

ADDENDUM NO. 2

DISTRIBUTION:

x OWNER
x ARCHITECT
x CONTRACTOR
FIELD
OTHER

City of Chattanooga
Elemi Architects, LLC
Prospective Bidder List

Via: e-MAIL

PROJECT:
#R-17-002-201
MIDDLE STREET OFFICE RENOVATION
City of Chattanooga Parks Department

ADDENDUM NUMBER: 2

TO CONTRACTOR(s)
Full Prospective Bidders List (included)

DATE: 10.02.17

ARCHITECTS PROJECT #: 01706

CONTRACT FOR: General Construction

THE CONTRACT DOCUMENTS ARE HEREBY CHANGED BY **ADDENDUM NUMBER** 2 AS FOLLOWS:

A) MODIFICATIONS TO PREVIOUS ADDENDA:
NOT USED

B) CLARIFICATIONS:

1. QUESTION: "What is the door material and finish?"
a. ANSWER: Painted hollow metal doors to match existing. Ref. A8-0.
2. QUESTION: "Who is required to provide and install fire alarm?"
a. ANSWER: Fire alarm is not required.
3. QUESTION: "When is the best time for construction?"
a. ANSWER: Construction may occur during office hours. (Anytime from 7:00 AM. To 5:00 PM). See Section 01010, Summary of Work. However, there is limit for number of vehicles.
4. QUESTION: "is the days and times allotted for contractors to visit the site?"
a. ANSWER: A site visit is scheduled for Wednesday, October 4th from 1:00 pm – 3:00 pm.
5. QUESTION: "Who is required to pay electric and water?"
a. ANSWER: City will cover the cost of electric and water.
6. QUESTION: "Would there be an ADA sign on both the bathroom door and the wall, or is there a specific design it should have?"
a. ANSWER: Sign should match existing.

7. QUESTION: "As per sheet A1-0 in the keyed notes, note #3 States to provide alternate estimate for providing 5/8" drywall at the interior of the existing storage area- At what height does the drywall stop and how is it to be terminated?"
 - a. ANSWER: [Drywall would terminate at 11'-7" top of wall with an 'L' Bead, wall to level 4 finish for painting and receive rubber base.](#)
8. QUESTION: "The existing block common wall that separates the existing offices and the existing warehouse has no finishes. Do we need to scrape/clean and paint the block walls?"
 - a. ANSWER: [Yes, they are to be brought up to a level 4 finish and to receive paint and rubber base.](#)
9. QUESTION: "Soffit ceiling height at existing common wall between storage and existing office area – soffit will be required or the conduits moved."
 - a. ANSWER: [Please see REF. 2/ A4-0 for detail drawings.](#)
10. QUESTION: "The existing block common wall that separates the existing offices and the existing warehouse has no finishes. Do we need to scrape/clean and paint the block walls?"
 - a. ANSWER: [Yes, please see keyed notes REF A1-0. Clean and Install metal furring strip to existing block wall. Wall needs to be brought up to level 4 finish \(Match existing and provide rubber base\)](#)
11. QUESTION: "The scope of work shall consist of two separate operations." Is this project to be phased?"
 - a. ANSWER: [Yes, the two phases divided into demolition and new construction phase.](#)
12. QUESTION: "There is some masonry patching please provide specification/type of brick."
 - a. ANSWER: [Please match the existing brick wall.](#)
13. QUESTION: "Per the project specification manual Division 08 part 85113 Aluminum windows. Is this to be a storefront type window?"
 - a. ANSWER: [Yes, it is storefront to match existing but non-insulated glass.](#)
14. QUESTION: "Reference Sheet 5-0 Enlarged Plans – Exterior Walls at Office 110, Assistant Director 109, & Break Room 106 don't show partition type – drywall is needed. Also, how do you want to handle the Metal Building Columns"
 - a. ANSWER: [Please see 1/ A-0 or updated 1 /A5-0 for partition type. And encase the metal columns with gyp. Board to match existing level 4 finish.](#)
15. QUESTION: "Fire Extinguishers are not shown on the life safety plan – please advise as to type and location(s)."
 - a. ANSWER: [Please see LS1-1 for the location.](#)
16. QUESTION: "As per the Project Specifications: General Conditions Section 01010 Summary of Work Part 1.2 (D) mentions a scope of work consisting of a full depth reclamation of designated streets. Is this correct? Any site or Road Work involved? Please advise"
 - a. ANSWER: [There's no site work or road work involved.](#)
17. QUESTION: "Referring to the drawing sheet T0-3 Partition types there is no gage for the metal studs called out and it is not addressed in the specs. What gage is to be used? Please advise"
 - a. ANSWER: [Please see specification section 05 4000.](#)
18. QUESTION: "At exterior of the existing restroom there is a Hose Bibb not shown on the plumbing drawings it will need to be relocated. Please detail. See Photo Below"
 - a. ANSWER: [Please see 1/P2-1 for the new location.](#)
19. QUESTION: "Space Heater is moving around 50 feet this will require patching the existing vent and flashing in the new penetration – please provide detail and any warranty information if it applies."
 - a. ANSWER: [Please see 1/P2-1 for detail for new penetration and specification 01730 for guarantees and warranties.](#)

C) MODIFICATIONS TO PROJECT MANUAL:

Table of Contents Page 01 0100 Summary of Work – has been modified as follows:
-Changed work hours to be 7:00 AM – 5:00 PM.

Table of Contents Page 05 4000 Cold-Formed Metal Framing – has been modified as follows:
- Added to the specification book

Table of Contents Page 06 3530 Residential Casework – has been modified as follows: - Added to the specification book.

Table of Contents Page 08 7100 Door Hardware – has been modified as follows: - Individually keyed offices with one master key.

Table of Contents Page 08 8000 Glazing – has been modified as follows:
- Added to the list of table of contents.

D) MODIFICATIONS TO DRAWINGS:

SHEET A-1-0 has been modified as follows:
Keyed notes has been added.

SHEET A-8-0 has been modified as follows:
Finish schedule, door schedule and door elevations has been modified.

SHEET A-1-0 and A-5-0 has been modified as follows:
Ships ladder to storage space has been added.

Attached Documents:

Specification Table of Contents p. 00 0110 – 2
Sheet T0-1
Sheet T0-3
Sheet LS1-1
Sheet A1-0
Sheet A3-0
Sheet A4-0
Sheet A5-0
Sheet A6-0
Sheet A8-0

Receipt and review of this Addendum MUST be acknowledged on all submitted bid forms.

END OF ADDENDUM NO. 2

ACKNOWLEDGMENT

I acknowledge receipt of ADDENDUM NO. 2 to the Invitation to Bid (IFB) for IDIQ INDEFINITE DELIVERY/INDEFINITE QUANTITY FOR GENERAL CONTRACTORS SERVICES FOR MIDDLE STREET OFFICE RENOVATION.

(Signed)

(Company)

(Date)

QUALIFIED BIDS MUST INCLUDE THIS FORM WITH THE SEALED BID.

SECTION 01010
SUMMARY OF WORK

PART 1 – GENERAL

1.1 Section Includes

- A. Description of Work
- B. Items regulating the execution of the Work

1.2 Description of the Work

- A. The work covered by this Contract consists of :

The renovation of the existing 1503 Middle Street Office for the City Park Department. The scope shall include approximately 4,350 square foot of part of the existing warehouse space to be built out as new offices, break/lounge area, and restroom. Also to include a new mechanical system, electrical, and plumbing.

- B. The City Engineer reserves the right to substitute, add, delete, increase, decrease in any form or fashion as necessary the scope of work under the provisions of this Contract, including the projects noted above.
- C. This project shall be assigned a unique project number by the Engineer. The Contractor shall execute this project in complete compliance with the requirements of this contract. All records of the Contractor shall conspicuously identify them to be associated with the unique project number assigned by the Engineer.
- D. The work covered under this project shall consist of furnishing all materials, equipment and labor for the full depth reclamation of designated streets including but not limited to mobilization, parking sign placement, public notification, placement of traffic control devices per MUTCD, cleaning and conditioning of the roadways, repair of base failures as needed, the adjustment of sanitary manholes and other publicly owned structures as required, milling as directed, cement and water addition, grading, compaction, saw cutting and installation of traffic signal loop wires where required and placement of temporary and permanent pavement markings as required.
- E. The Engineer shall provide a set of standard City details, as needed, which shall be applicable to this project. The Contractor shall be called in for a Pre-Construction meeting at which time the Engineer shall issue notice to proceed. The Contractor shall have ten (10) days or an agreed to start date to start construction.

1.3 Items regulating the Execution of the Work.

A. Attention to Work

For this project, the Contractor shall give his personal attention to and shall supervise the work to the end that it shall be prosecuted faithfully; and, when he is not personally present on the work, he shall at all times be represented by a competent superintendent or foreman who shall be present at the work and who shall receive and obey all instruction or orders given under this Contract, and who shall have full authority to execute the same, and to supply materials, tools and labor without delay, and who shall be the legal representative of the Contractor. The Contractor shall be liable for the faithful observance of any instructions delivered to him or to his authorized representatives.

B. Access to Work

The Contractor shall at all times provide proper facilities for access and inspection of the work by representatives of the Owner and of such official Governmental agencies as may be designated by the Owner as having jurisdictional rights to inspect the work.

C. No Parking Signs

The Contractor shall place “NO PARKING” signs 48 hours prior to beginning work at a project location. The Contractor shall notify the City’s designated Inspector/ Project Manager when the signs have been placed and if vehicles have not been moved at such time as work is scheduled to begin. No additional cost shall be paid to the Contractor while the Owner is making arrangements to get the vehicle moved or towed.

D. Work on State Highway

Where the work on this project encroaches upon the right-of-way of any State or Interstate Highway right-of-way, the owner will execute a contract with proper authorities for the proposed work.

The Contractor shall notify the proper authorities prior to entering upon such right-of-way and shall be responsible for all damage and for satisfying the requirements of these authorities.

E. Work on Private Property

Where the work on this project encroaches upon private property, the Owner shall provide easements and/or right-of-entry in or onto said property. Work performed in such easements is subject to the provisions of the easement agreement on file with the City of Chattanooga Engineering Department.

The Contractor shall be responsible for obtaining any additional agreements which may be deemed necessary for the storage of equipment or materials outside of public easements or rights of ways for this project. The Contractor shall obtain a written agreement between the Contractor and Land Owner and forward it to the Engineer prior to use of said property.

The Contractor shall be responsible for the preservation of and shall use every precaution to prevent damage to all trees, shrubbery, fences, culverts, mailboxes,

bridges, pavements, driveways, sidewalks, houses or building and all water, sewer, gas, telephone and electric lines thereto and all other private and public property along or adjacent to the work.

Any damage that occurs will be restored to a like condition as existed prior to construction, in the Contract Documents, unless otherwise indicated or specified.

Forty-eight (48) hours prior to construction on any easement or streets the Contractor shall notify in writing the affected property owners in the area. This notification shall include the Contractor's name and the name and phone number of the contact person.

F. Monthly Job Site Meetings

Once a month, on a date mutually agreed upon by the Contractor and the Engineer, a job site meeting shall be held for review of the Project, including, but not limited to: The construction schedule, traffic control, pending submittals, and any other issues that may arise. This meeting shall be used to review the contractor's monthly applications for payment.

G. Contract Working Hours

All work shall be performed during regular working hours unless mutually agreed upon and approved in writing by the City Engineer. The Contractor will not permit overtime work or the performance of work on Sunday or any legal holiday without the Owner's written consent given after prior 24 hour written notice to the Engineer. Saturday work shall also require prior 24 hour written notice. Regular working hours are Monday through Saturday from 7:00 A.M. to 5:00 P.M. The actual costs of the Owner's and Engineer's inspection of the work performed outside of regular working hours will be billed to the Contractor and deducted from the Contractor's application for payment as they occur.

END OF DOCUMENT

SECTION 05 4000
COLD-FORMED METAL FRAMING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Formed steel stud interior wall framing.
- B. Exterior wall sheathing.

1.02 RELATED REQUIREMENTS

- A. Section 09 2116 - Gypsum Board Assemblies: Lightweight, non-load bearing metal stud framing.
- B. Section 09 5100 - Acoustical Ceilings: Ceiling suspension system.

1.03 REFERENCE STANDARDS

- A. AISI S100-12 - North American Specification for the Design of Cold-Formed Steel Structural Members; American Iron and Steel Institute; 2012.
- B. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2016a.
- C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2015.
- D. ASTM A1008/A1008M - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable; 2016.
- E. ASTM C955 - Standard Specification for Load-Bearing (Transverse and Axial) Steel Studs, Runners (Tracks), and Bracing or Bridging for Screw Application of Gypsum Panel Products and Metal Plaster Bases; 2015.
- F. ASTM C1007 - Standard Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories; 2011a (Reapproved 2015).
- G. ASTM C1289 - Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board; 2016.
- H. ASTM C1396/C1396M - Standard Specification for Gypsum Board; 2014a.

1.04 ADMINISTRATIVE REQUIREMENTS

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

1.05 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on standard framing members; describe materials and finish, product criteria, limitations.
- C. Manufacturer's Installation Instructions: Indicate special procedures, conditions requiring special attention, and _____.

1.06 QUALITY ASSURANCE

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

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Metal Framing:
 - 1. CEMCO: www.cemcosteel.com.
 - 2. ClarkDietrich Building Systems; _____: www.clarkdietrich.com.

3. Marino: www.marinoware.com.
 4. The Steel Network, Inc: www.SteelNetwork.com.
 5. Substitutions: See Section 01 6000 - Product Requirements.
- B. Framing Connectors and Accessories:
1. Same manufacturer as metal framing.
 2. Substitutions: See Section 01 6000 - Product Requirements.

2.02 FRAMING SYSTEM

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

2.03 FRAMING MATERIALS

- A. Studs and Track: ASTM C955; studs formed to channel, "C", or "Sigma" shape with punched web; U-shaped track in matching nominal width and compatible height.
1. Gage and Depth: As required to meet specified performance levels.
- B. Framing Connectors: Factory-made, formed steel sheet.
1. Material: ASTM A653/A653M SS Grade 33 and 40 (minimum), with G90/Z275 hot dipped galvanized coating for base metal thickness less than 10 gage, 0.1345 inch (3.42 mm), and factory punched holes and slots.
 2. Structural Performance: Maintain load and movement capacity required by applicable code, when evaluated in accordance with AISI S100-12.
 3. Fixed Connections: Provide non-movement connections for tie-down to foundation, floor-to-floor tie-down, roof-to-wall tie-down, joist hangers, gusset plates, and stiffeners.

2.04 WALL SHEATHING

2.05 FASTENERS

- A. Self-Drilling, Self-Tapping Screws, Bolts, Nuts and Washers: Hot dip galvanized per ASTM A153/A153M.
- B. Anchorage Devices: Powder actuated.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that substrate surfaces are ready to receive work.
- B. Verify field measurements and adjust installation as required.

3.02 INSTALLATION OF STUDS

- A. Install components in accordance with manufacturers' instructions and ASTM C1007 requirements.
- B. Align floor and ceiling tracks; locate to wall layout. Secure in place with fasteners at maximum 24 inches (600 mm) on center. Coordinate installation of sealant with floor and ceiling tracks.

3.03 WALL SHEATHING

- A. Wall Sheathing: Secure with long dimension perpendicular to wall studs, with ends over firm bearing and staggered, using self-tapping screws.

END OF SECTION

SECTION 06 3530
RESIDENTIAL CASEWORK

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Kitchen cabinets.
- B. Kitchen countertops.
- C. Casework hardware.

1.02 REFERENCE STANDARDS

- A. BHMA A156.9 - American National Standard for Cabinet Hardware; 2015.
- B. KCMA A161.1 - Performance and Construction Standard for Kitchen and Vanity Cabinets; 2012.
- C. ANSI/HPMA HP - Hardwood and Decorative Plywood, 1983
- D. US Product Standard PS 1-83 - Softwood Plywood, Construction and Industrial.
- E. Pressure Treated Lumber: AWP Standard C2 - Lumber, Timbers, Bridge Ties and Mine Ties - Preservative Treatment by Pressure Process, 1992.
- F. Plastic Laminate Countertops: ANSI A161.2 - Performance Standards for Fabricated High Pressure Decorative Lamininate Countertops.
- G. Plastic Laminate: NEMA Standards Publication No. LD 3 - High Pressure Decorative Laminates, 1991.
- H. KCMA (DIR) - Directory of Certified Cabinet Manufacturers; current edition, online.

1.03 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide component dimensions and construction details.
- C. Shop Drawings: Indicate casework locations, large scale plans, elevations, clearances required, rough-in and anchor placement dimensions and tolerances, and _____.

1.04 QUALITY ASSURANCE

- A. Products: Complying with KCMA A161.1 and KCMA Certified.
- B. All plywood construction. No flake or particleboard allowed.
- C. Toe-kicks made of pressure treated lumber ONLY - No substitutions.
- D. Heavy -Duty Construction.
- E. Manufacturer: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Residential Casework:
 - 1. Kraftmaid Cabinetry, Inc; ____: www.kraftmaid.com.
 - 2. Wellborn Cabinet, Inc; ____: www.wellborn.com.
 - 3. Architectural Surfaces, LLC:www.architecturalsurfaces.com
 - 4. Substitutions: See Section 01 6000 - Product Requirements.

2.02 COMPONENTS

- A. Cabinet Construction: Softwood lumber framing and particle board, tempered hardboard gables.
- B. Kitchen Countertop: Post formed plastic laminate over particle board, coved to back splash.
- C. Door and Drawer Fronts: Solid wood.

2.03 HARDWARE

- A. Shelf Brackets: Vertical chrome steel standards with chrome steel arms.
- B. Drawer and Door Pulls: Chrome wire pulls, 4 inches (102 mm) wide.
- C. Sliding Door Pulls: Recessed steel circular design.
- D. Catches: Magnetic.
- E. Drawer Slides: Extension arms, steel construction.
- F. Hinges: Offset pin.
- G. Sliding Door Track Assemblies: Nylon track with solid bearing followers.

2.04 FABRICATION

- A. Shop assemble casework for delivery to site in units easily handled and to permit passage through building openings.
- B. Fabricate corners and joints without gaps or inaccessible spaces or areas where dirt or moisture could accumulate.

2.05 FINISHES

- A. Exposed To View Surfaces: Plastic laminate of _____ color and _____ pattern as selected.
- B. Interior Surfaces: Plastic Laminate of _____ color .

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify adequacy of support framing.

3.02 INSTALLATION

- A. Install casework, components and accessories in accordance with manufacturer's instructions.
- B. Use anchoring devices to suit conditions and substrate materials encountered.
- C. Set casework items plumb and square, securely anchored to building structure.
- D. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch (1 mm). Use filler strips; not additional overlay trim for this purpose.

3.03 ADJUSTING

- A. Adjust doors, drawers, hardware, fixtures, and other moving or operating parts to function smoothly.

3.04 CLEANING

- A. Clean casework, countertops, shelves, and hardware.

3.05 PROTECTION

- A. Do not permit finished casework to be exposed to continued construction activity.

END OF SECTION

SECTION 087100 – DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes commercial door hardware for the following:
 - 1. Swinging doors.
 - 2. Other doors to the extent indicated.
- B. Door hardware includes, but is not necessarily limited to, the following:
 - 1. Mechanical door hardware.
 - 2. Cylinders specified for doors in other sections.
- C. Related Sections:
 - 1. Division 06 Section "Rough Carpentry".
 - 2. Division 06 Section "Finish Carpentry".
 - 3. Division 08 Section "Operations and Maintenance".
 - 4. Division 08 Section "Door Schedule".
 - 5. Division 08 Section "Door Hardware Schedule".
 - 6. Division 08 Section "Hollow Metal Doors and Frames".
 - 7. Division 08 Section "Flush Wood Doors".
- D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
 - 1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
 - 2. ICC/IBC - International Building Code.
 - 3. NFPA 70 - National Electrical Code.
 - 4. NFPA 80 - Fire Doors and Windows.
 - 5. NFPA 101 - Life Safety Code.
 - 6. NFPA 105 - Installation of Smoke Door Assemblies.
 - 7. State Building Codes, Local Amendments.
- E. Standards: All hardware specified herein shall comply with the following industry standards:
 - 1. ANSI/BHMA Certified Product Standards - A156 Series

2. UL10C – Positive Pressure Fire Tests of Door Assemblies

1.3 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
 - 1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
 - 2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
 - 3. Content: Include the following information:
 - a. Type, style, function, size, label, hand, and finish of each door hardware item.
 - b. Manufacturer of each item.
 - c. Fastenings and other pertinent information.
 - d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
 - e. Explanation of abbreviations, symbols, and codes contained in schedule.
 - f. Mounting locations for door hardware.
 - g. Door and frame sizes and materials.
 - h. Warranty information for each product.
 - 4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.
- C. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.
- D. Informational Submittals:

1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.
- E. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Submittals.

1.4 QUALITY ASSURANCE

- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.
- B. Installer Qualifications: A minimum 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- C. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.
- D. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.
 1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
- E. Each unit to bear third party permanent label demonstrating compliance with the referenced standards.
- F. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:
 1. Function of building, purpose of each area and degree of security required.
 2. Plans for existing and future key system expansion.
 3. Requirements for key control storage and software.
 4. Installation of permanent keys, cylinder cores and software.
 5. Address and requirements for delivery of keys.
- G. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s),

Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.

1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
 2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
 3. Review sequence of operation narratives for each unique access controlled opening.
 4. Review and finalize construction schedule and verify availability of materials.
 5. Review the required inspecting, testing, commissioning, and demonstration procedures
- H. At completion of installation, provide written documentation that components were applied to manufacturer's instructions and recommendations and according to approved schedule.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.
- B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
- C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.6 COORDINATION

- A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.
- B. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.7 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions

of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:
 - 1. Structural failures including excessive deflection, cracking, or breakage.
 - 2. Faulty operation of the hardware.
 - 3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - 4. Electrical component defects and failures within the systems operation.
- C. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.
- D. Special Warranty Periods:
 - 1. Seven years for heavy duty cylindrical (bored) locks and latches.
 - 2. Twenty five years for manual surface door closer bodies.

1.8 MAINTENANCE SERVICE

- A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

- A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.
- B. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows:
 - 1. Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.
- C. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

2.2 HANGING DEVICES

- A. Hinges: ANSI/BHMA A156.1 certified butt hinges with number of hinge knuckles as specified in the Door Hardware Sets.

1. Quantity: Provide the following hinge quantity, unless otherwise indicated:
 - a. Two Hinges: For doors with heights up to 60 inches.
 - b. Three Hinges: For doors with heights 61 to 90 inches.
 - c. Four Hinges: For doors with heights 91 to 120 inches.
 - d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.
2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
 - a. Widths up to 3'0": 4-1/2" standard or heavy weight as specified.
 - b. Sizes from 3'1" to 4'0": 5" standard or heavy weight as specified.
3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:
 - a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
 - b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.
4. Hinge Options: Comply with the following where indicated in the Hardware Sets or on Drawings:
 - a. Non-removable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the all out-swinging lockable doors.
5. Acceptable Manufacturers:
 - a. Hager Companies (HA).
 - b. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK).

2.3 DOOR OPERATING TRIM

- A. Door Push Plates and Pulls: ANSI/BHMA A156.6 certified door pushes and pulls of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.
1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
 2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.

3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated.
4. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.
5. Acceptable Manufacturers:
 - a. Hiawatha, Inc. (HI).
 - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
 - c. Trimco (TC).

2.4 CYLINDERS AND KEYING

- A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.
- B. Source Limitations: Obtain each type of keyed cylinder and keys from the same source manufacturer as locksets and exit devices, unless otherwise indicated.
- C. Cylinders: Original manufacturer cylinders complying with the following:
 1. Mortise Type: Threaded cylinders with rings and cams to suit hardware application.
 2. Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
 3. Bored-Lock Type: Cylinders with tailpieces to suit locks.
 4. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
 5. Keyway: Manufacturer's Standard.
- D. Keying System: Each type of lock and cylinders to be factory keyed.
 1. Conduct specified "Keying Conference" to define and document keying system instructions and requirements.
 2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
 3. New System: Key locks to a new key system as directed by the Owner.
- E. Key Quantity: Provide the following minimum number of keys:
 1. Change Keys per Cylinder: Two (2)
 2. Master Keys (per Master Key Level/Group): Five (5).
 3. Construction Keys (where required): Ten (10).

2.5 MECHANICAL LOCKS AND LATCHING DEVICES

- A. Cylindrical Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.2, Series 4000, Grade 1 certified.

1. Furnish with solid cast levers, standard 2 3/4" backset, and 1/2" (3/4" at rated paired openings) throw brass or stainless steel latchbolt.
2. Locks are to be non-handed and fully field reversible.
3. Extended cycle test: Locks to have been cycle tested in ordinance with ANSI/BHMA 156.2 requirements to 2 million cycles.
4. Acceptable Manufacturers:
 - a. Corbin Russwin Hardware (RU) – CL3300 Series.
 - b. Sargent Manufacturing (SA) – 10 Line.
 - c. Schlage (SC) – ND Series.

2.6 LOCK AND LATCH STRIKES

- A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:
 1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
 2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
 3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.
 4. Double-lipped strikes: For locks at double acting doors. Furnish with retractable stop for rescue hardware applications.
- B. Standards: Comply with the following:
 1. Strikes for Mortise Locks and Latches: BHMA A156.13.
 2. Strikes for Bored Locks and Latches: BHMA A156.2.
 3. Strikes for Auxiliary Deadlocks: BHMA A156.36.
 4. Dustproof Strikes: BHMA A156.16.

2.7 DOOR CLOSERS

- A. All door closers specified herein shall meet or exceed the following criteria:
 1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers including installation and adjusting information on inside of cover.
 2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.

3. Cycle Testing: Provide closers which have surpassed 15 million cycles in a test witnessed and verified by UL.
 4. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the physically handicapped, provide units complying with ANSI ICC/A117.1.
 5. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
 6. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
 7. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.
- B. Door Closers, Surface Mounted (Commercial Duty): ANSI/BHMA 156.4, Grade 1 certified surface mounted, institutional grade door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck, closing sweep, and latch speed control valves. Provide non-handed units standard.
1. Acceptable Manufacturers:
 - a. Corbin Russwin Hardware (RU) - DC6000 Series.
 - b. Norton Door Controls (NO) - 8500 Series.
 - c. Sargent Manufacturing (SA) - 1431 Series.
 - d. Yale Locks and Hardware (YA) - 3500 Series.

2.8 ARCHITECTURAL TRIM

A. Door Protective Trim

1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.
3. Where plates are applied to fire rated doors with the top of the plate more than 16" above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer's catalog and template book for specific requirements for size and applications.

4. Protection Plates: ANSI/BHMA A156.6 certified protection plates (kick, armor, or mop), fabricated from the following:
 - a. Stainless Steel: 300 grade, 050-inch thick.
5. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.
6. Acceptable Manufacturers:
 - a. Hiawatha, Inc. (HI).
 - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
 - c. Trimco (TC).

2.9 DOOR STOPS AND HOLDERS

- A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.
- B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 certified door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.
 1. Acceptable Manufacturers:
 - a. Hiawatha, Inc. (HI).
 - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
 - c. Trimco (TC).
- C. Overhead Door Stops and Holders: ANSI/BHMA A156.6, Grade 1 certified overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.
 1. Acceptable Manufacturers:
 - a. Rixson Door Controls (RF).
 - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
 - c. Sargent Manufacturing (SA).

2.10 ARCHITECTURAL SEALS

- A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and

provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.

- B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
 - 1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.
- C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
 - 1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NFPA 252, Standard Methods of Fire Tests of Door Assemblies.
- D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
- E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
- F. Acceptable Manufacturers:
 - 1. National Guard Products (NG).
 - 2. Pemko Products; ASSA ABLOY Architectural Door Accessories (PE).
 - 3. Reese Enterprises, Inc. (RE).

2.11 FABRICATION

- A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.12 FINISHES

- A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.
- B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware
- C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

- A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.
- B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

- A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
 - 1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.
- B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
 - 1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
 - 2. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
 - 3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
 - 4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.
- C. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

- D. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."
- E. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

3.4 FIELD QUALITY CONTROL

- A. Field Inspection: Supplier will perform a final inspection of installed door hardware and state in report whether work complies with or deviates from requirements, including whether door hardware is properly installed, operating and adjusted.

3.5 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

3.6 CLEANING AND PROTECTION

- A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.
- B. Clean adjacent surfaces soiled by door hardware installation.
- C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.7 DEMONSTRATION

- A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.8 DOOR HARDWARE SETS

- A. The hardware sets represent the design intent and direction 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. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

B. Manufacturer's Abbreviations:

1. MK - McKinney
2. SA - Sargent
3. RO - Rockwood
4. RF - Rixson
5. NO - Norton
6. PE - Pemko

Hardware Sets

Set: 1.0

Doors: 105B

Description: BREAK

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Pull Plate	BF 110 x 70C	US32D	RO
1 Push Plate	70C	US32D	RO
1 Surface Closer	CLP8501	689	NO
1 Kick Plate	K1050 10" X 2" LDW 4BE CSK	US32D	RO
3 Silencer	608		RO

Set: 2.0

Doors: 104, 107A, 107B, 109, 110

Description: OFFICE

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Office Lock	10G05 LP	US26D	SA
1 Door Stop	409 / 446 [as required]	US32D	RO
3 Silencer	608		RO

Set: 3.0

Doors: 112, 113

Description: TOILET

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Privacy Set	10U65 LP	US26D	SA
1 Mop Plate	K1050 4" X 1" LDW 4BE CSK	US32D	RO

MIDDLE STREET OFIFCE
CHATTANOOGA, TN

1 Door Stop	409 / 446 [as required]	US32D	RO
1 Gasketing	S773D		PE
3 Silencer	608		RO

Set: 4.0

Doors: 200

Description: MECH ACCESS

3 Hinge	TA2314 NRP 4-1/2" x 4-1/2"	US32D	MK
1 Deadbolt	475	US26D	SA
1 Surface Overhead Stop	9-X36	689	RF
1 Threshold	271A MSES25SS		PE
1 Gasketing	S773D		PE
1 Sweep	315CN		PE

END OF SECTION 087100

SECTION 08 8000

GLAZING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Glass.
- B. Glazing compounds and accessories.

1.02 RELATED REQUIREMENTS

- A. Section 08520 - Aluminum Windows: Glazing furnished by window manufacturer.
- B. Section 10800 - Toilet and Utility Accessories: Mirrors.

1.03 REFERENCE STANDARDS

- A. ASTM C864 - Standard Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers; 2005 (Reapproved 2011).
- B. ASTM C1036 - Standard Specification for Flat Glass; 2011e1.
- C. ASTM C1048 - Standard Specification for Heat-Treated Flat Glass--Kind HS, Kind FT Coated and Uncoated Glass; 2012.
- D. ASTM E1300 - Standard Practice for Determining Load Resistance of Glass in Buildings; 2012a.
- E. ASTM E2190 - Standard Specification for Insulating Glass Unit Performance and Evaluation; 2010.
- F. GANA (GM) - GANA Glazing Manual; Glass Association of North America; 2009.
- G. GANA (SM) - GANA Sealant Manual; Glass Association of North America; 2008.

1.04 SUBMITTALS

- A. See Section 01302 - Submittals and Substitutions, for submittal procedures.
- B. Product Data on Glass Types: Provide structural, physical and environmental characteristics, size limitations, special handling or installation requirements.
- C. Product Data on Glazing Compounds: Provide chemical, functional, and environmental characteristics, limitations, special application requirements. Identify available colors.

1.05 QUALITY ASSURANCE

- A. Perform Work in accordance with GANA Glazing Manual and GANA Sealant Manual for glazing installation methods.
- B. Installer Qualifications: Company specializing in performing the work of this section approved by manufacturer.

1.06 FIELD CONDITIONS

- A. Do not install glazing when ambient temperature is less than 50 degrees F (10 degrees C).
- B. Maintain minimum ambient temperature before, during and 24 hours after installation of glazing compounds.

1.07 WARRANTY

- A. See Section 01740 - Gurantees and Warranties, for additional warranty requirements.

PART 2 PRODUCTS

2.01 GLAZING TYPES

- A. Type IG-1 - Sealed Insulating Glass Units: Vision glazing.
 - 1. Application(s): All exterior glazing unless otherwise indicated.
 - 2. Outboard Lite: Annealed float glass, 1/4 inch (6 mm) thick, minimum.
 - a. Tint: Clear.
 - b. Coating: Low-E type, on #2 surface.

3. Inboard Lite: Annealed float glass, 1/4 inch (6 mm) thick, minimum.
 - a. Tint: Clear.
4. Total Thickness: 1 inch (25 mm).
5. Total Visible Light Transmittance: 70 percent, nominal.
6. Total Solar Heat Gain Coefficient: 38 percent, nominal.
7. Glazing Method: Gasket glazing.

2.02 GLASS MATERIALS

- A. Float Glass: All glazing is to be float glass unless otherwise indicated.
 1. Annealed Type: ASTM C1036, Type I, transparent flat, Class 1 clear, Quality Q3 (glazing select).
 2. Heat-Strengthened and Fully Tempered Types: ASTM C1048.
 3. Tinted Types: Color and performance characteristics as indicated.
 4. Thicknesses: As indicated; for exterior glazing comply with specified requirements for wind load design regardless of specified thickness.

2.03 SEALED INSULATING GLASS UNITS

- A. Sealed Insulating Glass Units: Types as indicated.
 1. Durability: Certified by an independent testing agency to comply with ASTM E2190.
 2. Edge Spacers: Aluminum, bent and soldered corners.
 3. Edge Seal: Glass to elastomer with supplementary silicone sealant.
 4. Purge interpane space with dry hermetic air.

2.04 GLAZING COMPOUNDS

- A. Glazing Putty: Polymer modified latex recommended by manufacturer for outdoor use, knife grade consistency; grey color.

2.05 GLAZING ACCESSORIES

- A. Setting Blocks: Neoprene, 80 to 90 Shore A durometer hardness, ASTM C864 Option I. Length of 0.1 inch for each square foot (25 mm for each square meter) of glazing or minimum 4 inch (100 mm) x width of glazing rabbet space minus 1/16 inch (1.5 mm) x height to suit glazing method and pane weight and area.
- B. Glazing Gaskets: Resilient silicone extruded shape to suit glazing channel retaining slot; ASTM C864 Option I; black color.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that openings for glazing are correctly sized and within tolerance.
- B. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and ready to receive glazing.

3.02 PREPARATION

3.03 INSTALLATION - EXTERIOR/INTERIOR DRY METHOD (GASKET GLAZING)

- A. Place setting blocks at 1/4 points with edge block no more than 6 inches (150 mm) from corners.
- B. Rest glazing on setting blocks and push against fixed stop with sufficient pressure on gasket to attain full contact.
- C. Install removable stops without displacing glazing gasket; exert pressure for full continuous contact.

3.04 MANUFACTURER'S FIELD SERVICES

- A. Glass and Glazing product manufacturers to provide field surveillance of the installation of their products.
- B. Monitor and report installation procedures and unacceptable conditions.

3.05 CLEANING

- A. Remove glazing materials from finish surfaces.
- B. Remove labels after Work is complete.
- C. Clean glass and adjacent surfaces.

3.06 PROTECTION

- A. After installation, mark pane with an 'X' by using removable plastic tape or paste; do not mark heat absorbing or reflective glass units.

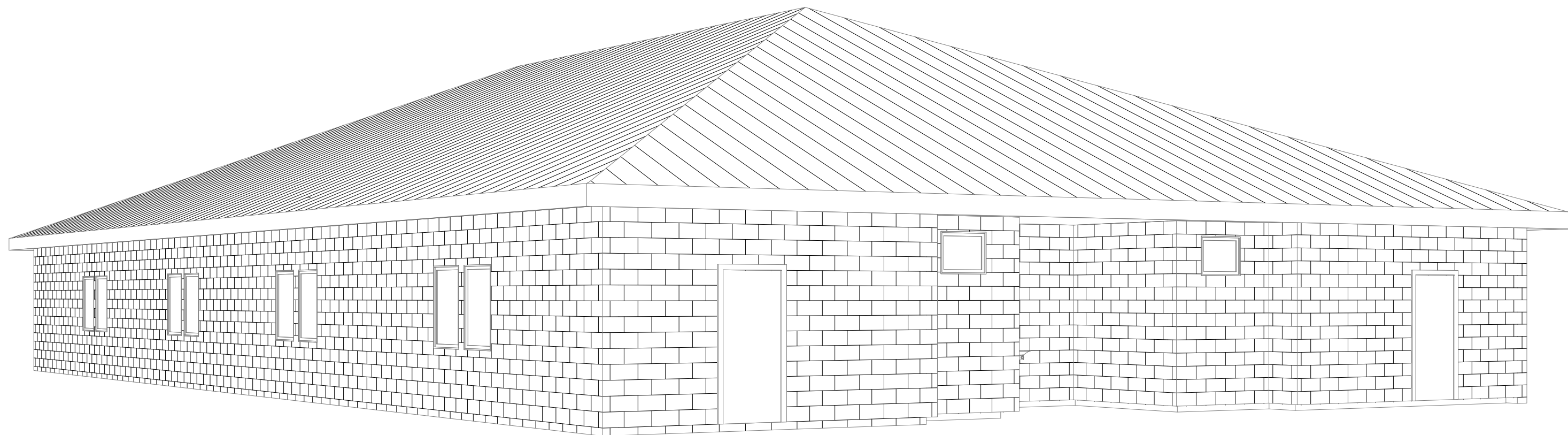
END OF SECTION

MIDDLE STREET OFFICE RENOVATION

1503 MIDDLE STREET, CHATTANOOGA, TN 37408

GENERAL PROJECT NOTES

1. THE CONTRACTOR AND SUBCONTRACTORS EXECUTING ANY WORK WITHIN THESE DOCUMENTS SHALL BE RESPONSIBLE FOR COORDINATION AND COMPLETION OF THIS WORK IN COMPLIANCE WITH APPLICABLE LAWS, REGULATIONS, AND GOVERNING STATE AND LOCAL CODES FOR THE CITY OF CHATTANOOGA.
2. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS RELATING TO ANY REQUIRED ROAD CLOSURE AND SIDEWALK CLOSURE, AS WELL AS TEMPORARY STAGING AREA NEEDED WITHIN THE CITY RIGHT OF WAY.
3. GENERAL CONTRACTOR SHOULD BE IN POSSESSION OF ALL SHEETS OF THIS DRAWING SET WITH A FULL COPY AVAILABLE AT ALL TIMES ON THE JOB SITE. THE SET CONSISTS OF 29 PAGES. THE JOB SITE SET WITHOUT ALL SHEETS IS RENDERED NOT SUITABLE FOR CONSTRUCTION AND FORFEITS ALL LIABILITY.
4. THESE DRAWINGS HAVE BEEN DEVELOPED FROM FIELD MEASUREMENTS, WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL VERIFY THESE DRAWINGS WITH EXISTING CONDITIONS AND NOTIFY THE OWNER OR ARCHITECT IMMEDIATELY OF INCONSISTENCIES BETWEEN THESE DRAWINGS AND ACTUAL CONDITIONS BEFORE PROCEEDING WITH CONSTRUCTION.
5. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF ANY WORK INDICATED IN THE CONTRACT DOCUMENTS CANNOT BE PERFORMED DUE TO EXISTING FIELD CONDITIONS.
6. WHERE EXISTING CONSTRUCTION IS FOUND TO CONTAIN HAZARDOUS MATERIAL, NOTIFY THE ARCHITECT PRIOR TO REMOVAL, REMOVAL, DISPOSAL AND REPLACEMENT OF THE HAZARDOUS MATERIAL SHALL BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. REPLACE THE HAZARDOUS MATERIAL WITH NEW MATERIAL ONLY AS SPECIFIED OR APPROVED BY ARCHITECT.
7. THE CONTRACTOR SHALL NOT CUT STRUCTURAL WORK IN A MANNER RESULTING IN A REDUCTION OF LOAD CARRYING CAPACITY OR LOAD/DEFLECTION RATIO. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL STRUCTURAL CUTS PRIOR TO EXECUTION SO THAT APPROVAL CAN BE OBTAINED FROM ARCHITECT.
8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TEMPORARY STRUCTURAL SUPPORTS OR SHORING REQUIRED DURING THE CONSTRUCTION PROCESS.
9. ALL REMOVED MATERIAL SHALL BE TRANSPORTED FROM THE PREMISES AT CONTRACTOR'S EXPENSE. ALL SALVAGED MATERIAL SHALL BE GATHERED AT A COMMON LOCATION ON SITE. ALL RECYCLABLE MATERIALS SHALL BE RECYCLED.
10. AFTER REMOVAL OF PIPE CHASES, PATCH HOLES IN EXISTING FLOORS OR WALLS TO REMAIN TO MEET ORIGINAL FIRE PROTECTION AND STRUCTURAL REQUIREMENTS. PATCH ADJOINING WALLS, FLOOR, DECK AND PREPARE SURFACES TO RECEIVE NEW FINISH PER OWNER SELECTION.
11. THE CONTRACTOR SHALL REPLACE OR REPAIR ANY EXISTING FINISHES TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION.
13. DO NOT SCALE DRAWINGS INCLUDED IN THESE CONTRACT DOCUMENTS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM ARCHITECT BEFORE BEGINNING OR CONTINUING WITH CONSTRUCTION.
14. DIMENSIONS SHOWN ON THE FLOOR PLANS FOR NEW CONSTRUCTION ARE FROM THE FACE OF EXISTING MASONRY WALL OR EXISTING FINISH TO THE FACE OF NEW FINISH, UNLESS OTHERWISE NOTED. INTERIOR WALL PARTITION TYPES ARE NOTED ACCORDINGLY ON THE PLANS. PROVIDE CLEARANCES FOR INSTALLATION OF TILE, TRIM AND OTHER FINISH DIMENSIONS.
15. DIMENSIONS ARE TO BE VERIFIED WITH ALL TRADES AND COORDINATED WITH ALL INVOLVED PARTIES AND ADJACENT WORK.
16. EQUIPMENT LOCATIONS ARE TO BE VERIFIED WITH ANY DIMENSIONS NOTED IN THE CONTRACT DOCUMENTS - NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO INSTALLATION.
17. ANY DIMENSIONS NOTED AS "V.I.F." OR "FIELD VERIFY" INDICATE LOCATIONS WHERE A SPECIFIC DIMENSION MAY VARY DUE TO CONSTRUCTION, OR FURTHER FIELD INFORMATION IS REQUIRED, OR BOTH. THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES PRIOR TO CONSTRUCTION OF THE AFFECTED WORK.
19. PROVIDE CLEAR PAINTABLE LOW VOC LATEX SEALANT AT JUNCTURE OF INTERIOR FACES OF DOOR FRAMES, EXTERIOR WINDOW FRAMES, CABINET WORK AND CASEWORK WITH ADJACENT MATERIALS EVEN THOUGH JOINT MAY NOT BE VISIBLE.
20. PROVIDE DOUBLE STUDS AND BLOCKING WHERE REQUIRED TO SUPPORT OR ELEVATE EQUIPMENT AND / OR MISCELLANEOUS ITEMS SUCH AS TYPICAL CASEWORK, MILLWORK OR OWNER PROVIDED EQUIPMENT.
21. CASEWORK DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION AND INSTALLATION.
22. ALL NEW CONSTRUCTION SHALL BE SQUARE, TRUE, LEVEL, PLUMB, ETC., UNLESS NOTED OTHERWISE.
23. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLED ACCESS TO THE FACILITY, TO PROTECT VISITORS, LOCAL OFFICIALS, AND WORKERS DURING AND AFTER CONSTRUCTION OPERATIONS.
24. TENANT IS RESPONSIBLE FOR PROVIDING FIRE SAFETY AND EVACUATION PLANS IN ACCORDANCE WITH SECTIONS 404.3.1 AND 404.3.2 OF THE INTERNATIONAL FIRE CODE.
25. TENANT IS RESPONSIBLE FOR INSPECTION, TESTING, AND MAINTENCE OF FIRE EXTINGUISHING SYSTEMS IN ACCORDANCE WITH THE REFERENCE STANDARDS LISTED IN TABLE 901.6.1 (CHAPTER 9 OF THE INTERNATIONAL FIRE CODE).



MATT WINGET
ARCHITECT

DATE

APPROVED FOR RELEASE
WILLIAM C. PAYNE, P.E.
CITY ENGINEER

DATE

MAYOR

ANDY BERKE

CITY COUNCIL

DISTRICT 1 - CHIP HENDERSON
DISTRICT 2 - JERRY MITCHELL, CHAIRPERSON
DISTRICT 3 - KEN SMITH, VICE-CHAIRPERSON
DISTRICT 4 - DARRIN LEDFORD
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DISTRICT 8 - ANTHONY BYRD
DISTRICT 9 - DEMETRUS COONROD

DEPARTMENT OF PUBLIC WORKS

JUSTIN C. HOLLAND, ADMINISTRATOR

DRAWING LIST	
SHEET NUMBER	SHEET NAME
T0-1	TITLE SHEET
T0-2	ADA DETAILS
T0-3	PARTITION TYPES
T0-4	PROJECT SYMBOLS, VICINITY MAP, AND CODE SUMMARY
LS1-1	LIFE SAFETY PLAN - 1ST FLOOR
A0-1	ARCHITECTURAL SITE PLAN
A1-0	FLOOR PLAN
A3-0	BUILDING SECTIONS
A4-0	WALL SECTION AND DETAIL
A5-0	ENLARGED PLANS
A6-0	INTERIOR ELEVATIONS
A7-0	REFLECTED CEILING PLANS
A8-0	SCHEDULES
M0-1	MECHANICAL COVER SHEET
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M1-0	MECHANICAL HVAC DEMO PLAN
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M2-0	MECHANICAL SCHEDULES
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E0-1	ELECTRICAL COVER SHEET
E1-0	ELECTRICAL DEMO PLAN
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E2-1	ELECTRICAL POWER PLAN
E3-0	ELECTRICAL SCHEDULES
P0-1	PLUMBING COVER SHEET
P1-1	PLUMBING WASTE & VENT PLAN
P2-1	PLUMBING DOMESTIC & GAS PLAN
P3-0	PLUMBING DETAILS

ARCHITECT:
ELEMI ARCHITECTS
PROJECT CONTACT: MATT WINGET
MATT@ELEMIARCHITECTS.COM
423 648 7644

CIVIL ENGINEER:
MARCH ADAMS & ASSOCIATES
PROJECT CONTACT: TARA MANER
TARA.MANER@MARCHADAMS.COM
423 664 1485

STRUCTURAL ENGINEER:
MARCH ADAMS & ASSOCIATES
PROJECT CONTACT: JOE HUTCHERSON
JOE.HUTCHERSON@MARCHADAMS.COM
423 698 6675

MECH. ELEC. PLUM + FIRE PROT. ENGRS:
MARCH ADAMS & ASSOCIATES
PROJECT CONTACT: SCOTT MCKENZIE
SCOTT.MCKENZIE@MARCHADAMS.COM
423 698 6675

CONTRACTOR:
STRAUSS COMPANY
PROJECT CONTACT: ROBERT ROBERTS
ROBERT@STRAUSSCO.COM
423 265 3202

LEED ADMINISTRATION:
PALMER BUILT ENVIRONMENTS
PROJECT CONTACT: THOMAS PALMER
ARCHITHOMAS@GMAIL.COM
423 903 7050

COMMISSIONING:
CORNERSTONE AUTOMATION
PROJECT CONTACT: TRICIA KING
EMAIL@EMAIL.COM
423 000 0000



JAMES BERGDOLL
MIDDLE STREET OFFICE

1503 MIDDLE STREET, CHATTANOOGA, TN 37408

318 west 18th street
chattanooga, TN 37408

423.648.7644 voice
423.648.7646 fax

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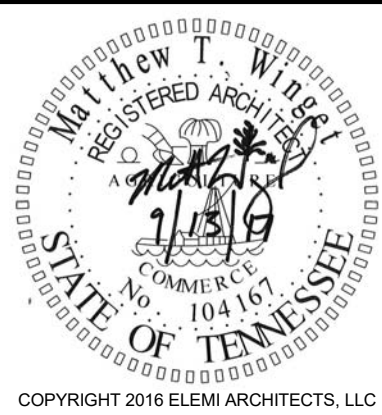


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1	Date 1	ADDENDUM #1

TITLE SHEET

TO-1



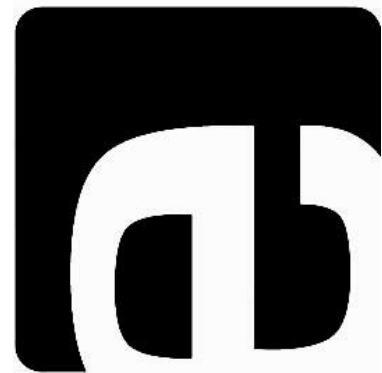
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MIDDLE STREET OFFICE

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chattanooga, TN 37408
423.648.7644 voice
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PARTITION TYPES

TO-3

W1WOOD STUD WALL . NON-RATED

FIRE RATING: -
UL DETAIL: U419
BEARING WALL: NO

HEIGHT: TO DECK

W2WOOD STUD WALL . 1HR-RATED

FIRE RATING: 1-HR
UL DETAIL: U419
BEARING WALL: NO

HEIGHT: TO DECK

W3WOOD STUD WALL . NON-RATED

FIRE RATING: -
UL DETAIL: -
BEARING WALL: NO

HEIGHT: ABOVE CLNG

W4WOOD STUD WALL . NON-RATED

FIRE RATING: -
UL DETAIL: -
BEARING WALL: NO

HEIGHT: TO DECK

W5WOOD STUD WALL . NON-RATED

FIRE RATING: -
UL DETAIL: -
BEARING WALL: NO

HEIGHT: TO DECK

S1STEEL STUD WALL . NON-RATED

FIRE RATING: -
UL DETAIL: U419
BEARING WALL: NO

HEIGHT: TO DECK

S2STEEL STUD WALL . 1HR-RATED

FIRE RATING: 1-HR
UL DETAIL: U419
BEARING WALL: NO

HEIGHT: TO DECK

S3STEEL STUD WALL . 2HR-RATED

FIRE RATING: 2-HR
UL DETAIL: U419
BEARING WALL: NO

HEIGHT: TO DECK

S4STEEL STUD WALL . NON-RATED

FIRE RATING: -
UL DETAIL: -
BEARING WALL: NO

HEIGHT: TO DECK

S5STEEL STUD WALL . NON-RATED

FIRE RATING: -
UL DETAIL: -
BEARING WALL: NO

HEIGHT: ABOVE CLNG

S6STEEL STUD WALL . NON-RATED

FIRE RATING: -
UL DETAIL: -
BEARING WALL: NO

HEIGHT: TO DECK

M1MASONRY WALL . 1HR-RATED (SHAFT WALL)

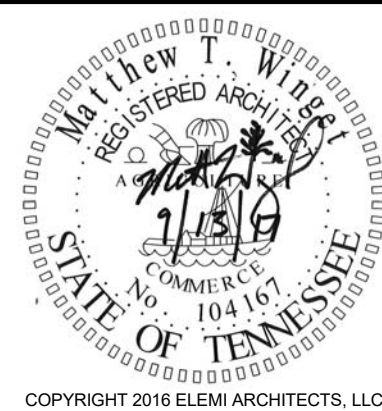
FIRE RATING: 1-HR
UL DETAIL: U905
BEARING WALL: NO

HEIGHT: TO DECK

M2MASONRY WALL . 1HR-RATED (SHAFT WALL)

FIRE RATING: 1-HR
UL DETAIL: U905
BEARING WALL: NO

HEIGHT: TO DECK

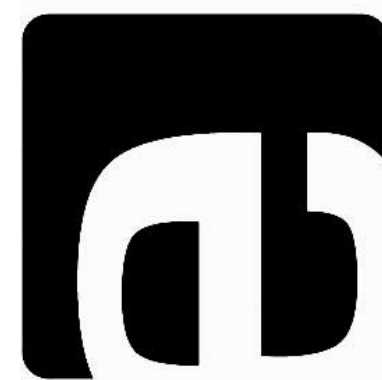


JAMES BERGDOLL
MIDDLE STREET OFFICE

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318 west 18th street
chattanooga, TN 37408
423.648.7644 voice
423.648.7646 fax
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LIFE SAFETY PLAN -
1ST FLOOR

LS 1 - 1

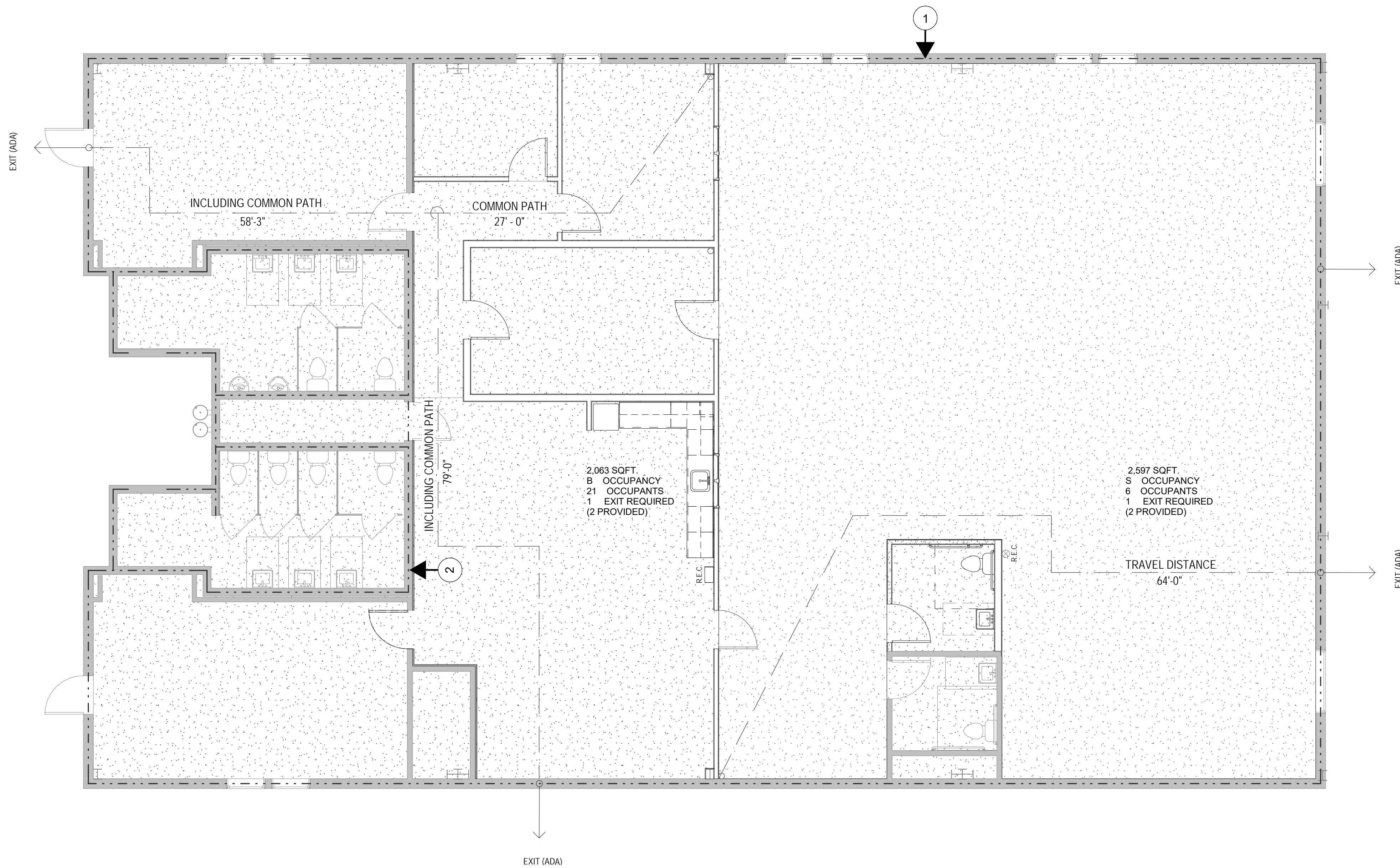
GENERAL NOTES - LIFE SAFETY PLANS

- EXISTING 2-HR RATED EXTERIOR BEARING WALL.
- EXISTING 2-HR RATED INTERIOR BLOCK WALL.

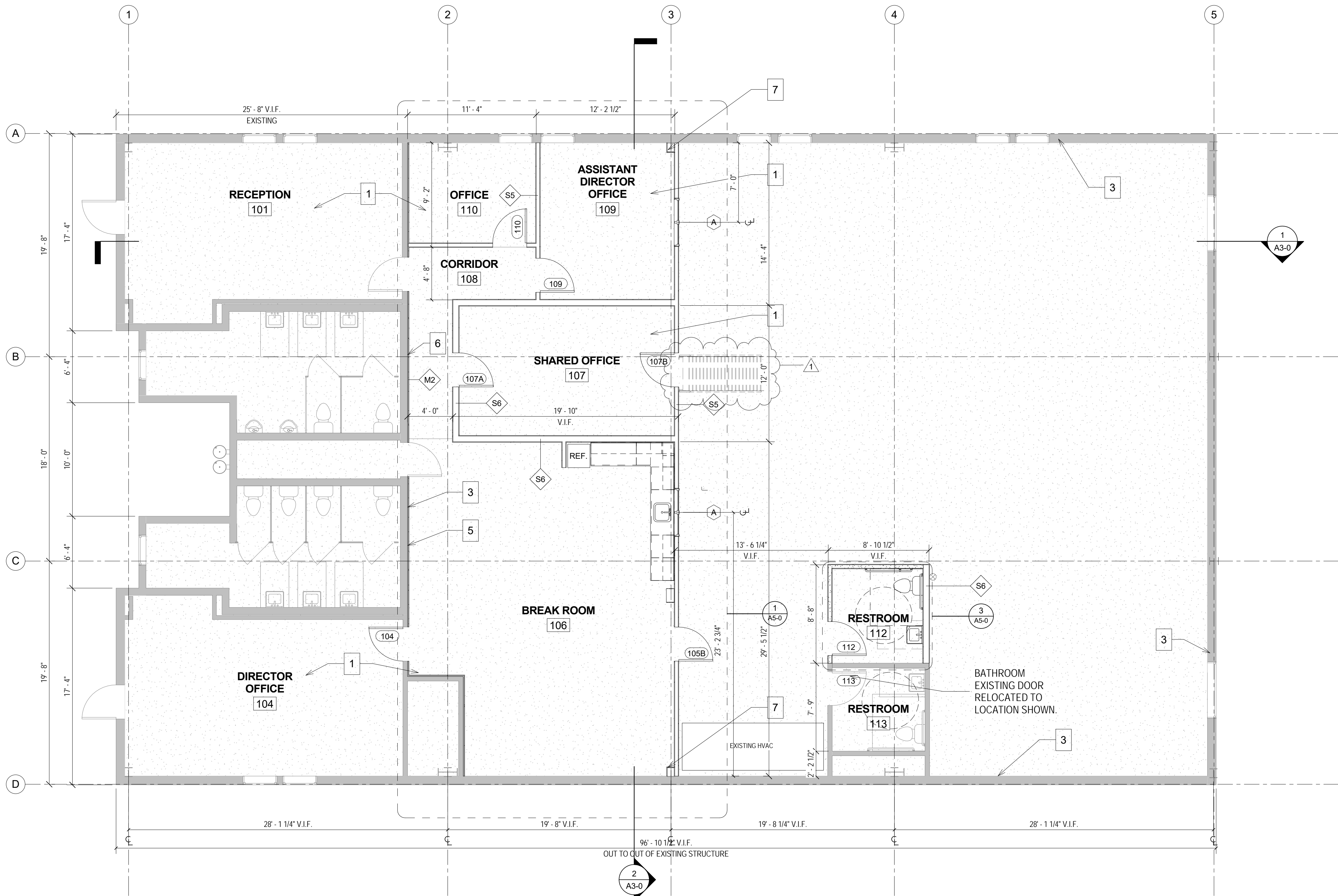
30-MIN RATED WALL
1-HR RATED WALL
2-HR RATED WALL
2-HR SHAFT WALL

.....

MAX. TRAVEL DISTANCE 100' - 0"
ACTUAL TRAVEL DISTANCE 79'-0"



1 LIFE SAFETY - 1ST FLOOR
3/16" = 1'-0"



1 1ST FLOOR PLAN
3/16" = 1'-0"

GENERAL NOTES - FLOOR PLANS

- LEGALITIES + RESPONSIBILITIES:
1. ALL CONSTRUCTION IS INTENDED TO BE IN CONFORMANCE WITH FEDERAL AND STATE LAWS, CURRENT LOCAL ORDINANCES & BUILDING CODES AND THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAAG). REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH WORK.
 2. G.C. TO VERIFY REQUIREMENTS OF ALL OWNER PROVIDED FURNISHED ITEMS WITH OWNER BEFORE PROCEEDING WITH WORK.
 3. CONTRACTOR RESPONSIBLE FOR ALL BLOCKING REQUIRED FOR ALL WALL HUNG EQUIPMENT, SUCH AS BUT NOT LIMITED TO THE FOLLOWING: TOILET ACCESSORIES, SHELVING, SHOWER SEATS, EXTERIOR LIGHT FIXTURES, WALL GUARDS, RAILING, ETC.
 4. CONTRACTOR TO PROVIDE LOW VOC CAULKING AT THE FOLLOWING LOCATIONS UNO:
A) AT CABINET ENDS, WHERE THEY MEET SPECIFIED WALL (I.E. TYPICAL IS GYP).
B) AT HOLLOW METAL DOOR FRAMES, BOTH SIDES AND TOP.
C) ALL WALL TILE AND WALL COVERINGS @ TRANSITIONS.
 5. ALL WORK PERFORMED BY G.C. SHALL BE INSTALLED PER MANUFACTURES RECOMMENDATIONS.SAFETY CODE REQUIREMENTS.
 6. ALL WORK SHALL BE INSTALLED COMPLETE IN ANY RESPECT.
 7. THE CONTRACTOR TO BE FULLY RESPONSIBLE FOR DAMAGES AND OMISSIONS OF THE SUB CONTRACTORS.
- FIRE, EGRESS + LIFE SAFETY:
8. EXISTING WALLS ARE SHOWN AS GRAY FILLED AND ARE NOT TAGGED ON THE ARCHITECTURAL PLANS.
A) THE CONTRACTOR IS TO COORDINATE EXISTING WALLS WITH THE LIFE SAFETY PLANS.
B) THE CONTRACTOR IS TO VERIFY THE CONSTRUCTION AND INTEGRITY OF ALL EXISTING FIRE RATED WALLS IN THE AREAS OF WORK.
C) THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IF ANY EXISTING WALLS, SHOWN AS FIRE RATED ON THE LIFE SAFETY PLANS, FAILS TO MEET THE INDICATED FIRE RATING.
 9. ALL EGRESS PATHS AND EXITS TO REMAIN OPEN DURING CONSTRUCTION. CONTRACTOR TO PHASE AND COORDINATE CONSTRUCTION ACTIVITY TO MAINTAIN AND INSURE EGRESS REQUIREMENTS ARE MAINTAINED AT ALL TIMES. SEE LIFE SAFETY SHEETS FOR DETAILS.
 10. RATED WALLS SHALL BE BUILT TIGHT AGAINST DECK ABOVE AND SEALED. EXTEND ALL RATED WALLS TO UNDERSIDE OF THE RATED FLOOR/CEILING OR ROOF/CEILING ABOVE.
 11. PROVIDE STENCILED LETTERING ON ALL FIRE RATED WALLS ABOVE THE CEILING, AND IN CONCEALED SPACES STATING " FIRE BARRIER.
 12. ALL PENETRATIONS THROUGH FIRE RATED WALLS ARE TO BE SEALED WITH UL LISTED MATERIALS AND METHODS.
 13. ALL JOINTS BW FIRE RATED WALLS, CEILINGS AND FLOORS SHALL BE PROTECTED BY AN APPROVED FIRE RESISTANT JOINT SYSTEM DESIGNED TO RESIST THE PASSAGE OF FIRE FOR A TIME NOT LESS THAN THE REQUIRED FIRE RESISTANCE RATING OF THE WALL.
 14. FIRE ALARM SYSTEM IS REQUIRED. SYSTEM MUST BE REVIEWED AND APPROVED BY FIRE DEPARTMENT.
- FIELD VERIFICATION:
15. CONTRACTOR TO FIELD VERIFY ALL SITE CONDITIONS PRIOR TO COMMENCING CONSTRUCTION
 16. ALL FINISH FLOOR ELEVATIONS MUST BE FIELD VERIFIED. ALL OTHER STRUCTURAL AND DIMENSIONAL ISSUES MUST BE VERIFIED BY THE CONTRACTOR. IF DISCREPANCIES ARISE, THE CONTRACTOR MUST NOTIFY THE ARCHITECT IN WRITING OF SUCH DISCREPANCIES
 17. CONTRACTOR TO FIELD VERIFY DIMENSIONS OF PLUMBING FIXTURES (TOILETS, WC, TUBS & SHOWERS) VS WALL PARTITION TYPES (WALL THICKNESSES MAY VARY WITH SHEAR WALL CONDITIONS) BEFORE COMMENCING FRAMING.
 18. CONTRACTOR TO VERIFY ALL DIMENSIONS WITH MANUFACTURER ON FIXTURES & EQUIPMENT SUPPLIED, PRIOR TO CONSTRUCTION
- DIMENSIONS:
19. DIMENSIONS ARE TO FACE OF STUD TO FACE OF STUD, UNLESS NOTED OTHERWISE (UNO). DIMENSIONS FOR NEW CONSTRUCTION ARE BASED ON EXISTING STRUCTURE. THE CONTRACTOR SHOULD FIELD VERIFY BEFORE BEGINNING CONSTRUCTION.
 20. FOR SIZE AND SPACING OF STEEL STUDS - REFER TO T0-3.
 21. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION INCLUDING DIMENSIONS. ENLARGED PLANS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES BEFORE PROCEEDING.

KEYED NOTES

1. INSTALL NEW FLOOR. RECYCLED RUBBER FLOORING. PROVIDE SAMPLES FOR FINISH SELECTION BY ARCHITECT. SEE SPEC SET 09 65 66
2. PAINT NEW WALLS TO MATCH EXISTING PAINT FINISHES.
3. ADD ALTERNATE: PROVIDE ESTIMATE FOR PROVIDING 5/8" DRYWALL AT 11' 7" TOP OF WALL WITH AN 'L' BEAD AT INTERIOR OF EXISTING STORAGE AREA.
4. ADD ALTERNATE: PROVIDE ESTIMATE FOR PROVIDING RUBBER BASE TO MATCH EXISTING.
5. INSTALL CHASE AROUND THE EXISTING CONDUIT.
6. CLEAN AND INSTALL METAL FURRING STRIP TO EXISTING CMU WALL, EXISTING UNFINISHED WALL AND CMU WALL TO LEVEL 4 FINISH FOR PAINTING AND PROVIDING RUBBER BASE TO MATCH EXISTING.
7. ENCASE THE EXISTING STEEL COLUMNS WITH 5/8" GYP. BOARD TO BOTTOM OF DROPPED ACT CEILING. MATCH EXISTING PAINT FINISH AND PROVIDE RUBBER BASE.



JAMES BERGDOLL
MIDDLE STREET OFFICE
1503 MIDDLE STREET, CHATTANOOGA, TN 37408

318 west 18th street
chattanooga, TN 37408
423 648 7644 voice
423 648 7646 fax
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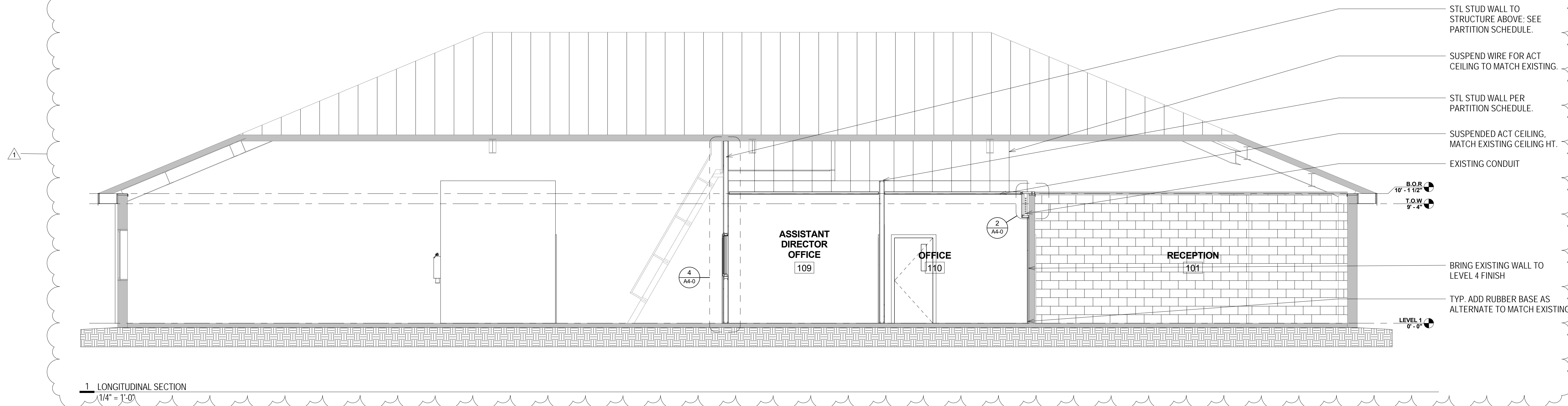
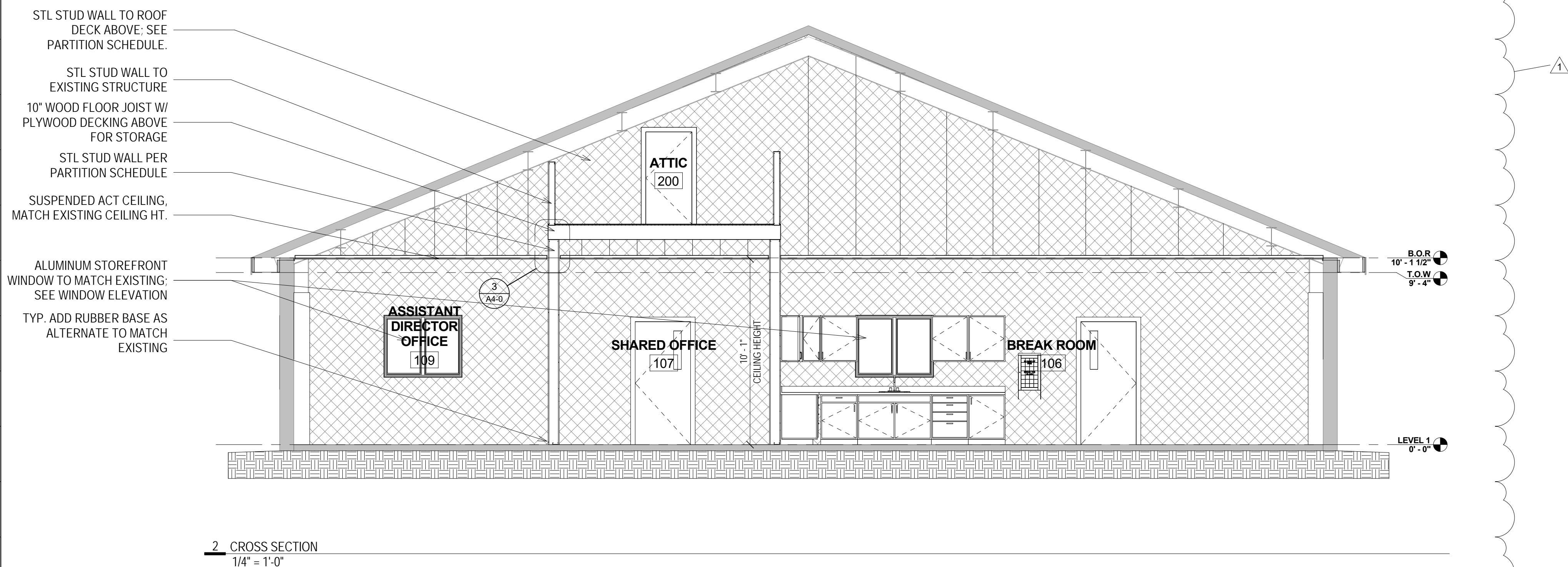


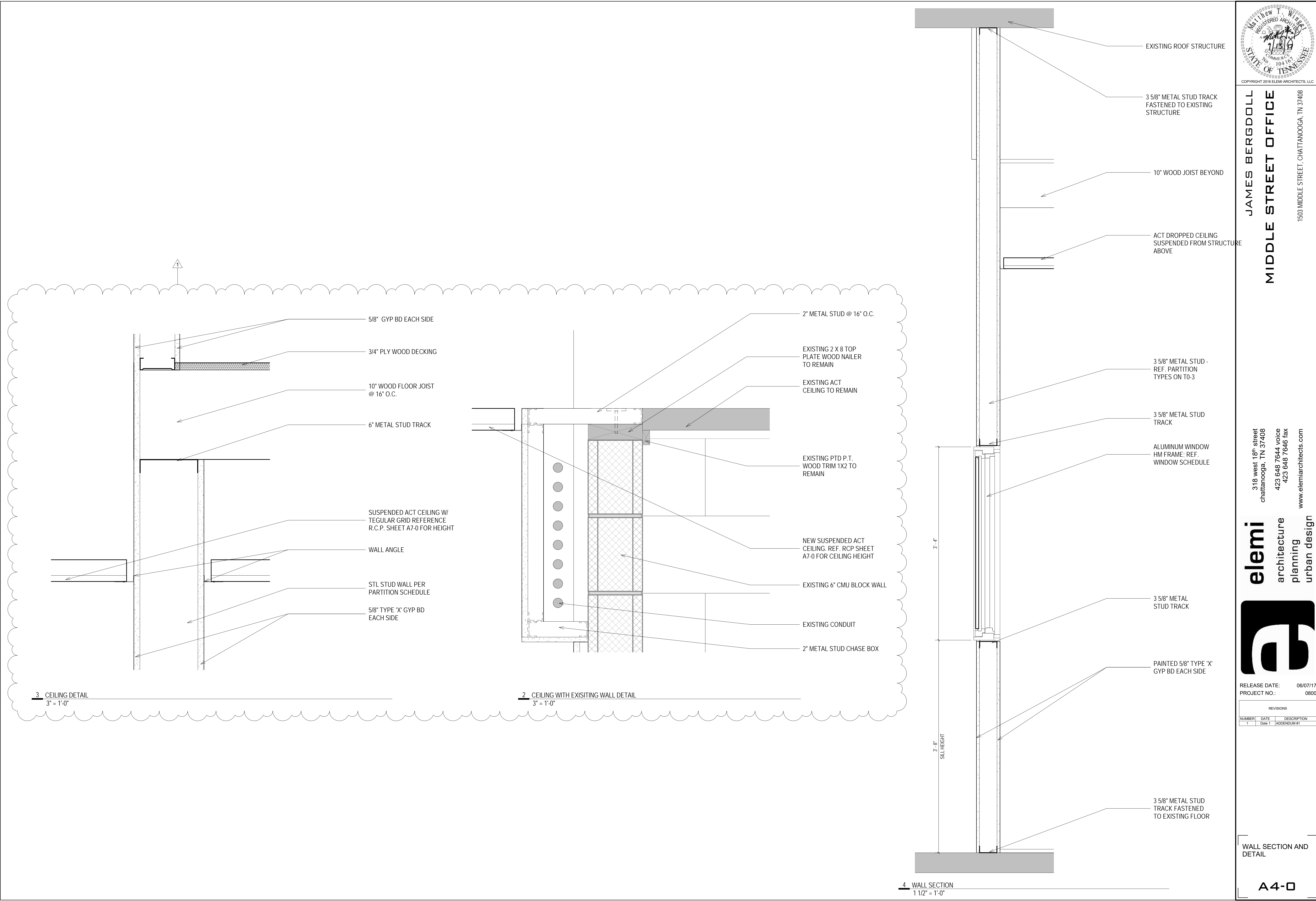
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FLOOR PLAN

A1-0

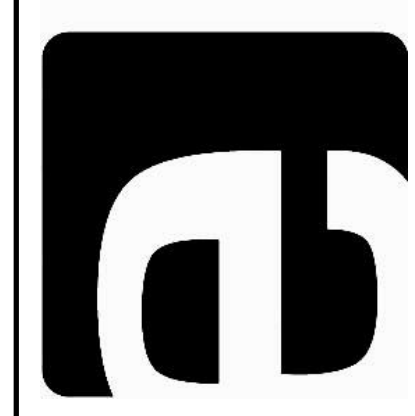




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chattanooga, TN 37408
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423.648.7646 fax
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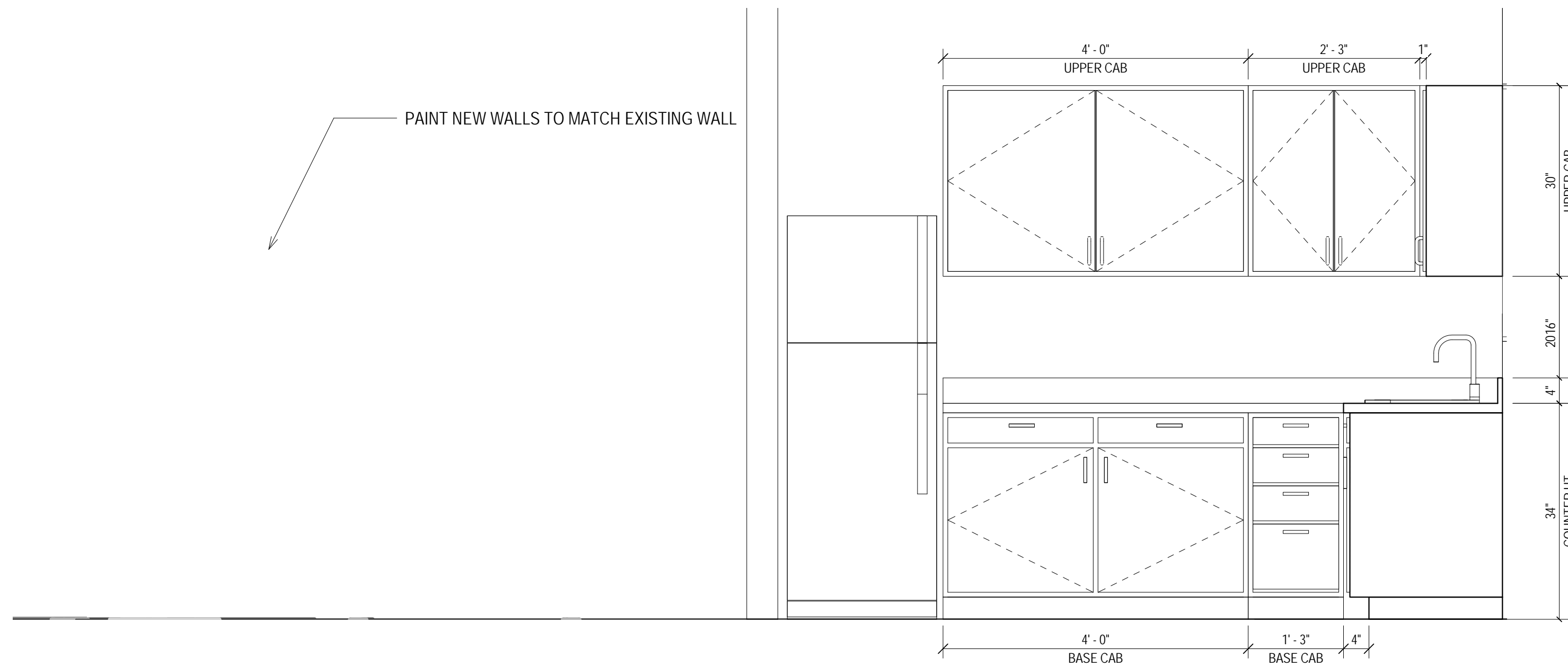


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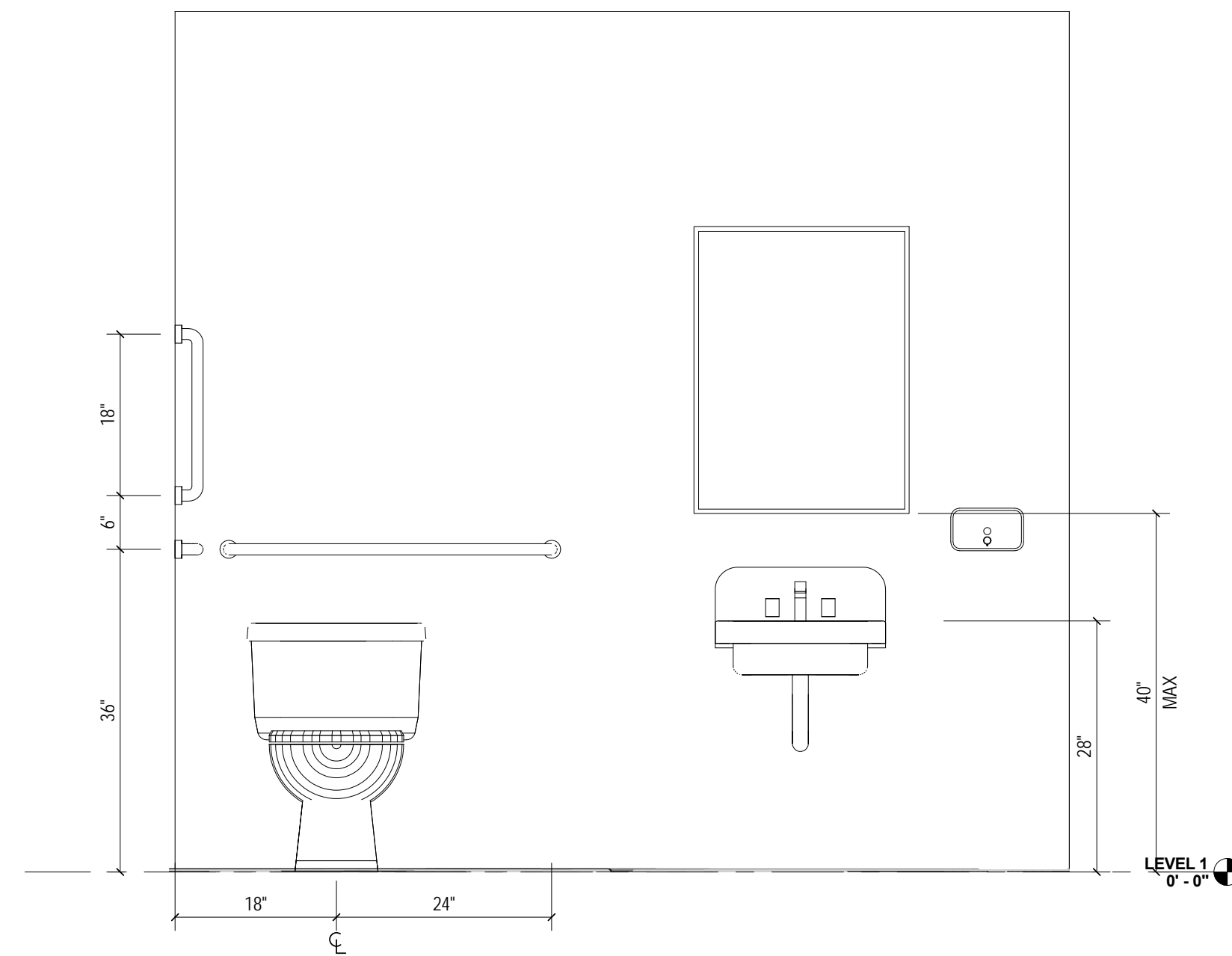
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WALL SECTION AND
DETAIL

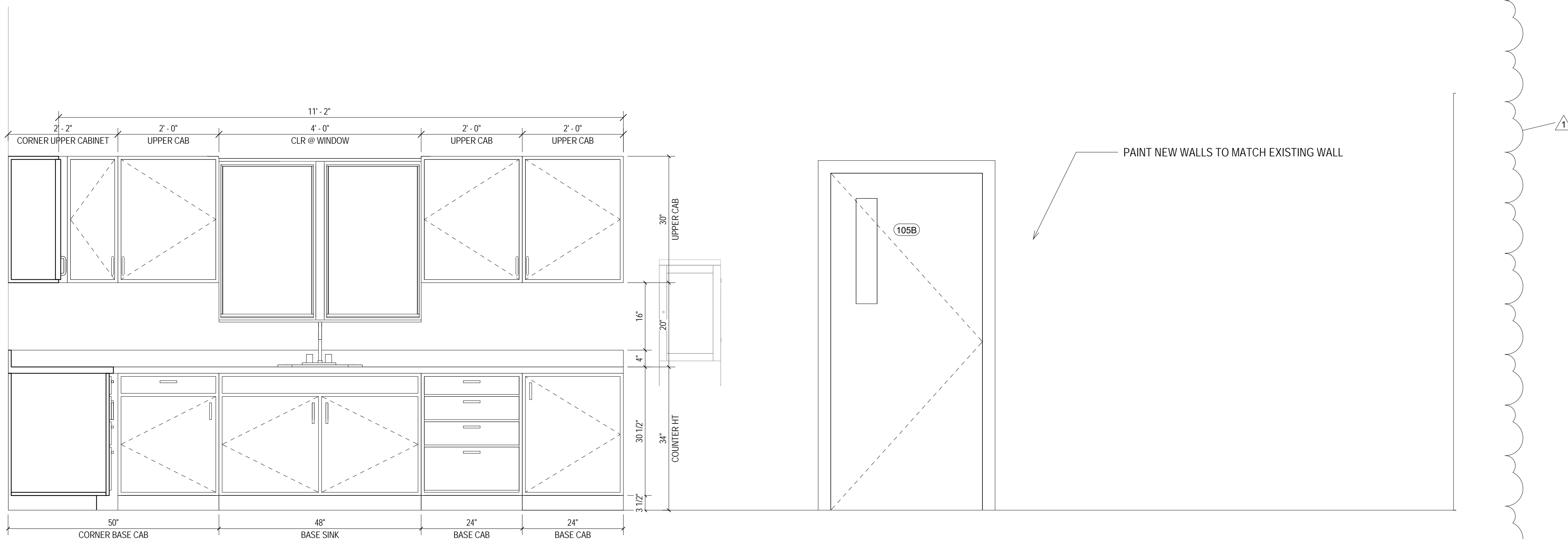
A4-0



2 NORTH KITCHEN ELEVATION
3/4" = 1'-0"



3 RESTROOM ELEVATION
3/4" = 1'-0"



1 WEST KITCHEN ELEVATION
3/4" = 1'-0"

1

DOOR SCHEDULE													
DOOR NUMBER	WIDTH	HEIGHT	THICKNESS	DOOR ELEVATION	DOOR MATERIAL	DOOR FINISH	FIRE RATING	HARDWARE	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	Count	COMMENTS
104	3'-0"	6'-8"	0'-1 3/4"	A	HM	PAINT TO MATCH EXISTING		SET 2				1	
105B	3'-0"	6'-8"	0'-1 3/4"	A	HM	PAINT TO MATCH EXISTING		SET 1	WRAP AROUND	HM	PNT	1	
107A	3'-0"	6'-8"	0'-1 3/4"	A	HM	PAINT TO MATCH EXISTING		SET 2	WRAP AROUND	HM	PNT	1	
107B	3'-0"	6'-8"	0'-1 3/4"	A	HM	PAINT TO MATCH EXISTING		SET 2	WRAP AROUND	HM	PNT	1	
109	3'-0"	6'-8"	0'-1 3/4"	A	HM	PAINT TO MATCH EXISTING		SET 2	WRAP AROUND	HM	PNT	1	
110	3'-0"	6'-8"	0'-1 3/4"	A	HM	PAINT TO MATCH EXISTING		SET 2	WRAP AROUND	HM	PNT	1	
112	3'-0"	6'-8"	0'-1 3/4"	B	HM	PAINT TO MATCH EXISTING		SET 3	WRAP AROUND	HM	PNT	1	
113	3'-0"	6'-8"	0'-1 3/4"	B				SET 3				1	TO BE RELOCATED PER PLAN
200	2'-6"	5'-0"	0'-1 3/4"	A	HM	PAINT TO MATCH EXISTING		SET 4	WRAP AROUND	HM	PNT	1	

1

A

6'-8"

SEE SCHEDULE

SEE SCHED

MATERIAL: SOLID CORE WOOD

FINISH: PLANE SLICED BIRCH, PAINT TO MATCH EXISTING

GLAZING: YES

GLAZING REQMTS: N/A

B

SEE SCHED

MATERIAL: SOLID CORE WOOD

FINISH: PLANE SLICED BIRCH, PAINT TO MATCH EXISTING

GLAZING: NO

GLAZING REQMTS: N/A

1

4'-0"

3'-6"

7'-0"

3'-6"

HEAD

A

TYPE: FIXED STOREFRONT

1

FINISH SCHEDULE								
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL	COMMENTS
101	RECEPTION	RECYCLED RUBBER FLOOR	RUBBER BASE TO MATCH EXISTING					
104	DIRECTOR OFFICE	RECYCLED RUBBER FLOOR	RUBBER BASE TO MATCH EXISTING					PAINT WALL TO MATCH EXISTING
106	BREAK ROOM	RECYCLED RUBBER FLOOR	RUBBER BASE TO MATCH EXISTING					PAINT WALL TO MATCH EXISTING
107	SHARED OFFICE	RECYCLED RUBBER FLOOR	RUBBER BASE TO MATCH EXISTING					PAINT WALL TO MATCH EXISTING
108	CORRIDOR	RECYCLED RUBBER FLOOR	RUBBER BASE TO MATCH EXISTING					PAINT WALL TO MATCH EXISTING
109	ASSISTANT DIRECTOR OFFICE	RECYCLED RUBBER FLOOR	RUBBER BASE TO MATCH EXISTING					PAINT WALL TO MATCH EXISTING
110	OFFICE	RECYCLED RUBBER FLOOR	RUBBER BASE TO MATCH EXISTING					PAINT WALL TO MATCH EXISTING
112	RESTROOM	EXISTING	EXISTING TO REMAIN					CLEAN AND RE-PAINT WALL TO MATCH EXISTING
113	RESTROOM	RECYCLED RUBBER FLOOR	RUBBER BASE TO MATCH EXISTING					PAINT WALL TO MATCH EXISTING
200	ATTIC	PLYWOOD						

FINISH LEGEND

CONC

CPT

CTIL

EXP

SEAL

GYP

PNT

PTIL

RB

SEAL

STN

VCT

WVC

WD

CONCRETE

LOW VOC CARPET

CERAMIC TILE

EXPOSED BRICK - CLEAN +

GYPSUM WALL BOARD

LOW VOC PAINT

PORCELAIN TILE

RUBBER BASE

LOW VOC SEALER

LOW VOC STAIN

VINYL COMPOSITION TILE

VINYL WALL COVERING

WOOD



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MIDDLE STREET OFFICE

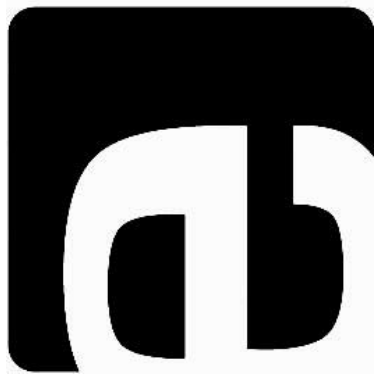
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SCHEDULES