Henry Blueskin Metal Clad Self-Adhered Water Resistive Air Barrier, as manufactured by Henry Company, 999 N. Pacific Coast Highway, Suite 800 El Segundo, CA 90245, (800) 486-1278 www.henry.com.</li> <li>b. Color: Aluminum foil laminate</li> <li>c. Thickness, nominal: 40 mils (1.0 mm)</li> <li>d. Vertical and lateral flame propagation: meets NFPA 285 Exception #2 Per ASTM El354 and ASTM E84</li> <li>e. Minimum Application Temperature: 20° F (-7° C)</li> <li>f. Service Temperature: -40 °F to +240 °F (-40 °C to +116 °C)</li> <li>g. Water Vapor Permeance (ASTM E2178): &lt;0.0006 cfm/ft2 (&lt;0.003 L/s.m.2)</li> <li>i. Air leakage:     <ul> <li>I. Assembly (ASTM E2357): Pass</li> <li>Z. Air Leakage Rate (CAN/ULC-S742) Classification A1</li> <li>j. UV resistance:         <ul> <li>I. UV resistance during construction: 12 months</li> <li>Permanent UV exposure under open joint cladding</li> <li>k. Nail Sealability (AAMA 711, ASTM D1970 modified): Pass</li> <li>I. Flame Spread Index (ASTM E84) 350, Class A</li> <li>m. Smoke Development (ASTM E84) 350, Class A</li> <li>n. Fire Testing (NFPA 285): Compliant in various wall assemblies</li> <li>Declaration Status: LBC Red List FreeComposite membrane, with not less than 16 mils of butyl laminated to not less than 6 mils metalized high-density polyethylene film.</li> </ul> </li> </ul></li></ol></li></ul>
Add:	installation. At paragraph 2.04 – Self-Adhering Sheet Air Barrier, add the following subparagraph 2.04.C:
	C. Metal-clad bituminous flashing for parapet wall flashing and finish ply at perimeter base flashing: Veral Aluminum, as manufactured by Siplast, Inc. Equal products from Soprema, Inc. or Garland, Inc. will be considered.

	<ol> <li>Aluminum-clad asphalt elastomer sheet. glass mat/glass scrim reinforced.         <ul> <li>a. Top Surfacing: Continuous Aluminum Foil.</li> <li>b. Back Surfacing: Silica Parting Agent.</li> <li>c. Servage Surfacing: Silicon Coated Release Paper.</li> <li>d. Weight: 92 lbs./100 square feet.</li> <li>e. Thickness: 142 mils, average (138 mils, minimum).</li> </ul> </li> <li>Self Adhered parapet base ply: Paradiene 20 SA - Lightweight Random Fibrous Glass Mat, as manufactured by Siplast, Inc.         <ul> <li>a. Top Surfacing: Silica Parting Agent.</li> <li>b. Back Surfacing: Polyolefin Release Film.</li> <li>c. Weight: 72 lbs./100 square feet.</li> <li>d. Thickness: 98 mils, average (102 mils, minimum)</li> </ul> </li> </ol>
Item No. 10 Replace:	<b>Division 7, Section 07 9190, Joint Sealants:</b> Replace Section 07 9190 – Joint Sealants with Section 07 9190 as included with this Addendum as Attachment 4.
Item No. 11 Add:	<b>Division 8, Section 08 1200 – Doors and Frames:</b> At Division 8, add Section 08 1200 – Doors and Frames as included with this Addendum as Attachment 5.
Item No. 12 Add:	<b>Division 8, Section 08 7100 – Door Hardware:</b> At Division 8, add Section 08 7100 – Door Hardware as included with this Addendum as Attachment 6.
DRAWINGS	
Item No. 13 Revise:	<ul> <li>Sheets A0.1.1, A0.1.2, A0.1.3, A0.1.4</li> <li>At Overall Plan Keyed Notes, replace Keyed Note No. 8 with the following:</li> <li>8. Remove portion of existing partition and install new door. Contractor shall provide the following: <ul> <li>a. Remove portion of existing partition and install new 42 inch x 96 inch door. Contractor shall provide the following:</li> <li>b. Relocate existing disconnect serving approx. 10' east. Provide new feed to existing panel LDP1A at Electrical Room 1008. Terminate surface mounted raceway and conductors on east side of new door frame, both sides of partition. Refer to Electrical Drawings.</li> <li>c. Relocate wall mounted air dryer (canister filter mounted on wall bracket) within slack of existing hosing.</li> <li>d. Demolish existing liquid nitrogen drop to above ceiling and cap.</li> <li>e. Provide new door, frame, and hardware matching door at east end of lab, size shall be 42 inches wide x 96 inches high. See 081200 – Doors &amp; Frames and 087100 – Door Hardware.</li> <li>f. Patch and repaint finishes as required to blend smoothly into surrounding existing finishes.</li> </ul> </li> </ul>

Item No. 14 Revise:	Sheets A0.2.1, A0.2.2, A0.2.3, A0.2.4 Replace the current sheets A0.2.1, A0.2.2, A0.2.3, and A0.2.4 with the revised sheets A0.2.1, A0.2.2, A0.2.3, and A0.2.4 included with this Addendum as Attachments 7, 8, 9, and 10, respectively. Refer to clouded notes and related modifications therein.
Item No. 15	<b>Sheets A0.4.1, A0.4.2, A0.4.3</b>
Revise:	Replace the current sheets A0.4.1, A0.4.2, and A0.4.3 with the revised sheets A0.4.1, A0.4.2, and A0.4.3 included with this Addendum as Attachments 11, 12, and 13, respectively. Refer to clouded notes and related modifications therein.
Item No. 16	<b>Sheet A0.4.4</b>
Add:	Add sheet A0.4.4 included with this Addendum as Attachment 14. Refer to clouded notes and related modifications therein.
Item No. 17	<b>Sheet A0.5.1</b>
Add:	Add sheet A0.5.1 included with this Addendum as Attachment 15. Refer to clouded notes and related modifications therein.
Item No. 18 Revise:	<b>Sheet A1.1.3</b> Replace the current sheet A1.1.3 the revised sheet A1.1.3 included with this Addendum as Attachment 16. Refer to clouded notes and related modifications therein.
Item No. 19	<b>Sheets A1.2.1, A1.3.2, A1.4.1</b>
Revise:	Replace the current sheets A1.2.1, A1.3.2, and A1.4.1 with the revised sheets A0.2.1, A1.3.2, and A1.4.1 included with this Addendum as Attachments 17, 18, and 19, respectively. Refer to clouded notes and related modifications therein.
Item No. 20	<b>Sheet A1.5.1</b>
Add:	Add sheet A1.5.1 included with this Addendum as Attachment 20. Refer to clouded notes and related modifications therein.
Item No. 21	Sheets A2.1.1, A2.1.2
Revise:	At Reflected Ceiling Plan 2/A2.1.1, change the reference of the flagged detail to "1/A3.1.1."
Revise:	At Detail 3/A2.1.2, change the reference of the flagged detail to "4/0.4.3."
Item No. 22	<b>Sheets A3.1.1, A3.1.2, A3.1.3</b>
Revise:	Replace the current sheets A3.1.1 and A3.1.2, and A3.1.3 with the revised sheets A3.1.1, A3.1.2, and A3.1.3 included with this Addendum as Attachments 21, 22, and 23, respectively. Note incorporation of expanded containment area layouts.
Item No. 23	Sheet 3.2.1, 3.2.2, A3.3.1
Revise:	Replace the current sheets A3.2.1, 3.2.2, and A3.3.1 with the revised sheets A3.2.1, A3.2.2, and A3.3.1 included with this Addendum as Attachments 24, 25, and 26 respectively. Refer to clouded notes and related modifications therein.

Item No. 24 Revise:	<b>Sheets A3.3.2</b> At Wall Sections 1,2,3,4/A3.3.2, note the addition of horizontal reveals as indicated on revised elevations at 1/A3.2.1 and 3/A3.2.2.
Item No. 25	<b>Sheet 3.3.4</b>
Revise:	Replace the current sheet A3.3.4 with the revised sheet A3.3.4 included with this Addendum as Attachment 27. Refer to clouded notes and related modifications therein.
Item No. 26	<b>Sheet A3.3.5</b>
Add:	Add sheet A3.3.5 included with this Addendum as Attachment 28. Refer to clouded notes and related modifications therein.
Item No. 27	<b>Sheets A3.4.1</b>
Revise:	At Plan Detail 5/A3.4.1, change the building section flag indicating "1/A3.2.3" to "3/A3.2.2."
Item No. 28	<b>Sheets A4.1.1, A4.1.2, A4.1.3</b>
Revise:	Replace the current sheets A4.1.1, A4.1.2, and 4.1.3 with the revised sheets A4.1.1, 4.1.2, and A4.1.3, included with this Addendum as Attachments 29, 30, and 31, respectively. Refer to clouded notes and related modifications therein. Note revised locations of containment partitions as indicated at A0.1.1, A0.1.2, A0.1.3, and A0.1.4.
Item No. 29	<b>Sheets A4.2.1, A4.2.2</b>
Revise:	Replace the current sheets A4.2.1 and A4.2.2 with the revised sheets A4.2.1 and A4.2.2 included with this Addendum as Attachments 32, and 33, respectively. Refer to clouded notes and related modifications therein.
Item No. 30	<b>Sheet A4.3.1</b>
Add:	Add sheet A4.3.1 included with this Addendum as Attachment 34.
Item No. 31	<b>Sheet A4.4.1</b>
Revise:	Replace the current sheet A4.4.1 with the revised sheet A4.4.1 included with this Addendum as Attachments 35. Refer to clouded notes and related modifications.
<b>ELECTRICAL</b>	
Item No. 32	<b>Sheets E1.1.3 and E1.1.4</b>
Replace:	Replace the current sheets E1.1.3 and E1.1.4 with the revised sheets E1.1.3 and E1.1.4 included with this Addendum as Attachments 36 and 37, respectively.
Clarify:	The single-pole switches in the lab just north of the 1st floor building entry (Instrument Room 1402) shall be replaced with three-way switches (one for the normal lighting circuit and one for the emergency lighting circuit). Additionally, new three-way switches shall be added at the new entry door being added into this space.
Clarify:	Also in Instrument Room 1402, the surface mounted raceway on each side of the wall shall be shortened with new end caps placed on the ends to permit the installation of the new door. END OF ADDENDUM NO. 6

# GENERAL RESPONSES TO QUESTIONS REGARDING CONTAINMENT SYSTEMS

The following questions were received from plan holders regarding the containment systems specified at Section 02 8500 – Mold Remediation and Environmental Controls. General informational answers are provided below. Refer to Addendum No. 6 for clarification of the documents:

- Q1. Are digital particle counts acceptable for determining readiness for inspections, timing filter changes, or complying with monitoring requirements of the Specification?
- A1. This is a means and method item, refer to Specifications.
- Q2. What quantity of demolished material is anticipated to be considered mold contaminated?
- A2. All gypsum wallboard shown on the drawings to be demolished, within the containments, shall be assumed to contain mold.
- Q3. How often will filter changes be required at HEPA equipment?
- A3. This is a means and method item. Change filters as needed based on visual inspection of filter loading, pressure drop and/or methods recommended by the manufacturer.
- Q4: Please clarify requirements for supplemental emergency power? Can equipment be wired directly to panels? What is the maximum time required for start-up of Contractor's emergency power?
- A4: Refer to Specifications for supplemental emergency power requirements. Contractor may use power receptacles where capacity is available based on loads of equipment or Contractor may wire directly to electrical panels. Contractor shall describe anticipated connections at submittals for review by project Engineer. Upon loss of power, no work will be permitted inside each contained work area until electrical power to the building has been restored and contained work areas are properly pressurized. Weekly inspections will be conducted to maintain the integrity and pressurization of each containment until the repair work has been completed inside each work area. All dust generating activities must cease and containments closed/sealed until electrical service to the building has been restored.
- Q5. Does the requirement for repeated cleaning at paragraph 3.12 apply after the final visual inspection for mold remediation (3.07.B)?
- A5: This only applies to the mold remediation activities in order for the contractor to meet the requirements of the post remediation inspections and evaluation. Similarly, Paragraph 3.13 Post Remediation Assessments only applies to the post remediation evaluation for the mold clean-up activities.

Q6: Is there a thickness requirement for "Correx board" at temporary partitions? A6: Fire retardant Correx board must be thick enough to withstand the pressurization of the containment.

- Q7: Can plastic (poly) sheeting be used for the protection of the ceiling required at 3.09.12?
- Q7: Requirements of the use of polyethylene sheeting must meet the requirements of the Specification.
- Q8: What is procedure for removing casework where required for installation of containment partitions:
- A8: Containment must be completed and pressurized to the extent possible before any additional casework can be removed in order to complete the containment.
- Q9: Is there a requirement or restriction regarding anchorage of temporary partitions to existing surfaces?
- A8: Prefabricated systems/panels are acceptable as long as they can withstand the pressurization of the containment system. Fastening of the containment system to the floor and wall is permitted as long as all

# GENERAL CONTAINMENT QUESTIONS

fasteners are removed at the end of the project and repairs are made to any damaged floors, walls or ceilings. Sheet vinyl flooring or fabric wall covering shall not be penetrated unless replaced in kind to extent approved by Owner and Architect prior to installation of partitions. Contractor shall describe the extent and methods to be implemented at submittals. Architect may request mock-up of techniques prior to implementation.

- Q9: Is there a monitoring requirement for the pressurization systems? Is access available to the building after hours?
- A9: This is a means and method item. Access to each containment must be sealed at the end of each work day to prevent dust from escaping the work area in the event that a power failure occurs. Contractor shall coordinate with Capitol Police personnel for access to monitor or maintain equipment after hours.
- Q10: Should floors be protected?
- A10: All surfaces and existing finishes shall be protected during construction and returned to their original condition if disturbed.

Q11: Will "Test and Balance" be provided by others?

A11: Yes, test and balance will be provided by Owner in conjunction with the work of this Contract.

Q12: Is the buffer room partition required to extend to the deck?

A12: The buffer room may be provided with a protected ceiling enclosure at the lay-in ceiling level.

# PROPOSAL FORM SECTION 00 4200

UNIT PRICES: (Write the amounts of the Unit Prices in words and numbers. The written word will govern.)

1. Air Barrier Replacement: Removal of brick masonry veneer and installation of insulated metal wall panel system including glass-matt gypsum sheathing, weather barrier and framing as indicated on the Drawings.

\_per square foot

2. Slab edge seal repair: Install slab edge seal system at floor slab-edge to glazed aluminum curtain wall interface including removal and reinstallation of spandrel glazing, as indicated on the Drawings.

\_per each lineal foot

3. Demolition and Replacement of Gypsum Wall Board: Additional removal and replacement of mold affected gypsum wall board. Demolish materials under the requirements of Section 02 8500 and install new material to match existing. Tape, float sand, and paint. Remove and reinstall wall mounted accessories, wall base, ceiling grid, etc. as required to provide complete installation.

\_per square foot

# **PART 3 - ALTERNATE SUPPLEMENT**

# 3.01 **DESCRIPTION OF ALTERNATES**

A. Alternate Number One.

Provide repairs at the sill-to-concrete-walk joint and fist floor slab-edge-to-curtainwall seal at Aluminum Curtain Wall Window Types "C" and "D," beyond the limit of such work included in the base bid, to the extent indicated at Sheets A0.4.1 and A0.4.2. Include all associated containment and testing. Repair affected interior finishes to match original conditions.

B. Alternate Number Two.

Provide repairs at the third and fourth slab-edge-to-curtain-wall seal at Aluminum Curtain Wall Window Types "A" and "B," beyond the limit of such work included in the base bid, to the extent indicated at Sheets A0.4.1 and A0.4.2. Include all associated containment and testing. Repair affected interior finishes to match original conditions.

C. Alternate Number Three.

Provide repairs at roof coping-to-curtain-wall seal at Aluminum Curtain Wall Window Types "A" and "B," beyond the limit of such work included in the base bid, to the extent indicated at Sheets A0.4.1 and A0.4.2. Include all associated containment and testing. Repair affected interior finishes to match original conditions.

D. Alternate Number Four.

Provide all Contractor assisted investigations as indicated at Partial Existing West Elevation 2/A0.2.2, Partial West Elevation 2/A0.2.4 and Aluminum Curtain Wall Window Type "J," as indicated at Sheet A0.4.1.

E. Alternate Number Five.

Provide repairs at the third and fourth slab-edge-to-curtain seal at Aluminum Curtain Wall Window Type "J," as indicated at Sheets A0.4.1 and A0.4.3. Include all associated containment and testing. Repair affected interior finishes to match original conditions. Cost for removal of glazing and replacement of aluminum curtain wall system components which are indicated to be provided for inspection openings shall be included at Alternate Number Four.

# PART 4 – CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS SUPPLEMENT

- 4.01 **FIELD OFFICE -** See Part 6 of this section.
- 4.02 **UTILITIES -** Agreement to be established with the Using Agency.
- 4.03 **PROJECT SIGN -** Location to be determined.

# **SECTION 07 9190**

# JOINT SEALANTS (modified by Addendum No. 6)

#### PART 1 GENERAL

# 1.01 SUMMARY

- A. Section includes renovation of existing and installation of new sealant joint assemblies:
  - 1. Removal of existing perimeter sealant joints at glazed aluminum curtain wall systems and preparation for installation of prefabricated perimeter seals set in sealant.
  - 2. Sealants required for the complete installation and termination of fluid-applied air barrier and flexible flashing systems.
  - 3. Removal and replacement of existing sealant joints in brick masonry.
  - 4. Removal and replacement of sealant joints associated with parapet coping and roofing systems.
  - 5. Installation of sealant joints associated with insulated core metal panel systems.
  - 6. Removal and replacement of silicone structural glazing sealant.
  - 6. Joints between dissimilar materials and miscellaneous open joints.
  - 7. Related cleaning, priming, joint backing, tooling, and testing.
  - 8. Interior sealants and joint backing.
- B. Work to be coordinated and supervised under the requirements of Section 04 0100 Envelope Restoration Specialty Contractor.
- C. Provide access for Architect to review field samples and work in progress.

# 1.02 RELATED WORK

- A. Carefully examine all of the Contract Documents for requirements which may affect the work of this section.
- B. Other specification sections which directly relate to the work of this section include, but are not limited to the following:
  - 1. Section 01 8000 Part 8 Contractor Qualifications Submittal
  - 2. Section 04 0100 Envelope Restoration Specialty Contractor
  - 3. Section 04 2500 Brick Masonry
  - 4. Section 06 1000 Rough Carpentry
  - 5. Section 06 1600 Sheathing
  - 6. Section 07 1413 Hot Fluid-Applied Rubberized Asphalt Waterproofing
  - 7. Section 07 2726 Fluid-Applied Membrane Air Barriers
  - 8. Section 07 4213 Insulated Core Metal Wall Panels
  - 9. Section 07 6000 Sheet Metal Flashing and Trim
  - 10.Section 07 6500 Flexible Flashing
  - 11.Section 07 8400 Fire Stopping
  - 12.Section 08 4413 Glazed Aluminum Curtain Walls
  - 13.Section 08 8000 Glazing
  - 14.Section 092116 Gypsum Board Assemblies
  - 15.Section 09 5100 Suspended Acoustical Ceilings
  - 16.Section 09 9100 Paints and Coatings.
  - 17.Section 09 9516 Resilient Flooring.

18.Section 12 3553 – Metal Laboratory Casework

# 1.03 REFERENCES

A. Reference Standards: In addition to the contract document Drawings and Specifications, the most current editions of the following documents, or applicable portions thereof, shall also govern the Work:

1. American Society for Testing and Materials (ASTM):

- a. ASTM C510 Standard Test Method for Staining and Color Change of Single and Multicomponent Joint Sealants
- ASTM C639 Standard Test Method for Rheological (Flow) Properties of Elastomeric Sealants
- c. ASTM C661 Standard Test Method for Indentation Hardness of Elastomeric Type Sealants by Means of a Durometer.
- d. ASTM C679 Standard Test Method for Tack-Free Time of Elastomeric Sealants
- e. ASTM C719 Standard Test Method for Adhesion and Cohesion of Elastomeric Joint Sealants Under Cyclic Movement (Hockman Cycle)
- f. ASTM C794 Standard Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants
- g. ASTM C834 Standard Specification for Latex Sealants
- h. ASTM C919 Standard Practice for Use of Sealants in Acoustical Applications
- i. ASTM C920 Elastomeric Joint Sealants
- j. ASTM C1135 Standard Test Method for Determining Tensile Adhesion Properties of Structural Sealants
- k. ASTM C1193 Standard Guide for Use of Joint Sealants
- I. ASTM C1248 Standard Test Method for Staining Porous Substrate by Joint Sealants
- m. ASTM C1330 Cylindrical Sealant Backing for Use with Cold Liquid Applied Sealants
- n. ASTM D412 Standard Test Method for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers Tension
- o. ASTM D624 Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers
- p. ASTM D2202 Standard Test Method for Slump of Sealants
- q. ASTM D2240 Rubber Property Durometer Hardness
- r. ASTM E119 (UL 263) Standard Test Method for Fire Tests of Building Construction and Materials

# 1.04 SUBMITTALS

- A. See Section 01 3323 Shop Drawings, Product Data, and Samples, for submittal procedures.
- B. Specialty Subcontractor Qualifications: to be submitted under the requirements of Section 01 8000 Part 8 Contractor Qualifications Submittal:
  - 1. Submit under Section 04 0100 Envelope Restoration Specialty Contractor.
- C. Provide the following:
  - 1. Product data for specified sealants, preformed silicone seals, primers, joint backing, cleaning solvents, and other accessories. Include material safety data sheets (MSDS) and certifications showing compliance with specified standards.
  - 2. Product data showing the compatibility of products specified with each other as recommended by the manufacturer.
  - 3. Manufacturer's sealant color chart for selections by Architect.

# JOINT SEALANTS

- 4. Manufacturer's instructions for joint preparation and sealant installation.
- 5. Letter from sealant manufacturer stating that the specified sealants will not stain the specific substrates to which they will be applied.
- 6. Copy of warranties for review by Architect.

# 1.05 QUALITY ASSURANCE

- A. Qualifications: See Section 01 8000 Part 8 Contractor Qualifications Submittal.
  - 1. All work under this section shall be performed by under the oversight of the envelope restoration specialty contractor (ERSC) under the requirements of Section 04 0100 Envelope Restoration Masonry Contractor using workers experienced in the work of this section as identified therein.
  - 2. Contactor shall have primary experience in performing the work specified in this section and shall have successfully completed envelope restoration projects of similar scope as qualified by referenced standards above.
    - a. Contractor shall confirm that all workers understand the job's requirements. Mechanics shall be fully supervised to ensure that the work is accomplished to meet or exceed the highest standards of the trades. The air barrier installer shall provide one crew of mechanics for the duration of the project. Substitutions and additions of work force shall be permitted with consent only and if there is no adverse effect on quality or performance of work.
    - b. In acceptance or rejection of the work of this specification, no allowances shall be made for lack of skill on the part of the mechanics.
  - 3. Installer qualifications: 5 years successful experience repairing and installing joint sealants and acceptable to sealant manufacturer for installing their products.
  - 4. During construction period, each type of sealant and related primer and backing shall be products provided by a single manufacturer.

# 1.06 PRE-INSTALLATION MEETING

- A. Envelope restoration on-site comprehensive preinstallation meetings: The application and integration of work specified herein shall be coordinated at the on-site pre-installation meetings specified at Section 04 0100. A pre-installation meeting shall be convened prior to the start of work at the following areas:
  - 1. Masonry demolition at south stair: Prior to start of demolition at the aluminum curtain wall to masonry transition at the south stair.
  - 2. First floor curtainwall perimeter: Prior to start of demolition at the first aluminum curtain wall along the south and east facades.
  - 3. Masonry demolition at east return: Prior to start of demolition at the aluminum curtain wall to masonry transition at the north termination of the curtain wall system on the east facade.
  - 4. Architectural precast concrete (APC) demolition at east entry: Prior to start of demolition of APC at east entry.

# 1.07 MOCK-UPS AND FIELD SAMPLES

- A. See Section 01 3323 Shop Drawings, Product Data, and Samples, for mock-up procedures.
- B. Refer to comprehensive mock-up requirements at Section 04 0100. Refer to associated sections for additional mock-up requirements.
- C. Prior to commencing the sealant work, the General Contractor shall provide for the Architect's review and approval field sample mock-ups of each type of sealant joint required for the project.
  - 1. Sealant joints at Envelope Restoration Work Areas:

- a. Typical sealant joints: Install one joint of each typical condition for review and approval.
- b. Install field samples as directed by Architect to demonstrate tie-in of sealant systems at adjoining assemblies.
- c. Install field samples as directed by Architect for demonstration of aesthetic effects
- D. Upon approval of repair techniques and mock-ups by the Architect, completed field sample mock-ups shall be documented and protected for reference throughout the work. Approved field samples shall serve as a standard for the work.
- E. Perform all mock-ups at locations designated by the Architect. All mock-ups shall be used to confirm replacement sealant configurations, continuity of sealant joints, and the acceptable appearance of the finished joints.

# 1.08 PRE-INSTALLATION ADHESION TEST

- A. Prior to application of sealants, test each application condition to ensure sealant satisfactorily adheres to substrate.
- B. Conduct test in field or by submission of representative substrate sample to manufacturer for factory test.
  - 1. Apply sealant to sample substrate and perform hand-pull tab test in accordance with ASTM C1193, Method A.
  - 2. Determine if primer is required by sealant manufacturer. If so, use primer for sealant to be tested in accordance with manufacturer's recommendations.
  - 3. Submit report to Architect with description of test, results, and recommended installation procedures to obtain proper adhesion.

# 1.09 PRODUCT HANDLING

- A. Deliver products in manufacturer original containers clearly labeled with product identification, date of manufacture, and shelf life.
- B. Store materials in clean, dry area at temperatures below 86 degrees F.
- C. Do not use sealants and primers after manufacturer stated shelf life.

# 1.10 PROJECT CONDITIONS

- A. Do not install sealants and preformed seals during inclement weather or when such conditions are expected. Allow wet surfaces to dry.
- B. Optimum sealant application temperature: Between 50 and 95 degrees F.
- C. Do not install sealants and preformed seals when the substrate temperature is:
  - 1. 5 degrees F below dew point.
  - 2. Above 110 degrees Fahrenheit .
- D. Protect all building surfaces during sealant removal and installation. Repair damage to substrates to Architect's satisfaction at no additional cost to Owner.
- E. Note that skylight framing is not suitable to support additional loading.
- F. Provide suitable access for Contractor to remove and install sealant, and for Architect to review field samples and work in progress.

# 1.11 WARRANTY

- A. See Section 01700 Contract Closeout.
- B. Provide under provisions of the following:
  - 1. Installer: Three (3) year workmanship warranty.

2. Manufacturer: Twenty (20) year minimum material warranty for properly installed products.

# PART 2 PRODUCTS

# 2.01 MANUFACTURERS

- A. Building Sealants:
  - 1. The Dow Chemical Company: www.dow.com
  - 2. Pecora Corporation: www.pecora.com
  - 3. Tremco, Inc: tremcosealants.com
- B. Substitutions: See Section 01 6000 Substitutions and Product Options.

# 2.02 SILICONE BUILDING SEALANTS FOR GENERAL EXTERIOR APPLICATION

- A. Basis of Design: DOWSIL 790, ultra-low-modulus, one-part, neutral-cure, non-staining sealant.
- B. Type: ASTM C920, Type S, Grade NS, Class 100/50, Use T, NT, G, M, A, O
- C. Joint size limitations:
  - 1. Width: 1/4 to 1 inch
  - 2. Depth: 1/8 to 3/8 inch.
- D. Color: Color to be selected by the Architect from manufacturer's full range.
- E. Volatile organic compound (VOC) content: 23 grams/liter maximum.
- F. Cured sealant properties after 21 days:
  - 1. Joint movement capability: Plus and minus +100/-50 percent, tested in accordance with ASTM C719.
  - 2. Hardness: 15-durometer hardness, Shore A, tested in accordance with ASTM C661.
  - 3. Ultimate tension adhesion: 15 psi at 25%, 20 psi at 50%, tested in accordance with ASTM C1135.
  - 4. Minimum peel strength: 25 psi, tested in accordance with ASTM C794.
  - 5. Staining: None, tested in accordance with ASTM C1248.

# 2.03 GLAZING SEALANT

- A. Basis of Design: DOWSIL 795, non-staining, neutral one part silicone sealant.
- B. Type:
  - 1. ASTM C920, Type S, Grade NS, Class 50, Use NT, G, A, O
  - 2. ASTM C1184 for structural silicone sealants
- C. Joint size limitations:
  - 1. Match existing sealant profile for structural bite (minimum ¼ inch) and glue line thickness (minimum ¼ inch). Refer to engineering requirements for glazing systems at Sections 08 4413 and 08 8000.
- D. Color: Color to match existing, to be selected by Architect from manufacturer's standard.
- E. Volatile organic compound (VOC) content: 30 grams/liter maximum.
- F. Cured sealant properties after 21 days:
  - 1. Joint movement capability: Plus and minus 50 percent, tested in accordance with ASTM C719.
  - 2. Hardness: 35-durometer hardness, Shore A, tested in accordance with ASTM D2240.
  - 3. Ultimate tension adhesion: 35 psi at 25% extension, 50 psi at 50% extension, tested in accordance with ASTM C1135.
  - 4. Minimum peel strength: 32 psi, tested in accordance with ASTM C794.

5. Staining: None, tested in accordance with ASTM C1248.

# 2.04 SILICONE SEALANT FOR CONCEALED APPLICATION TO LOW ENERGY MATERIALS

- A. Basis of Design: DOWSIL 758, non-staining, neutral one part silicone sealant designed for adhering to low energy surfaces common to peel and stick weather resistant barriers.
- B. Type: ASTM C920, Type S, Grade NS, Class 25, Use NT, G, A, O
- C. Joint size limitations:
  - 1. Width: 1/4 to 1 inch
  - 2. Depth: 1/8 to 3/8 inch.
- D. Color: manufacturer's standard color (not intended for exposed-to-view application).
- E. Volatile organic compound (VOC) content: 22.2 grams/liter maximum.
- F. Cured sealant properties after 21 days:
  - 1. Joint movement capability: Plus and minus 25 percent, tested in accordance with ASTM C719.
  - 2. Hardness: 30-durometer hardness, Type A, tested in accordance with ASTM C661.
  - 3. Ultimate tensile: 200 psi, tested in accordance with ASTM D412.
  - 4. Minimum peel strength: ppi tested in accordance with ASTM C794.

minimum poor ou origin. ppr tootoa in accordanot	/ /////////////////////////////////////
a) Unprimed to HDPE	> 20
<ul> <li>b) Unprimed to Anodized Aluminum</li> </ul>	> 40
c) Unprimed to Vinyl	> 40
d) Unprimed to Powder Coated Aluminum	> 40
e) Unprimed to Kynar Coated Aluminum	> 40
f) Primed to Concrete	> 20

# 2.05 PAVING JOINT SEALANTS

- A. Basis of Design: DOWSIL 890-SL, Silicone, single component, self-leveling, silicone paving sealant.
- B. Type: ASTM D5893, Type SL.
- C. Joint size limitations:
  - 1. Width: 1/4 to 1 inch
  - 2. Depth: per manufacturer's recommended installation based on width.
- D. Color: To be selected by the Architect from manufacturer's full range of standard colors.
- I. Volatile organic compound (VOC) content: 50 grams/liter maximum.
- J. Cured sealant properties after 21 days:
  - 1. Joint movement capability: ASTM C 719, 100/50, 10 cycles, no failure.
  - 2. Elongation: ASTM D412, 1400 percent, minimum.
  - 3. Hardness: ASTM C 661, 40 durometer Shore 00, minimum.
  - 4. Staining: None, tested in accordance with ASTM C1248.

# 2.06 INTERIOR SILICONE BUILDING SEALANT

- A. Basis of Design: OmniPlus Mildew-Resistant Silicone Sealant by BASF Construction Chemicals-Building Systems
- B. Type: Single component, neutral curing, non-sagging, non-staining, fungus resistant, nonbleeding.
- C. Compliance: Sealant shall meet or exceed the requirements of these standards:
  1. ASTM C920, Grade NS, Class 25 minimum, Uses NT, A, G, M, O;
- D. Joint Size Limitations:

#### JOINT SEALANTS

- 1. Width: 1/4 to 1 inch
- 2. Depth: 1/4 to 1/2 inch
- E. Color: To be selected from manufacturer's full range.

# 2.07 INTERIOR ACRYLIC EMULSION LATEX SEALANT

- A. Basis of Design: Sonolac by BASF Construction Chemicals-Building Systems
- B. Type: Siliconized Acrylic Latex Caulk
- C. Compliance: Sealant shall meet or exceed the requirements of these standards:
  1. ASTM C834, Type I and OP, Grade NF single component, paintable.
- D. Joint Size Limitations:
  - 1. Width: 1/4 to 1 inch
  - 2. Depth: 1/4 to 1/2 inch
- E. Color: As selected by Architect from manufacturer's custom colors.

# 2.08 INTERIOR ACOUSTICAL SEALANT

- A. Basis of Design: Butyl or acrylic sealant, use for concealed locations only.
- B. Type: Single component, solvent release curing, non-skinning, non-hardening, paintable and nonstaining for use in conjunction with gypsum board.
- C. Compliance: Sealant shall meet or exceed the requirements of these standards:
  - 1. ASTM C920, Grade NS, Class 12-1/2, Uses M, A

# 2.09 ACCESSORIES

- A. Cleaning solvents: As recommended by sealant manufacturer to be compatible with sealant and not adversely affect substrate.
- B. Cleaning cloths: Clean, soft, absorbent, lint-free cloths.
- C. Substrate primer: Provide non-staining primer recommended by sealant manufacturer to suit the particular applications required in this project. Shelf life: 6 to 12 months.
- D. Expansive Material:
  - 1. At locations indicated on Drawings:
    - a. W.R. Meadows, Inc.; Product: Deck-O-Foam: www.wrmeadows.com
    - b. Size: 1/2"x6" As required to fill void below sealant joint.
- E. Sealant backing: Provide backing complying with ASTM C13 as recommended by sealant manufacturer.
  - 1. Size: Greater than joint opening by 25 percent minimum.
  - 2. Preformed Compressible Foam Sealers:
    - a. BASF Construction Chemicals-Building Systems; Product: Sonolastic Closed-Cell Backer Rod: www.chemrex.com.
    - b. EMSEAL Joint Systems, Ltd: Product: Backerseal (Greyflex): www.emseal.com.
    - c. Sandell Manufacturing Company, Inc.: Product: Standard Backer Rod: www.sandellmfg.com.
    - d. Substitutions: See Section 01630 Substitutions and Product Options (BoB).
- F. Bond breaker tape: Provide tape to prevent adhesion to joint fillers or joint surfaces at back of joint and allow sealant movement.
  - 1. Type: Polyethylene or other plastic tape recommended by sealant manufacturer.
- G. Masking tape: Non-staining, non-absorbent type compatible with silicone sealant and adjacent surfaces.

# PART 3 EXECUTION

#### 3.01 INSPECTION

- A. Inspect existing joints to be renovated. Verify:
  - 1. Joint substrates and adjoining materials are structurally sound.
  - 2. Joints to be renovated can be satisfactorily repaired with specified methods and materials.
- B. Report to Architect any condition that cannot be corrected as part of the specified renovation. Do not proceed until outstanding issues are resolved.

#### 3.02 GENERAL

- A. Renovate sealant joints in accordance with manufacturer's instructions.
- B. Handle, store, and apply materials in compliance with applicable Environmental Protection Agency (EPA), Occupational Safety and Health Administration (OSHA), volatile organic compound (VOC), and other regulations and manufacturer material safety data sheets (MSDSs).
- C. Use sealants only in applications recommended by manufacturer.
- D. Do not apply in totally confined spaces without ventilation for curing.

#### 3.03 REMOVAL OF EXISTING SEALANT

- A. Remove existing joint sealants and backing as required to install new sealant and as shown in the Drawings.
- B. Remove existing sealant and all residue completely, taking care to not damage adjacent substrate.
- C. Clean joint with power or hand wire brush or solvent cleaning, as appropriate for the substrate, to depth at which replacement backing and sealant are to be installed.
- D. Blow out dust, loose particles, and debris with moisture and oil-free compressed air. Remove any pieces of sealant and backer rod lodged in joint.
- E. Protect substrates from damage during sealant removal. Replace existing materials damaged during sealant removal with new material matching the original.

# 3.04 INSTALLATION OF NEW SEALANT

- A. Inspect substrates to receive replacement sealant. Ensure surfaces are clean, dry, and free of frost, dust, and dirt.
- B. Repair deteriorated or damaged substrates as recommended by sealant manufacturer to provide suitable substrate for sealant. Allow patching materials to cure.
- C. Primer: Apply primer to substrates in accordance with manufacturer's recommendations and proper installation procedures.
- D. Masking: Apply masking tape as required to protect adjacent surfaces and to ensure straight bead line and facilitate cleaning.
- E. Sealant backing: Install without gaps, twisting, stretching, or puncturing backing material. Use gage to ensure uniform depth to achieve correct profile, coverage, and performance.
- F. Bond breaker: Install on backside of joint where backing is not feasible.
- G. Sealant:
  - 1. Use sealant-dispensing equipment to push sealant bead into opening. Fill joint opening to full and proper configuration. Apply in continuous operation. Ensure sealant fills entire joint and firmly contacts all surfaces.

- Tooling: Before skinning or curing begins, tool sealant with metal spatula. Provide concave, smooth, uniform, sealant finish. Eliminate air pockets and ensure complete contact on both sides of joint opening. Tool joints with one continuous stroke.
   a. Use of wetting agents during tooling is not allowed unless approved by the sealant manufacturer in writing.
- H. Cleaning: Remove masking tape and excess sealant.

# 3.05 FIELD QUALITY CONTROL

- A. Perform adhesion tests for exterior silicone sealant joints and preformed silicone seal in accordance with manufacturer instructions and ASTM C1193, Method A, Field-Applied Sealant Joint Hand-Pull Tab.
  - 1. Perform one test per 15 linear feet of applied silicone sealant at other locations.
  - 2. For sealants applied between dissimilar materials, test both sides of joint.
- B. Sealants failing adhesion test shall be removed, substrates cleaned, seals re-installed, and retesting performed. Sealant in joint that failed testing should be removed for the entire length of the joint until adhesion results meet manufacturer's requirements.
- C. Maintain test log and submit report to Architect indicating tests, locations, dates, results, and remedial actions.

# 3.06 PROTECTION

A. Protect installed sealant from subsequent work operations.

# 3.07 SEALANT SCHEDULE

- A. Exterior general use (Sealing of perimeter of aluminum and painted steel frames, aluminum and prefinished metal components): DOWSIL 790
- B. Exterior brick masonry to metal flashing: DOWSIL 790
- C. Exterior brick masonry expansion Joints: DOWSIL 790
- D. Exterior stucco expansion Joints: DOWSIL 790
- E. Exterior Aluminum Curtainwall Perimeter: Preformed engineered system set in Silicone (see Section 08 4413)
- F. Exterior Gyp Sheathing: As recommended by Fluid-Applied Membrane Air Barrier manufacturer (see Section 07 2726)
- G. Concealed seals at low energy materials such as self-adhered flashings: DOWSIL 758
- H. Silicone glazing sealant: DOWSIL 795
- I. Pre-compressed expansive foam sealant at masonry cavity closure: Emseal Backerseal
- J. Exterior Concrete Paving / Expansion Joints (Sidewalks): Self-leveling silicone joint sealant DOWSIL 890-SL.
- K. Interior building sealant at dry locations: Sonolac Acrylic Latex Caulk, by BASF.
- L. Interior building sealant at wet locations (plumbing fixtures, etc): Sonolastic OmniPlus, silicone sealant, by BASF. Colors as selected by Architect.
- M. Interior acoustical sealant (sealant bead between top stud runner and structure and between bottom stud track and floor: Butyl or acrylic sealant. Non-hardening, non-drying, non-bleeding, non-staining, permanently flexible water or rubber base sealant.
- N. Interior sealing around windows, doors, gypsum board assemblies and other locations to be painted where joints are less than 1/8 inch with none to slight movement anticipated: Acrylic Latex Caulking Compound ASTM C834

# END OF SECTION

# **SECTION 08 1200**

# **DOORS & FRAMES** (modified by Addendum No. 6)

#### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. High Pressure Decorative Laminate Doors
- B. Aluminum Door Frames.

#### 1.02 RELATED SECTIONS

A. Section 08 7100 – Door Hardware.

#### 1.03 REFRENCES

- A. <u>AAMA 1503-98</u> Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections.
- B. ASTM-B209 Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
- C. <u>ASTM-B221</u> Standard Specification for Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
- D. <u>ASTM-E84</u> Standard Test Method for Surface Burning Characteristics of Building Materials.
- E. ANSI A208.1 Particleboard.
- F. ASTM E 90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
- G. ASTM E 413 Classification for Rating Sound Insulation.
- H. AWI/AWMAC/WI Architectural Woodwork Standards, Edition 1, Section 9 Doors.
- I. NFPA 80 Standard for Fire Doors and Other Opening Protectives.
- J. UL 10C Positive Pressure Fire Tests of Door Assemblies.
- K. WDMA Finish System TR-6, Catalyzed Polyurethane.
- L. WDMA I.S. 1A-11 Architectural Wood Flush Doors.

#### 1.04 SUBMITTALS

- A. Must comply with Division 1 Submittal Procedures.
- B. Action Submittals/ Informational Submittals.
  - 1. Product Data.
    - a. Submit manufacturer's product data sheets, catalog pages illustrating the products, description of materials, components, fabrication, finishes, installation instructions, and applicable test reports.
  - 2. Shop Drawings.
    - a. Submit manufacturer's shop drawings, including elevations, sections, and details indicating dimensions, tolerances, materials, fabrication, doors, panels, framing, hardware schedule, and finish.
  - 3. Samples.
    - a. Submit manufacturer's door sample composed of door face sheet, core, framing and finish.
    - b. Submit manufacturer's sample of standard colors for door face and frame.
  - 4. Testing and Evaluation Reports.
    - a. Submit testing reports and evaluations provided by manufacturer conducted by and accredited independent testing agency certifying doors and frames comply with specified performance requirements listed.
  - 5. Manufacturer Reports.
    - a. Manufacturer's Certification- Submit manufacturer's certification that doors comply with specified requirements and are suitable for intended application.
  - 6. Operation and Maintenance Manual.
    - a. Submit manufacturer's maintenance and cleaning instructions for doors and frames, including maintenance and operating instructions for hardware.

- 7. Warranty Documentation.
  - a. Submit manufacturer's standard warranty.

# 1.05 QUALITY ASSURANCE

- A. Manufacturer's Qualifications.
  - 1. Continuously engaged in manufacturing of doors and/ or frames of similar type to that specified, with a minimum of 10 years concurrent successful experience.
- B. Tolerances for Warp, Telegraphing, Squareness, and Prefitting Dimensions: WDMA I.S.1-A.
  - 1. Identifying Label: Each door shall bear identifying label indicating:
  - 2. Door manufacturer.
  - 3. Order number.
  - 4. Door number.
  - 5. Fire rating, if applicable.

# 1.06 DELIVERY, STORAGE, AND HANDLING

- A. Delivery.
  - 1. Deliver materials to site in manufacturer's original, unopened, containers and packaging.
  - 2. Labels clearly identifying opening, door mark, and manufacturer.
- B. Storage.
  - 1. Store materials in a clean, dry area, indoors in accordance with manufacturer's instructions.
  - 2. Do not subject doors to extreme conditions or changes in temperature or relative humidity in accordance with WDMA I.S.1-A.
- C. Handling.
  - 1. Protect materials and finish from damage during handling and installation.

# 1.07 WARRANTY

- A. Warrant doors, frames, and factory installed hardware against failure in materials and workmanship, including excessive deflection, faulty operation, defects in hardware installation, and deterioration of finish or construction in excess of normal weathering.
- B. Standard Period.
  - 1. Ten years starting on date of shipment.
- C. Limited lifetime
  - 1. Covers failure of corner joinery, core deterioration, and delamination or bubbling of door skin and corrosion of facing products while the door is in its specified application in its original installation.

# D. Finish

1. Anodized, aluminum:10 years.

# **PART 2 PRODUCTS**

# 2.1 ALUMINUM FRAMES

- 1. Manufacturer
  - 1. Special-Lite, Inc.
    - 1. PO Box 6, Decatur, Michigan 49045.
    - 2. Toll Free (800) 821-6531, Phone (269) 423-7068, Fax (800) 423-7610.
    - 3. Web Site www.special-lite.com.
    - 4. E-Mail info@special-lite.com.
- 2. Framing
  - 1. Aluminum Tube Framing with Applied Stops.
    - 1. Size and Type: New frame members shall match the existing frames in size and finish
  - 2. Materials.
    - 1. Aluminum alloy 6063-T5, 0.125-inch minimum wall thickness.

- Aluminum extrusions made 6061 or 6063 aluminum alloys. 2.
- 3. Sheet and plate to conform to ASTM-B209.
- 4. Alloy and temper to be selected by manufacturer for strength, corrosion resistance. and application of required finish, and control of color.
- Finish 3.
  - 1. Mill.
    - 1. AA-M10C22A21-Flash.
  - 2. Anodizina.
    - 1. Class 1 Anodizing, minimum 0.7 mils thick.
    - Color: Match color of existing aluminum frames 2.
- Perimeter Frame Members. 4.
  - Box type with 4 enclosed sides. 1.
  - Factory fabricated. 2.
  - Open-back framing is not acceptable. 3.
- Applied Door Stops. 5.
  - 5/8" x 1-1/4" or 5/8" x 1-3/4", 0.125" wall thickness, with screws and weather-1. strippina.
  - 2. Provide solid <sup>1</sup>/<sub>2</sub>" aluminum bar behind door stop for closer shoe attachment.
  - 3. Pressure gasketing for weathering seal.
  - 4. Counterpunch fastener holes in door stop to preserve full-metal thickness under fastener head.
- 6. Caulking.
- 1. Caulk joints before assembling frame members. 7.
  - Frame Member to Member Connections.
  - Secure joints with fasteners. 1.
  - Provide hairline butt joint appearance. 2.
- 8. Hardware
  - Pre-machine and reinforce frame members for hardware in accordance with 1. manufacturer's standards and door hardware schedule.
  - 2. Surface mounted closures will be reinforced for but not prepped or installed at factory.
  - Factory install door hardware. 3.
- 9. Anchors:
  - 1. Anchors appropriate for wall conditions to anchor framing to wall materials.
  - Door Jamb and Header Mounting Holes: Maximum of 24-inch centers. 2.
  - Secure head and sill members of transom, side lites, and similar conditions. 3.
- Assembly- Factory assemble frames to the greatest extent possible. 3.
  - Provide frame components from the same manufacturer. 1.
    - Required size for door and frame units shall be as indicated on the drawings and as 2. described in this section.
    - 3. Complete cutting, fitting, forming, drilling, and grinding of metal before assembly.
    - All cut edges to be free of burs. 4.
    - 5. Welding of doors or frames is not acceptable.
    - Maintain continuity of line and accurate relation of planes and angles. 6.
  - Secure attachments and support at mechanical joints with hairline fit at contact surfaces. 7.
- Shop Fabrication 4.
  - 1. All shop fabrication to be completed in accordance with manufactures process work instructions.
  - 2. Quality control to be performed before leaving each department.
- Size: 5.
  - Provide frame to accommodate door 42 inches wide by 96 inches tall, matching the 1 dimensions of the existing doors & frames.
  - Coordinate finished opening size with door manufacturer. Factory pre-fit doors for frame 2. openings dimensions identified on the shop drawings.

# 2.02 HIGH PRESSURE DECORATIVE LAMINATE (HPDL) DOORS

#### A. Manufacturers:

- 1. Basis of Design: VT Industries Inc., Holstein, IA.
- 2. Equal products by other manufacturers
- B. Flush Solid Core HPDL Doors
  - 1. Flush Wood Doors: VT Door Type- 303. WDMA I.S. 1-Quality Grade: Premium, Type PC HPDL-3. Non-bonded core constructions are not acceptable substitutions.
  - 2. HPDL doors shall be faced with high pressure decorative laminate meeting the minimum requirements of NEMA LD3. Faces and vertical edges are to be a minimum thickness of 0.050 inches.

a. Plastic Laminate door facing shall match the color and pattern of the existing doors.

- 3. Laminates shall be applied to the core in a HOT PRESS using Type 1, exterior, waterresistant adhesive. Provide three-ply construction.
- 4. Stiles are to be 1-3/8 inches wide (before pre-fitting), edged with HPDL prior to face laminates.
- 5. Rails shall be structured composite lumber (SCL, minimum 1-3/8inches wide before prefitting.
- 6. Stiles and rails shall be securely glued to the core and the entire assembly sanded flat as a unit to ensure minimal telegraphing of core components through face veneers.
- 7. Provide inner blocking for any surface mounted hardware (closers, exit devices, etc.) for full width of all wood doors, whether fire rated or not. Top and bottom inner blocking shall be 5 inches high and intermediate blocking shall be 10 inches high. Inner blocking shall provide extra strength for surface mounting hardware items (without the use of throughbolts) and UL or ITS-WH approved. Screw-holding capacity of wood inter-blocking shall be a minimum of 750 pounds, as per ASTM D1037, and acceptable to UL.
- 8. Core construction- Provide particle board of 28-32 pounds per cubic foot average density. Comply with particleboard standard ANSI A208.1, Grade 1-LD-2.
- 9. Fabricate door in accordance with AWI Quality Standards.
- 10. Factory machine doors for finish hardware in accordance with the hardware requirements and dimensions. Do not machine for surface mounted hardware. Provide solid blocking for mounting of closers without the use of through-bolts.
- 11. Size:
  - a. Provide door 42 inches wide by 96 inches tall, matching the dimensions of the existing doors.
  - b. Coordinate finished opening size with frame manufacturer. Factory pre-fit doors for frame openings dimensions identified on the shop drawings.
- 12. Provide vision lite matching the size and location of the existing doors.
- 13. Provide manufacturer's glazing frame and accessories for installation of vision lite.
- C. Vision Lites:
  - 1. Provide vision lite matching the size of the lite in the existing, adjacent door.
  - 2. Provide steel vision lite frame style to match existing.
- D. Fabrication:
  - 1. Fabricate doors in accordance with AWI Standards for Premium Grade.
  - 2. Bond edge banding to cores.
  - 3. Factory machine doors for finish hardware in accordance with the hardware requirements and dimensions. Do not machine for surface mounted hardware. Provide solid blocking for mounting of closers without the use of through-bolts.
  - 4. Factory glaze doors containing vision panels.

# PART 3 EXECUTION

# 3.01 EXAMINATION

- A. Examine areas to receive doors and frames.
- B. Notify architect of conditions that would adversely affect installation or subsequent use.
- C. Do no proceed with installation until unsatisfactory conditions are corrected.

#### 3.02 PREPARATION

**DOORS & FRAMES** 

A. Ensure openings to receive frames are plumb, level, square, and within manufacturer's recommended tolerance.

# 3.03 ERECTION

- A. Install doors in accordance with manufacturer's instructions.
- B. Install doors plumb, level, square, true to line, and without warp or rack.
- C. Anchor frames securely in place.
- D. Separate aluminum from other metal surfaces with bituminous coatings or other means approved by architect.
- E. Repair minor damage to finish in accordance with manufacturer's instructions and as approved by architect.
- F. Remove and replace damaged components that cannot be successfully repaired as determined by architect.

# 3.04 FIELD QUALITY CONTROL

- A. Manufacture's Field Services.
  - 1. Manufacturer's representative shall provide technical assistance and guidance for installation of frames and doors.

# 3.05 ADJUSTING

A. Adjust doors, hinges, and locksets for smooth operation without binding.

# 3.06 CLEANING

- A. Clean frames and doors promptly after installation in accordance with manufacturer's instructions.
- B. Do not use harsh cleaning materials or methods that would damage finish.

# 3.07 PROTECTION

A. Protect installed frames and doors to ensure that, except for normal weathering, doors will be without damage or deterioration at time of substantial completion.

# END OF SECTION

# **SECTION 087100**

#### **DOOR HARDWARE** (modified by Addendum No. 6)

#### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

A. Hardware for solid core, flush wood, high pressure decorative laminate doors.

#### **1.02 RELATED REQUIREMENTS**

A. Section 081200 – Doors & Frames.

#### **1.03 REFERENCE STANDARDS**

- A. ADA Standards Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- B. BHMA (CPD) Certified Products Directory; 2016.
- C. BHMA A156.1 American National Standard for Butts and Hinges; 2013.
- D. BHMA A156.2 American National Standard for Bored and Preassembled Locks & Latches; 2011.
- E. BHMA A156.3 American National Standard for Exit Devices; 2014.
- F. BHMA A156.4 American National Standard for Door Controls Closers; 2013.
- G. BHMA A156.5 American National Standard for Cylinders and Input Devices for Locks; 2014.
- H. BHMA A156.6 American National Standard for Architectural Door Trim; 2010.
- I. BHMA A156.7 American National Standard for Template Hinge Dimensions; 2014.
- J. BHMA A156.13 American National Standard for Mortise Locks & Latches Series 1000; 2012.
- K. BHMA A156.15 American National Standard for Release Devices Closer Holder, Electromagnetic and Electromechanical; 2011.
- L. BHMA A156.16 American National Standard for Auxiliary Hardware; 2013.
- M. BHMA A156.18 American National Standard for Materials and Finishes; 2012.
- N. BHMA A156.21 American National Standard for Thresholds; 2014.
- O. BHMA A156.22 American National Standard for Door Gasketing and Edge Seal Systems, Builders Hardware Manufacturers Association; 2012.
- P. BHMA A156.23 American National Standard for Electromagnetic Locks; 2010.
- Q. BHMA A156.30 American National Standard for High Security Cylinders; 2014.
- R. DHI WDHS.3 Recommended Locations for Architectural Hardware for Flush Wood Doors; 1993; also in WDHS-1/WDHS-5 Series, 1996.
- S. ICC A117.1 Accessible and Usable Buildings and Facilities; 2009.
- T. ITS (DIR) Directory of Listed Products; current edition.
- U. NFPA 70 National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- V. NFPA 80 Standard for Fire Doors and Other Opening Protectives; 2016.

- W. NFPA 101 Life Safety Code; 2015.
- X. NFPA 252 Standard Methods of Fire Tests of Door Assemblies; 2012.
- Y. UL (DIR) Online Certifications Directory; current listings at database.ul.com.
- Z. UL 10C Standard for Positive Pressure Fire Tests of Door Assemblies; Current Edition, Including All Revisions.
- AA. UL 437 Standard for Key Locks; Current Edition, Including All Revisions.

# 1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the manufacture, fabrication, and installation of products that door hardware is installed on.
- B. Sequence installation to ensure utility connections are achieved in an orderly and expeditious manner.
- C. Preinstallation Meeting: Convene a preinstallation meeting one week prior to commencing work of this section; attendance is required by affected installers and the following:
  - 1. Architect.
  - 2. Installer's Architectural Hardware Consultant (AHC).
  - 3. Hardware Installer.
  - 4. Owner's Representative.
- D. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.
- E. Convey the Thompson Lab keying requirements to manufacturers.
- F. Keying Requirements Meeting:
  - 1. Schedule meeting at project site prior to Contractor occupancy.
  - 2. Attendance Required:
    - a. Contractor.
    - b. Owner.
    - c. Architect.
  - 3. Agenda:
    - a. Establish keying requirements.
    - b. Verify locksets and locking hardware are functionally correct for project requirements.
    - c. Verify that keying and programming complies with project requirements.
    - d. Establish keying submittal schedule and update requirements.
  - 4. Incorporate "Keying Requirements Meeting" decisions into keying submittal upon review of door hardware keying system including, but not limited to, the following:
    - a. Access control requirements.
    - b. Key control system requirements.
    - c. Schematic diagram of preliminary key system.
    - d. Flow of traffic and extent of security required.
  - 5. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.
  - 6. Deliver established keying requirements to manufacturers.

#### 1.05 SUBMITTALS

- A. See Section 013000 Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project, and includes construction details, material descriptions, finishes, and dimensions and profiles of individual components.
- C. Shop Drawings Door Hardware Schedule: Submit detailed listing that includes each item of hardware to be installed on each door. Use door numbering scheme as included in Contract Documents.
  - 1. Prepared by or under supervision of Architectural Hardware Consultant (AHC).
  - 2. Provide complete description for each door listed.
- D. Samples for Verification:
  - 1. Submit minimum size of 2 by 4 inch for sheet samples, and minimum length of 4 inch for other products.
  - 2. Submit one (1) sample of hinge, latchset, lockset, and closer illustrating style, color, and finish.
  - 3. Full-size samples will be returned to the Contractor.
  - 4. Submit product description with samples.
- E. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
- F. Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.
  - 1. Submit manufacturer's parts lists and templates.
  - 2. Bitting List: List of combinations as furnished.
- G. Keying Schedule:
  - 1. Submit three (3) copies of Keying Schedule in compliance with requirements established during Keying Requirements Meeting unless otherwise indicated, for approval by the Owner.
- H. Warranty: Submit manufacturer's warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
- I. Project Record Documents: Record actual locations of concealed equipment, services, and conduit.
- J. Maintenance Materials and Tools: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 016000 Product Requirements, for additional provisions.
  - See Section 017000 Execution and Closeout Requirements and 017800 Closeout Submittals for additional provisions.
  - 3. Lock Cylinders: Ten for each master keyed group.

#### 1.06 QUALITY ASSURANCE

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

C. Supplier Qualifications: Company with certified Architectural Hardware Consultant (AHC) and Electrified Hardware Consultant (EHC) to assist in work of this section.

# 1.07 DELIVERY, STORAGE, AND HANDLING

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

# 1.08 WARRANTY

- A. See Section 017000 Execution and Closeout Requirements, for additional warranty requirements.
- B. Warranty against defects in material and workmanship for period indicated, from Date of Substantial Completion.
  - 1. Closers: Ten years, minimum.
  - 2. Locksets and Cylinders: five years, minimum.
  - 3. Electromechanical Hardware: Two years, minimum.
  - 4. Other Hardware: Two years, minimum.

# PART 2 PRODUCTS

# 2.01 DESIGN AND PERFORMANCE CRITERIA

- A. Provide individual items of single type, of same model, and by same manufacturer.
- B. Provide door hardware products that comply with the following requirements:
  - 1. Applicable provisions of federal, state, and local codes.
  - 2. Accessibility: ADA Standards and ICC A117.1.
  - 3. Applicable provisions of NFPA 101.
  - 4. Fire-Rated Doors: NFPA 80, listed and labeled by qualified testing agency for fire protection ratings indicated, based on testing at positive pressure in accordance with NFPA 252 or UL 10C.
  - 5. Hardware on Fire-Rated Doors: Listed and classified by UL (DIR), ITS (DIR), or testing firm acceptable to authorities having jurisdiction as suitable for application indicated.
  - 6. Products Requiring Electrical Connection: Listed and classified by UL (DIR) as suitable for the purpose specified.
- C. Lock Function: Provide lock and latch function numbers and descriptions of manufacturer's series. Refer to Door Hardware Schedule.
- D. Fasteners:
  - 1. Provide fasteners of proper type, size, quantity, and finish that comply with commercially recognized standards for proposed applications.
    - a. Aluminum fasteners are not permitted.
    - b. Provide phillips flat-head screws with heads finished to match door surface hardware unless otherwise indicated.
  - 2. Fire-Rated Applications: Comply with NFPA 80.
    - a. Provide wood or machine screws for hinges mortised to doors or frames, strike plates to frames, and closers to doors and frames.

b. Provide steel through bolts for attachment of surface mounted closers, hinges, or exit devices to door panels unless proper door blocking is provided.

#### 2.02 HINGES

- A. Manufacturers:
  - 1. McKinney; an Assa Abloy Group company; www.assaabloydss.com.
  - 2. Bommer Industries, Inc; www.bommer.com.
  - 3. Hager Companies; www.hagerco.com.
  - 4. Stanley, dormakaba Group; www.stanleyhardwarefordoors.com.
  - 5. Substitutions: See Section 016000 Product Requirements.
- B. Hinges: Complying with BHMA A156.1, Grade 1.
  - 1. Butt Hinges: Complying with BHMA A156.1 and BHMA A156.7 for templated hinges.
    - a. Provide hinge width required to clear surrounding trim.
  - 2. Provide hinges on every swinging door.
  - 3. Provide five-knuckle full mortise butt hinges unless otherwise indicated.
  - 4. Provide ball-bearing hinges at each door with closer.
  - 5. Provide non-removable pins on interior outswinging doors at locations as indicated.
  - 6. Provide power transfer hinges where electrified hardware is mounted in door leaf.
  - 7. Provide following quantity of butt hinges for each door:
    - a. Doors From 60 inches High up to 90 inches High: Three hinges.
    - b. Doors 90 inches High up to 120 inches High: Four hinges.

# 2.03 LOCK CYLINDERS

- A. Manufacturers:
  - 1. Best Access, a DormaKaba company
  - 2. Substitutions: No substitutions.
- B. Lock Cylinders: Provide key access on outside of each lock, unless otherwise indicated.
  - 1. Provide Best Peaks, small format, high security mechanical type cylinders, Grade 1, with seven-pin core in compliance with BHMA A156.30 or UL 437 at locations indicated.
  - 2. Provide cylinders from same manufacturer as required by Owner to match existing building standard.
  - 3. Provide cams and/or tailpieces as required for locking devices.

# 2.04 MORTISE LOCKS

- A. Manufacturers:
  - 1. Corbin Russwin, Sargent, or Yale; an Assa Abloy Group company; www.assaabloydss.com.
  - 2. Substitutions: See Section 016000 Product Requirements.
- B. Mortise Locks: Complying with BHMA A156.13, Grade 1, Security, 1000 Series.
  - 1. Latchbolt Throw: 3/4 inch, minimum.
  - 2. Deadbolt Throw: 1 inch, minimum.
  - 3. Backset: 2-3/4 inch unless otherwise indicated.
  - 4. Strikes: Provide manufacturer's standard strike for each latchset or lockset with strike box and curved lip extending to protect frame in compliance with indicated requirements.

a. Finish: To match lock or latch.

#### 2.05 CLOSERS

- A. Manufacturers; Surface Mounted:
  - 1. Corbin Russwin, Norton, Rixson, Sargent, or Yale; an Assa Abloy Group company; www.assaabloydss.com/.
- B. Closers: Complying with BHMA A156.4, Grade 1.
  - 1. Type: Surface mounted to door.
  - 2. Provide door closer on each door.

#### 2.06 PROTECTION PLATES

- A. Protection Plates: Complying with BHMA A156.6.
- B. Edges: Beveled, on four sides unless otherwise indicated.
- C. Fasteners: Countersunk screw fasteners.

# 2.07 KICK PLATES

- A. Manufacturers; Surface Mounted:
  - 1. Rockwood; an Assa Abloy Group company; www.assaabloydss.com/.
- B. Kick Plates: Provide along bottom edge of push side of every door with closer, except aluminum storefront and glass entry doors, unless otherwise indicated.
  - 1. Size: 10 inch high by 2 inch less door width (LDW) on push side of door.

# 2.08 WALL BUMPER

- A. Manufacturers; Surface Mounted:
  - 1. Rockwood; an Assa Abloy Group company; www.assaabloydss.com.
- b. Wall Stops: Complying with BHMA A156.16, Grade 1 and Resilient Material Retention Test as described in this standard.
  - 1. Type: Bumper, concave, wall stop.
  - 2. Material: Aluminum housing with rubber insert.

# 2.09 SILENCERS

- A. Manufacturers; Surface Mounted:
  - 1. Rockwood; an Assa Abloy Group company; www.assaabloydss.com.
- B. Silencers: Provide at equal locations on door frame to mute sound of door's impact upon closing.
  - 1. Single Door: Provide three on strike jamb of frame.
  - 2. Pair of Doors: Provide two on head of frame, one for each door at latch side.
  - 3. Material: Rubber, gray color.

#### 2.10 FINISHES

A. Finishes: Provide door hardware of same finish, unless otherwise indicated.

# DOORS HARDWARE

- 1. Finish: 626; satin chromium plated over nickel, with brass or bronze base material (former US equivalent US26D); BHMA A156.18.
- 2. Exceptions:
  - a. Where base material metal is specified to be different, provide finish that is an equivalent appearance in accordance with BHMA A156.18.
  - b. Door Closer Covers and Arms: Color as selected by Architect from manufacturer's standard colors unless otherwise indicated.

# PART 3 EXECUTION

# 3.01 EXAMINATION

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

# 3.02 INSTALLATION

- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
- B. Use templates provided by hardware item manufacturer.
- C. Door Hardware Mounting Heights: Distance from finished floor to center line of hardware item. As indicated in following list; unless noted otherwise in Door Hardware Schedule or on drawings.
  - 1. For Wood Doors: Install in compliance with DHI WDHS.3 recommendations.
  - 2. Mounting heights in compliance with ADA Standards:
    - a. Locksets: 40-5/16 inch.
    - b. Push Plates/Pull Bars: 42 inch.
    - c. Deadlocks (Deadbolts): 48 inch.
    - d. Exit Devices: 40-5/16 inch.

# 3.03 FIELD QUALITY CONTROL

A. Perform field inspection and testing under provisions of Section 014000 - Contract Quality Control.

# 3.04 ADJUSTING

- A. Adjust work under provisions of Section 017000 Contract Closeout.
- B. Adjust hardware for smooth operation.
- C. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.

# 3.05 CLEANING

- A. Clean finished hardware in accordance with manufacturer's written instructions after final adjustments have been made.
- B. Clean adjacent surfaces soiled by hardware installation.

# DOORS HARDWARE

C. Replace items that cannot be cleaned to manufacturer's level of finish quality at no additional cost.

#### 3.06 PROTECTION

- A. Protect finished Work under provisions of Section 017000 Execution and Closeout Requirements.
- B. Do not permit adjacent work to damage hardware or finish.

#### 3.08 HARDWARE SETS

- A. The hardware sets listed below represent the design intent and directions of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware, and missing items should be brought to the attention of the architect with corrections made prior to the bidding process.
- B. All Door hardware shall utilize tamper proof attachments.
- C. The supplier is responsible for handing and sizing all products as listed in the door hardware sets. Quantities listed are for each pair of doors, or for each single door.
- D. Products listed in the Door Hardware Sets are to be provided under and meet the requirements described in the specification sections noted.
  - 1. Section 087100 Door Hardware.

#### HARDWARE SETS

# Manufacturer Legend:

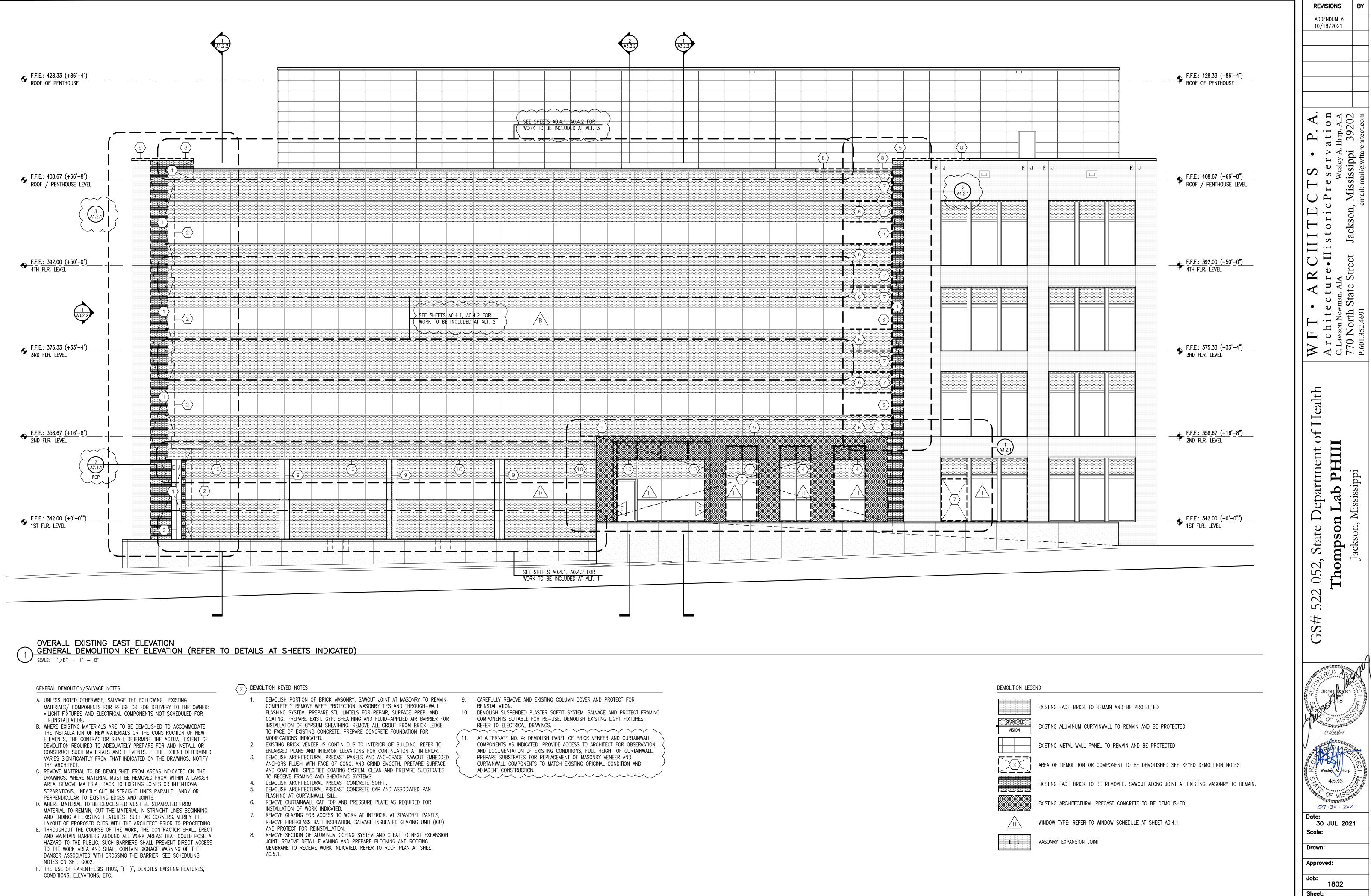
MK:	McKinney	MC:	Medeco	SC:	Schlage
MR:	Markar	RO:	Rockwood	ST:	Stanley
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SU:	Securitron	PE:	Pemko	TR:	Trimco

#### SET 1.0 : SGL - FROM PREP SPACE #1401 TO INSTRUMENT ROOM #1402

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1 Wall Bumper	1270схср	626	TR
1 Kick Plate	K1050 10" X 2" LDW 4BE CSK	630	TR
1 Surface Closer	D4550 EDA	689	ST
1 Cylinder	As required - match building standard	26	BE
1 Office Lock	45H-7A14J PATD	630	BE
4 Hinges	FBB179 4 ½ X 4 ½ NRP	US26D	ST

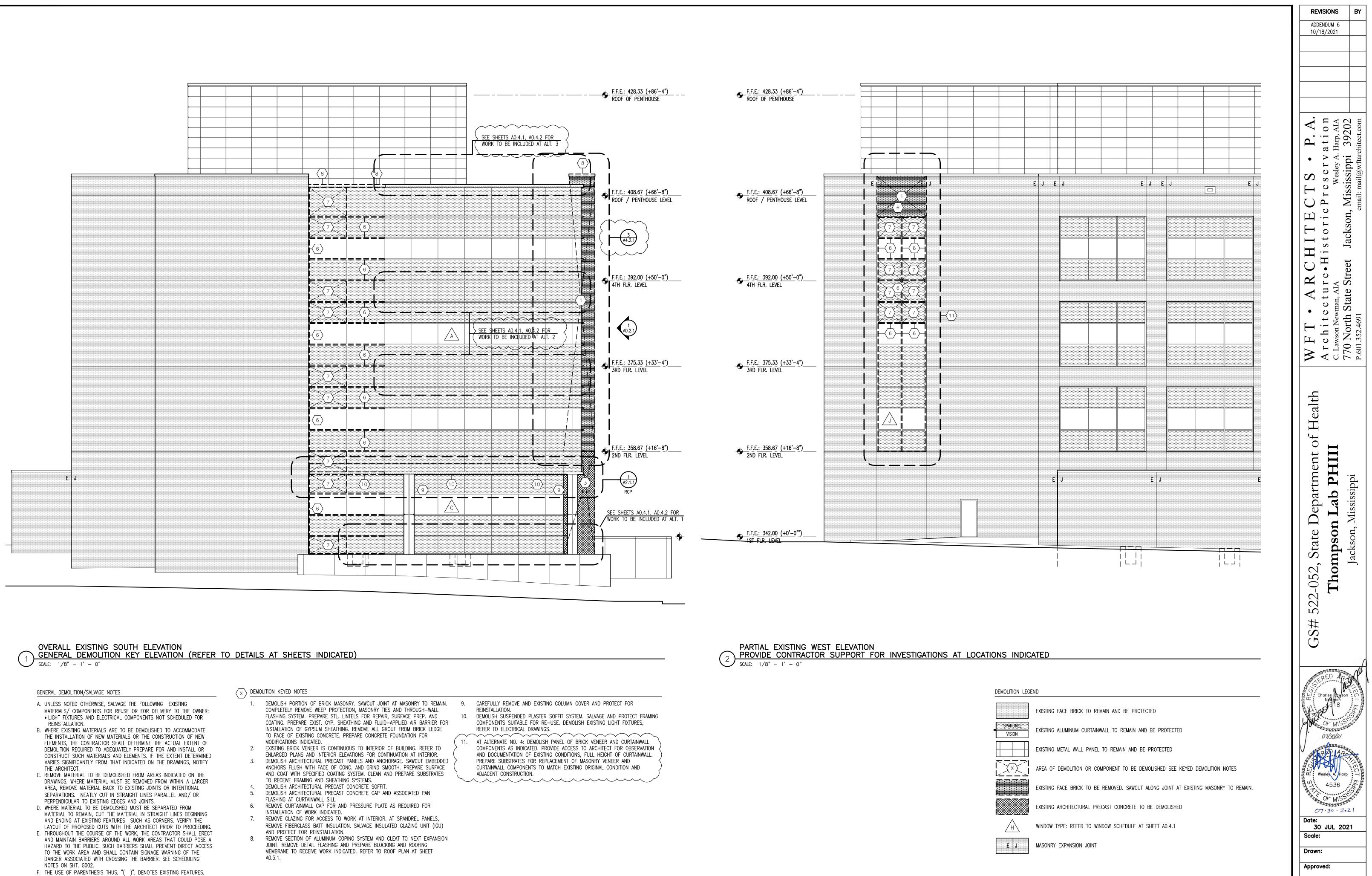
**DOORS HARDWARE** 

# ADDENDUM NO. 6, ATTACHMENT NO. 6



# ADDENDUM NO. 6 -**ATTACHMENT 7**

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# ADDENDUM NO. 6 -**ATTACHMENT 8**

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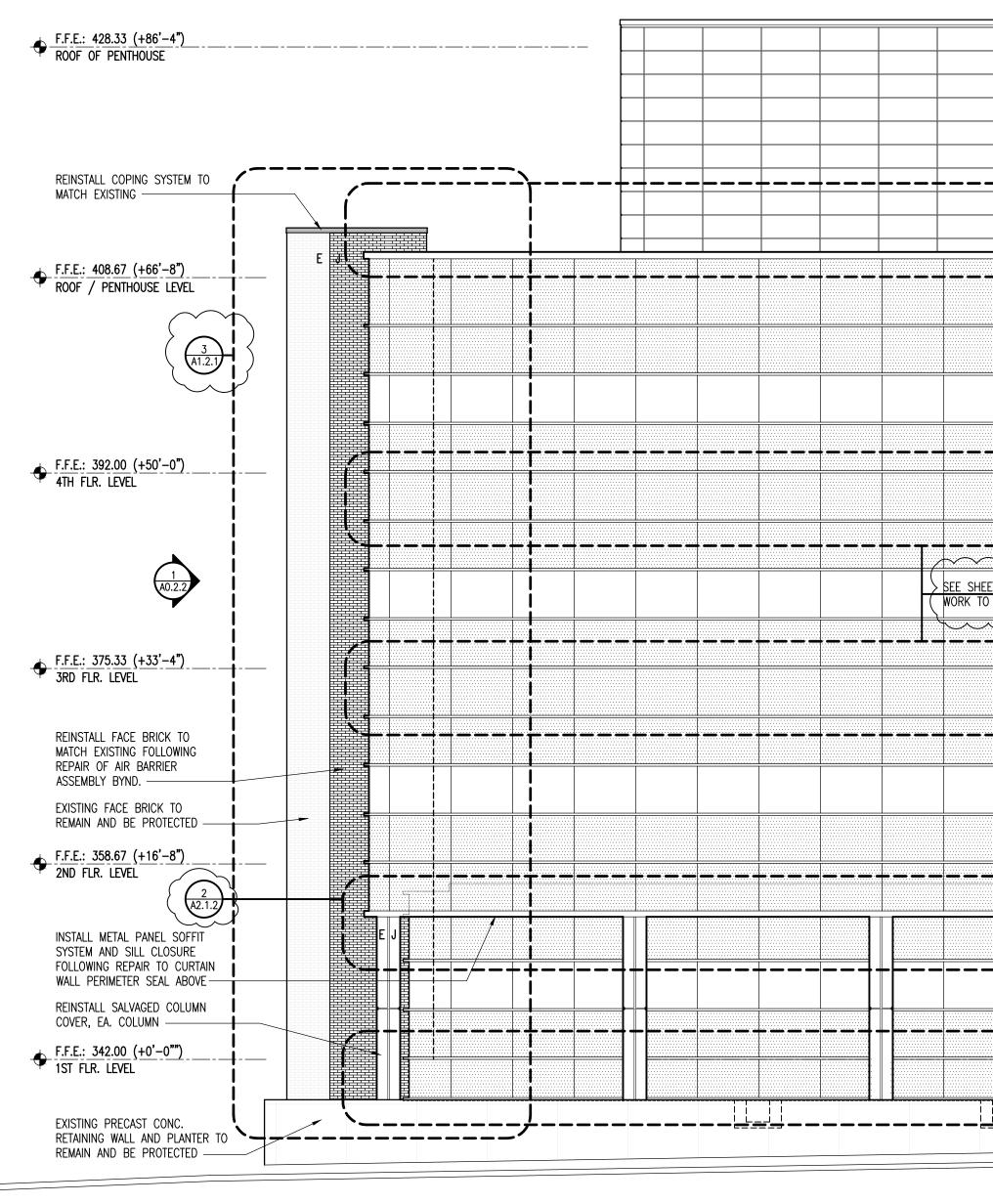
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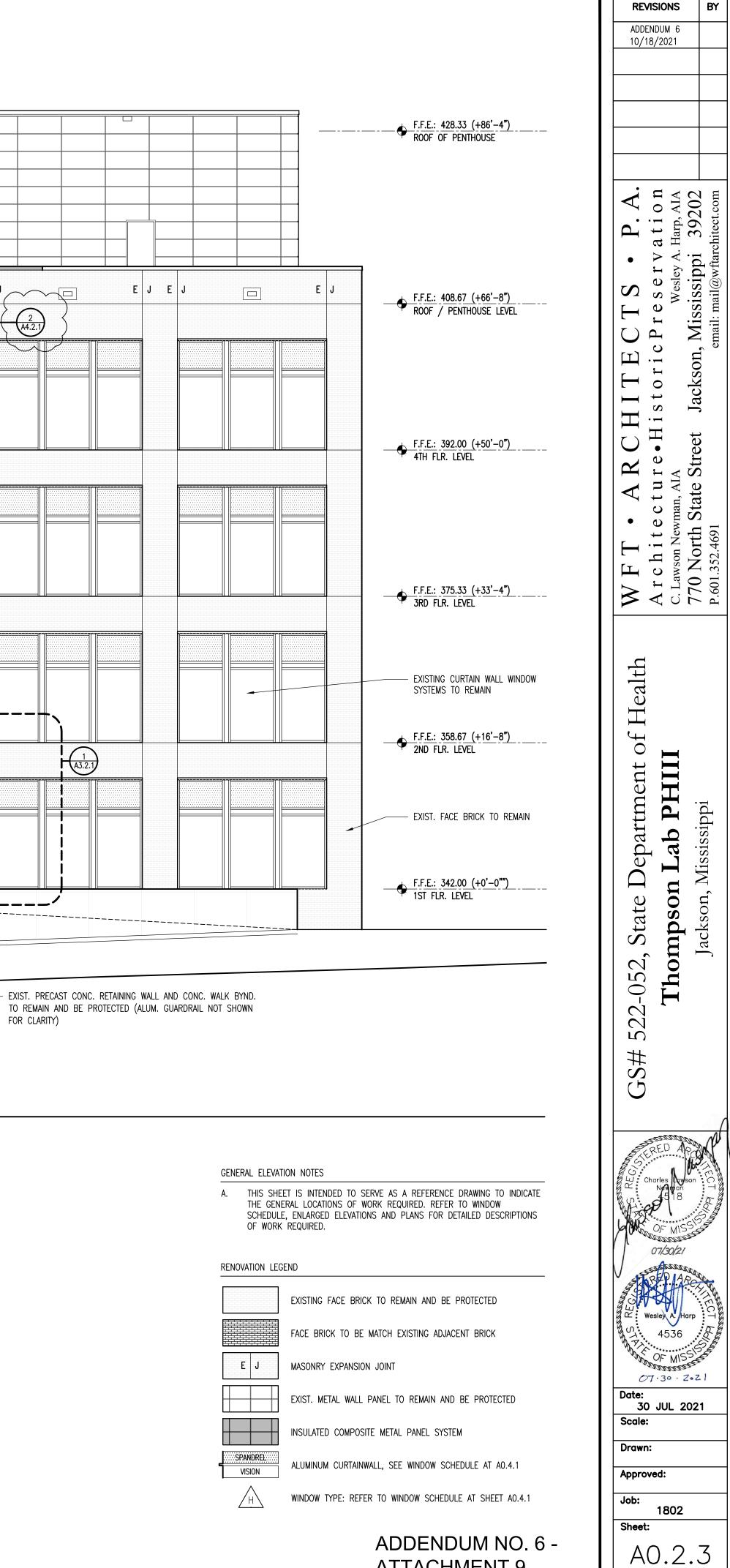
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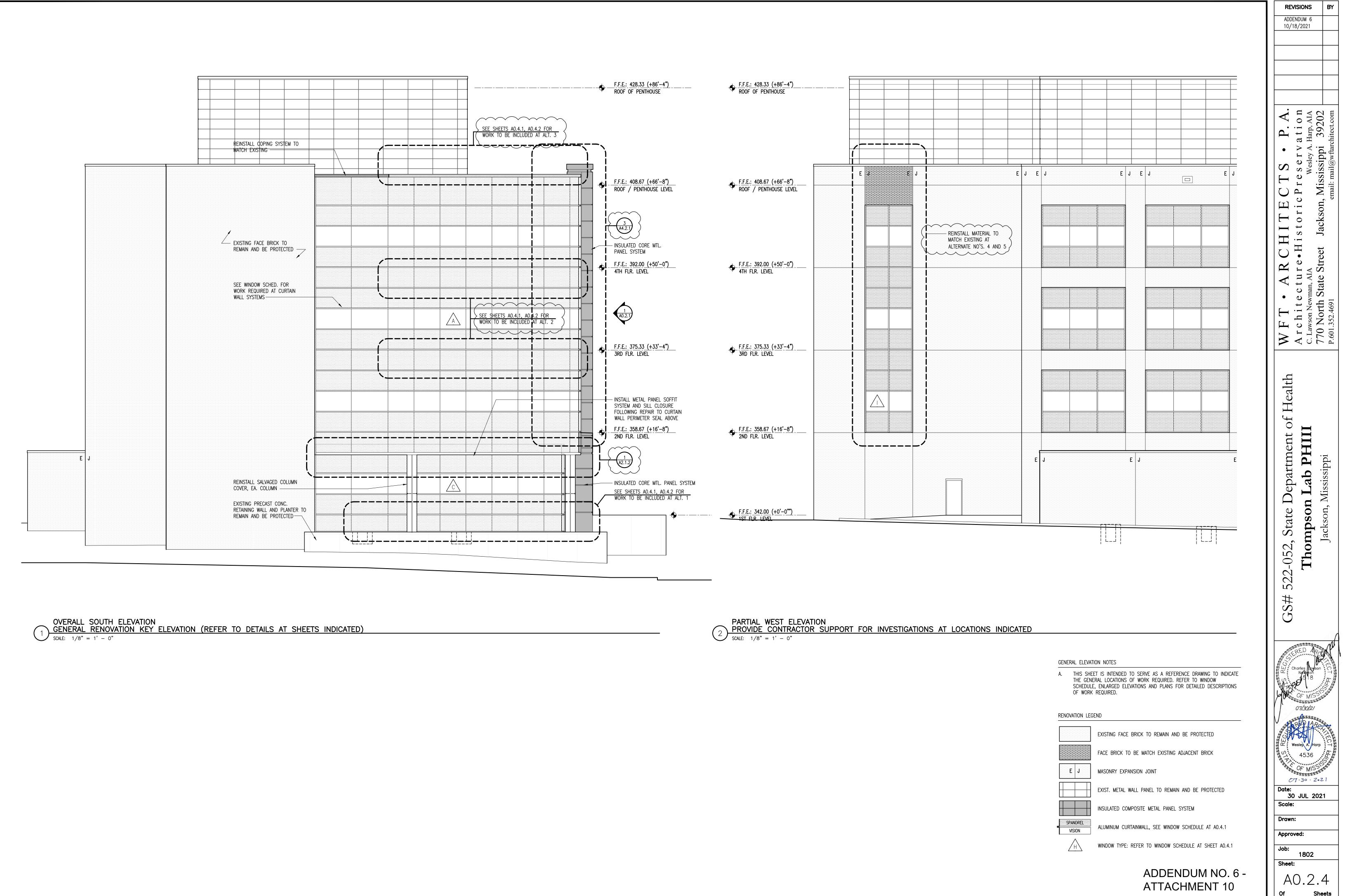
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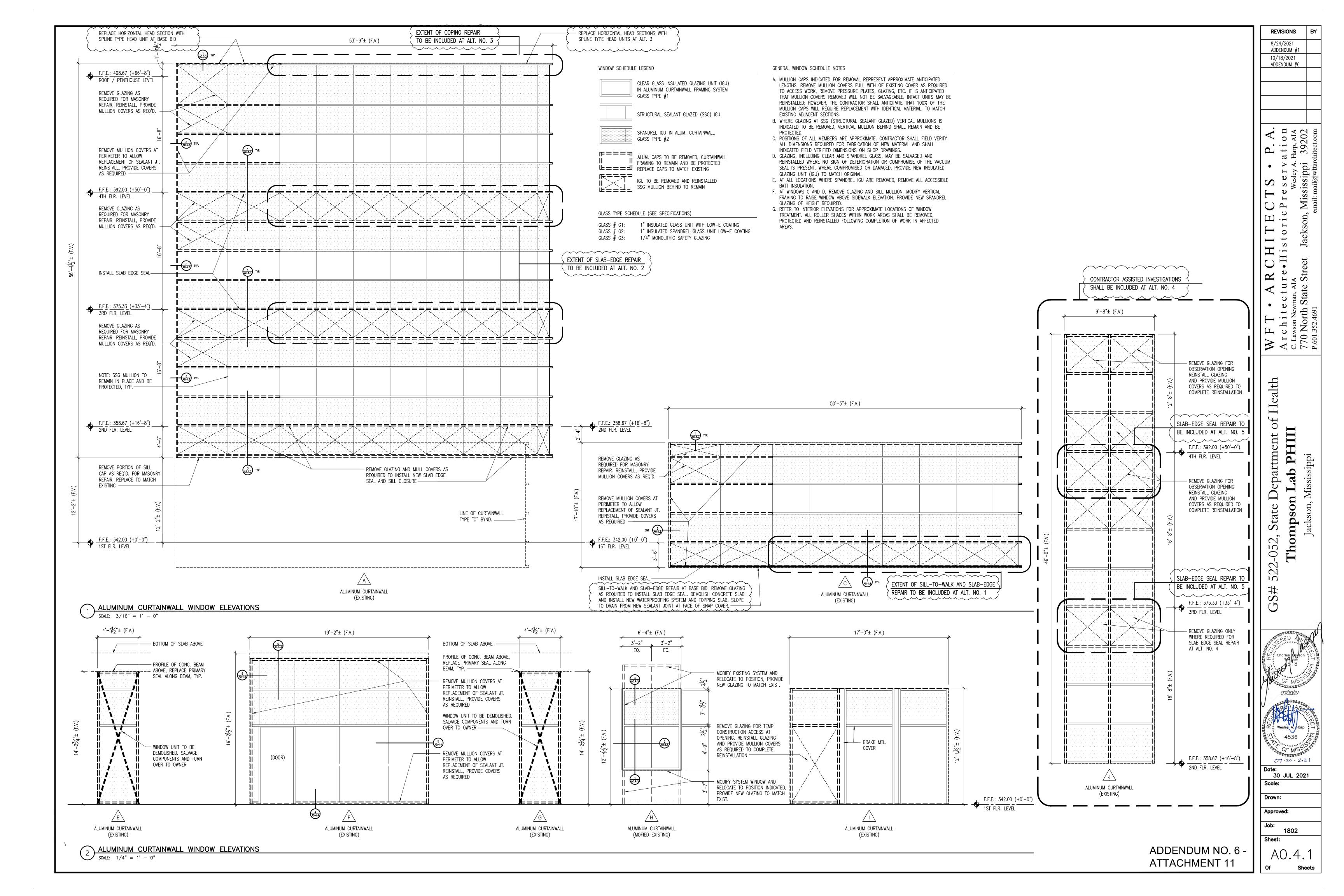
ATTACHMENT 9

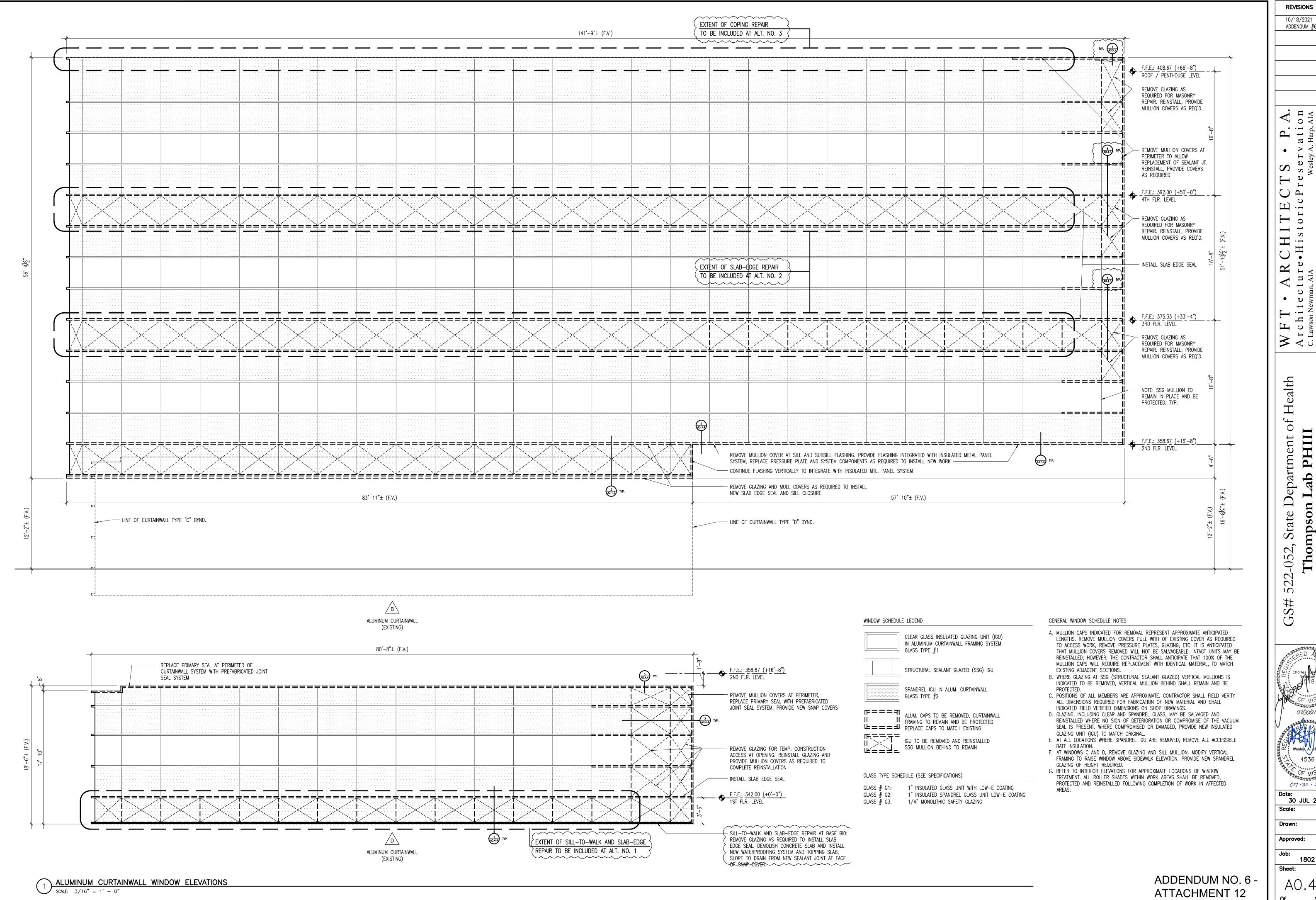
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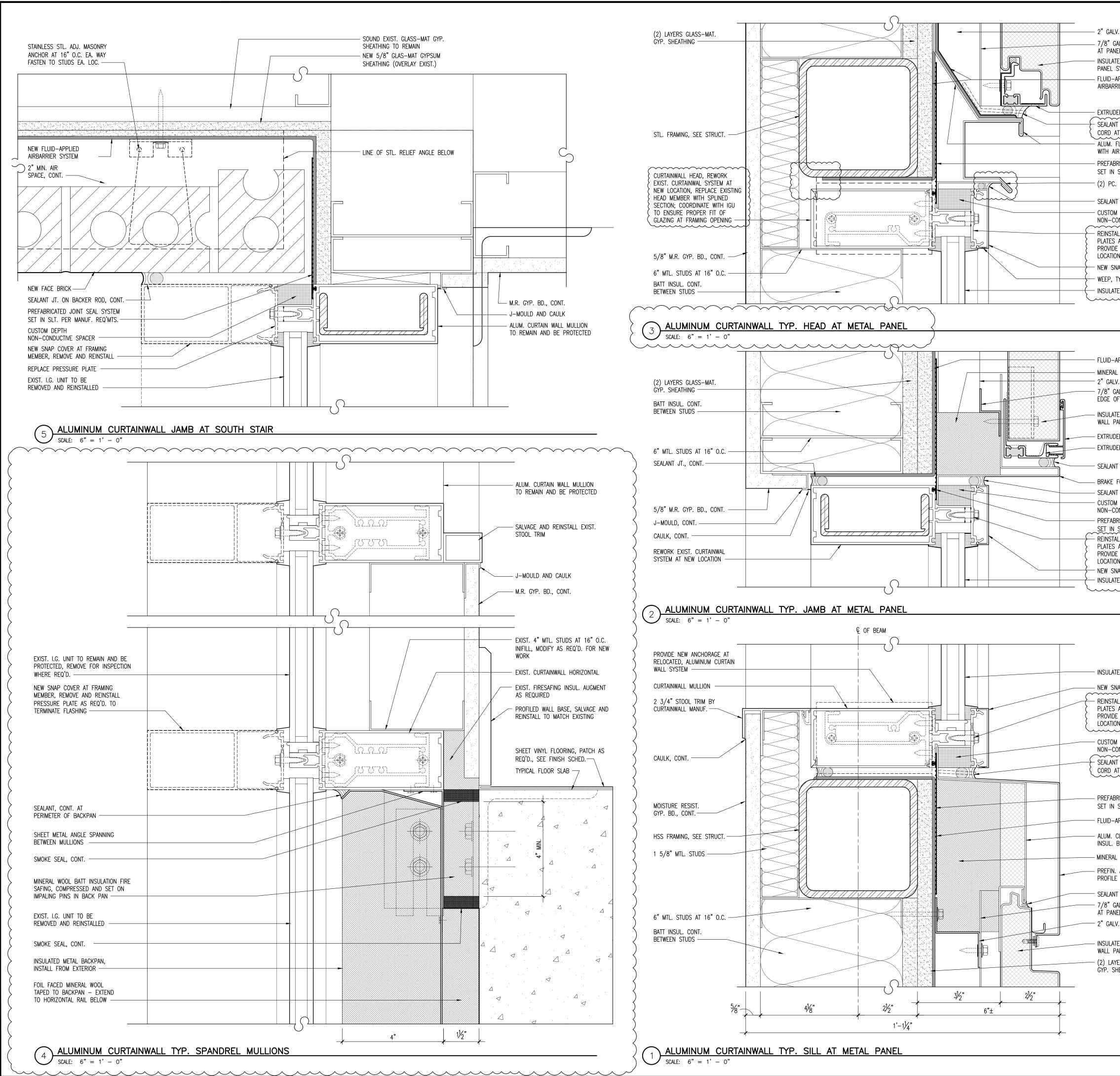


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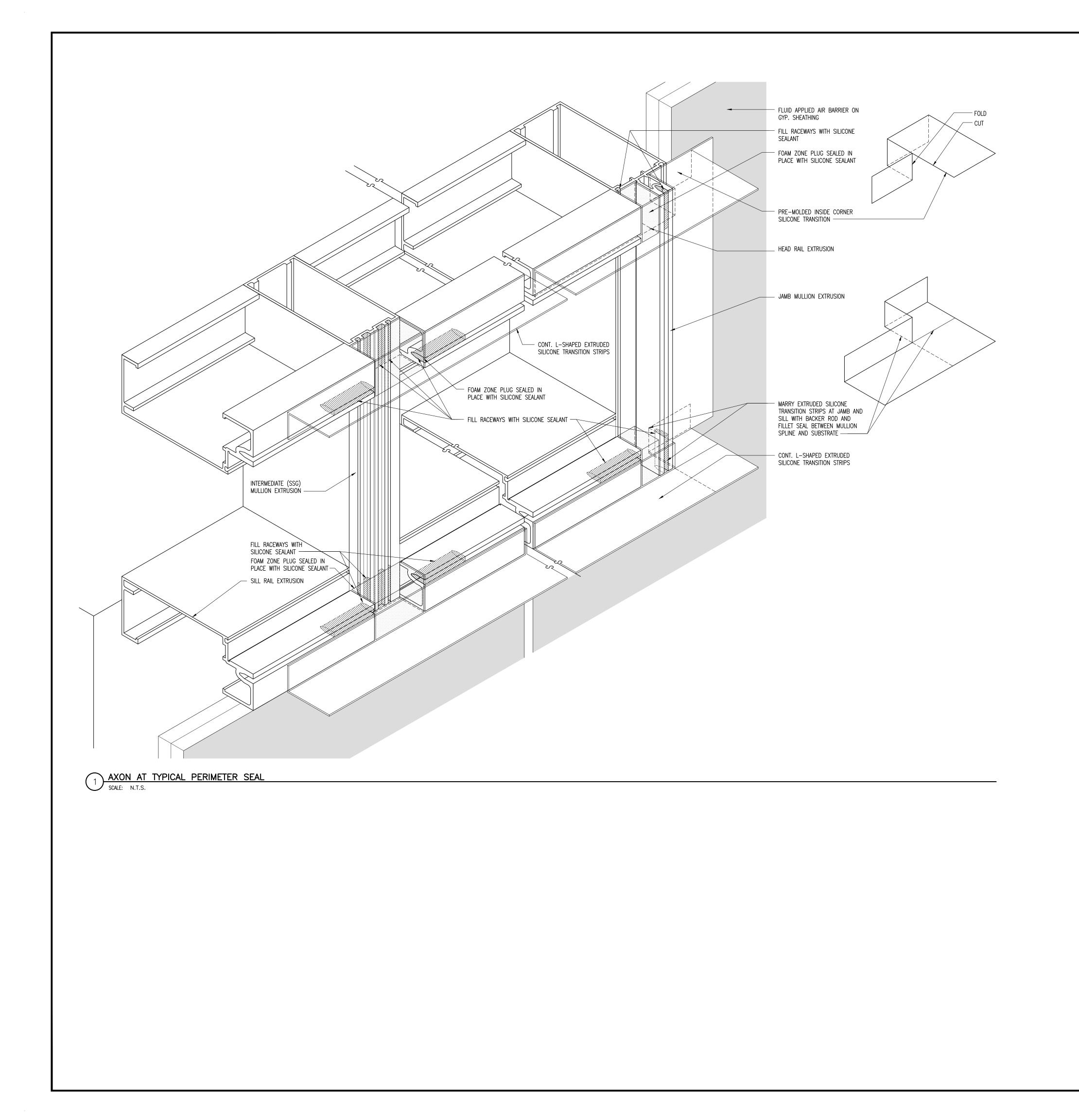




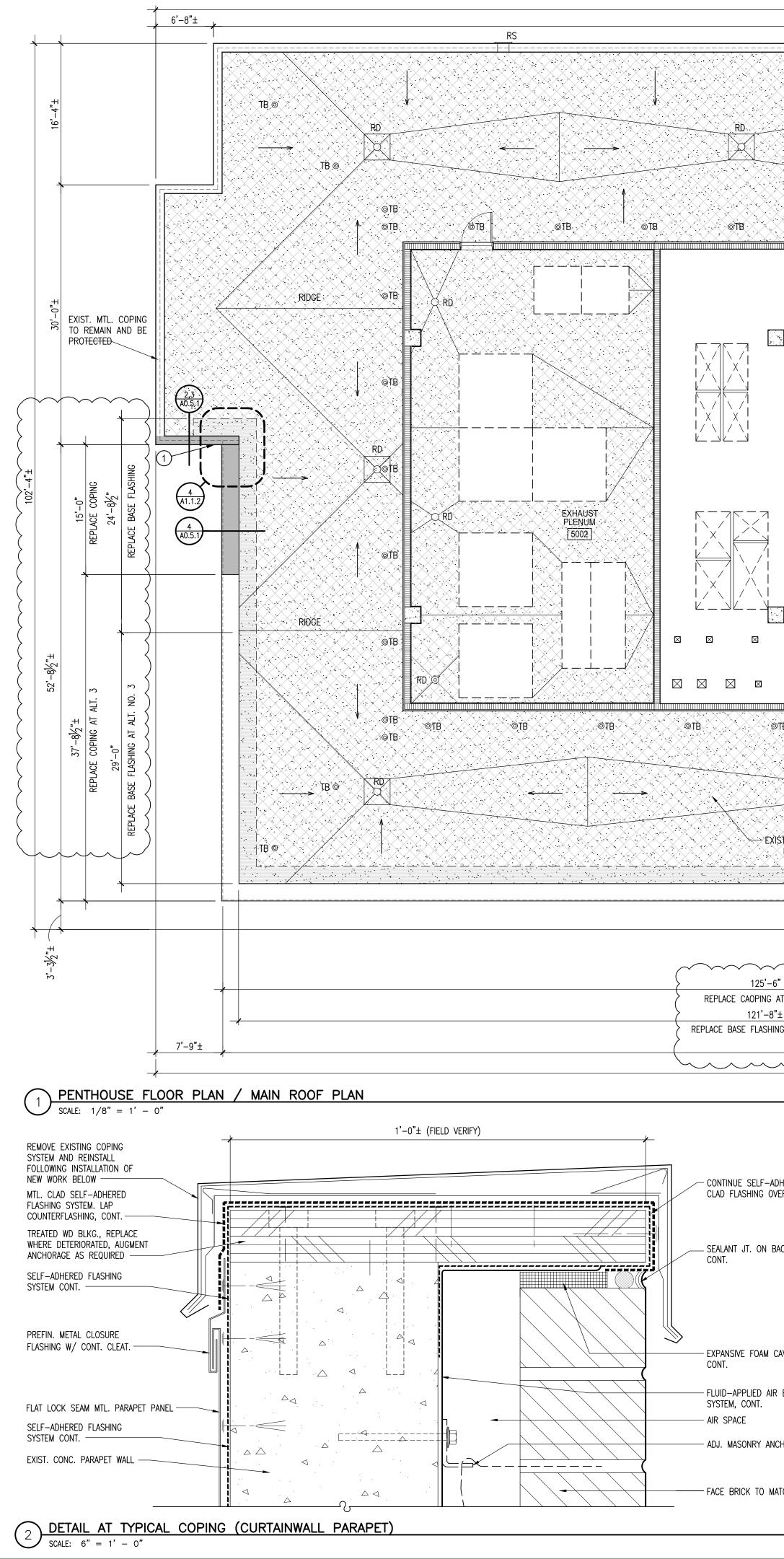
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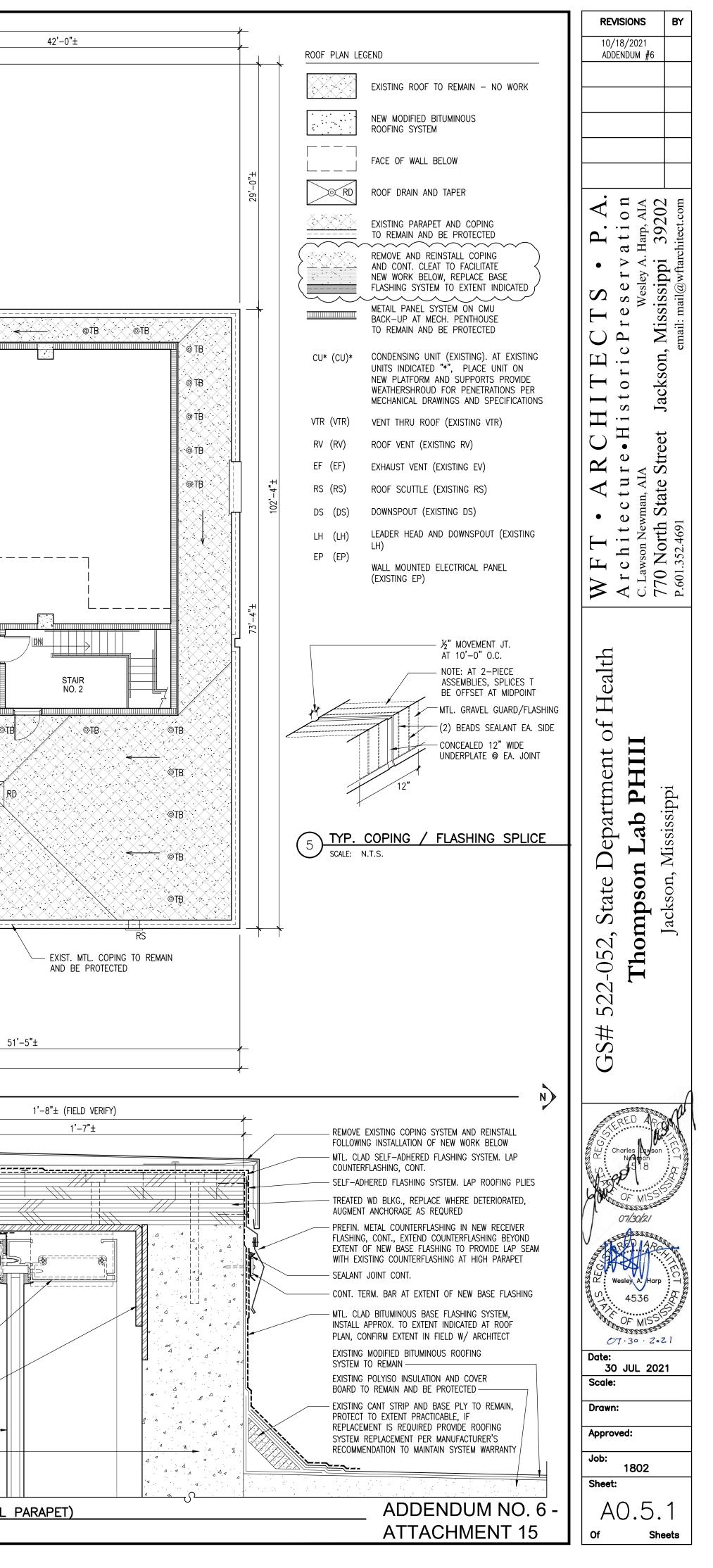
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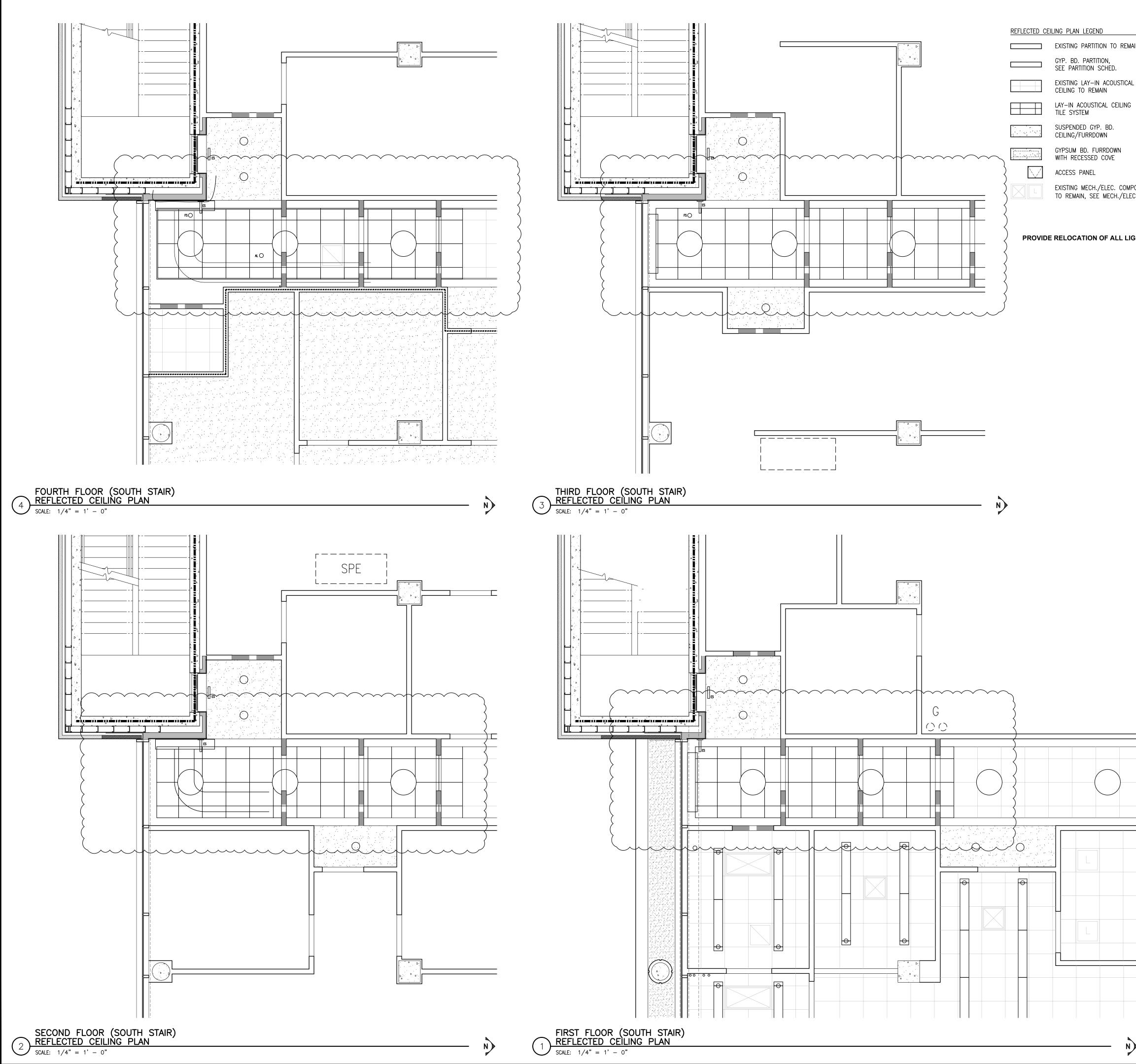


	<b>REVISIONSBY</b> 10/18/2021ADDENDUM #6
	WFT • ARCHITECTS • P.A. Architecture•HistoricPreservation C.Lawson Newman, AIA 770 North State Street Jackson, Mississippi 39202 P.601.352.4691 email: mail@wftarchitect.com
	W F T A r c h i t e c. Lawson New 770 North P.601.352.4691
	GS# 522-052, State Department of Health Thompson Lab PHIII Jackson, Mississippi
	Charles Auson OF MISSING OT/30/2/ Wesley A. Harp OT 30 - Z. Z. I Date: 30 JUL 2021 Scale: Drawn: Approved: Job:
ADDENDUM NO. 6 - ATTACHMENT 14	1802 Sheet: AO.4.4 Of Sheets



	199'-8"±		
151'-0 			<b>/</b>
		RD @TB @TB	© TB RS
Ĩ			
	ELEVATOR EQUIPMENT 5001		
	MECHANICAL PENTHOUSE 5000		
ST. MODIFIED BITUMINOUS INSULATION SYSTEMS T	O F A S ROOFING AND TAPERED POLYISO. D REMAIN AND BE PROTECTED		
"	2'-0"_	15'-0"±	RS <u>2,3</u> <u>40.5.1</u> <u>15'-0"±</u> 2'-0"
AT ALT. NO. 3 ±	199'-8"±	REPLACE COPING 34'-0"± REPLACE BASE FLASHING	REPLACE COPING
DHERED MTL. ER BLOCKING	SELF-ADHERED FLASHING SYSTEM. STRIP IN MTL. COUNTERFLASHING, CONT. FLAT LOCK SEAM MTL. PARAPET PANEL PREFIN. METAL DRIP EDGE AND CONTINUOUS CLEAT, TO RECEIVE COUNTERFALSHING PREFIN. METAL COUNTERFLASHING IN NEW RECEIVER	CONTINUE SELF-ADHERED MT FLASHING OVER MTL. CLOSUR TRIM PLYWD. BLOCKING TO F WITH FACE OF STL. PLATE — SELF-ADHERED FLEXIBLE FLAT CONTINUE OVER BLOCKING —	E FLASHING
ACKER ROD	FLASHING, CONT., MATCH EXISTING COUNTERFLASHING PROFILE AND CONTINUE AT LOW PARAPET COUNTERFLASHING SEALANT JOINT CONT. CONT. TERM. BAR AT EXTENT OF NEW BASE FLASHING SELF-ADHERED FLASHING SYSTEM. LAP ROOFING PLIES MTL. CLAD BITUMINOUS BASE FLASHING SYSTEM,	SEALANT JT. ON BACKER ROD PREFABRICATED JOINT SEAL S IN SLT. PER MANUF. REQ'MTS PRE-ENGINEERED THREE-DIMI COMPONENTS TO FIT FIELD-V CONDITIONS)	YSTEM SET
AVITY SEAL, BARRIER	EXISTING MODIFIED BITUMINOUS ROOFING SYSTEM TO REMAIN EXISTING POLYISO INSULATION AND COVER BOARD TO REMAIN AND BE PROTECTED	Ising the series       NEW SNAP COVER AT FRAMINIMEMBER, REMOVE AND REINST         MEMBER, REMOVE AND REINST       MEMBER, REMOVE AND REINST         HOLY       REPLACE PRESSURE PLATE —         "0"       CURTAIN WALL HEAD —         "0"       FULLY COAT EXPOSED STEEL         WITH HIGH—PERFORMANCE CO       EXIST. I.G. UNIT TO BE REMO         EXIST. CONC. PARAPET WALL	AT PARAPET PLATE ATING SYSTEM VED AND REINSTALLED
TCH EXIST.	DETAIL AT COUNTERFLASHING TRANSITION SCALE: 3" = 1' - 0"	4 DETAIL AT T	<u>TYPICAL COPING (CURTAINWALL</u> - 0"





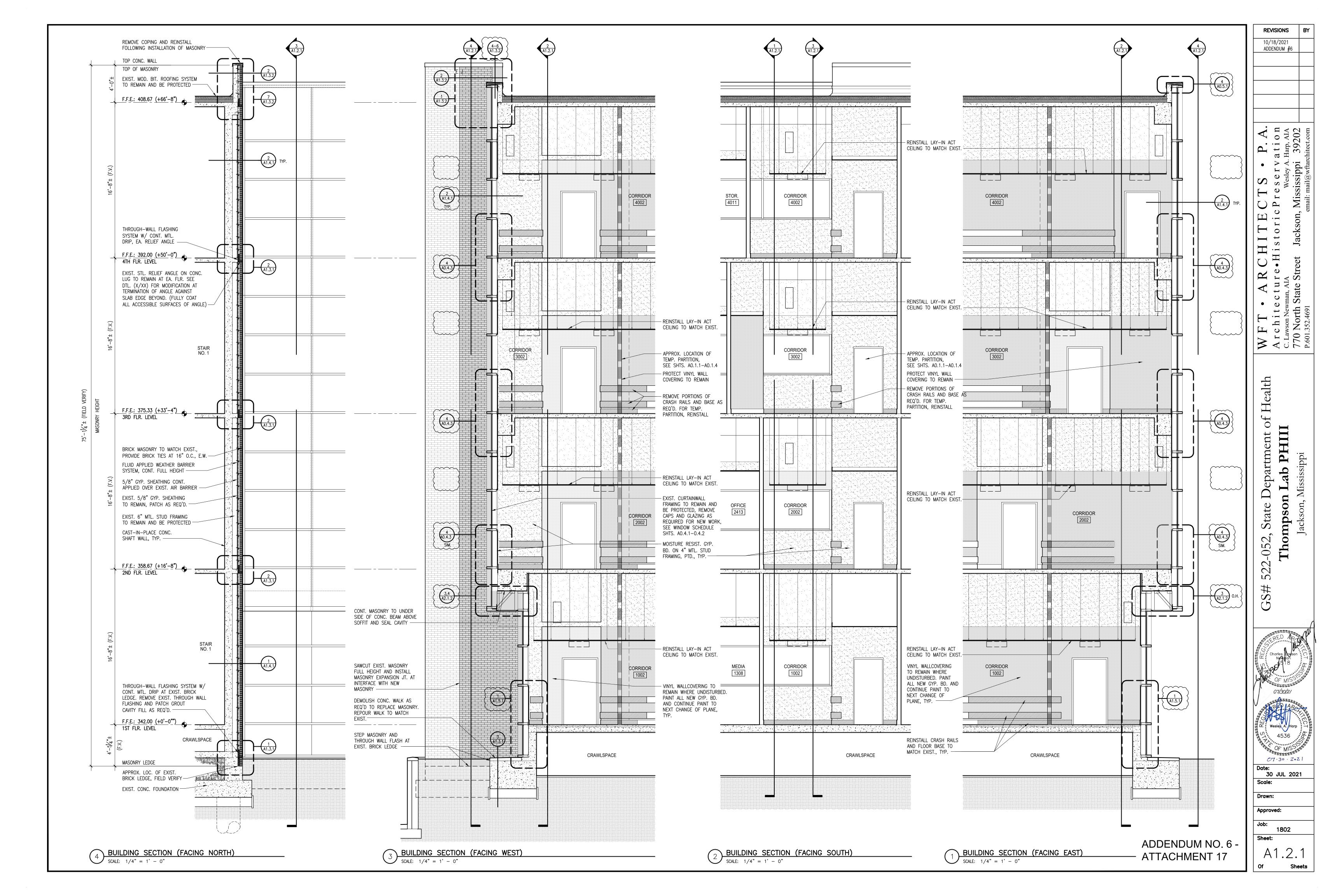
					REVISIONS 10/18/2021 ADDENDUM #6	BY
REMAIN		CEILING MOUNTED SUPPLY/EXHAUST	(8'-0")	EXISTING CEILING HEIGHT, FIELD VERIFY		
		DIFFUSER, SEE MECH. SIDE-WALL SUPPLY/EXHAUST	7'-6"	NEW CEILING HEIGHT		
TICAL		DIFFUSER, SEE MECH.		2 HOUR RATED FIRE WALL 1 HOUR RATED FIRE WALL		
ling		GRID MOUNTED LIGHT FIXTURE, SEE ELEC.		CORRIDOR FIRE WALL		
		SURFACE MOUNTED FIXTURE, SEE ELEC.	gi car	BSL-3 CONTAINMENT PERIMETER		
	0	RECESSED FIXTURE, SEE ELEC.	FA	FIRE ALARM/STROBE	i 0 3000	ct.cor
	0 0	PENDANT MOUNTED DIRECT/INDIRECT FIXTURE, SEE ELEC.	SD SPK	SMOKE DETECTOR	Р. . a t j <sup>Нагр</sup> <sup>З</sup> 9	rchite
	WF	WALL MOUNTED DIRECT/INDIRENT FIXTURE, SEE ELEC.	SC	SECURITY CAMERA	erv sleyA	wfta
COMPONENT /ELEC.	WS	WALL SCONCE, SEE ELEC.	WCD	WIFI/COMM DEVICE	C S e r Wesley	mail@
	0	CEILING MOUNTED DEVICE AS SCHEDULED			C J P r Mis	email: mail@wftarchitect.com
LIGHTS ANI	D CELING MTD	ACCESSORIES REQURIED WITHIN CON	JTAINMENT AREA	A, ANTERROM AND BUFFER ROOM	Department of HealthW F T • A R C H I T E C T S •Lab PHIIIW F T • A R C H I T E C T S •Lab PHIIIA r c h i t e c t u r e • H i s t o r i c P r e s e r vesley and the set of th	P.601.352.4691
					GS# 522-052, State Department or Thompson Lab PHIII	Jackson, Mississippi
					Charles for son Network OF MISS OF MISS OF MISS OT/30/2/ Wesley A Harp OF MISS OF MISS OT/30/2/ Wesley A Harp OF MISS OF MISS OT - 30 - 2 - 2 Date: 30 JUL 202 Scale: Drawn: Approved: Job: 1802 Sheet:	

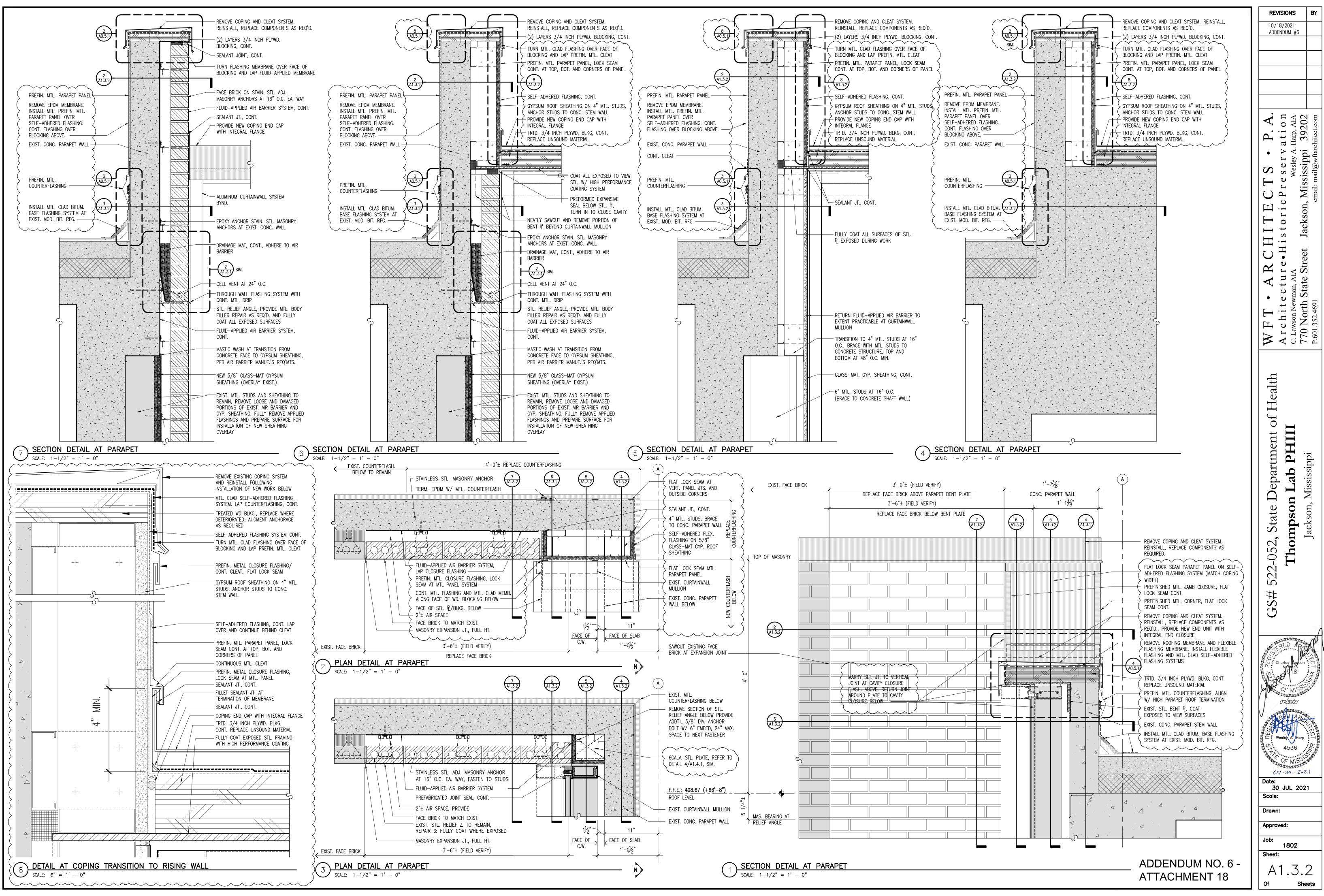
# ADDENDUM NO. 6 -ATTACHMENT 16

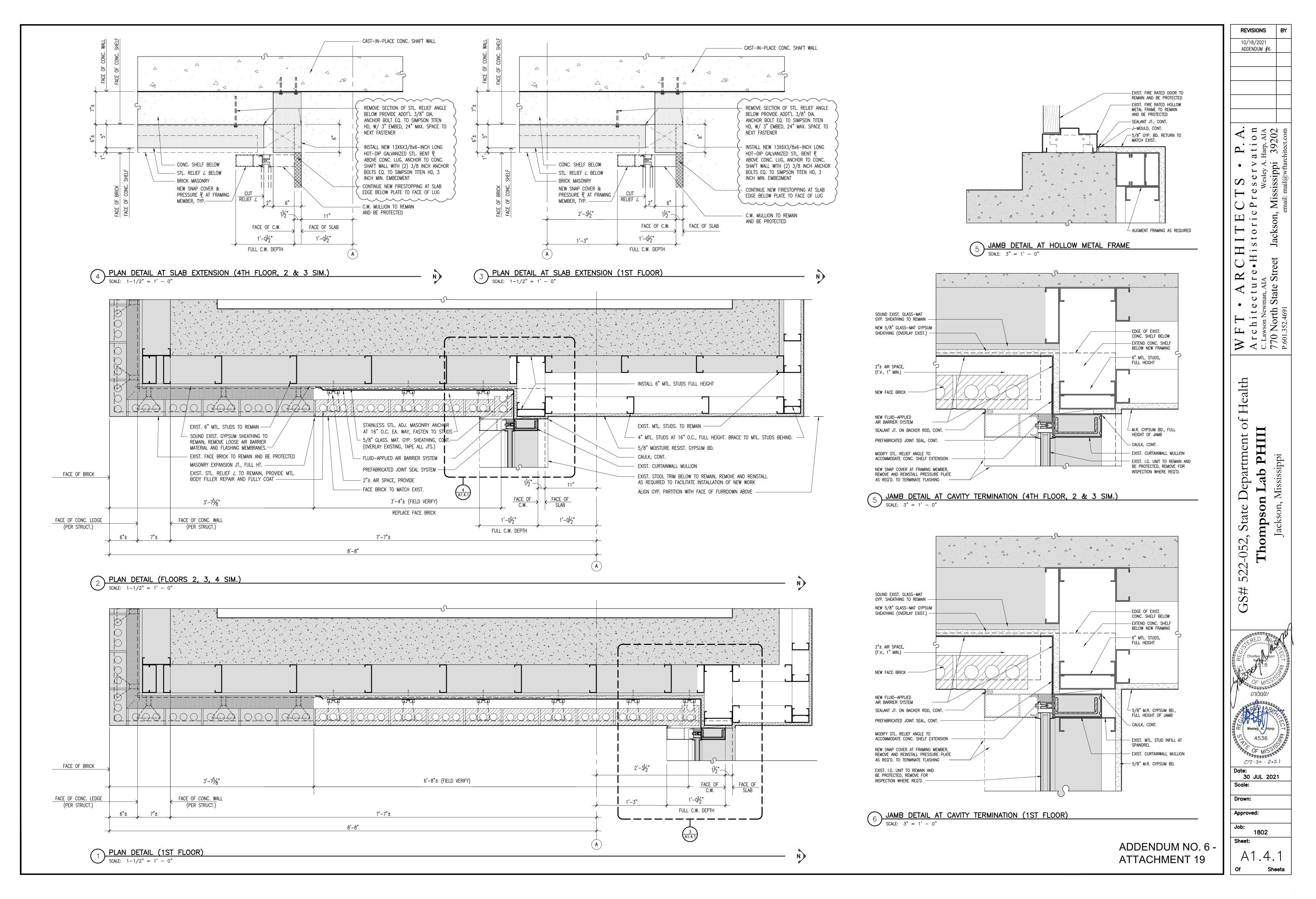
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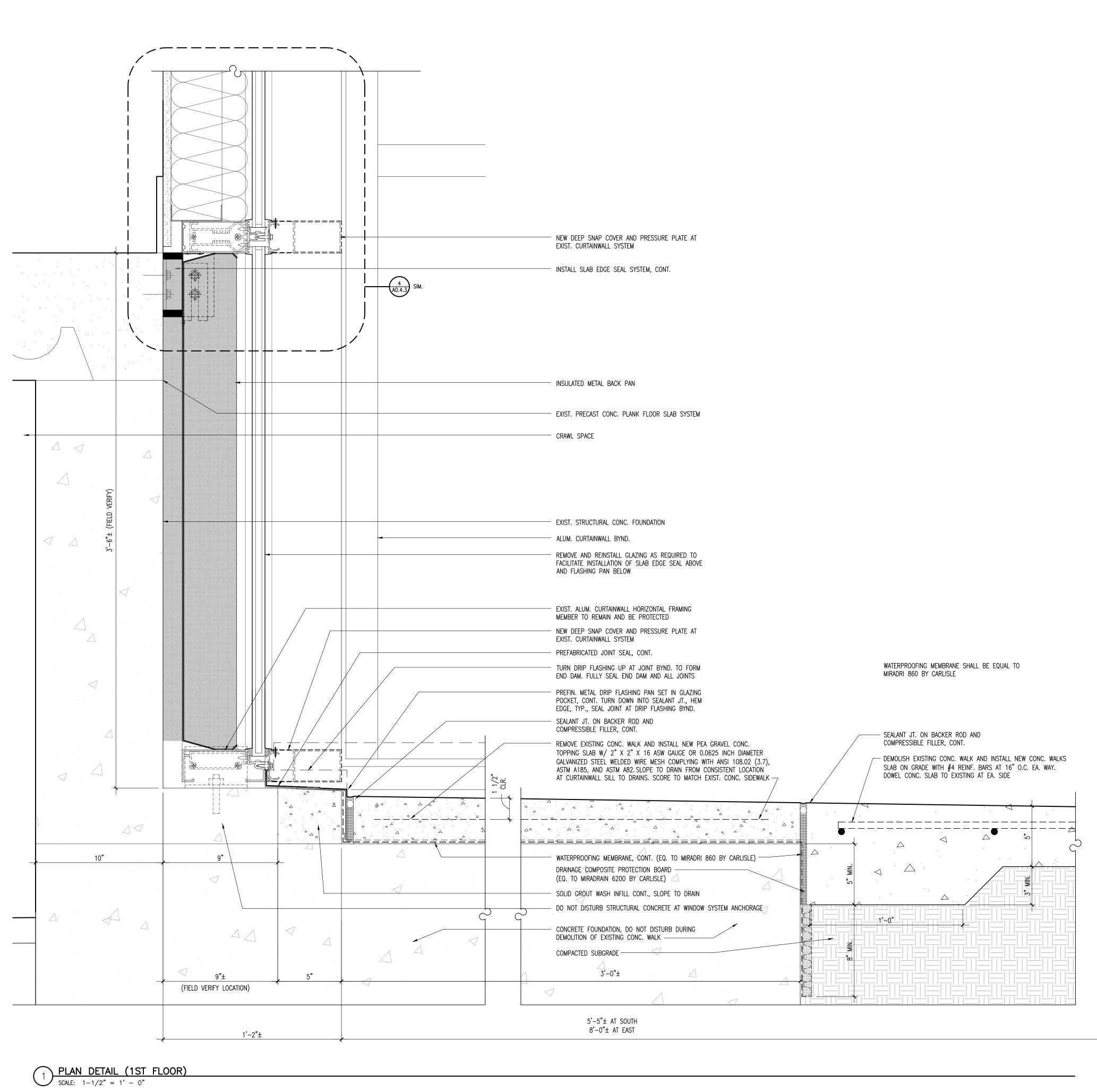
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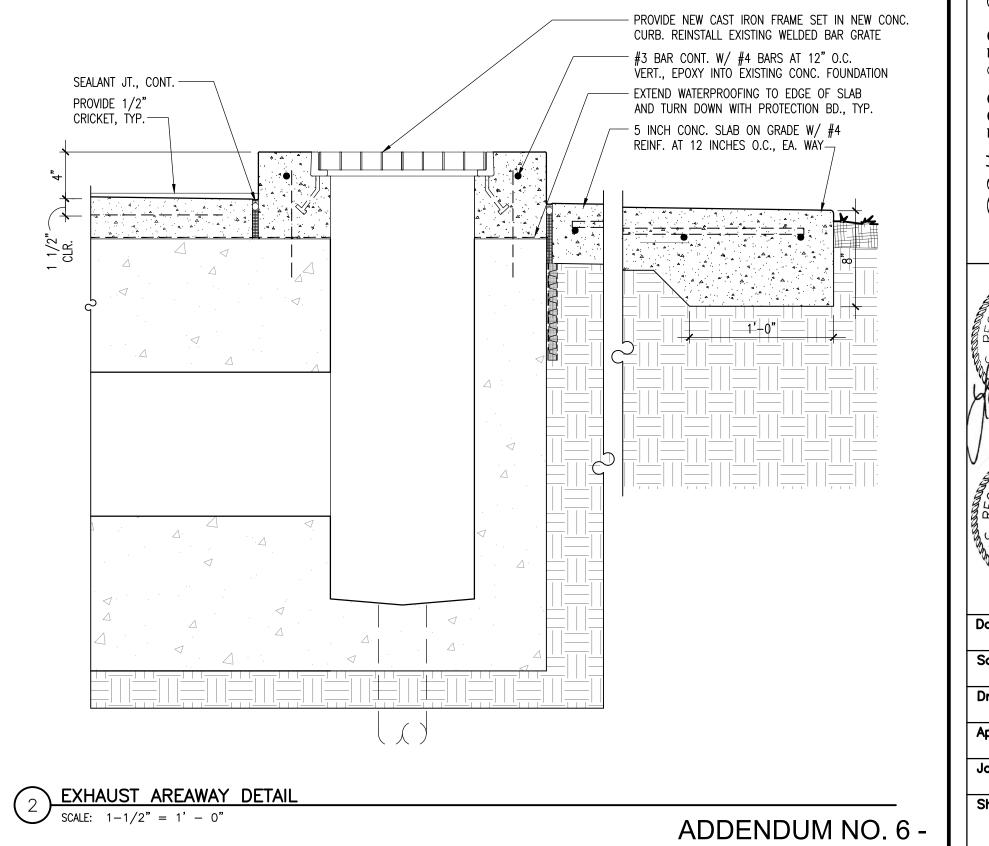
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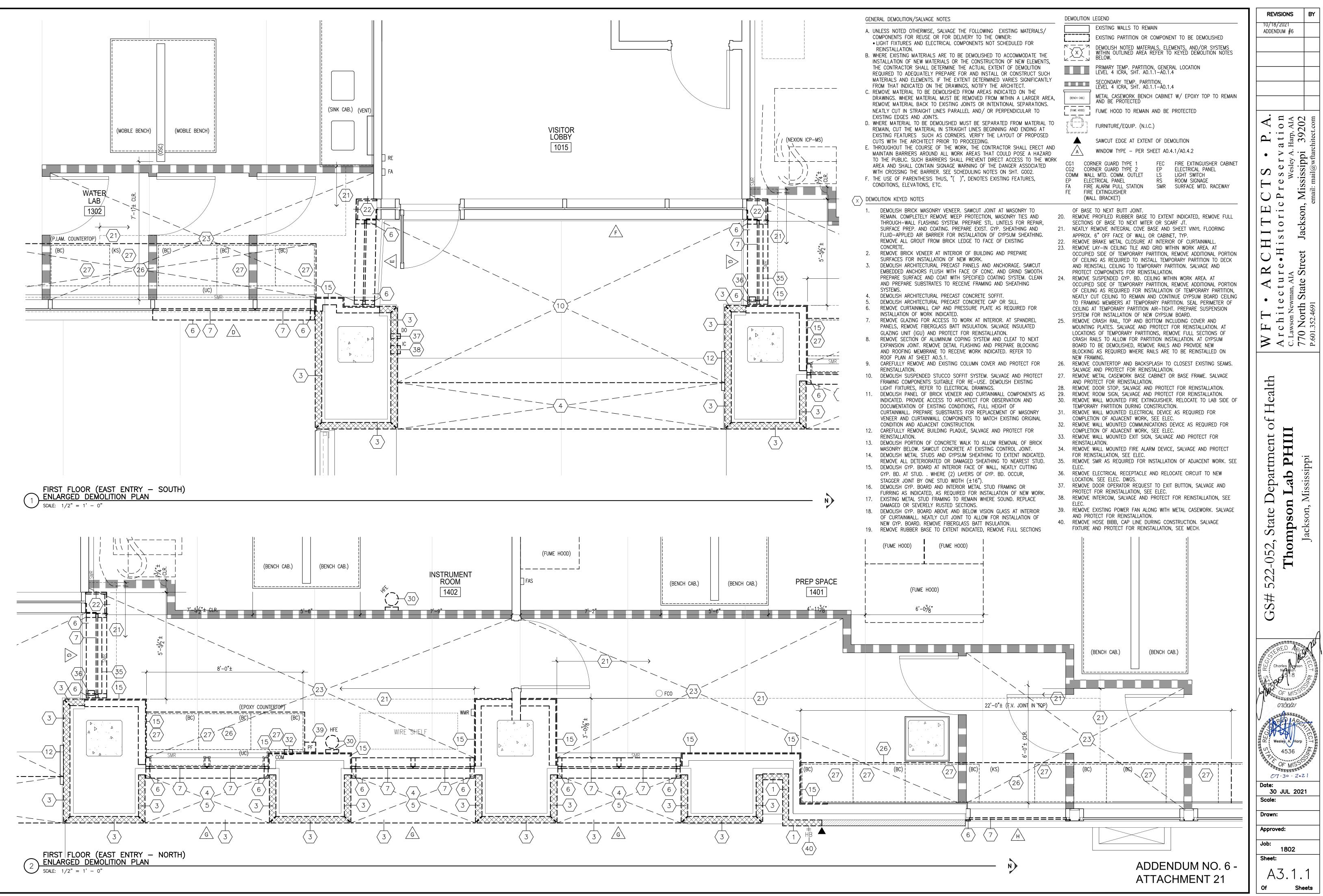


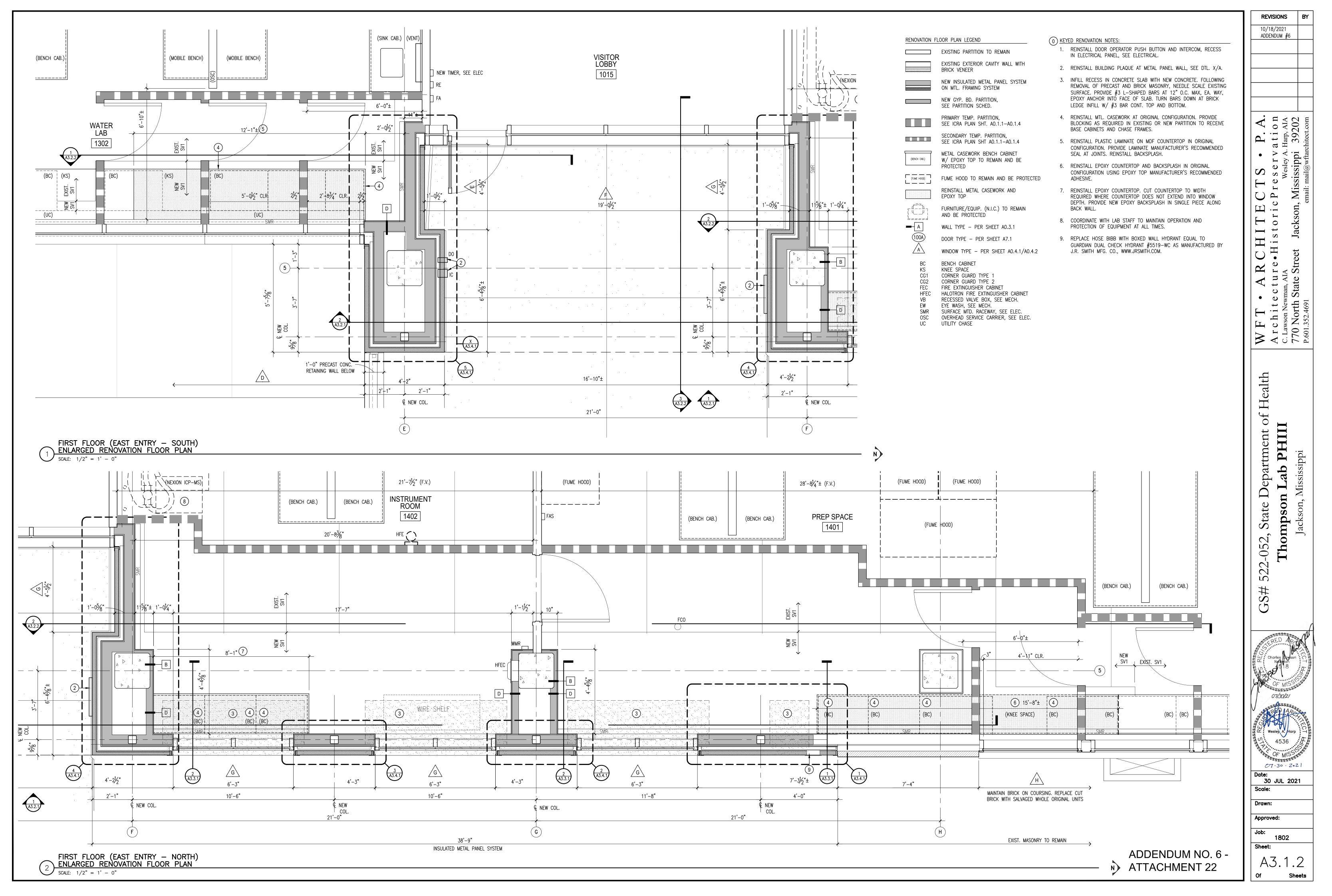


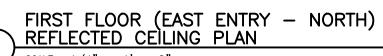


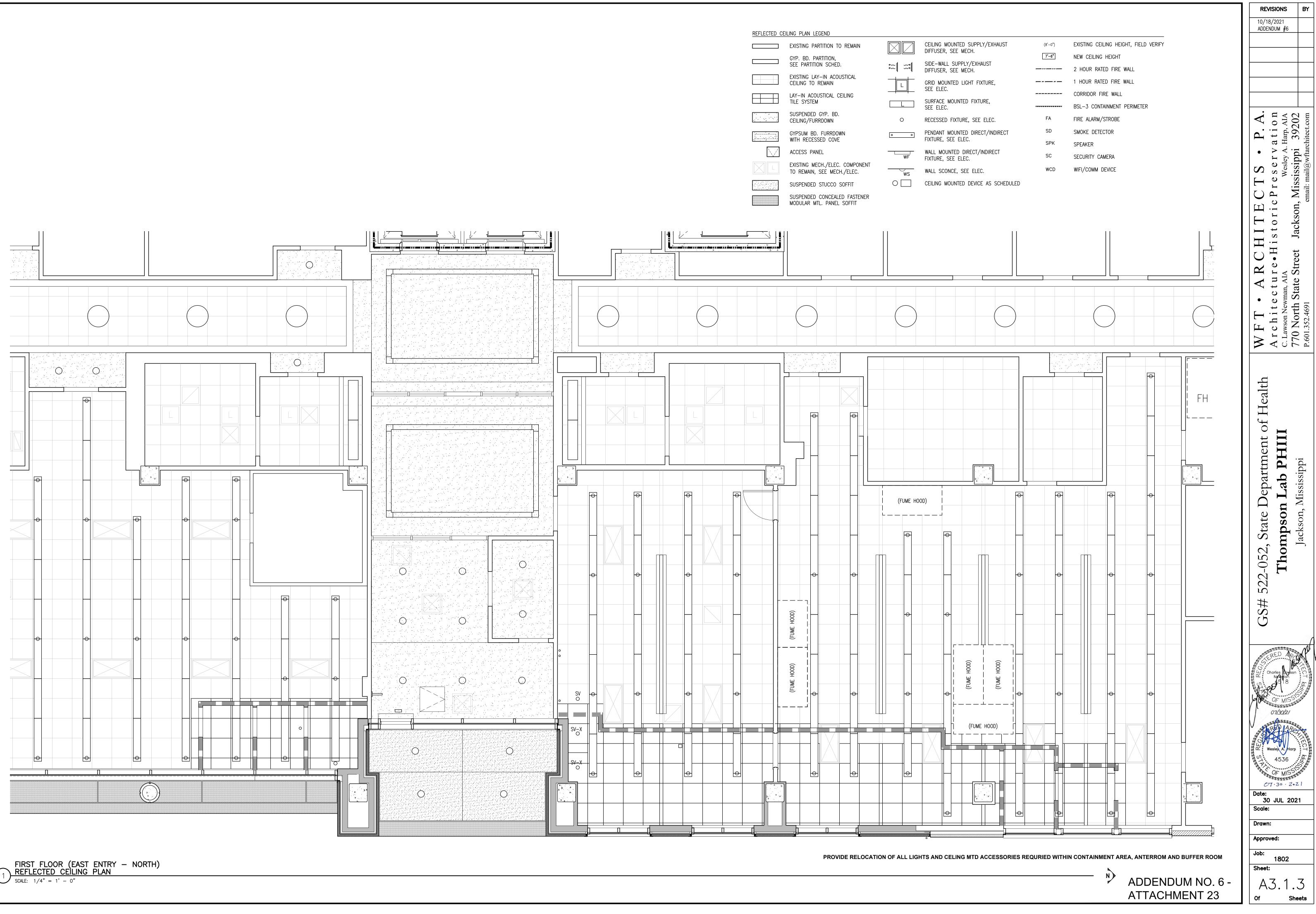
ATTACHMENT 20

GS# 522-052, State Department of Health       W F T • A R C H I T E C T S • P. A.         Thompson Lab PHII       A r c h i t e c t u r e · H i s t o r i c P r e s e r v a t i o n         Jackson, Mississippi       Jackson, Mississippi	RE	VISION	IS	BY
522-052, State Department of Health <b>Thompson Lab PHII</b> Jackson, Mississippi Jackson, Mississippi P.601.352.4691				
522-052, State Department of Health <b>Thompson Lab PHII</b> Jackson, Mississippi Jackson, Mississippi P.601.352.4691				
522-052, State Department of Health <b>Thompson Lab PHII</b> Jackson, Mississippi Jackson, Mississippi P.601.352.4691				
522-052, State Department of Health <b>Thompson Lab PHIII</b> Jackson, Mississippi	T			JackSoll, MISSISSIPPI J7202 – email: mail@wftarchitect.com
522-052, State ] <b>Thompson</b> Jackson,	WFT • ARC	Architecture•H	C. Lawson Newman, AIA	P.601.352.4691
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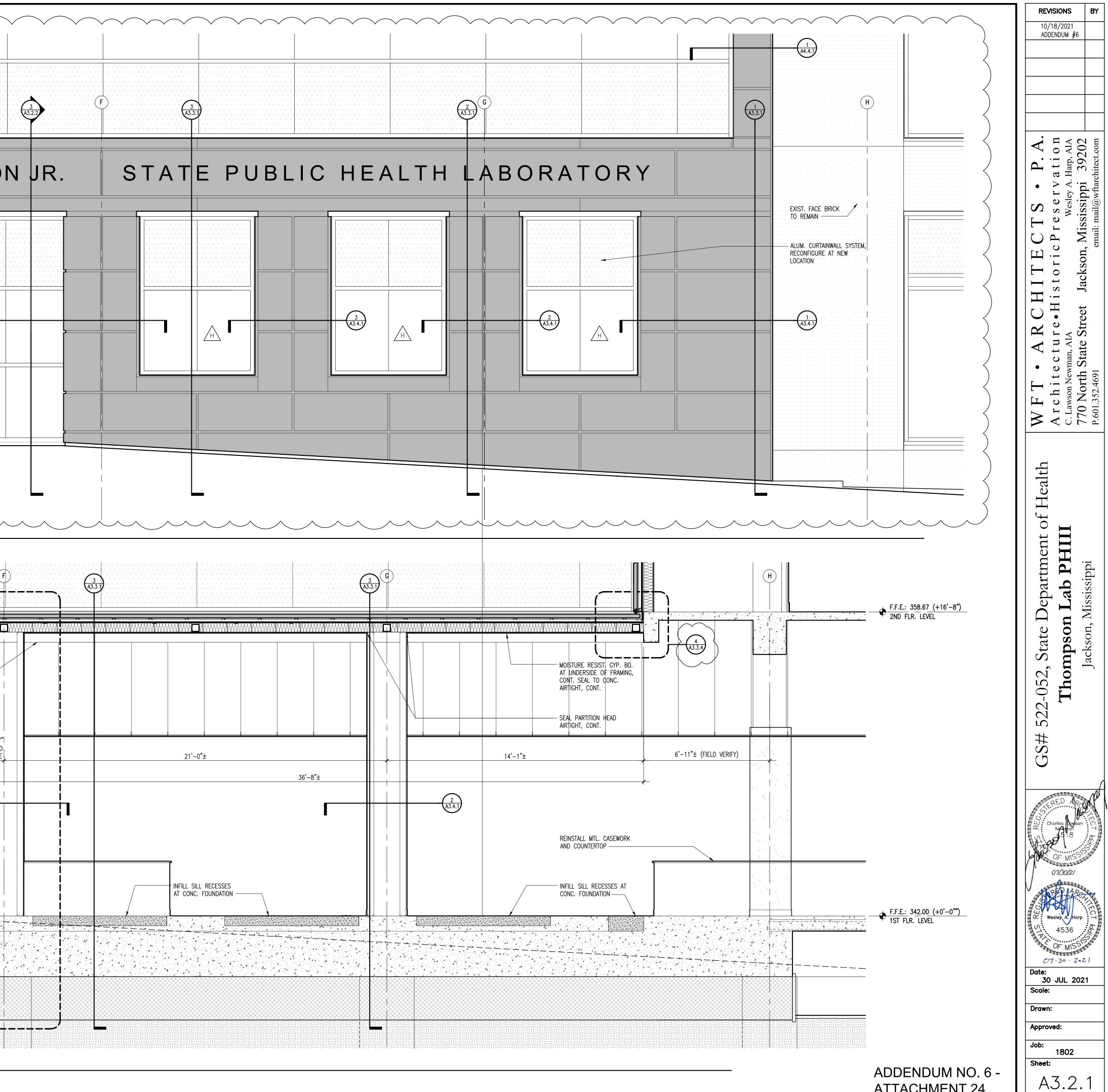




<u>R</u>	EFLECTED CEI	LING PLAN LEGEND	
C		EXISTING PARTITION TO REMAIN	
C		GYP. BD. PARTITION, SEE PARTITION SCHED.	
		EXISTING LAY—IN ACOUSTICAL CEILING TO REMAIN	, 
E		LAY—IN ACOUSTICAL CEILING TILE SYSTEM	
[		SUSPENDED GYP. BD. CEILING/FURRDOWN	0
	·]:	GYPSUM BD. FURRDOWN WITH RECESSED COVE	0
		ACCESS PANEL	w
		EXISTING MECH./ELEC. COMPONENT TO REMAIN, SEE MECH./ELEC.	w
		SUSPENDED STUCCO SOFFIT	0
		SUSPENDED CONCEALED FASTENER	

$\rightarrow$								
CONTINUOUS INSULATED MTL. PANEL SYSTEM CAP		· · · · · · · · · · · · · · · · · · ·						
1−1/2" TYP. REVEAL, CONT. POST MOUNTED CAST ALUM. SIGNAGE, RE–INSTALL EXISTING LETTERS, PROVIDE NEW 8–INCH DIAMETER CAST MS STATE SEAL – 1−1/2" TYP. REVEAL, CONT.				.F.E.	"ED	)" TH	ΙΟΜ	PSO
3–1/2" REVEAL, CONT INSULATED MTL. PANEL SYSTEM								
> 1–1/2" TYP. REVEAL, CONT. —				5 A3.4.1			F	4 (4) (4)
) 1–1/2" TYP REVEAL, CONT.——								
$\rangle$								
$1 \frac{\text{ENLARGED EAST}}{\text{SCALE: } 3/8" = 1' - 0"}$	ELEVATIO	N					3 (A3.2.2)	
				OVER TOP OF F	RAMING, CONT.	NEATHER BARRIER SY	STEM	
	1'-7" 1'-7 STUD STU FACE FAC			FACE OF CONC.	BEAM BYND. —			1'-7" STUD FACE
	3'-2"		5 A3.4.1 4	17'-	101/8"	4 (A3.4.1)		
			A3.3.2			1 A3.3.2		

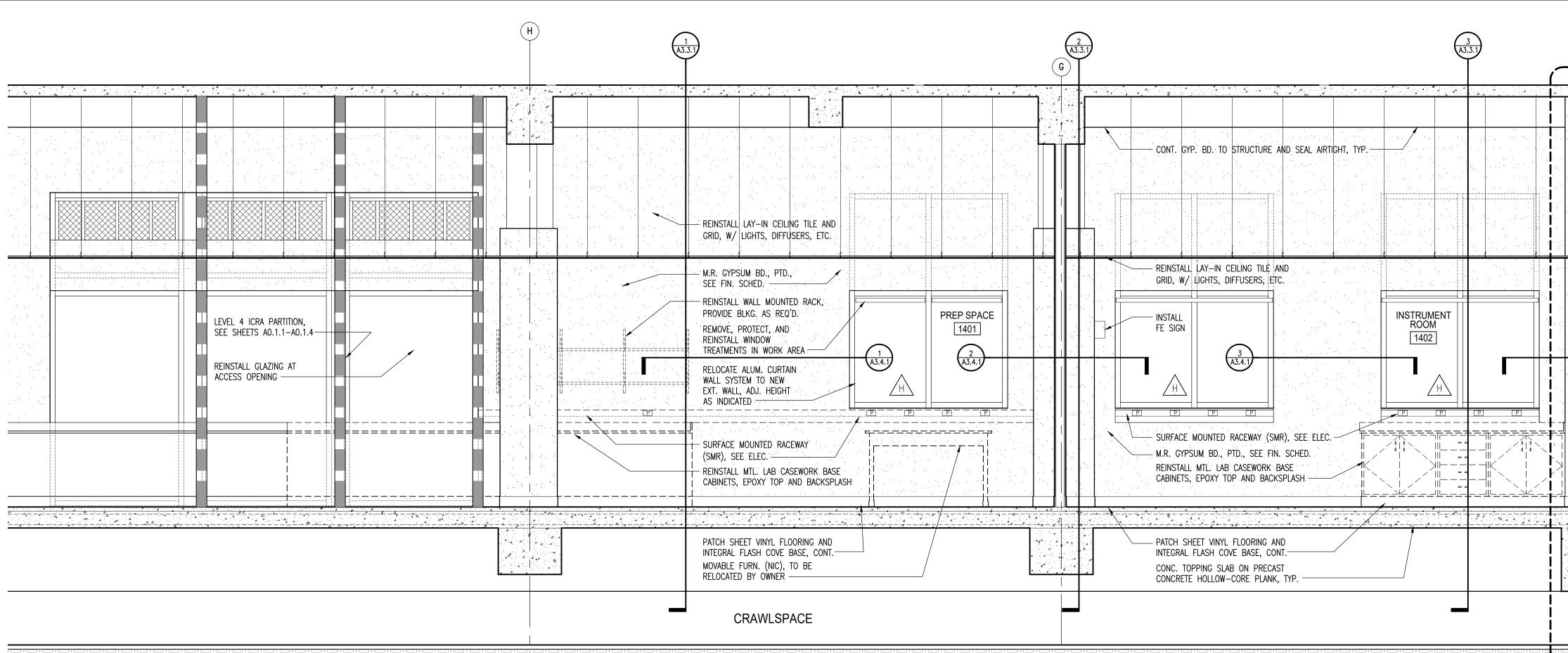
 $(2) \frac{\text{BUILDING SECTION (NORTH-SOUTH, FACING WEST)}}{\text{SCALE: } 3/8" = 1' - 0"}$ 

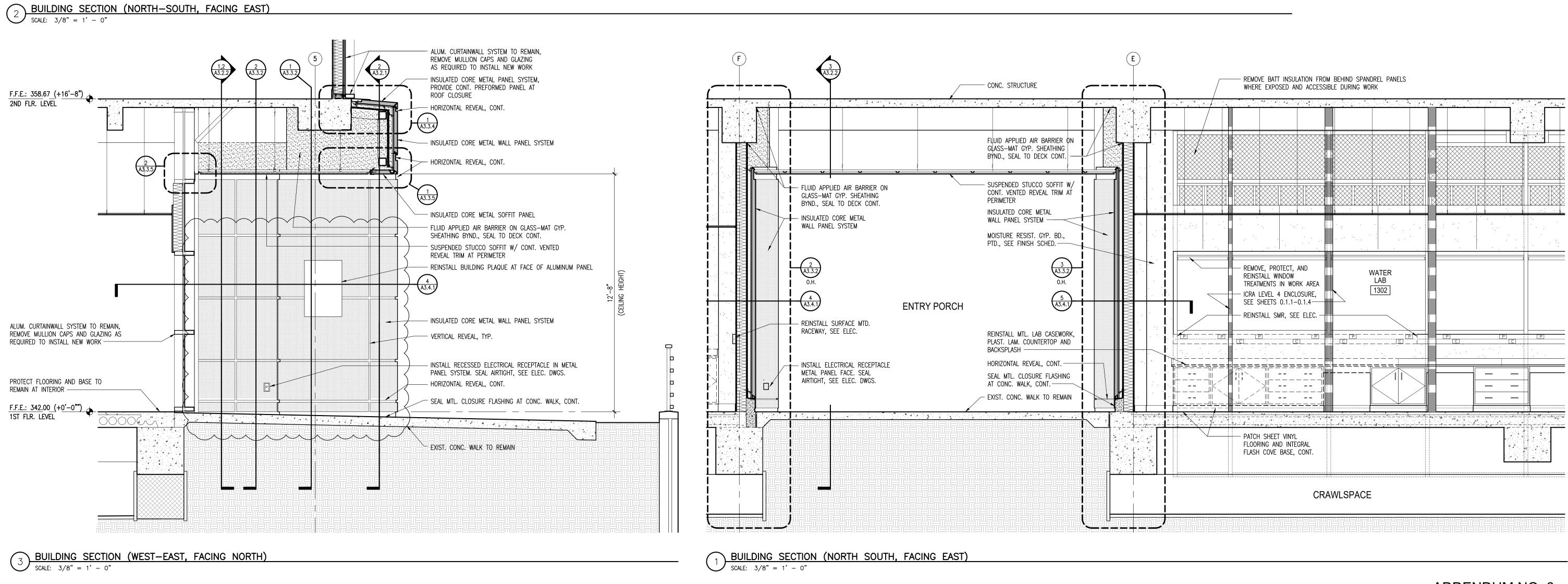


**ATTACHMENT 24** 

Sheets

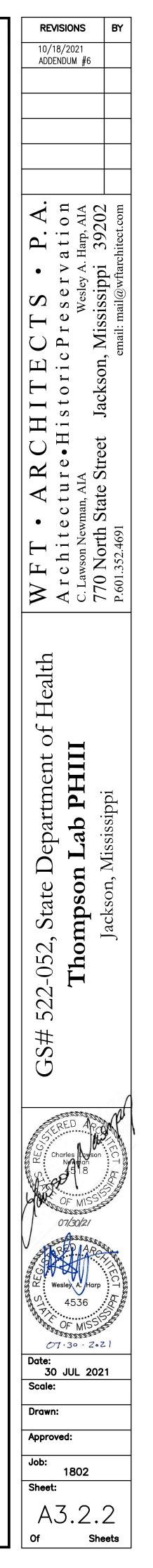
Of

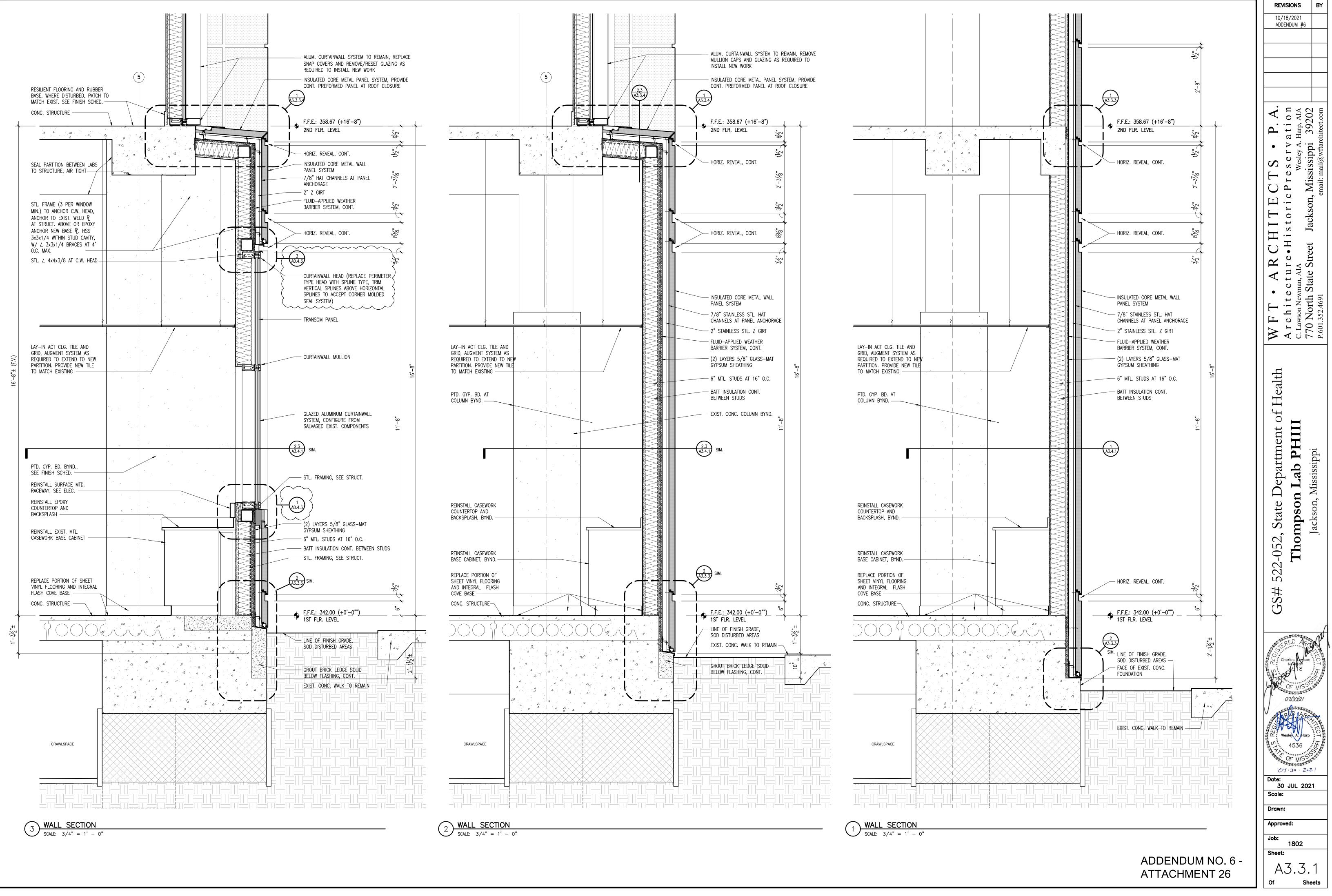


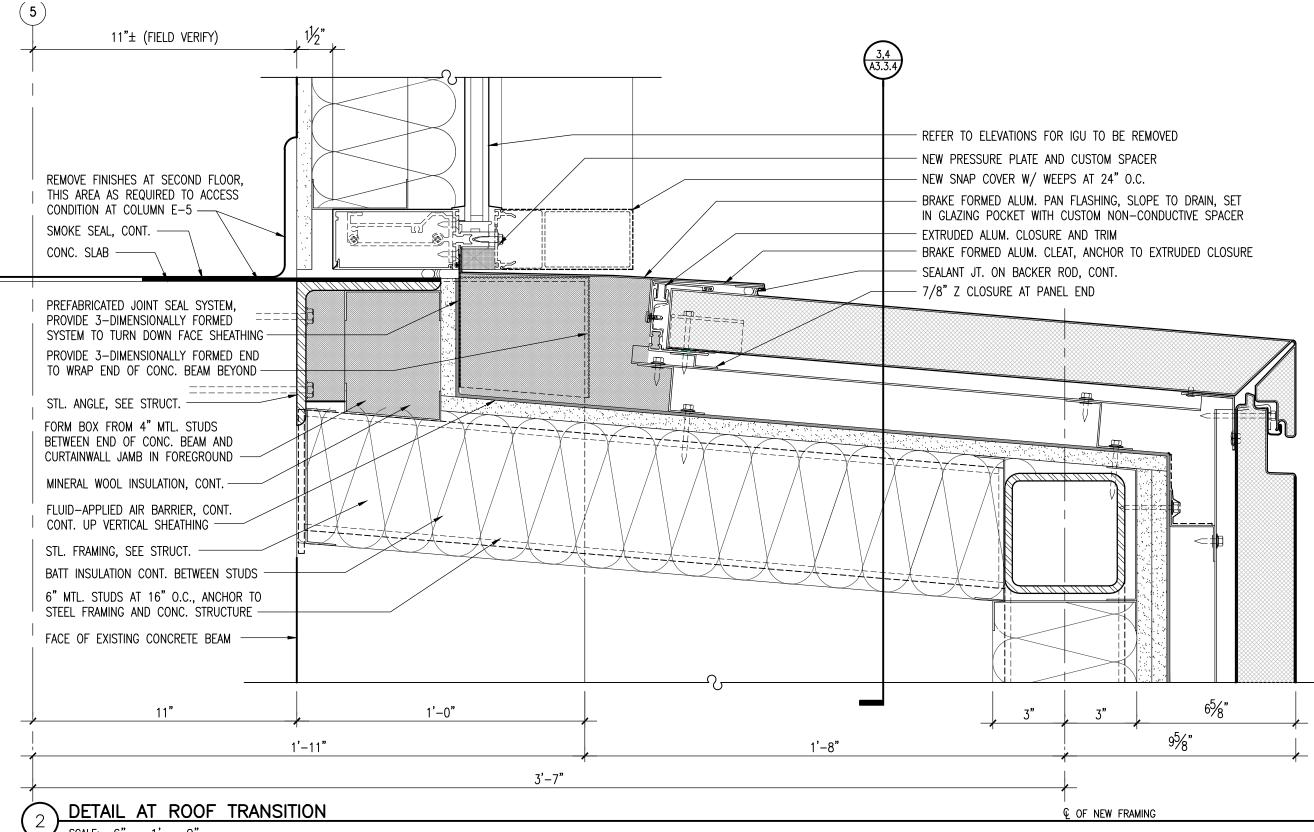


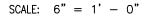


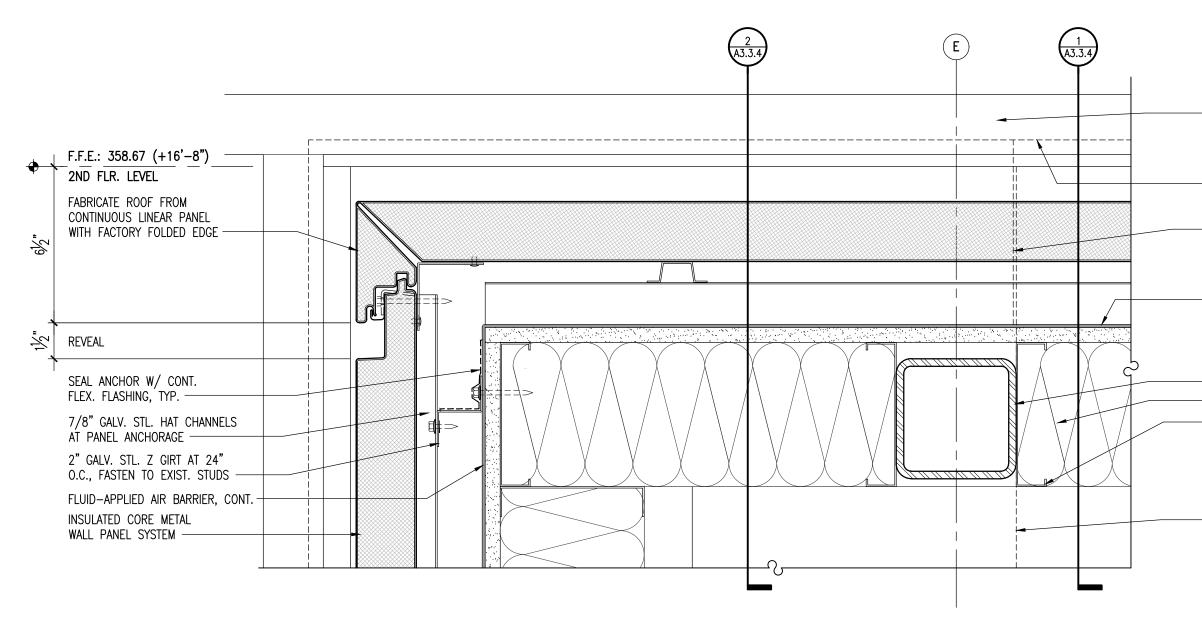
F		3 A3.2.2	
-+			
			<b>v</b>
	GLA	SS-MAT GY	AIR BARRIER ON P. SHEATHING O DECK CONT.
		JLATED COF L PANEL S	
		23.2	
		H. 4.1	
		NSTALL SUR EWAY, SEE	
	MET	AL PANEL I	RICAL RECEPTACLE FACE. SEAL ELEC. DWGS.
		=  =  =  =     =  =	



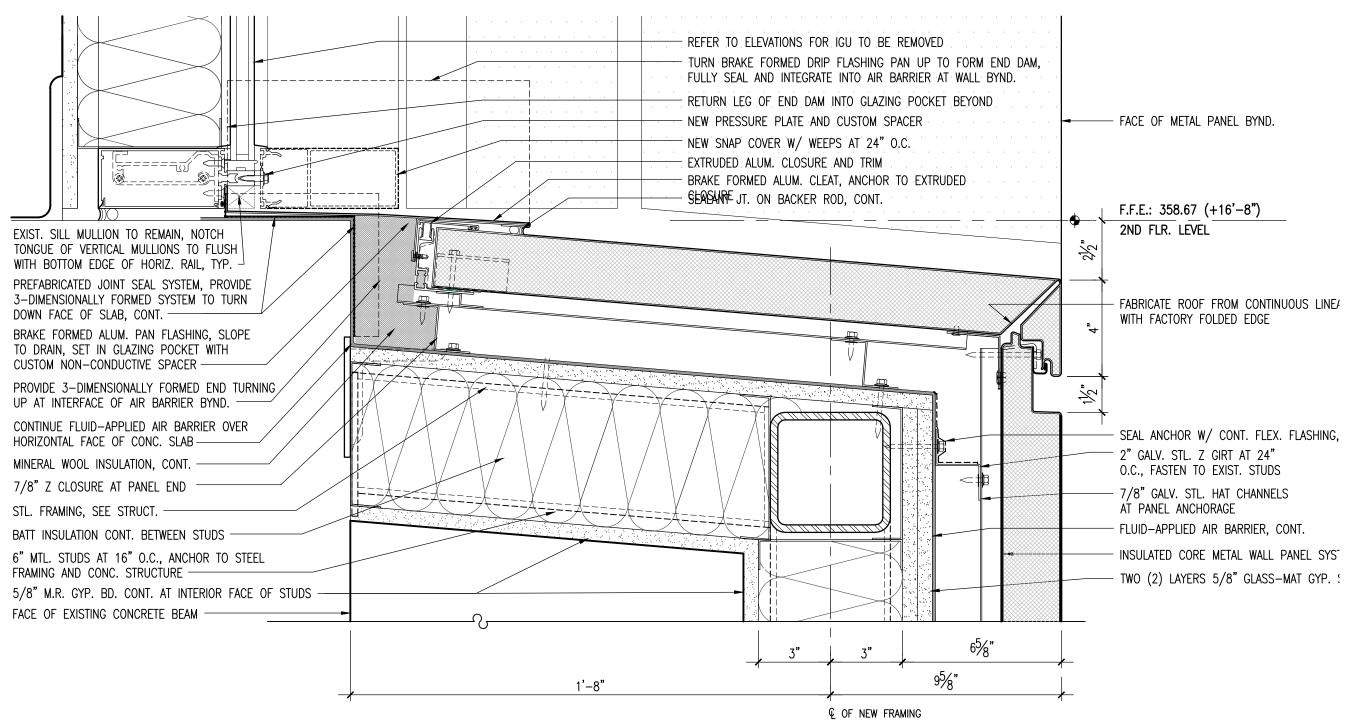








<u>DETAIL AT ROOF TRANSITION</u> SCALE: 6'' = 1' - 0''



## ↓ DETAIL AT ROOF TRANSITION SCALE: 6'' = 1' - 0''

### - EXIST. SILL MULLION TO REMAIN, NOTCH TONGUE OF VERTICAL MULLIONS TO FLUSH WITH BOTTOM EDGE OF HORIZ. RAIL, TYP.

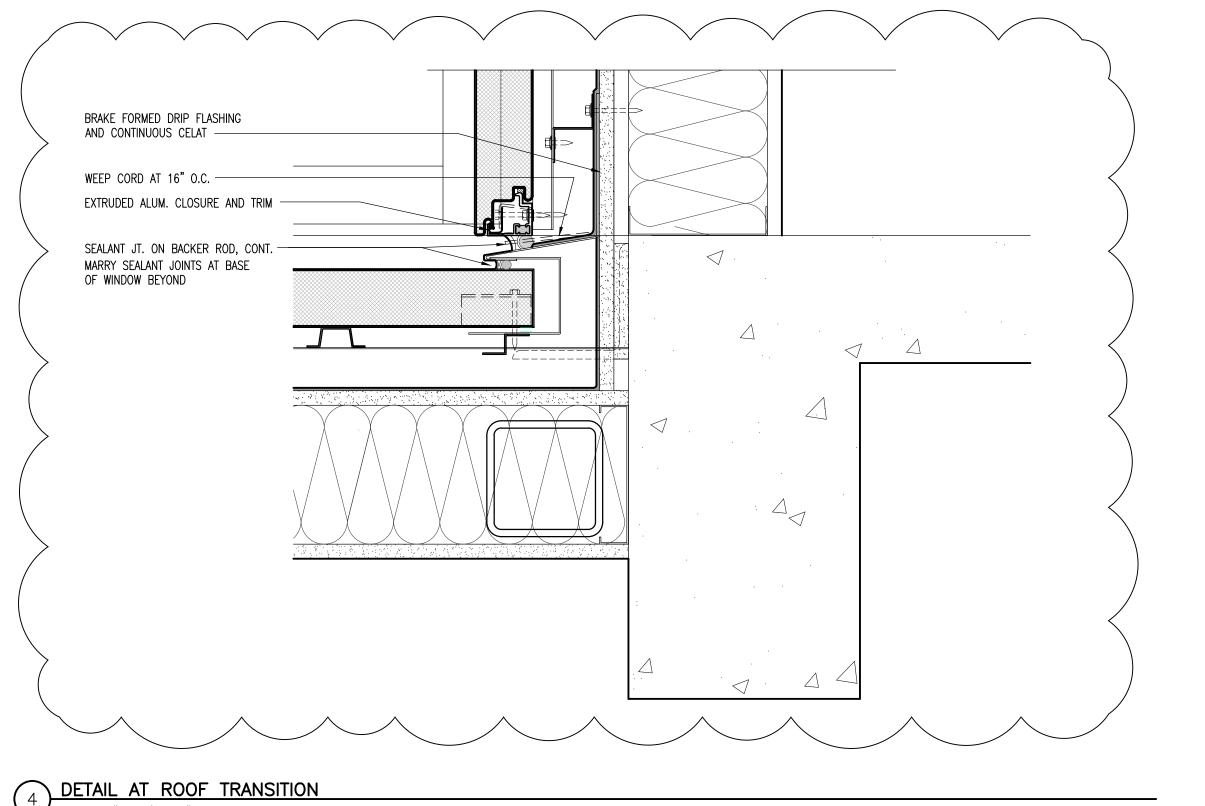
PREFABRICATED JOINT SEAL SYSTEM, SET IN GLAZING POCKET BYND.

PROVIDE 3-DIMENSIONALLY FORMED END TURNING DOWN FACE OF BEAM RETURN BYND.

CONTINUE FLUID-APPLIED AIR BARRIER OVER HORIZONTAL FACE OF CONC. SLAB

– STL. FRAMING, SEE STRUCT. - BATT INSULATION CONT. BETWEEN STUDS - 6" MTL. STUDS AT 16" O.C., ANCHOR TO STEEL FRAMING AND CONC. STRUCTURE

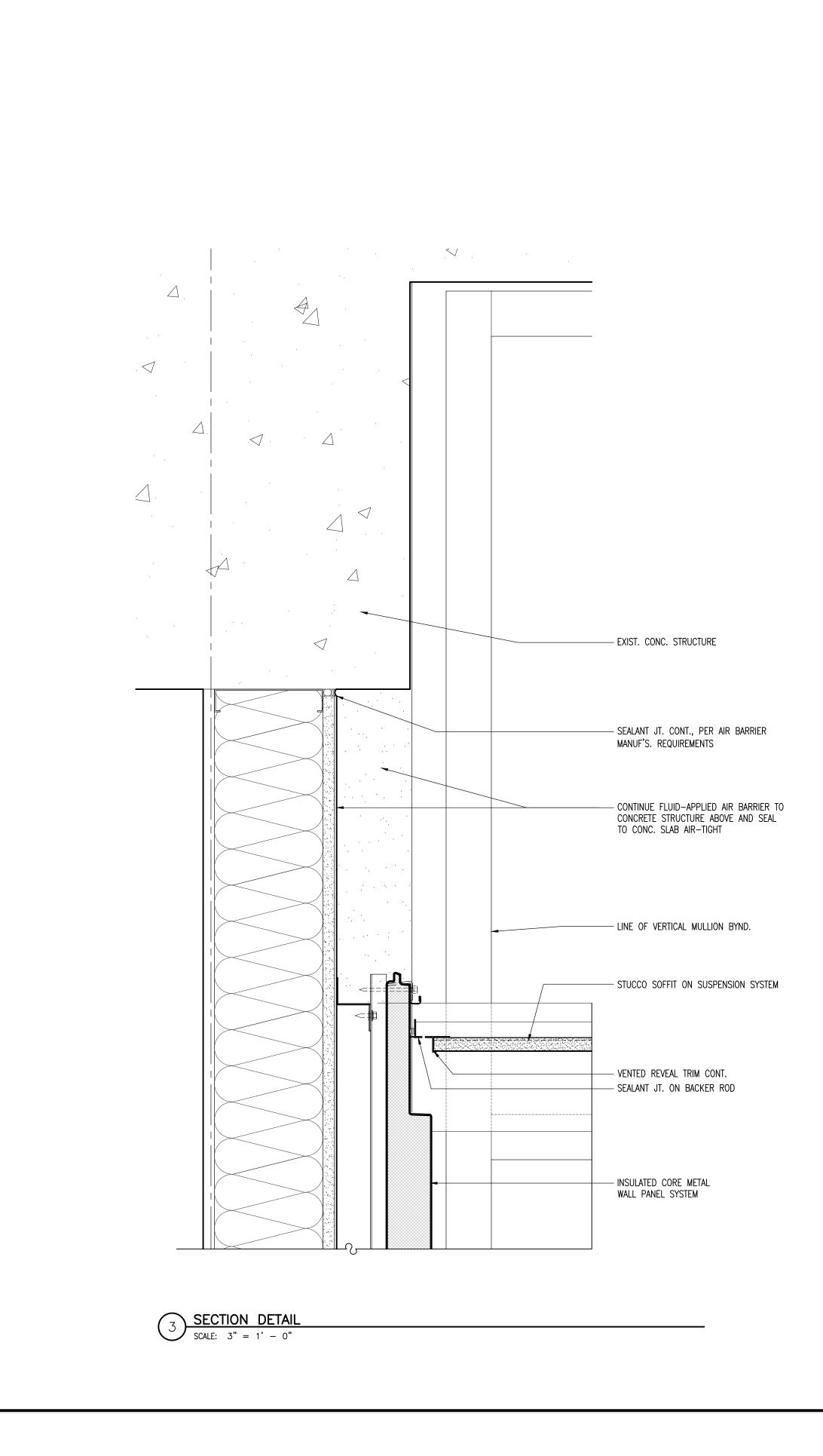
- FACE OF EXISTING CONCRETE BEAM

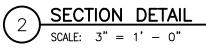


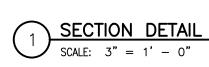
SCALE: 6'' = 1' - 0''

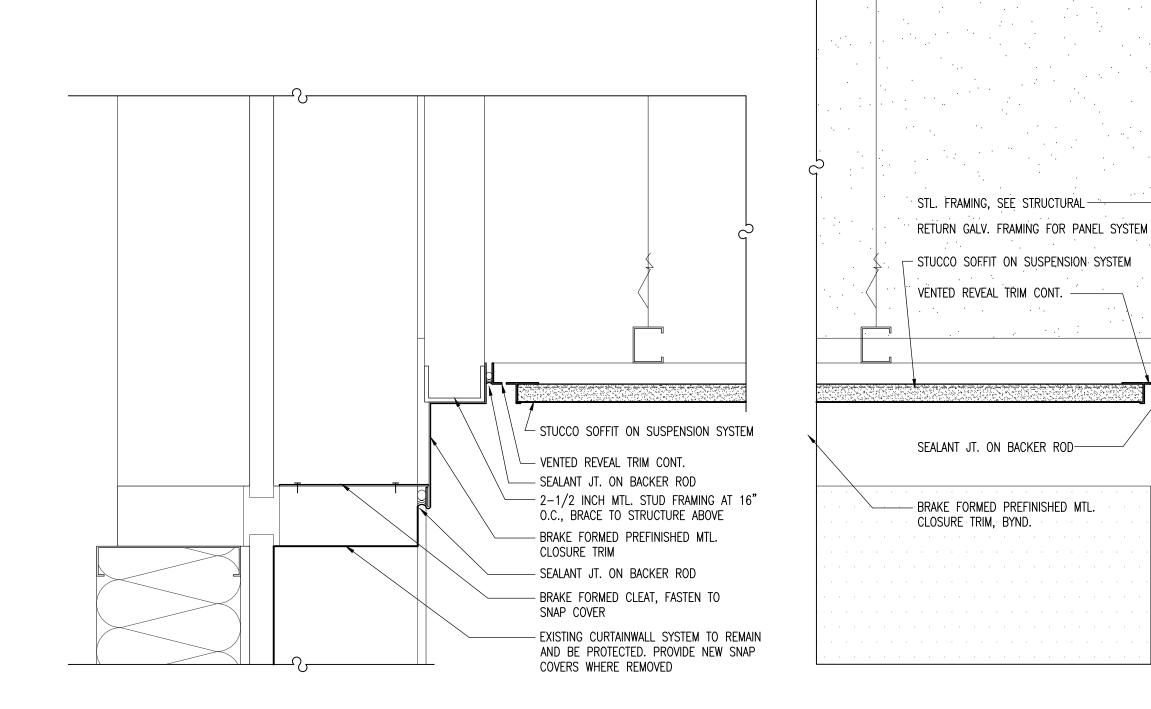
## ADDENDUM NO. 6 -**ATTACHMENT 27**







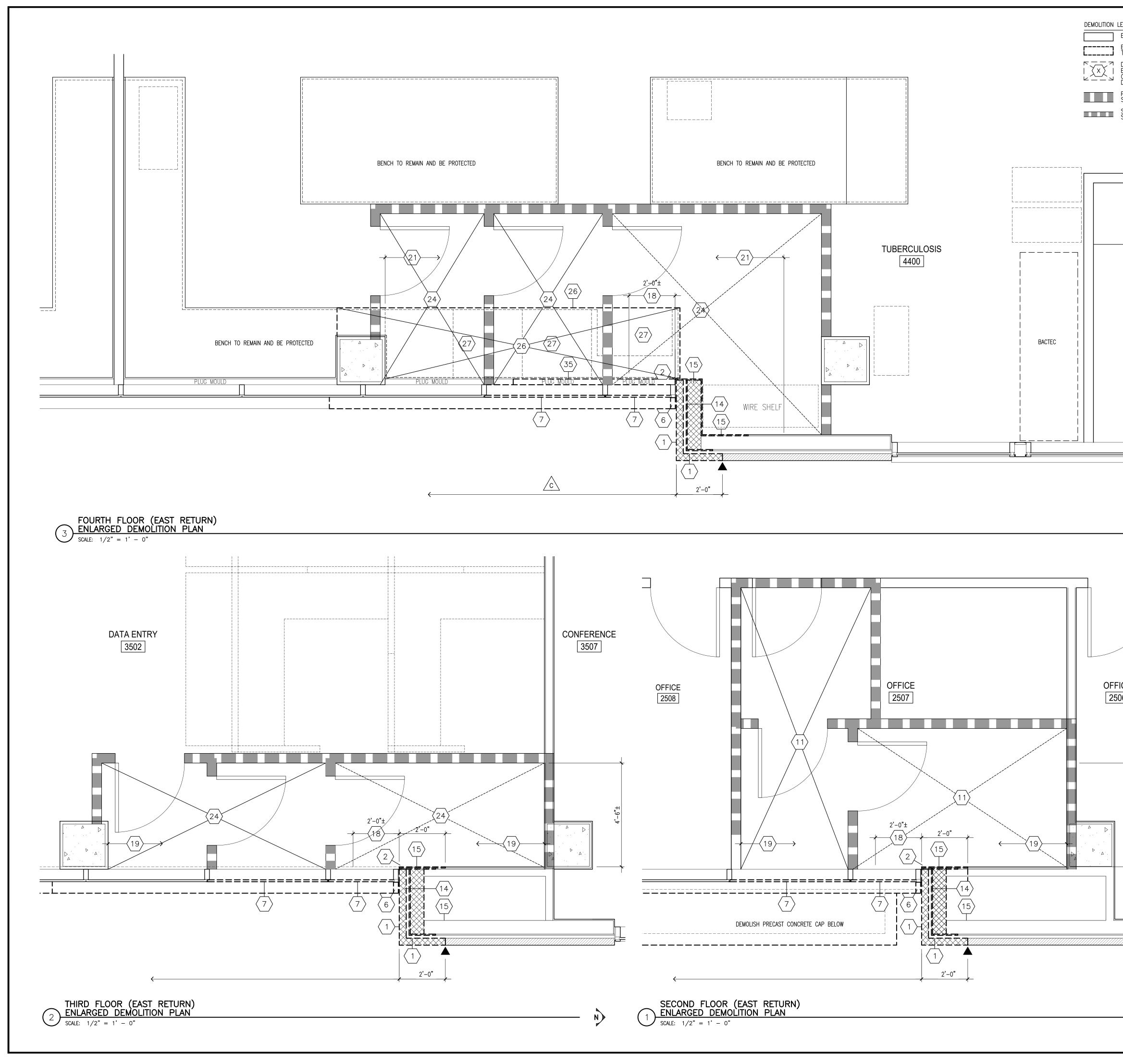




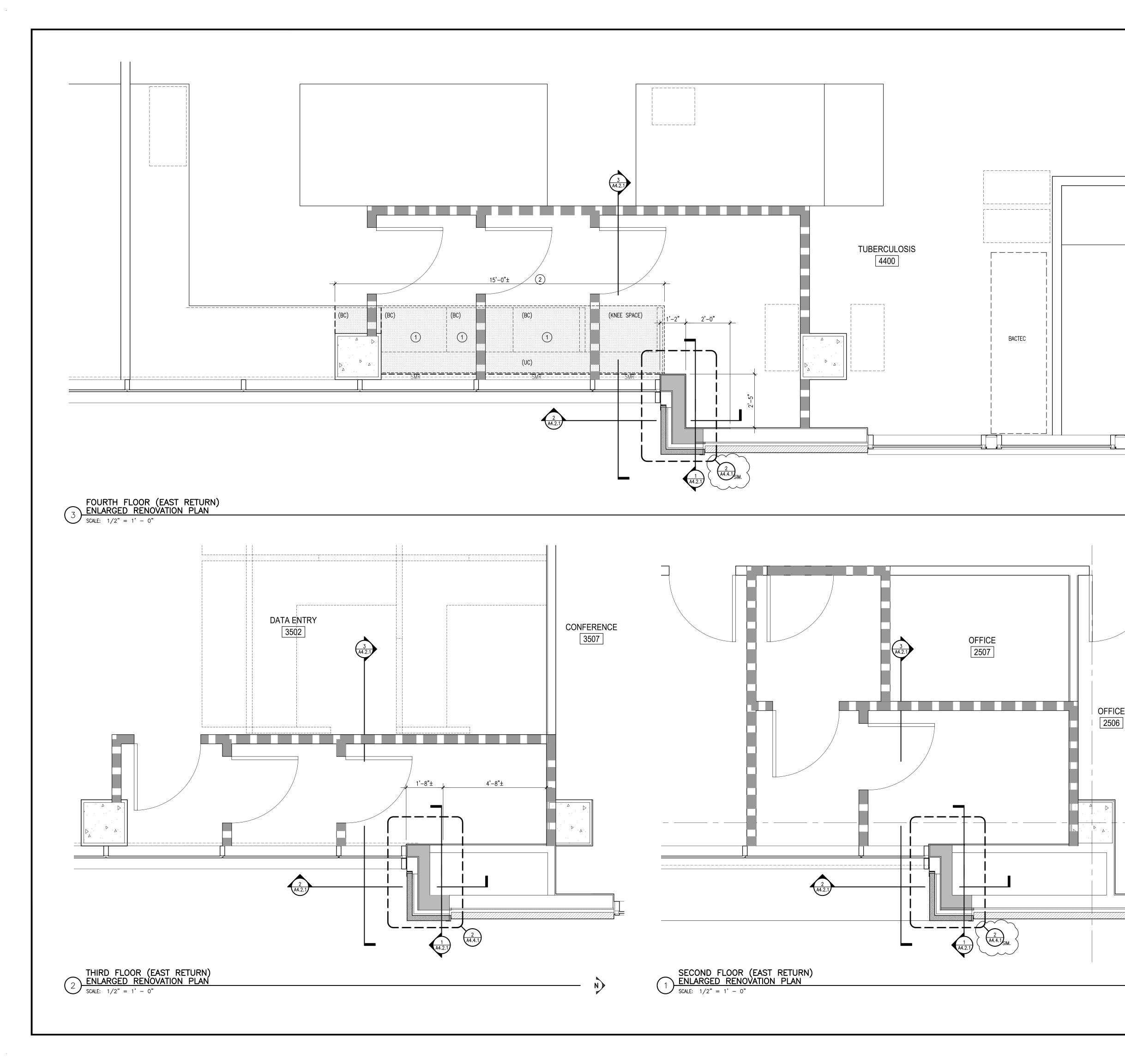
		REVISIONS         BY           10/18/2021
		W F T • A R C H I T E C T S • P. A.A r c h i t e c t u r e • H i s t o r i c P r e s e r v a t i o nA r c h i t e c t u r e • H i s t o r i c P r e s e r v a t i o nC. Lawson Newman, AIAC. Lawson Newman, AIA770 North State StreetJackson, MississippiP.601.352.4691
		GS# 522-052, State Department of Health <b>Thompson Lab PHIII</b> Jackson, Mississippi
A AT SOFFIT		OF MISSING Wesley A, Harp OF MISSING OF MISSING OF MISSING OF MISSING OF MISSING
	ADDENDUM NO - 6 -	OT·30·2021Date:30 JUL 2021Scale:Drawn:Approved:Job:1802Sheet:

## ADDENDUM NO. 6 ATTACHMENT 28

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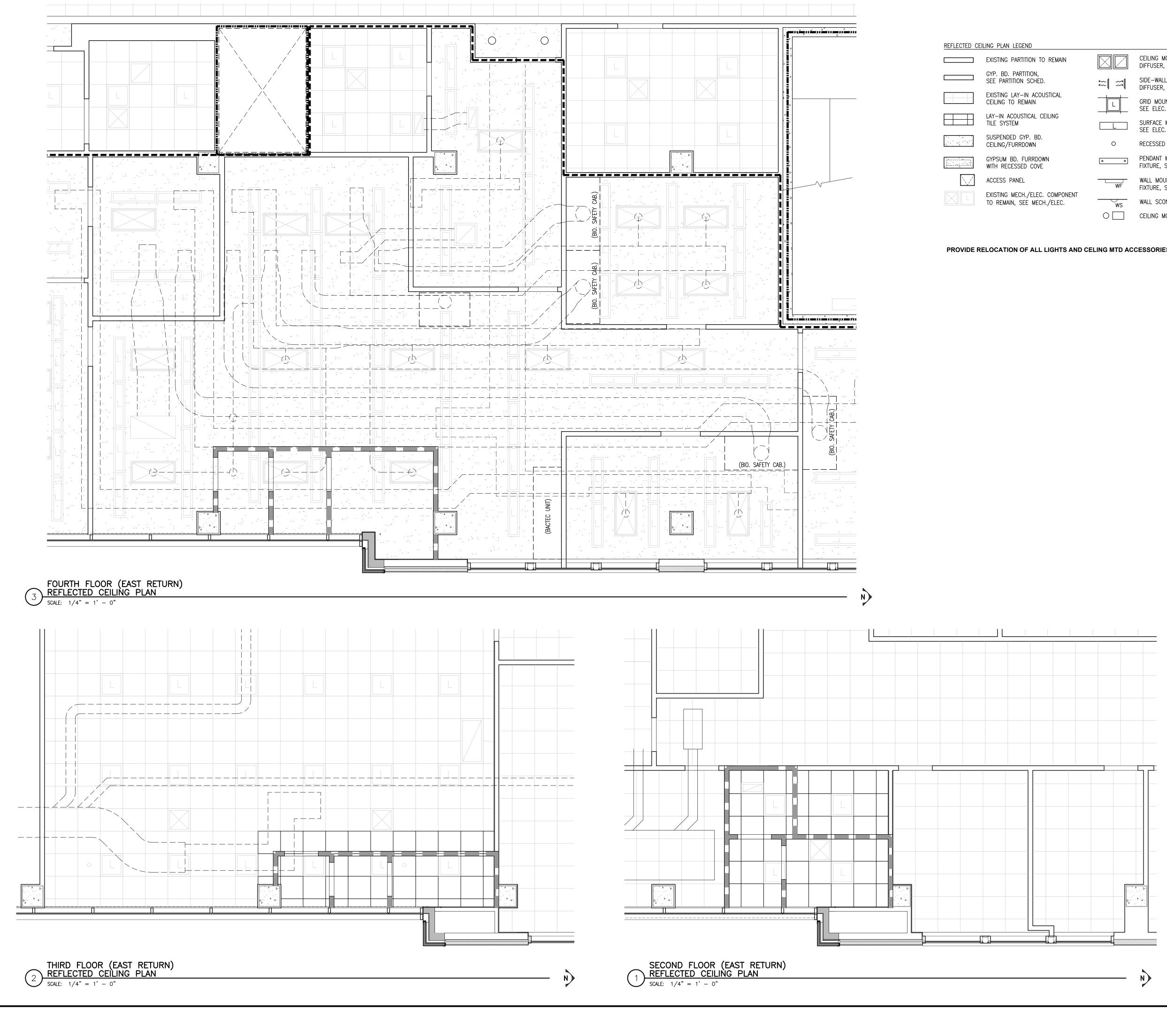
LEGEND		REVISIONS BY
EXISTING WALLS TO REMAIN EXISTING PARTITION OR COMPONEI	METAL CASEWORK BENCH CG1 CORNER GUARD TYPE 1	10/18/2021 ADDENDUM #6
TO BE DEMOLISHED DEMOLISH NOTED MATERIALS.	REMAIN AND BE PROTECTED COMM WALL MTD. COMMUNICATIONS OUTLET	
ELEMENTS, AND/OR SYSTEMŚ WITH OUTLINED AREA REFER TO KEYED DEMOLITION NOTES BELOW.	FE FIRE EXTINGUISHER (WALL BRACKET) FURNITURE/EQUIP. (N.I.C.) FEC FIRE EXTINGUISHER CABINET EP ELECTRICAL PANEL	
PRIMARY TEMP. PARTITION, SEE SHEETS A0.1.1-A0.1.4 SECONDARY TEMP. PARTITION,	SAWCUT EDGE AT EXTENT     IS     IIGHT SWITCH     OF DEMOLITION     RS     ROOM SIGNAGE     WINDOW TYPE – PER SHEET	
SEE SHEETS A0.1.1-A0.1.4		
Gi — A.		A AIA A, AIA )202 ct.com
———— В.		CSP. Ae S e r v a t i o nWesley A. Harp, AIAWisissippiSissippimail@wftarchitect.com
	INSTALLATION OF NEW MATERIALS OR THE CONSTRUCTION OF NEW ELEMENTS, THE CONTRACTOR SHALL DETERMINE THE ACTUAL EXTENT OF DEMOLITION REQUIRED TO ADEQUATELY PREPARE FOR AND INSTALL OR CONSTRUCT SUCH MATERIALS AND	I T E C T S • s t o r i c P r e s e r v <sup>Wesley A</sup> Jackson, Mississippi email: mail@wfta
C.		T S r e s we ississ
	WHERE MATERIAL MUST BE REMOVED FROM WITHIN A LARGER AREA, REMOVE MATERIAL BACK TO EXISTING JOINTS OR INTENTIONAL SEPARATIONS. NEATLY CUT IN STRAIGHT LINES PARALLEL AND/ OR PERPENDICULAR TO EXISTING EDGES AND JOINTS.	c P r c P r n, Mis
D.	CUT THE MATERIAL IN STRAIGHT LINES BEGINNING AND ENDING AT EXISTING FEATURES SUCH AS CORNERS. VERIFY THE LAYOUT OF PROPOSED CUTS WITH THE ARCHITECT	T E o r i kson
E.	PRIOR TO PROCEEDING. THROUGHOUT THE COURSE OF THE WORK, THE CONTRACTOR SHALL ERECT AND MAINTAIN BARRIERS AROUND ALL WORK AREAS THAT COULD POSE A HAZARD TO THE PUBLIC.	H I i s t o Jac
	SUCH BARRIERS SHALL PREVENT DIRECT ACCESS TO THE WORK AREA AND SHALL CONTAIN SIGNAGE WARNING OF THE DANGER ASSOCIATED WITH CROSSING THE BARRIER. SEE SCHEDULING NOTES ON SHT. G002.	
F.		$\begin{array}{c c} \mathbf{A} & \mathbf{R} & \mathbf{C} \\ u & \mathbf{r} & \mathbf{e} \cdot \mathbf{H} \\ & \mathbf{A} \mathbf{IA} \\ & \mathbf{A} \mathbf{IA} \\ \text{te Street} \end{array}$
$\langle \times \rangle$ D	EMOLITION KEYED NOTES	• A e c t u man, AI State
	DEMOLISH BRICK MASONRY VENEER. SAWCUT JOINT AT MASONRY TO REMAIN. COMPLETELY REMOVE WEEP PROTECTION, MASONRY TIES AND THROUGH—WALL FLASHING SYSTEM. PREPARE STL. LINTELS FOR REPAIR, SURFACE PREP. AND COATING. PREPARE EXIST. GYP.	it€ New orth
2	SHEATHING AND FLUID-APPLIED AIR BARRIER FOR INSTALLATION OF GYPSUM SHEATHING. REMOVE ALL GROUT FROM BRICK LEDGE TO FACE OF EXISTING CONCRETE.	T C h Lawson 0 No 01.352.
3	INSTALLATION OF NEW WORK.	W Ar C. La 770 P.601
4	WITH SPECIFIED COATING SYSTEM. CLEAN AND PREPARE SUBSTRATES TO RECEIVE FRAMING AND SHEATHING SYSTEMS.	
	. DEMOLISH ARCHITECTURAL PRECAST CONCRETE CAP OR SILL.	lth
7		Health
8		of I
9 10	. CAREFULLY REMOVE AND EXISTING COLUMN COVER AND PROTECT FOR REINSTALLATION.	
N1	ELECTRICAL DRAWINGS.	artment <b>b PHII</b> ssippi
	CONDITIONS, FULL HEIGHT OF CURTAINWALL. PREPARE SUBSTRATES FOR REPLACEMENT OF MASONRY VENEER AND CURTAINWALL COMPONENTS TO MATCH EXISTING ORIGINAL CONDITION AND ADJACENT CONSTRUCTION.	partm <b>ab Pl</b>
	<ol> <li>CAREFULLY REMOVE BUILDING PLAQUE, SALVAGE AND PROTECT FOR REINSTALLATION.</li> <li>DEMOLISH PORTION OF CONCRETE WALK TO ALLOW REMOVAL OF BRICK MASONRY BELOW. SAWCUT CONCRETE AT EXISTING CONTROL JOINT.</li> </ol>	$\mathbf{I} = \bigcup_{i=1}^{n} \mathbf{I}_{i}$
	4. DEMOLISH METAL STUDS AND GYPSUM SHEATHING TO EXTENT INDICATED. REMOVE ALL DETERIORATED OR DAMAGED SHEATHING TO NEAREST STUD.	
10	WHERE (2) LAYERS OF GYP. BD. OCCUR, STAGGER JOINT BY ONE STUD WIDTH $(\pm 16")$ .	, State mpso
	<ol> <li>EXISTING METAL STUD FRAMING TO REMAIN WHERE SOUND. REPLACE DAMAGED OR SEVERELY RUSTED SECTIONS.</li> <li>DEMOLISH GYP. BOARD ABOVE AND BELOW VISION GLASS AT INTERIOR OF CURTAINWALL.</li> </ol>	52, hon
1	NEATLY CUT JOINT TO ALLOW FOR INSTALLATION OF NEW GYP. BOARD. REMOVE FIBERGLASS BATT INSULATION.	
ICE	BUTT JOINT. 0. REMOVE PROFILED RUBBER BASE TO EXTENT INDICATED, REMOVE FULL SECTIONS OF BASE TO NEXT MITER OR SCARF JT.	52
2 2	<ol> <li>REMOVE INTEGRAL COVE BASE AND SHEET VINYL FLOORING TO EXTENT INDICATED.</li> <li>REMOVE BRAKE METAL CLOSURE AT INTERIOR OF CURTAINWALL.</li> <li>REMOVE LAY-IN CEILING TILE AND GRID WITHIN WORK AREA. AT OCCUPIED SIDE OF</li> </ol>	#S
-	TEMPORARY PARTITION, REMOVE ADDITIONAL PORTION OF CEILING AS REQUIRED TO INSTALL TEMPORARY PARTITION TO DECK AND REINSTALL CEILING TO TEMPORARY PARTITION. SALVAGE AND PROTECT COMPONENTS FOR REINSTALLATION.	5
2	4. REMOVE SUSPENDED GYP. BD. CEILING WITHIN WORK AREA. AT OCCUPIED SIDE OF TEMPORARY PARTITION, REMOVE ADDITIONAL PORTION OF CEILING AS REQUIRED FOR INSTALLATION OF TEMPORARY PARTITION, NEATLY CUT CEILING TO REMAIN AND CONTINUE	SS OFD AND
	GYPSUM BOARD CEILING TO FRAMING MEMBERS AT TEMPORARY PARTITION. SEAL PERIMETER OF CEILING AT TEMPORARY PARTITION AIR-TIGHT. PREPARE SUSPENSION SYSTEM FOR INSTALLATION OF NEW GYPSUM BOARD.	
	5. REMOVE CRASH RAIL, TOP AND BOTTOM INCLUDING COVER AND MOUNTING PLATES. SALVAGE AND PROTECT FOR REINSTALLATION. AT LOCATIONS OF TEMPORARY PARTITIONS, REMOVE FULL SECTIONS OF CRASH RAILS TO ALLOW FOR PARTITION INSTALLATION. AT	
+ ,* ,* 2	GYPSUM BOARD TO BE DEMOLISHED, REMOVE RAILS AND PROVIDE NEW BLOCKING AS REQUIRED WHERE RAILS ARE TO BE REINSTALLED ON NEW FRAMING. 6. REMOVE EPOXY COUNTERTOP AND BACKSPLASH TO CLOSEST EXISTING SEAMS. SALVAGE	OF MISS S
	AND PROTECT FOR REINSTALLATION. 7. REMOVE METAL CASEWORK BASE CABINET OR BASE FRAME. SALVAGE AND PROTECT FOR REINSTALLATION.	07/30/21
	8. REMOVE DOOR STOP, SALVAGE AND PROTECT FOR REINSTALLATION. 9. REMOVE ROOM SIGN, SALVAGE AND PROTECT FOR REINSTALLATION. 0. REMOVE WALL MOUNTED FIRE EXTINGUISHER. RELOCATE TO LAB SIDE OF TEMPORARY	g CL: Wesley, A. Harp → H
3	PARTITION DURING CONSTRUCTION. 1. REMOVE WALL MOUNTED ELECTRICAL DEVICE AS REQUIRED FOR COMPLETION OF ADJACENT WORK, SEE ELEC.	
	2. REMOVE WALL MOUNTED COMMUNICATIONS DEVICE AS REQUIRED FOR COMPLETION OF ADJACENT WORK, SEE ELEC. 3. REMOVE WALL MOUNTED EXIT SIGN, SALVAGE AND PROTECT FOR REINSTALLATION.	0F MISS 55 07.30 · Z · Z 1
3	<ol> <li>REMOVE WALL MOUNTED FIRE ALARM DEVICE, SALVAGE AND PROTECT FOR REINSTALLATION, SEE ELEC.</li> <li>REMOVE PLUG MOULD AS REQUIRED FOR INSTALLATION OF ADJACENT WORK. SEE ELEC.</li> </ol>	Date: 30 JUL 2021
3		Scale:
3.	<ul> <li>REMOVE DOOR OPERATOR REGULATION REGULATION REGULATION, SALVAGE AND PROTECT FOR REINSTALLATION, SEE ELEC.</li> <li>REMOVE INTERCOM, SALVAGE AND PROTECT FOR REINSTALLATION, SEE ELEC.</li> <li>REMOVE EXISTING POWER FAN ALONG WITH METAL CASEWORK. SALVAGE AND PROTECT FOR</li> </ul>	Drawn: Approved:
-	<ul> <li>REMOVE EXISTING POWER FAN ALONG WITH METAL CASEWORK. SALVAGE AND PROTECT FOR REINSTALLATION.</li> <li>REMOVE HOSE BIBB, CAP LINE DURING CONSTRUCTION. SALVAGE FIXTURE AND PROTECT FOR REINSTALLATION, SEE MECH.</li> </ul>	Job: 1802
N)	ADDENDUM NO. 6 -	Sheet:
	ATTACHMENT 29	A4.1.1
		Of Sheets



		REVISIONS BY
		10/18/2021 ADDENDUM #6
	RENOVATION FLOOR PLAN LEGEND         EXISTING PARTITION TO REMAIN         EXISTING EXTERIOR CAVITY WALL WITH BRICK VENEER         NEW INSULATED METAL PANEL SYSTEM ON MITL FRAMING SYSTEM         NEW GYP. BD. PARTITION, SEE PARTITION SCHED.         PRIMARY TEMP. PARTITION, SEE ICRA PLAN SHT AD.1.1-A0.1.4         SECONDARY TEMP. PARTITION, SEE ICRA PLAN SHT AD.1.1-A0.1.4         WETAL CASEWORK BENCH CABINET W/ EPOXY TOP TO REMAIN AND BE PROTECTED         FURE FROM FURE         FURE         FURE     <	W F T • A R C H I T E C T S • P. A.         A r c h i t e c t u r e • H i s t o r i c P r e s e r v a t i o n         C. Lawson Newman, AIA         T70 North State Street       Jackson, Mississippi         P.601.352.4691
	<ul> <li>(•) <u>EVED RENOVATION NOTES:</u></li> <li>1. REINSTALL MTL CASEWORK AT ORIGINAL CONFIGURATION. PROVIDE BLOCKING AS REQUIRED IN EXISTING OR NEW PARTITION TO RECEIVE BASE CABINETS AND CHASE FRAMES.</li> <li>2. REINSTALL EPOXY COUNTERTOP AND BACKSPLASH IN ORIGINAL CONFIGURATION USING EPOXY TOP MANUFACTURER'S RECOMMENDED ADHESME.</li> </ul>	GS# 522-052, State Department of Health <b>Thompson Lab PHIII</b> Jackson, Mississippi
		Charles Avson Charles Avson OF MISS OF MISS OT/30/2/ Wesley A Harp OT - 30 - 2 - 2 I Date: 30 JUL 2021 Scale: Drawn: Approved:
N	ADDENDUM NO. 6 - ATTACHMENT 30	Job: 1802 Sheet: A4.1.2 Of Sheets

Of

Sheets

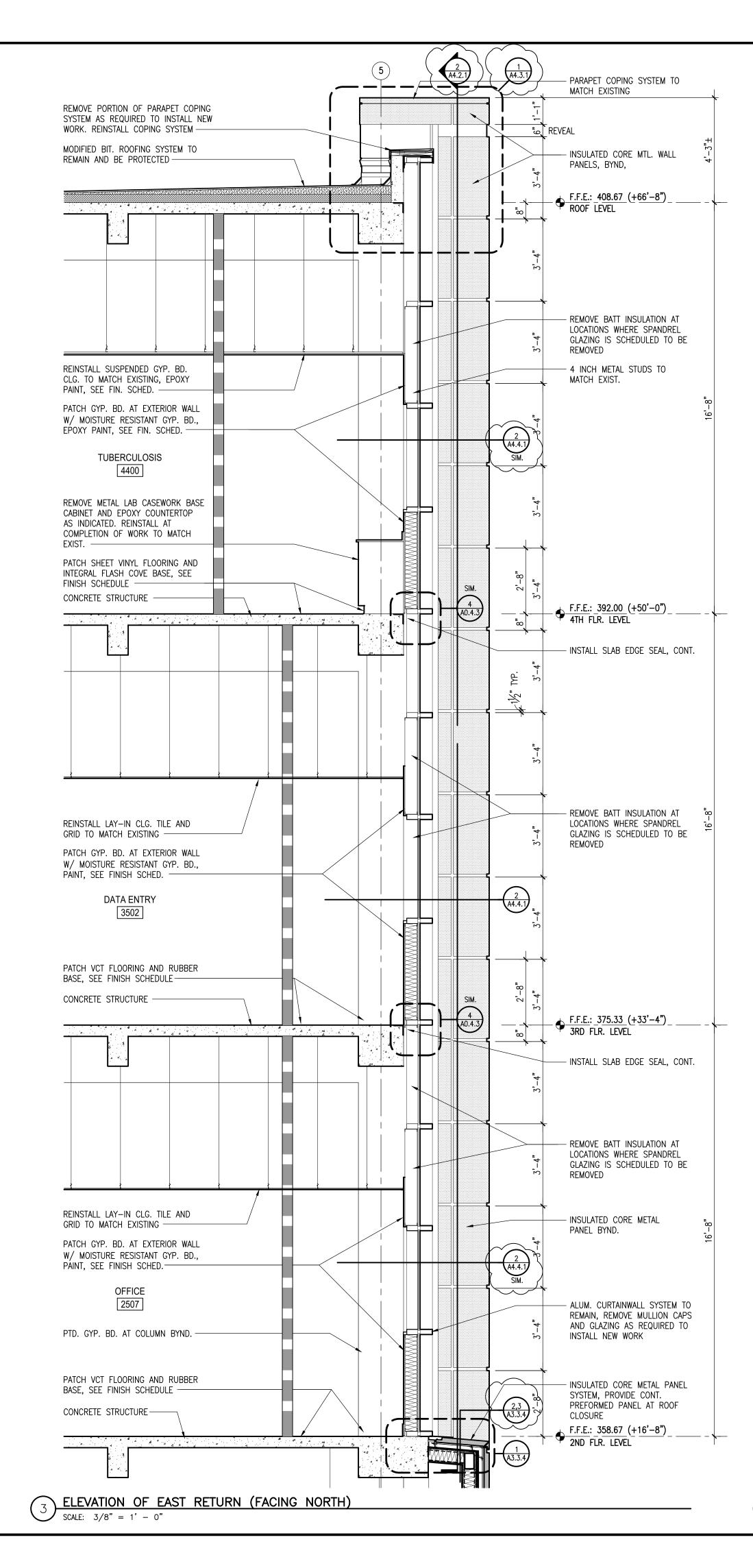


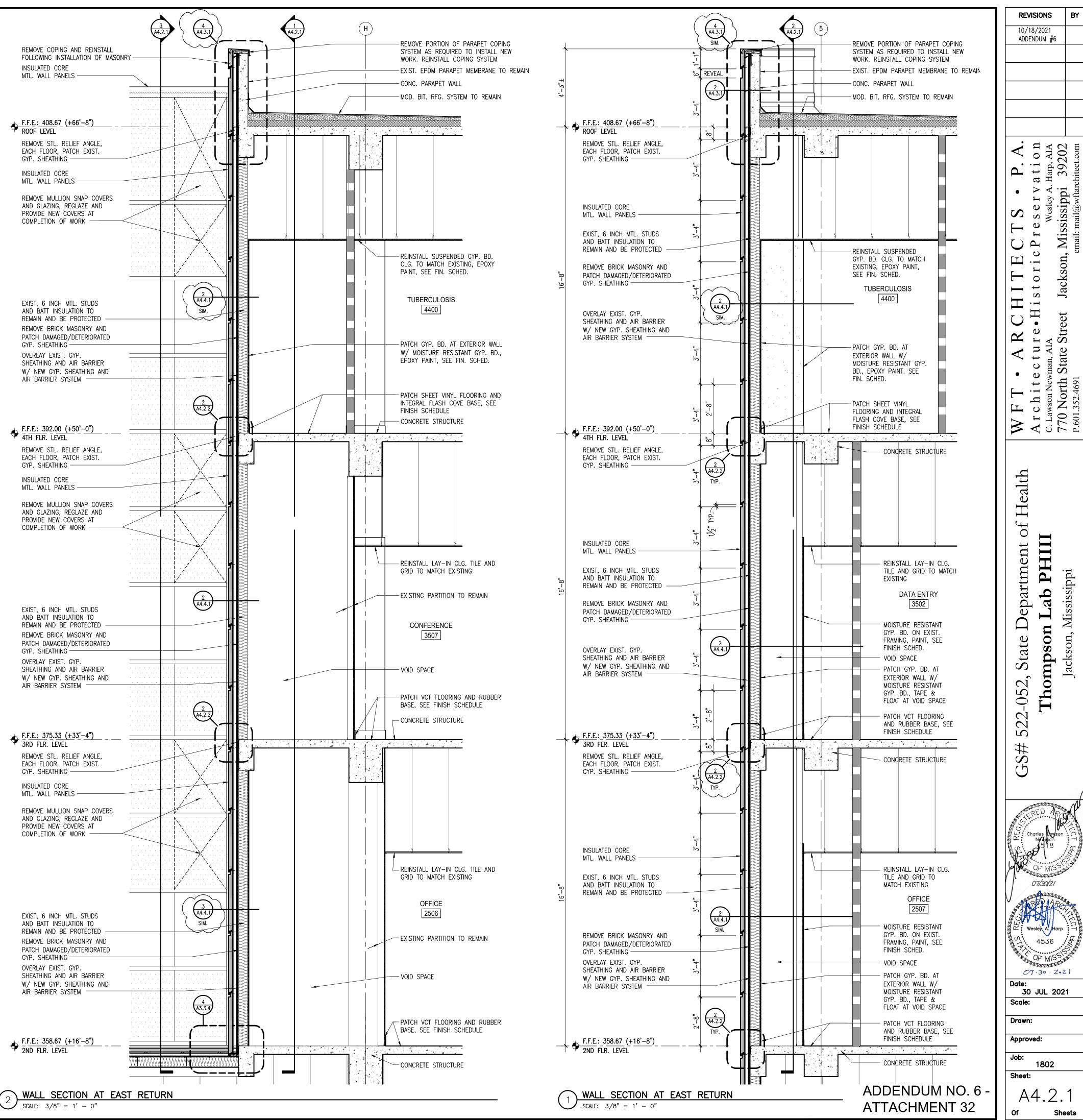
PROVIDE RELOCATION OF ALL LIGHTS AND CELING MTD ACCESSORIES REQURIED WITHIN CONTAINMENT AREA, ANTERROM AND BUFFER ROOM

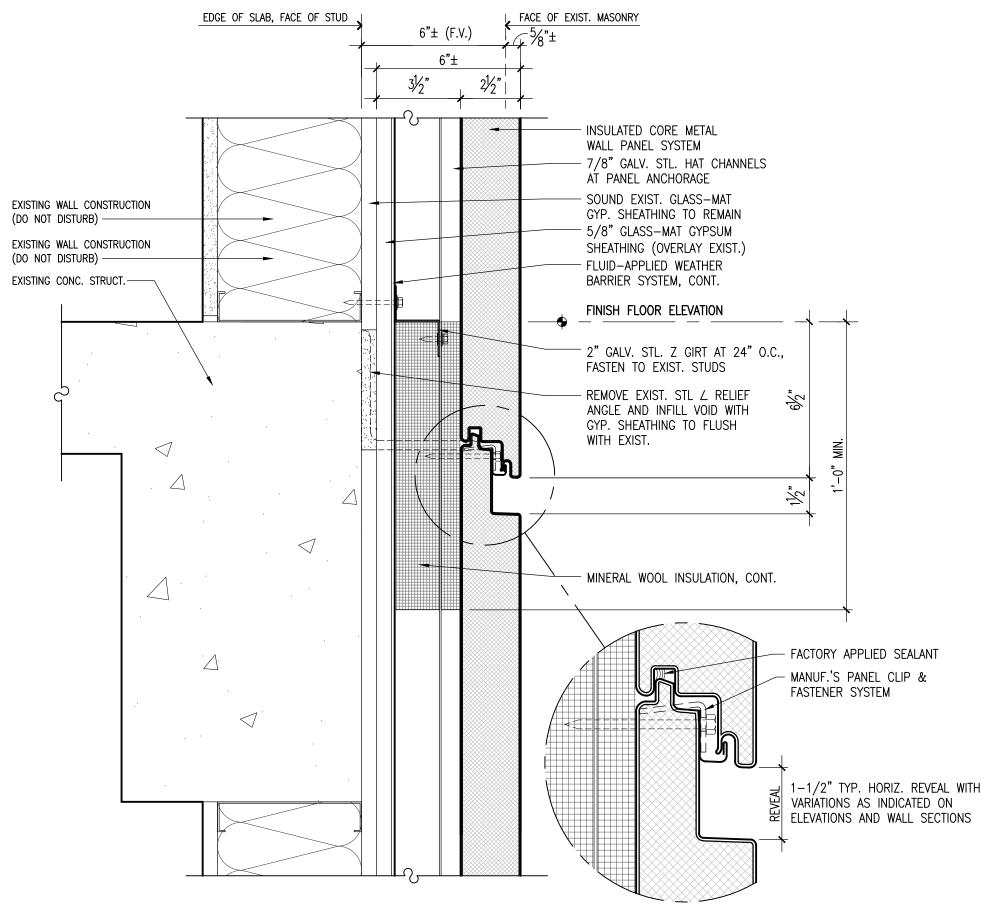
	CEILING MOUNTED SUPPLY/EXHAUST	(8'-0")	EXISTING CEILING HEIGHT, FIELD VERIF
	DIFFUSER, SEE MECH.	7'-6"	NEW CEILING HEIGHT
	SIDE-WALL SUPPLY/EXHAUST DIFFUSER, SEE MECH.	<i>~~~~</i>	2 HOUR RATED FIRE WALL
	GRID MOUNTED LIGHT FIXTURE,		1 HOUR RATED FIRE WALL
	SEE ELEC.		CORRIDOR FIRE WALL
	SURFACE MOUNTED FIXTURE, SEE ELEC.	ון לא מאר לא לא לא איז איז איז איז איז איז איז איז איז אי	BSL-3 CONTAINMENT PERIMETER
0	RECESSED FIXTURE, SEE ELEC.	FA	FIRE ALARM/STROBE
o o	PENDANT MOUNTED DIRECT/INDIRECT	SD	SMOKE DETECTOR
	FIXTURE, SEE ELEC.	SPK	SPEAKER
WF	WALL MOUNTED DIRECT/INDIRECT FIXTURE, SEE ELEC.	SC	SECURITY CAMERA
WS	WALL SCONCE, SEE ELEC.	WCD	WIFI/COMM DEVICE
$\circ \square$	CEILING MOUNTED DEVICE AS SCHEDULED		

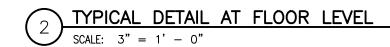
## ADDENDUM NO. 6 -ATTACHMENT 31

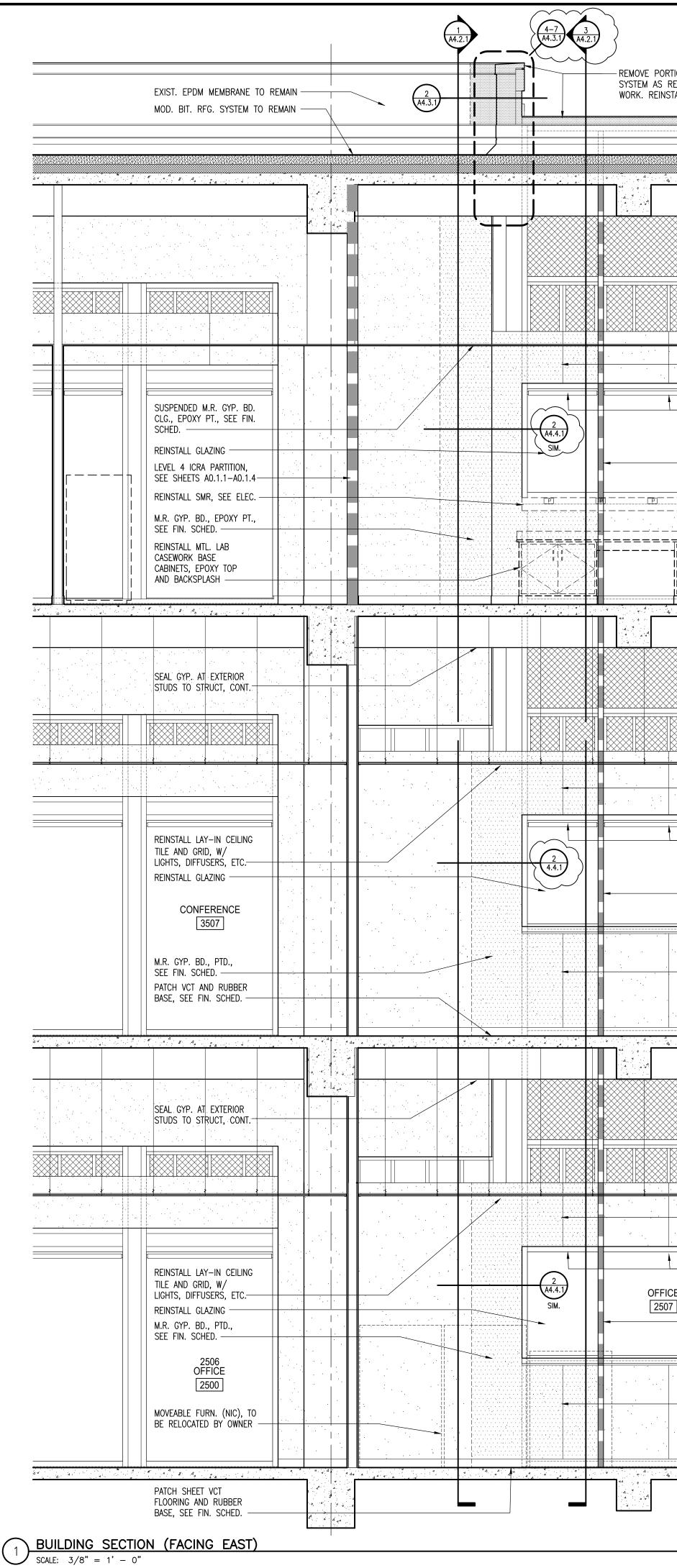
10/	<b>VISIO</b> (18/2) DENDU	021	6	BY
CHITECTS • P.A.	HistoricPreservation	Wesley A. Harp, AIA	et Jackson. Mississippi 39202	email: mail@wftarch
WFT • ARCHI	Architecture•H	C. Lawson Newman, AIA	770 North State Street	P.601.352.4691
GS# 522-052. State Department of Health		I nompson Lab PHIII		Jackson, wussissippi
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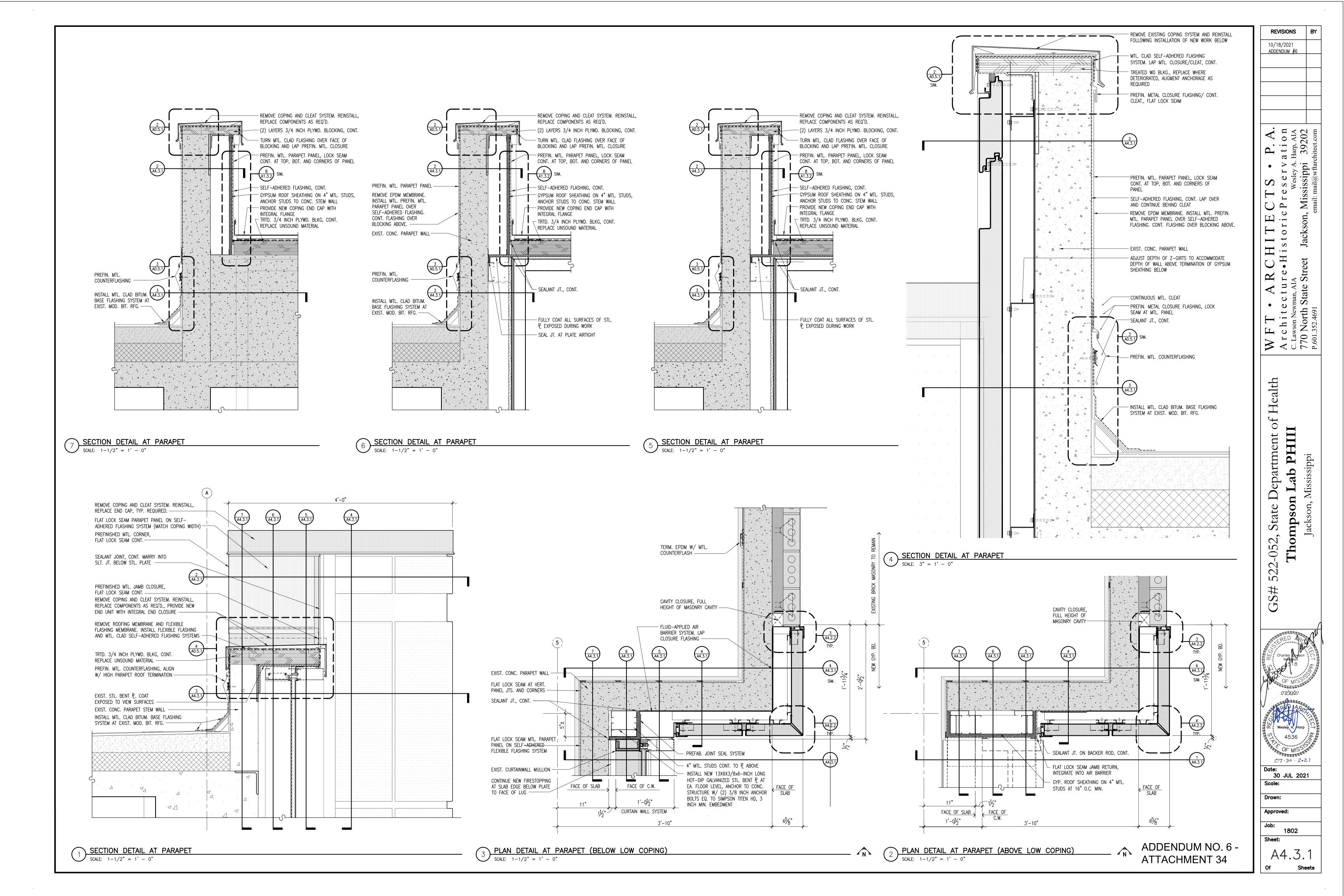


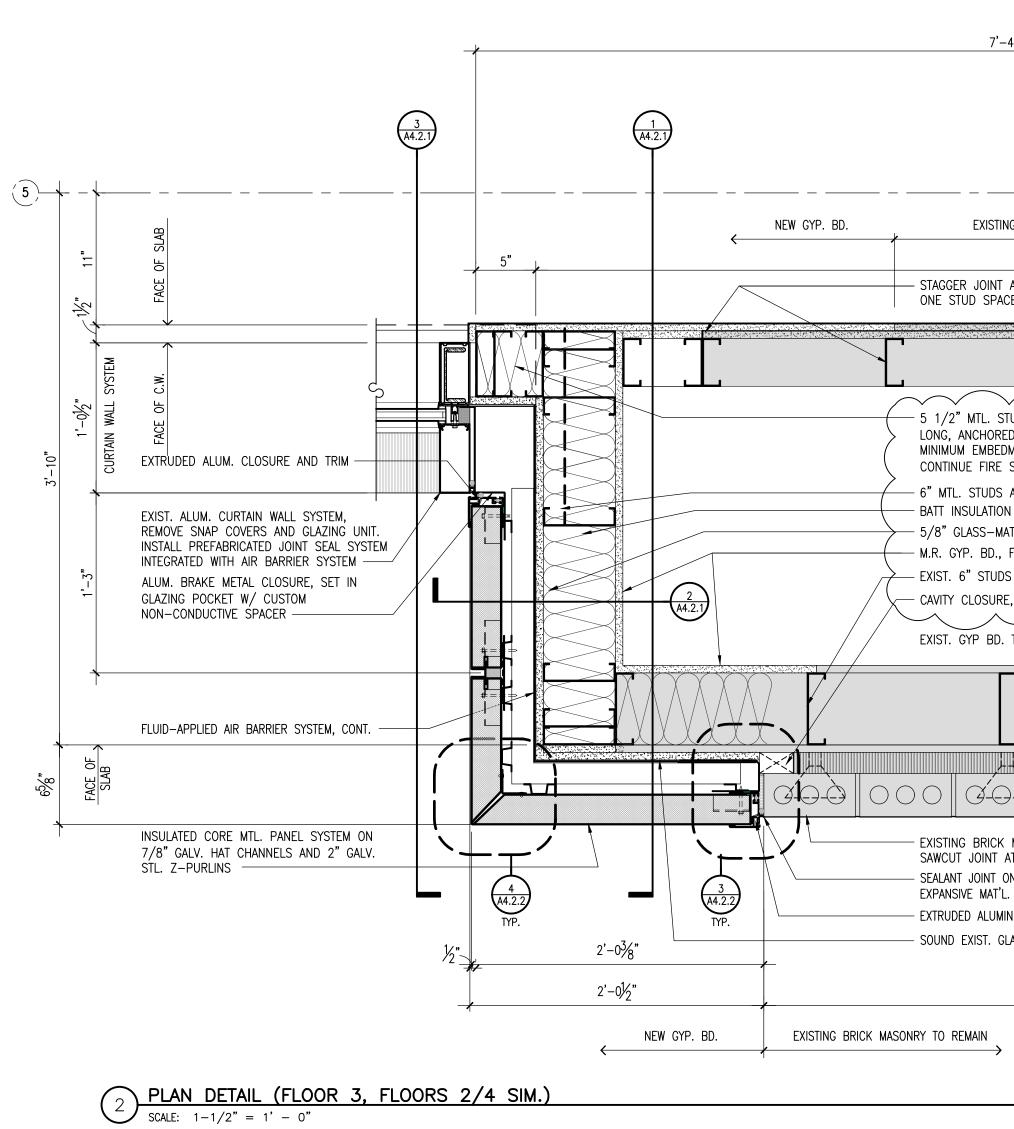
- FACTORY APPLIED SEALANT

1–1/2" TYP. HORIZ. REVEAL WITH VARIATIONS AS INDICATED ON

ORTION OF PARAPET COPING S REQUIRED TO INSTALL NEW INSTALL COPING SYSTEM		REVISIONS         BY           10/18/2021
	GYP. BD. REVEAL TO MATCH EXISTING	I T E C T S • P. A t o r i c P r e s e r v a t i o n <sup>Wesley A. Harp, AIA</sup> ackson, Mississippi 39202 email: mail@wftarchitect.com
Image: Constraint of the second state of the second sta	REMOVE, PROTECT, AND REINSTALL WINDOW TREATMENTS IN WORK AREA LEVEL 4 ICRA PARTITION, SEE SHEETS A0.1.1- A0.1.4	R C H c e • H i s Street J
		W F T • A A r c h i t e c t u 1 C. Lawson Newman, AIA 770 North State S P.601.352.4691
	GYP. BD. REVEAL TO MATCH EXISTING	bartment of Health <b>ab PHIII</b> issippi
DATA ENTRY 3502	REMOVE, PROTECT, AND REINSTALL WINDOW TREATMENTS IN WORK AREA LEVEL 4 ICRA PARTITION, SEE SHEETS A0.1.1– A0.1.4	)ep La
	GYP. BD. REVEAL TO MATCH EXISTING	52
	LEVEL 4. ICRA PARTITION EXTEND TO DECK ABOVE EXIST PARTITION	#SB RED Apon IECT SC Charles Avson Notan SC St
FICE OFFICE 2508	GYP. BD. REVEAL TO MATCH EXISTING         REMOVE, PROTECT, AND         REINSTALL WINDOW         TREATMENTS IN WORK         AREA         LEVEL 4 ICRA PARTITION,         SEE SHEETS A0.1.1-         A0.1.4	OF MISS 07/30/21 Wesley A. Harp OF MISS OF MISS
	GYP. BD. REVEAL TO MATCH EXISTING	OT · 3º · 2º21 Date: 30 JUL 2021 Scale: Drawn: Approved:
	ADDENDUM NO. 6 - ATTACHMENT 33	Job: 1802 Sheet: A4.2.2 Of Sheets

770 North P.601.352.4691 ppi Mis Jackson, ALLEC. Hallon 21 2 Sheets | Ut





7'−4" STING GYP. BD. 6'−11" NT AT EXIST. GYP. BD. ACROSS PACE, MINIMUM			
STUDS, SET ON GALV. CLIP ANGLE. GALVANIZED CLIP ANGLE SHALL DRED TO CONCRETE STRUCTURE WITH TWO (2) 3/8 INCH SIMPSON BEDMENT. ANGLES SHALL BE INSTALLED ON EACH FLOOR TO SUPPO RE SAFING AND SMOKE SEAL BELOW PER SIM. TO 3, 4/A1.4.1 DS AT 16" O.C. TION CONT. BETWEEN STUDS MAT GYP. SHEATHING, CONT. D., FULL HEIGHT JDS TO REMAIN, AUGMENT TO PROVIDE DOUBLE STUD, FULL HEIGHT JRE, FULL HT. OF CAVITY	TITEN HD ANCHORS W/ 3" ORT METAL STUD FRAMING.		ې ب
ND. TO REMAIN 7			
	ý	(). (). (). (). (). (). (). (). (). ().	
CK MASONRY TO REMAIN, T AT NEW TERMINATION T ON BACKER ROD AND T'L. FULL DEPTH OF HEAD JOINT JMINUM CLOSURE AND TRIM GLASS-MAT GYP. SHEATHING TO REMAIN			
5'-4" (FIELD VERIFY)		   #-	
→		<b>1</b> )	•
			N)

I T E C T S • P. A. i t o r i c P r e s e r v a t i o n Wesley A. Harp, AIA ackson, Mississippi 39202 email: mail@wftarchitect.com
WFT • ARCHIT Architecture.Histor C.Lawson Newman, AIA 770 North State Street Jackso P.601.352.4691
GS# 522-052, State Department of Health <b>Thompson Lab PHIII</b> Jackson, Mississippi
6 -

## ADDENDUM NO. 6 ATTACHMENT 35

