INVITATION FOR BIDS

Battle Creek Unlimited 4950 W Dickman Road, Ste 1 Battle Creek, MI 49037

Construction Services Southwest Michigan Accelerator Kitchen

EDA Award #06-01-06174

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Key Dates

Request for proposals issued	12:00 p.m., August 30, 2022
Mandatory pre-bid meetings/site tours	12:00 p.m., September 6, 2022
	12:00 p.m., September 9, 2022
Contractor inquiries due	12:00 p.m., September 16, 2022
Responses to inquiries posted	5:00 p.m., September 22, 2022
Bids due	5:00 p.m., September 29, 2022
Bids opened	8:00 a.m., September 30, 2022
Anticipated bid awarded	October 7-14, 2022

Section A – Instructions to Bidders

1. Project partners

Battle Creek Unlimited ("BCU" or "Developer") is the recipient of EDA grant dollars in partnership with St. Philip Parish/Diocese of Kalamazoo ("Church" or "Owner") and Driven Design Studio ("Architect"). The arrangement is described more particularly in Section B – Scope of Work.

2. Mandatory pre-bid meetings

Prospective Contractors shall be required to attend at least one of the two pre-bid meetings/site tours. Bids submitted by any Contractor who failed to attend one of the pre-bid meetings/site tours will not be opened.

3. Examination of bid document

Before submitting a bid, bidders shall carefully examine the specifications and shall fully inform themselves as to all existing conditions and limitations. The bidder shall indicate in the bid the sum to cover the cost of all items included on the bid form.

4. Preparation of bid

Bid packages shall be typed. The bid shall be legally signed, and the complete address of the bidder given thereon. Confidentiality is guaranteed until the specified opening date and time. Bids submitted by fax will not be accepted.

5. Explanation to bidders

Any binding explanation desired by a bidder regarding the meaning or interpretation of the invitation for bid and attachments must be requested in writing at least five business days before the bid opening so a replay may reach all prospective bidders before the submission of bids. Any information given to a prospective bidder concerning the invitation for bid shall be furnished to all prospective bidders as an addendum if such information would be prejudicial to uninformed bidders.

6. Withdrawal of bids

Bids may be withdrawn by a bidder or authorized representative, but only if the withdrawal is made prior to the exact time set for receipt of bid. No bid may be withdrawn for at least 90 days after bid opening.

7. Alternate bids

Bidders are cautioned that any alternate bid, unless specifically requested or any changes, insertions, or omissions to the terms and conditions, specifications, or any other requirement of this invitation to bid may be considered nonresponsive, and at the option of the issuer, result in rejection of the alternate bid.

8. Award

The bid will be awarded to that responsible, lowest, responsive bidder whose bid, conforming to this solicitation, will be most advantageous to BCU, price and other factors considered. Any bidder who is in default to BCU at the time of submittal of the

bid shall have their bid rejected. BCU reserves the right to clarify any contractual terms with the concurrence of the Bidder; however, any substantial non-conformity in the offer, as determined by BCU and its appointed designees, shall be deemed non-responsive and the offer rejected.

In evaluating bids, BCU shall consider the qualifications of the bidders, and where applicable, operating costs, delivery time, maintenance requirements, performance data, and guarantees of materials and equipment. In addition, BCU may conduct such investigations as BCU deems necessary to assist in the evaluation of a bid and to establish the responsibility, qualifications, and financial abilities of the bidders to fulfill the contract.

9. Compliance with local construction requirements

The Recipient will comply with current local building codes, standards, and other requirements applicable to the Project.

10. Currency

Prices calculated by the bidder shall be stated in U.S. dollars.

11. Unit prices

When the bid for the work is to be submitted on a unit price basis, unit price bids will be accepted on all items of work set forth in the bid, except those designated to be paid for as a lump sum. The estimated quantities of work to be done is tabulated in the Bid and although stated with as much accuracy as possible, are approximate only and is assumed solely for the basis of calculation upon which the award of contract shall be made. Payment to the Contractor will be made on the measurement of the work actually performed by the Contractor as specified in the Contract. Unit prices will prevail in event of discrepancy and in bid tabulations.

12. Payment of retainage

The Developer may withhold up to ten percent (10%) of disbursements from the awarded Contractor at its sole discretion. Any withheld disbursements shall be paid to Contractor within 30 days of completing the project.

13. Overhead and profit for change orders

Any additional work shall not begin until a change order has been approved by the Developer. Overhead includes telephone charges, postage, photos, photocopying, hand tools, simple scaffolds, tool breakage, tool repairs, tool replacement, tool blades, tool bits, home office estimating and expediting, home office clerical and accounting support, home office labor, legal services, travel, and parking expenses. The cost of overhead and profit on change orders shall be 15% for extra work completed by the Contractor with its own labor and 7.5% for extra work completed by a Subcontractor of the Contractor.

14. Insurance

Contractor and Subcontractors shall be always required for the duration of the project to maintain Workers' Compensation Insurance, Employers Liability Insurance, Commercial

Automobile Liability Insurance (including Michigan No-Fault Coverages), Comprehensive Public Liability Insurance, and Builders' Risk Insurance. See Section E for more information.

15. Late bids

Any bid received at the email address designated herein after the exact time specified for receipt will not be considered.

16. Delivery

Bids, including any attachments or other supporting materials, shall be submitted to smak@bcunlimited.org.

17. Federal participation disclosure

This project will be partially funded with Federal funds from the United States Department of Commerce, Economic Development Administration and therefore is subject to the Federal laws and regulations associated with that program.

18. Davis-Bacon Act

As amended (40 U.S.C. 3141-3148) Contractor shall comply with the Davis-Bacon Act (40 U.S.C. 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). In accordance with the statute, contractors shall pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination as included in this Invitation for Bid. Contractors shall pay wages not less than once a week. Contractor shall not induce, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which they are otherwise entitled.

19. Clean Air Act

Contractor shall comply with all applicable standards, orders, or requirements issued under Clean Air Act (42 U. S.C. 7401 et seq.) and the Federal Water Pollution Control Act (33 U.S.C. 1251 et seq.), as amended. For contracts and subcontracts of amounts in excess of \$100,000 the contractor or subcontractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401 et seq.). Violations shall be reported to the Federal awarding agency and the Regional Agency (EPA).

20. Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)

Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose any lobbying with nonfederal funds that takes place in

connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient.

21. Debarment and Suspension (E.O.s 12549 and 12689)

No contract shall be made to parties listed on the General Services Administration's List of Parties Excluded from Federal Procurement or Non-procurement Programs in accordance with E.O.s 12549 and 12689, "Debarment and Suspension." This list contains the names of parties debarred, suspended or otherwise excluded by agencies, and contractors declared ineligible under statutory or regulatory authority other than E.O. 12549. Contractors with awards that exceed the small purchase threshold shall provide the required certification regarding its exclusion status and that of its principal employees.

22. Contract Work Hours and Safety Standards Act

All contracts in excess of \$100,000 that involve the employment of mechanics or laborers must comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor shall compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions that are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

23. Clean Air Act for contracts in excess of \$150,000

Contractor shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). The City will report violations to the Regional Office of the Environmental Protection Agency (EPA).

Additionally, Contractor shall comply with the following EDA requirements and Federal regulations for this project:

24. The National Historic Preservation Act of 1966

As amended (54 U.S.C. § 300101 et seq.), and the Advisory Council on Historic Preservation Guidelines (36 CFR part 800), which require stewardship of historic properties in projects involving Federal funds.

25. Preservation of Historical and Archeological Data (54 U.S.C. § 312502)

Which requires appropriate surveys and preservation efforts if a Federally licensed project may cause irreparable loss or destruction of significant scientific, prehistorical, historical, or archeological data.

26. The Architectural Barriers Act of 1968

As amended (42 U.S.C. § 4151 et seq.), and the regulations issued thereunder, which prescribe standards for the design and construction of any building or facility intended to be accessible to the public or that may house handicapped employees.

27. Executive Order 13717

"Seismic Safety of Federal and Federally Assisted or Regulated New Building Construction", which requires that new buildings constructed with Federal assistance comply with the earthquake-resistant design provisions of the 2015 editions of the International Building Code (IBC) or the International Residential Code (IRC), nationally recognized building codes promulgated by the International Code Council (ICC), or equivalent codes, consistent with the provisions of and to the extent required by 40 U.S.C. § 3312.

28. NAGPRA and State Historic Preservation Requirements

If any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) or archaeological evidence is discovered during any phase of this project, the Miami Tribe requests immediate consultation with the entity of jurisdiction for the location of discovery. In such a case, please call (918) 541-8966 or email dhunter@miamination.com to initiate consultation. Further, if artifacts or bones are discovered, please also notify the Michigan State Historic Preservation Office immediately.

Section B – Scope of Work

1. Introduction

1.1 Contractor shall complete the agreed upon construction project according to the agreed upon drawings and specifications for the Southwest Michigan Accelerator Kitchen located at 30 E Van Buren St., Battle Creek, MI 49015. This project is summarized as:

The project will consist of constructing the Southwest Michigan Accelerator Kitchen with approximately 23,000 SF existing historic building and a new 440 SF addition between one lower level, three main levels, loft, and loading dock. The project components include, without limitation, patching and replacement of damaged roof tiles, exterior tuckpointing, replacing windows, new entrances, mechanical, electrical, plumbing, fire protection, elevator, resurfacing the asphalt parking lot, parking striping and all related appurtenances.

1.2 The Developer and Owner have retained and authorized the Architect to inspect and approve work done by Contractor.

2. General Conditions

2.1 Site Safety

Contractor shall take whatever precautions may be necessary to render any portion of the work site secure in every respect, or to decrease the probability of accident from any cause, or to avoid contingencies which are likely to delay the completion of the work.

All machinery and equipment and other physical hazards shall be guarded in accordance with the safety provisions of the Manual of Accident Prevention in Construction of the Associated General Contractors of America and in accordance with Federal, State or Municipal laws and regulations applicable to such safety measures.

2.2 Job Trailer

Trailer space is available at the site for use by Contractor to use for construction coordination and administration. If such space is needed, Contractor shall supply a job trailer.

2.3 Debris Disposal

Contractor shall remove all generated demolition and construction debris and trash from the site on a regular basis. Disposal of these materials is Contractor's responsibility and must done in a manner consistent with all applicable Local, State, and Federal laws.

2.4 Asbestos and Lead Paint

Contractor shall be advised of the potential presence of asbestos and/or lead paint that may be discovered at work site in its preexisting conditions.

2.5 Plant, Tools, and Equipment

Contractor shall furnish all materials, tools, equipment, and appliances of every sort or kind that may be necessary to complete the scope of work in this Agreement. Any equipment which may be regarded as inefficient or unsuitable may be ordered repaired or removed from the site. Contractor shall assume full responsibility for the adequacy of equipment and failure of Architect to order its repair or removal shall not relieve Contractor of any obligation under this Agreement.

2.6 Public Convenience

Contractor shall always conduct the work in such manner as to insure the least obstruction to traffic. Materials and equipment can be stored on site with the security of those materials and equipment being the sole responsibility of the Contractor.

2.7 Protection and Restoration of Property

Existing facilities, including but not limited to grounds, structures, utilities, amenities, landscaping, fixtures, surfaces and building systems in the vicinity of Contractors work shall be protected by Contractor. Any damage to existing facilities shall be reported to the Developer and the Architect on the day such damage occurs. Contractor shall promptly repair damage with like materials when ordered to do so by the Developer and the Architect at Contractor's expense. All repairs of damage to existing facilities shall be made to the satisfaction of the Developer, Owner, and Architect. Failure to repair damage shall be just cause for withholding payment for work, when it becomes due.

Contractor shall call "Miss Dig" a minimum of three (3) working days prior to beginning construction operations in the vicinity of any public utilities and shall be responsible for the repair of damage to any such utility at no cost to the Developer and the Architect.

2.8 Toilet Accommodations

Contractor shall provide restroom facilities (job trailer or porta john) for all Contractor's and subcontractor's personnel to use.

3. Scheduling and Coordination

3.1 Point of Contact for Construction Scheduling and Inquiries

All work is to be scheduled at least five (5) business days in advance and coordinated through: Adam Reid, smak@bcunlimited.org, 269.579.5228

3.2 Site Access

Contractor will have unrestricted access to the site upon the start of work. Contractor will maintain secured access for Contractor's personnel and subcontractors. Developer and Architect will also have access to the site but will coordinate with Contractor for site visits.

3.3 Work Schedule

There are generally no restrictions on the hours and days that Contractor may perform work at the site. However, Contractor shall notify Developer and Architect of its planned work schedule.

3.4 Interruptions to Neighbors

Any activity by Contractor or its subcontractors that will require a temporary interruption to ingress/egress to the building or significant disruptions to neighbors should be scheduled at least two (2) days in advance to provide the Developer and Architect with an opportunity to notify neighbors if necessary.

3.5 Construction Progress Meetings

Contractor and subcontractor's representatives are required to attend regularly scheduled on-site construction progress meetings with the Developer and Architect. Progress meetings will be held at least once every two weeks and frequency may be increased to weekly during peak construction periods.

Section C – Cost Proposal

1. Cost Proposal

Unless otherwise noted by the Contractor and agreed to in writing by the Developer and Architect, all costs associated with the scope of work are itemized in this Cost Proposal taking the following into consideration:

1.1 Taxes

Developer is exempt from Federal Excise Tax and Michigan Sales tax and these shall not be included in this cost proposal, invoiced or charged to the Developer.

1.2 Variances

Where a variance exists or other discrepancies are noted between prices on this Cost Proposal Form and prices specified elsewhere in Contractor's proposal, the pricing shown on this Cost Proposal Form shall prevail.

1.3 Quality

All materials used for the manufacture or construction of any items to be provided under this Agreement shall be new, unless approved by Developer and Architect. Pricing must be for items in new condition representing the latest model of the best quality and highest grade of workmanship, unless the option to include supplemental proposals for preowned, or demonstrator equipment or materials has been specified by the Developer and Architect.

1.4 Delivery Provisions

All pricing is to be based upon the delivery terms of Free on Board, 30 E Michigan Ave, Battle Creek, Michigan. Title to the purchased goods does not pass to the Developer/Architect until the item(s) is installed and accepted by the Developer/Architect.

1.5 Invoices

All invoices must reference Southwest Michigan Accelerator Kitchen Project, itemize services rendered, and be emailed to: smak@bcunlimited.org and carbon copy cody@drivendesignstudio.com. Cody at Driven Design, the Architect, will review all invoices along with BCU.

1.6 Cost table

Only costs directly related to the delivery of the requirements within scope of work should be included in the tables below. Contractor may attach more detailed pricing information and additional items and costs for consideration. Mark N/A for any Divisions or areas that don't have any costs.

	Costs			
Scope of Work Category and Detail	Materials	Labor	Total	
Div. 1 General Conditions				
Div. 2 Site Work				
Div. 3 Concrete				
Div. 4 Masonry				
Div. 5 Metals				
Div. 6 Wood and Plastics				
Div. 7 Thermal and Moisture Protection				
Div. 8 Doors and Windows				
Div. 9 Finishes				
Div. 10 Specialties				
Div. 11 Equipment				
Div. 12 Furnishings				
Div. 13 Special Construction				
Div. 13 Special Construction - Fire Prot.				
Div. 15 Mechanical				
Div. 15 Mechanical - Plumbing				
Div. 15 Mechanical - HVAC				
Div. 16 Electrical				
Supervision				
Overhead and Management Fees				
Bonds				
Permits				
Other (specify):				
TOTAL				

Section D – Subcontractor Information

1. Subcontracting information

Using the table below, provide information regarding the subcontractors that will work to fulfill the requirements of this contract. Submit as complete a list as possible at the time of your bid. You will have two business days after the bid opening to update the list as needed.

2. Instructions

Nature of contract – Give a brief description of the work or product that will be provided.

Bidder – Provide the percentage of services or construction activity that will be provided by your firm

Subcontractors -

- Provide the name and address for each subcontractor providing services or construction activities for this contract
- Provide the percentage or the dollar amount of the contract work they will perform

If there are not enough lines in the table below, make additional copies as needed.

Percent of total contract

PROGRESS SCHEDULE

Schedule to be provide	ed upon notification of contract award	l.		
Project: Southwest Michigan Accelerator Kitchen Outline of proposed order of work for major items included in bid. If approved, this outline will become part of the contract.				

Section E – Insurance Requirements (*also found in Construction Agreement)

- 1. <u>Insurance</u>. Prior to the commencing the Work, Contractor shall furnish Developer with appropriate certificates or other evidence of the following insurance coverages for Contractor and any subcontractors:
- (i) Workers' compensation insurance on all employees engaged in the work under and pursuant to this Agreement covering all liability for workers' compensation under the laws of Michigan;
 - (ii) Employers liability insurance in the amount of not less than \$500,000 for each occurrence;
- (iii) Commercial automobile liability insurance including Michigan No-Fault Coverages, with limits of liability not less than \$1,000,000 per occurrence, combined single limit for Bodily Injury, and Property Damage. Coverage shall include all owned vehicles, all non-owned vehicles, and all hired vehicles; and
- (iv) Comprehensive public liability insurance on an "Occurrence Basis" with limits of liability not less than \$1,000,000 per occurrence and aggregate. Coverage shall include the following extensions: (A) Contractual Liability; (B) Products and Completed Operations; (C) Independent Contractors Coverage; (D) Broad Form General Liability Extensions or equivalent, if not already included and (E) XCU coverage if the nature of the contract requires XC or U work.

Developer and Owner as well as their employees, volunteers, and board members shall be reflected as an additional insured with respect to all liability coverages, and all such coverages shall provide that no insurance shall be cancelled or materially altered without thirty (30) days' prior written notice to the Developer and Owner or cancelled for nonpayment of a premium without ten (10) days prior notice to Develop and Owner. If Contractor fails to obtain any insurance required by this section, Developer may, at its option, obtain the same for Contractor and deduct the cost thereof from any payments to be made by Developer under this Agreement. Contractor's insurance is primary to any insurance obtained by Developer as the Developer's insurance is considered excess, contingent and non-contributory. Each policy of Contractor shall include a waiver of subrogation and Contractor hereby waives all rights against Developer and Owner for damages caused by fire or other causes of loss to the extent covered or required herein to be covered by insurance.

2. <u>Builders Risk Insurance</u>. Contractor shall purchase and maintain, from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located, property insurance written on a builder's risk "all-risks" completed value or equivalent policy form and sufficient to cover the total value of the entire Project on a replacement cost basis. The Contractor's property insurance coverage shall be no less than the amount of the initial Contract Sum, plus the value of subsequent Change Orders and labor performed and materials or equipment supplied by others. The property insurance shall be maintained until Final Completion and unless otherwise provided in the Contract Documents or otherwise agreed in writing by the parties to this Agreement. This insurance shall include the interests of the Developer, Owner, Construction Manager, and Subcontractors in the Project as insureds. This insurance shall include the interests of mortgagees as loss payees.

Contract Form EDA Award #06-01-06174

CONSTRUCTION AGREEMENT

THIS CONSTRUCTION AGREEMENT ("Agreement") is made on the	day of
, 2022 ("Effective Date"), between	, ("Contractor"), and
Battle Creek Unlimited, whose address is 4950 W. Dickman Road, Suite 1, Battle	Creek, Michigan 49037
("Developer"). Developer and Contractor are each individually referred to as a "Party	" and collectively as the
"Parties." In consideration of the mutual covenants contained in this Agreement, the Partie	es agree as follows:

PRELIMINARY STATEMENT

- 3. <u>Property</u>. Paul J. Bradley, Bishop of the Roman Catholic Diocese of Kalamazoo, Michigan, and his successors in office in trust for the St. Philip Parish, Battle Creek, Michigan ("Owner") is the owner of the real property situated in Calhoun County, City of Battle Creek, Michigan, more commonly known as 30 E. Van Buren, Battle Creek, Michigan 49017 ("Property"). The Property is occupied by the St. Phillip Parish.
- 4. <u>Developer</u>. Pursuant to a written agreement with Owner, Developer is developing the Property by constructing an addition and renovating the historic building located on the Property for use as an accelerator kitchen (the "Project"). Contractor acknowledges that the Project has received an award from the United States Department of Commerce Economic Development Administration ("EDA") to provide funding for the Project. Since this Project will be partially funded with Federal funds from the EDA, it is subject to the Federal laws and regulations associated with that program. Contractor agrees it shall be subject to any requirements imposed by EDA and agrees to comply with any such requirements.
- 5. <u>Work.</u> Developer desires to contract with Contractor to perform the work for the Project, and Contractor desires to accept the engagement, to perform construction services to fully construct the Project and perform the Work described in the Contract Documents (as defined below) (collectively, "Work") in accordance with the terms of this Agreement. The Contract Documents consist of the following: (i) This Agreement as fully executed by the Parties; (ii) the Drawings and Specifications dated February 12, 2022, prepared by Driven Design Studio PLLC ("Architect"); and (iii) any Change Order or Change Directives signed by Developer.

6. General Scope of Services.

- 6.1. Developer and Contractor acknowledge and agree that the Project consists of the construction of an addition and the renovation of the existing historic building on the Property, as this Work is more particularly described in the Contract Documents. Contractor further acknowledges and agrees that it shall be responsible for carefully reviewing the Drawings, Specifications and other Contract Documents, most of which were prepared by Architect before construction commences and, based on its standard of care in Section 3.2 below as a contractor, promptly notify Architect and Developer of any discrepancies in the Contract Documents and other concerns that might create a violation of Applicable Laws or challenges in obtaining necessary permits and approvals for construction of the Project. If Contractor shall fail to perform in accordance with these requirements, Contractor shall be responsible to Developer for all additional costs it incurs to the extent of Contractor's failure.
- 6.2. Contractor accepts a relationship of trust and confidence in favor of Developer and covenants with Developer to, at a minimum, perform the Work in good faith and in a manner consistent with contractors of similar experience in projects similar to the Project and agrees to furnish its services for the Project in an expeditious and economic manner so as to at all times promote the best interest of, and to the satisfaction of, Developer. Contractor recognizes there is an extra degree of care required to construct the Work with respect to safety, protection of certain infrastructure, construction means and methods, cleanliness of the site, health standards and compliance with other Applicable Laws, and protection of existing utilities,

adjacent streets, and property. Developer assumes no responsibility or liability for the physical condition or safety of the Work and the Property.

- 6.3. Contractor shall, and shall cause its Subcontractors to, perform the Work in accordance with good and sound practices within the construction industry, generally prevailing and accepted industry standards applicable to the Work, requirements of any warranties applicable to the Work and all applicable laws, rules, regulations, codes and ordinances ("Applicable Laws"). Additionally, Contractor, and any Subcontractors, shall comply with the EDA Requirements more specifically set forth on Exhibit A.
- 6.4. Contractor has examined the Contract Documents describing the Work (as required in Section 3.1), condition of the Property where the Work will be performed (including verification of field conditions, current improvements, and utility locations), become familiar with local conditions, procured all investigative reports required for the Project, investigated the nature, locality and site of the Project and the conditions in which the Work is to be performed, all of which has allowed Contractor to establish the Construction Schedule and the Contract Sum. Contractor is not relying upon any opinions or representations of Developer or any of Developer's agents or representatives. Contractor has required, or will require, all Subcontractors to perform the same examination for the portion of the Work they will be performing, and has entered into this Agreement on the basis of its own investigations and those of its Subcontractors.
- 6.5. Contractor recognizes that any information requiring the expertise or report of a professional, such as a surveyor, architect or other consultant, shall not be a representation or warranty by Developer of its accuracy or completeness. Contractor and its Contractor's Agents must carefully examine in accordance with its standard of care under this Agreement all reports and other information furnished by or through Developer for completeness and accuracy for Contractor's performance of its Work.
- 6.6. In accordance with the Construction Schedule, Contractor shall fully execute the Work, including, but not limited to, construction and other services required by this Agreement, which shall further include all labor, supervision, materials, equipment, and services provided or to be provided by Contractor to fulfill its obligations, and to perform any additional services not specifically described in the Work if such services are consistent with this Agreement and a reasonable inference may be drawn from them that these services are necessary to produce the results intended by this Agreement.
- 6.7. To the extent that different options may be selected by Developer regarding the Work, Developer shall notify Contractor of Developer's selections within seven (7) days after notice from Contractor that selection of the applicable option must be made in order to avoid delays in completion of the Project. In the event Developer fails to timely make any selection, Contractor may, with prior notice to Developer, either proceed with construction with one of the available options or delay construction as an Uncontrolled Condition (as defined below) in accordance with such procedure set forth below until the selection is made by Developer. In the event Contractor elects to delay construction as an Uncontrolled Condition, Developer shall be responsible for all reasonable out-of-pocket additional costs incurred by Contractor as a result of such delay. Notwithstanding the foregoing, Contractor agrees that all options for selection shall be documented in and furnished to Developer in accordance with the Construction Schedule.
- 6.8. Contractor may suggest alternative cost saving approaches for consideration by Developer, however any alternatives suggested by Contractor must be approved by Developer prior to incorporation into the Work.
- 6.9. Contractor shall comply with Developer's then current internal policies, procedures and rules applicable to Developer's personnel and/or safety requirements associated with the Work. Developer may require such parties to complete subsequent vendor orientation programs from time to time during the term of this Agreement and their attendance shall be mandatory and without charge to Developer.
- 7. <u>Time for Completion</u>. Contractor shall (i) use reasonable efforts to commence the Work by November 1, 2022, (ii) achieve Substantial Completion by November 30, 2023, and (iii) achieve Final Completion by December 31, 2023, ("Construction Schedule"), and Contractor shall perform the Work in accordance with this Construction Schedule. The Construction Schedule may not be revised without Developer's written approval. Neither

the Substantial Completion date nor the Final Completion date, as established in the Construction Schedule, shall be extended except when mutually agreed upon in writing by Developer and Contractor.

- 7.1. The Project shall be deemed to have achieved "Substantial Completion" when all of the following have occurred: (i) The Work or, if the Contract Documents permit the Work to be completed in phases, the designated portion thereof is sufficiently complete in accordance with the Contract Documents so that Developer can occupy or utilize the Project or if a phased Project, the portion thereof for its intended use; (ii) Developer's architect, Driven Design Studio PLLC, 117 West Michigan Avenue, Battle Creek, Michigan 49017 ("Architect"), has signed and delivered to Developer a "Certificate of Substantial Completion" certifying that the Work is constructed in accordance with the Contract Documents and any Developer signed Change Orders and Construction Change Directives; (iii) All warranties, manuals, certificates of inspection, tests and approvals, copies of all test results and as-built documents for the Project are delivered to Developer as required for the Work, and Contractor has furnished Developer with a loose leaf binder and electronic file in mutually agreeable format compiling all warranties, instructions, procedures and schedules for proper service, maintenance and use of the Project; and (iv) Only Punch List Items (as defined below) remain to be completed.
- 7.2. "Final Completion" shall deem to have occurred when all of the following have occurred: (i) All Punch List Items are completed to the satisfaction of Developer; (ii) Developer can use the Property and the Work for its intended purpose; (iii) All other documents establishing payment or satisfaction of obligations, including, without limitation, releases and waiver of liens, claims, security interests or encumbrances arising out of this Agreement (to the extent and in such form as shall reasonably be approved by Developer) are signed and delivered to Developer and Developer has verified payment; (iv) All other conditions precedent to final payment under this Agreement have been satisfied; and (v) Contractor has delivered final, as-built drawings to Developer.
- 7.3. "Punch List Items" are only such unfinished portions of the Work which are incidental portions of the Work, will not hinder or prevent Developer's occupancy and do not total in the aggregate more than five percent (5%) of the Contract Sum to complete. Punch List Items, if any, shall be completed as soon as reasonably possible but in any event within thirty (30) days after Substantial Completion, subject to Uncontrolled Conditions (as defined below) which shall extend the time period to complete the Punch List Items by a reasonable period of time necessary to complete the Punch List Items impacted by the Uncontrolled Condition but not to exceed an additional sixty (60) days.
- 7.4. Neither the Substantial Completion date nor the Final Completion date, as established in the Construction Schedule, shall be extended except (a) when mutually agreed upon in writing by Developer and Contractor, or (b) for reasonable periods of time resulting from delays caused by "Uncontrolled Conditions" which are expressly and only defined as unusual and unanticipatable weather conditions, power/water/fuel outages or shortages, war, acts of terrorism, national material shortages, fire or other casualty, and acts or omissions of Developer in breach of this Agreement (including those arising from Section 3.7 above), its agents or employees (as defined below) and in each of the foregoing instances that directly and materially cause a delay in Contractor's Work; provided in each of the foregoing events Contractor notifies Developer (i) within twenty-four (24) hours by telephone or electronic mail of the delay and (ii) follows up in writing detailing the impact to the Construction Schedule within seven (7) days of the occurrence of the Uncontrolled Conditions causing the delay. If the Uncontrolled Condition is caused by Developer as provided above, Contractor shall give Developer notice and three (3) business days to remedy its failure before it may determine whether they are considered Uncontrolled Conditions.

	8.	Price and Payment	Developer shall pay Contra	actor a total price	, in installments described
herein.	The total	price is a firm total	price guaranteed not to ex	xceed	U.S. Dollars
(\$) ("Contract Sum"	. The Contract Sum include	des all the costs	incurred by Contractor in

connection with its performance and completion of the Work and the Project as required by this Agreement, including, but not limited to:

- (i) The cost of site investigations and preparation;
- (ii) The cost of all labor, supervision, materials, equipment (including equipment rentals), utilities and taxes;
- (iii) All governmental costs and fees, including building permits, construction permits, inspections, bonds, insurance or other governmental or municipal requirements;
- (iv) All fees for inspections and certifications required of the Work;
- (v) All reimbursable costs (e.g., telephone, reproduction, utilities and travel costs);
- (vi) All labor and employment costs, including all overtime and fringe benefits;
- (vii) All profit and overhead, including all costs to maintain insurance, administrative offices, and the like; and
- (viii) All cleanup costs.

Contractor acknowledges that developer is exempt from Federal Excise Tax and Michigan Sales Tax and these costs shall not be included in the Contract Sum or otherwise invoiced or charged to Developer. Payments due under this Contract shall be paid within thirty (30) days from Contractor presenting Developer with a Payment Application (as defined below) issued for periodic progress of work performed to date, in accordance with the Schedule of Values attached as **Exhibit B** attached to this Agreement ("**Schedule of Values**"), or upon Final Completion, along with documentation as required below. However, ten percent (10%) of the Contract Price shall be withheld by Developer until Final Completion and acceptance by Developer ("**Retainage**"). The Contract Sum shall not be changed, subject only to additions and deductions authorized by Developer pursuant to a Change Order or Construction Change Directive. Any costs for the Work in excess of the Contract Sum shall be paid by Contractor without reimbursement by Developer, unless pursuant to this Agreement the Contract Sum has been adjusted by a Change Order to allow such sum to be included in the Contract Sum.

As a condition to Developer's obligation to make payment, Contractor's Payment Application must include (i) an itemized invoice indicating the percentage of the Work completed for each portion of the Work covered by the invoice and showing in detail all costs incurred by Contractor (including Contractor's Agents as defined below) in connection with the preceding month's Work for which Contractor or its Contractor's Agents received payment and consistent with the Schedule of Values of the parties, (ii) a description of the Work that has been completed so that Developer can verify such Work (either independently or by its Architect or Developer's consultant), (iii) fully-executed waivers of liens and sworn statements of Contractor and any or all of its Subcontractors, suppliers, materialmen, laborers, or others working by or through them on the Project, including, without limitation, their employees and agents ("Contractor's Agents"); provided, however, that Contractor shall only be required to provide lien waivers for amounts disbursed for the period up to and including the prior month's progress payment (collectively, "Payment Application").

9. **Final Payment; Suspension of Services; Title to the Work**. Final payment of the balance of the Contract Sum shall be paid by Developer within thirty (30) days after Final Completion, including, without limitation delivery to Developer of unconditional lien waivers for all services and construction performed by Contractor and Contractor's Agents. Any progress payment or final payment not paid fifteen (15) days after when due shall bear interest at the rate of five percent (5%) per annum ("Interest Rate") until paid. Contractor shall have the right to suspend its performance under this Agreement in the event any payment is not made within forty-five (45) days after it becomes due, unless such failure to make payment is the subject of a bona fide dispute between Developer and Contractor in which case, Contractor shall continue to perform under this Agreement and Developer shall pay any amounts that are not in dispute for which Contractor is entitled to payment. Title to the Work, or any portion thereof,

shall vest in Developer upon the earlier of (i) the payment for the applicable Work by Developer, or (ii) incorporation of the portion of the Work into the Project.

10. Subcontractors; Project Management.

- 10.1. Contractor itself may self-perform the Work and supply equipment, materials and supplies for the Project. Such services, equipment, materials and supplies for the Work may instead be supplied by or through subcontractors ("Subcontractors") under separate written subcontracts with Contractor using a form of subcontract, which shall include a Schedule of Values for the applicable Work, that is pre-approved by Developer ("Subcontracts"). All Subcontractors and Subcontracts shall be subject to the approval of Developer, which approval shall not be unreasonably withheld. In addition, all Subcontracts shall designate Developer as a third party beneficiary who is entitled to enforce any and all terms of the Subcontracts upon the neglect or failure of Contractor to do so, freely permit an assignment of the Subcontract upon a termination of Contractor under this Agreement, mandate joinder of the Subcontractor in any dispute between Developer and Contractor if so requested by a Party, and cause all Subcontractors to comply with the terms of this Agreement, including, without limitation, the insurance, indemnification, warranties, bond and audit requirements, and EDA Requirements.
- Contractor agrees that it will perform the Work and all services related thereto under this Agreement (including, without limitation, that it will manage, coordinate and supervise the construction activities under the Subcontracts) irrespective of whether expressly stated in this Agreement, consistent with the standard of care that other similarly situated contractors of similar reputation, experience, and skills would perform and according to standards of professional construction management and good industry practice and Contractor shall endeavor to cause such construction to take place in the most economical and expeditious manner and in a manner which is consistent with the terms and conditions of this Agreement (this Section, together with Section 3.2, is collectively the "standard of care"). The standard of care, however, is not a guaranty, but rather a standard for the Contractor's performance of the Work. Contractor shall cooperate in good faith with the Architect, Developer and it agents but Contractor shall be responsible for construction means, methods, techniques, sequences or procedures used by it and its Contractor's Agents, including the Subcontractors, in performance of the Subcontracts and shall be responsible to Developer for the failure of any Contractor's Agent, including any Subcontractor, in its performance except when Uncontrolled Conditions directly cause Contractor's Agent's failure to perform as required hereunder. In addition, if the Contract Documents specify that Developer will be engaging separate contractors or other vendors (collectively, "Developer's Vendors") to perform work or services concurrently with Contractor's Work at the Property, Contractor's Work shall include coordinating the activities of Contractor and Contractor's Agents with Developer's Vendors to allow timely and coordinated good faith performance by all parties. If Developer's Vendors shall act in bad faith in connection with coordination of activities, Contractor shall immediately notify Developer and Architect of the specific bad faith actions so as to allow Developer or Architect to timely address the issue with Developer's Vendors. Should Contractor fail to timely notify Developer, Developer shall have no liability for any additional costs or delays in Contractor's Work resulting from the bad faith of Developer's Vendors. If notice is given to Developer and Architect, delays resulting from Developer's Vendors' bad faith shall constitute an Uncontrolled Condition.
- 10.3. Contractor shall promptly pay each Contractor's Agent upon receipt of payment from Developer (provided the Subcontract permits payment under such same terms). Provided Developer (i) complies with the applicable provisions of the Construction Lien Act (as defined below), and (ii) gives the Contractor five (5) days' notice and opportunity to either provide a reasonable basis of the reason for a dispute between Contractor and such party or resolves the payment issue. Developer may, but shall not have the obligation, to pay directly to any Contractor's Agent the amount owed as such party has properly documented to Developer under the Construction Lien Act, and deduct such amounts from payment directly to Contractor.
- 10.4. Contractor's project management responsibilities for the Work shall include the following activities: (i) Preparing and circulating weekly written updates of the progress of the Work and benchmarked against the Construction Schedule; (ii) Scheduling a progress meeting with Developer, Architect, and to the extent necessary for the proper or timely completion of the Work, Developer's Vendors at least once every

two weeks or such other time period if specified otherwise by the Contract Documents, and circulating minutes of the meeting for the foregoing parties' review, comment and approval within three (3) days after the meeting; and (iii) Preparing and circulating monthly, and accompanying the Payment Application, a report that specifies any and all delays occurring or likely to occur to the Construction Schedule ("**Delay Report**").

- 11. <u>Changes in Project; Work by Developer</u>. During the course of the Work, Developer or
- 12. Contractor may request changes in the Work ("Change Order"). Contractor shall not perform, and shall not be obligated to perform, any changes in the Work unless and until Developer (through Developer's Project Manager) and Contractor agree in writing to such changes, and any necessary extension of the Construction Schedule and adjustment in the Contract Sum. Neither Contractor nor Architect shall have the right to authorize minor deviations in the Work. Change Orders must be approved by EDA.

Developer may, without invalidating this Agreement, unilaterally require changes in the Work or any component thereof at any time prior to the date of Substantial Completion. If Contractor does not agree to the change and issue a Change Order, Developer may unilaterally issue a Construction Change Directive ("Construction Change Directive"). If the Construction Change Directive changes the Work for which an adjustment in the Contract Sum is warranted, the Contract Sum shall be adjusted based the actual cost of the construction services incurred or no longer required, as applicable, plus a fifteen percent (15%) fee for the cost of construction services if performed by Contractor or seven and one half (7½ %) if performed by a Subcontractor.

- 13. <u>Audit</u>. Upon seven (7) days' written notice, Contractor shall make its records available, as well as its employees available for interview, during normal business hours to Developer and its authorized representative(s) or designee(s).
- 14. <u>Insurance</u>. Prior to the commencing the Work, Contractor shall furnish Developer with appropriate certificates or other evidence of the following insurance coverages for Contractor and any subcontractors:
- (v) Workers' compensation insurance on all employees engaged in the work under and pursuant to this Agreement covering all liability for workers' compensation under the laws of Michigan;
 - (vi) Employers liability insurance in the amount of not less than \$500,000 for each occurrence;
- (vii) Commercial automobile liability insurance including Michigan No-Fault Coverages, with limits of liability not less than \$1,000,000 per occurrence, combined single limit for Bodily Injury, and Property Damage. Coverage shall include all owned vehicles, all non-owned vehicles, and all hired vehicles; and
- (viii) Comprehensive public liability insurance on an "Occurrence Basis" with limits of liability not less than \$1,000,000 per occurrence and aggregate. Coverage shall include the following extensions: (A) Contractual Liability; (B) Products and Completed Operations; (C) Independent Contractors Coverage; (D) Broad Form General Liability Extensions or equivalent, if not already included and (E) XCU coverage if the nature of the contract requires XC or U work.

Developer and Owner as well as their employees, volunteers, and board members shall be reflected as an additional insured with respect to all liability coverages, and all such coverages shall provide that no insurance shall be cancelled or materially altered without thirty (30) days' prior written notice to the Developer and Owner or cancelled for nonpayment of a premium without ten (10) days prior notice to Develop and Owner. If Contractor fails to obtain any insurance required by this section, Developer may, at its option, obtain the same for Contractor and deduct the cost thereof from any payments to be made by Developer under this Agreement. Contractor's insurance is primary to any insurance obtained by Developer as the Developer's insurance is considered excess, contingent and non-contributory. Each policy of Contractor shall include a waiver of subrogation and Contractor hereby waives all rights against Developer

and Owner for damages caused by fire or other causes of loss to the extent covered or required herein to be covered by insurance.

- 15. **Builders Risk Insurance**. Contractor shall purchase and maintain, from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located, property insurance written on a builder's risk "all-risks" completed value or equivalent policy form and sufficient to cover the total value of the entire Project on a replacement cost basis. The Contractor's property insurance coverage shall be no less than the amount of the initial Contract Sum, plus the value of subsequent Change Orders and labor performed and materials or equipment supplied by others. The property insurance shall be maintained until Final Completion and unless otherwise provided in the Contract Documents or otherwise agreed in writing by the parties to this Agreement. This insurance shall include the interests of the Developer, Owner, Construction Manager, and Subcontractors in the Project as insureds. This insurance shall include the interests of mortgagees as loss payees.
- 16. Payment and Performance Bonds. The Construction Manager shall provide payment and performance bonds, from a company or companies lawfully authorized to issue surety bonds in the State of Michigan, in a format acceptable to Developer and EDA and in the amount of 100% of the Contract Sum. The company or companies issuing the bonds must be on the United States Department of Treasury's Listing of Certified Companies. All bonds must be supported by a signed and dated power of attorney issued by the company or companies.
- 17. <u>Indemnity</u>. Contractor shall indemnify, defend (using counsel selected by Developer) and hold Developer, Owner, Developer's lender (if any), and their principals, employees and agents harmless from any and all claims, losses, damages and liabilities arising therefrom including, without limitation, for injury or death to any person or damage or destruction to any property (including reasonable attorneys' fees) arising from or relating to the acts or omissions of Contractor and/or its Contractor's Agents, in the performance or non-performance of its duties under this Agreement or breach of this Agreement. If any party asserts a lien against the Property as a result of services procured by, through, or at the direction of Contractor, or its Contractor's Agents, Contractor shall defend, indemnify, and hold Developer harmless from all damages, liability, losses, and costs, including reasonable attorney fees.
- 18. Construction Lien Act. Developer shall be responsible for recording a notice of commencement and otherwise complying with the requirements of an Owner under the Michigan Construction Lien Act ("Construction Lien Act"). Developer will promptly provide Contractor with a copy of such notice of commencement and copies of any notices of furnishings or claims of liens Developer receives from any Contractor's Agents in connection with the Work for this Project.
- 19. <u>Licenses, Permits, Soils Test, Surveys and Utility Connections</u>. Contractor shall obtain all licenses, permits and approvals necessary for the completion of the Project as soon as reasonably possible during the course of development of the Project and in accordance with the Construction Schedule; provided, however, that Contractor shall not be required to obtain any licenses, permits or approval necessary for the installation by Developer of any equipment, fixtures or furnishing which are not specifically included in the Contract Documents. Further, Contractor shall be responsible for obtaining all additional surveys, soil tests, and utilities necessary for the construction and completion of the Project in accordance with this Agreement, as well as for extending to the Property or otherwise providing all utilities necessary or appropriate for the lawful and proper use of the Project. Developer shall not be responsible for payment of Contractor's costs associated with a delay in issuing a permit, license or utility connection contemplated by this Section, unless such delays are caused by the Architect or Developer's other consultants.
- 20. <u>Clean-Up</u>. As a condition precedent to Substantial Completion being achieved and thereafter as a condition to final payment and Final Completion, Contractor shall remove all waste materials and rubbish from the Property, as well as its tools, construction equipment, machinery, supplies and excess materials, and leave the Project (including the Work and the Property upon which the Work was performed) professionally cleaned in accordance with the Contract Documents. In addition, during the period of construction, Contractor shall maintain the Property in a reasonably neat and clean condition. If Contractor shall fail to comply with this Section, Developer may perform such activities and charge the cost to Contractor, which amount shall be paid by Contractor within five (5) days of invoice or Developer, in its sole discretion, may deduct the amount owed from the Contract Sum. Interest shall accrue at the Interest Rate after the 5-day grace period until paid in full.

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- 21. <u>Warranties.</u> Contractor represents and warrants to Developer the following, which are in addition to, and not in lieu of, any and all other liability imposed upon Contractor by Applicable Laws with respect to Contractor's duties, obligations and performance under this Agreement that:
 - 21.1. Contractor and its Subcontractors are financially solvent, able to pay all debts as they mature, and possess the sufficient working capital to complete the Work and perform all obligations required by this Agreement;
 - 21.2. Contractor is authorized to do business in the State of Michigan and properly licensed (when licensing is required) by all necessary governmental and public and quasi-public authorities having jurisdiction over it and over the Work and the Project;
 - 21.3. Contractor is responsible for all acts or omissions of its employees and all other persons working by or through Contractor on this Project;
 - 21.4. Contractor is entering into this Agreement as an arms-length transaction and is an independent contractor;
 - 21.5. Contractor is properly licensed by the applicable authority to perform the Work, is authorized to do business in Michigan, and the person signing this Agreement on behalf of Contractor is authorized to bind Contractor to the terms of this Agreement.
 - 21.6. Contractor possesses a high level of experience and expertise in the business administration, construction, construction management and superintendence of projects of this size, complexity, and nature of this Project, and it will perform the Work with the care, skill and diligence of such a contractor and in accordance with the standard of care; and
 - The Work, including all materials and equipment furnished under this Agreement, will be of good quality and new unless otherwise required or permitted by this Agreement, that the Work will be free from defects, will not violate the rights of third parties (including patent and copyright licenses), will comply with all performance standards and Applicable Laws, is fit for its intended purposes, and conforms to the requirements of this Agreement. Contractor agrees to perform all Work in such a manner so as to preserve any and all manufacturers' warranties, unless otherwise expressly directed by Developer in writing. If within two (2) years after the Final Completion date ("Correction Period"), any of the Work is found to be not in accordance with the requirements of this Agreement, Contractor shall correct it promptly at its expense after receipt of written notice from Developer to do so. At Developer's option, such correction may be to either repair or replace the Work. Upon completion of the correction, the two (2) year Correction Period warranting the Work shall begin anew with respect to any corrective Work. Between ninety (90) and sixty (60) days prior to the expiration of the Correction Period, Contractor shall perform a walk-through of the Project and identify any non-conforming Work that Contractor must correct as non-conforming Work prior to the expiration of the Correction Period. If Contractor shall fail to correct the Work, or commence and diligently pursue correction of the Work where the corrective Work is of a nature that customarily requires more than thirty (30) days to correct, within thirty (30) days after notice from Developer, Developer may perform the corrective Work and charge Contractor its costs of correction together with interest at the Interest Rate until paid in full. If Contractor shall fail to pay Developer for such cost within thirty (30) days after Developer delivers an invoice for payment, Developer may pursue any and all remedies permitted by law or in equity. In addition, if there are amounts due and owing from Developer to Contractor under this Agreement or any other agreement, Developer may deduct its costs from payments then or thereafter due Contractor for Developer's costs of such correction. Notwithstanding anything to the contrary, the Correction Period is in addition to the manufacturers' warranties and other warranties required or given under this Agreement or the Contract Documents and is not a limitation to such warranties.
- 22. <u>Environmental Matters</u>. If Contractor or Contractor's Agents shall encounter at the Property any hazardous material or substance, Contractor shall, upon recognizing the condition, immediately stop the Work in the affected area and report the condition to Developer in writing, as well as take such reasonable precautions to avoid further danger to people and the Project from such hazardous material or substance and protect the Work from any

damage or destruction caused by stopping Contractor's services. Contractor shall be wholly responsible for the presence of any hazardous material or substance that is caused by the acts or omissions of Contractor or Contractor's Agents and shall be responsible for any damage caused by Contractor's failure to either immediately report the condition to Developer or resulting from Contractor's failure to take reasonable precautions as required above. In such case, Contractor shall reimburse Developer for all costs and expenses incurred by Developer, including administrative expenses, court costs, remediation expenses and actual attorney fees, to render the material or substance harmless, pay for injury or death of the persons, and correct the damage to Work caused thereby. The hazardous material or substance is considered "rendered harmless" when such hazardous material or substance is at a level that does not exceed the applicable exposure standards permitted by Applicable Laws.

- 23. <u>Warranty</u>. In addition to all manufacturer warranties, Contractor warrants that the Work will be free from defects in material and work for a period of one (1) year from the date of Developer's acceptance. Contractor shall promptly cure any defective work. If Developer notifies Contractor of such defects, Contractor, at its option, shall cure and replace defects or defective material promptly at no cost to Developer. Normal wear and tear, any damage caused by acts or omissions of the Developer or any third party, and storm damage are not included in this warranty.
- 24. <u>Dispute Resolution.</u> If there shall occur any dispute, controversy or claim between or among the Parties regarding the breach, interpretation or enforcement of this Agreement or otherwise relating to this Project (in each case a "dispute"), the dispute shall be exclusively resolved in the following manner:
 - 24.1. If a dispute shall arise between Contractor and Developer, as the first step in resolving such dispute, the dispute shall be submitted to the other Party's Project Manager. In the event that the dispute has not been timely resolved by the Project Managers, Contractor and Developer shall each appoint a senior representative with decision-making authority to meet for the purpose of resolving such dispute. The meeting shall take place within fourteen (14) days of written request to the other Party to negotiate with senior representatives.
 - 24.2. If after seven (7) days of negotiation the dispute is not resolved, the dispute shall be referred to non-binding facilitative mediation. The request for mediation shall be filed in writing with the other Party to this Agreement.
 - 24.3. The mediation shall be conducted by a mediator agreeable to Developer and Contractor. In the absence of an agreement on a mediator within fourteen (14) days of the date the request for mediation is filed with the other Party, the mediator shall be named by the American Arbitration Association ("AAA") within seven (7) days thereafter. The mediation shall occur within thirty (30) days from the date the mediator is selected. Only upon the mutual agreement of Contractor and Developer may the 30-day period for mediation be extended for another fourteen (14) days. The Parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the place where the Project is located, in a location selected by the mediator, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.
 - 24.4. Disputes which have not been resolved by mediation may be submitted to a Michigan state court of competent jurisdiction for resolution.

25. **Default and Termination**.

25.1. If either Party fails to comply with this Agreement, the other Party shall give notice of default to the other, and the other shall have five (5) days to cure the default the defaulting Party at its address stated above; provided, however, if the default is of a nature that cannot be reasonably cured within the five-day period, then the defaulting Party shall have a reasonable time thereafter not to exceed fifteen (15) days if the default and the defaulting Party is diligently working in good faith to cure the default; and further provided the foregoing cure periods do not prejudice or materially increase the non-defaulting Party's damages or risks (e.g., no emergency or threatening situation, no material increase risk of consequential damages, etc.) ("Cure Period"). In the event of an uncured default, the non-defaulting Party shall have the right, without terminating this Agreement, to pursue all remedies available under this Agreement and

permitted by law or in equity, including recovery of damages and specific performance. In any such proceeding, the prevailing Party shall be entitled to recover its costs and reasonable attorneys' fees.

- 25.2. In the event of a default by Contractor under this Agreement, Developer shall have the right to terminate this Agreement without prejudice to any other remedy upon expiration of the Cure Period.
- 25.3. Developer may, at any time upon seven (7) days' notice or other time period specified in the notice to Contractor, terminate this Agreement in whole or in part for Developer's convenience and without cause, in which case, Developer shall only be responsible for paying Contractor for Work that was properly completed prior to Developer's date for termination in its notice, and there shall be no penalty or other right to collect additional sums from Developer by Contractor.
- 25.4. In the event of a termination of this Agreement prior to Final Completion for any reason, Contractor shall use reasonable efforts consistent with industry standards to secure all Work from the vandalism and damage and not commit waste on the Property.
- 26. Assignment. Neither Party may assign this Agreement without the prior written consent of the other Party, which consent may be withheld in such Party's sole discretion except that Developer may assign this Agreement, collaterally or otherwise, to a lender of the Project.

27. General.

- 27.1. <u>Enforceability</u>. If any provision of this Agreement is unenforceable in whole or in part, such provision shall be limited to the extent necessary to render the same valid, or shall be excised from this Agreement as circumstances require, and this Agreement shall be construed as if such provision had been incorporated in this Agreement as so limited, or as if such provision had not been included in this Agreement, as the case may be.
- 27.2. <u>Law</u>. This Agreement shall be governed by and construed under the laws of the State of Michigan.
- 27.3. <u>Notices</u>. All notices, approvals, consents and other communications, including, without limitation, any changes to the Work (collectively, "**Notices**") shall be in writing and must be delivered by one of the following: (a) hand delivered, or (b) electronic mail, or (c) recognized national overnight courier that tracks receipt of packages, such as Federal Express, to the following:

To Developer:

To Contractor:

Adam Reid 4950 W. Dickman Road Suite 1 Battle Creek, MI 49017 smak@bcunlimited.org

Notices shall only be effective upon receipt if hand delivered or sent by electronic mail or upon delivery or refusal if sent via recognized national overnight courier.

- 27.4. Time is of the Essence. Time is of the essence in this Agreement.
- 27.5. <u>Nouns and Pronouns</u>. Nouns and pronouns will be deemed to refer to the masculine, feminine, neuter, singular and plural, as the identity of the person or persons, firm or corporation may in the context require.

- 27.6. <u>Descriptive Headings</u>. The headings to the Sections and subsections of this Agreement are inserted for reference only and are not to be either taken as limiting or extending the provisions of this Agreement, or given any effect on the construction or interpretation of this Agreement.
- 27.7. <u>Vague Terms</u>. Each Party to this Agreement participated in the drafting, preparation and negotiation of this Agreement. Therefore, no one Party to this Agreement is or should be considered to be the drafter of this Agreement, and any rule of construction which favors or gives the benefit of any doubt, uncertainty or ambiguity over the interpretation of this Agreement to one Party over the other shall not be applicable, even if one Party caused this Agreement to be reduced to writing.
- 27.8. <u>Include or Including</u>. Whenever the words "**include,**" "**includes,**" and "**including**" are used in this Agreement, such words shall be deemed to be followed by the words "**without limitation**."
- 27.9. <u>WAIVER OF TRIAL BY JURY</u>. EACH PARTY VOLUNTARILY AND IRREVOCABLY WAIVES TRIAL BY JURY IN ANY DISPUTE, CLAIM, ACTION, SUIT OR LITIGATION BASED ON OR ARISING OUT OF THIS AGREEMENT, EVEN IF THE RIGHT TO A TRIAL BY JURY WOULD OTHERWISE BE PROTECTED BY APPLICABLE LAW.
- 27.10. <u>Days</u>. All references to days in this Agreement shall mean calendar days unless otherwise specified.
- 27.11. <u>Counterparts</u>. This Agreement may be executed in several counterparts, all of which together shall constitute one and the same document.
- 27.12. <u>Electronic Delivery</u>. This Agreement may be signed and delivered by facsimile, email of an image file, or other electronic means, in which case the Agreement as so delivered will be effective as if an original.

28. Enforceability; Entire Agreement; Amendment; Consent.

- 28.1. This Agreement shall inure to the benefit of, be binding upon, and be specifically enforceable by Contractor and Developer, and their respective heirs, personal representatives, successors and assigns. This Agreement contains all of the representations and statements by each Party to the other and expresses the entire understanding between the Parties with respect to this Project. All prior written and verbal communications, agreements and understandings concerning the Project are merged into and replaced by this Agreement.
- 28.2. Whenever Developer's consent or approval is required under this Agreement, such consent or approval shall be given or withheld in Developer's sole discretion unless otherwise stated in this Agreement and be effective only if given in writing by Developer's Project Manager.

This Construction Agreement has been entered into by the Parties on the date first written above.

CONTRACTOR:	DEVELOPER:
	Battle Creek Unlimited
By	Ву
Print Name:	Print Name:
lts:	lts:

EXHIBIT A

EDA Requirements

- Contractor, simultaneously with the execution of this Agreement, will execute and provide a Certification Regarding Lobbying as required by Section 1352, Title 31 of the U.S. Code.
 All requirements found at https://eda.gov/files/tools/grantee-forms/EDA-Construction-Standard-Terms-
- $and\hbox{-}Conditions.pdf$

PERFORMANCE BOND

Let it be known that	, as Principal, and
	, as Surety, are held and firmly bound unto the Developer in the sum of
	dollars (\$) for the payment of which sum of money to be
made, we bind ourselves, heirs, executor required by written contract.	rs, administrators, successors and assigns, jointly and severally, firmly as
WHEREAS, the Principal has entered in complete, as described in the complete complete.	nto a certain written contract dated fore the cribed in the foregoing Bid and Agreement.
and truly keep and perform the said commaterials, apparatus, fixtures or equipme contract, and shall defend, indemnify an claims, demands, expenses, costs and chother Contract Documents arising out of contract, and shall remove and replace a	BLIGATION ARE SUCH, that if the said Principal shall in all respects well tract, and shall pay all sums of money due or to become due, for any labor, ent furnished for the purpose of constructing the work provided in said as ave harmless said Developer against any liens, encumbrances, damages, larges of every kind except as otherwise provided in said specifications and for in relation to the performance of said work and the provisions of said any defects in workmanship or materials which may be apparent or may in the date of final acceptance, then this obligation shall be null and void; defect.
addition to the terms of the contract or to same shall in any wise affect its obligati extension of time, alteration or addition	hereby stipulates and agreed that no change, extension of time, alteration or o work to be performed thereunder or the specifications accompanying the on on this bond, and it does hereby waive notice of any such change, to the terms of the Agreement or to the work or to the specifications.
	PRINCIPAL ATTEST:
Principal Business Name	Principal Secretary Signature & Seal
Address	Principal Secretary Printed Name
City, State, Zip	Witness of Principal
	SURETY ATTEST:
Surety Business Name	Attorney-in-Fact Signature & Seal
Address	Attorney-in-Fact Printed Name
City, State, Zip	_

BID BOND

We,	, (hereinafter called the "Principal") and
	(hereinafter called the "Surety"), a corporation chartered and existing under
	of the State of, with its principal offices in the City of and
authori	d to do business in the State of Michigan, are held and firmly bound unto Battle Creek Unlimited
(herein	er called the "Developer"), in the full and just sum of dollars
(\$) good and lawful money of the United States of America, to be paid upon demand of the
Develo	r, to which payment shall be made, the Principal and Surety bind themselves, their heirs, executors,
admini	ators, and assigns, jointly and severally and firmly by these presents.
	AS the Principal is about to submit, or has submitted to the Developer, a Bid for furnishing all labor, equipment and incidentals necessary to complete this contract.
	AS the Principal desires to file this bond in accordance with law, in lieu of a certified bidder's check required to accompany this Bid.
within accordarequire Develor satisfactions; and within	HEREFORE: The conditions of this obligation are such that if the Bid be accepted, the Principal shall, a (10) days after the date of receipt of a written notice of award of contract, execute a contract in with the Bid and upon the terms, conditions and price(s) set forth therein, of the form and manner by the Developer, and execute a sufficient and satisfactory contract performance bond payable to the r, and in an amount of Five Percent (5%) of the total contract price in the form and with security ry to said Developer, then this obligation to be void; otherwise to be and remain in full force and virtue in the Surety shall, upon failure of the Principal to comply with any or all of the foregoing requirements a time specified above, immediately pay to the aforesaid Developer, upon demand, the amount hereof in lawful money of the United States of America, not as a penalty but as liquidated damages.
The Pr	ipal and Surety duly sign and seal on this date of
	Principal
Ву:	
<i></i>	(Seal)
	Surety
Ву:	Seal)
Counte	gned:

NOTICE OF REQUIREMENTS FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246 AND 41 CFR PART 60-4)

The following Notice shall be included in, and shall be a part of all solicitations for offers and bids on all Federal and federally assisted construction contracts or subcontracts in excess of \$10,000.

The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.

The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables	Goals for minority participation for each trade	Goals for female participation for each trade
	%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order, and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is:

State of		
County of		
City of		

CERTIFICATION REGARDING LOBBYING LOWER TIER COVERED TRANSACTIONS

Applicants should review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, "New Restrictions on Lobbying."

LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

NAME OF APPLICANT	AWARD NUMBER AND/OR PROJECT NAME
	7 TO THE THOMSE TO THE TOTAL TOTAL TO THE TO
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE	
SIGNATURE	DATE

U.S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT ADMINISTRATION

STANDARD TERMS AND CONDITIONS FOR CONSTRUCTION PROJECTS

Title II of the Public Works and Economic Development Act of 1965

Public Works and Economic Development Facilities and Economic Adjustment Assistance Construction Components



March 22, 2021

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PART I: GENERAL PROVISIONS

A. Construction Award Purpose

This financial assistance award (the Award), executed by the Economic Development Administration (EDA) and the recipient (Recipient or non-Federal entity), is awarded for the purpose of carrying out the design, engineering, or construction of certain physical infrastructure as specifically set forth in the Award's scope of work.

B. Authorities

1. In General

Recipient must administer this Award in conformance with the terms of the Award, including any properly executed amendment thereto, the EDA-approved budget and scope of work, these EDA Standard Terms and Conditions for Construction Projects (EDA Construction STCs) and the Department of Commerce (DOC) Financial Assistance Standard Terms and Conditions (DOC Standard Terms and Conditions), as well as any specific award conditions; relevant policies issued by EDA; applicable Federal statutes, regulations, and Executive Orders; and the provisions of the Office of Management and Budget (OMB) *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* codified at 2 CFR part 200 (OMB Uniform Guidance).

2. PWEDA

The Public Works and Economic Development program is authorized under section 201 and the Economic Adjustment Assistance program is authorized under section 209 of PWEDA (42 U.S.C. §§ 3141 and 3149, respectively).

3. EDA Regulations

The regulations implementing PWEDA are contained in chapter III of title 13 of the Code of Federal Regulations (CFR), and apply in full to this Award. The regulations specific to EDA construction projects can be found at 13 CFR parts 305 and 314, and subpart A to part 307.

4. Conflicts Among Authorities

Any inconsistency or conflict among the authorities governing the Recipient's administration of this Award will be resolved in the following order of precedence: Federal laws and regulations (including the OMB Uniform Guidance), applicable notices published in the *Federal Register*, Executive Orders, OMB circulars, these EDA Construction STCs, specific award conditions, and any written policy guidance issued by EDA. However, a specific award condition may amend or take precedence over a provision of these EDA Construction STCs on a case-by-case basis, when warranted by the specific circumstances of the Award. In the event of a conflict between Parts I or II of these EDA Construction STCs and Part III, which incorporates the DOC Standard Terms and Conditions, Parts I and II will control.

C. Updates to Authorities

1. Updates to Regulations and Requirements

The DOC, EDA, or OMB may issue changes from time to time to the regulations and other policies and requirements that apply to this Award. Such changes may upon occasion increase

administrative or programmatic flexibility in administering this Award in a manner that is mutually beneficial to EDA and the Recipient. In addition, if required by law, these changes may impose new requirements. The implementation of any such regulatory, administrative, or programmatic change in administering this Award requires EDA's prior written approval.

2. Applicability to the Award

These EDA Construction STCs apply to the Award as of the Federal award date, as defined at 2 CFR § 200.1, or, if attached to the Award by amendment, as of the effective date of such amendment.

D. Variances

EDA's policy is to administer all awards uniformly; however, there may be special circumstances that warrant a variance. To accommodate these circumstances and to encourage innovative and creative ways to address economic development problems, EDA will consider requests for variances to the procedures set out in these EDA Construction STCs if they do not conflict with applicable Federal statutory and regulatory requirements, are consistent with the goals of EDA's programs, and make sound economic and financial sense. Any approved variance will be implemented through a specific award condition incorporated under the Award.

E. Recipient as Trustee

The Recipient holds grant funds and any property acquired or improved with EDA assistance in trust for the public purposes of an Award. The Recipient's obligation to the Federal Government continues for the estimated useful life of the Project, as determined by EDA, during which EDA retains an undivided equitable reversionary interest (the Federal Interest) in property acquired or improved, in whole or in part, with EDA investment assistance. *See* 13 CFR § 314.2 ("Federal Interest").

If EDA determines that the Recipient fails or has failed to meet this obligation, EDA may exercise any rights or remedies with respect to its Federal Interest in the Project. However, EDA's forbearance in exercising any right or remedy in connection with the Federal Interest does not constitute a waiver thereof.

F. Additional Funding

EDA has no obligation to provide any additional funding in connection with the Award. Any change to the Award to increase funding or to extend the period of performance is at the discretion of EDA, subject to the availability of funds, via an amendment executed by the Grants Officer.

G. **Definitions**

Capitalized terms and acronyms used but not otherwise defined in these EDA Construction STCs have the meaning ascribed to them at 13 CFR §§ 300.3, 302.20, 307.8, and 314.1, and subpart A to 2 CFR part 200.

H. Reaffirmation of Application and Award Acceptance

By accepting this Award, the Recipient's authorized representative hereby reaffirms and states that:

1. All data in the Application were true and correct when the Application was submitted and remain

- true and correct as of the date of this Award;
- 2. The Application was, as of the date of submission and the date of this Award, duly authorized as required by local law by the governing body of the Recipient; and
- 3. The Recipient has read, understood, and will comply with all terms of this Award, including the assurances and certifications submitted as part of the Application (including assurances submitted through the System for Award Management (SAM.gov)).

Acceptance of the Award is established by any action on the part of the Recipient indicating an intent to accept the Award, including by signing the Financial Assistance Award (Form CD-450) (either via a "wet" signature or electronically) or by requesting any disbursement of Award funds. "Application" means all forms, documentation, and any information submitted to EDA as part and in furtherance of a request for an Award and includes submissions made in response to any request by EDA after submission of the initial Application.

PART II: SPECIAL REQUIREMENTS FOR EDA CONSTRUCTION PROJECTS

A. Financial Requirements

1. Financial Reports

- a. During the period of performance, the Recipient must submit financial reports as follows, unless otherwise specified in a specific award condition.
 - i. Reports on Award reimbursements. In accordance with 2 CFR § 200.328 ("Financial reporting"), the Recipient must submit a "Federal Financial Report" (Form SF-425 or any successor form) on a semi-annual basis for the periods ending March 31 and September 30, or any portion thereof, unless otherwise specified in a specific award condition. Reports are due no later than 30 calendar days following the end of each reporting period, and instructions for completing and submitting Form SF-425 will be discussed during the Project kick-off meeting. Recipients may contact their EDA Project Officer with questions on how to complete or submit the report, if necessary, but they must submit reports on time and are encouraged to pose such questions sufficiently before the deadline to allow for complete, accurate, and timely submission of required reports.
 - ii. Reports on Award advances. While EDA generally does not advance funds, when the agency does so, the Recipient must submit Form SF-425 within 15 business days following the end of <u>each quarter</u> for an award where the Federal share of costs is under \$1 million. In accordance with 2 CFR § 200.328, because of increased risk and the need to ensure the appropriate use of Federal funds, where EDA advances funds under an award where the Federal share of costs is \$1 million or more the Recipient must submit Form SF-425 within 15 business days following the end of <u>each month</u>, or as otherwise specified in a specific award condition.
- b. The Recipient must submit a final Form SF-425 no later than 120 calendar days after the end date of the period of performance. *See also* Part II, section B.16.c "Final reporting deadline" of these EDA Construction STCs.
- c. Noncompliance with the financial reporting requirements may result in appropriate enforcement action under this Award, including but not limited to suspension of Award payments, disallowance of costs or termination of an award. A Recipient's non-compliance with financial reporting requirements will also be taken into account in EDA's consideration of any future applications for EDA financial assistance (*see* 2 CFR § 200.206(b)(2)(iii) and section A.06 (Unsatisfactory Performance or Non-Compliance with Award Provisions) of the DOC Standard Terms and Conditions, which are incorporated in Part III of these EDA Construction STCs).
- d. Financial reports should be submitted to the Project Officer in electronic format, unless otherwise specified in the specific award conditions.

2. Disbursements

a. Method of payment. The Grants Officer determines the appropriate method of payment.

Unless otherwise specified in a specific award condition, the method of payment under this Award will be <u>reimbursement</u>. Payments will be made through electronic funds transfers directly to the Recipient's bank account and in accordance with the requirements of the Debt Collection Improvement Act of 1996 (31 U.S.C. § 3720B *et seq.*). The Award number must be included on all payment-related correspondence, information, and forms.

- b. *Disbursement requests*. The Recipient must use Form SF-271, "Outlay Report and Request for Reimbursement for Construction Programs," to request reimbursement under the Award. Substantiating invoices and/or vouchers also must be provided. Each request for the disbursement of funds must be made to the Project Officer. Form SF-271 can be downloaded from the Grants.gov post-award reporting forms website at https://www.grants.gov/web/grants/forms/post-award-reporting-forms.html.
 - i. *Initial disbursement request*. For the initial disbursement only, the Recipient must complete and submit Form SF-3881, "ACH Vendor/Miscellaneous Payment Enrollment Form," along with Form SF-271, to the Project Officer.
 - ii. *Interim disbursement requests*. All requests for interim disbursement must be submitted using Form SF-271 and include substantiating invoices and/or vouchers.
 - iii. *Final disbursement request. See* Part II, section B.16 "Project Closeout Procedures" of these EDA Construction STCs.

3. Federal and Non-Federal Cost Sharing

- a. For purposes of this Award, the Federal share is the amount of EDA funds invested under the Award, while the non-Federal share, or "Matching Share," means non-EDA funds and any in-kind contributions that are approved by EDA and provided by the Recipient or by third parties as a condition of the Award.
- b. By accepting the Award, the Recipient certifies that the Matching Share of Project costs is committed to the Project, available as needed, and not conditioned or encumbered in any way that precludes its use consistent with the requirements of the Award. *See* 13 CFR § 301.5 ("Matching share requirements").
- c. In the case of an overrun at the construction bid opening, the Recipient may augment the Matching Share by an amount sufficient to cover the excess cost. The Recipient must furnish a letter to EDA identifying the source of the additional funds and confirming that all Matching Share meets the requirements of 13 CFR § 301.5. See 13 CFR § 305.10 ("Bid underrun and overrun").

4. Budget Revisions and Transfer of Funds

a. Approved budget plan; notification of deviations. The EDA-approved budget set forth in the specific award conditions or otherwise incorporated under the Award is the budget plan for the Project. The Recipient must notify EDA of deviations from the budget in accordance with 2 CFR § 200.308 ("Revision of budget and program plans"). If prior written approval is not required under 2 CFR § 200.308, the Recipient may request the Grants Officer's review of

- and guidance on proposed revisions to the budget.
- b. *Requesting budget revisions*. Requests for budget revisions to the EDA-approved budget must be submitted through the Project Officer to the Grants Officer, who will make the final determination on such requests and notify the Recipient in writing.
- c. Budget revisions that require an amendment. In accordance with 2 CFR § 200.308(f) and (h), an amendment executed by the Grants Officer are required for budget revisions when:
 - i. The revision results from changes in the scope or the objective of the Project;
 - ii. The need arises for additional EDA funds to complete the Project;
 - iii. The Federal share exceeds the simplified acquisition threshold (currently set at \$250,000) and the cumulative amount of transfers among direct cost categories exceeds or is expected to exceed 10 percent of the total budget as last approved by EDA; and
 - iv. A revision is desired that involves specific costs for which prior written approval requirements may be imposed consistent with applicable cost principles listed in subpart E of 2 CFR part 200 ("Cost Principles").
- d. Prior approval for transfers between construction and non-construction items. When an Award supports both construction and non-construction work, the Recipient must obtain prior written approval from the Grants Officer before making any fund or budget transfer from non-construction to construction or vice versa. See 2 CFR § 200.308(h)(5).
- e. *Project underrun amounts*. Underrun amounts will be transferred to the contingencies line item. Contingency funds are to be used to address situations resulting from unknown conditions and changes required for the fulfillment of authorized activities under this Award. EDA may approve the use of underrun funds to increase the Federal share of the Project or further improve the Project, as long as EDA determines that the use is consistent with the original purpose of the Award. *See* 13 CFR § 308.1 ("Use of funds in projects constructed under projected cost").
- f. Additional EDA funding in case of Project overrun amounts. In accepting this Award, the Recipient agrees to fund any overrun amounts from non-Federal sources, or if the Recipient is unable or unwilling to do so, to request termination of the Award. Additional EDA assistance for the Project is at the discretion of EDA and may not be approved.

5. Indirect Costs and Facilities and Administrative Costs

- a. Indirect costs, or facilities and administrative (F&A) costs for educational institutions, are generally not applicable under this Award. See the definition of "indirect (facilities and administrative) (F&A)) costs" at 2 CFR § 200.1.
- b. When indirect costs are applicable, they will not be allowable charges against the Award unless approved under the Award and specifically included as a line item in the Award's approved budget. *See* section B.06 of the DOC Standard Terms and Conditions ("Indirect or Facilities and Administrative Costs"), which are incorporated into these EDA Construction STCs in Part III.

6. Incurring Costs Prior to Award

Project activities, including the procurement of good and services, which may include construction activities, carried out prior to EDA's approval of this Award are done at the sole risk of the Recipient and at the risk of not being reimbursed by EDA. Such activity may result in the rejection of the Application, the disallowance of costs, or other adverse consequences as a result of noncompliance with EDA or Federal requirements, including but not limited to procurement requirements, civil rights requirements, Federal labor standards, or environmental and historic preservation requirements. The Grants Officer must authorize pre-award costs and activities in writing, and such costs must also be allowable under relevant Federal cost principles and the specific Award terms and be included in the EDA-approved budget. Pre-award costs not included in the authorized budget are not allowable and will not be reimbursed. *See* 13 CFR § 302.8 ("Pre-approval Investment Assistance costs").

7. **Program Income**

For Projects that generate revenue (*e.g.*, rent for buildings or real property constructed or improved with EDA funds, rent or fees charged for use of equipment purchased with EDA funds, fees charged by the Recipient or a third party in connection with Project operations, etc.), the Recipient agrees, for the estimated useful life of the EDA-assisted facility or equipment, to use income generated from the facility or equipment, in the following order of priority unless modified by a specific award condition:

- a. Administration, operation, maintenance, and repair of Project facilities in a manner consistent with good property management practice and in accordance with established building codes. This includes, where applicable, repayment of indebtedness resulting from any EDA-approved encumbrance (*e.g.*, approved mortgage) on the EDA-assisted facility. In the case of equipment, administration, operation, maintenance, and repair of the equipment, or the facility in which the equipment is located as required to maintain and operate the equipment, for the equipment's estimated useful life.
- b. Economic development activities that are authorized for support by EDA, provided such activities meet the economic development purposes of PWEDA and are located within the designated Project region.
- c. Any program income in excess of paragraphs a. and b. of this section that is generated during the period of performance must be deducted from total allowable Project costs in accordance with 2 CFR § 200.307(e)(1). See also 2 CFR § 200.307 ("Program income").
- 8. **Information on Recipient integrity**. The Recipient agrees to provide EDA with information and documentation necessary for EDA to conduct due diligence to ensure the financial integrity and responsibility of the Recipient and key individuals associated with the Recipient in the management or administration of this Award.

B. Programmatic Requirements

1. Project Progress and Performance Reporting

a. Project progress reports must be submitted in accordance with the procedures set out in 2 CFR § 200.329 ("Monitoring and reporting program performance"), as applicable, and as

indicated below. Failure to submit required reports in a complete, accurate, and timely manner may result in the withholding of payments under this Award; deferral of processing of new awards, amendments, or supplemental funding; or other appropriate enforcement action. See 13 CFR § 302.18 ("Post-approval requirements") and section A.06 (Unsatisfactory Performance or Non-Compliance with Award Provisions) of the DOC Standard Terms and Conditions, which are incorporated in Part III of these EDA Construction STCs.

- b. Unless otherwise specified in a specific award condition, the Project progress report must contain the following information for each Project program, function, or activity:
 - i. A comparison of planned and actual accomplishments according to the timetable or list of Project objectives in this Award;
 - ii. An explanation of any delays or failures to meet the Project timetable or Project goals; and
 - iii. Any other pertinent information including, when appropriate, analysis and explanation of cost overruns or high unit costs.

Project progress reports must be submitted for each calendar quarter to the Project Officer. Each Project progress report must be submitted in accordance with the deadlines outlined in the specific award conditions, or, when not otherwise specified, Project progress reports will be due on a quarterly basis not later than January 31, April 30, July 31, and October 31 for the immediately previous quarter. The final Project progress report must be submitted to EDA no later than 120 calendar days after the end date of the period of performance. *See* Part II, section B.16.c "Project Closeout Procedures" of these EDA Construction STCs for more information on Project Closeout.

c. The Recipient must submit quarterly Project progress reports to the EDA Project Officer electronically unless otherwise specified in the specific award conditions.

2. Time Extensions

- a. Unless otherwise authorized by a specific award condition, any extension of the period of performance can only be authorized by the Grants Officer in writing.
- b. The Recipient is responsible for implementing the Project in accordance with the development time schedule contained in this Award. As soon as the Recipient becomes aware that it may not be possible to meet the development time schedule, the Recipient must notify the Grants Officer. The Recipient's notice to EDA must contain the following:
 - i. An explanation of the Recipient's inability to complete work by the specified date (*e.g.*, a lengthy period of unusual weather delayed the contractor's ability to excavate the site, major re-engineering required in order to obtain State or Federal approvals, unplanned environmental mitigation required);
 - ii. A statement describing any other contemplated changes to the Project;
 - iii. Documentation that demonstrates there is still a bona fide need for the Project; and
 - iv. A statement that no further delay is anticipated and that the Project can be completed within the revised time schedule.

EDA reserves the right to withhold disbursements while the Recipient is not in compliance with the time schedule and to suspend or terminate this Award if the Recipient fails to proceed with reasonable diligence to accomplish the Project as intended.

3. Interim Reporting of Significant Project Developments

The Recipient must promptly report any event that may have a significant impact upon the Project, including delays or adverse conditions that may materially affect the ability of the Recipient to attain Project objectives within established time periods or meet the development time schedule without waiting for the next quarterly progress report. The Recipient should report such events to the Project Officer in the most time-expedient way possible and then, if the initial report was not in writing, report the event to the Project Officer in writing. Such a report must include a statement of the event or issue, a statement of the course of action taken or contemplated to resolve the matter, and any Federal assistance needed to resolve the situation. If budget changes are required, the Recipient must submit a written budget revision request. See 2 CFR § 200.329(e) ("Monitoring and reporting program performance") and Part II, section A.4. "Budget Revisions and Transfers of Funds" of these EDA Construction STCs.

4. Programmatic Changes

- a. In accordance with 2 CFR § 200.308 ("Revision of budget and program plans"), the Recipient must submit a written request for any proposed programmatic changes, including all changes to the scope of the Award, to the Project Officer. See Part II, section A.4 "Budget Revisions and Transfers of Funds" of these EDA Construction STCs for budget revisions that may require the prior written approval of EDA. In these cases, the Project Officer will forward the request to the Grants Officer, who makes the final decision on approving the request. In addition, the Recipient must request prior written approvals for certain items of cost in accordance with 2 CFR § 200.407 ("Prior written approval (prior approval)").
- b. Any changes made to the Project without EDA's approval are made at the Recipient's own risk, and may result in disallowance of costs, suspension, termination, or other EDA action with respect to the Award. *See* 13 CFR § 302.7(b) ("Amendments and changes").
- c. Contract Change Orders. After construction contracts for the Project have been executed, it may become necessary to alter them through a formal contract change order that must be issued by the Recipient and accepted by the contractor. All contract change orders must be reviewed by EDA, even if EDA is not participating in the cost of the change order or the contract price is to be reduced. Work on the Project may continue pending EDA review and approval of the change order, but all such work will be at the Recipient's risk as to whether the cost of the work is eligible for EDA reimbursement. See 13 CFR § 305.13 ("Contract change orders").

5. Government Performance and Results Act

In addition to quarterly Project progress reports, EDA may require the Recipient to report on Project performance beyond the end date of the period of performance for Government Performance and Results Act (GPRA) or other purposes. In no case will the Recipient be required to submit any GPRA report more than ten years after the date of Award closeout. Data used by the Recipient in preparing reports must be accurate and, whenever possible, from independent sources. *See* 13 CFR § 302.16 ("Accountability").

6. Beneficiary Compliance

In the event a beneficiary of the Project fails to comply in any manner with certifications, assurances, or agreements that such beneficiary has entered into in accordance with EDA's requirements, the Recipient will reimburse EDA the Award amount or an amount to be determined by the EDA pursuant to 13 CFR §§ 314.4 ("Unauthorized use of property") and 314.5 ("Federal share"). When EDA determines that the failure of a beneficiary to comply with EDA requirements affects a portion of the property benefited by the Award, the Recipient will reimburse EDA proportionately.

7. Hold Harmless

To the maximum extent permitted by law, the Recipient agrees to indemnify and hold the United States harmless from and against all liabilities that the United States may incur due to the actions or omissions of the Recipient, including to the extent that such liabilities are incurred because of toxic or hazardous contamination or groundwater, surface water, soil, or other conditions caused by actions of the Recipient or any of its predecessors (other than the United States or its agents) on the property. *See* 13 CFR § 302.19 ("Indemnification").

8. Prohibition on Use of Third Parties to Secure Award

Unless otherwise specified in the application materials supporting this Award, the Recipient warrants that no person or selling agency has been employed or retained to solicit or secure this Award upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees, or bona fide established commercial or selling agencies maintained by the Recipient for the purpose of securing business. For breach or violation of this warranty, EDA has the right to terminate this Award for material noncompliance, or at its discretion, to deduct from the Award amount, or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fee.

9. Payment of Attorneys' or Consultants' Fees

No Award funds may be used, directly or indirectly, to reimburse attorneys' or consultants' fees incurred in connection with obtaining an award under PWEDA, such as, for example, preparing an application for EDA assistance. However, ordinary and reasonable attorneys' and consultants' fees incurred for meeting Award requirements (*e.g.*, conducting a title search or preparing plans and specifications) may be eligible Project costs and may be paid out of Award funds, provided such costs are otherwise eligible. *See* 13 CFR § 302.10 ("Attorneys' and consultants' fees, employment of expediters, and post-employment restriction").

10. Recipient's Duty to Refrain from Employing Certain Government Employees

- a. Pursuant to section 606(2) of PWEDA (42 U.S.C. § 3216), for the two-year period beginning on the date EDA executes this Award, any Recipient that is a nonprofit organization, District Organization, or for-profit entity agrees that it will not employ, offer any office or employment to, or retain for professional services any person who:
 - i. On the date EDA executes this Award or within the one-year period ending on that date, served as an officer, attorney, agent, or employee of the Department, and
 - ii. Occupied a position or engaged in activities that the Assistant Secretary determines

involved discretion with respect to the funding of an Award.

- b. In addition to the types of Recipients noted in paragraph a. above, EDA may require another Eligible Applicant to execute an agreement to abide by the above-described post-employment restriction on a case-by-case basis—for example, when an institution of higher education implements activities under or related to the Award through a separate nonprofit organization or association.
- c. The two-year period and associated restrictions referenced above also will apply beginning on the date that EDA executes any cost amendment to this Award that provides additional funds to the Recipient.
 - See also 13 CFR § 302.10 ("Attorneys' and consultants' fees, employment of expediters, and post-employment restriction").

11. Commencement of Construction

- a. *Delayed construction starts*. If significant construction (as determined by EDA) is not commenced within two years of the Award date or by the date estimated for start of construction in this Award (or the expiration of any extension granted in writing by EDA), whichever is later, this Award will be automatically suspended by a written notification issued by the Grants Officer and may be terminated if EDA determines, after consultation with the Recipient, that construction to completion cannot reasonably be expected to proceed promptly and expeditiously.
- b. *Early construction starts*. The Recipient must make a written request to EDA for early construction start permission (that is, after the date of Award, but before EDA gives formal approval for construction to commence). Costs incurred under a contract are only allowable after EDA determines that the award of the contract is in compliance with all terms and conditions of the Award. If construction commences prior to EDA's determination, the Recipient proceeds at its own risk until EDA's review and concurrence. *See* 13 CFR § 305.11 ("Contract awards; early construction start").

12. Project Sign and Use of EDA Logo

- a. *Project sign*. The Recipient is responsible for constructing, erecting, and maintaining in good condition throughout the construction period a sign (or signs) in a conspicuous place at the Project site indicating that the Federal Government is participating in the Project. EDA will provide specifications for the sign and may require more than one sign if site conditions so warrant. If the EDA-recommended sign specifications conflict with State or local law, the Recipient may modify such recommended specifications so as to comply with State or local law. *See* 13 CFR § 305.12 ("Project sign").
- b. *Use of EDA logo*. With EDA's prior written permission, the Recipient may use the EDA logo to publicize the Award as well as to amplify the impact of the Award. In such cases, the EDA logo may be displayed on Award-related materials that discuss or advertise the purpose or use of the Project (e.g. websites, social media, fliers, pamphlets, brochures). To seek permission to use the EDA logo, the Recipient must contact the EDA Project Officer and provide a written description of how the Recipient proposes to use the EDA logo. In general,

the EDA logo may be used either alone or next to Recipient's logo. The EDA logo may not be used to endorse a third party as interpreted at EDA's sole discretion. The Recipient must not use the EDA logo in a negative or defamatory manner, and the Recipient must not use the U.S. Department of Commerce (DOC) logo. EDA may rescind such permission at any time.

13. Efficient Administration of Project

The Recipient agrees to properly and efficiently administer, operate, and maintain the Project for its estimated useful life, as required by section 504 of PWEDA (42 U.S.C. § 3194). If EDA determines at any time during the estimated useful life of the facility that the Project is not being properly and efficiently administered, operated, and maintained, EDA may terminate this Award (if it is still active) and/or may take appropriate enforcement action to protect the Federal Interest in the Project, including requiring the Recipient to repay the Federal Share. *See* 13 CFR §§ 302.12 ("Project administration, operation and maintenance"), 302.18 ("Post-approval requirements"), and 314.2 ("Federal Interest") through 314.5 ("Federal Share").

14. Conflicts-of-Interest Rules

- a. An "Interested Party" is defined in 13 CFR § 300.3 ("Definitions") as "any officer, employee, or member of the board of directors or other governing board of the Recipient, including any other parties that advise, approve, recommend, or otherwise participate in the business decisions of the Recipient, such as agents, advisors, consultants, attorneys, accountants, or shareholders." An Interested Party includes the Interested Party's Immediate Family and other persons directly connected to the Interested Party by law or through a business organization. "Immediate Family" is defined in 13 CFR § 300.3 as "a person's spouse (or domestic partner or significant other), parents, grandparents, siblings, children and grandchildren, but does not include distant relatives, such as cousins, unless the distant relative lives in the same household as the person."
- b. The Recipient must disclose in writing any potential conflicts of interest to EDA or the pass-through entity as soon as practicable after the identification of such potential conflict. In addition, the Recipient must maintain written standards of conduct to establish safeguards to prohibit an Interested Party from using its position for a purpose that constitutes or presents the appearance of personal or organizational conflicts-of-interest or of personal gain in the administration of an award. *See* 13 CFR § 302.17(a) and (b) ("Conflicts of interest"), 2 CFR § 200.112 ("Conflict of interest"), as applicable, and assurances submitted as part of the Application, including assurances submitted through SAM.gov or via Form SF-424D ("Assurances Construction Projects").
- c. An Interested Party must not receive any direct or indirect financial or personal benefit in connection with this Award or its use for payment or reimbursement of costs by or to the Recipient. A conflict of interest generally exists when an Interested Party participates in a matter that has a direct and predictable effect on the Interested Party's personal or financial interests. A conflict also may exist where there is an appearance that an Interested Party's objectivity in performing his or her responsibilities under the Project is impaired. For example, an appearance of impairment of objectivity may result from an organizational conflict where, because of other activities or relationships with other persons or entities, an Interested Party is unable to render impartial assistance, services or advice to the Recipient, a participant in the Project or to the Federal government. Additionally, a conflict of interest

- may result from non-financial gain to an Interested Party, such as benefit to reputation or prestige in a professional field. See 13 CFR § 302.17(a) and (b).
- d. Section F.01.c of the DOC Standard Terms and Conditions, which are incorporated as Part III of these EDA Construction STCs, specifies procurement-related conflicts of interest requirements. *See also* 2 CFR §§ 200.317-200.327 ("Procurement Standards").

15. Records-Keeping Requirements

- a. *Records*. The Recipient must maintain records that document compliance with the terms and conditions of this Award. At a minimum, the Recipient's records must fully disclose:
 - i. The amount and disposition of all EDA funding under the Award;
 - ii. All Project expenditures and procurement actions;
 - iii. The total cost of the Project that the Award funds;
 - iv. Copies of all reports and disbursement requests submitted to EDA;
 - v. The benefits/impacts of the Project, as reported through GPRA and other reports to EDA;
 - vi. The amount and nature of the portion of Project costs provided by non-EDA sources;
 - vii. Contractor compliance with applicable Federal requirements; and
 - viii.Such other records as EDA requires the Recipient to maintain, including such records as will facilitate an effective audit.
- b. *Records retention*. In general, and in accordance with 2 CFR § 200.334 ("Retention requirements for records"), all records pertinent to this Award must be retained for a period of three years from the date of submission of the final Project expenditure report (the final Form SF-271 for disbursement). The only exceptions are the following:
 - i. If any litigation, claim, or audit is started before the expiration of the three-year period, the records must be retained until all litigation, claims, or audit findings involving the records have been resolved and final actions taken.
 - ii. When the Recipient is notified in writing by EDA, its cognizant agency for either audit or indirect costs, its oversight agency for audit, or the relevant pass-through entity to extend the retention period, it must retain the records as directed.
 - iii. Records for real property and equipment acquired with Federal funds must be retained for three years after final disposition of the relevant real property or equipment.
 - iv. When records are transferred to or maintained by EDA or pass-through entity, the three-year retention requirement is not applicable to the Recipient.
 - v. Records for program income transactions after the period of performance. In some cases, Recipients must report program income after the period of performance. Where there is such a requirement, the retention period for the records pertaining to the earning of the program income starts from the end of the Recipient's fiscal year in which the program income is earned. See also Part II, section A.7 "Program Income" of these EDA Construction STCs.

- vi. *Indirect cost rate proposals and cost allocation plans*. This paragraph applies to the following types of documents and their supporting records: indirect cost rate computations or proposals, cost allocation plans, and any similar accounting computations of the rate at which a particular group of costs is chargeable (such as computer usage chargeback rates or composite fringe benefit rates).
 - (1) *If submitted for negotiation*. If the proposal, plan, or other computation is required to be submitted to the Federal Government (or to the pass-through entity) to form the basis for negotiation of the rate, then the three-year retention period for its supporting records starts from the date of such submission.
 - (2) If not submitted for negotiation. If the proposal, plan, or other computation is not required to be submitted to the Federal Government (or to the pass-through entity) for negotiation purposes, then the three-year retention period for the proposal, plan, or computation and its supporting records starts from the end of the fiscal year (or other accounting period) covered by the proposal, plan, or other computation.
- c. **Monitoring and reporting obligations**. The Recipient is responsible for monitoring any subrecipients and contractors to ensure their compliance with the records retention requirements. The Recipient must immediately notify the Project Officer if records are lost. *See* 2 CFR §§ 200.331 200.333 ("Subrecipient Monitoring and Management).

16. Termination Actions

- a. In accordance with 2 CFR § 200.340 ("Termination"), this Award may be terminated in whole or in part as follows:
 - i. Termination by EDA for the Recipient's failure to comply with the terms and conditions of the Award. EDA may terminate this Award, in whole or in part, if the Recipient fails to comply with the Terms and Conditions of the Award, including but not limited to:
 - (1) Any representation made by the Recipient to the Federal awarding agency in connection with the Application for Federal assistance is incorrect or incomplete in any material respect;
 - (2) The Project has changed substantially, without EDA prior approval, so as to affect significantly the accomplishment of the Project as intended (including an unauthorized use of property as provided in 13 CFR § 314.4 ("Unauthorized use of property");
 - (3) The Recipient has violated commitments it made in its Application and supporting documents or has violated any of the Terms and Conditions of the Award;
 - (4) The conflicts-of-interest rules at 13 CFR § 302.17 ("Conflicts of interest") are violated; or
 - (5) The Recipient fails to report immediately to EDA any change of authorized representative acting in lieu of or on behalf of the Recipient.

See also section A.06 (Unsatisfactory Performance or Non-Compliance with Award Provisions) of the DOC Standard Terms and Conditions, which are incorporated in Part III of these EDA Construction STCs.

- ii. Termination by EDA when the Award no longer effectuates program goals or agency priorities. To the greatest extent authorized by law, EDA may terminate this Award if it no longer effectuates program goals or agency priorities.
- iii. *Termination by the Recipient*. The Recipient may terminate this Award in whole or in part upon by sending the EDA Grants Officer written notification setting forth the reasons for such termination, the effective date, and, in the case of partial termination, the portion to be terminated. However, if EDA determines in the case of partial termination that the reduced or modified portion of the EDA Award will not accomplish the purposes for which the EDA Award was made, EDA may terminate the Award in its entirety.
- iv. *Termination pursuant to Award termination provisions*. EDA or the pass-through entity may terminate this Award pursuant to termination provisions included in the Award. Any Award-specific termination provision will be included as a specific award condition.
- v. *Termination upon mutual agreement*. EDA and the Recipient may mutually agree to terminate this Award in whole or in part. In such cases, EDA and the Recipient must agree upon the termination conditions, including the effective date and, in the case of partial termination, the portion to be terminated.
- b. If the Award is wholly or partially terminated, the Recipient remains responsible for compliance with the requirements in 2 CFR §§ 200.344 ("Closeout") and 200.345 ("Post-closeout adjustments and continuing responsibilities").

17. Project Closeout Procedures

- a. *Project Closeout*. As defined at 2 CFR § 200.1, Project Closeout means the process by which EDA determines that all applicable administrative actions and all required work of the Award have been completed and takes actions as described at 2 CFR § 200.344 ("Closeout"). In the context of an EDA construction award, Project Closeout generally begins with the Recipient's acceptance of the Project from the contractor(s).
- b. *Final disbursement*. When Project construction and final inspection have been completed, or substantially completed as determined by EDA, and the Recipient has accepted the Project from the contractor(s), the Recipient can begin the Closeout process by submitting the following documentation to EDA:
 - i. A request for final disbursement on an executed Form SF-271;
 - ii. A written certification that all costs charged against this Award (Federal and non-Federal shares) are for eligible activities and represent allowable costs, for which there is documentation in the Recipient's records;
 - iii. An executed certificate of final acceptance signed by the Recipient and the Recipient's architect/engineer;
 - iv. The Recipient's certification that its current audit (in accordance with subpart F of 2 CFR part 200), if applicable, has been submitted to the Federal Audit Clearinghouse;

- v. The Recipient's certification that its currently valid single or program-specific audit in accordance with subpart F of 2 CFR part 200 ("Audit Requirements"), if applicable, does not contain any material findings (if the Recipient's currently valid audit does contain material findings, the Recipient must submit the applicable audit preferably via e-mail to the Project Officer, who will review with the Grants Officer); and
- vi. Other documentation as may be required by EDA.

EDA will advise the Recipient of costs determined to be allowable and unallowable. If a balance of this Award is due to the Recipient, the balance will be paid by EDA. If the Recipient has received an amount in excess of the amount due the Recipient, the Recipient must refund the excess to EDA. The Recipient must contact the Project Officer for refund instructions.

As noted above, if the Recipient's most recent audit completed pursuant to subpart F of 2 CFR part 200 contains material findings, the Recipient must submit the audit, preferably via e-mail, to the Project Officer, who will review with the Grants Officer before final disbursement. If e-mail is unavailable, the Recipient may submit a hardcopy version of the audit to the Project Officer.

- c. *Final reporting deadline*. The Recipient must submit, no later than 120 calendar days after the end date of the period of performance, all financial, performance, and other reports as required by the Terms and Conditions of this Award. The Grants Officer may extend the 120 calendar day submission period upon a written request from the Recipient.
- d. *Deadline to liquidate obligations*. Unless EDA authorizes an extension, the Recipient must liquidate all financial obligations incurred under this Award no later than 120 calendar days after the end date of the period of performance.
- e. *Post-Closeout requirements*. As noted above in section B.12 "Efficient Administration of Project" of these EDA Construction STCs, after construction is completed and the Project is closed out financially, the Recipient has an ongoing responsibility to properly administer, operate, and maintain the Project for its estimated useful life (as determined by EDA) in accordance with Award purposes. *See* 13 CFR § 302.12 ("Project administration, operation and maintenance"). The Recipient must comply with all Award requirements and maintain records to document such compliance, which must be made available for inspection by EDA or other Government officials as required.

In addition, in accordance with 2 CFR § 200.345 "Post-closeout adjustments and continuing responsibilities," the Closeout of this Award does not affect any of the following:

- i. The right of EDA to disallow costs and recover funds on the basis of a later audit or other Project review;
- ii. The Recipient's obligation to return any funds due as a result of later corrections or other transactions;
- iii. Audit requirements per subpart F of 2 CFR part 200; and
- iv. Requirements for property management and disposition, records retention, and

performance measurement reports. *See* subpart D of 2 CFR part 200 ("Post Federal Award Requirements"), as applicable.

f. *GPRA reporting*. As required under GPRA and in accordance with a schedule that will be provided by EDA, the Recipient must submit additional Performance Measurement Reports, generally three, six, and nine years after the date of the Award to accurately and completely report the impacts of the Project, especially in terms of job creation and private investment leveraging.

18. Freedom of Information Act

EDA is responsible for meeting its Freedom of Information Act ("FOIA") (5 U.S.C. § 552) responsibilities for its records. DOC regulations at 15 CFR part 4 set forth the requirements and procedures that EDA must follow in order to make the requested material, information, and records publicly available. Unless prohibited by law and to the extent required under the FOIA, contents of Applications and other information submitted by applicants and Recipients may be released in response to a FOIA request. The Recipient should be aware that EDA may make certain Application and other submitted information publicly available. Accordingly, as set forth in 15 CFR § 4.9 ("Confidential commercial information"), the Recipient should identify in its Application any "business information" it believes to be protected from disclosure pursuant to 5 U.S.C. § 552(b)(4).

C. Additional Requirements Related to Construction Projects

The Recipient and any subrecipients, must, in addition to other statutory and regulatory requirements detailed in these EDA Construction STCs and the assurances made to EDA in connection with the Award, comply and require each of its contractors and subcontractors employed in the completion of the Project to comply with all applicable Federal, State, territorial, and local laws, and in particular, the following Federal laws (and the regulations issued thereunder), executive orders, OMB circulars, OMB Uniform Guidance, and local law requirements.

- 1. The Davis-Bacon Act, as amended (40 U.S.C. §§ 3141–3144, 3146, 3147; 42 U.S.C. § 3212), which requires minimum wages for mechanics and laborers employed on Federal Government public works projects to be based on the wages that the Secretary of Labor determines to be prevailing for the corresponding classes of laborers and mechanics employed on projects of a character similar to the contract work in the civil subdivision of the State in which the Project is to be performed, or in the District of Columbia if the Project is to be performed there.
- 2. The Contract Work Hours and Safety Standards Act, as amended (40 U.S.C. §§ 3701-3708), which provides work hour standards for every laborer and mechanic employed by any contractor or subcontractor in the performance of a Federal public works project.
- 3. The National Historic Preservation Act of 1966, as amended (54 U.S.C. § 300101 *et seq.*), and the Advisory Council on Historic Preservation Guidelines (36 CFR part 800), which require stewardship of historic properties in projects involving Federal funds.
- 4. **Preservation of Historical and Archeological Data (54 U.S.C. § 312502)**, which requires appropriate surveys and preservation efforts if a Federally licensed project may cause

irreparable loss or destruction of significant scientific, prehistorical, historical, or archeological data.

- 5. The Architectural Barriers Act of 1968, as amended (42 U.S.C. § 4151 et seq.), and the regulations issued thereunder, which prescribe standards for the design and construction of any building or facility intended to be accessible to the public or that may house handicapped employees.
- 6. **The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended (42 U.S.C. § 4601** *et seq.*), and implementing regulations issued at 49 CFR part 24 ("Uniform Relocation Assistance and Real Property Acquisition for Federal and Federally Assisted Programs"), which establish uniform policies for the fair and equitable treatment of persons, businesses, or farm operations affected by the acquisition, rehabilitation, or demolition of real property acquired for a project financed wholly or in part with Federal financial assistance.
- 7. **The Energy Conservation and Production Act (42 U.S.C. § 6834** *et seq.*), which establishes energy efficiency performance standards for the construction of new residential and commercial structures undertaken with Federal financial assistance.
- 8. Executive Order 13717, "Seismic Safety of Federal and Federally Assisted or Regulated New Building Construction", which requires that new buildings constructed with Federal assistance comply with the earthquake-resistant design provisions of the 2015 editions of the International Building Code (IBC) or the International Residential Code (IRC), nationally recognized building codes promulgated by the International Code Council (ICC), or equivalent codes, consistent with the provisions of and to the extent required by 40 U.S.C. § 3312.
- 9. **Compliance with Local Construction Requirements**. The Recipient will comply with current local building codes, standards, and other requirements applicable to the Project.

D. Non-Discrimination Requirements

No person in the United States shall, on the ground of race, color, national origin, handicap, age, religion, or sex, be excluded from participation in, be denied the benefits of, or be subject to discrimination under any program or activity receiving Federal financial assistance. In addition to the non-discrimination requirements set forth in section G.02 "Non-Discrimination Requirements" of the DOC Standard Terms and Conditions, which are incorporated in Part III of these Construction STCs, the Recipient agrees to comply with Pub. L. No. 92-65, 42 U.S.C. § 3123, which proscribes discrimination on the basis of sex in assistance provided under PWEDA.

E. Audits

1. General

a. Recipients must comply with the audit requirements set out as subpart F to 2 CFR part 200 ("Audit Requirements"). Generally, if the Recipient expends \$750,000 or more in Federal awards during the Recipient's fiscal year, the Recipient must have a single or program-specific audit conducted for that fiscal year. The cost of preparing the audit may be

included in the Project budget.

b. For program specific audits, EDA's Public Works and Economic Adjustment Assistance programs generally have specific audit guidelines that will be incorporated into the Award and may be found in the annual Compliance Supplement, which is Appendix XI to 2 CFR part 200 and available on OMB's website. When DOC does not have a program-specific audit guide available for the program, the auditor will follow the requirements for a program-specific audit as described in 2 CFR § 200.507 ("Program-specific audits").

2. Requirement to Submit a Copy of the Audit to EDA

If the Recipient's current audit required under subpart F of 2 CFR part 200 ("Audit Requirements") contains material findings, the Recipient must submit a copy of the audit to the Project Officer, who will review it with the Grants Officer. *See also* Part II, section B.16 "Project Closeout Procedures" of these EDA Construction STCs.

See section D "Audits" of the DOC Standard Terms and Conditions, which are incorporated in Part III of these EDA Construction STCs, for additional information related to audit requirements.

F. Tribal Employment Rights Ordinances

As set out in 31 U.S.C. § 1352, special provisions are applicable to Indian Tribes, Tribal organizations, and other Indian organizations eligible to receive Federal contracts, grants, loans, or cooperative agreements. In accordance with DOC policy, EDA recognizes Tribal Employment Rights Ordinances ("TEROs"), which may provide for preferences in contracting and employment, in connection with its financial assistance awards. Federal awards granted to American Indian and Alaska Native Tribal governments generally may provide for preference to qualified Indians in all aspects of employment, contracting, and other business activities, as well as the payment of a TERO fee. The payment of the TERO fee, which supports the Tribal employment rights office to administer the preferences, should generally be allowable as an expense that is "necessary and reasonable for the performance of the Federal award," as provided under 2 CFR § 200.403 ("Factors affecting allowability of costs").

G. EDA Contracting Provisions for Construction Projects

The Recipient must use the "EDA Contracting Provisions for Construction Projects" as guidance in developing all construction contracts. The "EDA Contracting Provisions for Construction Projects" lists applicable EDA and other Federal requirements for construction contracts.

H. Property

1. Standards

With respect to any property acquired or improved in whole or in part with Award funds, the Recipient must comply with the Property Standards set forth at 2 CFR §§ 200.310 ("Insurance coverage") through 200.316 ("Property trust relationship"), and EDA's regulations at 13 CFR part 314. Property acquired or improved in whole or in part by the Recipient under this Award may consist of real property; personal property, including equipment and supplies; and intangible property, such as money, notes, contractual rights, and security interests. Any property reports required under 2 CFR §§ 200.310 through 200.316, such as periodic inventories and requests for disposition instructions, must be submitted to the Grants Officer through the Project Officer on

Form SF-428 and/or SF-429, as applicable. *See also* section A.01.d "Real Property, Tangible Property and Intangible Property Reports and Requests for Dispositions" of the DOC Standard Terms and Conditions, which are incorporated in Part III of these EDA Construction STCs.

2. Title

- a. Title to equipment, supplies, and intangible property acquired in whole or in part under this Award generally vests upon acquisition in the Recipient. The use, management and disposition of equipment, supplies, and intangible property acquired in whole or in part under this Award must be in accordance with 2 CFR §§ 200.313 ("Equipment"), 200.314 ("Supplies"), and 200.315 ("Intangible property"), as applicable, and EDA regulations at 13 CFR part 314. See also section C.03 "Intellectual Property Rights" of the DOC Standard Terms and Conditions, which are incorporated in Part III of these EDA Construction STCs.
- b. Title to real property acquired in whole or in part under this Award generally vests upon acquisition in the Recipient, subject to the condition that the Recipient uses the real property for the authorized purpose of the Project. *See* 2 CFR § 200.311 ("Real property") and EDA regulations at 13 CFR part 314.

3. EDA's Interest in Award Property

a. *General - evidence of title*. As stated in Part I, section E, of these EDA Construction STCs "Recipient as Trustee", real property, equipment, and intangible property acquired or improved under this Award must be held in trust by the Recipient as trustee for the public purposes of an Award. This trust relationship exists throughout the duration of the property's estimated useful life, as determined by EDA, during which time EDA retains an undivided, equitable reversionary interest in the property ("Federal Interest"). *See* 13 CFR § 314.2.

Before advertising for construction bids or at such other time as EDA requires, the Recipient must furnish evidence, satisfactory in form and substance to EDA, that title to real property required for the Project (other than property of the United States and as provided in 13 CFR § 314.7(c) ("Title")) is vested in the Recipient and that such easements, rights-of-way, State or local government occupancy or use permits, long-term leases, or other property interests or access rights required for the Project have been or will be obtained by the Recipient within an acceptable time, as determined by EDA. All liens, mortgages, other encumbrances, reservations, reversionary interests, or other restrictions on title or the Recipient's interest in the property must be disclosed to EDA. See 13 CFR § 314.7 ("Title"). With limited exceptions set forth at 13 CFR §§ 314.6(a) and (b) ("Encumbrances") or as otherwise authorized by EDA, Recipient-owned property acquired or improved in whole or in part with Award funds must not be used to secure a mortgage or deed of trust or in any way otherwise encumbered. See 13 CFR § 314.6.

b. Recording EDA's Interest in Real Property.

i. For all Projects involving the acquisition, construction, or improvement of a building, infrastructure, or other real property, as determined by EDA, the Recipient must execute and furnish to EDA, prior to initial Award disbursement or at such other time as EDA requires, a lien, covenant, or other statement, satisfactory to EDA in form and substance, of EDA's interest in the property acquired or improved in whole or in part with the funds made available under this Award. EDA may permit such statement to be recorded after

initial Award disbursement in the event that grant funds are being used to acquire such property or for authorized costs, such as design and engineering services. The statement must specify the estimated useful life of the Project and must include the disposition, encumbrance, and the Federal Share compensation requirements, as well as any other requirements specified by EDA in its reasonable discretion. *See* 13 CFR §§ 314.1 ("Definitions") and 314.8(a) ("Recorded statement for real property"). *See also* 2 CFR § 200.316 ("Property trust relationship").

- ii. This lien, covenant, or other statement of the Federal interest must be perfected and placed of record in the real property records of the jurisdiction in which the property is located, all in accordance with applicable law. EDA may require an opinion of counsel for the Recipient to substantiate that the document was validly executed and properly recorded. *See* 13 CFR § 314.8(b).
- iii. Facilities in which the EDA assistance is only a small part of a larger project, as determined by EDA, may be exempted from the requirements listed in paragraphs H.3.b.i and ii above. *See* 13 CFR § 314.8(c).
- iv. In extraordinary circumstances and at EDA's discretion, EDA may choose to accept another instrument to protect EDA's interest in the Project property, such as an escrow agreement or letter of credit, provided that EDA determines such instrument is adequate and a recorded statement in accord with section H.3.b.i above is not reasonably available. The terms and provisions of the relevant instrument must be satisfactory to EDA. The costs and fees for escrow services or letters of credit must be paid by the Recipient. See 13 CFR § 314.8(d).
- c. Recording EDA's Interest in Personal Property. For all Projects involving the acquisition or improvement of significant items of equipment or other tangible personal property, including but not limited to watercraft, motor vehicles, machinery, equipment, removable fixtures, or structural components of buildings, the Recipient must execute a security interest, covenant, or other statement of EDA's reversionary interest in the personal property acceptable in form and substance to EDA, which statement must be perfected and placed of record in accordance with applicable law (usually accomplished by filing a Uniform Commercial Code Financing Statement (Form UCC-1), as provided by State law), with continuances re-filed as appropriate. EDA may require an opinion of counsel for the Recipient to substantiate that the Form UCC-1 or other filing was validly executed and properly recorded. See 13 CFR § 314.9 ("Recorded statement for Project personal property").
- d. *EDA's Interest and the estimated useful life*. The Recipient acknowledges that EDA retains an undivided equitable reversionary interest in property acquired or improved in whole or in part with grant funds made available through this Award throughout the estimated useful life (as determined by EDA) of the Project, except in applicable instances set forth at 13 CFR § 314.7(c) ("Title"). *See* 13 CFR § 314.2(a) ("Federal interest").
- e. *Unauthorized Use of Award Property*. The Recipient agrees that if any interest in property acquired or improved in whole or in part with Award funds is disposed of, encumbered, or alienated in any manner, or no longer used for the authorized purposes of the Award during the Project's estimated useful life without EDA's written approval, EDA will be entitled to recover the Federal Share, as defined at 13 CFR § 314.5 ("Federal share"). Examples of

alienation of Award property include sale or other conveyance of the Recipient's interest, leasing or mortgaging the property, or granting an option for any of the foregoing.

If, during the Project's estimated useful life, the property is no longer needed for the purposes of the Award, as determined by EDA, EDA may permit its use for other acceptable purposes consistent with those authorized by PWEDA and 13 CFR Chapter III. *See* 13 CFR § 314.3(b) ("Authorized use of property") or may direct the Recipient to sell the property and remit the Federal Share of the sales proceeds to EDA. *See* 2 C.F.R. §§ 200.311, 200.313.

f. Calculating the Federal Share. For purposes of any lien or security interest, the amount of the Federal Share is the portion of the current fair market value of any property (after deducting any actual and reasonable selling and repair expenses incurred to put the property into marketable condition) attributable to EDA's participation in the Project. See 13 CFR § 314.5 ("Federal share").

4. Insurance and Bonding

- a. *Insurance*. The Recipient must, at a minimum, provide the equivalent insurance coverage for real property and equipment acquired or improved with Federal funds as provided for property owned by the Recipient. Federally owned property need not be otherwise insured unless required by the Terms and Conditions of the Award. *See* 2 CFR § 200.310 ("Insurance coverage").
- b. *Bonding*. If the Award exceeds the simplified acquisition threshold as defined at 2 CFR § 200.1, EDA may accept the Recipient's or subrecipient's bonding policy and requirements if EDA or the pass-through entity determines that the Federal Interest is adequately protected. If not, the following minimum requirements will apply:
 - i. A bid guarantee from each bidder equivalent to five percent of the bid price. The "bid guarantee" must consist of a firm commitment such as a bid bond, certified check, or other negotiable instrument accompanying a bid as assurance that the bidder will, upon acceptance of the bid, execute such contractual documents as may be required within the time specified.
 - ii. A performance bond on the part of the contractor for 100 percent of the contract price. A "performance bond" is one executed in connection with a contract to secure fulfillment of all the contractor's obligations under such contract.
 - iii. A payment bond on the part of the contractor for 100 percent of the contract price. A "payment bond" is one executed in connection with a contract to ensure payment as required by law of all persons supplying labor and material in the execution of the work provided for in the contract. *See* 2 CFR § 200.326 ("Bonding requirements").

5. Leasing Restrictions.

Leasing or renting of facilities or property is prohibited unless specifically authorized by EDA. The Recipient agrees that any leasing or renting of any facilities or property involved in this Project will be subject to the following:

a. That said lease arrangement is consistent with the authorized general and special purpose of

the Award:

- b. That said lease arrangement is for adequate consideration;
- c. That said lease arrangement is consistent with applicable EDA requirements concerning but not limited to nondiscrimination and environmental compliance; and
- d. That all revenue derived from said leasing arrangement shall be subject to Part II, section A.7 "Program Income" of these EDA Construction STCs.

6. Eminent Domain

The Recipient will use funds solely for the authorized purpose of the Project. Pursuant to Executive Order 13406, "Protecting the Property Rights of the American People," the Recipient agrees:

- a. Not to exercise any power of eminent domain available to the Recipient (including the commencement of eminent domain proceedings) for use in connection with the Project for the purpose of advancing the economic interests of private parties; and
- b. Not to accept title to land, easements, or other interests in land acquired by the exercise of any power of eminent domain for use in connection with the Project for such purposes. The Recipient agrees that any use of the power of eminent domain to acquire land, easements, or interests in land, whether by the Recipient or any other entity that has the power of eminent domain, in connection with the Project without the prior written consent of EDA is an unauthorized use of the Project. If the Recipient puts the Project to an unauthorized use, the Recipient must compensate EDA for the Federal Share in accordance with 13 CFR §§ 314.4 ("Unauthorized use of property") and 314.5 ("Federal share"), as the same may be amended from time to time.

7. Disposal of Real Property

- a. During the estimated useful life of the Project, if EDA and the Recipient determine that property acquired or improved in whole or in part with Award funds is no longer needed for the original purposes of this Award, EDA may, in its discretion, approve use of the property in other Federal grant programs or in programs that have purposes consistent with those authorized by PWEDA and 13 CFR chapter III. See 13 CFR § 314.3(b) ("Authorized use of property").
- b. When property is not authorized for other uses as provided in section H.7.a above, EDA will provide disposition instructions to the Recipient, which may include directing the Recipient to sell the property and remit the Federal Share of the sales proceeds to EDA.

8. Reporting on Property.

a. Real Property status reports and requests for disposition. In accordance with 2 CFR § 200.330 "Reporting on real property", the Recipient must submit reports using Form SF-429 (Real Property Status Report), including appropriate attachments, at least annually on the status of real property in which EDA retains an interest, which generally includes real property acquired or improved under the award, unless such interest extends 15 years or longer. If EDA's interest is for a period of 15 years or longer, unless otherwise specified in a specific award condition, the Recipient must submit an annual report for the

first three years of the award and thereafter submit a real property status report every five years. If the Recipient wishes to dispose of real property acquired or improved under an EDA award, the Recipient must request disposition instructions, including the submission of Form SF-429, with appropriate attachments, from the Grants Officer in accordance with 2 CFR 200.311(c).

b. *Tangible Personal Property status reports and requests for dispositions*. The Recipient must submit periodic reports as specified in the terms of the Award using Form SF-428 (Tangible Personal Property Report), including appropriate attachments thereto, concerning tangible personal property that is Federally owned or tangible personal property in which EDA retains an interest. In addition, if the Recipient wishes to dispose of tangible personal property acquired or improved under an EDA award, the Recipient must request disposition instructions, including the submission of Form SF-428, with appropriate attachments, from the Grants Officer in accordance with 2 CFR 200.313(e).

See also section A.01.d of the DOC Standard Terms and Conditions, which are incorporated in Part III of these EDA Construction STCs.

I. Environmental Requirements

- 1. **General**. In addition to the environmental statutes, executive orders, and requirements set forth in section G.04 of the DOC Standard Terms and Conditions "Environmental Requirements," which are incorporated in Part III of these EDA Construction STCs, the Recipient must comply with the following:
 - a. Environmental Quality Improvement Act of 1970, as amended (42 U.S.C. §§ 4371-4375). Federally supported public works facilities and activities that affect the environment must be implemented in compliance with policies established under existing law.
 - b. The Lead-Based Paint Poisoning Prevention Act (42 U.S.C. § 4821 et seq.). Use of lead-based paint in residential structures improved with Federal assistance is prohibited.
 - c. The Farmland Protection Policy Act (7 U.S.C. §§ 4201–4209). Projects are subject to review under this Act if they may irreversibly directly or indirectly convert farmland, including forest land, pastureland, cropland, or other land, to nonagricultural use.
 - d. The Noise Control Act of 1972 (42 U.S.C. § 4901 et seq.). Federally supported facilities and activities must comply with Federal, State, interstate, and local requirements respecting control and abatement of environmental noise to the same extent that any person is subject to such requirements.
 - e. The Native American Graves Protection and Repatriation Act (25 U.S.C. § 3001 *et seq.*). This Act provides a process for returning certain Native American cultural items to lineal descendants, culturally affiliated Indian tribes, and Native Hawaiian organizations.

2. Compliance with Other Applicable Environmental Requirements

The Recipient agrees to promptly notify the Grants Officer in writing of any environmental requirement or restriction, regulatory or otherwise, with which it must comply. Before Project Closeout and final disbursement of Award funds, the Recipient further agrees to provide evidence

satisfactory to the Grants Officer that any required environmental remediation has been completed: (1) in compliance with all applicable Federal, State and local regulations; and (2) in accordance with any legally enforceable restrictions related to environmental restriction on the property such as environmental easements, deed restrictions, no further action determinations, or voluntary cleanup certifications. Compliance with said laws or restrictions must be included in any contract documents for Project construction. The Recipient must certify compliance before final disbursement of grant funds.

J. American-Made Equipment and Products

Recipients are hereby notified that they are encouraged, to the greatest extent practicable, to purchase American-made equipment and products with funding provided under this Award.

See also section G.05.a (Buy-American Preferences) of the DOC Standard Terms and Conditions, which are incorporated in Part III of these EDA Construction STCs.

PART III: DEPARTMENT OF COMMERCE STANDARD TERMS & CONDITIONS

The DOC Standard Terms and Conditions dated November 12, 2020 are incorporated herein by reference herein as Part III of these EDA Construction STCs.

In the event of a conflict between Parts I or II of these EDA Construction STCs and Part III, which incorporates the DOC Standard Terms and Conditions, Parts I and II will control.

DEPARTMENT OF COMMERCE FINANCIAL ASSISTANCE STANDARD TERMS AND CONDITIONS



DEPARTMENT OF COMMERCE FINANCIAL ASSISTANCE STANDARD TERMS AND CONDITIONS

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PREFACE

This document sets out the standard terms and conditions (ST&Cs) applicable to this U.S. Department of Commerce (DOC or Commerce) financial assistance award (hereinafter referred to as the DOC ST&Cs or Standard Terms). A non-Federal entity¹ receiving a DOC financial assistance award must, in addition to the assurances made as part of the application, comply and require each of its subrecipients, contractors, and subcontractors employed in the completion of the project to comply with all applicable statutes, regulations, executive orders (E.O.s), Office of Management and Budget (OMB) circulars, provisions of the OMB *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (codified at 2 C.F.R. Part 200) (OMB Uniform Guidance), provisions of these Standard Terms, and any other terms and conditions incorporated into this DOC financial assistance award. In addition, unless otherwise provided by the terms and conditions of this DOC financial assistance award, Subparts A through E of 2 C.F.R. Part 200 and the Standard Terms are applicable to for-profit entities, foreign public entities and to foreign organizations that carry out a DOC financial assistance award.

This award is subject to the laws and regulations of the United States. Any inconsistency or conflict in terms and conditions specified in the award will be resolved according to the following order of precedence: federal laws and regulations, applicable notices published in the *Federal Register*, E.O.s, OMB circulars, DOC ST&Cs, agency standard award conditions (if any), and specific award conditions. A specific award condition may amend or take precedence over a Standard Term on a case-by-case basis, when indicated by the specific award condition.

Some of the Standard Terms herein contain, by reference or substance, a summary of the pertinent statutes, regulations published in the *Federal Register* or Code of Federal Regulations (C.F.R.), E.O.s, OMB circulars, or the certifications and assurances provided by applicants through Standard Forms (*e.g.*, SF-424s) or through DOC forms (*e.g.* Form CD-511). To the extent that it is a summary, such Standard Term provision is not in derogation of, or an amendment to, any such statute, regulation, E.O., OMB circular, certification, or assurance.

¹ Note that the OMB Uniform Guidance uses the term "non-Federal entity" to generally refer to an entity that carries out a Federal award as a recipient or subrecipient. Because some of the provisions of these DOC ST&Cs apply to recipients rather than subrecipients, or vice versa, for clarity, these DOC ST&Cs use the terms "non-Federal entity," "recipient," and "subrecipient" consistent with their meanings in the OMB Uniform Guidance. In addition, the OMB Uniform Guidance uses the term "pass-through entity" to refer to a non-Federal entity that makes a subaward. As defined at 2 C.F.R. § 200.1:

[&]quot;Non-Federal entity" is "a state, local government, Indian tribe, institution of higher education (IHE), or nonprofit organization that carries out a Federal award as a recipient or subrecipient."

[&]quot;Recipient" is "an entity, usually but not limited to non-Federal entities, that receives a Federal award directly from a Federal awarding agency. The term recipient does not include subrecipients or individuals that are beneficiaries of the award."

[&]quot;Subrecipient" is "an entity, usually but not limited to non-Federal entities, that receives a subaward from a passthrough entity to carry out part of a Federal award; but does not include an individual that is a beneficiary of such award. A subrecipient may also be a recipient of other Federal awards directly from a Federal awarding agency." "Pass-through entity" is "a non-Federal entity that provides a subaward to a subrecipient to carry out part of a Federal program."

² See 2 C.F.R. § 200.1 for the definitions of "foreign public entity" and "foreign organization."

DOC commenced implementation of the Research Terms and Conditions (RT&Cs) for Federal awards effective October 1, 2017; the RT&Cs address and implement the Uniform Guidance issued by OMB. For awards designated on the Form CD-450 (Financial Assistance Award) as Research, both the DOC ST&Cs and the RT&Cs as implemented by DOC apply to the award. The RT&Cs as well as the DOC implementation statement, agency specific requirements, prior approval matrix, subaward requirements, and national policy requirements are posted on the National Science Foundation's website – https://www.nsf.gov/awards/managing/rtc.jsp. The DOC ST&Cs and the RT&Cs are generally intended to harmonize with each other; however, where the DOC ST&Cs and the RT&Cs differ in a Research award, the RT&Cs prevail, unless otherwise indicated in a specific award condition.

A. PROGRAMMATIC REQUIREMENTS

.01 Reporting Requirements

- a. Recipients must submit all reports as required by DOC, electronically or, if unable to submit electronically, in hard copy, as outlined below and as may be supplemented by the terms and conditions of a specific DOC award.
- b. Performance (Technical) Reports. Recipients must submit performance (technical) reports to the Program Officer. Performance (technical) reports should be submitted in the same frequency as the Form SF-425 (Federal Financial Report), unless otherwise directed by the Grants Officer.
 - 1. Performance (technical) reports must contain the information prescribed in 2 C.F.R. § 200.329 (Monitoring and reporting program performance), unless otherwise specified in the award conditions.
 - 2. As appropriate and in accordance with the format provided by the Program Officer (or other OMB-approved information collections, including the Research Program Performance Report [RPPR] as adopted by DOC for use in research awards), recipients are required to relate financial data to the performance accomplishments of this Federal award. When applicable, recipients must also provide cost information to demonstrate cost effective practices (e.g., through unit cost data). The recipient's performance will be measured in a way that will help DOC to improve program outcomes, share lessons learned, and spread the adoption of best or promising practices. As described in 2 C.F.R. § 200.211 (Information contained in a Federal award), DOC will identify the timing and scope of expected performance by the recipient as related to the outcomes intended to be achieved by the Federal program.
 - 3. Recipients (or pass-through entities as applicable) must submit a final performance report within 120 calendar days after the expiration of the period of performance. The subrecipient is required to submit its final performance report to the pass-through entity within 90 calendar days unless an extension has been granted.

- c. Financial Reports. In accordance with 2 C.F.R. § 200.328 (Financial reporting), the recipient must submit a Form SF-425 (Federal Financial Report) or any successor form on a semi-annual basis for the periods ending March 31 and September 30, or any portion thereof, unless otherwise specified in a specific award condition. Reports must be submitted to DOC as directed by the Grants Officer, in accordance with the award conditions and are due no later than 30 calendar days following the end of each reporting period. Recipients (or pass-through entities as applicable) must submit a final Form SF-425 within 120 calendar days after the expiration of the period of performance. The subrecipient is required to submit its financial report to the pass-through entity within 90 calendar days unless an extension has been granted. A recipient may submit a final financial report in lieu of an interim financial report due at the end of the period of performance (*e.g.*, in lieu of submitting a financial report for the last semi-annual or other reporting under an award, a recipient may submit a final (cumulative) financial report covering the entire award period).
- d. Real Property, Tangible Personal Property and Intangible Property Reports and Requests for Dispositions. Unless otherwise required by the terms and conditions of a DOC financial assistance award, where real property, tangible personal property or intangible property is acquired or improved (in the case of real property or tangible personal property), or produced or acquired (in the case of intangible property), pursuant to a DOC award, non-Federal entities are required to submit the following real property, tangible personal property and intangible property reports (as appropriate):
 - 1. Real Property Status Reports and Requests for Dispositions: Non-Federal entities must submit reports using Form SF-429 (Real Property Status Report) or any successor form, including appropriate attachments thereto, at least annually disclosing the status of real property that is Federally-owned property or real property in which the Federal Government retains a Federal Interest, unless the Federal Interest in the real property extends 15 years or longer. In cases where the Federal Interest attached is for a period of 15 years or more, the DOC or pass-through entity, at its option, may require the non-Federal entity to report at various multi-year frequencies (e.g., every two years or every three years, not to exceed a five-year reporting period; or, the DOC or pass-through entity may require annual reporting for the first three years of a Federal award and thereafter require reporting every five years). In addition, DOC or a pass-through entity may require a non-Federal entity to submit Form SF-429, with appropriate attachments, relating to a non-Federal entity's request to acquire, improve or contribute real property under a DOC financial assistance award. Non-Federal entities wishing to dispose of real property acquired or improved, in whole or in part, pursuant to a DOC award must request disposition instructions, including the submission of Form SF-429, with appropriate attachments, from the Grants Officer in accordance with the requirements set forth in 2 C.F.R. § 200.311(c). See also the real property standards set forth in Section C. of these Standard Terms (Property Standards).
 - 2. Tangible Personal Property Status Reports and Requests for Dispositions: DOC or a pass-through entity may also require a non-Federal entity to submit periodic reports using Form SF-428 (Tangible Personal Property Report) or any successor form, including appropriate attachments thereto, concerning tangible personal property that is Federally-owned or tangible personal property in which the Federal Government retains an interest. In

addition, DOC or a pass-through entity may require a non-Federal entity to submit Form SF-428 in connection with a non-Federal entity's request to dispose of tangible personal property acquired under a DOC financial assistance award. Non-Federal entities wishing to dispose of tangible personal property acquired or improved, in whole or in part, pursuant to a DOC award must request disposition instructions, including the submission of Form SF-428, with appropriate attachments, from the Grants Officer in accordance with the requirements set forth in 2 C.F.R. § 200.313(e). *See also* the tangible property standards set forth in Section C. of these Standard Terms (Property Standards).

- 3. Intangible Property Status Reports and Requests for Dispositions: The specific requirements governing the development, reporting, and disposition of rights to intangible property, including inventions and patents resulting from DOC awards, are set forth in 37 C.F.R. Part 401, which is hereby incorporated by reference into this award. Non-Federal entities are required to submit their disclosures, elections, and requests for waiver from any requirement for substantial U.S. manufacture, electronically using the Interagency Edison extramural invention reporting system (iEdison) at www.iedison.gov. Non-Federal entities may obtain a waiver of this electronic submission requirement by providing to the Grants Officer compelling reasons for allowing the submission of paper reports. When no longer needed for the originally authorized purpose, disposition of the intangible property must occur in accordance with the provisions in 2 C.F.R. § 200.313(e). See also the intangible property standards set forth in Section C. of these Standard Terms (Property Standards).
- e. Subawards and Executive Compensation Reports. For reporting requirements on subawards and Executive Compensation, see paragraph G.05.0 of these Standard Terms (The Federal Funding Accountability and Transparency Act (FFATA) (31 U.S.C. § 6101 note)).
- f. Recipient Integrity and Performance Matters. For reporting requirements pertaining to integrity and performance matters, see paragraph G.05.p of these Standard Terms (Recipient Integrity and Performance Matters (Appendix XII to 2 C.F.R. Part 200)).
- g. Research Performance Progress Reports. All research awards shall submit the Research Performance Progress Report (RPPR) in accordance with instructions set forth in the following link: RPPR Instructions.

.02 Revisions of Program Plans

In accordance with 2 C.F.R. § 200.308 (Revision of budget and program plans) and 2 C.F.R. § 200.407 (Prior written approval (prior approval)), the recipient must obtain prior written approval from the DOC Grants Officer for certain proposed programmatic change requests, unless otherwise provided by the terms and conditions of a DOC award. Requests for prior approval for changes to program plans must be submitted to the Federal Program Officer (or electronically for awards administered through Grants Online). Requests requiring prior DOC approval are not effective unless and until approved in writing by the DOC Grants Officer.

.03 Other Federal Awards with Similar Programmatic Activities

The recipient must immediately provide written notification to the DOC Program Officer and the DOC Grants Officer if, subsequent to receipt of the DOC award, other financial assistance is received to support or fund any portion of the scope of work incorporated into the DOC award. DOC will not pay for costs that are funded by other sources.

.04 Prohibition against Assignment by a Non-Federal Entity

A non-Federal entity must not transfer, pledge, mortgage, assign, encumber or hypothecate a DOC financial assistance award or subaward, or any rights to, interests therein or claims arising thereunder, to any party or parties, including but not limited to banks, trust companies, other financing or financial institutions, or any other public or private organizations or individuals without the express prior written approval of the DOC Grants Officer or the pass-through entity (which, in turn, may need to obtain prior approval from the DOC Grants Officer).

.05 Disclaimer Provisions

- a. The United States expressly disclaims all responsibility or liability to the non-Federal entity or third persons (including but not limited to contractors) for the actions of the non-Federal entity or third persons resulting in death, bodily injury, property damages, or any other losses resulting in any way from the performance of this award or any subaward, contract, or subcontract under this award.
- b. The acceptance of this award or any subaward by the non-Federal entity does not in any way constitute an agency relationship between the United States and the non-Federal entity or the non-Federal entity's contractors or subcontractors.

.06 Unsatisfactory Performance or Non-Compliance with Award Provisions

- a. Failure to perform the work in accordance with the terms of the award and maintain satisfactory performance as determined by DOC may result in the imposition of additional award conditions pursuant to 2 C.F.R. § 200.208 (Specific conditions) or other appropriate enforcement action as specified in 2 C.F.R. § 200.339 (Remedies for noncompliance).
- b. Failure to comply with the provisions of an award will be considered grounds for appropriate enforcement action pursuant to 2 C.F.R. § 200.339 (Remedies for noncompliance), including but not limited to: the imposition of additional award conditions in accordance with 2 C.F.R. § 200.208 (Specific conditions); temporarily withholding award payments pending the correction of the deficiency; changing the payment method to reimbursement only; the disallowance of award costs and the establishment of an accounts receivable; wholly or partially suspending or terminating an award; initiating suspension or debarment proceedings in accordance with 2 C.F.R. Parts 180 and 1326; and such other remedies as may be legally available.
- c. 2 C.F.R. §§ 200.340 (Termination) through 200.343 (Effects of suspension and termination) apply to an award that is terminated prior to the end of the period of performance

due to the non-federal entity's material failure to comply with the award terms and conditions. In addition, the failure to comply with the provisions of a DOC award may adversely impact the availability of funding under other active DOC or Federal awards and may also have a negative impact on a non-Federal entity's eligibility for future DOC or Federal awards.

B. FINANCIAL REQUIREMENTS

.01 Financial Management

- a. In accordance with 2 C.F.R. § 200.302(a) (Financial Management), each State must expend and account for the Federal award in accordance with State laws and procedures for expending and accounting for the State's own funds. In addition, the State's and any other non-Federal entity's financial management systems, including records documenting compliance with Federal statutes, regulations, and the terms and conditions of the Federal award, must be sufficient to permit the preparation of reports required by general and program-specific terms and conditions; and the tracing of funds to a level of expenditures adequate to establish that such funds have been used in accordance with Federal statutes, regulations, and the terms and conditions applicable to the Federal award. *See also* 2 C.F.R. § 200.450 (Lobbying) for additional management requirements to verify that Federal funds are not used for unallowable lobbying costs.
- b. The financial management system of each non-Federal entity must provide all information required by 2 C.F.R. § 200.302(b). *See also* 2 C.F.R. §§ 200.334 (Retention requirements for records); 200.335 (Requests for transfer of records); 200.336 (Methods for collection, transmission and storage of information); 200.337 (Access to records); and 200.338 (Restrictions on public access to records).

.02 Award Payments

- a. Consistent with 2 C.F.R. § 200.305(a) (Federal payment), for States, payments are governed by Treasury-State Cash Management Improvement Act (CMIA) agreements and default procedures codified at 31 C.F.R. Part 205 (Rules and Procedures for Efficient Federal-State Funds Transfers) and Treasury Financial Manual Volume I, 4A-2000 (Overall Disbursing Rules for All Federal Agencies).
- b. Consistent with 2 C.F.R. § 200.305(b), for non-Federal entities other than States, payment methods must minimize the amount of time elapsing between the transfer of funds from the U.S. Treasury or the pass-through entity and the disbursement by the non-Federal entity.
 - 1. The Grants Officer determines the appropriate method of payment and, unless otherwise stated in a specific award condition, the advance method of payment must be authorized. Advances must be limited to the minimum amounts needed and be timed to be in accordance with the actual, immediate cash requirements of the non-Federal entity in carrying out the purpose of the approved program or project. Unless otherwise provided by the terms and conditions of a DOC award, non-Federal entities must time advance payment requests so that Federal funds are on hand for a maximum of 30 calendar days before being disbursed by the

non-Federal entity for allowable award costs.

- 2. If a non-Federal entity demonstrates an unwillingness or inability to establish procedures that will minimize the time elapsing between the transfer of funds and disbursement by the non-Federal entity or if a non-Federal entity otherwise fails to continue to qualify for the advance method of payment, the Grants Officer or the pass-through entity may change the method of payment to reimbursement only.
- c. Unless otherwise provided for in the award terms, payments from DOC to recipients under this award will be made using the Department of Treasury's Automated Standard Application for Payment (ASAP) system. Under the ASAP system, payments are made through preauthorized electronic funds transfers directly to the recipient's bank account, in accordance with the requirements of the Debt Collection Improvement Act of 1996. To receive payments under ASAP, recipients are required to enroll with the Department of Treasury, Financial Management Service, Regional Financial Centers, which allows them to use the on-line and Voice Response System (VRS) method of withdrawing funds from their ASAP established accounts. The following information will be required to make withdrawals under ASAP:
 - 1. ASAP account number the Federal award identification number found on the cover sheet of the award;
 - 2. Agency Location Code (ALC); and
 - 3. Region Code.
- d. Recipients enrolled in the ASAP system do not need to submit a Form SF-270 (Request for Advance or Reimbursement) for payments relating to their award. Awards paid under the ASAP system will contain a specific award condition, clause, or provision describing enrollment requirements and any controls or withdrawal limits set in the ASAP system.
- e. When the Form SF-270 or successor form is used to request payment, the recipient must submit the request no more than <u>monthly</u>, and advances must be approved for periods to cover only expenses reasonably anticipated over the next 30 calendar days. Prior to receiving payments via the Form SF-270, the recipient must complete and submit to the Grants Officer the Form SF-3881 (ACH Vendor Miscellaneous Payment Enrollment Form) or successor form along with the initial Form SF-270. Form SF-3881 enrollment must be completed before the first award payment can be made via a Form SF-270 request.
- f. The Federal award identification number must be included on all payment-related correspondence, information, and forms.
- g. Non-Federal entities receiving advance award payments must adhere to the depository requirements set forth in 2 C.F.R. §§ 200.305(b)(7) through (b)(11). Interest amounts up to \$500 per non-Federal entity's fiscal year may be retained by the non-Federal entity for administrative expenses.

.03 Federal and Non-Federal Sharing

- a. Awards that include Federal and non-Federal sharing incorporate a budget consisting of shared allowable costs If actual allowable costs are less than the total approved budget, the Federal and non-Federal cost shares must be calculated by applying the approved Federal and non-Federal cost share ratios to actual allowable costs. If actual allowable costs exceed the total approved budget, the Federal share must not exceed the total Federal dollar amount authorized by the award.
- b. The non-Federal share, whether in cash or third-party in-kind contributions, is to be paid out at the same general rate as the Federal share. Exceptions to this requirement may be granted by the Grants Officer based on sufficient documentation demonstrating previously determined plans for, or later commitment of, cash or third-party in-kind contributions. In any case, the recipient must meet its cost share commitment as set forth in the terms and conditions of the award; failure to do so may result in the assignment of specific award conditions or other further action as specified in Standard Term A.06 (Unsatisfactory Performance or Non-Compliance with Award Provisions). The non-Federal entity must create and maintain sufficient records justifying all non-Federal sharing requirements to facilitate questions and audits; see Section D of these Standard Terms (Audits), for audit requirements. *See* 2 C.F.R. § 200.306 for additional requirements regarding cost sharing.

.04 Budget Changes and Transfer of Funds among Categories

- a. Recipients are required to report deviations from the approved award budget and request prior written approval from DOC in accordance with 2 C.F.R. § 200.308 (Revision of budget and program plans) and 2 C.F.R. § 200.407 (Prior written approval (prior approval)). Requests for such budget changes must be submitted to the Grants Officer (or electronically for awards serviced through Grants Online) who will notify the recipient of the final determination in writing. Requests requiring prior DOC approval do not become effective unless and until approved in writing by the DOC Grants Officer.
- b. In accordance with 2 C.F.R. § 200.308(f), transfers of funds by the recipient among direct cost categories are permitted for awards in which the Federal share of the project is equal to or less than the simplified acquisition threshold. For awards in which the Federal share of the project exceeds the simplified acquisition threshold, transfers of funds among direct cost categories must be approved in writing by the Grants Officer when the cumulative amount of such direct costs transfers exceeds 10 percent of the total budget as last approved by the Grants Officer. The 10 percent threshold applies to the total Federal and non-Federal funds authorized by the Grants Officer at the time of the transfer request. This is the accumulated amount of Federal funding obligated to date by the Grants Officer along with any non-Federal share. The same requirements apply to the cumulative amount of transfer of funds among programs, functions, and activities. This transfer authority does not authorize the recipient to create new budget categories within an approved budget without Grants Officer approval. Any transfer that causes any Federal appropriation, or part thereof, to be used for an unauthorized purpose is not and will not be permitted. In addition, this provision does not prohibit the recipient from requesting Grants Officer approval for revisions to the budget. See 2 C.F.R. § 200.308 (Revision

of budget and program plans) (as applicable) for specific requirements concerning budget revisions and transfer of funds between budget categories.

.05 Program Income

Unless otherwise indicated in the award terms, program income may be used for any required cost sharing or added to the project budget, consistent with 2 C.F.R. § 200.307 (Program income).

.06 Indirect or Facilities and Administrative Costs

- a. Indirect costs (or facilities and administration costs (F&A)) for major institutions of higher education and major nonprofit organizations can generally be defined as costs incurred for a common or joint purpose benefitting more than one cost objective, and not readily assignable to the cost objectives specifically benefited, without effort disproportionate to the results achieved. Indirect costs will not be allowable charges against an award unless permitted under the award and specifically included as a line item in the award's approved budget.
- b. Unrecovered indirect costs, including unrecovered indirect costs on cost sharing or matching, may be included as part of cost sharing or matching as allowed under 2 C.F.R. § 200.306(c) (Cost sharing or matching) or the terms and conditions of a DOC award.
- c. Cognizant Agency for Indirect (F&A) Costs. OMB established the cognizant agency concept, under which a single agency represents all others in dealing with non-Federal entities in common areas. The cognizant agency for indirect costs reviews and approves non-Federal entities' indirect cost rates. In accordance with Appendices III VII to 2 C.F.R. Part 200 the cognizant agency for indirect costs reviews and approves non-Federal entities' indirect cost rates. With respect to for-profit organizations, the term cognizant Federal agency generally is defined as the agency that provides the largest dollar amount of negotiated contracts, including options. See 48 C.F.R. § 42.003. If the only Federal funds received by a commercial organization are DOC award funds, then DOC becomes the cognizant Federal agency for indirect cost negotiations.
 - 1. General Review Procedures Where DOC is the Cognizant Agency.
 - i. Within 90 calendar days of the award start date, the recipient must submit to the Grants Officer any documentation (indirect cost proposal, cost allocation plan, etc.) necessary to allow DOC to perform the indirect cost rate proposal review. Below are two sources available for guidance on how to put an indirect cost plan together:
 - (A) Department of Labor: https://www.dol.gov/oasam/boc/dcd/np-comm-guide.htm or
 - (B) Department of the Interior: https://www.doi.gov/ibc/services/finance/indirect-cost-Services/.
 - ii. The recipient may use the rate proposed in the indirect cost plan as a provisional rate until the DOC provides a response to the submitted plan.

- iii. The recipient is required to annually submit indirect cost proposals no later than six months after the recipient's fiscal year end, except as otherwise provided by 2 C.F.R. § 200.414(g).
- 2. When DOC is not the oversight or cognizant Federal agency, the recipient must provide the Grants Officer with a copy of a negotiated rate agreement or a copy of the transmittal letter submitted to the cognizant or oversight Federal agency requesting a negotiated rate agreement within 30 calendar days of receipt of a negotiated rate agreement or submission of a negotiated rate proposal.
- 3. If the recipient is proposing indirect costs as part of a project budget, but is not required to have a negotiated rate agreement pursuant to 2 C.F.R. Part 200, Appendix VII, Paragraph D.1.b (*i.e.*, a governmental department or agency that receives \$35 million or less in direct Federal funding), the recipient may be required to provide the Grants Officer with a copy of its Certificate of Indirect Costs as referenced in 2 C.F.R. Part 200, Appendix VII, Paragraph D.3. or such other documentation, acceptable in form and substance to the Grants Officer, sufficient to confirm that proposed indirect costs are calculated and supported by documentation in accordance with 2 C.F.R. Part 200, Appendix VII. In cases where the DOC is the recipient's cognizant Federal agency, the DOC reserves the right, pursuant to 2 C.F.R. Part 200, Appendix VII, Paragraph D.1.b, to require the recipient to submit its indirect cost rate proposal for review by DOC.
- d. If the recipient fails to submit required documentation to DOC within 90 calendar days of the award start date, the Grants Officer may amend the award to preclude the recovery of any indirect costs under the award. If the DOC, oversight, or cognizant Federal agency determines there is a finding of good and sufficient cause to excuse the recipient's delay in submitting the documentation, an extension of the 90-day due date may be approved by the Grants Officer.
- e. The maximum dollar amount of allocable indirect costs for which DOC will reimburse the recipient is the lesser of:
 - 1. The line item amount for the Federal share of indirect costs contained in the approved award budget, including all budget revisions approved in writing by the Grants Officer; or
 - 2. The Federal share of the total indirect costs allocable to the award based on the indirect cost rate approved by the cognizant agency for indirect costs and applicable to the period in which the cost was incurred, in accordance with 2 C.F.R 200 Appendix III, C.7, provided that the rate is approved on or before the award end date.
- f. In accordance with 2 CFR § 200.414(c)(3), DOC set forth policies, procedures, and general decision-making criteria for deviations from negotiated indirect cost rates. These policies and procedures are applicable to all Federal financial assistance programs awarded and administered by DOC bureaus as Federal awarding agencies and may be found at http://www.osec.doc.gov/oam/grants_management/policy/documents/FAM%202015-02.pdf.

- g. In accordance with 2 CFR § 200.414(g), any non-Federal entity that has a negotiated indirect cost rate may apply to the entity's cognizant agency for indirect costs for a one-time extension of a currently negotiated indirect cost rate for a period of up to four years, reducing the frequency of rate calculations and negotiations between an institution and its cognizant agency.
- h. In accordance with 2 CFR § 200.414(f), any non-Federal entity that does not have a current negotiated (including provisional) rate, except for those non-Federal entities described in paragraph D.1.b of Appendix VII to 2 CFR Part 200, may elect to charge a de minimis rate of 10 percent of modified total direct costs. No documentation is required to justify the 10 percent de minimis indirect cost rate.

.07 Incurring Costs or Obligating Federal Funds Before and After the Period of Performance

- a. In accordance with 2 C.F.R. § 200.309 (Modifications to Period of Performance) and the terms and conditions of a DOC award, a non-Federal entity may charge to the Federal award only allowable costs incurred during the period of performance, which is established in the award document. As defined at 2 C.F.R. § 200.1, the "period of performance" means the total estimated time interval between the start of an initial Federal award and the planned end date, which may include one or more funded portions, or budget periods. Identification of the Period of Performance in the Federal award per § 200.211(b)(5) does not commit the awarding agency to fund the award beyond the currently approved budget period." The period of performance may sometimes be referred to as the project period or award period. This Standard Term is subject to exceptions for allowable costs pertaining to: (i) pre-award costs (*see* 2 C.F.R. § 200.458); (ii) publication and printing costs (*see* 2 C.F.R. § 200.461); and administrative costs incurred relating to the close-out of an award (*see* 2 C.F.R. § 200.344).
- b. Reasonable, necessary, allowable and allocable administrative award closeout costs are authorized for a period of up to 120 calendar days following the end of the period of performance. For this purpose, award closeout costs are those strictly associated with close-out activities and are typically limited to the preparation of final progress, financial, and required project audit reports, unless otherwise approved in writing by the Grants Officer. A non-Federal entity may request an extension of the 120-day closeout period, as provided in 2 C.F.R. § 200.344 (Closeout).
- c. Unless authorized by a specific award condition, any extension of the period of performance may only be authorized by the Grants Officer in writing. This is not a delegable authority. Verbal or written assurances of funding from anyone other than the Grants Officer does not constitute authority to obligate funds for programmatic activities beyond the end of the period of performance.
- d. The DOC has no obligation to provide any additional prospective funding. Any amendment of the award to increase funding and to extend the period of performance is at the sole discretion of DOC.

.08 Tax Refunds

The non-Federal entity shall contact the Grants Officer immediately upon receipt of the refund of any taxes, including but not limited to Federal Insurance Contributions Act (FICA) taxes, Federal Unemployment Tax Act (FUTA) taxes, or Value Added Taxes (VAT) that were allowed as charges to a DOC award, regardless of whether such refunds are received by the non-Federal entity during or after the period of performance. The Grants Officer will provide written disposition instructions to the non-Federal entity, which may include the refunded taxes being credited to the award as either a cost reduction or a cash refund, or may allow the non-Federal entity to use such refunds for approved activities and costs under a DOC award. *See* 2 C.F.R. § 200.470 (Taxes (including Value Added Tax)).

.09 Internal Controls

Each recipient must comply with standards for internal controls described at 2 C.F.R. § 200.303 (Internal controls). The "Standards for Internal Control in the Federal Government" issued by the Comptroller General of the United States referenced in § 200.303 are available online at http://www.gao.gov/assets/80/76455.pdf and the "Internal Control Integrated Framework" issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) is available online at Internal Control Guidance.

C. PROPERTY STANDARDS

.01 Standards

Each non-Federal entity must comply with the Property Standards set forth in 2 C.F.R. §§ 200.310 (Insurance coverage) through 200.316 (Property trust relationship).

.02 Real and Personal Property

- a. In accordance with 2 C.F.R. § 200.316 (Property trust relationship), real property, equipment, and other personal property acquired or improved with a Federal award must be held in trust by the non-Federal entity as trustee for the beneficiaries of the project or program under which the property was acquired or improved. This trust relationship exists throughout the duration of the property's estimated useful life, as determined by the Grants Officer in consultation with the Program Office, during which time the Federal Government retains an undivided, equitable reversionary interest in the property (Federal Interest). During the duration of the Federal Interest, the non-Federal entity must comply with all use and disposition requirements and restrictions as set forth in 2 C.F.R. §§ 200.310 (Insurance coverage) through 200.316 (Property trust relationship), as applicable, and in the terms and conditions of the Federal award.
- b. The Grants Officer may require a non-Federal entity to execute and to record (as applicable) a statement of interest, financing statement (form UCC-1), lien, mortgage or other public notice of record to indicate that real or personal property acquired or improved in whole or in part with Federal funds is subject to the Federal Interest, and that certain use and disposition

requirements apply to the property. The statement of interest, financing statement (Form UCC 1), lien, mortgage or other public notice must be acceptable in form and substance to the DOC and must be placed on record in accordance with applicable State and local law, with continuances re-filed as appropriate. In such cases, the Grants Officer may further require the non-Federal entity to provide the DOC with a written statement from a licensed attorney in the jurisdiction where the property is located, certifying that the Federal Interest has been protected, as required under the award and in accordance with applicable State and local law. The attorney's statement, along with a copy of the instrument reflecting the recordation of the Federal Interest, must be returned to the Grants Officer. Without releasing or excusing the non-Federal entity from these obligations, the non-Federal entity, by execution of the financial assistance award or by expending Federal financial assistance funds (in the case of a subrecipient), authorizes the Grants Officer and/or program office to file such notices and continuations as it determines to be necessary or convenient to disclose and protect the Federal Interest in the property. The Grants Officer may elect not to release any or a portion of the Federal award funds until the non-Federal entity has complied with this provision and any other applicable award terms or conditions, unless other arrangements satisfactory to the Grants Officer are made.

.03 Intellectual Property Rights

- a. General. The rights to any work or other intangible property produced or acquired under a Federal award are determined by 2 C.F.R. § 200.315 (Intangible property). The non-Federal entity owns any work produced or purchased under a Federal award subject to the DOC's royalty-free, nonexclusive, and irrevocable right to obtain, reproduce, publish, or otherwise use the work or authorize others to receive, reproduce, publish, or otherwise use the work for Government purposes.
- b. Inventions. Unless otherwise provided by law, the rights to any invention made by a non-Federal entity under a DOC financial assistance award are determined by the Bayh-Dole Act, Pub. L. No. 96-517, as amended, and as codified in 35 U.S.C. § 200 *et seq.*, and modified by E.O. 12591 (52 FR 13414), as amended by E.O. 12618 (52 FR 48661). 35 U.S.C. § 201(h) defines "small business firm" as "a small business concern as defined at section 2 of Public Law 85–536 (15 U.S.C. 632) and implementing regulations of the Administrator of the Small Business Administration." Section 1(b)(4) of E.O. 12591 extended the Bayh-Dole Act to non-Federal entities "regardless of size" to the extent permitted by law. The specific requirements governing the development, reporting, and disposition of rights to inventions and patents resulting from Federal awards are described in more detail in 37 C.F.R. Part 401, which implements 35 U.S.C. 202 through 204 and includes standard patent rights clauses in 37 C.F.R. § 401.14, which is hereby incorporated by reference into this award.

The Bayh-Dole regulations set forth in 37 C.F.R. parts 401 and 404 were amended by 83 FR 15954, with an effective date of May 14, 2018 (Amended Bayh-Dole Regulations). The Amended Bayh-Dole Regulations apply to all new financial assistance awards issued on or after May 14, 2018. The Amended Bayh-Dole Regulations do not apply to financial assistance awards issued prior to May 14, 2018, including amendments made to such awards, unless an award amendment includes a specific condition incorporating the Amended Bayh-Dole Regulations into the terms and conditions of the subject award.

- 1. Ownership. A non-Federal entity may have rights to inventions in accordance with 37 C.F.R. Part 401. These requirements are technical in nature and non-Federal entities are encouraged to consult with their Intellectual Property counsel to ensure the proper interpretation of and adherence to the ownership rules. Unresolved questions pertaining to a non-Federal entities' ownership rights may further be addressed to the Grants Officer.
- 2. Responsibilities iEdison. The non-Federal entity must comply with all the requirements of the standard patent rights clause and 37 C.F.R. Part 401, including the standard patent rights clause in 37 C.F.R. § 401.14. Non-Federal entities are required to submit their disclosures, elections, and requests for waiver from any requirement for substantial U.S. manufacture, electronically using the Interagency Edison extramural invention reporting system (iEdison) at www.iedison.gov. Non-Federal entities may obtain a waiver of this electronic submission requirement by providing the Grants Officer with compelling reasons for allowing the submission of paper reports.
- c. Patent Notification Procedures. Pursuant to E.O. 12889 (58 FR 69681), the DOC is required to notify the owner of any valid patent covering technology whenever the DOC or a non-Federal entity, without making a patent search, knows (or has demonstrable reasonable grounds to know) that technology covered by a valid United States patent has been or will be used without a license from the owner. To ensure proper notification, if the non-Federal entity uses or has used patented technology under this award without a license or permission from the owner, the non-Federal entity must notify the Grants Officer.

This notice does not constitute authorization or consent by the Government to any copyright or patent infringement occurring under the award.

- d. A non-Federal entity may copyright any work produced under a Federal award, subject to the DOC's royalty-free, nonexclusive, and irrevocable right to obtain, reproduce, publish, or otherwise use the work, or authorize others to do so for Government purposes. Works jointly authored by DOC and non-Federal entity employees may be copyrighted, but only the part of such works authored by the non-Federal entity is protectable in the United States because, under 17 U.S.C. § 105, copyright protection is not available within the United States for any work of the United States Government. On occasion and as permitted under 17 U.S.C. § 105, DOC may require the non-Federal entity to transfer to DOC a copyright in a particular work for Government purposes or when DOC is undertaking primary dissemination of the work.
- e. Freedom of Information Act (FOIA). In response to a FOIA request for research data relating to published research findings (as defined by 2 C.F.R. § 200.315(e)(2)) produced under a Federal award that were used by the Federal government in developing an agency action that has the force and effect of law, the DOC will request, and the non-Federal entity must provide, within a reasonable time, the research data so that they can be made available to the public through the procedures established under the FOIA.

D. AUDITS

Under the Inspector General Act of 1978, as amended, 5 U.S.C. App. 3, §§ 1 *et seq.*, an audit of the award may be conducted at any time. The Inspector General of the DOC, or any of his or her duly authorized representatives, must have the right to access any pertinent books, documents, papers, and records of the non-Federal entity, whether written, printed, recorded, produced, or reproduced by any electronic, mechanical, magnetic, or other process or medium, to make audits, inspections, excerpts, transcripts, or other examinations as authorized by law. This right also includes timely and reasonable access to the non-Federal entity's personnel for interview and discussion related to such documents. *See* 2 C.F.R. § 200.337 (Access to records). When the DOC Office of Inspector General (OIG) requires a program audit on a DOC award, the OIG will usually make the arrangements to audit the award, whether the audit is performed by OIG personnel, an independent accountant under contract with DOC, or any other Federal, State, or local audit entity.

.01 Organization-Wide, Program-Specific, and Project Audits

- a. A recipient must, within 90 days of the end of its fiscal year, notify the Grants Officer of the amount of Federal awards, including all DOC and non-DOC awards, that the recipient expended during its fiscal year.
- b. Recipients that are subject to the provisions of Subpart F of 2 C.F.R. Part 200 and that expend \$750,000 or more in a year in Federal awards during their fiscal year must have an audit conducted for that year in accordance with the requirements contained in Subpart F of 2 C.F.R. Part 200. Within the earlier of 30 calendar days after receipt of the auditor's report(s), or nine months after the end of the audit period, unless a different period is specified in a program-specific audit guide, a copy of the audit must be submitted electronically to the Federal Audit Clearinghouse (FAC) through the FAC's Internet Data Entry System (IDES) (https://harvester.census.gov/facides/). In accordance with 2 C.F.R. § 200.425 (Audit services), the recipient may include a line item in the budget for the allowable costs associated with the audit, which is subject to the approval of the Grants Officer.
- c. Unless otherwise specified in the terms and conditions of the award, entities that are not subject to Subpart F of 2 C.F.R. Part 200 (e.g., for-profit entities, foreign public entities and foreign organizations) and that expend \$750,000 or more in DOC funds during their fiscal year (including both as a recipient and a subrecipient) must submit to the Grants Officer either: (i) a financial related audit of each DOC award or subaward in accordance with Generally Accepted Government Auditing Standards (GAGAS); or (ii) a project specific audit for each award or subaward in accordance with the requirements contained in 2 C.F.R. § 200.507. Within the earlier of 30 calendar days after receipt of the auditor's report(s), or nine months after the end of the audit period, unless a different period is specified in a program-specific audit guide, a copy of the audit must be submitted to the Grants Officer. In accordance with 2 C.F.R. § 200.425, the recipient may include a line item in the budget for the allowable costs associated with the audit, which is subject to the approval of the Grants Officer. Entities that are not subject to Subpart F of 2 C.F.R. Part 200 and that expend less than \$750,000 in DOC funds in a given fiscal year are

not required to submit an audit(s) for that year, but must make their award-related records available to DOC or other designated officials for review and audit.

- d. Recipients are responsible for compliance with the above audit requirements and for informing the Grants Officer of the status of their audit, including when the relevant audit has been completed and submitted in accordance with the requirements of this section. Failure to provide audit reports within the timeframes specified above may result in appropriate enforcement action, up to and including termination of the award, and may jeopardize eligibility for receiving future DOC awards.
- e. In accordance with 2 C.F.R. § 200.332(d)(3), pass-through entities are responsible for issuing a management decision for applicable audit findings pertaining only to the Federal award provided by the pass-through entity to a subrecipient.

.02 Audit Resolution Process

- a. An audit of the award may result in the disallowance of costs incurred by the recipient and the establishment of a debt (account receivable) due to DOC. For this reason, the recipient should take seriously its responsibility to respond to all audit findings and recommendations with adequate explanations and supporting evidence whenever audit results are disputed.
- b. A recipient whose award is audited has the following opportunities to dispute the proposed disallowance of costs and the establishment of a debt:
 - 1. The recipient has 30 calendar days from the date of the transmittal of the <u>draft audit</u> report to submit written comments and documentary evidence.
 - 2. The recipient has 30 calendar days from the date of the transmittal of the <u>final audit</u> report to submit written comments and documentary evidence.
 - 3. The DOC will review the documentary evidence submitted by the recipient and will notify the recipient of the results in an *Audit Resolution Determination Letter*. The recipient has 30 calendar days from the date of receipt of the *Audit Resolution Determination Letter* to submit a written appeal, unless this deadline is extended in writing by the DOC. The appeal is the last opportunity for the recipient to submit written comments and documentary evidence to the DOC to dispute the validity of the audit resolution determination.
 - 4. An appeal of the Audit Resolution Determination does not prevent the establishment of the audit-related debt nor does it prevent the accrual of applicable interest, penalties and administrative fees on the debt in accordance with 15 C.F.R. Part 19. If the Audit Resolution Determination is overruled or modified on appeal, appropriate corrective action will be taken retroactively.
 - 5. The DOC will review the recipient's appeal and notify the recipient of the results in an *Appeal Determination Letter*. After the opportunity to appeal has expired or after the appeal determination has been rendered, DOC will not accept any further documentary evidence from the recipient. No other administrative appeals are available in DOC.

E. DEBTS

.01 Payment of Debts Owed to the Federal Government

- a. The non-Federal entity must promptly pay any debts determined to be owed to the Federal Government. Any funds paid to a non-Federal entity in excess of the amount to which the non-Federal entity is finally determined to be entitled under the terms of the Federal award constitute a debt to the Federal government. In accordance with 2 C.F.R. § 200.346 (Collection of amounts due), if not paid within 90 calendar days after demand, DOC may reduce a debt owed to the Federal Government by:
 - 1. Making an administrative offset against other requests for reimbursement;
 - 2. Withholding advance payments otherwise due to the non-Federal entity; or
 - 3. Taking any other action permitted by Federal statute.

The foregoing does not waive any claim on a debt that DOC may have against another entity, and all rights and remedies to pursue other parties are preserved.

b. DOC debt collection procedures are set out in 15 C.F.R. Part 19. In accordance with 2 C.F.R. § 200.346 (Collection of amounts due) and 31 U.S.C. § 3717, failure to pay a debt owed to the Federal Government must result in the assessment of interest, penalties and administrative costs in accordance with the provisions of 31 U.S.C. § 3717 and 31 C.F.R. § 901.9. Commerce entities will transfer any Commerce debt that is delinquent for more than 120 calendar days to the U.S. Department of the Treasury's Financial Management Service for debt collection services, a process known as cross-servicing, pursuant to 31 U.S.C. § 3711(g), 31 C.F.R. § 285.12, and 15 C.F.R. § 19.9. DOC may also take further action as specified in DOC ST&C A.06 (Unsatisfactory Performance or Non-Compliance with Award Provisions). Funds for payment of a debt must not come from other Federally-sponsored programs, and the DOC may conduct on-site visits, audits, and other reviews to verify that other Federal funds have not been used to pay a debt.

.02 Late Payment Charges

- a. Interest will be assessed on the delinquent debt in accordance with section 11 of the Debt Collection Act of 1982, as amended (31 U.S.C. § 3717(a)). The minimum annual interest rate to be assessed is the U.S. Department of the Treasury's Current Value of Funds Rate (CVFR). The CVFR is available online at https://www.fiscal.treasury.gov/fsreports/rpt/cvfr/cvfr home.htm and also published by the Department of the Treasury in the *Federal Register* (http://www.gpo.gov/fdsys/browse/collection.action?collectionCode=FR) and in the *Treasury Financial Manual Bulletin*. The assessed rate must remain fixed for the duration of the indebtedness.
- b. Penalties will accrue at a rate of not more than six percent per year or such other higher rate as authorized by law.

c. Administrative charges, i.e., the costs of processing and handling a delinquent debt, will be determined by the Commerce entity collecting the debt, as directed by the Office of the Chief Financial Officer and Assistant Secretary for Administration.

.03 Barring Delinquent Federal Debtors from Obtaining Federal Loans or Loan Insurance Guarantees

Pursuant to 31 U.S.C. § 3720B and 31 C.F.R. § 901.6, unless waived by DOC, the DOC is not permitted to extend financial assistance in the form of a loan, loan guarantee, or loan insurance to any person delinquent on a nontax debt owed to a Federal agency. This prohibition does not apply to disaster loans.

.04 Effect of Judgment Lien on Eligibility for Federal Grants, Loans, or Programs

Pursuant to 28 U.S.C. § 3201(e), unless waived by the DOC, a debtor who has a judgment lien against the debtor's property for a debt to the United States is not eligible to receive any grant or loan that is made, insured, guaranteed, or financed directly or indirectly by the United States or to receive funds directly from the Federal Government in any program, except funds to which the debtor is entitled as beneficiary, until the judgment is paid in full or otherwise satisfied.

F. CONFLICT OF INTEREST, CODE OF CONDUCT AND OTHER REQUIREMENTS PERTAINING TO DOC FINANCIAL ASSISTANCE AWARDS, INCLUDING SUBAWARD AND PROCUREMENT ACTIONS

.01 Conflict of Interest and Code of Conduct

- a. DOC Conflict of Interest Policy. In accordance with 2 C.F.R. § 200.112 (Conflict of interest), the non-Federal entity must disclose in writing any potential conflict of interest to the DOC or pass-through entity. In addition, a non-Federal entity will establish and maintain written standards of conduct that include safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain in the administration of an award. It is the DOC's policy to maintain the highest standards of conduct and to prevent real or apparent conflicts of interest in connection with DOC financial assistance awards.
- b. A conflict of interest generally exists when an interested party participates in a matter that has a direct and predictable effect on the interested party's personal or financial interests. A financial interest may include employment, stock ownership, a creditor or debtor relationship, or prospective employment with the organization selected or to be selected for a subaward. A conflict also may exist where there is an appearance that an interested party's objectivity in performing his or her responsibilities under the project is impaired. For example, an appearance of impairment of objectivity may result from an organizational conflict where, because of other activities or relationships with other persons or entities, an interested party is unable to render

impartial assistance, services or advice to the recipient, a participant in the project or to the Federal Government. Additionally, a conflict of interest may result from non-financial gain to an interested party, such as benefit to reputation or prestige in a professional field. For purposes of the DOC Conflict of Interest Policy, an interested party includes, but is not necessarily limited to, any officer, employee or member of the board of directors or other governing board of a non-Federal entity, including any other parties that advise, approve, recommend, or otherwise participate in the business decisions of the recipient, such as agents, advisors, consultants, attorneys, accountants or shareholders. This also includes immediate family and other persons directly connected to the interested party by law or through a business arrangement.

c. Procurement-related conflict of interest. In accordance with 2 C.F.R. § 200.318 (General procurement standards), non-Federal entities must maintain written standards of conduct covering conflicts of interest and governing the performance of their employees engaged in the selection, award and administration of contracts. *See* paragraph F.04 of these Standard Terms (Requirements for Procurements).

.02 Nonprocurement Debarment and Suspension

Non-Federal entities must comply with the provisions of 2 C.F.R. Part 1326 (Nonprocurement Debarment and Suspension), which generally prohibit entities that have been debarred, suspended, or voluntarily excluded from participating in Federal nonprocurement transactions either through primary or lower tier covered transactions, and which set forth the responsibilities of recipients of Federal financial assistance regarding transactions with other persons, including subrecipients and contractors.

.03 Requirements for Subawards

- a. The recipient or pass-through entity must require all subrecipients, including lower tier subrecipients, to comply with the terms and conditions of a DOC financial assistance award, including applicable provisions of the OMB Uniform Guidance (2 C.F.R. Part 200), and all associated Terms and Conditions set forth herein. *See* 2 C.F.R. § 200.101(b)(2) (Applicability to different types of Federal awards), which describes the applicability of 2 C.F.R. Part 200 to various types of Federal awards and §§ 200.331-333 (Subrecipient monitoring and management).
- b. The recipient or pass through entity may have more restrictive policies for the RTC *waived* prior approvals (no-cost extensions, re-budgeting, etc.) for their subaward recipients. Such restrictive policies must be addressed in their subaward agreements and in accordance with §200.331.

.04 Requirements for Procurements

a. States. Pursuant to 2 C.F.R. § 200.317 (Procurements by states), when procuring property and services under this Federal award, a State must follow the same policies and procedures it uses for procurements from its non-Federal funds. The State must comply with 2 C.F.R. §§ 200.321 (Contracting with small and minority businesses, women's business enterprises, and labor surplus area firms), 200.322 (Domestic preferences for procurements), and

200.323 (Procurement of recovered materials), and ensure that every purchase order or other contract includes any clauses required by 2 C.F.R. § 200.327 (Contract provisions).

b. Other Non-Federal Entities. All other non-Federal entities, including subrecipients of a State, must follow the procurement standards in 2 C.F.R. §§ 200.318 (General procurement standards) through 200.327 (Contract provisions) which include the requirement that non-Federal entities maintain written standards of conduct covering conflicts of interest and governing the performance of their employees engaged in the selection, award, and administration of contracts. No employee, officer, or agent may participate in the selection, award, or administration of a contract supported by a Federal award if he or she has a real or apparent conflict of interest.

.05 Whistleblower Protections

This award is subject to the whistleblower protections afforded by 41 U.S.C. § 4712 (Enhancement of contractor protection from reprisal for disclosure of certain information), which generally provide that an employee or contractor (including subcontractors and personal services contractors) of a non-Federal entity may not be discharged, demoted, or otherwise discriminated against as a reprisal for disclosing to a person or body information that the employee reasonably believes is evidence of gross mismanagement of a Federal award, subaward, or a contract under a Federal award or subaward, a gross waste of Federal funds, an abuse of authority relating to a Federal award or subaward or contract under a Federal award or subaward, a substantial and specific danger to public health or safety, or a violation of law, rule, or regulation related to a Federal award, subaward, or contract under a Federal award or subaward. These persons or bodies include:

- a. A Member of Congress or a representative of a committee of Congress.
- b. An Inspector General.
- c. The Government Accountability Office.
- d. A Federal employee responsible for contract or grant oversight or management at the relevant agency.
- e. An authorized official of the Department of Justice or other law enforcement agency.
- f. A court or grand jury.
- g. A management official or other employee of the contractor, subcontractor, or grantee who has the responsibility to investigate, discover, or address misconduct.

Non-Federal entities and contractors under Federal awards and subawards must inform their employees in writing of the rights and remedies provided under 41 U.S.C. § 4712, in the predominant native language of the workforce.

.06 Small Businesses, Minority Business Enterprises and Women's Business Enterprises

In accordance with 2 C.F.R. § 200.321 (Contracting with small and minority businesses, women's business enterprises, and labor surplus area firms), the recipient must take all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible. DOC encourages non-Federal entities to use small

businesses, minority business enterprises and women's business enterprises in contracts under financial assistance awards. The Minority Business Development Agency within the DOC will assist non-Federal entities in matching qualified minority business enterprises with contract opportunities. For further information visit MBDA's website at http://www.mbda.gov. If you do not have access to the Internet, you may contact MBDA via telephone or mail:

U.S. Department of Commerce Minority Business Development Agency Herbert C. Hoover Building 14th Street and Constitution Avenue, N.W. Washington, D.C. 20230 (202) 482-0101

G. NATIONAL POLICY REQUIREMENTS

.01 United States Laws and Regulations

This award is subject to the laws and regulations of the United States. The recipient must comply with all applicable requirements of all other Federal laws, executive orders, regulations and policies governing this program.

.02 Non-Discrimination Requirements

No person in the United States may, on the ground of race, color, national origin, handicap, age, religion, or sex, be excluded from participation in, be denied the benefits of, or be subject to discrimination under, any program or activity receiving Federal financial assistance. The recipient agrees to comply with the non-discrimination requirements below:

a. Statutory Provisions

- 1. Title VI of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d *et seq.*) and DOC implementing regulations published at 15 C.F.R. Part 8 prohibiting discrimination on the grounds of race, color, or national origin under programs or activities receiving Federal financial assistance:
- 2. Title IX of the Education Amendments of 1972 (20 U.S.C. §§ 1681 *et seq.*) prohibiting discrimination on the basis of sex under Federally assisted education programs or activities;
- 3. The Americans with Disabilities Act of 1990 (42 U.S.C. §§ 12101 *et seq.*) prohibiting discrimination on the basis of disability under programs, activities, and services provided or made available by State and local governments or instrumentalities or agencies thereto, as well as public or private entities that provide public transportation;
- 4. Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. § 794), and DOC implementing regulations published at 15 C.F.R. Part 8b prohibiting discrimination on the

basis of handicap under any program or activity receiving or benefiting from Federal assistance.

For purposes of complying with the accessibility standards set forth in 15 C.F.R. § 8b.18(c), non-federal entities must adhere to the regulations, published by the U.S. Department of Justice, implementing Title II of the Americans with Disabilities Act (ADA) (28 C.F.R. part 35; 75 FR 56164, as amended by 76 FR 13285) and Title III of the ADA (28 C.F.R. part 36; 75 FR 56164, as amended by 76 FR 13286). The revised regulations adopted new enforceable accessibility standards called the "2010 ADA Standards for Accessible Design" (2010 Standards), which replace and supersede the former Uniform Federal Accessibility Standards for new construction and alteration projects;

- 5. The Age Discrimination Act of 1975, as amended (42 U.S.C. §§ 6101 *et seq.*), and DOC implementing regulations published at 15 C.F.R. Part 20 prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance; and
- 6. Any other applicable non-discrimination law(s).

b. Other Provisions

- 1. Parts II and III of E.O. 11246 (Equal Employment Opportunity, 30 FR 12319),³ which requires Federally assisted construction contracts to include the nondiscrimination provisions of §§ 202 and 203 of E.O. 11246 and Department of Labor regulations implementing E.O. 11246 (41 C.F.R. § 60-1.4(b)).
- 2. E.O. 13166 (65 FR 50121, Improving Access to Services for Persons with Limited English Proficiency), requiring Federal agencies to examine the services provided, identify any need for services to those with limited English proficiency (LEP), and develop and implement a system to provide those services so LEP persons can have meaningful access to them. The DOC issued policy guidance on March 24, 2003 (68 FR 14180) to articulate the Title VI prohibition against national origin discrimination affecting LEP persons and to help ensure that non-Federal entities provide meaningful access to their LEP applicants and beneficiaries.
- 3. In accordance with E.O 13798 and Office of Management and Budget, M-20-09 Guidance Regarding Federal Grants, states or other public grantees may not condition subawards of Federal grant money in a manner that would disadvantage grant applicants based on their religious character.

³ As amended by E.O. 11375(32 FR 14303), E.O. 11478 (34 FR 12985), E.O. 12086 (43 FR 46501), E.O. 12107 (44 FR 1055), E.O. 13279 (F67 FR 77141), E.O. 13665 (79 FR 20749), and E.O. 13672 (79 FR 42971).

c. Title VII Exemption for Religious Organizations

Generally, Title VII of the Civil Rights Act of 1964, 42 U.S.C. §§ 2000e *et seq.*, provides that it is an unlawful employment practice for an employer to discharge any individual or otherwise to discriminate against an individual with respect to compensation, terms, conditions, or privileges of employment because of such individual's race, color, religion, sex, or national origin. However, Title VII, 42 U.S.C. § 2000e-1(a), expressly exempts from the prohibition against discrimination based on religion, "a religious corporation, association, educational institution, or society with respect to the employment of individuals of a particular religion to perform work connected with the carrying on by such corporation, association, educational institution, or society of its activities."

.03 LOBBYING RESTRICTIONS

a. Statutory Provisions

Non-Federal entities must comply with 2 C.F.R. § 200.450 (Lobbying), which incorporates the provisions of 31 U.S.C. § 1352; and OMB guidance and notices on lobbying restrictions. In addition, non-Federal entities must comply with the DOC regulations published at 15 C.F.R. Part 28, which implement the New Restrictions on Lobbying. These provisions prohibit the use of Federal funds for lobbying the executive or legislative branches of the Federal Government in connection with the award and require the disclosure of the use of non-Federal funds for lobbying. Lobbying includes attempting to improperly influence, meaning any influence that induces or tends to induce a Federal employee or officer to give consideration or to act regarding a Federal award or regulatory matter on any basis other than the merits of the matter, either directly or indirectly. Costs incurred to improperly influence are unallowable. *See* 2 C.F.R. § 200.450(b) and (c).

b. Disclosure of Lobbying Activities

Any recipient that receives more than \$100,000 in Federal funding and conducts lobbying with non-federal funds relating to a covered Federal action must submit a completed Form SF-LLL (Disclosure of Lobbying Activities). The Form SF-LLL must be submitted within 30 calendar days following the end of the calendar quarter in which there occurs any event that requires disclosure or that materially affects the accuracy of the information contained in any disclosure form previously filed. The recipient must submit any required SF-LLL forms, including those received from subrecipients, contractors, and subcontractors, to the Grants Officer.

.04 Environmental Requirements

Environmental impacts must be considered by Federal decision makers in their decisions whether or not to approve: (1) a proposal for Federal assistance; (2) the proposal with mitigation; or (3) a different proposal having less adverse environmental impacts. Federal environmental laws require that the funding agency initiate an early planning process that considers potential impacts that projects funded with Federal assistance may have on the environment. Each non-Federal entity must comply with all environmental standards, to include those prescribed under

the following statutes and E.O.s and must identify to the awarding agency any impact the award may have on the environment. In some cases, award funds can be withheld by the Grants Officer under a specific award condition requiring the non-Federal entity to submit additional environmental compliance information sufficient to enable the DOC to make an assessment on any impacts that a project may have on the environment.

a. The National Environmental Policy Act (42 U.S.C. §§ 4321 et seq.)

The National Environmental Policy Act (NEPA) and the Council on Environmental Quality (CEQ) implementing regulations (40 C.F.R. Parts 1500 through 1508) require that an environmental analysis be completed for all major Federal actions to determine whether they have significant impacts on the environment. NEPA applies to the actions of Federal agencies and may include a Federal agency's decision to fund non-Federal projects under grants and cooperative agreements when the award activities remain subject to Federal authority and control. Non-Federal entities are required to identify to the awarding agency any direct, indirect or cumulative impact an award will have on the quality of the human environment and assist the agency in complying with NEPA. Non-Federal entities may also be requested to assist DOC in drafting an environmental assessment or environmental impact statement if DOC determines such documentation is required, but DOC remains responsible for the sufficiency and approval of the final documentation. Until the appropriate NEPA documentation is complete and in the event that any additional information is required during the period of performance to assess project environmental impacts, funds can be withheld by the Grants Officer under a specific award condition requiring the non-Federal entity to submit the appropriate environmental information and NEPA documentation sufficient to enable DOC to make an assessment on any impacts that a project may have on the environment.

b. The National Historic Preservation Act (16 U.S.C. §§ 470 et seq.)

Section 106 of the National Historic Preservation Act (NHPA) (16 U.S.C. § 470f) and the Advisory Council on Historic Preservation (ACHP) implementing regulations (36 C.F.R. Part 800) require that Federal agencies take into account the effects of their undertakings on historic properties and, when appropriate, provide the ACHP with a reasonable opportunity to comment. Historic properties include but are not necessarily limited to districts, buildings, structures, sites and objects. In this connection, archeological resources and sites that may be of traditional religious and cultural importance to Federally-recognized Indian Tribes. Alaskan Native Villages and Native Hawaiian Organizations may be considered historic properties. Non-Federal entities are required to identify to the awarding agency any effects the award may have on properties included on or eligible for inclusion on the National Register of Historic Places. Non-Federal entities may also be requested to assist DOC in consulting with State or Tribal Historic Preservation Officers, ACHPs or other applicable interested parties necessary to identify, assess, and resolve adverse effects to historic properties. Until such time as the appropriate NHPA consultations and documentation are complete and in the event that any additional information is required during the period of performance in order to assess project impacts on historic properties, funds can be withheld by the Grants Officer under a specific award condition requiring the non-Federal entity to

submit any information sufficient to enable DOC to make the requisite assessment under the NHPA.

Additionally, non-Federal entities are required to assist the DOC in assuring compliance with the Archeological and Historic Preservation Act of 1974 (54 U.S.C. § 312502 et seq., formerly 16 U.S.C. § 469a-1 et seq.); Executive Order 11593 (Protection and Enhancement of the Cultural Environment, May 13, 1971); Executive Order 13006 (Locating Federal Facilities on Historic Properties in Our Nation's Central Cities, May 21, 1996); and Executive Order 13007 (Indian Sacred Sites, May 24, 1996).

c. Executive Order 11988 (Floodplain Management) and Executive Order 11990 (Protection of Wetlands)

Non-Federal entities must identify proposed actions in Federally defined floodplains and wetlands to enable DOC to decide whether there is an alternative to minimize any potential harm.

d. Clean Air Act (42 U.S.C. §§ 7401 *et seq.*), Federal Water Pollution Control Act (33 U.S.C. §§ 1251 *et seq.*) (Clean Water Act), and Executive Order 11738 ("Providing for administration of the Clean Air Act and the Federal Water Pollution Control Act with respect to Federal contracts, grants or loans")

Non-Federal entities must comply with the provisions of the Clean Air Act (42 U.S.C. §§ 7401 *et seq.*), Clean Water Act (33 U.S.C. §§ 1251 *et seq.*), and E.O. 11738 (38 FR 25161), and must not use a facility on the Excluded Parties List (EPL) (located on the System for Award Management (SAM) website, SAM.gov) in performing any award that is nonexempt under 2 C.F.R. § 1532, and must notify the Program Officer in writing if it intends to use a facility that is on the EPL or knows that the facility has been recommended to be placed on the EPL.

e. The Flood Disaster Protection Act (42 U.S.C. §§ 4002 et seq.)

Flood insurance, when available, is required for Federally assisted construction or acquisition in flood-prone areas. Per 2 C.F.R. § 200.447(a), the cost of required flood insurance is an allowable expense, if it is reflected in the approved project budget.

f. The Endangered Species Act (16 U.S.C. §§ 1531 et seq.)

Non-Federal entities must identify any impact or activities that may involve a threatened or endangered species. Federal agencies have the responsibility to ensure that no adverse effects to a protected species or habitat occur from actions under Federal assistance awards and conduct the reviews required under the Endangered Species Act, as applicable.

g. The Coastal Zone Management Act (16 U.S.C. §§ 1451 et seq.)

Funded projects must be consistent with a coastal State's approved management program for the coastal zone.

h. The Coastal Barriers Resources Act (16 U.S.C. §§ 3501 et seq.)

Only in certain circumstances can Federal funding be provided for actions within a Coastal Barrier System.

i. The Wild and Scenic Rivers Act (16 U.S.C. §§ 1271 et seq.)

This Act applies to awards that may affect existing or proposed components of the National Wild and Scenic Rivers system.

j. The Safe Drinking Water Act of 1974, as amended, (42 U.S.C. §§ 300f et seq.)

This Act precludes Federal assistance for any project that the EPA determines may contaminate a sole source aquifer which threatens public health.

k. The Resource Conservation and Recovery Act (42 U.S.C. §§ 6901 et seq.)

This Act regulates the generation, transportation, treatment, and disposal of hazardous wastes, and provides that non-Federal entities give preference in their procurement programs to the purchase of recycled products pursuant to EPA guidelines.

l. The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA, commonly known as Superfund) (42 U.S.C. §§ 9601 et seq.) and the Community Environmental Response Facilitation Act (42 U.S.C. § 9601 note et seq.)

These requirements address responsibilities related to hazardous substance releases, threatened releases and environmental cleanup. There are also reporting and community involvement requirements designed to ensure disclosure of the release or disposal of regulated substances and cleanup of hazards to state and local emergency responders.

m. Executive Order 12898 ("Federal Actions to Address Environmental Justice in Minority Populations and Low Income Populations")

Federal agencies are required to identify and address the disproportionately high and adverse human health or environmental effects of Federal programs, policies, and activities on low income and minority populations.

n. The Magnuson-Stevens Fishery Conservation and Management Act (16 U.S.C. § 1801 et seq.)

Non-Federal entities must identify to DOC any effects the award may have on essential fish habitat (EFH). Federal agencies which fund, permit, or carry out activities that may adversely impact EFH are required to consult with the National Marine Fisheries Service (NMFS) regarding the potential effects of their actions and respond in writing to NMFS recommendations. These recommendations may include measures to avoid, minimize, mitigate, or otherwise offset adverse effects on EFH. In addition, NMFS is required to comment on any state agency activities that would impact EFH. Provided the specifications outlined in the regulations are met, EFH consultations will be incorporated into interagency

procedures previously established under NEPA, the ESA, Clean Water Act, Fish and Wildlife Coordination Act, or other applicable statutes.

o. Clean Water Act (CWA) Section 404 (33 U.S.C. § 1344)

CWA Section 404 regulates the discharge of dredged or fill material into waters of the United States, including wetlands. Activities in waters of the United States regulated under this program include fill for development, water resource projects (such as levees and some coastal restoration activities), and infrastructure development (such as highways and airports). CWA Section 404 requires a permit from the U.S. Army Corps of Engineers before dredged or fill material may be discharged into waters of the United States, unless the activity is exempt from Section 404 regulation (e.g., certain farming and forestry activities).

p. Rivers and Harbors Act (33 U.S.C. § 407)

A permit may be required from the U.S. Army Corps of Engineers if the proposed activity involves any work in, over or under navigable waters of the United States. Recipients must identify any work (including structures) that will occur in, over or under navigable waters of the United States and obtain the appropriate permit, if applicable.

q. The Migratory Bird Treaty Act (16 U.S.C. §§ 703-712), Bald and Golden Eagle Protection Act (16 U.S.C. § 668 et seq.), and Executive Order 13186 (Responsibilities of Federal Agencies to Protect Migratory Birds, January 10, 2001)

Many prohibitions and limitations apply to projects that adversely impact migratory birds and bald and golden eagles. Executive Order 13186 directs Federal agencies to enter a Memorandum of Understanding with the U.S. Fish and Wildlife Service to promote conservation of migratory bird populations when a Federal action will have a measurable negative impact on migratory birds.

r. Executive Order 13112 (Invasive Species, February 3, 1999)

Federal agencies must identify actions that may affect the status of invasive species and use relevant programs and authorities to: (i) prevent the introduction of invasive species; (ii) detect and respond rapidly to and control populations of such species in a cost-effective and environmentally sound manner; (iii) monitor invasive species populations accurately and reliably; (iv) provide for restoration of native species and habitat conditions in ecosystems that have been invaded; (v) conduct research on invasive species and develop technologies to prevent introduction and provide for environmentally sound control of invasive species; and (vi) promote public education on invasive species and the means to address them. In addition, an agency may not authorize, fund, or carry out actions that it believes are likely to cause or promote the introduction or spread of invasive species in the United States or elsewhere.

s. Fish and Wildlife Coordination Act (16 U.S.C. § 661 et seq.)

During the planning of water resource development projects, agencies are required to give fish and wildlife resources equal consideration with other values. Additionally, the U.S.

Fish and Wildlife Service and fish and wildlife agencies of states must be consulted whenever waters of any stream or other body of water are "proposed or authorized, permitted or licensed to be impounded, diverted... or otherwise controlled or modified" by any agency under a Federal permit or license.

.05 OTHER NATIONAL POLICY REQUIREMENTS

a. Buy-American Preferences

Strengthening Buy-American Preferences for Infrastructure Projects. Recipients of covered programs (as defined in Executive Order 13858, 31 January 2019, and 2 C.F.R. §200.322 (Domestic preferences for procurements)) are hereby notified that they are encouraged to use, to the greatest extent practicable, iron and aluminum as well as steel, cement, and other manufactured products produced in the United States in every contract, subcontract, purchase order, or subaward that is chargeable under this Award.

b. Criminal and Prohibited Activities

- 1. The Program Fraud Civil Remedies Act (31 U.S.C. § 3801 *et seq.*), provides for the imposition of civil penalties against persons who make false, fictitious, or fraudulent claims to the Federal Government for money (including money representing grants, loans, or other benefits).
- 2. The False Claims Amendments Act of 1986 and the False Statements Accountability Act of 1996 (18 U.S.C. §§ 287 and 1001, respectively), provide that whoever makes or presents any false, fictitious, or fraudulent statement, representation, or claim against the United States must be subject to imprisonment of not more than five years and must be subject to a fine in the amount provided by 18 U.S.C. § 287.
- 3. The Civil False Claims Act (31 U.S.C. §§ 3729 3733), provides that suits can be brought by the government, or a person on behalf of the government, for false claims made under Federal assistance programs.
- 4. The Copeland Anti-Kickback Act (18 U.S.C. § 874), prohibits a person or organization engaged in a Federally supported project from enticing an employee working on the project from giving up a part of his compensation under an employment contract. The Copeland Anti-Kickback Act also applies to contractors and subcontractors pursuant to 40 U.S.C. § 3145.
- 5. The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (42 U.S.C. § 4601 et seq.) and implementing regulations issued at 15 C.F.R. Part 11, which provides for fair and equitable treatment of displaced persons or persons whose property is acquired as a result of Federal or Federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.

- 6. The Hatch Act (5 U.S.C. §§ 1501-1508 and 7321-7326), which limits the political activities of employees or officers of state or local governments whose principal employment activities are funded in whole or in part with Federal funds.
- 7. To ensure compliance with Federal law pertaining to financial assistance awards, an authorized representative of a non-Federal entity may be required to periodically provide certain certifications to the DOC regarding Federal felony and Federal criminal tax convictions, unpaid federal tax assessments, delinquent Federal tax returns and such other certifications that may be required by Federal law.

c. Drug-Free Workplace

The non-Federal entity must comply with the provisions of the Drug-Free Workplace Act of 1988 (41 U.S.C. § 8102) and DOC implementing regulations published at 2 C.F.R. Part 1329 (Requirements for Drug-Free Workplace (Financial Assistance)), which require that the non-Federal entity take certain actions to provide a drug-free workplace.

d. Foreign Travel

- 1. Each non-Federal entity must comply with the provisions of the Fly America Act (49 U.S.C. § 40118). The implementing regulations of the Fly America Act are found at 41 C.F.R. §§ 301-10.131 through 301-10.143.
- 2. The Fly America Act requires that Federal travelers and others performing U.S. Government-financed air travel must use U.S. flag air carriers, to the extent that service by such carriers is available. Foreign air carriers may be used only in specific instances, such as when a U.S. flag air carrier is unavailable or use of U.S. flag air carrier service will not accomplish the agency's mission.
- 3. One exception to the requirement to fly U.S. flag carriers is transportation provided under a bilateral or multilateral air transport agreement, to which the United States Government and the government of a foreign country are parties, and which the Department of Transportation has determined meets the requirements of the Fly America Act pursuant to 49 U.S.C. § 40118(b). The United States Government has entered into bilateral/multilateral "Open Skies Agreements" (U.S. Government Procured Transportation) that allow federal funded transportation services for travel and cargo movements to use foreign air carriers under certain circumstances. There are multiple "Open Skies Agreements" currently in effect. For more information about the current bilateral and multilateral agreements, visit the GSA website. Information on the Open Skies agreements (U.S. Government Procured Transportation) and other specific country agreements may be accessed via the Department of State's website.
- 4. If a foreign air carrier is anticipated to be used for any portion of travel under a DOC financial assistance award, the non-Federal entity must receive prior approval from the Grants Officer. When requesting such approval, the non-Federal entity must provide a justification in accordance with guidance provided by 41 C.F.R. § 301-10.142, which requires the non-Federal entity to provide the Grants Officer with the following: name; dates

of travel; origin and destination of travel; detailed itinerary of travel; name of the air carrier and flight number for each leg of the trip; and a statement explaining why the non-Federal entity meets one of the exceptions to the regulations. If the use of a foreign air carrier is pursuant to a bilateral agreement, the non-Federal entity must provide the Grants Officer with a copy of the agreement or a citation to the official agreement available on the GSA website. The Grants Officer must make the final determination and notify the non-Federal entity in writing (which may be done through the recipient in the case of subrecipient travel). Failure to adhere to the provisions of the Fly America Act will result in the non-Federal entity not being reimbursed for any transportation costs for which any non-Federal entity improperly used a foreign air carrier.

Note: When using code-sharing flights (two or more airlines having flight numbers assigned to the same flight) involving U.S. flag carriers and non-U.S. flag carriers, the airline symbol and flight number of the U.S. flag carrier must be used on the ticket to qualify as a U.S. flag carrier (e.g. "Delta Airlines Flight XXXX, operated by KLM"). Conversely, if the ticket shows "[Foreign Air Carrier] XXX, operated by Delta," that travel is using a foreign air carrier and is subject to the Fly America Act and must receive prior approval from the Grants Officer as outlined in paragraph G.05.d.4.

e. Increasing Seat Belt Use in the United States

Pursuant to E.O. 13043 (62 FR 19217), non-Federal entities should encourage employees and contractors to enforce on-the-job seat belt policies and programs when operating company-owned, rented, or personally owned vehicles.

f. Federal Employee Expenses and Subawards or Contracts Issued to Federal Employees or Agencies

- 1. Use of award funds (Federal or non-Federal) or the non-Federal entity's provision of inkind goods or services for the purposes of transportation, travel, or any other expenses for any Federal employee may raise appropriation augmentation issues. In addition, DOC policy may prohibit the acceptance of gifts, including travel payments for federal employees, from non-Federal entities regardless of the source. Therefore, before award funds may be used by Federal employees, non-Federal entities must submit requests for approval of such action to the Federal Program Officer who must review and make a recommendation to the Grants Officer. The Grants Officer will notify the non-Federal entity in writing (generally through the recipient) of the final determination.
- 2. A non-Federal entity or its contractor may not issue a subaward, contract or subcontract of any part of a DOC award to any agency or employee of DOC or to other Federal employee, department, agency, or instrumentality, without the advance prior written approval of the DOC Grants Officer.

g. Minority Serving Institutions Initiative

Pursuant to E.O.s 13555 (White House Initiative on Educational Excellence for Hispanics) (75 FR 65417), 13592 (Improving American Indian and Alaska Native

Educational Opportunities and Strengthening Tribal Colleges and Universities) (76 FR 76603), and 13779 (White House Initiative to Promote Excellence and Innovation at Historically Black Colleges and Universities) (82 FR 12499), DOC is strongly committed to broadening the participation of minority serving institutions (MSIs) in its financial assistance programs. DOC's goals include achieving full participation of MSIs to advance the development of human potential, strengthen the Nation's capacity to provide high-quality education, and increase opportunities for MSIs to participate in and benefit from Federal financial assistance programs. DOC encourages all applicants and non-Federal entities to include meaningful participation of MSIs. Institutions eligible to be considered MSIs are listed on the Department of Education website.

h. Research Misconduct

The DOC adopts, and applies to financial assistance awards for research, the Federal Policy on Research Misconduct (Federal Policy) issued by the Executive Office of the President's Office of Science and Technology Policy on December 6, 2000 (65 FR 76260). As provided for in the Federal Policy, research misconduct refers to the fabrication, falsification, or plagiarism in proposing, performing, or reviewing research, or in reporting research results. Research misconduct does not include honest errors or differences of opinion. Non-Federal entities that conduct extramural research funded by DOC must foster an atmosphere conducive to the responsible conduct of sponsored research by safeguarding against and resolving allegations of research misconduct. Non-Federal entities also have the primary responsibility to prevent, detect, and investigate allegations of research misconduct and, for this purpose, may rely on their internal policies and procedures, as appropriate, to do so. Non-Federal entities must notify the Grants Officer of any allegation that meets the definition of research misconduct and detail the entity's inquiry to determine whether there is sufficient evidence to proceed with an investigation, as well as the results of any investigation. The DOC may take appropriate administrative or enforcement action at any time under the award, up to and including award termination and possible suspension or debarment, and referral to the Commerce OIG, the U.S. Department of Justice, or other appropriate investigative body.

i. Research Involving Human Subjects

- 1. All proposed research involving human subjects must be conducted in accordance with 15 C.F.R. Part 27 (Protection of Human Subjects). No research involving human subjects is permitted under this award unless expressly authorized by specific award condition, or otherwise in writing by the Grants Officer.
- 2. Federal policy defines a human subject as a living individual about whom an investigator (whether professional or student) conducting research (1) Obtains information or biospecimens through intervention or interaction with the individual, and uses, studies, or analyzes the information or biospecimens; or (2) Obtains, uses, studies, analyzes, or generates identifiable private information or identifiable biospecimens. Research means a systematic investigation, including research development, testing and evaluation, designed to develop or contribute to generalizable knowledge.

- 3. DOC regulations at 15 C.F.R. Part 27 require that non-Federal entities maintain appropriate policies and procedures for the protection of human subjects. In the event it becomes evident that human subjects may be involved in this project, the non-Federal entity (generally through the recipient) must submit appropriate documentation to the Federal Program Officer for approval by the appropriate DOC officials. As applicable, this documentation must include:
 - i. Documentation establishing approval of an activity in the project by an Institutional Review Board (IRB) under a Federal wide Assurance issued by Department of Health and Human Services or other Federal agency guidelines (*see also* 15 C.F.R. § 27.103);
 - ii. Documentation to support an exemption for an activity in the project under 15 C.F.R. § 27.104(d);
 - iii. Documentation of IRB approval of any modification to a prior approved protocol or to an informed consent form:
 - iv. Documentation of an IRB approval of continuing review approved prior to the expiration date of the previous IRB determination; and
 - v. Documentation of any reportable events, such as serious adverse events, unanticipated problems resulting in risk to subjects or others, and instances of noncompliance.
- 4. No work involving human subjects may be undertaken, conducted, or costs incurred and/or charged for human subjects research, until the appropriate documentation is approved in writing by the Grants Officer. In accordance with 15 C.F.R. § 27.118, if research involving human subjects is proposed after an award is made, the non-Federal entity must contact the Federal Program Officer and provide required documentation. Notwithstanding this prohibition, work may be initiated or costs incurred and/or charged to the project for protocol or instrument development related to human subjects research.

j. Care and Use of Live Vertebrate Animals

Non-Federal entities must comply with the Laboratory Animal Welfare Act of 1966, as amended, (Pub. L. No. 89-544, 7 U.S.C. §§ 2131 *et seq.*) (animal acquisition, transport, care, handling, and use in projects), and implementing regulations (9 C.F.R. Parts 1, 2, and 3); the Endangered Species Act (16 U.S.C. §§ 1531 *et seq.*); Marine Mammal Protection Act (16 U.S.C. §§ 1361 *et seq.*) (taking possession, transport, purchase, sale, export or import of wildlife and plants); the Nonindigenous Aquatic Nuisance Prevention and Control Act (16 U.S.C. §§ 4701 *et seq.*) (ensure preventive measures are taken or that probable harm of using species is minimal if there is an escape or release); and all other applicable statutes pertaining to the care, handling, and treatment of warm-blooded animals held for research, teaching, or other activities supported by Federal financial assistance. No research involving vertebrate animals is permitted under any DOC financial assistance award unless authorized by the Grants Officer.

k. Management and Access to Data and Publications

- 1. In General. The recipient acknowledges and understands that information and data contained in applications for financial assistance, as well as information and data contained in financial, performance and other reports submitted by recipients, may be used by the DOC in conducting reviews and evaluations of its financial assistance programs. For this purpose, recipient information and data may be accessed, reviewed and evaluated by DOC employees, other Federal employees, Federal agents and contractors, and/or by non-Federal personnel, all of who enter into appropriate or are otherwise subject to confidentiality and nondisclosure agreements covering the use of such information. Recipients are expected to support program reviews and evaluations by submitting required financial and performance information and data in an accurate and timely manner, and by cooperating with DOC and external program evaluators. In accordance with 2 C.F.R. § 200.303(e), recipients are reminded that they must take reasonable measures to safeguard protected personally identifiable information and other confidential or sensitive personal or business information created or obtained relating to a DOC financial assistance award.
- 2. Scientific Data. Non-Federal entities must comply with the data management and access to data requirements established by the DOC funding agency as set forth in the applicable Notice of Funding Opportunity and/or in Specific Award Conditions.
- 3. Publications, Videos, and Acknowledgment of Sponsorship.
 - i. Publication of results or findings in appropriate professional journals and production of video or other media is encouraged as an important method of recording, reporting and otherwise disseminating information and expanding public access to federally-funded projects (*e.g.*, scientific research). Non-Federal entities must comply with the data management and access to data requirements established by the DOC funding agency as set forth in the applicable Notice of Funding Opportunity and/or in Specific Award Conditions.
 - ii. Non-Federal entities may be required to submit a copy of any publication materials, including but not limited to print, recorded, or Internet materials, to the funding agency.
 - iii. When releasing information related to a funded project, non-Federal entities must include a statement that the project or effort undertaken was or is sponsored by DOC and must also include the applicable financial assistance award number.
 - iv. Non-Federal entities are responsible for assuring that every publication of material based on, developed under, or otherwise produced pursuant to a DOC financial assistance award contains the following disclaimer or other disclaimer approved by the Grants Officer:

This [report/video/etc.] was prepared by [recipient name] using Federal funds under award [number] from [name of operating unit], U.S. Department of Commerce. The statements, findings, conclusions, and recommendations are those of the author(s) and do

not necessarily reflect the views of the [name of operating unit] or the U.S. Department of Commerce.

l. Homeland Security Presidential Directive

If the performance of this DOC financial assistance award requires non-Federal entity personnel to have routine access to Federally-controlled facilities and/or Federally-controlled information systems (for purpose of this term "routine access" is defined as more than 180 calendar days), such personnel must undergo the personal identity verification credential process. In the case of foreign nationals, the DOC will conduct a check with U.S. Citizenship and Immigration Services' (USCIS) Verification Division, a component of the Department of Homeland Security (DHS), to ensure the individual is in a lawful immigration status and that he or she is eligible for employment within the United States. Any items or services delivered under a financial assistance award must comply with DOC personal identity verification procedures that implement Homeland Security Presidential Directive 12 (Policy for a Common Identification Standard for Federal Employees and Contractors), Federal Information Processing Standard (FIPS) PUB 201, and OMB Memorandum M-05-24. The recipient must ensure that its subrecipients and contractors (at all tiers) performing work under this award comply with the requirements contained in this term. The Grants Officer may delay final payment under an award if the subrecipient or contractor fails to comply with the requirements listed in the term below. The recipient must insert the following term in all subawards and contracts when the subaward recipient or contractor is required to have routine physical access to a Federally-controlled facility or routine access to a Federally-controlled information system:

The subrecipient or contractor must comply with DOC personal identity verification procedures identified in the subaward or contract that implement Homeland Security Presidential Directive 12 (HSPD-12), Office of Management and Budget (OMB) Guidance M-05-24, as amended, and Federal Information Processing Standards Publication (FIPS PUB) Number 201, as amended, for all employees under this subaward or contract who require routine physical access to a Federally-controlled facility or routine access to a Federally-controlled information system.

The subrecipient or contractor must account for all forms of Government-provided identification issued to the subrecipient or contractor employees in connection with performance under this subaward or contract. The subrecipient or contractor must return such identification to the issuing agency at the earliest of any of the following, unless otherwise determined by DOC: (1) When no longer needed for subaward or contract performance; (2) Upon completion of the subrecipient or contractor employee's employment; (3) Upon subaward or contract completion or termination.

m. Compliance with Department of Commerce Bureau of Industry and Security Export Administration Regulations

1. This clause applies to the extent that this financial assistance award encompasses activities that involve export-controlled items.

2. In performing this financial assistance award, a non-Federal entity may participate in activities involving items subject to export control (export-controlled items) under the Export Administration Regulations (EAR). The non-Federal entity is responsible for compliance with all applicable laws and regulations regarding export-controlled items, including the EAR's deemed exports and re-exports provisions. The non-Federal entity must establish and maintain effective export compliance procedures at DOC and non-DOC facilities, including facilities located abroad, throughout performance of the financial assistance award. At a minimum, these export compliance procedures must include adequate restrictions on export-controlled items, to guard against any unauthorized exports, including in the form of releases or transfers to foreign nationals. Such releases or transfers may occur through visual inspection, including technology transmitted electronically, and oral or written communications.

3. Definitions

- i. Export-controlled items. Items (commodities, software, or technology), that are subject to the EAR (15 C.F.R. §§ 730-774), implemented by the DOC's Bureau of Industry and Security. These are generally known as "dual-use" items, items with a military and commercial application. The export (shipment, transmission, or release/transfer) of export-controlled items may require a license from DOC.
- ii. Deemed Export/Re-export. The EAR defines a deemed export as a release or transfer of export-controlled items (specifically, technology or source code) to a foreign person (foreign national) in the U.S. Such release is "deemed" to be an export to the foreign person's most recent country of citizenship or permanent residency (*see* 15 C.F.R. § 734.13(a)(2) & (b)). A release may take the form of visual inspection or oral or written exchange of information. See 15 C.F.R. § 734.15(a). If such a release or transfer is made abroad to a foreign person of a country other than the country where the release occurs, it is considered a deemed re-export to the foreign person's most recent country of citizenship or permanent residency. See 15 C.F.R. § 734.14(a)(2). Licenses from DOC may be required for deemed exports or re-exports. An act causing the release of export-controlled items to a foreign person (e.g., providing or using an access key or code) may require authorization from DOC to the same extent that an export or re-export of such items to the foreign person would. See 15 C.F.R. § 734.15(b).
- 4. The non-Federal entity must secure all export-controlled items that it possesses or that comes into its possession in performance of this financial assistance award, to ensure that the export of such items, including in the form of release or transfer to foreign persons, is prevented, or licensed, as required by applicable Federal laws, E.O.s, and/or regulations, including the EAR.
- 5. As applicable, non-Federal entity personnel and associates at DOC sites will be informed of any procedures to identify and protect export-controlled items from unauthorized export.

- 6. To the extent the non-Federal entity wishes to release or transfer export-controlled items to foreign persons, the non-Federal entity will be responsible for obtaining any necessary licenses, including licenses required under the EAR for deemed exports or deemed reexports. Failure to obtain any export licenses required under the EAR may subject the non-Federal entity to administrative or criminal enforcement. See 15 C.F.R. part 764.
- 7. Nothing in the terms of this financial assistance award is intended to change, supersede, or waive the requirements of applicable Federal laws, E.O.s or regulations.
- 8. Compliance with this term will not satisfy any legal obligations the non-Federal entity may have regarding items that may be subject to export controls administered by other agencies such as the Department of State, which has jurisdiction over exports and re-exports of defense articles and services subject to the International Traffic in Arms Regulations (ITAR) (22 C.F.R. §§ 120-130), including the release of defense articles to foreign persons in the United States and abroad.
- 9. The non-Federal entity must include the provisions contained in this term in all lower tier transactions (subawards, contracts, and subcontracts) under this financial assistance award that may involve research or other activities that implicate export-controlled items.
- n. The Trafficking Victims Protection Act of 2000 (22 U.S.C. § 7104(g)), as amended, and the implementing regulations at 2 C.F.R. Part 175

The Trafficking Victims Protection Act of 2000 authorizes termination of financial assistance provided to a private entity, without penalty to the Federal Government, if any non-Federal entity engages in certain activities related to trafficking in persons. The DOC hereby incorporates the following award term required by 2 C.F.R. § 175.15(b):

Trafficking in persons.

- a. Provisions applicable to a recipient that is a private entity.
- 1. You as the recipient, your employees, subrecipients under this award, and subrecipients' employees may not
 - i. Engage in severe forms of trafficking in persons during the period of time that the award is in effect;
 - ii. Procure a commercial sex act during the period of time that the award is in effect; or
- iii. Use forced labor in the performance of the award or subawards under the award.

- 2. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if you or a subrecipient that is a private entity
 - i. Is determined to have violated a prohibition in paragraph a.1 of this award term; or
 - ii. Has an employee who is determined by the agency official authorized to terminate the award to have violated a prohibition in paragraph a.1 of this award term through conduct that is either—(A) Associated with performance under this award; or (B) Imputed to you or the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 C.F.R. Part 180 (OMB Guidelines to Agencies on Governmentwide Debarment and Suspension Nonprocurement), as implemented by DOC at 2 C.F.R. Part 1326 (Nonprocurement Debarment and Suspension).
- b. **Provision applicable to a recipient other than a private entity**. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if a subrecipient that is a private entity—
 - 1. Is determined to have violated an applicable prohibition in paragraph a.1 of this award term; or
 - 2. Has an employee who is determined by the agency official authorized to terminate the award to have violated an applicable prohibition in paragraph a.1 of this award term through conduct that is either
 - i. Associated with performance under this award; or
 - ii. Imputed to the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 C.F.R. Part 180 (OMB Guidelines to Agencies on Governmentwide Debarment and Suspension Nonprocurement), as implemented by DOC at 2 C.F.R. Part 1326, (Nonprocurement Debarment and Suspension).
 - c. Provisions applicable to any recipient.
 - 1. You must inform us immediately of any information you receive from any source alleging a violation of a prohibition in paragraph a.1 of this award term.
 - 2. Our right to terminate unilaterally that is described in paragraph a.2 or b of this section:
 - i. Implements section 106(g) of the Trafficking Victims Protection Act of 2000 (TVPA), as amended (22 U.S.C. 7104(g)), and
 - ii. Is in addition to all other remedies for noncompliance that are available to us under this award.

3. You must include the requirements of paragraph a.1 of this award term in any subaward you make to a private entity.

d. Definitions. For purposes of this award term:

- 1. "Employee" means either:
 - i. An individual employed by you or a subrecipient who is engaged in the performance of the project or program under this award; or
 - ii. Another person engaged in the performance of the project or program under this award and not compensated by you including, but not limited to, a volunteer or individual whose services are contributed by a third party as an in-kind contribution toward cost sharing or matching requirements.
- 2. "Forced labor" means labor obtained by any of the following methods: the recruitment, harboring, transportation, provision, or obtaining of a person for labor or services, through the use of force, fraud, or coercion for the purpose of subjection to involuntary servitude, peonage, debt bondage, or slavery.
- *3.* "Private entity":
 - i. Means any entity other than a State, local government, Indian tribe, or foreign public entity, as those terms are defined in 2 C.F.R. § 175.25;
 - ii. Includes: (A) A nonprofit organization, including any nonprofit institution of higher education, hospital, or tribal organization other than one included in the definition of Indian tribe at 2 C.F.R. § 175.25(b); and (B) A for-profit organization.
- 4. "Severe forms of trafficking in persons," "commercial sex act," and "coercion" have the meanings given at section 103 of the TVPA, as amended (22 U.S.C. § 7102).
- o. The Federal Funding Accountability and Transparency Act (FFATA) (31 U.S.C. § 6101 note)
- 1. **Reporting Subawards and Executive Compensation.** Under FFATA, recipients of financial assistance awards of \$30,000 or more are required to report periodically on executive compensation and subawards, as described in the following term from 2 C.F.R. Part 170, Appendix A, which is incorporated into this award:

Reporting Subawards and Executive Compensation

- a. Reporting of first-tier subawards.
- 1. Applicability. Unless you are exempt as provided in paragraph d. of this award term, you must report each action that equals or exceeds \$30,000 in Federal funds for a subaward

to a non-Federal entity or Federal agency (see definitions in paragraph e. of this award term).

- 2. Where and when to report.
 - i. You must report each obligating action described in paragraph a.1. of this award term to http://www.fsrs.gov.
 - ii. For subaward information, report no later than the end of the month following the month in which the obligation was made. (For example, if the obligation was made on November 7, 2010, the obligation must be reported by no later than December 31, 2010.)
- 3. What to report. You must report the information about each obligating action that the submission instructions posted at http://www.fsrs.gov specify.
- b. Reporting Total Compensation of Recipient Executives for non-Federal entities.
- 1. Applicability and what to report. You must report total compensation for each of your five most highly compensated executives for the preceding completed fiscal year, if
 - i. the total Federal funding authorized to date under this Federal award equals or exceeds \$30,000 as defined in 2 C.F.R § 170.320;
 - ii. in the preceding fiscal year, you received—
 - (A) 80 percent or more of your annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 C.F.R. § 170.320 (and subawards), and
 - (B) \$25,000,000 or more in annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 C.F.R. § 170.320 (and subawards); and,
 - iii. The public does not have access to information about the compensation of the executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. § 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. (To determine if the public has access to the compensation information, see the U.S. Security and Exchange Commission total compensation filings at http://www.sec.gov/answers/execomp.htm.)
- 2. Where and when to report. You must report executive total compensation described in paragraph b.1. of this award term:
 - i. As part of your registration profile found at the System for Award Management (SAM) website located at https://www.sam.gov.

- ii. By the end of the month following the month in which this award is made, and annually thereafter.
- c. Reporting of Total Compensation of Subrecipient Executives.
- 1. Applicability and what to report. Unless you are exempt as provided in paragraph d. of this award term, for each first-tier non-Federal entity subrecipient under this award, you shall report the names and total compensation of each of the subrecipient's five most highly compensated executives for the subrecipient's preceding completed fiscal year, if
 - i. in the subrecipient's preceding fiscal year, the subrecipient received—
 - (A) 80 percent or more of its annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 C.F.R. § 170.320 (and subawards) and,
 - (B) \$25,000,000 or more in annual gross revenues from Federal procurement contracts (and subcontracts), and Federal financial assistance subject to the Transparency Act (and subawards); and
 - ii. The public does not have access to information about the compensation of the executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. (To determine if the public has access to the compensation information, see the U.S. Security and Exchange Commission total compensation filings at http://www.sec.gov/answers/execomp.htm.).

See also 2 C.F.R. § 200.300(b).

- 2. Where and when to report. You must report subrecipient executive total compensation described in paragraph c.1. of this award term:
 - i. To the recipient.
 - ii. By the end of the month following the month during which you make the subaward. For example, if a subaward is obligated on any date during the month of October of a given year (i.e., between October 1 and 31), you must report any required compensation information of the subrecipient by November 30 of that year.
- d. **Exemptions**. If, in the previous tax year, you had gross income, from all sources, under \$300,000, you are exempt from the requirements to report: i. Subawards, and ii. The total compensation of the five most highly compensated executives of any subrecipient.

- e. **Definitions**. For purposes of this award term:
- 1. Federal Agency means a Federal agency as defined at 5 U.S.C. 551(1) and further clarified by 5 U.S.C. 552(f).
- 2. Non-Federal entity means all of the following, as defined in 2 C.F.R. Part 25:
 - i. A Governmental organization, which is a State, local government, or Indian tribe;
 - ii. A foreign public entity;
- iii. A domestic or foreign nonprofit organization; and,
- iv. A domestic or foreign for-profit organization.
- 3. Executive means officers, managing partners, or any other employees in management positions.

4. Subaward:

- i. This term means a legal instrument to provide support for the performance of any portion of the substantive project or program for which you received this award and that you as the recipient award to an eligible subrecipient.
- ii. The term does not include your procurement of property and services needed to carry out the project or program (for further explanation, see 2 C.F.R § 200.331).
- iii. A subaward may be provided through any legal agreement, including an agreement that you or a subrecipient considers a contract.
- 5. Subrecipient means a non-Federal entity or Federal agency that:
 - i. Receives a subaward from you (the recipient) under this award; and
 - ii. Is accountable to you for the use of the Federal funds provided by the subaward.
- 6. Total compensation means the cash and noncash dollar value earned by the executive during the recipient's or subrecipient's preceding fiscal year and includes the following (for more information see $17 \text{ C.F.R.} \ \$ 229.402(c)(2)$):
 - i. Salary and bonus.
 - ii. Awards of stock, stock options, and stock appreciation rights. Use the dollar amount recognized for financial statement reporting purposes with respect to the fiscal year in accordance with the Statement of Financial Accounting Standards No. 123 (Revised 2004) (FAS 123R), Shared Based Payments.

- iii. Earnings for services under non-equity incentive plans. This does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives, and are available generally to all salaried employees.
- iv. Change in pension value. This is the change in present value of defined benefit and actuarial pension plans.
- v. Above-market earnings on deferred compensation which is not tax-qualified.
- vi. Other compensation, if the aggregate value of all such other compensation (e.g. severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property) for the executive exceeds \$10,000.
- 2. System for Award Management (SAM) and Universal Identifier Requirements -- as described in 2 C.F.R. Part 25, Appendix A, which is incorporated into this award:

System for Award Management (SAM) and Universal Identifier Requirements

- a. Requirement for System for Award Management. Unless you are exempted from this requirement under 2 C.F.R. § 25.110, you as the recipient must maintain current information in the SAM. This includes information on your immediate and highest level owner and subsidiaries, as well as on all of your predecessors that have been awarded a Federal contract or Federal financial assistance within the last three years, if applicable, until you submit the final financial report required under this Federal award or receive the final payment, whichever is later. This requires that you review and update the information at least annually after the initial registration, and more frequently if required by changes in your information or another Federal award term.
- b. Requirement for Unique Entity Identifier. If you are authorized to make subawards under this Federal award, you:
 - 1. Must notify potential subrecipients that no entity (see definition in paragraph c of this award term) may receive a subaward from you until the entity has provided its Unique Entity Identifier to you.
 - 2. May not make a subaward to an entity unless the entity has provided its Unique Entity Identifier to you. Subrecipients are not required to obtain an active SAM registration, but must obtain a Unique Entity Identifier.
 - c. Definitions for purposes of this term:
 - 1. SAM means the Federal repository into which a recipient must provide information required for the conduct of business as a recipient. Additional information about registration procedures may be found at the SAM Internet site (currently at https://www.SAM.gov).

- 2. Unique Entity Identifier means the identifier assigned by SAM to uniquely identify business entities.
- 3. Entity includes non-Federal entities as defined at 2 C.F.R. § 200.1 and also includes all of the following, for purposes of this part:
 - i. A foreign organization;
 - ii. A foreign public entity;
- iii. A domestic for-profit organization; and
- iv. A Federal agency.
- 4. Subaward has the meaning given in 2 C.F.R § 200.1.
- 5. Subrecipient has the meaning given in 2 C.F.R § 200.1.

See also 2 C.F.R. § 200.300(b).

p. Recipient Integrity and Performance Matters (Appendix XII to 2 C.F.R. Part 200)

Reporting of Matters Related to Recipient Integrity and Performance

- 1. General Reporting Requirement. If the total value of your currently active grants, cooperative agreements, and procurement contracts from all Federal awarding agencies exceeds \$10,000,000 for any period of time during the period of performance of this Federal award, then you as the recipient during that period of time must maintain the currency of information reported to the System for Award Management (SAM) that is made available in the designated integrity and performance system (currently the Federal Awardee Performance and Integrity Information System (FAPIIS)) about civil, criminal, or administrative proceedings described in paragraph 2 of this award term and condition. This is a statutory requirement under section 872 of Public Law 110-417, as amended (41 U.S.C. 2313). As required by section 3010 of Public Law 111-212, all information posted in the designated integrity and performance system on or after April 15, 2011, except past performance reviews required for Federal procurement contracts, will be publicly available.
- 2. Proceedings About Which You Must Report. Submit the information required about each proceeding that:
 - i. Is relating to the award or performance of a grant, cooperative agreement, or procurement contract from the Federal Government;
 - ii. Reached its final disposition during the most recent five-year period; and

iii. Is one of the following:

- (A) A criminal proceeding that resulted in a conviction, as defined in paragraph 5 of this award term and condition;
- (B) A civil proceeding that resulted in a finding of fault and liability and payment of a monetary fine, penalty, reimbursement, restitution, or damages of \$5,000 or more;
- (C) An administrative proceeding, as defined in paragraph 5 of this award term and condition, that resulted in a finding of fault and liability and your payment of either a monetary fine or penalty of \$5,000 or more or reimbursement, restitution, or damages in excess of \$100,000; or
- (D) Any other criminal, civil, or administrative proceeding if:
 - I. It could have led to an outcome described in paragraph 2.c.(1), (2), or (3) of this award term and condition;
 - II. It had a different disposition arrived at by consent or compromise with an acknowledgment of fault on your part; and
 - III. The requirement in this award term and condition to disclose information about the proceeding does not conflict with applicable laws and regulations.
- 3. Reporting Procedures. Enter in the SAM Entity Management area the information that SAM requires about each proceeding described in paragraph 2 of this award term and condition. You do not need to submit the information a second time under assistance awards that you received if you already provided the information through SAM because you were required to do so under Federal procurement contracts that you were awarded.
- 4. Reporting Frequency. During any period when you are subject to the requirement in paragraph 1 of this award term and condition, you must report proceedings information through SAM for the most recent five-year period, either to report new information about any proceeding(s) that you have not reported previously or affirm that there is no new information to report. Recipients that have Federal contract, grant, and cooperative agreement awards with a cumulative total value greater than \$10,000,000 must disclose semiannually any information about the criminal, civil, and administrative proceedings.
- 5. Definitions. For purposes of this award term and condition:
 - i. Administrative proceeding means a non-judicial process that is adjudicatory in nature to make a determination of fault or liability (e.g., Securities and Exchange Commission Administrative proceedings, Civilian Board of Contract Appeals proceedings, and Armed Services Board of Contract Appeals proceedings). This includes proceedings at the Federal and State level but only in connection with performance of a Federal contract or grant. It does not include audits, site visits, corrective plans, or inspection of deliverables.

- ii. Conviction, for purposes of this award term and condition, means a judgment or conviction of a criminal offense by any court of competent jurisdiction, whether entered upon a verdict or a plea, and includes a conviction entered upon a plea of nolo contendere.
- iii. Total value of currently active grants, cooperative agreements, and procurement contracts includes:
 - (A)Only the Federal share of the funding under any Federal award with a recipient cost share or match; and
 - (B) The value of all expected funding increments under a Federal award and options, even if not yet exercised.
- q. Never Contract with the Enemy (2 C.F.R Part 183; 2 C.F.R. § 200.215)

Under 2 C.F.R. § 200.215 (Never contract with the enemy) Federal awarding agencies and recipients are subject to the regulations implementing Never Contract with the Enemy in 2 C.F.R. Part 183. These regulations affect covered contracts, grants and cooperative agreements that are expected to exceed \$50,000 within the period of performance, are performed outside the United States and its territories, and are in support of a contingency operation in which members of the Armed Forces are actively engaged in hostilities.

- 1. <u>Applicability</u>. This term applies only to recipients of covered grants or cooperative agreements, as defined in 2 C.F.R. § 183.35 Definitions.
- 2. **Requirements.** As applicable, recipients must fulfill the requirements as described in the following terms from 2 C.F.R. Part 183, Appendix A, which is incorporated into this award:
 - a. Term 1. Prohibition on Providing Funds to the Enemy.
 - 1. The recipient must—
 - i. Exercise due diligence to ensure that none of the funds, including supplies and services, received under this grant or cooperative agreement are provided directly or indirectly (including through subawards or contracts) to a person or entity who is actively opposing the United States or coalition forces involved in a contingency operation in which members of the Armed Forces are actively engaged in hostilities, which must be completed through 2 CFR Part 180.300 prior to issuing a subaward or contract and;
 - ii. Terminate or void in whole or in part any subaward or contract with a person or entity listed in SAM as a prohibited or restricted source pursuant to subtitle E of Title VIII of the NDAA for FY 2015, unless the Federal awarding agency provides written approval to continue the subaward or contract.

- 2. The recipient may include the substance of this clause, including this paragraph (1), in subawards under this grant or cooperative agreement that have an estimated value over \$50,000 and will be performed outside the United States, including its outlying areas.
- 3. The Federal awarding agency has the authority to terminate or void this grant or cooperative agreement, in whole or in part, if the Federal awarding agency becomes aware that the recipient failed to exercise due diligence as required by paragraph (1) of this clause or if the Federal awarding agency becomes aware that any funds received under this grant or cooperative agreement have been provided directly or indirectly to a person or entity who is actively opposing coalition forces involved in a contingency operation in which members of the Armed Forces are actively engaged in hostilities

b. Term 2. Additional Access to Recipient Records.

- 1. In addition to any other existing examination-of-records authority, the Federal Government is authorized to examine any records of the recipient and its subawards or contracts to the extent necessary to ensure that funds, including supplies and services, available under this grant or cooperative agreement are not provided, directly or indirectly, to a person or entity that is actively opposing United States or coalition forces involved in a contingency operation in which members of the Armed Forces are actively engaged in hostilities, except for awards awarded by the Department of Defense on or before Dec 19, 2017 that will be performed in the United States Central Command (USCENTCOM) theater of operations
- 2. The substance of this clause, including this paragraph (2), is required to be included in subawards or contracts under this grant or cooperative agreement that have an estimated value over \$50,000 and will be performed outside the United States, including its outlying areas.
- r. Prohibition on certain telecommunications and video surveillance services or equipment (Public Law 115-232, section 889; 2 C.F.R. § 200.216)
- (a) Recipients and subrecipients are prohibited from obligating or expending loan or grant funds to:
 - (1) Procure or obtain,
 - (2) Extend or renew a contract to procure or obtain, or
 - (3) Enter into a contract (or extend or renew a contract) to procure or obtain equipment, services or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

As described in Public Law 115-232, section 889, covered telecommunications equipment is telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

- (i). For the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).
- (ii). Telecommunications or video surveillance services provided by such entities or using such equipment.
- (iii). Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.
- (b) In implementing the prohibition under Public Law 115-232, section 889, subsection (f), paragraph (1), heads of executive agencies administering loan, grant, or subsidy programs shall prioritize available funding and technical support to assist affected businesses, institutions and organizations as is reasonably necessary for those affected entities to transition from covered communications equipment and services, to procure replacement equipment and services, and to ensure that communications service to users and customers is sustained.
 - (c) See Public Law 115-232, section 889 for additional information.
 - (d) See also §200.471.

s. Federal Financial Assistance Planning During a Funding Hiatus or Government Shutdown

This term sets forth initial guidance that will be implemented for Federal assistance awards in the event of a lapse in appropriations, or a government shutdown. The Grants Officer may issue further guidance prior to an anticipated shutdown.

1. Unless there is an actual rescission of funds for specific grant or cooperative agreement obligations, non-Federal entities under Federal financial assistance awards for which funds have been obligated generally will be able to continue to perform and incur allowable expenses under the award during a funding hiatus. Non-Federal entities are advised that ongoing activities by Federal employees involved in grant or cooperative agreement administration (including payment processing) or similar operational and administrative work cannot continue when there is a funding lapse. Therefore, there may be delays, including payment processing delays, in the event of a shutdown.

- 2. All award actions will be delayed during a government shutdown; if it appears that a non-Federal entity's performance under a grant or cooperative agreement will require agency involvement, direction, or clearance during the period of a possible government shutdown, the Program Officer or Grants Officer, as appropriate, may attempt to provide such involvement, direction, or clearance prior to the shutdown or advise non-Federal entities that such involvement, direction, or clearance will not be forthcoming during the shutdown. Accordingly, non-Federal entities whose ability to withdraw funds is subject to prior agency approval, which in general are non-Federal entities that have been designated high risk, non-Federal entities under construction awards, or are otherwise limited to reimbursements or subject to agency review, will be able to draw funds down from the relevant Automatic Standard Application for Payment (ASAP) account only if agency approval is given and coded into ASAP prior to any government shutdown or closure. This limitation may not be lifted during a government shutdown. Non-Federal entities should plan to work with the Grants Officer to request prior approvals in advance of a shutdown wherever possible. Non-Federal entities whose authority to draw down award funds is restricted may decide to suspend work until the government reopens.
- 3. The ASAP system should remain operational during a government shutdown. Non-Federal entities that do not require any Grants Officer or agency approval to draw down advance funds from their ASAP accounts should be able to do so during a shutdown. The 30-day limitation on the drawdown of advance funds will still apply notwithstanding a government shutdown (see section B.02.b.1 of these terms).

OMB Number: 0610-0096 Expiration Date: 01/31/2025

EDA PROJECT SIGN

The Contractor shall supply, erect, and maintain in good condition a project sign according to the specifications set forth below:

EDA SITE SIGN SPECIFICATIONS

Size: 4' x 8' x 3/4"

Materials: Exterior grade/MDO plywood (APA rating A-B)

Supports: 4" x 4" x 12' posts with 2" x 4" cross branching

<u>Erection:</u> Posts shall be set a minimum of three feet deep in concrete footings that are at least 12"

in diameter.

Paint: Outdoor enamel

<u>Colors:</u> Jet Black, Blue (PMS300), and Gold (PMS7406). Specifically, on white background the

following will be placed:

The U. S. Department of Commerce seal in blue, black, and gold;

"EDA" in blue;

"U. S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT

ADMINISTRATION" in black;

"In partnership with" in blue;

(Actual name of the) "EDA Grant Recipient" in black;

Lettering: Specific fonts are named below; positioning will be as shown on the attached illustration.

"U. S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT ADMINISTRATION" use Bank Gothic Medium - Bank Gothic Med

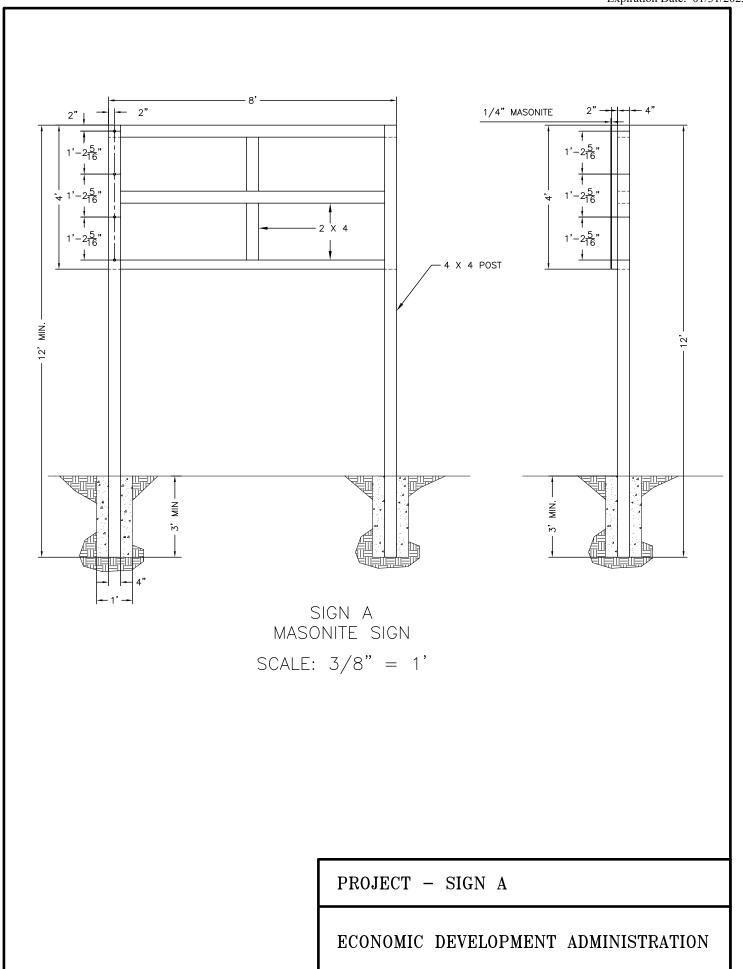
"In partnership with" use Univers TM 55 Oblique - *Univers* 55

(Name of) "EDA Grant Recipient" use Univers TM Extra Black 85 Univers 85

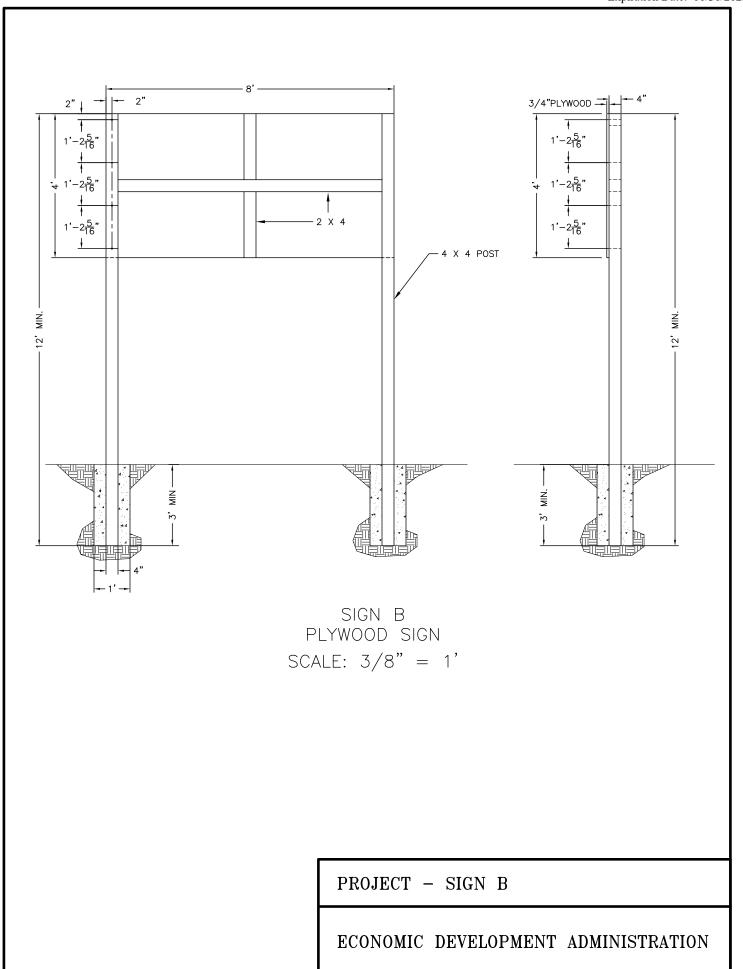
Project signs will not be erected on public highway rights-of-way. If any possibility exists for obstruction to traffic line of sight, the location and height of the sign will be coordinated with the agency responsible for highway or street safety in the area.

The EDA Regional Director may permit modifications to these specifications if they conflict with state law or local ordinances.

OMB Number: 0610-0096 Expiration Date: 01/31/2025



OMB Number: 0610-0096 Expiration Date: 01/31/2025





U.S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT ADMINISTRATION

In partnership with

<EDA Grant Recipient Name>



1.5" U.S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT ADMINISTRATION

In partnership with

<EDA Grant Recipient Name>

48"

15.0"

4.0"

3.0"

3.0"

3.75"

OMB Number: 0610-0096 Expiration Date: 11/30/2021

ECONOMIC DEVELOPMENT ADMINISTRATION

CHANGE ORDER FORM

		Date:		
Recipient:				
Co-Recipient(s):				
Recipient's Authorized Re	epresentative:			
		Name & Pho	one Number	
Construction Contract No.	Contractor Nan	ne	Change Order No.	
The Change Order will provide	e for the following:			
Change Order Justification (Ind	clude cost analysis, if not un	it cost in bid proposal o	r schedule of values):	
	TOTAL	EDA Funded Amount	* Non-EDA Funded Amou	
Original Contract Amount	\$	\$	\$	
Current Contract Amount adjusted by previous Change Orders	\$	\$	\$	
			Ψ	
This Change Order will (increase) (decrease) the Contract Amount by:	\$	\$	\$	
_		\$	•	
(increase)(decrease) the Contract Amount by: The original, scheduled date of completion is/was:		\$ \$	•	
(increase) (decrease) the Contract Amount by: The original, scheduled date of completion is/was: The new Contract Amount including	\$		\$	
(increase)(decrease) the Contract Amount by: The original, scheduled date of completion is/was: The new Contract Amount including this Change Order will be: The Contract Time will(increase)(decrease) the schedule by:	\$ calendar days	\$	\$ \$	
the Contract Amount by: The original, scheduled date of completion is/was: The new Contract Amount including this Change Order will be: The Contract Time will (increase) (decrease) the schedule by: e estimated date for completion of all	\$ calendar days	\$ calendar days (Date)	\$ calendar day	

Prepared By (Typed or Written Name & Title)

EJCDC≣		Contractor's A	pplication for	Payment No.	
ENGINEERS JOINT CONTRA		Application		Application Date:	
DOCUMENTS COMMITTEE		Period:			
То		From (Contractor):		Via (Engineer):	
(Owner):					
Project:		Contract:			
Owner's Contract No.:		Contractor's Project No.:		Engineer's Project No.:	
	A Pro From Pro				
	Application For Payment Change Order Summary				
Approved Change Orders	change order guilliary		1. ORIGINAL CONTR	RACT PRICE	•
Number Number	Additions	Deductions	-	ge Orders	
Transcr	- Additions	Beddedons	3. Current Contract Price (Line 1 ± 2)		
			4. TOTAL COMPLETED AND STORED TO DATE		
			4. TOTAL COMPLETED AND STORED TO DATE (Column F total on Progress Estimates)\$		\$
			5. RETAINAGE:		
			a.	X Work Completed	\$
			b.	X Stored Material	\$
			b. A Stored Material \$ c. Total Retainage (Line 5.a + Line 5.b)\$		
			6. AMOUNT ELIGIBLE TO DATE (Line 5.c)\$		\$
TOTALS			7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application) \$		\$
NET CHANGE BY			8. AMOUNT DUE THIS APPLICATION\$		\$
CHANGE ORDERS			9. BALANCE TO FINISH, PLUS RETAINAGE		
			(Column G total on F	Progress Estimates + Line 5.c above)	\$
			7		
Contractor's Certification					
The undersigned Contractor certifies, to the best of its knowledge, the following: (1) All previous progress payments received from Owner on account of Work done under the Contract		Payment of: \$	\$		
(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment; (2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all Liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner			(Line 8 or other - attach explanation of the	other amount)	
		of payment free and clear of all	is recommended by:		
	any such Liens, security interest, or en			(Engineer)	(Date)
(3) All the Work covered by and is not defective.	this Application for Payment is in acco	ordance with the Contract Documents	D	•	
and is not defective.			Payment of: \$	(Line S on other ottock avalenation of the	othor omount)
				(Line 8 or other - attach explanation of the	ouier amount)
			is approved by:		
			is approved by.	(Owner)	(Date)
Contractor Signature				(Owner)	(Date)
By:		Date:	Approved by:		
-				Funding or Financing Entity (if applicable)	(Date)

Contractor's Application

Progress Estimate - Lump Sum Work

For (Contract):				Application Number:				
Application Period:				Application Date:				
			Work Completed	mpleted	ш	Ľ		Ð
	A	В	C	D	Materials Presently	-		Balance to Finish
Specification Section No.	Description	Scheduled Value (\$)	From Previous Application (C+D)	This Period	Stored (not in C or D)	and Stored to Date (C + D + E)	% (F/B)	(B - F)
						-		
						-		
	10tals							

Contractor's Application

Progress Estimate - Unit Price Work

For (Contract):								Application Number:			
Application Period:								Application Date:			
	V				В	C	D	ш	ш		
	Item		Con	Contract Information			Value of Work		Total Completed		
Bid Item No.	Description	Item Quantity	Units	Unit Price	Total Value of Item (\$)	Quantity Installed	value of work Installed to Date	Materials Presently Stored (not in C)	and Stored to Date (D + E)	% (F/B)	Balance to Finish (B - F)
	Totals										

Contractor's Application

Stored Material Summary

							Application Date:			
В			D D	D		Е	Cubratal Amount			Ŋ
mitt	Submittal No.			Stored Previously			Completed and	Incorporated in Work	1 in Work	Materials Demaining
(with ecificati ction N	(with Specification Section No.)	Storage Location	Description of Materials or Equipment Stored	Date Placed A into Storage (Month/Year)	Amount (\$)	Amount Stored this Month (\$)	Stored to Date (D + E)	Date (Month/ Year)	Amount (\$)	in Storage (\$) (D + E - F)

U.S. Department of Labor

Wage and Hour Division

PAYROLL



(For Contractor's Optional Use; See Instructions at www.dol.gov/whd/forms/wh347instr.htm)

Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. Rev. Dec. 2008 NAME OF CONTRACTOR OR SUBCONTRACTOR **ADDRESS** OMB No.:1235-0008 Expires: 07/31/2024 PROJECT OR CONTRACT NO. PROJECT AND LOCATION PAYROLL NO. FOR WEEK ENDING (1) (3) (4) DAY AND DATE (5) (9) (2)(6) (7) NO. OF WITHHOLDING EXEMPTIONS DEDUCTIONS NET NAME AND INDIVIDUAL IDENTIFYING NUMBER **GROSS** WITH-WAGES (e.g., LAST FOUR DIGITS OF SOCIAL SECURITY WORK TOTAL RATE AMOUNT HOLDING TOTAL PAID NUMBER) OF WORKER CLASSIFICATION HOURS WORKED EACH DAY HOURS OF PAY EARNED **FICA** TAX OTHER DEDUCTIONS FOR WEEK

While completion of Form WH-347 is optional, it is mandatory for covered contractors and subcontractors performing work on Federally financed or assisted construction contracts to respond to the information collection contained in 29 C.F.R. §§ 3.3, 5.5(a). The Copeland Act (40 U.S.C. § 3145) contractors and subcontractors performing work on Federally financed or assisted construction contracts to "furnish weekly a statement with respect to the wages paid each employee during the preceding week." U.S. Department of Labor (DOL) regulations at 29 C.F.R. § 5.5(a)(3)(ii) require contractors to submit weekly a copy of all payrolls to the Federal agency contracting for or financing the construction project, accompanied by a signed "Statement of Compliance" indicating that the payrolls are correct and complete and that each laborer or mechanic has been paid not less than the proper Davis-Bacon prevailing wage rate for the work performed. DOL and federal contracting agencies receiving this information review the information to determine that employees have received legally required wages and fringe benefits.

Public Burden Statement

We estimate that is will take an average of 55 minutes to complete this collection, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. If you have any comments regarding these estimates or any other aspect of this collection, including suggestions for reducing this burden, send them to the Administrator, Wage and Hour Division, U.S. Department of Labor, Room S3502, 200 Constitution Avenue, N.W. Washington, D.C. 20210

Date	
1	
I,(Name of Signatory Party)	(Title)
do hereby state:	
(1) That I pay or supervise the payment of the persons	s employed by
	an tha
(Contractor or Subcontrac	ctor) on the
;t	that during the payroll period commencing on the
(Building or Work)	
, day of,, and ending t	the, day of,,
all persons employed on said project have been paid the ful been or will be made either directly or indirectly to or on beh	
	from the full
(Contractor or Subcontra	
3 (29 C.F.R. Subtitle A), issued by the Secretary of Labor ui 63 Stat. 108, 72 Stat. 967; 76 Stat. 357; 40 U.S.C. § 3145),	
(2) That any payrolls otherwise under this contract req correct and complete; that the wage rates for laborers or m applicable wage rates contained in any wage determination set forth therein for each laborer or mechanic conform with	echanics contained therein are not less than the incorporated into the contract; that the classification
(3) That any apprentices employed in the above period program registered with a State apprenticeship agency reconstraining, United States Department of Labor, or if no such rowith the Bureau of Apprenticeship and Training, United States	ognized by the Bureau of Apprenticeship and ecognized agency exists in a State, are registered

(4) That

- (a) WHERE FRINGE BENEFITS ARE PAID TO APPROVED PLANS, FUNDS, OR PROGRAMS
 - in addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits as listed in the contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in section 4(c) below.

(b) WHERE FRINGE BENEFITS ARE PAID IN CASH

 Each laborer or mechanic listed in the above referenced payroll has been paid, as indicated on the payroll, an amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as listed in the contract, except as noted in section 4(c) below.

(c) EXCEPTIONS

EXCEPTION (CRAFT)	EXPLANATION
REMARKS:	
NAME AND TITLE	SIGNATURE
THE WILLFUL FALSIFICATION OF ANY OF THE ABOVE STA	TEMENTS MAY SUBJECT THE CONTRACTOR OR

THE WILLFUL FALSIFICATION OF ANY OF THE ABOVE STATEMENTS MAY SUBJECT THE CONTRACTOR OR SUBCONTRACTOR TO CIVIL OR CRIMINAL PROSECUTION. SEE SECTION 1001 OF TITLE 18 AND SECTION 3729 OF TITLE 31 OF THE UNITED STATES CODE.

SOUTHWEST MICHIGAN ACCELERATOR KITCHEN

30 E VAN BUREN ST, BATTLE CREEK, MI

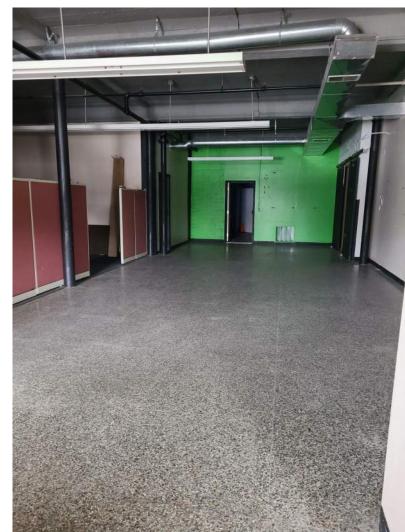
RENDERING - FOR REFERENCE ONLY



NAGPRA and State Historic Preservation Requirements If any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) or archaeological evidence is discovered during any phase of this project, the Miami Tribe requests immediate consultation with the entity of jurisdiction for the location of discovery. In such a case, please call (918) 541-8966 or email dhunter@miamination.com to initiate consultation. Further, if artifacts or bones are discovered, please also notify the Michigan State Historic Preservation Office immediately.

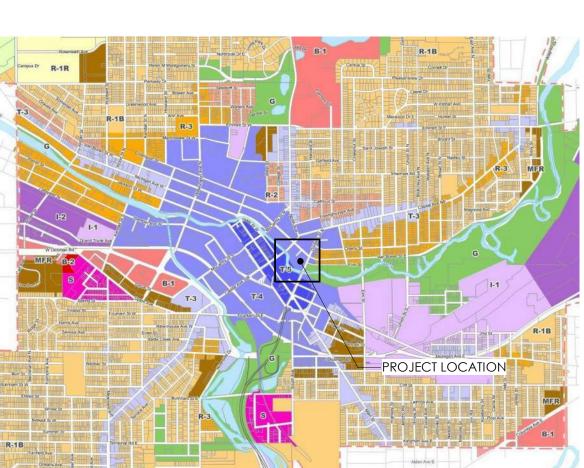
EXISTING PHOTOS - FOR REFERENCE ONLY





ZONING MAP

ZONING - T-4 DOWNTOWN COMMERCIAL DISTRICT



PROJECT NOTES

- IN ADDITION, CONSTRUCTION MUST COMPLY WITH ALL LOCAL ORDINANCES AND THE LOCAL HEALTH DEPARTMENT REGULATIONS.
- SPECIFICATIONS AND PARTITION KEY FOR INFORMATION. CONTACT ARCHITECT IF ADDITIONAL INFORMATION IS REQUIRED

- TO ACHIEVE AN UNINTERRUPTED SURFACE APPEARANCE. PATCH AND REPAIR ALL FLOORING
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING REQUIRED TO EXECUTE WORK. THE CONTRACTOR SHALL COORDINATE ALL TEMPORARY CONSTRUCTION WITH THE ARCHITECT AND STRUCTURAL ENGINEER AS REQUIRED.
- IN THE PROJECT AND IN THE PATH OF THE CONTRACTORS TRAVEL, SETUP AND/ OR PROJECT MATERIAL STORAGE. THE CONTRACTOR MUST RETURN THE AREAS DISTURBED AS REQUIRED
- CONTRACTOR AND MUST COMPLY WITH ALL STATE, LOCAL, ENVIRONMENTAL AND LABOR LAWS DURING THE CONSTRUCTION OF THIS PROJECT.
- ALL WORK TO BE GUARANTEED A MINIMUM OF ONE YEAR FROM THE DATE OF OWNER
- 12. IF DISCREPANCIES OCCUR BETWEEN DRAWINGS AND FIELD CONDITIONS CONTACT THE ARCHITECT TO VERIFY HOW TO PROCEED BEFORE DOING SO.

- 15. THE PROJECT SHALL CONFORM TO UNDERWRITERS LABORATORY FIRE RESISTANCE DIRECTORY
- APPROVALS FOR ANY MATERIALS SUBSTITUTION IN THE REQUIRED UL DESIGN ASSEMBLY BY THE FIRE MARSHAL AND BUILDING INSPECTOR HAVING JURISDICTION PRIOR TO
- ASSEMBLY, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL OTHER RELATED MATERIALS OR ASSEMBLIES AFFECTED BY THE CHANGE OF MATERIAL OR UL DESIGN
- 8. PROVIDE COMPLETE UL APPROVED THROUGH-PENETRATION FIRESTOP SYSTEMS AT ALL RATED WALL PENETRATIONS.
- 19. PROVIDE FIRESTOPPING AS REQUIRED AT ALL OPENINGS FOR PLUMBING, CONDUIT, DUCTWORK, ETC AT FIRE RATED ASSEMBLIES.
- 20. REFER TO THE FLOOR PLANS FOR IDENTIFICATION OF ALL FIRE AND SMOKE-RATED PARTITIONS.

NOTE: EXISTING POWER LINES WILL HAVE TO BE LOCATED AWAY FROM THE EXISTING BUILDING DURING EXTERIOR CONSTRUCTION TO COMPLY WITH OSHA REGULATIONS AND ENSURE A SAFE WORK ENVIRONMENT. THE GC IS TO COORDINATE WITH CONSUMERS ENERGY.

PROJECT DESCRIPTION

A HISTORIC BUILDING IS BEING CONVERTED INTO A COMMERCIAL KITCHEN ON THE LEVEL ONE, FOOD BUSINESS SPACES ON LEVEL TWO AND FUTURE TENANT SPACES ON THE UPPER LEVELS, PREPARED FOR BUSINESS USE. THERE IS A NEW ELEVATOR AND STAIRWELL ADDITION PROPOSED AS A PART OF THIS PROJECT. MINOR SITE REVISIONS ARE TO BE A PART OF THIS PROJECT.

BIDDING NOTES

ALL RFI'S ARE DUE TO THE ARCHITECT/OWNER MIN. 10 DAYS BEFORE BIDS ARE DUE BACK.

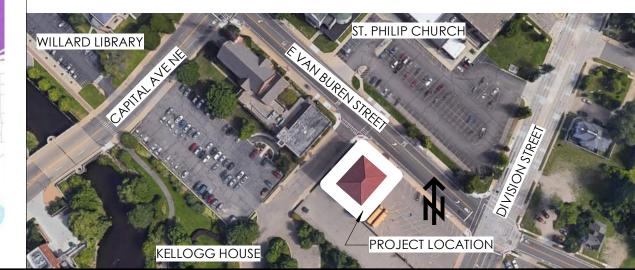
2) ALL RESPONSES WILL BE FORMALLY SUBMITTED IN AN ADDENDUM SET TO ALL BIDDERS A MINIMUM 7 DAYS BIDS ARE DUE BACK.

3) COORDINATE WATER, SANITARY, ELECTRIC, AND GAS LINES WITH TITLE EXHIBIT 1A-1 CERTIFICATION FROM THE EDA.

4) equivalent's are allowed as long as they meet the buy american act and are APPROVED BY BOTH THE ARCHITECT AND THE OWNER.

5) LIQUIDATED DAMAGES: IF THE PROJECT IS NOT COMPLETE WITHIN 30 DAYS OF AGREED UPON COMPLETION DATE, LIQUIDATED DAMAGES START AT \$500 PER DAY UP TO 50% OF THE GENERAL

AREA MAP



DRAWING LIST

BUILDING SECTIONS

BUILDING SECTIONS

BUILDING SECTIONS

ELEVATOR SECTION & DETAILS

WALL SECTIONS

DRAWING TITLE

O ARCHITECTURE TITLE SHEET RENDERINGS MOUNTING HEIGHTS + ABBREVIATIONS CODE COMPLIANCE

OVERALL SITE PLAN SITE DETAILS RAMP & FENCE DETAILS

EXISTING FLOOR PLANS EXISTING FLOOR PLANS DEMOLITION PLANS DEMOLITION PLANS WALL TYPES DOOR AND WINDOW DETAILS MASTER FINISH SCHEDULES & INTERIOR DETAILS INTERIOR SPECIFCATIONS LEVEL 1 FLOOR PLAN LEVEL 2 FLOOR PLAN LEVEL 3 FLOOR PLAN LEVEL 4 FLOOR PLAN LEVEL 5 FLOOR PLAN ENLARGED PLANS **ENLARGED PLANS** REFLECTED CEILING PLANS REFLECTED CEILING PLANS INTERIOR ELEVATIONS INTERIOR ELEVATIONS INTERIOR DETAILS ELEVATOR AND STAIR PLANS **ELEVATOR AND STAIR PLANS ENLARGED STAIR PLANS ENLARGED STAIR PLAN & DETAILS** EXTERIOR ELEVATIONS EXTERIOR ELEVATIONS

EXTERIOR SPECIFICATIONS LEVEL 2 FRAMING PLAN LEVEL 3 FRAMING PLAN LEVEL 4 FRAMING PLAN LEVEL 5 FRAMING PLAN SCHEDULES AND NOTES FOUNDATION DETAILS FLOOR FRAMING DETAILS ROOF FRAMING DETAILS

04 FOOD SERVICE FOOD SERVICE EQUIPMENT FLOOR PLAN FOOD SERVICE EQUIPMENT FLOOR PLAN FOOD SERVICE EQUIPMENT SCHEDULE FOOD SERVICE ELECTRICAL FLOOR PLAN FSE 3.1 FOOD SERVICE ELECTRICAL FLOOR PLAN FOOD SERVICE PLUMBING FLOOR PLAN FOOD SERVICE PLUMBING SCHEDULE FOOD SERVICE REFRIGERATION FLOOR PLAN FOOD SERVICE VENTILATION SCHEDULE FSE 10 FOOD SERVICE EQUIPMENT DETAILS MECHANICAL DEMOLITION

MECHANICAL DEMOLITION SANITARY AND VENT PIPING DOMESTIC WATER AND NATURAL GAS SANITARY, VENT, DOMESTIC WATER AND NATURAL GAS M300 MECHANICAL SCHEDULES MECHANICAL SCHEDULES MECHANICAL DETAILS 06 ELECTRICAL ELECTRICAL DEMOLITION PLANS

ELECTRICAL DEMOLITION PLANS LIGHTING REVISIONS PLANS LIGHTING REVISIONS PLANS EMERGENCY LIGHTING PT BY PT PLANS POWER AND SYSTEMS REVISIONS PLANS POWER AND SYSTEMS REVISIONS PLANS RISER DIAGRAM PANEL SCHEDULES

LEVEL 1 AND 2 FIRE SUPPRESSION PLANS P101 LEVEL 3, 4, & 5 FIRE SUPPRESSION PLANS

DRIVEN DESIGN

Driven Design Studio PLLC 117 West Michigan Avenue Battle Creek, MI 49017

(269) 753-8040 cody@drivendesignstudio.com

Battle Creek Unlimited 4950 W. Dickman Rd., Suite 1 Battle Creek, MI 49037

(269) 962-7526 gibson@bcunlimited.org

MacMillan Associates 714 E Midland Street Bay City, MI 48706

(989) 894-4300 rmoulton@macmillanassociates.com

JRA Food Services Consultants,

THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF DRIVEN DESIGN. THE **DOCUMENT & THE INFORMATION IT**

PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR

30 E VAN BUREN ST, BATTLE CREEK, MI ALPHA CENTER

EDA PROJECT #

ADMINISTRATION PROJECT NO. 06-01-06174

ECONOMIC DEVELOPMENT

CONSTRUCTION DOCUMENTS

DATE 2/12/2022 8:02:52 PM 12" = 1'-0"



2020.45

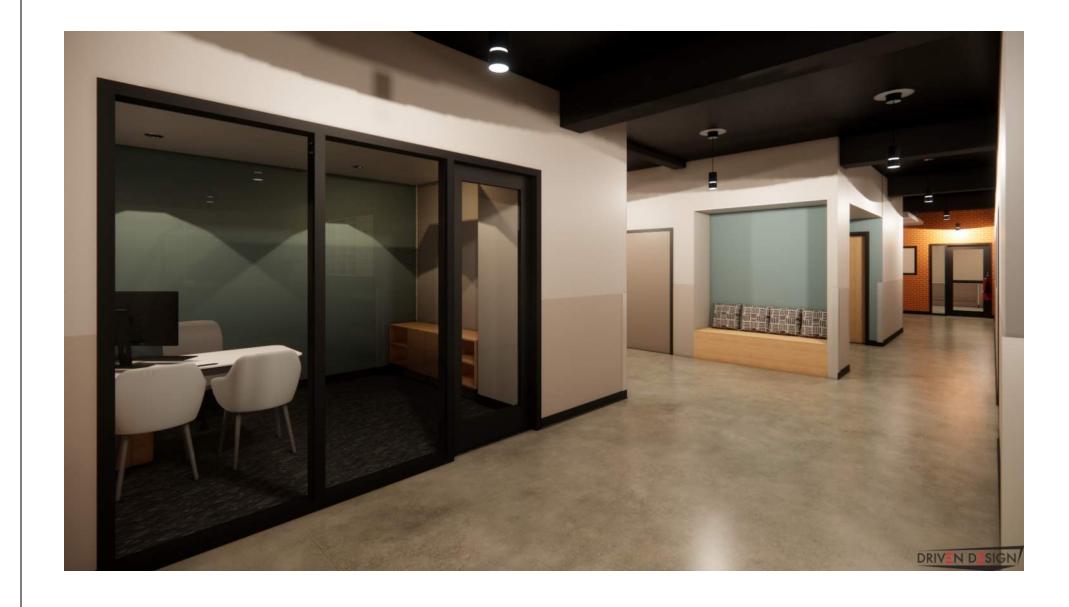
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EXTERIOR RENDERINGS - FOR REFERENCE ONLY

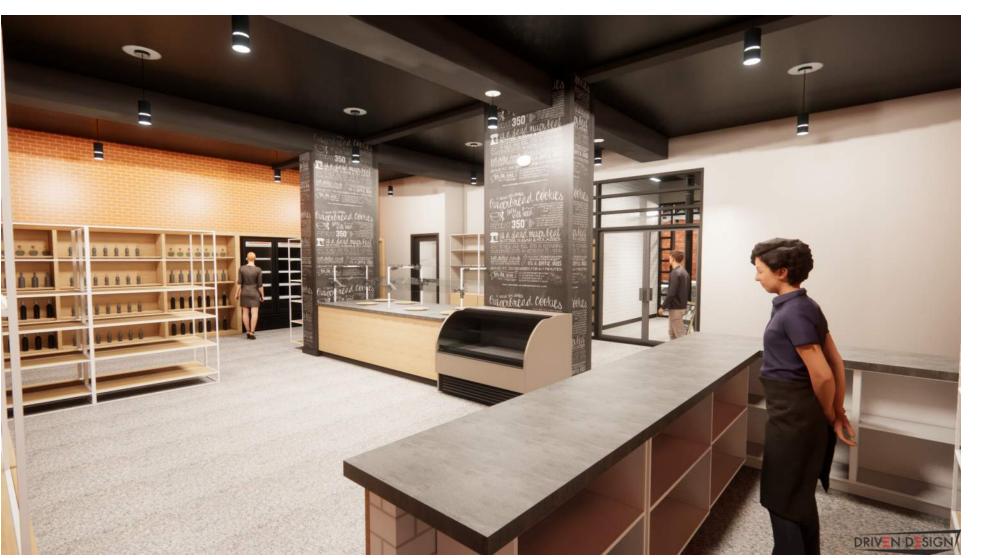






LEVEL 1 RENDERINGS - FOR REFERENCE ONLY







DRIVEN DESIGN

ARCHITECT
Driven Design Studio PLLC
117 West Michigan Avenue
Battle Creek, MI 49017

(269) 753-8040

cody@drivendesignstudio.com

<u>OWNER</u>

Diocese of Kalamazoo 4 215 N Westnedge Ave Kalamazoo, MI

(269) 349-8714 dunco61@gmail.com

<u>OWNER</u>

Battle Creek Unlimited 4950 W. Dickman Rd., Suite 1 Battle Creek, MI 49037

(269) 962-7526 gibson@bcunlimited.org

MACMILLAN ASSOCIATES
CONSULTING ENGINEERS **ENGINEERING**

MacMillan Associates 714 E Midland Street Bay City, MI 48706

(989) 894-4300

rmoulton@macmillanassociates.com

FOOD CONSULTANT

JRA Food Services Consultants 401 Hall St. SW. 234 Grand Rapids, MI

(616) 454-4433 jimr@jrafoodservicedesign.com

PROPERTY OF DRIVEN DESIGN. THE DOCUMENT & THE INFORMATION IT CONTAINS MAY NOT BE REPRODUCED PREPARED WITHOUT THE EXPLICIT CONSENT OF DRIVEN DESIGN.

ECONOMIC DEVELOPMENT

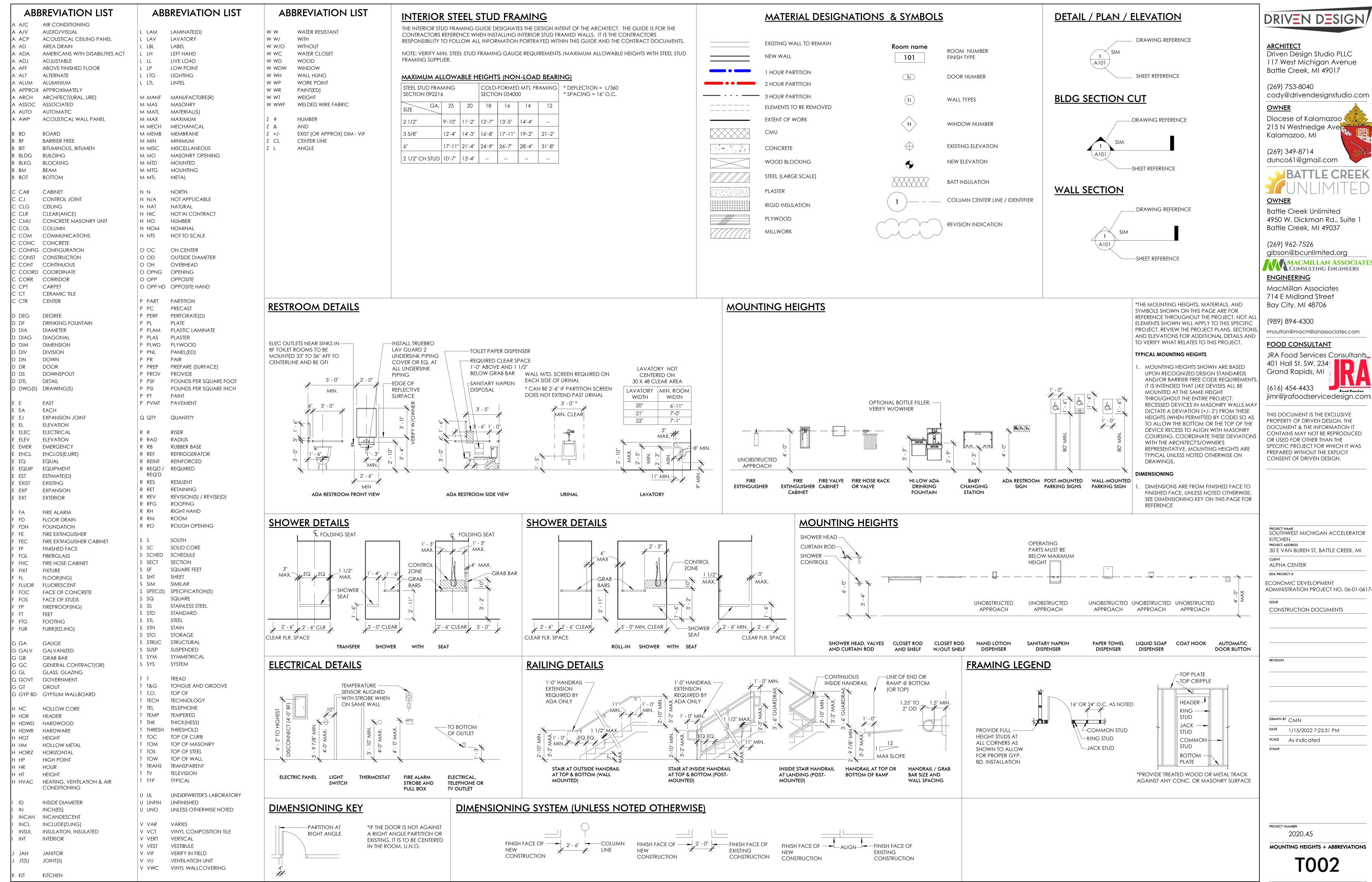
CONSTRUCTION DOCUMENTS

DRAWN BY CMN

DATE 1/15/2022 7:25:22 PM SCALE 12" = 1'-0"

2020.45

T001



DRIVEN DESIGN

117 West Michigan Avenue Battle Creek, MI 49017

4950 W. Dickman Rd., Suite 1

gibson@bcunlimited.org

rmoulton@macmillanassociates.com

401 Hall St. SW. 234

CONTAINS MAY NOT BE REPRODUCED SPECIFIC PROJECT FOR WHICH IT WAS

PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR

ADMINISTRATION PROJECT NO. 06-01-06174

MOUNTING HEIGHTS + ABBREVIATIONS

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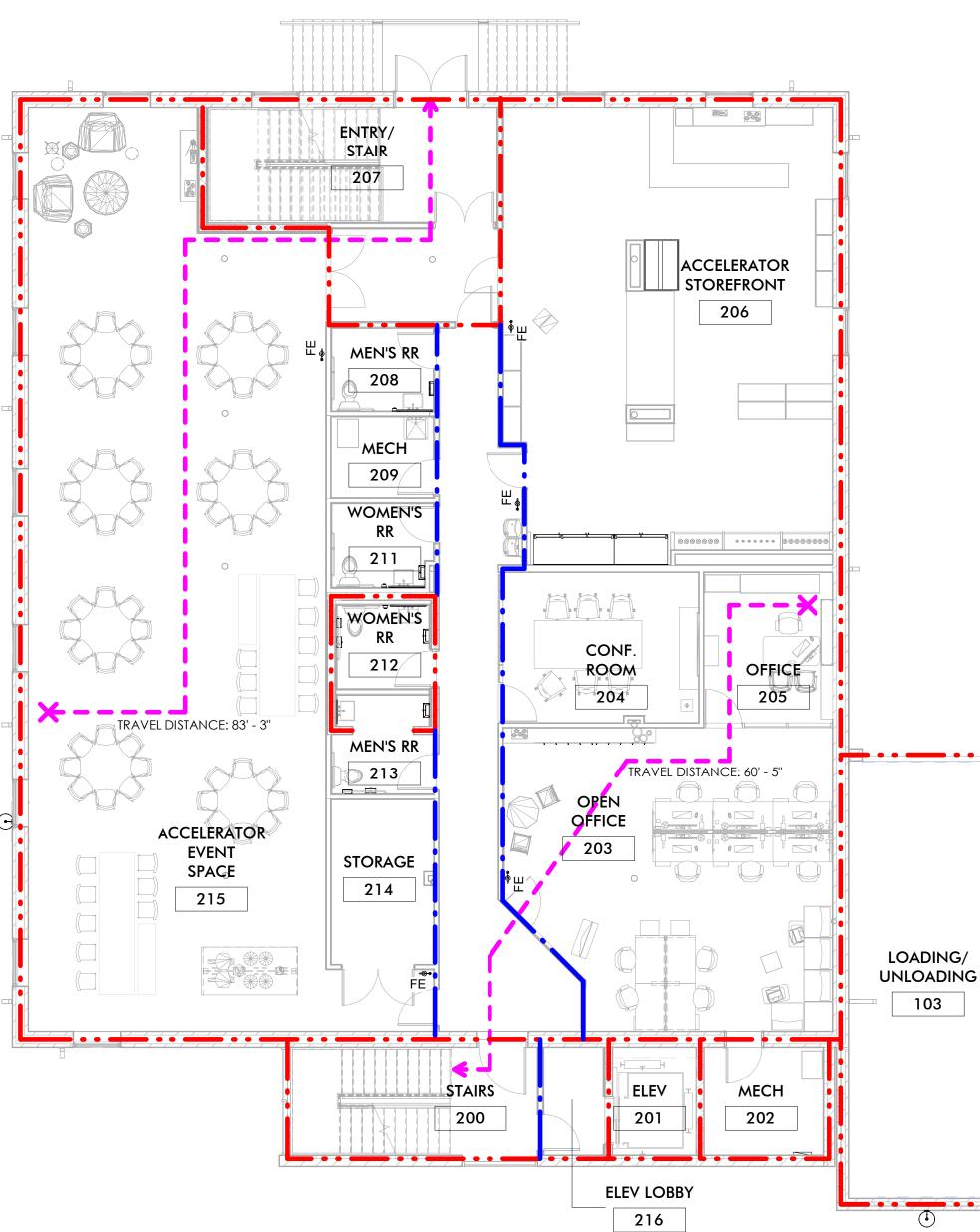
CODE COMPLIANCE GENERAL NOTES

- 1. REFER TO ELECTRICAL DRAWINGS FOR EGRESS LIGHTING AND FIRE ALARM LOCATIONS.
- 2. ENSURE EXIT SIGNS ARE MOUNTED ABOVE THE DOORS AND VISIBLE FROM 75 FEET AWAY. ALL EGRESS LIGHTING IS TO POINT DOWN TO ILLUMINATE THE EGRESS PATH OF TRAVEL.
- 3. ALL FIRE EXTINGUISHERS ARE TO BE ABC EXTINGUISHERS, UNLESS NOTED OTHERWISE. ALL EXTINGUISHERS ARE TO BE TAGGED WITH THE CURRENT YEAR'S INSPECTION ON IT. ANNUAL INSPECTIONS ARE TO OCCUR FOR ALL FIRE EXTINGUISHERS.
- 4. PROVIDE ADA RESTROOM SIGNS AT ALL RESTROOMS, COORESPONDING TO THE CORRECT
- 5. SEE TOO2 FOR MOUNTING HEIGHTS AND LOCATIONS
- 6. FURNITURE AND EQUIPMENT SHOWN ON COMPLIANCE DRAWINGS ARE FOR REFERENCE ONLY

103

COMPLIANCE LEGEND

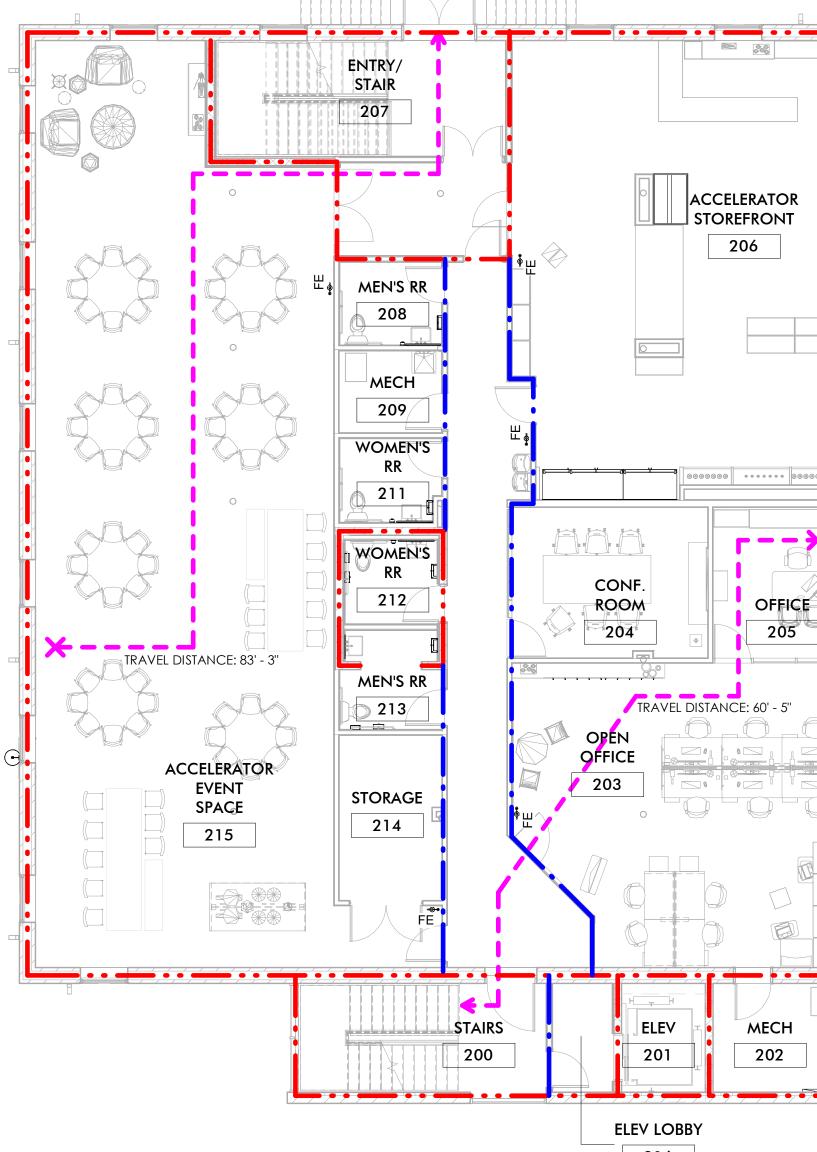
SYMBOL	ITEM
∄ 🏶	FIRE EXTINGUISHER
۵	EXIT SIGN W/ EGRESS LIGHTS
\leftarrow	EGRESS LIGHTING
	TRAVEL DISTANCE
	1 HOUR WALL
	2 HOUR WALL
SD	SMOKE DETECTOR
CO	CARBON MONOXIDE DETECTOR



TOPIC	SECTION	OMPLIANO ALLOWED/REQUIRED	□ C ACTUAL	DRIVEN DESIGN
APPLICABLE CODES		_ , ~ ~		
2015 MICHIGAN BUILDING CODE				<u>ARCHITECT</u>
2015 MICHIGAN MECHANICAL CODE				Driven Design Studio PLLC
2015 MICHIGAN PLUMBING CODE				117 West Michigan Avenue Battle Creek, MI 49017
2015 MICHIGAN REHABILITATION CODE	505	LEVEL 3 ALTERATION	INTERIOR RENOVATION + EXTERIOR ADDITION	Bullie Cleek, Mi 47017
2017 NATIONAL ELECTRICAL CODE				(269) 753-8040
ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES CODE (BARRIER FREE				cody@drivendesignstudio.co
CODE) ICC/ANSI 117.1 2009				<u>OWNER</u>
NFPA 13 (2013) NFPA 72 (2013)				Diocese of Kalamazoo
ZONING				215 N Westnedge Ave
ZONING	CITY OF BATTLE		T-4 DOWNTOWN COMMERCIAL DISTRICT	Kalamazoo, MI
1 COOPE AND ADAMN	CREEK			(269) 349-8714
1 - SCOPE AND ADMIN DEFERRED SUBMITTALS	107.3.4.1		FIRE SUPPRESSION,	dunco61@gmail.com
			CONCRETE MIX, HVAC SUBMITTALS WILL BE	S BATTLE CREE
			SUBMITTED LATER	
DESIGN PROFESSIONAL IN CHARGE	107.3.4		CODY NEWMAN IS TO BE THE DESIGN PROFESSIONAL IN	JUNLIMITE
			CHARGE	<u>OWNER</u>
SPECIAL INSPECTIONS	110		KITCHEN HOOD, FOOTINGS, AND FIRE	Battle Creek Unlimited
			SUPRESSION/ALARM INSPECTIONS WILL BE	4950 W. Dickman Rd., Suite 1
			REQUIRED TO THE BE	Battle Creek, MI 49037
3 - USE	303 1 304	BEFORE - VACANT	AFTER - A-2 (ASSEMBLY)+ B	(269) 962-7526
BUILDING USE	JUJ + JU4	DEFORE - VACANI	(BUSINESS)	gibson@bcunlimited.org
3 - AREA BY USE			1 970 95	MACMILLAN ASSOCIATION CONSULTING ENGINEERS
A-2 ASSEMBLY - LEVEL 2 B - BUSINESS - UPPER LEVELS			1,870 SF 13,098 SF	
B BUSINESS - LEVEL 2			989 SF	ENGINEERING Adachaillan Associatos
COMMERCIAL KITCHEN M - MERCANTILE			2,828 SF 999 SF	MacMillan Associates 714 E Midland Street
3 - GROSS BUILDING AREA			777 31	Bay City, MI 48706
LEVEL 1			6,616 SF	
LEVEL 2 LEVEL 3			6,616 SF 6,062 SF	(989) 894-4300
LEVEL 4			6,062 SF	rmoulton@macmillanassociates.com
LEVEL 5 TOTAL			3,676 SF 29,032 SF	FOOD CONSULTANT
5 - GENERAL BUILDING HEIGHTS AND	AREAS		27,002 31	JRA Food Services Consultan
ALLOWABLE BUILDING HEIGHT	TABLE 504.3	160 FEET	39' - 9"	401 Hall St. SW. 234
BASE STORIES ALLOWED	TABLE	12 STORIES	5 STORIES	Grand Rapids, MI
TABULAR AREA	504.4 TABLE	UNLIMITED	29, 032 SF	(616) 454-4433
IADULAK AKLA	506.2	ONLIMITED	27, 032 31	jimr@jrafoodservicedesign.co
6 - TYPE OF CONSTRUCTION TYPE OF CONSTRUCTION	TABLE 601	1	l D	
III L OI CONSINUCIION	INDLL OUT			
			I-B	THIS DOCUMENT IS THE EXCLUSIVE
7 - FIRE AND SMOKE PROTECTION		FIRE ALARM REQUIRED	FIRE ALARM PROVIDED	PROPERTY OF DRIVEN DESIGN. THE DOCUMENT & THE INFORMATION IT
7 - FIRE AND SMOKE PROTECTION 9 - FIRE PROTECTION SYSTEMS	903.2.1.3	FIRE ALARM REQUIRED GREATER THAN 12,000,		PROPERTY OF DRIVEN DESIGN. THE DOCUMENT & THE INFORMATION IT CONTAINS MAY NOT BE REPRODUCED
7 - FIRE AND SMOKE PROTECTION 9 - FIRE PROTECTION SYSTEMS AUTOMATIC SPRINKLER SYSTEM		GREATER THAN 12,000, REQUIRED	FIRE ALARM PROVIDED PROVIDED	PROPERTY OF DRIVEN DESIGN. THE DOCUMENT & THE INFORMATION IT CONTAINS MAY NOT BE REPRODUCED OR USED FOR OTHER THAN THE SPECIFIC PROJECT FOR WHICH IT WAS
	903.2.1.3	GREATER THAN 12,000,	FIRE ALARM PROVIDED	PROPERTY OF DRIVEN DESIGN. THE DOCUMENT & THE INFORMATION IT CONTAINS MAY NOT BE REPRODUCED OR USED FOR OTHER THAN THE
7 - FIRE AND SMOKE PROTECTION 9 - FIRE PROTECTION SYSTEMS AUTOMATIC SPRINKLER SYSTEM FIRE ALARM AND DETECTION SYSTEMS 10 - MEANS OF EGRESS	907	GREATER THAN 12,000, REQUIRED GREATER THAN 300 PEOPLE, REQUIRED	FIRE ALARM PROVIDED PROVIDED PROVIDED	PROPERTY OF DRIVEN DESIGN. THE DOCUMENT & THE INFORMATION IT CONTAINS MAY NOT BE REPRODUCED OR USED FOR OTHER THAN THE SPECIFIC PROJECT FOR WHICH IT WAS PREPARED WITHOUT THE EXPLICIT
7 - FIRE AND SMOKE PROTECTION 9 - FIRE PROTECTION SYSTEMS AUTOMATIC SPRINKLER SYSTEM FIRE ALARM AND DETECTION SYSTEMS 10 - MEANS OF EGRESS DOOR EGRESS WIDTH	907	GREATER THAN 12,000, REQUIRED GREATER THAN 300 PEOPLE, REQUIRED	FIRE ALARM PROVIDED PROVIDED PROVIDED 180"	PROPERTY OF DRIVEN DESIGN. THE DOCUMENT & THE INFORMATION IT CONTAINS MAY NOT BE REPRODUCED OR USED FOR OTHER THAN THE SPECIFIC PROJECT FOR WHICH IT WAS PREPARED WITHOUT THE EXPLICIT
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7 - FIRE AND SMOKE PROTECTION 9 - FIRE PROTECTION SYSTEMS AUTOMATIC SPRINKLER SYSTEM FIRE ALARM AND DETECTION SYSTEMS 10 - MEANS OF EGRESS DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY OCCUPANCY - LEVEL 1 OCCUPANCY - LEVEL 2 OCCUPANCY - LEVEL 2 OCCUPANCY - LEVEL 3 OCCUPANCY - LEVEL 3 OCCUPANCY - LEVEL 4	7005.3.2 TABLE 10017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2	GREATER THAN 12,000, REQUIRED GREATER THAN 300 PEOPLE, REQUIRED 72" 250 FEET 2 EXITS 339 X .3 = 102" 6,616 SF / 200 1,870 SF / 15 1,022 SF / 100 999 SF / 60 6,062 SF / 100 6,062 SF / 100	FIRE ALARM PROVIDED PROVIDED PROVIDED 180" 105' - 4" 3 EXITS 102" 33 PEOPLE 124 PEOPLE 10 PEOPLE 60 PEOPLE 60 PEOPLE	PROPERTY OF DRIVEN DESIGN. THE DOCUMENT & THE INFORMATION IT CONTAINS MAY NOT BE REPRODUCED OR USED FOR OTHER THAN THE SPECIFIC PROJECT FOR WHICH IT WAS PREPARED WITHOUT THE EXPLICIT CONSENT OF DRIVEN DESIGN. PROJECT NAME SOUTHWEST MICHIGAN ACCELERATO KITCHEN PROJECT ADDRESS 30 E VAN BUREN ST, BATTLE CREEK, MI CLIENT ALPHA CENTER EDA PROJECT # ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-0
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PROJECT NUMBER 2020.45

> CODE COMPLIANCE T003





DISHWA\$HING

1,10

109

STAGING

PANTRY

107

TRAVEL DISTANCE: 58' - 6"

STAIRS

111

REFRIGERATORS

113

n MEN'S RR

117/

WOMEN'S [

115/

STAIRS

100

ALLERGEN

TRAVEL DISTANCE: 105' - 4"

KITCHEN

114

KITCHEN 2

120

123

LOADING/ **UNLOADING**

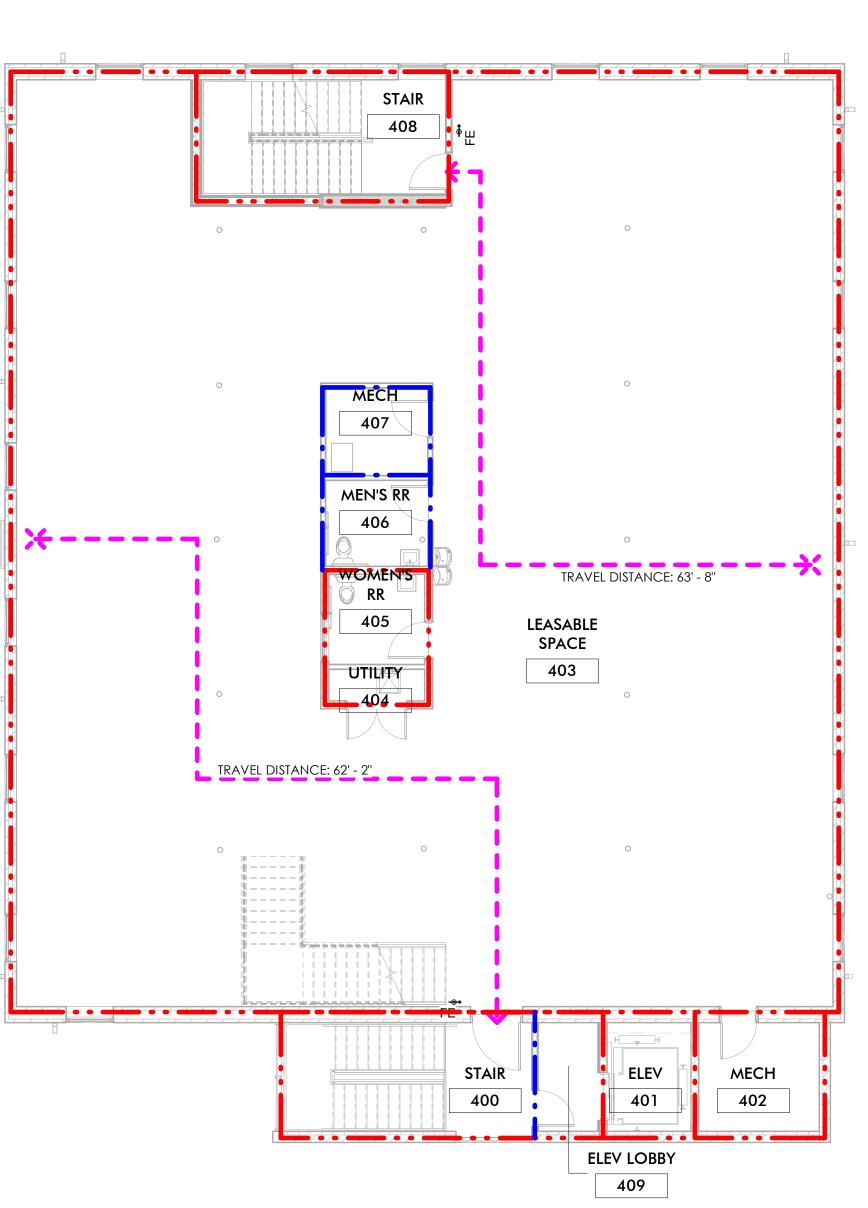
103



CODE COMPLIANCE GENERAL NOTES

- 1. REFER TO ELECTRICAL DRAWINGS FOR EGRESS LIGHTING AND FIRE ALARM LOCATIONS.
- 2. ENSURE EXIT SIGNS ARE MOUNTED ABOVE THE DOORS AND VISIBLE FROM 75 FEET AWAY. ALL EGRESS LIGHTING IS TO POINT DOWN TO ILLUMINATE THE EGRESS PATH OF TRAVEL.
- 3. ALL FIRE EXTINGUISHERS ARE TO BE ABC EXTINGUISHERS, UNLESS NOTED OTHERWISE. ALL EXTINGUISHERS ARE TO BE TAGGED WITH THE CURRENT YEAR'S INSPECTION ON IT. ANNUAL INSPECTIONS ARE TO OCCUR FOR ALL FIRE EXTINGUISHERS.
- 4. PROVIDE ADA RESTROOM SIGNS AT ALL RESTROOMS, COORESPONDING TO THE CORRECT SEX.
- 5. SEE T002 FOR MOUNTING HEIGHTS AND LOCATIONS
- 6. FURNITURE AND EQUIPMENT SHOWN ON COMPLIANCE DRAWINGS ARE FOR REFERENCE ONLY

COMPLIANCE LEGEND	
SYMBOL	ITEM
∃E ◆	FIRE EXTINGUISHER
△	EXIT SIGN W/ EGRESS LIGHTS
	EGRESS LIGHTING
	TRAVEL DISTANCE
	1 HOUR WALL
	2 HOUR WALL
SD	SMOKE DETECTOR
<u>-</u>	CARBON MONOXIDE DETECTO



TOPIC	SECTION	OMPLIANO ALLOWED/REQUIRED	CE	DRIVEN DESIGN
	1	, 1,5	,	
PPLICABLE CODES 115 MICHIGAN BUILDING CODE 115 MICHIGAN MECHANICAL ODE				ARCHITECT Driven Design Studio PLLC
015 MICHIGAN PLUMBING CODE 015 MICHIGAN REHABILITATION ODE	505	LEVEL 3 ALTERATION	INTERIOR RENOVATION + EXTERIOR ADDITION	117 West Michigan Avenue Battle Creek, MI 49017
017 NATIONAL ELECTRICAL CODE CCESSIBLE AND USABLE BUILDINGS ND FACILITIES CODE (BARRIER FREE ODE) ICC/ANSI 117.1 2009				(269) 753-8040 cody@drivendesignstudio.com OWNER
FPA 13 (2013)				Diocese of Kalamazoo
FPA 72 (2013) DNING DNING	CITY OF BATTLE CREEK		T-4 DOWNTOWN COMMERCIAL DISTRICT	215 N Westnedge Ave Kalamazoo, MI
- SCOPE AND ADMIN EFERRED SUBMITTALS	107.3.4.1		FIRE SUPPRESSION, CONCRETE MIX, HVAC SUBMITTALS WILL BE SUBMITTED LATER	dunco61@gmail.com BATTLE CREEK
ESIGN PROFESSIONAL IN CHARGE	107.3.4		CODY NEWMAN IS TO BE THE DESIGN PROFESSIONAL IN CHARGE	OWNER OWNER
PECIAL INSPECTIONS	110		KITCHEN HOOD, FOOTINGS, AND FIRE SUPRESSION/ALARM INSPECTIONS WILL BE REQUIRED	Battle Creek Unlimited 4950 W. Dickman Rd., Suite 1 Battle Creek, MI 49037
- USE JILDING USE	303 + 304	BEFORE - VACANT	AFTER - A-2 (ASSEMBLY)+ B	(269) 962-7526
- AREA BY USE			(BUSINESS)	gibson@bcunlimited.org
-2 ASSEMBLY - LEVEL 2			1,870 SF	MACMILLAN ASSOCIATES CONSULTING ENGINEERS
- BUSINESS - UPPER LEVELS			13,098 SF	<u>ENGINEERING</u>
BUSINESS - LEVEL 2 OMMERCIAL KITCHEN			989 SF 2,828 SF	MacMillan Associates
- MERCANTILE			999 SF	714 E Midland Street
- GROSS BUILDING AREA EVEL 1			6,616 SF	Bay City, MI 48706
EVEL 2			6,616 SF	(989) 894-4300
EVEL 3 EVEL 4			6,062 SF 6,062 SF	rmoulton@macmillanassociates.com
EVEL 5			3,676 SF	FOOD CONSULTANT
OTAL - GENERAL BUILDING HEIGHTS AND	ARFAS		29,032 SF	JRA Food Services Consultants_
LLOWABLE BUILDING HEIGHT ASE STORIES ALLOWED	TABLE 504.3 TABLE	160 FEET	39' - 9" 5 STORIES	401 Hall St. SW. 234 Grand Rapids, MI
	504.4		00, 000 05	(616) 454-4433
ABULAR AREA	TABLE 506.2	UNLIMITED	29, 032 SF	jimr@jrafoodservicedesign.com
- TYPE OF CONSTRUCTION 'PE OF CONSTRUCTION	TABLE 601		I-B	
- FIRE AND SMOKE PROTECTION	TABLE 001	FIRE ALARM REQUIRED	FIRE ALARM PROVIDED	THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF DRIVEN DESIGN. THE DOCUMENT & THE INFORMATION IT
- FIRE PROTECTION SYSTEMS UTOMATIC SPRINKLER SYSTEM	903.2.1.3	GREATER THAN 12,000,	PROVIDED	ONTAINS MAY NOT BE REPRODUCED OR USED FOR OTHER THAN THE
	703.2.1.3	OKE, (IEK III) (I 1 12,000)		SPECIFIC PROJECT FOR WHICH IT WAS
DE ALADAA AND DETECTION		REQUIRED	DROVIDED	
RE ALARM AND DETECTION (STEMS	907		PROVIDED	PREPARED WITHOUT THE EXPLICIT CONSENT OF DRIVEN DESIGN.
'STEMS) - MEANS OF EGRESS	907	REQUIRED GREATER THAN 300 PEOPLE, REQUIRED		PREPARED WITHOUT THE EXPLICIT
'STEMS	907 1005.3.2 TABLE	REQUIRED GREATER THAN 300	PROVIDED 180" 105' - 4"	PREPARED WITHOUT THE EXPLICIT
'STEMS) - MEANS OF EGRESS OOR EGRESS WIDTH	907 1005.3.2 TABLE 1017.2 TABLE	REQUIRED GREATER THAN 300 PEOPLE, REQUIRED 72"	180"	PREPARED WITHOUT THE EXPLICIT
OF EGRESS OOR EGRESS WIDTH KIT ACCESS TRAVEL DISTANCE	907 1005.3.2 TABLE 1017.2	REQUIRED GREATER THAN 300 PEOPLE, REQUIRED 72" 250 FEET	180" 105' - 4"	PREPARED WITHOUT THE EXPLICIT
ASTEMS O - MEANS OF EGRESS OOR EGRESS WIDTH KIT ACCESS TRAVEL DISTANCE UMBER OF EXITS FAIR EGRESS WIDTH O - OCCUPANCY	907 1005.3.2 TABLE 1017.2 TABLE 1006.3.1 1005.3.1	REQUIRED GREATER THAN 300 PEOPLE, REQUIRED 72" 250 FEET 2 EXITS 339 X .3 = 102"	180" 105' - 4" 3 EXITS	PREPARED WITHOUT THE EXPLICIT
'STEMS D - MEANS OF EGRESS OOR EGRESS WIDTH KIT ACCESS TRAVEL DISTANCE UMBER OF EXITS FAIR EGRESS WIDTH	907 1005.3.2 TABLE 1017.2 TABLE 1006.3.1	REQUIRED GREATER THAN 300 PEOPLE, REQUIRED 72" 250 FEET 2 EXITS	180" 105' - 4" 3 EXITS	PREPARED WITHOUT THE EXPLICIT CONSENT OF DRIVEN DESIGN. PROJECT NAME
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CSTEMS O - MEANS OF EGRESS OOR EGRESS WIDTH KIT ACCESS TRAVEL DISTANCE UMBER OF EXITS FAIR EGRESS WIDTH O - OCCUPANCY CCUPANCY - LEVEL 1	907 1005.3.2 TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2 TABLE 1004.1.2 TABLE	REQUIRED GREATER THAN 300 PEOPLE, REQUIRED 72" 250 FEET 2 EXITS 339 X .3 = 102"	180" 105' - 4" 3 EXITS 102"	PREPARED WITHOUT THE EXPLICIT CONSENT OF DRIVEN DESIGN. PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR
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CSTEMS O - MEANS OF EGRESS OOR EGRESS WIDTH (IT ACCESS TRAVEL DISTANCE UMBER OF EXITS FAIR EGRESS WIDTH O - OCCUPANCY CCUPANCY - LEVEL 1 CCUPANCY - LEVEL 2 CCUPANCY - LEVEL 2 CCUPANCY - LEVEL 2	7005.3.2 TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2 TABLE 1004.1.2 TABLE 1004.1.2 TABLE 1004.1.2	REQUIRED GREATER THAN 300 PEOPLE, REQUIRED 72" 250 FEET 2 EXITS 339 X .3 = 102" 6,616 SF / 200 1,870 SF / 15 1,022 SF / 100 999 SF / 60	180" 105' - 4" 3 EXITS 102" 33 PEOPLE 124 PEOPLE 10 PEOPLE 16 PEOPLE	PREPARED WITHOUT THE EXPLICIT CONSENT OF DRIVEN DESIGN. PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR KITCHEN PROJECT ADDRESS 30 E VAN BUREN ST, BATTLE CREEK, MI
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PROJECT NUMBER
2020.45

CODE COMPLIANCE

T004

ELEV LOBBY

300

TRAVEL DISTANCE: 63' - 8"

LEASABLE SPACE 303

STAIR

308

WOMEN'S

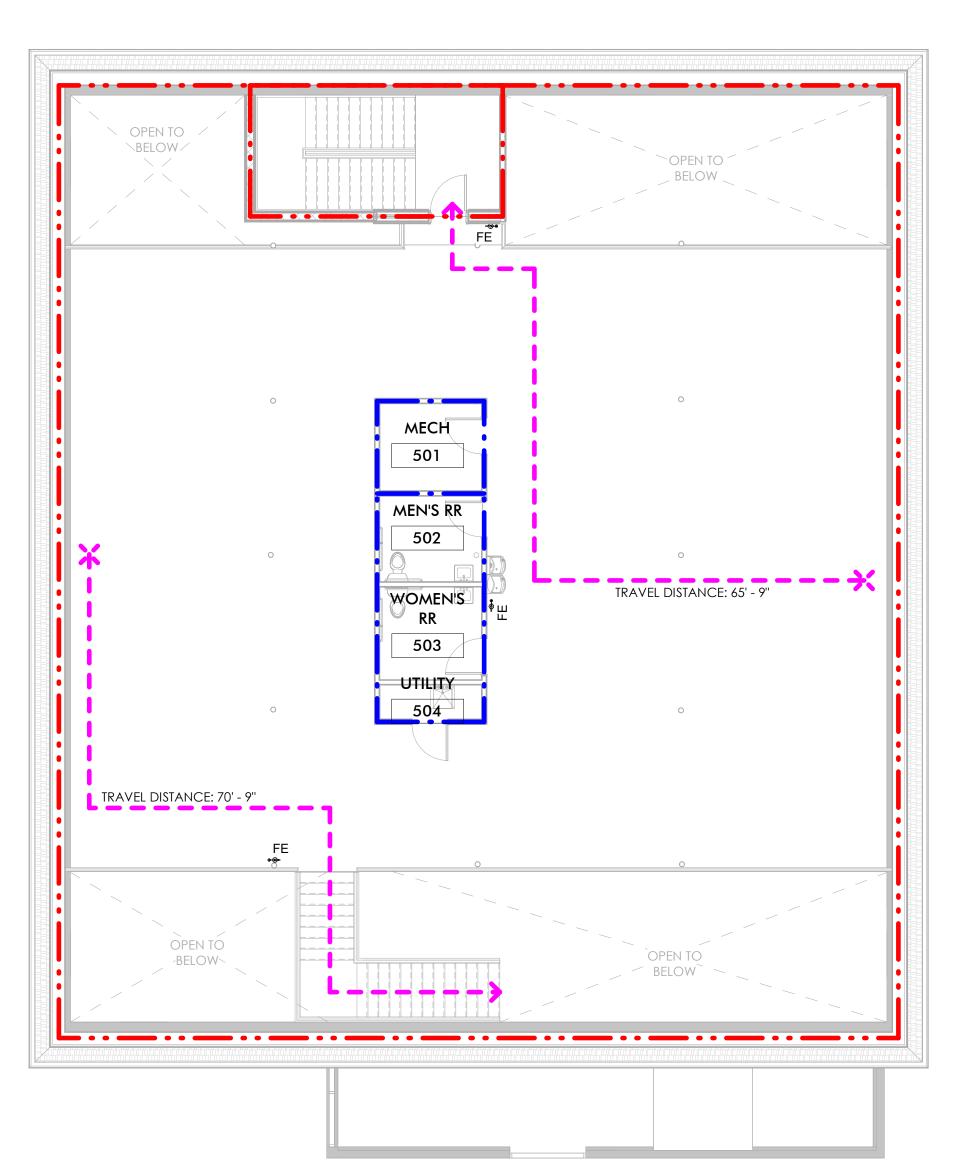
305

TRAVEL DISTANCE: 62' - 2"

LEVEL 3 COMPLIANCE PLAN

1/8" = 1'-0"

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1 LEVEL 5 COMPLIANCE PLAN 1/8" = 1'-0"

CODE COMPLIANCE GENERAL NOTES

- 1. REFER TO ELECTRICAL DRAWINGS FOR EGRESS LIGHTING AND FIRE ALARM LOCATIONS.
- 2. ENSURE EXIT SIGNS ARE MOUNTED ABOVE THE DOORS AND VISIBLE FROM 75 FEET AWAY. ALL EGRESS LIGHTING IS TO POINT DOWN TO ILLUMINATE THE EGRESS PATH OF TRAVEL.
- 3. ALL FIRE EXTINGUISHERS ARE TO BE ABC EXTINGUISHERS, UNLESS NOTED OTHERWISE. ALL EXTINGUISHERS ARE TO BE TAGGED WITH THE CURRENT YEAR'S INSPECTION ON IT. ANNUAL INSPECTIONS ARE TO OCCUR FOR ALL FIRE EXTINGUISHERS.
- 4. PROVIDE ADA RESTROOM SIGNS AT ALL RESTROOMS, COORESPONDING TO THE CORRECT SEX.
- 5. SEE TOO2 FOR MOUNTING HEIGHTS AND LOCATIONS
- 6. FURNITURE AND EQUIPMENT SHOWN ON COMPLIANCE DRAWINGS ARE FOR REFERENCE ONLY

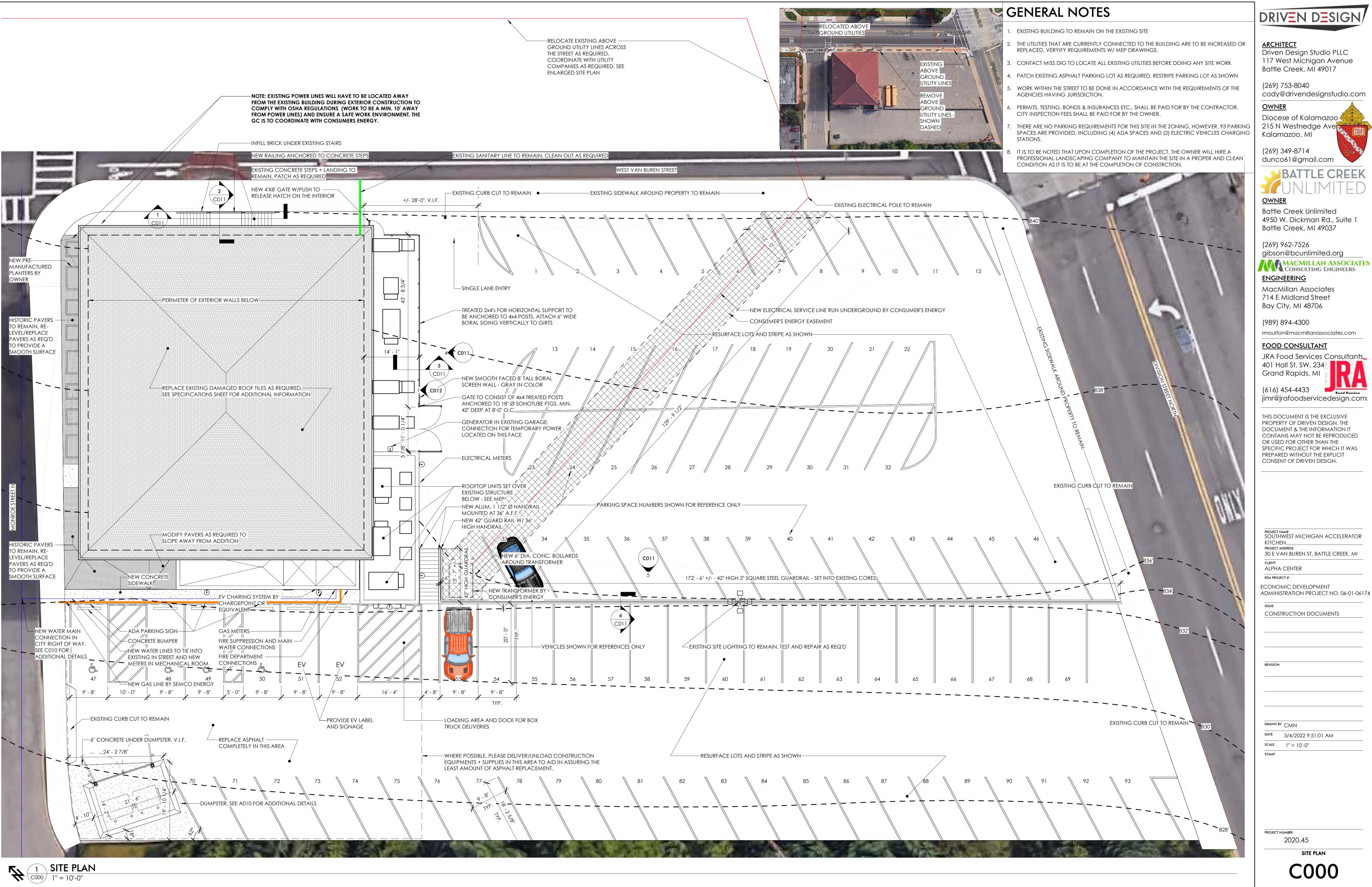
ITEM
FIRE EXTINGUISHER
EXIT SIGN W/ EGRESS LIGHTS
EGRESS LIGHTING
TRAVEL DISTANCE
1 HOUR WALL
2 HOUR WALL
SMOKE DETECTOR
CARBON MONOXIDE DETECTO

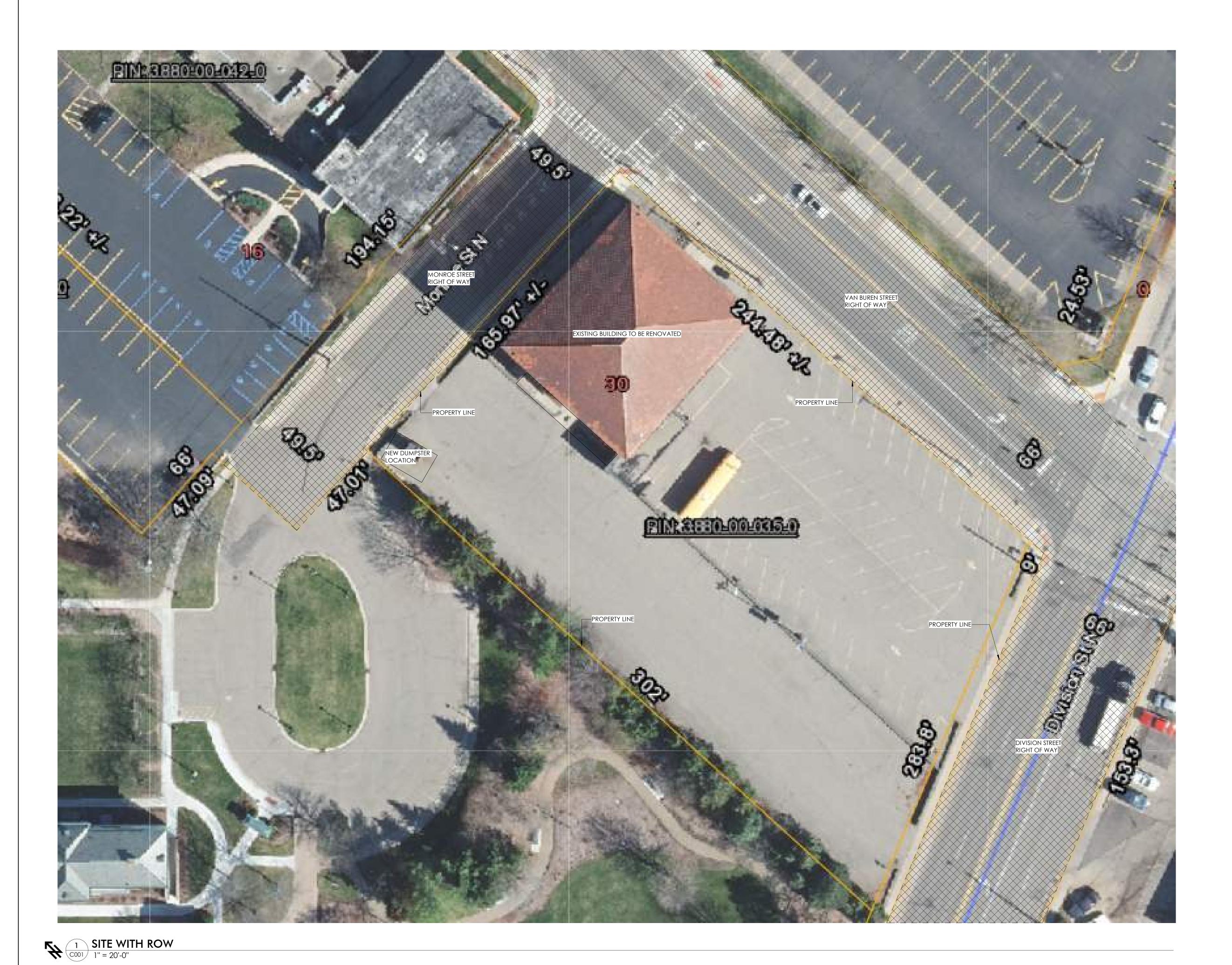
		OMPLIANC ALLOWED (BEGLINEED		DRIVEN DESIGN
TOPIC	SECTION	ALLOWED/REQUIRED	ACTUAL	
APPLICABLE CODES 2015 MICHIGAN BUILDING CODE 2015 MICHIGAN MECHANICAL				ARCHITECT
CODE				Driven Design Studio PLLC 117 West Michigan Avenue
2015 MICHIGAN PLUMBING CODE 2015 MICHIGAN REHABILITATION CODE	505	LEVEL 3 ALTERATION	INTERIOR RENOVATION + EXTERIOR ADDITION	Battle Creek, MI 49017
2017 NATIONAL ELECTRICAL CODE ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES CODE (BARRIER FREE CODE) ICC/ANSI 117.1 2009				(269) 753-8040 cody@drivendesignstudio.com
NFPA 13 (2013)				OWNER Diocese of Kalamazoo
NFPA 72 (2013) ZONING				215 N Westnedge Ave
ZONING	CITY OF BATTLE CREEK		T-4 DOWNTOWN COMMERCIAL DISTRICT	Kalamazoo, MI
I - SCOPE AND ADMIN DEFERRED SUBMITTALS	107.3.4.1		FIRE SUPPRESSION,	(269) 349-8714 dunco61@gmail.com
SELEKKED SODIVITIALS	107.3.4.1		CONCRETE MIX, HVAC SUBMITTALS WILL BE SUBMITTED LATER	BATTLE CREEK
DESIGN PROFESSIONAL IN CHARGE	107.3.4		CODY NEWMAN IS TO BE THE DESIGN PROFESSIONAL IN CHARGE	OWNER OWNER
SPECIAL INSPECTIONS	110		KITCHEN HOOD, FOOTINGS, AND FIRE SUPRESSION/ALARM	Battle Creek Unlimited 4950 W. Dickman Rd., Suite 1
3 - USE			INSPECTIONS WILL BE REQUIRED	Battle Creek, MI 49037
BUILDING USE	303 + 304	BEFORE - VACANT	AFTER - A-2 (ASSEMBLY)+ B (BUSINESS)	(269) 962-7526 gibson@bcunlimited.org
3 - AREA BY USE	1	<u> </u>	,	MACMILLAN ASSOCIATES
A-2 ASSEMBLY - LEVEL 2 3 - BUSINESS - UPPER LEVELS			1,870 SF 13,098 SF	CONSULTING ENGINEERS ENGINEERING
B BUSINESS - LEVEL 2 COMMERCIAL KITCHEN			989 SF 2,828 SF	MacMillan Associates
M - MERCANTILE			999 SF	714 E Midland Street
3 - GROSS BUILDING AREA LEVEL 1			6,616 SF	Bay City, MI 48706
EVEL 2			6,616 SF 6,062 SF	(989) 894-4300
LEVEL 4			6,062 SF	rmoulton@macmillanassociates.com
LEVEL 5 TOTAL			3,676 SF 29,032 SF	FOOD CONSULTANT
5 - GENERAL BUILDING HEIGHTS AND		140 5557		JRA Food Services Consultants
BASE STORIES ALLOWED	TABLE 504.3 TABLE	160 FEET 12 STORIES	39' - 9" 5 STORIES	401 Hall St. SW. 234 Grand Rapids, MI
TABULAR AREA	504.4 TABLE 506.2	UNLIMITED	29, 032 SF	(616) 454-4433 jimr@jrafoodservicedesign.com
6 - TYPE OF CONSTRUCTION TYPE OF CONSTRUCTION	TABLE 601		I-B	THE DOOL SELECTION OF SELECTION
7 - FIRE AND SMOKE PROTECTION		FIRE ALARM REQUIRED	FIRE ALARM PROVIDED	THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF DRIVEN DESIGN. THE
9 - FIRE PROTECTION SYSTEMS AUTOMATIC SPRINKLER SYSTEM	903.2.1.3	GREATER THAN 12,000, REQUIRED	PROVIDED	DOCUMENT & THE INFORMATION IT CONTAINS MAY NOT BE REPRODUCED OR USED FOR OTHER THAN THE
FIRE ALARM AND DETECTION SYSTEMS	907	GREATER THAN 300 PEOPLE, REQUIRED	PROVIDED	SPECIFIC PROJECT FOR WHICH IT WAS PREPARED WITHOUT THE EXPLICIT CONSENT OF DRIVEN DESIGN.
10 - MEANS OF EGRESS				——————————————————————————————————————
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE	1005.3.2 TABLE 1017.2	72" 250 FEET	180" 105' - 4"	
number of exits	TABLE 1006.3.1	2 EXITS	3 EXITS	
STAIR EGRESS WIDTH 10 - OCCUPANCY	1005.3.1	339 X .3 = 102"	102"	
OCCUPANCY - LEVEL 1	TABLE 1004.1.2	6,616 SF / 200	33 PEOPLE	PROJECT NAME
OCCUPANCY - LEVEL 2	TABLE 1004.1.2	1,870 SF / 15	124 PEOPLE	SOUTHWEST MICHIGAN ACCELERATOR KITCHEN
OCCUPANCY - LEVEL 2	TABLE	1,022 SF / 100	10 PEOPLE	PROJECT ADDRESS 30 E VAN BUREN ST, BATTLE CREEK, MI
OCCUPANCY - LEVEL 2	1004.1.2 TABLE	999 SF / 60	16 PEOPLE	CLIENT ALPHA CENTER
OCCUPANCY - LEVEL 3	1004.1.2 TABLE	6,062 SF / 100	60 PEOPLE	EDA PROJECT #
OCCUPANCY - LEVEL 4	1004.1.2 TABLE	6,062 SF / 100	60 PEOPLE	ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174
OCCUPANCY - LEVEL 5	1004.1.2 TABLE 1004.1.2	3,676 SF / 100	36 PEOPLE	
TOTAL OCCUPANT LOAD	TABLE 1004.1.2		339 PEOPLE	CONSTRUCTION DOCUMENTS
15 - ROOF ASSEMBLY	1501.1		SPANISH TILE ROOF TO BE	
27 - ELECTRICAL			REPAIRED	
EMERGENCY LIGHTING	1008.1	WILL COMPLY	ON COMPLIANCE DRAWINGS	REVISION
EMERGENCY POWER	1008.3.2,1	WILL COMPLY	ON COMPLIANCE DRAWINGS	
EXIT SIGNS	1011.1	WILL COMPLY	ON COMPLIANCE DRAWINGS	
28 - PLUMBING DRINKING FOUNTAIN REQUIREMENTS	TABLE	1 REQUIRED PER	1 PROVIDED PER FLOOR	
AVATORY REQUIREMENTS	403.1 TABLE	FLOOR 1 MALE / 1 FEMALE PER		DRAWN BY CMN
SERVICE SINK REQUIREMENTS	403.1 TABLE	FLOOR	FLOOR 1 PROVIDED PER FLOOR	DATE 1/15/2022 7:25:49 PM
WATER CLOSETS REQUIREMENTS	403.1 TABLE	2 MALE / 2 FEMALE PER		scale As indicated
	403.1	FLOOR	FLOOR	STAMP

PROJECT NUMBER
2020.45

CODE COMPLIANCE

T005







REVISION

DRAWN BY CMN

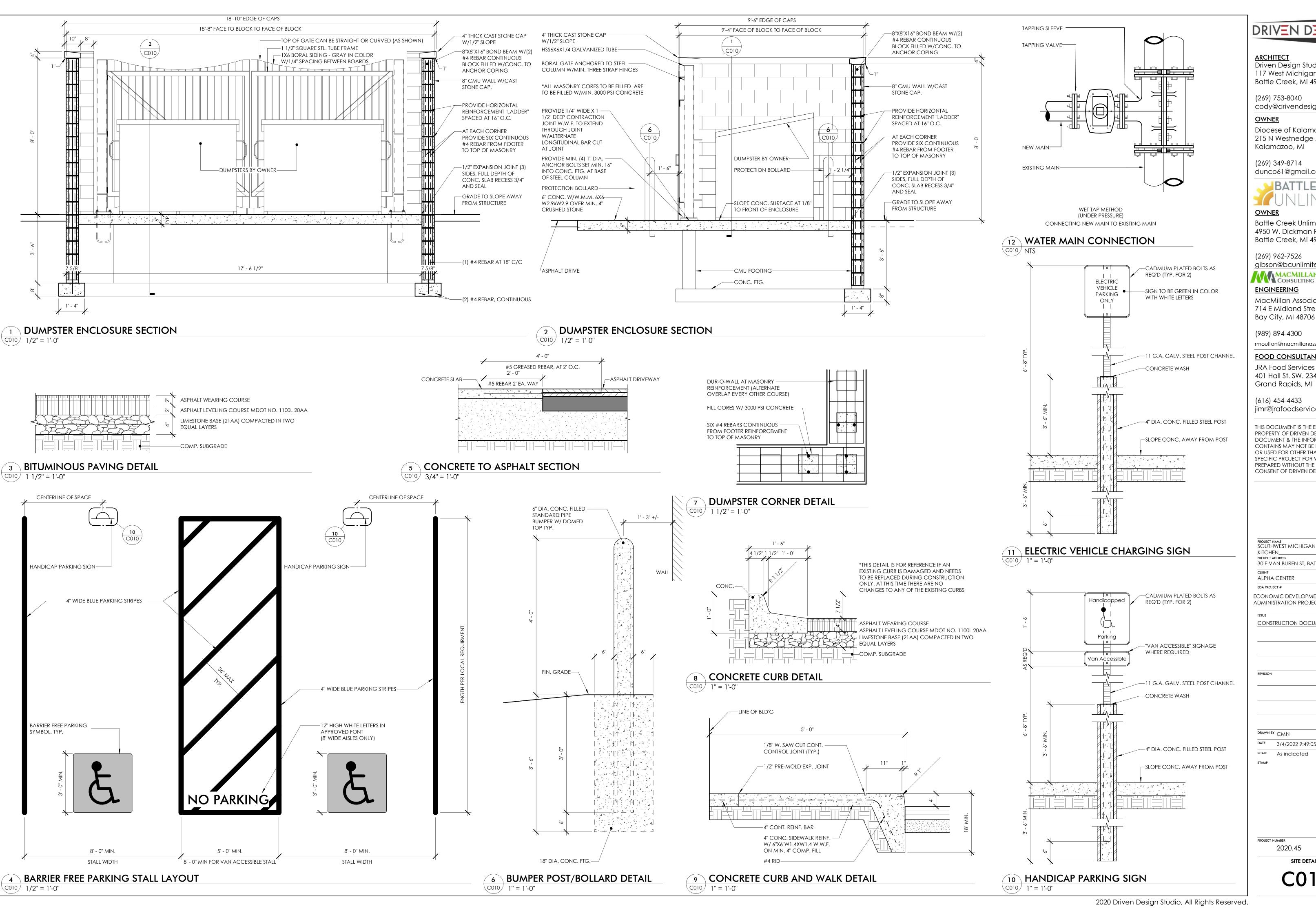
DATE 1/15/2022 7:26:34 PM

SCALE 1" = 20'-0"

PROJECT NUMBER 2020.45

OVERALL SITE PLAN

C001



DRIVEN DESIGN/

<u>ARCHITECT</u>

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CONSULTING ENGINEERS

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rmoulton@macmillanassociates.com

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JRA Food Services Consultants_ 401 Hall St. SW. 234 Grand Rapids, MI

(616) 454-4433 jimr@jrafoodservicedesign.com

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PROJECT NAME
SOUTHWEST MICHIGAN ACCELERATOR PROJECT ADDRESS

30 E VAN BUREN ST, BATTLE CREEK, MI ALPHA CENTER

EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

CONSTRUCTION DOCUMENTS

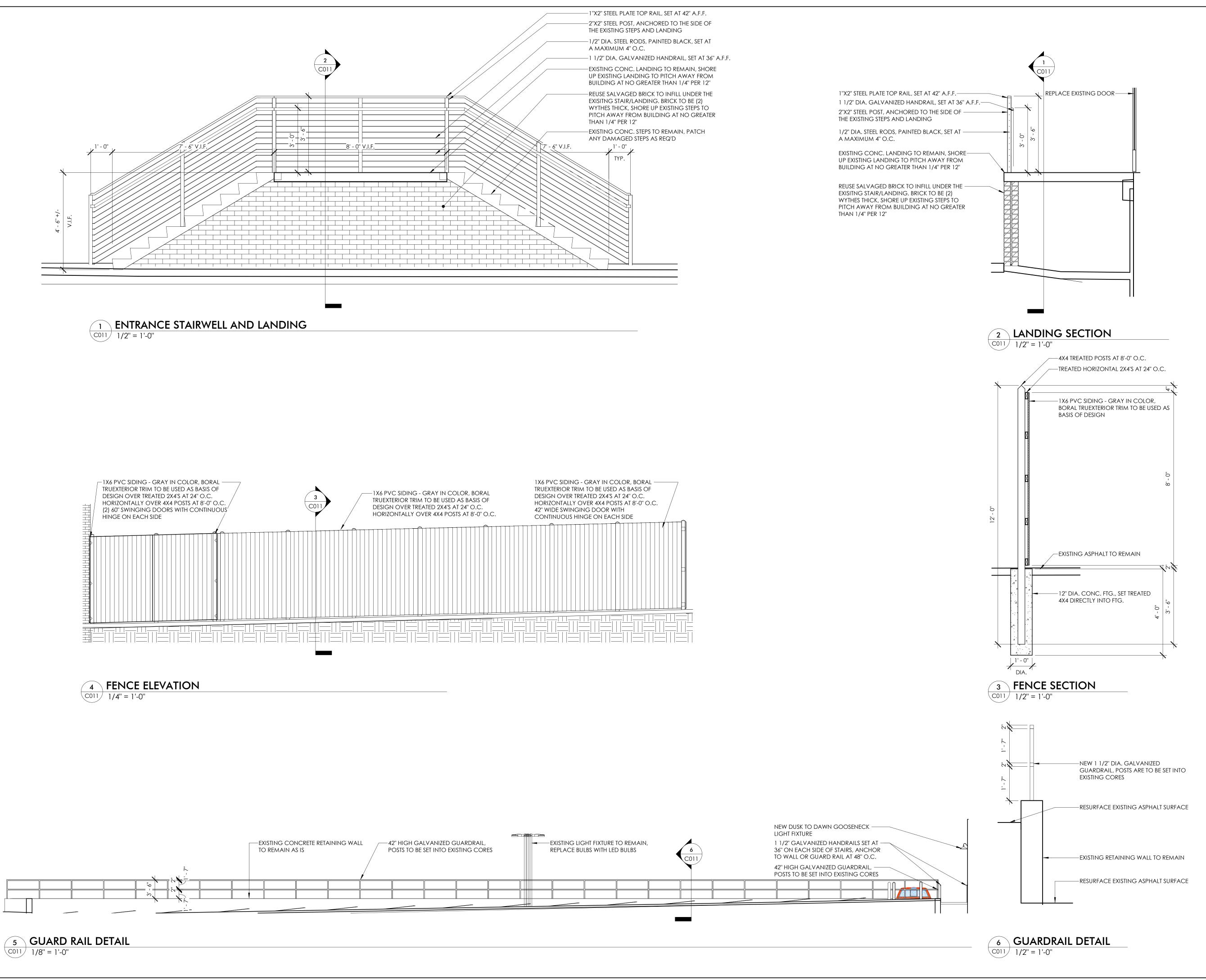
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3/4/2022 9:49:05 AM SCALE As indicated

PROJECT NUMBER 2020.45

C010

SITE DETAILS



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PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR PROJECT ADDRESS 30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER

EDA PROJECT # ECONOMIC DEVELOPMENT

ADMINISTRATION PROJECT NO. 06-01-06174

CONSTRUCTION DOCUMENTS

DRAWN BY CMN 1/15/2022 7:26:42 PM

SCALE As indicated

PROJECT NUMBER 2020.45

C011

RAMP & FENCE DETAILS

Suck

OMB Number: 0610-0096 Expiration Date: 11/30/2021

EDA PROJECT SIGN

The Contractor shall supply, erect, and maintain in good condition a project sign according to the specifications set forth below:

EDA SITE SIGN SPECIFICATIONS

Size: 4' x 8' x 3/4"

Materials: Exterior grade/MDO plywood (APA rating A-B)

Supports: 4" x 4" x 12' posts with 2" x 4" cross branching

Erection: Posts shall be set a minimum of three feet deep in concrete footings that are at least 12"

Outdoor enamel

Jet Black, Blue (PMS300), and Gold (PMS7406). Specifically, on white background the

The U. S. Department of Commerce seal in blue, black, and gold;

"EDA" in blue;

"U. S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT

ADMINISTRATION" in black:

"In partnership with" in blue;

(Actual name of the) "EDA Grant Recipient" in black;

Lettering: Specific fonts are named below; positioning will be as shown on the attached illustration.

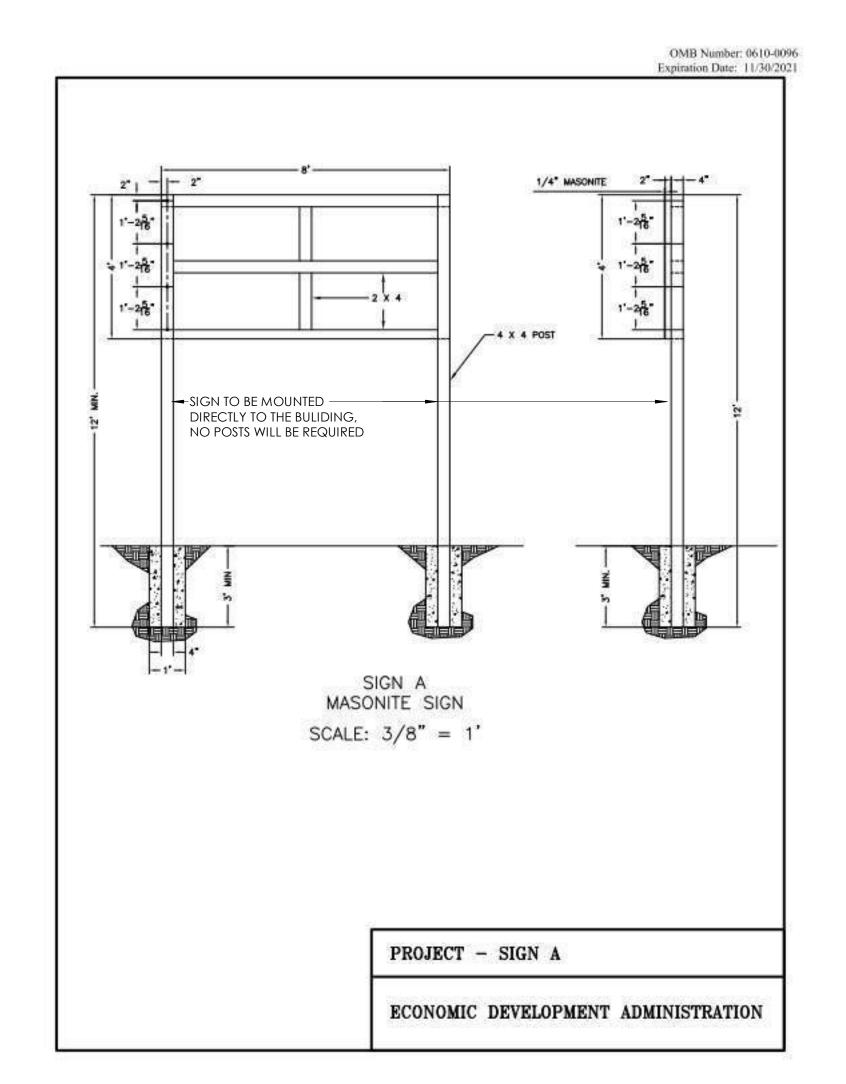
"U. S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT ADMINISTRATION" use Bank Gothic Medium - BANK GOTHIC MED

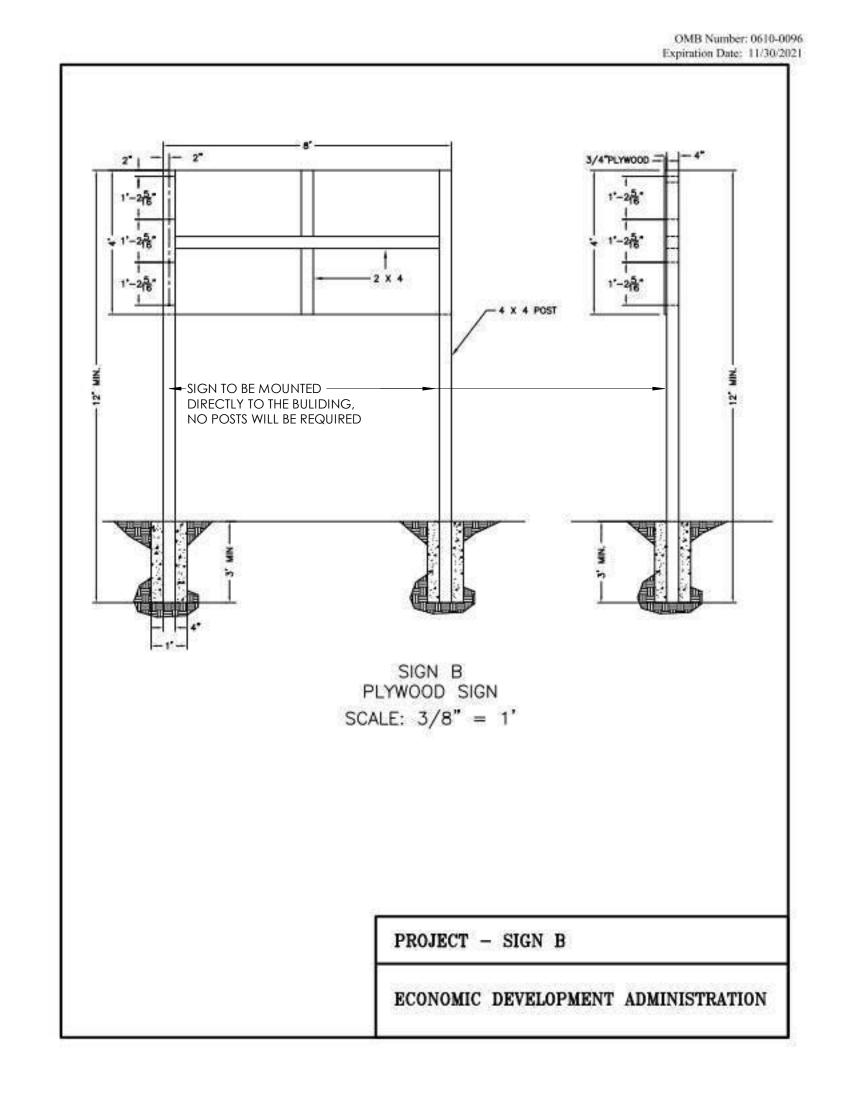
"In partnership with" use Univers TM 55 Oblique - Univers 55

(Name of) "EDA Grant Recipient" use Univers Extra Black 85 Univers 85

Project signs will not be erected on public highway rights-of-way. If any possibility exists for obstruction to traffic line of sight, the location and height of the sign will be coordinated with the agency responsible for highway or street safety in the area.

The EDA Regional Director may permit modifications to these specifications if they conflict with state law or local ordinances.





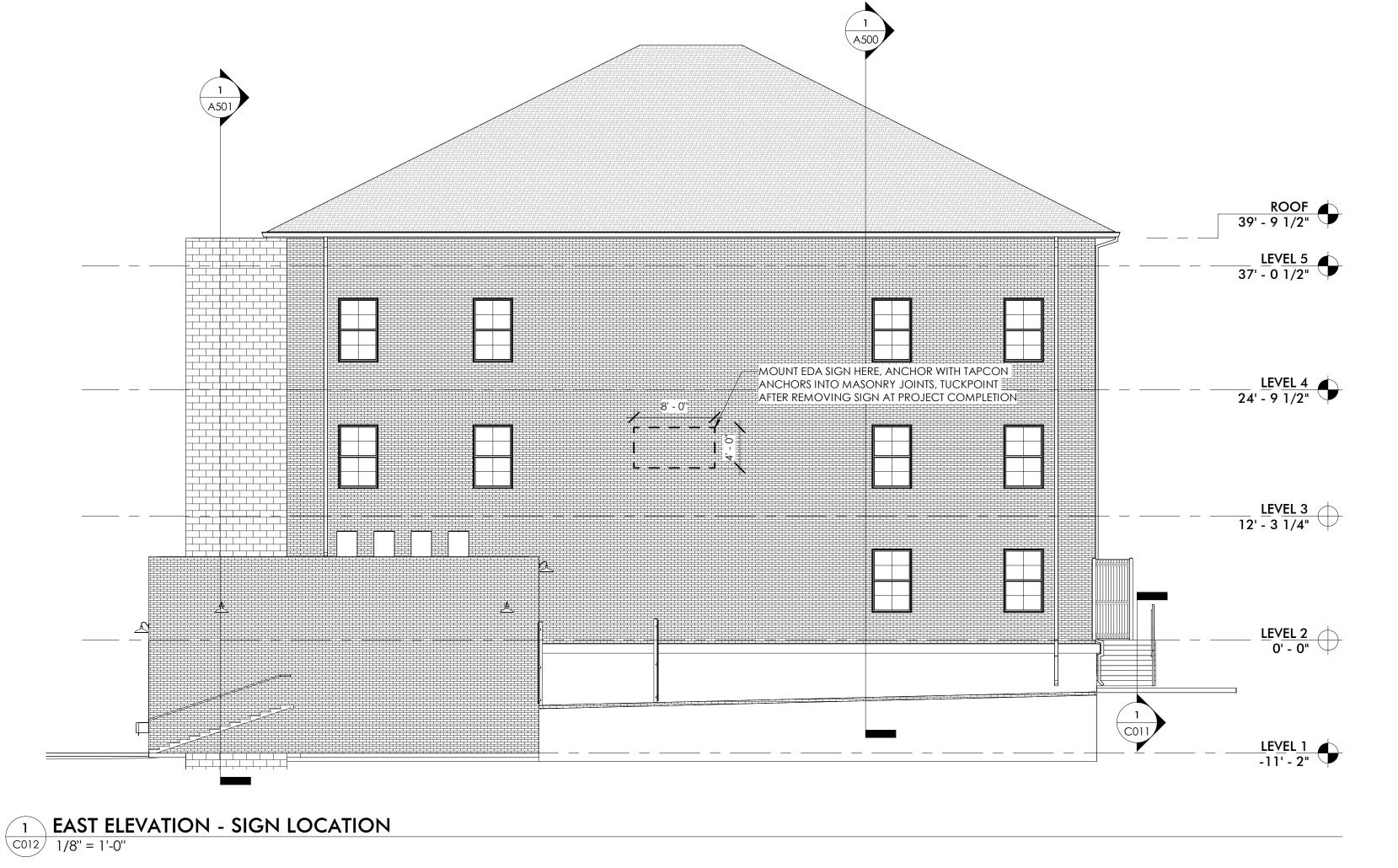


U.S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT ADMINISTRATION

In partnership with

<EDA Grant Recipient Name>





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PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR KITCHEN_____ PROJECT ADDRESS 30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER EDA PROJECT #

ECONOMIC DEVELOPMENT

CONSTRUCTION DOCUMENTS

ADMINISTRATION PROJECT NO. 06-01-0617

DRAWN BY CMN DATE 1/15/2022 7:26:47 PM

SCALE 1/8" = 1'-0"

2020.45

C012

LEVEL 1 EXISTING PLAN

1/8" = 1'-0"





1. EXISTING PLANS ARE SHOWN FOR REFERENCE ONLY.

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PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR

CLIENT ALPHA CENTER EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

CONSTRUCTION DOCUMENTS

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PROJECT NUMBER 2020.45

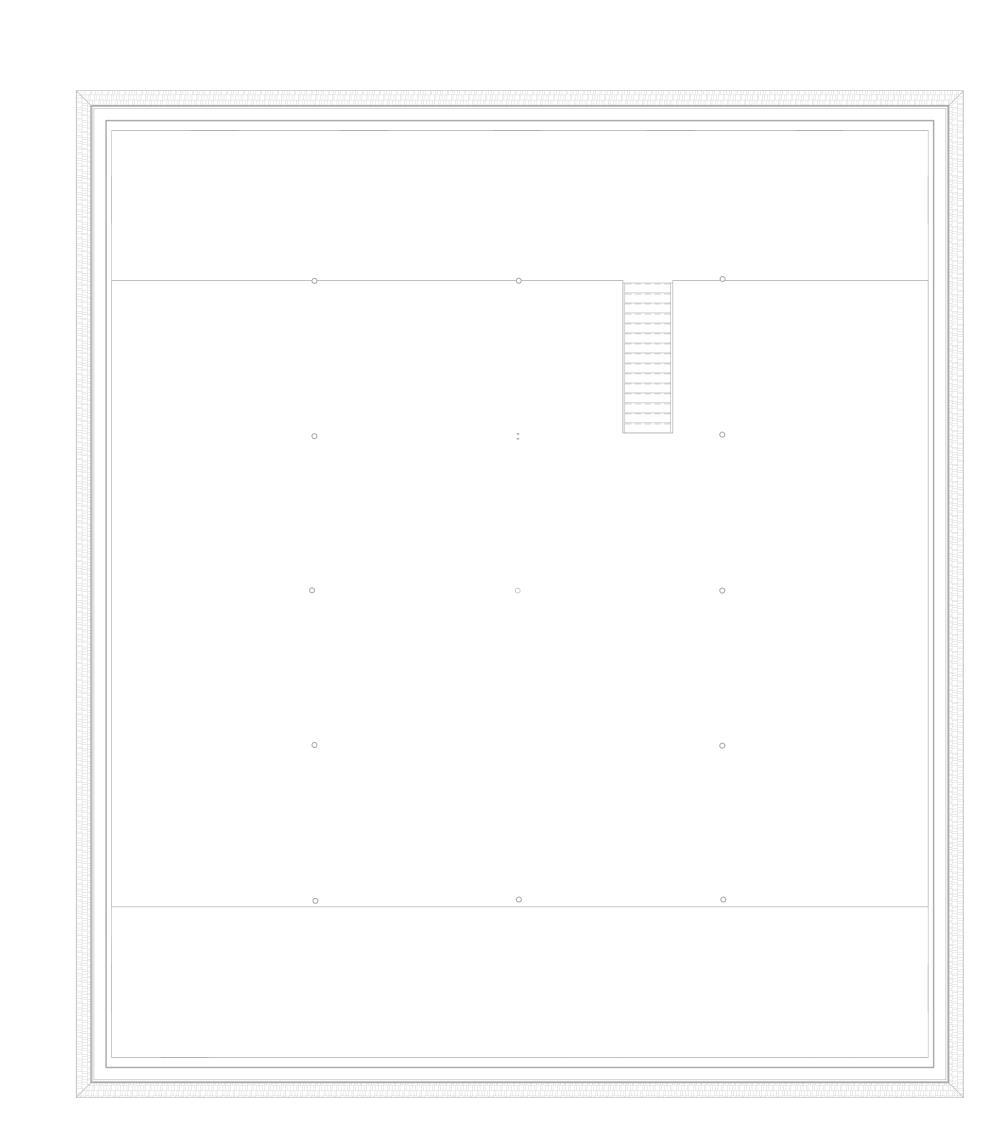
EXISTING FLOOR PLANS

A100

GENERAL NOTES

1. EXISTING PLANS ARE SHOWN FOR REFERENCE ONLY.

0	0	0
0	:	
0	0	0
0		0
0	0	0









DRIVEN DESIGN

<u>ARCHITECT</u>

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cody@drivendesignstudio.com

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<u>OWNER</u>

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PROJECT NAME
SOUTHWEST MICHIGAN ACCELERATOR
KITCHEN_
PROJECT ADDRESS
30 E VAN BUREN ST, BATTLE CREEK, MI

CLIENT
ALPHA CENTER
EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

CONSTRUCTION DOCUMENTS

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DATE 1/15/2022 7:26:54 PM

SCALE 1/8" = 1'-0"

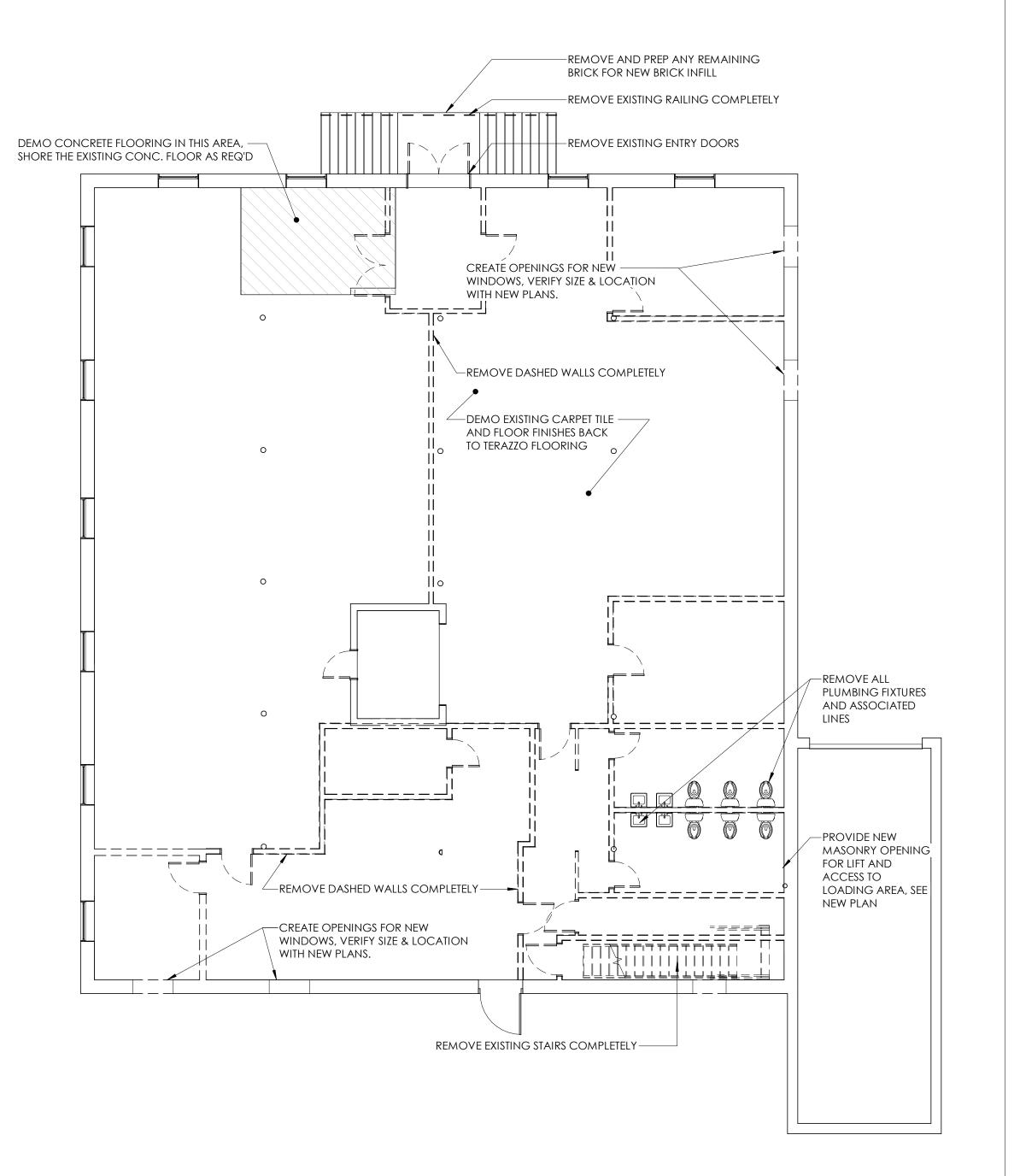
STAMP

PROJECT NUMBER 2020.45

EXISTING FLOOR PLANS

A101

REMOVE EXISTING CONCRETE FLOOR COMPLETELY DASHED WALLS TO BE REMOVED COMPLETELY— -REMOVE EXISTING CONCRETE FLOOR COMPLETELY -REMOVE EXISTING COVERED ENTRY REMOVE EXISTING FIRE SUPPRESSION -RISER AND LINES COMPLETELY -REMOVE EXISTING PLANTER REMOVE EXISTING COVERED ENTRY -REMOVE PORTIONS OF -ALIGN CUT WITH CORNER OF 2' - 6" 8' - 0" EXISTING BUILDING REMOVE PORTION OF EXISTING WALL IN -PREPARATION FOR NEW DOOR - SEE SCHEDULE LEVEL 1 DEMOLITION PLAN 1/8" = 1'-0"



LEVEL 2 DEMOLITION PLAN

1/8" = 1'-0"

- REMOVE ALL DASHED WALLS, WINDOWS, AND DOORS COMPLETELY.
- 2. PATCH AND FILL ANY HOLES IN THE WALL CAUSED BY THE REMOVAL OF DOORS, WINDOWS, OR WALLS TO MATCH SURROUNDINGS.
- . CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL SURFACES NOT BEING REMODELED IN THE PROJECT AND IN THE PATH OF THE CONTRACTORS TRAVEL, SETUP AND/ OR PROJECT MATERIAL STORAGE. THE CONTRACTOR MUST RETURN THE AREAS DISTURBED AS REQUIRED
- . ANY HAZARDOUS MATERIALS ARE TO BE REMOVED BY A LICENSED PROFESSIONAL IN THE STATE OF MICHIGAN.
- . ALL SAFETY ISSUES RELATED TO DEMOLITION ARE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST COMPLY WITH ALL STATE, LOCAL, ENVIRONMENTAL AND LABOR LAWS DURING THE CONSTRUCTION OF THIS PROJECT.
- . SEQUENCE DEMOLITION WITH STRUCTURAL WORK TO ASSURE SAFETY, PROVIDE SHORING AS REQ'D TO ENSURE SAFE CONDITIONS EXIST. SHORING IS NOT SHOWN ON PLANS.
- 7. ALL TRADES TO COORDINATE BETWEEN ONE ANOTHER TO AVOID CONFLICTS.
- 8. ALL PLUMBING AND ELECTRICAL THAT IS REMOVED IS TO BE CAPPED.
- . SALVAGE ALL BRICK DURING DEMOLITION FOR PATCH WORK AND TO BE UTILIZED UNDER THE EXISTING ENTRY STAIRWELL.

DEMOLITION NOTES

FOR ACCESS TO ITS PRE-EXISTING CONDITION.

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Battle Creek, MI 49017

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PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR PROJECT ADDRESS 30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

CONSTRUCTION DOCUMENTS

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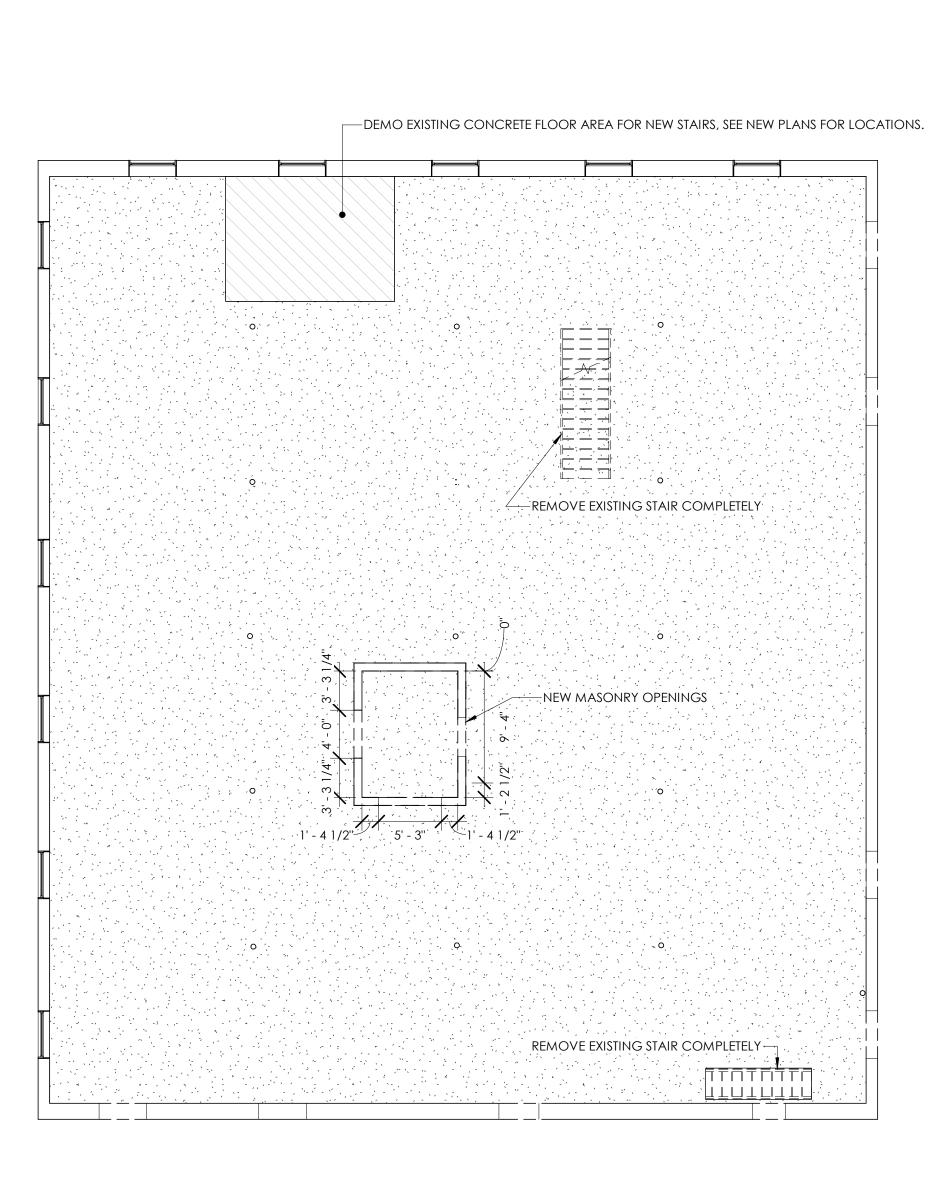
SCALE 1/8" = 1'-0"

PROJECT NUMBER 2020.45

DEMOLITION PLANS

LEVEL 3 DEMOLTION PLAN

1/8" = 1'-0"



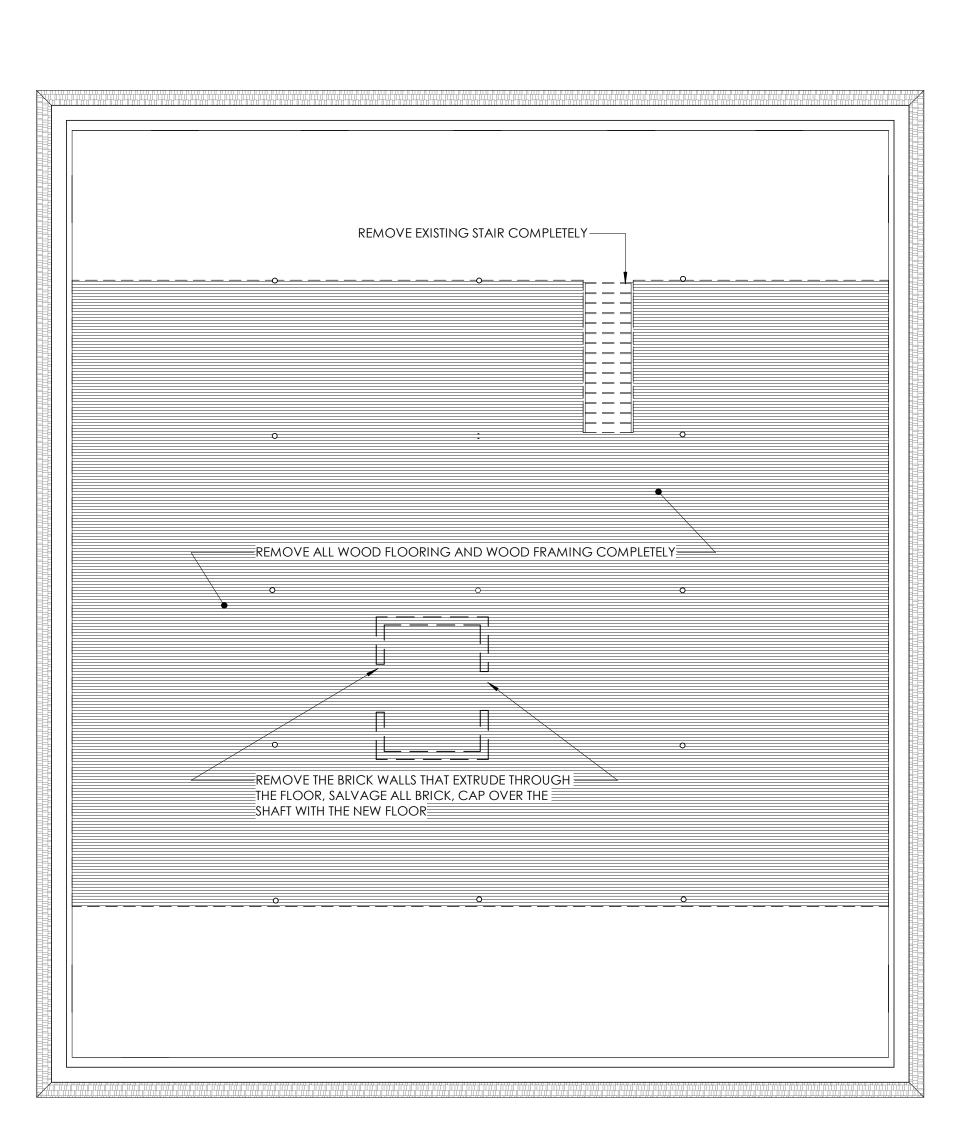




DEMOLITION NOTES

FOR ACCESS TO ITS PRE-EXISTING CONDITION.

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PROJECT NAME
SOUTHWEST MICHIGAN ACCELERATOR
KITCHEN_
PROJECT ADDRESS
30 E VAN BUREN ST, BATTLE CREEK, MI

CLIENT ALPHA CENTER

EDA PROJECT #
ECONOMIC DEVELOPMENT

ADMINISTRATION PROJECT NO. 06-01-06174

CONSTRUCTION DOCUMENTS

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DATE 1/15/2022 7:27:01 PM

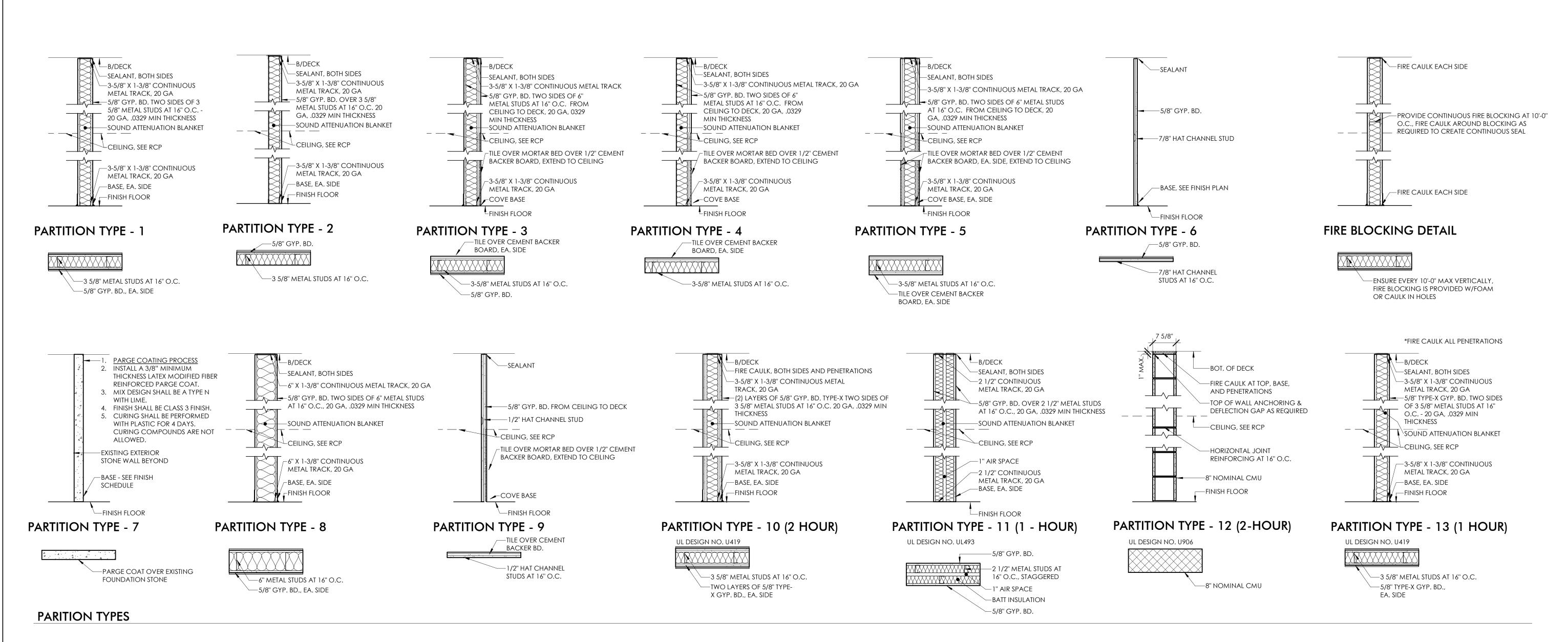
SCALE 1/8" = 1'-0"

PROJECT NUMBER

2020.45

DEMOLITION PLANS

A11





<u>ARCHITECT</u>

Driven Design Studio PLLC 117 West Michigan Avenue Battle Creek, MI 49017

(269) 753-8040 cody@drivendesignstudio.com

<u>OWNER</u>

Diocese of Kalamazoo 215 N Westnedge Ave Kalamazoo, MI

(269) 349-8714



<u>OWNER</u>

Battle Creek Unlimited 4950 W. Dickman Rd., Suite 1 Battle Creek, MI 49037

(269) 962-7526 gibson@bcunlimited.org MACMILLAN ASSOCIATES
CONSULTING ENGINEERS

ENGINEERING

MacMillan Associates 714 E Midland Street Bay City, MI 48706

(989) 894-4300 rmoulton@macmillanassociates.com

FOOD CONSULTANT

JRA Food Services Consultants 401 Hall St. SW. 234 Grand Rapids, MI

(616) 454-4433 jimr@jrafoodservicedesign.com

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PROJECT NAME
SOUTHWEST MICHIGAN ACCELERATOR PROJECT ADDRESS 30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

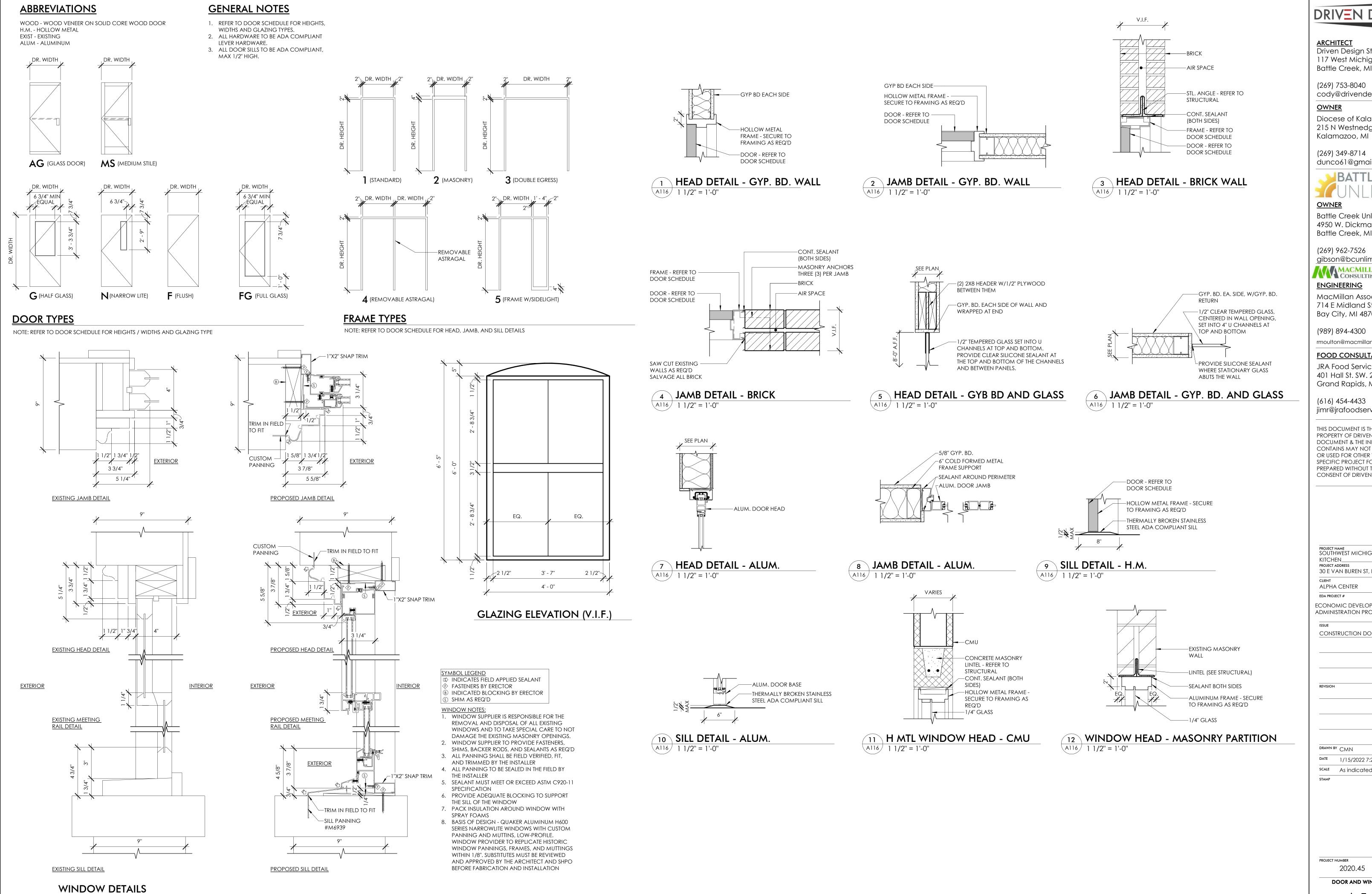
CONSTRUCTION DOCUMENTS

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WALL TYPES



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PROJECT NAME
SOUTHWEST MICHIGAN ACCELERATOR KITCHEN_____ PROJECT ADDRESS 30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

CONSTRUCTION DOCUMENTS

DATE 1/15/2022 7:27:09 PM scale As indicated

PROJECT NUMBER 2020.45

DOOR AND WINDOW DETAILS

A116

				FINISH SCHEDULE KEY			
FINISH LOCAT	TON CODE	MATERIAL	MANUFACTURER	STYLE	COLOR	FIRE RATING	, NOTES
	-			,			
EXISTING	BRK-1	BRICK	EXISTING				
	TRZ-1	TERRAZZO	EXISTING				TO BE REFINISHED AS NECESSARY
CARPETING							
OPEN OFFICE	CPT-1	CARPET	J&J FLOORING	ADVANCE 7600 MODULAR, 18" X 36"	CRYSTAL OASIS 3268		ASHLAR INSTALLATION
MISCELLANEOUS FL KITCHENS	ICB-1	INTEGRAL COVE BASE	KEY RESIN	FLOWFRESH SF	DARK GREY		REFER TO MANUFACTURER'S DETAILS
NI OTILI (O	SC-1	SEALED CONCRETE	THE THEORY	TEO TITLEST OF	BY NIN GIVE		
ITCHENS UR-1 URETHANE CEMENT		KEY RESIN	FLOWFRESH SF	DARK GREY			
RESILIENT FLOORING	G AND ACCESSORIES RB-1	RUBBER BASE	JOHNSONITE, TARKET	4" STANDARD TOE	GATEWAY WG TA4		
STAIR LANDINGS	RFT-1	RUBBER FLOOR TILE	TARKET	MESTO CONFIGURATIONS, HAMMERED FINISH, 24"	PSI SORCERER'S WAND		MONOLITHIC INSTALLATION, GLUE DOWN
				X 24"			
STAIRS	RST-1	RUBBER STAIR TREAD	TARKET	RUBBER STAIR TREAD AND RISER, MESTO CONFIGURATIONS, HAMMERED FINISH	PSI SORCERER'S WAND		WITH BLACK GRIT TAPE
TILING	I					I	
TOILET WALL TILE	PT-1	PORCELAIN TILE	VIRGINIA TILE; LANDMARK	ATTITUDE, 24" X 24"	LIGHT WHITE		MONOLITHIC INSTALLATION
TOILET FLOOR TILE	PT-2	PORCELAIN TILE	CERAMICS ATLAS CONCORDE	ATTITUDE, 24" X 24"	DARK GREY		MONOLITHIC INSTALLATION
TILED SHOWER FLOO		PORCELAIN TILE	ATLAS CONCORDE	ATTITUDE, 2" X 2" MOSAIC	DARK GREY		MONOLITIIC INSTALLATION
PAINT							
	IPS-1	PAINT (TO MATCH)	SHERWIN WILLIAMS		SW 7643 PUSSYWILLOW		
	IPS-2	PAINT (TO MATCH)	SHERWIN WILLIAMS		SW 6990 CAVIAR		
	IPS-3	PAINT (TO MATCH) PAINT (TO MATCH)	SHERWIN WILLIAMS SHERWIN WILLIAMS		SW 6219 RAIN SW 6221 MOODY BLUE		
HOLLOW METAL DC		PAINT (TO MATCH)	SHERWIN WILLIAMS		SW 7025 BACKDROP		
	IPS-6	PAINT (TO MATCH)	SHERWIN WILLIAMS	KRYLON CHALKBOARD PAINT	BLACK		
GYP. CEILINGS IPS-7 PAINT (TO MATCH)		SHERWIN WILLIAMS		SW 7006 EXTRA WHITE			
hollow metal dc frames	OOR IPS-8	PAINT (TO MATCH)	SHERWIN WILLIAMS		SW 7048 URBANE BRONZE		
NTERIOR ARCHITEC	TURAL WOODWORK						
	PL-1	PLASTIC-LAMINATE	FORMICA	MATTE TEXTURE	DANISH MAPLE 08906-58		
	SS-1 WDB-1	SOLID SURFACE WOOD BASEBOARD	CORIAN N/A	.5" THICKNESS 1x4 PRIMED AND PAINTED PINE	LAVA ROCK IPS-8-B		FILL ALL KNOT AND NAIL HOLES
DOORS			N/A	124 I KIMLD AND I AINTLD I INC	WHITE OAK		STAINED TO MATCH PL-1 PROVIDE SAMPLES FOR
							DESIGNER SELECTION AND APPROVAL
WALL AND DOOR P	CG-1	CORNER GUARD	CS ACROVYN	CO SERIES, 3-1/2" LEGS	STAINLESS STEEL		INSTALL ABOVE BASE TO A HEIGHT OF 4'-0"
	FRP-1	FIBERGLASS REINFORCED	MARLITE	SYMMETRIX TILE FRP WITH SMARTSEAM SUBWAY	WHITE SUBWAY TILE	CLASS C	INSTALL A DO VE BASE TO A THEIGHT OF 4-0
	FDD 0	PLASTIC PANEL	A A DUITE	SCORE 6" X 3"	TO MATCH CUSTOM COLOR SUFFRANKLIMILIANS	0.22410	
	FRP-2	FIBERGLASS REINFORCED PLASTIC PANEL	MARLITE	SYMMETRIX TILE FRP WITH SMARTSEAM SUBWAY SCORE 6" X 3"	TO MATCH CUSTOM COLOR SHERWIN WILLIAMS 6642 RHUMBA ORANGE	CLASS C	
	IRWP-1	IMPACT RESISTANT WALL PROTECTION	CS ACROVYN	4000 SERIES WALL COVERING, .040" THICKNESS	GALVESTON GRAY #315	CLASS A	INSTALL ABOVE BASE TO A HEIGHT OF 4'-0"
ACOUSTICAL PANEI	L CEILINGS	I ROLLEHON					
	ACP-1	ACOUSTICAL CEILING PANEL	ARMSTRONG CEILINGS	OPTIMA SQUARE TEGULAR, 24" X 24"X 15/16"	WHITE	CLASS A	WITH PRELUDE 15/16" GRID IN WHITE
KITCHENS	ACP-2	ACOUSTICAL CEILING	ARMSTRONG CEILINGS	KITCHEN ZONE CLEAN ROOM, 24" X 24" SQUARE	WHITE	CLASS A	WITH 15/16" WHITE CLEAN ROOM GRID
	0.00.1	GRID	MIDE	LAY-IN		01.400.4	WITH OLDON A FIRE TREATMENT LANGUE TO REVERBEE
	SCS-1	SPECIALTY CEILING SYSTEM	KIREI	ECHOSTAR, 36" X 31"	444	CLASS A	WITH CLASS A FIRE TREATMENT, LAYOUT TO BE VERIFIED WITH ARCHITECT, TO BE SUSPENDED 1'-6" FROM CEILING
	SCS-2	K-13 ACOUSTIC CEILING	INTERNATIONAL CELLULOSE CORPORATION	2" THICKNESS K-13 THERMAL AND ACOUSTICAL FINISH	BLACK	CLASS A	
			ACCESSORIES SCHEDULE				
TYPE MARK	DESCRIPTI	ON MANUFAC	CTURER MODEL	COMMENTS			
	42" GRAB BAR	BRADLEY COR BRADLEY COR					
	36" GRAB BAR 18" VERTICAL GRAB B						
	ROUND MIRROR MDC INTERIOR						
IID 1	TOU ET TIOCUE DIOCE ::	SOLUTIONS		5"			
	TOILET TISSUE DISPENS SURFACE MOUNTED \		B-2890 B-279				
	RECEPTACLE	DODRICK					
SD-1	SOAP DISPENSER	BOBRICK	R-2111				

VERIFY THIS MEETS ADA SHOWER REQUIREMENTS

VERIFY THIS MEETS ADA SHOWER REQUIREMENTS

TO BE MOUNTED ON BACK OF TOILET ROOM AND SHOWER

SOAP DISPENSER

SHOWER CURTAIN

SHOWER SEAT

48" GRAB BAR

24" GRAB BAR

HOOK

PAPER TOWEL DISPENSER

SHOWER CURTAIN ROD

SANITARY NAPKIN DISPOSAL

BOBRICK

BOBRICK

BOBRICK

BOBRICK

BOBRICK

BOBRICK

BRADLEY CORP.

BRADLEY CORP.

B-2111

B-262

B-270

B-5191

B-7672

812-001-48

812-001-24

GENERAL NOTES

- . ASSUME NORTH IS VERTICAL FOR FINISH SCHEDULE DESIGNATIONS
- 2. REFER TO INTERIOR SPECIFICATIONS ON SHEET A 118 FOR FURTHER FINISH SELECTIONS
- 3. ALL FURNITURE IS SHOWN FOR REFERENCE AND SCALE ONLY, ALL FINAL FURNITURE SELECTION IS TO BE BY OWNER
- 4. PRIME AND PAINT ALL SURFACES WITH A MINIMUM (2) FINISH COATS.
- 5. ALL BATHROOM WET WALLS ARE TO BE PORCELAIN TILE FROM FLOOR TO CEILING. PROVIDE CEMENT BACKER BOARD BEHIND ALL PORCELAIN TILE WALLS.
- 6. DISPLAY CASES ARE TO BE PROVIDED BY THE OWNER
- 7. AFTER REMOVING EXISTING FLOORING, GRIND CONCRETE AS REQUIRED TO PROVIDE A LEVEL SURFACE FOR THE NEW FLOORING
- 8. SEE EXTERIOR ELEVATIONS FOR EXTERIOR MATERIALS

NOTED OTHERWISE. SEE FINISH PLANS FOR LOCATIONS.

- 9. TRANSITIONS TO BE MANUFACTURED FROM SCHLUTER SYSTEMS U.N.O. IN AE FINISH IN THE APPROPRIATE THICKNESS FOR THE ADJACENT MATERIALS.
- 10. CENTER ALL FLOORING TRANSITIONS UNDER DOORS OR AT THE CENTER OF OPENINGS
- 11. USE LEVELING COMPOUND TO FEATHER FLOOR UP TO APPROPRIATE HEIGHT TO ENSURE THAT TRANSITION STRIP IS FLUSH WITH ADJACENT FLOORING MATERIAL
- 12. GROUT FOR PT-1 TO BE TECH GROUT IN COLOR PEAL 988. GROUT FOR PT-2 AND PT-3 TO BE TECH GROUT IN COLOR LIGHT PEWTER 927.
- 13. CORNERGUARD TO BEGIN AT TOP OF BASE AND TERMINATE AT 48" AFF. SEE FINISH PLANS FOR LOCATIONS
- 14. WALL PROTECTION TO BEGIN AT TOP EDGE OF BASE AND TERMINATE AT 48" AFF UNLESS
- 15. PROVIDE AND INSTALL ALL NECESSARY TRIM PIECES FOR WALL PROTECTION
- 16. CABINET PULLS TO BE DOUG MOCKETT DP105A/6 IN SATIN STAINLESS STEEL FINISH. ALL PULLS TO BE VERTICAL FOR DIRECTIONAL PLACEMENT MOUNTED TO THE LATCH SIDE OF CABINET DOORS AND CENTERED ON DRAWERS (U.N.O.) ALL DRAWER PULLS ARE SHOWN FOR REFERENCE ONLY AND NOT INDICATION OF MOUNTING LOCATION
- 17. GROMMETS LOCATED IN SS-1 TO BE BLACK. COORDINATE ALL LOCATIONS WITH OWNER
- 18. P.LAM LOCKER COLOR TO BE SELECTED FROM MANUFACTURER STANDARDS
- 19. ALL EXPOSED METAL COUNTERTOP SUPPORTS TO BE FIELD PAINTED TO MATCH Surrounding wall finish (in alkyd, semi-gloss paint finish)
- 20. ALL EXPOSED METAL ELEC./MECH. ITEMS IN OCCUPIED SPACES TO BE FIELD-PAINTED TO MATCH SURROUNDING WALL FINISH
- 21. BULKHEADS TO BE PAINTED TO MATCH SURROUNDING WALLS ON FACE AND UNDERSIDE
- 22. ALL SOLID SURFACE COUNTERTOPS AND BACKSPLASHES TO HAVE MITERED, FINISHED EASED
- 23. ALL CONCEALED SUPPORT BRACKETS TO BE A&M HARDWARE C/EC FLAT CONCEALED
- BRACKETS IN APPROPRIATE SIZE BASIS OF DESIGN
- 24. ALL COLUMNS EXPOSED METAL TO BE PAINTED IPS-2 25. ALL HOLLOW METAL DOORS TO BE PAINTED IPS-5-B
- 26. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED IPS-8-B
- 27. ALL STAIRS TO HAVE RUBBER STAIR TREADS (RST-1) IN APPROPRIATE SIZE TO MEET ADA REQUIREMENTS
- 28. ALL FLOATING GYP AND ACT CEILINGS TO HAVE ARMSTRONG 6" AXIOM TRIM IN WHITE COLOR WITH ALL NECESSARY PARTS AND PIECES

INTERIOR PAINT FINISH LEGEND

IPS-X-A EGGSHELL FINISH IPS-X-B SEMI-GLOSS FINISH

GRIND AND SEAL CONCRETE.

- IPS-X-C FLAT FINISH IPS-X-D EPOXY COATING
- NOTE: SEE INTERIOR SPECIFICATIONS FOR REQUIRED PRIMER AND FINISH

VALUE ENGINEER OPTIONS . IN LUE OF TARKET ANGLE FIT STAIR TREAD AND RISER IN MESTO CONFIGURATIONS SORCERERS WAND (RST-1), USE TARKET ANGLE FIT STAIR TREAD WITHOUT RISER IN SOLID COLOR BURNT

- UMBER HAMMERED FINISH WITH BLACK GRIT TAPE. PAINT STAIR RISER TO MATCH. IN LUE OF TARKET MESTO CONFIGURATIONS SORCERERS WANT (RFT-1) ON STAIR LANDINGS,
- 3. IN LUE OF TARKET STANDARD TOE RUBBER BASE (RB-1), USE TARKET 4" STANDARD TOE VINYL BASE IN COLOR GATEWAY.
- 4. IN LUE OF J&J FLOORING CARPET TILE ADVANCE (CPT-1) USE J&J FLOORING INTRINSIC 24" X
- 24" CARPET TILE, ASHLAR INSTALLATION IN COLOR FUNDAMENTAL 7096/2720. 5. IN LUE OF SYMMETRIX FRP (FRP-1 AND FRP-2) IN ALLERGEN KITCHEN 112, KITCHEN-1 114, KITCHEN-2 120, FOOD STAGIN 108, DISHWASHING 110 USE STANDARD PEBBLE FINISH FRP IN
- COLOR WHITE. (KEEP SYMMETRIX FRP-1 AND FRP-2 IN PROPOSED LOCATIONS ON LEVEL 2). 5. REMOVE FRP-1 AND FRP-2 ON WALLS IN HALL 119 AND REFRIGERATORS 113. INSTALL IRWP-1 TO HEIGHT OF 4'-0" AND PAINT ABOVE IPS-1-A. (KEEP SYMMETRIX FRP-1 AND FRP-2 IN PROPOSED LOCATIONS ON LEVEL 2).
- 7. IN LUE OF INSTALLING PORCELAIN TÎLE FULL HEIGHT ON ALL WALLS IN TOILET ROOMS, INSTALI TO HEIGHT OF 5'-6" AFF.
- 8. REMOVE LOCATIONS OF K-13 (SCS-2) ON 1ST LEVEL ENTIRELY (STORAGE UNITS 106, HALL 119,
- AND REFRIGERATORS 113) 9. ELIMINATE FLOATING GYP BD. CEILING CLOUD ABOVE REFRIGERATORS 113.
- 10. REMOVE VIEWING WINDOWS FROM HALL 119 INTO ALLERGEN KITCHEN 112, KITCHEN 114 AND KITCHEN 120



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30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

CONSTRUCTION DOCUMENTS

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SCALE 1/4" = 1'-0"

PROJECT NUMBER

2020.45 MASTER FINISH SCHEDULES & INTERIOR DETAILS

INTERIOR FINISH SPECIFICATIONS

GENERAL SPECIFICATIONS

- Contractor is responsible for the proper product installation including preparation
- Building to be fully enclosed prior to installation of interior finishes with heat and ventilation consistent with good working conditions for finish work.
- Contractor to provide owner a written warranty that guarantees the completed installation to be free from defects in materials and workmanship. Second source
- warranties other than the manufacturer of the product are unacceptable. Clean and protect finishes after installation so as not to be damaged by other trades. Refer to manufacturer's specific recommendations. Use materials that may
- be easily removed without leaving residue or permanent stains. Contractor to submit the following to architect and owner for approval prior to installation of interior products.
- product data and detailed specifications for each system component and
- installation accessory
- shop drawings showing locations, extent, and installation details. Samples for verification purposes
- Maintenance data All interior products must strictly be in compliance with all applicable code requirements
- Deliver and store all products according to manufacturer's recommendations. Comply with manufacturer's recommended procedures and installation sequences. Perform additional preparation procedures as required by
- manufacturer's instructions. • Engage an installer who is qualified to do the job. An installer is considered "qualified" by the manufacturer and has all special training and experience
- Acclimate all materials in the environment per manufacturer's requirements.

CARPETING (CPT-1)

- Contact: Nichole Lee at Nichole.lee@jjflooring.com
- Sub-floor preparation shall meet all conditions as specified in J+J Flooring's Modular Carpet installation instructions. Dust, dirt, debris and noncompatible adhesive must be removed before the installation begins. Surfaces must be smooth and level with all holes and cracks filled with Portland cement-based patch reinforced with polymers or primed with Commercialon Premium Sealer. Latex or old adhesives must be mechanically scraped down to a bare residue flat with the concrete substrate or covered with a skim coat of Portland cementbased patch reinforced with polymers. Any old adhesive residue must also be covered with Commercialon Premium Sealer.
- Once the temperature and relative humidity in area for installation have been stabilized, loose lay the carpet within the installation area, and allow it to precondition for 48 hours prior to installation.
- Carpet installation shall not commence until painting and finishing work is complete and ceiling and overhead work is tested, approved, and completed. Traffic shall be closed during the installation of the flooring products. Verify concrete slabs are dry per the standards for bond and moisture tests listed in the manufacturer's installation manual.
- Provide transitions/ reducing strips tapered to meet abutting materials as
- indicated on the drawings. All transitions must meet ADA requirements. New concrete subfloors must be fully cured and free of moisture. New concrete
- requires a curing period of approximately 90 days. Level all grout lines in Terrazzo subfloors with Portland Cement-based patch
- reinforced with polymers. Glossy surfaces must be sanded for adhesive bond. Waxes and similar finishes must be removed.
- Install flooring in strict accordance with the finish drawings, manufacturer's instructions, and CRI Carpet Installation Standard. Install carpet tile in accordance with manufacturer's instructions and CRI 104.
- J+J Flooring requires a full spread adhesive system for installation of Nexus Modular (carpet tile). Fully spread Commercialon® Premium Modular Pressure Sensitive Adhesive using a 1/32 x 1/16 x 1/16 "U" or "V" notch trowel or spread using a 3/8" foam paint roller. Keep the roller saturated and wet with adhesive throughout the installation in order to maintain a constant spread rate. Allow to completely dry so adhesive does not transfer when touched.

Remove excess adhesive without damage, from floor, base, and wall surfaces. URETHANE CEMENT (UR-1) and INTEGRAL COVE BASE (ICB-1)

Contact: Bob Woodhouse at rwoodhousejr@gmail.com

- Install Cove base per manufacturers standard details.
- System shall be in compliance with requirements of United States Department of Agriculture (USDA) Food, Drug Administration (FDA) and local Health Department
- Concrete to be coated with cementitious urethane material to have a flat rubbed finish, float, or light steel trowel finish. Sealers, release agents and curing membranes should not be used. Concrete surfaces on grade shall have been constructed with a vapor barrier to protect against the effects of vapor transmission and possible delamination of the system.
- Shot blast all surfaces to receive flooring system with a mobile steel shot, dust recycling machine (Blastrac or equal). All surface and embedded accumulations of paint, toppings hardened concrete layers, laitance, power trowel finishes, and other similar surface characteristics shall be completely removed leaving a bare
- concrete surface having a minimum profile of CSP 4-5 as described by the International Concrete Repair Institute. Floor areas inaccessible to the mobile blast machines shall be mechanically abraded to the same degree of cleanliness, soundness and profile using diamond
- grinders, needle guns, brush hammers, or other suitable equipment. Where the perimeter of the substrate to be coated is not adjacent to a wall or curb, a minimum 1/4" key cut shall be made to properly seat the system, providing a smooth transition between areas. The detail cut shall also apply to drain perimeters and expansion joint edges.
- Crack and joints (non-moving) greater than 1/8" wide are to be chiseled or chipped-out and repaired per manufacturer's recommendations.
- A neat finish with well-defined boundaries and straight edges shall be provided by the applicator.

RUBBER FLOOR TILE (RFT-1)

- Contact: Kelly Cassidy at kcassidy@bishopdistributing.com
- Comply with manufacturer's written instructions for installing resilient tile flooring. Install with Johnsonite adhesive specified for the site conditions and follow adhesive label for proper use.
- Roll the flooring in both directions using 100-pound three-section roller.
- RUBBER STAIR TREAD (RST-1)
- Contact: Kelly Cassidy at kcassidy@bishopdistributing.com Must meet performance requirements of ASTM F-2169 Standard Specification for
- Resilient Stair Treads, Type TS, Class 1 and 2, Group 1 and 2.
- Provide 2" wide strip of grip tape in contrasting color to comply with ADA
- requirements To have a hammered surface texture with integrated riser
- 72 hours after installation is complete, initial maintenance procedures must be
- implemented in accordance with manufacturer's requirements. Refer to Rubber Stair Treads Maintenance Instructions for complete maintenance details.
- Install with Johnsonite adhesive specified for the site conditions and follow
- adhesive label for proper use.
- Install stair tread and risers so that they are one continuous piece across the width of the step.

PORCELAIN TILE (PT-1, PT-2, PT-3)

- Contact: Lisa McLean at HYPERLINK "mailto:lisa.mclean@virginiatile.com" <u>lisa.mclean@virginiatile.com</u>
- Conform to requirements of ANSI A137.1 for standard grade tile. Second grade or
- worse material will not be permitted. • Conform to Ceramic Tile Manual published for the Ceramic Tile Institute. Tile should be installed in compliance with ANSI A118.4, ANSI A118.7 and ANSI A118.9
- standards and in accordance with the Tile Council of America Handbook Walls: W202-2K, W244-2K; Floors: F 122A-19, Shower: B 415-19, B 421-19 specifications. • Tile substrate to be level with no greater than 1/8" variation within 10 feet.
- Provide samples of each appropriate trim piece in the appropriate finish. Submit manufacturer's letter of compliance that products will meet or exceed TCA
- 137.1, including Master Grade Certificate. Waterproofing and crack isolation membrane system, setting materials and grout materials shall be provided by a single manufacturer.
- At the end of the project, provide to the Owner, unopened, clearly marked cartons of additional porcelain tile materials and grout utilized on the project.
- 100 square feet of each color and size porcelain tile. • Containers of each color grout required to-install 100 square feet of tile. (No less
- than one (1) container required) Conduct pre-installation meeting in accordance with Section 01310. Furnish tile complying with "Standard Grade" requirements per ANSI A137.1 – 1988,
- for types of tile indicated. Provide cementitious, trowelable, patch material to remedy any depressions in existing slab to allow for flat installation of tile. Product shall be TEC® Fast Set Deep

Patch™ Latex Modified Floor Patch and Leveler TA 327 as manufactured by TEC® /

- H.B. Fuller Construction Products Inc.
- Waterproofing and Crack Isolation Membrane System Membrane shall meet all ANSI A118.10 specifications for ceramic and stone waterproofing membranes and ANSI A118.12 for ceramic and stone crack
- Trowel-Roller applied waterproofing membrane shall be TEC® HydraFlex™ Waterproofing Crack Isolation Membrane TA 316, 1/4" crack isolation and waterproofing membrane as manufactured by TEC® / H.B. Fuller Construction Products Inc.
- Setting Materials Latex Modified Cement Mortars

isolation membranes.

- Shower Floors: TEC® Full Flex® Latex Modified Thin Set Mortar TA 390/391, one-part, flexible latex thin set mortar conforming to ANSI A118.4 & A118.11, as manufactured by TEC® / H.B. Fuller Construction Products Inc.
- Shower Walls: TEC® Ultimate 6+ Mortar flexible latex LHT mortar conforming to ANSI A118.4 & A118.11, as manufactured by TEC® / H.B. Fuller Construction Products Inc.
- Walls: TEC® Ultimate 6+ Mortar flexible latex LHT mortar conforming to ANSI A118.4 & A118.11, as manufactured by TEC® / H.B. Fuller Construction
- Floors: TEC® Ultimate 6+ Mortar flexible latex LHT mortar conformina to ANSI A118.4 & A118.11, as manufactured by TEC® / H.B. Fuller Construction
- Products Inc. Grouting Materials
- Stain Resistant, Crack Resistant, Cementitious Grout. Provide grout with 2% maximum water absorption, 9000 psi minimum compressive strength, conforming to ANSI A118.7. This grout does not require sealing.
- TEC® Power Grout TA 550, polymer-modified High Performance Portland cement grout mixed with water per manufacturer's instructions as manufactured by TEC® / H.B. Fuller Construction Products Inc. Color # TBD by Designer, as noted in finish schedule.
- Expansion Joints Refer to TCA Handbook, Method EJ171-93 for recommendations on locating and detailing various types of construction joints.
- Use sealant complying with ASTM C920 according to Type, Grade, Class and
- Maximum variation from the required plane (as specified by Tile Council of America) • Tiles with no edges greater than 15 inches, floor, and wall surfaces: 1/4 inch in 10 feet, and/or 1/16 inch in 1 foot.
- Tiles with at least one edge greater than 15 inches floor and wall surfaces: 1/8 inch in 10 feet, and/or 1/16 inch in 2 feet.
- Install work in accordance with manufacturer's approved product installation procedures
- Install tile in pattern shown on drawings. Joints shall be aligned and of same size when adjoining tiles on floor, base, walls, and trim. Tile should be cut straight and have edges aligned with adjacent materials.
- Grind edges of cut tile. Install tile under equipment and fixtures and into recesses to form a complete
- tile covering. • Terminate tile neatly at edges, corners, and obstructions without disrupting the tile pattern or joint alignment.
- Walls: Install tile in accordance with latest version of TCNA method [W202-2K]
- [W244-2K] specifications. Install specified grout product in strict accordance with H.B. Fuller Construction
- Products Inc. installation instructions and following the guidelines of ANSI A108.10. Completely remove all grout haze and residue from the surface of the ceramic or stone tile with TEC® Banish™ Concentrated Grout Haze Remover, when using a nonepoxy grout. When using an epoxy grout, remove all grout haze and residue from the surface of the ceramic or stone tile with TEC® Banish™ EX Grout Residue

Remover. PAINTING (IPS-X)

- Contact Dawn Cenowa at HYPERLINK "mailto:dawn.m.cenowa@sherwin.com" <u>dawn.m.cenowa@sherwin.com</u> for product confirmation before ordering.
- Follow MPI standards and guidelines. Provide minimum of two finish coats typ.
- Primer:
- For use on gypsum board: Sherwin Williams Multi-purpose latex primer For use on Scratch coat: Sherwin Williams Loxon concrete primer
- For use on gypsum board: Superpaint interior acrylic latex
 - For use on scratch coat: Pro industrial pre-catalyzed waterbased epoxy Krylon Chalkboard paint
 - Prime surface with SW ProMar 200 Zero VOC Interior Latex Primer, B28 Series Apply minimum two (2) finish topcoats.
- Once completely dry, rub the surface with Teacher's Grade Chalk and remove with a normal felt eraser. Do not use pavement or sidewalk chalk. Painting of steel columns:
- Use the following primers For bare Steel Primer: SW Pro Industrial Pro Cryl Universal Primer, B66 Series
- For painted Steel Primer: SW PrepRite ProBlock Latex, B51 Series For bare steel that is showing signs of rust, it is important that these are properly prepped to remove all the rust before priming. If we cannot remove the rust, then we want to use this paint system that can adhere to
- marginally prepared steel: Primer: SW Macropoxy 646-100, B58 Series
- Intermediate Coat: SW Macropoxy 646-100, B58 Series
- Topcoat: SW Hi Solids Polyurethane, B58 Series Basement columns to have the following topcoat: SW Pro Industrial Waterbased
- Catalyzed Epoxy, B73 Series
- All other columns to have the following topcoat: SW Pro Industrial Acrylic, B66
- Hollow Metal doors and frames
- Provide Block resistant paint typ.
 - Bare Steel Primer: SW Pro Industrial Pro Cryl Universal Primer, B66 Series Painted Steel Primer: SW PrepRite ProBlock Latex, B51 Series
 - Topcoat: SW Pro Industrial Waterbased Alky Urethane, B53 Series,
 - semi-gloss

HIGH PRESSURE LAMINATE (PL-1)

- Provide manufacturer recommended grade for the appropriate application. Apply to manufacturer recommended adhesive and substrate for the appropriate
- application

Install so that no edges are delaminating. SOLID SURFACE COUNTERTOP (SS-1)

- Verify actual measurements and opening by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.
- Provide gloss surface finish with mitered eased edges. Use manufacturers recommended joint adhesive in color complementary to solid surfacing sheet material. Complete joints inconspicuous in appearance and
- without voids. Provide joint reinforcement if required by manufacturer for particular installation conditions. Seams in locations shown on approved shop drawings and acceptable to manufacturer.
- Use manufacturer recommended mildew-resistant silicone sealant for filling gaps between countertops and terminating substrates in wet environments. To be in complementary color to solid surfacing sheet material.
- Provide siliconized acrylic latex sealant for general applications to fill gaps between countertops and at terminating surfaces to be in complementary color to solid surfacing sheet material.
- Use countertop manufacturer's recommended silicone-based construction adhesive for backsplashes, endsplashes, and other applications according to manufacturer's published fabrication instructions
- Scribe countertop to wall where no backsplash or endspash is provided. Provide holes and cutouts indicated on approved shop drawings and owner requested locations. Rout cutouts and complete by sanding all edges smooth. • Provide minimum ½" radius for countertop inside and outside corners.
- Install corner guards in strict accordance with the manufacturer's recommendations, using only approved adhesive or mounting hardware and
- locating all components firmly into position, level and plumb. Provide radius corner 16-gauge stainless steel corner guards in specified leg size for

odd angles as required, all 90-degree angles to have standard 90-degree legs. PREFINISHED POLYESTER GLASS REINFORCED PLASTIC SHEET (FRP-1 AND FRP-2) Contact: Greg Leary at HYPERLINK "mailto:aleary@marlite.com"

- gleary@marlite.com
- Install all necessary PVC trim in color to match FRP.
- To be adhered to unfinished gypsum board. For interlocking SmartSeam Panels (non-continuous vertical joints, i.e., subway groove configuration), apply Marlite C-109 Low VOC Cartridge adhesive using swirl
- technique at jagged panel edges. Apply sealant to all moldings, channels and joints between the system and different materials to assure watertight installation.
- Sealant: Marlite Brand MS-250 Clear Silicone Sealant.
- Marlite Brand MS-251 White Silicone Sealant.
- For Seam joint application.
- Marlite Brand Color Match Sealant. For Seam joint application.

IMPACT RESISTANT WALL PROTECTION (IRWP-1)

- Provide all components of the wall protection system manufactured by the same company to ensure compatibility of color, texture, and physical properties. Install
- all necessary trim pieces and caulk to match wall protection. Engineered PETG: Rigid sheet should be high-impact Acrovyn 4000 with standard Suede texture, nominal .040" (1.02mm) thickness. Chemical and stain resistance
- should be per ASTM D543 standards as established by the manufacturer.
- Acrovyn wall covering shall be furnished as a complete packaged system, including appropriate standard adhesive. ACOUSTICAL CEILING PANEL (ACP-1)
- Provide and install all acoustical ceiling panels, exposed grid suspension system, wire hangers, fasteners, main runners, cross tees, wall angle moldings and perimeter trim by a single manufacturer.
- Install system continuous wall-to-wall. · Coordinate acoustical ceiling work with installers of related work including, but not limited to building insulation, gypsum board, light fixtures, mechanical systems, electrical systems, and sprinklers.
- border widths at opposite edges of each ceiling. Avoid use of less than half width units at borders and comply with reflected ceiling plans. Coordinate panel layout with mechanical and electrical fixtures.
- Install suspension system and panels in accordance with the manufacturer's instructions, and in compliance with ASTM C 636 and with the authorities having Suspend main beam from overhead construction with hanger wires spaced 4-0 on
- center along the length of the main runner. Install hanger wires plumb and straight. Install wall moldings at intersection of suspended ceiling and vertical surfaces.
- Miter corners where wall moldings intersect or install corner caps. Install acoustical panels in coordination with suspended system, with edges resting on flanges of main runner and cross tees. Cut and fit panels neatly against

abutting surfaces. Support edges by wall moldings. Provide attic stock as requested from owner.

- **SPECIALTY CEILING SYSTEM (SCS-1)** Provide ASTM E84 Class A fire treated acoustic panel.
- Provide ceiling hung cable and appropriate ceiling mounts and joiners. SPECIALTY CEILING SYSTEM (SCS-2)
- Clips, hangers, supports, sleeves, and other attachments to spray bases are to be placed by other trades prior to the application of sprayed insulation.
- Ducts, piping, conduit, or other suspended equipment shall not be positioned until after the application of sprayed insulation. Roof penetrations to be installed prior to application. Verify surfaces to receive spray insulation to determine if priming/sealing is required
- to ensure bonding and/or to prevent discoloration caused by migratory stains. Prime surfaces as required by manufacturer's instructions.
- Provide masking, drop cloths or other satisfactory coverings for materials/surfaces that are not to receive insulation to protect from over-spray.
- Coordinate installation of the sprayed cellulose fiber with work of other trades. Install spray applied insulation according to manufacturer's recommendations. EXISTING TERRAZZO FLOORING (TZ-1)

completely ground, regrouted and polished.

 Qualified flooring contractor to inspect existing Terrazzo flooring to determine what extent of refinishing is required including but not limited to screening and sealing or

PARGE COATING FIELDSTONE IN LOWEST INTERIOR LEVEL:

- 1. Install a 3/8" minimum thickness latex modified fiber reinforced parge coat.
- 2. Mix design shall be a type N with lime.
- 3. Finish shall be class 3 finish. 4. Curing shall be performed with plastic for 4 days. Curing compounds are not
- 5. THE WALL IS TO BE PAINTED WITH SHERWIN WILLIAMS MASONRY GRADE PAINT -WHITE IN COLOR.

REMOVING PAINT FROM INTERIOR PERIMETER BRICK WALLS (LEVELS 2 AND THREE):

- 1. Coat the walls with approximately 1/4" thick PEEL AWAY 1 and cover with provided 2. Let PEEL AWAY 1 sit for a minimum 48 hours in 55 degress or warmer weather.
- 3. Powerwash with no greater than 700 PSI tip (point of impact) strength. 4. Keep air circulating for 48 hours after powerwashing.

5. Tuckpoint the interior brick as required.

"WHENEVER A MATERIAL, ARTICLE, OR PIECE OF EQUIPMENT IS IDENTIFIED IN THE CONTRACT DOCUMENTS BY REFERENCE TO MANUFACTURERS' OR VENDORS' NAMES, TRADE NAMES, CATALOGUE NUMBERS, ETC., IT IS INTENDED MERELY TO ESTABLISH A STANDARD. ANY MATERIAL, ARTICLE, OR EQUIPMENT OF OTHER MANUFACTURERS AND VENDORS THAT WILL PERFORM ADEQUATELY THE DUTIES IMPOSED BY THE GENERAL DESIGN WILL BE CONSIDERED EQUALLY ACCEPTABLE PROVIDED THE MATERIAL, ARTICLE, OR EQUIPMENT SO PROPOSED IS, IN THE OPINION OF THE ARCHITECT/ENGINEER, OF EQUAL SUBSTANCE AND FUNCTION. HOWEVER, SUCH SUBSTITUTION MATERIAL, ARTICLE, OR EQUIPMENT SHALL NOT BE PURCHASED OR INSTALLED BY THE CONTRACTOR WITHOUT THE ARCHITECT/ENGINEER'S WRITTEN APPROVAL."

BUY AMERICAN EXECUTIVE ORDER **DUE CARE PLAN**

THIS PROJECT IS PART OF AN EDA (ECONOMIC DEVELOPMENT ADMINISTRATION) GRANT. AS PART OF THE GRANT, THE PROJECT IS TO COMPLY WITH THE BUY AMERICAN EXECUTIVE ORDER NOTED BELOW. PLEASE TAKE NOTE THIS IS THE BUY AMERICAN ACT AND NOT THE BUY

BUY AMERICAN EXECUTIVE ORDER: CONSISTENT WITH EXECUTIVE ORDER 13858, STRENGTHENING BUY-AMERICAN PREFERENCES FOR INFRASTRUCTURE PROJECTS," THE RECIPIENT IS ENCOURAGED TO USE, TO THE GREATEST EXTENT PRACTICABLE, IRON AND ALUMINUM AS WELL AS STEEL, CEMENT, AND OTHER MANUFACTURED PRODUCTS PRODUCED IN THE UNITED STATES IN EVERY CONTRACT, SUBCONTRACT, PURCHASE ORDER. OR SUB-AWARD THAT IS CHARGEABLE UNDER THIS AWARD.

FEDERAL PARTICIPATION DISCLOSURE - "THIS PROJECT WILL BE PARTIALLY FUNDED WITH FEDERAL FUNDS FROM THE UNITED STATES DEPARTMENT OF COMMERCE, ECONOMIC DEVELOPMENT ADMINISTRATION AND THEREFORE IS SUBJECT TO THE FEDERAL LAWS AND REGULATIONS ASSOCIATED WITH THAT PROGRAM."

THE DUE CARE PLAN PERFORMED BY SME FOR ENVIRONMENTAL QUALITY IS TO BE REVIEWED AND FOLLOWED TO ENSURE THE PROJECT IS COMPLIANCE. THE DUE CARE PLAN HAS BEEN PROVIDED IN THE SPECIFICATIONS FOR THIS PROJECT.

DUE CARE: PRIOR TO ADVERTISING FOR CONSTRUCTION BIDS, THE RECIPIENT SHALL PROVIDE TO EDA A FINAL MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY (MIEGLE) DUE CARE PLAN AS REFERENCED IN THE PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT DATED SEPTEMBER 10, 2019 COVERING 30 EAST VAN BUREN STREET IN BATTLE CREEK MICHIGAN. AS PART OF THIS REQUIREMENT RECIPIENT SHALL PROVIDE EVIDENCE SATISFACTORY TO EDA THAT IT WILL REMAIN IN COMPLIANCE WITH ITS DUE CARE PLAN OBLIGATIONS AS SET FORTH UNDER APPLICABLE LAW, INCLUDING UNDER MCL § 324.20107A OF PART 201 OF THE MICHIGAN NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT BOTH DURING CONSTRUCTION AND AT MINIMUM FOR THE REMAINING USEFUL LIFE OF THE AWARD.



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CONSENT OF DRIVEN DESIGN.

PREPARED WITHOUT THE EXPLICIT

PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR

30 E VAN BUREN ST, BATTLE CREEK, MI

ADMINISTRATION PROJECT NO. 06-01-06174

ALPHA CENTER EDA PROJECT # ECONOMIC DEVELOPMENT

PROJECT ADDRESS

CONSTRUCTION DOCUMENTS

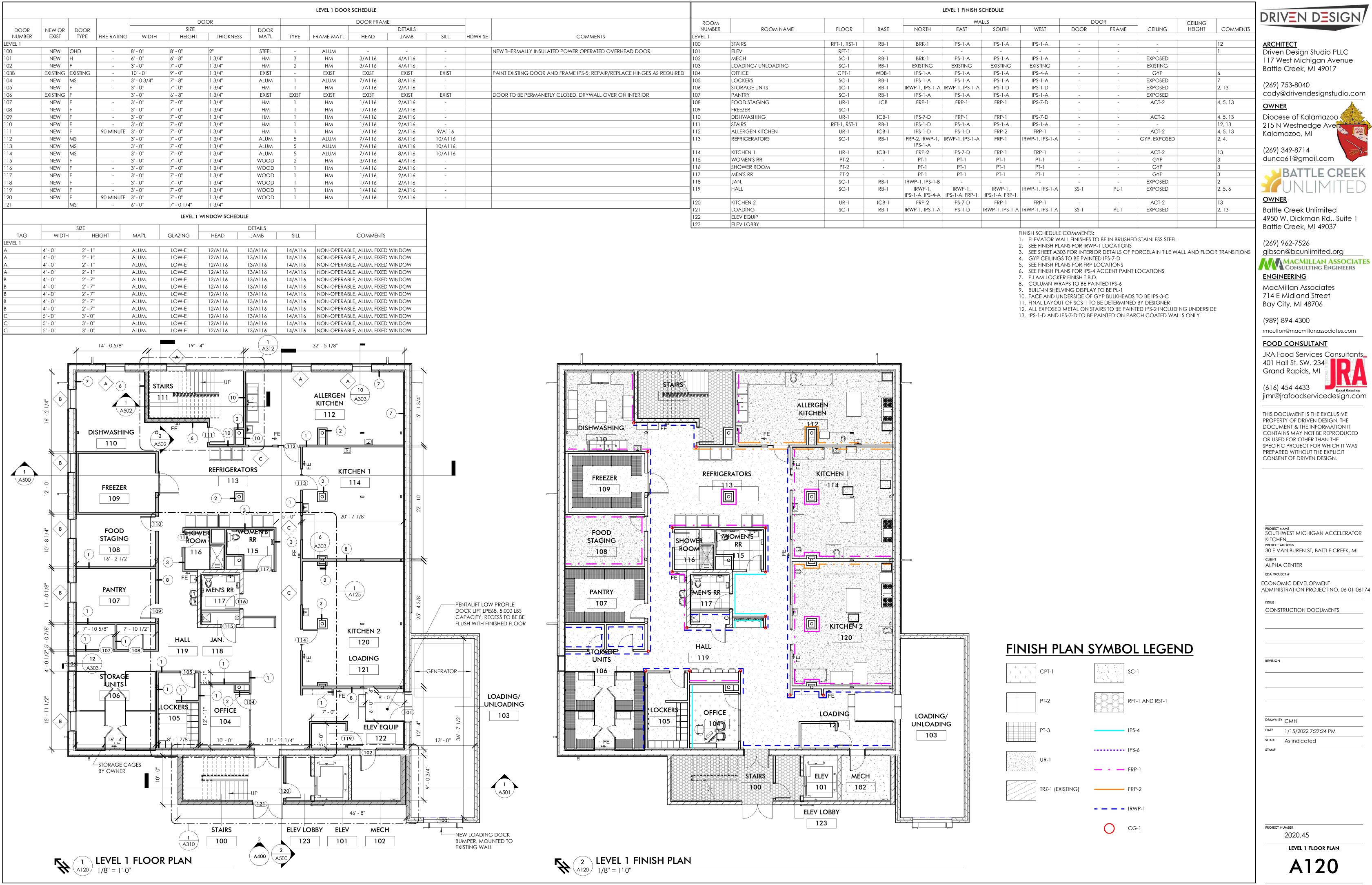
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SCALE

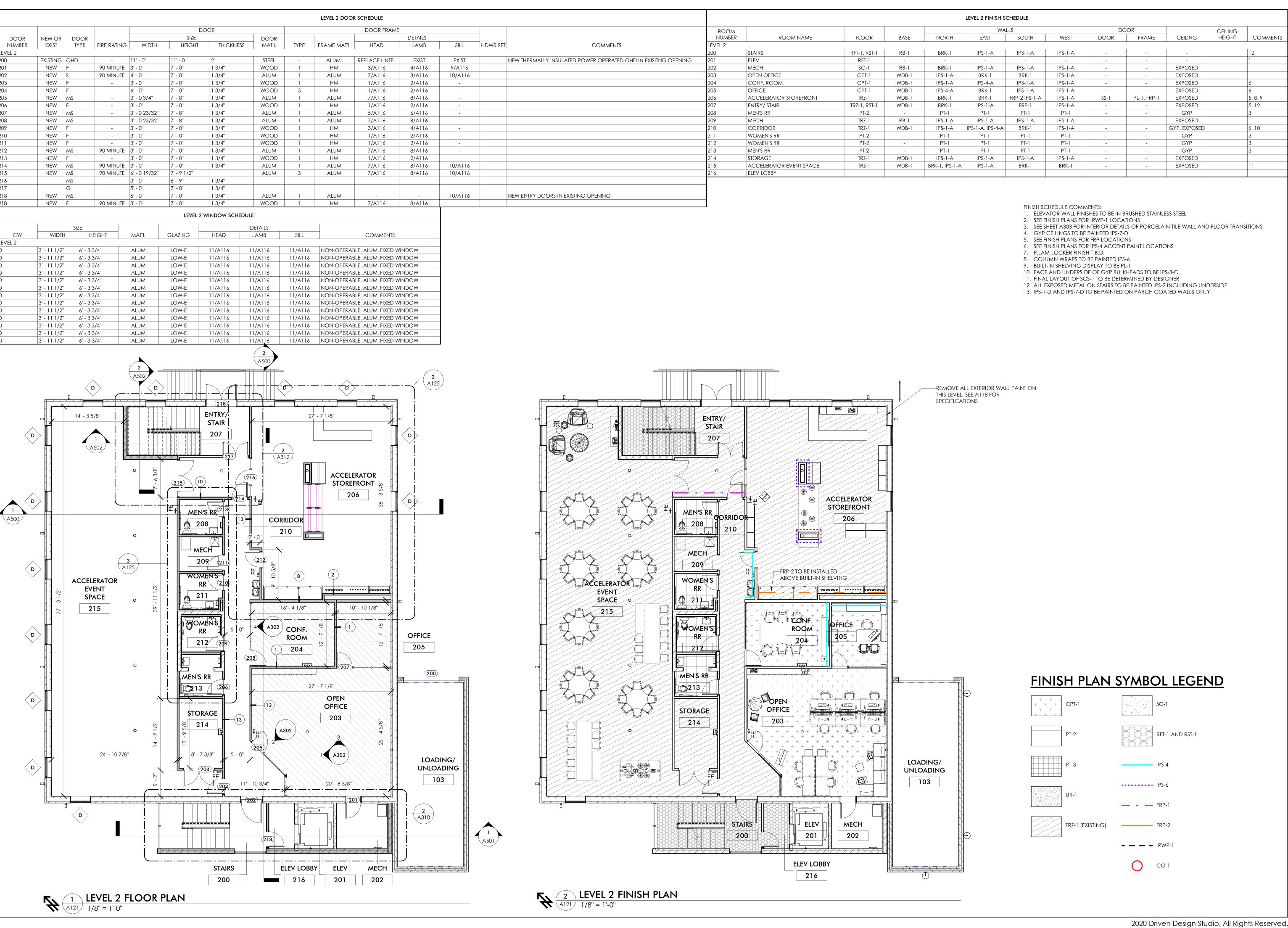
PROJECT NUMBER 2020.45

INTERIOR SPECIFCATIONS

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PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR PROJECT ADDRESS

ALPHA CENTER

EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

30 E VAN BUREN ST, BATTLE CREEK, M

CONSTRUCTION DOCUMENTS

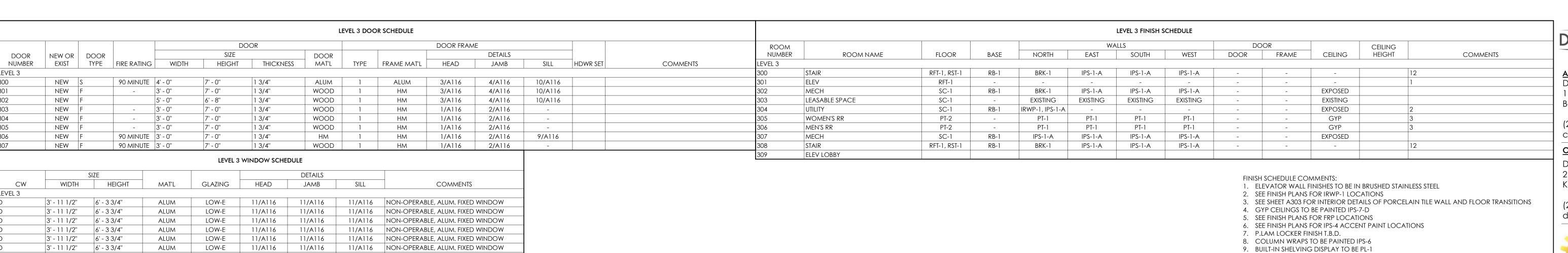
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scale As indicated

PROJECT NUMBER 2020.45

LEVEL 2 FLOOR PLAN



11/A116 NON-OPERABLE, ALUM. FIXED WINDOW

11/A116 NON-OPERABLE, ALUM. FIXED WINDOW

11/A116 NON-OPERABLE, ALUM. FIXED WINDOW

14/A116 NON-OPERABLE, ALUM. FIXED WINDOW

NON-OPERABLE, ALUM. FIXED WINDOW NON-OPERABLE, ALUM. FIXED WINDOW

3' - 11 1/2"

3' - 11 1/2"

3' - 11 1/2"

3' - 11 1/2"

3' - 11 1/2"

3' - 11 1/2"

3' - 11 1/2"

3' - 11 1/2"

3' - 11 1/2"

3' - 11 1/2" 6' - 3 3/4"

6' - 3 3/4"

6' - 3 3/4"

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6' - 3 3/4"

6' - 3 3/4"

ALUM

ALUM

ALUM

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ALUM

LOW-E

11/A116

12/A116

11/A116

13/A116

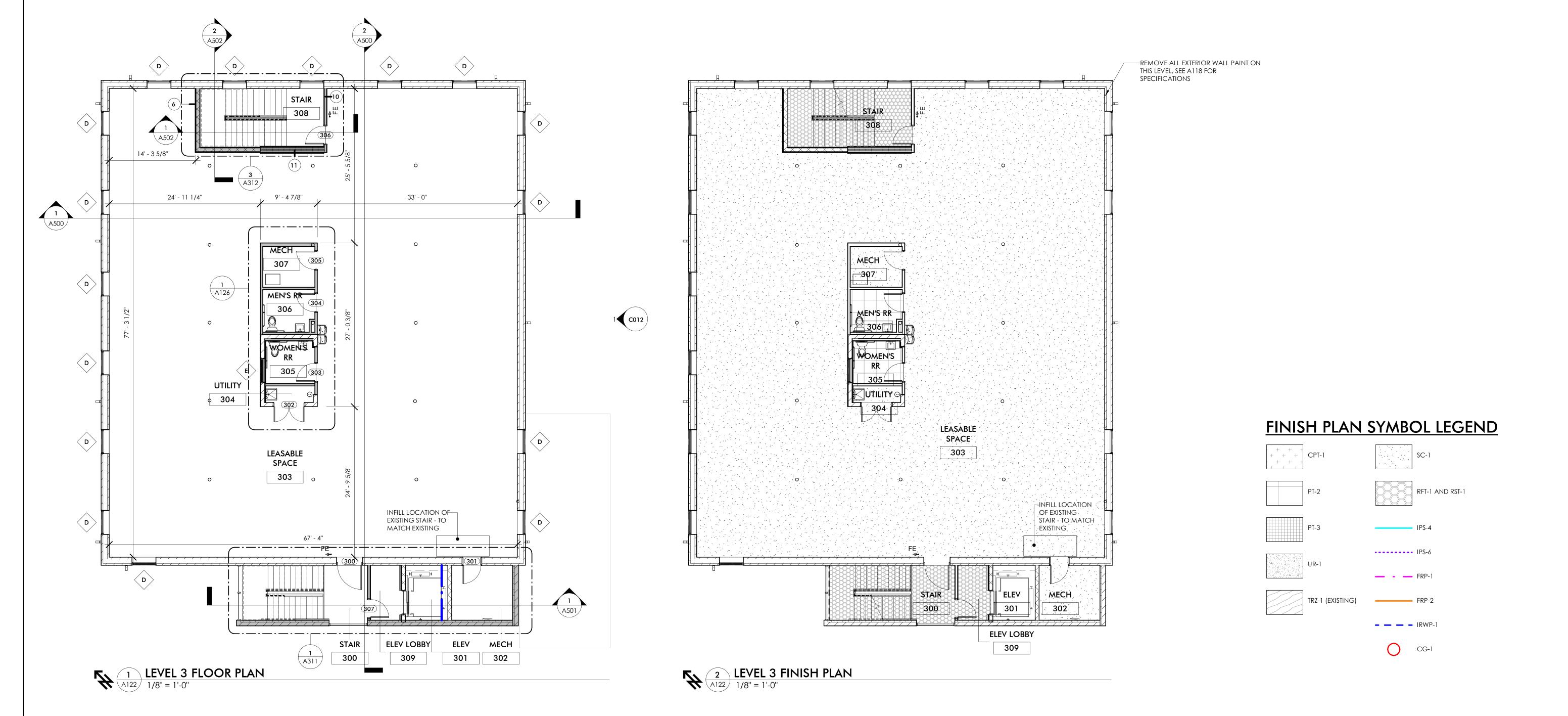
11/A116

11/A116

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<u>ARCHITECT</u>

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OWNER

10. FACE AND UNDERSIDE OF GYP BULKHEADS TO BE IPS-3-C

11. FINAL LAYOUT OF SCS-1 TO BE DETERMINED BY DESIGNER

12. ALL EXPOSED METAL ON STAIRS TO BE PAINTED IPS-2 INCLUDING UNDERSIDE

13. IPS-1-D AND IPS-7-D TO BE PAINTED ON PARCH COATED WALLS ONLY

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PROJECT NAME
SOUTHWEST MICHIGAN ACCELERATOR 30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

CONSTRUCTION DOCUMENTS

DRAWN BY Author 1/15/2022 7:27:39 PM

scale As indicated

PROJECT NUMBER 2020.45

> **LEVEL 3 FLOOR PLAN** A122

	LEVEL 4 DOOR SCHEDULE																		LEVEL 4 FINISH S	CHEDULE						Г	
					DOOR				DOOR FRAM	E				ROOM					WA	LLS		DC	OOR		CEILING		
DOOR	NEW OR DO	OOR		SIZE		DOOR				DETAILS				NUMBER	ROOM NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	DOOR	FRAME	CEILING	HEIGHT	COMMENTS	
NUMBER	EXIST TY	PE FIRE RATING	WIDTH	HEIGHT	THICKNESS	MAT'L	TYPE	FRAME MAT'L	HEAD	JAMB	SILL	HDWR SET	COMMENTS	LEVEL 4										'			
LEVEL 4														400	STAIR	RFT-1, RST-1	RB-1	BRK-1	IPS-1-A	IPS-1-A	IPS-1-A	-	-	-	12		A
400	NEW S	90 MINUTE 4'	- 0''	7' - 0''	1 3/4"	ALUM	1	ALUM	3/A116	4/A116	10/A116)		401	ELEV	RFT-1	-	-	-	-	-	-	-	-	1		
401	NEW F	- 3'	- 0''	7' - 0''	1 3/4"	WOOD	1	HM	3/A116	4/A116	9/A116			402	MECH	SC-1	RB-1	BRK-1	IPS-1-A	IPS-1-A	IPS-1-A	-	-	EXPOSED			1
402	NEW F	5'	- 0''	6' - 8''	1 3/4"	WOOD	3	HM	3/A116	4/A116	9/A116			403	LEASABLE SPACE	SC-1	-	EXISTING	EXISTING	EXISTING	EXISTING	-	-	EXISTING			
403	NEW F	- 3'	- 0''	7' - 0''	1 3/4"	WOOD	1	HM	1/A116	2/A116	-			404	UTILITY	SC-1	RB-1	IRWP-1, IPS-1-A	-	-	-	-	-	EXPOSED	2		В
404	NEW F	- 3'	- 0''	7' - 0''	1 3/4"	WOOD	1	НМ	1/A116	2/A116	_			405	WOMEN'S RR	PT-2	-	PT-1	PT-1	PT-1	PT-1	-	-	GYP	3		
405	NEW F	- 3'	- 0''	7' - 0''	1 3/4"	WOOD	1	HM	1/A116	2/A116	-			406	MEN'S RR	PT-2	-	PT-1	PT-1	PT-1	PT-1	-	-	GYP	3		(;
406	NEW F	90 MINUTE 3'	- 0''	7' - 0''	1 3/4"	HM	1	НМ	1/A116	2/A116	-			407	MECH	SC-1	RB-1	IPS-1-A	IPS-1-A	IPS-1-A	IPS-1-A	-	-	EXPOSED			С
407	NEW F	90 MINUTE 3'	- 0''	7' - 0''	1 3/4"	WOOD	1	НМ	1/A116	2/A116	-			408	STAIR	RFT-1, RST-1	RB-1	BRK-1	IPS-1-A	IPS-1-A	IPS-1-A	-	-	-	12		
	1				1		1	1	1	ı	1			409	FLEV LORBY												<u> </u>

				LEVEL 4	WINDOW SCHED	ULE		
		SIZE				DETAILS		
CW	WIDTH	HEIGHT	MAT'L	GLAZING	HEAD	JAMB	SILL	COMMENTS
LEVEL 4								
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
D	3' - 11 1/2"	6' - 3 3/4"	ALUM	LOW-E	11/A116	11/A116	11/A116	NON-OPERABLE, ALUM. FIXED WINDOW
F	4 ' - 0''	3' - 11 3/4"	ALLIM	LOW-F	12/A116	13/A116	14/A116	NON-OPERABLE ALLIM FIXED WINDOW

STAIR

MECH

MEN'S RR

LEASABLE SPACE

403

STAIR

400

33' - 4 1/2"

32' - 3 1/4"

ELEV LOBBY

402

 \bigcirc D

D

D

D

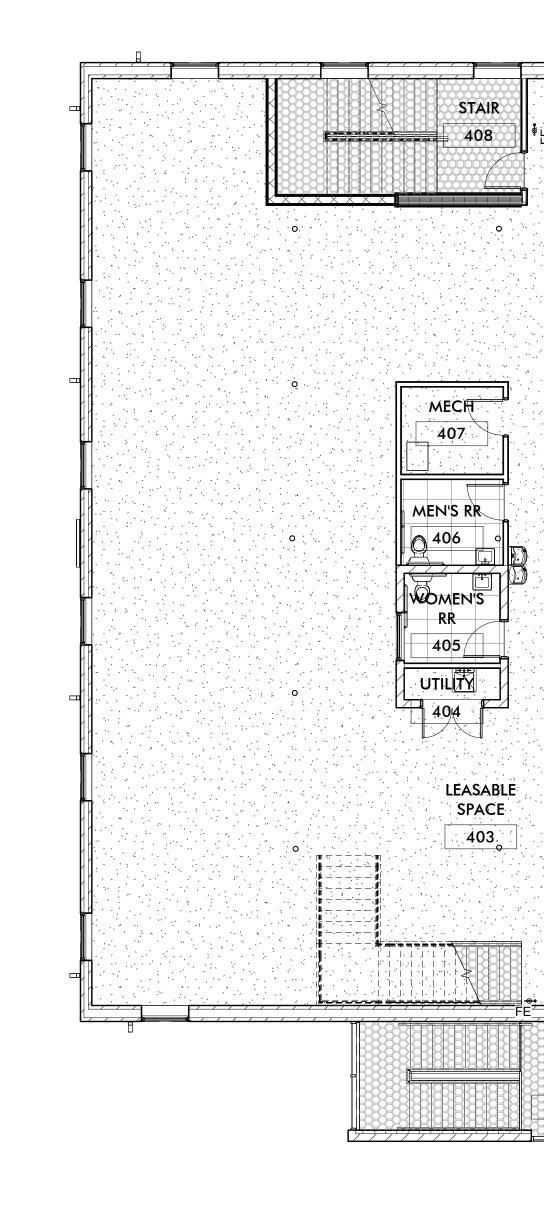
D

25' - 4 1/2"

2 A126

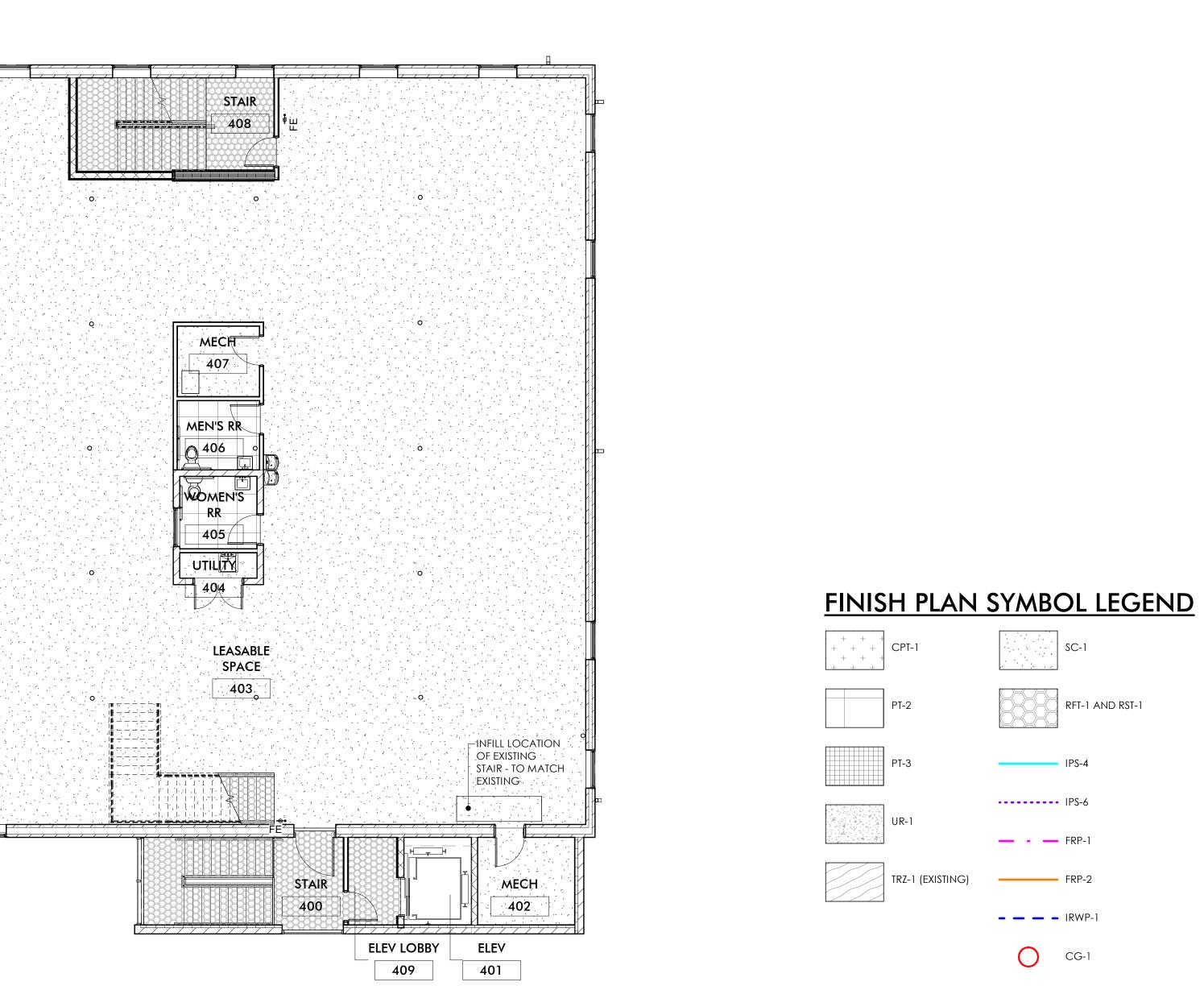
404

1 LEVEL 4 FLOOR PLAN
1/8" = 1'-0"



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

1 C012



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<u>OWNER</u> Diocese of Kalamazoo 4

FINISH SCHEDULE COMMENTS:

7. P.LAM LOCKER FINISH T.B.D.

2. SEE FINISH PLANS FOR IRWP-1 LOCATIONS

4. GYP CEILINGS TO BE PAINTED IPS-7-D

5. SEE FINISH PLANS FOR FRP LOCATIONS

8. COLUMN WRAPS TO BE PAINTED IPS-6 9. BUILT-IN SHELVING DISPLAY TO BE PL-1

1. ELEVATOR WALL FINISHES TO BE IN BRUSHED STAINLESS STEEL

6. SEE FINISH PLANS FOR IPS-4 ACCENT PAINT LOCATIONS

10. FACE AND UNDERSIDE OF GYP BULKHEADS TO BE IPS-3-C 11. FINAL LAYOUT OF SCS-1 TO BE DETERMINED BY DESIGNER

12. ALL EXPOSED METAL ON STAIRS TO BE PAINTED IPS-2 INCLUDING UNDERSIDE

13. IPS-1-D AND IPS-7-D TO BE PAINTED ON PARCH COATED WALLS ONLY

3. SEE SHEET A303 FOR INTERIOR DETAILS OF PORCELAIN TILE WALL AND FLOOR TRANSITIONS

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PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR KITCHEN______PROJECT ADDRESS 30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

CONSTRUCTION DOCUMENTS

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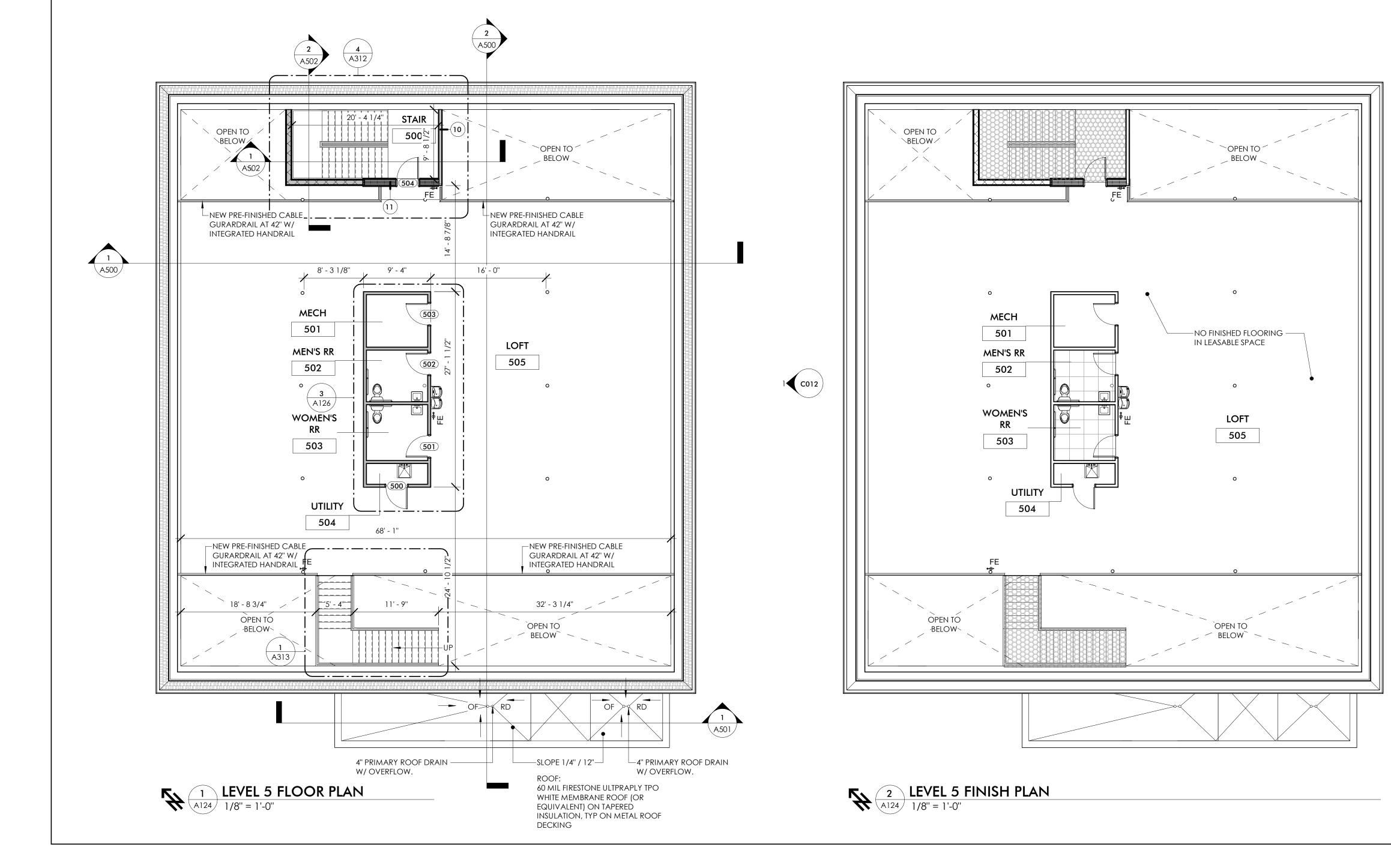
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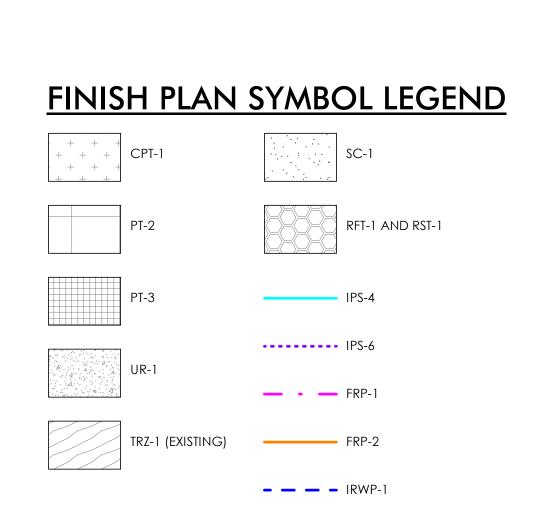
PROJECT NUMBER 2020.45

> LEVEL 4 FLOOR PLAN A123

	LEVEL 5 DOOR SCHEDULE											LEVEL 5 FINISH SCHEDULE																
						OOR				DOOR FRAM	1E				ROOM					W	ALLS		DC	OOR		CEILING		
DOOR	NEW OR	DOOR			SIZE		DOOR				DETAILS				NUMBER	ROOM NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	DOOR	FRAME	CEILING	HEIGHT	COMMEN	NTS
NUMBER			FIRE RATING	WIDTH	HEIGHT	THICKNESS	MAT'L	TYPE	FRAME MAT'L	HEAD	JAMB	SILL	HDWR SET	COMMENTS	LEVEL 5		•											
LEVEL 5															500	STAIR	RFT-1, RST-1	RB-1	BRK-1	IPS-1-A	IPS-1-A	IPS-1-A	-	-	-		12	
500	NEW	F	-	3' - 0"	7' - 0''	1 3/4"	WOOD	1	HM	1/A116	2/A116	-			501	MECH	SC-1	RB-1	BRK-1	IPS-1-A	IPS-1-A	IPS-1-A	-	-	EXPOSED		1	
501	NEW	F	-	3' - 0"	7' - 0''	1 3/4"	WOOD	1	HM	1/A116	2/A116	-			502	MEN'S RR	PT-2	-	PT-1	PT-1	PT-1	PT-1	-	-	GYP		3	
502	NEW	F	-	3' - 0"	7' - 0''	1 3/4"	WOOD	1	HM	1/A116	2/A116	-			503	WOMEN'S RR	PT-2	-	PT-1	PT-1	PT-1	PT-1	-	-	GYP		3	
503	NEW	F	-	3' - 0"	7' - 0''	1 3/4"	WOOD	1	HM	1/A116	2/A116	-			504	UTILITY	SC-1	RB-1	IRWP-1, IPS-1-A	-	-	-	-	-	EXPOSED		2	
504	NEW	F	90 MINUTE	3' - 0"	7' - 0''	1 3/4"	HM	1	HM	1/A116	2/A116	9/A116			505	LOFT	-	-	-	-	-	-	-	-	-			

REFER TO SHEET A118 FOR GENERAL NOTES, FINISH SCHEDULE COMMENTS, AND FINISH SCHEDULE KEY





CG-1

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ECONOMIC DEVELOPMENT
ADMINISTRATION PROJECT NO. 06-01-06174

ISSUE
CONSTRUCTION DOCUMENTS

REVISION

30 E VAN BUREN ST, BATTLE CREEK, MI

KITCHEN______PROJECT ADDRESS

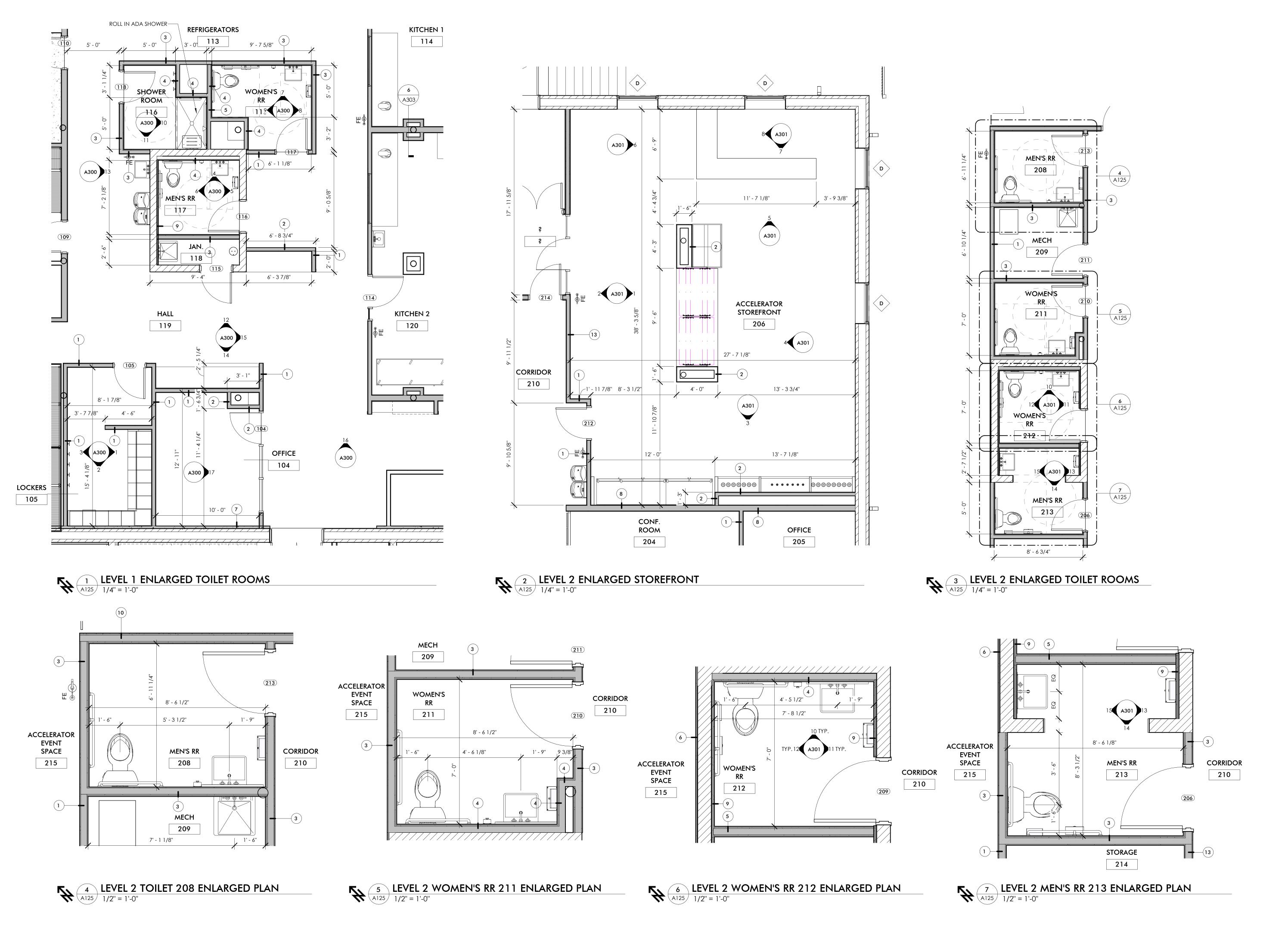
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PROJECT ADDRESS
30 E VAN BUREN ST, BATTLE CREEK, MI

CLIENT ALPHA CENTER

EDA PROJECT #

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CONSTRUCTION DOCUMENTS

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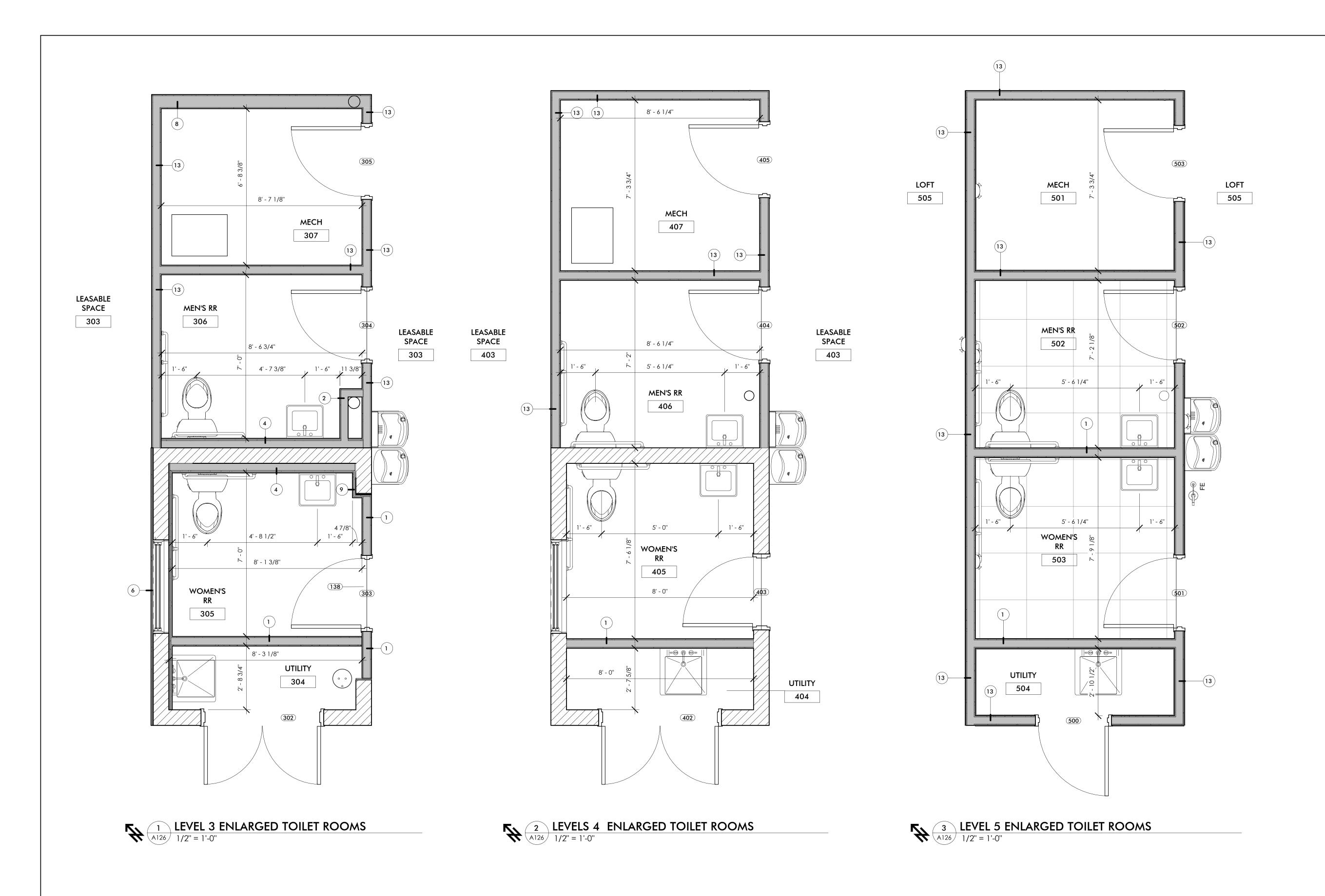
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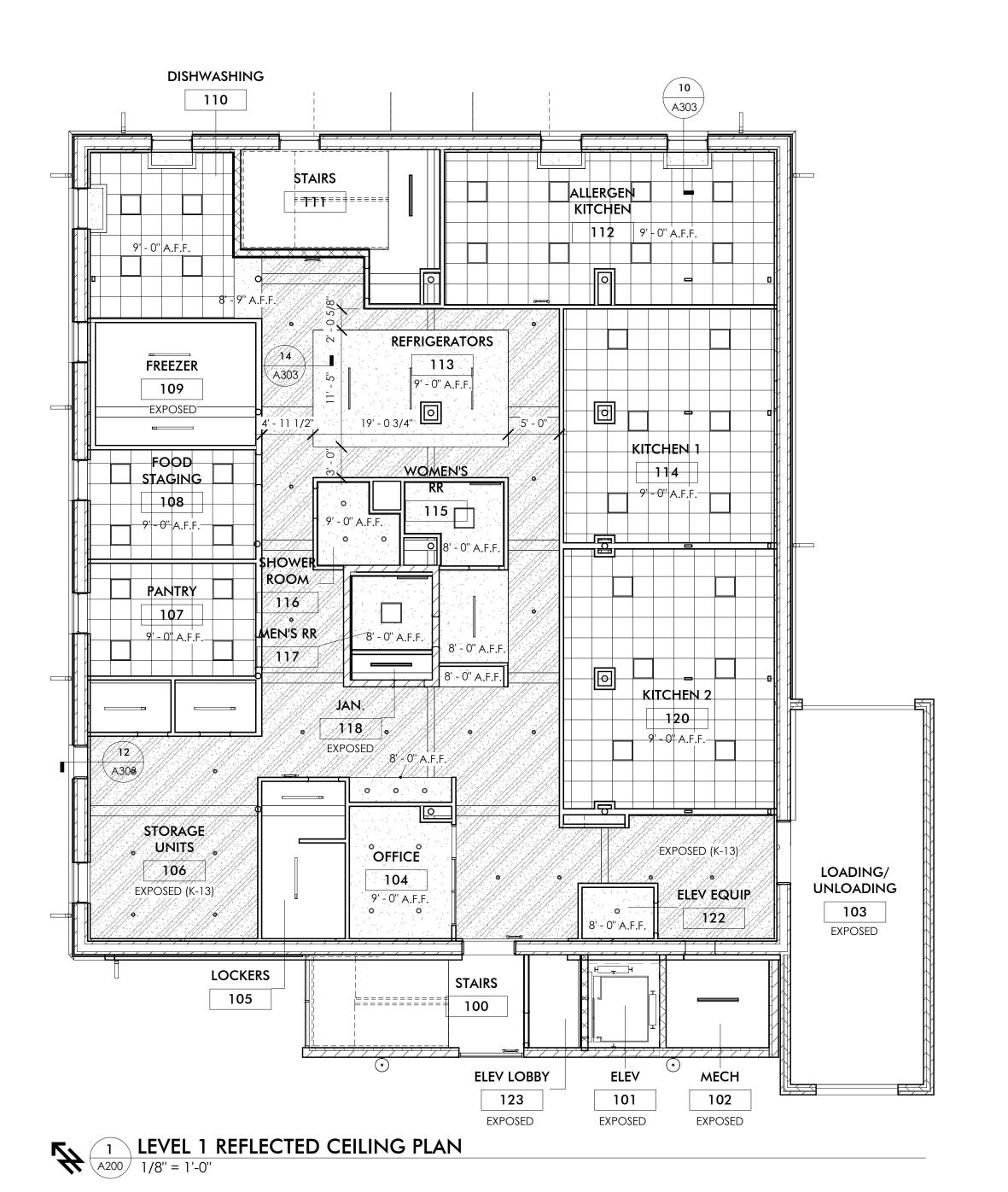
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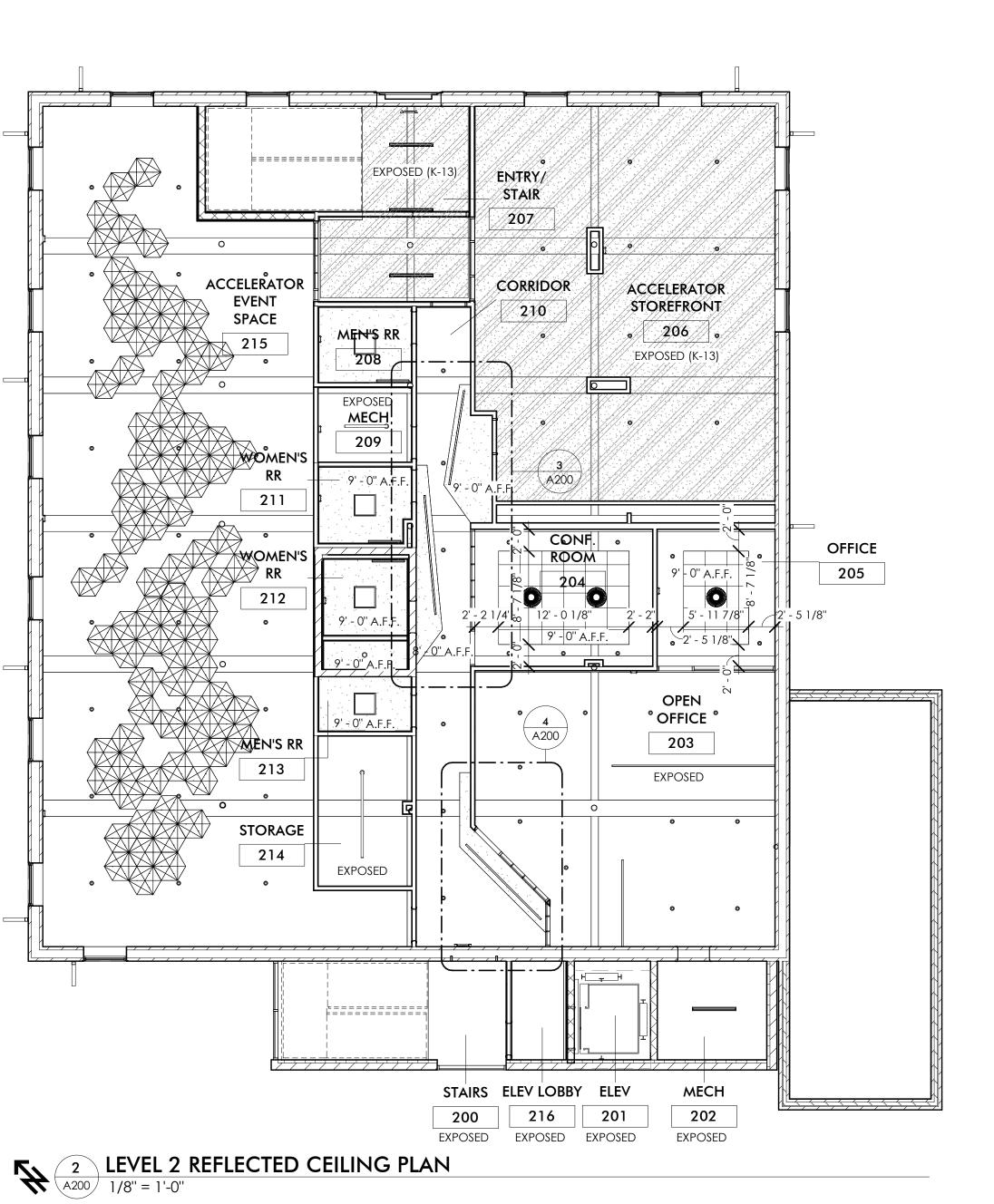
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PROJECT NUMBER
2020.45

ENLARGED PLANS

SUSPENDED GYP BD — "CLOUD" ON METAL FRAMING, HUNG W/AIRCRAFT CABLE, ——MANF. TRIM (SEE SPEC) **GYP CLOUD DETAIL**

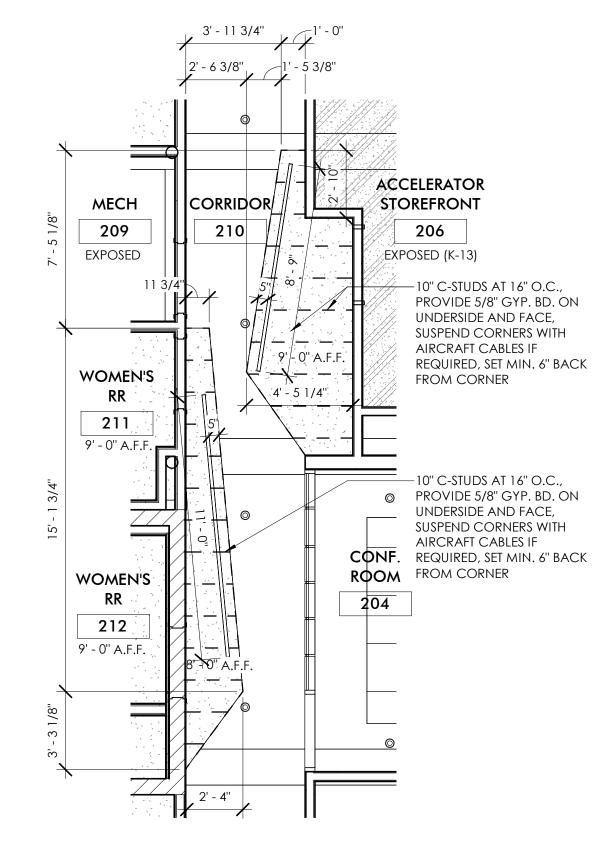




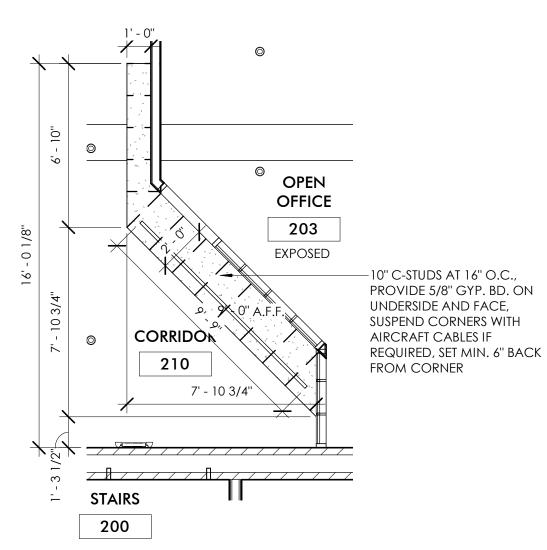
GENERAL NOTES

1. ALL LIGHT SWITCHES SHALL BE SILENT TYPE, 20 AMP.

- 2. ALL NEW LIGHT FIXTURES TO BE LED. FIXTURES AND LAYOUT ARE SHOWN SCHEMATICALLY.
- . IF CEILING HEIGHTS ARE NOT CALLED OUT, THEN THE CEILING IS EXISTING OR SHALL BE EXPOSED TO THE EXISTING STRUCTURE ABOVE. ALL EXPOSED CEILINGS TO BE PAINTED BLACK.
- . COORDINATE LIGHT FIXTURE, MECHANICAL, PLUMBING, ALONG WITH ANY OTHER SYSTEMS AS REQUIRED TO NOT INTERFERE WITH ONE ANOTHER.
- . ALL LIGHT FIXTURES AND HVAC SHALL BE CENTERED IN ALL ROOMS, CLOUDS OR BETWEEN OTHER ELEMENTS OR EQUALLY SPACED UNLESS NOTED OTHERWISE.
- 6. SEE MEP101 FOR ADDITIONAL MECHANICAL, ELECTRICAL, AND PLUMBING NOTES.
- 7. REFER TO ROOM FINISH SCHEDULE AND KEY FOR ACP DESIGNATIONS
- 8. REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC FIXTURES AND LOCATIONS







4 ENLARGED REFLECTED CEILING PLAN
A200 1/4" = 1'-0"

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ALPHA CENTER EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

30 E VAN BUREN ST, BATTLE CREEK, MI

CONSTRUCTION DOCUMENTS

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scale As indicated

PROJECT NUMBER 2020.45

REFLECTED CEILING PLANS

STAIR STAIR 408 308 **EXPOSED EXPOSED** LEASABLE **SPACE** 303 NOTE: CLEAN/PATCH EXISTING CEILING AS REQUIRED **EXPOSED** MECH 407 NOTE: EXPOSED CLEAN/PATCH EXISTING MEN'S RR CONCRETE CEILING AS MEN'S RR REQUIRED 406 306 9' - 0" A.F.F. LEASABLE **WOMEN'S** SPACE WOMEN'S 403 405 RR EXPOSED 305 UTILITY 404 CLEAN/PATCH EXISTING CEILING **EXPOSED** UTILITY AS REQUIRED 304 **EXPOSED** STAIR 400 |-----9' <u>-</u> 0'''A.F.F. MECH **ELEV LOBBY ELEV** STAIR ELEV LOBBY ELEV MECH 401 402 409 302 309 9' - 0" A.F.F. **EXPOSED EXPOSED** EXPOSED EXPOSED EXPOSED LEVEL 4 REFLECTED CEILING PLAN 1/8" = 1'-0" LEVEL 3 REFLECTED CEILING PLAN 1/8" = 1'-0"

|-----

MECH

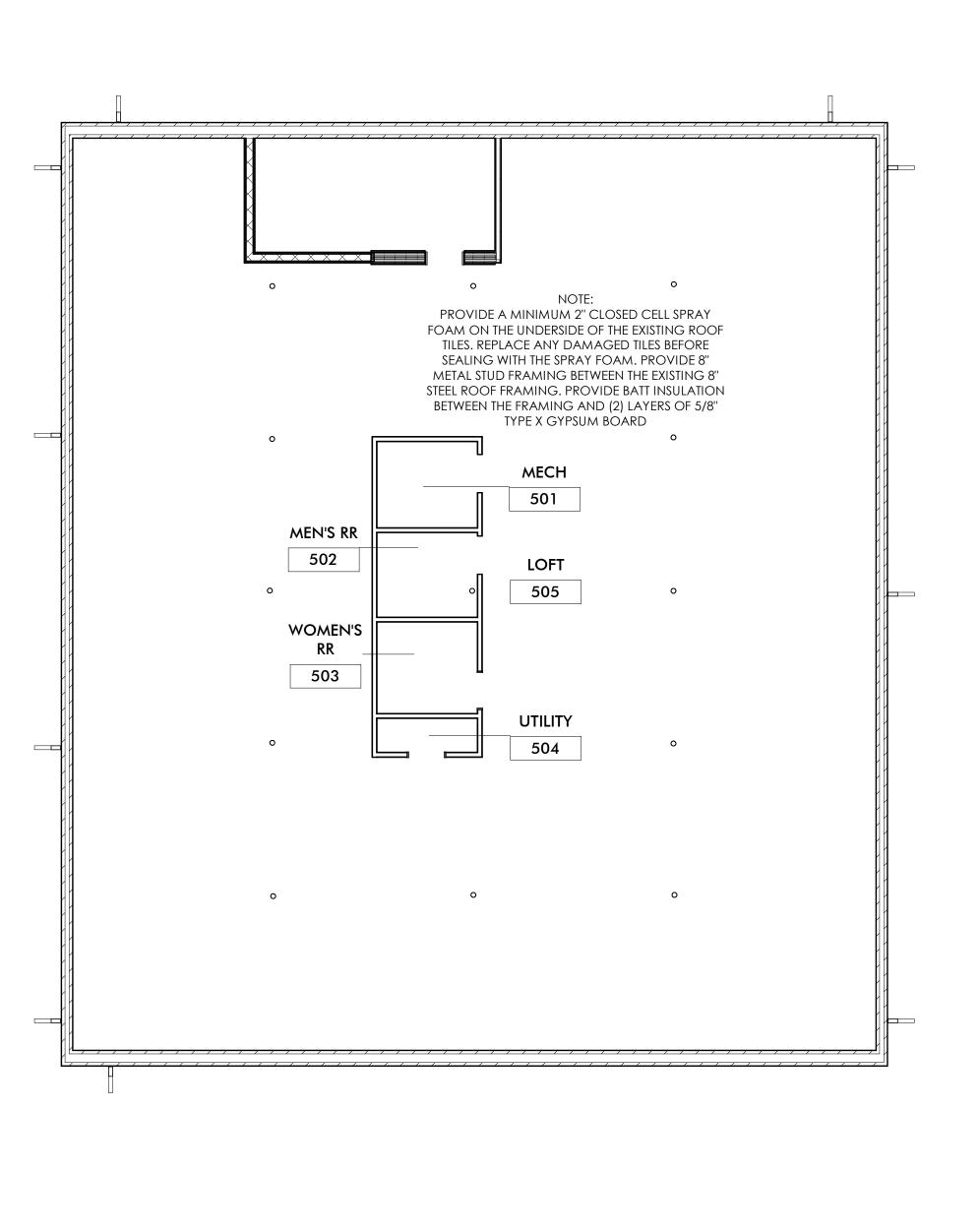
307

EXPOSED

NOTE: CLEAN/PATCH EXISTING

CONCRETE CEILING AS REQUIRED

9' - 0" A.F.F.



3 LEVEL 5 REFLECTED CEILING PLAN
A201 1/8" = 1'-0"

GENERAL NOTES

1. ALL LIGHT SWITCHES SHALL BE SILENT TYPE, 20 AMP.

- 2. ALL NEW LIGHT FIXTURES TO BE LED. FIXTURES AND LAYOUT ARE SHOWN SCHEMATICALLY.
- 3. IF CEILING HEIGHTS ARE NOT CALLED OUT, THEN THE CEILING IS EXISTING OR SHALL BE EXPOSED TO THE EXISTING STRUCTURE ABOVE. ALL EXPOSED CEILINGS TO BE PAINTED BLACK.
- 4. Coordinate light fixture, mechanical, plumbing, along with any other systems as REQUIRED TO NOT INTERFERE WITH ONE ANOTHER.
- 5. ALL LIGHT FIXTURES AND HVAC SHALL BE CENTERED IN ALL ROOMS, CLOUDS OR BETWEEN OTHER ELEMENTS OR EQUALLY SPACED UNLESS NOTED OTHERWISE.
- 6. SEE MEP101 FOR ADDITIONAL MECHANICAL, ELECTRICAL, AND PLUMBING NOTES.
- 7. REFER TO ROOM FINISH SCHEDULE AND KEY FOR ACP DESIGNATIONS
- 8. REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC FIXTURES AND LOCATIONS

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ALPHA CENTER EDA PROJECT #

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CONSTRUCTION DOCUMENTS

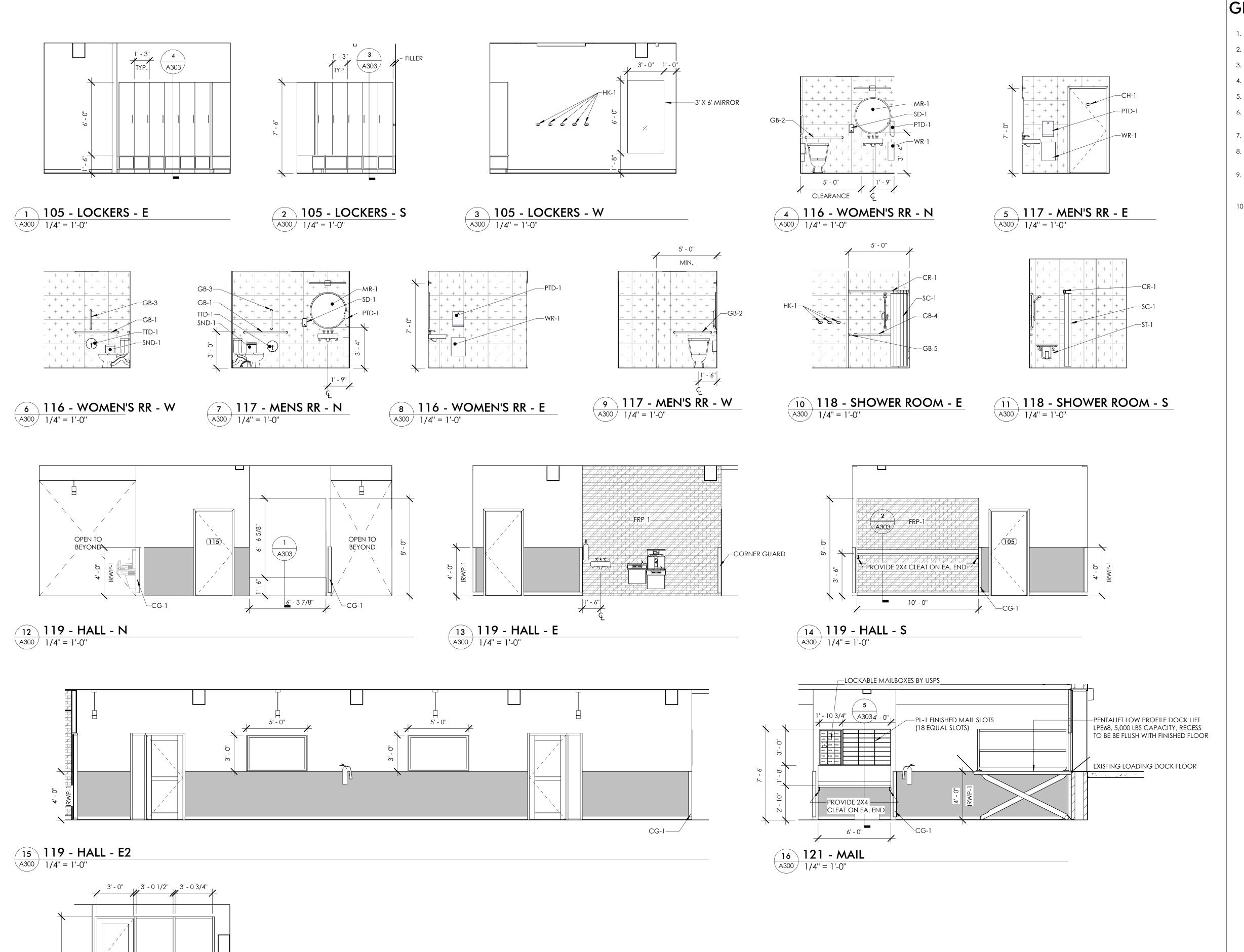
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SCALE 1/8" = 1'-0"

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PROJECT NUMBER 2020.45

REFLECTED CEILING PLANS



17 104 - OFFICE - E

A300 1/4" = 1'-0"

GENERAL NOTES

- 1. REFER TO ROOM FINISH SCHEDULE FOR ADDITIONAL FINISH LOCATIONS
- 2. ACTUAL GROMMET LOCATIONS TO BE DETERMINED BY OWNER
- 3. PROVIDE FILLER PIECES AT CASEWORK AS REQUIRED
- 4. LAMINATE ALL VISIBLE SURFACES OF CASEWORK, TYP.
- 5. PROVIDE PIPE WRAP ON ALL EXPOSED PIPING
- 6. REFER TO ACCESSORY SCHEDULE ON SHEET A116 FOR TOILET ACCESSORIES AND THEIR DESIGNATIONS. REFER TO SHEET T002 FOR TOILET ACCESSORY MOUNTING HEIGHTS
- 7. REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS
- 8. WHERE A SPECIFIED BRACKET IS NOT INDICATED, PROVIDE METAL BRACKETS AS REQUIRED TO SUPPORT COUNTERS AND SHELVES
- 9. PROVIDE BLOCKING IN WALLS WHERE NECESSARY. THESE LOCATIONS CONSIST OF, BUT ARE NOT LIMED TO THE FOLLOWING: TOILET ACCESSORIES, TACKBOARDS, HANDRAILS, WALL MOUNTED EQUIPMENT, AND OWNER DESIGNATED EQUIPMENT LOCATIONS
- 10. COORDINATE ALL CABINETRY SIZES WITH APPLIANCES, EQUIPMENT, ETC.

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ALPHA CENTER

EDA PROJECT #

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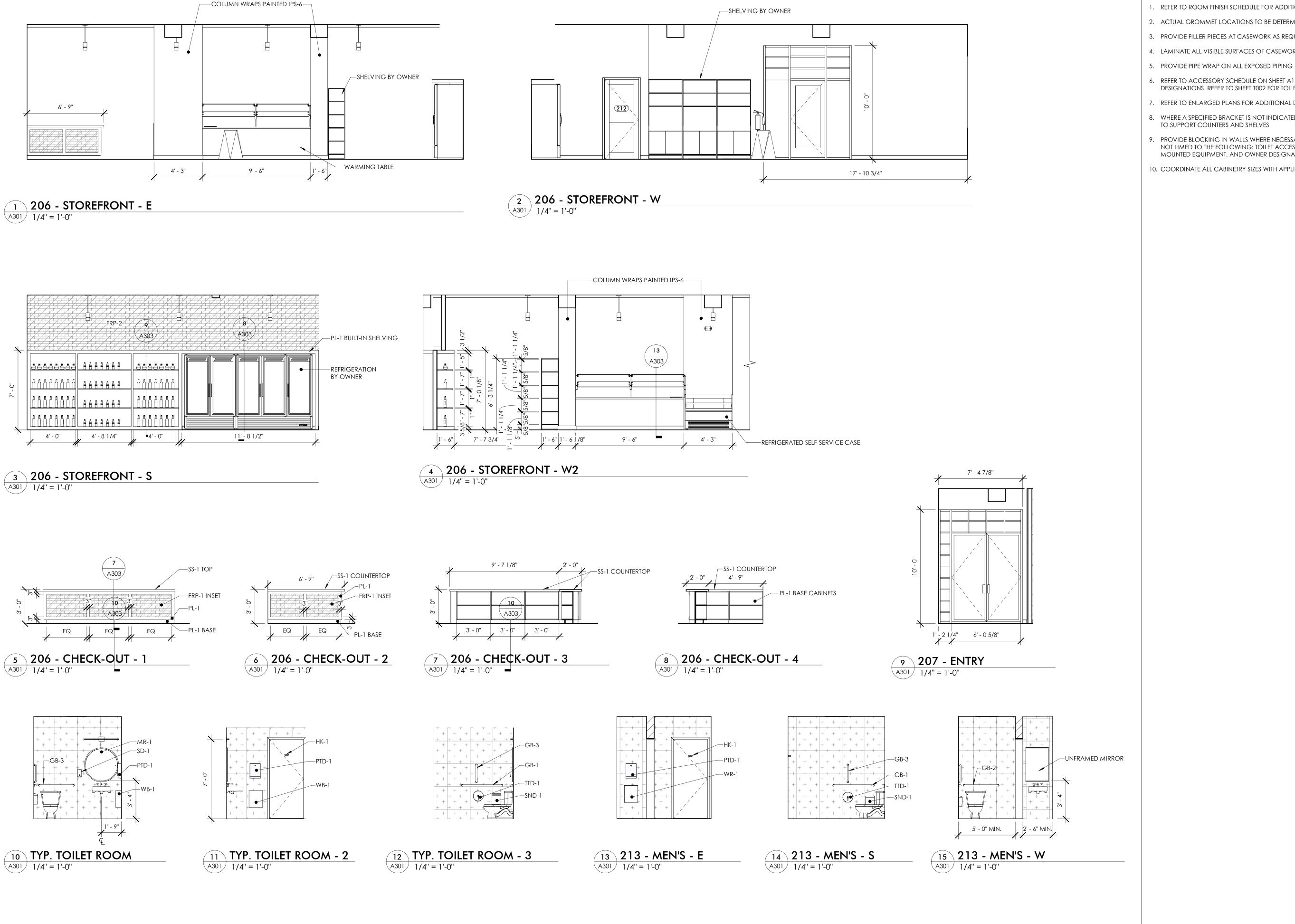
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PROJECT NUMBER 2020.45

INTERIOR ELEVATIONS



GENERAL NOTES

- 1. REFER TO ROOM FINISH SCHEDULE FOR ADDITIONAL FINISH LOCATIONS
- 2. ACTUAL GROMMET LOCATIONS TO BE DETERMINED BY OWNER
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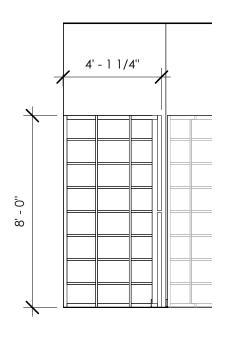
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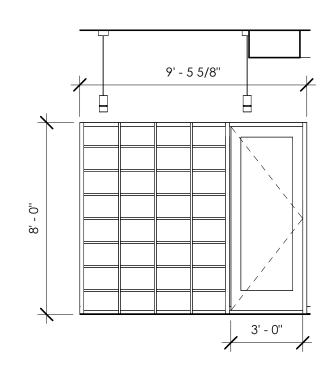
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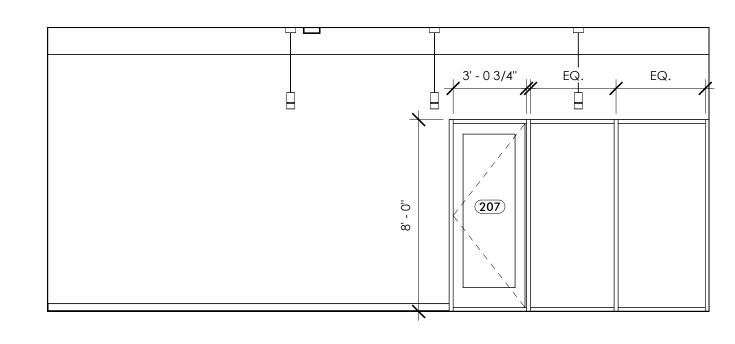
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A301

INTERIOR ELEVATIONS



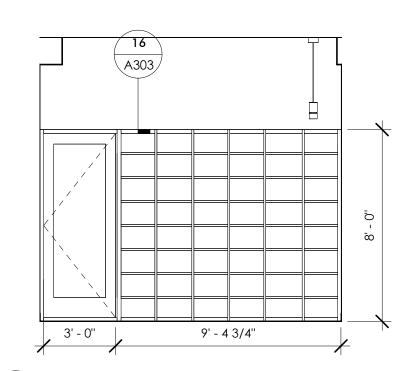












4 204 - CONF. - W A302 1/4" = 1'-0"

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ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

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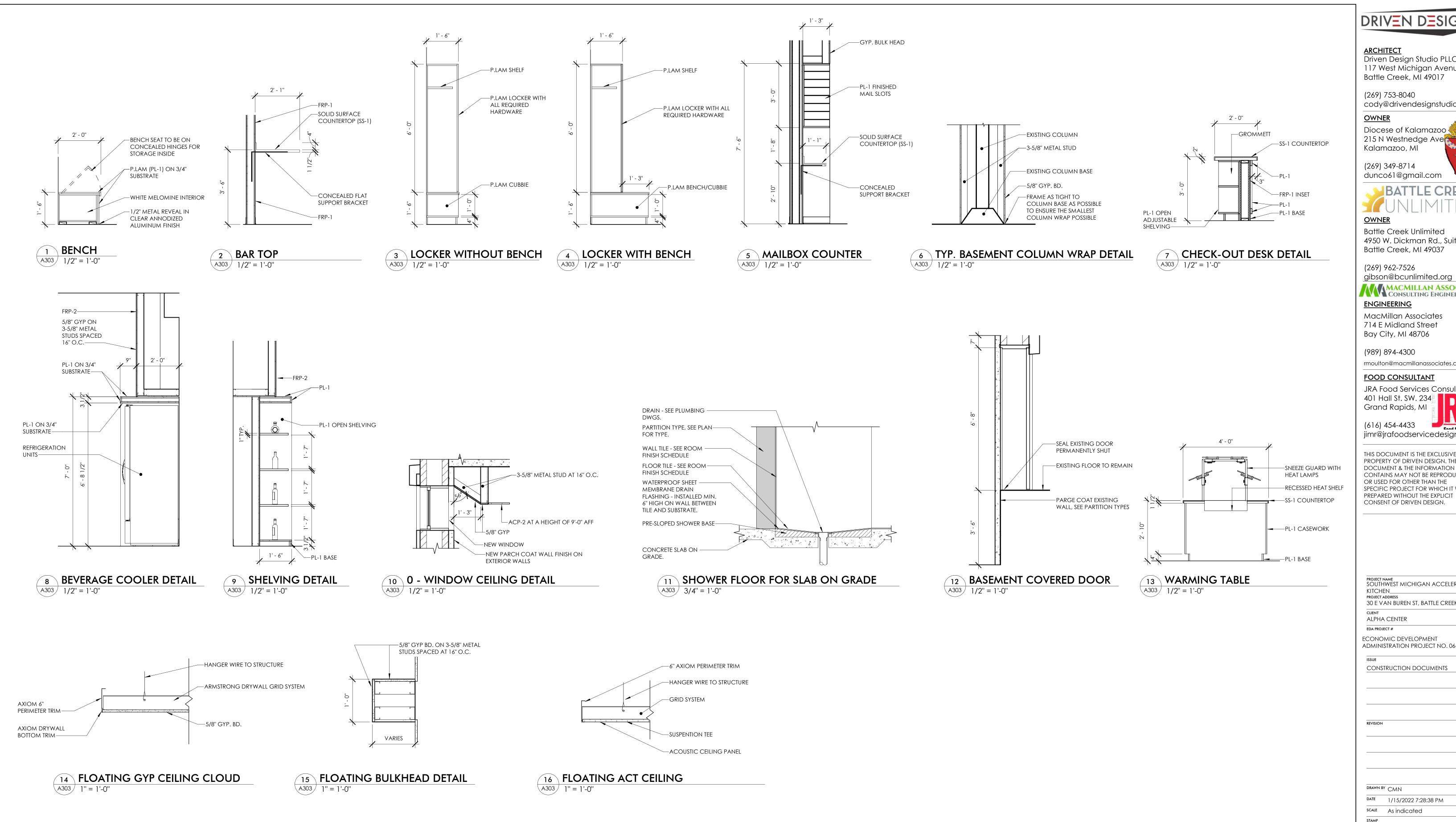
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SCALE 1/4" = 1'-0"

PROJECT NUMBER 2020.45

INTERIOR ELEVATIONS



ARCHITECT

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(269) 753-8040 cody@drivendesignstudio.com

<u>OWNER</u>

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JRA Food Services Consultants_

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PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR KITCHEN_____ PROJECT ADDRESS

30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER

EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

CONSTRUCTION DOCUMENTS

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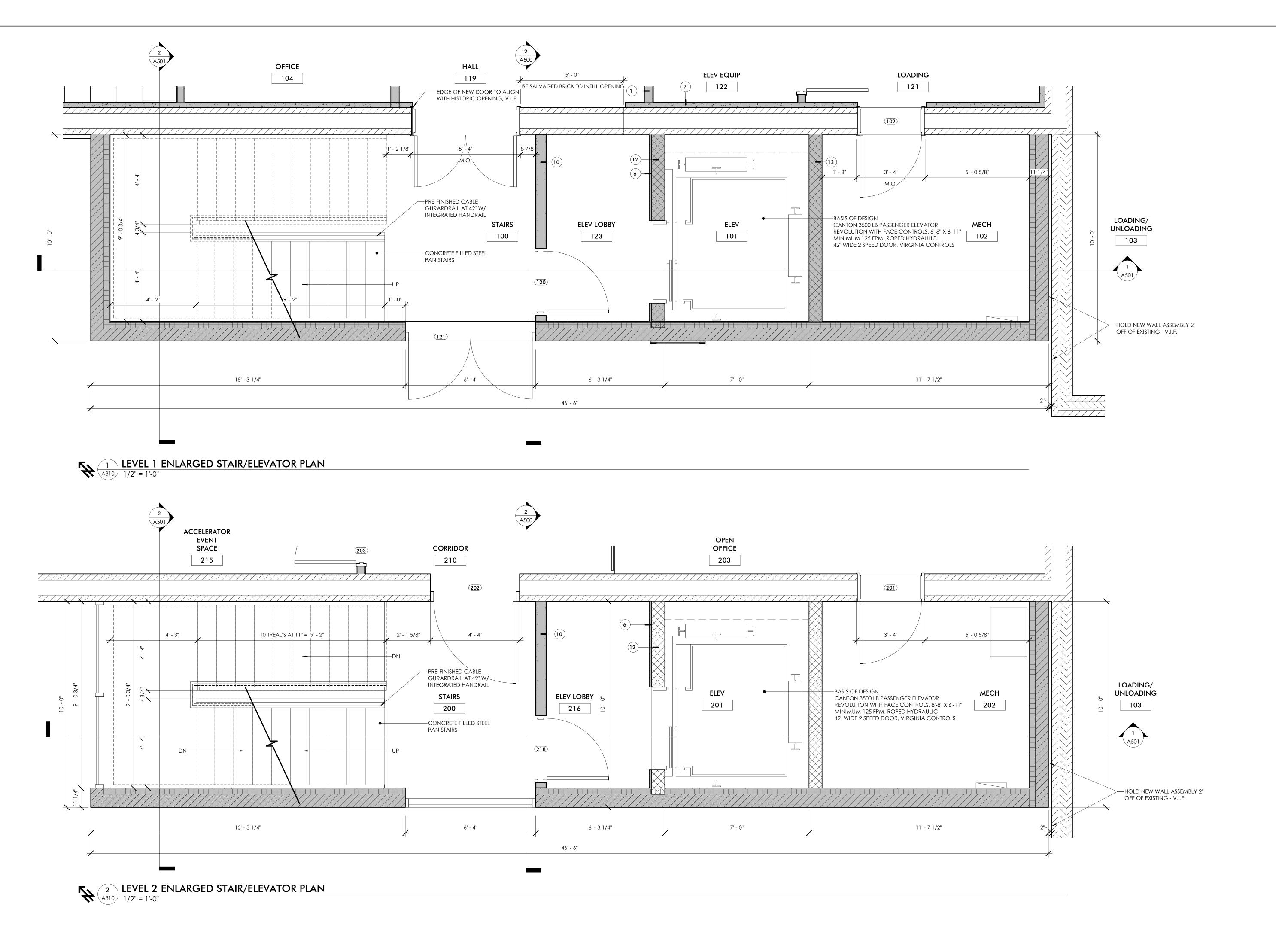
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scale As indicated

2020.45

A303

INTERIOR DETAILS



ARCHITECT

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PROJECT NAME
SOUTHWEST MICHIGAN ACCELERATOR
KITCHEN
PROJECT ADDRESS
30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER

EDA PROJECT #

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CONSTRUCTION DOCUMENTS

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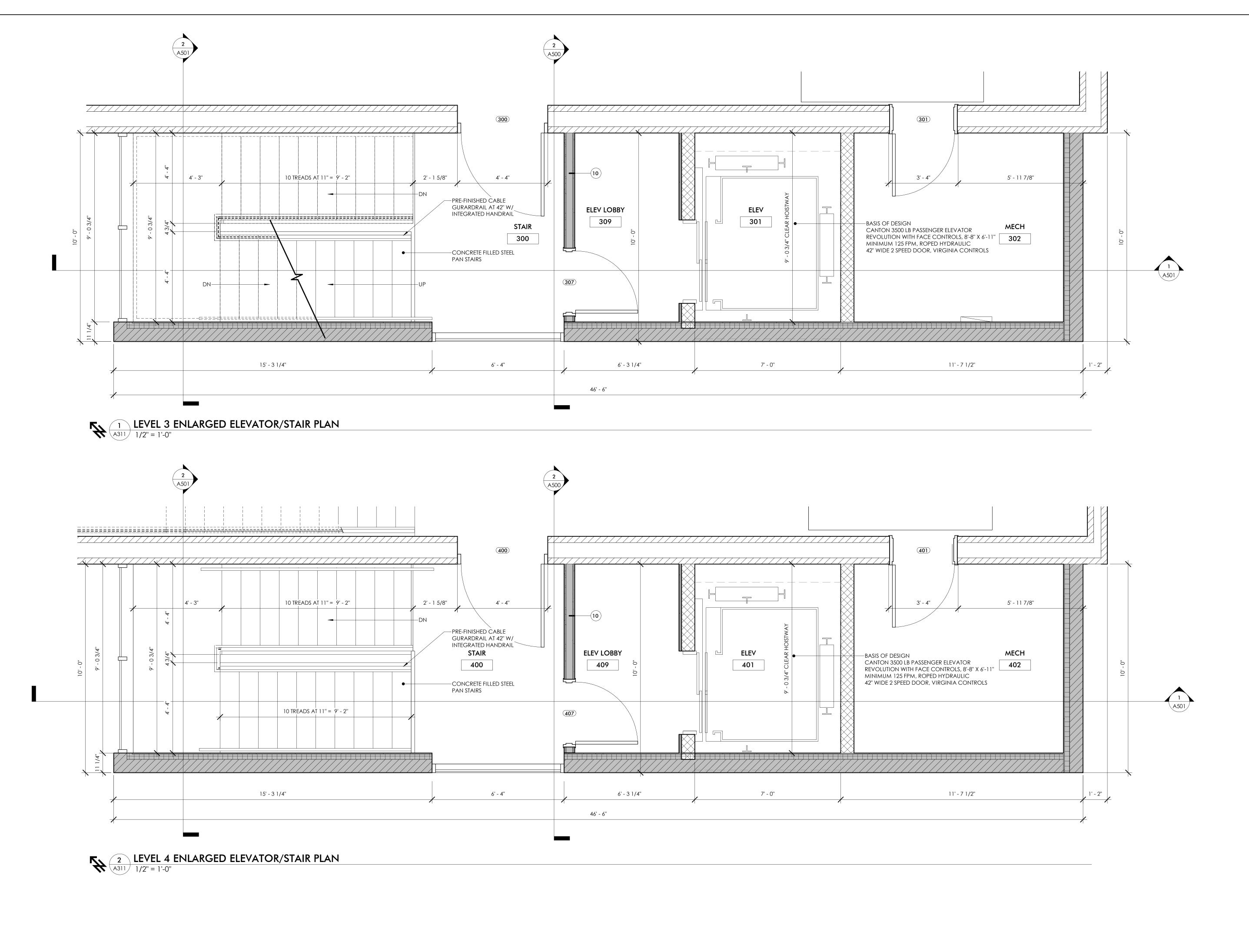
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PROJECT NUMBER 2020.45

ELEVATOR AND STAIR PLANS



<u>ARCHITECT</u>

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KITCHEN
PROJECT ADDRESS
30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER

EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

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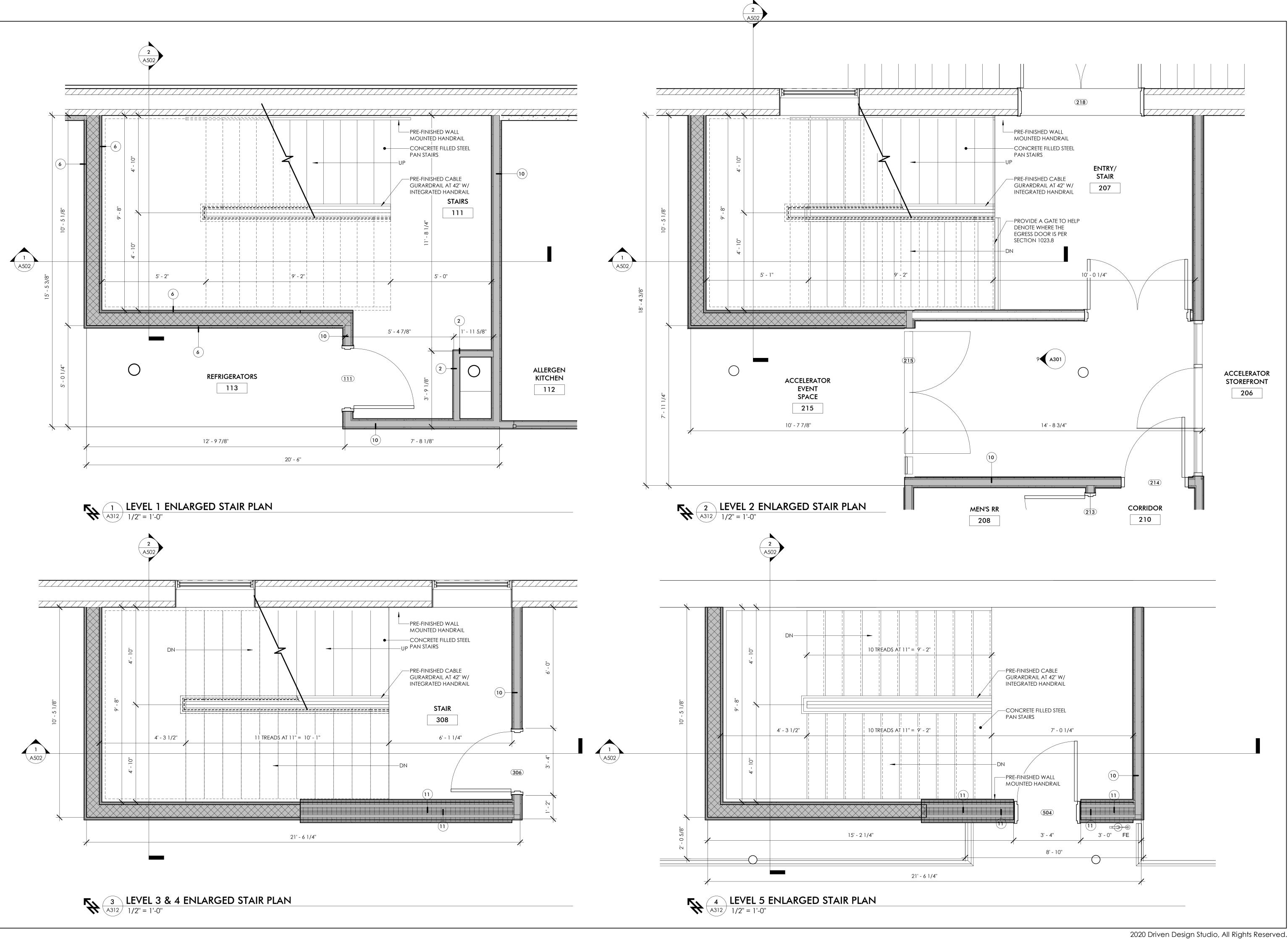
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PROJECT NUMBER 2020.45

A311

ELEVATOR AND STAIR PLANS



ARCHITECT

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ALPHA CENTER

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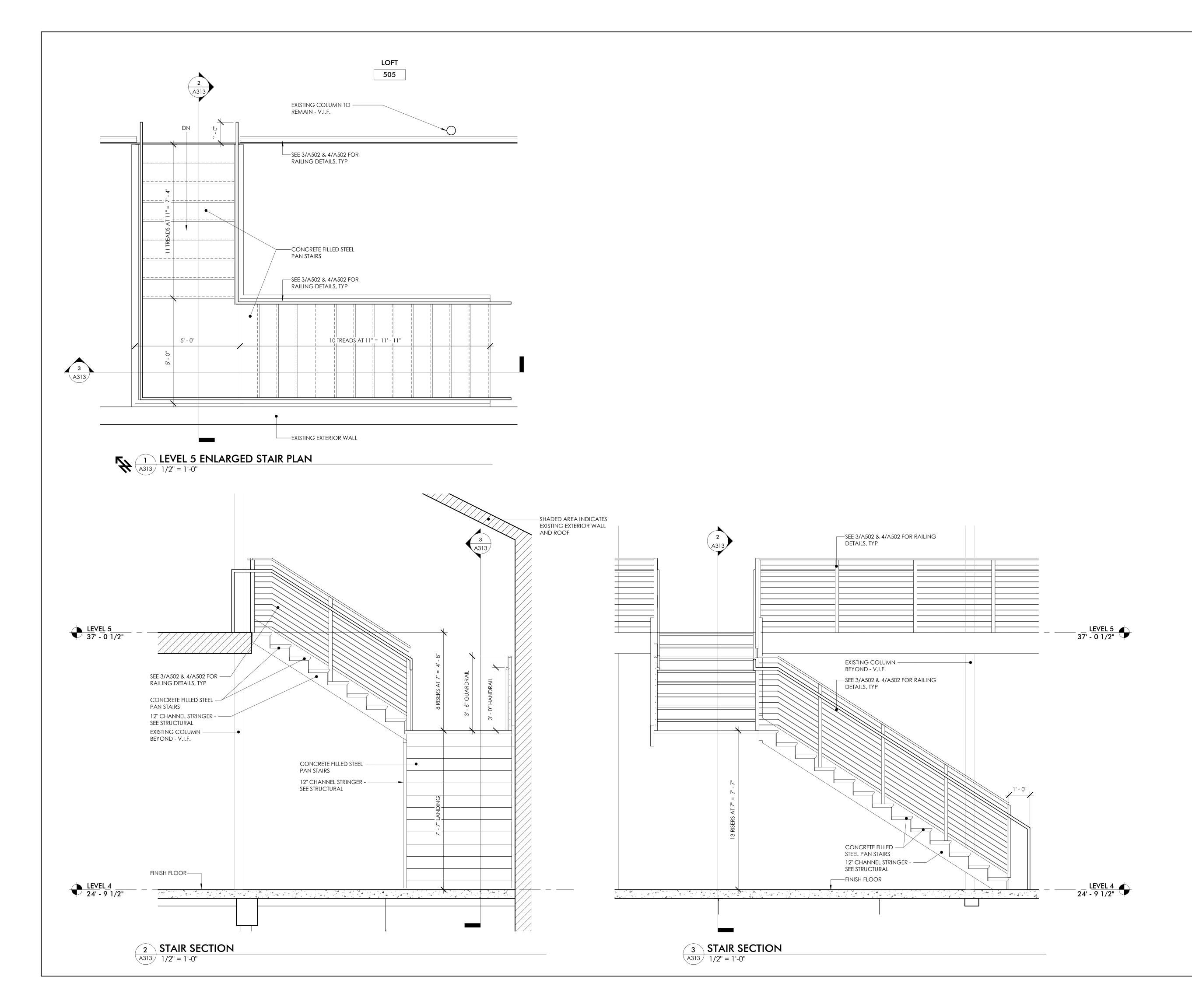
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PROJECT NUMBER 2020.45

ENLARGED STAIR PLANS



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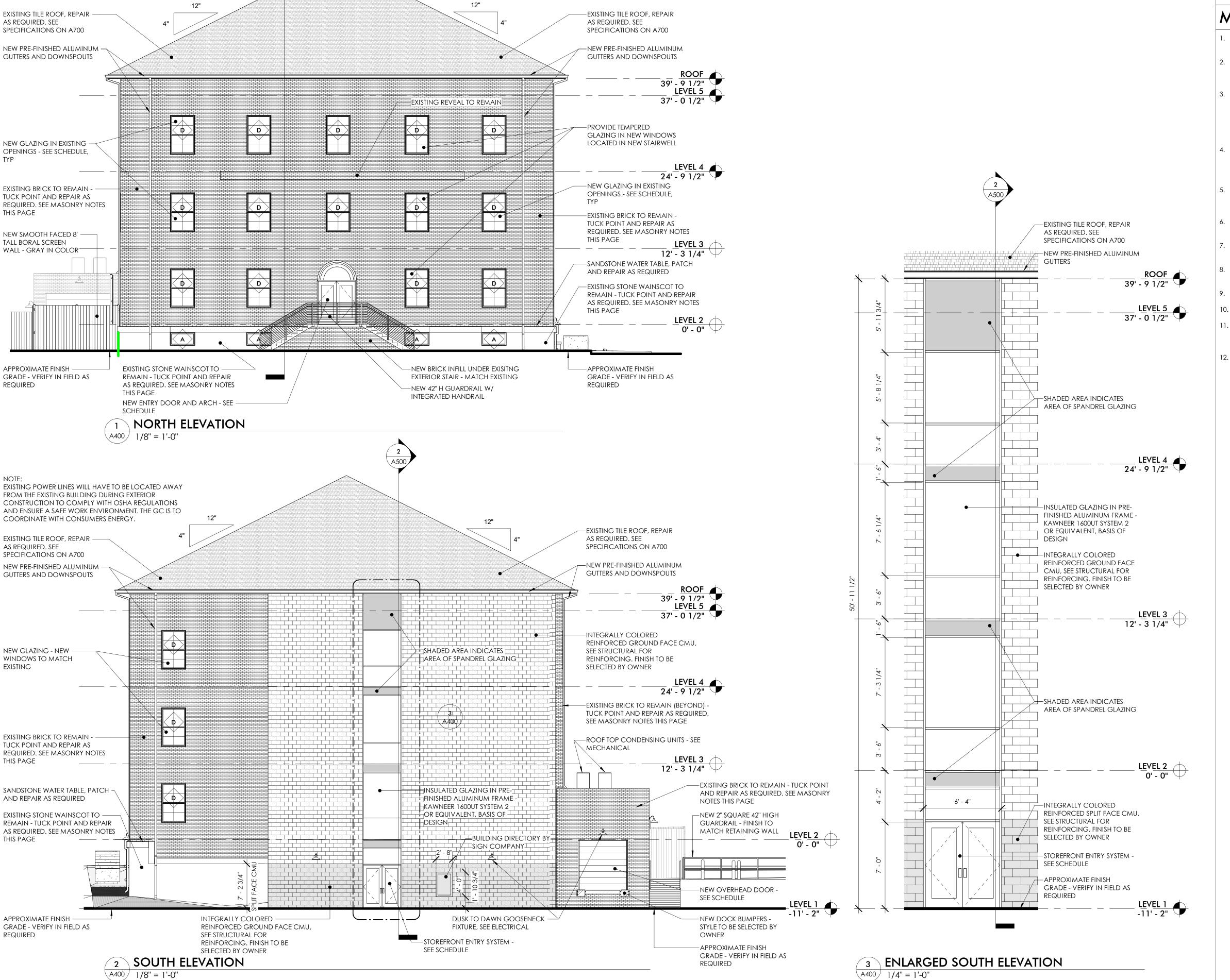
CONSTRUCTION DOCUMENTS

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scale 1/2" = 1'-0"

PROJECT NUMBER

2020.45 ENLARGED STAIR PLAN & DETAILS



EXISTING POWER LINES WILL HAVE TO BE LOCATED AWAY

CONSTRUCTION TO COMPLY WITH OSHA REGULATIONS

AND ENSURE A SAFE WORK ENVIRONMENT. THE GC IS TO

A400 / 1/8'' = 1'-0''

FROM THE EXISTING BUILDING DURING EXTERIOR

COORDINATE WITH CONSUMERS ENERGY.

GENERAL NOTES

- 1. EACH SUB-CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS.
- 2. MASONRY AND EXTERIOR WINDOW REPLACEMENT NOTES ARE OUTLINED BELOW.
- 3. FLOOR HEIGHTS ARE SHOWN FOR REFERENCE ONLY, VERIFY IN THE FIELD AS REQUIRED.
- 4. ALL WORK OUTLINED ON THE EXTERIOR ELEVATIONS IS SCHEMATIC IN NATURE. EACH SUBCONTRACTOR IS TO VISIT THE SITE AND VERIFY THEIR SCOPE OF WORK.
- 5. SEE A700 FOR ADDITIONAL EXTERIOR NOTES/SPECIFICATIONS

MASONRY NOTES

- . MASONRY IS REQUIRED ON ALL THREE FACADES. MASON IS TO FIELD VERIFY ALL CONDITIONS.
- MASONRY RESTORATION CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, SUPERVISION, PROTECTION OF THE PUBLIC, EQUIPMENT AND EXPENSES REQUIRED TO COMPLETE THE WORK. THIS INCLUDES LIFTS, SCAFFOLDING, JOB TRAILER, ETC.
- THE MASONRY RESTORATION SHALL MEET THE SECRETARY OF THE INTERIORS STANDARDS FOR REHABILITATION OF HISTORIC PROPERTIES AND INCLUDE ANY WORK REQUIRED TO MEET THOSE STANDARDS WHETHER SHOWN IN THE CONSTRUCTION DOCUMENTS OR NOT. THE DRAWINGS ARE PROVIDED AS GUIDELINES FOR THIS WORK, THE MASONRY CONTRACTOR IS TO MEET WITH THE ARCHITECT TO REVIEW AND CONFIRM THE SCOPE OF
- TUCKPOINTING MOVING JOINTS: WITHIN THIS AREA PROVIDE THE PROPER SURFACE PREPARATION BUT RATHER THAN INSTALL A RIGID MORTAR, INSTALL A NEUTRAL CURE SILICONE WITH A COLOR TO MATCH. FOLLOWED BY A DRY CAST OF AGGREGATE TO MIMIC THE LOOK OF HT MORTAR BUT ALLOW FOR MINOR AMOUNTS OF MOVEMENT.
- BRICK REPLACEMENT: ONLY BRICK THAT HAS ERODED MORE THAN 1" BEYOND THE ORIGINAL FACE SHALL BE REMOVED AND REPLACED WITH AS CLOSE AS POSSIBLE MATCHING BRICK. MORTAR SELECTION FOR THIS WORK WILL BE TYPE K MORTAR.
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- GENERAL CONTRACTOR TO PROVIDE WATER, POWER, SANITARY SERVICES AND ANY NECESSARY PERMITS FOR WORK.
- . CLEAN UP: MASON TO CLEAN UP AND REMOVE ALL ITEMS ASSOCIATED WITH THEIR WORK AND DISPOSE OF PROPERLY OFF SITE.
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- 10. SEE FLOOR PLAN AND ELEVATIONS FOR NEW WINDOW LOCATIONS.
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- A. MORTAR MATCHING SHALL BE ACHIEVED VIA MATCHING PRE-MADE BISCUITS,
- FOLLOWED BY AN ONSITE MATCH VERIFIED BY THE ARCHITECT, PRIOR TO REPOINTING. B. MIX DESIGN SHALL BE A LIME PUTTY-BASED MORTAR WITH MATCHING AGGREGATE TO ACHIEVE NATIONAL PARK STANDARDS OF PROPER BOND AND SAME OR LOWER
- COMPRESSIVE STRENGTH AS THE MATCHING MORTAR. C. REMOVE DETERIORATED MORTAR (A MINIMUM DEPTH OF TWO TIMES THE WIDTH OF MORTAR JOINT). ALL PROCEDURES ARE TO FOLLOW THE CURRENT OSHA STANDARD
- FOR SILICA DUST CONTROL WHEN PERFORMING THIS WORK. D. BRUSH, VACUUM OR WATER FLUSH TO REMOVE DEBRIS IN THE JOINT.
- THROUGH CLOSE EXAMINATION DETERMINE THE EXTENT OF DETERIORATION IN THE JOINT AND SURROUNDING AREA.
- F. REWORK THE JOINT AS REQUIRED.
- G. BRUSH, VACUUM OR WATER FLUSH TO REMOVE DEBRIS IN THE JOINT.
- H. WATER-SOAK THE BRICK (TO SATISFY THE POROSITY OR THIRST OF THE BRICK). I. PRE-WET TO REDUCE THE AMOUNT OF INITIAL DEHYDRATION OF THE MORTAR THAT IS ABOUT TO BE REPLACED.
- J. DELIVER MORTAR TO THE PREPARED JOINT. SEVERAL LAYERS MAY BE REQUIRED TO FILL THE JOINT FLUSH WITH THE OUTER SURFACE OF THE MASONRY.
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- M. WAIT FOR THE MORTAR TO SET UNTIL IT IS READY TO BE COMPACTED. N. DRY BRUSH COMPACT THE JOINTS TO ALLOW FOR FURTHER DEVELOPMENT OF A BOND
- BETWEEN OLD MORTAR AND BRICK. O. PRE-WET TO SATURATE THE BRICK IN PREPARATION FOR THE LAST STEP.
- P. WEATHERING WASH TO MATCH THE OLD AND NEW MASONRY.

<u>ARCHITECT</u>

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PROJECT NAME
SOUTHWEST MICHIGAN ACCELERATOR KITCHEN_ PROJECT ADDRESS

30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER

EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

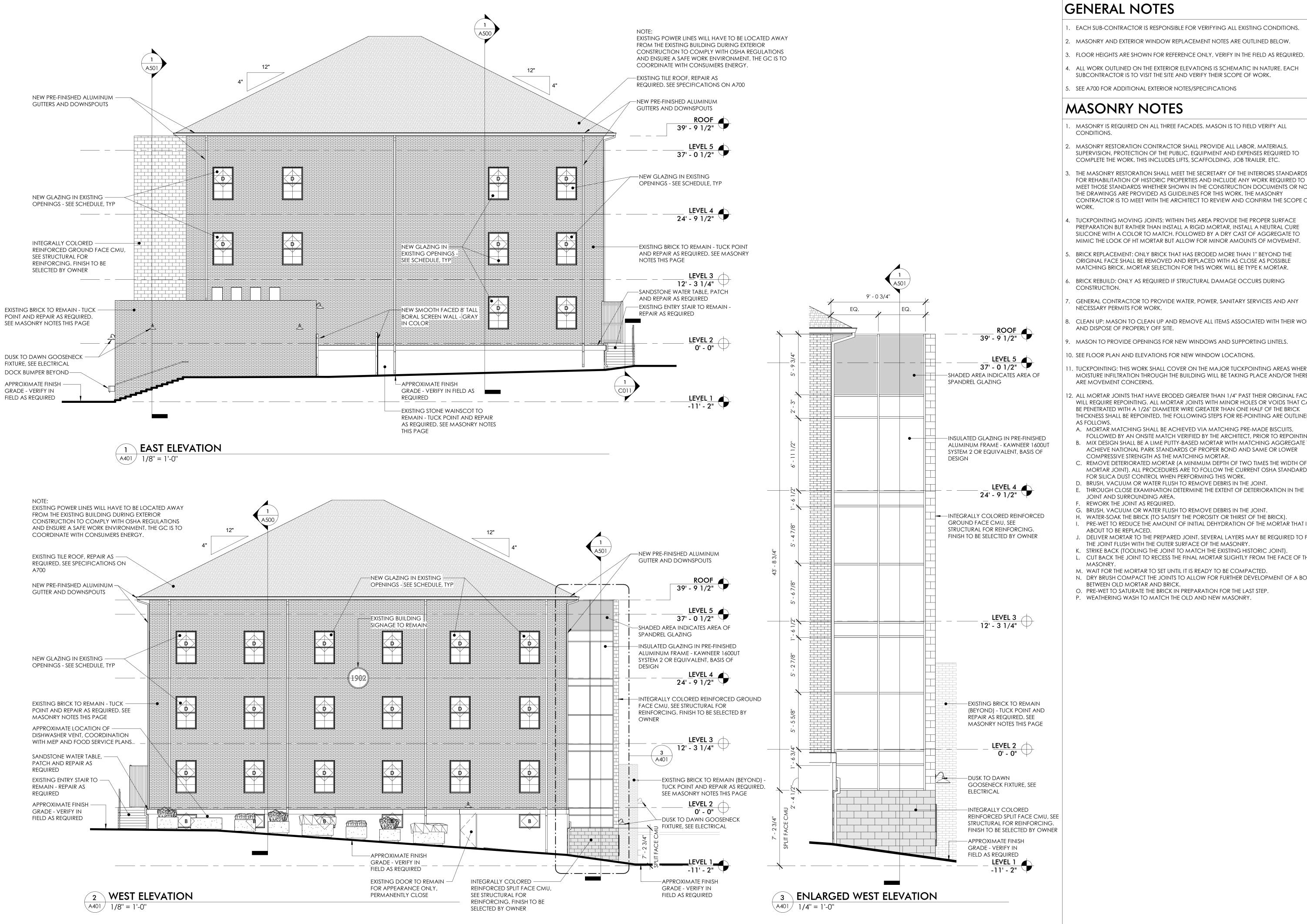
CONSTRUCTION DOCUMENTS

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scale As indicated

PROJECT NUMBER 2020.45

EXTERIOR ELEVATIONS



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30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER EDA PROJECT #

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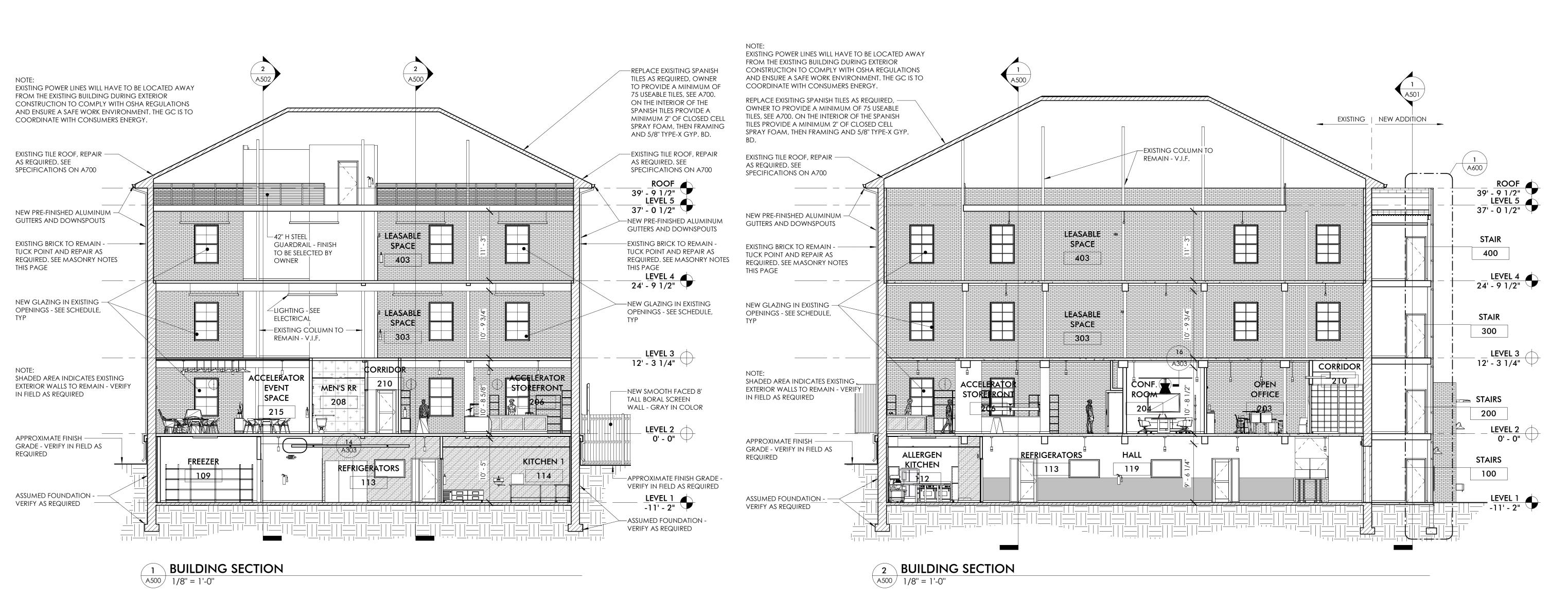
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PROJECT NUMBER 2020.45

EXTERIOR ELEVATIONS



ARCHITECT
Driven Design

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30 E VAN BUREN ST, BATTLE CREEK, MI

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ADMINISTRATION PROJECT NO. 06-01-06174

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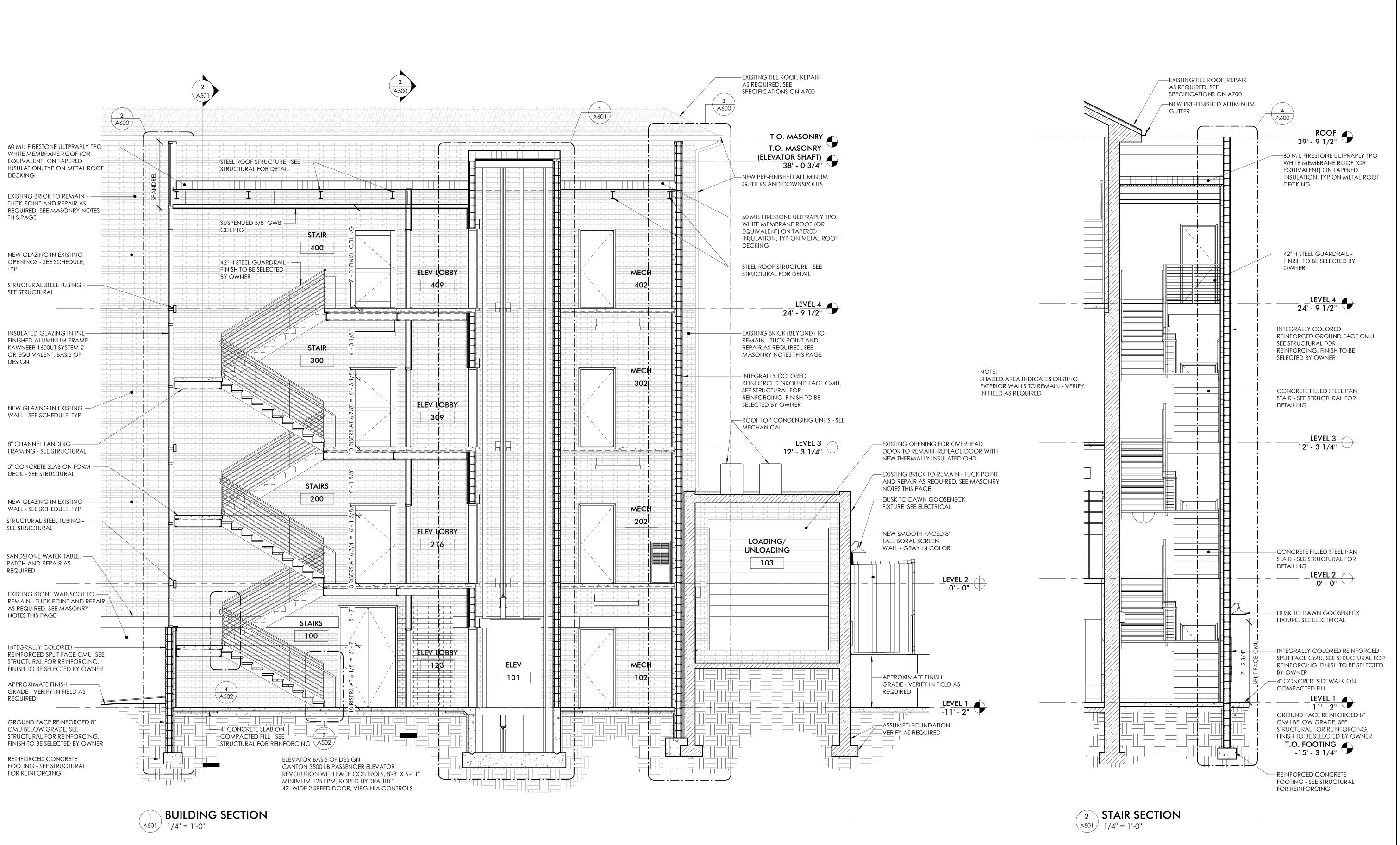
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PROJECT NUMBER
2020.45

BUILDING SECTIONS



<u>ARCHITECT</u>

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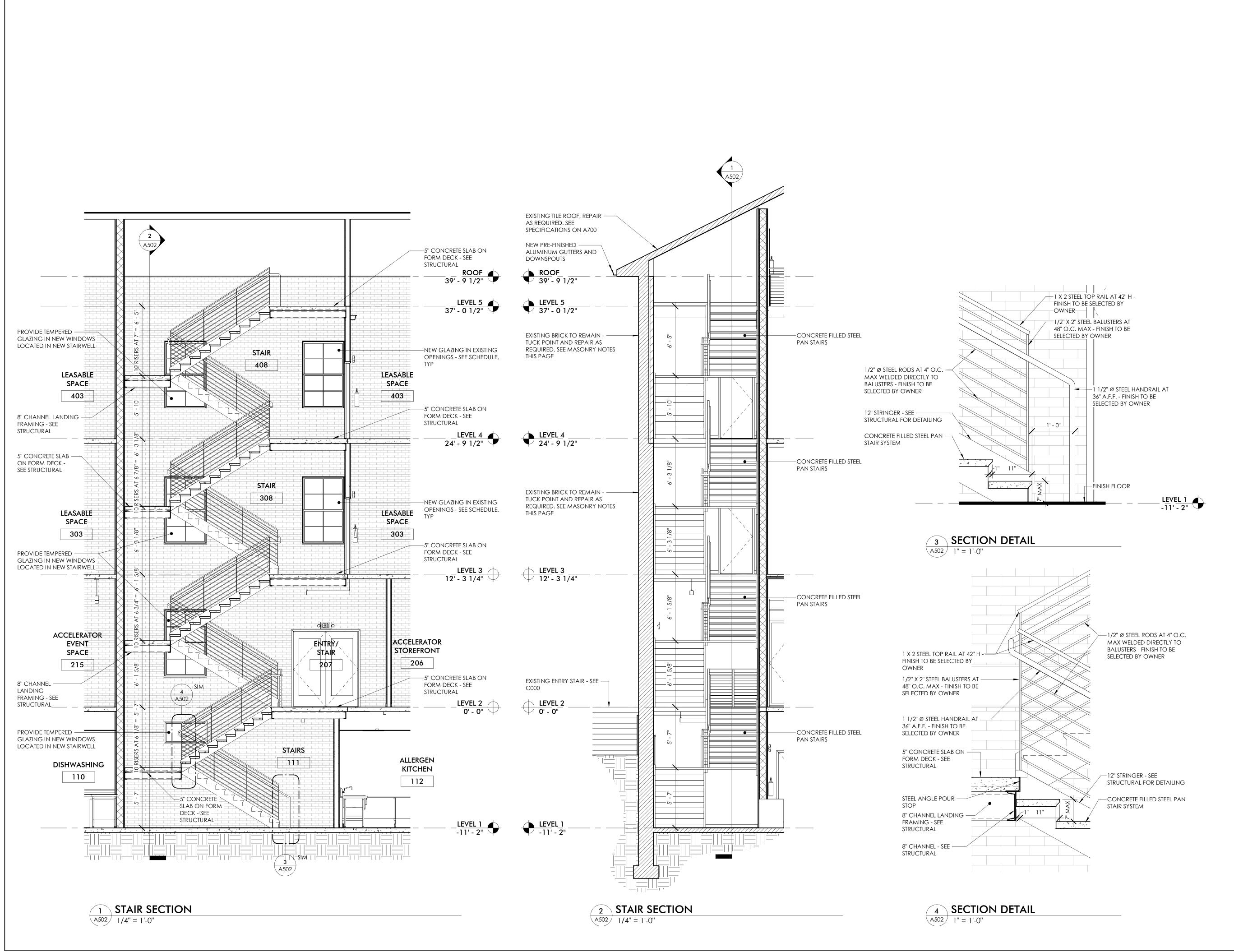
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PROJECT NUMBER 2020.45

BUILDING SECTIONS

A501





ARCHITECT

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PROJECT NAME
SOUTHWEST MICHIGAN ACCELERATOR
KITCHEN
PROJECT ADDRESS
30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER

EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

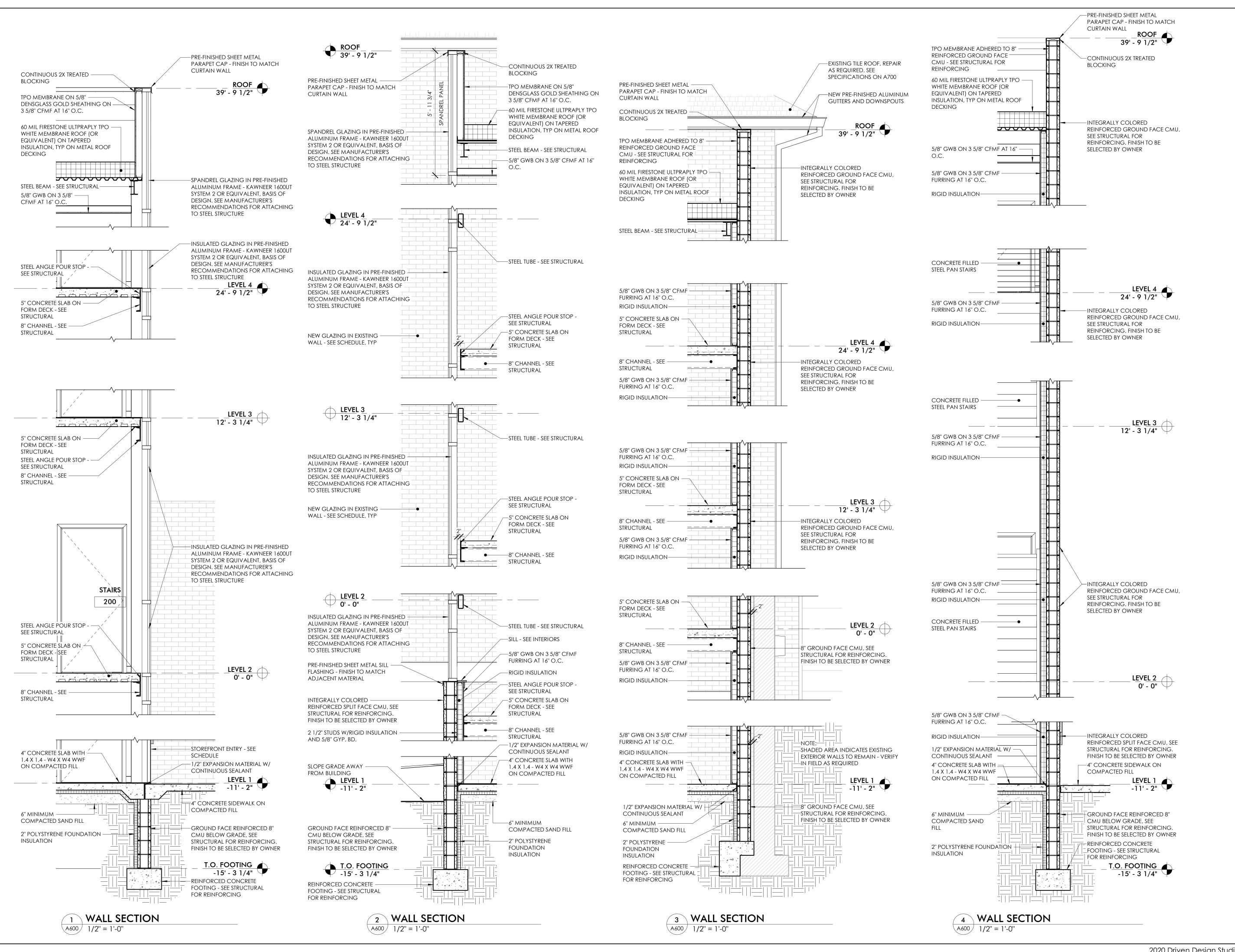
CONSTRUCTION DOCUMENTS

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STAMP As indicated

PROJECT NUMBER
2020.45

BUILDING SECTIONS





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EVISION

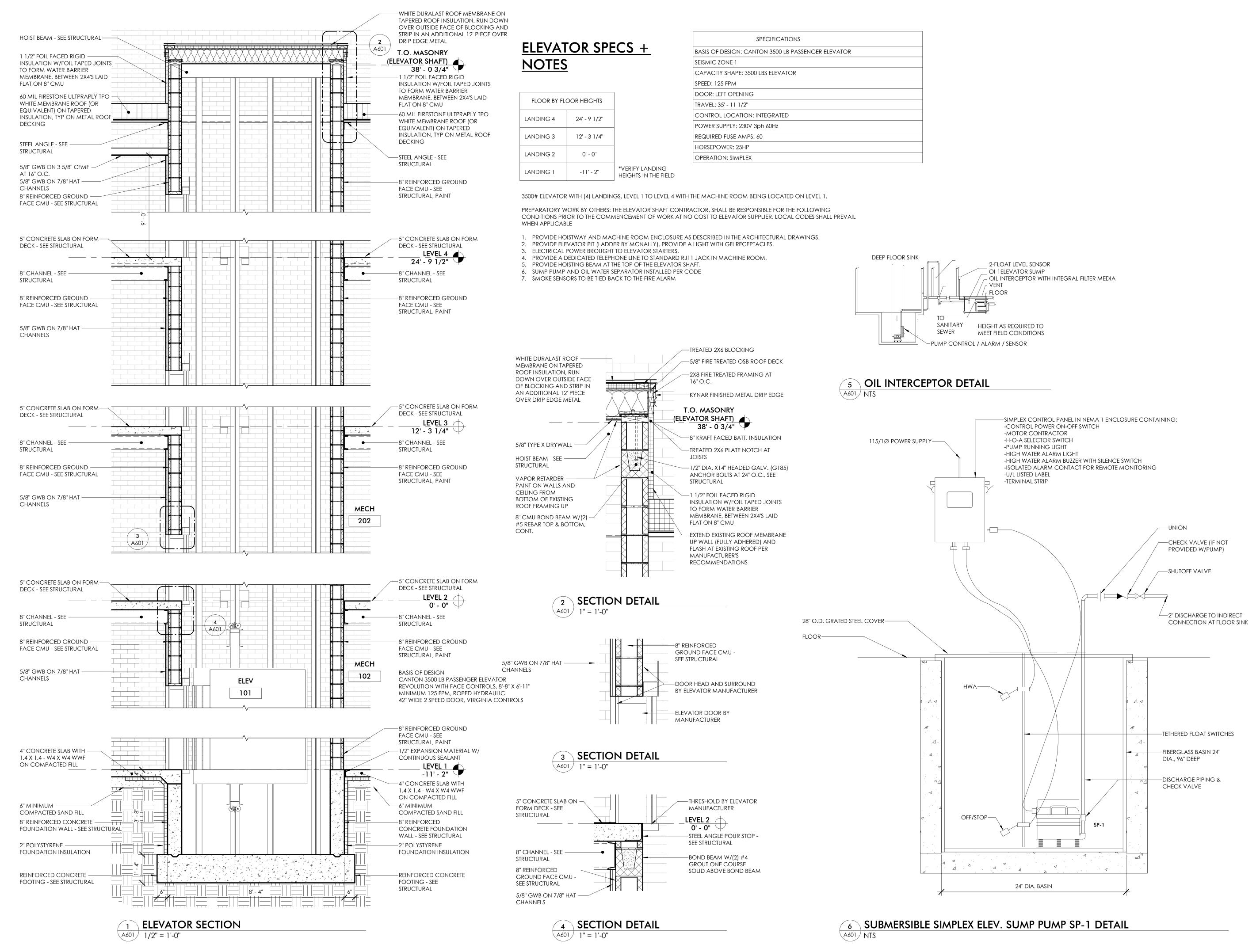
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PROJECT NUMBER 2020.45

WALL SECTIONS



<u>ARCHITECT</u>

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KITCHEN_____
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30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER

EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

issue
CONSTRUCTION DOCUMENTS

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SIAMI

PROJECT NUMBER

2020.45

ELEVATOR SECTION & DETAILS

EXTERIOR SPECIFICATIONS

ROOF REPAIRS/REPLACEMENT AND ASSOCIATED GROUTING: MISSING, CRACKED, OR SLIDING TILES WILL BE REPLACED UTILIZING THE EXISTING SPARE TILES PROVIDED BY SOUTHWEST MICHIGAN ACCELERATOR KITCHEN. THERE ARE CURRENTLY 75 TILES THAT CAN BE UTILIZED FOR REPLACEMENT. PROCEDURAL METHODS FOR WORKING ATOP THE ROOF WILL BE SUBMITTED PRIOR TO BEGINNING ANY REPAIRS. ALL NAILS AND HOOKS WILL BE EITHER STAINLESS STEEL OR COPPER. BENT COPPER FLAPS WILL NOT BE UTILIZED. CONTRACTOR WILL PROVIDE AN EACH BID FOR PIECES NOT SHOWN ON THE DRAWINGS.

ROOF TILE SPECIFICATION: EXISTING ROOF TILES ARE LUDWICI CHICAGO IMPERIAL TILE PATENT NO. 283126. ALL NEW ROOF TILES THAT ARE REQUIRED OUTSIDE OF THE SUPPLIED 75 REPLACEMENT TILES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO FABRICATE AND INSTALL, INCLUDING BRACKETS. ALL NEW TILES ARE REQUIRED TO MATCH EXISTING.

ROOF TILE GROUTING: ALL LOOSE OR MISSING CAP TILE GROUT SHALL BE REMOVED AND REPLACED WITH TYPE K MORTAR.

EXISTING SANDSTONE REPAIRS/CLEANING:

- CLEANING: EXISTING MICHIGAN PINK SANDSTONE WILL BE CLEANED VIA POWER WASHING WITH NO GREATER THAN 700 PSI TIP (POINT OF IMPACT) STRENGTH. ALL POWER WASHING WANDS WILL HAVE STAND OFFS PROVIDED TO PREVENT DAMAGE. SAMPLE CLEANING WILL BE PROVIDED WITH THE STAND OFFS FOR THE OWNER'S AND ARCHITECT'S INSPECTION AND ACCEPTANCE.
- DRY TIME: A MINIMUM OF 24 HOURS OF DRY TIME TO THE SANDSTONE IS NEEDED PRIOR TO WIRE BRUSHING.
- WIRE BRUSHING: WIRE BRUSHING TO REMOVE THE REMAINING EXFOLIATED SANDSTONE WILL BE WITH HAND (NOT POWER) PROVIDED WIRE BRUSHING WITH STAINLESS STEEL BRUSHES.
- CONSOLIDATION: ALL SANDSTONE WILL BE CONSOLIDATED UTILIZING PROSOCO® H100 CONSOLIDATION MATERIAL OR APPROVED EQUAL.
- CYCLES: AS SHOWN ON THE DRAWINGS, A MINIMUM OF ONE CYCLE (3 APPLICATIONS) WILL PROVIDED TO ALL SANDSTONE. HOWEVER, THE NUMBER OF CYCLES WILL BE AS SHOWN ON THE DRAWINGS FOR EACH PIECE OF SANDSTONE.
- DRIPPAGE: ACCOMMODATIONS WILL BE PROVIDED BY THE CONTRACTOR TO ELIMINATE
- STONE PATCHING: ALL SANDSTONE THAT IS TO BE REQUIRED TO BE PATCHED BACK SHALL BE PATCHED BACK BY A CERTIFIED MASON. CERTIFICATION AND MATERIALS SHALL BE BY THE FOLLOWING COMPANIES:
- EDISON 2. CATHEDRAL STONE PRODUCTS, JAHN
- 3. CONPROCO 4. OR APPROVED EQUAL.
- BRICK CLEANING SPECIFICATIONS: ALL BRICK AND STONE WILL BE CLEANED UTILIZING A PREWASH, ACID CLEANING WITH PROSOCO HEAVY DUTY RESTORATION CLEANER OR APPROVED EQUAL, FOLLOWED WITH A SECOND POWER WASHING. POWER WASHING STANDARDS AS DESCRIBED IN THE SANDSTONE REPAIRS WILL BE UTILIZED.
- REPOINTING: ALL MORTAR JOINTS THAT HAVE ERODED GREATER THAN 1/4" PAST THEIR ORIGINAL FACE SHALL REQUIRE REPOINTING, ALL MORTAR JOINTS WITH MINOR HOLES OR VOIDS THAT CAN BE PENETRATED WITH A 1/16" DIAMETER WIRE GREATER THAN ONE HALF OF THE BLOCK THICKNESS SHALL BE REPOINTED. THE FOLLOWING 16 STEPS TO PROPER RE-POINTING SHALL BE FOLLOWED:
- 1. MORTAR MATCHING SHALL BE ACHIEVED VIA MATCHING PRE-MADE BISCUITS, FOLLOWED BY AN ONSITE MATCH TO BE VERIFIED BY THE OWNERS REPRESENTATIVE PRIOR TO REPOINTING.
- 2. MIX DESIGN SHALL BE A LIME PUTTY-BASED TYPE K MORTAR WITH MATCHING AGGREGATE TO ACHIEVE NATIONAL PARK STANDARDS OF PROPER BOND AND SAME OR LOWER COMPRESSIVE STRENGTH AS THE MATCHING MORTAR AT 365 DAYS.
- 3. REMOVE DETERIORATED MORTAR (A MINIMUM DEPTH OF TWO TIMES THE WIDTH OF MORTAR JOINT). ALL PROCEDURES WILL FOLLOW THE CURRENT OSHA STANDARD FOR SILICA DUST CONTROL WHEN PERFORMING THIS WORK.
- 4. BRUSH, VACUUM, OR WATER FLUSH TO REMOVE DEBRIS IN THE JOINT.
- 5. THROUGH CLOSE EXAMINATION DETERMINE THE EXTENT OF DETERIORATION IN THE JOINT AND SURROUNDING AREA.
- 6. REWORK THE JOINT, AS NECESSARY.
- 7. AIR BLAST TO REMOVE DEBRIS IN THE JOINT.
- 8. WATER-SOAK THE BLOCK (TO SATISFY THE POROSITY OR THIRST OF THE BRICK).
- 9. PRE-WET TO REDUCE THE AMOUNT OF INITIAL DEHYDRATION OF THE MORTAR THAT IS ABOUT TO BE REPLACED.
- 10. DELIVER MORTAR TO THE PREPARED JOINT. SEVERAL LAYERS MAY BE REQUIRED TO FILL THE JOINT FLUSH WITH THE OUTER SURFACE OF THE MASONRY.
- 11. STRIKE BACK (TOOLING THE JOINT TO MATCH THE EXISTING HISTORIC JOINT).
- 12. CUT BACK THE JOINT TO RECESS THE FINAL MORTAR SLIGHTLY FROM THE FACE OF THE
- 13. WAIT FOR THE MORTAR TO SET UNTIL IT IS READY TO BE COMPACTED.
- 14. DRY BRUSH COMPACT THE JOINTS TO ALLOW FOR FURTHER DEVELOPMENT OF A BOND BETWEEN OLD MORTAR AND BLOCK.
- 15. PRE-WET TO SATURATE THE BRICK IN PREPARATION FOR THE LAST STEP.
- **16.** WEATHERING WASH TO MATCH THE OLD AND NEW MASONRY.

BUY AMERICAN EXECUTIVE ORDER

THIS PROJECT IS PART OF AN EDA (ECONOMIC DEVELOPMENT ADMINISTRATION) GRANT. AS PART OF THE GRANT, THE PROJECT IS TO COMPLY WITH THE BUY AMERICAN EXECUTIVE ORDER NOTED BELOW.

BUY AMERICAN EXECUTIVE ORDER: CONSISTENT WITH EXECUTIVE ORDER 13858, STRENGTHENING BUY-AMERICAN PREFERENCES FOR INFRASTRUCTURE PROJECTS," THE RECIPIENT IS ENCOURAGED TO USE, TO THE GREATEST EXTENT PRACTICABLE, IRON AND ALUMINUM AS WELL AS STEEL, CEMENT, AND OTHER MANUFACTURED PRODUCTS PRODUCED IN THE UNITED STATES IN EVERY CONTRACT, SUBCONTRACT, PURCHASE ORDER, OR SUB-AWARD THAT IS CHARGEABLE UNDER THIS AWARD.

DUE CARE PLAN

THE DUE CARE PLAN PERFORMED BY SME FOR ENVIRONMENTAL QUALITY IS TO BE REVIEWED AND FOLLOWED TO ENSURE THE PROJECT IS COMPLIANCE. THE DUE CARE PLAN HAS BEEN PROVIDED IN THE SPECIFICATIONS FOR THIS PROJECT.

DUE CARE: PRIOR TO ADVERTISING FOR CONSTRUCTION BIDS, THE RECIPIENT SHALL PROVIDE TO EDA A FINAL MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY (MIEGLE) DUE CARE PLAN AS REFERENCED IN THE PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT DATED SEPTEMBER 10, 2019 COVERING 30 EAST VAN BUREN STREET IN BATTLE CREEK MICHIGAN. AS PART OF THIS REQUIREMENT RECIPIENT SHALL PROVIDE EVIDENCE SATISFACTORY TO EDA THAT IT WILL REMAIN IN COMPLIANCE WITH ITS DUE CARE PLAN OBLIGATIONS AS SET FORTH UNDER APPLICABLE LAW, INCLUDING UNDER MCL § 324.20107A OF PART 201 OF THE MICHIGAN NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT BOTH DURING CONSTRUCTION AND AT MINIMUM FOR THE REMAINING USEFUL LIFE OF THE AWARD.

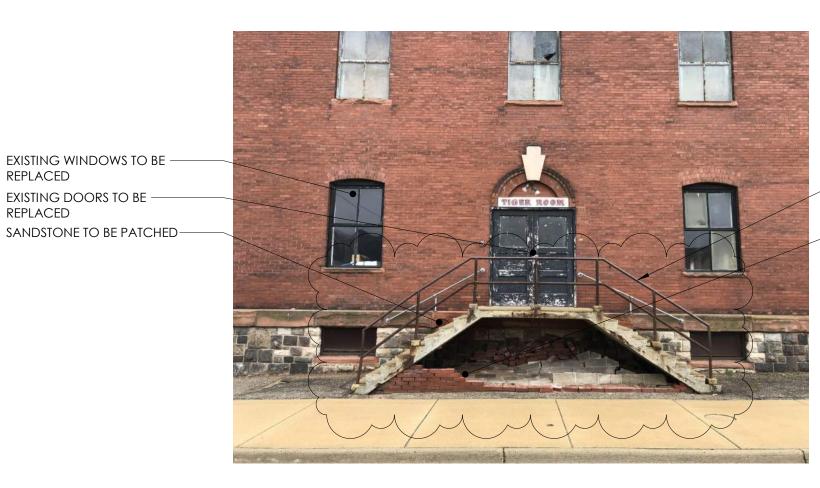
EXTERIOR PHOTOGRAPHS/SPECIFICATIONS

EXISTING WINDOWS TO BE

EXISTING DOORS TO BE

REPLACED

REPLACED



-GROUT ALL EXISTING JOINTS

-REPLACE GUTTER WITH NEW

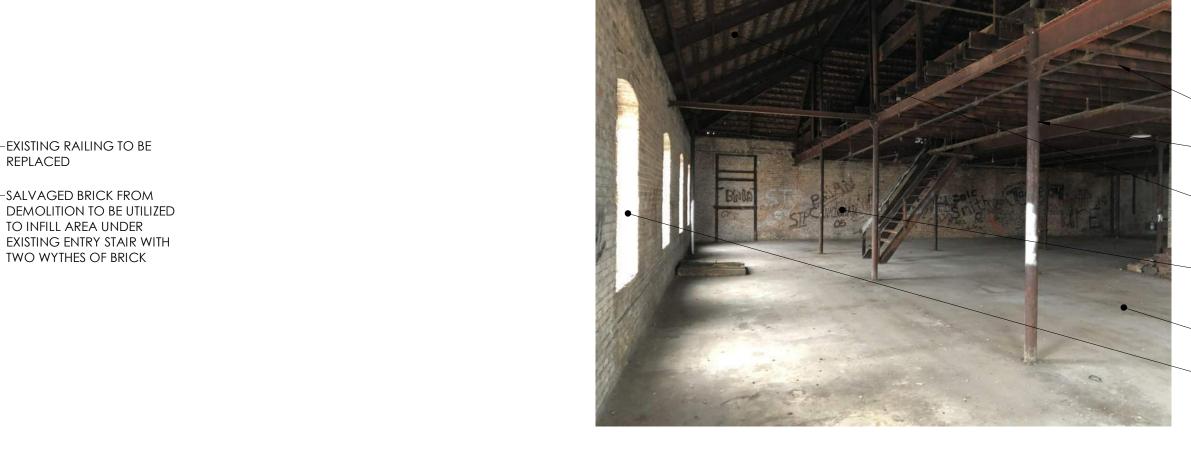
GUTTER TO MATCH EXISTING,

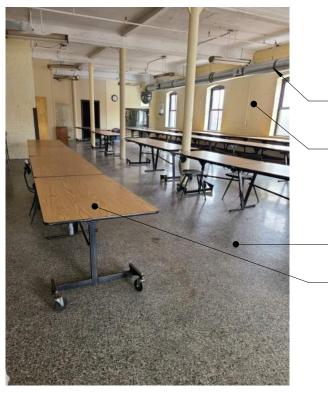
- REPLACE SOFFIT AS REQUIRED

REPLACE FASCIA BOARD AS REQ'D

-SAMPLE AREAS OF REQUIRED TUCK POINTING

ON EXISTING ROOF





-ALL EXISTING WOOD TO BE REMOVED AND SALVAGED

EXISTING STEEL COLUMNS

AND FRAMES TO REMAIN PROVIDE MIN. 2" CLOSED CELL SPRAY FOAM ON

UNDERSIDE OF EXISTING

SPANISH TILES REMOVE ANY PROFANITY, LEAVE ALL OTHER GRAFFITI ON THE UPPER MOST LEVEL

GRIND AND LEVEL EXISTING CONCRETE FLOOR

-REPLACE EXISTING WINDOWS



-REMOVE ALL EXISTING DUCTWORK

ON LEVELS TWO AND THREE, UTILIZE PEEL AWAY #7 TO REMOVE ALL PERIMETER WALL PAINT, REMOVE PEEL AWAY WITH LOW PRESSURE HEAD ON POWER WASHER

-REFINISH EXISTING FLOOR

-REMOVE AND DISPOSE OF ALL EXISTING FURNITURE

<u>ARCHITECT</u>

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PROJECT NAME
SOUTHWEST MICHIGAN ACCELERATOR PROJECT ADDRESS 30 E VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER EDA PROJECT #

ECONOMIC DEVELOPMENT

ADMINISTRATION PROJECT NO. 06-01-06174 CONSTRUCTION DOCUMENTS

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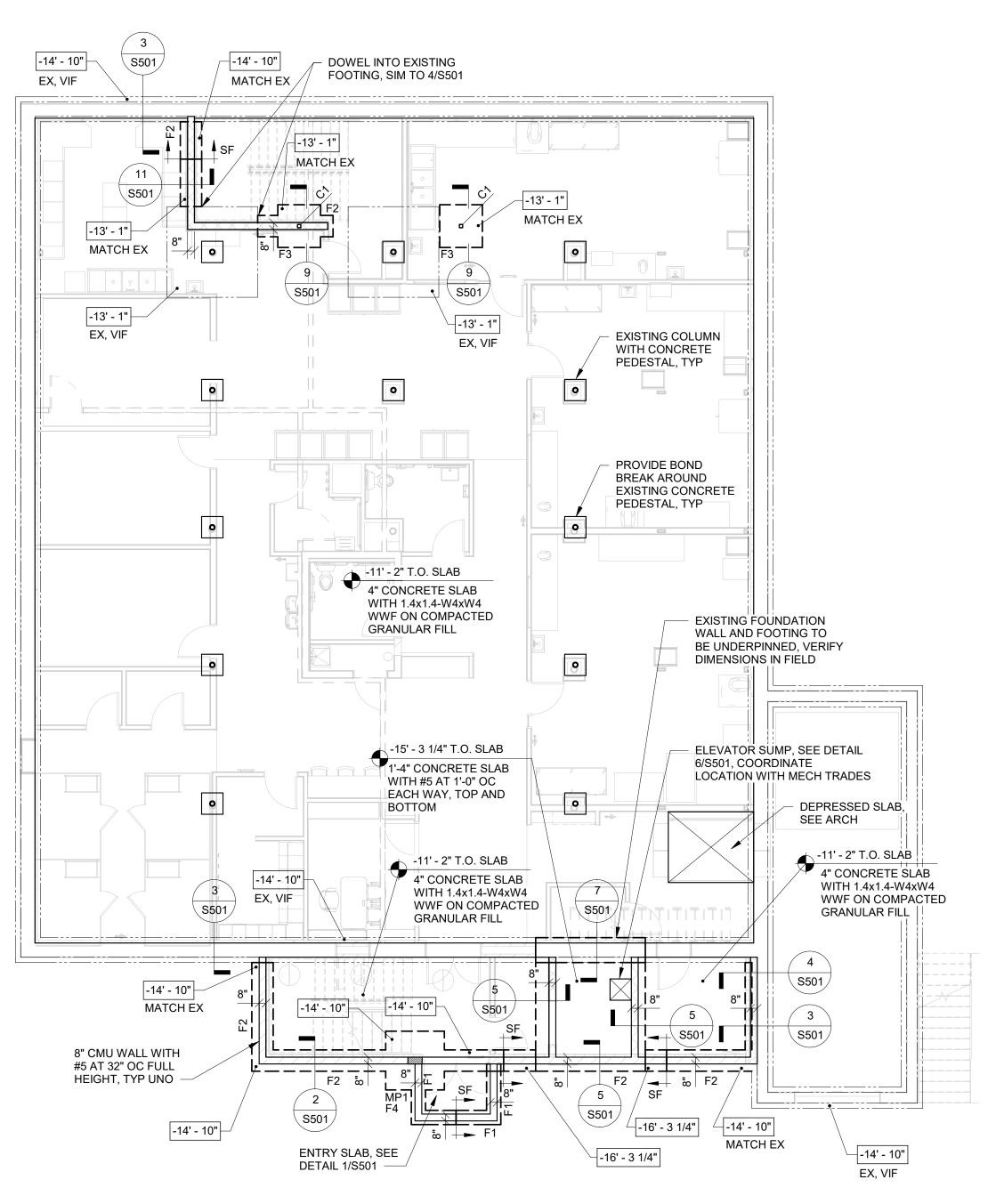
SCALE

PROJECT NUMBER

2020.45

EXTERIOR SPECIFICATIONS

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FOUNDATION PLAN

1/8" = 1'-0"

LEGEND

C1 - STEEL COLUMN, SEE SCHEDULE SHEET S301.

F1 - FOOTING, SEE SCHEDULE ON SHEET S301.

- MASONRY PIER, (2) #5 FULL HEIGHT, DOWEL INTO FOOTING, GROUT SOLID.

SF - STEP FOOTING, SEE DETAIL 10/S501.

- BOTTOM OF FOOTING ELEVATION.

SEE SHEET S301 FOR NOTES.

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SOUTHWEST MICHIGAN ACCELERATOR

30 W VAN BUREN ST, BATTLE CREEK, MI ALPHA CENTER

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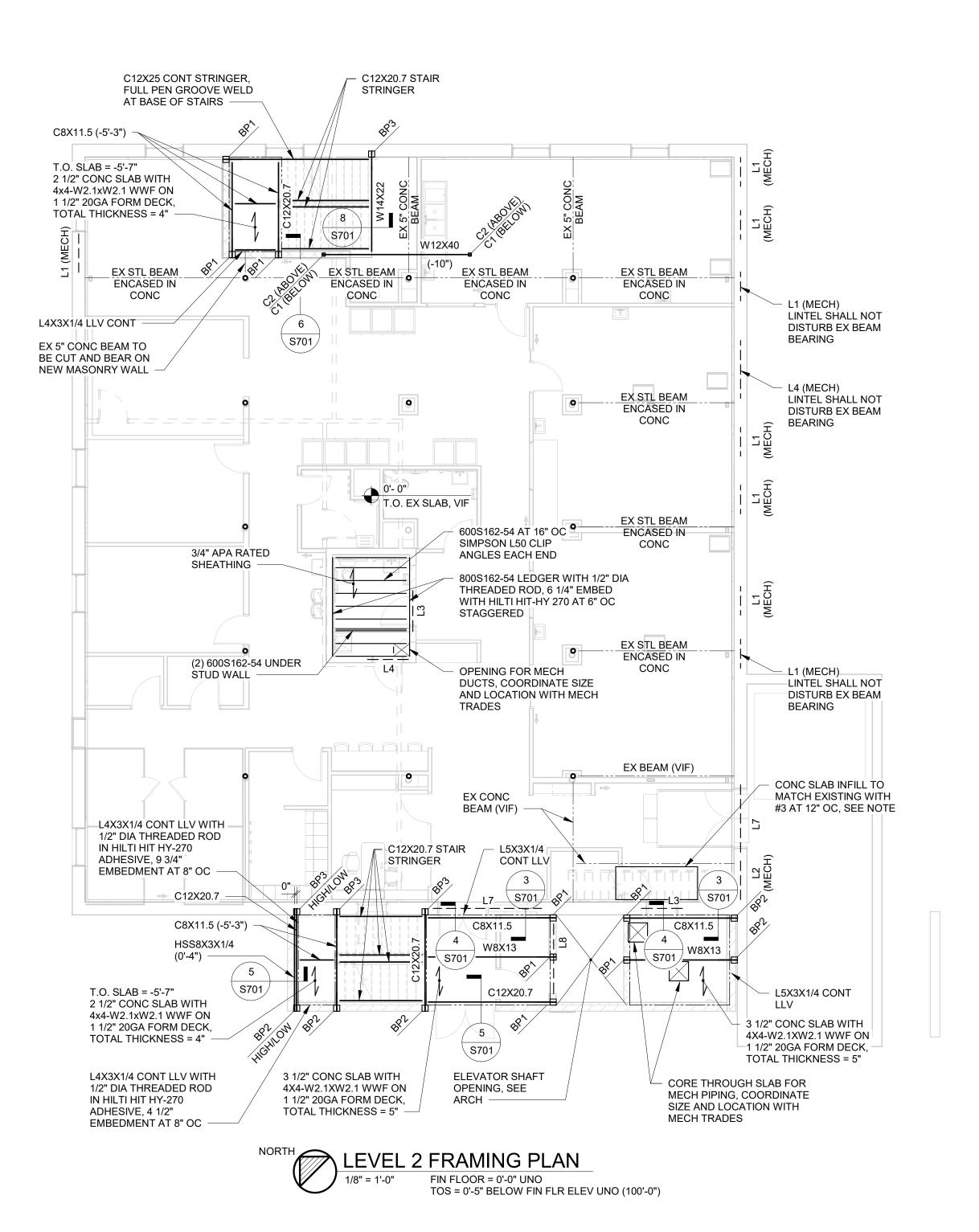
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DATE 2/01/22

SCALE 1/8" = 1'-0" STAMP

2020.45

FOUNDATION PLAN



NOTES:

- 1. SLAB INFILL TO BE ANCHORED TO EXISTING CONCRETE SLAB WITH #4 DOWELS AT 1'-0" OC, 1'-0" LONG, 6" EMBED WITH HILTI HIT-HY 200
- AT EXISTING MULTIWYTHE BRICK, PROVIDE 1'-4" LONG DOWELS, 9 3/4" EMBED WITH HILTI HIT-HY270.

LEGEND

- BP1 BEAM BEARING PLATE, SEE DETAIL 1/S701
- BP3 BEAM BEARING PLATE AT EXISTING, SEE DETAIL 7/S701
- STEEL COLUMN, SEE SCHEDULE SHEET S301
- L1 STEEL LINTEL, SEE SCHEDULE SHEET S301

SEE SHEET S301 FOR NOTES

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PROJECT SOUTHWEST MICHIGAN ACCELERATOR

ALPHA CENTER

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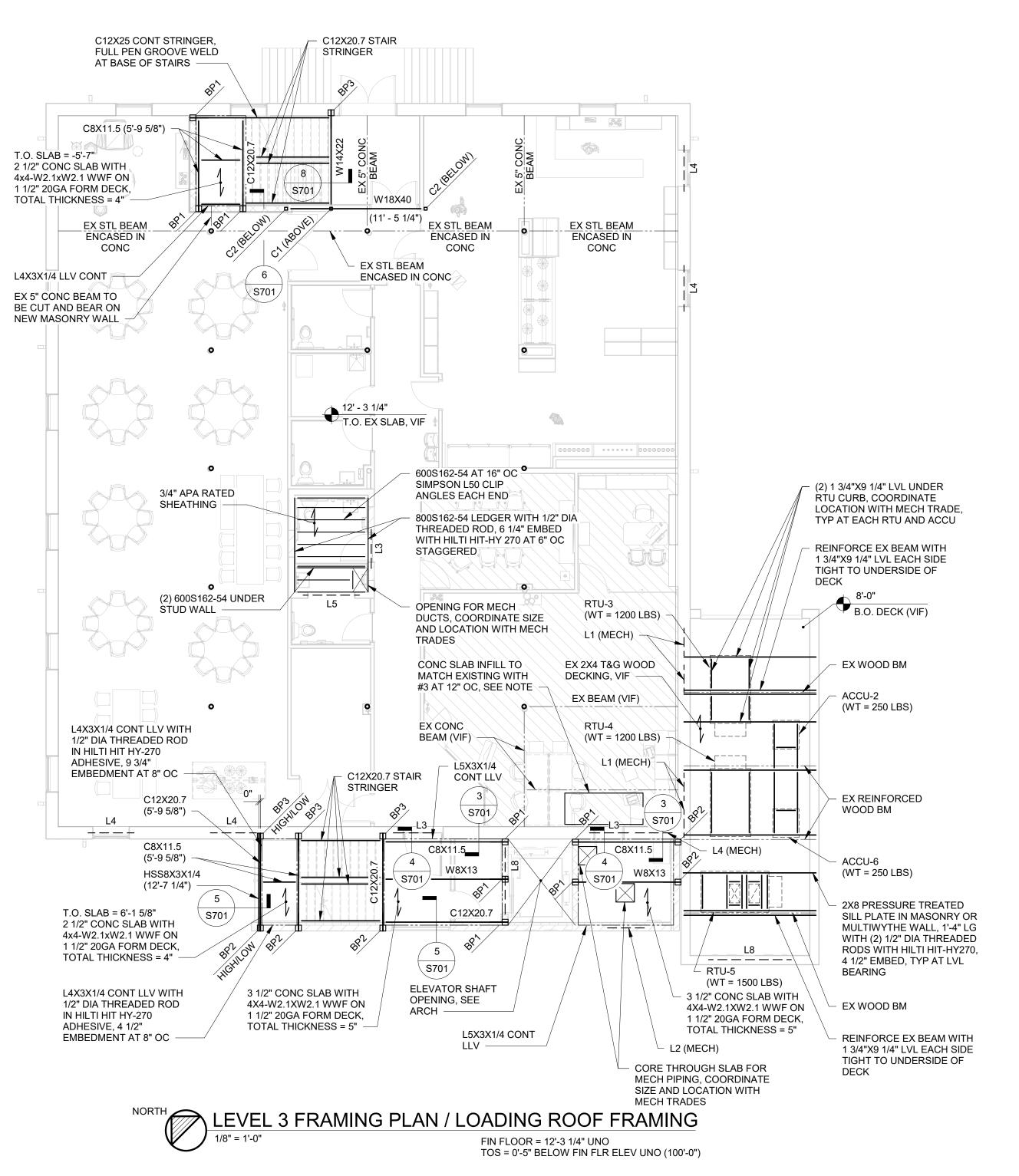
DATE 2/01/22

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STAMP

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LEVEL 2 FRAMING PLAN



NOTES:

- 1. SLAB INFILL TO BE ANCHORED TO EXISTING CONCRETE SLAB WITH #4 DOWELS AT 1'-0" OC, 1'-0" LONG, 6" EMBED WITH HILTI HIT-HY 200
- 2. AT EXISTING MULTIWYTHE BRICK, PROVIDE 1'-4" LONG DOWELS, 9 3/4" EMBED WITH HILTI HIT-HY270.

LEGEND

- BP1 BEAM BEARING PLATE, SEE DETAIL 1/S701
- 3 BEAM BEARING PLATE AT EXISTING, SEE DETAIL 7/S701
- STEEL COLUMN, SEE SCHEDULE SHEET S301
- L1 STEEL LINTEL, SEE SCHEDULE SHEET S301

SEE SHEET S301 FOR NOTES

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ARCHITECT Driven Design

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KITCHEN____

PROJECT
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CLIENT

ALPHA CENTER

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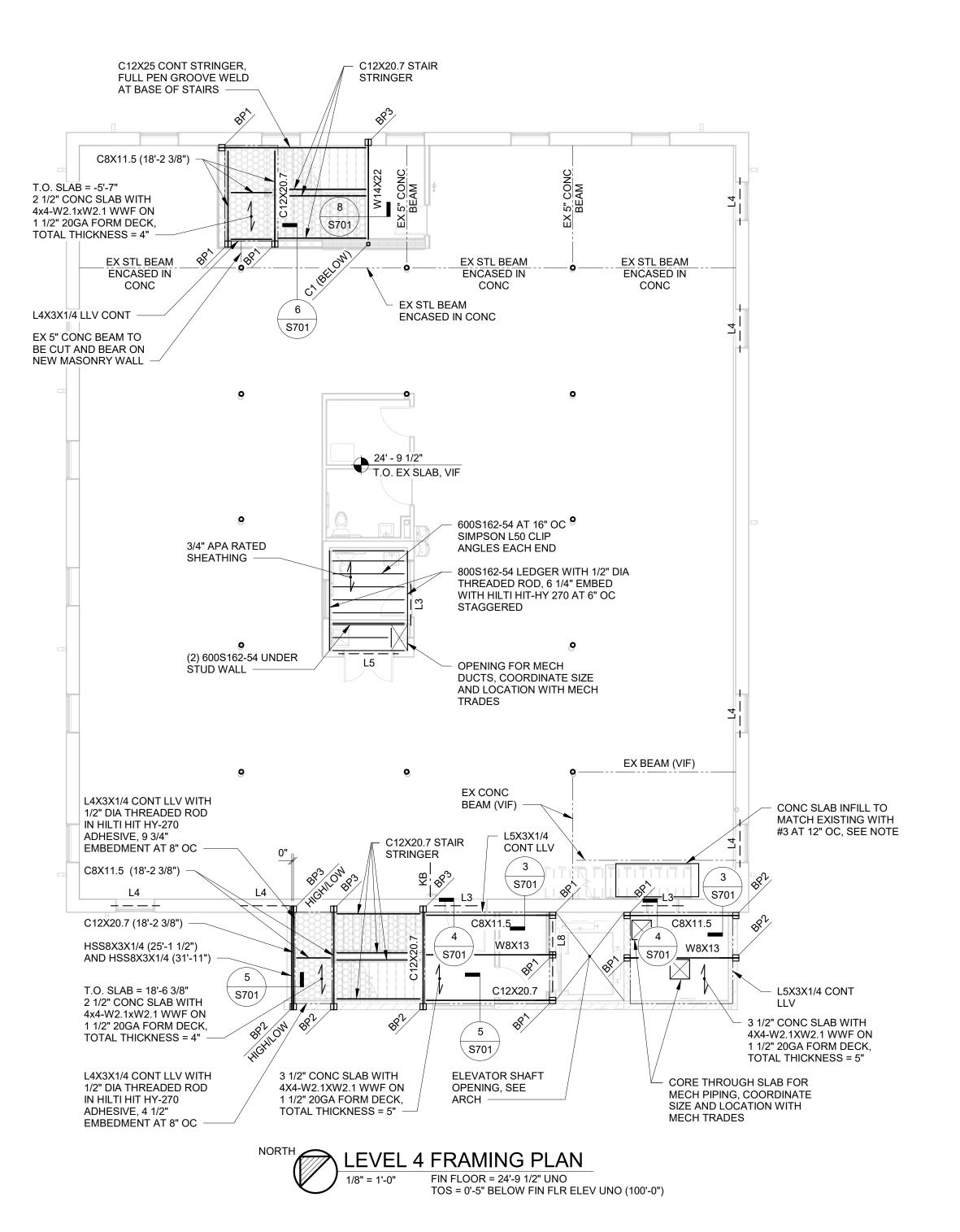
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DATE 2/01/22

SCALE 1/8" = 1'-0"

PROJECT 2020.45

LEVEL 3 FRAMING PLAN



NOTES:

- SLAB INFILL TO BE ANCHORED TO EXISTING CONCRETE SLAB WITH #4 DOWELS AT 1'-0" OC, 1'-0" LONG, 6" EMBED WITH
- AT EXISTING MULTIWYTHE BRICK, PROVIDE 1'-4" LONG DOWELS, 9 3/4" EMBED WITH HILTI HIT-HY270.

- BP1 BEAM BEARING PLATE, SEE DETAIL 1/S701
- BEAM BEARING PLATE AT EXISTING, SEE DETAIL 7/S701
- STEEL COLUMN, SEE SCHEDULE SHEET S301
- L1 STEEL LINTEL, SEE SCHEDULE SHEET S301

SEE SHEET S301 FOR NOTES

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ALPHA CENTER

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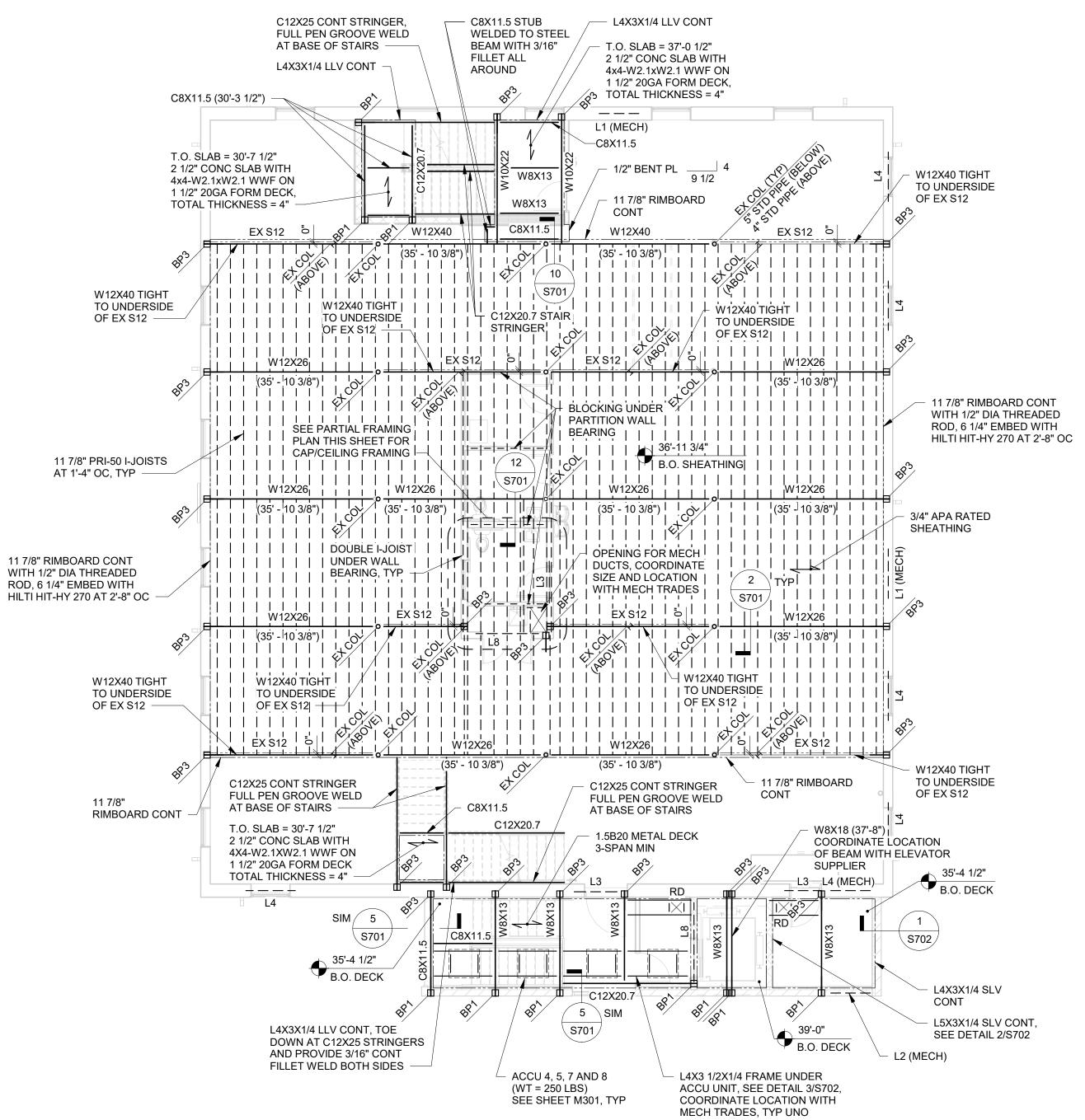
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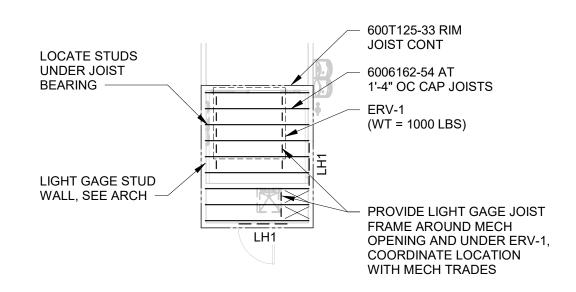
DATE 2/01/22 SCALE 1/8" = 1'-0"

STAMP

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LEVEL 4 FRAMING PLAN





CAP/CEILING PARTIAL FRAMING PLAN

1/8" = 1'-0"

LEVEL 5 FRAMING PLAN / ROOF FRAMING PLAN

T.O. STEEL = B.O. DECK UNO

LEGEND

BP1 - BEAM BEARING PLATE, SEE DETAIL 1/S701

BP3 - BEAM BEARING PLATE AT EXISTING, SEE DETAIL 7/S701

- STEEL LINTEL, SEE SCHEDULE SHEET S301

- LIGHT GAGE BOX HEADER, (2) 600S162-54, (1) STUD BEARING MINIMUM

- ROOF DRAIN, SEE DETAIL 3/S702 FOR OPENING

SEE SHEET S301 FOR NOTES

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PROJECT SOUTHWEST MICHIGAN ACCELERATOR

CLIENT ALPHA CENTER

ISSUED FOR PERMIT

ION

DRAWN SAH

DATE 2/01/22

SCALE 1/8" = 1'-0"

STAMP

PROJECT 202

2020.45

LEVEL 5 FRAMING PLAN

GENERAL

- 1. VERIFY DIMENSIONS BEFORE COMMENCING WORK. REPORT DISCREPANCIES TO THE ARCHITECT
- VERIFY OPENINGS IN THE FRAMING PLANS WITH THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
- ALL WORK SHALL CONFORM TO MICHIGAN BUILDING CODE 2015.

DESIGN LOADS

- DESIGNED IN ACCORDANCE WITH MICHIGAN BUILDING CODE 2015. ROOF SNOW LOAD: GROUND SNOW LOAD PG = 30 PSF FLAT ROOF SNOW LOAD, PF = 21 PSF SNOW EXPOSURE FACTOR, CE = 1.0
- SNOW LOAD IMPORTANCE FACTOR, I = 1.0 THERMAL FACTOR, CT = 1.0 LEVEL 2-5: **CORRIDOR**
- 80 PSF 75 PSF RETAIL MECHANICAL ROOMS 125 PSF ASSEMBLY 100 PSF OFFICE 50 PSF + 15 PSF PARTITION
- WIND LOADS: BASIC WIND SPEED, V = 115 MPH WIND EXPOSURE B, VASD = 90 MPH INTERNAL PRESSURE COEFFICIENT, GC PI = +/- 0.18

WALL COMPONENTS & CLADDING: EFFECTIVE **NEGATIVE** PRESSURE (PSF) WIND AREA (FT2) PRESSURE (PSF) -END ZONE 27.2 -35.6 25.5 -32.2

-29.6

-29.6

-27.9

-26.6

- -INTERIOR ZONE 25.5
- EARTHQUAKE DESIGN DATA: SEISMIC USE GROUP, II
- SEISMIC IMPORTANCE FACTOR, I = 1.0 SPECTRAL RESPONSE COEFFICIENTS: SDS = .094, SD1 = .078
- SITE CLASS D BASIC SEISMIC - FORCE - RESISTING SYSTEM: SHEAR WALL
- SEISMIC DESIGN CATEGORY, B
- DESIGN BASE SHEAR = 5 KIPS ULTIMATE
- SEISMIC RESPONSE COEFFICENT CS = .031 MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS: SS = .088
- S1 = .049ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

SPECIAL INSPECTIONS:

- A. SPECIAL INSPECTIONS SHALL BE IN ACCORDANCE WITH THE MICHIGAN BUILDING CODE 2015 SECTION 1700.
- B. THE FOLLOWING TYPES OF WORK REQUIRE SPECIAL INSPECTIONS: (REFER TO THE BUILDING CODE AND SPECIFICATIONS FOR DETAILED INSPECTION REQUIREMENTS).
 - PREPARED FILL. CONCRETE CONSTRUCTION.
 - STEEL CONSTRUCTION.
 - MASONRY CONSTRUCTION. SPRAYED FIRERESISTIVE MATERIALS.

FOUNDATION NOTES

- FOUNDATIONS ARE DESIGNED BASED ON SOIL BEARING OF 2000 PSF. IF SOIL OF THIS CAPACITY IS NOT FOUND AT THE ELEVATION NOTED, ENLARGE OR LOWER FOOTINGS AT THE DIRECTION OF THE ARCHITECT/ENGINEER.
- PLACE STRUCTURAL BACKFILL MEETING OR EXCEEDING MDOT CLASS II IN LAYERS NOT EXCEEDING 9" LOOSE THICKNESS. COMPACT EACH LAYER TO AT LEAST 95% OF THE MAXIMUM DENSITY PER ASTM D-1557. COMPACTING BY FLOODING IS NOT PERMITTED.
- CENTER FOOTINGS UNDER WALL LOCATION AND COLUMNS UNLESS NOTED.
- EARTH FORMS ARE NOT PERMITTED UNLESS SPECIFICALLY NOTED.
- DISTURBANCE OF THE FOUNDATION BEARING SOILS SHALL BE AVOIDED.
- EXISTING FOUNDATIONS OR FLOOR SLAB ENCOUNTERED DURING SITE GRADINGS AND EXCAVATION SHALL BE REMOVED TO A DEPTH OF TWO (2) FEET BELOW NEW CONSTRUCTION. REPLACE WITH STRUCTURAL BACKFILL.
- PROVIDE BOND BREAK MATERIAL BETWEEN ALL GRADE SLABS AND VERTICAL SURFACES.
- BACKFILL AND EXCAVATION PER SPECIFICATIONS.

CONCRETE NOTES

- ACI BUILDING CODE (318); MANUAL OF STANDARD PRACTICE FOR DETAILING (315) FOR THE MIXING, FABRICATION AND PLACEMENT OF CONCRETE, REINFORCING STEEL, AND ACCESSORIES.
- CONCRETE STRENGTH (STANDARD) WEIGHT CONCRETE:
- FOOTINGS, WALLS, PIERS: F'C = 3000 MINIMUM PSI CONCRETE FILL ON FORM DECK: F'C = 3500 MINIMUM PSI CONCRETE SLABS ON GRADE: F'C = 3500 MINIMUM PSI EXTERIOR CONCRETE SLABS EXPOSED TO DE-ICING: F'C = 4500 MINIMUM PSI
- REINFORCING BARS: ASTM A-615 GRADE 60
- WELDED WIRE FABRIC: ASTM A-1064
- CONCRETE SLABS ON GRADE REINFORCING: 6X6 W1.4XW1.4 WWF UNLESS NOTED. LOCATED IN THE UPPER 1/3 OF SLAB THICKNESS.
- PROVIDE SAWCUT CONTROL JOINTS AT APPROXIMATELY 20' ON CENTER EACH WAY IN SLABS ON GRADE, SEE DETAILS. LOCATE JOINTS UNDER PARTITIONS WHENEVER POSSIBLE. CONSTRUCTION JOINTS AT CONTRACTOR'S OPTION.
- DEPRESS SLABS AS REQUIRED FOR FLOOR FINISHES, SEE ARCHITECT.
- SLOPE FLOORS AS REQUIRED TO FLOOR DRAINS, SEE ARCHITECT.
- FORM ALL CONCRETE.

SLUMP LIMITS:

- PROVIDE CORNER BARS FOR ALL CONTIGUOUS CORNERS.
- WATER/CEMENT RATIO LIMITS:
 - F'C = 3000 PSI 0.68 NON-AIR ENTRAINED, 0.50 AIR ENTRAINED F'C = 3500 PSI 0.62 NON-AIR ENTRAINED, 0.50 AIR-ENTRAINED
- F'C = 4500 PSI 0.4 AIR-ENTRAINED
- 3" FOR FOUNDATIONS, 4" FOR SLABS AND WALLS
- PROVIDE AIR ENTRAINED CONCRETE FOR EXTERIOR EXPOSURES.
- CONTRACTOR TO SUBMIT SIZE AND LAYOUT OF CONCRETE WALL SLEEVES, OPENINGS, ETC. FOR REVIEW PRIOR TO CONCRETE PLACEMENT.
- OPENINGS IN THE FLOOR SLAB GREATER THAN 12" SHALL HAVE A MINIMUM OF TWO #5 BARS 30" LONG PLACED DIAGONALLY AT EACH CORNER, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- 15. WALL FOOTING REINFORCING LAP LENGTH: MINIMUM 27", 21" IF LAPS STAGGERED.
- CONTRACTOR SHALL INCLUDE C-500 XYPEX CONCRETE ADMIXTURE IN THE CONCRETE MIX FOR ELEVATOR PIT.
- 17. X-RAY EX CONC SLAB BEFORE DRILLING CORE THROUGH SLABS FOR MECH PIPING AND ELEC FLOOR BOXES, COORDINATE LOCATIONS WITH ELECTRICAL AND MECHANICAL TRADES.

MASONRY NOTES

- WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI 530 SPECIFICATIONS.
- MORTAR: ASTM C270, TYPE M BELOW GRADE, TYPE M OR S ABOVE GRADE, TYPE N FOR NON-LOAD BEARING ABOVE GRADE.
- GROUT: ASTM C476, F'C=2000 PSI, TESTED PER ASTM C1019.
- REINFORCING BARS SHALL BE ASTM A-615, GRADE 60, LAP MINIMUM 45 BAR DIAMETERS FOR #5 BARS AND SMALLER, LAP MINIMUM 60 BAR DIAMETERS FOR #6 BARS.
- HORIZONTAL WALL REINFORCING: PER ASTM A-82, 9 GA, HOT DIPPED GALVANIZED PER ASTM A-153 (1.5 OZ PER SF.), LADDER TYPE, EQUAL TO DUR-A-WAL. BED JOINTS AT 16" O.C. AND AT 1ST AND 2ND BED JOINTS AT BOTTOM OF WALL, TOP OF WALL, ABOVE LINTELS AND BELOW SILLS. REINFORCING CONTINUOUS EXCEPT AT VERTICAL CONTROL JOINTS. SIDE RODS LAPPED A MINIMUM OF 6" AT SPLICES. PROVIDE PREFABRICATED CORNERS AND TEES.
- CONCRETE MASONRY UNITS: ASTM C-90, GRADE N, TWO CORE TYPE FOR REINFORCED MASONRY. DESIGN BASED ON F'M = 1900 PSI.
- VERTICAL WALL REINFORCING: 1 #5 EACH SIDE OF MASONRY OPENINGS, CONTROL JOINTS AND AS SHOWN, IN GROUT FILLED BLOCK CORES.
- VERTICAL BAR REINFORCING: PLACE ACCURATELY AND MECHANICALLY HOLD IN POSITION WHILE GROUTING. GROUTING SHALL BE DONE IN LIFTS NOT EXCEEDING 4'-0" AND MECHANICALLY CONSOLIDATED IN PLACE; CONSOLIDATION BY RODDING NOT ACCEPTABLE.
- PROVIDE COMPLETELY GROUTED UNITS:
 - A. UNDER CAST-IN-PLACE CONCRETE FLOOR BEARING B. UNDER BRICK VENEER BEARING
 - C. UNDER ANY CHANGE OF WALL THICKNESS, I.E.: 8" ON TOP OF 12" D. UNDER STEEL JOIST OR BEAM BEARING.
- 10. PROVIDE LINTELS FOR OPENINGS IN MASONRY WALLS OVER 8" WIDE. SEE SCHEDULE(S).
- RUNNING BOND MASONRY SHALL BE BUILT INTEGRALLY AT WALL CORNERS UNLESS INDICATED
- BLOCK CONTROL JOINTS SHALL BE "MICHIGAN" TYPE UNLESS NOTED OTHERWISE. HORIZONTAL REINFORCING SHALL BE DISCONTINUOUS AT CONTROL JOINTS.
- TEMPORARY WALL BRACING IS THE CONTRACTORS RESPONSIBILITY. CONFORM TO APPLICABLE
- ANCHOR CONTINUOUS WOOD BLOCKING TO MASONRY WITH MINIMUM 1/2" ANCHOR RODS 8" LONG PLUS 2" HOOK AT 32" O.C. UNLESS NOTED OTHERWISE. (COORDINATE WITH WOOD FRAMING

STRUCTURAL STEEL

CONSTRUCTION.

- STRUCTURAL STEEL: FABRICATED AND ERECTED PER THE AISC MANUAL OF STEEL
 - W-BEAMS: ASTM A-992 GR. 50. HSS: ASTM A-500 GRADE B.
 - STEEL PIPE: ASTM A53, TYPE E, GRADE B. ALL OTHER SHAPES: ASTM A-36.
- ANCHOR RODS: 36 KSI, ASTM F-1554.
- WELDS: TO BE 70 KSI LOW HYDROGEN FILLER METAL PLACED BY WELDERS CERTIFIED IN WELD AND POSITION BY AWS D1.1, STRUCTURAL WELDING CODE. ALL WELDS SHALL BE APPLIED TO SURFACES FREE OF GREASE, PAINT, DIRT, OR OTHER HARMFUL MATERIAL.
- BOLTED CONNECTIONS: 3/4" DIAMETER A-325 BOLTS WITH HEAVY HEX NUTS UNLESS NOTED. DESIGNED FOR BEARING CONNECTIONS, TIGHTENED TO SNUG TIGHT CRITERIA UNLESS NOTED OTHERWISE.
- STEEL PRIMER: RUST INHIBITING ALKYD INDUSTRIAL PRIMER, SSPC 6, 1.5 MIL MINIMUM THICKNESS EXCEPT STEEL WHICH WILL RECEIVE SPRAYED-ON FIRE PROOFING.
- BEAM CONNECTIONS SHALL BE DESIGNED TO SUPPORT ONE-HALF THE TOTAL UNIFORM LOAD CAPACITY PER AISC. WHEREVER POSSIBLE, EXTEND CONNECTIONS FULL DEPTH OF BEAM.
- SHEAR TAB CONNECTIONS TO STEEL BEAMS ARE NOT ACCEPTABLE UNLESS BEAMS OF EQUAL DEPTHS ARE FASTENED ON OPPOSITE SIDES OF THE STEEL BEAM.
- BEAM BEARING PLATES ARE TO BE LOCATED ON CENTER OF WALL UNLESS NOTED OTHERWISE BEAR BEAM FULL LENGTH OF BEARING PLATES.
- PROVIDE FITTED STIFFENER PLATES EACH SIDE FOR ALL CONDITIONS WHERE BEAMS BEAR ON COLUMNS, BEAMS BEAR ON BEAMS, BEAMS HANG FROM BEAMS, OR COLUMNS BEAR ON BEAMS. STIFFENER PLATES MINIMUM 1/4" THICK.
- TEMPORARY BRACING IS TO BE MAINTAINED UNTIL PERMANENT CONNECTIONS ARE COMPLETED. APPROVED, AND SUPPORTED SLABS ARE CAST AND CURED.

METAL DECK

- ROOF DECK: 11/2", 20 GAUGE, WIDE RIB, MINIMUM 3 SPANS. DESIGNED AND FABRICATED PER STEEL DECK INSTITUTE SPECIFICATIONS (SDI). WELD TO SUPPORTS WITH 5/8" DIAMETER PUDDLE WELDS 12" SPACING. FASTEN SIDE LAPS WITH #10 SCREWS AT 3'-0" MAXIMUM.
- DECK FINISH: PRIME PAINTED.
- ROOF DECK OPENINGS LARGER THAN 12" SHALL BE REINFORCED WITH A STEEL ROOF FRAME. SEE ROOF FRAME DETAIL ON DRAWINGS.
- FORM DECK: 1.5C20: S MIN = .226 IN3/FT., I MIN = .216 IN4/FT GALVANIZED, CAPABLE OF SUPPORTING
- WET CONCRETE LOAD WITHOUT SHORING. WELD TO STEEL PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE 20 GAUGE CLOSURES FOR CUT OUTS AT OPENINGS AND INTERFERENCE WITH STRUC-TURAL MEMBERS. PROVIDE 20 GAUGE THICK COVER PLATE SCREW FASTENED TO TOP OF METAL DECK EACH SIDE OF JOINT WHERE DECK DIRECTION CHANGES. PROVIDE 18 GAUGE BENT METAL SCREED AT ALL SLAB EDGES AND OPENINGS. NOTCH AS REQUIRED FOR OTHER MISCELLANEOUS STEEL ATTACHMENTS.

WOOD FRAMING

- DIMENSIONAL FRAMING MATERIAL SHALL BEAR THE GRADE MARK OF AN ALSC APPROVED AGENCY, KILN DRIED, AND HAVE THE FOLLOWING MINIMUM STRESS GRADE:
- 2X4 STUD WALLS: SPRUCE-PINE-FIR, CONSTRUCTION GRADE OR BETTER 2X6 AND LARGER: HEM-FIR #2 OR BETTER.
- ANCHOR CONTINUOUS BLOCKING TO MASONRY WITH MINIMUM 1/2" ANCHOR BOLTS 8" LONG PLUS 2" HOOK AT 32" O.C. UNLESS NOTED OTHERWISE.
- ROOF RAFTERS ANCHORED TO CONTINUOUS PLATES WITH ONE SIMPSON H3 ANCHOR UNLESS NOTED OTHERWISE.
- WOOD TO BE IN CONTACT WITH CONCRETE, MASONRY, OR GRADE SHALL BE PRESSURE

PLYWOOD SHEATHING

- 1. PLYWOOD FOR ROOF DECK SHALL BE 5/8" THICK APA RATED SHEATHING, (24/16).
- PLYWOOD FOR FLOORS SHALL BE 3/4" THICK APA RATED SHEATHING. (32/16).
- FLOOR AND ROOF SHEATHING FASTENED WITH 8D COMMON NAILS AT 6" O.C. AT PANEL EDGES AND INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. PROVIDE MINIMUM 2X6 BLOCKING AT VALLEY AND HIP LINES FOR UNSUPPORTED EDGES AS REQUIRED.
- PANELS SHALL BE LAID IN A STAGGERED PATTERN, CONTINUOUS OVER TWO SPANS

STRUCTURAL COMPOSITE LUMBER

- WOOD I JOISTS: IN ACCORDANCE WITH APA, EWS STANDARD PRI-400, STANDARD FOR APA EWS I-JOISTS (PRI). DEPTH AND PRI GRADE AS INDICATED ON THE DRAWINGS. INSTALL BLOCKING PANELS, RIM BOARDS, FILLER BLOCKS IN ACCORDANCE WITH APA.
- LAMINATED VENEER LUMBER (LVL):
 - FB = 2,600 PSI (BOTH TENSION & COMPRESSION) FC (PERPENDICULAR) = 750 PSI FC (PARALLEL) = 2,310 PSI
- FV = 285 PSIE = 1.9X106 PSI

LIGHT GAGE METAL FRAMING

- ALL STUDS SHALL BE FORMED FROM HOT-DIPPED GALVANIZED STEEL, G-60 COATING, CORRE SPONDING TO THE REQUIREMENTS OF ASTM A653, STRUCTURAL QUALITY, GRADE 33, WITH A MINIMUM YIELD OF 33 KSI. MEMBERS DESIGNED PER AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICA¬TION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS". MEMBER DESIGNATIONS IN ACCORDANCE WITH THE STEEL STUD MANUFACTURERS
- MEMBER SIZES INDICATED ON THE DRAWINGS AND CAPABLE OF SUPPORTING THE AS INDICATED IN GENERAL NOTE "GENERAL 1.E" FOR WALL COMPONENTS AND CLADDINGS PRESSURES.
- MAX. ALLOWABLE DEFLECTION:L/360: FLOOR JOISTS. L/240: OTHER

ASSOCIATION (SSMA) I.E. 600-S-162-33.

CONTRACTOR TO BE RESPONSIBLE FOR FINAL DESIGN OF LIGHT GAGE FRAMING MEMBERS. CONNECTIONS AND COMPONENTS. SHOP DRAWINGS SHALL BE PREPARED UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MICHIGAN AND SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW.

	Fy=60 KSI f'c=3000 PSI			
MARK	SIZE	DEPTH	REINFORCING	REMARKS
F1	1'-4" CONT	1'-0"	(2) #5 CONT	
F2	2'-8" CONT	1'-0"	(3) #5 CONT	
F3	4'-0" x 4'-0"	1'-0"	(5) #4 EACH WAY	
F4	5'-6" x 5'-6"	1'-0"	(7) #5 EACH WAY	

	DLUMN	SCHE	DULE	W SECTIONS: Fy=50KSI HSS SECTIONS: Fy=46KSI
MARK	SIZE	BASE PL	CAP PL	REMARKS
C1	HSS4x4x5/16	3/4"x10"x10"	SEE DETAIL 9/S701	
C2	HSS4x4x5/16	SEE DETAIL 9/S701	SEE DETAIL 9/S701	

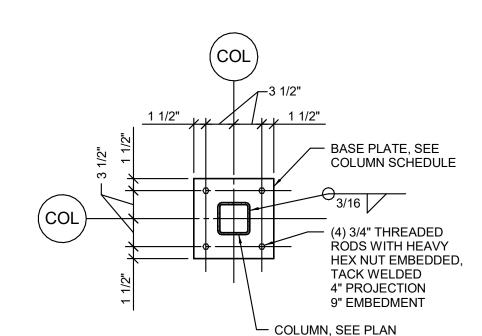
	STEEL L	INTEL SC	HED	ULE Fy=36 KSI							
MARK	CLEAR SPAN	SIZE		BEARING EACH END							
L1	4'-0"	L3 1/2x2 1/2x1/4 S	LV	4"							
L2	5'-0"	L3 1/2x3x1/4 SL\	/	6"							
L3	6'-0"	L3 1/2x3 1/2x1/4		6"							
L4	7'-0"	L4x3 1/2x1/4 LL\	/	6"							
L5	8'-0"	L5x3 1/2x1/4 LL\	/	8"							
L6	9'-0"	L6x3 1/2x 3/8 LL	V	8"							
	BOTTOM OF PLATE SEE ARCH. DWGS. L7, L	SINGLE 4" (PROVIDE 2	CHEDULED FOR OF WALL THICKNESS. FOR 8" WALL, 3 FOR WALL.								
L7 W8x18 + PL 1/4x1'-3 1/2" 8"											
L8 W8x18 + PL 1/4x7 1/2 8"											

NOTE: 1. GROUT BELOW BEAM BEARING PER DETAIL 1/S701.

- 2. BEARING LENGTH IS OVER CMU OR COMPOSITE BRICK / BLOCK.
- DO NOT BEAR ON BRICK VENEER. 3. ANCHOR MASONRY TO BEAMS W/ 9 GA WIRE TIES EACH SIDE @ 2'-8" O.C.
- 4. PROVIDE STEEL LINTELS AT ALL MASONRY WALL OPENINGS, INCLUDING MECHANICAL AND ELECTRICAL GREATER THAN 8" WIDE. SEE LINTEL SCHEDULE.

NOTE: 1. GROUT BELOW LINTEL BEARING 3 COURSES





ANCHOR ROD PLAN

FOR USE WITH: C1

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SOUTHWEST MICHIGAN ACCELERATOR KITCHEN_

30 W VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER

ISSUED FOR PERMIT

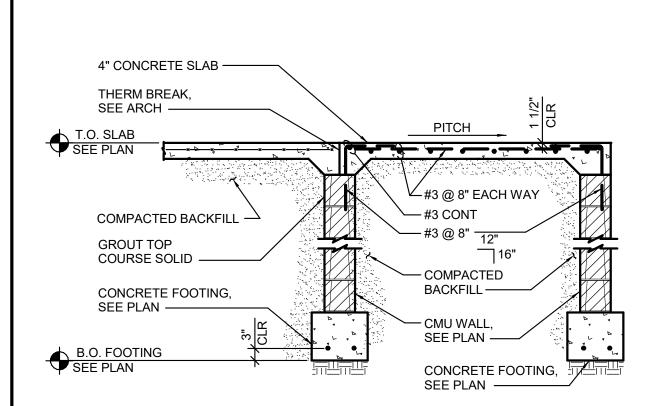
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SCALE As indicated

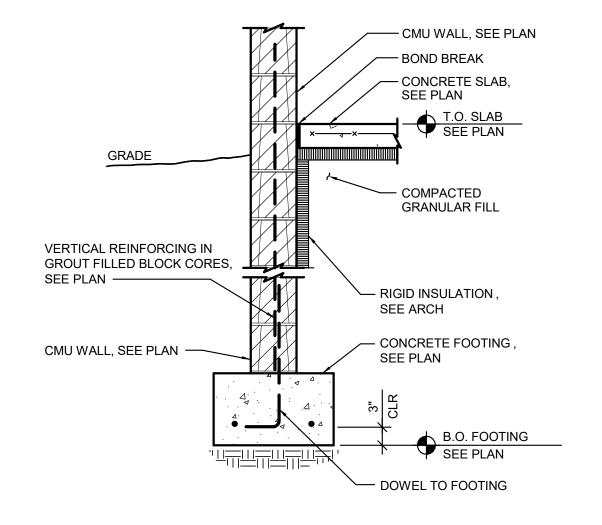
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SCHEDULES AND NOTES

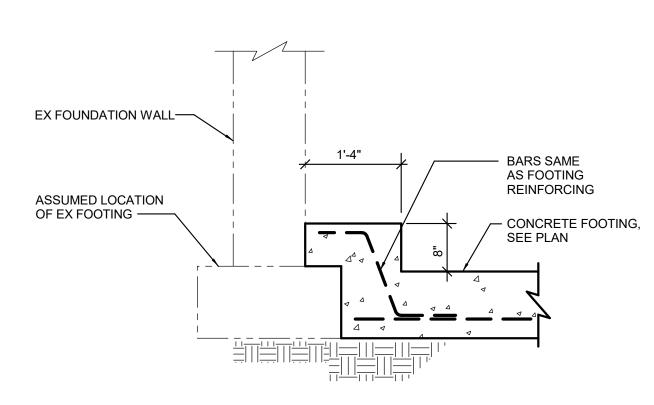
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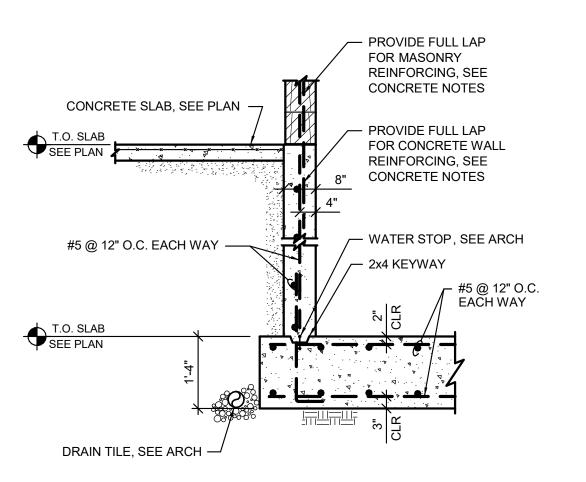


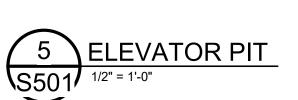


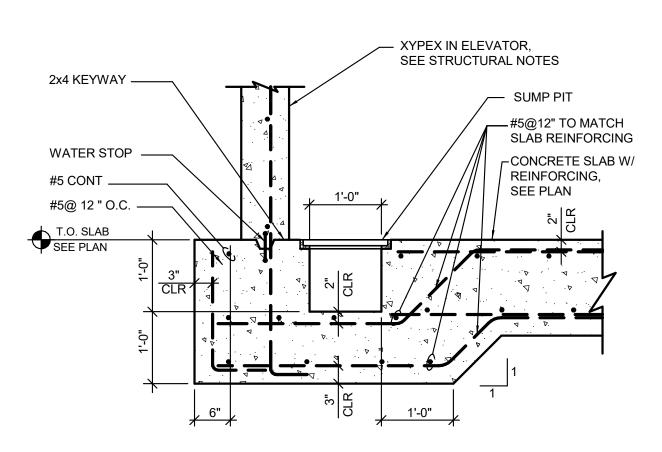




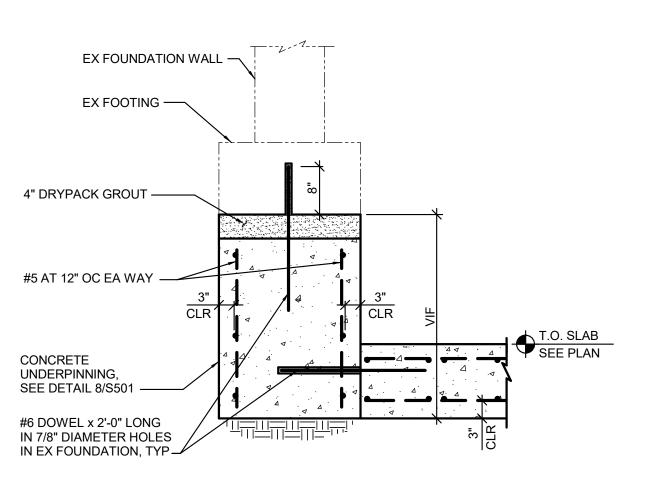




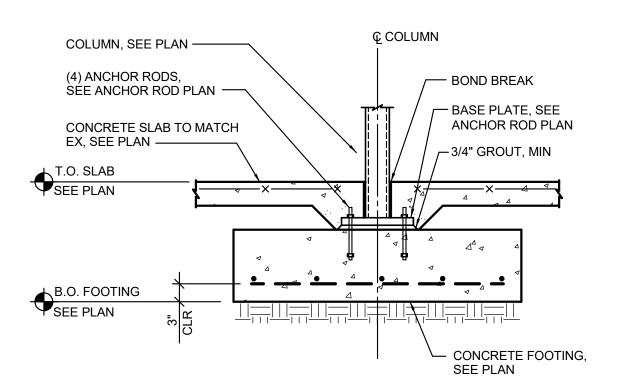




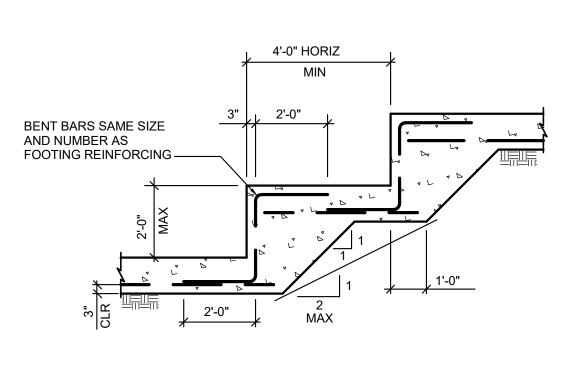
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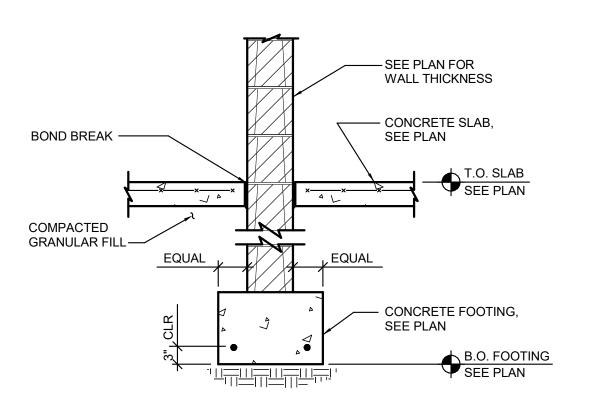




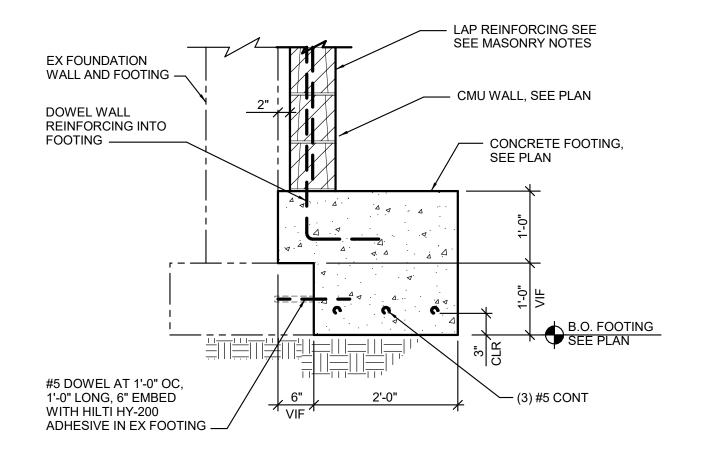












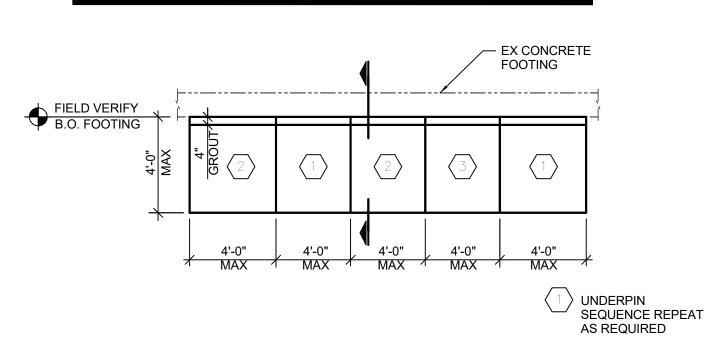


UNDERPIN NOTES:

STEP 1 EXCAVATE 4'-0" WIDE x REQUIRED DEPTH UNDER EXISTING FOOTINGS. INSTALL #6 HORIZONTAL REBAR AT 12" O.C., INSERTING 26" INTO ADJACENT SOIL, AND LAPPING 26" IN CENTER. INSTALL WOOD FORM ON FRONT FACE AND CAST UNDERPIN.

STEP 2 ONE DAY AFTER UNDERPIN CAST, DRY PACK GROUT INTO 4" SPACE BETWEEN UNDERPIN AND EXISTING FOOTING.

STEP 3 ONE DAY AFTER GROUTING PREVIOUS UNDERPIN, REPEAT PROCEDURE OUTLINED IN STEP 1 ON ADJACENT UNDERPIN. CLEAN CONCRETE SURFACE AND APPLY BONDING AGENT BEFORE CASTING ADJACENT UNDERPIN. SEQUENCE OF UNDERPINNINGS INDICATED ON DRAWINGS.





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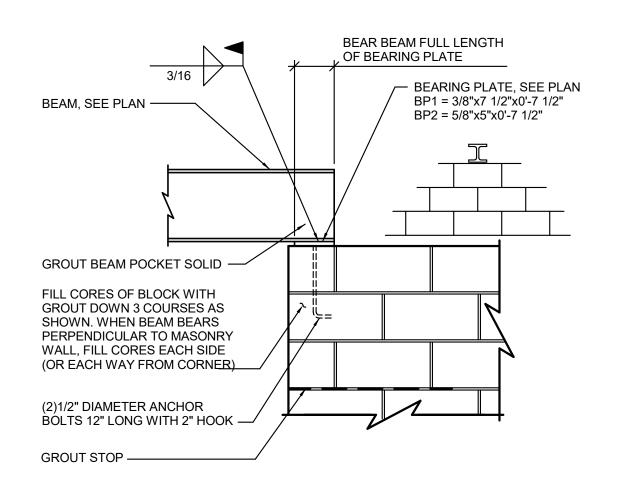
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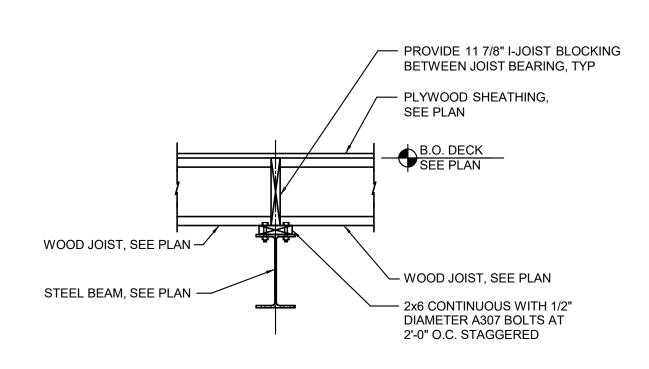
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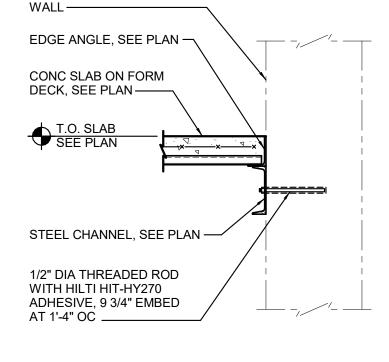
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FOUNDATION DETAILS



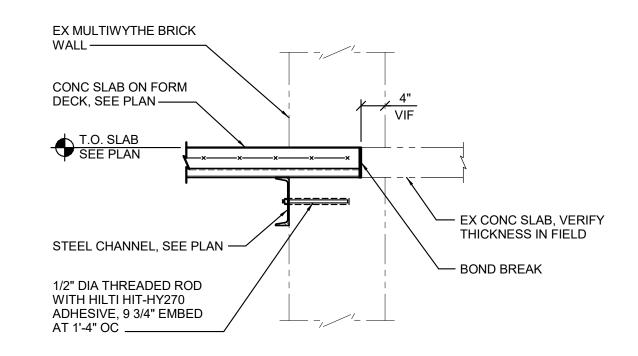


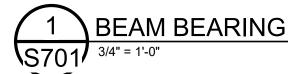


EX MULTIWYTHE BRICK

STEEL CHANNEL, SEE PLAN

BRICK WALL -



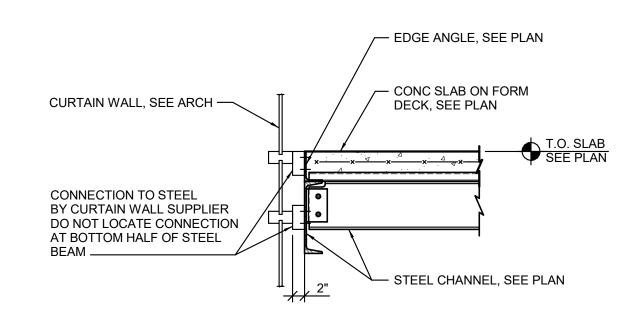


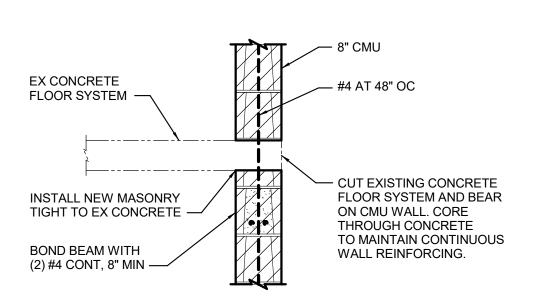


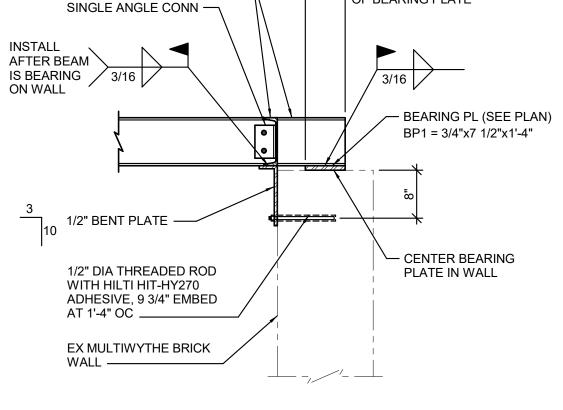
CONCRETE SLAB EDGE AT EXISTING

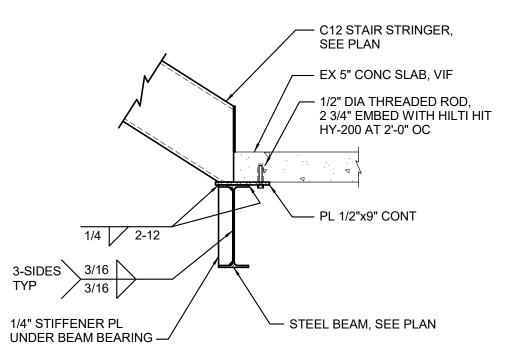
BEAR BEAM FULL LENGTH
OF BEARING PLATE

CONCRETE SLAB EDGE AT DOOR OPENING







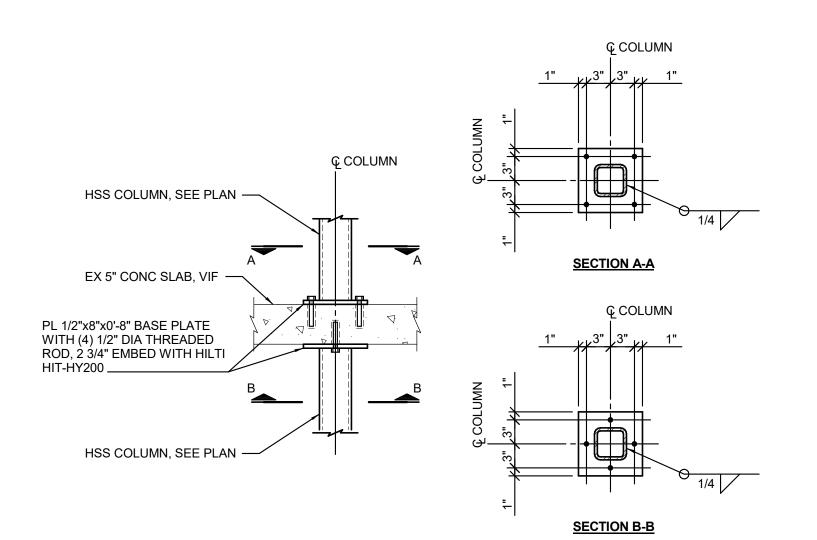


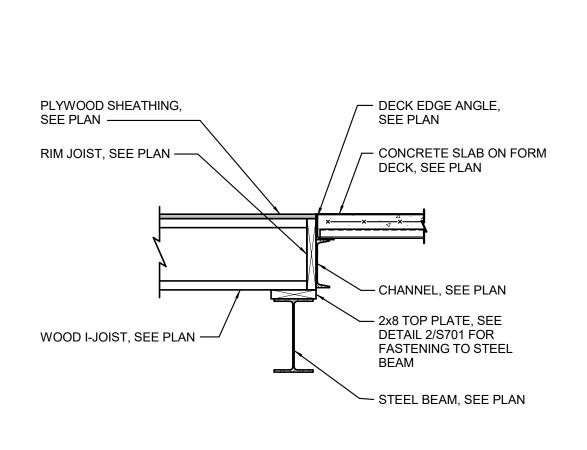


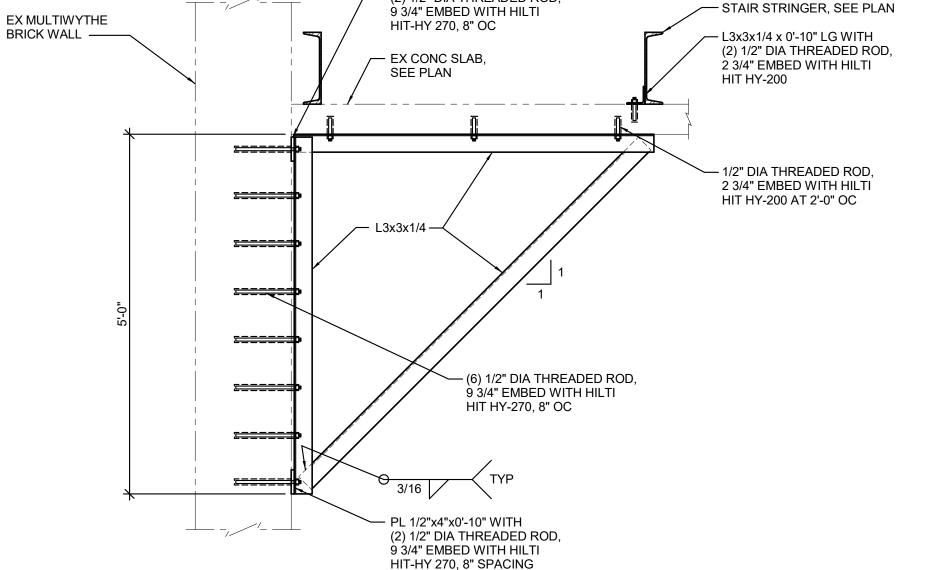


BEAM BEARING AT EXISTING

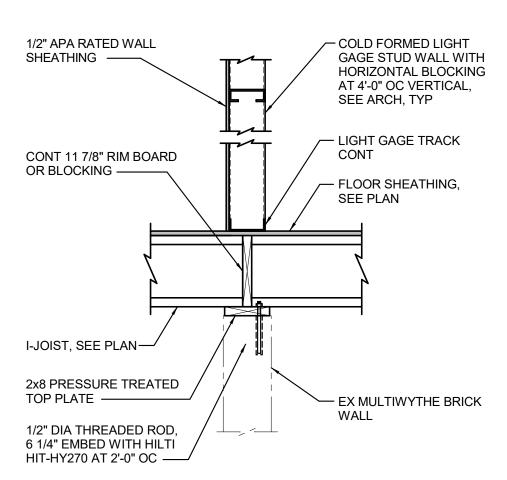
EXISTING CONRETE SLAB EDGE AT STAIR



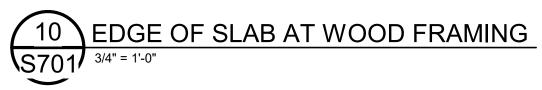




(2) 1/2" DIA THREADED ROD,











2020.45 FLOOR FRAMING DETAILS

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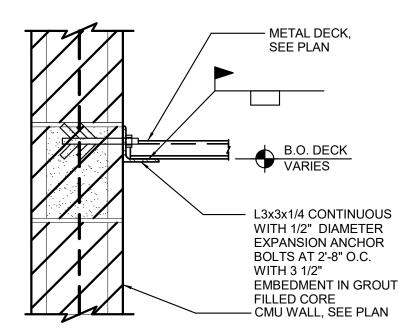
SOUTHWEST MICHIGAN ACCELERATOR KITCHEN_

30 W VAN BUREN ST, BATTLE CREEK, MI ALPHA CENTER

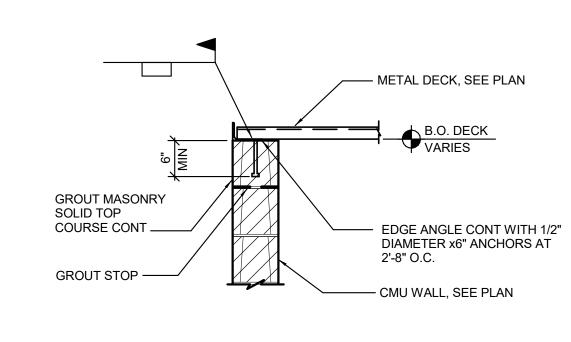
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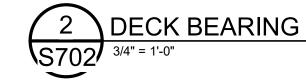
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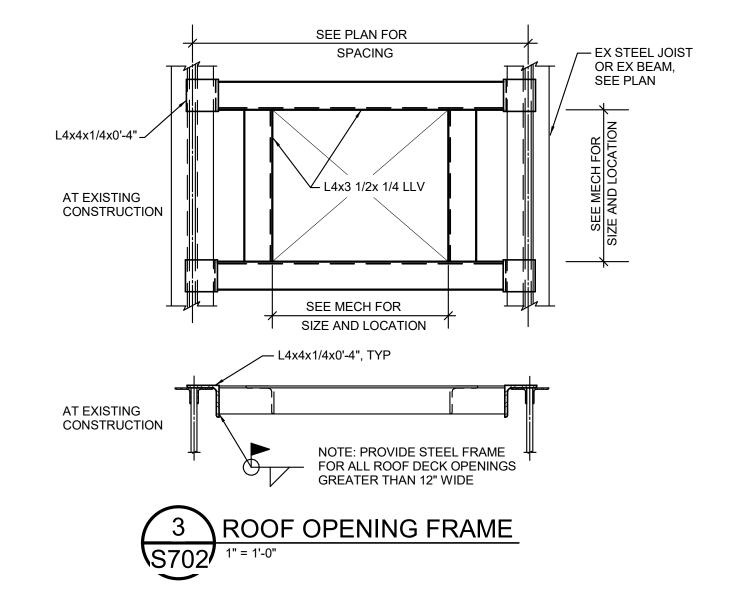
DATE 2/01/22 SCALE As indicated STAMP











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PROJECT
SOUTHWEST MICHIGAN ACCELERATOR

30 W VAN BUREN ST, BATTLE CREEK, MI CLIENT ALPHA CENTER

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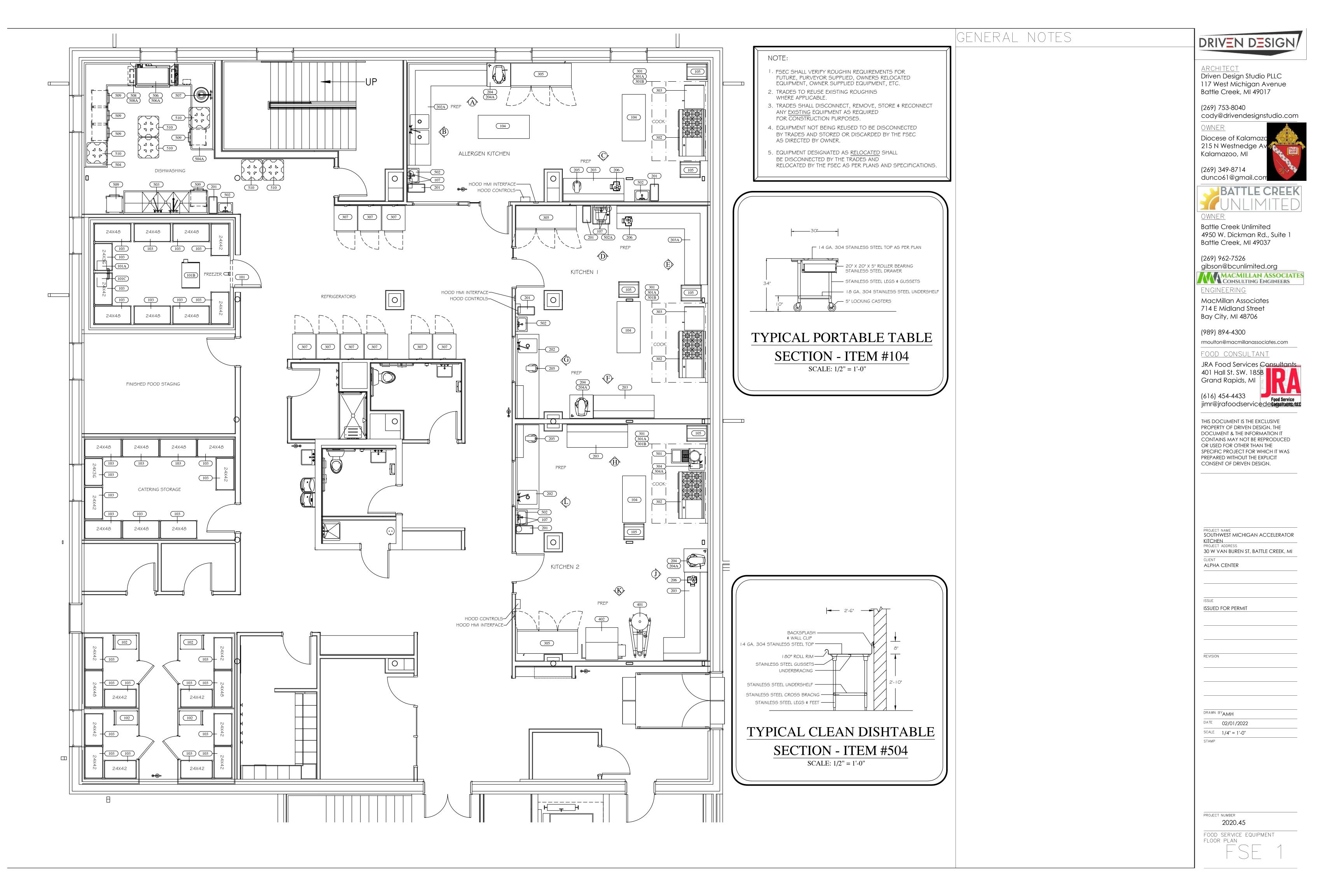
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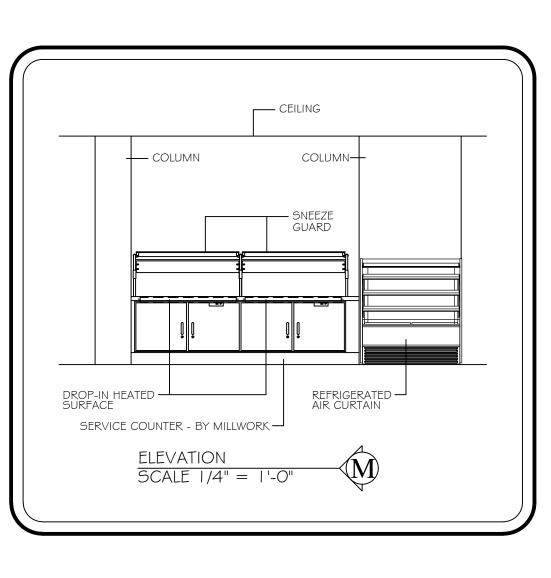
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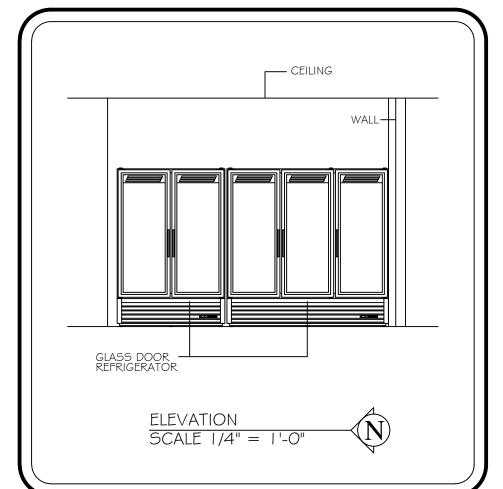
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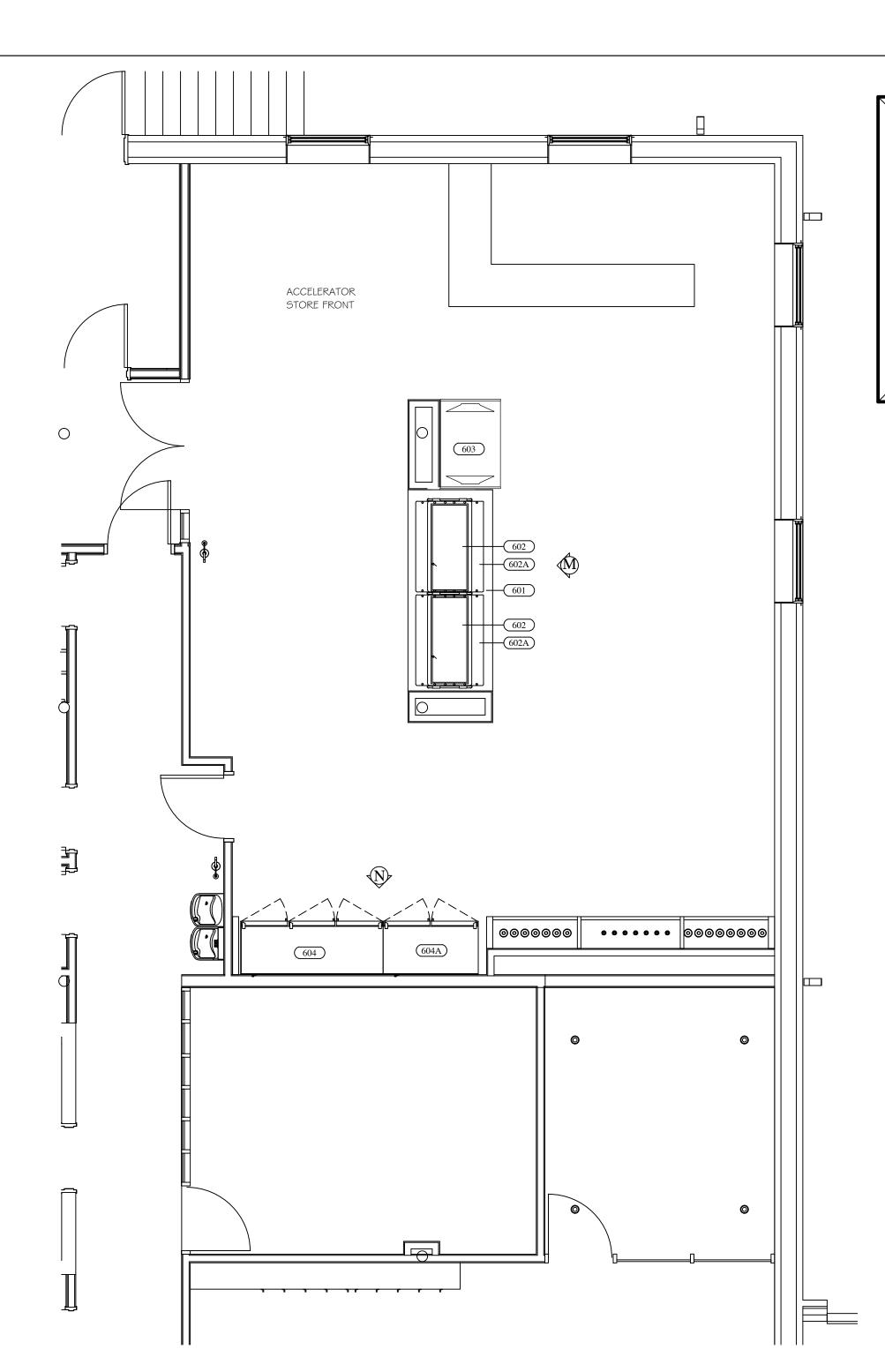
PROJECT 2020.45

ROOF FRAMING DETAILS









SECOND FLOOR

	EQUIPMENT SCHEDULE													
Item	Qty DESCRIPTION	CW (in) HW (in)	INDIRECT DRAIN	DIRECT DRAIN (IN)	GAS (in)	MBTUH	EXH DUCT	EXH CFM	MUA DUCT	MUA CFM	Volts	Ph	Amps load	Equipment Remarks
601	1 SERVICE COUNTER - BY MILLWORK													
602	2 DROP-IN HEATED SURFACE										120	1	8.3	
602A	2 SNEEZE GUARD										120/208	1	9.3	
603	1 REFRIGERATED AIR CURTAIN										120	1	16.0	IF UNIT CANNOT BE CONNECTED TO GFCI BREAKER, THEN IT MUST BE HARD WIRED
604	1 GLASS DOOR REFRIGERATOR										120	1	6.3	
604A	1 GLASS DOOR REFRIGERATOR										120	1	6.3	

GENERAL NOTES

1. FSEC SHALL VERIFY ROUGHIN REQUIREMENTS FOR FUTURE, PURVEYOR SUPPLIED, OWNERS RELOCATED EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC.

EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC.

2. TRADES TO REUSE EXISTING ROUGHINS WHERE APPLICABLE.

3. TRADES SHALL DISCONNECT, REMOVE, STORE & RECONNECT ANY EXISTING EQUIPMENT AS REQUIRED FOR CONSTRUCTION PURPOSES.

4. EQUIPMENT NOT BEING REUSED TO BE DISCONNECTED BY TRADES AND STORED OR DISCARDED BY THE FSEC AS DIRECTED BY OWNER.

5. EQUIPMENT DESIGNATED AS <u>RELOCATED</u> SHALL
BE DISCONNECTED BY THE TRADES AND
RELOCATED BY THE FSEC AS PER PLANS AND SPECIFICATIONS.

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PROJECT N	VAME			
SOUTHV	VEST MIC	HIGAN	ACCELE	RATOR
KITCHEN	1			
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30 W VAN BUREN ST, BATTLE CREEK, M

CLIENT ALPHA CENTER

ISSUED FOR PERMITS

DEVICION.

DRAWN BYAMH

DATE 02/01/2022

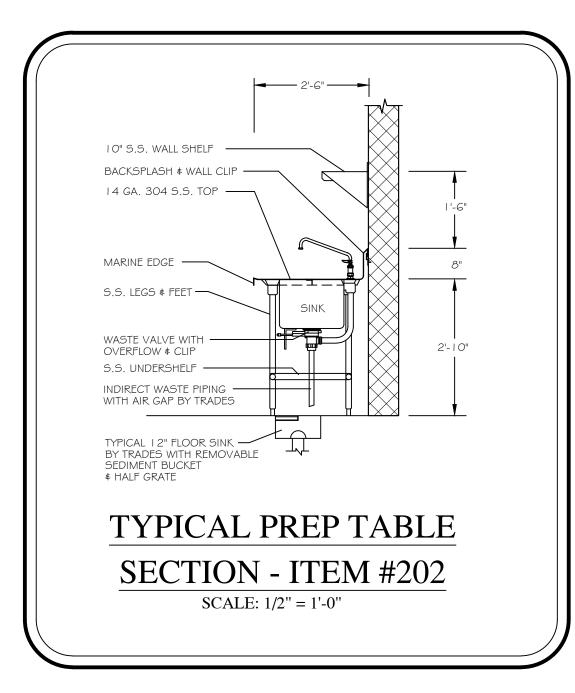
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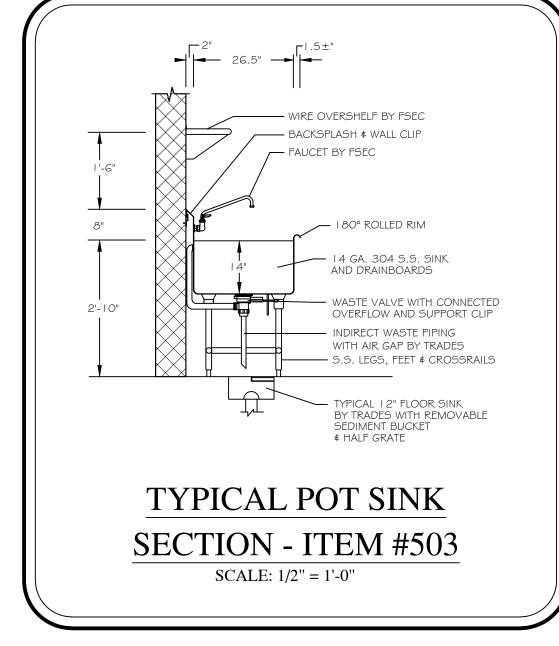
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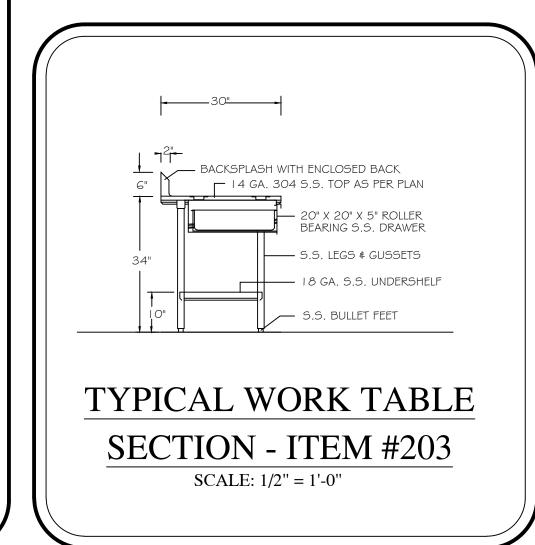
PROJECT NUMBER

2020.45

FOOD SERVICE EQUIPMENT FLOOR PLAN







1. FSEC SHALL VERIFY ROUGHIN REQUIREMENTS FOR

2. TRADES TO REUSE EXISTING ROUGHINS

ANY EXISTING EQUIPMENT AS REQUIRED FOR CONSTRUCTION PURPOSES.

5. EQUIPMENT DESIGNATED AS RELOCATED SHALL

BE DISCONNECTED BY THE TRADES AND

WHERE APPLICABLE.

AS DIRECTED BY OWNER.

FUTURE, PURVEYOR SUPPLIED, OWNERS RELOCATED EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC.

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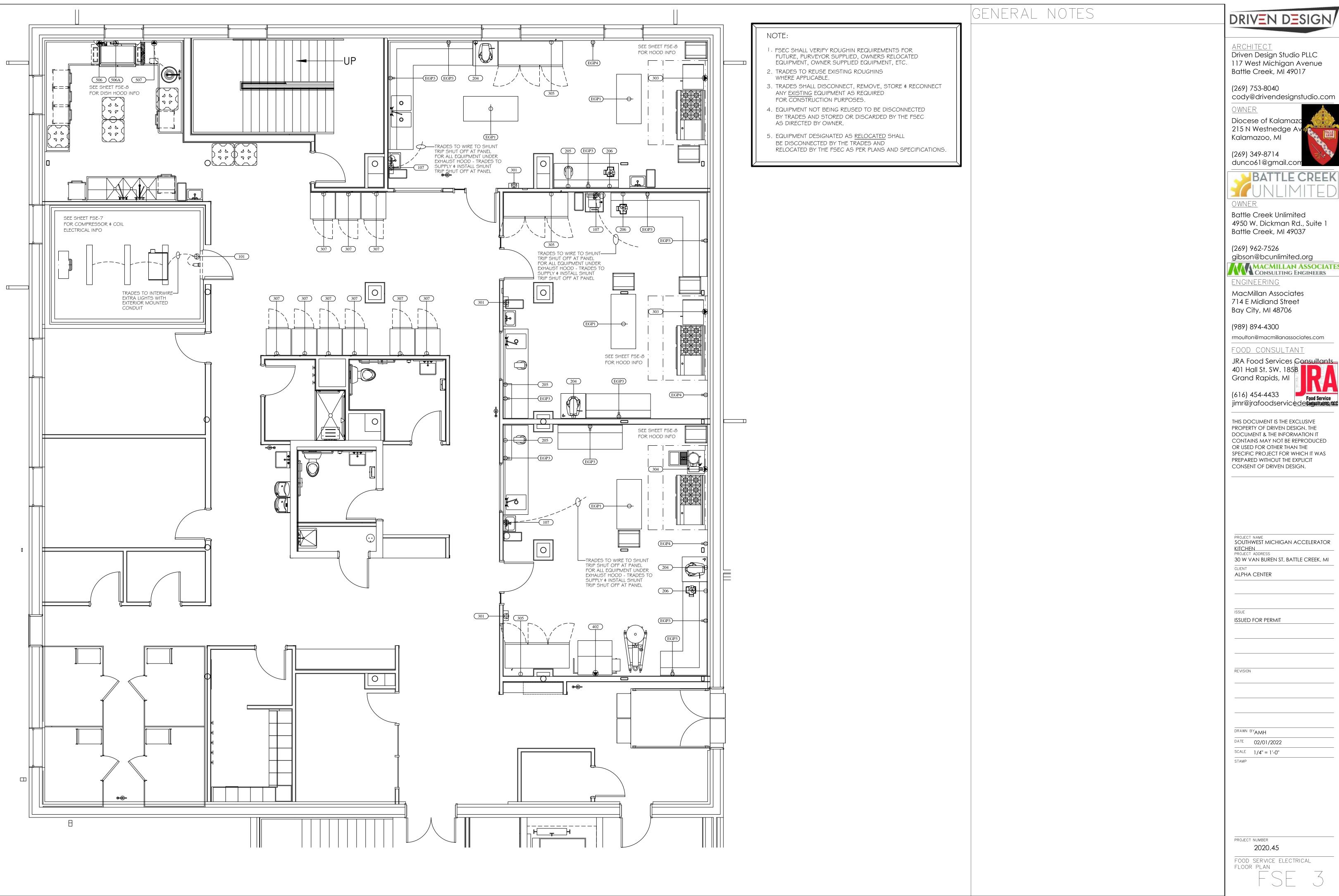
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SOUTH	IWEST MICHIGAN ACCELERATO N
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CLIENT	
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REVISION	
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DATE	02/01/2022
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PROJECT NUMBER
2020.45

FOOD SERVICE EQUIPMENT
SCHEDULE

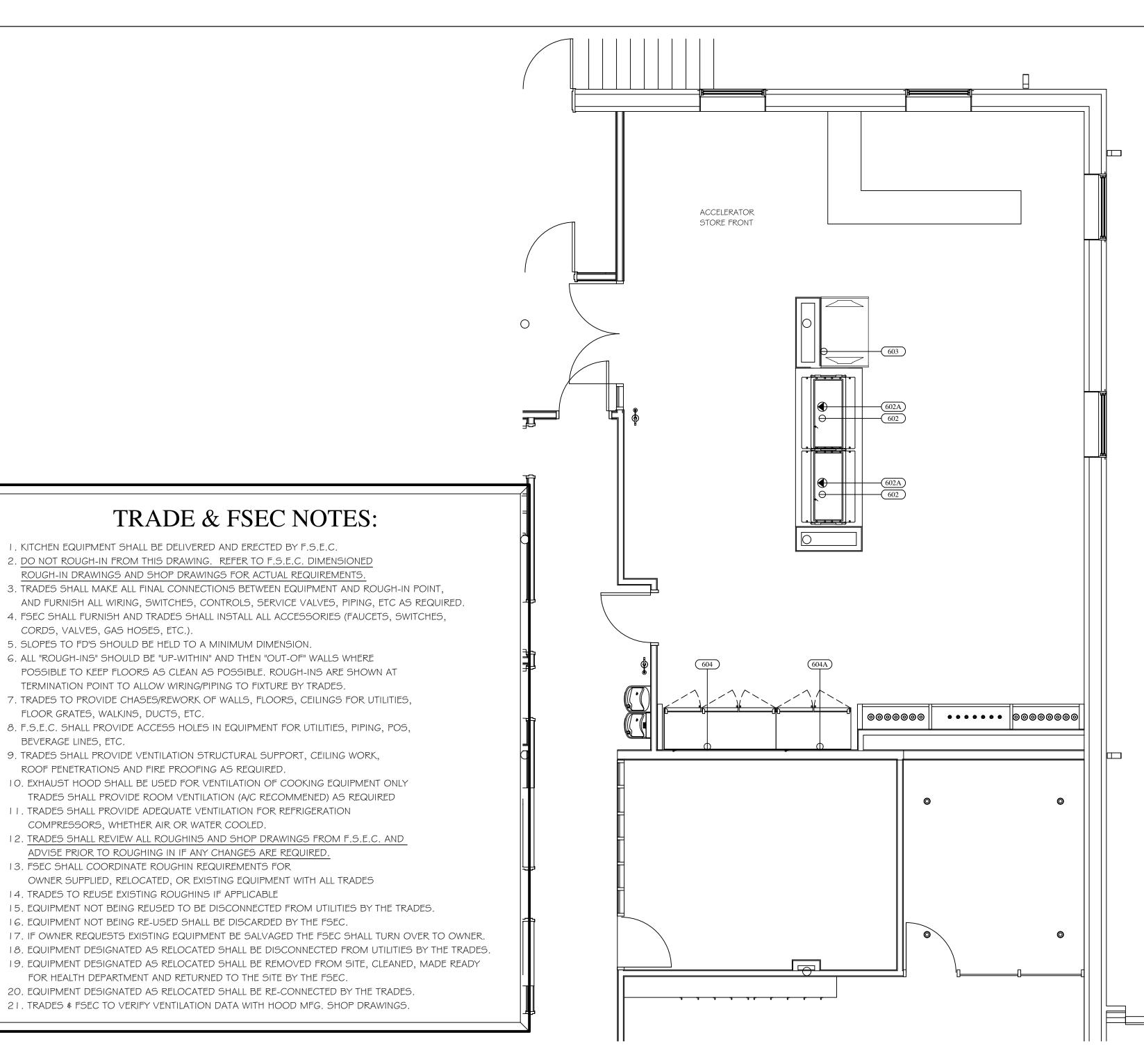
							EQUIPN	MENT S	CHED	ULE							
em		DESCRIPTION	CW (in)	HW (in)	INDIREC DRAIN	T DIRECT DRAIN (IN)			EXH	EXH CFM	MUA DUCT	MUA CFM	Volts	Ph	Amps load	Compressed Air Equipment Remarks	
.01		WALK-IN FREEZER											120	1	8.0	INSULATED FLOOR: SEE REFRIGERATION PLAN	
01A		FREEZER COIL			FFD								208	1	15.0		
1B	1	FREEZER COMPRESSOR											208	3	15.0		
1C	1	FREEZER COIL HEAT TAPE											120	1	5.0		
02	4	UTILITY CART															
)3	32	SHELVING														4 TIER	
)4	4	PORTABLE TABLE														S.S. UNDERSHELF & CASTERS	
05	6	PAN RACK															
06	1	SPARE NUMBER															
07	3	FIRE PROTECTION SYSTEM											120	1	10.0	GAS SHUT OFF VALVE BY FSEC	
01	6	TRASH BIN - BY OWNER															
)2		PREP TABLE	0.5	0.5	FL SK												
2A		PREP TABLE	0.5	0.5	FL SK												
03		WORK TABLE					1								†		
3A		WORK TABLE				1											
04		MIXER - 20 QUART				1							120	1	8.0		
4A		MIXER STAND	1				+						120	1		UTENSIL TREE & CASTERS	
05		MIXER - 5 QUART											120	1	2.9	CILIGIL TREE & CIBILING	
)6		FOOD PROCESSOR											120	1	12.0		
01	2	HOOD							14" X 15"		18" X 18"		120	1	10.0	TRADES TO WIRE LIGHTS & HEAT SENSOR	
-									14 A 13	2,300	10 Λ 10		208	2		INTERLOCK TO MUA UNIT BY TRADES	
1A		EXHAUST FAN & CURB					1	102		2,300		2 200		3	10.0		
1B 02		MAKE UP AIR UNIT RANGE W/ GRIDDLE					1	183 278				2,300	208	3	15.0	TRADES TO CONNECT TO HOOD CONTROL PANEL	
03		CONVECTION OVEN - SINGLE DECK					1	276					208	3	24.0		
04		KETTLE											208	1	36.0		
4A		KETTLE STAND											200	1	30.0		
-		REFRIGERATOR											120	1	5.6		
05													120	1	5.6		
06		SPARE NUMBER											120	1	4.0		
07	9	REFRIGERATOR											120	1	4.9		
01	1	FILLER MACHINE														0.5 AIR: 4 CFM @ 80 PSI	
)2	1	SEALER											208	3	13.5		
01	1	TEMPERED FLOOR TROUGH & GRATE	1.0			3										INSTALL/GROUT BY TRADES	
02	5	HAND SINK W/ SIDE SPLASHES	0.5	0.5		1.5										SOAP & TOWEL DISPENSER - BY OWNER	
2A	1	HAND SINK - ADA	0.5	0.5		1.5											
)3	1	POT SINK	(2) 0.5	(2) 0.5	FL SK	2										TRADES TO PIPE 2" DIRECT WASTE TO GREASE TRAP	,
)4		CLEAN DISHTABLE				1	1								†	S.S. UNDERSHELF	
ŀΑ		SOILED DISHTABLE			FL SK	1	1							1			
)5		SPARE NUMBER				1	1								†		
06		DISHWASHER		0.5	FL SK								208	3	138.9	126 GPH 110° HW FROM BUILDING - BUILT-IN BOOSTI	ER HEAT
6A		DRAIN WATER TEMPERING KIT	0.5		FL SK								120	1	5.0		
071		DISPOSAL	0.75	0.5	511	2							208	3	6.6		
08		DISHWASHER HOOD	1 3.,5	0.0			+		8" X 8"						+	STAINLESS STEEL DUCT BY FSEC	
8A		EXHAUST FAN				1			0 210	750			120	1	10.0	ROOF CURB BY FSEC	
)9		CUP/GLASS RACK DOLLY	1				+			7.50			120	1	10.0	ROOT CORD DITUDE	
//	v	DISH CART	1	+		1		+	-						1		



DRIVEN DESIGN



MACMILLAN ASSOCIATES
CONSULTING ENGINEERS



SECOND FLOOR

	EQUIPMENT SCHEDULE												
Item	EQUIPMENT DESCRIPTION	VOLTS	PH	AMPS LOAD	DIRECT BY EC	CORDSET BY FSEC	AFF (in)	REMARKS					
602	DROP-IN HEATED SURFACE	120	1	8.3		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES					
602A	SNEEZE GUARD	120/208	1	9.3	X		5	PEDESTAL MOUNTED JUNCTION BOX BY TRADES					
603	REFRIGERATED AIR CURTAIN	120	1	16.0		X	16	IF UNIT CANNOT BE CONNECTED TO GFCI BREAKER, THEN IT MUST BE HARD WIRED					
604	GLASS DOOR REFRIGERATOR	120	1	6.3		X	16						
604A	GLASS DOOR REFRIGERATOR	120	1	6.3		X	16						

GENERAL NOTES

1. FSEC SHALL VERIFY ROUGHIN REQUIREMENTS FOR FUTURE, PURVEYOR SUPPLIED, OWNERS RELOCATED

NOTE:

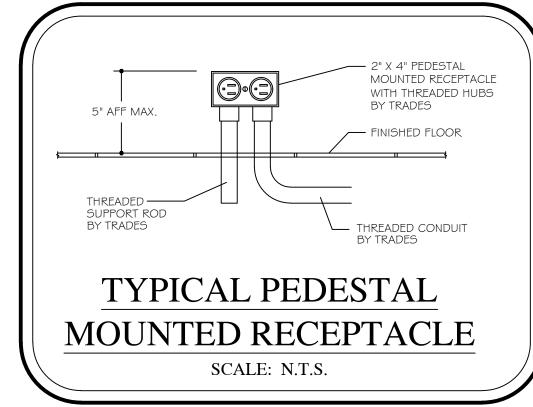
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5. EQUIPMENT DESIGNATED AS <u>RELOCATED</u> SHALL BE DISCONNECTED BY THE TRADES AND

RELOCATED BY THE FSEC AS PER PLANS AND SPECIFICATIONS.



		MECHANICAL / ELECTRICAL NOTES
Ф		I 20 V - 20 AMP DUPLEX RECEPTACLE - GFIC HORIZONTALLY MOUNTED
ф		I 20 V - 20 AMP SIMPLEX OUTLET - GFIC HORITZONTALLY MOUNTED
Щ		I 20 VOLT - 30 AMP QUAD OUTLET
\Diamond	SR	SPECIAL RECEPTACLE - I 20 VOLT
\bigoplus	SR	SPECIAL RECEPTACLE - 208/240 VOLT
⊚▼		W.T. FLUSH FLOOR POWER/COMMUNICATIONS RECEPTACLE
▼		DATA CONNECTION
<u> </u>		WATERTIGHT FLUSH FLOOR DUPLEX - 20 AMP - GFIC
JB	JB	JUNCTION BOX
ф	LT	LIGHT FIXTURE
	Α	AMPS
	AFF	ABOVE FINISHED FLOOR
	BTC	BRANCH TO CONNECTION BY TRADES
	DFA	DROP FROM ABOVE
	GP	GENERAL PURPOSE
	HP	HORSEPOWER
	IW	INDIRECT/AIR GAPPED WASTE TO FL DR OR FL SK
	KW	KILOWATT
	PH	PHASE
	UON	UNLESS OTHERWISE NOTED
	VIF	VERIFY IN FIELD
	V	VOLTS
•	HW	HOT WATER - 25 PSI - 1 5 DEGREES
•	CW	COLD WATER - 25 PSI
\otimes	G	NATURAL GAS - 7" W.C. OR LP GAS - 11" W.C VIF
•	W	WASTE DRAIN - DIRECT CONNECTION
FD	FD	FLOOR DRAIN - 3" MINIMUM DRAIN - MINIMUM PITCH
FFD	FFD	FUNNEL FLOOR DRAIN FOR IW - 3" MINIMUM DRAIN
FS	FL SK	FLOOR SINK FOR IW - 12" SQ HALF GRATE - 3" MIN.
	EVC	EXHAUST VENT CONNECTION
\boxtimes	MUA	MAKE UP AIR DUCT CONNECTION
	CFM	CUBIC FEET MINUTE
	SP	STATIC PRESSURE
B	ВС	BEVERAGE CONDUIT WITH 18" SWEEP ENDS BY TRADES - VIF
	TFT	TEMPERED FLOOR TROUGH
		2. (25) (25) (1) (25) (1

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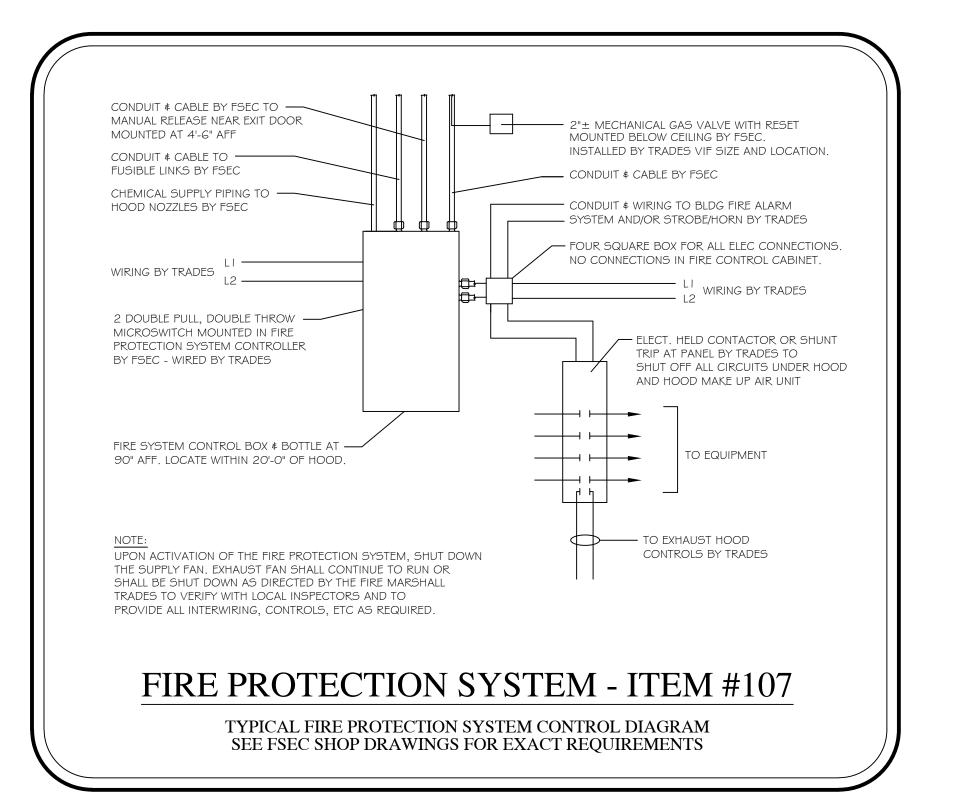
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DRAWN BYAMH

DATE 02/01/2022 SCALE 1/4" = 1'-0"

2020.45

FOOD SERVICE ELECTRICAL



			EQU	JIPMEN	IT SCHE	EDULE		
Item	EQUIPMENT DESCRIPTION	VOLTS	PH	AMPS LOAD	DIRECT BY EC	CORDSET BY FSEC	AFF (in)	REMARKS
101	WALK-IN FREEZER	120	1	8.0	X		DFA	TRADES WIRE TO JB FOR LIGHTS, DOOR HEATER
107	FIRE PROTECTION SYSTEM	120	1	10.0	X		DFA	TRADES WIRE TO SHUT OFF IN PANEL
204	MIXER - 20 QUART	120	1	8.0		X	48	
205	MIXER - 5 QUART	120	1	2.9		X	48	
206	FOOD PROCESSOR	120	1	12.0		X	48	
301	HOOD	120	1	10.0	X		DFA	TRADES TO WIRE LIGHTS & HEAT SENSOR
303	CONVECTION OVEN - SINGLE DECK	208	3	24.0		X	24	
304	KETTLE	208	1	36.0	X		24	
305	REFRIGERATOR	120	1	5.6		X	90	
307	REFRIGERATOR	120	1	4.9		X	90	
402	SEALER	208	3	13.5	X		48	
506	DISHWASHER	208	3	138.9	X		60	
506A	DRAIN WATER TEMPERING KIT	120	1	5.0	X		16	
507	DISPOSAL	208	3	6.6	X		16	
EGP1	GENERAL PURPOSE DUPLEX	120	1	10.0		X	DFA	TWIST LOCK DROP CORD ASSEMBLY BY TRADES
EGP3	GENERAL PURPOSE DUPLEX	120	1	10.0		X	48	
EGP4	GENERAL PURPOSE DUPLEX	120	1	10.0		X	16	

TRADE & FSEC NOTES:

- I. KITCHEN EQUIPMENT SHALL BE DELIVERED AND ERECTED BY F.S.E.C.
- 2. DO NOT ROUGH-IN FROM THIS DRAWING. REFER TO F.S.E.C. DIMENSIONED ROUGH-IN DRAWINGS AND SHOP DRAWINGS FOR ACTUAL REQUIREMENTS.
- 3. TRADES SHALL MAKE ALL FINAL CONNECTIONS BETWEEN EQUIPMENT AND ROUGH-IN POINT,
- 4. FSEC SHALL FURNISH AND TRADES SHALL INSTALL ALL ACCESSORIES (FAUCETS, SWITCHES,
- CORDS, VALVES, GAS HOSES, ETC.).
- 5. SLOPES TO FD'S SHOULD BE HELD TO A MINIMUM DIMENSION. 6. ALL "ROUGH-INS" SHOULD BE "UP-WITHIN" AND THEN "OUT-OF" WALLS WHERE
- POSSIBLE TO KEEP FLOORS AS CLEAN AS POSSIBLE. ROUGH-INS ARE SHOWN AT
- TERMINATION POINT TO ALLOW WIRING/PIPING TO FIXTURE BY TRADES. 7. TRADES TO PROVIDE CHASES/REWORK OF WALLS, FLOORS, CEILINGS FOR UTILITIES,
- FLOOR GRATES, WALKINS, DUCTS, ETC.
- 8. F.S.E.C. SHALL PROVIDE ACCESS HOLES IN EQUIPMENT FOR UTILITIES, PIPING, POS, BEVERAGE LINES, ETC.
- 9. TRADES SHALL PROVIDE VENTILATION STRUCTURAL SUPPORT, CEILING WORK, ROOF PENETRATIONS AND FIRE PROOFING AS REQUIRED.

- 10. EXHAUST HOOD SHALL BE USED FOR VENTILATION OF COOKING EQUIPMENT ONLY TRADES SHALL PROVIDE ROOM VENTILATION (A/C RECOMMENED) AS REQUIRED
- I I . TRADES SHALL PROVIDE ADEQUATE VENTILATION FOR REFRIGERATION COMPRESSORS, WHETHER AIR OR WATER COOLED.
- AND FURNISH ALL WIRING, SWITCHES, CONTROLS, SERVICE VALVES, PIPING, ETC AS REQUIRED. 12. TRADES SHALL REVIEW ALL ROUGHINS AND SHOP DRAWINGS FROM F.S.E.C. AND
 - ADVISE PRIOR TO ROUGHING IN IF ANY CHANGES ARE REQUIRED.
 - 13. FSEC SHALL COORDINATE ROUGHIN REQUIREMENTS FOR OWNER SUPPLIED, RELOCATED, OR EXISTING EQUIPMENT WITH ALL TRADES
 - 14. TRADES TO REUSE EXISTING ROUGHINS IF APPLICABLE
 - 15. EQUIPMENT NOT BEING REUSED TO BE DISCONNECTED FROM UTILITIES BY THE TRADES.

 - I G. EQUIPMENT NOT BEING RE-USED SHALL BE DISCARDED BY THE FSEC. 17. IF OWNER REQUESTS EXISTING EQUIPMENT BE SALVAGED THE FSEC SHALL TURN OVER TO OWNER.
 - 18. EQUIPMENT DESIGNATED AS RELOCATED SHALL BE DISCONNECTED FROM UTILITIES BY THE TRADES.
 - 19. EQUIPMENT DESIGNATED AS RELOCATED SHALL BE REMOVED FROM SITE, CLEANED, MADE READY
 - FOR HEALTH DEPARTMENT AND RETURNED TO THE SITE BY THE FSEC.
 - 20. EQUIPMENT DESIGNATED AS RELOCATED SHALL BE RE-CONNECTED BY THE TRADES. 21. TRADES & FSEC TO VERIFY VENTILATION DATA WITH HOOD MFG. SHOP DRAWINGS.
 - MECHANICAL / ELECTRICAL NOTES TFT TEMPERED FLOOR TROUGH I 20 V - 20 AMP DUPLEX RECEPTACLE - GFIC HORIZONTALLY MOUNTED I 20 V - 20 AMP SIMPLEX OUTLET - GFIC HORITZONTALLY MOUNTED I 20 VOLT - 30 AMP QUAD OUTLET UON UNLESS OTHERWISE NOTED SR SPECIAL RECEPTACLE - 120 VOLT VOLTS SR | SPECIAL RECEPTACLE - 208/240 VOLT VERIFY IN FIELD W.T. FLUSH FLOOR POWER/COMMUNICATIONS RECEPTACLE HW HOT WATER - 25 PSI - 1 15 DEGREES CW COLD WATER - 25 PSI WATERTIGHT FLUSH FLOOR DUPLEX - 20 AMP - GFIC ⊗ G NATURAL GAS - 7" W.C. OR LP GAS - 11" W.C. - VIF JUNCTION BOX WASTE DRAIN - DIRECT CONNECTION - LT LIGHT FIXTURE (FD) | FD | FLOOR DRAIN - 3" MINIMUM DRAIN - MINIMUM PITCH FUNNEL FLOOR DRAIN FOR IW - 3" MINIMUM DRAIN AFF ABOVE FINISHED FLOOR FL SK | FLOOR SINK FOR IW - I 2" SQ. - HALF GRATE - 3" MIN. BTC BRANCH TO CONNECTION BY TRADES EXHAUST VENT CONNECTION DFA DROP FROM ABOVE MUA MAKE UP AIR DUCT CONNECTION GP GENERAL PURPOSE CUBIC FEET MINUTE HP HORSEPOWER SP STATIC PRESSURE INDIRECT/AIR GAPPED WASTE TO FL DR OR FL SK B BC BEVERAGE CONDUIT WITH 18" SWEEP ENDS BY TRADES - VIF NIKEC NOT IN KITCHEN EQUIPMENT CONTRACT

GENERAL NOTES

1. FSEC SHALL VERIFY ROUGHIN REQUIREMENTS FOR

EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC.

2. TRADES TO REUSE EXISTING ROUGHINS

FOR CONSTRUCTION PURPOSES.

AS DIRECTED BY OWNER.

ANY EXISTING EQUIPMENT AS REQUIRED

WHERE APPLICABLE.

FUTURE, PURVEYOR SUPPLIED, OWNERS RELOCATED

4. EQUIPMENT NOT BEING REUSED TO BE DISCONNECTED BY TRADES AND STORED OR DISCARDED BY THE FSEC

5. EQUIPMENT DESIGNATED AS RELOCATED SHALL

BE DISCONNECTED BY THE TRADES AND

3. TRADES SHALL DISCONNECT, REMOVE, STORE & RECONNECT

RELOCATED BY THE FSEC AS PER PLANS AND SPECIFICATIONS.



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CONSENT OF DRIVEN DESIGN.

PROJECT	NAME WEST MICHIGAN ACCELERATOR
KITCHE	N
PROJECT	ADDRESS
30 W V	'AN BUREN ST, BATTLE CREEK, MI
CLIENT	
ALPHA	CENTER

REVISION

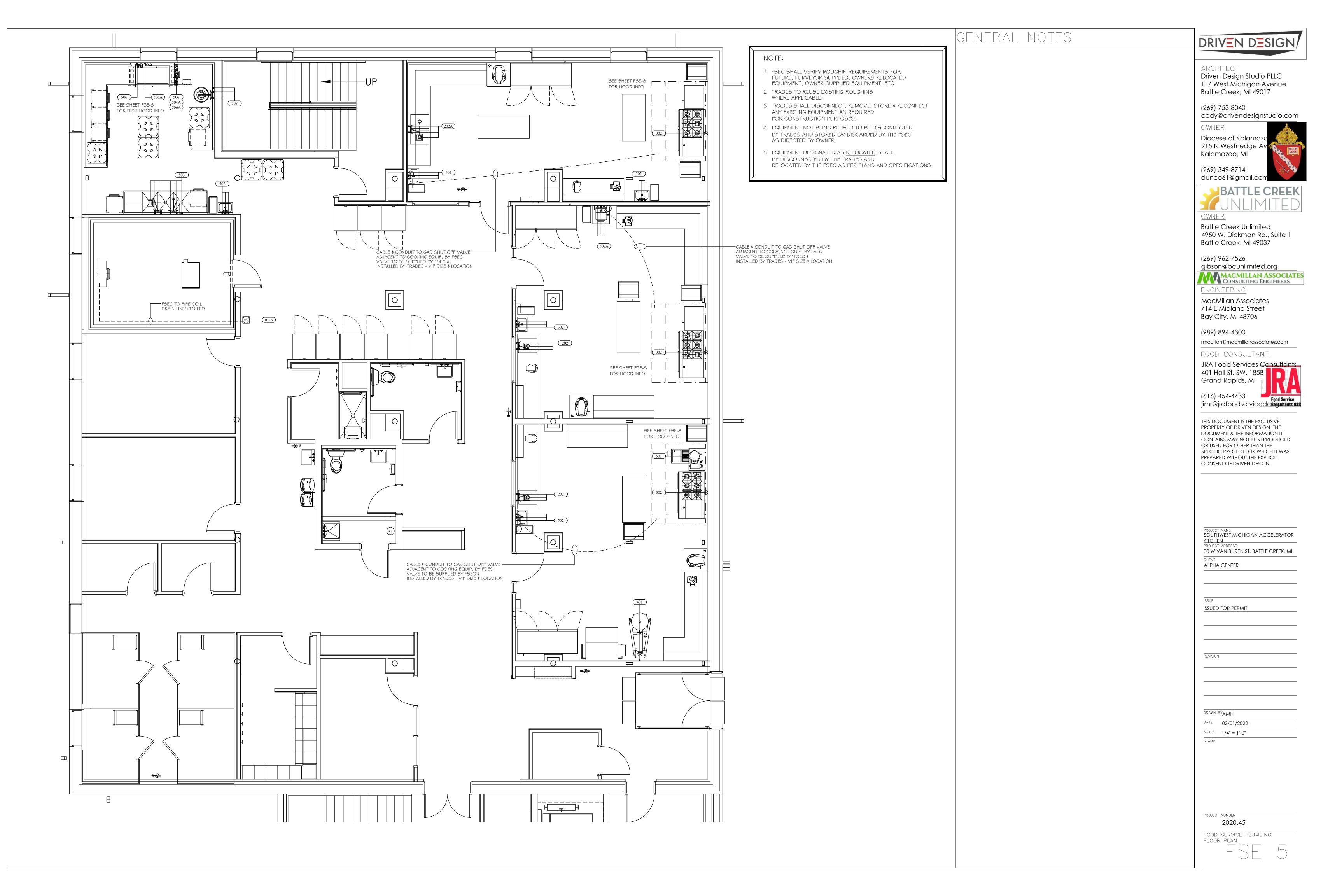
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DRAWN I	^{BY} AMH	
DATE	02/01/2022	
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STAMP		

PROJECT NUMBER

FOOD SERVICE ELECTRICAL SCHEDULE

2020.45

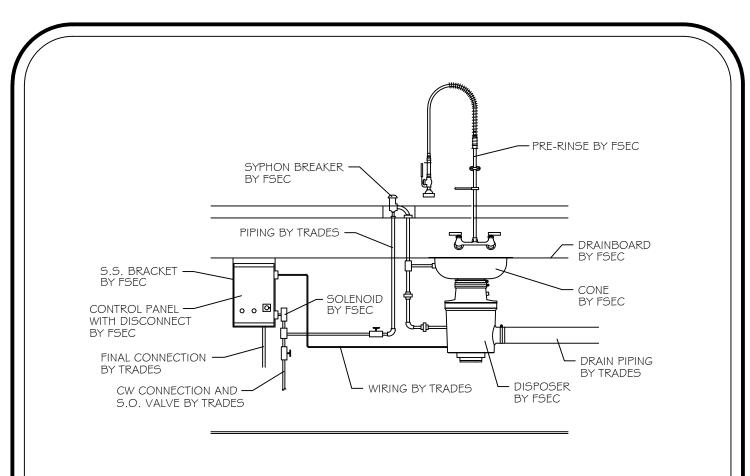


					F	QUIPME	NT SCH	HEDIILE				
Item	EQUIPMENT DESCRIPTION	Compressed AIR (in)	CW (in)	HW (in)		DIRECT	AFF (in)	INDIRECT AIR GAP		AFF (in)	MBTUH	REMARKS
101A	FREEZER COIL							FFD				FSEC PIPE COIL TO FFD
202	PREP TABLE		0.5	0.5	16			FL SK				
202A	PREP TABLE		0.5	0.5	16			FL SK				
302	RANGE W/ GRIDDLE								1	10	278	
401	FILLER MACHINE	0.5										AIR: 4 CFM @ 80 PSI
501	TEMPERED FLOOR TROUGH & GRATE		1.0		IN FLOOR	3						
502	HAND SINK W/ SIDE SPLASHES		0.5	0.5	18	1.5	16					SOAP & TOWEL DISPENSER - BY OWNER
502A	HAND SINK - ADA		0.5	0.5	18	1.5	16					
503	POT SINK		0.5	0.5	16	2	12	FL SK				TRADES TO PIPE 2" DIRECT WASTE TO GREASE TRAP
504A	SOILED DISHTABLE							FL SK				
506	DISHWASHER			0.5	60			FL SK				126 GPH 110° HW FROM BUILDING - BUILT-IN BOOSTER HEATER
506A	DRAIN WATER TEMPERING KIT		0.5		18			FL SK				
507	DISPOSAL		0.75	0.5	18	2	12					

1. FSEC SHALL VERIFY ROUGHIN REQUIREMENTS FOR FUTURE, PURVEYOR SUPPLIED, OWNERS RELOCATED GENERAL NOTES

- 2. TRADES TO REUSE EXISTING ROUGHINS WHERE APPLICABLE.
- 3. TRADES SHALL DISCONNECT, REMOVE, STORE \$ RECONNECT ANY EXISTING EQUIPMENT AS REQUIRED
- 4. EQUIPMENT NOT BEING REUSED TO BE DISCONNECTED BY TRADES AND STORED OR DISCARDED BY THE FSEC AS DIRECTED BY OWNER.

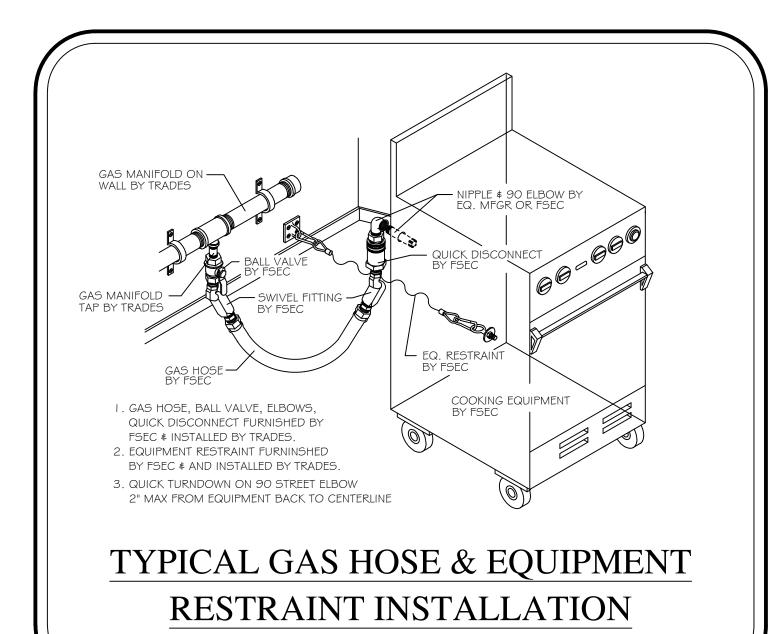
- EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC.
- FOR CONSTRUCTION PURPOSES.
- 5. EQUIPMENT DESIGNATED AS RELOCATED SHALL BE DISCONNECTED BY THE TRADES AND RELOCATED BY THE FSEC AS PER PLANS AND SPECIFICATIONS.



TYPICAL DISPOSER INSTALLATION

SCALE: N.T.S.

CONNECT DIRECTLY TO WASTE LINE AND NOT THROUGH GREASE TRAP. PLUMBING FITTINGS, ELECTRICAL WIRING AND PIPE SHALL BE INCLUDED. INSTALLATION SHOULD BE MADE IN ACCORDANCE WITH LOCAL CODES.



SCALE: N.T.S.

TRADE & FSEC NOTES:

- I. KITCHEN EQUIPMENT SHALL BE DELIVERED AND ERECTED BY F.S.E.C.
- 2. DO NOT ROUGH-IN FROM THIS DRAWING. REFER TO F.S.E.C. DIMENSIONED ROUGH-IN DRAWINGS AND SHOP DRAWINGS FOR ACTUAL REQUIREMENTS
- 3. TRADES SHALL MAKE ALL FINAL CONNECTIONS BETWEEN EQUIPMENT AND ROUGH-IN POINT, AND FURNISH ALL WIRING, SWITCHES, CONTROLS, SERVICE VALVES, PIPING, ETC AS REQUIRED. 12. TRADES SHALL REVIEW ALL ROUGHINS AND SHOP DRAWINGS FROM F.S.E.C. AND
- 4. FSEC SHALL FURNISH AND TRADES SHALL INSTALL ALL ACCESSORIES (FAUCETS, SWITCHES, CORDS, VALVES, GAS HOSES, ETC.).
- 5. SLOPES TO FD'S SHOULD BE HELD TO A MINIMUM DIMENSION.
- 6. ALL "ROUGH-INS" SHOULD BE "UP-WITHIN" AND THEN "OUT-OF" WALLS WHERE POSSIBLE TO KEEP FLOORS AS CLEAN AS POSSIBLE. ROUGH-INS ARE SHOWN AT
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PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR
KITCHEN
PROJECT ADDRESS

30 W VAN BUREN ST, BATTLE CREEK, MI ALPHA CENTER

ISSUED FOR PERMIT

REVISION

DRAWN BYAMH

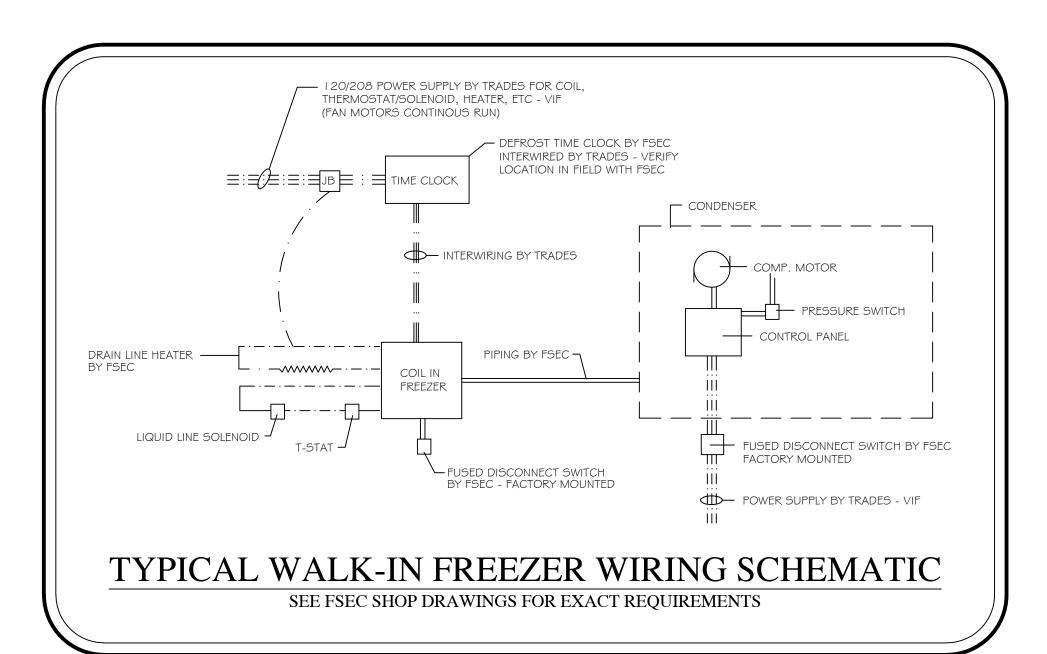
DATE 02/01/2022

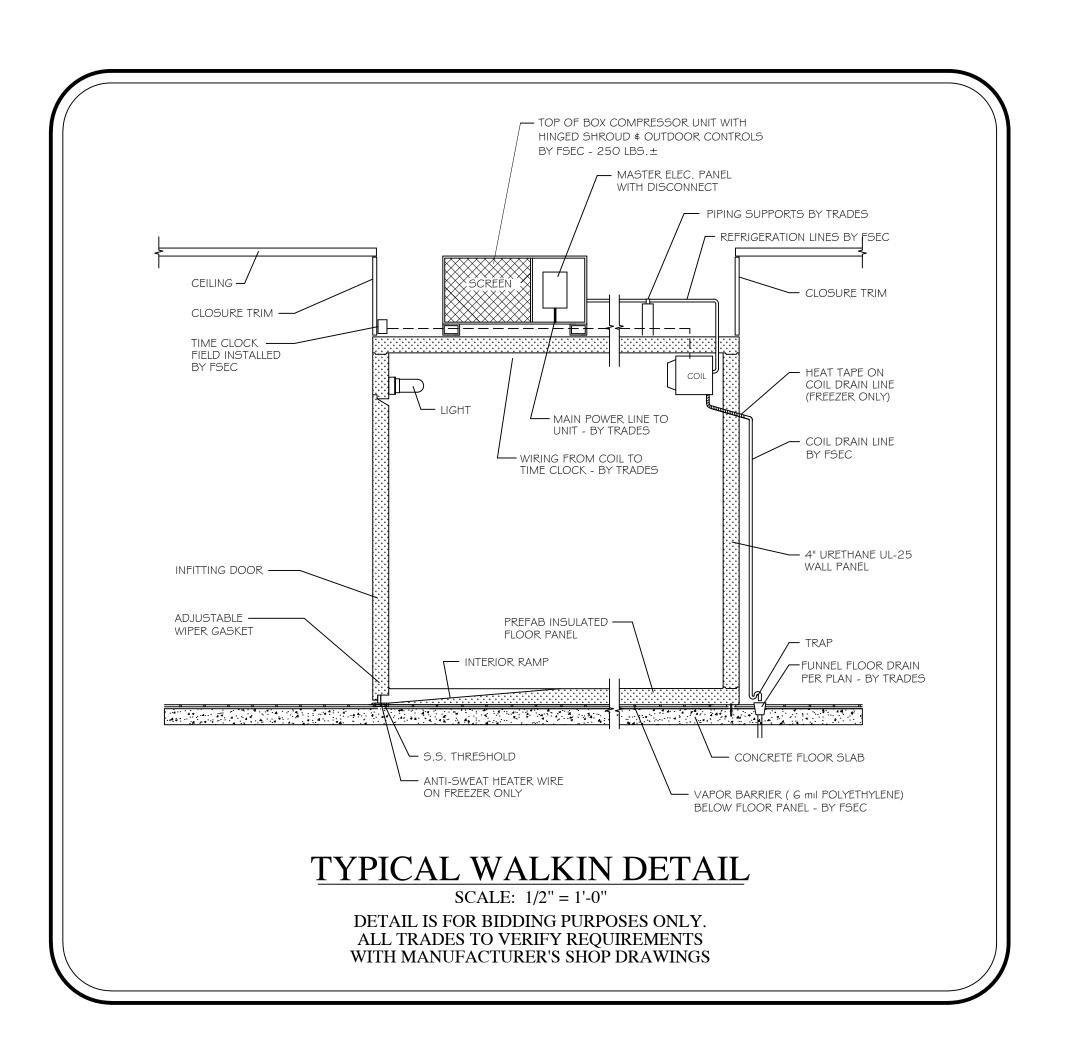
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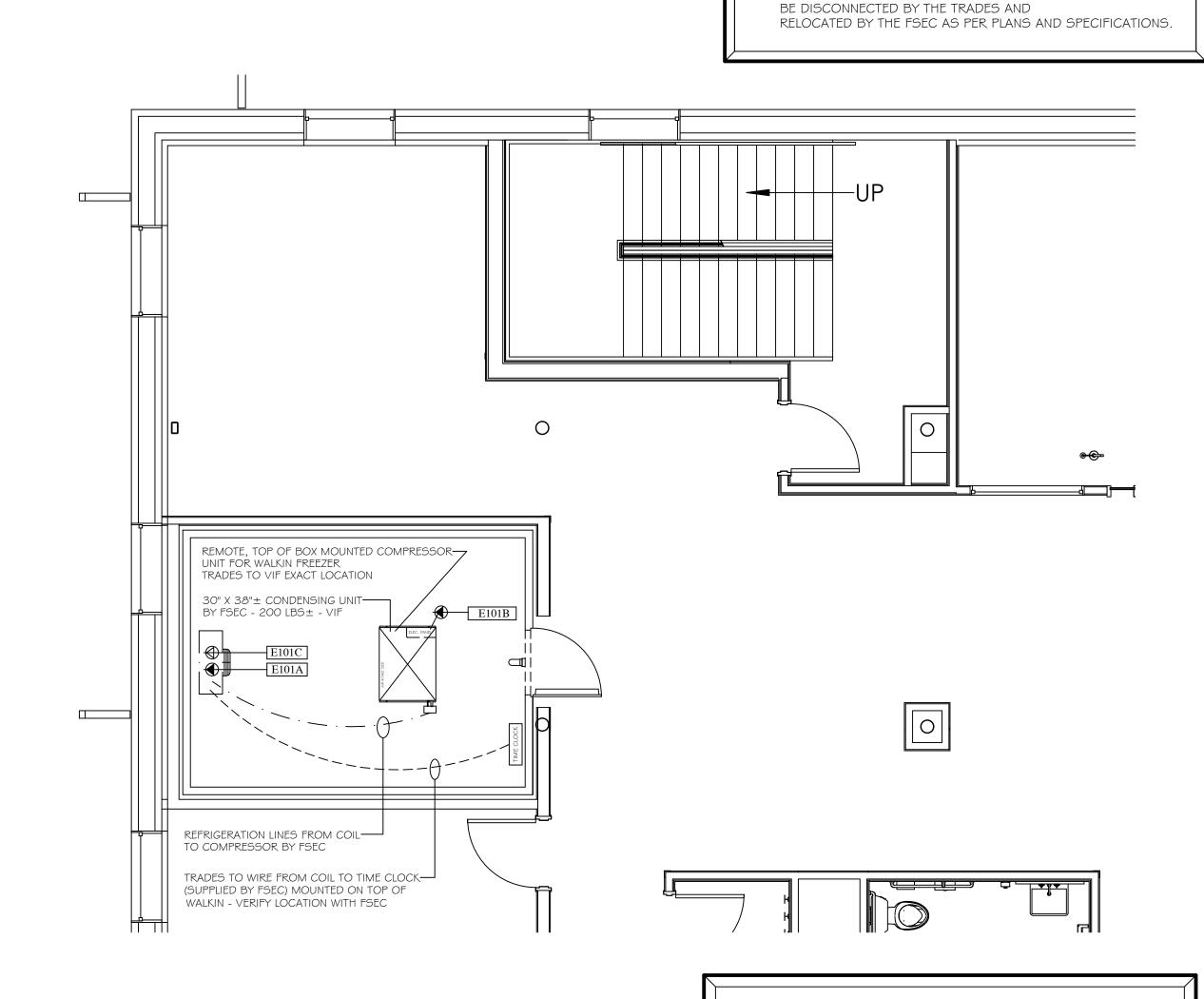
PROJECT NUMBER 2020.45

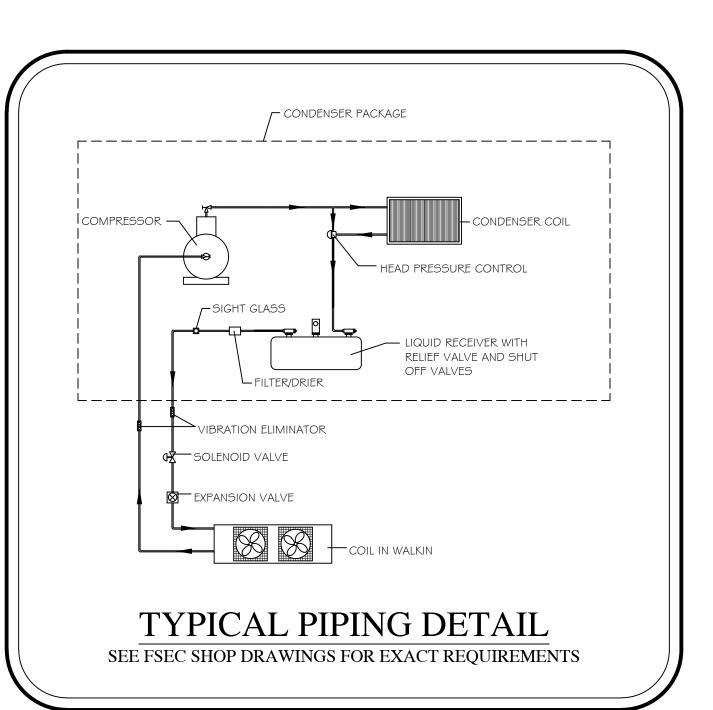
FOOD SERVICE PLUMBING SCHEDULE

	ELECTRICAL CONNECTIONS SCHEDULE												
CONN.	VOLTS	PH	KW	HP	AMPS	CONNECTION	HEIGHT	REMARKS					
E101A	208	1			15.0	DIRECT	DFA	WIRING FROM COIL TO TIME CLOCK BY TRADES					
E101B	208	3			15.0	DIRECT	TOP OF BOX						
E101C	120	1			5.0	DIRECT	DFA	FREEZER COIL HEAT TAPE					









REFRIGERATION NOTES

1. FSEC SHALL VERIFY ROUGHIN REQUIREMENTS FOR

2. TRADES TO REUSE EXISTING ROUGHINS

ANY EXISTING EQUIPMENT AS REQUIRED

FOR CONSTRUCTION PURPOSES.

AS DIRECTED BY OWNER.

WHERE APPLICABLE.

FUTURE, PURVEYOR SUPPLIED, OWNERS RELOCATED EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC.

4. EQUIPMENT NOT BEING REUSED TO BE DISCONNECTED BY TRADES AND STORED OR DISCARDED BY THE FSEC

5. EQUIPMENT DESIGNATED AS <u>RELOCATED</u> SHALL

3. TRADES SHALL DISCONNECT, REMOVE, STORE & RECONNECT

A. FSEC SHALL PROVIDE AND INSTALL WALKIN AND REFRIGERATION SYSTEM WITH COIL, CONDENSER, INSULATED LINES, OUTDOOR CONTROL PACKAGE, HINGED SHROUD, CONTROLS, CURBS, ETC. EVACUATE, CHARGE, TEST, ADJUST, ETC. PER G.S..

B. PROVIDE DIRECT EXPANSION TYPE COILS WITH ELECTRIC DEFROST SIMILAR TO BOHN CO. "LET" SERIES WITH LIQUID LINE SOLENOID VALVE, SUCTION LINE "P" TRAP, AND THERMOSTAT PIPED AND WIRED TO THE JUNCTION BOX

FOR POSITIVE PUMP DOWN. PROVIDE TRAPPED COIL DRAIN LINES. C. PROVIDE AIR COOLED CONDENSER PACKAGE SIMILAR TO COPELAND CO.

"C" SERIES WITH OUTDOOR CONTROLS, HINGED SHROUD, AND FLOODED HEAD PRESSURE CONTROL SYSTEM. ALL INTERNAL PIPING SHALL BE PRE-PIPED TO OUTSIDE OF ENCLOSURE WITH DRIER, SIGHT GLASS AND VIBRATION ELIMINATORS FOR SUCTION AND LIQUID LINES. D. PROVIDE INSULATED, REFRIGERANT GRADE OR TYPE "L" COPPER

LINE SETS WITH SILVER SOLDER. E. ALL LINES SHALL BE SECURELY SUPPORTED AND ANCHORED WITH CLAMPS FSEC TO VERIFY ALL DIMENSIONS AND DATA IN FIELD

GENERAL TRADES

A. PROVIDE 12" X 12" ROOF OPENING AND RAISED CURB - VIF. B. PROVIDE STRUCTURAL SUPPORT FOR CONDENSOR UNIT - VIF.

C. PROVIDE FLOOR CONSTRUCTION AND INSULATION AS PER PLAN D. PROVIDE PRESSURE TREATED WOOD THERMAL BREAKS UNDER ALL WALKIN

WALLS UP THRU AND 1/8" ABOVE QUARRY TILE FLOOR TO TOUCH SCREEDS. E. PROVIDE A MINIMUM OF 4" FROM CENTERLINE OF THERMAL BREAK TO ADJACENT BUILDING WALLS (TO CREATE AIR SPACE TO WALKIN WALL).

F. PROVIDE THREE LAYERS OF 2" OWENS/CORNING FOAMULAR 150 SERIES EXTRUDED POLYSTYRENE WITH R-VALUE OF 10 EACH AND DENSITY

G. INSULATION MUST BE TIGHT AGAINST ALL THERMAL BREAKS AFTER CONCRETE IS POURED. H. PROVIDE A 6 MIL POLYETHYLENE SHEET WATERTIGHT SEAL UNDER THE

ENTIRE INSULATED SUBFLOOR AND UP ALL VERTICAL EXTERIOR SIDES IN CONTACT WITH THERMAL BREAKS.

I. PROVIDE POWER AND WIRING PER CODE FOR REFRIGERATION

SYSTEM AND CONNECT TO CONTROL PANEL AND DISCONNECT (BY FSEC) ON ROOF TOP CONDENSING UNIT.

J. INSTALL ALL WIRING PER CODE TO SUPPLY POWER FOR COILS,

TIME CLOCKS, SOLENOID/THERMOSTAT, DRAIN LINE HEATER, ÉTC - VIF

K. PROVIDE POWER AND INTERWIRE INTERIOR LIGHTS WITH

EXTERIOR CONDUIT.

L. CONNECT DRAIN LINE HEATER (PROVIDED BY FSEC) IN FREEZER THROUGH J.B.

M. PROVIDE FUNNEL FLOOR DRAINS PER PLAN WITH MINIMUM PITCH 4" FROM WALKIN WALLS. PIPING SHALL NOT INTERFERE WITH INSULATED SUBFLOOR.

GENERAL NOTES

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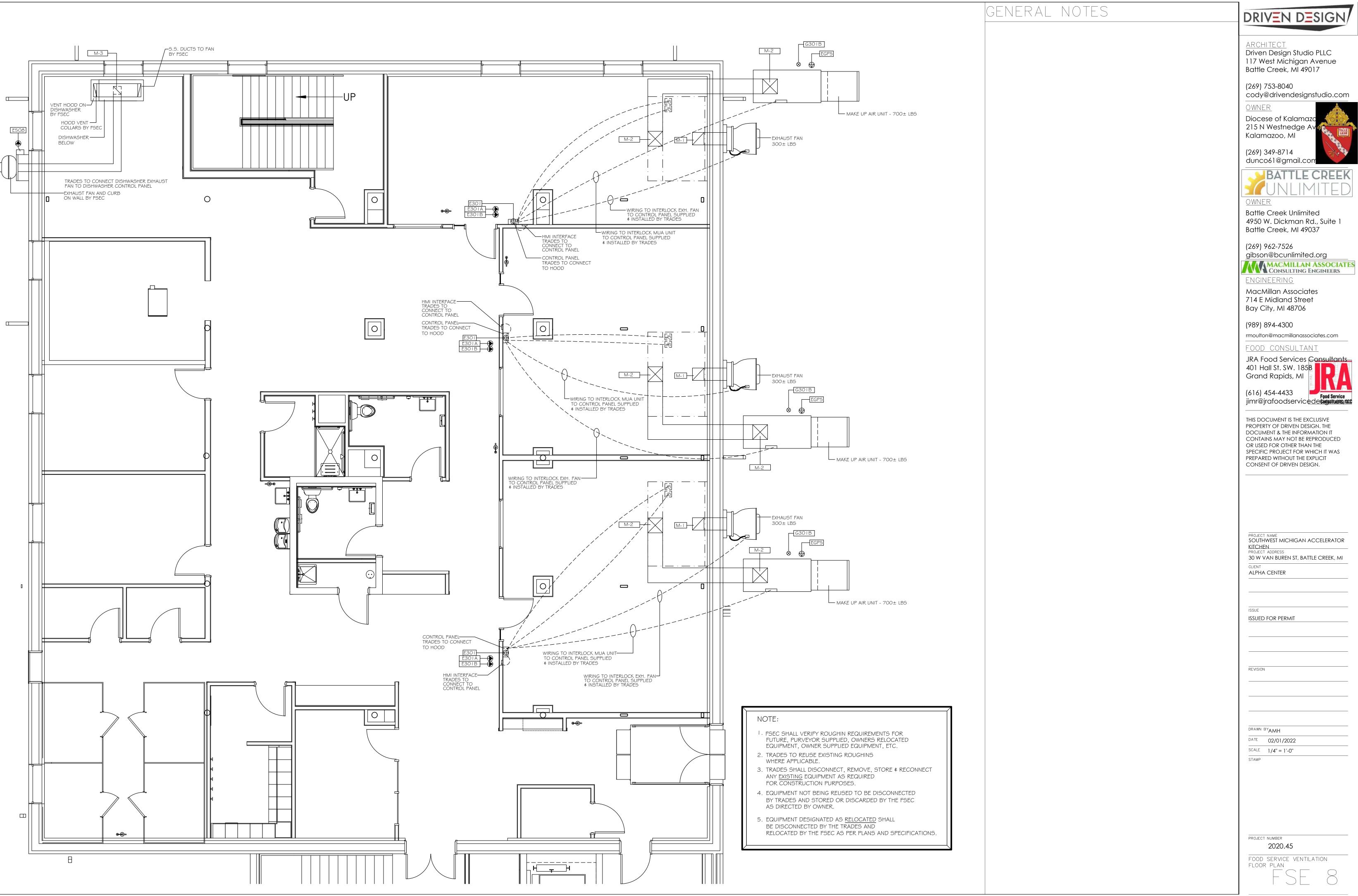
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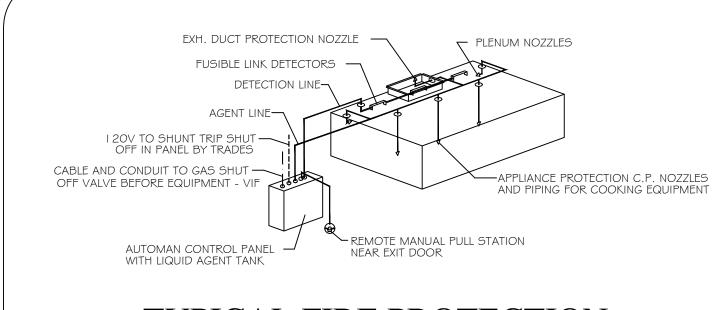
FOOD SERVICE REFRIGERATION FLOOR PLAN



MECHANICAL CONNECTION SCHEDULE											
NO.	GAS	BTU	EXH	MUA	CFM	VOLTS	PH	AMPS	REMARKS		
G301	1"	183,000							ON GROUND FOR MUA UNIT - VERIFY EXACT LOACTION		
E301						120	I	10.0	LIGHTS # HEAT SENSOR		
E301A						208	3	10.0	ON WALL FOR EXHAUST FAN - VIF		
E301B						208	3	15.0	ON GROUND FOR MUA UNIT - VIF		
E508A						120	1	10.0	TRADES TO CONNECT TO DISHWASHER CONTROL PANEL		
EGP5						120	1	10.0	SERVICE OUTLET FOR GROUND EQUIPMENT		
M-I			14" X 15"		2,300				EXHAUST DUCT - 2 HR RATED BY FSEC IF REQD BY CODE		
M-2				18" X 18"	2,300				MUA DUCT - CONNECT TO DIFFUSERS ON HOOD FACE		
M-3			8" X 8"						EXHAUST FAN ON WALL BY FSEC		

	VENTILATION DATA - 508											
VENT HOODS ON DISHWASHER	8" BY 25" BY 10" HIGH	TWO REQUIRED										
EXHAUST DUCT COLLARS ON HOODS	4" BY 16"	TWO REQUIRED										
TOTAL SYSTEM STATIC PRESSURE	0.40" WG											
EXHAUST FAN & CURB - 100± LBS	PENN FMX-BFT	E.C. TO CONNECT DISHWASHER EXH FAN TO DISHWASHER CONTROL PANEL										
EXHAUST CFM	750											
EXHAUST DUCT RISER	4" X 16"	TWO REQUIRED										
EXH. DUCT - 18 GA. S.S WELDED	8" X 8"	T-DUCT TO RISER										
M.U.A. CFM - TEMPERED	750	FROM BLDG HVAC										
WALL OPENING	10" X 10" - VIF											

VE	ENTILATION DATA - 3	01
18 GA. S.S. HOOD - 100 LBS/FT	8'-6" X 4'-6" X 24"	6" OVERHANG \$ M.U.A. FRONT
UL LISTED GREASE EXTRACTOR FILTERS	5 - 16" BY 20"	269 FPM - FACE VELOCITY
EXHAUST DUCT COLLARS ON HOOD	14" X 15"	ONE REQUIRED
MUA DUCT COLLARS ON HOOD	18" X 18"	ONE REQUIRED
S.S. END PANELS	40" X 46"	TWO REQUIRED
TOTAL SYSTEM STATIC PRESSURE	1.00 WG	
EXHAUST FAN & CURB	PENN FMX-BFT	300± LBS
EXHAUST CFM - UL LISTING	2,300	
EXH. DUCT - 16 GA. WELDED	14" X 15"	I ,577 FPM - DUCT VELOCITY
M.U.A. UNIT - 70° RISE	159,000	700± LBS
M.U.A. CFM - TEMPERED	2,300	
M.U.A. DUCT	18" X 18"	1,022 FPM
WALL OPENINGS	TWO REQUIRED - VIF	BY TRADES

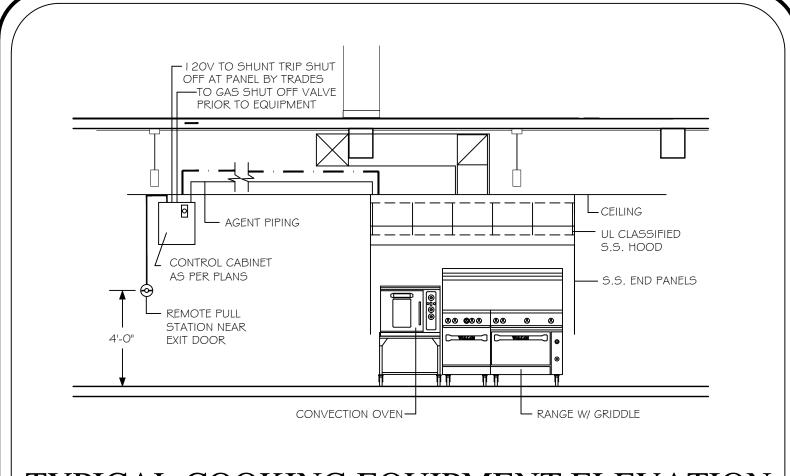


TYPICAL FIRE PROTECTION

SYSTEM - UL 300

SCALE: N.T.S.

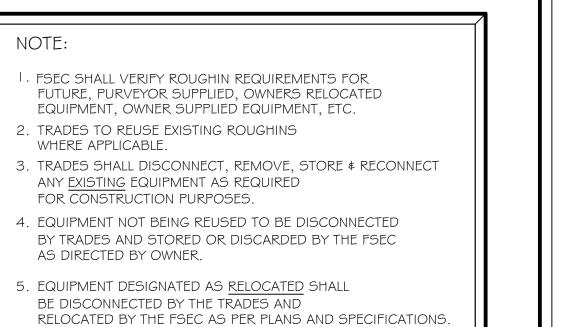
SEE FSEC SHOP DRAWINGS FOR EXACT REQUIREMENTS

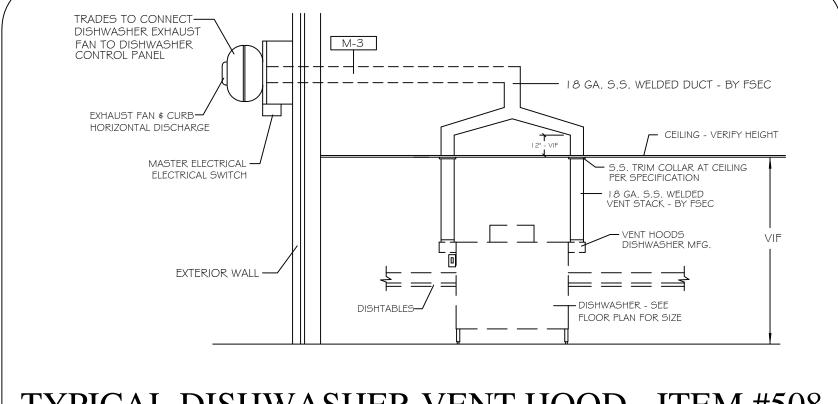


TYPICAL COOKING EQUIPMENT ELEVATION

SCALE: N.T.S.

DETAIL IS FOR BIDDING PURPOSES ONLY. ALL TRADES TO VERIFY REQUIREMENTS WITH MANUFACTURER'S SHOP DRAWINGS

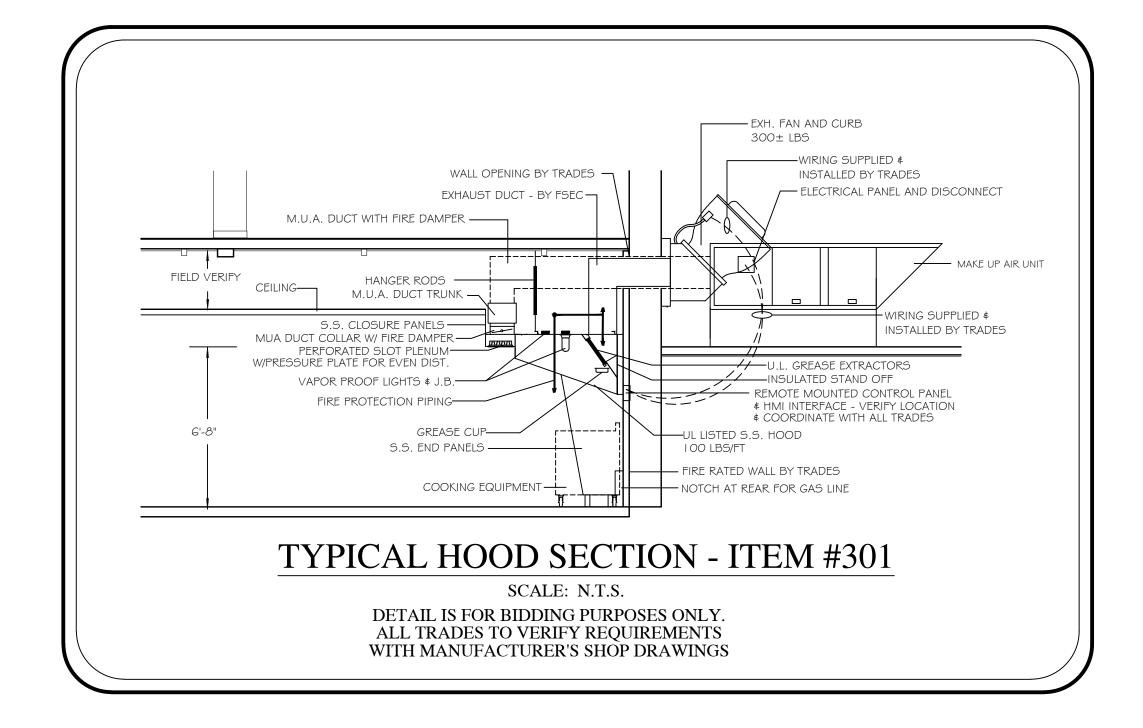


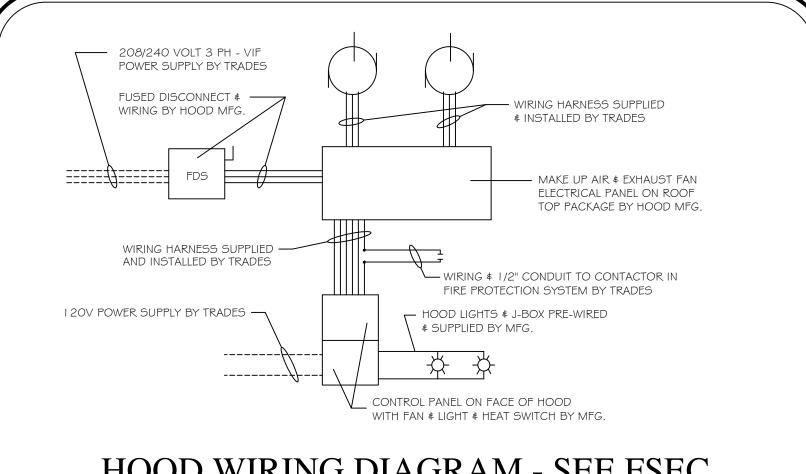


TYPICAL DISHWASHER VENT HOOD - ITEM #508

SCALE: N.T.S.

DETAIL IS FOR BIDDING PURPOSES ONLY. ALL TRADES TO VERIFY REQUIREMENTS WITH MANUFACTURER'S SHOP DRAWINGS





HOOD WIRING DIAGRAM - SEE FSEC

SCALE: N.T.S.

SEE SHOP DRAWINGS FOR EXACT REQUIREMENTS

UPON ACTIVATION OF THE FIRE PROTECTION SYSTEM, SHUT DOWN THE SUPPLY FAN. EXHAUST FAN SHALL CONTINUE TO RUN OR SHALL BE SHUT DOWN AS DIRECTED BY THE FIRE MARSHALL AND/OR THE HEALTH DEPARTMENT. VERIFY WITH LOCAL INSPECTORS. TRADES TO WIRE AS REQUIRED.

DRIVEN DESIGN

<u>ARCHITECT</u>

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SOUTHWEST MICHIGAN ACCELERATO
KITCHEN
PROJECT ADDRESS
30 W VAN BUREN ST, BATTLE CREEK, N

ALPHA CENTER

PROJECT NAME

ISSUED FOR PERMIT

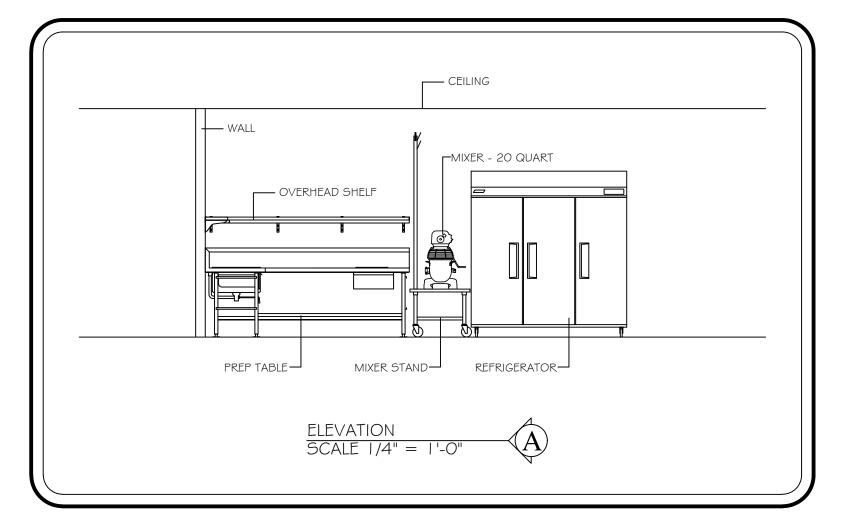
REVISION

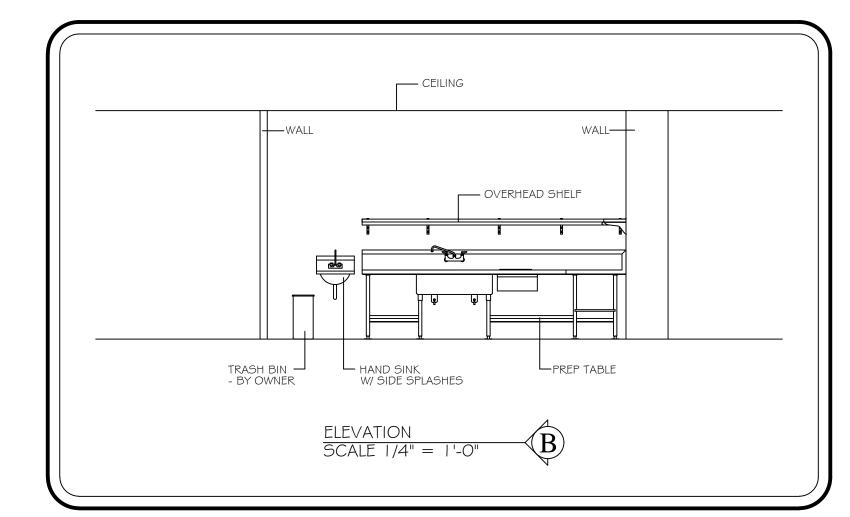
DRAWN BYAMH DATE 02/01/2022

SCALE 1/4" = 1'-0" STAMP

PROJECT NUMBER

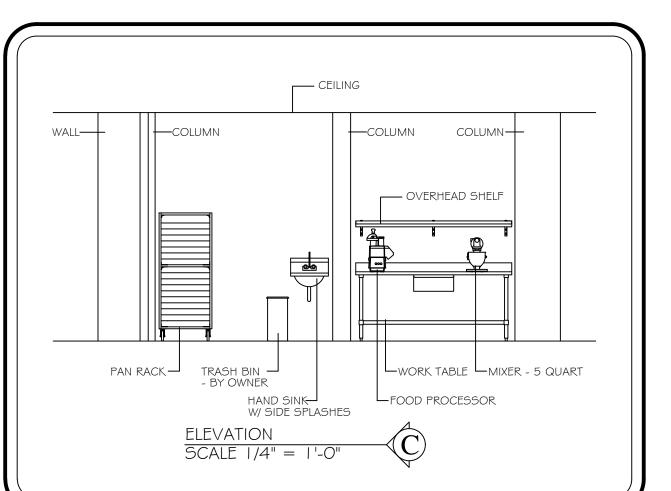
2020.45 FOOD SERVICE VENTILATION SCHEDULE

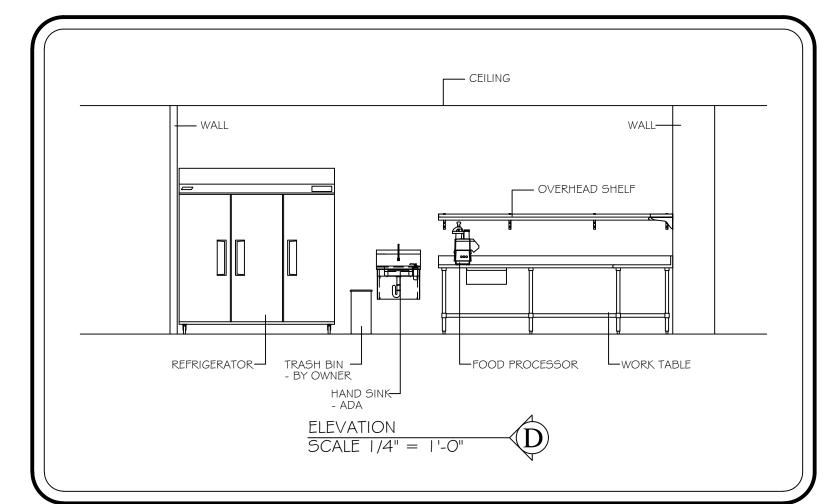


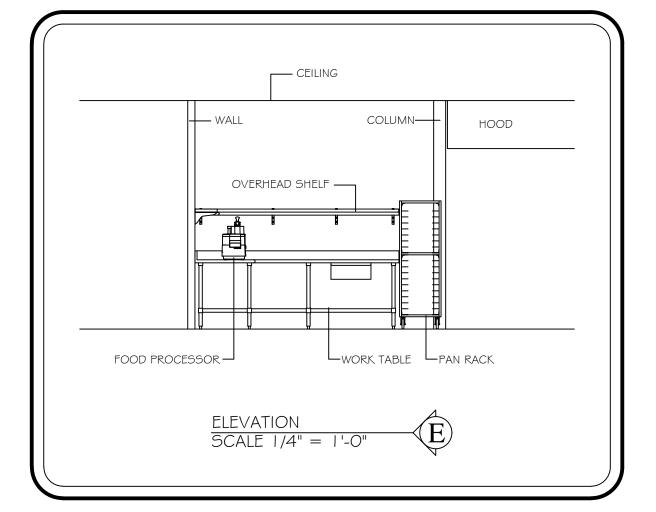


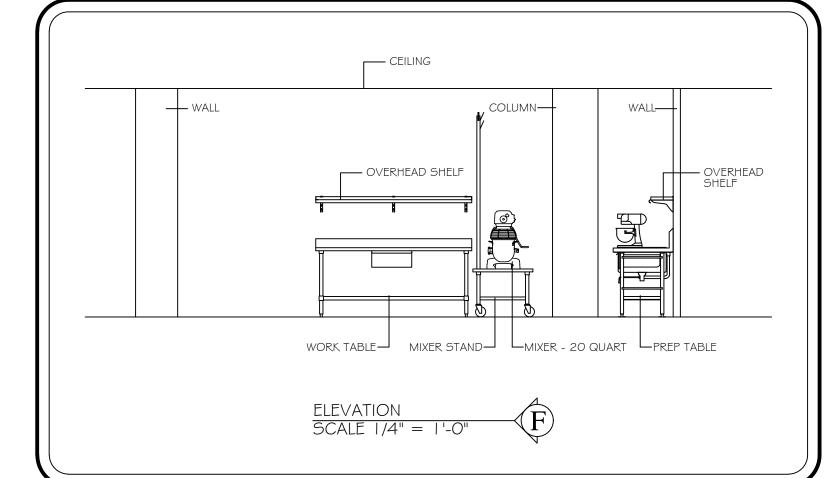
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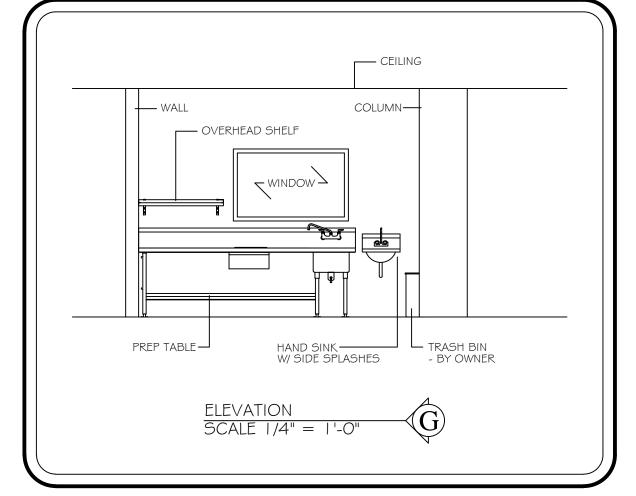
- FSEC SHALL VERIFY ROUGHIN REQUIREMENTS FOR FUTURE, PURVEYOR SUPPLIED, OWNERS RELOCATED EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC.
- 2. TRADES TO REUSE EXISTING ROUGHINS WHERE APPLICABLE.
- 3. TRADES SHALL DISCONNECT, REMOVE, STORE \$ RECONNECT ANY EXISTING EQUIPMENT AS REQUIRED FOR CONSTRUCTION PURPOSES.
- 4. EQUIPMENT NOT BEING REUSED TO BE DISCONNECTED BY TRADES AND STORED OR DISCARDED BY THE FSEC AS DIRECTED BY OWNER.
- 5. EQUIPMENT DESIGNATED AS <u>RELOCATED</u> SHALL BE DISCONNECTED BY THE TRADES AND
- RELOCATED BY THE FSEC AS PER PLANS AND SPECIFICATIONS.

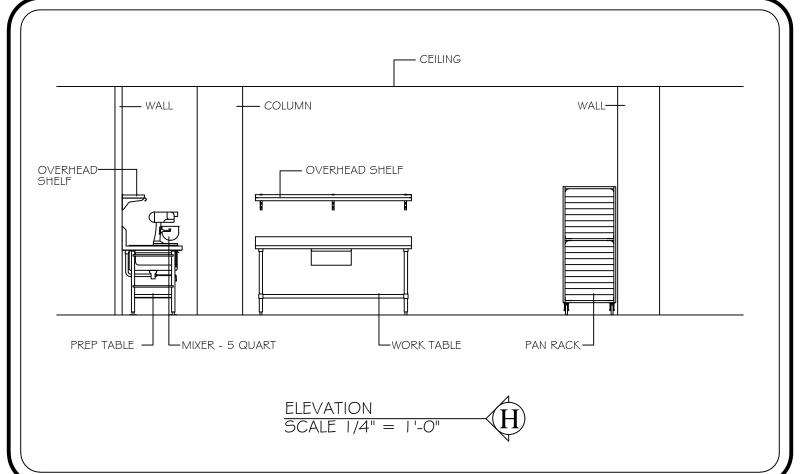


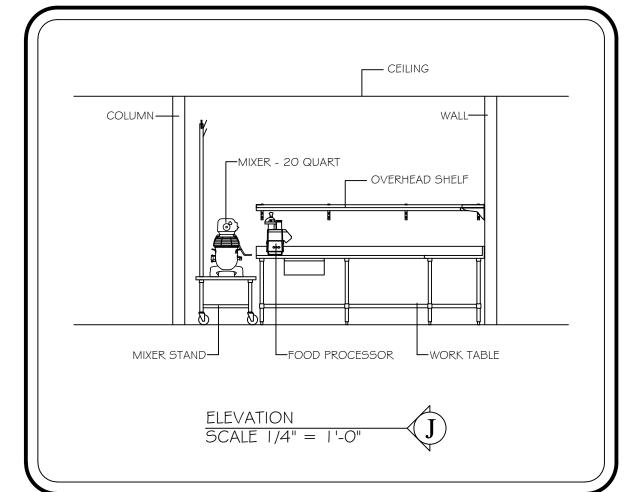


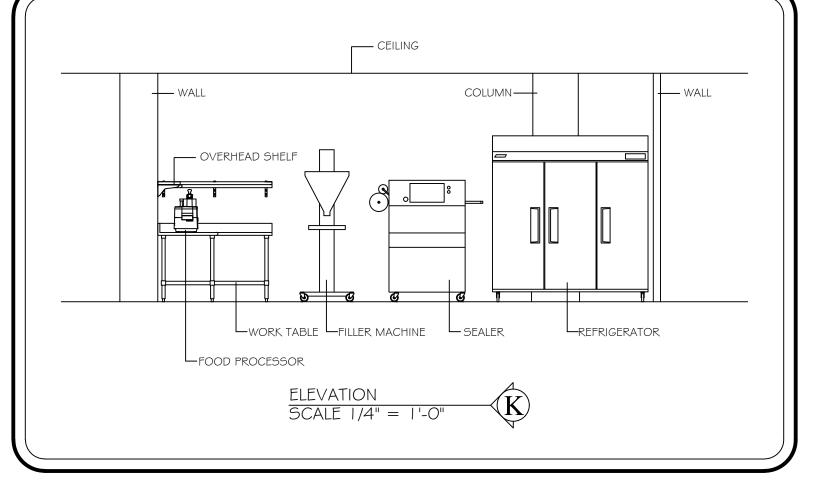


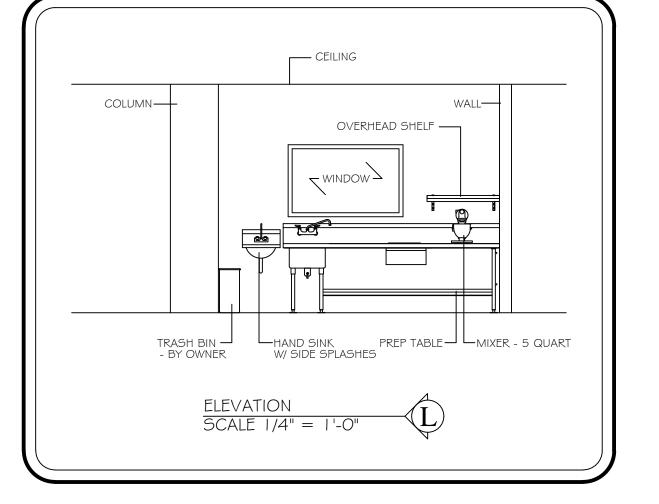












GENERAL NOTES



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PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR 30 W VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER

ISSUED FOR PERMIT

REVISION

DRAWN BYAMH

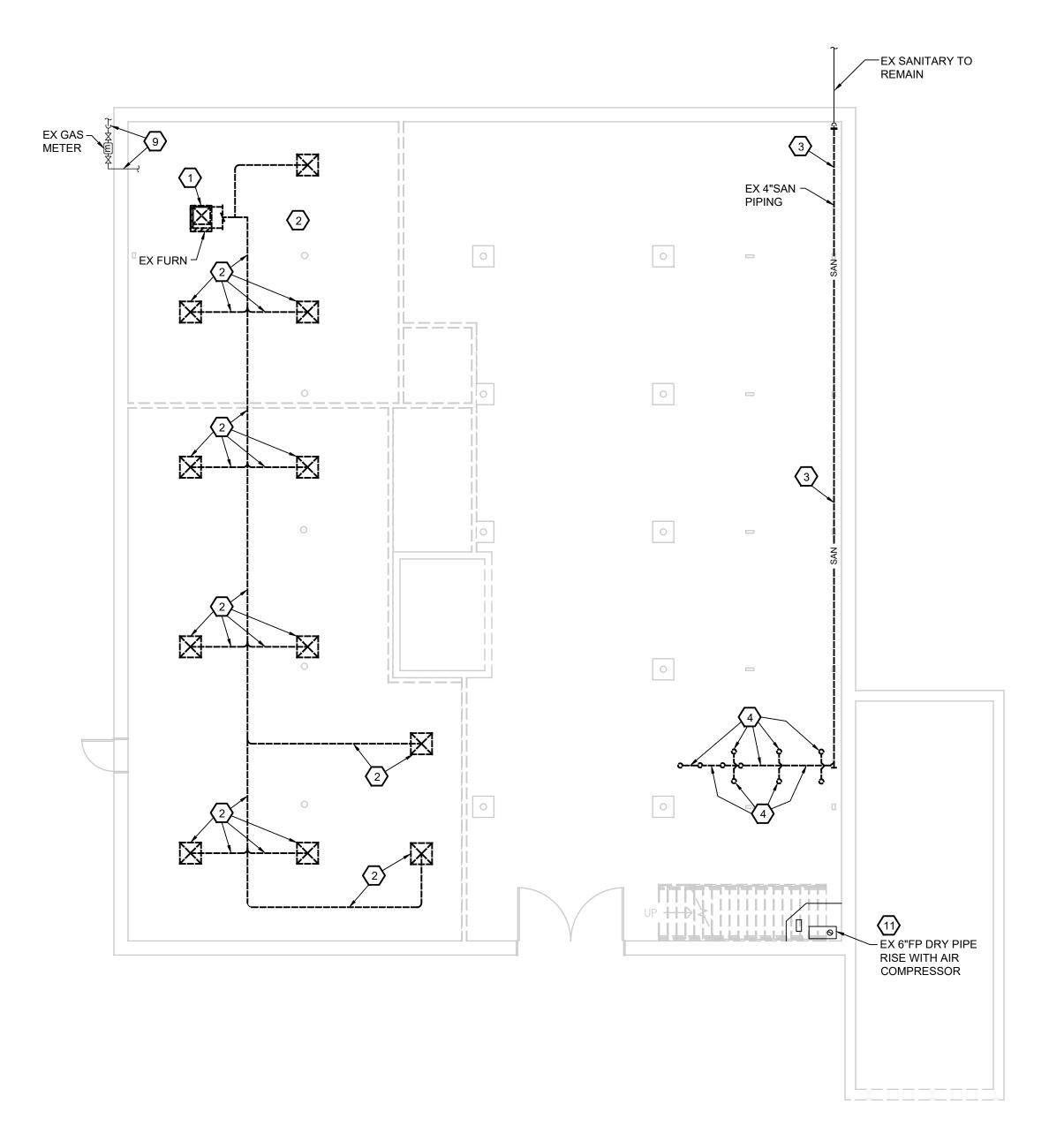
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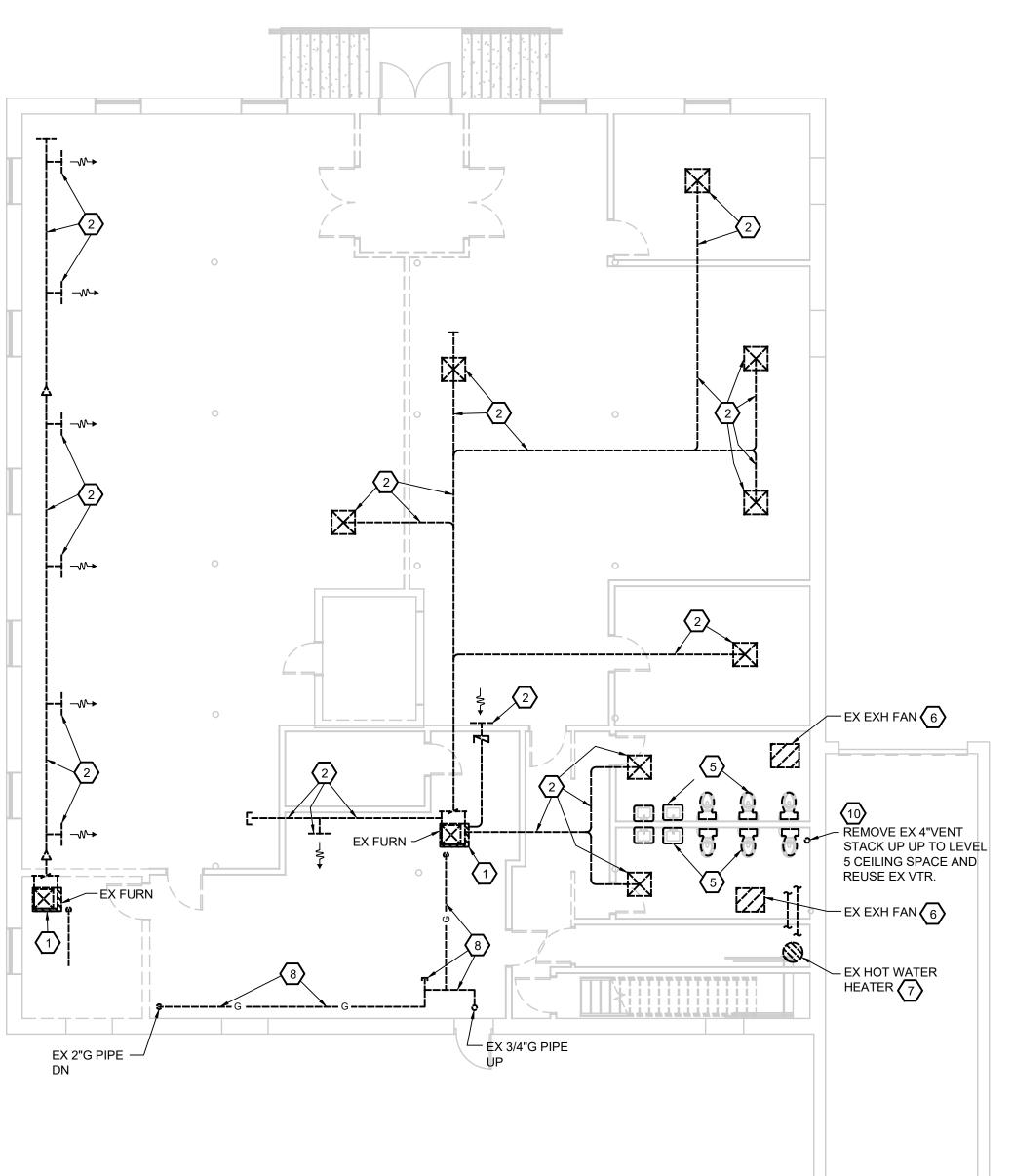
STAMP

PROJECT NUMBER 2020.45

FOOD SERVICE EQUIPMENT DETAILS



LEVEL 1 FLOOR PLAN - MECHANICAL DEMOLITION



KEYED NOTES - M100

1 REMOVE EXISTING RESIDENTIAL FURNACE AND ALL ASSOCIATED DUCTWORK, COMBUSTION VENTING, NATURAL GAS PIPING, THERMOSTAT,

(2) REMOVE ALL EXISTING DUCTWORK, DIFFUSERS, DUCT HANGERS, ETC. (TYP) REMOVE EXISTING 4" SANITARY PIPING ROUTED HIGH THROUGH THE BASEMENT AREA. REMOVE BACK TO NEAR WALL PENETRATION TO ALLOW CONNECTION OF NEW PIPING TO EXISTING.

REMOVE ALL SANITARY, VENT AND DOMESTIC WATER PIPING SERVING

EXISTING PLUMBING FIXTURES. 5 REMOVE EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED PIPING, VALVES, ETC. THIS INCLUDES ALL SANITARY, VENT AND ALL DOMESTIC

WATER PIPING, PIPE HANGERS, ETC. (6) REMOVE EXISTING CEILING EXHAUST FAN AND CONTROLS, HANGERS, ETC. 7 REMOVE EXISTING DOMESTIC HOT WATER HEATER AND ALL ASSOCIATED

PIPING, VALVES, ETC. 8 REMOVE ALL EXISTING NATURAL GAS PIPING AND ASSOCIATED VALVES,

HANGERS, ETC. 9 EXISTING NATURAL GAS SERVICE AND METER. THE MECHANICAL TRADE SHALL REMOVE ALL NATURAL GAS PIPING FROM METER/REGULATOR ASSEMBLY TO INSIDE BUILDING TO ALL EQUIPMENT. THE OWNER SHALL PAY ALL COSTS TO THE GAS COMPANY FOR ANY SERVICE OR METER/REGULATOR REVISIONS.

EXISTING 4" VENT STACK TO BE REMOVED.

11) FIRE PROTECTION SYSTEM SHALL BE REVISED TO NEW WET PIPE SYSTEM.

KITCHEN PROJECT ADDRESS 30 W VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER

DATE 02/01/2022

scale As indicated

PROJECT NUMBER 2020.45

MECHANICAL DEMOLITION M100

LEVEL 2 FLOOR PLAN - MECHANICAL DEMOLITION



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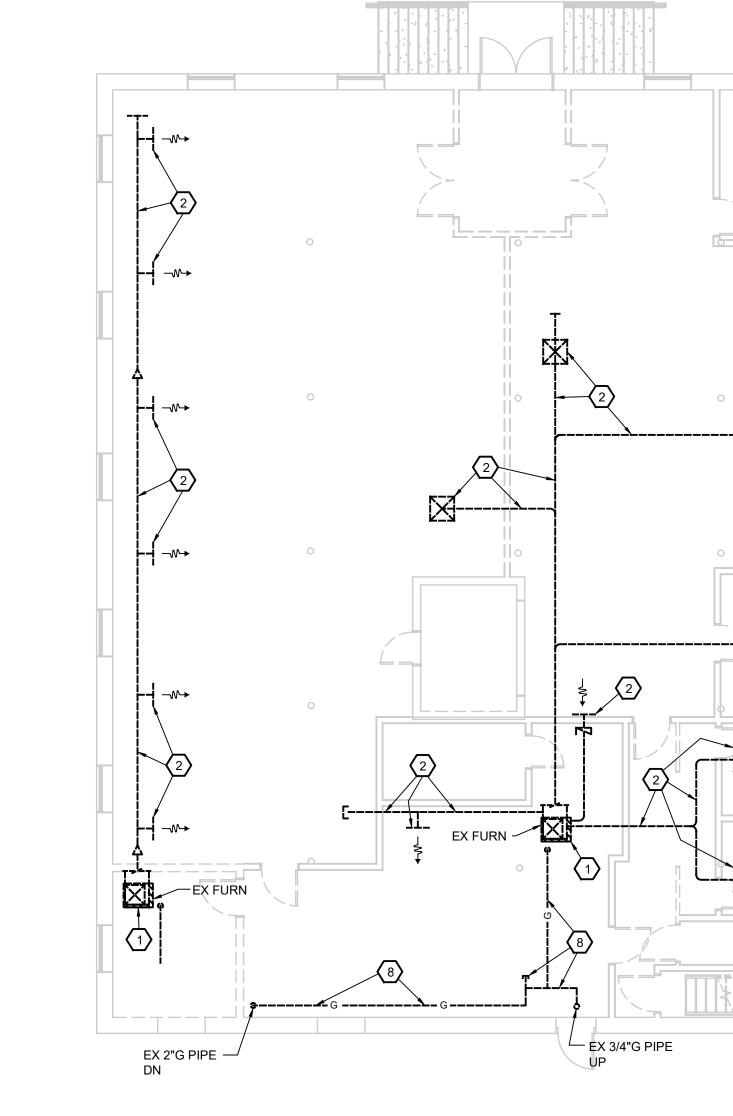
<u>ARCHITECT</u>

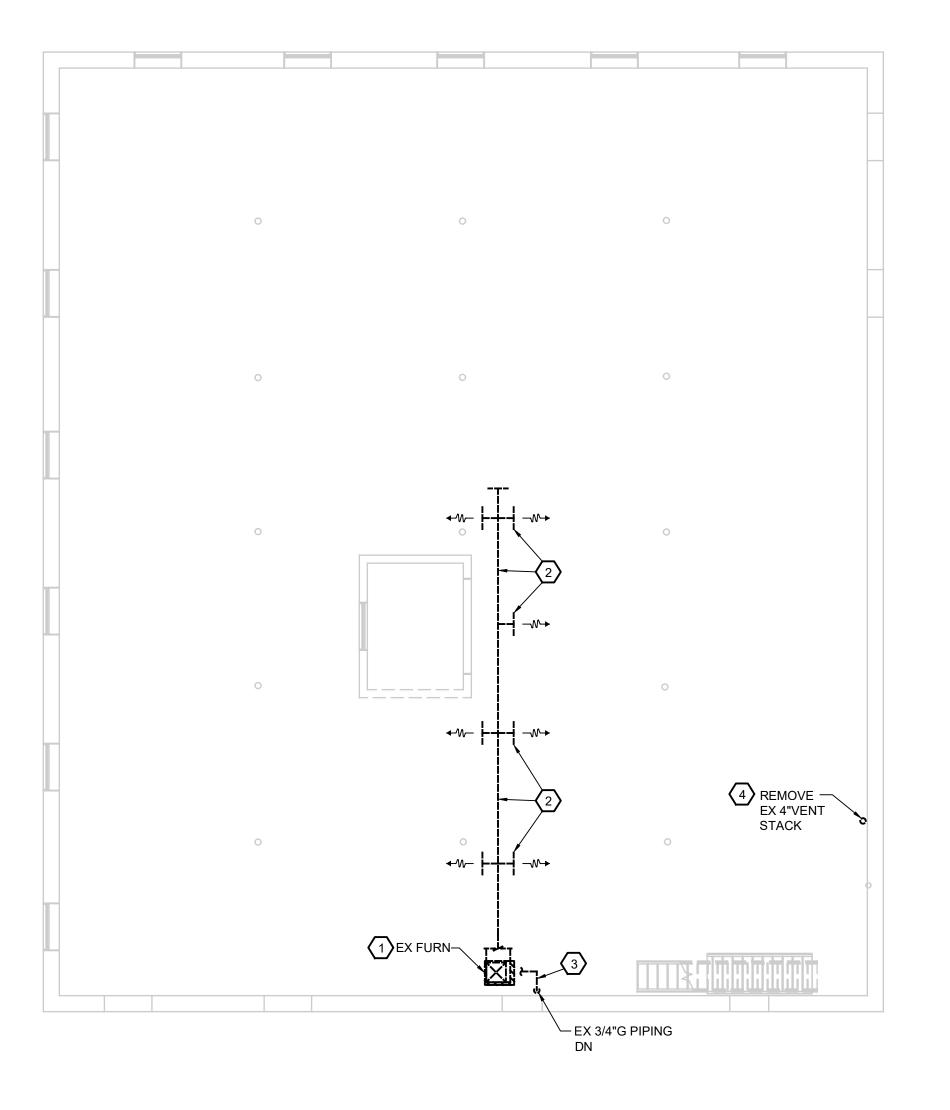
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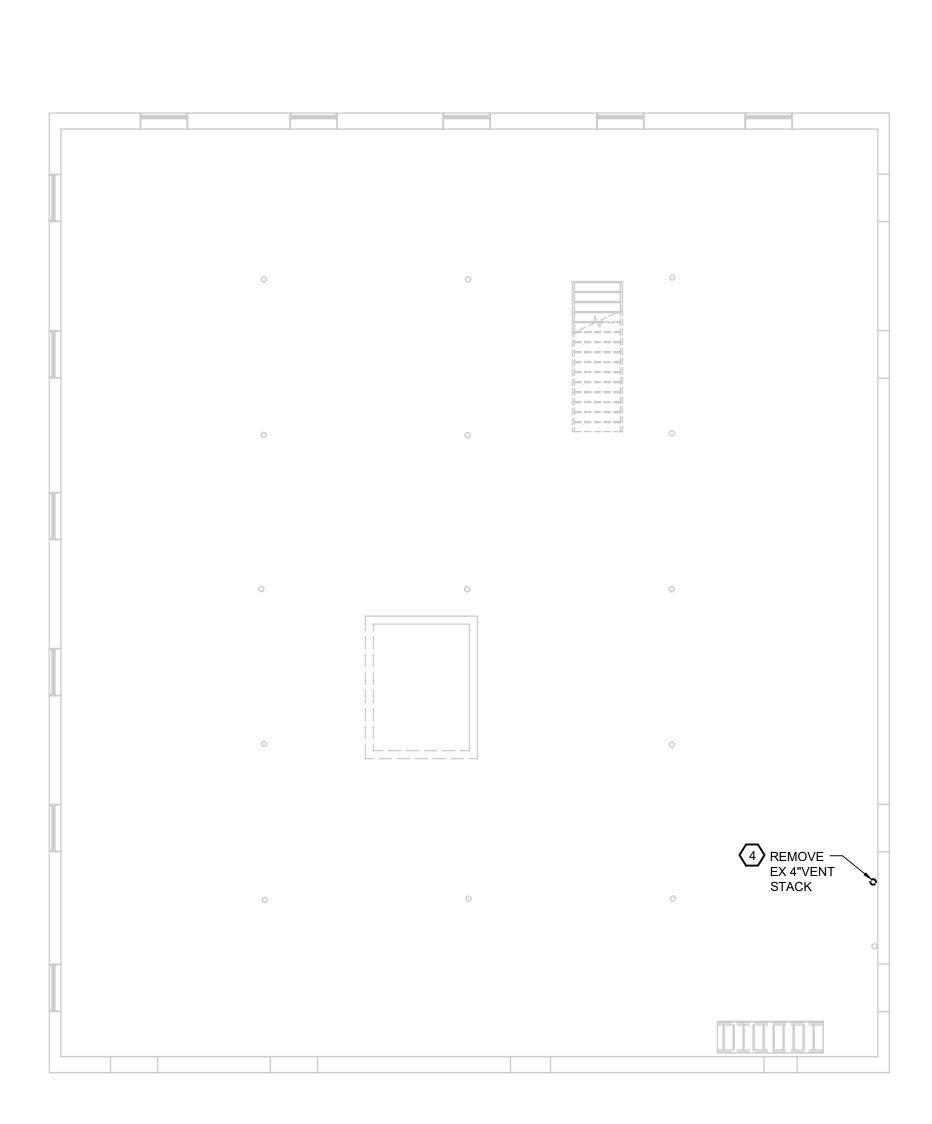
(269) 349-8714

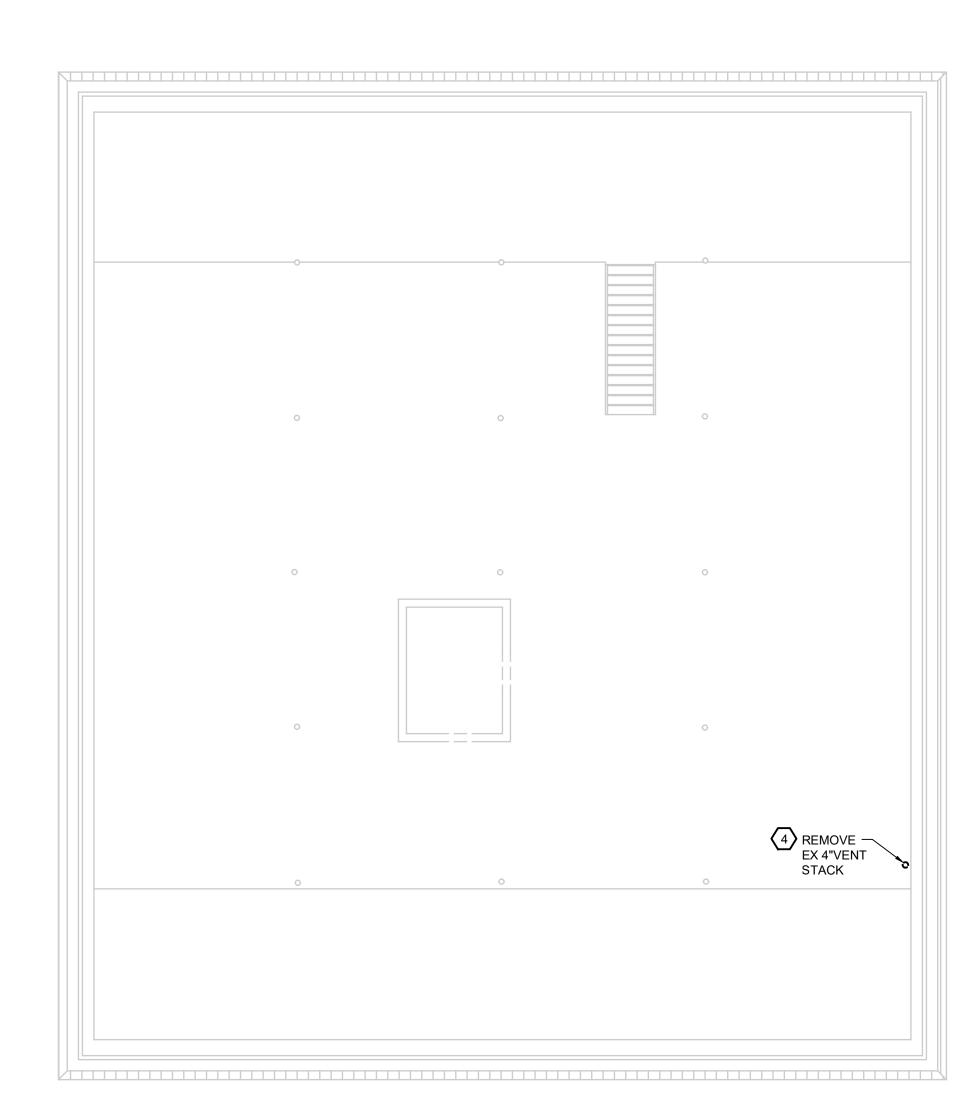
OWNER

<u>OWNER</u>









KEYED NOTES - M101

REMOVE EXISTING RESIDENTIAL FURNACE AND ALL ASSOCIATED DUCTWORK, COMBUSTION VENTING, NATURAL GAS PIPING THERMOSTAT,

REMOVE EXISTING 4" VENT STACK UP TO LEVEL 5 CEILING SPACE AND REUSE EX VENT THRU ROOF.

 $\overline{3}$ REMOVE EXISTING NATURAL GAS PIPING, VALVES, ETC.

2 REMOVE ALL EXISTING DUCTWORK, DIFFUSERS, DUCT HANGERS, ETC. (TYP)









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PROJECT NAME SOUTHWEST MICHIGAN ACCELERATI	C
KITCHEN	
PROJECT ADDRESS	

30 W VAN BUREN ST, BATTLE CREEK, MI
CLIENT
ALPHA CENTER

SSUE

rawn DM

DATE 02/01/2022

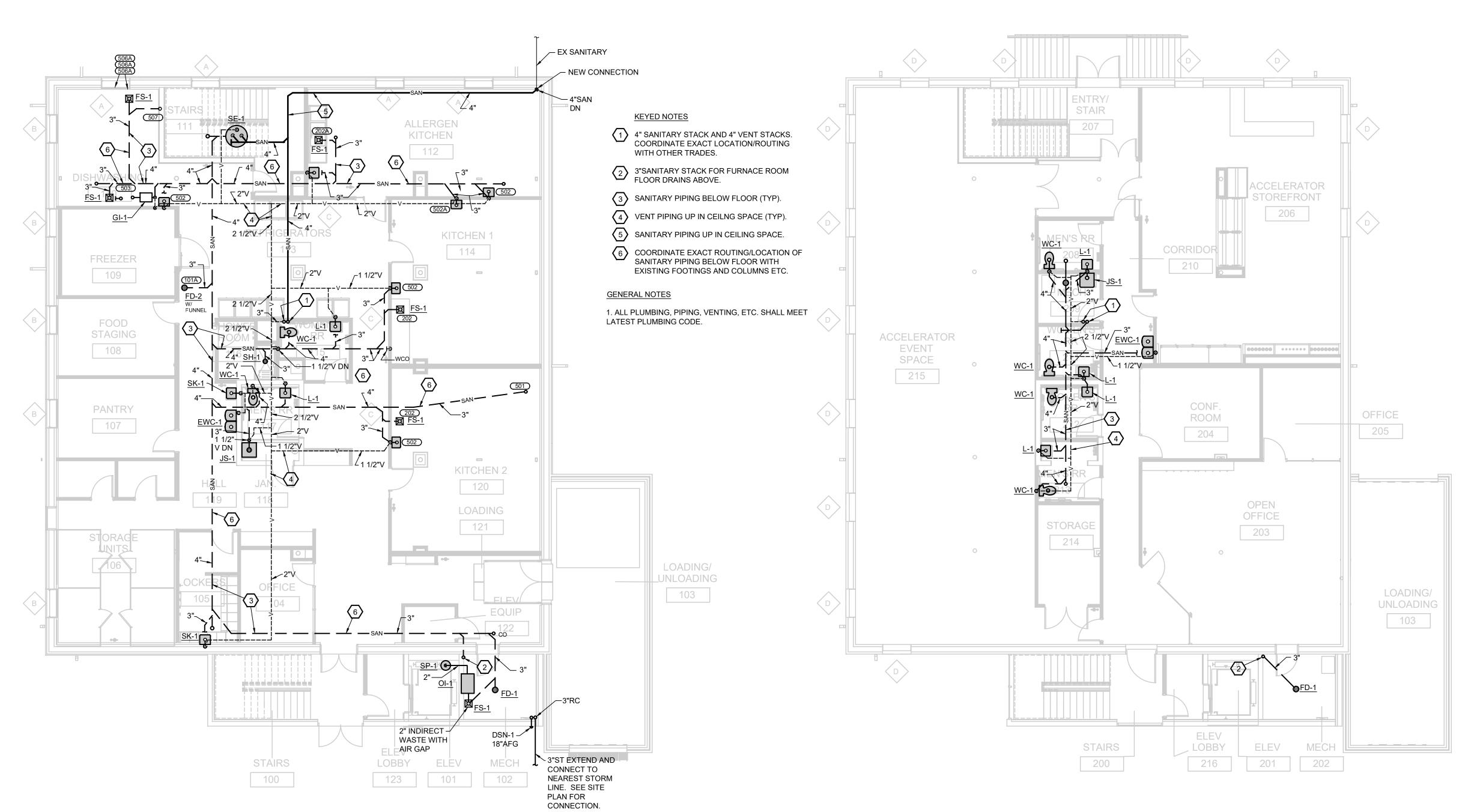
SCALE As indicated

PROJECT NUMBER 2020.45

MECHANICAL DEMOLITION

M101

					EQUI	PMENT SCHEDULE						
ITEM	EQUIPMENT DESCRIPTION	Compressed AIR (in)	CW (in)	HW (in)	ΛΕΕ (in)	DIRECT DRAIN (in)	AEE (in)	INDIRECT AIR GAP	CAS (in)	ΛΕΕ (in)	MOTIIU	REMARKS
101A	FREEZER COIL	AIT (III)	CVV (III)	HVV (III)	AFF (III)	DIRECT BRAIN (III)	AFF (III)	FFD	GAS (III)	AFF (III)	WIBTON	FSEC PIPE COIL TO FFD
202	PREP TABLE		0.5	0.5	16			FL SK				
202A	PREP TABLE		0.5	0.5	16			FL SK				
302	RANGE W/GRIDDLE								11	10	278	
401	FILLER MACHINE	0.5										AIR: 4 CFM @ 80 PSI
501	TEMPERED FLOOR TROUGH & GRATE		1		IN FLOOR	3						
502	HAND SINK W/SIDE SPLASHES		0.5	0.5	18	1.5	16					SOAP & TOWEL DISPENSER-BY OWNER
	HAND SINK - ADA		0.5	0.5	18	1.5	16			ļ		
	POTSINK	<u> </u>	0.5	0.5	16	2	12	FL SK				TRADES TO PIPE 2" DIRECT WASTE TO GREASE TRAP
	SOILED DISHTABLE DISHWASHER			0.5	60			FL SK				126 GPH 110° HW FROM BUILDING-BUILT IN BOOSTER HEATER
	DRAIN WATER TEMPERING KIT		0.5	0.5	18			FL SK FL SK				120 GPH 110" HW FROW BOILDING-BOILT IN BOOS IER HEATER
	DISPOSAL		0.75	0.5	18	2	12	I L OIX				





LEVEL 2 FLOOR PLAN - SANITARY & VENT REVISIONS

1. THE MECHANICAL TRADE SHALL BE RESPONSIBLE FOR COORDINATION OF ALL KITCHEN EQUIPMENT AND MANUFACTURER SUPPLIED PLUMBING FIXTURES AND THEIR ASSOCIATED ROUGH-IN LOCATIONS, SIZES, ETC. ALL PLUMBING FIXTURES SHALL BE VENTED AND INSTALLED TO MEET CODE.



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PROJECT NAME SOUTHWEST MICHIGAN ACCELERA
KITCHEN
PROJECT ADDRESS

30 W VAN BUREN ST, BATTLE CREEK, MI ALPHA CENTER

ISSUED FOR PERMIT

DATE 02/01/2022

SCALE As indicated

PROJECT 2020.45

SANITARY AND VENY PIPING

M200

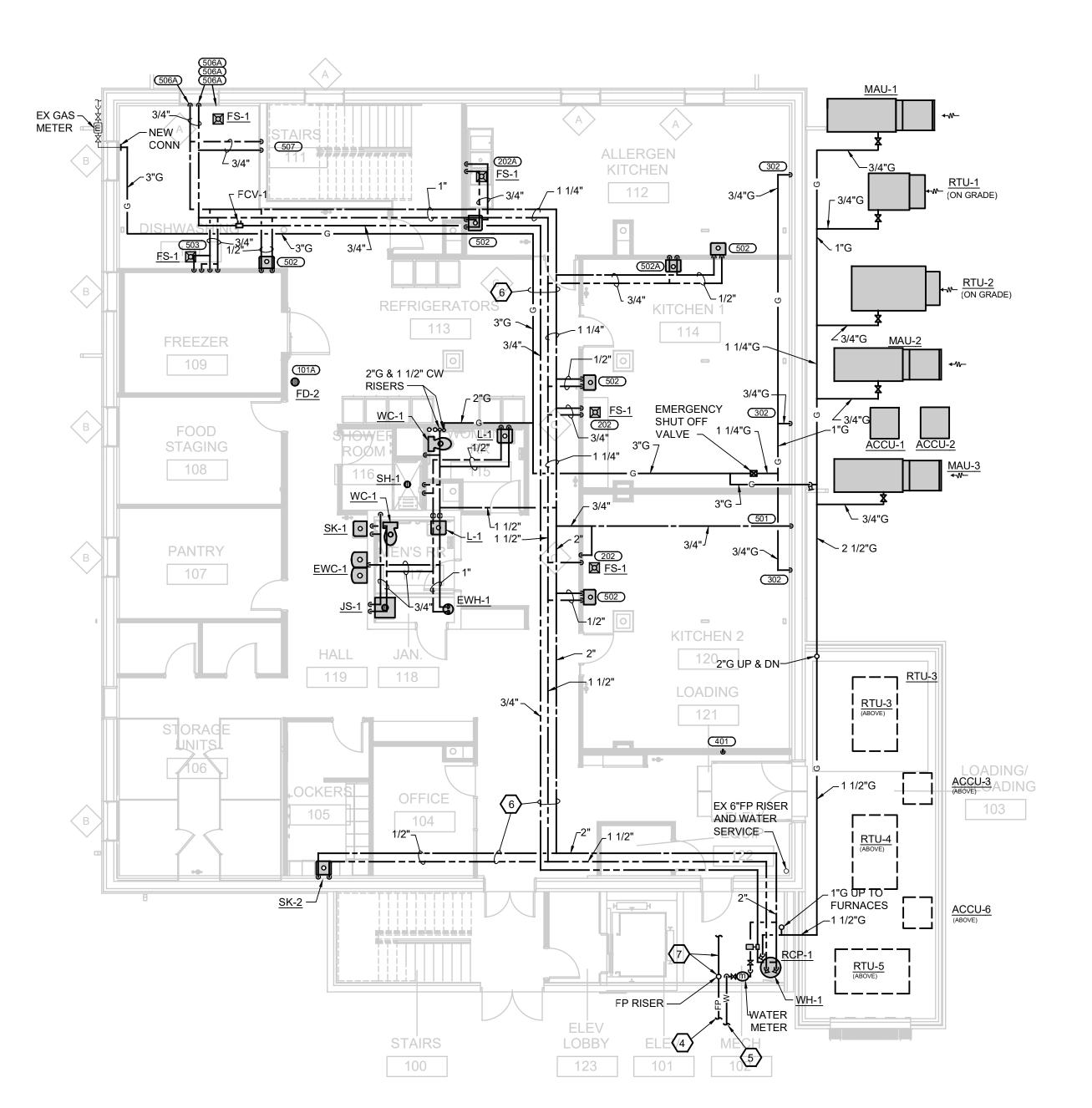
			T		EQUI	PMENT SCHEDULE						
ITEM EQUIPMENT DESCRIPTION		Compressed		1			I=					
		AIR (in)	CW (in)	HW (in)	AFF (in)	DIRECT DRAIN (in)	AFF (in)	INDIRECT AIR GAP	GAS (in)	AFF (in)	мвтин	· · · · · · · · · · · · · · · · · · ·
101A	FREEZER COIL							FFD				FSEC PIPE COIL TO FFD
202	PREP TABLE		0.5	0.5	16			FL SK				
	PREP TABLE		0.5	0.5	16			FL SK				
302	RANGE W/GRIDDLE								11	10	278	
401	FILLER MACHINE	0.5										AIR: 4 CFM @ 80 PSI
501	TEMPERED FLOOR TROUGH & GRATE		1 1		IN FLOOR	3						
502	HAND SINK W/SIDE SPLASHES		0.5	0.5	18	1.5	16					SOAP & TOWEL DISPENSER-BYOWNER
502A	HAND SINK - ADA		0.5	0.5	18	1.5	16					
503	POTSINK		0.5	0.5	16	2	12	FL SK				TRADES TO PIPE 2" DIRECT WASTE TO GREASE TRAF
504A	SOILED DISHTABLE							FL SK				
	DISHWASHER			0.5	60			FL SK				126 GPH 110° HW FROM BUILDING-BUILT IN BOOSTER HEATER
506A	DRAIN WATER TEMPERING KIT		0.5		18			FL SK				
507	DISPOSAL		0.75	0.5	18	2	12					
			ı	i	1		l .			i		

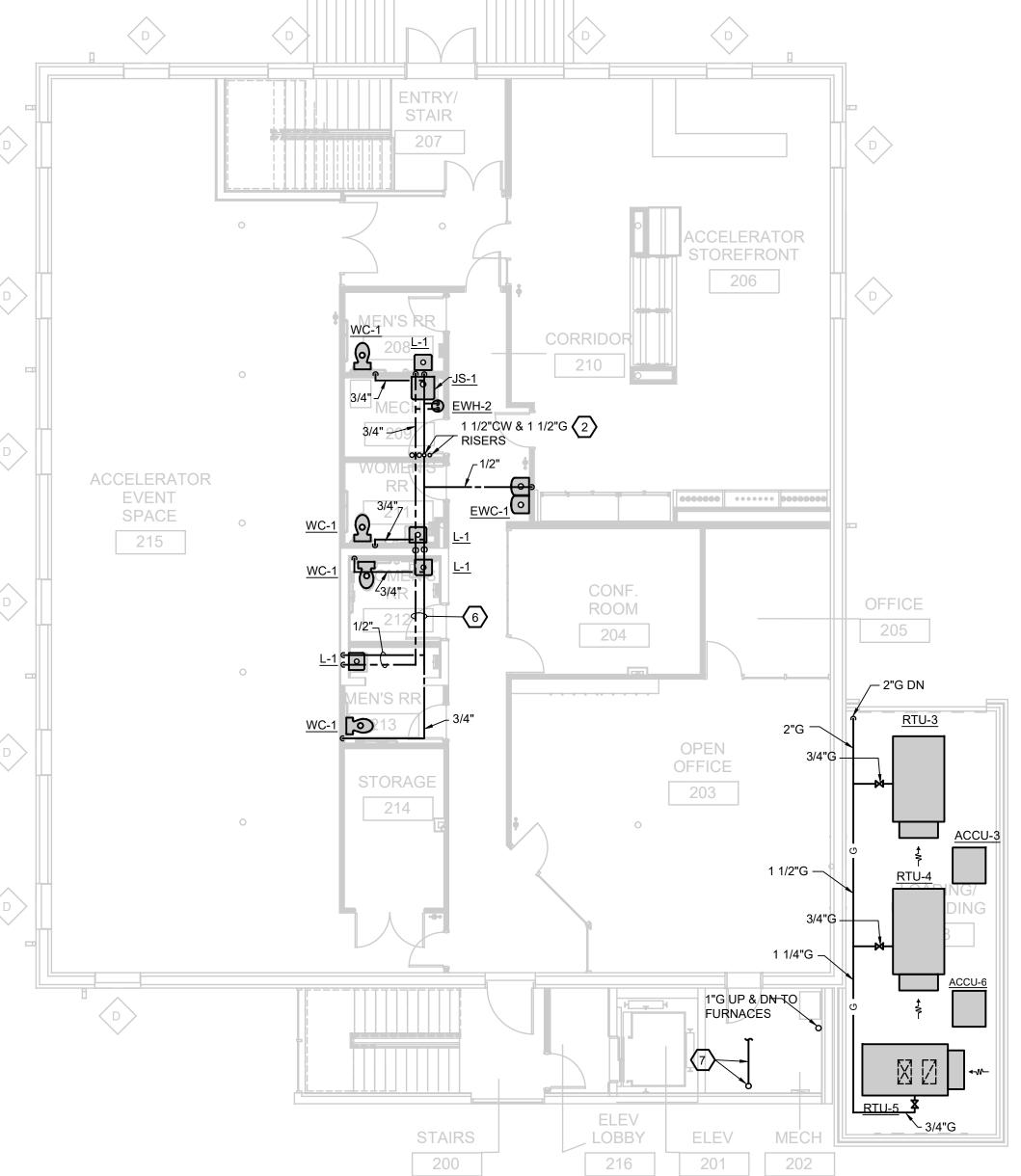
KEYED NOTES

- ROUTE NATURAL GAS PIPING TO FURNACES WITH SHUT-OFF VALVE . VERIFY LOCATION/ROUTING WITH OTHER TRADES.
- (2) COORDINATE EXACT LOCATION/ROUTING OF RISERS WITH OTHER TRADES.
- 4" SANITARY STACK AND 4" VENT STACKS. COORDINATE EXACT LOCATION/ROUTING
- EXISTING FIRE PROTECTION SERVICE TO REMAIN. THE FIRE PROTECTION SYSTEM CONTRACTOR SHALL DESIGN, LAYOUT, FURNISH AND INSTALL THE NEW FIRE PROTECTION SPRINKLER SYSTEM.
- 3" DOMESTIC WATER SERVICE TO 5'-0" BEYOND BUILDING WALL. SEE SITE PLAN FOR CONTINUATION
- 6 PIPING IN CEILING SPACE.
- 7 FIRE PROTECTION RISER A PIPING TYP., FIELD VERIFY EXACT LOCATION.

FIRE PROTECTION NOTES

- 1. THE ENTIRE BUILDING IS TO HAVE A NEW WET PIPE FIRE PROTECTION SYSTEM DESIGNED BY A LICENSED FIRE PROTECTION CONTRACTOR PER NFPA 13 REQUIREMENTS.
- 2. PROVIDE UPRIGHT SPRINKLER HEADS FOR ALL EXPOSED CONSTRUCTION AREAS AND CENTER OF TILE RECESSED SPRINKLER HEADS FOR ALL LAY-IN CEILING AREAS. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS.





LEVEL 1 FLOOR PLAN - DOMESTIC, N.GAS & FIRE PROTECTION REVISIONS

THE MECHANICAL TRADE SHALL BE RESPONSIBLE FOR COORDINATION OF ALL KITCHEN EQUIPMENT AND MANUFACTURER SUPPLIED PLUMBING FIXTURES AND THEIR ASSOCIATED ROUGH-IN LOCATIONS, SIZES, ETC. ALL PLUMBING FIXTURES SHALL BE VENTED AND INSTALLED TO MEET CODE.

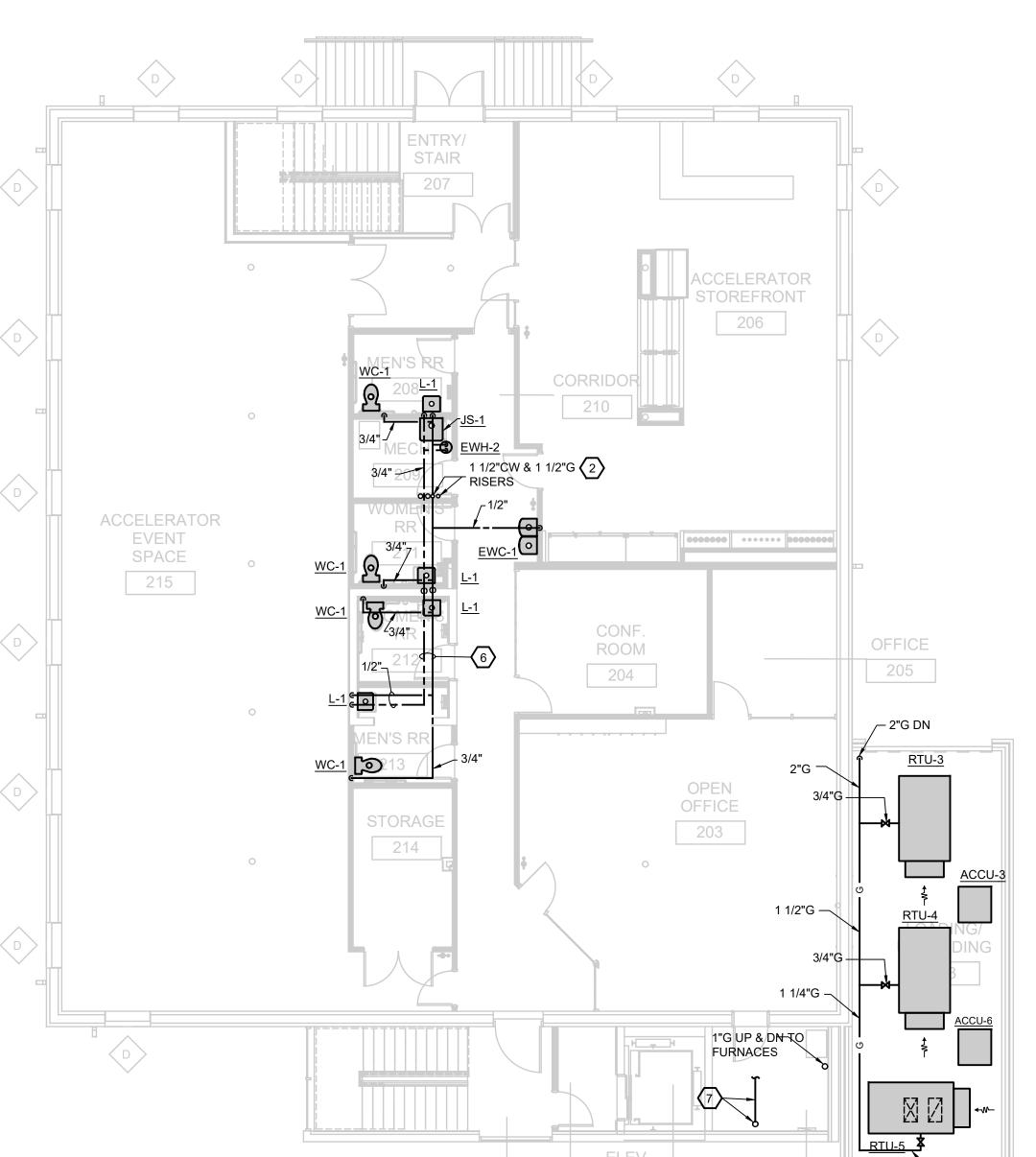


LEVEL 2 FLOOR PLAN - DOMESTIC, N.GAS & FIRE PROTECTION REVISIONS

PROJECT 2020.45

DOMESTIC WATER & N. GAS PIPING

M201



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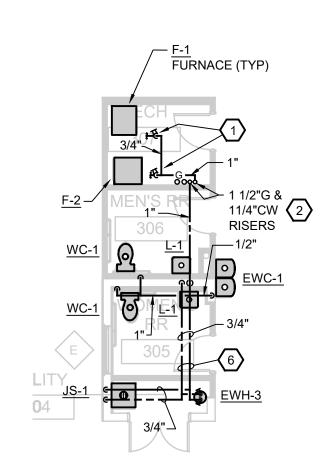
PROJECT NAME
SOUTHWEST MICHIGAN ACCELERATOR PROJECT ADDRESS 30 W VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER

ISSUED FOR PERMIT

DATE 02/01/2022

SCALE As indicated



LEVEL 3 FLOOR PLAN - DOMESTIC

& N.GAS REVISIONS

KEYED NOTES

- ROUTE NATURAL GAS PIPING TO FURNACES WITH SHUT-OFF VALVE & DIRT LEG. VERIFY LOCATION/ROUTING WITH OTHER TRADES.
- COORDINATE EXACT LOCATION/ROUTING OF RISERS WITH OTHER TRADES.
- 4" SANITARY STACK AND 4" VENT STACKS. COORDINATE EXACT LOCATION/ROUTING WITH OTHER TRADES.
- 4 SANITARY PIPING BELOW FLOOR (TYP).
- (5) VENT PIPING UP IN CEILNG SPACE (TYP).
- 6 DOMESTIC PIPING UP IN CEILING SPACE (TYP)
- 7 FIRE PROTECTION RISER A PIPING TYP., FIELD VERIFY EXACT LOCATION.

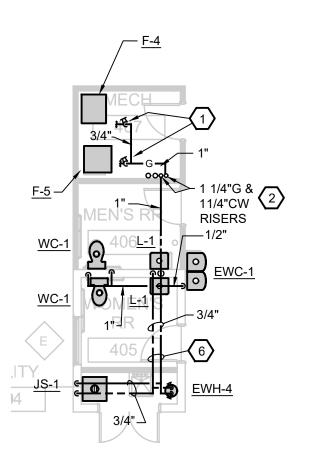
GENERAL NOTES

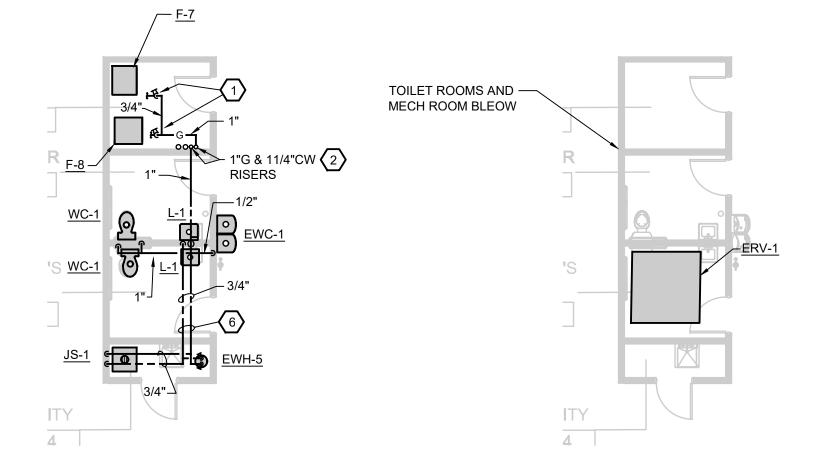
1. ALL PLUMBING, PIPING, VENTING, ETC. SHALL

MEET CODE.

LEVEL 4 FLOOR PLAN - DOMESTIC & N.GAS REVISIONS

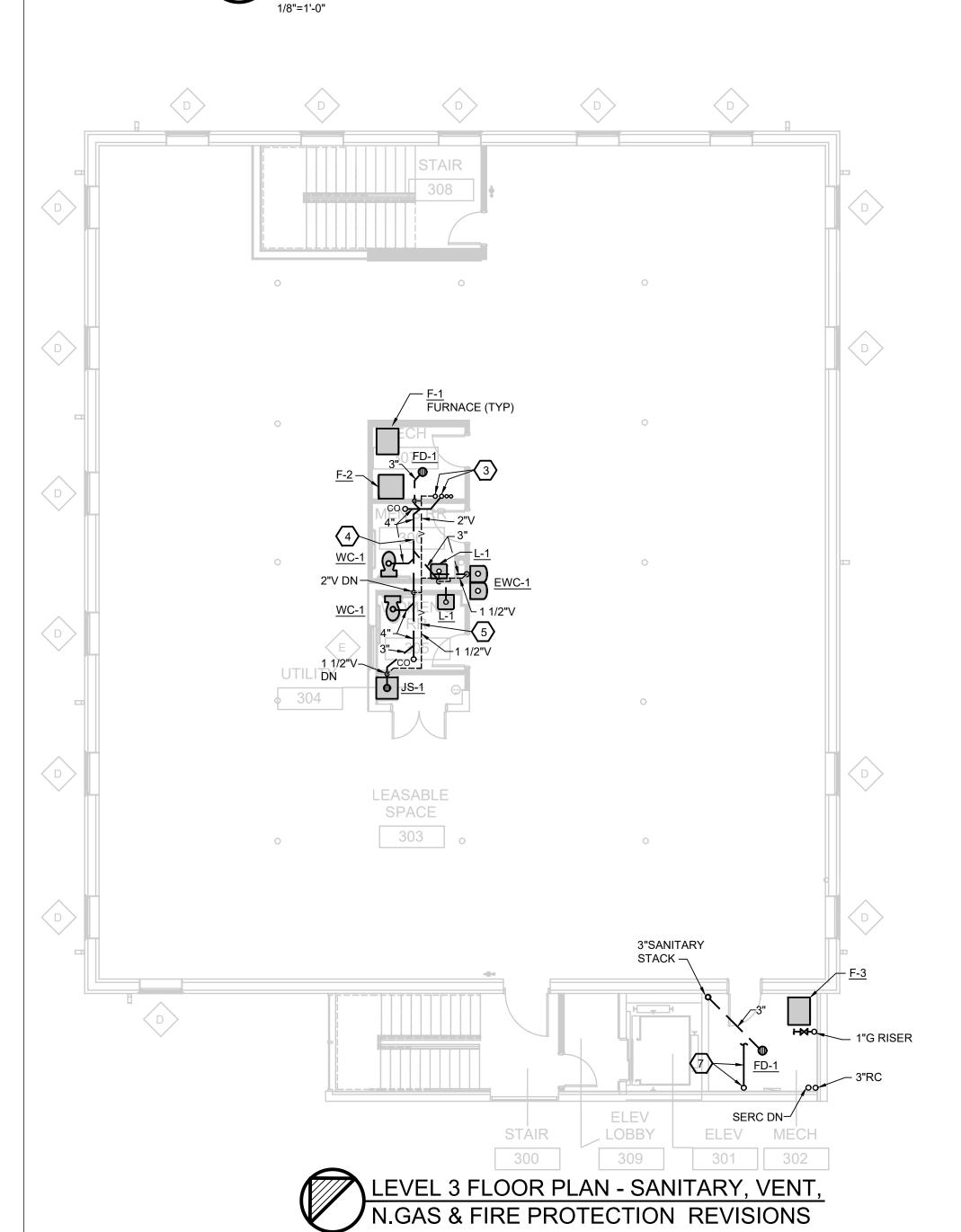
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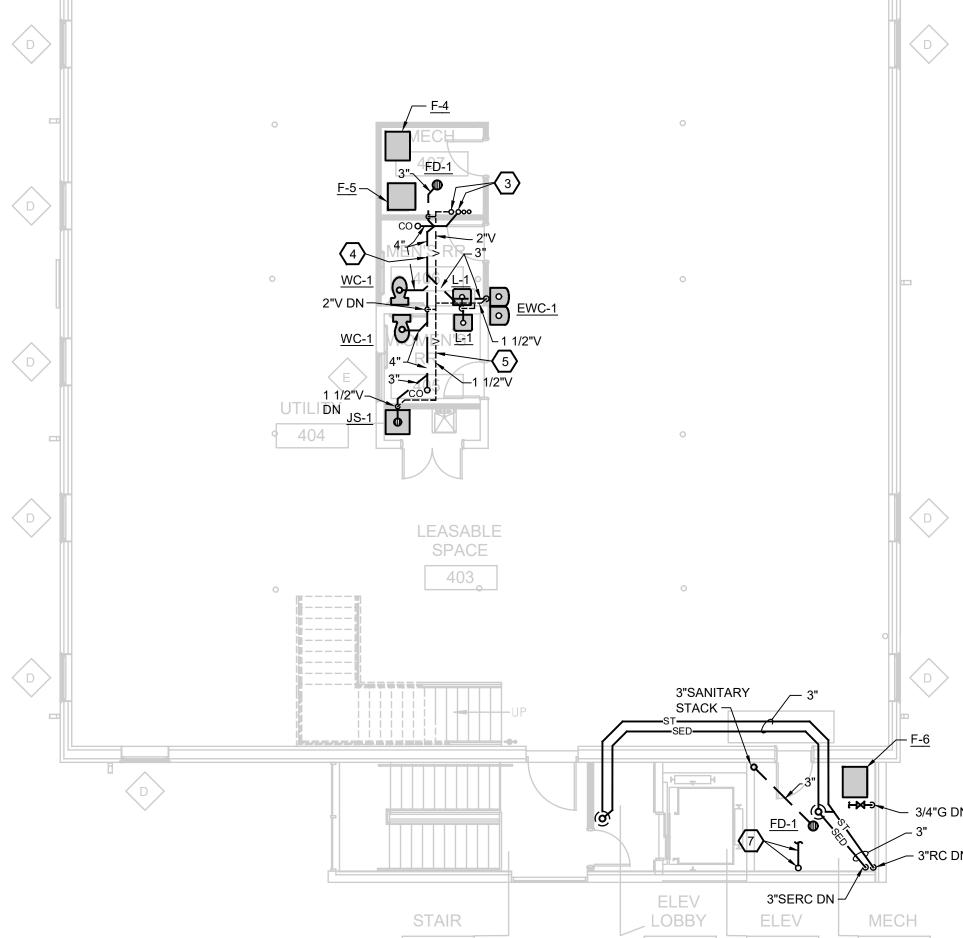




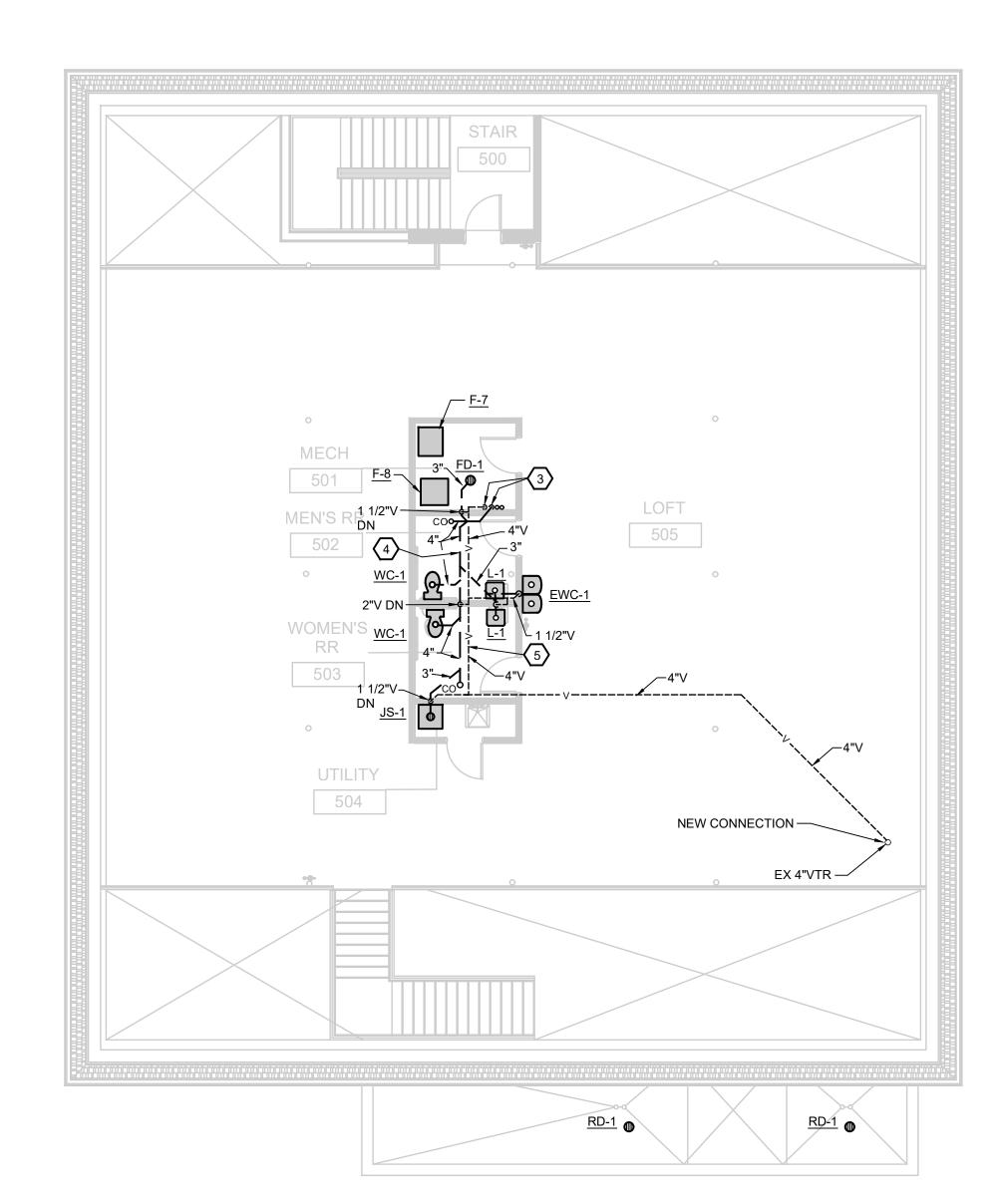








LEVEL 4 FLOOR PLAN - SANITARY, VENT, N.GAS & FIRE PROTECTION REVISIONS







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ROJECT NAME SOUTHWEST MICHIGAN ACCELERATO
(ITCHEN

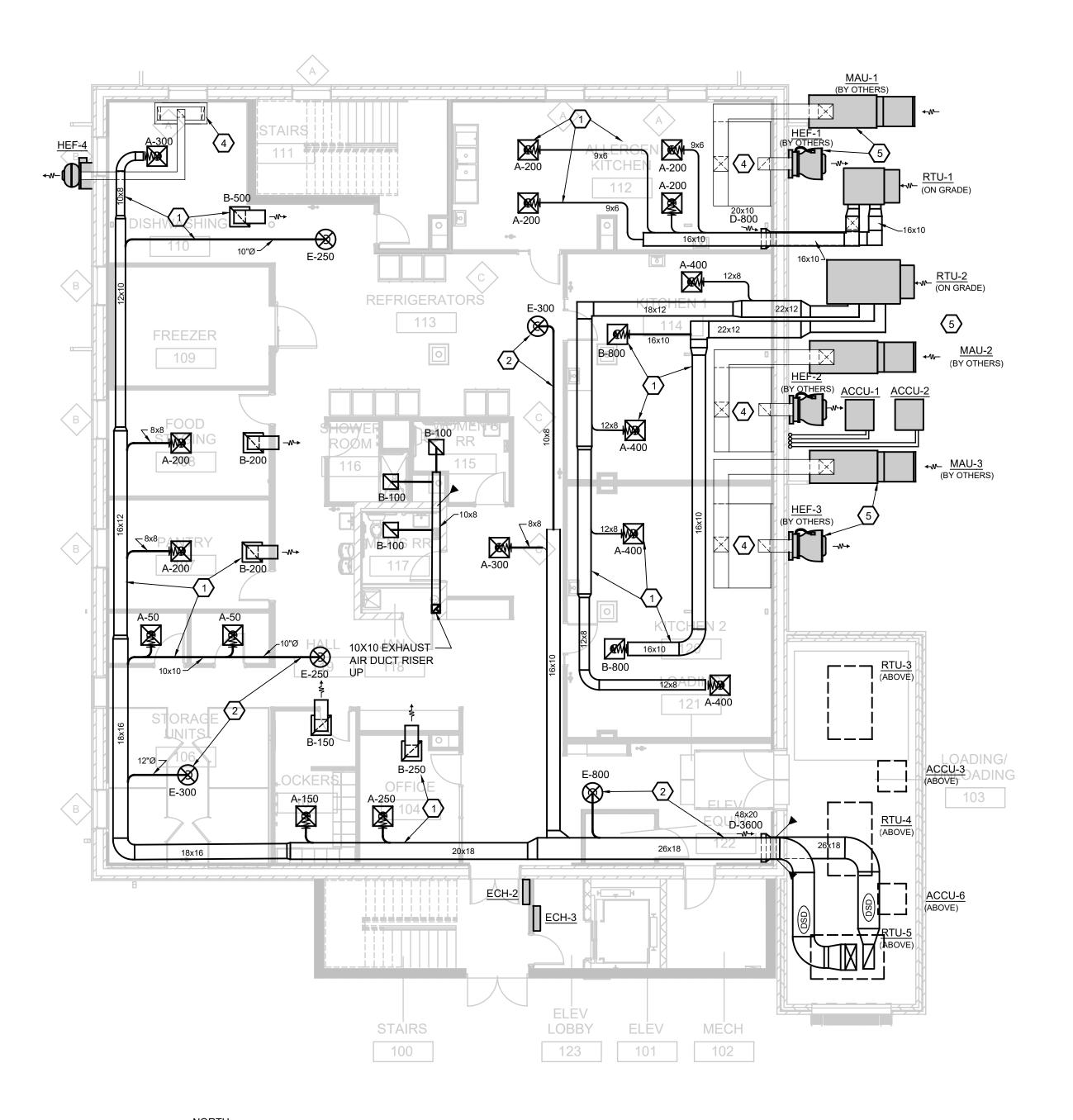
30 W VAN BUREN ST, BATTLE CREEK, MI ALPHA CENTER

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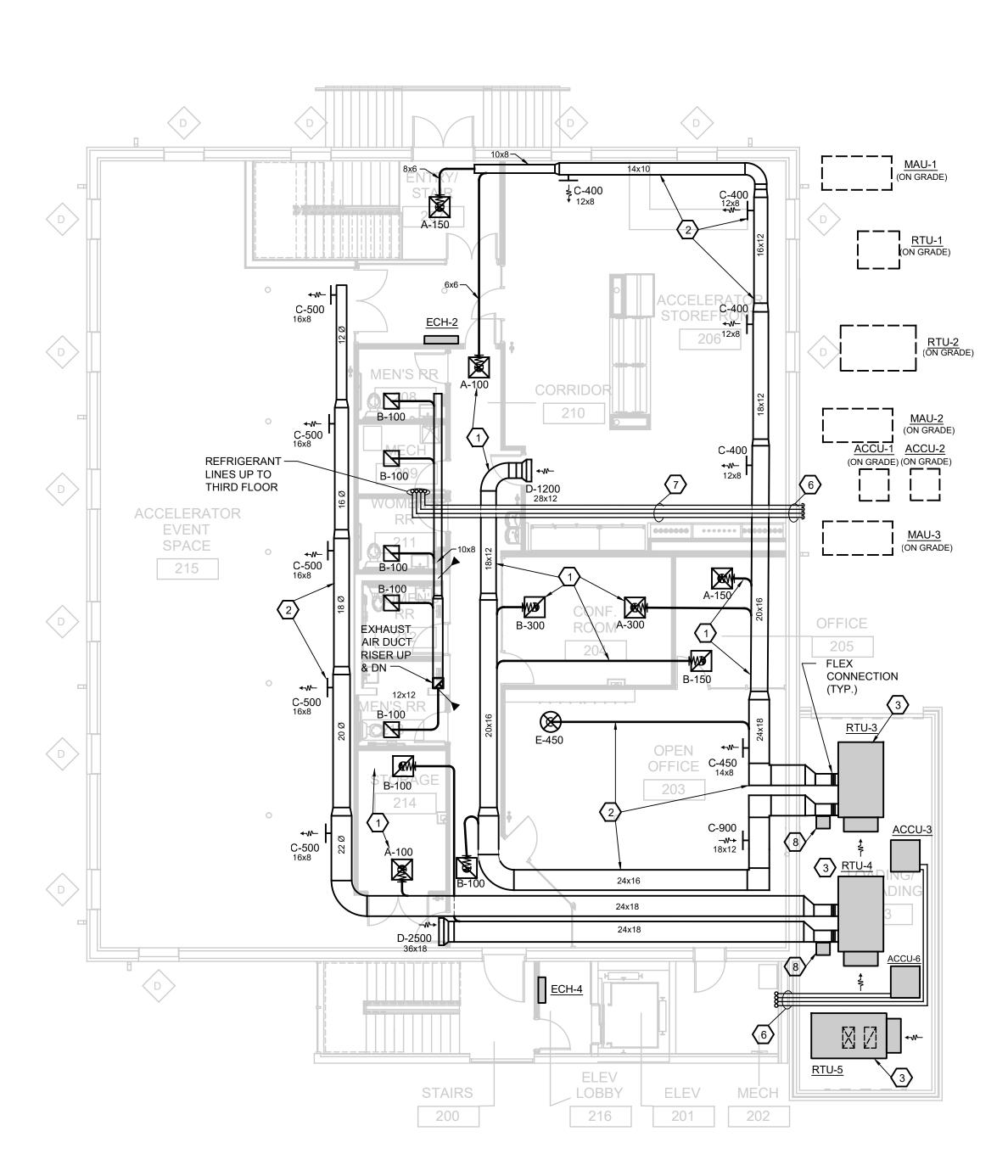
DATE 02/01/2022 SCALE As indicated

PROJECT NUMBER 2020.45

PLUMBING PIPING & N. GAS M202



LEVEL 1 FLOOR PLAN - HVAC REVISIONS



KEYED NOTES

- NEW SUPPLY OR RETURN DUCT WORK ABOVE CEILING.
- NEW EXPOSED SUPPLY OR RETURN DUCT WORK OVERHEAD. (TYP).
- NEW GAS FIRED ROOFTOP UNIT WITH NATURAL GAS HEAT AND ELECTRIC COOLONG. INSTALL ON A MINIMUM 12' HIGH PREFABRICATED ROOF CURB.
- KITCHEN HOOD AND ASSOCIATED EQUIPMENT FURNISHED AND INSTALLED BY THE KITCHEN EQUIPMENT SUPPLIER.
- MAKE-UP AIR UNIT AND HOOD EXHAUST FAN BY THE KITCHEN EQUIPMENT SUPPLIER. SEE THE KITCHEN EQUIPMENT DRAWINGS FOR FURTHER DETAIL.
- 6 REFRIGERANT LINES (RF) THROUGH WALL INSULATED WITH ARMAFLEX AND EXTERIOR INSULATION SHALL HAVE INSULATION COVERED WITH VENTURE CLAD.
- REFRIGERANT SUPPLY, RETURN AND CONDENSATE LINES ROUTED HIGH AS POSSIBLE THROUGH CEILING SPACE.
- 8 ECONOMIZER / EXHAUST FANS.

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PROJECT NAME SOUTHWEST MICHIGAN ACCELERATO
KITCHEN
PROJECT ADDRESS

30 W VAN BUREN ST, BATTLE CREEK, MI

CLIENT ALPHA CENTER

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DATE 02/01/2022

SCALE As indicated

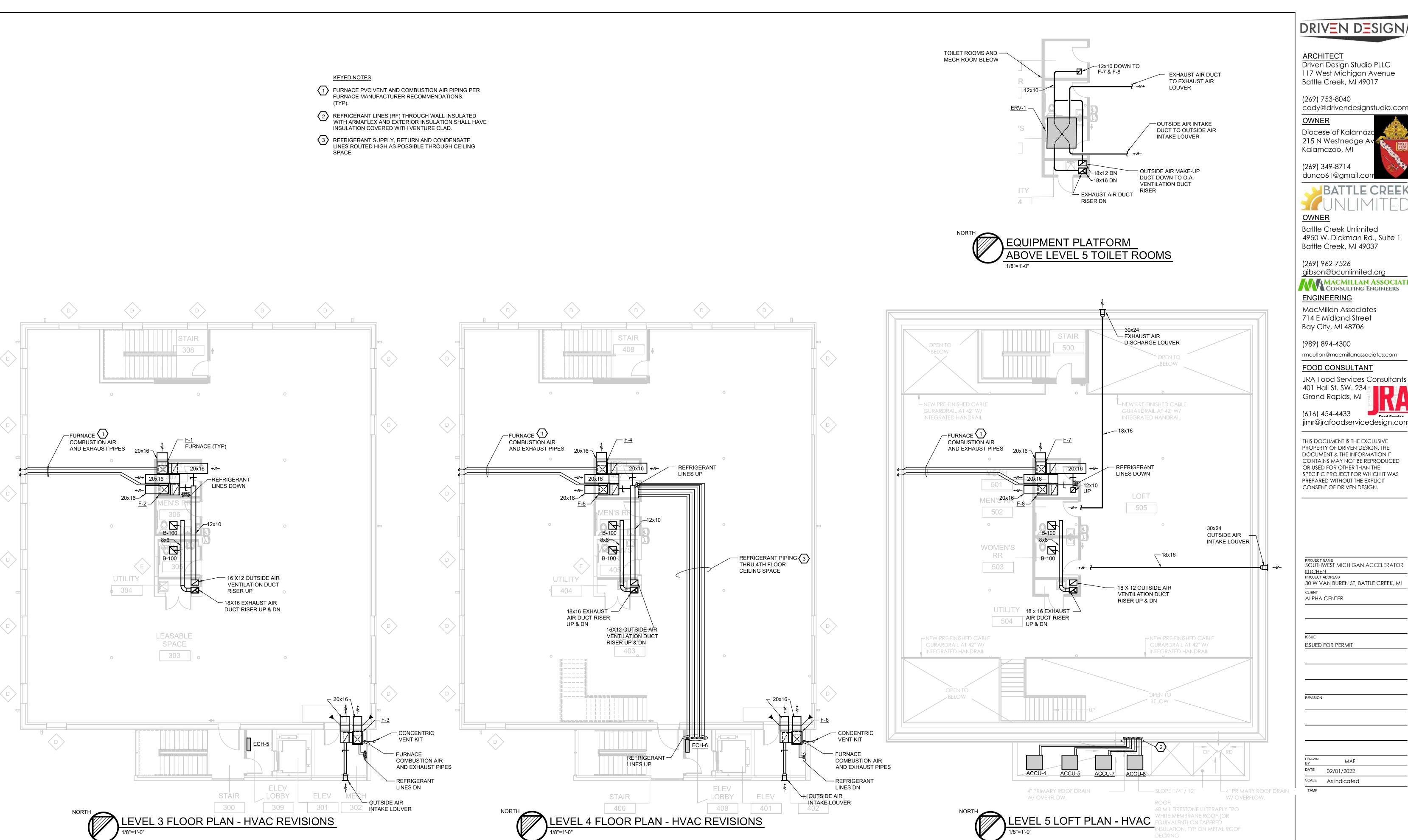
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HVAC REVISIONS

M300





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PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR

30 W VAN BUREN ST, BATTLE CREEK, MI

DATE 02/01/2022 SCALE As indicated

PROJECT 2020.45 HVAC REVISIONS

M301

						SINGLE P	ACKAGE F	ROOFT	OP - GA	AS HEA	T/ELECTR	RIC COOLI	NG UNIT								
				MIN.			CC	OOLING CAF	PACITY				HEATI	NG CAPACI	TY		ELECTI	RICAL DATA	A		
MARK	MANUFACTURER	MODEL NO	TOTAL AIRF LOW	OUTSIDE AIR FLOW	EXT STATIC PRESSURE	NET COOLING	MIN SENS			AT	OSA DESIGN	GAS INPUT	GAS NET	GAS NET EAT OUTPUT Db			LAT	INDOOR FAN	UN	REMARKS	
				AIR FLOW		CAPACITY	CAPACITY	EER	Db	Wb	TEMP	<i>Gr.</i> 10 0 .	OUTPUT								
			CFM	CFM	IN	MBH	MBH		°F	°F	°F	MBH	MBH	°F	°F	MAX BHP	MCA	MOP	PHASE	VOLT	
RTU-1	TRANE	4YCC4024A0160	800	120				11.5	80	67	95	60				0.33	19.1	30	1	208	
RTU-2	TRANE	YHCO48F3RHA	1600	240	0.6	48.23	33.37	13.5	80	67	95	120	96	70	125.7		28	40	3	208	
RTU-3	TRANE	YHC074F3RHA	2400	360	0.7	71.09	56.19	13.1	80	67	95	150	121.5	70	117	0.85	37	42	3	208	
RTU-4	TRANE	YHC092F3RHA	2800	420	0.7	87.18	63.58	12.6	80	67	95	200	160	70	123	1.17	50	50	3	208	
RTU-5	TRANE	YHC102F3RHA	3600	540	0.7	92.29	73.01	12.5	80	67	95	200	160	70	111.4	2.26	42	50	3	208	

RTU NOTES:

- THE MECHANICAL TRADE SHALL VERIFY UNIT CONFIGURATION (HORIZONTAL OR DOWNFLOW) WITH SCHEDULE LISTED ABOVE AND PROJECT DESIGN DRAWINGS.
- UNITS SHALL HAVE REFERENCE ENTHALPY BASED ECONOMIZERS WITH POWER RELIEF EXHAUST FAN AND LOW AMBIENT CONTROL FOR OPERATION IN 0 DEGREES F AMBIENT CONDITION.
- FURNISH PREFABRICATED ROOF CURB FOR EACH UNIT, WITH HEIGHT OF CURB TO GIVE MINIMUM 12" CLEAR FROM FINISHED ROOF TO CURB CAP. THE MECHANICAL TRADE SHALL FURNISH AND SET IN PLACE/LEVEL THE ROOF CURB. THE GENERAL TRADE SHALL PERFORM ALL ROOFING, FLASHING ETC.
- MECHANICAL TRADES SHALL FILL ALL OPEN VOIDS IN CURB (BETWEEN DECK AND BOTTOM OF RTU) WITH SPRAY FOAM INSULATION FOR ACOUSTICAL PURPOSES. ALL UNITS SHALL HAVE 4" THICK HIGH EFFICIENCY THROW AWAY FILTERS.

MOTORS SHALL BE PREMIUM EFFICIENCY TYPE.

- OUTSIDE AIR INTAKE DAMPERS SHALL BE ULTRA LOW-LEAK TYPE WITH BLADE AND JAMB SEALS.
- EACH RTU TO HAVE:
 - SERVICE VALVES ON LIQUID, SUCTION AND DISCHARGE LINES.
 - THRU-THE-BASE ELECTRICAL PROVISION.
 - NON-FUSED DISCONNECT SWITCH WITH EXTERNAL HANDLE.
 - TRANE COMMUNICATION INTERFACE WITH SUPPLY AIR SENSING AND CLOGGED FILTER SWITCH.
 - VENTILATION OVERRIDE.
 - HINGED SERVICE ACCESS.
 - CONDENSER COIL GUARDS.
 - LONTALK COMMUNICATION INTERFACE.
- SLOPED STAINLESS STEEL DRAIN PANS.
- UNITS 2000 CFM OR GREATER SHALL HAVE DRY CONTACTS FOR DUCT SMOKE DETECTOR CIRCUIT FACTORY WIRED TO STOP UNIT UPON DETECTION OF SMOKE. TWO DUCT SMOKE DETECTORS SHALL BE INSTALLED BY MECHANICAL TRADES. THE DUCT SMOKE DETECTORS SHALL BE POWERED FROM AN INDEPENDENT CIRCUIT AND NOT THROUGH THE RTU POWER CIRCUIT.
- THE MECHANICAL TRADES SHALL BE RESPONSIBLE FOR COMPLETING ALL LOW-VOLTAGE WIRING, CONDUIT, AND ASSOCIATED POWER SUPPLY NECESSARY FOR A COMPLETE AND OPERATIONAL TEMPERATURE CONTROL SYSTEM. REFER TO THE ELECTRICAL DRAWINGS FOR AVAILABLE 120 VOLT POWER LOCATIONS. THE ELECTRICAL TRADE SHALL BE RESPONSIBLE FOR PROVIDING THE MAIN POWER FEED FOR ALL MECHANICAL EQUIPMENT. REFER TO THE ELECTRICAL DRAWINGS FOR CLARIFICATION OF ELECTRICAL TRADES FURNISHED POWER.
- FURNISH 5 YEAR COMPRESSOR WARRANTY FOR ROOFTOP UNITS.
- FURNISH ONE YEAR OF COMPLETE SERVICE AND MAINTENANCE OF ROOFTOP UNITS. INCLUDE CHECK TEST AND START-UP OF ROOFTOP UNITS AND CONTROL SYSTEM. PROVIDE FACTORY AND FIELD WIRING DIAGRAMS, AND PROVIDE TECHNICAL ASSISTANCE AS REQUIRED TO ASSURE FIRST CLASS OPERATING SYSTEMS.
- FURNISH TRANE COMMUNICATION INTERFACE SYSTEM (FOR EACH UNIT).

									FURNACE SC	HEDULE							
	GENERAL ELECTRICAL									HEATING CAPACITY				UNIT	MANUFACTURER		
Mark	CFM	TONS	ORIENTATION	VOLTS	PHASE	AMPS	МОР	BLOWER HP	BLOWER RPM	BLOWER DRIVE	TYPE	BTUH INPUT	BTUH OUTPUT	NO. BURNERS	WEIGHT (LBS)	MODEL NUMBER	NOTES
F-1 THRU F-8	1950	5	UP-FLOW	120	1	14.1	15.0	1.00	1075	DIRECT	NATURAL GAS	120000	116400	6	167	TRANE S9X1D120U5PSBA	1,2,3,4,5,6,7

NOTES: FURNISH AND INSTALL THE FOLLOWING WITH EACH FURNACE:

1. FILTER RACK WITH 2 SETS 1" DISPOSABLE FILTERS.

2. ELECTRONIC PROGRAMMABLE THERMOSTAT WITH PROGRAMMABLE FAN. MECHANICAL TRADES SHALL PROGRAM THERMOSTAT FOR "OCCUPIED" AND "UNOCCUPIED" MODES WITH CONSTANT FAN OPERATION WITH OUTSIDE AIR VENTILATION

DURING "OCCUPIED" CYCLE AND CLOSED OA DAMPER AND REDUCED ROOM TEMPERATURE DURING "UNOCCUPIED" CYCLE.

3. LOW AMBIENT CONTROL TO ALLOW NORMAL CONDENSING UNIT OPERATION DOWN TO 40 DEGREES F

4. LOW TEMPERATURE CONTROL SENSOR TO LOCK OUT COMPRESSOR BELOW 40 DEGREES F.

5. THE MECHANICAL TRADES SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLATION AT EACH FURNACE AN APRILAIRE #550 OR EQUAL HUMIDIFIER SYSTEM WITH DUCT HUMIDISTAT, 0.50 GPH CAPACITY AT 120 DEGREES F. PLENUM TEMPERATURE, 0.20" STATIC AIR PRESSURE DROP WITH 115 VOLT MOTOR, SOLENOID WATER VALVE, ETC.

6. THE MECHANICAL TRADES SHALL BE RESPONSIBLE FOR PROVIDING A WIRING DIAGRAM AND FURNISHING AND INSTALLATION OF ALL THERMOSTATS AND HUMIDISTATS. HUMIDIFIER SHALL BE OPERABLE ONLY WHEN FURNACE FAN IS OPERATING

DURING "OCCUPIED" CYCLE AND DURING THE HEATING CYCLE.

7. THE MECHANICAL TRADES SHALL BE RESPONSIBLE FOR PROVIDING ALL WIRING OF LESS THAN 100 VOLTS. ALL WIRING SHALL BE IN METALLIC CONDUIT. WIRING OF MORE THAN 100 VOLTS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL

	AIR COOLED CONDENSING UNIT SCHEDULE														
Moule	Serving	REFRIGERANT	NOMINAL	COMPRESSOR		E	LECTRICA	\L	MANUFACTURER	MODEL NUMBER	REMARKS				
Mark		REFRIGERANI	TONNAGE	TYPE	MCA	MOP	FLA	VOLTS/Hz/PH	WANUFACTURER	WODEL NUMBER	REMARKS				
ACCU-1 THRU ACCU-8	F-1 THRU F-8	R-410A	5 TON	SCROLL	31.0	50.0	0.95	208/60/1	TRANE	4TTR4060L1	1,2,3,4,5,6,7				

- 1. UNIT CASING IS CONSTRUCTED OF HEAVY GAUGE GALVANIZED STEEL AND PAINTED WITH WEATHER RESISTANT POWDER PAINT.
- 2. ALUMINUM COIL WITH INTEGRATED SLIDE DECK FOR EASY REMOVAL, ENHANCED COIL FIN WITH BLOW THROUGH DESIGN.
- 3. INTEGRATED HORIZONTAL DRAIN PAN.
- 4. BRAZE IN REFERIGERANT CONNECTION.
- 5. TOP DISCHARGE AREA SHOULD BE UNRESTRICTED FOR AT LEAST 60" ABOVE UNIT.
- 6. UNIT SHOULD BE PLACED SO ROOF RUN-OFF WATER DOES NOT POUR DIRECTLY ON UNIT.
- 7. UNIT SHOULD BE AT LEAST 12" FROM WALL AND ALL SURROUNDING SHRUBBERY ON TWO SIDES. OTHER TWO SIDES UNRESTRICTED.

								ENER	RGY RECOV	ERY VENTIL	ATION UNIT S	SCHEDULE					
		REC	OVERY		OUTD	OOR AIR			EXHAL	JST AIR			ELECTRICAL				
Mark	Serving	TYPE	CORE TYPE	CFM	ESP "WC	MOTOR	MOTOR HP	CFM	ESP "WC	MOTOR	MOTOR HP	V/PH/Hz	MCA	МОР	MANUFACTURER	MODEL NUMBER	NOTES
ERV-1	F-1 THRU F-8	STATIC PLATE	G5	1800	0.5	TEFC BELT DRIVE	2.0	1800	0.5	TEFC BELT DRIVE	2	208/3/60	14.8	20.0	RENEWAIRE	HE-3X	1,2,3,4

NOTES:

- 1. UNIT MAY BE INSTALLED IN ANY ORIENTATION.
- 2. VARIABLE SPEED, BELT DRIVE TEFC MOTORS. 4. FUSED DISCONNECT (STANDARD).
- 5. FILTER MONITORS ARFE INCLUDED WITH CONTROLS.

ELECTRIC CABINET HEATER SCHEDULE

ECH-1 &2 : BERKO #CUH-935-06 ELECTRIC CABINET HEATER, WALL RECESSED/SURFACE MOUNTED. 200 CFM LOW SPEED, 250 CFM HIGH SPEED. 6KW ELECTRIC HEAT CAPACITY, 1/8 HP MOTOR, 208V-1-60 HZ. CABINET 35"L X 26 3/8"H X 9 3/4" D.

ECH-3 THRU 6: BERKO #CUH-935-02 ELECTRIC CABINET HEATER, WALL RECESSED/SURFACE MOUNTED, 200 CFM LOW SPEED, 250 CFM HIGH SPEED. 2 KW ELECTRIC HEAT CAPACITY, 1/8 HP MOTOR, 208V-1-60 HZ. CABINET 35"L X 26 3/8"H X 9 3/4" D

- 1. FURNISH RECESS TRIM FRAMES AND/OR BASE MOUNTING KITS AS REQUIRED FOR WALL OR CEILING MOUNTED CABINET HEATERS.
- 2. COLOR OF CABINET HEATERS SHALL BE SELECTED BY THE ARCHITECT/ENGINEER DURING SHOP DRAWING SUBMITTALS.
- 3. UNITS SHALL HAVE THROW AWAY FILTERS. 4. EACH UNIT SHALL HAVE A BUILT-IN SINGLE STAGE THERMOSTAT WITH REMOTE BULB SENSOR LOCATED
- DIRECTLY IN RETURN AIR INTAKE FOR WALL MOUNTED UNITS, REMOTE MOUNTED THERMOSTAT FOR CEILING MOUNTED UNITS.
- 5. MOTORS SHALL BE TWO-SPEED, RESILIENT MOUNTED WITH AUTOMATIC OVERLOAD PROTECTION. 6. ALL INTERIOR CONTROLS AND THERMOSTAT SHALL BE 24 VOLT OPERATION FROM UNIT FACTORY MOUNTED 24 VOLT TRANSFORMER.
- 7. UNITS SHALL ALSO INCLUDE AUTOMATIC FAN DELAY, SILENT RELAYS, FRONT COVER INTERLOCK, INTERLOCK FOR REMOTE FAN ONLY SWITCH, THERMAL SAFETY CUTOUT, CIRCUIT BREAKERS AND AUTO-ON (SUMMER FAN) SWITCH.

DYNAMIC FILTER SCHEDULE

FURNISH DYNAMIC FILTERS, P 1000, FOR EACH FURNACE. DYNAMIC FILTER FITS INTO THE 1" TRANE FILTER RACK. 24 VAC, 1.4 WATTS.

FURNISH DYNAMIC FILTERS, P 2000, FOR EACH RTU. DYNAMIC FILTER FITS INTO THE 2" TRANE FILTER RACK. 24 VAC, 1.4 WATTS PER POWER HEAD.

DYNAMIC FILTER NOTES:

THE DYNAMIC ELECTRONIC FILTER SHALL BE FURNISHED BY THE MECHANICAL TRADES, WIRED BY THE ELECTRICAL TRADES.

LOUVER SCHEDULE

LOUVERS: GREENHECK MODEL #ESD-435 OR EQUAL AMERICAN WARMING OR DOWCO EXTRUDED ALUMINUM, 4" DEEP, DRAINABLE TYPE BLADES. FRAME SHALL BE 4" DEEP, .125" THICK 6063-T5 EXTRUDED ALUMINUM ALLOY. FRAME AND BLADES SHALL BE .081" THICK 6063-T5 EXTRUDED ALUMINUM ALLOY. BIRDSCREEN SHALL BE PROVIDED ON THE INTERIOR, BE REMOVABLE FOR CLEANING AND CONSIST OF 1/2" EXPANDED ALUMINUM WITH EXTRUDED ALUMINUM FRAME. LOUVER SHALL CARRY THE AMCA CERTIFIED RATINGS SEAL FOR BOTH WATER PENETRATION AND AIR PERFORMANCE. FURNISH FACTORY FINISH (KYNAR 500) ENAMEL PAINT WITH COLOR SELECTED BY THE ARCHITECT/ENGINEER. PROVIDE ACCESS DOOR SAME HEIGHT AS DUCT/LOUVER HEIGHT TO PROVIDE ACCESS AND REMOVAL OF BIRDSCREEN. SEE DRAWINGS FOR LOUVER SIZES.

	TYPE				
REF	SERVICE AND TYPE	MODEL NUMBERS	DEFLECTION	NECK SIZE	REMARKS
Α	SQUARE CEILING DIFFUSER	PRICE SMDA-4 OR EQUAL TITUS	4 WAY	0-125 CFM: 6" x 6" (6" DIA) 126-250 CFM: 9" x 9" (8" DIA) 251-350 CFM: 12" x 12" (10" DIA) 351-450 CFM: 12" x 12" (12" DIA) 451-600 CFM: 15" x 15" (14" DIA) 601-900 CFM: 18" x 18" (16" DIA) 901-1200 CFM: 21" x 21"	ALL STEEL CONSTRUCTION, ADJUSTABLE HORIZONTAL TO VERTICAL AIRFLOW PATTERN, (OPPOSED BLADE DAMPER), BAKED ON ENAMEL FINISH WITH COLOR SELECTED BY ARCHITECT. FRAME AND DIFFUSER PANEL SHALL MATCH GRID AND CEILING TYPE FOR LAY IN CEILING. MAXIMUM NECK VELOCITY SHALL BE 700 FPM AND MAXIMUM NC LEVEL SHALL BE 25.
В	SQUARE CEILING RETURN AIR GRILLE	PRICE SMD-4 OR EQUAL TITUS	4 WAY	0-125 CFM: 6" x 6" (6" DIA) 126-250 CFM: 9" x 9" (8" DIA) 251-350 CFM: 12" x 12" (10" DIA) 351-450 CFM: 12" x 12" (12" DIA) 451-600 CFM: 15" x 15" (14" DIA) 601-900 CFM: 18" x 18" (16" DIA) 901-1200 CFM: 21" x 21"	ALL STEEL CONSTRUCTION, (OPPOSED BLADE DAMPER), BAKED ON ENAMEL FINISH WITH COLOR SELECTED BY ARCHITECT. FRAME AND DIFFUSER PANEL SHALL MATCH GRID AND CEILING TYPE FOR LAY IN CEILING. MAXIMUM NECK VELOCITY SHALL BE 700 FPM AND MAXIMUM NC LEVEL SHALL BE 25.
С	WALL SUPPLY AIR REGISTER	PRICE 520DL(520DS) OR EQUAL CARNES OR T&B	DOUBLE DEFLECTION BLADES	SEE DRAWING	ADJUSTABLE HORIZONTAL FRONT BLADES, ADJUSTABLE VERTICAL REAR BLADES, ALL STEEL CONSTRUCTION, BAKED-ON ENAMEL FINISH WITH COLOR SELECTED BY ARCHITECT. IF GRILLE SIZE REQUIRES 2 SECTIONS, DECREASE WIDTH OF TRIM AT JOINT AS MUCH AS POSSIBLE.
D	WALL RETURN OR EXHAUST GRILLE	PRICE 530DL (530DS) OR EQUAL CARNES OR T&B	1 WAY (35 DEGREES)	SEE DRAWING	ALL STEEL CONSTRUCTION, BAKED ON ENAMEL FINISH WITH COLOR SELECTED BY ARCHITECT, ONE SET OF HORIZONTAL BLADES, IF GRILLE SIZE REQUIRES 2 OR MORE SECTIONS, DECREASE WIDTH OF FRIM AT JOINT AS MUCH AS POSSIBLE.
Е	ROUND SUPPLY AIR DIFFUSER	PRICE RCDA OR EQUAL CARNES OR T&B	ROUND SUPPLY AIR DIFFUSER	0-100 CFM: 6" DIA 101-175 CFM: 8" DIA 176-275 CFM: 10" DIA 276-400 CFM: 12" DIA 401-550 CFM: 14" DIA 551-800 CFM: 16" DIA 801-1000 CFM: 18" DIA 1001-1300 CFM: 20" DIA 1301-1600 CFM: 24" DIA 1601-2500 CFM: 30" DIA	ALL STEEL CONSTRUCTION, RADIAL OPPOSED BLADE DAMPER, ADJUSTABLE HORIZONTAL TO VERTICAL AIR FLOW PATTERN, BAKED-ON ENAMEL FINISH WITH COLOR SELECTED BY ARCHITECT. MAXIMUM NECK VELOCITY SHALL BE 500 FPM AND MAXIMUM NC LEVEL SHALL BE 20. FURNISH #RA-4 DIFFUSER WHEN INSTALLED IN CEILING, #RA-2 WHEN INSTALLED ON DUCT WITHOUT CEILING.

GRILLE, REGISTER, AND DIFFUSER SCHEDULE

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MECHANICAL SCHEDULE

						WATER HI	EATER SCHEDULE						
	Mark	MANUFACTURER	MODEL	TYPE	FUEL	FIRE RATE	GPH RISE @	STORAGE	FLUE SIZE (IN)	INTAKE SIZE	ELECT	RICAL	NOTES
	Wark	MANUFACTURER	NUMBER	ITPE	FUEL	МВН	100°F	CAPACITY	T LOL SIZE (IIV)	(IN)	VOLTS	PHASE	NOTES
	WH-1	LOCHINVAR	SWA200N	DOMESTIC HOT WATER	N. GAS	199	232	90	3	3	115	1	SEE BELOW
_				· · · · · · · · · · · · · · · · · · ·				-					

- 1 BASE BID PRICING SHALL BE BASED AROUND THE SCHEDULED LOCHINVAR BOILERS. VOLUNTARY ALTERNATIVE PRICING MAY BE SUBMITTED FOR ACCEPTABLE ALTERNATIVE MANUFACTURER'S INCLUDING A.O.
- 2 BOILER AND ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE TO ALL APPLICABLE CODES, REQUIREMENTS AND MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS
- 3 WATER HEATER SUPPLIER SHALL PROVIDE INITIAL CHECK TEST AND START-UP OF WATER HEATER, VERIFY PROPER OPERATION, INSTRUCT OWNER'S PERSONNEL ON PROPER OPERATION AND MAINTENANCE WIRING DIAGRAM SHOWING BOTH FACTORY AND FIELD WIRING, ONE YEAR WARRANTY WITH MATERIAL AND LABOR, AND SHALL PROVIDE TECHNICAL ASSISTANCE AS REQUIRED TO ASSURE THAT THE SYSTEM IS WIRED AND OPERATING AS RECOMMENDED BY THE MANUFACTURER.
- 4 CONTROL WIRING FOR WATER HEATER, SENSORS, AND RE-CIRCULATOR PUMP, INCLUDING 115 VOLTS, SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- 5 WATER HEATER SHALL BE OF ASME CONSTRUCTION AND HAVE A 3 YEAR WARRANTY AND ASME TEMPERATURE AND PRESSURE RELIEF VALVE. EXTEND DRAIN PIPING TO FLOOR DRAIN
- 6 EACH WATER HEATER SHALL BE PROVIDED WITH A CONDENSATE NEUTRALIZATION KIT FROM MANUFACTURER.
- 7 WATER HEATER SHALL BE SET TO 140 DEGREES F HOT WATER TEMPERATURE.
- 8 WATER HEATER SHALL BE PROVIDED WITH AN 8 FOOT POWER CORD 9 FURNISH AND INSTALL CHECK VALVE ON INCOMING COLD WATER LINE AND AN EXPANSION TANK WHERE SHOWN ON DETAIL

ELECTRIC WATER HEATER SCHEDULE

EWH-2,3,4,5: LOCHINVAR #JRC012E ELECTRIC WATER HEATER, 12 GALLON STORAGE CAPACITY, 1500 WATTS SINGLE ELEMENT, 115 VOLT SINGLE PHASE.

- 1. FURNISH ASME TEMPERATURE AND PRESSURE RELIEF VALVE FOR EACH WATER
- 2. WATER HEATER SHALL BE SET TO 140 DEGREES F HOT WATER TEMPERATURE.

HEATER, EXTEND DRAIN PIPING TO FLOOR DRAIN OR JANITOR'S SINK.

- 3. FURNISH AND INSTALL CHECK VALVE IN INCOMING COLD WATER LINE AND AN EXPANSION TANK IN COLD WATER LINE BETWEEN HEATER AND CHECK VALVE.
- 4. FURNISH MANUAL RESET HIGH LIMIT, ALARM BELL, CONTACTS FOR FLAME FAILURE. LOW WATER CUT OFF WITH MANUAL RESET AND CONTACT FOR COMBUSTION
- 5. FURNISH AND INSTALL A 1 1/2" DEEP GALVANIZED STEEL SECONDARY DRAIN PAN WITH DRAIN OUTLET FOR WATER HEATER. EXTEND DRAIN PIPING TO F.D. OR JANITORS CLOSET.

PUMP SCHEDULE

- RCP-1: DOMESTIC HOT WATER RECIRCULATING PUMP: BELL AND GOSSETT SERIES PR ALL BRONZE INLINE BOOSTER PUMP RATED 2 GPM @ 12 FT. HD., 1/6 HP. MOTOR, 115 VOLT. MECHANICAL TRADES SHALL FURNISH AND SET HONEYWELL L6006C1018 STRAP-ON AQUASTAT AND ADJUST TO START PUMP WHEN HWR PIPE TEMPERATURE FALLS BELOW 90F AND STOP ABOVE110F. ELECTRICAL TRADES WILL PROVIDE MANUAL STARTER WITH THERMAL ELEMENTS AND ALL WIRING.
- SUMP PUMP: LITTLE GIANT MODEL 9EN-CIA-RF OR PRE-APPROVED EQUAL, RATED 50 GPM AT 17' TDH, 4/10 HP, 9.0 RUNNING AMPS, 115/1/60 VOLT, 20 FOOT PLUG IN CHORD, AUTOMATIC OPERATION, SET FLOAT FOR ON AT 9" AND OFF AT 2" ABOVE BASE OF
- SE-1: SEWAGE EJECTOR SUMP AND PUMPS
 - 2- #2441 WEIL SUBMERSIBLE PUMPS (DUPLEX, TWO REQUIRED) WITH 3" DISCHARGE EACH, EACH RATED FOR 60 GPM @ 20' TDH, 1HP, 1750 RPM, 208/3/60, SS SHAFT, CAST IRON IMPELLER.
 - #2613-3 QUICK REMOVAL SYSTEM.
 - 1- #8211 NEMA 1 PEDESTAL MOUNTED FLOAT OPERATED SQ. D MECHANICAL ALTERNATOR SWITCH FOR SEPARATE 115V CIRCUITS.
 - 1- #8152 NEMA 1 DUPLEX CONTROL PANEL CONTAINING:
 - ONE MAIN DISCONNECT THROUGH-THE-DOOR WITH DOOR INTERLOCK, PADLOCKABLE IN THE OFF POSITION. TWO COMBINATION MANUAL DISCONNECTS AND MOTOR CIRCUIT PROTECTORS. ADJUSTABLE AMBIENT COMPENSATED BI-METALLIC (CLASS 10) THERMAL OVERLOAD. INSTANTANEOUS MAGNETIC TRIP FOR SHORT CIRCUIT
 - PROTECTION. THROUGH THE DOOR RESET. (2) MAGNETIC CONTACTORS. SELECTOR SWITCHES (2) THREE POSITION TEST-OFF-AUTOMATIC
 - THROUGH-THE-DOOR. SPRING RETURN FROM TEST POSITION.
 - RED PILOT LIGHTS (2) INDICATES POWER TO PUMP MOTOR. CONTROL TRANSFORMER WITH FUSED 460 VOLT PRIMARY AND FUSED 115 VOLT
 - CONTROL TERMINAL STRIP. NUMBERED AND WIRED. CAD GENERATED SCHEMATIC, PANEL LAYOUT WITH FLOAT SWITCH
 - INTERCONNECT DIAGRAM. OPTION K7051 HWA BELL WITH DISABLE SWITCH
 - OPTION K7053 FLASHING HWA LIGHT
 - OPTION K7015 HASP FOR PADLOCK

VALVE FOR EACH PUMP DISCHARGE PIPE (ABOVE COVER).

- OPTION K7030 ELAPSED TIME METER FOR EACH PUMP CONTROL PANEL REQUIRES TWO SEPARATE 115 VOLT CIRCUITS FOR PUMP CONTROL AND ONE SEPARATE 115V CIRCUIT FOR HWA.
- 1- DUPLEX COVER FOR 48" INSIDE DIAMETER CONCRETE SUMP, 1/2" THICK, WITH HINGED AND PAD LOCKABLE PUMP ACCESS COVERS WITH HANDLES, 4" VENT CONNECTION, 3" DISCHARGE PIPE OPENINGS, POWER CABLE OPENINGS, SWITCH OPENING COVER PLATE, EPOXY PAINT ON CHECKERED STEEL COVER AND GASTITE SEALING.

CONTRACTOR SHALL FURNISH AND INSTALL NON-SLAM CHECK VALVE AND GATE

SUMP SHALL BE 48" INSIDE DIAMETER X 96" DEEP INSIDE, REINFORCED CONCRETE WITH CAST-IN CAST IRON STEPS AND CONCRETE BOTTOM FLOOR. FASTEN BASE ELBOWS FOR PUMP DISCHARGE PIPES FOR QUICK REMOVAL SYSTEM TO BOTTOM FLOOR. FURNISH SHOP DRAWINGS SHOWING LOCATIONS OF OPENINGS, ETC.

MECHANICAL CONTRACTOR TO BE RESPONSIBLE FOR ENTIRE SUMP INSTALLATION. FASTEN SUMP TO 6" THICK CONCRETE BASE. 6" THICK CONCRETE FLOOR TO REST ON TOP OF CONCRETE SUMP.

INTERCEPTOR SCHEDULE

- GI-1: SCHIER MODEL GBI 20/25 GPM HIGH CAPACITY GREASE INTERCEPTOR 10 GALLON LIQUID CAPACITY 3" FPT INLET AND OUTLET FITTINGS WITH 3" X 2" FPT FITTINGS INTERNAL FLOW CONTROL FITTINGS.
- OIL INTERCEPTOR: STREIM MODEL #0S-50 OR EQUAL, SEAMLESS POLYETHYLENE CONSTRUCTION, COMPOSITE COVER, 4" PLAIN END INLET AND OUTLET, SNAP-IN FLOW CONTROL, AND 3" VENT OUTLET. 50 GPM FLOW RATE, 57 GALLON TOTAL CAPACITY

PLUMBING FIXTURE SCHEDULE

WC-1: TANK TYPE WATER CLOSET (BARRIER FREE): AMERICAN STANDARD #211AA.104 CHAMPION PRO 16 1/2" HIGH WHITE VITREOUS CHINA, CLOSE COUPLED TANK, ELONGATED SIPHON JET ACTION BOWL. 1.28 GPF AT 1000 G MAP SCORE. WATER SAVING TRIM, BOLT CAPS, SPEED CONNECT TANK/BOWL COUPLING SYSTEM, AQUA GUARD TANK LINER AND TANK LOCKING DEVICE. FURNISH CENTOCO WHITE OPEN FRONT SEAT, ALL FITTINGS INCLUDING BACKFLOW PREVENTER WATER CONTROL WITH VOLUME REGULATOR, FLUSH VALVE AND TRIP LEVER, SUPPLY PIPE WITH SHUT-OFF, ETC. TRIP LEVER SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREA.

- WALL HUNG LAVATORY: AMERICAN STANDARD #0355.012 LUCERNE, NOMINAL 20"X18" WHITE VITREOUS CHINA, FRONT OVERFLOW, FAUCET LEDGE, "D" SHAPED BOWL, SELF
 - DRAINING DECK, HOLES 4" ON CENTER, CONSTRUCTED FOR CONCEALED ARM CARRIER AND ADA COMPLIANT. FITTING SHALL INCLUDE ZURN Z-7440-XL WASHERLESS SINGLE METAL HANDLE FAUCET WITH 0.5 GPM FLOW DEVICE, GRID DRAIN, P-TRAP, WHEEL HANDLE STOPS, TAILPIECE, ALL POLISHED CHROME FINISH, UNDERSINK PROTECTIVE PIPE COVERS, ZURN CONCEALED ARM CARRIER WITH FLOOR SUPPORT, ETC. INSTALL THERMOSTATIC MIXING VALVE THAT IS ASSE 1070 LISTED UNDER EACH LAVATORY, PIPE TO HOT WATER SIDE OF FAUCET, AND ADJUST TO 105 DEGREE HOT WATER MAXIMUM AT FAUCET.
 - BARRIER FREE/ADA SHOWER FITTINGS: ZURN Z7121- SS-LH -DV2P-HW-MT-VB OR SIMILAR POWERS OR SYMMONS, SINGLE BLADE METAL HANDLE PRESSURE BALANCING MIXING SHOWER UNIT, WITH VOLUME CONTROL, WITH SINGLE BRONZE STEM, STAINLESS STEEL BALANCING PISTON INTEGRAL WITH STEM ASSEMBLY, AND BRASS ADJUSTMENT LIMIT STOP SCREW IN CAP. COMPLETE WITH DOUBLE SEAL PACKING, ADJUSTABLE BRASS PACKING NUT, AND REMOVABLE BRASS SEATS, ALL EXPOSED TRIM WITH POLISHED NICKEL CHROME PLATED SURFACE. VALVE SUPPLIED WITH TWO-WAY BRASS DIVERTER VALVE, HAND-WALL SHOWER HEAD, 60" FLEXIBLE METAL HOSE, 24" MOUNTING SLIDE BAR WALL CONNECTION, STANDARD SHOWER HEAD, ARM AND WALL FLANGES, INTEGRAL SERVICE CHECK-STOPS. VALVE SHALL MEET A.S.S.E. STANDARD 1016. VERIFY MOUNTING HEIGHTS AND LOCATIONS WITH ADA REQUIREMENTS AND ARCHITECTURAL DRAWINGS BEFORE STARTING WORK. COORDINATE LOCATIONS WITH GRAB BAR AND FOLDING SEAT AS REQUIRED. ADJUST LIMIT STOP SCREW TO PROVIDE MAXIMUM OF 105 DEGREE WATER TEMPERATURE FROM SHOWER HEAD.
 - SK-1: WALL HUNG LAVATORY: AMERICAN STANDARD #0355.012 LUCERNE, NOMINAL 20"X18" WHITE VITREOUS CHINA, FRONT OVERFLOW, FAUCET LEDGE, "D" SHAPED BOWL, SELF DRAINING DECK, HOLES 4" ON CENTER, CONSTRUCTED FOR CONCEALED ARM CARRIER AND ADA COMPLIANT. FITTING SHALL INCLUDE ZURN Z-7440-XL WASHERLESS SINGLE METAL HANDLE FAUCET WITH 0.5 GPM FLOW DEVICE, GRID DRAIN, P-TRAP, WHEEL HANDLE STOPS, TAILPIECE, ALL POLISHED CHROME FINISH, UNDERSINK PROTECTIVE PIPE COVERS, ZURN CONCEALED ARM CARRIER WITH FLOOR SUPPORT, ETC. INSTALL THERMOSTATIC MIXING VALVE THAT IS ASSE 1070 LISTED UNDER EACH LAVATORY, PIPE TO HOT WATER SIDE OF FAUCET, AND ADJUST TO 105 DEGREE HOT WATER MAXIMUM AT FAUCET.
 - EWC-1: HI/LO ELECTRIC WATER COOLER: ELKAY EZSTL8SC WALL MOUNTED BARRIER FREE ELECTRIC WATER COOLER, STAINLESS STEEL 2 LEVEL CABINET, AUTOMATIC STREAM REGULATOR, FLEXI-GUARD SAFETY BUBBLER, CORD WITH 3 PRONG PLUG, 115 VOLT, 370 WATTS, 5 AMP., 115 VOLT. PROVIDE ZURN Z OR EQUAL WALL HANGER WITH FLOOR SUPPORT. UNIT SHALL BE MOUNTED AT HEIGHT TO MEET BARRIER FREE AND ADA REQUIREMENTS. VERIFY MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS.
 - JS-1: JANITOR'S SINK: FLORESTONE #96 242412 OR EQUAL, TERRAZZO, 24"X24"X12" WITH DROPPED FRONT, STAINLESS STEEL THRESHOLD, TILING FLANGES AND STAINLESS STEEL SPLASH CATCHER PANELS. DRAIN BODY SHALL BE 3" STAINLESS STEEL CAST INTEGRAL WITH REMOVABLE FLAT TYPE 16 GAUGE #302 STAINLESS STEEL STRAINER. RECEPTOR SHALL BE COMPOSED OF MARBLE CHIPS AND WHITE PORTLAND CEMENT GROUND SMOOTH. GROUTED AND SEALED TO RESIST STAINS. FITTINGS SHALL BE MOP SERVICE SINK FAUCET WITH HOSE END OUTLET, INTEGRAL STOPS, VACUUM BREAKER, ADJUSTABLE TOP BRACE PAIL HOOK AND ROUGH CHROME FINISH. PROVIDE MOP HANGER, HOSE AND HOSE BRACKET, AND SILICONE SEALANT. REINFORCE WALL FOR FAUCET AS REQUIRED.
 - FLOOR SINK: ZURN Z-1750-CDC-KC STAINLESS STEEL WITH 12"X12" TOP, 6" DEEP, WITH SEDIMENT BUCKET, DOME STRAINER, FLANGE AND CLAMP DEVICE, AND 3/4" GRATE. FURNISH A DEEP SEAL TRAP.
 - FD-1: FLOOR DRAIN (LOCATED IN A UNFINISHED FLOOR): ZURN ZN-415-5B CAST IRON FLOOR DRAIN WITH FLANGE, INTEGRAL REVERSIBLE CLAMPING COLLAR 7" DIAMETER SATIN NICKEL BRONZE STRAINER AND TRAP PRIMER CONNECTION WHERE REQUIRED. FURNISH A DEEP SEAL TRAP FOR EACH FLOOR DRAIN.
 - FLOOR DRAIN (LOCATED IN A FINISHED FLOOR): ZURN ZN-415-5B CAST IRON FLOOR DRAIN WITH FLANGE. INTEGRAL REVERSIBLE CLAMPING COLLAR 5" DIAMETER SATIN NICKEL BRONZE STRAINER AND TRAP PRIMER CONNECTION WHERE REQUIRED. FURNISH A DEEP SEAL TRAP FOR EACH FLOOR DRAIN.
 - ROOF DRAIN: ZURN Z100-EADP DURA-COATED CAST IRON BODY AND DOME, WITH FLASHING, CLAMP/GRAVEL GUARD, TOP-SET DECK PLATE, ADJUSTABLE EXTENSION, AND 18" SQUARE ROOF DRAIN RECEIVER.

ROOF DRAIN FOR EMERGENCY OVERFLOW: SAME AS ABOVE EXCEPT WITH -W2 2" INTERNAL WATER DAM.

TP-1: TRAP PRIMER/TRAP SEALER: EACH FLOOR DRAIN SHALL HAVE A MEANS OF MAINTAINING THE WATER SEAL IN THE TRAP BY MEANS OF TRAP PRIMER OR TRAP SEALER.

FOR FLOOR DRAIN. SIZE OF TRAP SEALER SHALL MATCH INTERNAL PIPE SIZE DIAMETER. FLOW RATES FOR TRAP SEAL ARE AS FOLLOWS: 2" - 8GPM. 3" - 24 GPM (LARGER FLOW DUE TO TRAP SEAL BEING LOWER IN DRAIN BODY). 3.5" - 14 GPM (TRAP SEAL INSTALLED IN STRAINER). 4" - 35 GPM.

TRAP SEAL OPTION: 2692 QUAD CLOSE TRAP SEAL DEVICE BY JAY R. SMITH MFG. CO.

- PPC-1: UNDER LAVATORY PROTECTIVE PIPE COVERS: ZURN OR EQUAL "INSUL-GARD" TRAP AND STOP/RISER INSULATED COVERS SHALL BE FURNISHED AND INSTALLED ON ALL EXPOSED PIPING AND VALVES BELOW LAVATORIES TO MEET ADA REQUIREMENTS. THIS SHALL INCLUDE DRAIN, CW & HW PIPING, VALVES, ETC.
- THERMOSTATIC MIXING VALVE SHALL BE FURNISHED AND INSTALLED UNDER EACH NEW LAVATORY, HAND SINK, COUNTER SINK, AND SIMILAR FIXTURE. VALVE SHALL BE LISTED ASSE 1070, 1/2" SIZE WITH STRAINER AND CHECK-STOPS. PIPE TO HOT WATER SIDE OF FAUCET AND ADJUST TO PROVIDE 105 DEGREE HOT WATER AT
- CLEANOUTS: PROVIDE ZURN Z-1400 SERIES DURA-COATED CAST IRON CLEANOUTS WITH BRONZE PLUG AS FOLLOWS:

EXTERIOR: ZB-1400 POLISHED BRONZE ROUND TOP FINISHED FLOORS: ZN-1400 NICKEL BRONZE ROUND TOP CERAMIC TILE: ZN-1400-T NICKEL BRONZE SQUARE TOP CARPETED FLOORS: ZN-1400-CM NICKEL BRONZE WITH CARPET MARKER ROUND TOP WALL CLEANOUTS: ZS-1469 STAINLESS STEEL ACCESS AS REQUIRED BY PIPE SIZE HEAVY DUTY CLEANOUTS: (AT LOCATIONS OF VEHICLE/FORKLIFT TRAFFIC)

GENERAL MECHANICAL NOTES

- 1. THE MECHANICAL TRADES SHALL FAMILIARIZE THEMSELVES WITH ALL EXISTING AND NEW CONDITIONS, THESE DRAWINGS, ADDENDA & RELATED SPECIFICATIONS. THEY SHALL COMPLETELY SATISFY THEMSELVES AS TO THE CONDITIONS TO WHICH THE WORK IS TO BE PERFORMED BEFORE SUBMITTING THEIR BID. NO ALLOWANCES OR CONSIDERATIONS WILL BE GIVEN AT A LATER DATE FOR ALLEGED MISUNDERSTANDINGS AS TO THE REQUIREMENTS OF THE WORK, MATERIALS TO BE FURNISHED, OR CONDITIONS REQUIRED BY THE NATURE OF THIS PROJECT SITE DUE TO NEGLECT ON THE BIDDERS PART TO MAKE SUCH AN EXAMINATION AND
- 2. DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW APPROXIMATE LOCATION AND GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT. DRAWINGS SHALL NOT BE SCALED FOR LOCATION OF SYSTEMS, EQUIPMENT, ETC. ALL LOCATIONS OF SYSTEMS AND EQUIPMENT SHALL BE VERIFIED IN FIELD AND COORDINATED WITH ALL OTHER TRADES AND EXISTING FIELD CONDITIONS. SOME SYSTEMS (PIPING, DUCTWORK, ETC.) AND EQUIPMENT LOCATIONS MAY REQUIRE CHANGES IN LOCATION DUE TO FIELD CONDITIONS AND COORDINATION WITH OTHER TRADES. THESE CHANGES SHALL BE MADE WITH NO ADDITIONAL COST TO THE OWNER. FAILURE TO VERIFY AND COORDINATE WILL BE NO REASON FOR ADDITIONAL COMPENSATION.
- 3. THE INSTALLATION OF ALL SYSTEMS, EQUIPMENT, ETC., IS SUBJECT TO CLARIFICATION WITH SUBMITTED SHOP DRAWINGS AND FIELD COORDINATION REQUIREMENTS. EQUIPMENT OUTLINES SHOWN ON DRAWINGS OR DIMENSIONED ON DRAWINGS ARE LIMITING DIMENSIONS. ANY EQUIPMENT THAT REDUCES THE INDICATED CLEARANCES OR EXCEEDS SPECIFIED OR SCHEDULED EQUIPMENT DIMENSIONS SHALL NOT BE USED.
- 4. THE MECHANICAL CONTRACTOR SHALL COORDINATE FINAL LOCATION OF ALL EQUIPMENT WITH PIPING, DUCTWORK, ETC., AT THE TIME OF ROUGH-IN. ALL EQUIPMENT TO BE SERVICEABLE. ABOVE CEILING EQUIPMENT SHALL BE WITHIN 18" OF CEILING WITHOUT ANY OBSTRUCTIONS AND SHALL HAVE ALL SERVICE AND ACCESS SPACES KEPT CLEAR. PERFORM ABOVE CEILING COORDINATION WITH ALL TRADES.
- 5. THESE DRAWINGS AND THE ASSOCIATED SPECIFICATIONS ARE INTENDED TO PROVIDE COMPLETELY FURNISHED, INSTALLED AND OPERATIONAL MECHANICAL SYSTEM (HEATING, VENTILATING, AIR CONDITIONING, PLUMBING AND PIPING, ETC.). IF THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS HAVE INFORMATION OMITTED THAT WOULD NOT ALLOW A COMPLETELY OPERATIONAL SYSTEM AS IS THE INTENT OF THE ENGINEER, THE BIDDER SHALI NOTIFY THE ENGINEER A MINIMUM ONE WEEK PRIOR TO THE BID DATE TO ALLOW FOR ADDENDA ONCE BIDS HAVE BEEN RECEIVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIAL LABOR, ETC., TO FURNISH AND INSTALL A COMPLETELY OPERATIONAL MECHANICAL SYSTEM AS IS THE INTENT OF THESE DRAWINGS AND ASSOCIATED SPECIFICATION. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. IF ANY DISCREPANCIES ARE ON DRAWINGS, AS COMPARED TO MANUFACTURER'S INSTALLATION INSTRUCTIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND INSTALL EQUIPMENT AS REQUIRED AT NO ADDITIONAL COST TO THE PROJECT.
- 6. THE MECHANICAL TRADES SHALL TAKE OUT ALL PERMITS AND ARRANGE FOR NECESSARY INSPECTIONS AND SHALL PAY ALL FEES AND COSTS.
- 7. THE MECHANICAL TRADES SHALL VERIFY AMOUNT OF EXISTING PIPING, VALVES, DUCTWORK, ETC. TO BE REMOVED OR RELOCATED TO ALLOW FOR INSTALLATION OF NEW PIPING, DUCTWORK, VALVES, EQUIPMENT, WALLS, ETC. ALL ABANDONED PIPING, VALVES, ETC., SHALL BE REMOVED.
- 8. THE MECHANICAL TRADES SHALL COORDINATE ALL WORK WITH OTHER TRADES AND SHALL COORDINATE ANY SYSTEMS SHUT-DOWN WITH THE ARCHITECT/ENGINEER AND OWNER.
- 9. ALL EXISTING EQUIPMENT, PIPING, DUCTWORK, ETC. THAT IS TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL REMOVE AND LOCATE THIS MATERIAL THAT REMAINS THE PROPERTY OF THE OWNER TO A LOCATION DETERMINED BY THE OWNER SOMEWHERE ON SITE. IF THE OWNER DOES NOT WANT TO MAINTAIN POSSESSION OF THE REMOVED MATERIAL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING MATERIAL FROM THE SITE AND DISPOSING OF THIS MATERIAL AS NECESSARY TO MEET ALL CODES AND REQUIREMENTS AND SHALL PAY ALL COSTS AS REQUIRED FOR ANY DISPOSAL FEES, INSPECTIONS,
- 10. ATTACHMENTS OF MECHANICAL OR ELECTRICAL EQUIPMENT TO STRUCTURAL MEMBERS ARE THE RESPONSIBILITY OF THE INSTALLING TRADE. STRUCTURAL MEMBERS SHALL NOT BE FIELD CUT, WELDED OR OTHERWISE MODIFIED WITHOUT APPROVAL OF THE ARCHITECT/ENGINEER. ATTACHMENT TO STEEL JOISTS SHALL BE MADE AT PANEL POINTS WHENEVER POSSIBLE. STEEL JOISTS SHALL BE REINFORCED FOR NON-PANEL POINT CONCENTRATED LOADS IN ACCORDANCE WITH THE STRUCTURAL DETAILS; THIS WORK SHALL BE PERFORMED BY CERTIFIED WELDERS AND IS THE RESPONSIBILITY OF THE TRADE INSTALLING THE SUBJECT LOAD. STRUCTURAL MEMBERS SHALL NOT BE OVERLOADED AS A RESULT OF ATTACHMENTS. ATTACHMENT/EQUIPMENT LOADING FOR ALL TRADES RESULTING IN TOTAL LOAD GREATER THAN AN EQUIVALENT UNIFORM 5 PSF FOR ANY MEMBER SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW.
- 11. THE MECHANICAL TRADES SHALL FURNISH AND LOCATE CEILING AND/OR WALL ACCESS DOORS AS REQUIRED TO GIVE ACCESS TO VALVES, EQUIPMENT, ETC. COORDINATE WALL OR CEILING FIRE RATINGS AND FURNISH ACCESS DOOR WITH RATING AS NECESSARY. THE GENERAL TRADES SHALL INSTALL ACCESS DOORS.
- 12. FURNISH PREFABRICATED ROOF CURB FOR EACH EXHAUST FAN, WITH HEIGHT OF CURB TO GIVE MINIMUM 12" CLEAR FROM FINISHED ROOF TO EXHAUST FAN CURB CAP. THE MECHANICAL TRADE SHALL FURNISH THE ROOF CURB TO THE GENERAL TRADE. THE GENERAL TRADE SHALL LEVEL CURB, PERFORM ALL ROOFING AND FLASHING ETC.
- 13. SEE SPECIFICATION FOR FURTHER INFORMATION.

SPECIFIED AND SCHEDULED EQUIPMENT NOTE

EQUIPMENT MANUFACTURERS AND MATERIALS SPECIFIED OR SCHEDULED ON THESE PROJECT DRAWINGS AND SPECIFICATIONS SHALL BE INCLUDED UNDER THE BASE BID PRICE. SUBSTITUTE OR ALTERNATE EQUIPMENT SHALL BE PRICED AS AN ADD OR DEDUCT PRICE TO THE CONTRACTOR'S BASE BID PRICE. IF ONE OR MORE SUBSTITUTIONS ARE ACCEPTED WITH THE PROPOSAL AT THE CORRESPONDING ALTERNATE PRICE, IT SHALL BE UNDERSTOOD THAT APPROVAL OF SAID EQUIPMENT SHALL BE SUBJECT TO STRICT ADHERENCE TO THE PLANS AND SPECIFICATIONS. SHOULD ANY OF THE SUBSTITUTE EQUIPMENT FAIL TO MEET THE SPECIFICATIONS AFTER THE PROPOSAL HAS BEEN ACCEPTED, REGARDLESS IF EQUIPMENT HAS BEEN SHIPPED TO THE SITE AND INSTALLED, THE CONTRACTOR SHALL FURNISH AT NO EXTRA COST TO THE OWNER. THE SPECIFIED EQUIPMENT MEETING THE REQUIREMENTS AS STATED IN THESE SPECIFICATIONS AND COVER ALL COSTS NECESSARY FOR REMOVAL AND REINSTALLATION OF EQUIPMENT.

FIRE PROTECTION NOTES

- 1. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING THE SERVICES OF A LICENSED FIRE PROTECTION CONTRACTOR TO DESIGN, DETAIL AND INSTALL A FIRE PROTECTION SPRINKLER SYSTEM TO COVER THE NEW AND/OR REMODELED AREAS.
- 2. THE ENTIRE FIRE PROTECTION SYSTEM DESIGN AND INSTALLATION SHALL BE STRICTLY IN ACCORDANCE WITH NFPA 13 SPRINKLER SYSTEMS AND SHALL MEET THE REQUIREMENTS OF THE LOCAL AND STATE FIRE MARSHAL AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
- 3. ALL PERMITS, LICENSES, FEES, INSPECTIONS AND ARRANGEMENT/COORDINATION OF SUCH SHALL BE OBTAINED AND PAID FOR BY THE FIRE PROTECTION CONTRACTOR.
- 4. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE A FLOW TEST AND FURNISH COMPLETE DETAILED COMPUTER AIDED DESIGN (CAD) WORKING DRAWINGS OF THE SYSTEM AND SHALL SUBMIT THEM TO THE FIRE MARSHAL, ARCHITECT/ENGINEER, AND ALL AGENCIES REQUIRED BY CODE FOR THEIR REVIEW AND APPROVAL. NO WORK OR FABRICATION SHALL COMMENCE BEFORE THE DETAILED WORKING DRAWINGS OF THE SYSTEM, WITH THE AGENCIES APPROVALS, ARE SUBMITTED TO AND ARE REVIEWED BY THE ARCHITECT/ENGINEER. SYSTEM SHALL BE COMPLETE WITH OUTSIDE ALARM BELL, FLOW SWITCH, SUPERVISORY SWITCH ON SYSTEM CONTROL VALVE, HYDRAULIC DESIGN PLATE AT MAIN RISER, SPARE HEADS AND WRENCH, DOCUMENTATION, ETC.
- 5. THE FIRE PROTECTION CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND VERIFY TIE-IN LOCATION, ROUTING OF PIPING, LOCATION OF SPRINKLER HEADS WITH RESPECT TO DUCTS. EQUIPMENT, LIGHT FIXTURES, ETC. SPRINKLER HEADS SHALL BE CENTERED IN CEILING TILES AND
- 6. LAYOUT AND DESIGN OF THE SYSTEM SHALL BE BASICALLY AS DESIGNED FOR REQUIRED OCCUPANCY HAZARD. SECURITY TYPE HEADS SHALL BE USED IN SECURE AREAS. SYSTEMS SHALL BE SIZED BY HYDRAULIC CALCULATIONS PER NFPA PAMPHLET NO. 13. EXTENDED COVERAGE SPRINKLER HEAD SYSTEM WILL NOT BE ACCEPTED WITHOUT WRITTEN APPROVAL FROM FNGINFFR
- 7. DRAWINGS SHOW POSSIBLE LOCATION AND SIZE FOR FIRE PROTECTION WATER SERVICE. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF THE FIRE PROTECTION WATER SERVICE SIZE BY VERIFICATION OF LOCAL WATER PRESSURE AND FLOW FROM THE LOCAL AUTHORITIES. THIS VERIFICATION SHALL BE PERFORMED DURING BIDDING AND NOTIFICATION TO THE ARCHITECT/ENGINEER OF ANY NECESSARY FIRE PROTECTION SERVICE CHANGES SHALL BE MADE 5 DAYS PRIOR TO BID DATE. THE COMPLETED SYSTEM SHALL BE IN ACCORDANCE WITH NFPA-13 REQUIREMENTS.
- 8. THE CONTRACTOR SHALL INCLUDE IN THEIR BID ANY COST FOR REQUESTING AUTOCAD BACKGROUNDS FOR THEIR USE FROM THE ARCHITECT OR ENGINEER. THE COST WILL BE \$150.00 FOR THE FIRST PLAN, AND \$50,00 FOR EACH ADDITIONAL PLAN THAT MAY BE REQUESTED FOR AUTOCAD USE. A WAIVER OF RESPONSIBILITY FOR THE ARCHITECT AND ENGINEER RELATED TO CONTRACTOR USE OF THE CAD FILES SHALL BE SIGNED BY THE CONTRACTOR.
- 9. SEE SPECIFICATION FOR FURTHER INFORMATION AND REQUIREMENTS.



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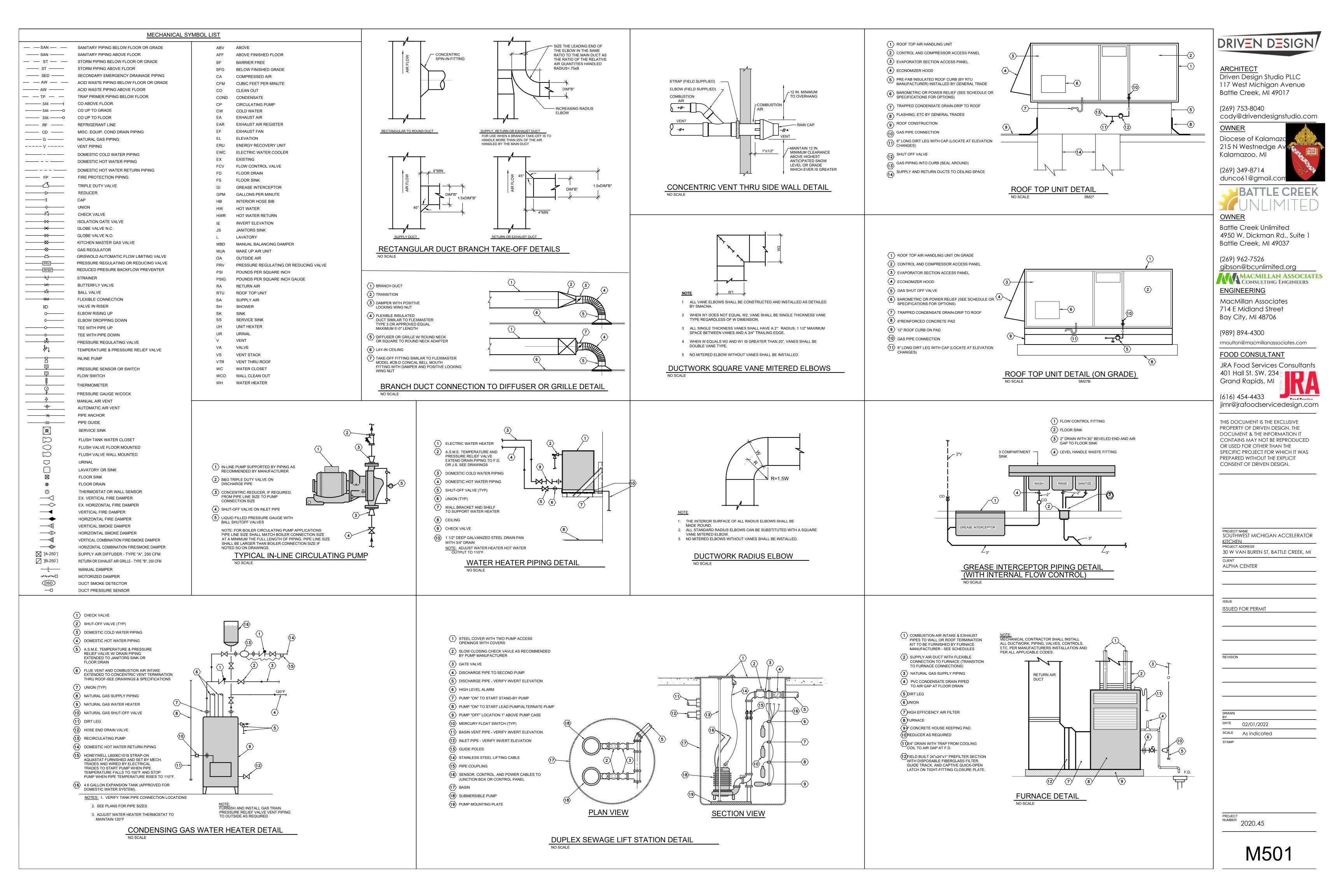
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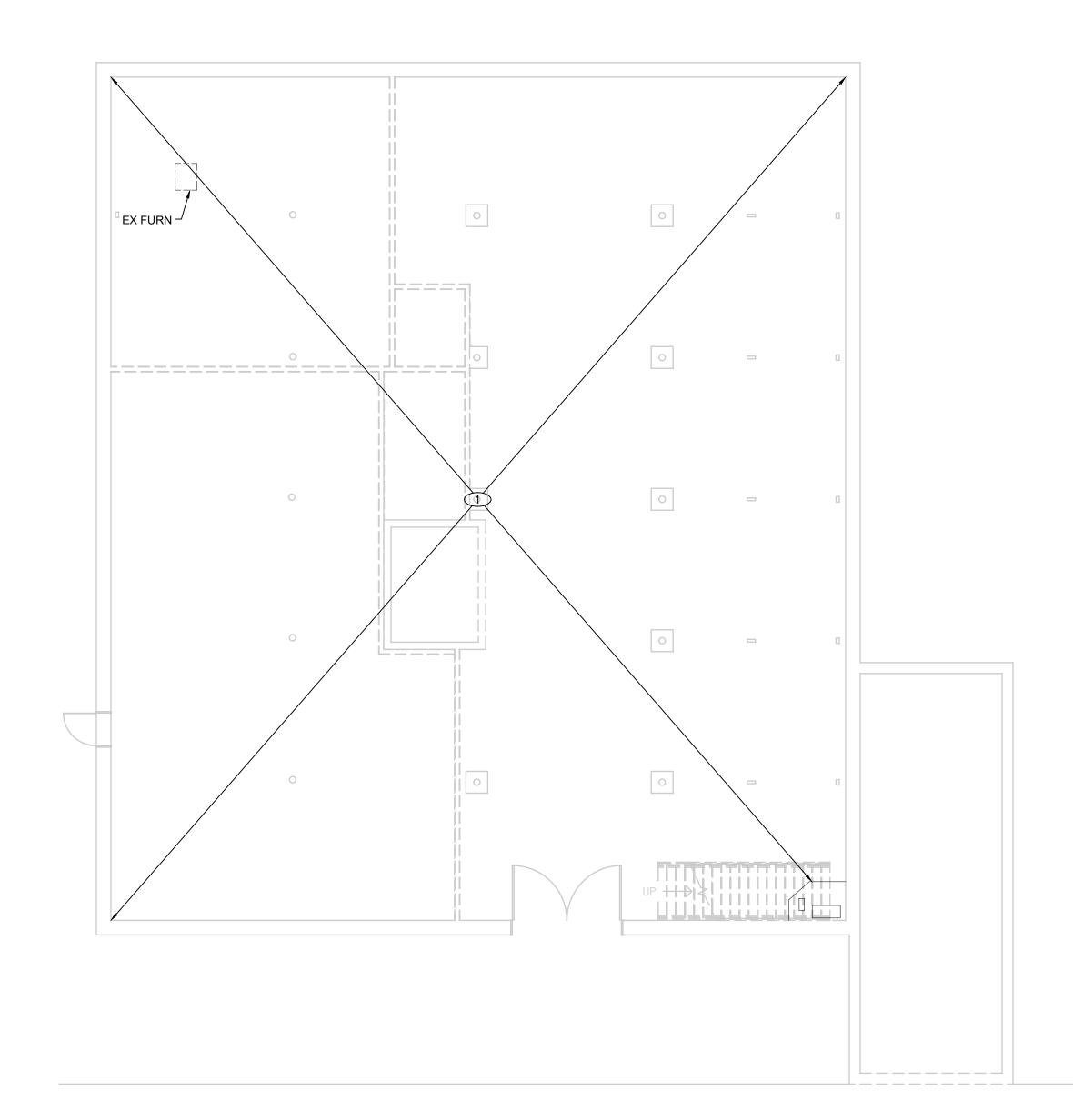
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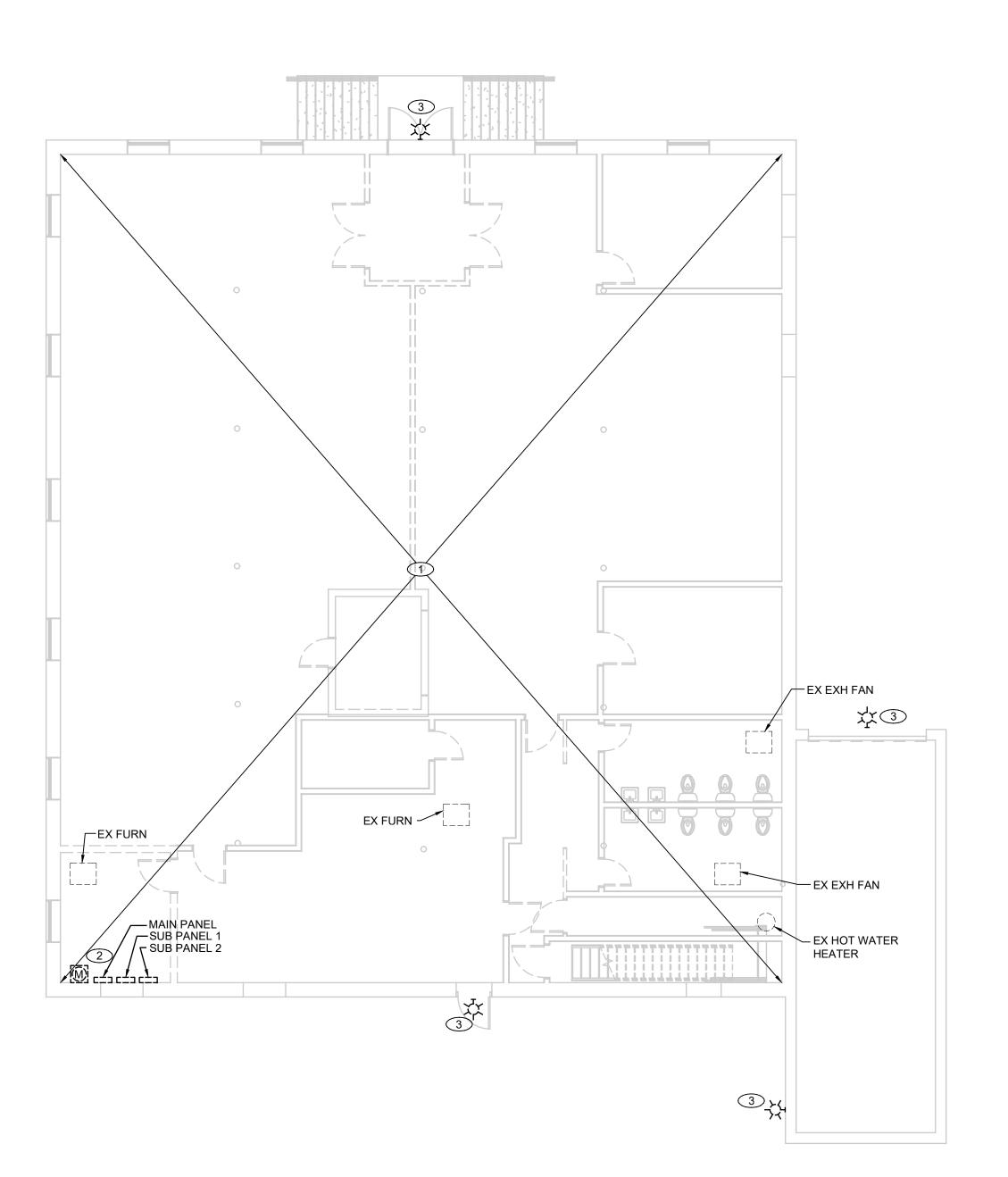
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MECHANICAL SCHEDULES











- EXISTING EQUIPMENT SHOWN ON DEMOLITION DRAWINGS DOES NOT NECESSARILY REPRESENT ALL DEMOLITION ITEMS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND INCLUDE IN BID.
- EC SHALL BE REQUIRED TO PROVIDE A PLAN FOR DEMOLISHED EQUIPMENT REMOVAL AND PRESENT TO THE OWNER FOR APPROVAL. POWER OUTAGES TO THE BUILDING SHALL REQUIRE SPECIAL PLANNING AND BE COORDINATED TO ALL TRADES.

KEYED NOTES - DEMOLITION

- 1 DISCONNECT AND REMOVE EXISTING RECEPTACLES, CONDUIT, WIRING, LIGHTING, LIGHTING CONTROLS AND ALL ASSOCIATED HANGERS, FASTENERS AND ELECTRICAL EQUIPMENT BACK TO THE SOURCE.
- DISCONNECT AND DISPOSE OF THE EXISTING ELECTRICAL PANELS AND METER IN THIS LOCATION. COORDINATE THE SHUTDOWN WITH THE UTILITY COMPANY. LEAVE THE MAIN PANEL ENERGIZED FOR CONSTRUCTION SITE POWER UNTIL THE NEW UTILITY FEED AND METER BANK HAVE BEEN ENERGIZED.
- 3 DISCONNECT AND PROPERLY DISPOSE OF OF EXISTING EXTERIOR FIXTURE. DEMO CIRCUIT AND CONDUIT BACK TO SOURCE. PROVIDE A STAINLESS STEEL COVER AND GASKET FOR JUNCTION BOX AFTER DEMOLITION.



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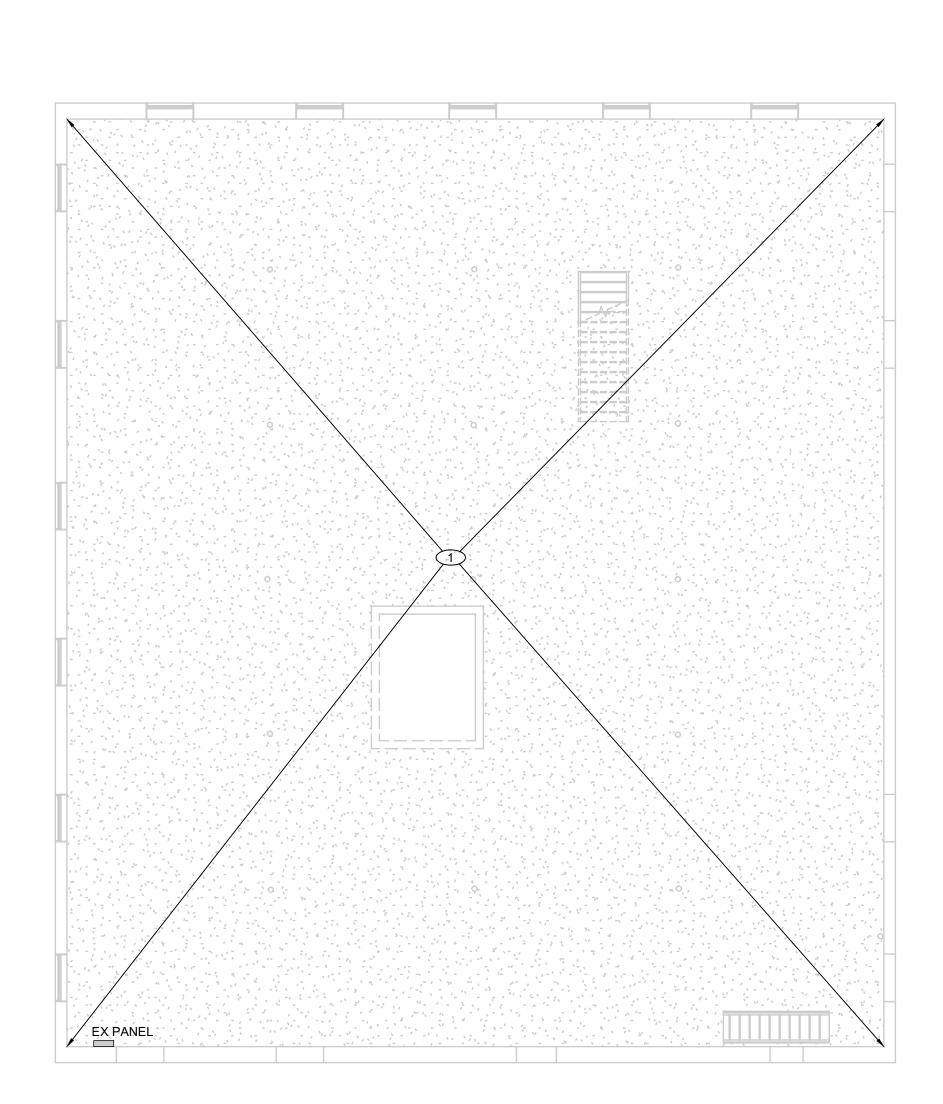
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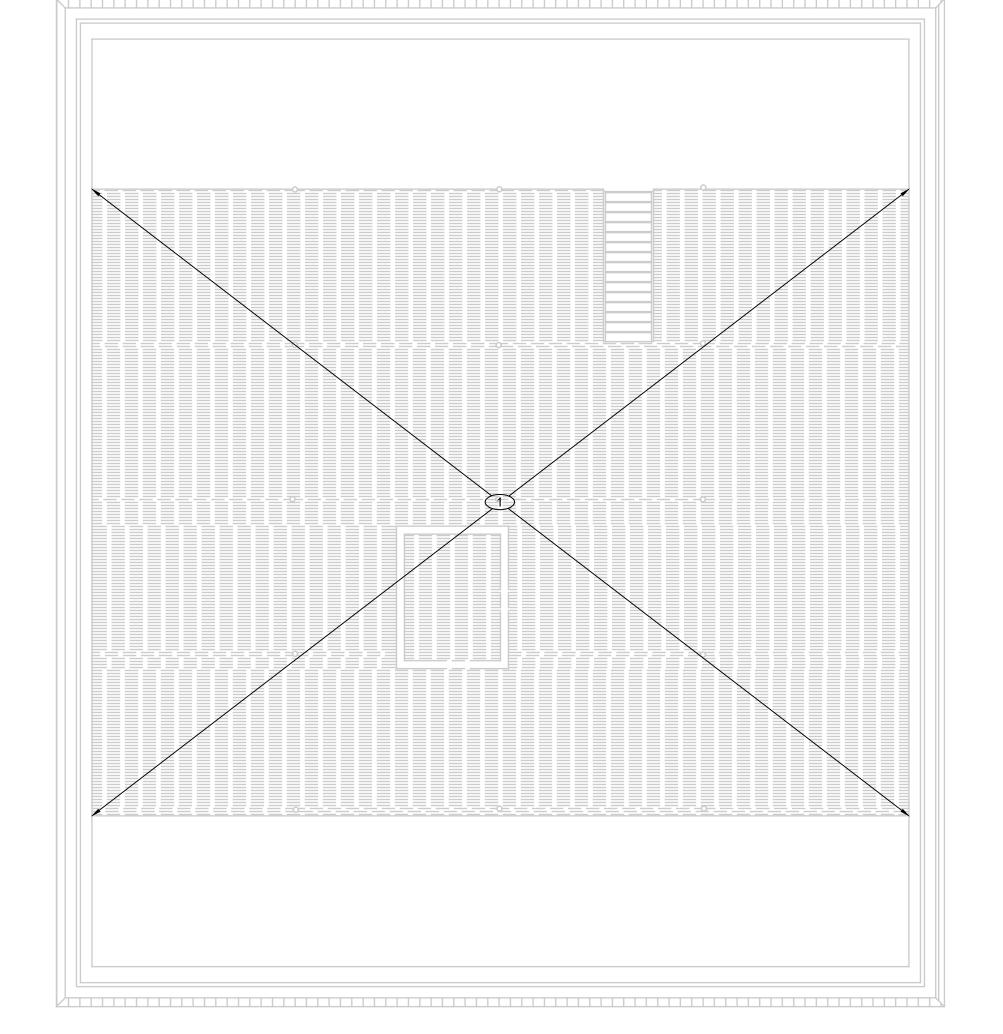
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ELECTRICAL DEMOLITION PLANS











- EXISTING EQUIPMENT SHOWN ON DEMOLITION DRAWINGS DOES NOT NECESSARILY REPRESENT ALL DEMOLITION ITEMS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND INCLUDE IN BID.
- EC SHALL BE REQUIRED TO PROVIDE A PLAN FOR DEMOLISHED EQUIPMENT REMOVAL AND PRESENT TO THE OWNER FOR APPROVAL. POWER OUTAGES TO THE BUILDING SHALL REQUIRE SPECIAL PLANNING AND BE COORDINATED TO ALL TRADES.

KEYED NOTES - DEMOLITION

1 DISCONNECT AND REMOVE EXISTING RECEPTACLES, CONDUIT, WIRING, LIGHTING, LIGHTING CONTROLS AND ALL ASSOCIATED HANGERS, FASTENERS AND ELECTRICAL EQUIPMENT BACK TO THE SOURCE.

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PROJECT NAME
SOUTHWEST MICHIGAN ACCELERATOR
KITCHEN
PROJECT ADDRESS
30 W VAN BUREN ST, BATTLE CREEK, MI

CLIENT ALPHA CENTER

sue SUFD FOR PERMIT

DN

DRAWN DCT

DATE 02/01/2022

SCALE As indicated

STAMP

PROJECT NUMBER 2020.45

ELECTRICAL DEMOLITION PLANS



- 1. PROVIDE A DEDICATED NEUTRAL FOR EACH CIRCUIT.
- 2. LABEL ALL DEVICE COVER PLATES WITH PANEL AND CIRCUIT NUMBER. UTILIZE CLEAR ADHESIVE LABEL WITH BLACK TYPE WRITTEN TEXT.
- 3. EC SHALL VERIFY FINAL EQUIPMENT LOCATIONS WITH THE FOOD VENDOR PRIOR TO ROUGH-INS.
- 4. COORDINATE WITH STRUCTURAL TO X-RAY FLOOR PRIOR TO ANY PENETRATIONS TO AVOID DAMAGING STRUCTURAL MEMBERS.
- 5. ALL KITCHEN RECEPTACLES SHALL BE HORIZONTALLY MOUNTED AND GFCI PROTECTED UNLESS OTHERWISE NOTED.
- 6. THE DESIGN INTENT IS FOR ALL SURFACE CONDUIT TO BE CONCEALED BY CEILINGS WHERE POSSIBLE. PAINTED TO MATCH THE SURFACE ELSEWHERE. NO CONDUIT SHALL BE INSTALLED ON THE SURFACE OF THE EXTERIOR OF THE BUILDING. NO SURFACE CONDUIT SHALL BE ALLOWED ON NEW CONSTRUCTION WALLS.

KEYED NOTES

- $\langle 1 \rangle$ THIS FIXTURE IS AN ACOUSTIC PANEL AND SHALL BE PROVIDED BY ARCHITECTURAL TRADES. SHOWN FOR COORDINATION PURPOSES.
- \langle 2 angle MOUNT THIS FIXTURE 12'-6" AFG. THE DESIGN INTENT IS FOR THE CONDUIT TO BE SURFACE MOUNTED ON THE INTERIOR OF THE BUILDING AND FOR THE FIXTURE TO BE MOUNTED FLUSH TO THE EXTERIOR OF THE BUILDING. PAINT THE CONDUIT TO MATCH THE SURFACE IT IS.
- (3) MOUNT THIS FIXTURE 8'-6" AFG. THE DESIGN INTENT IS FOR THE CONDUIT TO BE SURFACE MOUNTED ON THE INTERIOR OF THE BUILDING AND FOR THE FIXTURE TO BE MOUNTED FLUSH TO THE EXTERIOR OF THE BUILDING. PAINT THE CONDUIT TO MATCH THE SURFACE IT IS.
- \langle 4 \rangle MOUNT THIS FIXTURE 5'-0"' FROM THE TOP OF THE FINISHED WALL. THE DESIGN INTENT IS FOR THE CONDUIT TO BE SURFACE MOUNTED ON THE INTERIOR OF THE BUILDING AND FOR THE FIXTURE TO BE MOUNTED FLUSH TO THE EXTERIOR OF THE BUILDING. PAINT THE CONDUIT TO MATCH THE SURFACE IT IS.
- \langle 5 angle MOUNT THIS FIXTURE 13'-6"' AFG. THE DESIGN INTENT IS FOR THE CONDUIT TO BE SURFACE MOUNTED ON THE INTERIOR OF THE BUILDING AND FOR THE FIXTURE TO BE MOUNTED FLUSH TO THE EXTERIOR OF THE BUILDING. PAINT THE CONDUIT TO MATCH THE SURFACE IT IS.
- $\langle 6 \rangle$ MOUNT THIS FIXTURE 8'-6" AFG. CENTER FIXTURE ABOVE THE EXTERIOR DOOR. THE DESIGN INTENT IS FOR THE CONDUIT TO BE SURFACE MOUNTED ON THE INTERIOR OF THE BUILDING AND FOR THE FIXTURE TO BE MOUNTED FLUSH TO THE EXTERIOR OF THE BUILDING. PAINT THE CONDUIT TO MATCH THE SURFACE IT IS.

- $\langle 7 \rangle$ MOUNT THIS FIXTURE 8'-6" ABOVE THE FINISHED EXTERIOR STAIRCASE. THE DESIGN INTENT IS FOR THE CONDUIT TO BE SURFACE MOUNTED ON THE INTERIOR OF THE BUILDING AND FOR THE FIXTURE TO BE MOUNTED FLUSH TO THE EXTERIOR OF THE BUILDING. PAINT THE CONDUIT TO MATCH THE SURFACE IT IS.
- (8) COORDINATE WITH GENERAL TRADES TO INSTALL CONCRETE BOLLARDS AROUND THE ELECTRICAL DISTRIBUTION LINEUP. PAINT SAFETY YELLOW WHEN FINISHED.
- $\langle 9 \rangle$ MOUNT THIS FIXTURE 8'-6" AFG.

/--PNL1-12

LCPA-1

VIA LIGHTING

INVERTER

- $\langle 10 \rangle$ LIGHTING INVERTER SHOWN DIAGRAMATICALLY. MOUNT ABOVE PANEL 1 AS ROOM PERMITS.
- EC SHALL MOUNT FIXTURES IN THE FREEZER. CONDUIT MOUNTED ON THE EXTERIOR.

LIGHTING WIRING METHODS

- 1. EXIT LIGHTS SHALL OPERATE 24-7 AND SHALL BE WIRED FROM THE LOCAL LIGHTING CIRCUIT.
- HALF-TONE SHADED FIXTURES REPRESENTS THE FIXTURE IS AN EMERGENCY LIGHT AND HAS BACK UP POWER FROM AN EMERGENCY GENERATOR CIRCUIT. CONTROL SHALL BE DONE THROUGH LOCAL CONTROLS UNLESS NOTED OTHERWISE.
- 3. ALL LIGHTING CIRCUITS SHALL BE INSTALLED IN CONDUIT.
- 4. MC CABLE IS AN ACCEPTABLE WIRING METHOD.
- CEILING OCCUPANCY SENSORS SHALL BE WIRED AHEAD OF THE LOCAL SWITCHING. THIS ALLOWS THE LOCAL SWITCHES TO OVERRIDE THE SENSOR TO TURN OFF THE LIGHTS.
- 6. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH NEW LIGHTING CIRCUIT. SHARED NEUTRALS ARE NOT PERMITTED FOR THIS
- PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR FOR NEW LIGHTING CIRCUITS. THE USE OF THE RACEWAY FOR A GROUNDING PATH IS NOT ACCEPTABLE FOR THIS PROJECT.
- 8. OCCUPANCY SENSORS, POWER PACKS AND CONTROLS ARE SHOWN DIAGRAMMATICALLY. THE MANUFACTURER SHALL DETERMINE FINAL DEVICE LOCATION FOR OPTIMUM SYSTEM OPERATION. INFRARED SENSORS MUST REMAIN AT A MINIMUM OF 4'-0" AWAY FROM ANY MECHANICAL HEAT DIFFUSER TO ELIMINATE FALSE TRIPS. CIRCUIT LINES ARE SHOWN FROM SWITCHES TO LIGHT FIXTURES TO COMMUNICATE SWITCHING CONFIGURATION ONLY. ALL SENSORS, POWER PACKS AND WIRING MUST BE WIRED PER MANUFACTURER'S WIRING METHOD.
- 9. A SINGLE POWER PACK CAN HAVE MULTIPLE SWITCHES WIRED TO THE DEVICE PROVIDED THAT THE FIXTURES BEING CONTROLLED BY THESE SWITCHES ARE ON THE SAME CIRCUIT. TWO POWER PACKS ARE REQUIRED IF A SECOND CIRCUIT IS INTRODUCED. REFER TO MANUFACTURER'S WIRING METHODS. PROVIDE AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
- PACK AND LOCAL SWITCHING IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION.
- 11. REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL LIGHT FIXTURE LOCATIONS.
- 12. ALL DIMMER SWITCHES SHALL BE CAPABLE OF HANDLING THE LOAD AS SHOWN AND BE LISTED AS APPROVED BY THE MANUFACTURER OF THE LIGHT THAT IS BEING DIMMED.
- 13. ALL LIGHTING CONTROL SYSTEMS THAT CONTROL A FIXTURE WITH A UL924 DEVICE WITH AN EMERGENCY BATTERY SHALL BE TIED THROUGH



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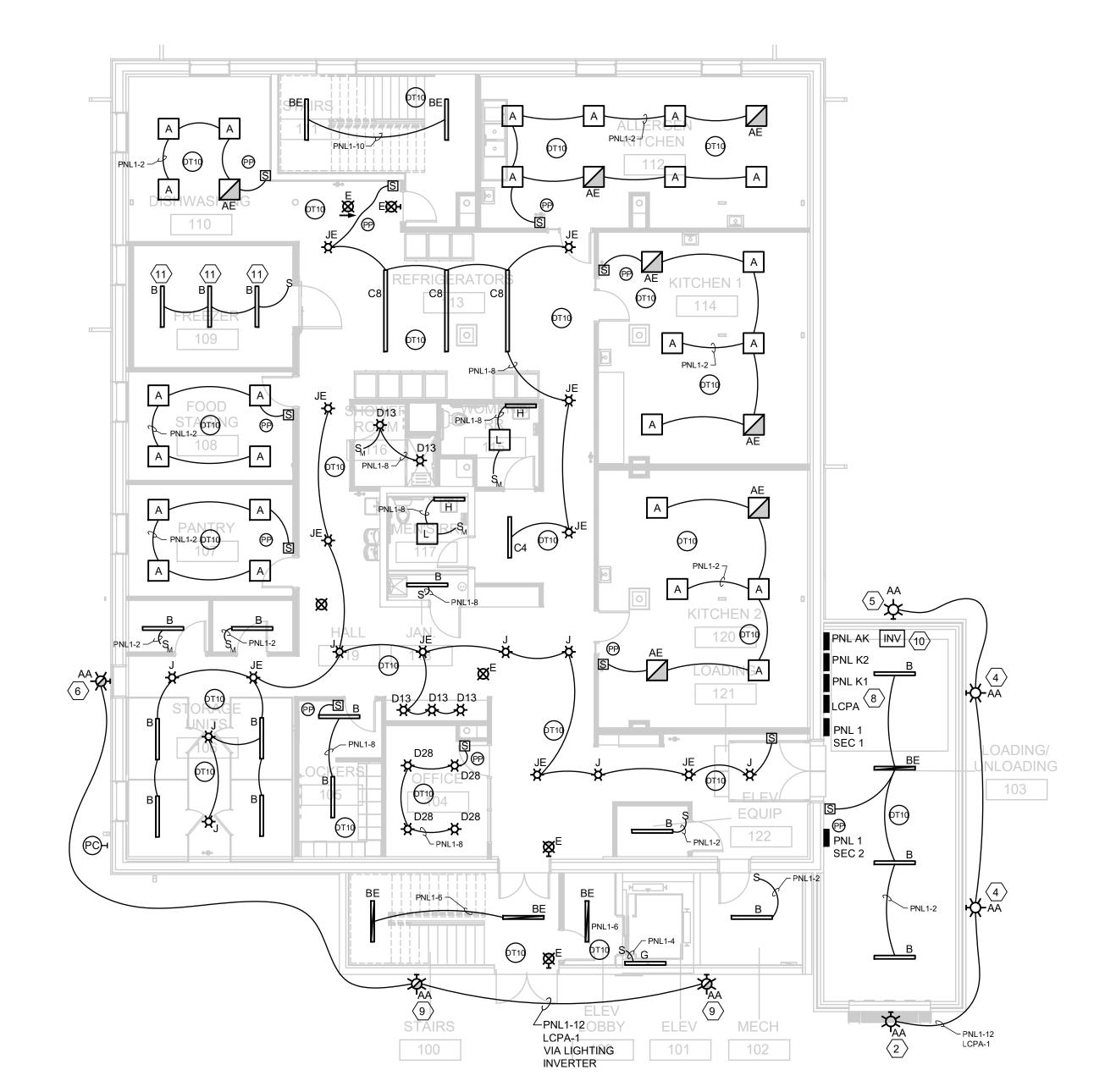
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DATE 02/01/2022

SCALE As indicated

PROJECT NUMBER 2020.45

LIGHTING REVISIONS PLANS E200







ELEV

216 201 202

STAIRS

200

10. COMPLETE ALL WIRING BETWEEN THE OCCUPANCY SENSOR, POWER PNL2-3 LOADING/ UNLOADING 103

1. PROVIDE A DEDICATED NEUTRAL FOR EACH CIRCUIT.

VENDOR PRIOR TO ROUGH-INS.

- 2. LABEL ALL DEVICE COVER PLATES WITH PANEL AND CIRCUIT NUMBER. UTILIZE CLEAR ADHESIVE LABEL WITH BLACK TYPE WRITTEN TEXT.
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- FULLY OPERATIONAL SYSTEM. 10. COMPLETE ALL WIRING BETWEEN THE OCCUPANCY SENSOR, POWER PACK AND LOCAL SWITCHING IN ACCORDANCE WITH THE
- 11. REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL LIGHT FIXTURE LOCATIONS.
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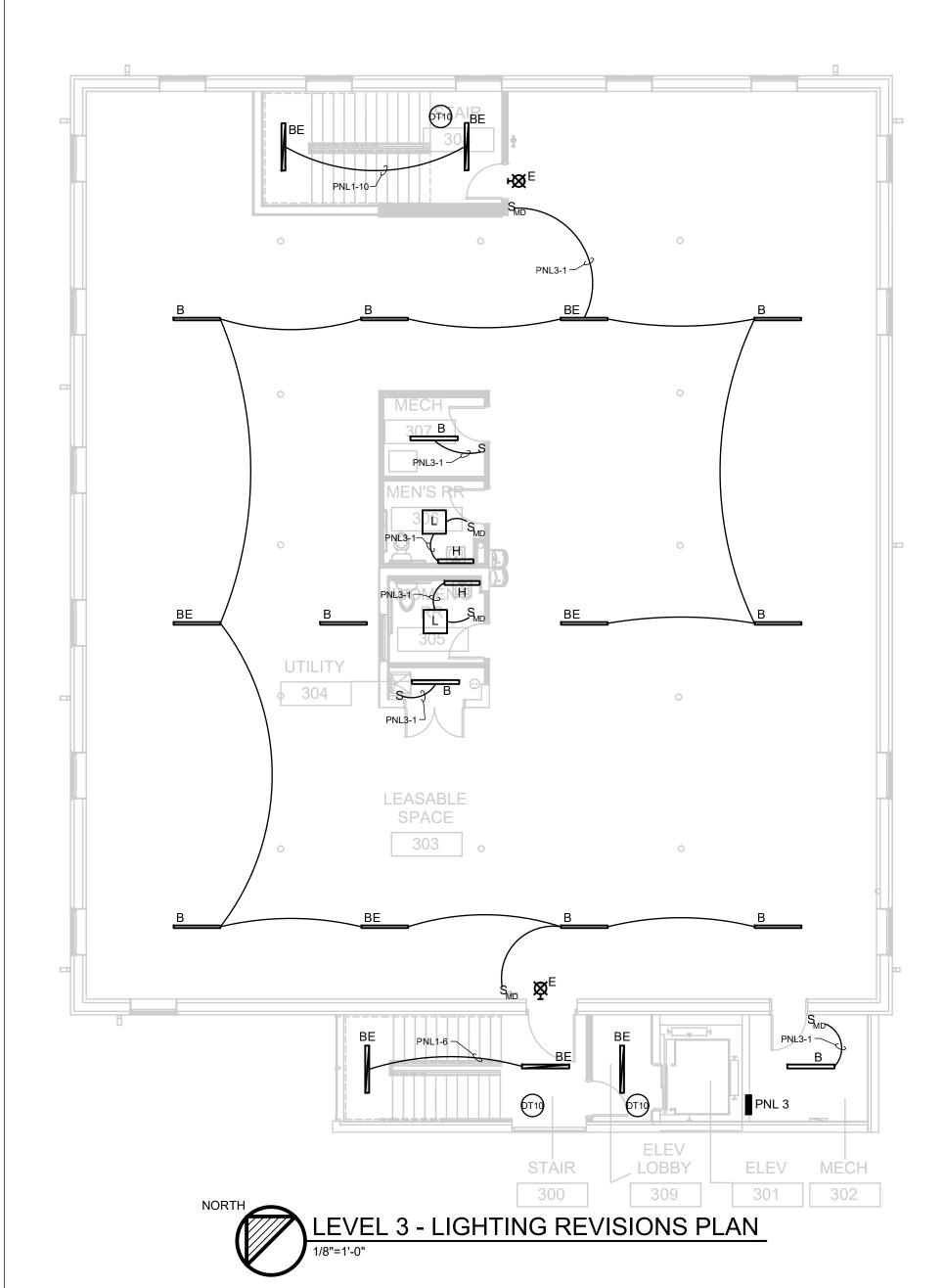
KITCHEN PROJECT ADDRESS 30 W VAN BUREN ST, BATTLE CREEK, MI

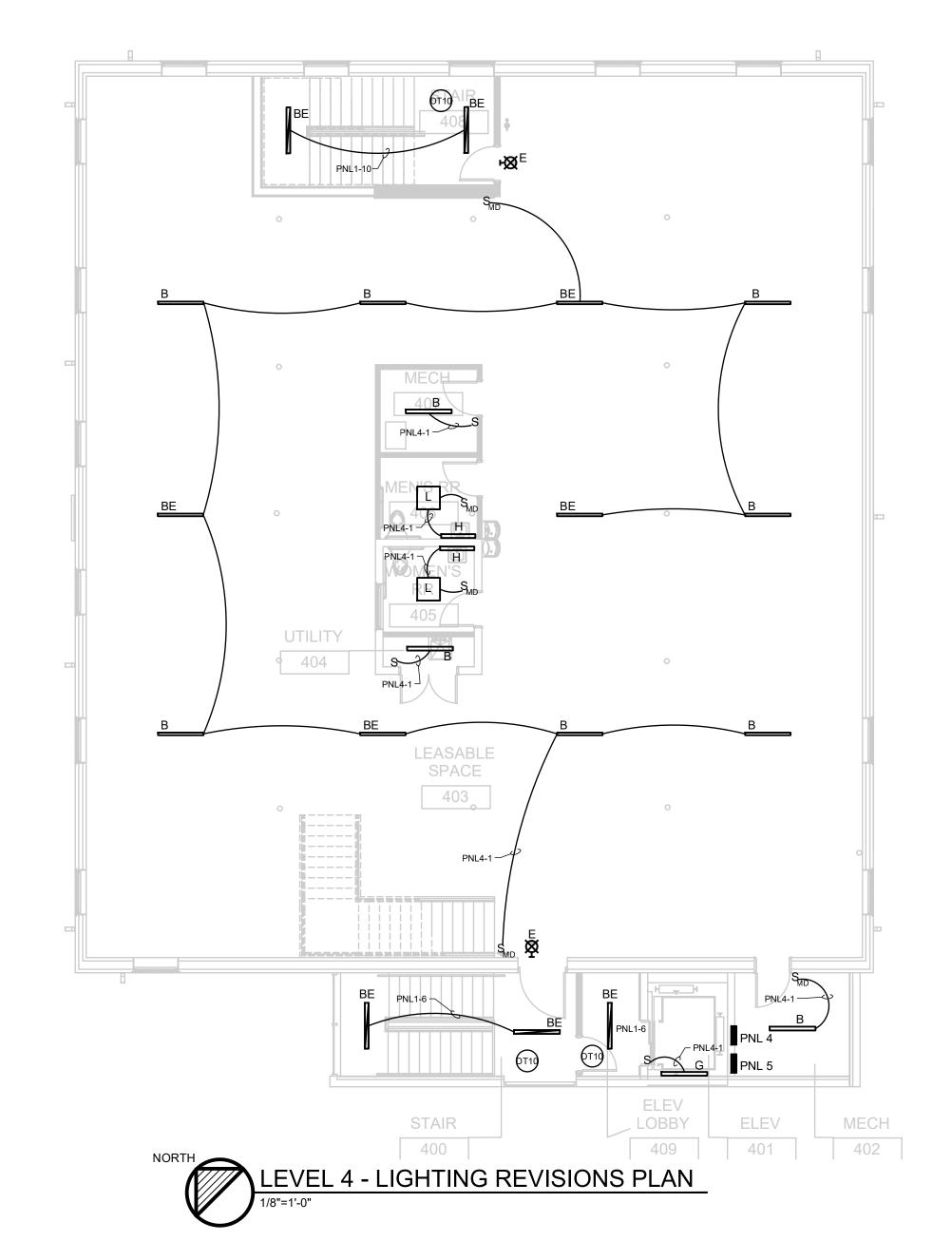
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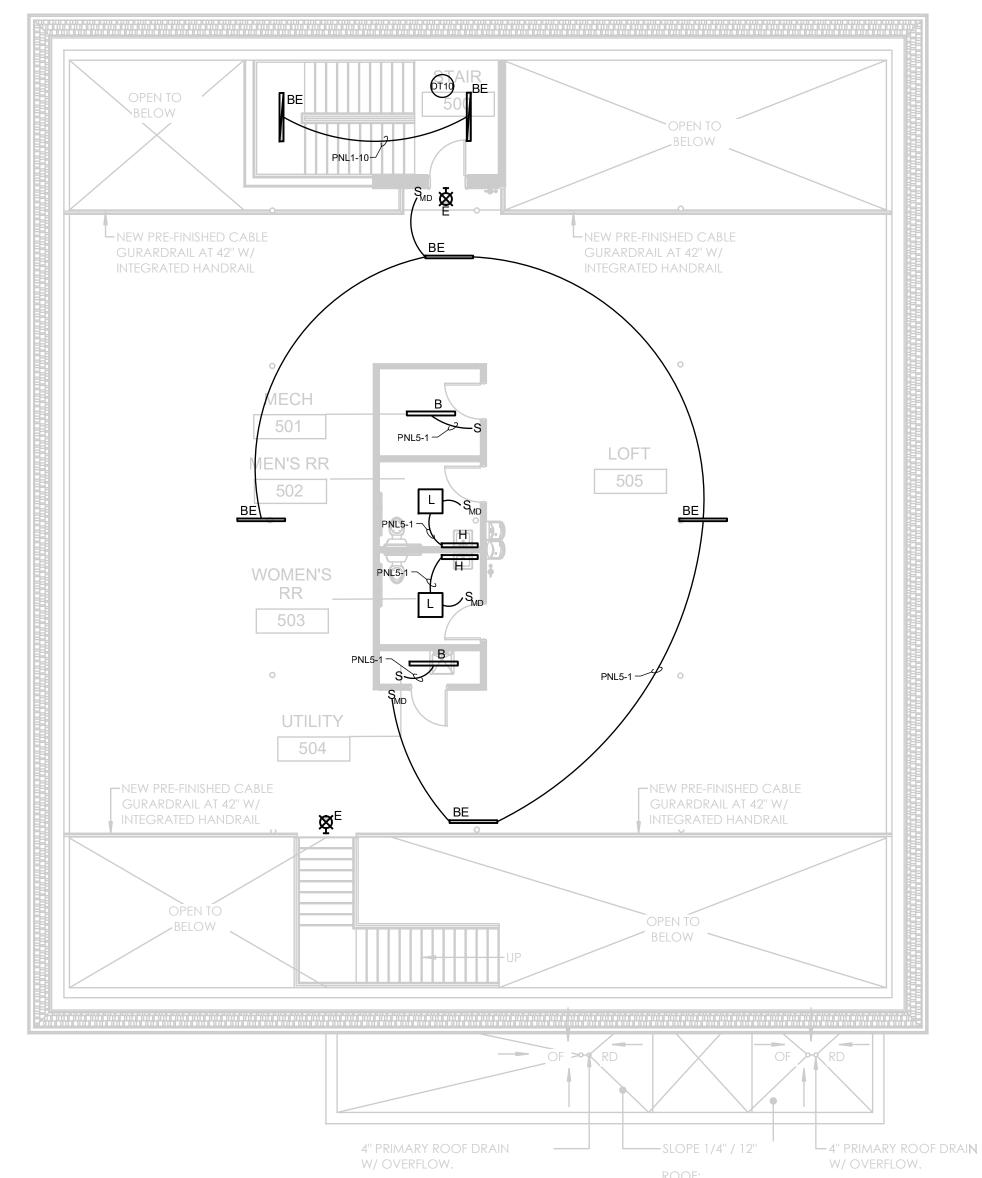
DATE 02/01/2022 scale As indicated

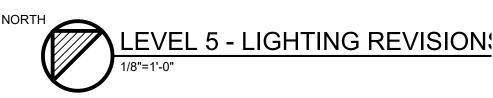
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LIGHTING REVISIONS PLANS E201

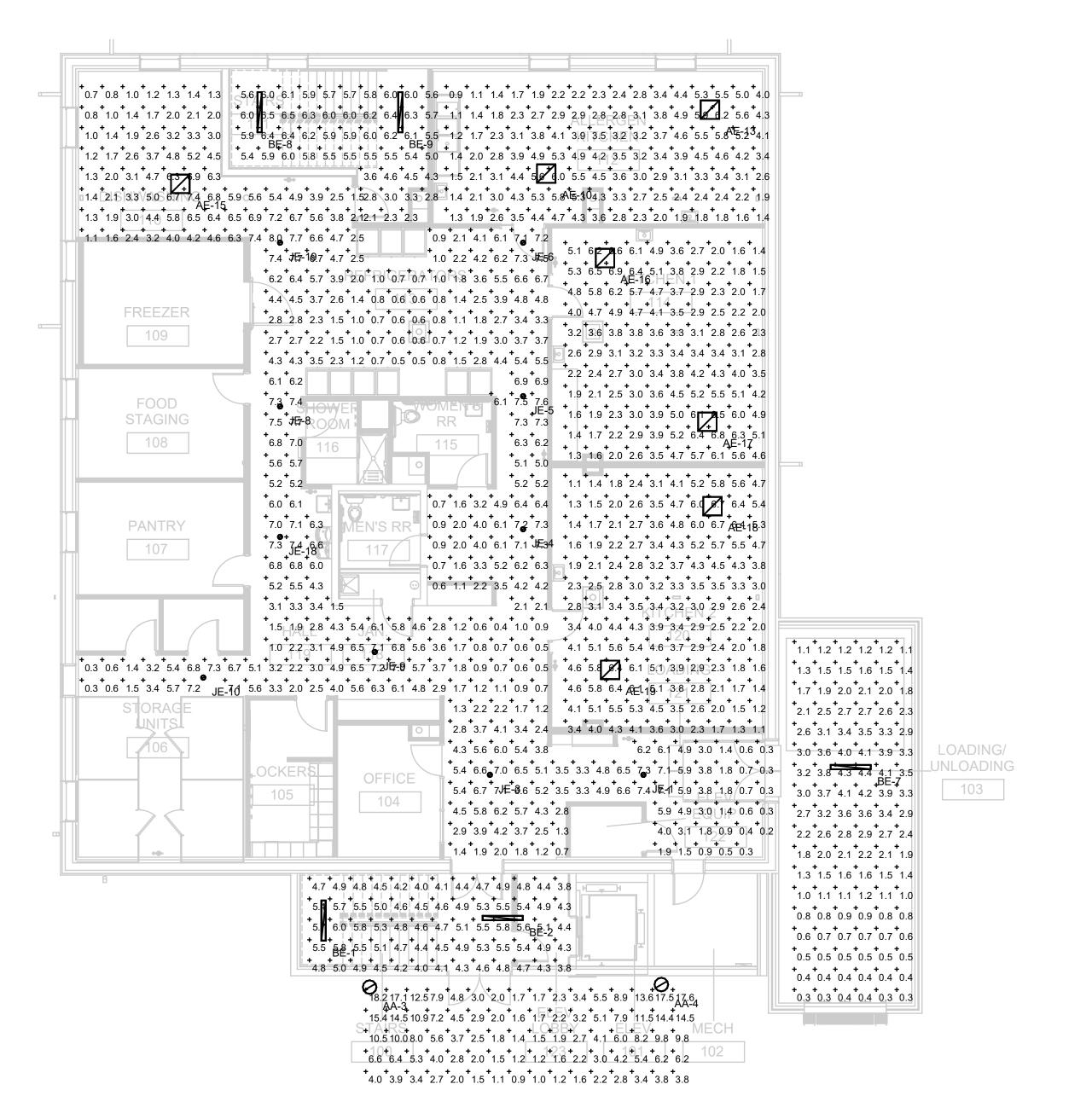


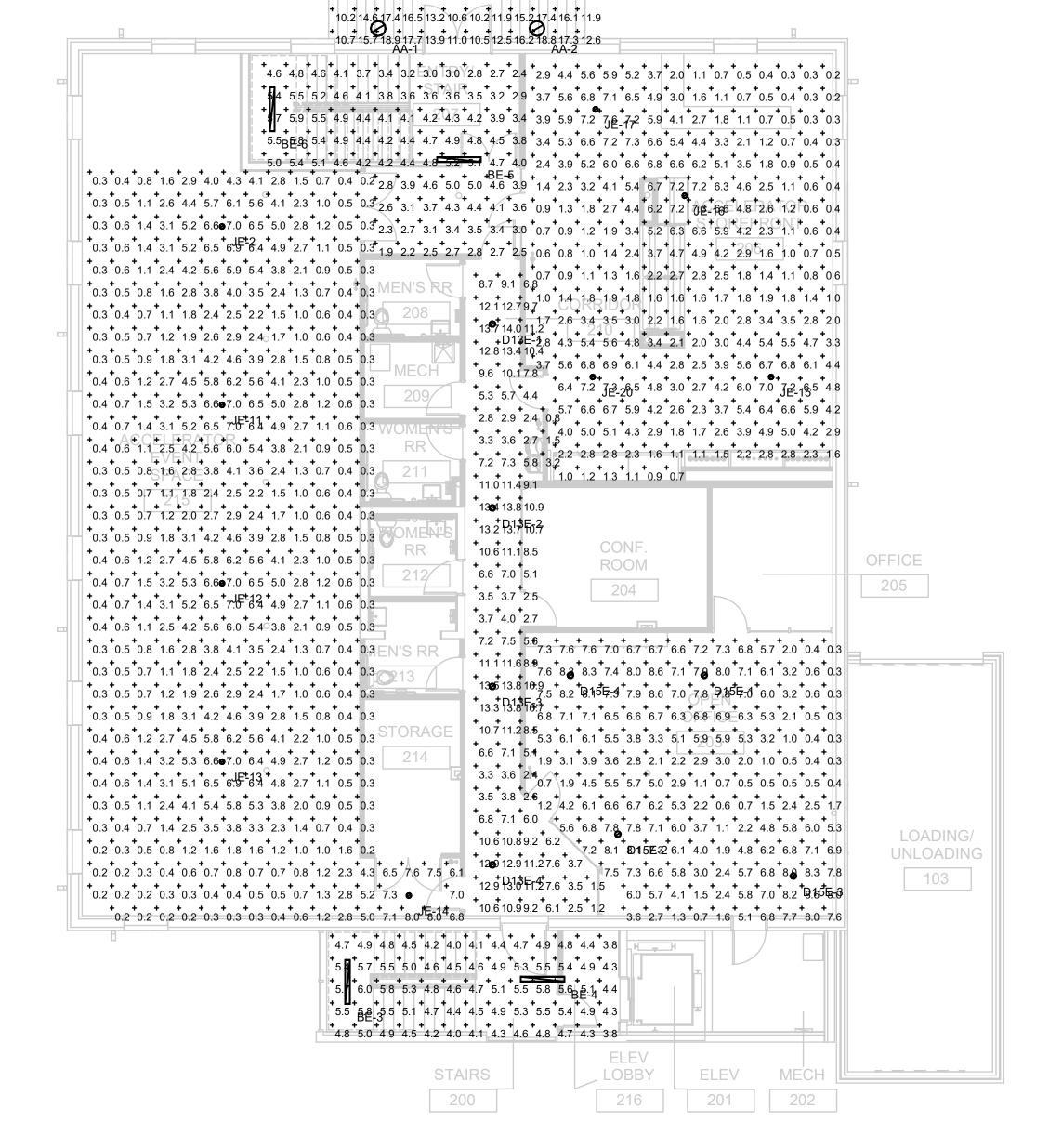






Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Accelerator Event Space	+	2.2 fc	8.0 fc	0.2 fc	40.0:1	11.0:1
Allergen Kitchen	+	3.3 fc	6.2 fc	0.9 fc	6.9:1	3.7:1
Corridor	+	3.7 fc	8.0 fc	0.2 fc	40.0:1	18.5:1
Corridor	+	8.0 fc	14.0 fc	0.8 fc	17.5:1	10.0:1
Exit	+	5.5 fc	18.2 fc	0.9 fc	20.2:1	6.1:1
Exit	+	13.0 fc	18.9 fc	8.0 fc	2.4:1	1.6:1
Kitchen	+	3.8 fc	6.9 fc	1.3 fc	5.3:1	2.9:1
Kitchen	+	3.6 fc	6.7 fc	1.1 fc	6.1:1	3.3:1
Loading	+	1.9 fc	4.4 fc	0.3 fc	14.7:1	6.3:1
Open Office	+	4.8 fc	8.6 fc	0.3 fc	28.7:1	16.0:1
Stairs	+	5.3 fc	6.5 fc	2.1 fc	3.1:1	2.5:1
Stairs	+	4.9 fc	6.0 fc	3.8 fc	1.6:1	1.3:1
Stairs	+	4.9 fc	6.0 fc	3.8 fc	1.6:1	1.3:1
Stairs/Entry	+	4.0 fc	5.9 fc	1.9 fc	3.1:1	2.1:1
Storefront	+	3.3 fc	7.6 fc	0.2 fc	38.0:1	16.5:1





*8.0 *10.9 12.7 12.3 10.5 8.9 *8.6 *9.7 *11.5 12.7 11.7 9.1







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REVISION

DRAWN DCT

DATE 02/01/2022

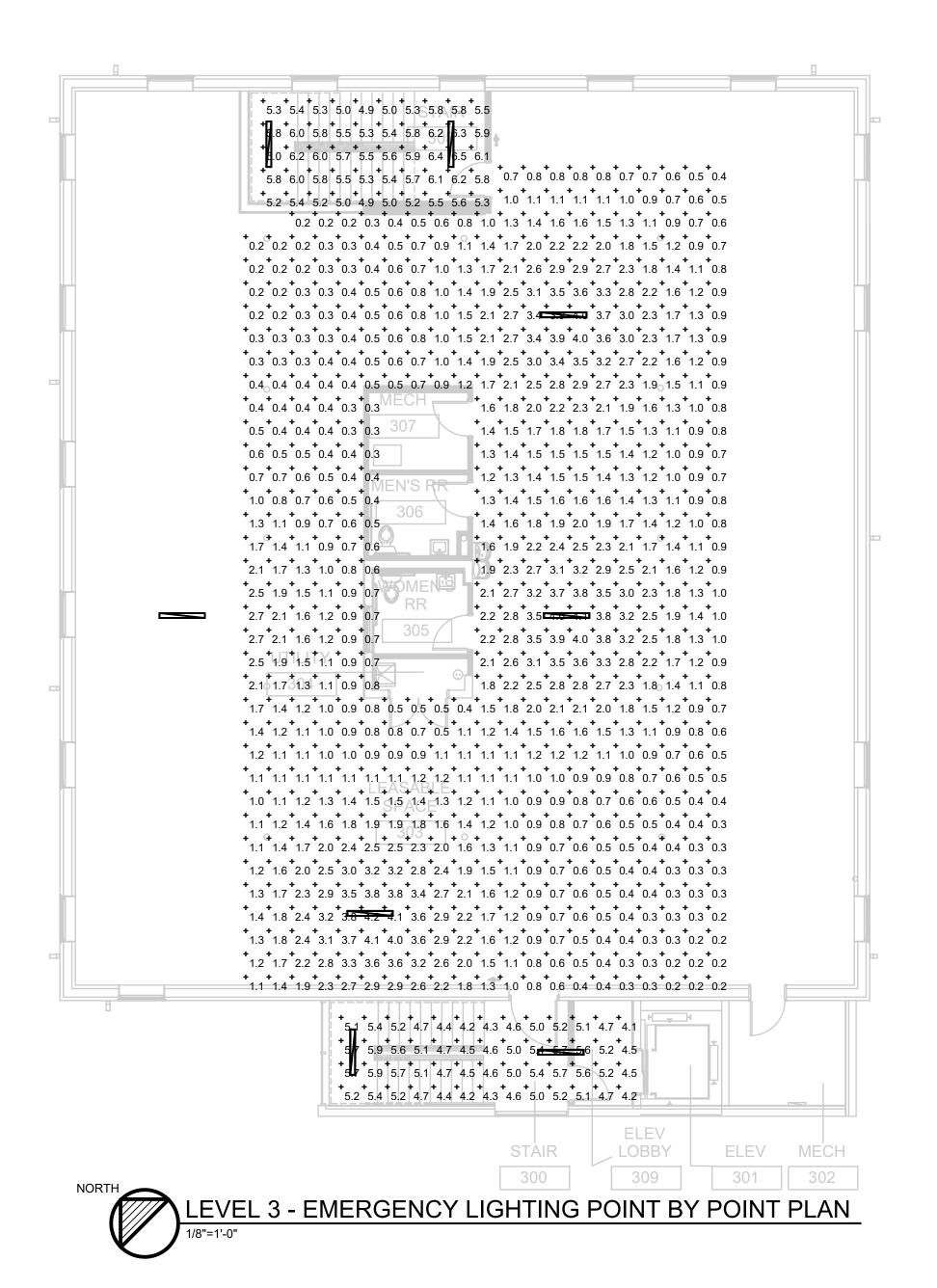
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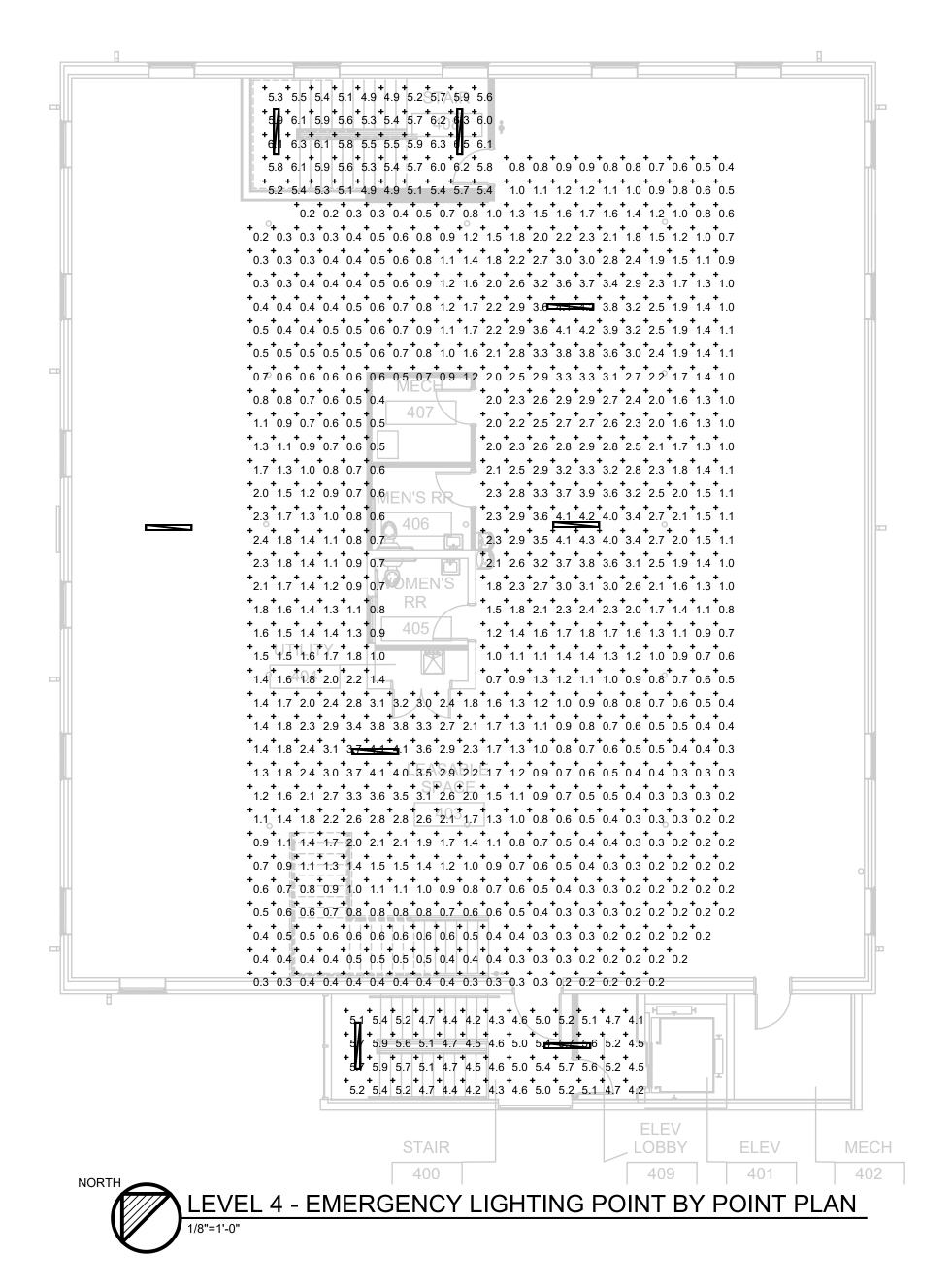
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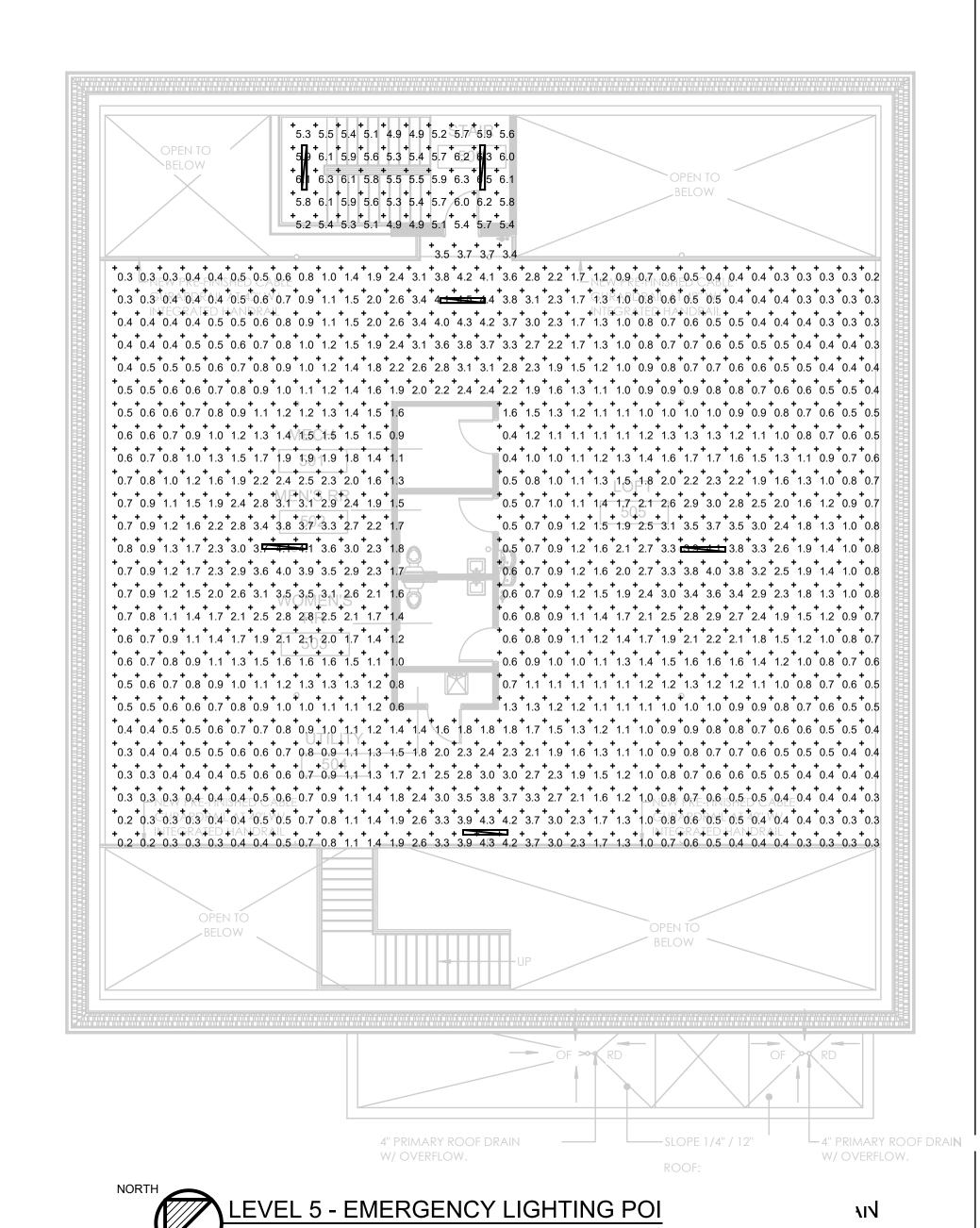
PROJECT NUMBER 2020.4.

EMERGENCY LIGHTING PT BY PT PLANS

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Leaseable Space	+	1.4 fc	4.3 fc	0.2 fc	21.5:1	7.0:1
Leaseable Space	+	1.4 fc	4.5 fc	0.2 fc	22.5:1	7.0:1
Leaseable Space	+	1.4 fc	4.2 fc	0.2 fc	21.0:1	7.0:1
Stairs	+	5.6 fc	6.5 fc	4.9 fc	1.3:1	1.1:1
Stairs	+	5.6 fc	6.5 fc	4.9 fc	1.3:1	1.1:1
Stairs	+	5.6 fc	6.5 fc	4.9 fc	1.3:1	1.1:1
Stairs	+	5.0 fc	5.9 fc	4.1 fc	1.4:1	1.2:1
Stairs	+	5.0 fc	5.9 fc	4.1 fc	1.4:1	1.2:1







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PROJECT ADDRESS

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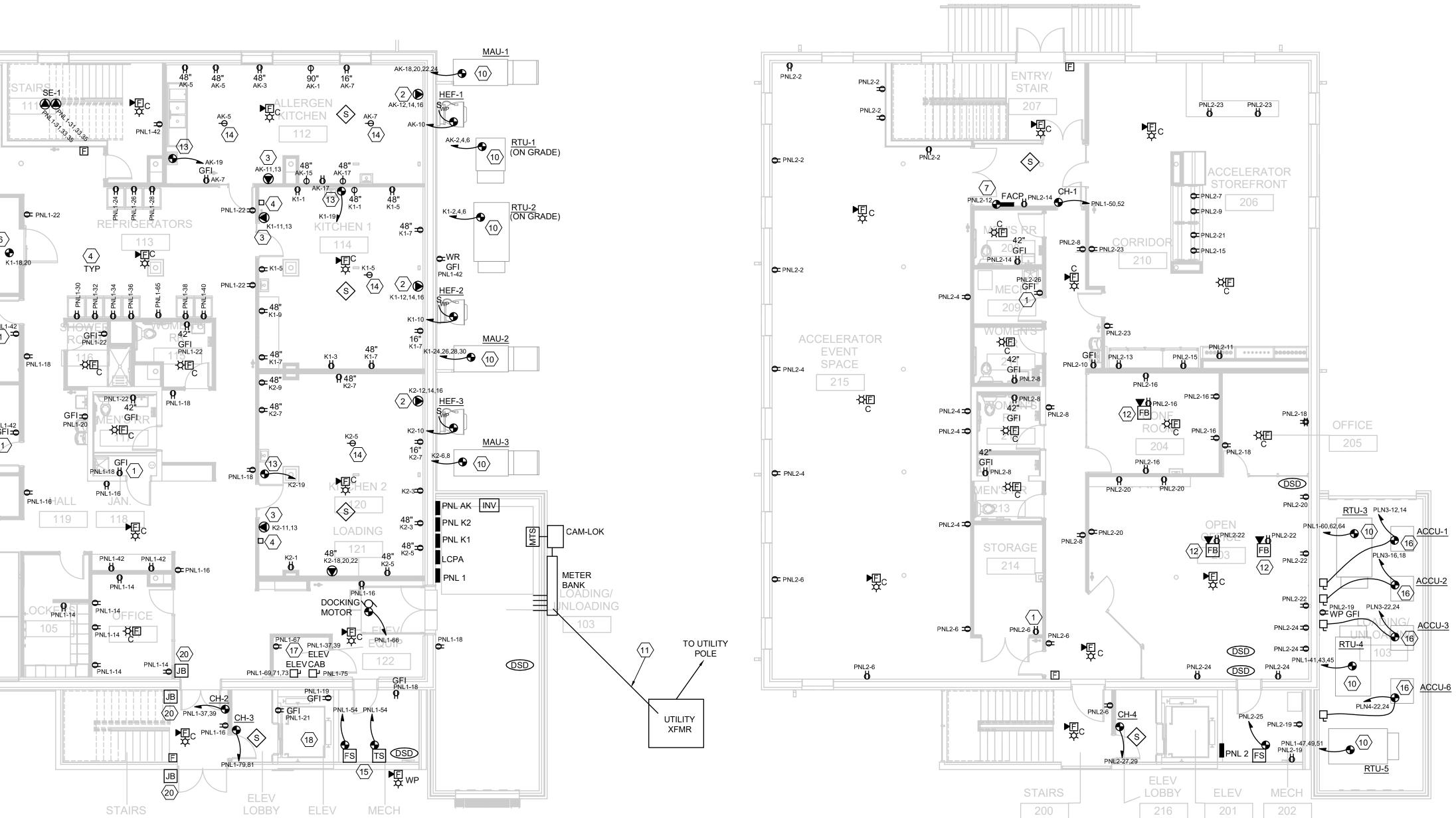
DRAWN BY DCT
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PROJECT NUMBER 2020.4.F

EMERGENCY LIGHTING PT BY PT PLANS

- 1. PROVIDE A DEDICATED NEUTRAL FOR EACH CIRCUIT.
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100

123 101 102

DISHWASHING

PNL1-25,27,29

COMPRESSOR

FOOD

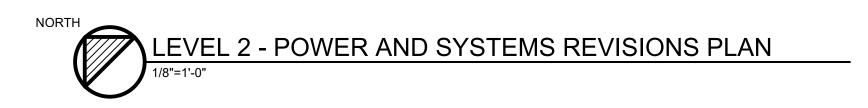
STAGING

108

PANTRY

107

K1-22 FREEZER



1 MOUNT THE RECEPTACLE IN THE SAME BOX AS THE LIGHT SWITCH.

KEYED NOTES

- $\langle 2 \rangle$ COORDINATE FINAL NEMA CONFIGURATION WITH INSTALL GUIDE FOR
- KITCHEN EQUIPMENT.
- (3) THIS CONNECTION SHALL BE INTENDED FOR THE HOODANSUL AND ASSOCIATED EQUIPMENTS. THIS SHALL INCLUDE THE HOOD, EXHAUST FAN AND CURB, AND THE MAKE UP AIR UNIT. EC SHALL CONNECT LIGHTS AND HEAT SENSOR SHIPPED LOSE WITH THE HOOD.
- 4 FURNISH AND INSTALL A FEED THROUGH GFCI DEVICE WITH AN ALARM FOR THE REFRIGERATOR RECEPTACLE. THE DESIGN INTENT IS FOR THIS DEVICE TO ACT AS THE GFCI PROTECTION FOR THE REFRIGERATOR RECEPTACLE.
- $\langle 5 \rangle$ THESE CIRCUITS SHALL FEED THE FREEZER HEAT TAPE AND COIL VERIFY THE NEMA CONFIGURATION NEEDED FOR THE COIL WITH THE KITCHEN VENDORS SPEC SHEETS.
- $\langle 6 \rangle$ THIS CIRCUIT IS INTENDED FOR THE WALK IN FREEZER DOOR.
- $\langle 7 \rangle$ PROVIDE A BREAKER LOCK FOR THIS CIRCUIT.
- $\langle 8 \rangle$ THESE CIRCUITS ARE INTENDED FOR THE DISHWASHER THE DRAIN WATER TEMPERING KIT, AND EXHAUST FAN.
- $\langle 9 \rangle$ THIS CIRCUIT IS INTENDED FOR THE DISPOSAL UNIT. COORDINATE FINAL LOCATION AND NEMA CONFIGURATION PRIOR TO THE ROUGH-IN.
- 10 TERMINATE THIS POWER CONNECTION TO THE FACTORY MOUNTED DISCONNECT.
- (11) EC SHALL SAW CUT EXISTING PARKING LOT FOR THE NEW SECONDARY FEEDS TO THE UTILITY TRANSFORMER. TRENCH THE ROUTES SO THAT THE CONDUIT RUN IS A MINIMUM 24" UNDERGROUND.
- (12) THE DESIGN INTENT IS FOR THESE FLOOR BOXES TO FEED THE DESKS IN THE OPEN OFFICE SPACE. COORDINATE FINAL INSTALL LOCATION WITH ARCHITECTURAL OFFICE FURNITURE LAYOUT PRIOR TO ROUGH IN. COORDINATE WITH STRUCTURAL TO PERFORM AN X-RAY OF THE EXISTING FLOOR TO AVOID DAMAGING ANY STRUCTURAL MEMBERS IN THE FLOOR OR CEILING SPACE BELOW.
- \langle 13angle THIS DEVICE CONNECTION IS FOR THE FIRE PROTECTION SYSTEM PANEL. PANEL TO BE SUPPLIED BY OTHERS. EC SHALL BE RESPONSIBLE FOR INSTALLING AND TERMINATING THE SHUNT TRIP SHUTOFF FOR ALL EQUIPMENT UNDER THE HOOD. EC SHALL FURNISH AND INSTALL A SHUNT TRIP BREAKER FOR ALL LOADS EXCLUDING THE EXHAUST FAN UNDER THE
- (14) EC SHALL PROVIDE A DROP CORD ASSEMBLY WITH A TWIST LOCK. CENTER THIS RECEPTACLE OVER THE WORK TABLE IN THE KITCHEN.
- (15) COORDINATE FLOW AND TAMPER SWITCH LOCATIONS PRIOR TO ROUGH IN PHASE. EC SHALL BE RESPONSIBLE FOR FINAL TERMINATION OF POWER AND TIE IN TO THE FIRE ALARM SYSTEM.
- (16) TERMINATE THIS POWER CONNECTION TO THE WALL MOUNTED DISCONNECT. MOUNT THE DISCONNECT TO MEET ALL NEC SPACING STANDARDS.
- (17) ELEVATOR POWER AND ELEVATOR CAB DISCONNECTS. INSTALL A 30" WIDE BY 12" DEEP 30" TALL LOCKBLE CABINET.
- $\langle 18 \rangle$ FURNISH AND INSTALL A NON FUSED DISCONNECT AT THE TOP OF THE HOISTWAY TO FEED THE ELEVATOR CONTROLLER. COORDINATE LOCATION WITH ELEVATOR VENDOR PRIOR TO ROUGH IN. INTERCONNECT ELEVATOR PRESIGNAL WITH THE MTS.
- $\langle 19 \rangle$ FIRE RISER SHALL BE DESIGNED BY THE FIRE PROTECTION SYSTEM CONTRACTOR. COORDIANT FLOW SWITCHES PRIOR TO ROUGH IN.
- PROVIDE A ROUGH IN FOR THE ADA BUTTON FOR THE DOOR. FIELD COORDINATE FINAL MOUNTING LOCATION PRIOR TO ROUGH IN. PROVIDE A SPARE 1" CONDUIT WITH A PULL STRING TO THE MOTOR LOCATION.

DRIVEN DESIGN

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PROJECT NAME SOUTHWEST MICHIGAN ACCELERATOR

30 W VAN BUREN ST, BATTLE CREEK, MI

ALPHA CENTER

PROJECT ADDRESS

ISSUED FOR PERMIT

DATE 02/01/2022

scale As indicated

PROJECT 2020.45

POWER AND SYSTEMS REVISIONS PLANS

- 1. PROVIDE A DEDICATED NEUTRAL FOR EACH CIRCUIT.
- 2. LABEL ALL DEVICE COVER PLATES WITH PANEL AND CIRCUIT NUMBER. UTILIZE CLEAR ADHESIVE LABEL WITH BLACK TYPE WRITTEN TEXT.
- 3. EC SHALL VERIFY FINAL EQUIPMENT LOCATIONS WITH THE FOOD VENDOR PRIOR TO ROUGH-INS.
- 4. COORDINATE WITH STRUCTURAL TO X-RAY FLOOR PRIOR TO ANY PENETRATIONS TO AVOID DAMAGING STRUCTURAL MEMBERS.
- 5. ALL KITCHEN RECEPTACLES SHALL BE HORIZONTALLY MOUNTED AND GFCI PROTECTED UNLESS OTHERWISE NOTED.
- 6. THE DESIGN INTENT IS FOR ALL SURFACE CONDUIT TO BE CONCEALED BY CEILINGS WHERE POSSIBLE. PAINTED TO MATCH THE SURFACE ELSEWHERE. NO CONDUIT SHALL BE INSTALLED ON THE SURFACE OF THE EXTERIOR OF THE BUILDING. NO SURFACE CONDUIT SHALL BE ALLOWED ON NEW CONSTRUCTION WALLS.

MEN'S RR

WOMEN'S RR _

503

UTILITY 504

500L1-44,46,48

KEYED NOTES

- $\langle 1 \rangle$ MOUNT THE RECEPTACLE IN THE SAME BOX AS THE LIGHT SWITCH.
 - 2 TERMINATE THIS POWER CONNECTION TO THE WALL MOUNTED DISCONNECT. MOUNT THE DISCONNECT TO MEET ALL NEC SPACING STANDARDS.
- 3 FURNISH AND INSTALL (2) 2" CONDUIT SLEEVES THRU FLOOR FOR FUTURE LOW VOLTAGE CABLING.
- FIRE RISER SHALL BE DESIGNED BY THE FIRE PROTECTION SYSTEM CONTRACTOR. COORDIANT FLOW SWITCHES PRIOR TO ROUGH IN.

GURARDRAIL AT 42" W/

LOFT 505

NEW PRE-FINISHED CABLE GURARDRAIL AT 42" W/ INTEGRATED HANDRAIL



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PROJECT NAME
SOUTHWEST MICHIGAN ACCELERATOR KITCHEN
PROJECT ADDRESS
30 W VAN BUREN ST, BATTLE CREEK, MI

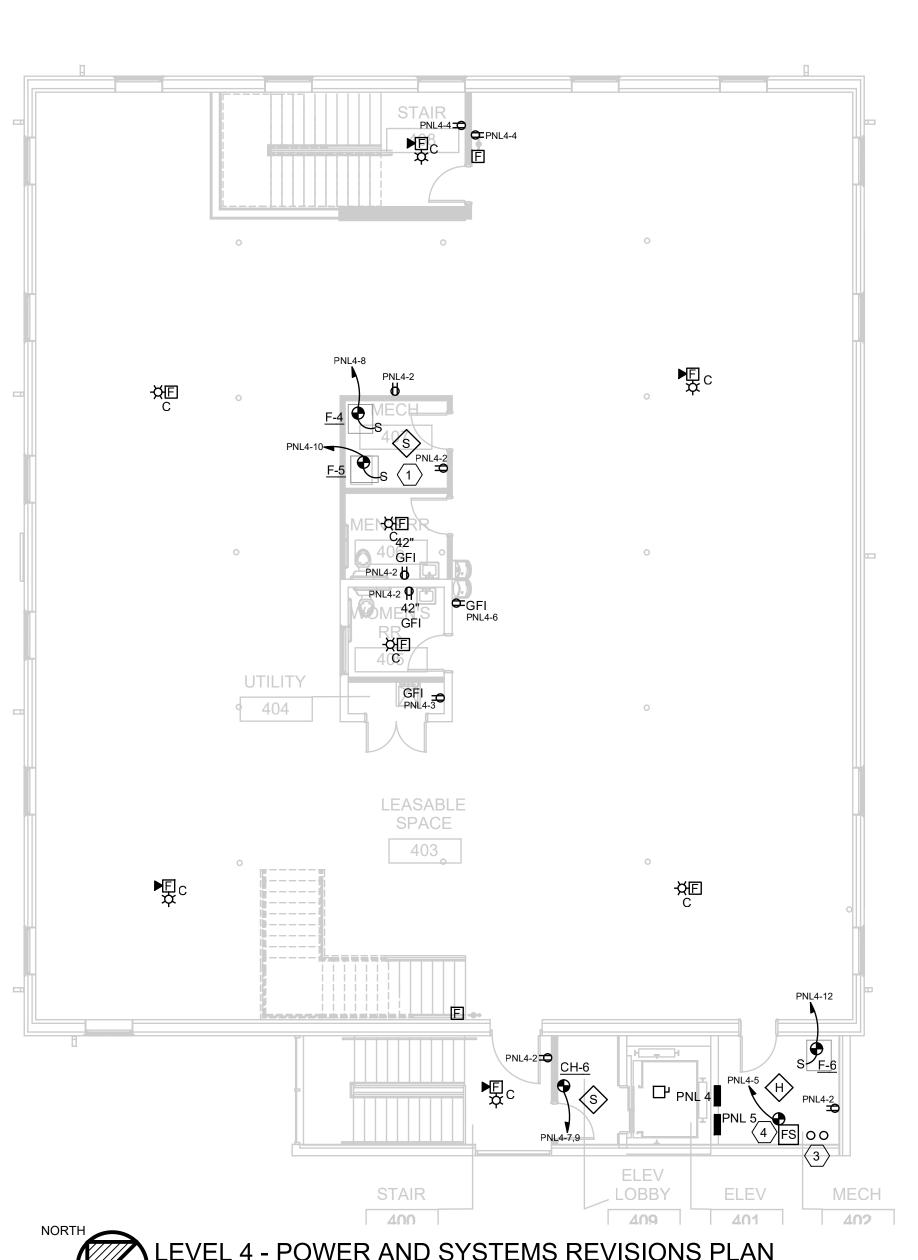
DATE 02/01/2022

scale As indicated

PROJECT NUMBER 2020.45

POWER AND SYSTEMS REVISIONS PLANS

E301

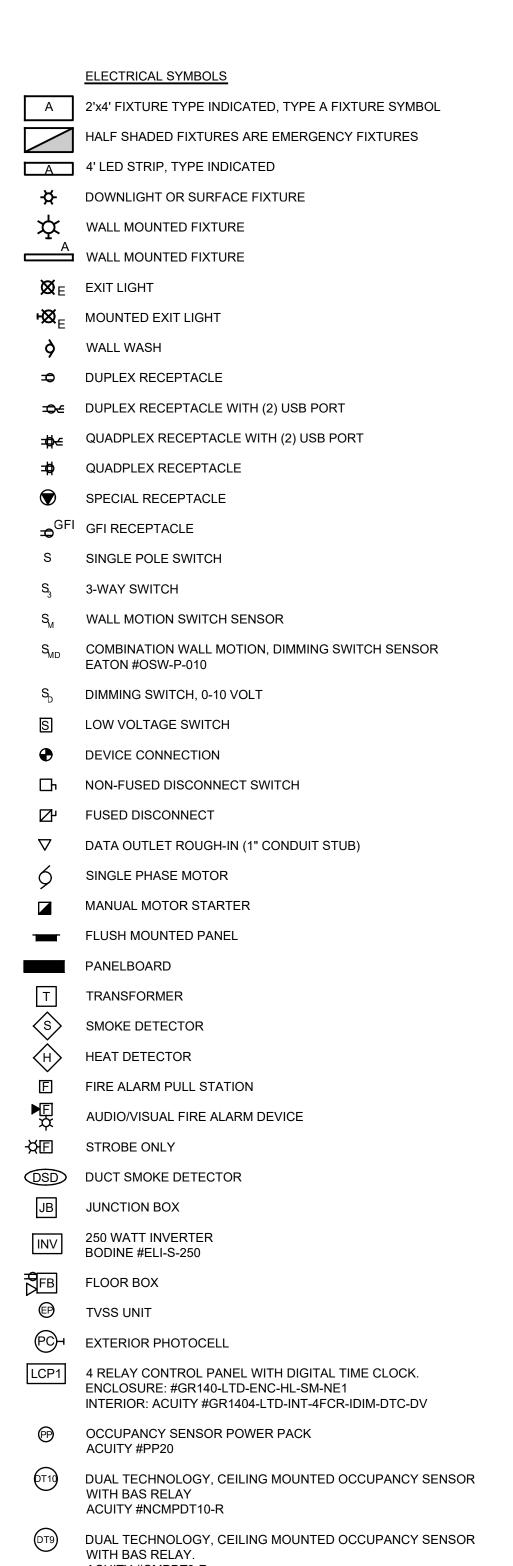


• 304

LEASABLE SPACE 303 °

LEVEL 3 - POWER AND SYSTEMS REVISIONS PLAN

LEVEL 4 - POWER AND SYSTEMS REVISIONS PLAN



ACUITY #CMPDT9-R
DENOTES WEATHER PROOF
ABOVE FINISH FLOOR

ELECTRICAL CONTRACTOR

EX EXISTING

GFI GROUND FAULT CIRCUIT INTERRUPTER

MTS MANUAL TRANSFER SWITCH

AFG ABOVE FINISHED GRADE

NEC NATIONAL ELECTRIC CODE

WR WEATHER RESISTANT

LIGHTING CONTROL PANEL SCHEDULE

4 RELAY, NORMALLY OPEN LATCHING, DUAL VOLTAGE WITH 2 WIRE OUTDOOR PHOTOSENSOR ACUITY#GR1404-LT-RNC-SMNE1-GR1404LTINT4RELAY-NOL-REMOTE-DV-PCELL2WOBB

LIGHT FIXTURE SCHEDULE

A 2X2 LED FLAT PANEL. 4800 LUMEN, 120 V, 3000°K, 36 WATT, 0-10 VOLT DIMMING, ALUMINUM FRAME WITH A WHITE FINISH. LITHONIA #EPANL-2X2-4800LM-80CRI-30K-MIN10-ZT-MVOLT.

AE SAME AS TYPE "A" EXCEPT WITH A 10 WATT EMERGENCY BATTERY.

4' LED STRIP LIGHT. 5000 LUMEN, 3000°K, 35.4 WATT, 120 VOLT, GENERAL DISTRIBUTION, WIDE DIFFUSE ACRYLIC LENS, 80 CRI WITH A LITHONIA #CLX-L48-5000LM-SEF-WDL-MVOLT-GZ10-30K-80CRI.

BE SAME AS TYPE "B" EXCEPT WITH A 10 WATT EMERGENCY BATTERY.

BB SAME AS TYPE "B" EXCEPT WITH A BLACK FINISH.

C4 SAME AS TYPE "C8" EXCEPT 4'-0" IN LENGTH.

C8 8-0" RECESSED, LED 2" WIDE LINEAR FIXTURE. FLUSH, SATIN LENS, 625 LUMENS PER FOOT, 10.7 WATTS PER FOOT. 3000°K, 80 CRI, SINGLE CIRCUIT, 120/277 VOLT, 0-10 VOLT DIMMING, SUITABLE FOR A GYP CEILING, WITH A MATTE WHITE HOUSING. FOCAL POINT #FSM2L-FL-625LF-30K-1C-UNV-LD1-TF-WH-8FT-0IN

C9 SAME AS TYPE "C8" EXCEPT 9'-0" IN LENGTH.

C10 SAME AS TYPE "C8" EXCEPT 10'-0" IN LENGTH.

C11 SAME AS TYPE "C8" EXCEPT 11'-0" IN LENGTH.

C15 SAME AS TYPE "C8" EXCEPT 15'-0" IN LENGTH.

D13 6" LED SURFACE MOUNTED CYLINDER. 1300 LUMEN, 12 WATT, 120V, 0-10V DIMMING, 3000°K, 80 CRI, WIDE DISTRIBUTION, HYPERBOLIC REFLECTOR, WITH A SPECULAR CLEAR FINISH AND A BLACK HOUSING. INDY #LC6-S-13LM-30K-120-G4-80CRI-ZT- HW-CS-BLPEN

D13E SAME AS TYPE "D13" EXCEPT WITH AN EMERGENCY BATTERY.

D15 SAME AT TYPE "D13" EXCEPT 1500 LUMEN, 14 WATT.

D28 SAME AT TYPE "D13" EXCEPT 2800 LUMEN, 28.5 WATT.

LED EXIT SIGN. BRUSHED ALUMINUM FINISH. RED LETTERS ON A CLEAR BACKGROUND. 120 VOLT, SINGLE FACE, BACK MOUNTED WITH A NICKEL CADMIUM BATTERY. LITHONIA #LRP-1-RC-120/277-ELN.

F NOT USED.

G 4' LED VAPORTIGHT ELEVATOR PIT LIGHT. 5000 LUMEN =, 49 WATTS, 4000°K, 120-277 VOLT, GASKETED, HIGH IMPACT RESISTANT HOUSING. LITHONIA #XVML-L48-5000LM-MVOLT-40K-80CRI

H 3' LED VANITY FIXTURE. 3000°K, 120-277V, 35 WATT, 2187 LUMEN, MATTE BLACK FINISH. TECH LIGHTING #700BCBND-36-B-LED930.

I NOT USED.

4.5" LED PENDANT CYLINDER. 3000 LUMEN, 3000°K, 30 WATT, 120/277V, 0-10 VOLT DIMMING, 80 CRI, 1 CIRCUIT, 2' SWIVEL STEM, VERY WIDE FLOOD, CLEAR DIFFUSE REFLECTOR, BLACK FINISH BLACK CORD WITH WHITE GLOW. FOCAL POINT #FLCY4-RD-BKG-3000L-30K-1C-UNV-LZ1-VWFL-CD-BK.

JE SAME AS TYPE "J" EXCEPT WITH AN EMERGENCY BATTERY.

LED SYRMA PENDANT FIXTURE. 17.4 WATT, 461 LUMEN, 3000°K, 120/277V 0-10 VOLT DIMMING, WITH A MATTE BLACK FINISH. TECH LIGHTING #700TD-B-LED930.

L SAME AS TYPE "A" EXCEPT 4000 LUMEN.

AA LED RLM FIXTURE. WET LOCATION LISTED, 16" SHADE, 2700 LUMEN, 18 WATT, 3000°K, 0-10VOLT DIMMING, 120/277V, 4" FROSTED DOME ENCLOSURE. WALL MOUNTED. MATTE WHITE INTERIOR WITH A BLACK FINISH AND FRONT WALL MOUNTING. SPECTRUM LIGHTING #WS1610LW-27L-30K-DS10X-TF2-PA16--MWI-MB

FLOOR BOX SCHEDULE

DUAL SERVICE FIRE RATED POKE THRU FLOOR BOX. COVER WITH (2) DECORA OPENINGS. (1) FOR DATA AND (1) FOR POWER. STAINLESS STEEL HUBBELL SYSTEM ONE #SIPT3IMAL-SISP-SICFCAL

CAM LOCK CABINET SCHEDULE

ASCO #J-03M,TS-A-3-0400-M

400 AMP, 208 VOLT, 3 PHASE, 4 WIRE, 3 POLE CAM LOCK LOAD BANK CABINET. NEMA 3R ENCLOSURE. ASCO# 3QC-N-C-A-A-3-0400-F-00-F

MTS SCHEDULE

400A MANUAL TRANSFER SWITCH. 208 VOLT RATED, SOLID NEUTRAL, 3 PHASE, TYPE 3R LOCKABLE CABINET WITH AN EMERGENCY ELEVATOR **PRESIGNAL**

LOAD SUMMARY IGHTING 8.36 KW HVAC 171.9 KW ELEVATOR 17.27 KW RECEPTACLES 10.0 KW RECEPTACLE DIVERSITY 40.84 KW

LCPA RELAY SWITCH **FUNCTION** CIRCUIT PC DUSK TO DAWN THROUGH PHOTOCELL PNL1-12

248.46 KW @ 208V, 3Ø = 690 FLA

LIGHTING CONTROL EXECUTIVE SUMMARY

THE FOLLOWING IS A SPACE BY SPACE DESIGN INTENT SUMMARY FOR LIGHTING CONTROLS. ALL LIGHTING CONTROL DESIGN IS MADE IN COMPLIANCE WITH MICHIGAN ENERGY CODE 2015 AND ASHRAE 2013.

STORAGE ROOMS/LEASABLE SPACE

- LIGHTING CONTROL SHALL BE DONE THROUGH WALL BOX OCCUPANCY
- LIGHTING SHALL BE MANUAL ON, AUTOMATIC OFF AFTER 20 MINUTES OF INACTIVITY. ACTIVITY SHALL BE DETERMINED BY THE OCCUPANCY SENSOR IN THE WALL BOX.

KITCHEN/ACCELERATOR EVENT SPACE

- LIGHTING CONTROL SHALL BE DONE THROUGH LOW VOLTAGE SWITCHES, OCCUPANCY SENSORS AND A POWER PACK.
- LIGHTING SHALL BE MANUAL ON, AUTOMATIC OFF AFTER 20 MINUTES OF INACTIVITY. ACTIVITY SHALL BE DETERMINED BY CEILING MOUNTED DUAL TECHNOLOGY SENSORS.
- BI-LEVEL LIGHTING CONTROL SHALL BE DONE THROUGH THE DIMMING FUNCTION OF THE LOW VOLTAGE SWITCH.
- THE LOW VOLTAGE SWITCH SHALL BE A (3) BUTTON MODEL AND SHALL BE ENGRAVED. THE SWITCH SHALL CONTROL THE LIGHTING AS FOLLOWS:

- ON/OFF - RAISE - LOWER

CORRIDORS/PASSAGE

- LIGHTING CONTROL SHALL BE DONE THROUGH LOW VOLTAGE SWITCHES, OCCUPANCY SENSORS, AND POWER PACKS.
- LIGHTING SHALL BE AUTOMATIC ON, AUTOMATIC OFF AFTER 20 MINUTES OF INACTIVITY. ACTIVITY SHALL BE DETERMINED BY CEILING MOUNTED OCCUPANCY SENSORS.

8

'O'

0

TO PNL AK TO PNL K1 TO PNL K2 TO PNL AK TO PNL K1

XFMR PAD BY——

UTILITY COMPANY

TO UTILITY -

POLE BY EC

TO PNL 3 TO PNL 3 TO PNL 4 TO PNL 1 TO PNL 1 TO PNL 1

RTU-3

(1)#10 GND

1) #4 GND

(4) #500 —

(1) #3 GND 4"C

UTILITY XFMR

FURNISHED -

BY UTILITY

120/208V

TO MTS

CAM-LOK

CABINET

ROD

Ø

• LIGHTING SHALL DIM TO 50% AFTER 15 MINUTES OF INACTIVE. THE LOW VOLTAGE SWITCH SHALL BE A (2) BUTTON MODEL AND SHALL BE ENGRAVED. THE SWITCH SHALL CONTROL THE LIGHTING AS FOLLOWS:

> - ON - OFF

(2)#6, (1)#10 GND - 1"C ---

(3)#10, (1)#10 GND - 3/4"C

Ø

HEF-3

S

TO PNL AK TO PNL K1 TO PNL K2 TO PNL 1

\O

HEF-2

\O

MECHANICAL ROOM

LIGHTING CONTROL SHALL BE DONE WITH A LOCAL LINE VOLTAGE

LIGHTING SHALL BE MANUAL ON, MANUAL OFF.

OFFICE/CONFERENCE ROOM

- LIGHTING CONTROL SHALL BE DONE THROUGH A LOW VOLTAGE
- SWITCH WITH OCCUPANCY SENSOR AND DIMMING CAPABILITIES. LIGHTING SHALL BE MANUAL ON, AUTOMATIC OFF AFTER 20 MINUTES OF INACTIVITY. ACTIVITY SHALL BE DETERMINED BY THE WALL BOX OCCUPANCY SENSOR.
- BI-LEVEL LIGHTING CONTROL SHALL BE DONE BY THE CONTINUOUS DIMMING FUNCTION OF THE SWITCH.

(2)#6, (1)#10 GND - 1"C —

- (3)#6, (1)#10 GND - 1"C

CAM-LOK

1200A

MAIN

MCB

GND GND ROD

RISER DIAGRAM

400A

MCB

METER

^{_}#2/0 GND

MCB

METER

2ND

≻#2/0 GND STEEL

WATER

METER

FLOOR | FLOOR |

BUILDING

VALUE ENGINEER OPTIONS

TO PNL 4 TO PNL 5 TO PNL 5

(4)#500,(1)#4 GND - 4"C ——

200A

MCB

METER

FLOOR

SEC 1

SEC 2

(1) #6 GND

(1) FURNISH PANEL WITH A FEED THROUGH LUG

 $\langle 2 \rangle$ FURNISH AND INSTALL 3/4" X 10' GROUND RODS. INSTALL GROUND RODS 6' APART.

KIT FOR PANEL 1 SECTION 2.

KEYED NOTES

(1) #8 GND-

1 1/2"C

PNL

K1

MCB

METER

4TH

FLOOR

K2

200A

MCB

METER

3RD

\O

| 100 |

S

- 1. EC SHALL PROVIDE AN ALTERNATE LIGHT FIXTURE PACKAGE FOR OWNER REVIEW.
- 2. REMOVE FIXTURE TYPE "C" FROM THE SECOND FLOOR CORRIDOR.
- 3. LIGHT FIXTURE CONTROL VENDOR SHALL SUPPLY AN ALTERNATE TO LIGHTING CONTROLS.

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RISER DIAGRAM

	el 1 Section 1		E & TYPE:		MCB						.		Loading	Unloading 103	
		BUS RATI		A							FEEDER S				
		VOLTAGE		120 / 208	V 3	Ø,	4	WI	RE		FED FROM		Meter Ba	nk	
		MOUNTING		Surface	T			_			MIN RMS				
CKT #	CIRCUIT DESCRIPTION	A	OAD (KVA	A) C	AMPS / POLES	CKT #	TYPE!	[A	CKT #	AMPS / POLES		OAD (KV) B	A) C	CIRCUIT DESCRIPTION	CK #
	PNL K1	6.300	ь	J	100A	1	o	H	2	20A	1.365	Б		KITCHEN, LOADING, DISH LTS	2
	PNL K1	0.000	6.300		100/1	3	ŏ	귀	4	20A	1.000	0.100		ELEVATOR PIT LIGHTS	1 4
	PNL K1		0.500	6.300	3p	5	尚	귀	6	20A		0.100	0.521	SOUTH STAIR LTS	1 6
	PNL K2	6.390		0.000	100A	7	ŏ	귀	8	20A	1.200		0.021	CORRIDOR	1 8
	PNL K2	0.000	6.390		100/1	9	ŏ	귀	10	20A	1.200	0.700		NORTH STAIR LTS	10
	PNL K2		0.000	6.390	3р	11	ŏ	긤	12	20A		0.700	0.120	EXTERIOR LTS	12
	PNL AK	6.390		0.000	100A	13		R	14	20A	1.080		0.120	OFFICE RECEPTS	14
	PNL AK	0.000	6.390		100/1				16	20A	1.000	1.080		CORRIDOR RECEPTS	16
	PNL AK		0.000	6.390	3р	17	ō			20A		1.000	1.080	MECH. LOADING RECEPTS	18
	ELEVATOR SUMP PUMP	0.180		0.000	20A	19	R	_	20	20A	0.500		1.500	WATER FOUNTAIN	20
	ELEVATOR RECEPT	0.100	0.180		20A	21	-	R	22	20A	0.000	1.080		REST ROOM RECEPTS	22
-	FREEZER HEAT COIL		0.100	0.600	20A	23		R	24	20A		1.000	0.588	REFRIGERATORS	24
	FREEZER COMPRESSOR	1.800		0.000	20A	25	—	R	26	20A	0.588		0.000	REFRIGERATORS	26
	FREEZER COMPRESSOR	1.000	1.800		2071	27	-	R	28	20A	5.555	0.588		REFRIGERATORS	28
	FREEZER COMPRESSOR		1.000	1.800	3P	29	$\boldsymbol{\vdash}$	R	30	20A		0.000	0.588	REFRIGERATORS	30
	SEWAGE EJECTOR	0.300		1.000	20A	31	—	R	32	20A	0.588		0.000	REFRIGERATORS	32
	SEWAGE EJECTOR	0.000	0.300			33	—	R	34	20A	0.000	0.588		REFRIGERATORS	34
	SEWAGE EJECTOR		0.000	0.300	3P	35		R	36	20A		0.000	0.588	REFRIGERATORS	36
	CH-2	3.000		0.000	40A	37	_	R	38	20A	0.588		0.000	REFRIGERATORS	38
	CH-2	0.000	3.000		2P	39		R	40	20A	0.000	0.588		REFRIGERATORS	40
	RTU-4		5,555	5.990	50A	41	H		42	20A		3.333	0.720	GENERAL RECEPTS	42
	RTU-4	5.990				43	Н	_	44	20A	1.77			ERU-1	44
	RTU-4	0.000	5.990		3P	45		H	46			1.770		ERU-1	46
	RTU-5			5.990	50A	47	H		48	3P				ERU-1	48
	RTU-5	5.990				49	H	_	50	40A	3.000			CH-1	50
	RTU-5		5.990		3P	51	Н	_		2P		3.000		CH-1	52
	FREEZER			0.600	20A	53	R	$\ddot{\dashv}$	54					FLOW TAMPER SWITCH	54
		KVA	CONNEC	TED						<u> </u>	KV.	A SUMMA	\RY		
	LOAD SUMMARY	Α	В	С	1						TOTAL		DEMAND		
REC	EPTACLES F	5.324	5.904	5.964							17.192		13.596		
	TING L	. 2.565	0.800	0.641	1						4.006	1.000	4.006		
HVA		19.750	19.750								53.250		50.588		
HTC			19.380	19.380	-						58.140		34.884	4	
		0.000	0.000								0.000		0.000		
	AL KVA	47.019	45.834	39.735	4						132.588			TOTAL ESTIMATE KVA	
	TS / PHASE	120	120	120	1						208			SYSTEM VOLTAGE	
	S / PHASE	391.825	381.950	331.125	1						368.038		286.112		

PAI	NEL 1 SECTION 2	MAIN: SIZ		400 A	MCB						PANEL LC		MECH 202	2	
		BUS RATI	NG:	Α							FEEDER S	SIZE:			
		VOLTAGE		120 / 208	V 3	Ø,	4 '	WIR	RΕ		FED FROM	/ 1:	METER B	ANK	
		MOUNTING	3 :	SURFACI	Ε						MIN RMS	AMPS:			
CKT	CIDCUIT DESCRIPTION	L	OAD (KVA)	AMPS /	CKT	\	5 C	CKT	AMPS /	L	OAD (KVA	4)	CIDCUIT DESCRIPTION	Ck
#	CIRCUIT DESCRIPTION	Α	В	С	POLES	#	TYPE	À	#	POLES	Α	В	С	CIRCUIT DESCRIPTION	#
55	HEF-4	1.200			20A	55	Η	R	56	20A				ELEVATOR	5
57	DISHWASHING		1.000		20A	57	R	R	58	20A				ELEVATOR	5
59	SEWAGE EJECTOR			0.500	20A	59	R	Н	60	45			3.400	RTU-3	6
61	SEWAGE EJECTOR	0.300			20A	61	R	Н	62		3.400			RTU-3	6
63	SEWAGE EJECTOR		0.300			63	R	Н	64	3P		3.400		RTU-3	6
65	FRIDGE GENERAL RECEPTS			0.300	3P	65	R		66	20A			1.440		6
	ELEVATOR RM RECEPT	0.180			20A	67	\dashv	十	68	20A				SPARE	6
	ELEVATOR		5.800		60A	69	\dashv	_	70	20A				SPARE	$\frac{1}{7}$
	ELEVATOR			5.800		71	\dashv		72	20A				SPARE	 7
	ELEVATOR	5.800			3P	73	Ħ	1	74	20A				SPARE	1 7
	ELEVATOR CAB		0.500		20A	75	H	+	76	20A				SPARE	$\frac{1}{7}$
	SPARE				20A	77	\forall		78	20A				SPARE	$\frac{1}{7}$
	CH-3	1.000			20A	79	\forall	_	80						8
	CH-3	1.000	1.000		2P	81	\vdash	_	82						18
83			1.000			83			84						8
85						85	\dashv	_	86						1 8
87						87			88						8
89						89			90						1 9
91						91	H		92						 9
93						93	\pm	_	94						
95						95	\dashv		96						
50		ΚVΔ	CONNEC	TED.		50			50		ΚV	A SUMMA	RY		
	LOAD SUMMARY	A	В	С							TOTAL	, COUNTY,	DEMAND	1	
REC.	EPTACLES	R 0.300	1.300								2.400		2.400		
	ITING	L 0.000	0.000	0.000							0.000	1.000	0.000		
HVA		H 4.600	3.400	3.400							11.400	0.950	10.830		
HTC		0.000	0.000								0.000	0.600	0.000		
		E 0.000	0.000								0.000	1.000	0.000		
	AL KVA	4.900	4.700								13.800	1.000		TOTAL ESTIMATE KVA	
	TS / PHASE	120	120	120							208		208	SYSTEM VOLTAGE	
	S / PHASE	40.833	39.167	35.000							38.306			AMPS	
-(IVII-	TES:	70.000	JJ. 101	55.000							50.500		30.724	dvini o	

PAN	JEL 2	MAIN: SIZ	E & TYPE:	200 A	MCB						PANEL LO	CATION:	MECH 202	2	
		BUS RATI		Α							FEEDER S	SIZE:			
		VOLTAGE		120 / 208		Ø,	4	WII	RE		FED FROM		METER B	ANK	
		MOUNTING	3 :	SURFAC							MIN RMS A	AMPS:			
СКТ	CIRCUIT DESCRIPTION	L	OAD (KVA))	AMPS /	CKT	ΤY	5	CKT	AMPS / POLES	L	OAD (KVA	4)	CIRCUIT DESCRIPTION	Т
#	CIRCUIT BESCRIF HON	Α	В	С	POLES	#	PΕ	ð	#	POLES	Α	В	С	CINCOLL DESCRIPTION	
1	MEETING, REST RM LTS	1.150			20A	1	L	R	2	20A	1.080			EVENT SPACE RECEPTS	I
3	STOREFRONT, OFFICE LTS		1.100		20A	3	L	R	4	20A		1.080		EVENT SPACE RECEPTS	T
5	CORRIDOR LTS			0.480	20A	5	L	R	6	20A			1.080	EVENT SPACE RECEPTS	1
7	HEATED SURFACE ITEM #602	0.996			20A	7	R	R	8	20A	1.080			CORRIDOR, REST RM RECEPTS	T
9	SNEEZE GUARD ITEM #602A		1.116		20A	9	R	R	10	20A		0.500		WATER FOUNTAIN	1
11	AIR CURTAIN ITEM #603			1.920	20A	11	R	R	12	20A			0.180	FACP	1
13	REFRIGERATOR ITEM #604A	0.750			20A	13	R	R	14	20A	0.360			RESTROOM, VESTIBULE RECEPTS	1
15	SNEEZE GUARD ITEM #602A		1.116		20A	15	R	R	16	20A		0.900		CONFERENCE RECEPTS	1
17	REFRIGERATOR ITEM #604A			0.750	20A	17	R	R	18	20A			0.540	OFFICE RECEPTS	
19	MECH RM RECEPTS	0.540			20A	19	R	R	20	20A	0.720			OFFICE RECEPTS	7
21	HEATED SURFACE ITEM #602		0.996		20A	21	R	R	22	20A		0.720		OFFICE RECEPTS	
23	STORERONT RECEPTS			0.720	20A	23	R	R	24	20A			0.720	OFFICE RECEPTS	
25	FLOW SWITCH	0.180			20A	25	R	R	26	20A	0.180			WATER HEATER	
27	CH-4		1.000		20A	27		T	28						
29	CH-4			1.000	2P	29			30						1
31						31		T	32						1
33						33			34						1
35						35			36						
37						37			38						
39						39		T	40						
41						41		一	42						1
	LOAD CUMMADY	KVA	CONNEC	ŒD							ΚV	A SUMMA	RY		_
	LOAD SUMMARY	Α	В	С	1						TOTAL		DEMAND		
REC	EPTACLES R	5.886	6.428	5.910	1						18.224		14.112		
.IGH	TING L	1.150	1.100	0.480	1						2.730	1.000	2.730		
HVA	С	0.000	0.000	0.000	1						0.000	0.950	0.000		
OTHE	ER O	0.000	0.000	0.000	1						0.000	0.600	0.000		
EXIS	TING E	0.000	0.000	0.000	1						0.000	1.000	0.000		
TOT/	IL KVA	7.036	7.528	6.390	1						20.954		16.842	TOTAL ESTIMATE KVA	
	rs / Phase	120	120	120	1						208		208	SYSTEM VOLTAGE	
N B 4 D	S / PHASE	58.633	62.733	53.250	1						58.164		46.750	AMPS	

PAI	VEL 3	MAIN: SIZ	E & TYPE:	200 A	MCB					IPANEL LO	CATION:	MECH 302	2	
		BUS RATI	NG:	Α						FEEDER S	SIZE:			
		VOLTAGE		120 / 208	V 3	Ø.	4 W	/IRE		FED FROM		METER B	ANK	
		MOUNTING		SURFAC						MIN RMS				
CKT		L	OAD (KVA)	AMPS /	CKT	75	СК	T AMPS /	· L	OAD (KV	۹)		СКТ
#	CIRCUIT DESCRIPTION	Α	В	С	POLES	#	TYPE	#	POLES		B	C	CIRCUIT DESCRIPTION	#
	LTS	0.640			20A	1	LR		20A	1.080			GENERAL RECEPTS	2
3	WATER HEATER		0.180		20A	3	RR	₹ 4	20A		0.360		GENERAL RECEPTS	4
	FLOW SWITCH			2)	20A	5	F	₹ 6				0.500	WATER FOUNTAIN	6
	CH-5	1.000			20A	7	F			1.690			F-1	8
	CH-5		1.000		2P	9	_				1.690		F-2	10
	SPARE				20A	11	H		50A			3.220	ACCU-1	12
	SPARE				20A	13				3.220			ACCU-1	14
	SPARE				20A	15	F				3.220		ACCU-2	16
17	SPARE				20A	17	H	1 18				3.220	ACCU-2	18
	SPARE				20A	19	F	1 20	15A	1.690			F-3	20
	SPARE				20A	21	F				3.220		ACCU-3	22
	SPARE				20A	23	H					3.220	ACCU-3	24
25	SPARE				20A	25		26						26
27	SPARE				20A	27		28						28
29	SPARE				20A	29		30	1					30
31	SPARE				20A	31	П	32	!					32
33	SPARE				20A	33		34						34
35	SPARE				20A	35		36	:					36
37	SPARE				20A	37	П	38						38
39	SPARE				20A	39		40						40
41	SPARE				20A	41		42	:					42
	LOAD CUMMARY	KVA	CONNEC	TED						KV	A SUMMA	RY		
	LOAD SUMMARY	Α	В	С	1					TOTAL		DEMAND	1	
REC	EPTACLES	R 1.080	0.540	0.500	1					2.120		2.120	i	
LIGH	TING	L 0.640	0.000	0.000	1					0.640	1.000	0.640	i	
HVA	C	H 6.600	8.130	9.660						24.390	0.950	23.171	1	
ОТНІ		0.000	0.000	0.000						0.000		0.000	1	
EXIS		E 0.000	0.000	0.000						0.000	1.000	0.000	1	
TOTA	AL KVA	8.320	8.670	10.160	1					27.150		25.931	TOTAL ESTIMATE KVA	
VOL.	TS / PHASE	120	120	120	1					208		208	SYSTEM VOLTAGE	
	S / PHASE	69.333	72.250	84.667	1					75.363		71.978	AMPS	
NO.	TES:	•								•				
Ь——	<u> </u>													

PANEL 4		SIZE & TYPE	: 200 A	MCB						PANEL LC		MECH 402	2	
	BUS F	ATING:	Α							FEEDER S	SIZE:			
	VOLTA		120 / 208	3 V	Ø,	4	WI	RE		FED FROM		METER B	ANK	
	MOUN									MIN RMS	AMPS:			
CKT CIRCUIT DESCRIPTION		LOAD (KVA	١)	AMPS / POLES	СКТ	ΤΥ	Ю		AMPS /		OAD (KVA	4)	CIRCUIT DESCRIPTION	
# CINCOLL DESCRIPTION	<u> </u>	В	С	POLES	#			#	POLES	Α	В	С	ONCOLL PERCHANTAN	
1 LTS	0.64)		20A	1	L		2	20A	1.080			GENERAL RECEPTS	Т
3 WH-4		0.180		20A	3	R		4	20A		0.360		GENERAL RECEPTS	
5 FLOW SWITCH			0.180	20A	5	R	R	6	20A			0.500	WATER FOUNTAIN	
7 CH-6	1.00			20A	7		Τ	8	15A	1.690			F-4	
9 CH-6		1.000		2P	9		Н	10	15A		1.690		F-5	
11 SPARE				20A	11		Н	12	15A			1.690	F-6	
13 SPARE				20A	13		Н	14	50A	3.220			ACCU-4	
15 SPARE				20A	15		Н	16	2P		3.220		ACCU-4	
17 SPARE				20A	17		Н	18	50A			3.220	ACCU-5	
19 SPARE				20A	19	П	Н	20	2P	3.220			ACCU-5	
21 SPARE				20A	21		Н	22	50A		3.220		ACCU-6	
23 SPARE				20A	23		Н	24	2P			3.220	ACCU-6	
25 SPARE				20A	25	П		26						
27 SPARE				20A	27			28						
29 SPARE				20A	29	Ħ		30						
31 SPARE				20A	31	П		32						
33 SPARE				20A	33			34						
35 SPARE				20A	35			36						T
37 SPARE				20A	37	П		38						T
39 SPARE				20A	39	П		40						T
41 SPARE				20A	41	П		42						十
LOAD OURANADY		VA CONNEC	TED						•	KV	A SUMMA	RY		
LOAD SUMMARY	А	В	С	1						TOTAL		DEMAND	1	
RECEPTACLES	R 1.	0.540	0.680	5						2.300		2.300		
LIGHTING	L 0.	340 0.000	0.000	<u> </u>						0.640	1.000	0.640	1	
HVAC	H 8.	30 8.130	8.130	<u> </u>						24.390	0.950	23.171	1	
OTHER	0 0.	0.000	0.000	<u> </u>						0.000	0.600	0.000	1	
EXISTING	E 0.	0.000	0.000	<u> </u>						0.000		0.000		
TOTAL KVA	9.	350 8.670	8.810	5						27.330		26.111	TOTAL ESTIMATE KVA	
VOLTS / PHASE	120		120	1						208		208	SYSTEM VOLTAGE	
AMPS / PHASE	82.08	3 72.250	73.417	1						75.863		72.478	AMPS	

PAI	NEL 5		MAIN: SIZE			MCB						PANEL LOCATION: MECH 402 FEEDER SIZE:				
			BUS RATIN		Α											
			VOLTAGE: 120 / 208 V 3 Ø, 4 WIRE									FED FROM		METER BA	ANK	
			MOUNTING									MIN RMS A				
CKT #	CIRCUIT DESCRIPTION	ŀ	A L	DAD (KVA B) C	AMPS / POLES	CKT #	TYPE	O _A		AMPS / POLES	A L	OAD (KVA B	A) C	CIRCUIT DESCRIPTION	CK
	LTS		0.350	ь	0	20A	1	L		2	20A	1.080		_	GENERAL RECEPTS	2
	WATER HEATER	\dashv	0.000	0.180		20A	3	R		4	20A	1.000	0.360		GENERAL RECEPTS	$\frac{1}{4}$
	SPARE	\dashv		5.100		20A	5		R	6	20A		0.000		WATER FOUNTAIN	6
	SPARE	\dashv				20A	7	$\overline{}$	H	8	15A	1.690		0.000	F-7	8
	SPARE	\dashv				20A	9		H	10	15A	1.000	1.690		F-8	10
	SPARE	\dashv				20A	11		H	12	50A		1.000		ACCU-7	12
	SPARE	_				20A	13		_	14	2P	3.220			ACCU-7	14
	SPARE	\dashv				20A	15		H	16	50A	O.ZZO	3.220		ACCU-8	16
	SPARE	\dashv				20A	17		H	18	2P		0.220		ACCU-8	18
	SPARE					20A	19	\vdash	∺	20				5.225	7,000 0	20
	SPARE					20A	21	+	\dashv	22						22
	SPARE					20A	23		\dashv	24						24
	SPARE					20A	25	\vdash	\dashv	26						26
	SPARE					20A	27	H	\dashv	28						28
	SPARE					20A	29	\vdash	\dashv	30						30
	SPARE					20A	31	H	\dashv	32						32
	SPARE	\dashv				20A	33		\dashv	34						34
	SPARE	\dashv				20A	35		\dashv	36						36
	SPARE	-				20A	37	H	\dashv	38						38
	SPARE	\dashv				20A	39	\vdash	\dashv	40						40
	SPARE	\dashv				20A	41	\vdash	\dashv	42						42
71	OI AILE	\dashv	KVA	CONNEC	L TED	20/	171		_	72		KV	A SUMMA	RY		72
	LOAD SUMMARY	ŀ	A	В	С	1						TOTAL	· CONTINU	DEMAND		
REC	EPTACLES	R	1.080	0.540	0.500							2.120		2.120		
	TING		0.350	0.000	0.000	-						0.350	1.000	0.350		
HVA		Ħ	4.910	4.910	6,440	-						16.260	0.950	15.447		
TH		ö	0.000	0.000	0.000							0.000	0.600	0.000		
	TING	Ě	0.000	0.000	0.000							0.000	1.000	0.000		
	AL KVA		6.340	5.450	6.940	4						18.730		17.917	TOTAL ESTIMATE KVA	
	TS / PHASE		120	120	120	1						208		_	SYSTEM VOLTAGE	
	S / PHASE		52.833	45.417	57.833	1						51.991			AMPS	

PAI	VEL AK												PANEL LOCATION: LOADING/UNLOADING 103				
		BUS RATI		Α							FEEDER S						
		VOLTAGE		120 / 208	V 3	Ø,	4	WII	RE		FED FROM		PANEL 1				
		MOUNTIN									MIN RMS			-			
CKT	CIRCUIT DESCRIPTION	L	OAD (KVA)	AMPS /		TYPE	5	CKT	AMPS /	L	OAD (KVA	(<i>P</i>	CIRCUIT DESCRIPTION	CK.		
#	CIRCOIT BESCIAI TICI	Α	В	С	POLES	#			#	POLES	Α	В	С	ORGOTT BEGGRAT TIGH	#		
	REFRIGERATOR ITEM 305	0.672			20A	1	R	Н	2	30A	2.300			RTU-1	2		
3	MIXER 20 QUART ITEM 204		0.960		20A	3	R	Н	4			2.300		RTU-1	4		
5	GENERAL RECEPTS			0.540	20A	5	R	Н	6	3P			2.300	RTU-1	6		
7	GENERAL RECEPTS	0.720			20A	7	R		8	20A				SPARE	8		
9	5 QUART MIXER ITEM 205	HEF			20A	9	R	Н	10	20A		0.700		HEF-1	10		
11	HOOD SHUNT TRIP			1.200	20A	11	R	R	12	30A			2.878	CONVECTION OVEN	12		
13	HOOD SHUNT TRIP				2P	13	R	R	14		2.878			CONVECTION OVEN	14		
15	MIXER 5 QUART ITEM 205		0.348		20A	15	R	R	16	3P		2.878		CONVECTION OVEN	16		
17	FOOD PROCESSOR ITEM 206			1.440	20A	17	R	H	18	20A			1.800	MAU-1 SHUNT TRIP	18		
19	FIRE PROTECTION SYSTEM	1.200			20A	19	R	н	20		1.800			MAU-1 SHUNT TRIP	20		
21	SPARE				20A	21	H	H	22	3P		1.800		MAU-1 SHUNT TRIP	22		
23	SPARE				20A	23	Ħ	н	24					MAU-1 SHUNT TRIP	24		
25	SPARE				20A	25	Ħ	7	26						26		
27	SPARE				20A	27	П	1	28						28		
	SPARE				20A	29		_	30						30		
		KVA	CONNEC	TED			ш				KV	A SUMMA	RY				
	LOAD SUMMARY	A	В	С							TOTAL		DEMAND				
REC	EPTACLES	R 5.470									15.714		12.857				
	ITING	L 0.000		0.000	4						0.000	1.000	0.000				
HVA		H 4.100		4.100	4						13.000	0.950	12.350				
ОТН		0 0.000		0.000							0.000	0.600	0.000				
	TING	E 0.000		0.000	4						0.000	1.000	0.000				
	AL KVA	9.570		10.158	4						28.714	1.000		TOTAL ESTIMATE KVA			
	TS / PHASE	120	120	120	1						208		208	SYSTEM VOLTAGE			
	S / PHASE	79.750	74.883	84.650	-						79.704			AMPS			
	TES: I	13.700	7 4.000	04.000							75.704		00.070	7 (11)			

PAI	NEL K1	MAIN: SIZ	E & TYPE:	100 A	MLO						PANEL LC	CATION:	LOADING	/UNLOADING 103	
		BUS RATI	NG:	Α							FEEDER SIZE:				
		VOLTAGE	:	120 / 208	V 3	Ø,	4	WI	IRE		FED FROM	/l:	PANEL 1		
		MOUNTIN	G:								MIN RMS	AMPS:			
CKT	CIRCUIT DESCRIPTION	L	OAD (KVA)	AMPS / POLES	CKT	ΤY	ОП	СКТ	AMPS /		OAD (KVA	١)	CIRCUIT DESCRIPTION	CH
#	CIRCUIT BESCRIP HON	Α	В	С	POLES	#	PE	₽		POLES	Α	В	С	CINCOLL DESCRIPTION	#
1	REFRIGERATOR ITEM 305	0.672			20A	1	R		2	40A	3.400			RTU-2	
3	MIXER 20 QUART ITEM 204		0.960		20A	3	R	Н	4			3.400		RTU-2	
5	GENERAL RECEPTS			0.540	20A	5	R	Н	6	3P			3.400	RTU-2	6
7	GENERAL RECEPTS	0.540			20A	7	R		8	20A				SPARE	8
9	5 QUART MIXER ITEM 205	HEF			20A	9	R	Н	10	20A		0.700		HEF-2	1
11	HOOD SHUNT TRIP			1.200	20A	11	R	R	12	30A			2.878	CONVECTION OVEN	1
13	HOOD SHUNT TRIP				2P	13	R	R	14		2.878			CONVECTION OVEN	1
15	MIXER 5 QUART ITEM 205		0.348		20A	15	R	R	16	3P		2.878		CONVECTION OVEN	1
17	FOOD PROCESSOR ITEM 206			1.440	20A	17	R	R	18	20A			1.560	FREEZER COIL	1
19	FIRE PROTECTION SYSTEM	1.200			20A	19	П	R	20	2P	1.560			FREEZER COIL	2
21	SPARE				20A	21		R	22	20A		0.180		FREEZER DOOR	2
23	SPARE				20A	23		Н	24	20A			1.800	MAU-2 SHUNT TRIP	2
25	SPARE				20A	25	П	Н	26		1.800			MAU-2 SHUNT TRIP	2
27	SPARE				20A	27	П	Н	28	3P		1.800		MAU-2 SHUNT TRIP	2
29	SPARE				20A	29	П		30					MAU-2 SHUNT TRIP	3
	LOAD CUMMADY	KVA	CONNEC	TED		•			•	•	KV.	A SUMMA	RY		•
	LOAD SUMMARY	Α	В	С							TOTAL		DEMAND		
REC	EPTACLES R	5.650	4.366	7.618							17.634		13.817		
LIGH	TING L	0.000	0.000	0.000	1						0.000	1.000	0.000		
HVA	С Н	5.200	5.900	5.200	1						16.300	0.950	15.485		
ОТН	ER O	0.000	0.000	0.000							0.000	0.600	0.000		
EXIS	TING E	0.000	0.000	0.000							0.000	1.000	0.000		
TOTA	AL KVA	10.850	10.266	12.818	1						33.934		29.302	TOTAL ESTIMATE KVA	
VOL	TS / PHASE	120	120	120	1						208		208	SYSTEM VOLTAGE	
AMP	S / PHASE	90.417	85.550	106.817							94.194		81.337	AMPS	

PAI	NEL K2		E & TYPE:		MLO	•			•		PANEL LOCATION: LOADING/UNLOADING 103				
		BUS RAT		Α							FEEDER S				
		VOLTAGE		120 / 208	V 3	Ø,	4	WIF	RE		FED FROM		PANEL 1		
		MOUNTIN									MIN RMS				
CKT	CIRCUIT DESCRIPTION		OAD (KVA		AMPS /		TYPE	Į.		AMPS /	<u> </u>	OAD (KVA	,' 	CIRCUIT DESCRIPTION	CK.
#		A	В	С	POLES	#			#	POLES	A	В	С		#
-	REFRIGERATOR ITEM 305	0.672			20A	1	R		2	30A	2.300			RTU-2	2
	MIXER 20 QUART ITEM 204		0.960		20A	3	R		4			2.300		RTU-2	4
_	GENERAL RECEPTS			0.540	20A		R	Н	6	3P			2.300	RTU-2	6
7	GENERAL RECEPTS	0.540			20A	7	R		8	20A				SPARE	8
_	5 QUART MIXER ITEM 205	HEF			20A	9	R		10	20A		0.700		HEF-2	10
11	HOOD SHUNT TRIP			1.200	20A	11	R		12	30A			2.878	CONVECTION OVEN	12
13	HOOD SHUNT TRIP				2P	13	R		14		2.878			CONVECTION OVEN	14
15	MIXER 5 QUART ITEM 205		0.348		20A	15	R	- 1	16	3P		2.878		CONVECTION OVEN	16
17	FOOD PROCESSOR ITEM 206			1.440	20A	17	R	R	18	20A			1.619	SEALER ITEM 402	18
19	FIRE PROTECTION SYSTEM	1.200			20A	19	R	R	20		1.619			SEALER ITEM 402	20
21	SPARE				20A	21		R	22	3P		1.619		SEALER ITEM 402	22
23	SPARE				20A	23		Н	24	20A			1.800	MAU-2 SHUNT TRIP	24
25	SPARE				20A	25		Н	26		1.800			MAU-2 SHUNT TRIP	26
27	SPARE				20A	27		Н	28	3P		1.800		MAU-2 SHUNT TRIP	28
29	SPARE				20A	29		Н	30					MAU-2 SHUNT TRIP	30
	LOAD CHIMMADY	KVA	KVA CONNECTED								ΚV	A SUMMA	RY		
	LOAD SUMMARY	А	В	С							TOTAL		DEMAND	1	
REC	EPTACLES	R 6.909	5.805	7.677							20.391		15.196		
LIGH	TING	L 0.000	0.000	0.000							0.000	1.000	0.000		
HVA	C	H 4.100	4.800	4.100							13.000	0.950	12.350		
отн	ER	0.000	0.000	0.000							0.000	0.600	0.000	4	
EXIS	TING	E 0.000	0.000	0.000							0.000	1.000	0.000		
TOTA	AL KVA	11.009	10.605	11.777							33.391		27.546	TOTAL ESTIMATE KVA	
	TS / PHASE	120	120	120							208		208	SYSTEM VOLTAGE	
AMP	S / PHASE	91.742	88.375	98.142							92.687		76.461	AMPS	



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PROJECT NAME
SOUTHWEST MICHIGAN ACCELERATOR
KITCHEN
PROJECT ADDRESS
30 W VAN BUREN ST, BATTLE CREEK, MI

CLIENT ALPHA CENTER

ISSUED FOR PERMIT

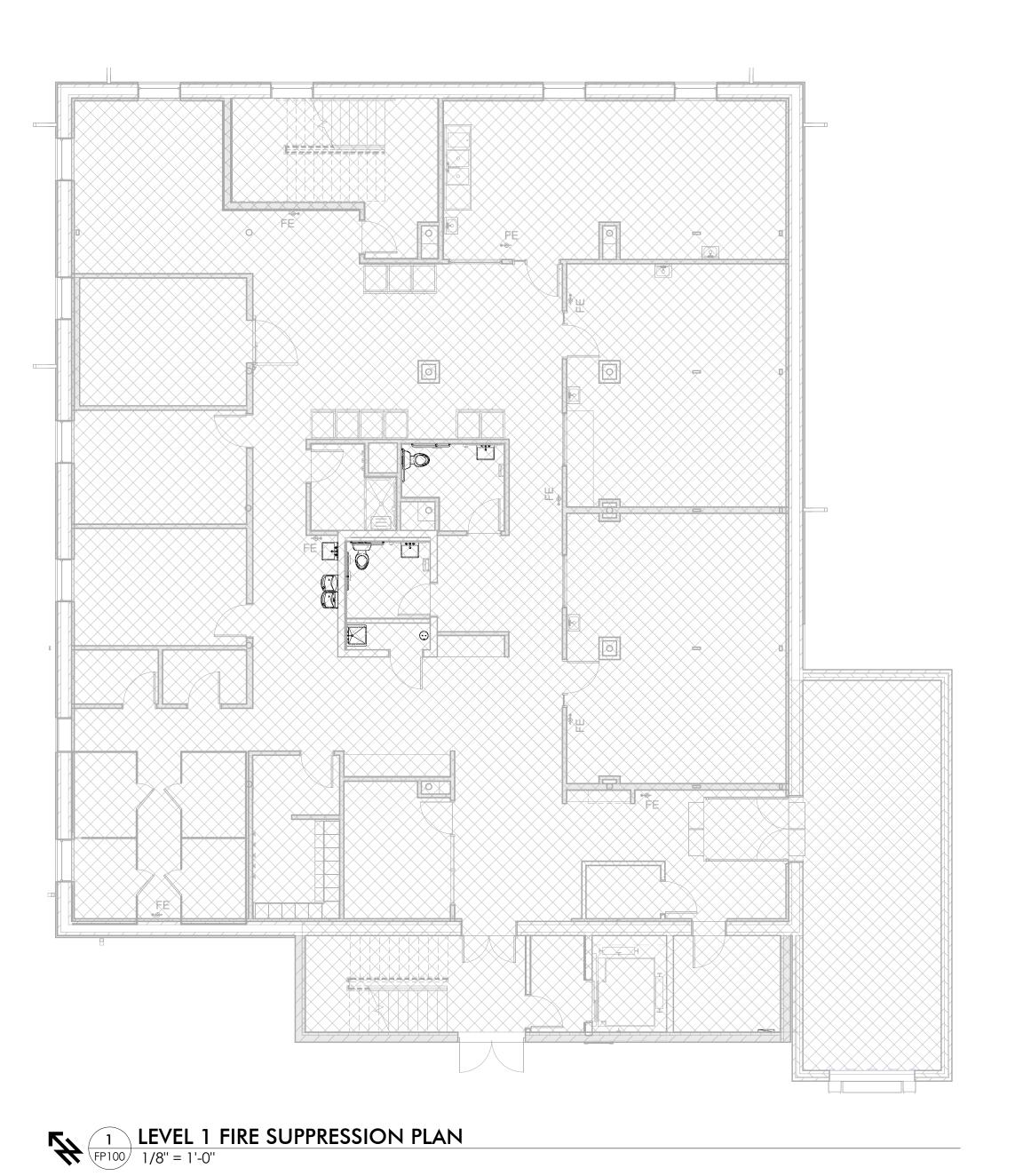
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DRAWN DCT
DATE 02/01/2022

SCALE As indicated
STAMP

PROJECT NUMBER 2020.45

PANEL SCHEDULES
E401





FIRE SUPPRESSION NOTES

- 1. FIRE SUPPRESSION PROVIDER TO PROVIDE A COMPLETELY SPRINKLED BUILDING (LIGHT HAZARD). THE FIRE SUPPRESSION SYSTEM IS TO BE DESIGNED PER THE FP #13, STATE FIRE MARSHAL, AND REQUIREMENTS OF THE LOCAL JURISDICTION.
- 2. THE REVISED SYSTEM IS TO REMAIN A WET SYSTEM.
- 3. SPRINKLER HEADS TO BE QUICK RESPONSE.
- 4. ALL SPRINKLER HEADS TO BE CONCEALED WITH CHROME COVER PLANTS, 155 DEGREES, 1/2" ORIFICE.
- 5. EXPOSED AREAS ARE TO HAVE BRASS UPRIGHT HEADS.
- 6. EXISTING CONDITIONS TO BE FIELD VERIFIED.
- 7. COORDINATE FIRE SUPPRESSION LINES WITH LIGHTS, DUCTS, CEILINGS, BULKHEADS, ETC.
- 8. REVIEW FIRE PROTECTION REQUIREMENTS WITH INSURANCE COMPANY.
- 9. THROUGH THE PERMITTING PROCESS THE FIRE SUPPRESSION SYSTEM WILL BE INSPECTED AND APPROVED BY THE FIRE MARSHAL PRIOR TO THE ISSUANCE OF AN OCCUPANCY PERMIT.
- 10. SHOP DRAWINGS ARE TO BE PROVIDED TO THE ARCHITECT AND LOCAL JURISDICTION FOR REVIEW BEFORE PURCHASING AND INSTALLING EQUIPMENT.

FIRE SUPPRESSION/ALARM LEGEND

DESCRIPTION	HEIGHT
DUCT TYPE SMOKE DETECTOR	
DUCT DETECTOR TEST STATION	48"
FIRE ALARM AUDIO/VISUAL	84"
FIRE ALARM BELL	84"
FIRE ALARM PULL STATION	48"
FIRE ALARM VISUAL DEVICE	84"
FLOW SWITCH	
HEAT DETECTOR	
SMOKE DETECTOR	
TAMPER SWITCH	
FIRE EXTINGUISHER	
FIRE SUPPRESSION AREA	
	DUCT TYPE SMOKE DETECTOR DUCT DETECTOR TEST STATION FIRE ALARM AUDIO/VISUAL FIRE ALARM BELL FIRE ALARM PULL STATION FIRE ALARM VISUAL DEVICE FLOW SWITCH HEAT DETECTOR SMOKE DETECTOR TAMPER SWITCH FIRE EXTINGUISHER

MOUNTING HEIGHTS ARE AS GIVEN UNLESS NOTED OTHERWISE ON THE PLANS.

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ALPHA CENTER
EDA PROJECT #

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 06-01-06174

CONSTRUCTION DOCUMENTS

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PROJECT NUMBER 2020.45

LEVEL 1 AND 2 FIRE SUPPRESSION PLANS

FP100

LEVEL 2 FIRE SUPPRESSION PLAN

1/8" = 1'-0"

FIRE SUPP	RESSION/ALARM LEGEND		F
SYM	DESCRIPTION	HEIGHT	1.
DD	DUCT TYPE SMOKE DETECTOR		2.
Т	DUCT DETECTOR TEST STATION	48"	3.
V	FIRE ALARM AUDIO/VISUAL	84"	4.
F	FIRE ALARM BELL	84"	_
F	FIRE ALARM PULL STATION	48"	5. 6.
V	FIRE ALARM VISUAL DEVICE	84"	7.
FS	FLOW SWITCH		8.
HD	HEAT DETECTOR		9.
S	SMOKE DETECTOR		
TS	TAMPER SWITCH		10.
FE ⊛ © -	FIRE EXTINGUISHER		
	FIRE SUPPRESSION AREA		

MOUNTING HEIGHTS ARE AS GIVEN UNLESS NOTED OTHERWISE ON THE PLANS.

	FIRE	SU	PPR	ESS	ION	NO.	TE:
--	-------------	----	-----	-----	-----	-----	-----

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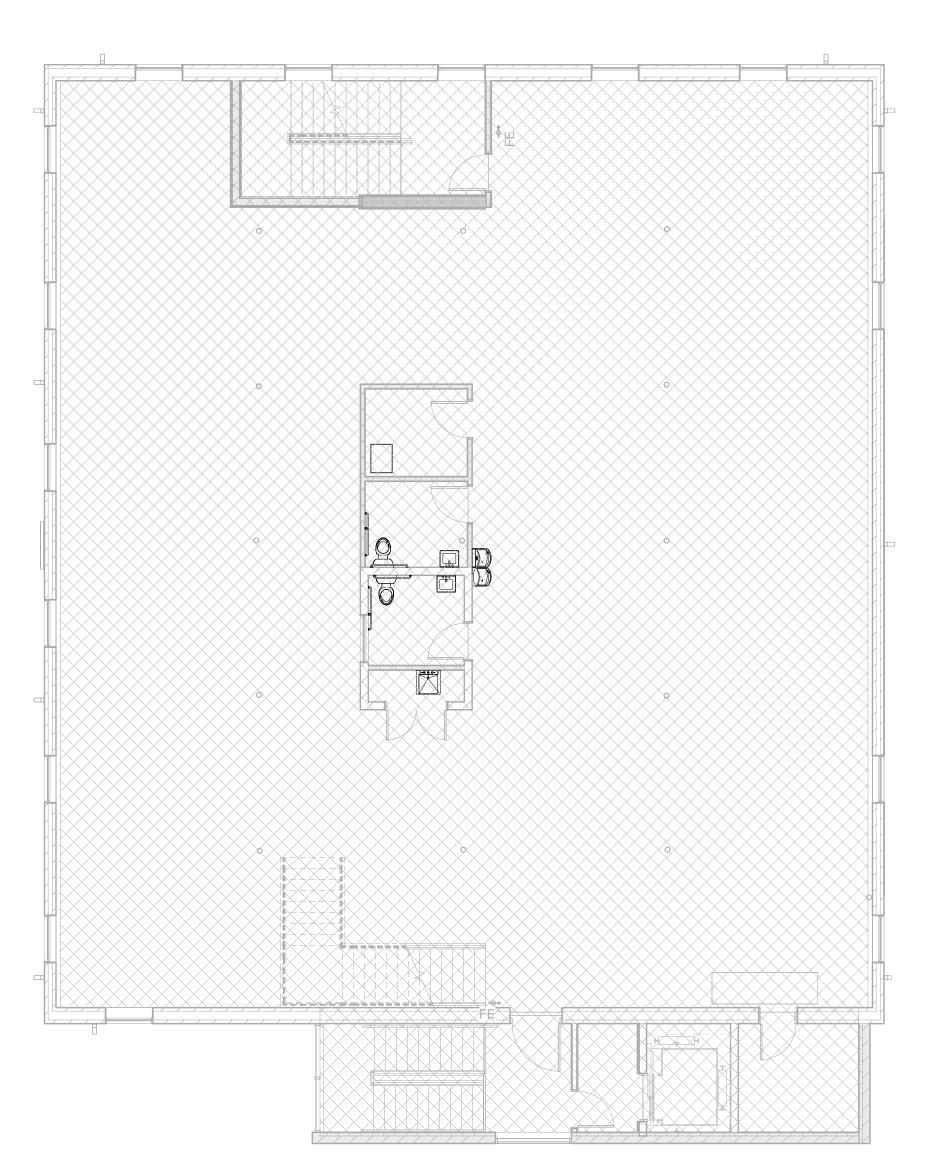
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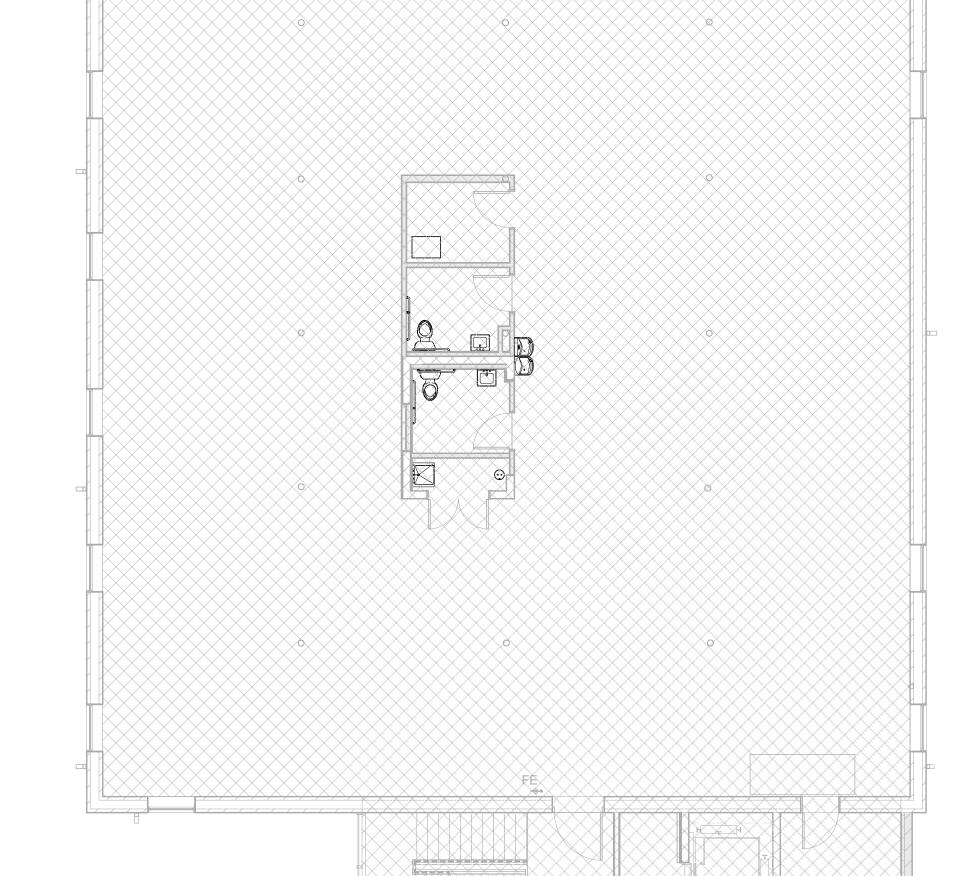
LEVEL 3, 4, & 5 FIRE SUPPRESSION PLANS

FP101









1 LEVEL 3 FIRE SUPPRESSION PLAN

1/8" = 1'-0"