

MIDLOTHIAN INDEPENDENT SCHOOL
DISTRICT
PURCHASING DEPARTMENT
100 WALTER STEPHENSON ROAD
Midlothian, Texas 76065

**CSP #2223-01
REQUEST FOR PROPOSALS
FOR
Baxter Kitchen Renovation
Project**

MISD Purchasing Department

Shana Volentine
Purchasing Coordinator
Phone: (469) 856-5032
shana.volentine@misd.gs

**Sealed Proposal Submittal Deadline
March 23, 2023 by 2 p.m.**





REQUEST FOR COMPETITIVE SEALED PROPOSALS

Competitive Sealed Proposals for the work identified below in accordance with Proposal Documents and addenda as may be issued prior to date of proposal opening will be received by the Board of Trustees, Midlothian Independent School District, until proposal closing date and time, as identified below. Proposals from Offerors will then be opened in public and read aloud.

OWNER: **Midlothian Independent School District**
100 Walter Stephenson Road
Midlothian, TX 76065

ARCHITECT: **Orcutt Winslow**
222 W. Las Colinas Blvd. Ste. 749E
Irving, TX 75039

PROJECT: **CSP 2223-01 Baxter Kitchen Renovation Project**
Midlothian Independent School District
Midlothian, Texas

PRE-PROPOSAL **Tuesday, February 28, 2023; 2:00 PM**
Baxter Elementary
1050 Park Place Blvd
Midlothian, TX 76065

All Offerors are encouraged to attend.

PROPOSAL DATE AND TIME: Proposal Due: **Thursday, March 23, 2023 2:00 PM**

LOCATION OF PROPOSAL OPENING: **MISD Administration Building**
100 Walter Stephenson Rd
Midlothian, TX 76065

Proposal Documents will be available on February 16, 2023. Qualified Offerors (General Contractors) may obtain a free electronic copy of the Drawings and proposal documents.

A link to the digital copies of the drawings and proposal documents may be obtained from the MISD Website and/or Shana Volentine, e-mail: shana.volentine@misd.gs

All proposals must be in the hands of the Owner no later than the time specified above. Please seal all proposals in duplicate in an envelope with the following information on the face of the envelope.

Name of Offeror (General Contractor)
CSP 2223-01 Baxter Kitchen Renovation Project
Midlothian Independent School District

The Owner reserves the right to reject any and all proposals and to waive any irregularities in the Competitive Sealed Proposal process. No proposal shall be withdrawn within 30 days after the proposal opening without the specific consent of the Owner.



PROPOSAL BOND: Not Applicable

PAYMENT BOND AND PERFORMANCE BOND: A Payment Bond and Performance Bond, each in an amount equal to 100 percent (100%) of the Contract Sum conditioned upon the faithful performance of the Contract will be required. Please note that all bonding companies presented must be acceptable to the Owner.

The prevailing rates of wages are the minimums that must be paid in conformance with all applicable laws of the State of Texas.

All Offerors submitting a proposal are encouraged to attend the proposal opening. Subcontractors and suppliers intending to submit proposals to Construction Offerors are required to prepare their proposals based on a complete set of proposal documents. If after reviewing the complete set of proposal documents, Subcontractors and supplier Offerors desire to purchase individual drawings and specification sections for their proposal convenience, they may do so by ordering the specific drawings and specifications directly from the reproduction company.

All Offerors submitting a proposal are encouraged to visit the site.

END OF PAGE



INSTRUCTIONS TO PROPOSERS

EXAMINATION OF DOCUMENTS AND SITE

- Each proposer, by making his Proposal, represents that he has read and understands the Proposal Documents. Failure to do so may be materially non-responsive and result in non-consideration of the bid.
- Each proposer, by making his Proposal, represents that he has visited the site, performed investigations and verifications as necessary and familiarized himself with the local conditions under which the Work is to be performed and will be responsible for errors in his proposal resulting from his failure to do so.
- Each proposer by making his proposal represents that his proposal is based upon the materials, systems and equipment required by the Proposal Documents without exception.
- Any and all site visits shall be coordinated through:

Mandie Tucker
Midlothian ISD
Child Nutrition Liaison
Email: mandie.tucker@misd.gs

QUESTIONS

- Proposers shall submit questions about the Proposal Documents to the MISD Purchasing Department in writing by the date identified in the proposal. Replies will be issued to proposers as an addendum to the Proposal Documents and shall become a part of the Contract. The Architect and Owner will not be responsible for oral clarification.
- Submit all questions to:
Shana Volentine
Midlothian ISD
Purchasing Coordinator
Email: shana.volentine@misd.gs

SUBSTITUTIONS

- Each proposer represents by submitting his proposal that his proposal is based upon the materials and equipment described in the proposal documents

STATUTORY PERFORMANCE BOND AND STATUTORY LABOR AND MATERIAL PAYMENT BOND

- A Statutory Performance Bond and a Statutory Labor and Material Payment Bond will be required of the successful proposer and shall be executed by a surety company acceptable to the Owner and authorized to do business in the State of Texas. Each bond shall be in an amount equal to one hundred percent (100%) of the contract price. The Performance Bond and the Labor and Material Payment Bond may be in one or separate instruments in accord with local law and are to be delivered to the Owner no later than the date of execution of the contract. Failure or neglecting to deliver said bonds, as specified, shall be considered as having abandoned the contract and the proposal security will be retained as liquidated damages.
- Bonds shall be executed by a Surety Company that is:
 - Approved by the school district, and duly authorized and admitted to do business in the State of Texas as determined by the State Board of Insurance.
 - Listed by the United States Department of the Treasury in that issue of the "Federal Register" covering the date on which the bond was executed and the date that Surety Company has obtained reinsurance, if applicable, from a reinsurer that is authorized and admitted as a reinsurer in this state and is the holder of a certificate of authority from the United States secretary of the treasury.

CERTIFICATE OF LIABILITY INSURANCE

- The successful proposer shall provide a Certificate of Liability Insurance in at least the amount of \$1,000,000.00. The Midlothian Independent School District shall be listed as additional insured.



MODIFICATION AND WITHDRAWAL

- No proposal may be changed, amended or modified after submittal. Proposers may withdraw proposals prior to proposal opening.
- No right or interest in this contract or delegation of any obligation shall be assigned by the vendor to another vendor. Any attempted assignment or delegation by the vendor shall be wholly void and totally ineffective for all purposes.

SUBMITTAL

- Submit proposals in accordance with the Request for Proposals.
 - Enclose proposal in a sealed envelope. **Clearly mark** on the outside of the proposal envelope:
Name of Offeror (General Contractor)
CSP 2223-01 Baxter Kitchen Renovation Project
Midlothian Independent School District
- Preparation of Proposals: Proposals shall be submitted on unaltered proposal forms. Fill in all blank spaces. If there are entries (blank spaces) on the proposal form which do not apply to a particular proposer, these entries shall be marked "N.A." (Not Applicable) by the proposer. No proposals will be considered that are amended or are qualified with conditional clauses, alterations, items not called for in the proposal, or irregularities of any kind which, in the Owner's opinion, may disqualify the proposer.
- Proposals meeting the requirements of the CSP shall be considered. Respondents taking exception to the specifications or offering substitutions shall state these exceptions.
- Each proposer shall submit one original, one duplicate copy, and one digital copy saved on a USB Flash Drive of each of the following. All shall be submitted in a single sealed envelope. Electronic signatures are acceptable.:
 - Checklist for CSP 2223-01 (Reference form attached to the end of this Section)
 - Proposer Identification: Contractor shall add a Cover Sheet/Proposer Identification Form that includes the following information:
 - Date
 - Company Name
 - Full Address
 - Phone #
 - Email Address
 - Proposal Form
 - Proposer shall note any contract deviations. Midlothian Independent School District can consider such deviations but is not obligated to accept such deviations
 - CSP Response Form Page 1 and Page 2
 - SB 9 Contractor Certification: Contractor Employees
 - Reference Sheet
 - Felony Conviction Notice (Reference form attached to the end of this Section)
 - 1295 Certificate of Interested Parties - This form must be completed online, printed and signed. (Reference form attached to the end of this Section)
 - Conflict-of-interest Questionnaire (Reference form attached to the end of this Section)
 - Non-collusion & Non-Discrimination Form (Reference form attached to the end of this Section)
 - HB 89/SB 252 Certification Form (Reference form attached to the end of this Section)
 - Any other information that responds to the Selection Criteria listed.
 - Each proposer shall submit one original, one duplicate copy, and one digital copy saved on a USB Flash Drive listing the subcontractors to be acquired for this project.
- Proposals received in the District's Business Office after the date and time specified will not be considered. The District is not responsible for lateness or non-delivery of mail carrier, etc., and the date/time stamp in the Business Office shall be the official time of receipt. Proposals **MAY NOT** be submitted by facsimile or email.
- Pricing submitted on this proposal is firm for a period of **60 Days** from the proposal opening date.
- The person signing the proposal should show the title that gives the authority to bind the firm to a contract.



DETERMINATION OF SUCCESSFUL RESPONDENT AND AWARD OF CONTRACT

- In determining the Selected Offeror, the Owner will evaluate the information derived from the Offeror's (Contractor's) Qualification Statement required herein, the information submitted on the Proposal Form, and other selection criteria including the following Selection Criteria:

COST	25 POINTS	The purchase price will be scored mathematically as a ratio
REPUTATION	15 POINTS	The reputation of the Proposer's goods and services.
		Information considered: Proposer's past relationships with and input from provided project references regarding recommendation of the Proposer, the Proposer's performance as a team player and overall work with the Owner, including their ability to work with the Owner on Change Orders and Contingency Allowances.
QUALITY	20 POINTS	The quality of the Proposer's goods and services. Information considered: <ul style="list-style-type: none"> - Proposer's past performance with input from provided project references regarding the Proposer's quality of craftsmanship - All required items submitted - Information provided in the proposal is clear
EXPERIENCE	20 POINTS	The Proposer's overall experience as well as past record of completing similar size and scope of projects on time. Information considered: <ul style="list-style-type: none"> - Number of years in business - Number of similar size projects within the past five years - Number of similar scope projects within the past five years – project scope must include working on an existing, operational campus maintaining full functionality. - Proposer's past performance with input
WARRANTY WORK	10 POINTS	The Proposer's response to warranty work requests. Information considered: Proposer's past performance with input from provided project references regarding the ability to perform warranty work in a timely manner.
PROJECT TEAM	5 POINTS	Qualifications of the proposed project manager(s) and project superintendent (s). Information considered: <ul style="list-style-type: none"> - Time in the construction industry for each individual - Number of K-12 school projects completed by each individual Time with company for each individual
PROJECT SCHEDULE	5 POINTS	The Proposer's anticipated construction schedule. Information considered: <ul style="list-style-type: none"> - Start date, substantial completion date, final completion date, and total construction duration in calendar days.

- The district does not award/purchase on the basis of low bid alone.
- The District may choose to conduct interviews with proposers as part of the evaluation and selection process. If interviews are necessary will be held at:
Midlothian Independent School District Administration building
100 Walter Stephenson Rd
Midlothian, TX 76065.
- The Selection Committee consisting of Midlothian ISD administrators, architects, consultants and other staff will make an initial evaluation of the proposals. The committee's recommendation will be considered by the Midlothian ISD Board of Trustees ("Board"). The District reserves the right to review the recommendation with others deemed appropriate by the District prior to review by the entire Board. The final decision-making authority on the proposals rests with the full Board.



- The District will make such investigations as it deems necessary to determine the ability of the Offeror to perform the Work, and the Offeror shall furnish all such information and data for this purpose as may be requested. The District reserves the right to reject any proposal if the evidence submitted by, or investigation of, such Offeror fails to satisfy the District that such Offeror is properly qualified to carry out the obligations of the Contract and to complete the Work contemplated therein.
- The District reserves the right to reject any or all proposals and to waive any formalities or irregularities and to make the award of the contract in the best interest of the District. The District also reserves the right as a sole judge of quality and equality.
- A decision regarding determination of the successful Offeror will be made by the District as soon as practical.
- If awarded, the successful vendor(s) will be notified by authorized District personnel.

EXECUTION OF CONTRACT

- The Owner reserves the right to accept any proposal, to reject any and all proposals, or to negotiate contract terms with the various proposers, when such is deemed by the Owner to be in his best interest.
- Notwithstanding delays in the preparation and execution of the formal contract agreement, each proposer shall be prepared, upon written notice of proposal acceptance, to commence work on or before a date stipulated in an official written order of the Owner to proceed.
- The accepted proposer shall assist and cooperate with the Owner in preparing the formal contract agreement, and within 5 days following its presentation shall execute same and return it to the Owner.
- Form for the contract agreement will be AIA Document A101, Standard Form of Agreement Between Owner and Contractor, Stipulated Sum, 2017 Edition. – Or
- The district limits its purchases through the use of properly drawn and authorized purchase orders. Consequently, the District is not responsible for items delivered or picked up and/or services that were not authorized via this method. Therefore, the purchase order number shall appear on ALL itemized invoices and packing slips to ensure payment.
- This contract, once accepted will include the period agreed upon between the District and the vendor(s) to complete the projects listed in the CSP. Any purchase order dated and issued within these dates will be subject to the terms and conditions of this contract.
- If, at any time, the vendor fails to fulfill or abide by the terms, conditions, or specifications of the contract, the District reserves the right upon written notice to the vendor to the following remedies (though not just limited to these): purchase the products/services elsewhere and/or cancel the contract.
- Proposals may not be withdrawn without written approval after a contract has been signed or a purchase order executed or after a partial performance of the proposal agreement has begun.
- The District reserves the right to utilize other District contracts, State of Texas contracts, contracts awarded by other governmental agencies, other school boards, or other cooperative agreements in lieu of any offer received or award made as a result of this proposal, if it is in the District's best interest to do so.

PAYMENT

- The title and risk of loss of the goods/services shall not pass to the District until the District actually takes possession of the goods/services at either the point of sale or the point of delivery.
- On purchase order contracts – itemized invoices shall be issued for only those items/services received. Payment shall not be due until the invoice(s) are submitted after delivery. Pursuant to Texas Government Code 2251.021, payments will be made within thirty (30) days. Invoices shall be mailed directly to:

MISD Business Office

100 Walter Stephenson Rd.

Midlothian, TX 76065

Attn: Accounts Payable

Or

Email to: accounts_payable@misd.gs



TIME OF COMPLETION AND LIQUIDATED DAMAGES

- The contract date will be established as the number of consecutive calendar days as set out on the proposal form from the "Notice-to-proceed" date issued by the Owner.
- Failure of the Contractor to complete the Work by the contract date will result in damages being sustained by the Owner. Such damages are, and will continue to be, impracticable and extremely difficult to determine. Due consideration will be given to delays as outlined in the Contract.
- The Contractor will pay the Owner the amount indicated on the Proposal Form and in the General Conditions for each calendar day of delay in finishing the Work in excess of time specified for completion, plus authorized time extensions. Execution of the Contract under these specifications shall constitute agreement by the Owner and Contractor that the amount indicated is the minimum value of the costs and actual damage caused by failure of the Contractor to Substantially Complete the Work within the allotted time, that such sum is Liquidated Damages and shall not be construed as a penalty, and that such sum may be deducted from payments due the Contractor if such delay occurs.

SALES TAX EXEMPTION

- The Owner qualifies for exemption from State and Local Sales Taxes as set forth in the Supplementary Conditions. Tax exemption certificates will be issued upon request.

TERMINATION OF CONTRACT

- The requirements of Government Code, Chapter 552, Subchapter J - Additional Provisions Related to Contracting Information, applies to this contract and the contractor or vendor agrees that the contract can be terminated if the contractor or vendor knowingly or intentionally fails to comply with a requirement of that subchapter.
- Each respondent must give notice to the District if a person, owner or operator of the business has been convicted of a felony. The District determines that the person or business failed to give such notice or misrepresented the conduct resulting in the conviction.
- Respondents shall note any and all relationships that might be a Conflict of Interest and include such information with the Proposal.
- Please note that a gift to a public servant is a Class A misdemeanor offense if the recipient is a government employee who exercises any influence in the purchasing process of the governmental body. This would certainly apply to anyone who helps establish specifications or is involved in product selection or directs a purchase.

PROHIBITION ON CONTRACTS WITH COMPANIES BOYCOTTING ISRAEL

- Pursuant to Texas Government Code Chapter 2271, if this contract is valued at \$100,000 or more and if Contractor has at least ten (10) full time employees, then Contractor represents and warrants to the Owner that the Contractor does not boycott Israel and will not boycott Israel during the term of this Contract. This section does not apply to a sole proprietorship. On April 25, 2019, the U.S. District Court for the Western District of Texas entered a preliminary injunction enjoining the enforcement of Chapter 2271 as it existed before the amendment in any state contract. In compliance with the Court's order, the Owner will not seek enforcement of the current Chapter 2271 until further order of this or higher court having jurisdiction over the issue.

ADDITIONAL TERMS AND CONDITIONS

- Delivery of services will be made during normal working hours unless prior approval has been obtained.
- The successful proposer shall possess and maintain criminal background checks for all personnel working on District Property.
- MISD reserves the right to purchase additional services as listed on this proposal subject to the verification of the same or lower prices and conditions as the proposal.
- MISD also reserves the right to waive minor technicalities or formalities considered in the best interest of the district.
- In case of discrepancies within the drawings, within the specifications, or between the drawings and specifications, the better quality and greater quantity, shall be furnished and installed



GENERAL SCOPE OF WORK - SUMMARY

- Contractor has the option to propose on the entire project or specific scope(s)
- Project will be phased depending on material delivery dates
- Replacement of flooring will be phased
 - Flooring for serving line will depend on the delivery of the equipment and date is subject to this time line
 - Flooring for Kitchen, mixing, mop, dry storage, office and scullery areas
- Replace kitchen equipment, including serving line (Kitchen equipment on Sheet Keynotes, Equipment Plan).
- Clean & Polish freezer cooler, scullery and the exterior of the fume hood
- Install new porcelain tile at serving line
- Install new storefront doors at serving line
- Close opening in scullery
- ***Items noted above are not all inclusive, refer to document/drawings GENERAL NOTES, GENERAL SHEET NOTES for additional scopes/details***



BASE PROPOSAL FORM
CSP 2223-01 Baxter Kitchen Renovation Project

PROJECT: Baxter Kitchen Renovation Project
Midlothian Independent School District
Midlothian TX

PROPOSAL OF: _____
(Name of Offeror) (Date)

TO: Midlothian Independent School District
100 Walter Stephenson Road
Midlothian, TX 76065

Dear Sir/Madam:

Having examined the drawings and related documents and having inspected the site of proposed work, I (we) agree to furnish all labor, materials, and to perform all work described in the specifications and shown on the drawings in the sum of:

****INCLUDE LISTING OF MATERIALS, LABOR, ETC THAT ARE INCLUDED IN YOUR PROPOSAL PRICING ON A SEPARATE DOCUMENT ATTACHED TO THIS FORM FOR ALL SUBMITTALS.**

NOTE: Amounts shall be shown in both words and figures. In case of discrepancy, the amount shown in words shall govern.

ENTIRE SCOPE OF WORK**

_____ DOLLARS*

(\$ _____).*

**The proposal price (Entire Scope of Work) above includes a 10% Owner's Betterment for the Changes requested by the owner in the amount of*

\$ _____.

IF YOU ARE NOT BIDDING THE ENTIRE PROJECT, PLEASE LIST YOUR PROPOSAL PRICING ON THE APPROPRIATE LINE ITEM(S)

Kitchen Proposal – bid for kitchen scope of work**

_____ DOLLARS*

(\$ _____).*



**The proposal price (Kitchen Proposal) above includes a 10% Owner's Betterment for the Changes requested by the owner in the amount of*

\$_____.

Kitchen Equipment Proposal – bid for kitchen equipment (appliances) scope of work**

_____ DOLLARS*

(\$_____).*

Flooring Proposal – bid for flooring replacement scope of work**

_____ DOLLARS*

(\$_____).*

**The proposal price (Flooring Proposal) above includes a 10% Owner's Betterment for the Changes requested by the owner in the amount of*

\$_____.

Electrical Proposal – bid for electrical replacement scope of work**

_____ DOLLARS*

(\$_____).*

**The proposal price (Electrical Proposal) above includes a 10% Owner's Betterment for the Changes requested by the owner in the amount of*

\$_____.

Tile Proposal – bid for tile installation scope of work**

_____ DOLLARS*

(\$_____).*



**The proposal price (Tile Proposal) above includes a 10% Owner's Betterment for the Changes requested by the owner in the amount of*

\$_____.

Storefront Proposal – bid for storefront doors & hardware scope of work**

_____ DOLLARS*

(\$_____).*

**The proposal price (Storefront Proposal) above includes a 10% Owner's Betterment for the Changes requested by the owner in the amount of*

\$_____.

Demo & Wall Build Back Proposal – bid for the demo & the build back of the wall at the serving line's scope of work**

_____ DOLLARS*

(\$_____).*

**The proposal price (Demo & Wall Build Back Proposal) above includes a 10% Owner's Betterment for the Changes requested by the owner in the amount of*

\$_____.



SCHEDULE

The overall schedule is critical to the success of this project. Contractor shall bid the time for substantial completion and final acceptance and the additional time for the specified alters in the spaces provided above. The project schedule is as follows:

Questions Due:	March 3, 2023 (by noon, 12 PM CST)
Final Addenda:	March 9, 2023 (by 4:00 PM CST)
Bid Due:	March 23, 2023 (2:00 PM CST)

Respectfully Submitted

Company / Entity Name

By: _____

Printed Name

Title

Address

Phone Number

Email

Note: Affix seal and authorization if bidder is a corporation.



In the event an award of a contract to the undersigned, the undersigned will (1) furnish a performance and payment bond for full amount of the contract as specified herein, (2) secure proper compliance with the terms and provisions of the contract, (3) insure and guarantee the work until final completion and acceptance and (4) guarantee payment of all lawful claims for labor performed and materials furnished in the fulfillment of the contract.

The work proposed shall be accepted when the District is satisfied that work is fully completed and finished in accordance with the plans and specifications.

The undersigned certifies that the bid prices contained in the proposal have been carefully checked and are submitted as correct and final.

Receipt is hereby acknowledged for the following addenda to bid proposal:

Addendum No. 01 Dated: _____ Received: _____

Addendum No. 02 Dated: _____ Received: _____

Addendum No. 03 Dated: _____ Received: _____

Addendum No. 04 Dated: _____ Received: _____

Signature

Date



CSP RESPONSE FORM (Page 1)

2223-01 Baxter Kitchen

Renovation Project

To: Midlothian ISD
Attention: Shana Volentine
100 Walter Stephenson Rd
Midlothian, Texas 76065

From:

Company Name

Address

City/State/Zip

Area Code & Phone Number

Fax Number

E-mail Address

Federal Tax Identification Number

I, the undersigned, as the owner or legally authorized representative of the above named company, by signing the following statement, agree that I have READ and UNDERSTAND all of the Instructions and Specifications contained herein, and that if accepted by the Midlothian Independent School District, all of the provisions are part of a binding contract between the MISD and our company. I also certify that this bid is made without previous understanding, agreement, or connection with any person, firm or cooperation making a proposal for the same contract, and is in all ways fair and without collusion or fraud.

Owner or Legally Authorized Representative

Signature

Title

Date

RETURN THIS PAGE

CSP RESPONSE FORM (Page 2)

2223-01 Baxter Kitchen

Renovation Project

Remittance Address (if different):

Address

City/State/Zip

All purchases must occur with a district purchase order.

1) Our firm will accept orders using district purchase orders. YES ☐ NO ☐

2) Our firm holds a HUB certification. YES ☐ NO ☐
If YES, please provide a copy of your certification with your response.

3) Our firm holds a MWBE/SBE Certification YES ☐ NO ☐
If YES, please provide a copy of your certification with your response.

ADDITIONAL INFORMATION (If Applicable)

If your organization has multiple store locations, please list all store locations that will agree to all the terms and conditions set forth in this proposal/bid document. Please list additional store locations below (attach additional information if needed).

RETURN THIS PAGE



CLIENT/CUSTOMER REFERENCES

Please list your references

1. Business Name: _____

Contact: _____

Address: _____

Phone Number: _____

Email: _____

Scope of Work/Project: _____

Date(s) of Work listed above: _____

2. Business Name: _____

Contact: _____

Address: _____

Phone Number: _____

Email: _____

Scope of Work/Project: _____

Date(s) of Work listed above: _____

3. Business Name: _____

Contact: _____

Address: _____

Phone Number: _____

Email: _____

Scope of Work/Project: _____

Date(s) of Work listed above: _____

*Additional references may be provided. Please attach to this page.

SB 9 Contractor Certification: Contractor Employees

Background: Texas Education Code Chapter 22 requires entities that contract with school districts to obtain criminal history records on covered employees. Covered employees with disqualifying criminal histories are prohibited from serving at a school district. Contractors must certify to Midlothian ISD that they have complied and must obtain similar certifications from their subcontractors. *See SB 9 Contractor Certification: Subcontractor attachment.* The law requires each contractor to obtain the criminal histories of its covered employees. For more information or to set up an account, a contractor should contact the Texas Department of Public Safety's Crime Records Service at 512.424.2474.

Definitions:

Covered employees: Employees of a contractor who have or will have continuing duties related to the service to be performed at a school district and have or will have direct contact with students. Midlothian ISD will be the final arbiter of what constitutes *continuing duties* and *direct contact* with students.

Disqualifying criminal history: (1) a conviction or other criminal history information designated by Midlothian ISD; (2) a felony or misdemeanor offense that would prevent a person from being employed under Texas Education Code § 22.085(a), that is: if at the time of the offense, the victim was under 18 or was enrolled in a public school; (a) a felony offense under Title 5, Texas Penal Code; (b) an offense on conviction for which a defendant is required to register as a sex offender under Chapter 62, Texas Code of Criminal Procedure; or (c) an offense under federal law or the laws of another state that is equivalent to (a) or (b).

On behalf of _____ ("Contractor"), I, the undersigned authorized signatory for Contractor, certify to Midlothian Independent School District ("Midlothian ISD") that [check one]:

[] None of Contractor's employees are *covered employees*, as defined above. If this box is checked, I further certify that Contractor has taken precautions or imposed conditions to ensure that its employees will not become *covered employees*. Contractor will maintain these precautions or conditions throughout the time the contracted services are provided.

Or

[] Some or all of Contractor's employees are *covered employees*. If this box is checked, I further certify that:

- (1) Contractor has obtained all required criminal history record information regarding its covered employees. None of the covered employees has a disqualifying criminal history.
- (2) If Contractor receives information that a covered employee subsequently has a reported criminal history, Contractor will immediately remove the covered employee from contract duties and notify Midlothian ISD in writing within 3 business days.
- (3) Upon request, Contractor will provide Midlothian ISD with the name and any other requested information of covered employees so that Midlothian ISD may obtain criminal history record information on the covered employees.

If Midlothian ISD objects to the assignment of a covered employee on the basis of the covered employee's criminal history record information, Contractor agrees to discontinue using that covered employee to provide services at Midlothian ISD.

I also certify to Midlothian ISD on behalf of Contractor that Contractor has obtained certifications from its subcontractors of compliance with Texas Education Code, Chapter 22.
Noncompliance or misrepresentation regarding this certification may be grounds for contract termination.

Signature

Title

Date



Felony Conviction Notice

Statutory citation covering notification of criminal history of contractor is found in the Texas Education Code

#44.034. Following is an example of a felony conviction notice:

FELONY CONVICTION NOTICE

Senate Bill 1, passed by the State of Texas Legislators, Section 44.034, Notification of Criminal History, Subsection (a) states, “a person or business entity that enters into a contract with a school district must give advance notice to the district if the person or owner or operator of the business entity has been convicted of a felony.” The notice must include a general description of the conduct resulting in the conviction of a felony.

Subsection (b) states, “A school district may terminate a contract with a person or business entity if the district determines that the person or business entity failed to give notice as required by Subsection (a) or misrepresented the conduct resulting in the conviction. The district must compensate the person or business entity for services performed before the termination of the contract.

This notice is not required of a publicly held corporation.

I, the undersigned agent for the firm named below certify that the information concerning notification of felony conviction has been reviewed by me and the following furnished information is true to the best of my knowledge.

Vendor’s Name: _____

Authorized Company Official’s Name: (please print)

A. My firm is a publicly held corporation; therefore, this reporting requirement is not applicable.

Signature of Company Official: _____

B. My firm is not owned nor operated by anyone who has been convicted of a felony.

Signature of Company Official: _____

C. My firm is owned or operated by the following individual(s) who has/have been convicted of a felony: Name

of Felon(s): _____

Details of Conviction: _____

Signature of Company Official: _____

THIS COMPLETED FORM MUST BE RETURNED WITH PROPOSAL

CERTIFICATE OF INTERESTED PARTIES**FORM 1295**

Complete Nos. 1 - 4 and 6 if there are interested parties. Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

4	Name of Interested Party	City, State, Country (place of business)	Nature of Interest (check applicable)	
			Controlling	Intermediary

5 Check only if there is NO interested Party. ☐

6 UNSWORN DECLARATION

My name is _____, and my date of birth is _____.

My address is _____
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in _____ County, State of _____, on the _____ day of _____, 20____.
(month) (year)

Signature of authorized agent of contracting business entity
(Declarant)

ADD ADDITIONAL PAGES AS NECESSARY

CONFLICT OF INTEREST QUESTIONNAIRE

FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

2 Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐ Yes

☐ No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes

☐ No

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7

Signature of vendor doing business with the governmental entity

Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at <http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm>. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;
or

(ii) the local governmental entity is considering entering into a contract with the vendor;

(B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:

- (i) a contract between the local governmental entity and vendor has been executed; or
- (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity.

(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(1) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmental entity; or

(B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(2) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or

(C) of a family relationship with a local government officer.



STATEMENT OF NON-COLLUSION AND NON-DISCRIMINATION

My signature certifies that the accompanying Proposal:

1. Is not the result of, or affected by, an unlawful act of collusion with another person or company engaged in the same line of business or commerce, or any act of fraud punishable under current local, state, and/or federal ordinances, statutes, regulations and/or policies. Furthermore, I understand that fraud and unlawful collusion are crimes under Federal Law, and can result in fines, prison sentences, and civil damage awards.
2. During the performance of any contract awarded, the Seller will not discriminate against any employee or applicant for employment because of race, religion, color, sex or national origin, or handicaps, except where religion, sex or national origin is a bona fide occupation qualification reasonably necessary to the normal operations of the Seller, The Seller agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this non-discrimination clause.
3. The Seller, in all solicitations or advertisements for employees placed by or on behalf of the Seller, will state that such Seller is an equal opportunity employer.
4. Notices, advertisements and solicitations placed in accordance with Federal Law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
5. The Seller shall include the provisions of the foregoing paragraphs 2, 3 and 4 in every subcontract or purchase order over \$10,000.00 so that the provisions will be binding upon each subcontractor or vendor.

I hereby certify that I am authorized to sign as a Representative for the Seller:

NAME OF SELLER:

ADDRESS:

CITY & STATE:

NAME: (Print)

Signature:

TITLE: _____ DATE: _____

TELEPHONE: _____ FAX: _____

EMAIL ADDRESS: _____

RESIDENT/NONRESIDENT CERTIFICATION

Texas Government Code Chapter 2252 relates to bids by nonresident contractors. The pertinent portions of the Act are as follows:

Section 2252.001(3)

“Nonresident bidder” means a bidder who is not a resident (of the State of Texas).

Section 2252.001(4)

“Resident bidder” means a bidder whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.

Section 2252.002

A governmental entity may not award a governmental contract to a nonresident bidder unless the nonresident underbids the lowest bid submitted by a responsible resident bidder by an amount that is not less than the amount by which a resident bidder would be required to underbid the nonresident bidder to obtain a comparable contract in the state in which the nonresident’s principal place of business is located.

I certify that _____ is a

Resident Bidder of Texas as defined in Texas Government Code Section 2252.001(4).

Signature: _____

Printed Name: _____

.....

I certify that _____ is a

Nonresident Bidder of Texas as defined in Texas Government Code Section 2252.001(3) and our principal place of business is:

City and State: _____

Signature: _____

Printed Name: _____

If the Bidder is a Nonresident Bidder of Texas, please answer the following:

Does the vendor’s ultimate parent company or majority owner employ at least 500 persons in Texas?

Yes _____ No _____

DEBARMENT OR SUSPENSION CERTIFICATION FORM

Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award (see 2 CFR 180.220) must not be made to parties listed on the government wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), “Debarment and Suspension.” SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

By submitting this offer and signing this certificate, this Proposer:

- (1) Certifies that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

Firm’s Name: _____

Address: _____

City/State/Zip: _____

Telephone: _____

Authorized Company Official’s Name: _____
(*Typed or printed*)

Title of Authorized Representative: _____
(*Typed or printed*)

Signature of Authorized Company Official: _____

Date Signed: _____



CERTIFICATIONS REQUIRED AS OF SEPTEMBER 1, 2017

**CERTIFICATION REGARDING TERRORIST ORGANIZATIONS
& BOYCOTTING OF ISRAEL**

[Govt Code 808 (HB89) and Govt Code 2252 (SB252)]

Vendor hereby certifies that it is not a company identified on the Texas Comptroller's list of companies known to have contracts with, or provide supplies or services to, a foreign organization designated as a Foreign Terrorist Organization by the U.S. Secretary of State.

Vendor further certifies and verifies that neither Vendor, nor any affiliate, subsidiary, or parent company of Vendor, if any (the "Vendor Companies"), boycotts Israel, and Vendor agrees that Vendor and Vendor Companies will not boycott Israel during the term of this Agreement. For purposes of this Agreement, the term "boycott" shall mean and include terminating business activities or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory.

Initials of Authorized Representative of Vendor

Vendor's Name/Company Name: _____

Address, City, State, and Zip Code: _____

Phone Number: _____ Fax Number: _____

Printed Name and Title of Authorized Representative: _____

Email Address: _____

Signature of Authorized Representative: _____

Date: _____ Federal Tax ID # _____

MISD PURCHASING OFFICE (INTERNAL REVIEW): SB 2252 Certification

Comptroller List was reviewed and The Vendor (IS) (IS NOT) on the lists (Circle one).

Verified by: _____

EDGAR CERTIFICATIONS

ADDENDUM FOR AGREEMENT FUNDED BY U.S. FEDERAL GRANT

TO WHOM IT MAY CONCERN:

MIDLOTHIAN ISD is in the process of ensuring that all policies and procedures involving the expenditure of federal funds are compliant with the new Education Department General Administrative Guidelines ("EDGAR"). Part of this process involves ensuring that all current vendors agree to comply with EDGAR. You must complete this form and return to MIDLOTHIAN ISD along with your proposal.

The following certifications and provisions are required and apply when MIDLOTHIAN ISD expends federal funds for any contract resulting from this procurement process. Pursuant to 2 C.F.R. § 200.326, all contracts, including small purchases, awarded by the District and the District's subcontractors shall contain the procurement provisions of Appendix II to Part 200, as applicable.

REQUIRED CONTRACT PROVISIONS FOR NON-FEDERAL ENTITY CONTRACTS UNDER FEDERAL AWARDS APPENDIX II TO 2 CFR PART 200

(A) Contracts for more than the simplified acquisition threshold currently set at \$250,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.

Pursuant to Federal Rule (A) above, when MIDLOTHIAN ISD expends federal funds, MIDLOTHIAN ISD reserves all rights and privileges under the applicable laws and regulations with respect to this procurement in the event of breach of contract by either party.

Does Vendor agree? YES _____ Initials of Authorized Representative of Vendor

(B) Termination for cause and for convenience by the grantee or subgrantee including the manner by which it will be effected and the basis for settlement. (All contracts in excess of \$10,000).

Pursuant to Federal Rule (B) above, when MIDLOTHIAN ISD expends federal funds, MIDLOTHIAN ISD reserves the right to immediately terminate any agreement in excess of \$10,000 resulting from this procurement process in the event of a breach or default of the agreement by Vendor in the event Vendor fails to: (1) meet schedules, deadlines, and/or delivery dates within the time specified in the procurement solicitation, contract, and/or a purchase order; (2) make any payments owed; or (3) otherwise perform in accordance with the contract and/or the procurement solicitation. MIDLOTHIAN ISD also reserves the right to terminate the contract immediately, with written notice to vendor, for convenience, if MIDLOTHIAN ISD believes, in its sole discretion that it is in the best interest of MIDLOTHIAN ISD to do so. Vendor will be compensated for work performed and accepted and goods accepted by MIDLOTHIAN ISD as of the termination date if the contract is terminated for convenience of MIDLOTHIAN ISD. Any award under this procurement process is not exclusive and MIDLOTHIAN ISD reserves the right to purchase goods and services from other vendors when it is in MIDLOTHIAN ISD's best interest.

Does Vendor agree? YES ____ Initials of Authorized Representative of Vendor

EDGAR CERTIFICATIONS

(C) Equal Employment Opportunity. Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of “federally assisted construction contract” in 41 CFR Part 60-1.3 must include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, “Equal Employment Opportunity” (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, “Amending Executive Order 11246 Relating to Equal Employment Opportunity,” and implementing regulations at 41 CFR part 60, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor.”

Pursuant to Federal Rule (C) above, when MIDLOTHIAN ISD expends federal funds on any federally assisted construction contract, the equal opportunity clause is incorporated by reference herein.

Does Vendor agree? YES _____ Initials of Authorized Representative of Vendor

(D) Davis-Bacon Act, as amended (40 U.S.C. 3141-3148). When required by Federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-Federal entities must include a provision for compliance 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 must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision for compliance with the Copeland “Anti-Kickback” Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, “Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States”). The Act provides that each contractor or subrecipient must be prohibited from inducing, 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 he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.

Pursuant to Federal Rule (D) above, when MIDLOTHIAN ISD expends federal funds during the term of an award for all contracts and subgrants for construction or repair, Vendor will be in compliance with all applicable Davis-Bacon Act provisions.

Does Vendor agree? YES _____ Initials of Authorized Representative of Vendor

(E) Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708). Where applicable, all contracts awarded by the non-Federal entity in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance 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 must be required to 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 which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles

EDGAR CERTIFICATIONS

ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

Pursuant to Federal Rule (E) above, when MIDLOTHIAN ISD expends federal funds, Vendor certifies that Vendor will be in compliance with all applicable provisions of the Contract Work Hours and Safety Standards Act during the term of an award for all contracts by MIDLOTHIAN ISD resulting from this procurement process.

Does Vendor agree? YES ☐ Initials of Authorized Representative of Vendor

(F) Rights to Inventions Made Under a Contract or Agreement. If the Federal award meets the definition of “funding agreement” under 37 CFR §401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that “funding agreement,” the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by the awarding agency.

Pursuant to Federal Rule (F) above, when federal funds are expended by MIDLOTHIAN ISD, the vendor certifies that during the term of an award for all contracts by MIDLOTHIAN ISD resulting from this procurement process, the vendor agrees to comply with all applicable requirements as referenced in Federal Rule (F) above.

Does Vendor agree? YES ☐ Initials of Authorized Representative of Vendor

(G) Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended—Contracts and subgrants of amounts in excess of \$150,000 must contain a provision that requires the non-Federal award to agree to 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). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

Pursuant to Federal Rule (G) above, when federal funds are expended by MIDLOTHIAN ISD, the vendor certifies that during the term of an award for all contracts by MIDLOTHIAN ISD member resulting from this procurement process, the vendor agrees to comply with all applicable requirements as referenced in Federal Rule (G) above.

Does Vendor agree? YES ☐ Initials of Authorized Representative of Vendor

(H) Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award (see 2 CFR 180.220) must not be made to parties listed on the government wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), “Debarment and Suspension.” SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

Pursuant to Federal Rule (H) above, when federal funds are expended by MIDLOTHIAN ISD, the vendor certifies that during the term of an award for all contracts by MIDLOTHIAN ISD resulting from this procurement process, the vendor certifies that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation by

EDGAR CERTIFICATIONS

any federal department or agency.

Does Vendor agree? YES ___ Initials of Authorized Representative of Vendor

(I) Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors that apply or bid for an award exceeding \$100,000 must 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 must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

Pursuant to Federal Rule (I) above, when federal funds are expended by MIDLOTHIAN ISD, the vendor certifies that during the term and after the awarded term of an award for all contracts by MIDLOTHIAN ISD resulting from this procurement process, the vendor certifies that it is in compliance with all applicable provisions of the Byrd Anti-Lobbying Amendment (31 U.S.C. 1352). The undersigned further certifies that:

- (1) No Federal appropriated funds have been paid or will be paid for 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, an officer or employee of congress, or an employee of a Member of Congress in connection with the awarding of a Federal contract, the making of a Federal grant, the making of a Federal loan, the entering into a cooperative agreement, and the extension, continuation, renewal, amendment, or modification of a 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 grant 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 covered sub-awards exceeding \$100,000 in Federal funds at all appropriate tiers and that all sub recipients shall certify and disclose accordingly.

Does Vendor agree? YES ___ Initials of Authorized Representative of Vendor

RECORD RETENTION REQUIREMENTS FOR CONTRACTS INVOLVING FEDERAL FUNDS

When federal funds are expended by MIDLOTHIAN ISD for any contract resulting from this procurement process, Vendor certifies that it will comply with the record retention requirements detailed in 2 CFR § 200.333. The Vendor further certifies that Vendor will retain all records as required by 2 CFR § 200.333 for a period of three years after grantees or subgrantees submit final expenditure reports or quarterly or annual financial reports, as applicable, and all other pending matters are closed.

Does Vendor agree? YES ___ Initials of Authorized Representative of Vendor

EDGAR CERTIFICATIONS

CERTIFICATION OF COMPLIANCE WITH THE ENERGY POLICY AND CONSERVATION ACT

When MIDLOTHIAN ISD expends federal funds for any contract resulting from this procurement process, Vendor certifies that it will comply with the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6321 et seq.; 49 C.F.R. Part 18).

Does Vendor agree? YES ☐ Initials of Authorized Representative of Vendor

CERTIFICATION OF COMPLIANCE WITH BUY AMERICA PROVISIONS

Vendor certifies that Vendor is in compliance with all applicable provisions of the Buy America Act. Purchases made in accordance with the Buy America Act must still follow the applicable procurement rules calling for free and open competition.

Does Vendor agree? YES ☐ Initials of Authorized Representative of Vendor

CERTIFICATION OF ACCESS TO RECORDS – 2 C.F.R. § 200.336

Vendor agrees that the Inspector General of the District or any of their duly authorized representatives shall have access to any books, documents, papers and records of Vendor that are directly pertinent to Vendor's discharge of its obligations under the Contract for the purpose of making audits, examinations, excerpts, and transcriptions. The right also includes timely and reasonable access to Vendor's personnel for the purpose of interview and discussion relating to such documents.

Does Vendor agree? YES ☐ Initials of Authorized Representative of Vendor

CERTIFICATION OF APPLICABILITY TO SUBCONTRACTORS

Vendor agrees that all contracts it awards pursuant to the Contract shall be bound by the foregoing terms and conditions.

Does Vendor agree? YES ☐ Initials of Authorized Representative of Vendor

Vendor agrees to comply with all federal, state, and local laws, rules, regulations and ordinances, as applicable. It is further acknowledged that vendor certifies compliance with all provisions, laws, acts, regulations, etc. as specifically noted above.

Vendor Name: _____

Vendor Address: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

Printed Name and Title of Authorized Representative: _____

Signature of Authorized Representative: _____

Date: _____



CHECKLIST FOR CSP
**2223-01 Baxter Kitchen
Renovation Project**

- _____ Proposal Form
- _____ CSP Response Form (Page 1 & 2)
- _____ Reference Sheet
- _____ SB 9 Contractor Certification: Contractor Employees
- _____ Felony Conviction Notice
- _____ 1295 Certificate of Interested Parties
- _____ Conflict-of-Interest Questionnaire
- _____ Non-Collusion & Non-Discrimination Form
- _____ Resident and Non-Resident Form
- _____ Statement of Debarment
- _____ HB 89/SB 252 Certification Form
- _____ e n

T E BAXTER ELEMENTARY SCHOOL

KITCHEN EQUIPMENT REPLACEMENT

orcutt | winslow

222 w las colinas blvd
suite 749e
irving, tx 75039
mail@owp.com

214.396.2090 t
www.owp.com

REGISTERED ARCHITECT
BRIAN C. WINSLOW
1966
STATE OF TEXAS

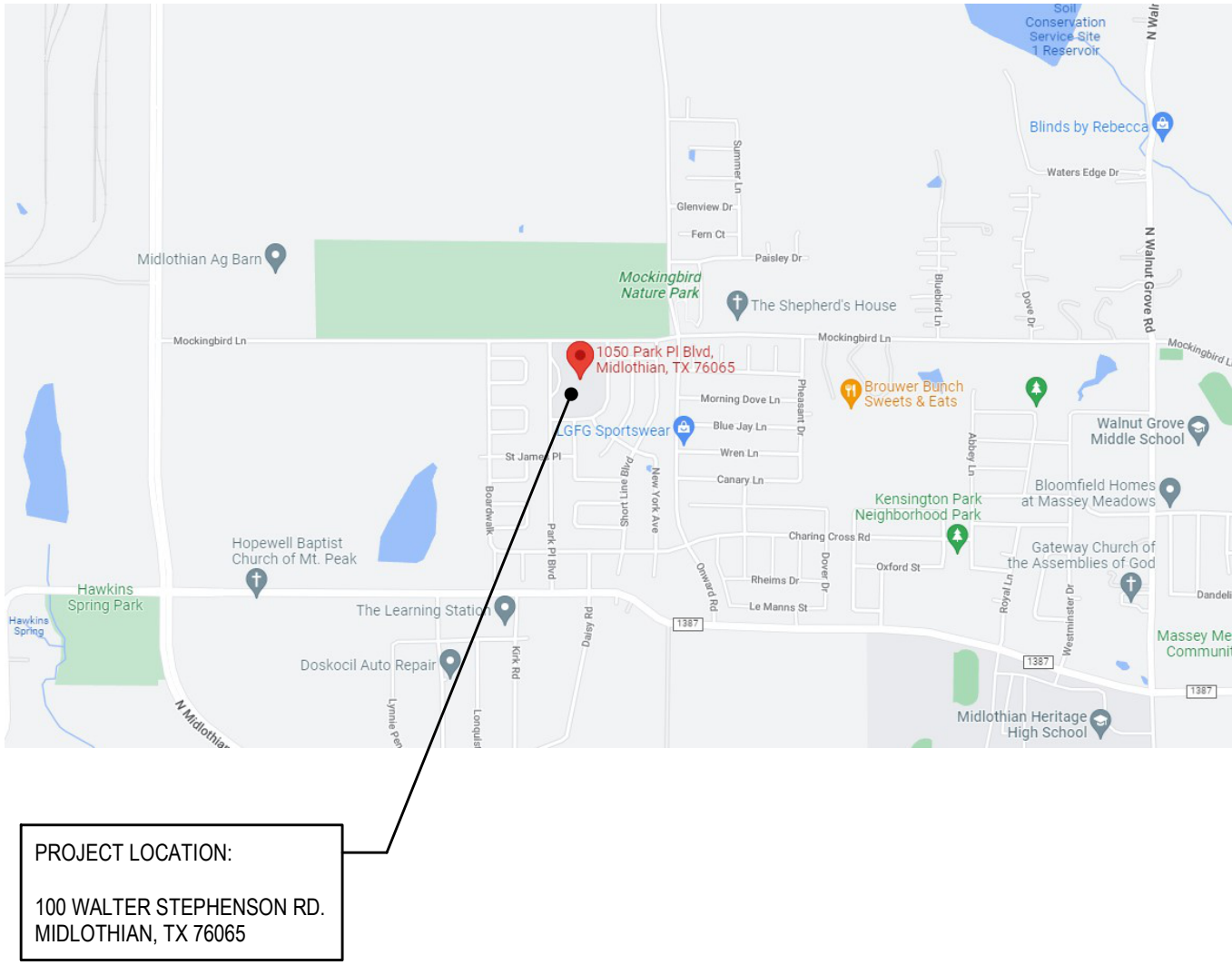
01 / 18 / 2023

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CONSULTANT INFO

MEP - RWB CONSULTING ENGINEERS
12001 N. Central Expressway, Suite 1100
DALLAS, TX 75243
Nathan Hart
nhart@rwb.net
Office: (972) 788-4222
Fax: (972) 788-0002

VICINITY MAP



PROJECT LOCATION:
1050 PARK PL BLVD.
MIDLOTHIAN, TX 76065

SHEET INDEX

general

SHEET #	DESCRIPTION	ORIG. ISSUE	REV. DELTA #	REV. DATE
G-001	TITLE SHEET	01/18/2023		
G-002	WALL TYPES/PROJECT INFORMATION	01/18/2023		

architectural

SHEET #	DESCRIPTION	ORIG. ISSUE	REV. DELTA #	REV. DATE
AD101	DEMOLITION PLANS	01/18/2023		
A-101	FIRST FLOOR PLAN	01/18/2023		
A-103	FIRST FLOOR RCP	01/18/2023		
A-601	DOOR SCHED./ELEV.	01/18/2023		
A-701	FLOOR FINISH PLAN	01/18/2023		
A-702	SPECIFICATIONS	01/18/2023		

mechanical

SHEET #	DESCRIPTION	ORIG. ISSUE	REV. DELTA #	REV. DATE
M001	SPECIFICATIONS - MECHANICAL	01/18/2023		
M100	FLOOR PLAN - LEVEL 1 - KITCHEN - HVAC	01/18/2023		

plumbing

SHEET #	DESCRIPTION	ORIG. ISSUE	REV. DELTA #	REV. DATE
P000	PLUMBING SPECIFICATIONS, LEGENDS & NOTES	01/18/2023		
P100	FLOOR PLAN - LEVEL 1 - PLUMBING	01/18/2023		

electrical

SHEET #	DESCRIPTION	ORIG. ISSUE	REV. DELTA #	REV. DATE
E000	ELECTRICAL NOTES & LEGENDS	01/18/2023		
E001	SPECIFICATIONS ELECTRICAL	01/18/2023		
E100	FLOOR PLAN - LEVEL 1 - ELECTRICAL	01/18/2023		
E200	FLOOR PLAN - LEVEL 1 - LIGHTING	01/18/2023		
E600	ELECTRICAL DETAILS	01/18/2023		
E700	LIGHT FIXTURE & PANEL SCHEDULES	01/18/2023		

T E BAXTER ELEMENTARY SCHOOL

KITCHEN EQUIPMENT REPLACEMENT

1050 PARK PLACE BLVD.
MIDLOTHIAN, TX 76065

CLIENT CONTACT
Midlothian ISD
100 Walter Stephenson Rd.
Midlothian, TX 76065
468-856-5000 T jose.martinez1@msid.gs
000-000-0001 F
OWP PROJECT NO. DATE OF ISSUE
2022-110-00 01.18.2023

REVISIONS		
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PROJECT TEAM
ED TEXAS
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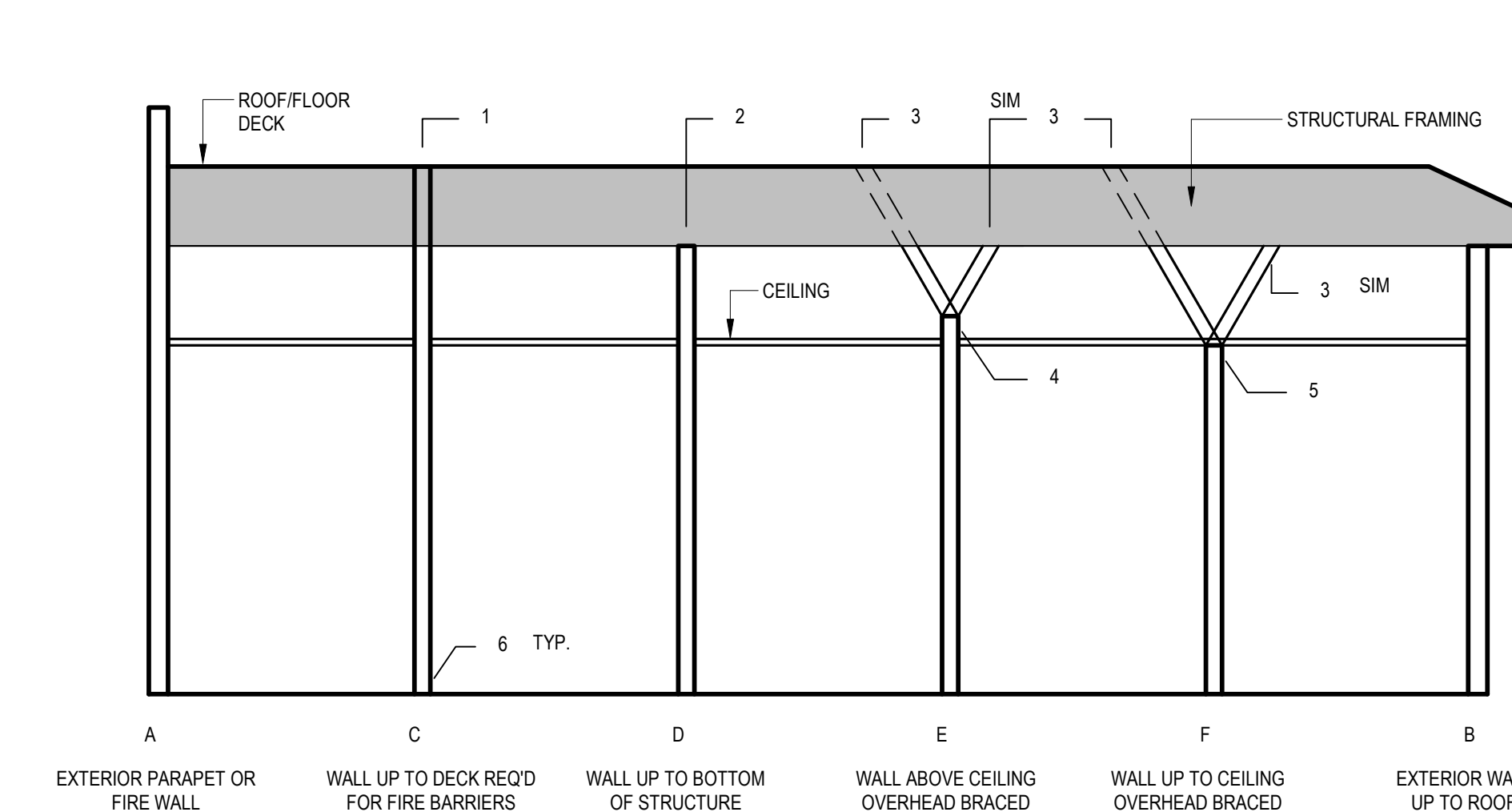
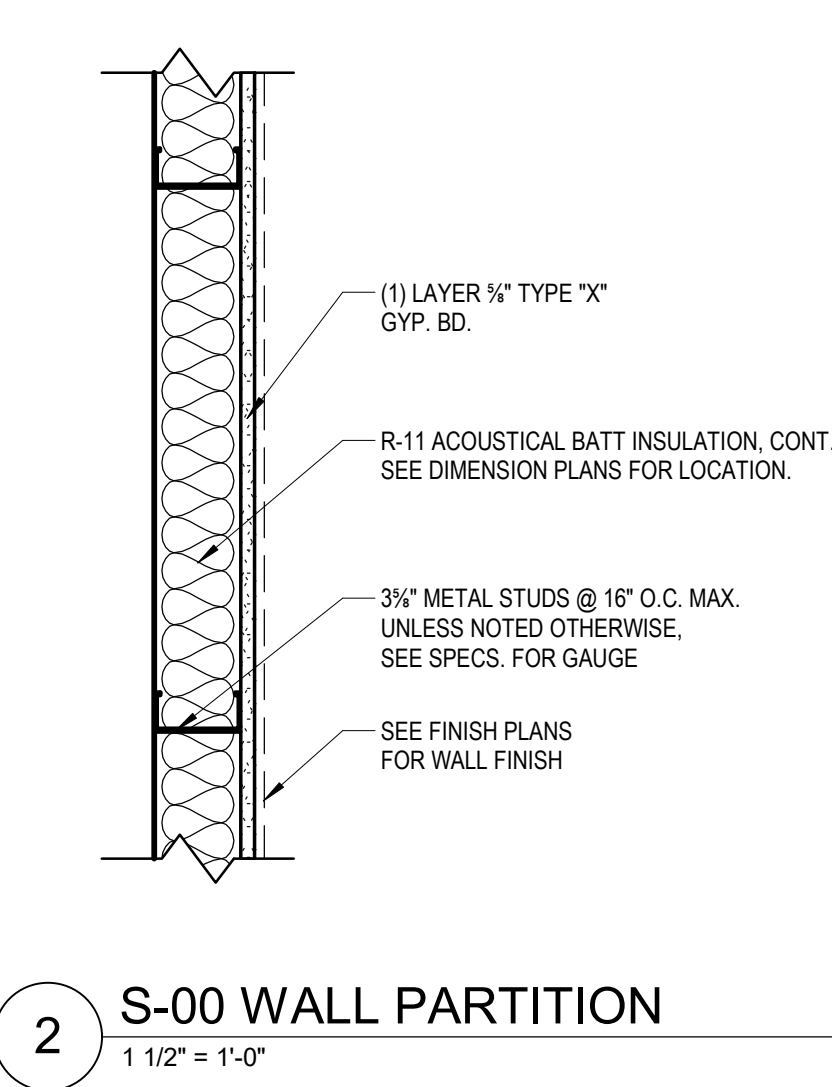
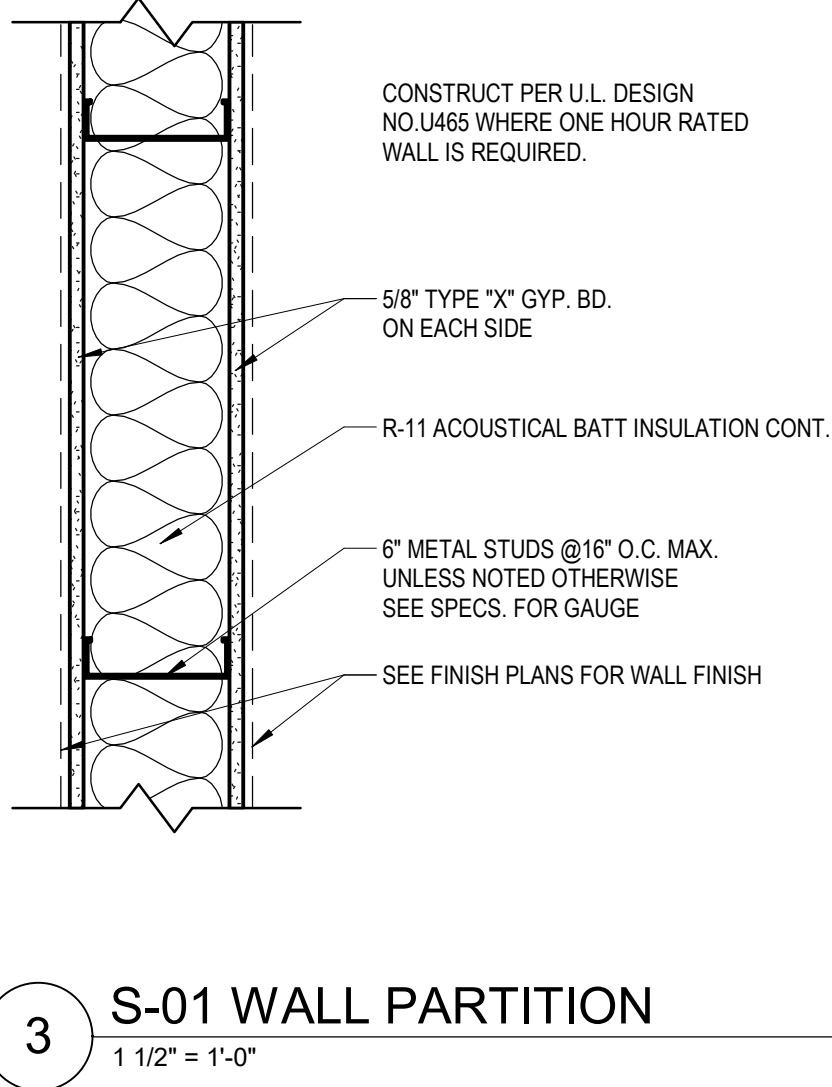
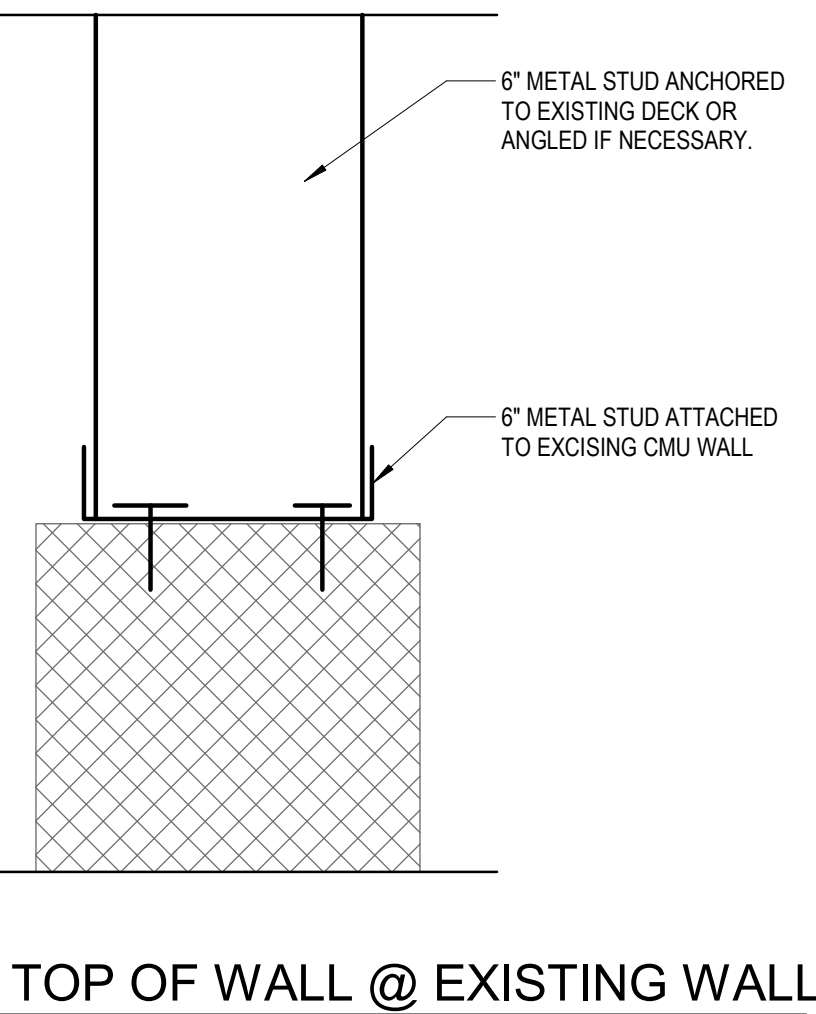
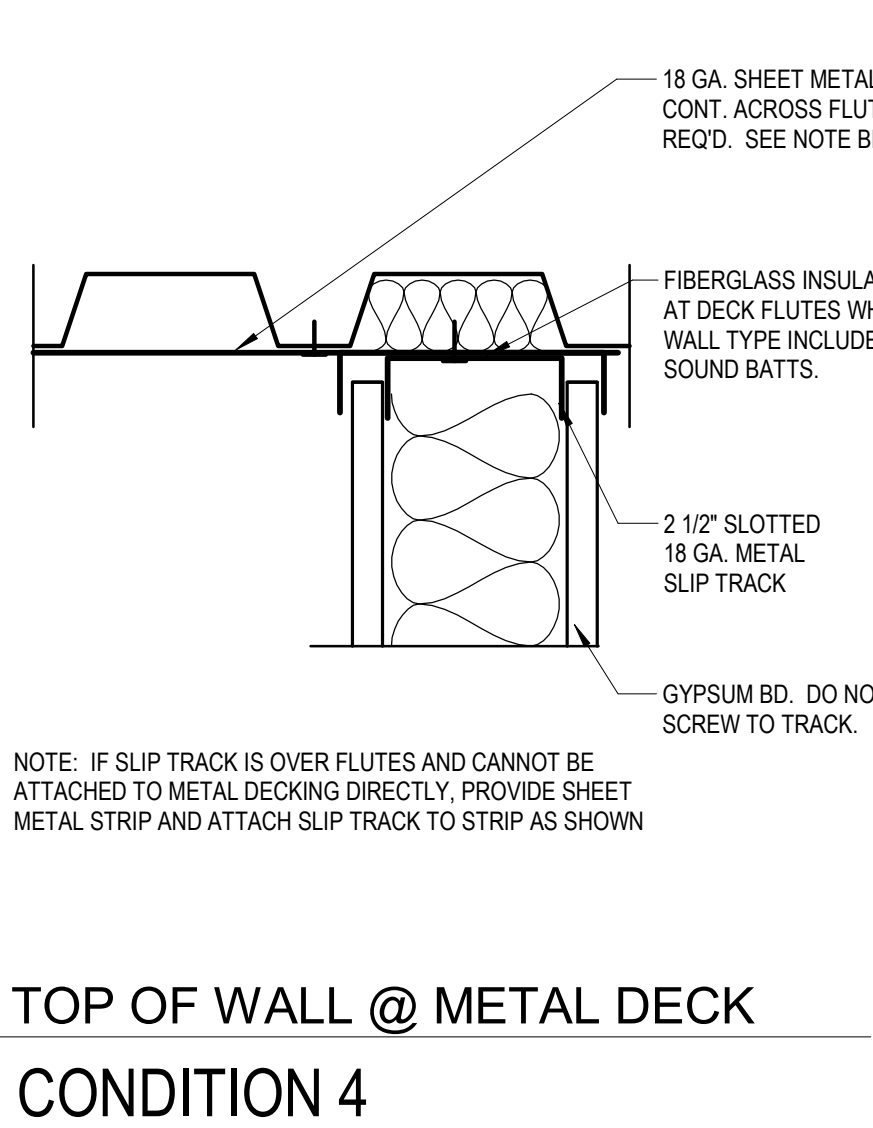
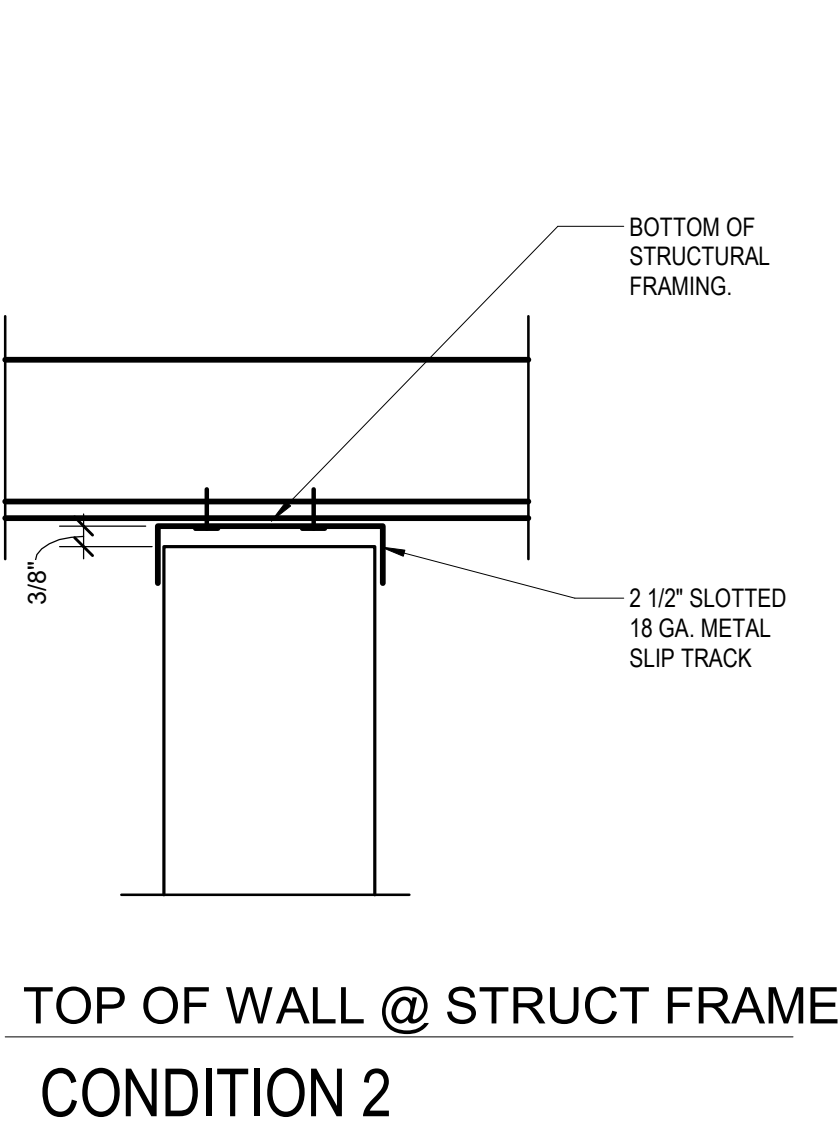
PROJECT PHASE
CONSTRUCTION DOCUMENTS

SHEET CONTENTS
TITLE SHEET

SHEET NO.

G-001

1/20/2023 12:25:27 P|lorcutt | winslow / 2022-11-00 / KITCHEN EQUIPMENT REPLACEMENT - T E BAXTER ELEMENTARY SCHOOL / SCHEMATIC DESIGN / G-002- WALL TYPES/PROJECT INFORMATION / EA
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- WALL & PARTITION GENERAL NOTES**
- All fire rated walls shall be completely and continuously constructed first, and then other non-rated walls constructed to the finished surface.
 - All fire rated walls extend full height to structure above and seal to deck, UNO. See Fire Rated Details for approved joint conditions.
 - All penetrations at smoke and fire rated assemblies shall be protected, sealed, and damped, using only UL or ICC-ES approved methods, materials and installation, as required to maintain the assembly's rating and smoke resistance. All materials and installation details shall conform to the UL listings for "through penetration fire stop systems" where applicable. The Contractor shall submit shop drawing details, furnished by the manufacturer of the fire stop material, that show complete conformance to the UL Listing, and such drawings shall be available to the Fire or Building Inspectors on-site. The drawings shall be specific for each penetration type.
 - Smoke separation walls shall form an effective membrane, continuous from outside wall to outside wall, from fire barrier to fire barrier, from smoke barrier to smoke barrier and from floor slab to floor or roof slab above, thereby providing continuity through all concealed spaces. The Contractor shall completely seal all openings where the smoke barrier abuts other smoke barriers, fire barriers, exterior walls, the floor below and the floor or ceiling above.
 - All backing support for wall mounted items shall be 16 gauge min. metal strapping, UNO.
 - Brace interior non-bearing walls to structure per Architectural Drawings.
 - Slotted slip track shall be used at all top of full-height wall conditions subject to loading by deflection of the structure above.
 - All light gauge metal framing shall be installed in strict accordance with ASTM 754 "Standard Specifications for Installation of Steel Framing Members".
 - At IDF and MDF rooms, provide 8" high fire rated plywood panels continuous at all walls as required to mount special system equipment. Paint plywood except at fire rating stamp typical.

- GENERAL NOTES**
- Do not scale drawings. Rely only on Architect's written dimensions.
 - Typical details may not be necessarily be cut on plans, but apply unless noted otherwise.
 - All work and material shall be regarded as new unless specifically indicated as "existing" or "e" on the drawings and/or within the specifications.
 - Contractor shall coordinate all trades and methods of construction as required for completion of the project with the intent of these documents.
 - All materials and unfinished surfaces exposed to view shall be painted unless factory prefinished, noted otherwise, or directed by the Architect.
 - No utilities, plumbing, piping, conduit, etc. shall be exposed without the written approval of the Architect.
 - Should dimensions be missing or conflicting, notify the Architect prior to proceeding with related work.
 - Contractor shall verify locations of utilities prior to excavating, trenching, etc. and shall repair or replace utilities damaged as a result of construction.
 - Contractor shall be responsible for all temporary shoring and bracing required during construction.
 - Security and safety are the Contractor's responsibility. Site shall be completely fenced and secured during construction.
 - No asbestos shall be used or incorporated into the project in any form.
 - Separate dissimilar metals as they occur and/or per manufacturer's recommendations.
 - Apply sealant at intersections of all dissimilar materials.
 - Contractor shall furnish and install an Orcutt | Winslow job site sign or banner per Section 150000 in a prominent location as directed by the Architect.

ABBREVIATIONS LIST

AS DESCRIBED THE US NATIONAL CAD STANDARDS MODULE 4 TERMS AND ABBREVIATIONS, INCLUDING THE FOLLOWING:

A/C	Air Conditioning/Conditioner	MAX	Maximum
AB	Anchor Bolt	MECH	Mechanical
ABC	Aggregate Base Course	MFR	Manufacturer
ACT	Acoustical Ceiling Tile	MO	Masonry Opening
AFF	Above Finish Floor	MIN	Minimum
ALT	Alternate	MISC	Miscellaneous
ALUM	Aluminum	MTL	Metal
BRG	Bearing	NIC	Not In Contract
BM	Beam	NTS	Not To Scale
BUR	Built up roof	OC	On Center
CI	Cast Iron	OD	Outside Diameter
CJ	Control Joint	OPP	Opposite
CL	Center Line	ORD	Overflow Roof Drain
CLG	Ceiling	PL	Property Line
CLR	Clear	PLAM	Plastic Laminate
CMU	Concrete Masonry Unit	PLMB	Plumbing
CO	Clean Out	PLYWD	Plywood
COL	Column	PWR	Power
CONC	Concrete	RD	Roof Drain
CONT	Continue	RO	Rough Opening
CPT	Carpet	S/S	Stainless Steel
CT	Ceramic Tile	SCHED	Schedule
DF	Drinking Fountain	SF	Square Foot
DIA	Diameter	SHT	Sheet
DM	Dimension	SIM	Similar
DS	Downspout	SPEC	Specifications
DWG	Drawing	SP	Square
ELEC	Electric	SS	Sanitary Sewer
EJ	Expansion Joint	STD	Standard
EL	Elevation	STRUCT	Structural
EQ	Equal	SUSP	Suspended
EXIST	Existing	T&G	Tongue and Groove
EXT	Exterior	TEMP	Temporary
FD	Floor Drain	TMPD	Tempered
FDC	Fire Department Connection	TOS	Top of Beam
FEC	Fire Extinguisher Cabinet	TCC	Top of Curb/Concrete
FIN FLR	Finished Floor	TOJ	Top of Joist
FIN GR	Finished Grade	TOM	Top of Masonry
FIN	Finish	TOS	Top of Steel
FLR	Floor	TOW	Top of Wall
GA	Gage	TYP	Typical
GAL	Galvanized	UNO	Unless Noted Otherwise
GLU LAM	Glue Laminated Wood	VCT	Vinyl Composition Tile
GYP	Gypsum	VERT	Vertical
GYP BD	Gypsum Board	WC	Water Closet
HB	Hose Bibb	WD	Wood
HM	Hollow Metal	WH	Water Heater
HORIZ	Horizontal	WWF	Welded Wire Fabric
HVAC	Heating/Ventilating/Air Conditioning		
ID	Inside Diameter		
INFO	Information		
INT	Interior		
LAV	Lavatory		
LLH	Long Leg Horizontal		
LLG	Long Leg Vertical		
LVR	Louver		

DEFERRED SUBMITTALS

Per IBC 107.3.4.1 DEFERRED SUBMITTALS

Documents for Deferred Submittal items shall be submitted to the Registered Design Professional in Responsible Charge, who shall review and forward them to the Building Official with a notation indicating that the Deferred Submittal Documents have been reviewed and been found to be in general conformance to the design of the building. The Deferred Submittal items shall not be installed until the design and submittal documents have been approved by the Building Official.

FIRE PROTECTION

Fire Protection systems to be approved by [Enter AHJ] Fire Department and Development Services Department.

Fire Alarm System

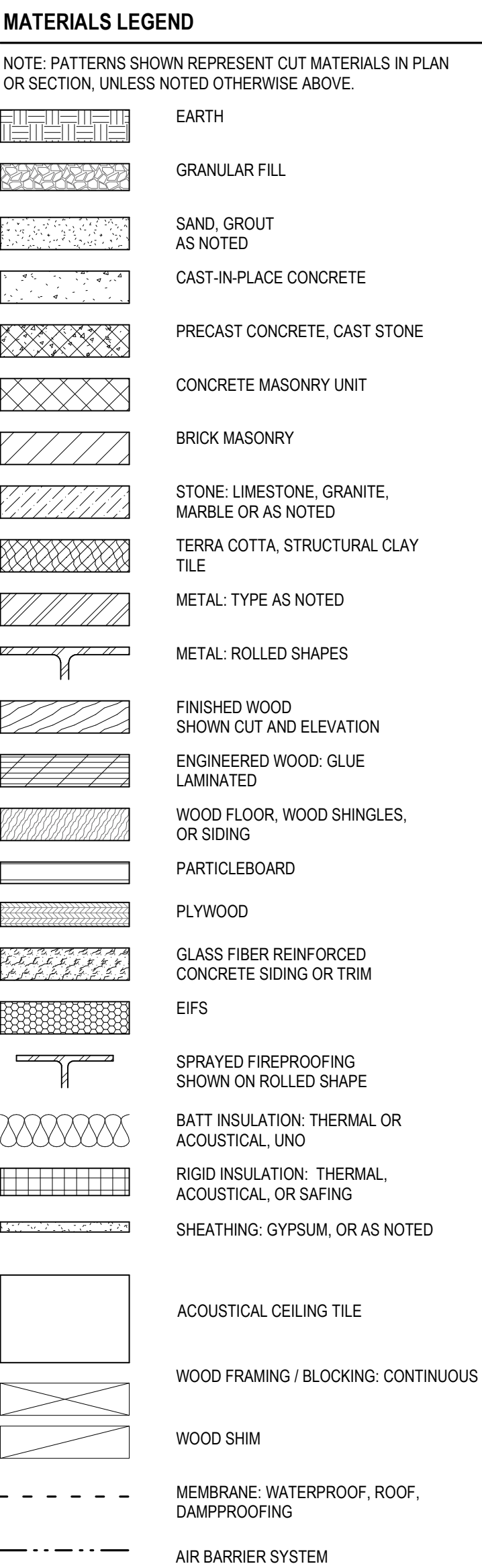
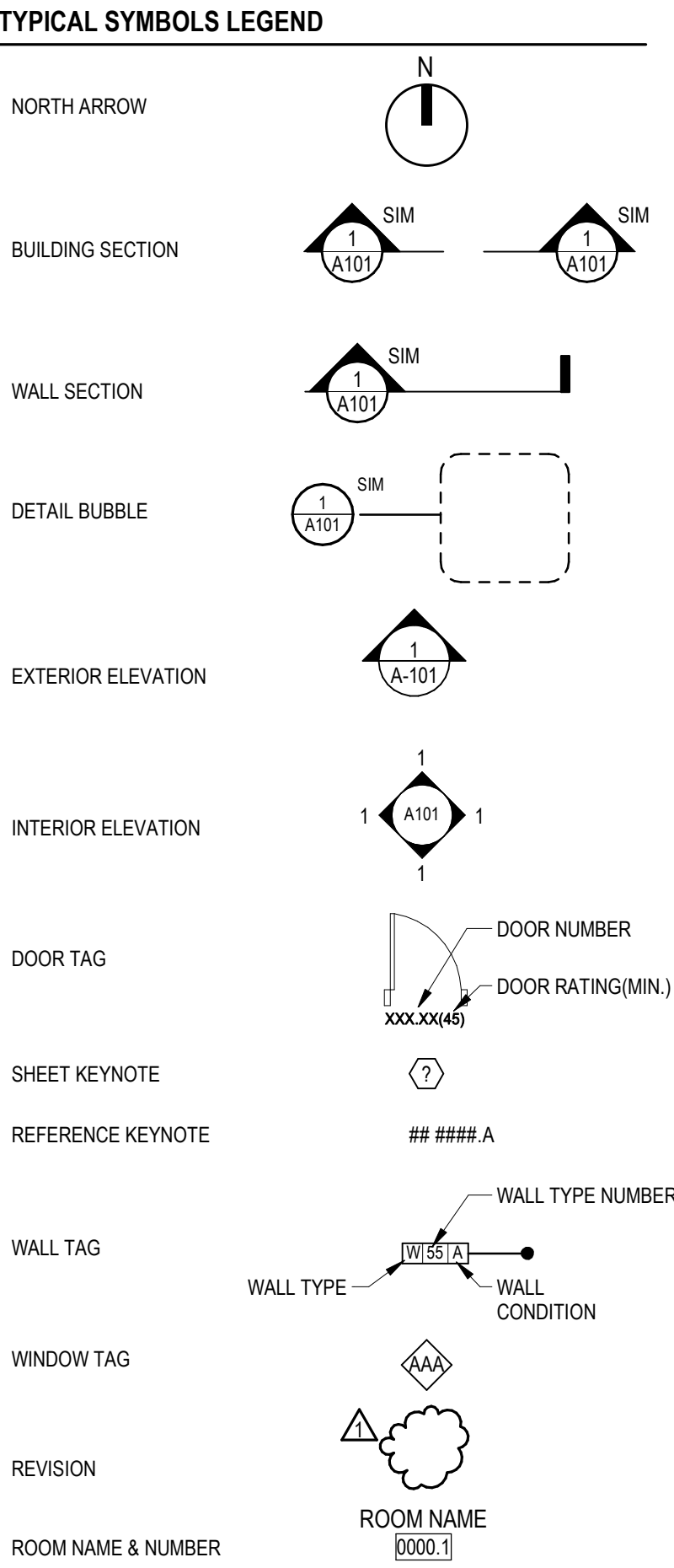
Provide shop drawings, separate permit submittal, and permit fees for the fire alarm system modifications in the building. Agency review and separate additional permit may be required prior to starting any work on the fire alarm system.

Fire Sprinkler System

Provide shop drawings, flow testing, separate permit submittal, and permit fees for the fire sprinkler system modifications in the building per NFPA-13. Provide one copy of permitted drawings to Architect. A separate additional Permit may be required prior to starting any work on the fire sprinkler system.

STRUCTURAL

Submit Shop Drawings per Section 13300 for review by the Structural Engineer. **Open-Web Steel Joists** per Structural Drawings



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GENERAL SHEET NOTES

- A. Sawout and remove existing concrete floor slab to accommodate new utility work. Compact trench backfill and patch floor slab to match existing.
- B. Coordinate demolition with new construction. All demolition and repair necessary to accomplish new construction shall be included. Contractor shall remove all existing improvements whether or not specifically indicated on the drawings to facilitate the completion of all required work. Contractors shall visit the site and verify all quantities and items required to be removed.
- C. Where gypsum board is to remain, patch, tape and float portion of wall to match adjacent new finish.
- D. Contractor to coordinate demolition so all wiring, conduit, equipment, etc. to remain is not damaged. Certain items may be temporarily removed and replaced later during course of restoration. General Contractor will be required to incorporate this work into their schedule. The systems may include, but are not limited to the following: EMS/controls, electrical power and lighting, data, audiovisual, security, intercom, CATV, etc. Contractor to tag and loop wire to remain back to control panels, typical.
- E. Any plumbing to be demolished shall have piping terminated above finished ceiling, below finished floor, and behind finished walls. All drain/waste/vent piping to be capped and sealed at all openings per requirements of AHJ.
- F. Remove existing ceiling grid, suspension wires, lighting fixtures, conduits, exit signs, speakers, smoke detectors, curtain tracks, HVAC diffusers and return grilles, and any other ceiling mounted apparatus in all areas of demolition, UNO.
- G. Remove floor and wall covering typical throughout areas of demolition (UNO) and any other areas as affected by demolition/new construction. Parge, float and/or prepare floor and wall surfaces to receive new finishes.
- H. Contractor shall remove and replace any fireproofing or firestopping damage during demolition or new construction to conform to proper rating.
- I. Contractor shall provide full height temporary partitions with UL rating as needed to separate the construction activity, noise, and dirt from adjacent areas (refer to proposed Phasing Plan).
- J. Contractor shall coordinate any shutdown required during demolition with Owner.
- K. Contractor to maintain or repair fire and smoke ratings of existing floor, roof and wall assemblies throughout.

orcutt | winslow

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01 / 18 / 2023

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SHEET KEYNOTES

- 001 REMOVE SERVING LINE RETURN TO OWNER
- 002 REMOVE DOOR AND FRAME CAREFULLY NOT DAMAGE EXISTING CONDITIONS TYP.
- 003 REMOVE SMALL TRAY RETURN STEEL ROLL-UP DOOR
- 004 REMOVE DISH WASHER MACHINE AND HOOD RETURN DISH WASHER MACHINE TO OWNER
- 005 MOVE EXISTING ICE MACHINE TO CAFETORIUM FOR NEW FLOOR INSTALLATION TYP.
- 006 REMOVE BRAISING PAN RETURN TO OWNER
- 007 REMOVE COMBI OVEN STACKED RETURN TO OWNER
- 008 REMOVE STACKED OVENS RETURN TO OWNER
- 009 REMOVE SMALL TABLE WARMER AND TWO BURNER TOP RETURN TO OWNER
- 010 REMOVE 3 COMPARTMENT SINK CAP ALL WATER LINES RETURN TO OWNER
- 011 ALL STAINLESS STEEL TABLES AND RACKS ARE NOT IN CONTRACT. MOVE TO CAFETORIUM FOR NEW FLOOR INSTALLATION TYP.
- 012 REMOVE CMU WALL FULL HEIGHT. DIAMOND BLADE SAW CUT WALL ONLY
- 013 REMOVE SINGLE PASS-THRU COOLER REFRIGERATOR RETURN TO OWNER
- 014 REMOVE DOUBLE PASS-THRU WARMER CABINET RETURN TO OWNER
- 017 MOVE EXISTING COMPARTMENT SINK TO CAFETORIUM FOR NEW FLOOR INSTALLATION TYP.
- 018 PROTECT STAINLESS STEEL OPENING DURING DEMOLITION
- 020 EXISTING WALL FINISH TO REMAIN. PROTECT DURING CONSTRUCTION

DEMOLITION LEGEND

- EXISTING WALLS, STRUCTURE, WINDOWS, ETC. TO REMAIN
- EXISTING WALL TO BE REMOVED
- EXISTING DOOR & FRAME TO BE REMOVED
- LINE OF EXISTING WALK, STAIR, FURNITURE OR OTHER SIMILAR ITEM TO BE REMOVED
- NO WORK AREA

T E BAXTER ELEMENTARY SCHOOL

KITCHEN EQUIPMENT REPLACEMENT

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MIDLOTHIAN, TX 76065

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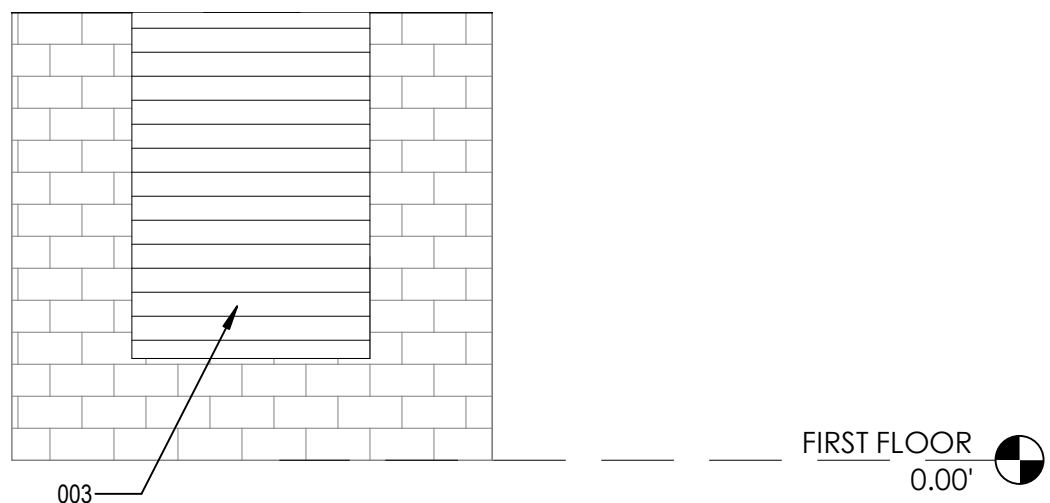
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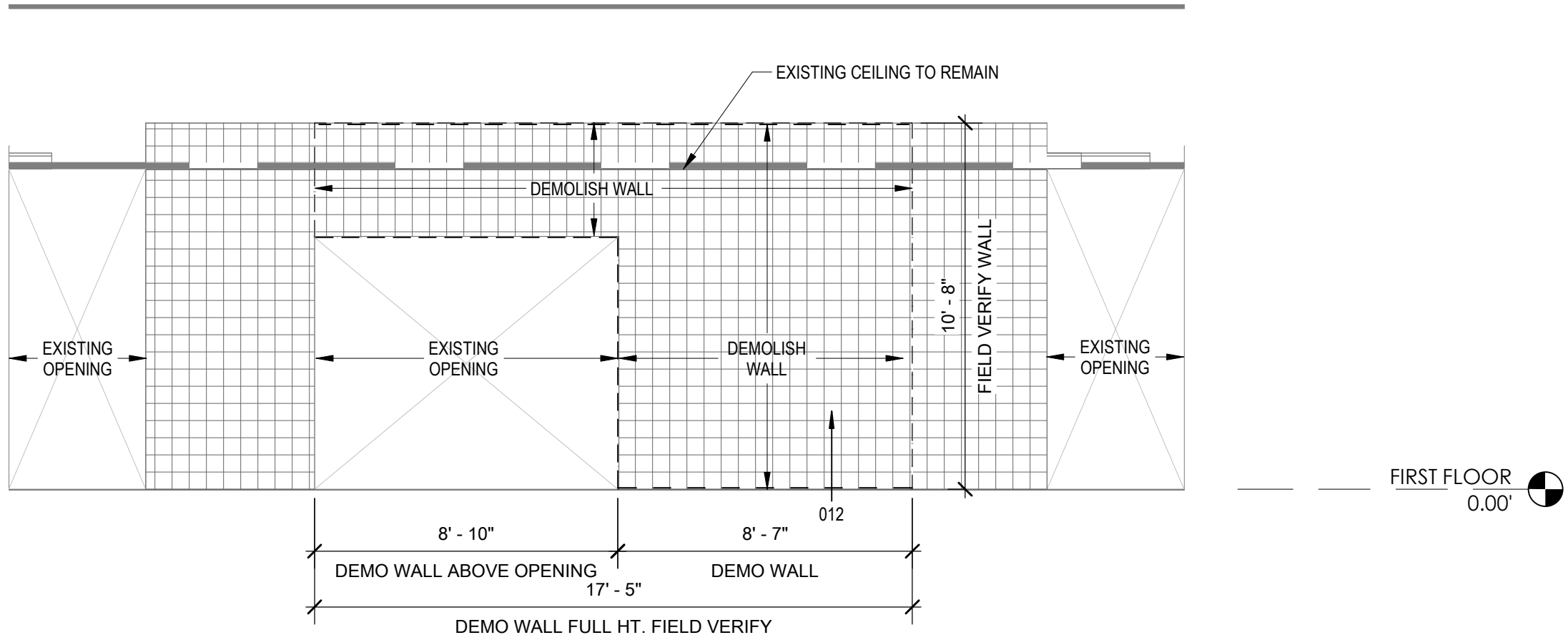
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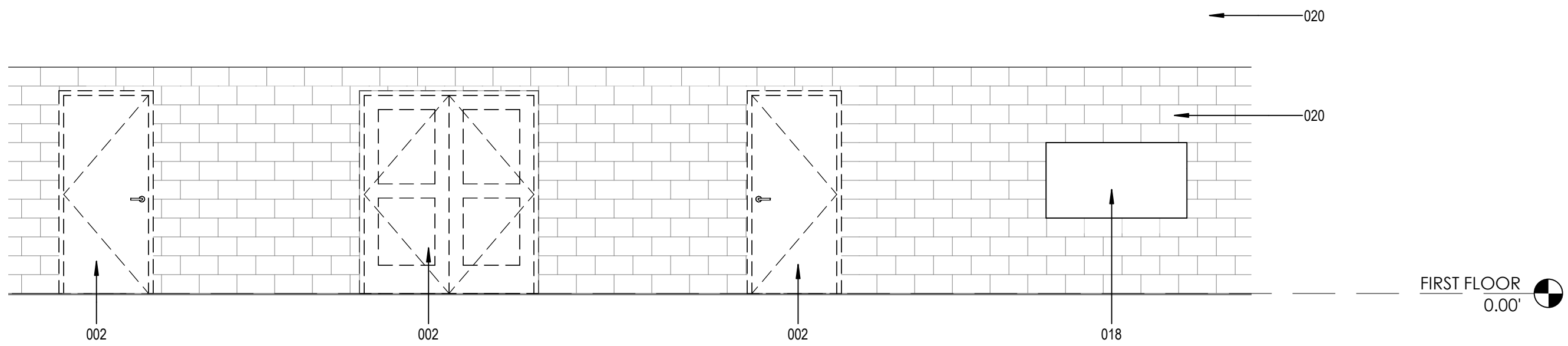
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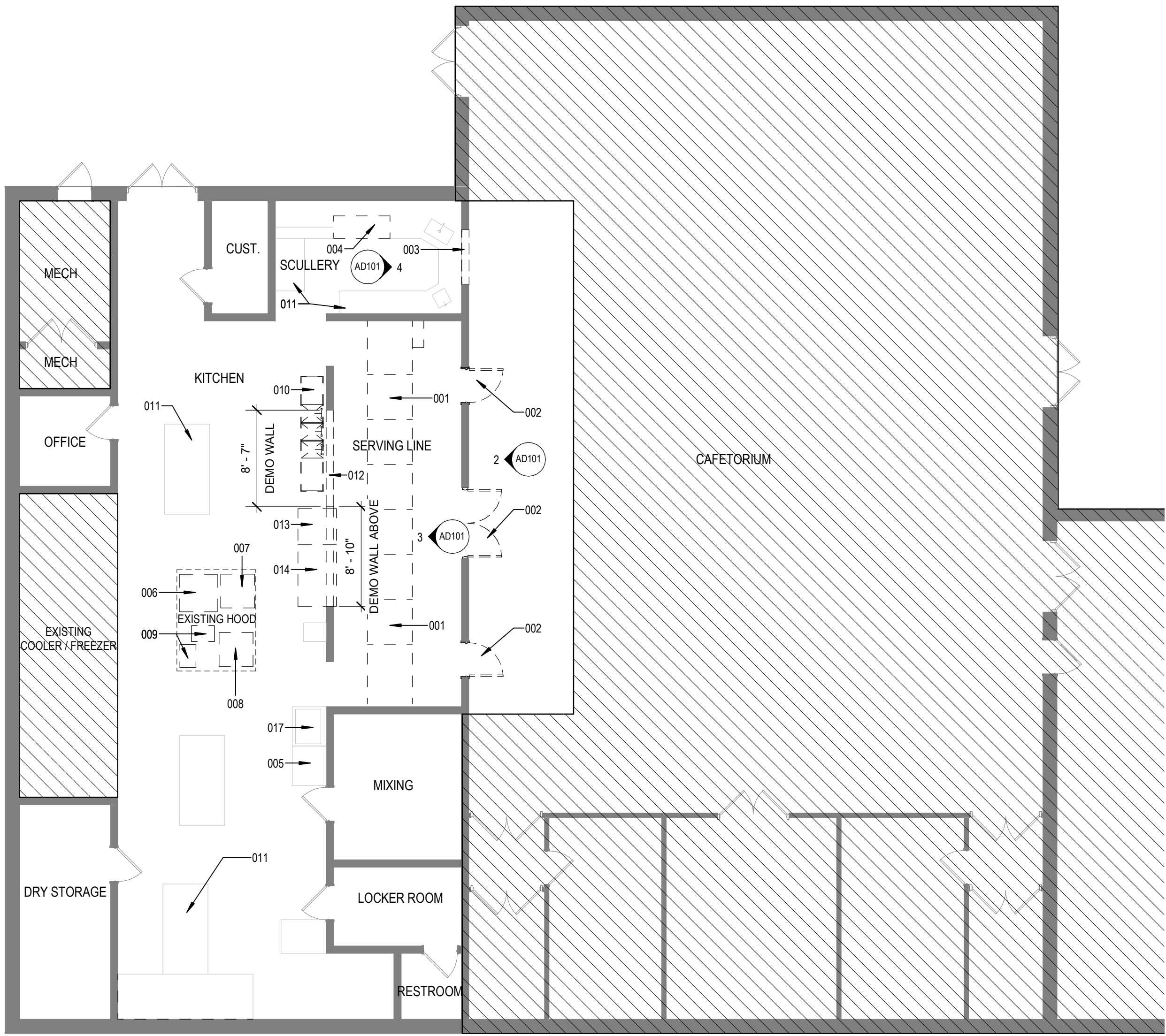
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1/4" = 1'-0" REF 1 / AD101



3 DEMO ELEVATION KITCHEN
1/4" = 1'-0" REF 1 / AD101

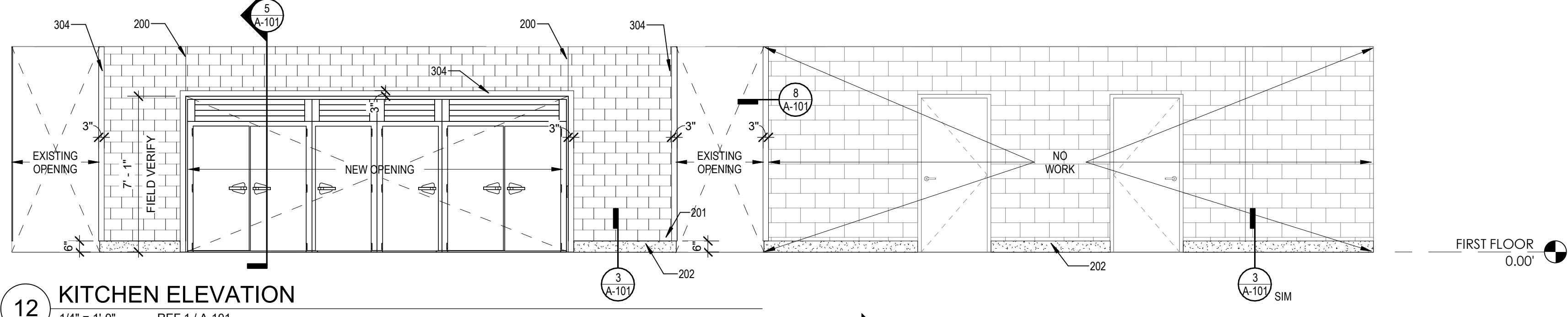


2 DEMO ELEVATION WALL CAFETORIUM
1/4" = 1'-0" REF 1 / AD101

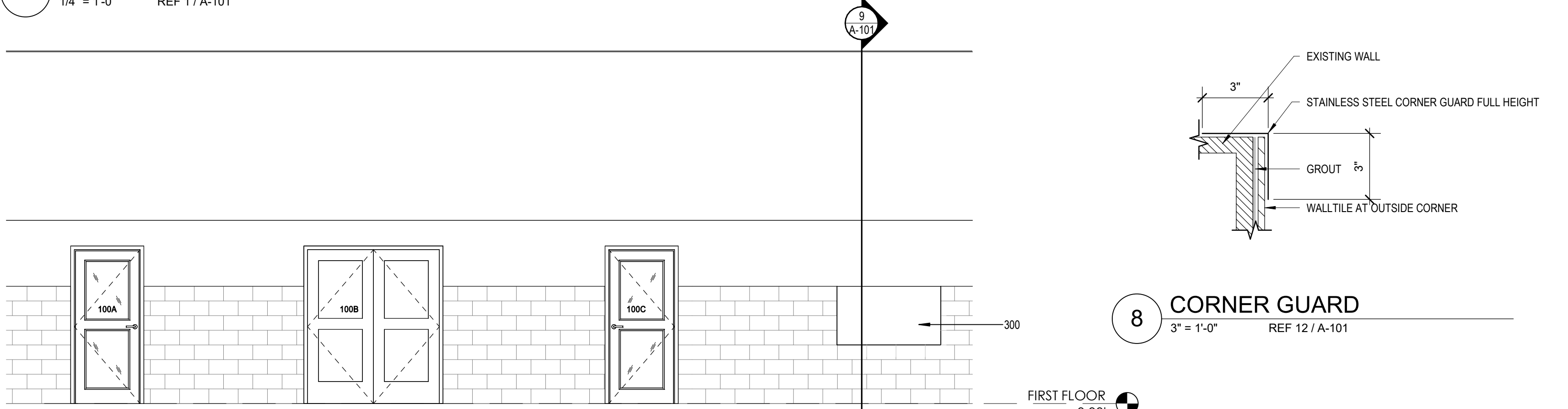


1 FIRST FLOOR DEMO PLAN
1/8" = 1'-0" REF 5 / A-101

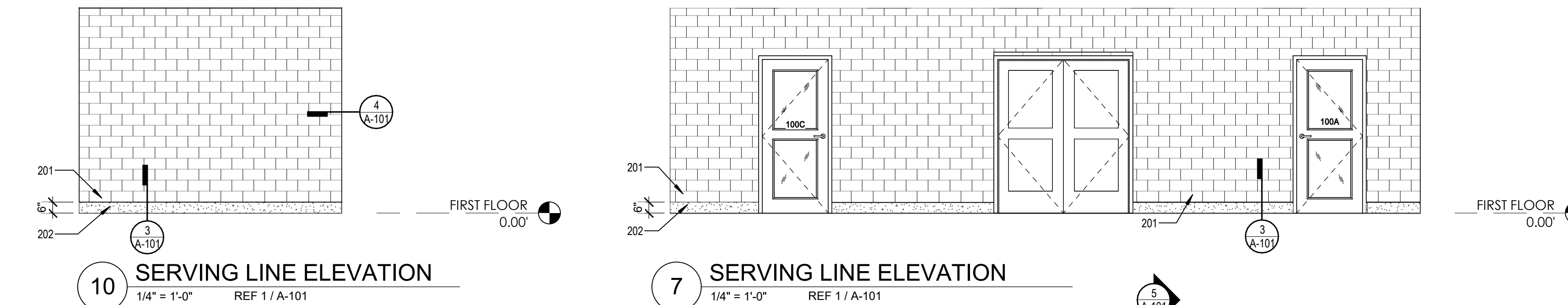
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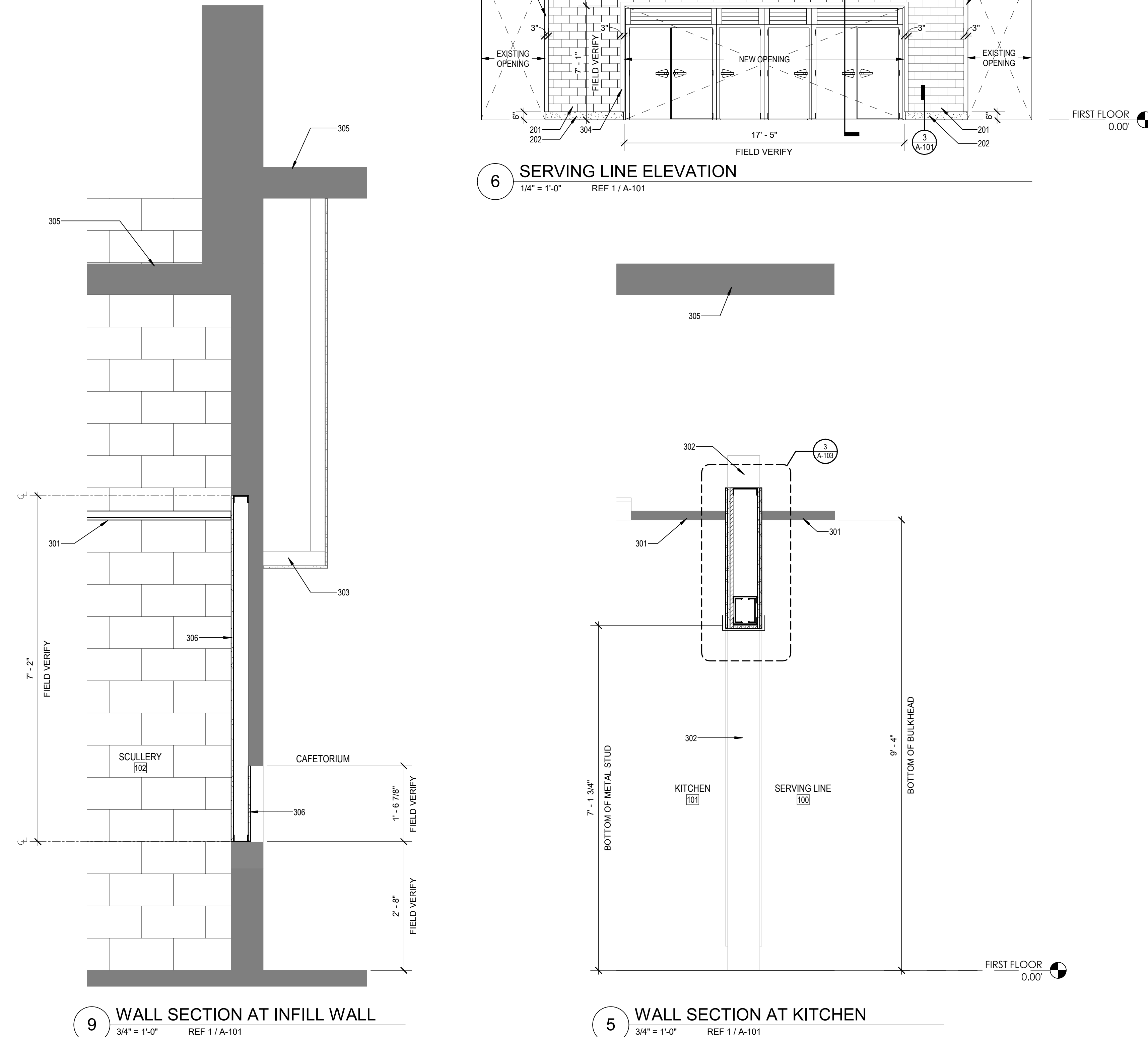
12 KITCHEN ELEVATION
1/4" = 1'-0" REF 1 / A-101



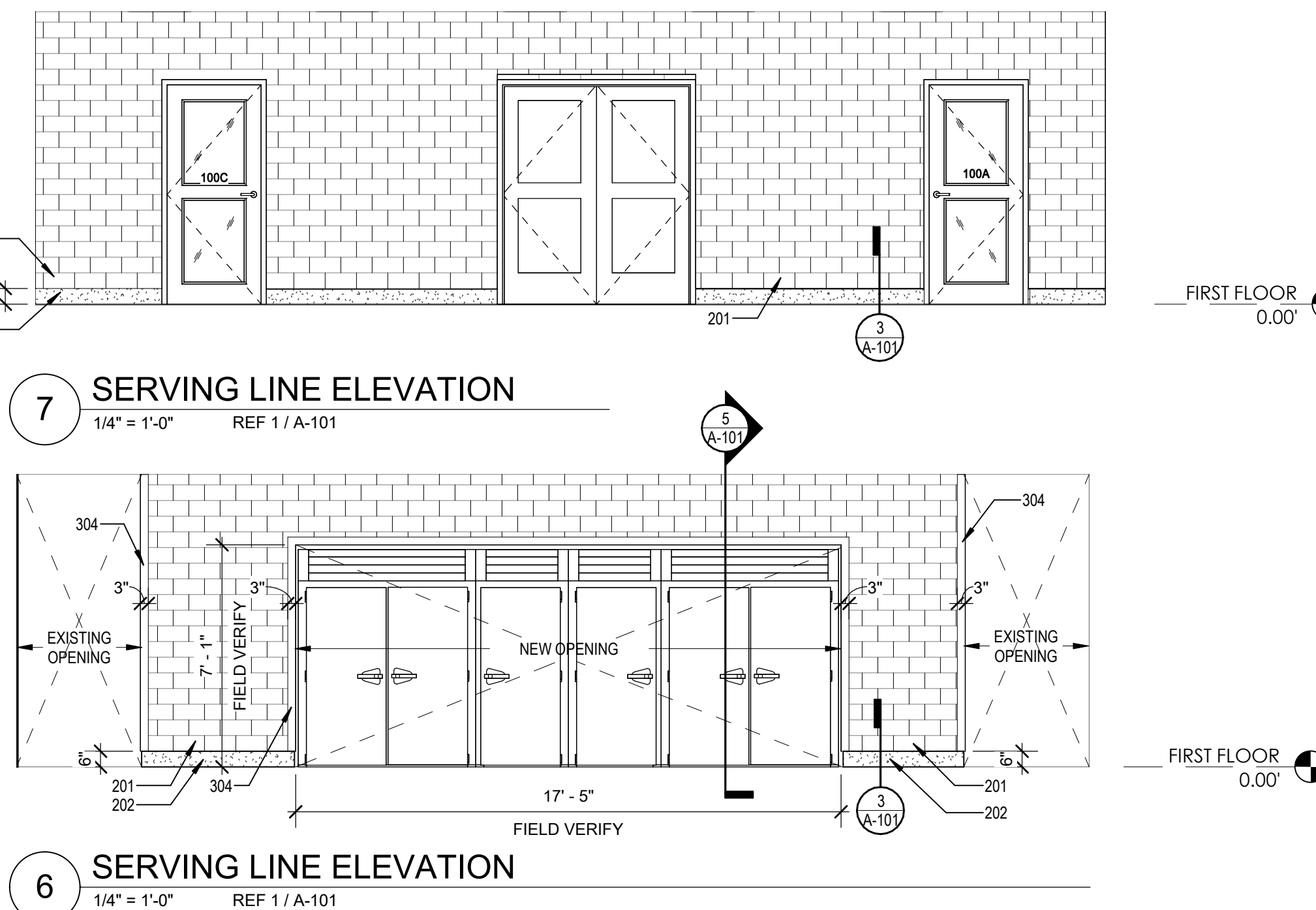
11 CAFETORIUM ELEVATION
1/4" = 1'-0" REF 1 / A-101



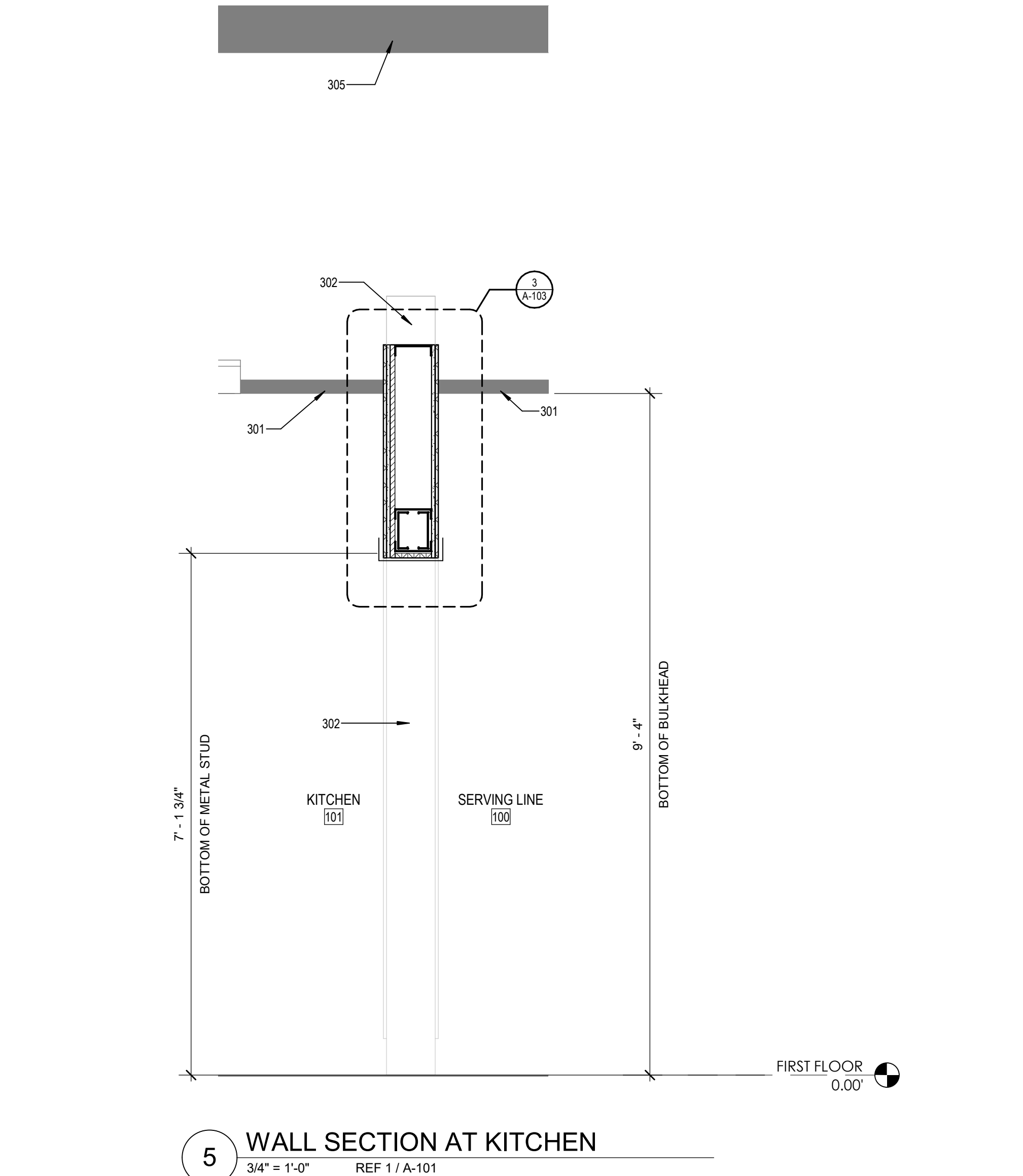
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1/4" = 1'-0" REF 1 / A-101



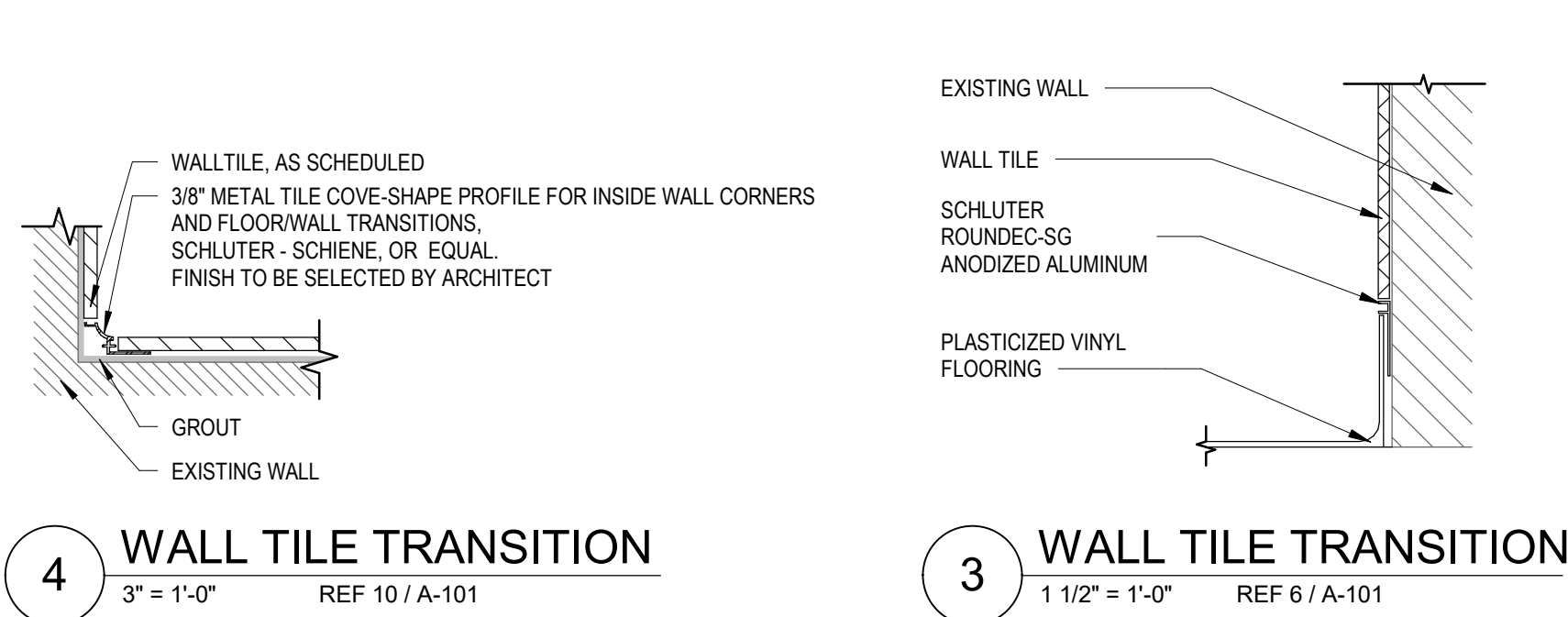
9 WALL SECTION AT INFILL WALL
3/4" = 1'-0" REF 1 / A-101



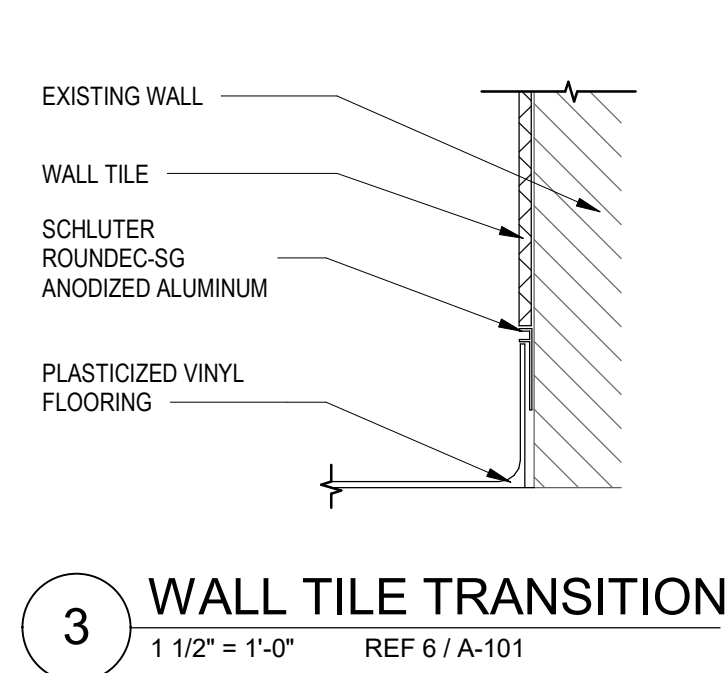
6 SERVING LINE ELEVATION
1/4" = 1'-0" REF 1 / A-101



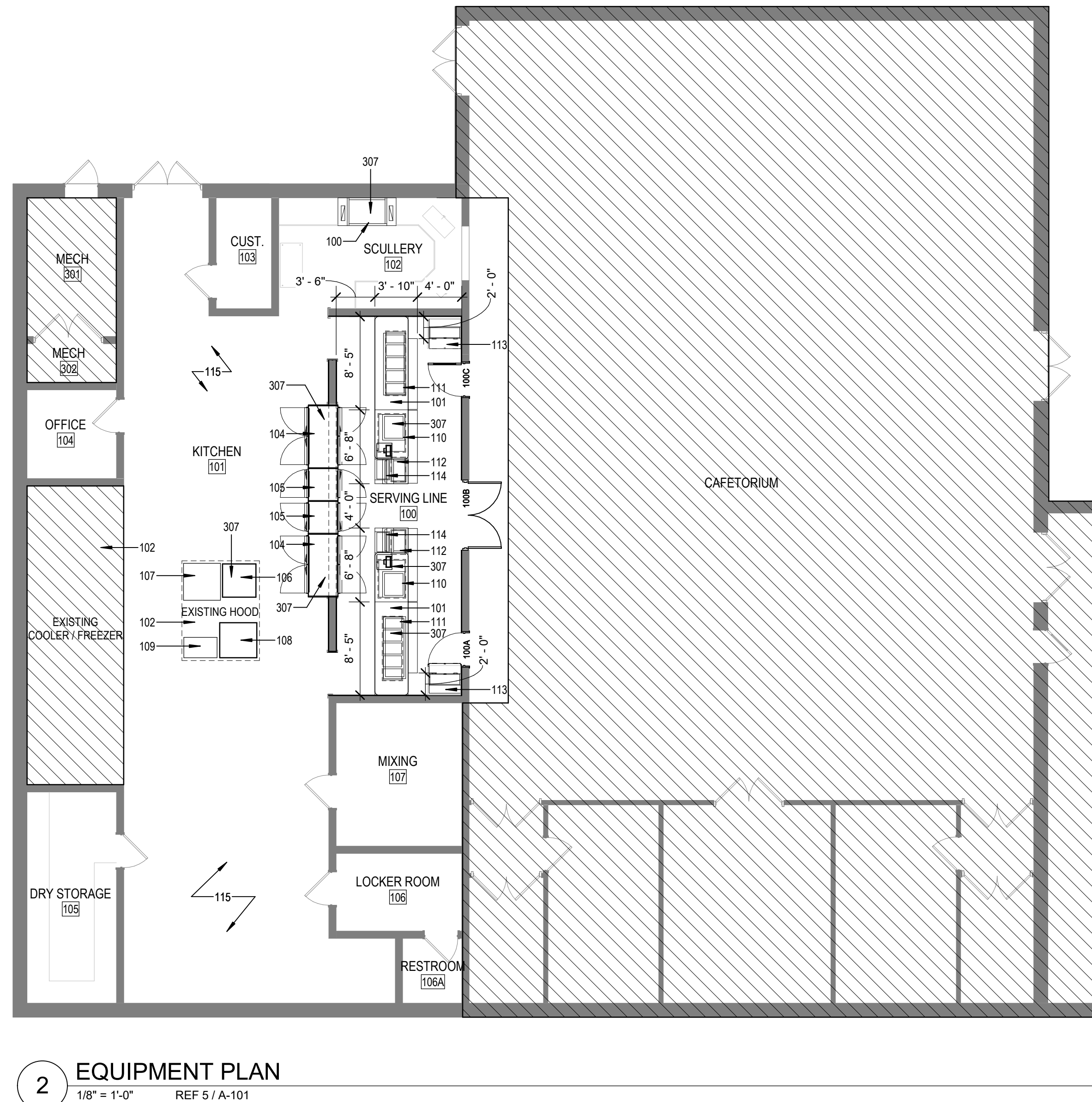
5 WALL SECTION AT KITCHEN
3/4" = 1'-0" REF 1 / A-101



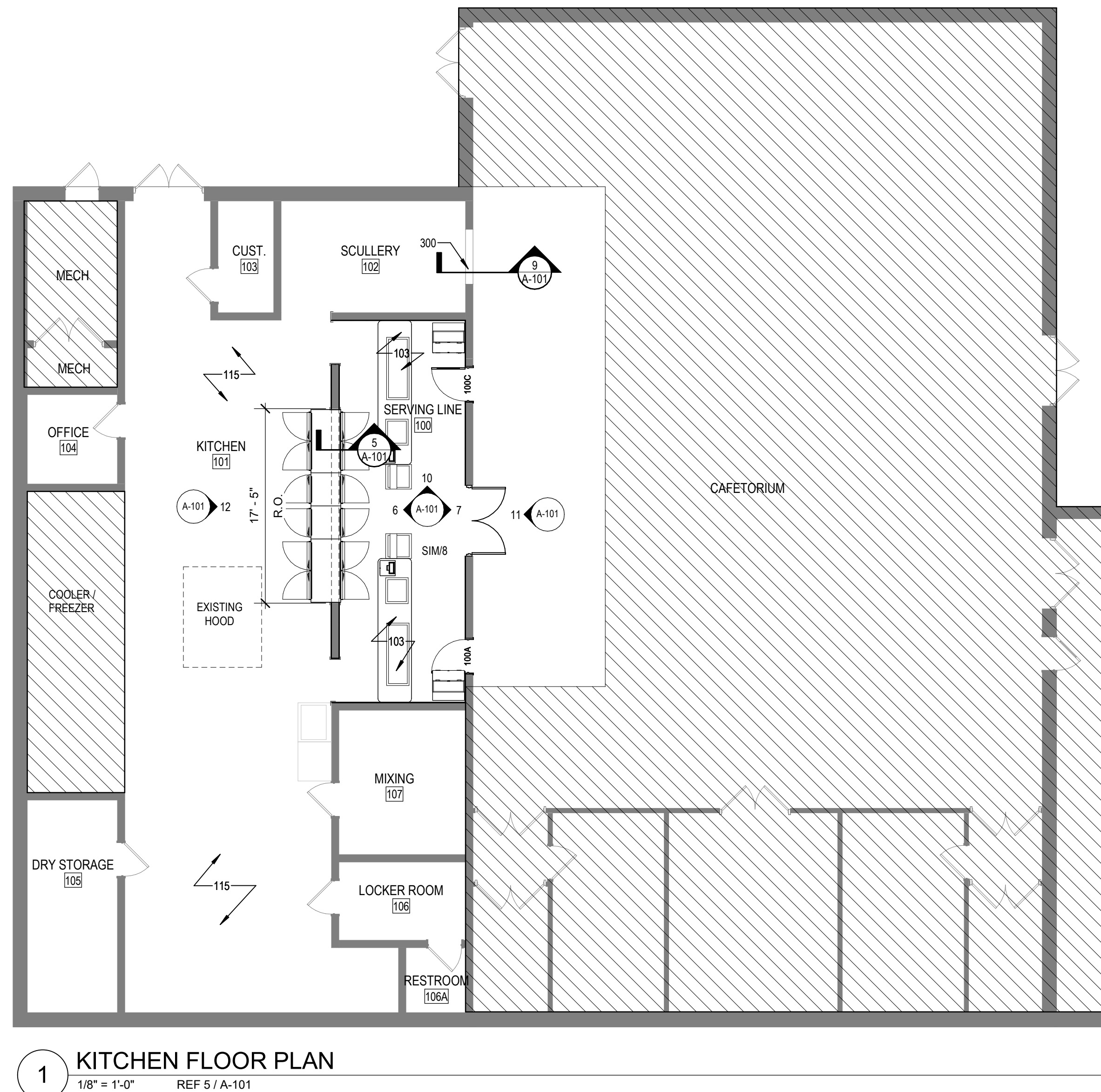
4 WALL TILE TRANSITION
3" = 1'-0" REF 10 / A-101



3 WALL TILE TRANSITION
1 1/2" = 1'-0" REF 6 / A-101



2 EQUIPMENT PLAN
1/8" = 1'-0" REF 5 / A-101



1 KITCHEN FLOOR PLAN
1/8" = 1'-0" REF 5 / A-101

- GENERAL SHEET NOTES
- Keynotes and legends are typical for all floor plan sheets, and may not apply to each sheet.
 - Dimensions are to face of masonry, concrete and [studs OR gypsum board] and centerline of columns unless noted otherwise.
 - Field verify all dimensions prior to fabrication of any cabinetry, frames, structural items, etc.
 - Provide painted access panels in walls and ceilings at concealed items, such as valves, shock absorbers, controls, switches, etc., and any other items that may require access. It is the Contractor's responsibility to determine access panel locations.
 - Seal all penetrations in fire rated assemblies as required by all applicable codes. Permanently label all penetrations and assemblies.
 - Verify and coordinate all requirements for owner furnished items, prior to performance of any work that is to accommodate and interface with such items.
 - All angles are increments of 45 degrees unless noted otherwise.
 - Provide "Try" reveal FDM 625-75 or equal at all gypsum board to masonry or concrete transitions.
 - All frame walls to be Type [S01C OR CHOOSE TYPE] and all furring walls to be [F01E OR CHOOSE TYPE], unless noted otherwise.

- SHEET KEYNOTES
- DISH WASHER MACHINE HOBART MODEL# CL44N-BAS ELECTRIC. SEE MEP DRAWINGS FOR FURTHER INFORMATION CONTRACTOR PROVIDED & INSTALL
 - FLAT TOP UNIT MODEL# MCT-F1 8'-5" CONTRACTOR PROVIDED & INSTALL
 - CLEAN AND POLISH EXISTING HOOD, FREEZER, AND COOLER EXTERIOR ONLY
 - CLEAN EXISTING FLOORING IN SERVING LINE AND KITCHEN FOR NEW FLOOR INSTALLATION. SEE FINISH FLOOR SCHEDULE
 - TRAUlsen DOUBLE ROLL-THRU HOT HOLDING CABINETS MODEL# RH423LP CONTRACTOR PROVIDED & INSTALLED
 - TRAUlsen SINGLE ROLL-THRU REFRIGERATOR COOLER MODEL# RH132LP CONTRACTOR PROVIDED & INSTALLED
 - COMBI OVEN STACKED MODEL# TCM102E NOT IN CONTRACT
 - TILTING SKILLET BRAISING PAN VULCAN MODEL# VE40 OWNER NOT IN CONTRACT
 - DOUBLE DECK ELECTRIC CONVECTION OVENS VULCAN MODEL# V044E SERIES CONTRACTOR PROVIDED & INSTALLED
 - PLUS SERIES AND VULCAN STANDS MODEL# 28XSGL NOT IN CONTRACT
 - 12" DEEP RECESS COLD UNIT TO (2) 18 X 36 PANS
 - ALTO-SHAAM DRY HOT WELLS MODEL# 500-HWIDE
 - ICE CREAM UNIT #MCT-DH-C-2010 WITH CLEAR LIDS
 - EXISTING TRAUlsen MODEL# RMC3456 MILK COOLER MOVE FOR NEW FLOOR INSTALLATION TO CAFETORIUM
 - POS LOCATION WITH LARGE CASH DRAWER AND MONEY HOLDER TRAY
 - REMOVE AND CLEAN ALL CAMERAS AND REINSTALL PER MANUFACTURE REQUIREMENTS TYP.
 - CONTROL JOINT AT WALL TILE
 - START WALL TILE 6" ABOVE FINISH FLOOR TYP.
 - PLASTICIZED VINYL, ALUMINUM OXIDE GRAINS AND SILICON CARBIDE GRAINS WITH A GLASS FIBER REINFORMENT BASE. SEE FINISH SCHEDULE
 - PAINT GYPSUM BOARD TO MATCH EXISTING CONDITIONS
 - CEILING TILE AND GRID
 - WALL BEYOND
 - EXISTING BULKHEAD WALL. PROTECT DURING DEMOLITION AND CONSTRUCTION
 - STAINLESS STEEL CORNER COVER/CASE OPENING
 - EXISTING ROOF DECK
 - 5/8" GYPSUM BOARD ON 3 5/8" METAL STUD. SEE PARTITION WALL TYPE 2/G-002
 - ANY CHANGES TO KITCHEN EQUIPMENT SHOWN ON DRAWINGS CONTACT ARCHITECT/OWNER TYP.

- FLOOR PLAN LEGEND
- NO WORK AREA
 - EXISTING WALLS

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REGISTERED ARCHITECT
STATE OF TEXAS
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KITCHEN EQUIPMENT REPLACEMENT

T E BAXTER ELEMENTARY SCHOOL

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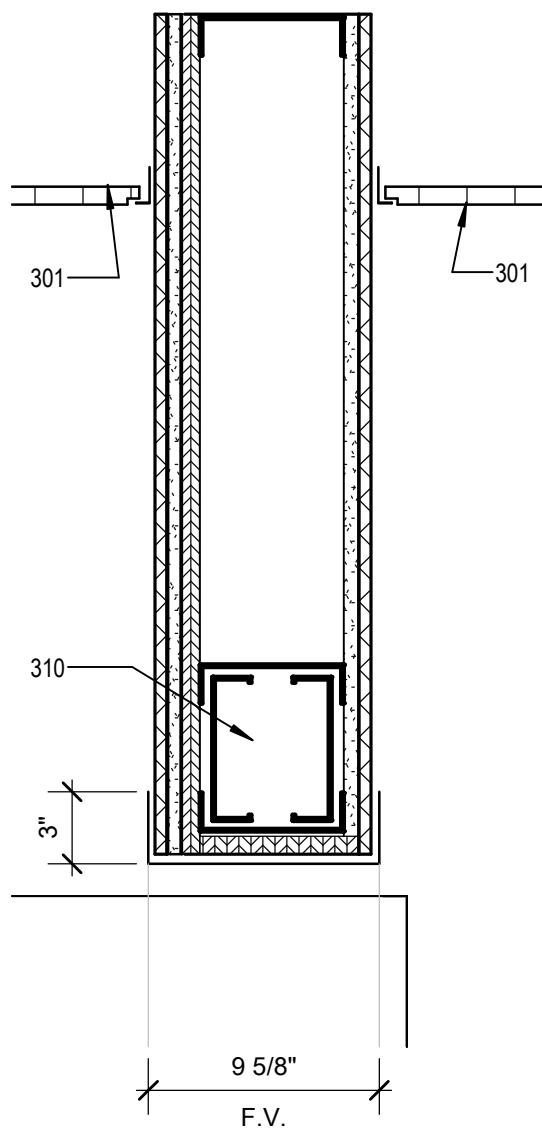
PROJECT PHASE
CONSTRUCTION DOCUMENTS

SHEET CONTENTS
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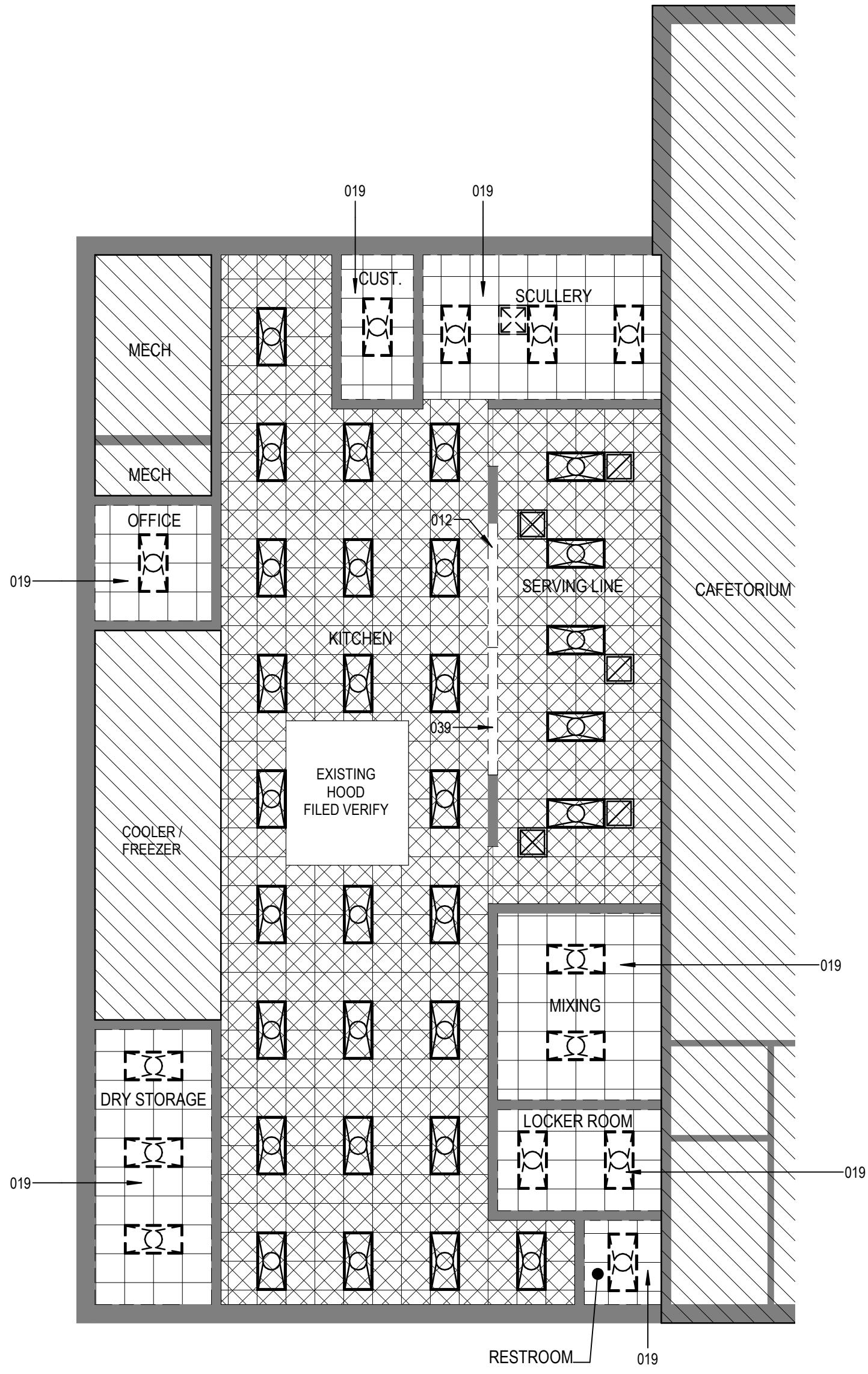
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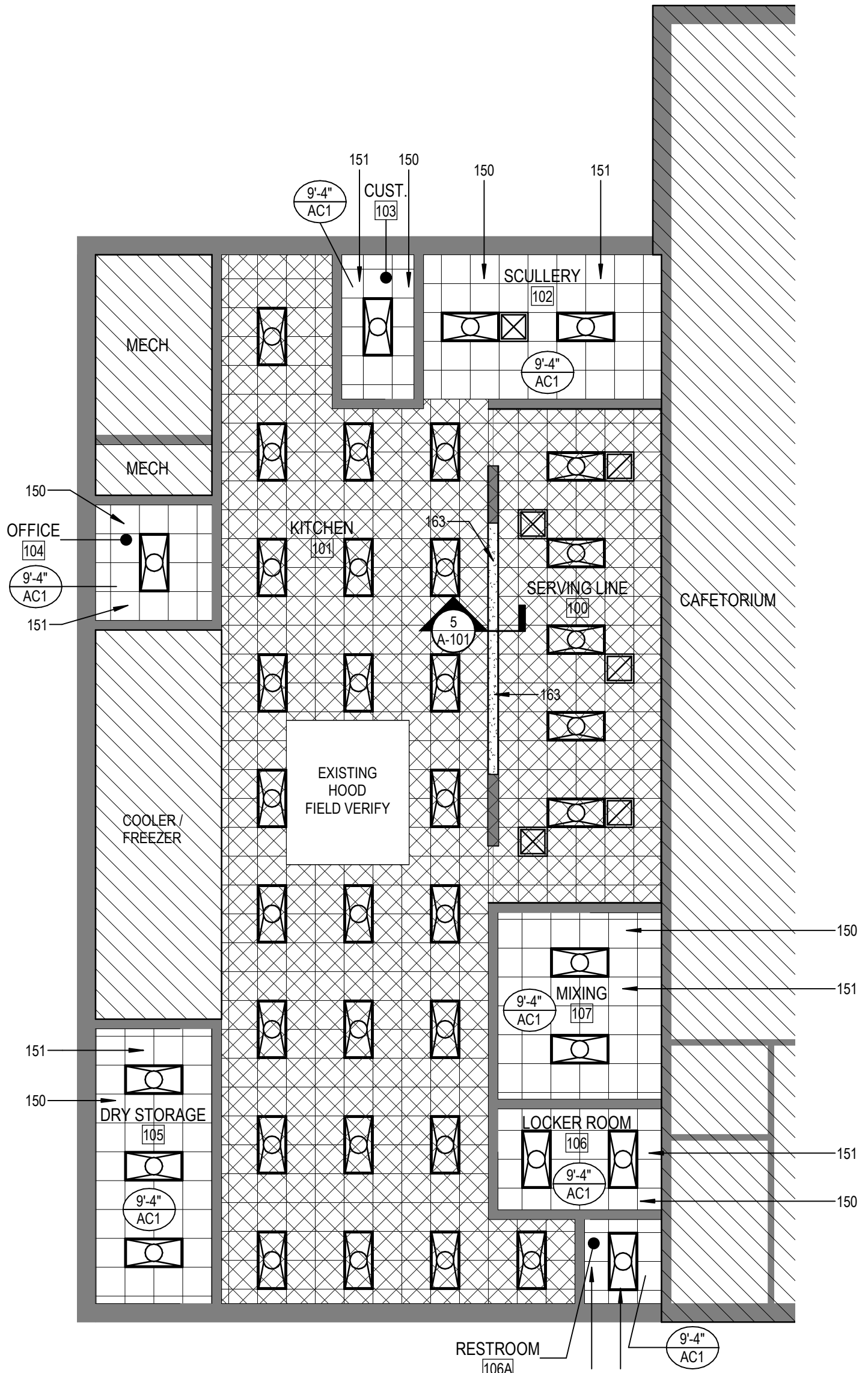
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3 BULK HEAD DETAIL
1 1/2" = 1'-0" REF 5 / A-101



2 DEMOLITION RCP
1/8" = 1'-0" REF 5 / A-101



1 REFLECTED CEILING PLAN
1/8" = 1'-0" REF 5 / A-101

GENERAL SHEET NOTES

- A. Ceilings and other suspended items shall be attached to structure by fully embedded or "shear" connection; pull out connections are not acceptable.
- B. All gypsum board ceilings shall be 5/8" type 'X' gypsum board on light gauge framing or suspension system.
- C. Ceiling and soffit heights noted on Reflected Ceiling Plans, are above finish floor.
- D. Center all devices, sprinkler heads, etc. in ceiling tiles.
- E. All soffits over casework to extend 1" beyond the face of casework.
- F. Provide continuous sound batt insulation above all toilet room ceilings.
- G. Fire sprinkler contractor shall reference all drawings and specifications for determining proper coverage and sprinkler head layout/design.
- H. Reveal molding to be used at all intersections of different materials. All soffit reveals shall be a continuation of vertical wall reveals.
- I. Refer to electrical drawings for location of reused, relocated, existing or new light locations. Patch all GWB ceilings with new gypsum wall board where damaged or removed for new work. Match existing depth, finish and color of ceiling to be patched.
- J. Ceiling heights indicated in existing areas are approximate. Maximize where possible. Where ceiling grids are to extend, match existing height, direction, manufacturer, style, color and type of grid.

SHEET KEYNOTES

- 012 REMOVE CMU WALL FULL HEIGHT. DIAMOND BLADE SAW CUT WALL ONLY
- 019 REMOVE CEILING TILE, GRID, AND LIGHT FIXTURE
- 039 REMOVE CMU BULKHEAD
- 150 KITCHEN CEILING TILE VINYL COATED / CLEANABLE AND GRID TYP. SEE SPECIFICATIONS
- 151 REF. ELEC FOR SUPPLY AND RETURN AIR GRILLS TYP.
- 163 ADJUST CEILING TO INTALL NEW BULKHEAD
- 301 CEILING TILE AND GRID
- 310 6" METAL STUD BOX BEAM

REFL. CEILING LEGEND

- OPEN EXPOSED TO STRUCTURE ABOVE
- HEIGHT ABOVE FINISHED FLOOR
- CEILING TYPE
- CEILING MOUNTED 2x4 LED
- RECESSED LED DOWNLIGHT
- 1X4 LED HANG LIGHT
- SUPPLY DIFFUSER (SEE MECH.)
- RETURN DIFFUSER (SEE MECH.)
- EMERGENCY LIGHT (SEE ELEC.)
- CEILING MOUNTED EMERGENCY EXIT LIGHT (SEE ELEC.)
- WALL MOUNTED EMERGENCY EXIT LIGHT (SEE ELEC.)

RCP LEGEND

- NO WORK AREA
- EXISTING RCP AND LIGHT FIXTURES TO REMAIN

DEMOLITION LEGEND

- EXISTING LIGHT FIXTURE TO BE REMOVED (SEE MECH.)
- EXISTING GRID TO BE REMOVED
- REMOVE SUPPLY DIFFUSER (SEE MECH.)
- REMOVE RETURN DIFFUSER (SEE MECH.)

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01 / 18 / 2023

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OWP PROJECT NO. DATE OF ISSUE
2022-110-00 01.18.2023

REVISIONS	DELTA	DESCRIPTION	DATE
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PROJECT TEAM
ED TEXAS

DRAWN BY
EA

PROJECT PHASE
CONSTRUCTION DOCUMENTS

SHEET CONTENTS
FIRST FLOOR RCP

SHEET NO.

1/20/2023 12:25:25 PM Orcutt | Winslow / 2022-11-01 / KITCHEN EQUIPMENT REPLACEMENT - T E BAXTER ELEMENTARY SCHOOL / SCHEMATIC DESIGN / A-601- DOOR SCHED/ELEV / EA
C:\Users\lavina.e\Documents\2022_110MBEK_R22_avina.e.rvt

DOOR AND FRAME SCHEDULE																
Door Number	Door Size			Panel			Frame				Door Rating	Glazing Type	Hardware Set	Door Accessories	Function	Remarks
	Width	Height	Thickness	Type	Material	Finish	Type	Material	Finish	Stile Width						
FIRST FLOOR																
100A	36"	84"	1 3/4"	G2	AL	AA	F1	AL	AA			TEMP 553AS	(none)	(none)		FIELD VERIFY DOOR FRAME JAMB SIZE. SEE DOOR HARDWARE No. 553AS
100B	72"	84"	1 3/4"	G2	AL	AA	F2	AL	AA			TEMP 553AS	(none)	(none)		FIELD VERIFY DOOR FRAME JAMB SIZE. SEE DOOR HARDWARE No. 553AS
100C	36"	84"	1 3/4"	G2	AL	AA	F1	AL	AA			TEMP 553AS	(none)	(none)		FIELD VERIFY DOOR FRAME JAMB SIZE. SEE DOOR HARDWARE No. 553AS
Total Doors: 3																

HARDWARE GROUP NO. 553AS
For use on Door #s: 100A, 100B, AND 100C

Provide each SGL door(s) with the following:			CATALOG NUMBER
QTY	DESCRIPTION		
3	EA HINGE		SB01 4.5 X 4.5 (HW @ 3/16" & LGR, 1EA EVERY 30")
1	EA CLASSROOM SECURITY		ND7STD SPA.XN12-035
2	EA PERMANENT CORE		23-030 - KEYED AS DIRECTED BY DISTRICT
1	EA OH STOP		100S - SIZE AS REQ
1	EA NOTE		SEAL BY DOOR/FRAME MFG

HARDWARE NOTE:
DOOR # 100B - USE A PAIR OF HINGES

GENERAL SHEET NOTES

- A. Fire Protection Glazing - Glazing in Fire Window assemblies shall be fire protection rated in accordance with the requirements of IBC section 715.
- B. Safety Glazing - All glazing at hazardous locations subject to human impact loads shall comply with IBC section 2406.
- C. Refer to Accessible Details for plumbing fixtures and accessories installation.

DOOR PANEL MATERIAL

AL	ALUMINUM
HC	HOLLOW CORE WOOD
HM	HOLLOW METAL
SC	SOLID CORE WOOD
STD	MANUFACTURER'S STANDARD
ZO	OTHER, SEE SPECS

DOOR PANEL FINISH

ANODIZED ALUMINUM	AA
PLASTIC LAMINATE	PL
PAINTED METAL	PM
MANUFACTURER'S STANDARD	STD
WOOD VENEER - PAINTED	WP
WOOD VENEER - PREFINISHED	WV
OTHER, SEE SPECS	ZO

DOOR FRAME MATERIAL

AL	ALUMINUM
HM	WELDED HOLLOW METAL
KD	KNOCK DOWN FRAME
MFR	FRAME BY MANUFACTURER
WD	WOOD

DOOR FRAME FINISH

AA	ANODIZED ALUMINUM
PL	PLASTIC LAMINATE
PM	PAINTED METAL
STD	MANUFACTURER'S STANDARD
WP	WOOD VENEER - PAINTED
WV	WOOD VENEER - PREFINISHED
ZO	OTHER, SEE SPECS

DOOR GLASS TYPE

FRG	FIRE RATED GLASS
LSG	LAMINATED SAFETY GLASS
MR	MIRROR
PC	POLYCARBONATE
TG	TEMPERED GLASS

DOOR ACCESSORIES

AO	AUTOMATIC / LOW ENERGY OPERATOR
CR	CARD READER CONTROLLER
EH	ELECTRIFIED HARDWARE LOCKSET
ES	ELECTRIC STRIKE
HO	MAGNETIC HOLD OPEN
KP	KEY PAD CONTROLLER
PB	PUSH BUTTON CONTROLLER
PS	POSITION INDICATOR SWITCH

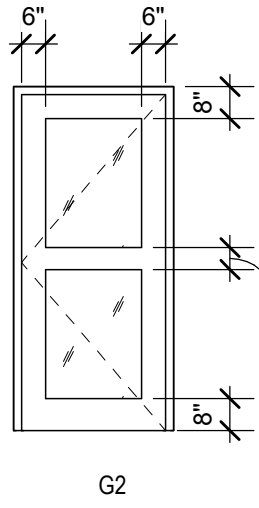
RATING

20, 45, 60 ASSEMBLY RATING IN MINUTES

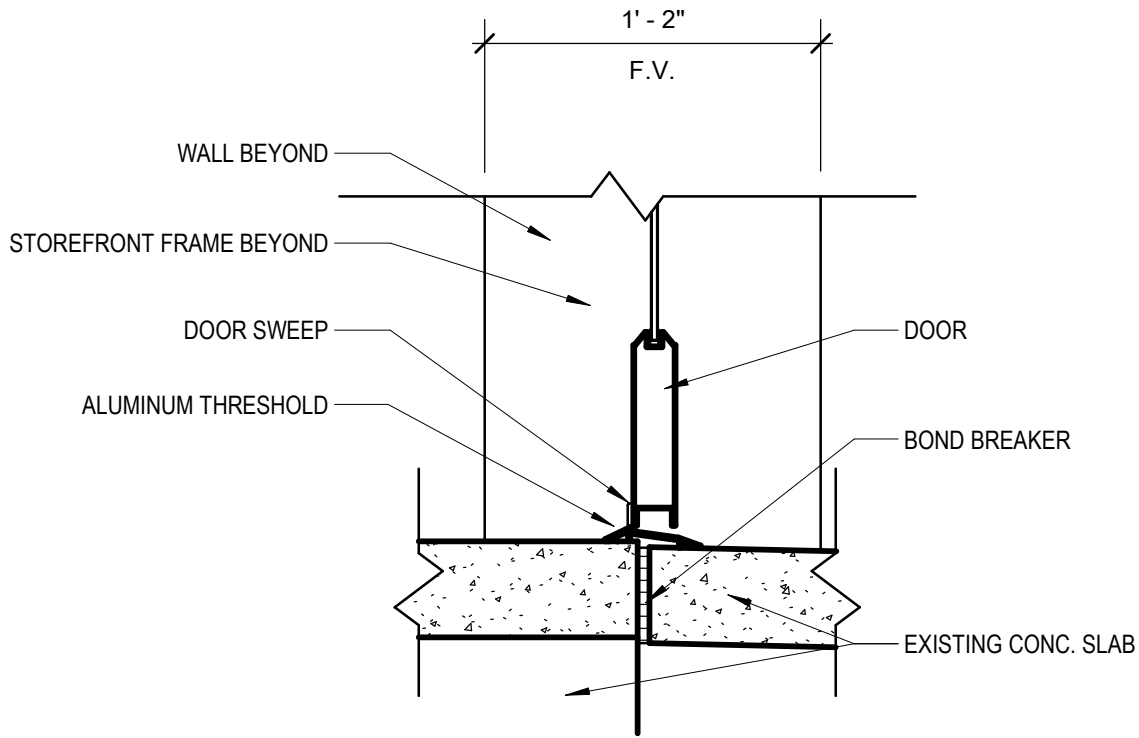
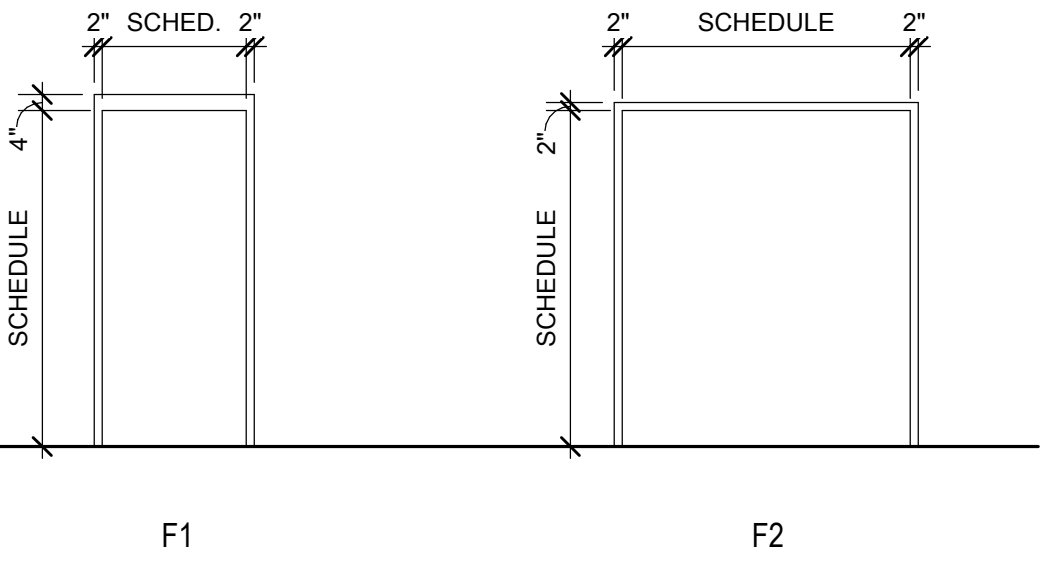
HARDWARE

H# HARDWARE SET NUMBER PER SECTION 087100 1

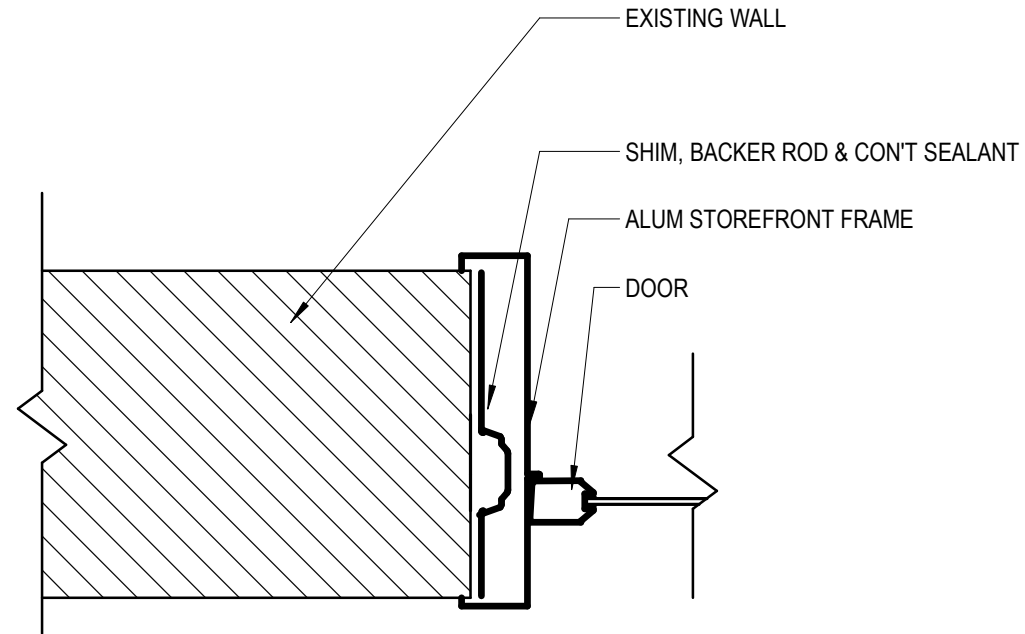
DOOR TYPE LEGEND1



DOOR FRAME TYPES1



1 ALUMINUN STOREFRONTTHRESHOLD
1 1/2" = 1'-0"



2 ALUMINUN STOREFRONT JAMB
1 1/2" = 1'-0"

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OWP PROJECT NO. DATE OF ISSUE
2022-110-00 01.18.2023

REVISIONS

DELTA	DESCRIPTION	DATE
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PROJECT TEAM **DRAWN BY**
ED TEXAS EA

PROJECT PHASE
CONSTRUCTION DOCUMENTS

SHEET CONTENTS
DOOR SCHED./ELEV.

SHEET NO.

A-601

1/20/2023 12:25:25 PM Orcutt | Winslow / 2022-11-01 / KITCHEN EQUIPMENT REPLACEMENT - T E BAXTER ELEMENTARY SCHOOL / SCHEMATIC DESIGN / A-701- FLOOR FINISH PLAN / EA
C:\Users\lavina.e\Documents\2022_110MBEK_R22_avina.e.rvt

GENERAL SHEET NOTES

- A. All flooring materials to meet at center of doorway UNO.
- B. All flooring materials continue under casework to toe kick or under open counter to wall.
- C. Door frames to be painted <MFR>. Color: _____. Finish: Semi-gloss enamel, UNO.
- D. Refer to Reflected Ceiling Plan sheet(s) for soffit ceiling finishes.

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PROJECT PHASE
CONSTRUCTION DOCUMENTS

SHEET CONTENTS
FLOOR FINISH PLAN

SHEET NO.

A-701

WALL TILE COLOR MIXTURE



FINISH PLAN LEGEND

WALLS:

PT1 - WALL PAINT
MANUFACTURER : SHERWIN WILLIAMS (OR EQUAL)
COLOR: SW0000 MATCH EXISTING WALL COLOR
FINISH: MATCH EXISTING FINISH AND TEXTURE

T1 - WALL TILE, FIELD
MANUFACTURER : CROSSVILLE
COLLECTION: RETRO ACTIVE 2.0
COLOR: RETO EMPRESS WHITE UPS
SIZE: 6" X 12"
GROUT: MAPEI 27 SILVER

T2 - WALL TILE, FIELD
MANUFACTURER : CROSSVILLE
COLLECTION: RETRO ACTIVE 2.0
COLOR: RETO9 PHANTOM UPS
SIZE: 6" X 12"
GROUT: MAPEI 27 SILVER

T3 - WALL TILE, ACCENT
MANUFACTURER : CROSSVILLE
COLLECTION: RET10 ACTIVE 2.0
COLOR: RET10 UPS
SIZE: 6" X 12"
GROUT: MAPEI 27 SILVER

T4 - WALL TILE, ACCENT
MANUFACTURER : CROSSVILLE
COLLECTION: RETRO ACTIVE 2.0
COLOR: RET11 GULF BREEZE UPS
SIZE: 6" X 12"
GROUT: MAPEI 27 SILVER

T5 - WALL TILE, ACCENT
MANUFACTURER : CROSSVILLE
COLLECTION: RETRO ACTIVE 2.0
COLOR: RET13 ROYAL NAVY PO
SIZE: 6" X 12"
GROUT: MAPEI 27 SILVER

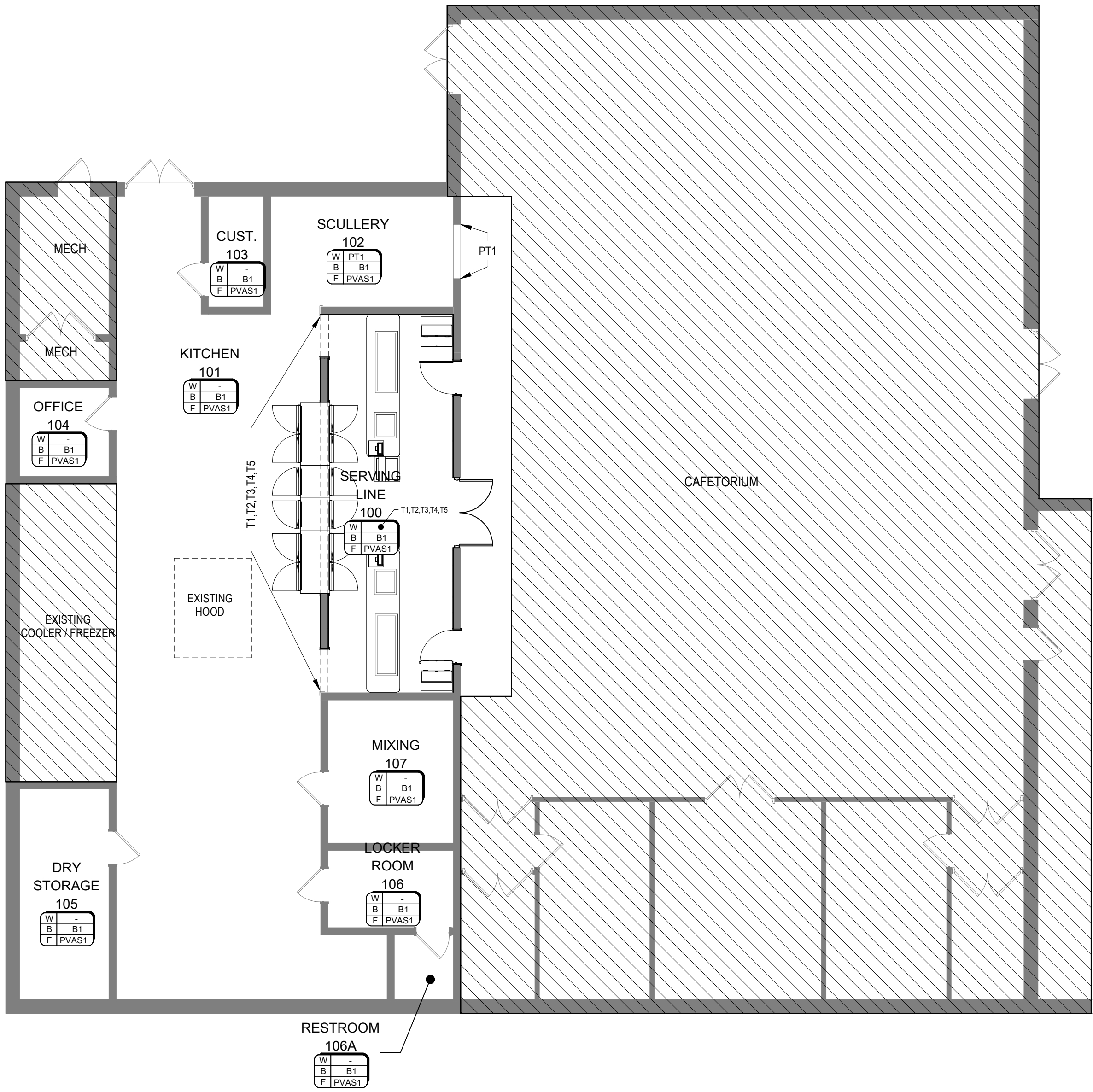
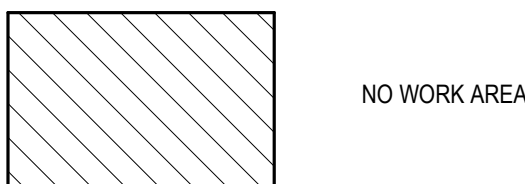
BASE:

B1 - PLASTICIZED VINYL, ALUMINUM OXIDE GRAINS AND SILICON CARBIDE GRAINS WITH A GLASS FIBER REINFORCEMENT
MANUFACTURER: ALTRO
COLLECTION: ALTRO STRONGHOLD 30
COLOR: CANNON-K30911
SIZE: N/A

FLOOR:

PVAS1 - PLASTICIZED VINYL, ALUMINUM OXIDE GRAINS AND SILICON CARBIDE GRAINS WITH A GLASS FIBER REINFORCEMENT
MANUFACTURER: ALTRO
COLLECTION: ALTRO STRONGHOLD 30
COLOR: CANNON-K30911
SIZE: N/A

FLOOR PLAN LEGEND



1 FINISH FLOOR PLAN
1/8" = 1'-0" REF 5 / A-101

DIVISION 23 - MECHANICAL

- A. GENERAL
- THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS ARE INTENDED TO DESCRIBE AND ILLUSTRATE SYSTEMS THAT WILL NOT INTERFERE WITH THE ARCHITECTURAL AND STRUCTURAL CONDITIONS OF THE BUILDING, AND WILL FIT INTO AVAILABLE SPACES.
 - CAREFULLY LAY OUT ALL WORK TO CONFORM TO THE ARCHITECTURAL, STRUCTURAL, AND FINISH CONDITIONS, AND WITH OTHER TRADES PRIOR TO STARTING ANY WORK. TO AVOID OBSTRUCTIONS AND TO ALLOW THE PROPER INSTALLATION OF EACH ITEM, CONTRACTOR SHALL BECOME FAMILIAR WITH WALL AND PARTITION LOCATIONS, CEILING HEIGHTS, FINISHES, AND OTHER PERTINENT DATA FROM ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL FURTHER BECOME FAMILIAR WITH LOCATIONS OF PIERS, BEAMS, COLUMNS, JOISTS, AND OTHER PERTINENT DATA FROM STRUCTURAL DRAWINGS.
 - CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, UTILITY CONNECTION CHARGES, FEES, AND INSPECTIONS. CONTRACTOR SHALL GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS AND CERTIFICATES FOR APPROVAL FROM THE LOCAL AUTHORITIES HAVING JURISDICTION AS REQUIRED FOR THE PARTICULAR CLASS OF WORK INVOLVED.
 - EXECUTE ALL WORK IN ACCORDANCE WITH LOCAL, STATE, NATIONAL CODES, ORDINANCES, AND OTHER APPLICABLE REGULATIONS GOVERNING THE PARTICULAR CLASS OF WORK INVOLVED. THE GOVERNING CODES ARE MINIMUM REQUIREMENTS AND WHERE THE CONTRACT DOCUMENTS EXCEED CODE REQUIREMENTS, THESE DOCUMENTS SHALL PREVAIL.
 - UNLESS SPECIFICALLY DIRECTED OTHERWISE, FURNISH AND INSTALL EACH AND EVERY ITEM CONTAINED IN, AND ASSOCIATED WITH, THE PARTICULAR CLASS OF WORK INVOLVED AS SHOWN ON THE DRAWINGS AND FURTHER DESCRIBED IN THESE SPECIFICATIONS, TOGETHER WITH ALL APPURTENANCES AND INCIDENTALS NECESSARY TO COMPLETE THE WORK. THIS SHALL INCLUDE, BUT NOT NECESSARILY BE LIMITED TO, LABOR, TRANSPORTATION, TOOLS, STORAGE, CUTTING, PATCHING, TRENCHING, AND CLEAN-UP.
 - LOCATE ALL EQUIPMENT, FIXTURES, DUCTWORK, PIPING, AND OTHER ITEMS IN APPROXIMATE LOCATIONS SHOWN. PROVIDE ANY ADDITIONAL SUPPORTS, HANGERS, AND OPENINGS, AS REQUIRED FOR A COMPLETE AND SATISFACTORILY OPERATING INSTALLATION. COORDINATE ALL WORK TO PROVIDE FOR ALL SERVICE AND ACCESS CLEARANCES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. ALL EQUIPMENT AND INSTALLATIONS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - THE LOCATIONS, POINTS OF CONNECTION, DIMENSIONAL DATA AND OTHER MEASUREMENTS SHOWN ARE OFFERED AS A GENERAL GUIDE ONLY AND WITHOUT GUARANTEE OF COMPLETE ACCURACY. ALL EXISTING ITEMS SHOWN ARE TAKEN FROM EXISTING "AS-BUILT" DRAWINGS AND LIMITED FIELD SURVEY. CONTRACTOR SHALL VISIT THE SITE, AND REASONABLY FIELD VERIFY THE WORKING CONDITIONS REQUIRED TO INSTALL THE PARTICULAR CLASS OF WORK INVOLVED. MAKE PROVISIONS IN BID FOR SAME TO ASSURE THAT THE RESULTING INSTALLATION WILL BE COMPLETE, COORDINATED, AND RESULT IN A PROPERLY OPERATING SYSTEM.
 - CONTRACTOR SHALL PROVIDE THE OWNER WITH ONE COPY OF THESE DRAWINGS, MARKED WITH ANY ADDITIONS TO, OR DEVIATIONS FROM, THE WORK ILLUSTRATED, TO REPRESENT "AS-BUILT" CONDITIONS.
 - CONTRACTOR SHALL GUARANTEE THE ENTIRE INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER SUBSTANTIAL COMPLETION.
 - COOPERATE WITH OTHER TRADES TO KEEP THE WORK AREA CLEAN AND FREE OF UNNECESSARY MATERIALS OR DEBRIS ON A DAILY BASIS. WHEN WORK IS COMPLETE, REMOVE ALL TOOLS, SCAFFOLDING, MACHINERY, AND DEBRIS. CLEAN ALL DIRT AND DUST FROM ITEMS OF WORK AND BROOM SWEEP THE WORK AREA DAILY.
 - COOPERATE WITH THE OWNER'S REPRESENTATIVE AND OTHER TRADES TO MEET THE ESTABLISHED CONSTRUCTION SCHEDULE. SCHEDULE WORK SO AS TO AVOID DELAYING OTHER TRADES.
 - WHEN ALL WORK IS COMPLETE, PAINT ALL PIPING AND EQUIPMENT AS INDICATED IN ARCHITECTURAL DOCUMENTS. TOUCH UP ALL DAMAGED FACTORY FINISHES TO MATCH ORIGINAL FINISHES.
 - SUBMIT ON ALL MATERIALS SPECIFIED HEREIN PRIOR TO COMMENCING WITH ANY WORK. FAILURE TO COMPLY WILL RESULT IN REPLACEMENT OF ALL ITEMS FOUND NOT IN COMPLIANCE WITH THESE REQUIREMENTS.
 - PROTECT ALL BUILDING COMPONENTS, WALLS, ROOFS, FLOORS, ADJACENT EQUIPMENT, LIGHTING, LANDSCAPING, PAVING, ETC. ANY ITEMS DAMAGED, OR WHERE FINISHES HAVE BEEN MARRED, SHALL BE REPAIRED TO THEIR ORIGINAL CONDITION AT NO COST TO THE OWNER. ALL ITEMS SOILED IN THE PROGRESS OF WORK SHALL BE CLEANED TO A "LIKE NEW," OR PRE-EXISTING, CONDITION.
 - AT TIME OF FINAL INSTALLATION OBSERVATIONS, THE OPERATION OF ALL SYSTEMS OF EQUIPMENT SHALL HAVE BEEN DEMONSTRATED TO PERFORM PROPERLY.
 - ANY DISCREPANCIES DISCOVERED BY THE CONTRACTOR DURING BIDDING SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER SO THAT AN ADDENDUM MAY BE ISSUED TO ADDRESS THOSE ITEMS PRIOR TO BIDDING. ANY DISCREPANCIES DISCOVERED AFTER BIDDING, HAT WERE REASONABLE TO HAVE BEEN DISCOVERED, SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
 - WORK UNDER DIVISION 23 SHALL INCLUDE PROVISION OF STARTERS, CONTROLLERS, AND RELAYS, THAT ARE A PART OF THE EQUIPMENT FURNISHED UNDER DIVISION 23. TO THE DIVISION 16 INSTALLER INCLUDING ALL WIRING DIAGRAMS FOR INSTALLATION THEREOF. DISCONNECTS SHALL BE PROVIDED AND INSTALLED UNDER DIVISION 26 WHEN NOT FURNISHED WITH EQUIPMENT.
 - FOR RENOVATION AND REMODEL WORK, CAREFULLY REMOVE AND PROTECT ALL UNUSED EXISTING FIXTURES/EQUIPMENT, PIPING, DUCTWORK, ELECTRICAL SERVICES, AND ALL OTHER ITEMS ASSOCIATED THEREWITH WHERE INDICATED. COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO REMOVAL AND DISPOSAL TO VERIFY WHETHER OWNER DESIRES TO KEEP ANY EXISTING ITEMS AND THE DESIRED MANNER OF DISPOSITION THEREOF. STORE ALL REMOVED ITEMS ON SITE FOR A MINIMUM OF TWO (2) WEEKS, UNLESS INDICATED OTHERWISE BY THE OWNER'S REPRESENTATIVE. TO ALLOW FOR INSPECTION BY THE OWNER. ALL ITEMS NOT RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DEMOLITION DRAWINGS.
 - EXISTING BUILDING OPERATIONS MUST REMAIN ACTIVATED AT ALL TIMES DURING NORMAL OPERATING HOURS. OBTAIN PERMISSION FROM OWNER'S REPRESENTATIVE PRIOR TO SHUTTING-DOWN ANY BUILDING SYSTEM. PROVIDE TEMPORARY CONNECTIONS OF UTILITIES AND AIR CONDITIONING AS NECESSARY TO FACILITATE THE PHASES OF CONSTRUCTION. MAINTAIN AIR DISTRIBUTION AND PIPING SYSTEMS TO OTHER FLOORS OF THE BUILDING OUTSIDE OF THE DEMOLITION AREA. SHUT DOWN OF EXISTING SYSTEMS SHALL OCCUR DURING UNOCCUPIED PERIODS WHERE POSSIBLE.
 - PENETRATIONS OF THE CEILINGS, WALLS, OR FLOORS SHALL BE PATCHED, SLEEVED, SEALED, ESCUTCHEONED, AND RESTORED TO THE ORIGINAL FINISH CONDITIONS AND FIRE RATINGS. COORDINATE ALL PENETRATIONS WITH OTHER TRADES.
- B. MECHANICAL HVAC SCOPE OF WORK:
- PROVIDE ALL MATERIALS, EQUIPMENT, AND PAY ALL COSTS CONNECTED WITH THE INSTALLATION OF COMPLETE MECHANICAL HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) SYSTEMS AS SHOWN ON DRAWINGS AND AS SPECIFIED HEREIN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH ALL ITEMS OF MATERIAL AND LABOR, AND ALL OTHER COSTS, TO COMPLETE THE WORK WITHIN THE INTENT OF THIS SPECIFICATION AND THE DRAWINGS, EVEN THOUGH EACH AND EVERY ITEM NECESSARY IS NOT SPECIFICALLY MENTIONED OR SHOWN.
 - SUBMIT MANUFACTURER'S BROCHURES ON ALL NEW AIR CONDITIONING EQUIPMENT, EXHAUST FANS, AIR DEVICES, AND OTHER COMPONENTS TO THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL. SUBMIT SHOP DRAWINGS ON SHEET METAL AND PIPING SYSTEMS.
 - THE MECHANICAL HVAC SYSTEMS SHALL BE AS INDICATED ON THE DRAWINGS AND SHALL INCLUDE, BUT NOT BE LIMITED TO:
 - MODIFICATIONS TO EXISTING MECHANICAL HVAC SYSTEM, DUCTWORK, PIPING, EQUIPMENT, AND OTHER WORK AS SHOWN.
 - REMOVE EXISTING DIFFUSERS AND DUCTWORK, PIPING, ELECTRICAL AND OTHER ITEMS ASSOCIATED THEREWITH. CO-ORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO DISPOSAL OF ANY ITEMS. CLEAN AND REPAIR ANY ITEMS TO BE RELOCATED OR REUSED.
 - ALL SUPPLY, RETURN, AND EXHAUST AIR DUCTWORK INCLUDING INSULATION SYSTEM, VOLUME DAMPERS, FIRE AND SMOKE DAMPERS, REMOTE ADJUSTMENT DEVICES, PLENUMS, TURNING VANES, SUPPORTING DEVICES, GRILLES, REGISTERS, AND DIFFUSERS.
 - TEMPERATURE CONTROLS COMPONENTS AND WIRING.
 - THERMAL AND ACOUSTIC INSULATION OF DUCTWORK AND PIPING.
 - ROUGH-IN AND FINAL CONNECTIONS FOR OWNER FURNISHED EQUIPMENT AND EQUIPMENT FURNISHED BY OTHER TRADES.
 - INSPECTION, TESTING AND BALANCING OF ALL MECHANICAL HVAC SYSTEMS.
- C. MATERIALS AND WORKMANSHIP FOR HVAC WORK:
- SHEET METAL COMPONENTS AND AIR DISTRIBUTION DUCTWORK:
 - FURNISH AND INSTALL A COMPLETE SYSTEM OF HVAC DUCTWORK, AS INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN.
 - DUCTWORK SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE MOST CURRENT ASHRAE DESIGN STANDARDS AND FABRICATED AND INSTALLED IN ACCORDANCE WITH THE CONSTRUCTION STANDARDS OF THE LATEST EDITION OF THE APPLICABLE S.M.A.C.N.A. DUCT CONSTRUCTION STANDARDS, GOVERNING CODES OF THE CITY, BUILDING STANDARDS SET FORTH BY THE BUILDING OWNER, AND ALL AUTHORITIES HAVING JURISDICTION.
 - NEW RECTANGULAR SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE NEW G-90 GALVANIZED STEEL.
 - NEW RECTANGULAR RETURN AIR DUCT SHALL BE LINED WITH 1" THICK, 1.5 PCF DENSITY, ACOUSTICAL AND THERMAL DUCT LINER FOR FIRST 10'-0" FROM UNIT AND ALL TRANSFER DUCTS. ALL SUPPLY AIR DUCTWORK FOR THE FIRST 10'-0" FROM THE UNIT TO BE LINED WITH 1.5" INTERNAL LINER. ALL CUT EDGES SHALL BE BUTTERED WITH ADHESIVE. ALL DUCT DIMENSIONS SHOWN ARE NET AIR STREAM DIMENSIONS. INCREASE SHEET METAL SIZE TO MAINTAIN THESE CLEAR AIR STREAM DIMENSIONS WHERE LINER IS USED.
 - EXTERNALLY SEAL ALL SHEET METAL DUCT JOINTS TO INCLUDE SEALING PRIOR TO APPLYING ANY EXTERNAL INSULATION.
 - NEW RECTANGULAR DUCT NOT INTERNALLY LINED SHALL BE EXTERNALLY WRAPPED WITH INSULATION, 2" THICK, 1.5 LB. PER CUBIC FOOT DENSITY, R-6.0 FIBERGLASS INSULATION WITH ALUMINUM FOIL VAPOR BARRIER. WHERE CONCEALED ABOVE CEILING, MASTIC SEAL ALL INSULATION JOINTS. INSULATION SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - EXHAUST DUCTWORK SHALL BE UNINSULATED WITH SEALED JOINTS.
 - NEW ROUND BRANCH DUCTS AND FITTINGS SHALL BE FACTORY FABRICATED EQUAL TO DUCTWORK AS MANUFACTURED BY UNITED SHEET METAL COMPANY. ALTERNATELY, SHOP MADE 26 GAUGE PITTSBURGH LOCK SEAM GALVANIZED STEEL MAY BE USED.
 - EXTERNALLY SEAL AND THEN INSULATE ALL ROUND DUCT WITH MINIMUM 1-1/2" THICK 1.5 LB. PER CUBIC FOOT DENSITY, R-6.0 DUCTWRAP INSULATION WITH ALUMINUM FOIL VAPOR BARRIER. INSULATION SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - ALL INSULATION SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2015, OR LATER, VERSION OF THE INTERNATIONAL ENERGY CONSERVATION CODE, WHICH REQUIRES A MINIMUM INSTALLED R-VALUE OF 6.0 FOR CONDITIONED, COOLED OR HEATED, AND OUTSIDE AIR SYSTEM DUCTWORK AND PLENUMS WHEN LOCATED INSIDE BUILDINGS OR SPACES. INCREASE INSULATION THICKNESS AS REQUIRED TO COMPLY.
 - FIRE HAZARD CLASSIFICATION OF INSTALLED DUCT INSULATION SYSTEMS SHALL MEET THE REQUIREMENTS OF ASTM-E-84, FLAME SPREAD OF 25, OR LESS; SMOKE DEVELOPED AND FUEL CONTRIBUTED OF 50, OR LESS. ALL INSULATION SYSTEMS, ADHESIVES, MASTICS, SEALANTS, AND TAPES SHALL BE LISTED AND LABELED IN ACCORDANCE WITH U.L. 181A OR U.L. 181B.
 - DUCTWORK SHALL BE CLASSIFIED FOR CONSTRUCTION STANDARDS, AS FOLLOWS:
 - ALL DUCTWORK ASSOCIATED WITH ROOF TOP AC UNITS AND ALL EXHAUST DUCTWORK SHALL BE CLASSIFIED AS LOW PRESSURE DUCTWORK, AND SHALL BE CONSTRUCTED TO ONE INCH (1.0") W.G. STANDARDS.
 - INSULATED FLEXIBLE ROUND DUCTWORK SHALL BE ALLOWED FOR THE LAST SIX FEET (6'-0") AND FOR FINAL CONNECTIONS TO INDIVIDUAL ROUND NECK AIR DEVICES. ALL BRANCH RUNOUTS TO AIR DEVICES SHALL BE THE SAME SIZE AS THE NECK, UNLESS NOTED OTHERWISE. FLEXIBLE INSULATED METAL DUCT SHALL HAVE A DOUBLE LAMINATION OF POLYESTER ENCAPSULATING A STEEL WIRE HELIX WHICH FORMS THE INNER CORE, AND FURTHER ENCLOSED IN ONE INCH (1") THICK FIBERGLASS INSULATION AND SHEATHED IN A FIBERGLASS REINFORCED METALIZED JACKET, EQUAL TO THERMAFLEX M-KC. INSTALL FLEXIBLE DUCT AS STRAIGHT AS POSSIBLE AND MAKE ALL CHANGES IN DIRECTION WITH LONG RADIUS BENDS WITH SUITABLE CLAMPS INSTALLED ON BOTH ENDS. SUPPORT FLEXIBLE DUCT JUST ABOVE EACH DIFFUSER.
 - PROVIDE A TWIST-IN FLARED TAP WITH A LOCKING QUADRANT MANUAL VOLUME DAMPER AT ALL NEW MAIN DUCT TAPS AND EXTEND AS SHOWN.
 - PROVIDE TURNING VANES INSTALLED IN ALL ELBOWS OF SUPPLY AND RETURN AIR DUCTS AND FLEXIBLE CONNECTIONS AT ALL EQUIPMENT. PROVIDE ONE INCH (1") SPACING AIR EXTRACTORS, OR SPLITTER DAMPERS, WITH EXTERNAL ADJUSTMENTS AT ALL RECTANGULAR BRANCH DUCT TAKE-OFFS TO AIR DEVICES. REFER TO DETAIL SHEET.
 - PROVIDE OPENINGS IN WALLS ABOVE CEILING TO PROVIDE MEANS OF RETURN AIR BACK TO AIR HANDLING EQUIPMENT.
 - AIR DEVICES:
 - FURNISH AND INSTALL SUPPLY, RETURN, AND EXHAUST AIR DEVICES AS INDICATED AND LOCATED ON THE DRAWINGS. AIR DEVICES SHALL BE MANUFACTURED BY TITUS, METAL-AIR, KRUEGER, OR TUTTLE AND BAILEY, AND SHALL BE OF THE CAPACITIES, CHARACTERISTICS, AND SIZES AS INDICATED AND SCHEDULED, AND AS SPECIFIED HEREIN.
 - NEW SUPPLY DIFFUSERS SHALL BE LOUVERED FACE LAY-IN TYPE TO MATCH CEILING TILE ACTUALLY INSTALLED. STANDARD FRAME SIZE IS 24" X 24" FACE. UNITS SHALL HAVE ADJUSTABLE DISCHARGE PATTERN. PATTERNS ARE FOUR-WAY BLOW, UNLESS INDICATED OTHERWISE BY AIRFLOW ARROWS. DIFFUSERS SHALL MEET BUILDING STANDARDS SET BY OWNER, AND BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
 - NEW RETURN AND EXHAUST AIR GRILLES AND REGISTERS SHALL BE EGGRATE FACE TYPE WITH LAY-IN FRAME. STANDARD FRAME SIZE IS 24" X 24".
 - ALL AIR DEVICES COLOR SHALL BE COORDINATED WITH ARCHITECT. GRILLES SHALL MEET BUILDING STANDARDS SET BY THE OWNER, AND BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
 - AIR DEVICES SHALL BE LOCATED APPROXIMATELY WHERE SHOWN. FOR EXACT LOCATIONS AND CEILING TYPE REFER TO ARCHITECTURAL REFLECTED CEILING PLAN. FRAME MOUNTING TYPES SHALL BE COMPATIBLE WITH THE CEILING TYPE INDICATED.
 - DISHWASHER EXHAUST DUCT SYSTEM
 - DISHWASHER EXHAUST DUCTS SHALL BE CONSTRUCTED OF 18-8 STAINLESS STEEL, TYPE 304, AND BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES.
 - EXHAUST DUCTS SHALL BE MINIMUM 20 GAUGE THICK (MINIMUM 0.035 INCHES THICK), WHEN CONCEALED ABOVE CEILINGS, WITH CONTINUOUS LIQUID-TIGHT WELDED AND TREATED JOINTS AND SEAMS, USING STAINLESS STEEL RODS, ON THE INTERIOR OR EXTERIOR OF THE DUCT SURFACE. USE 18 GAUGE THICK STAINLESS STEEL WITH WELDED FINISHED JOINTS WHERE EXPOSED. WELDED JOINTS SHALL BE AT THE TOP EDGES OF THE DUCTWORK.
 - DUCTS SHALL SLOPE 1/4" INCH PER FOOT TOWARD THE GRILLE, HOOD OR AN APPROVED RESERVOIR.
 - ALL CHANGES IN DIRECTION SHALL BE MADE WITH 1-1/2 TIMES THE DUCT WIDTH TO CENTERLINE RADIUS ELBOWS; NO TURNING VANES OR MITERED FITTINGS WILL BE ALLOWED.
 - PROVIDE DUCT ACCESS DOORS EVERY TWENTY FEET (20'), IF REQUIRED, AND AT EACH CHANGE IN DIRECTION FOR DUCT CLEANING PURPOSES. ACCESS DOORS SHALL BE OF WATER TIGHT CONSTRUCTION WITH SUITABLE HINGES AND LATCHES.
 - DO NOT INTERNALLY LINE DISHWASHER EXHAUST DUCTWORK.



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1/18/23

KITCHEN EQUIPMENT REPLACEMENT
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MIDLOTHIAN, TX 76065

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OWP PROJECT NO. DATE OF ISSUE
2022-110-00 01.18.2023

REVISIONS
DELTA DESCRIPTION DATE

PROJECT TEAM DRAWN BY
ED TEXAS RWB

PROJECT PHASE
CONSTRUCTION DOCUMENTS

SHEET CONTENTS
SPECIFICATIONS - MECHANICAL

SHEET NO.

M001



1050 PARK PLACE BLVD.
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REVISIONS

ED TEXAS RWB

CONSTRUCTION DOCUMENTS

SHEET CONTENTS

FLOOR PLAN - LEVEL 1

KITCHEN - TIVAS

M100

DESIGNATION	TYPE	MOUNTING TYPE	MATERIAL	FINISH	MAX. N.C. LEVEL	OPPOSED DAMPER BLADE	EQUALIZING GRID	MANUFACTURER	MODEL	DESCRIPTION
A	SUPPLY DIFFUSER - LOUVERED	LAY-IN	STEEL	WHITE	30	NO	NO	TITUS	TDC	24"x24" FACE, ROUND NECK COLLAR, DIRECTIONAL DIFFUSER, REFER TO PLAN FOR NECK SIZE & FLOW PATTERN.
B	SUPPLY DIFFUSER - LOUVERED	LAY-IN	STEEL	WHITE	30	NO	NO	TITUS	TMS	24"x24" FACE

	SUPPLY DUCT RISE / DROP
	RETURN OR EXHAUST DUCT RISE / DROP
	SUPPLY / RETURN AIR ARROW
	RISE / DROP IN DUCT
	MANUAL DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER
	FIRE-SMOKE DAMPER
	THERMOSTAT / TEMPERATURE SENSOR
	HUMIDITY SENSOR
	WALL SWITCH
	CONNECT TO EXISTING
-----	EXISTING WORK TO REMAIN
-----	EXISTING WORK TO BE REMOVED
-----	NEW WORK

1. RECTANGULAR AND ROUND SUPPLY/RETURN/OUTSIDE AIR DUCTWORK IS TO BE EXTERNALLY INSULATED WITH 2" THICK ACOUSTICAL AND THERMAL WRAP TO MEET ALL REQUIREMENTS OF THE MECHANICAL SYSTEMS SUBMITTAL. RETURN DUCTWORK IS TO BE INSULATED TO BE INCREASED IN SIZE TO MAINTAIN THESE INTERNAL CLEAR DIMENSIONS. RECTANGULAR TRANSFER AIR DUCT SHALL BE LINED WITH 1" LINER ONLY. DUCTWORK SIZES SHOWN ARE NET INTERNAL AIR STREAM DIMENSIONS. SHEET METAL DUCTWORK IS TO BE INCREASED IN SIZE TO MAINTAIN THESE INTERNAL CLEAR DIMENSIONS. ROUND DUCTWORK IS TO BE EXTERNALLY WRAPPED WHERE CONCEALED AND INTERNALLY LINED SPIRAL SEALED WHERE EXPOSED. FLEXIBLE DUCTWORK SHALL HAVE A MINIMUM R-VALUE OF 6.0 SUPPLY, RETURN OUTSIDE AIR AND RELIEF AIR DUCTWORK SHALL BE LINED FOR THE FIRST 10'-0" FROM THE INLET AND OUTLET OF ALL HANDLERS. RETURN AIR DUCTWORK SHALL BE LINED WITH 1" LINER THROUGHOUT SUPPLY, RELIEF AND OUTSIDE AIR DUCTWORK SHALL BE LINED WITH 1-1/2" THICK LINER.
2. BRANCH RUN-OUTS TO CEILING/COVS MOUNTED AIR DEVICES SHALL BE SAME SIZE AS NECK. UNLESS NOTED OTHERWISE, PROVIDE A TWIST-IN FLARED TAP WITH MANUAL VOLVE DAMPER AT MAIN DUCT TAP AND EXTENDED HANDS AS SHOWN (REFER TO MECHANICAL SYSTEMS SUBMITTAL). EXTEND FLEXIBLE DUCTWORK OUT OF COV FROM DIFFUSERS, INSTALL STRAIGHT AS POSSIBLE WITH LONG RADIUS BENDS WITH CLAMPS TO BE USED AT BOTH ENDS.
3. ALL DUCTWORK SHALL BE RUN CONCEALED ABOVE CEILINGS AS HIGH AS POSSIBLE & EXPOSED IN WALLS AND CEILING RUN-OUTS IN GENERAL LOCATIONS SHOWN, UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL COORDINATE WITH STRUCTURE, ARCHITECTURE, AND OTHER TRADES TO ENSURE CONFLICTS DO NOT OCCUR. CONCEALING CEILING AND WALL RUN-OUTS IS CRITICAL, CAUTION IS NECESSARY FOR PROPER INSTALLATION AND COORDINATION.
4. LOCATE CEILING MOUNTED AIR DEVICES APPROXIMATELY WHERE SHOWN. FOR EXACT LOCATION AND FRAME MOUNTING TYPES, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS. ALL CEILING DIFFUSERS TO BE FOUR-WAY TYPE. UNLESS NOTED OTHERWISE, AIR FLOW ARROWS ON FLOOR PLANS SHALL BE USED.
5. ALTERNATE ROOF PENETRATIONS, ROOF TOP FLASHING ETC. SHALL BE MADE AT THE CONTRACTOR'S DISCRETION BY THE ROOFING MANUFACTURER. THE CONTRACTOR TO COORDINATE WITH AND USE ROOF FLASHING ETC. (612-481-8866) AS THE ROOFING SYSTEMS INSTALLER.
6. EXTEND DUCTWORK AS SHOWN THROUGH ROOF INSIDE CURB TO EACH DUCT CONNECTION TO TOP OF CURB. PROVIDE THROUGH CURB AND RETURN TO THE MECHANICAL EQUIPMENT OPENING FROM DUCT SIZES SHOWN. PROVIDE FLEXIBLE CONNECTIONS IN ALL DUCT CONNECTIONS AT EACH ROOF MOUNTED EQUIPMENT.
7. SEAL ALL LONGITUDINAL AND TRANSVERSE DUCT JOINTS TO PREVENT DUCT AIR LEAKAGE TO INCLUDE DUCT AND ACCESSORY PENETRATIONS. DO NOT SEAL CONTROL/FIRE DAMPING CONTROLS, ROOF PENETRATIONS, SEAL CLASS "A" REQUIRED.
8. RE-BALANCE EXISTING DIFFUSERS TO MATCH NEW AIRFLOW WHERE EXISTING HVAC EQUIPMENT IS REMAINING TO BE EXPOSED.
9. CLEAN ALL EXISTING SUPPLY RETURN AND EXHAUST AIR GRILLES FREE OF ALL DIRT AND DEBRIS. PARTS TO BE EXPOSED. RETURN AIR GRILLS WHERE SIGNS OF RUST ARE NOTED ON EXISTING GRILLES TO MATCH EXISTING COLOR OF GRILLE.
10. WHERE EXISTING DUCTWORK IS REMAINING AND NOT REUSED, INSTALL INSULATED CAPS AND AIR TIGHT.
11. FIRE SPRINKLER SYSTEM MUST REMAIN FUNCTIONAL AND OPERATE AT ALL TIMES. IF CONTRACTOR MUST REMOVE FIRE SPRINKLER PIPING TO PERFORM WORK, THEY MUST CONTACT THE FIRE DEPARTMENT AND OBTAIN A PERMIT. THE CONTRACTOR SHALL BE WORKING ON AND PERFORM THE WORK NECESSARY TO BRING THE FIRE SPRINKLER SYSTEM BACK TO FULL FUNCTION. THE CONTRACTOR SHALL COORDINATE WITH OWNER FOR ANY FIRE SPRINKLER PIPING WORK THAT WILL NEED TO BE COMPLETED.

1. THE INFORMATION ON THE DEMOLITION DRAWINGS ARE NOT FROM "AS-BUILT" DRAWINGS BUT FROM ORIGINAL DRAWINGS. THIS INFORMATION IS INCLUDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID TO DETERMINE THE AMOUNT OF WORK THAT WILL BE REQUIRED. CONTRACTOR SHALL EXAMINE THE EXISTING BUILDING AND GENERALLY THE EXISTING UTILITIES, AND THE EXISTING CONDITIONS OF THE BUILDING, AND THE RELATION TO, AND EFFECT ON, THE WORK REQUIRED BEFORE SUBMITTING A BID. SUBMISSION OF A BID WILL CONSTITUTE EVIDENCE THAT THE CONTRACTOR HAS INSPECTED THE SITE OF THE PROPOSED WORK.
2. EXISTING MPE ITEMS TO BE REMOVED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED BY THE DESIGNATED OWNER'S REPRESENTATIVE.
3. COORDINATE DEMOLITION WORK WITH THE BUILDING MAINTENANCE PERSONNEL AND OTHER TRADES PERFORMING WORK IN THE BUILDING PRIOR TO THE REMOVAL OF ANY OF THE EXISTING MECHANICAL SYSTEMS. CONTRACTOR SHALL REMAIN WITHIN THE LIMIT OF NEW CONSTRUCTION OR OTHER AREAS OF THE BUILDING. THE BUILDING WILL BE OCCUPIED DURING CONSTRUCTION AND, THEREFORE, UTILITIES MUST REMAIN IN OPERATION AT ALL TIMES. ANY REQUIRED OUTAGES MUST BE COORDINATED WITH THE OWNER.
4. PRIOR TO THE REMOVAL OF ANY MPE ITEMS OR EQUIPMENT, CONTRACTOR MUST VERIFY THE ORIGIN AND TERMINATION OF THOSE SYSTEMS AND CONFIRM THAT THE ITEMS BEING REMOVED DO NOT SERVE ANY ITEMS THAT ARE TO REMAIN (INCLUDING THOSE IN AREAS OUTSIDE THE CONTRACT LIMITS).
5. CONTRACTOR SHALL CONTACT CONTROLS SYSTEM IDENTIFIER BEFORE ANY DEMOLITION WORK BEGINS TO IDENTIFY AND TAG & IDENTIFY ITEMS TO REMAIN AND BE PROTECTED AND ITEMS TO BE REMOVED.
6. DO NOT ABANDON ANY ITEMS IN PLACE. REMOVE ALL COMPONENTS ASSOCIATED WITH EACH ITEM CALLED OUT TO BE REMOVED. WHERE ITEMS ARE REMOVED PATCH/REPLACE ROOF, WALLS, CEILING OR FLOOR, AS APPLICABLE, TO MATCH EXISTING FINISHES. WHERE NEW FINISHES ARE CALLED FOR PATCHING SHALL MATCH THE NEW FINISH.
7. CLEAN EXISTING RE-USED EXHAUST AND TRANSFER GRILLS FREE OF ALL DUST AND DEBRIS.
8. ALL EXISTING SECURITY AND OTHER CEILING MTD DEVICES NOT SHOWN TO BE REPLACED, SHALL REMAIN IN OPERATION DURING CONSTRUCTION AND BE RE-INSTALLED AS NEEDED. TEMPORARILY SUPPORT AS NEEDED.
9. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH EXISTING ELECTRICAL CONDUITS, CIRCUITS, SPRINKLER PIPING, LOW VOLTAGE WIRING, AND DATA TRAYS ABOVE CEILING.
10. FIRE SPRINKLER SYSTEM MUST REMAIN FUNCTIONAL AND ONLINE AT ALL TIMES. IF CONTRACTOR DETERMINES THAT SPRINKLER PIPING TO PERFORM WORK THEY MUST MEET ALL CODES AND STANDARDS TO ISOLATE THE PIPE BRANCH THAT THEY ARE WORKING ON AND PERFORM THE WORK NECESSARY TO BRING THE FIRE SPRINKLER SYSTEM BACK TO FULL OPERATIONAL STATUS. CONTRACTOR SHALL ADVISE OWNER FOR ANY FIRE SPRINKLER PIPING WORK THAT WILL NEED TO BE COMPLETED.

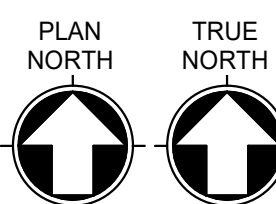
- ① EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED AND REPLACED WITH NEW
- ② EXISTING EXHAUST FAN ON ROOF TO REMAIN AND BE REUSED.
- ③ EXISTING DISHWASHER EXHAUST DUCTWORK TO BE REMOVED IN ITS ENTIRETY BACK UP TO EXHAUST FAN CONNECTION ON ROOF.
- ④ ALL EXISTING DUCTWORK, PIPING AND CONTROLS TO REMAIN AND BE RE-USED IN THIS AREA UNLESS NOTED OTHERWISE.
- ⑤ EXISTING DOOR GRILLE TO REMAIN, BE REUSED, AND BE CLEANED FREE OF ALL DUST AND DEBRIS.
- ⑥ EXISTING AIR DEVICE TO REMAIN AND BE REUSED.

- ① TWO 16"x4" DUCT TAKE-OFFS WITH SHOE TAP, TAP IN VERTICAL OFF OF 18"x8" DUCT MAIN. 18"x8" DUCT TRANSITION IN VERTICAL UP TO EXISTING EXHAUST FAN ON ROOF.
- ② 16"x4" EXHAUST AIR DUCT DOWN TO DISHWASHER 16"x4" CONNECTION, TYP. OF 2.

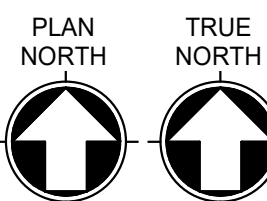
1. FOR ROUND DUCT USE STRAIGHT SPIN-IN TYPE FITTINGS WITH SEPARATE LOCKING HANDLE BALANCING DAMPERS IN ALL AREAS WITH LAY-IN CEILINGS.
2. IN AREAS WITH LAY-IN CEILINGS, USE SPIN-IN TYPE FITTINGS AND DAMPERS WITH REMOTE Yoke REGULATOR LOCATED ON THE CEILING. ALTERNATIVELY PROVIDE CEILING ACCESS DOORS LARGE ENOUGH TO FACILITATE BALANCING. THE NUMBER OF ACCESS PANELS SHALL BE MINIMIZED AND CONSOLIDATED. ALL ACCESS PANEL LOCATIONS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
3. MAXIMUM LENGTH OF FLEXIBLE DUCT USED SHALL NOT EXCEED 10 FEET.
4. RIGID AND FLEX DUCT DIAMETER TO BE EQUAL TO NECK SIZE SHOWN UNLESS SPECIFICALLY NOTED OTHERWISE.
5. FLEXIBLE DUCT DROPS SHOULD BE STRAIGHT DOWN TO THE DIFFUSER NECK WITH NO MORE THAN A 10" OFFSET FROM THE VERTICAL. PROVIDE A SMOOTH RADIUS TURN BEFORE THE DROP AS DETAILED.

NO SCALE

NO SCALE



DEMOLITION FLOOR PLAN - LEVEL 1 - KITCHEN - MECHANICAL
SCALE: 1/8" = 1'-0"



FLOOR PLAN - LEVEL 1 - KITCHEN - MECHANICAL
SCALE: 1/8" = 1'-0"



SECTION "A"

PLAN "A"

ANGULAR DUCT D

DIVISION 22 PLUMBING
SPECIFICATIONS

- A. GENERAL
- THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS ARE INTENDED TO DESCRIBE AND ILLUSTRATE SYSTEMS THAT WILL NOT INTERFERE WITH THE ARCHITECTURAL AND STRUCTURAL CONDITIONS OF THE BUILDING, AND WILL FIT INTO AVAILABLE SPACES.
 - CAREFULLY LAY OUT ALL WORK TO CONFORM TO THE ARCHITECTURAL, STRUCTURAL, AND FINISH CONDITIONS, AND WITH OTHER TRADES PRIOR TO STARTING ANY WORK, TO AVOID OBSTRUCTIONS AND TO ALLOW THE PROPER INSTALLATION OF EACH ITEM. CONTRACTOR SHALL BECOME FAMILIAR WITH WALL AND PARTITION LOCATIONS, CEILING HEIGHTS, FINISHES, AND OTHER PERTINENT DATA FROM ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL FURTHER BECOME FAMILIAR WITH LOCATIONS OF PIERS, BEAMS, COLUMNS, JOISTS, AND OTHER PERTINENT DATA FROM STRUCTURAL DRAWINGS.
 - CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS. CONTRACTOR SHALL GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS AND CERTIFICATES FOR APPROVAL FROM THE LOCAL AUTHORITIES HAVING JURISDICTION AS REQUIRED FOR THE PARTICULAR CLASS OF WORK INVOLVED.
 - EXECUTE ALL WORK IN ACCORDANCE WITH (BASE BUILDING STANDARDS SET FORTH BY THE BUILDING OWNER) AND LOCAL, STATE, NATIONAL, CODES, ORDINANCES, AND OTHER APPLICABLE REGULATIONS GOVERNING THE PARTICULAR CLASS OF WORK INVOLVED. THE GOVERNING CODES ARE MINIMUM REQUIREMENTS AND WHERE THE CONTRACT DOCUMENTS EXCEED CODE REQUIREMENTS, THESE DOCUMENTS SHALL PREVAIL.
 - UNLESS SPECIFICALLY DIRECTED OTHERWISE, FURNISH AND INSTALL EACH AND EVERY ITEM CONTAINED IN, AND ASSOCIATED WITH, THE PARTICULAR CLASS OF WORK INVOLVED AS SHOWN ON THIS DRAWING AND FURTHER DESCRIBED IN THESE SPECIFICATIONS, TOGETHER WITH ALL APPURTENANCES AND INCIDENTALS NECESSARY TO COMPLETE THE WORK. THIS SHALL INCLUDE, BUT NOT NECESSARILY BE LIMITED TO: LABOR, TRANSPORTATION, TOOLS, STORAGE, CUTTING, PATCHING AND CLEAN-UP.
 - LOCATE ALL EQUIPMENT, FIXTURES, DUCTWORK, PIPING, AND OTHER ITEMS IN APPROXIMATE LOCATIONS SHOWN. PROVIDE ANY ADDITIONAL SUPPORTS, HANGERS, AND OPENINGS, AS REQUIRED FOR A COMPLETE AND SATISFACTORILY OPERATING INSTALLATION. COORDINATE ALL WORK TO PROVIDE FOR ALL SERVICE AND ACCESS CLEARANCES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. ALL EQUIPMENT AND INSTALLATIONS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - THE LOCATIONS, POINTS OF CONNECTION, DIMENSIONAL DATA AND OTHER MEASUREMENTS SHOWN ARE OFFERED AS A GENERAL GUIDE ONLY AND WITHOUT GUARANTEE OF COMPLETE ACCURACY. ALL EXISTING ITEMS SHOWN ARE NOT TAKEN FROM EXISTING "AS-BUILT" DRAWINGS AND LIMITED FIELD SURVEY. CONTRACTOR SHALL VISIT THE SITE, AND REASONABLY FIELD VERIFY THE WORKING CONDITIONS REQUIRED TO INSTALL THE PARTICULAR CLASS OF WORK INVOLVED. MAKE PROVISIONS IN BID FOR SAME TO ASSURE THAT THE RESULTING INSTALLATION WILL BE COMPLETE, COORDINATED, AND RESULT IN A PROPERLY OPERATING SYSTEM.
 - CONTRACTOR SHALL PROVIDE THE OWNER WITH ONE COPY OF THESE DRAWINGS, MARKED WITH ANY ADDITIONS TO, OR DEVIATIONS FROM, THE WORK ILLUSTRATED, TO REPRESENT "AS-BUILT" CONDITIONS.
 - CONTRACTOR SHALL GUARANTEE THE ENTIRE INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER SUBSTANTIAL COMPLETION.
 - COOPERATE WITH OTHER TRADES TO KEEP THE WORK AREA CLEAN AND FREE OF UNNECESSARY MATERIALS OR DEBRIS ON A DAILY BASIS. WHEN WORK IS COMPLETE, REMOVE ALL TOOLS, SCAFFOLDING, MACHINERY, AND DEBRIS. CLEAN ALL DIRT AND DUST FROM ITEMS OF WORK AND BROOM SWEEP THE WORK AREA DAILY.
 - COOPERATE WITH THE OWNER'S REPRESENTATIVE AND OTHER TRADES TO MEET THE ESTABLISHED CONSTRUCTION SCHEDULE. SCHEDULE WORK SO AS TO AVOID DELAYING OTHER TRADES.
 - PROVIDE PIPING MARKERS FOR THE PIPING SYSTEMS, TO INCLUDE FLOW ARROWS, EVERY 30' ON CENTER AND 3'-0" BEFORE AND AFTER ELBOWS OR TEES.
 - SUBMIT ON ALL EQUIPMENT AND MATERIALS SPECIFIED HEREIN PRIOR TO COMMENCING WITH ANY WORK. FAILURE TO COMPLY WILL RESULT IN REPLACEMENT OF ALL ITEMS FOUND NOT IN COMPLIANCE WITH THESE REQUIREMENTS.
 - PROTECT ALL BUILDING COMPONENTS, WALLS, ROOFS, FLOORS, ADJACENT EQUIPMENT, LIGHTING, ETC. ANY ITEMS DAMAGED, OR WHERE FINISHES HAVE BEEN MARRED, SHALL BE REPAIRED TO THEIR ORIGINAL CONDITION AT NO COST TO THE OWNER. ALL ITEMS SOILED IN THE PROGRESS OF WORK SHALL BE CLEANED TO A "LIKE NEW," OR PRE-EXISTING, CONDITION.
 - AT TIME OF FINAL INSTALLATION OBSERVATIONS, THE OPERATION OF ALL SYSTEMS OF EQUIPMENT SHALL HAVE BEEN DEMONSTRATED TO PERFORM PROPERLY.
 - ANY DISCREPANCIES DISCOVERED BY THE CONTRACTOR DURING BIDDING SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER SO THAT AN ADDENDUM MAY BE ISSUED TO ADDRESS THOSE ITEMS PRIOR TO BIDDING. ANY DISCREPANCIES DISCOVERED AFTER BIDDING, THAT WERE REASONABLE TO HAVE BEEN DISCOVERED, SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
 - FOR RENOVATION AND REMODEL WORK, CAREFULLY REMOVE AND PROTECT ALL UNUSED EXISTING FIXTURES/EQUIPMENT, PIPING, DUCTWORK, ELECTRICAL SERVICES, AND ALL OTHER ITEMS ASSOCIATED THEREWITH WHERE INDICATED. COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO REMOVAL AND DISPOSAL. TO VERIFY WHETHER OWNER DESIRES TO KEEP ANY EXISTING ITEMS AND THE DESIRED MANNER OF DISPOSITION THEREOF. STORE ALL REMOVED ITEMS ON SITE FOR A MINIMUM OF TWO (2) WEEKS, UNLESS INDICATED OTHERWISE BY THE OWNER'S REPRESENTATIVE. TO ALLOW FOR INSPECTION BY THE OWNER. ALL ITEMS NOT RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DEMOLITION DRAWINGS.
 - EXISTING BUILDING OPERATIONS MUST REMAIN ACTIVATED AT ALL TIMES DURING NORMAL OPERATING HOURS. OBTAIN PERMISSION FROM OWNER'S REPRESENTATIVE PRIOR TO SHUTTING-DOWN ANY BUILDING SYSTEM. PROVIDE TEMPORARY CONNECTIONS OF UTILITIES AND AIR CONDITIONING AS NECESSARY TO FACILITATE THE PHASES OF CONSTRUCTION. MAINTAIN AIR DISTRIBUTION AND PIPING SYSTEMS TO OTHER FLOORS OF THE BUILDING OUTSIDE OF THE DEMOLITION AREA. SHUT DOWN OF EXISTING SYSTEMS SHALL OCCUR DURING UNOCCUPIED PERIODS WHERE POSSIBLE.
 - PENETRATIONS OF THE CEILINGS, WALLS, OR FLOORS SHALL BE PATCHED, SLEEVED, SEALED, ESCUTCHEONED, AND RESTORED TO THE ORIGINAL FINISH CONDITIONS AND FIRE RATINGS. COORDINATE ALL PENETRATIONS WITH OTHER TRADES.

B. PLUMBING SCOPE OF WORK:

- PROVIDE ALL MATERIALS, EQUIPMENT, AND PAY ALL COSTS CONNECTED WITH THE MODIFICATIONS OF EXISTING PLUMBING SYSTEMS AS SHOWN ON THE DRAWINGS, AND AS HEREINAFTER SPECIFIED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH ALL ITEMS OF MATERIAL AND LABOR, AND ALL OTHER COSTS, TO COMPLETE THE WORK WITHIN THE INTENT OF THESE DRAWINGS, EVEN THOUGH EACH AND EVERY ITEM NECESSARY IS NOT SPECIFICALLY MENTIONED OR SHOWN.
- SUBMIT MANUFACTURER'S BROCHURES ON BASIC MATERIALS & PLUMBING FIXTURES TO THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL.
- ALL WORK SHALL BE AS INDICATED ON THE DRAWINGS AND SHALL INCLUDE, BUT NOT BE LIMITED TO:
 - DOMESTIC COLD WATER SYSTEM, INCLUDING DISTRIBUTION AND BACKFLOW PREVENTION, AS REQUIRED BY CODE AND CONNECTION TO EXISTING WATER SUPPLIES.
 - DOMESTIC HOT WATER SYSTEM, INCLUDING EXTENDING AND CONNECTION TO DISTRIBUTION PIPING.
 - TRIM FOR PLUMBING FIXTURES, INCLUDING SETTING, AND FINAL CONNECTIONS.
 - THERMAL INSULATION OF ALL PIPING SYSTEMS.
 - ROUGH-IN AND FINAL CONNECTIONS FOR OWNER FURNISHED EQUIPMENT AND EQUIPMENT FURNISHED BY OTHER TRADES.
 - ALL PERMITS AND FEES.
 - INSPECTION AND TESTING.

C. PLUMBING MATERIALS AND WORKMANSHIP:

1. UTILITY CONNECTIONS:

- CONTRACTOR SHALL, BEFORE COMMENCEMENT OF THE PROJECT, VERIFY THE LOCATION, DEPTH, SIZE, AND PRESSURE OR GRADE OF ALL EXISTING BUILDING UTILITY LINES TO WHICH CONNECTIONS FOR SERVICE ARE TO BE MADE. IF, FOR ANY REASON, CONDITIONS APPPEAR TO BE ADVERSELY AFFECT THE LOCATION, DEPTH, SIZE, AND PRESSURE OR GRADE OF THESE SYSTEMS, SUCH CONDITIONS SHALL BE REPORTED TO THE PROJECT COORDINATOR IN WRITING FOR RESOLUTION THEREBY.
- ALL CHARGES FOR CUTTING AND PATCHING OF CONCRETE SLAB, WALLS, ETC., REQUIRED FOR THESE SERVICES, SHALL BE INCLUDED IN THE BID.

2. SANITARY SEWER/VENT SYSTEM:

- FURNISH AND INSTALL A COMPLETE SANITARY SYSTEM OF SOIL, WASTE, AND VENT PIPING FOR ALL NEW AND RELOCATED FIXTURES, DRAINS, EQUIPMENT DISCHARGES, ETC. AS SHOWN ON THE DRAWINGS AND HEREINAFTER SPECIFIED. ALL PIPING SHALL RUN STRAIGHT AS POSSIBLE AND BE INSTALLED TO GRADE A MINIMUM OF 1/4" PER FOOT FOR PIPING 3" AND SMALLER, AND 1/8" PER FOOT FOR PIPING 4" AND LARGER, UNLESS NOTED OTHERWISE. INSTALL THE SYSTEM IN ACCORDANCE WITH ALL LOCAL CODES.
- SANITARY SYSTEM WASTE AND VENT PIPING SHALL BE CISPI 301, OR ASTM B888 SERVICE WEIGHT ASPHALTUM COATED CAST IRON SOIL PIPE AND ASTM A74 SERVICE WEIGHT CAST IRON FITTINGS. JOINTS SHALL BE MADE WITH A STAINLESS STEEL CORRUGATED SHIELD AND CLAMP ASSEMBLY OVER ONE PIECE NEOPRENE SEALING SLEEVE, CLAMP-ALL "HI-TORQ 80" OR HUSKY SD-2000. CONTRACTOR SHALL INSTALL ALL UNDERGROUND SANITARY PIPING WITH POLY VINYL CHLORIDE (PVC) SCHEDULE 40, DRAIN WASTE VENT (DWV) PIPE, ASTM D2466, ASTM D 2321, ASTM D2665 AND ASTM 1785, NSF STAMPED AND APPROVED. SYSTEM SHALL BE RATED FOR 200 PSI MINIMUM PRESSURE. FITTING SHALL BE POLY VINYL CHLORIDE (PVC) SCHEDULE 40, DWV PATTERNED FITTINGS, ASTM D2466 AND ASTM 1784, NSF STAMPED AND APPROVED. SOLVENT CEMENT SHALL COMPLY WITH PIPE AND FITTING MANUFACTURERS RECOMMENDATIONS AND SHALL BE A TWO (2) STEP PROCESS WITH PRICED MANUFACTURED SHOT THERMOPLASTIC PIPING SYSTEMS AND SOLVENT CEMENT PER MANUFACTURER AND SHALL CONFORM TO ASTM D2564 AND ASTM F656.
- PVC PIPE MATERIAL SHALL NOT BE ALLOWED TO SERVE FIXTURES, DRAINS, OR EQUIPMENT SUBJECT TO RECEIVING FLUIDS WITH TEMPERATURES OF 140 DEG. F. OR HIGHER.** PROVIDE CAST IRON SERVICE WEIGHT PIPE AND FITTINGS SPECIFIED ABOVE AND EXTEND A MINIMUM OF 20' (TWENTY FEET) OR TO MAIN WASTE LINE TO ASSURE HIGH TEMPERATURE COOLS IN CAST IRON PIPE BEFORE ENTERING PVC PIPING MATERIAL. WHERE PVC IS NOT TO BE USED BELOW GRADE PROVIDE CAST IRON PIPE WITH BELL AND SPIGOT JOINTS, AND USE NEOPRENE COMPRESSION GASKET SEALS, ASTM C564. PIPES AND JOINTS SHALL BE MARKED WITH THE APPLICABLE CISPI STANDARD COMPLIANCE COLLECTIVE TRADEMARK.

3. FLOOR DRAINS/FLOOR SINKS:

- CURRENTLY THERE ARE NO NEW FLOOR DRAINS OR FLOOR SINKS. ALL NEW FIXTURES AND EQUIPMENT WILL DISCHARGE OPEN SITE AT EXISTING FLOOR DRAINS AND FLOOR SINKS.

4. FIELD QUALITY CONTROL

- FURNISH INSTRUMENTS, EQUIPMENT, AND LABOR NECESSARY TO CONDUCT TESTS.
- TEST DRAINAGE, WASTE, AND VENTING PIPING WITH WATER BEFORE FIXTURES ARE INSTALLED.
- AFTER PLUMBING FIXTURES HAVE BEEN SET AND TRAPS FILLED WITH WATER, SUBMIT ENTIRE DRAINAGE, WASTE, AND VENTING SYSTEM TO FINAL TEST WITH SMOKE.

5. DOMESTIC WATER SYSTEM:

- FURNISH AND INSTALL A COMPLETE WATER SUPPLY SYSTEM WITH BRANCH LINES SERVING ALL NEW AND RELOCATED PLUMBING FIXTURES, FAUCETS, EQUIPMENT, ETC., AS INDICATED ON THE DRAWINGS, AND AS SPECIFIED HEREIN.
- PIPE MATERIALS: WATER PIPING LOCATED ABOVE GRADE 2-1/2" AND SMALLER SHALL BE, ASTM E88 TYPE "L" HARD COPPER TUBING WITH ANSI B16.22 WROUGHT COPPER FITTINGS. JOINTS SHALL BE MADE WITH 855 SOLDER. WATER PIPING LOCATED BELOW GRADE SHALL BE, ASTM B88 TYPE "K", SOFT COPPER. THERE SHALL BE NO JOINTS IN TUBING LOCATED UNDER THE SLAB.
- VALVES: PROVIDE BRONZE LEAD FREE BALL VALVES WITH STAINLESS STEEL BALL AND STEMS FOR PIPE SIZES 2 1/2" AND SMALLER. VALVES SHALL BE EQUAL TO THAT AS MANUFACTURED BY HAMMOND - ULTRAPURE.
- RO WATER PIPING: ALL REVERSE OSMOSIS PIPING SHALL BE SCH. 40 SOCKET FUSION, UNIMPREGMENTED TYPE 2 VIRGIN NATURAL POLYPROPYLENE CONFORMING TO ASTM D4101. FITTINGS SHALL BE BY SAME MANUFACTURER AS THE PIPING AND SHALL BE SOCKET FUSION UNIMPREGMENTED TYPE 2 VIRGIN COPOLYMER POLYPROPYLENE. BALL VALVES SHALL BE DOUBLE-BLOCKING TYPE WITH O-RING CUSHIONS UNDER THE PTFE SEATS, VIRGIN, UNIMPREGMENTED TYPE 1 HOMOPOLYMER POLYPROPYLENE. ACCEPTABLE MANUFACTURER: IPEX - ENPURE HIGH-PURITY POLYPROPYLENE OR EQUAL BY ORION.
- PIPING SHALL BE INSTALLED WITH A GRADE FOR DRAINAGE TOWARD MAIN SUPPLY RISERS AND TO FIXTURE CONNECTIONS TO ALLOW COMPLETE DRAINAGE OF THE SYSTEM.
- WATER SYSTEM SHALL BE STERILIZED WITH A SOLUTION OF HTH IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE PUBLIC HEALTH DEPARTMENT. PUMP THE HTH SOLUTION INTO THE WATER SYSTEM AND FILL THE COMPLETE SYSTEM, INCLUDING BRANCH PIPES. EACH OUTLET SHALL BE PURGED FOR AIR DURING THE STERILIZATION PROCESS. SYSTEM SHALL BE COMPLETELY FLUSHED AFTER STERILIZATION.

- AT EACH FIXTURE FAUCET, PROVIDE A STOP VALVE IN EACH SUPPLY. STOP VALVES SHALL BE IN ACCORDANCE WITH PLUMBING CODE. PROVIDE IN-LINE CHECKS ON WATER SUPPLIES AT FAUCET WHERE REQUIRED TO PREVENT CROSS-CONNECTIONS. INSTALL AIR CHAMBERS 1'-6" MINIMUM HEIGHT AT ALL CONNECTIONS AND ASSE 1010 APPROVED & PDI CERTIFIED SHOCK ARRESTERS EQUAL TO "HYDRA-RESTER", SIOUX CHIEF MANUFACTURING CO.

h. VACUUM BREAKERS:

- ACCEPTABLE MANUFACTURER:
 - WATTS.
 - FEBCO.
 - BEECO.
- ATMOSPHERIC CHECK VALVE TYPE
- BRONZE BODY CONSTRUCTION WITH POLISHED CHROME FINISH.

i. SPILL-RESISTANT VACUUM BREAKERS:

- ACCEPTABLE MANUFACTURER:
 - WATTS.
 - FEBCO.
 - BEECO.
- ANTI-SIPHON
- TESTABLE CHECK VALVE TYPE
- LEAD FREE BRONZE BODY CONSTRUCTION WITH POLISHED CHROME FINISH.
- EQUAL TO WATTS LF08PQCT

j. REDUCED PRESSURE TYPE BACKFLOW PREVENTER ASSEMBLY (FOR NON-RO WATER):

- ACCEPTABLE MANUFACTURERS:
 - WATTS.
 - BEECO.
 - AMES.
- DOUBLE CHECK VALVE TYPE WITH SHUTOFF VALVES
 - QUARTER TURN BALL SHUT-OFF VALVES UP TO 2-1/2 INCHES.
 - OUTSIDE STEM AND YOKE GATE SHUT-OFF VALVES 3 INCHES AND OVER.
- DIFFERENTIAL PRESSURE TYPE RELIEF VALVE WITH AIR GAP FITTING.
- LEAD-FREE BRONZE BODY CONSTRUCTION UP TO 2-1/2 INCHES.
- CAST IRON BODY CONSTRUCTION 3 INCHES AND OVER.
- PROVIDE IN-LINE UPSTREAM Y-TYPE STRAINER.
 - 20 MESH STRAINER 1 INCHES AND BELOW.
 - 0.125 PERFORATED SCREEN MESH 2-1/2 INCHES AND OVER.
- ACCEPTABLE PRODUCT: WATTS NO. 909S (FDA)-QT.

- REDUCED PRESSURE TYPE BACKFLOW PREVENTER ASSEMBLY - STAINLESS STEEL (FOR CONNECTION TO COMMERCIAL DISHWASHERS):
 - ACCEPTABLE MANUFACTURERS:
 - WATTS.

- APOLLO.
- WILKINS.
- DOUBLE CHECK VALVE TYPE WITH SHUTOFF VALVES
 - QUARTER TURN BALL SHUT-OFF VALVES UP TO 1 INCHES.
- DIFFERENTIAL PRESSURE TYPE RELIEF VALVE WITH AIR GAP FITTING.
- LEAD-FREE STAINLESS STEEL BODY CONSTRUCTION UP TO 1 INCHES.
- PROVIDE IN-LINE UPSTREAM Y-TYPE STRAINER.
 - 20 MESH STRAINER 1 INCHES AND BELOW.
- ACCEPTABLE PRODUCT: WATTS NO. 0095S-QT.

- PROVIDE STAINLESS STEEL, 16 INCH BY 16 INCH ACCESS DOORS WITH CAM LOOKS EQUAL TO MILCOR STYLE "K, M OR DW" AS REQUIRED FOR ACCESS TO ALL VALVES BEHIND GYPSUM BOARD CEILINGS AND WALLS, PAINT TO MATCH ADJACENT FINISHES.

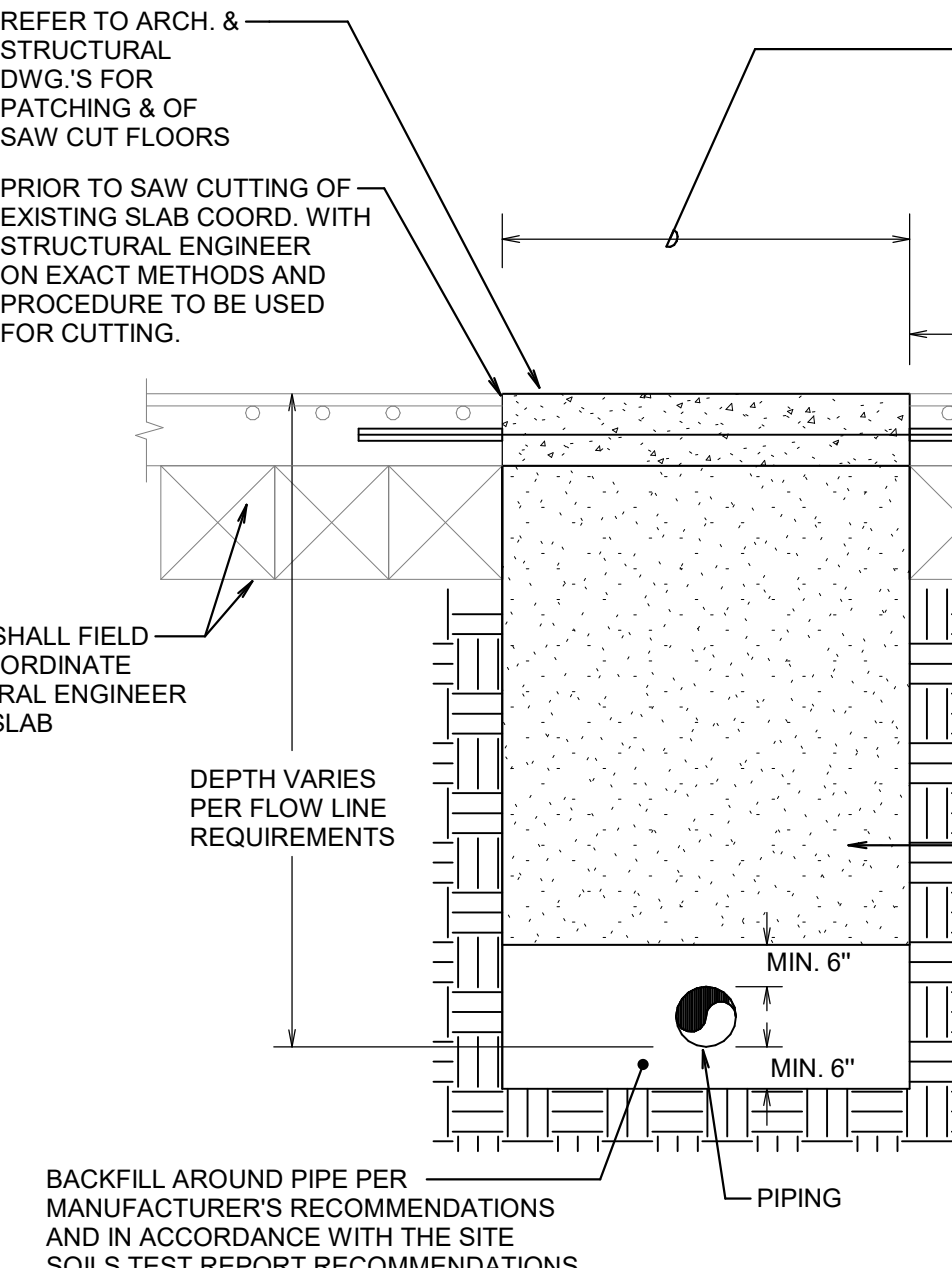
- INSTALL BRONZE LEAD FREE CHECK VALVES IN THE HOT AND COLD WATER BRANCHES TO MIXING TYPE FAUCETS OR MIXING VALVES, AS REQUIRED TO PREVENT CROSS-CONNECTIONS.

- INSULATION: INSULATION OF ALL DOMESTIC HOT AND COLD WATER PIPING WITHIN THE BUILDING AND ALL CONDENSATE DRAIN PIPING.

- DOMESTIC COLD AND HOT WATER: ONE INCH (1") THICK, 4 POUND OR HEAVIER DENSITY, MOLDED SECTIONAL GLASS FIBER PIPE COVERING WITH FACTORY APPLIED, WHITE FRG, FIRE RESISTANT, VAPOR BARRIER JACKET. USE 7 PSF DENSITY INSULATION INSERTS WITH 16 GAUGE MOLDED FIBERGLASS WITH FIRE RESISTANT JACKET. ELBOWS AND FITTINGS WILL BE THE SAME THICKNESS.
- CONDENSATE DRAIN: 1/2" ARMAFLEX OR APPROVED EQUAL.
- COPPER TUBING BELOW SLAB OR CAST IN CONCRETE: 1/2" ARMAFLEX OR APPROVED EQUAL.

6. TESTS AND INSPECTIONS

- WASTE AND VENT PIPING SHALL BE TESTED ON COMPLETION OF THE ROUGH WORK AND BEFORE FIXTURES AND TRAPS ARE CONNECTED. ALL OPENINGS, EXCEPT HIGHEST VENTS, ARE TO BE PLUGGED AND THE SYSTEM COMPLETELY FILLED WITH WATER. SYSTEM SHALL STAND WITHOUT LEAK OR LOSS OF WATER FOR A PERIOD OF NOT LESS THAN FOUR (4) HOURS.
- ALL WATER PIPING SHALL BE PRESSURIZED HYDRAULICALLY AT 150 POUNDS PER SQUARE INCH AND THIS PRESSURE SHALL BE HELD WITHOUT ADDITIONAL PRESSURIZATION FOR NOT LESS THAN ONE (1) HOUR. EQUIPMENT, ETC., IN THE SYSTEM THAT MAY BE DAMAGED BY THIS PRESSURE SHALL BE ISOLATED OR DISCONNECTED FROM THE SYSTEM.



NOTE: INFORMATION PROVIDED IS NOT INTENDED TO REFLECT THE EXACT SLAB BUT IS INTENDED FOR GENERAL BACKFILL INFORMATION ONLY. CONTRACTOR SHALL FIELD VERIFY EXISTING SLAB TYPE, THICKNESS, REINFORCING, AND COORDINATE SAW CUTTING REQUIREMENTS WITH THE STRUCTURAL ENGINEER PRIOR TO PERFORMING ANY WORK.

1 EXISTING FOUNDATION UNDERFLOOR PIPING DETAIL
NO SCALE

REVERSE OSMOSIS SYSTEM CIRCULATION PUMP SCHEDULE

DESIGNATION	PUMP TYPE	MANUFACTURER	MODEL	SERVICE	GPM	PUMP HEAD	RPM	ELECTRICAL DATA				DESCRIPTION
								HP	VOLTS	PH	HZ	
GP-1	CIRCULATION PUMP	GRUNFOS	UPS26-99SFC	RO SYSTEM	33 GPM	29 FT	3150	0.167 hp	120 V	1	60 Hz	AT SPEED 3 - STAINLESS STEEL BODY

PLUMBING LEGEND

SYMBOL	DESCRIPTION
---	DOMESTIC COLD WATER (CW)
----	DOMESTIC HOT WATER (HW)
-----	DOMESTIC HOT WATER RETURN (HWR)
---SS---	SANITARY WASTE (SS)
-----V-----	SANITARY VENT (V)
---RO---	REVERSE OSMOSIS WATER (RO)
---	EXISTING TO REMAIN
[Symbol]	FLOOR DRAIN
[Symbol]	FLOOR SINK
[Symbol]	GAS METER
[Symbol]	ROOF PIPE SUPPORT
[Symbol]	PLUG VALVE
[Symbol]	GAS PRESSURE REGULATOR
[Symbol]	RISE & DROP IN PIPING
[Symbol]	CLEANOUT
[Symbol]	BALL VALVE
[Symbol]	CHECK VALVE
[Symbol]	UNION
[Symbol]	GAS COCK
[Symbol]	PRESSURE REDUCING VALVE
[Symbol]	PRESSURE RELIEF VALVE
[Symbol]	HOSE BIBB
[Symbol]	NEW CONNECTION TO EXISTING
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
B.T.C.	BRANCH TO CONNECTION
A.F.F.	ABOVE FINISHED FLOOR
B.F.F.	BELOW FINISHED FLOOR
B.F.G.	BELOW FINISHED GRADE
EXT. GB.	EXTERIOR GRADE BEAM
FL	FLOWLINE ELEVATION
CO	CLEAN OUT
FCO	FLOOR CLEAN OUT
GCO	GRADE CLEAN OUT
DCO	DOUBLE CLEAN OUT
WCO	WALL CLEAN OUT
VTR	VENT THROUGH ROOF
(E)	EXISTING UTILITIES
D.S.	DOWNSPOUT
[Symbol]	SQUARE FEET

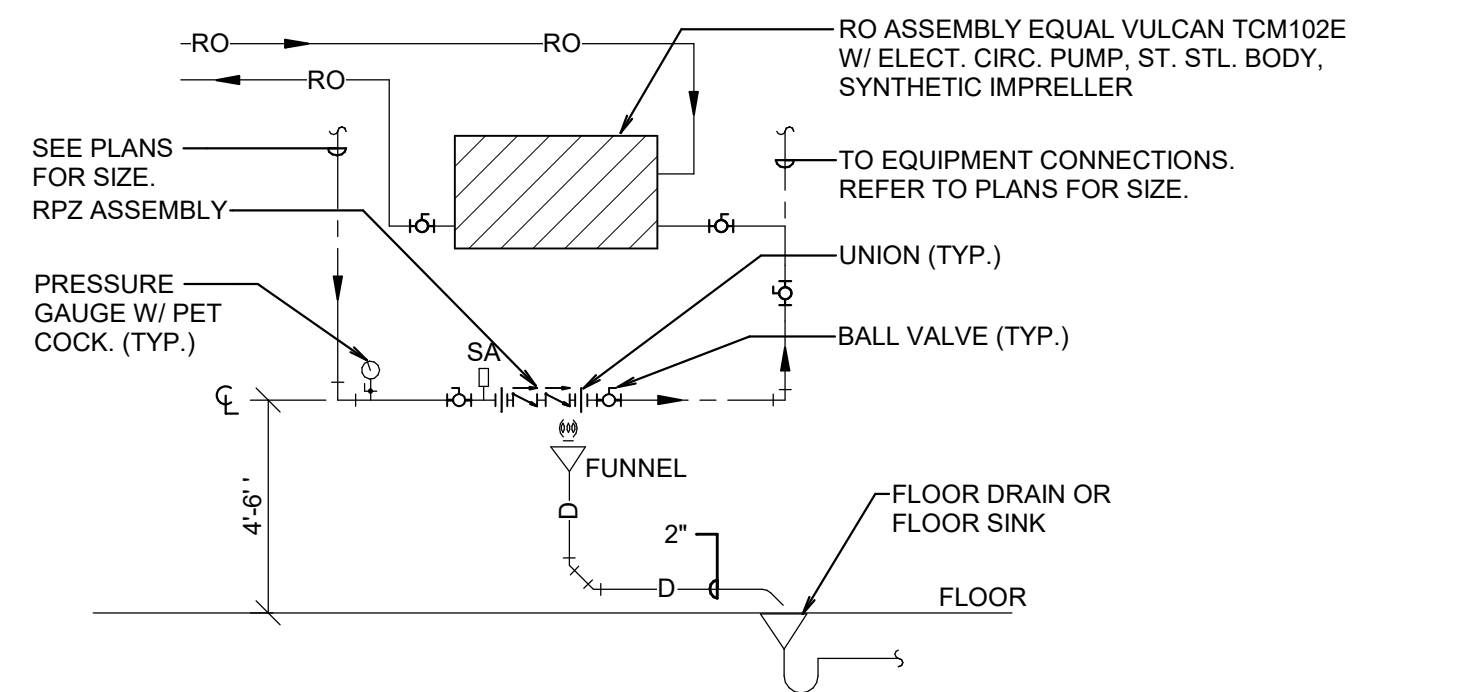
NOTE: NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED

GENERAL PLUMBING NOTES:

- ALL DIMENSIONS AND FIELD CONDITIONS SHALL BE CHECKED AND VERIFIED BY CONTRACTOR AT THE SITE. THE LOCATION OF ALL NEW PIPING, FIXTURES, EQUIPMENT, LOCATIONS, SIZES, SCALES, AND DIMENSIONS SHALL BE CHECKED AND VERIFIED ON SITE.
- CONTRACTOR SHALL LAY OUT THEIR WORK BASED ON ACTUAL FIELD MEASUREMENTS AND ACTUAL DIMENSIONS OF EQUIPMENT AND FIXTURES INSTALLED. ALL PIPING AND EQUIPMENT OF ALL TRADES SHALL BE PROPERLY COORDINATED AND SET IN PLACE TO MAINTAIN REQUIRED SERVICE CLEARANCES. ALL INSTALLATIONS SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT.
- CONTRACTOR SHALL CHANGE THE LOCATION OF NEW PIPING, WHERE REQUIRED, TO MEET FIELD CONDITIONS.
- CONTRACTOR SHALL SUBMIT COMPLETE PRODUCT DATA ALONG WITH SHOP DRAWINGS. PREPARE AND SUBMIT 1/4" = 1'-0" SCALE PLUMBING PIPING SHOP DRAWINGS. CONTRACTOR SHALL FULLY COORDINATE ALL PIPING SHOP DRAWINGS WITH SHEET METAL SHOP DRAWINGS AND WITH THE WORK OF ALL OTHER TRADES. PRIOR TO SUBMITTAL SHOP DRAWINGS SHALL BE CHECKED FOR OBSTRUCTIONS AND INTERFERENCE, ETC. FAILURE TO SUBMIT SHOP DRAWINGS IN A TIMELY MANNER AS REQUIRED TO KEEP PACE WITH THE CONSTRUCTION SCHEDULE MAY RESULT IN DELAYS, AND POSSIBLE STOPPAGE OF PAYMENT TO THE CONTRACTOR. ADDITIONALLY, NO WORK MAY PROCEED UNTIL SUCH SHOP DRAWINGS ARE SUBMITTED, REVIEWED, AND FOUND TO BE ACCEPTABLE BY THE ARCHITECT AND ENGINEER.
- REFER TO AVAILABLE STRUCTURAL PLANS FOR EXACT LOCATION OF STRUCTURAL PIERS, BEAMS, JOISTS AND OTHER STRUCTURAL ELEMENTS. MODIFY PIPE ROUTING AS REQUIRED TO AVOID CONFLICTS WHERE SUCH OCCURS.
- REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATIONS OF ALL WALLS, PARTITIONS, CEILINGS, CEILING HEIGHTS, AND EQUIPMENT/FIXTURES.
- CONTRACTOR SHALL CONFIRM SCALE OF PLUMBING DRAWINGS BY COMPARISON WITH ARCHITECTURAL DRAWINGS TO VERIFY THE ACCURACY OF ALL TAKE-OFFS MADE DURING THE BIDDING PERIOD.
- ANY PIPE PENETRATIONS OF CEILINGS, WALLS OR FLOORS SHALL BE RESTORED TO THE FIRE RATINGS INDICATED ON THE ARCHITECTURAL DRAWINGS. FLOOR, WALL AND CEILING PIPING PENETRATIONS SHALL BE PATCHED, SLEEVED, SEALED, AND BE PROVIDED WITH APPROPRIATE ESCUTCHEONS WHERE LOCATED IN FINISHED/EXPOSED SPACES.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FLOOR DRAINS, PLUMBING FIXTURES, & KITCHEN EQUIPMENT.
- ALL GREASE WASTE AND SANITARY SEWER PIPING THAT RECEIVES A DISCHARGE OF WASTE OR WATER THAT IS 140 DEGREE F. OR GREATER IN TEMPERATURE SHALL BE STANDARD WEIGHT CAST IRON PIPE WITH HUB AND SPIGOT FITTINGS FOR BURIED PIPING UNDER DIRT EVEN IF IN A CRAWL SPACE! INSTALLATIONS AND HUBS FOR ABOVE SLAB INSTALLATIONS OR SUSPENDED ABOVE GROUND IN A CRAWL SPACE, WITHOUT EXCEPTION, EXTEND CAST IRON PIPE TO BE A MINIMUM OF 20' TWENTY LINEAR FEET IN LENGTH BEFORE ALLOWING TRANSITION BACK TO ANOTHER PIPE MATERIAL, OR AFTER CONNECTING TO A MAIN DRAIN LINE.
- CONTRACTOR SHALL NOT DEVIATE FROM THE CONSTRUCTION DOCUMENTS. ANY DEVIATION SHALL RECEIVE WRITTEN ACCEPTANCE AND APPROVAL FROM THE OWNER AND ARCHITECT IN ADVANCE OF SUCH WORK BEING PERFORMED. SUBMIT SUCH REQUESTS TO THE ARCHITECT AND ENGINEER ALONG WITH THE MONETARY CREDIT, AS APPLICABLE. ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS FOUND ON THE PROJECT THAT DID NOT RECEIVE A LETTER OF CERTIFICATION AND APPROVAL FROM THE OWNER OR ARCHITECT SHALL BE FULLY REPLACED AND SHALL BE MADE TO BE IN FULL COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS AT THE EXPENSE OF THE CONTRACTOR.

GENERAL DEMOLITION NOTES:

- THE INFORMATION SHOWN ON THE DEMOLITION DRAWINGS IS NOT TAKEN FROM "AS BUILT" DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO SUBMITTING A BID TO DETERMINE THE GENERAL AMOUNT OF WORK THAT WILL BE REQUIRED. CONTRACTOR SHALL EXAMINE THE EXISTING BUILDING, VERIFY THE GENERAL LOCATION OF ALL EXISTING WORK, AND BECOME INFORMED AS TO THE RELATION TO AND IMPACT ON THE WORK REQUIRED. SUBMISSION OF A BID WILL CONSTITUTE EVIDENCE THAT THE CONTRACTOR HAS INSPECTED THE SITE IN THE FASHION NOTED ABOVE.
- COORDINATE DEMOLITION WORK WITH BUILDING MAINTENANCE PERSONNEL AND OTHER TRADES PERFORMING WORK IN THE BUILDING PRIOR TO THE REMOVAL OF ANY ITEMS OF EQUIPMENT OR SYSTEMS THAT SHALL AFFECT OTHER SYSTEMS WITHIN THE LIMITS OF NEW CONSTRUCTION OR OTHER AREAS OF THE EXISTING BUILDING.
- WORK SHOWN ON THE DEMOLITION DRAWINGS DOES NOT ACCURATELY REFLECT ALL OF THE EXISTING CONDITIONS OR THE COMPLETE SCOPE OF THE DEMOLITION WORK. THIS WORK SHALL BE BASED ON THE DEMOLITION DRAWINGS, EXISTING DRAWINGS MADE AVAILABLE TO THE CONTRACTOR AND FIELD.
- THE DRAWINGS ONLY REFLECT KNOWN AREAS OF DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF THE COMPLETE SCOPE OF THE DEMOLITION WORK.
- CONTRACTOR SHALL TRACE ALL PIPING BACK TO MAIN RISERS AND/OR SUPPLIES, AND VERIFY THAT PIPING DOES NOT SERVE ANY OTHER FIXTURES TO REMAIN. CONTRACTOR SHALL OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO REMOVAL OF PIPING TO BE DEMOLISHED.
- FLUSH AND CLEAN ALL EXISTING FLOOR DRAINS, AREAWAY DRAINS, AND RELATED DRAINAGE AS REQUIRED DURING CONSTRUCTION, AND AT THE COMPLETION OF THE PROJECT, TO PREVENT BLOCKAGE OF THE DRAINS WITH CONSTRUCTION DIRT, TRASH AND DEBRIS.
- CONTRACTOR SHALL PATCH AND REPAIR ALL WALLS, FLOORS AND CEILINGS TO MATCH EXISTING FINISHES OR PROPOSED NEW FINISHES, AS APPLICABLE, AND AS NECESSARY WHICH ARE AFFECTED BY THE REMOVAL AND/OR REWORK OF PLUMBING FIXTURES AND PIPING.



NOTES:

- ALL BACKFLOW PREVENTORS SHALL BE TESTED BY AN APPROVED BACKFLOW PREVENTION SPECIALIST PRIOR TO BEING IN SERVICE. A CUSTOMER SERVICE INSPECTION CERTIFICATE SHALL BE REQUIRED PRIOR TO OBTAINING A CERTIFICATE OF OCCUPANCY PERMIT.

2 REDUCED PRESSURE BACKFLOW PREVENTER DETAIL
NO SCALE



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OWP PROJECT NO. DATE OF ISSUE
2022-11-00 01.18.2023

REVISIONS

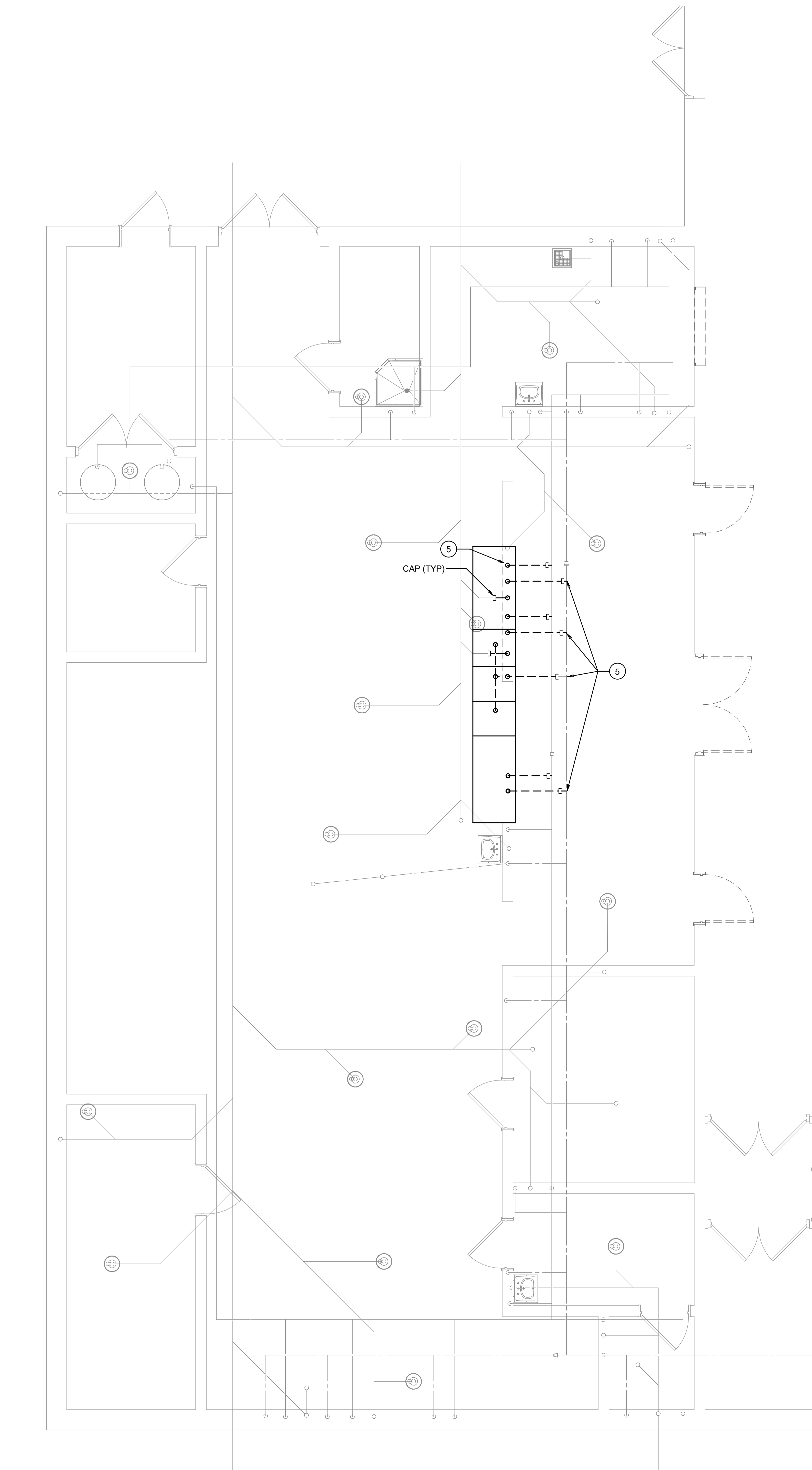
DELTA DESCRIPTION DATE

PROJECT TEAM DRAWN BY
ED TEXAS RWB

PROJECT PHASE
CONSTRUCTION DOCUMENTS

SHEET CONTENTS
PLUMBING
SPECIFICATIONS,
LEGEND & NOTES
SHEET NO.

P000



PLAN NORTH TRUE NORTH
1 DEMOLITION FLOOR PLAN - LEVEL 1 - OVERALL - PLUMBING
SCALE: 1/4" = 1'-0"

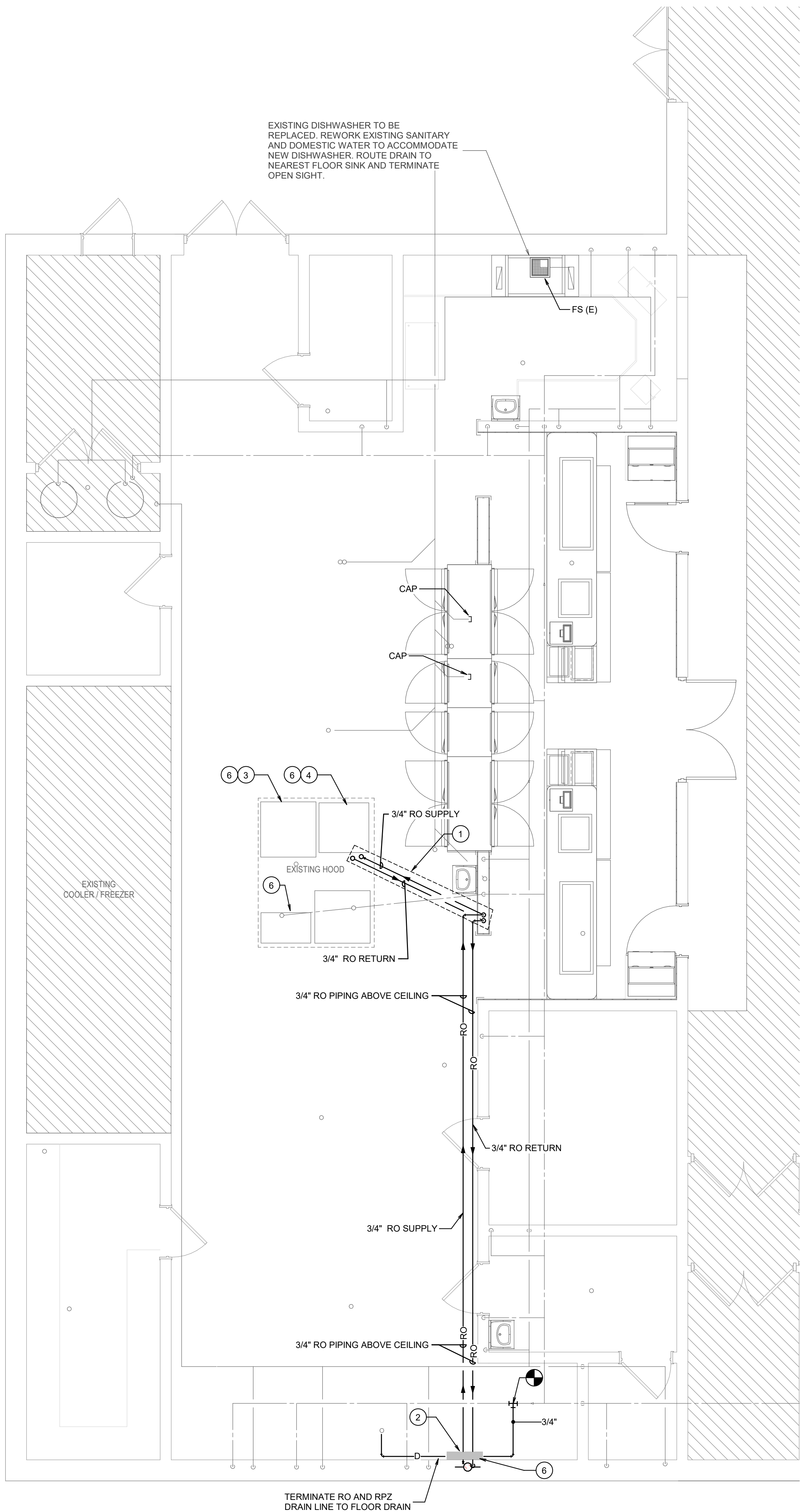
GENERAL FIRE SPRINKLER REWORK NOTE:

1. CONTRACTOR SHALL REWORK EXISTING WET SPRINKLER SYSTEM AS REQUIRED TO ACCOMMODATE AREAS OF NEW CONSTRUCTION, INCLUDING ALL AREAS OF RENOVATION, AREAS OF THE EXISTING BUILDING NOT CURRENTLY SPRINKLERED AND ADDITIONS. CONTRACTOR SHALL REWORK THE EXISTING FIRE RISER, FIRE HEADER, FIRE MAIN, DISTRIBUTION PIPING AND BRANCH PIPING AS REQUIRED IN ORDER TO ACCOMMODATE THE RENOVATED AREAS, AREAS OF NEW CONSTRUCTION AND AREAS OF THE BUILDING NOT CURRENTLY SPRINKLERED. RELOCATE AND / OR REPLACE EXISTING SPRINKER MAINS, BRANCH PIPING AND SPRINKLERS AS REQUIRED TO ACCOMMODATE CONSTRUCTION. PROVIDE NEW SPRINKLERS AS NECESSARY FOR COMPLETE COVERAGE. WHERE SPRINKLER PIPING IS REMOVED DISCONNECT & CAP ABOVE CEILING. CONTRACTOR SHALL FIELD VERIFY SCOPE OF WORK PRIOR TO BID SUBMITTAL.

PLUMBING EQUIPMENT ROUGH-IN CONNECTIONS ARE BASED ON ARCHITECT-PROVIDED EQUIPMENT SELECTIONS AND CUTSHEETS. CONTRACTOR TO REVIEW CUTSHEETS, CONFIRM CONNECTION REQUIREMENTS, AND FIELD VERIFY FIELD CONDITIONS AND REQUIREMENTS PRIOR TO PLUMBING ROUGH-IN. CONTRACTOR SHALL SUBMIT ANY AND ALL REQUIRED PLUMBING ROUGH-IN CONNECTION CHANGES TO ENGINEER PRIOR TO PLUMBING ROUGH-IN.

NOTES BY SYMBOL 'O':

- 1 SAWCUT EXISTING PIPING TO ACCOMMODATE NEW RO SYSTEM PIPING BELOW GRADE. ROUTE RO PIPING IN 3" PVC SLEEVE BELOW FLOOR. REFER TO DETAIL 'O1' ON SHEET P000.
- 2 RO ASSEMBLY AND RPZ. MOUNT RO ASSEMBLY ABOVE RPZ MAX 6'-0" AFF. REFER TO DETAIL 'O2' ON SHEET P000 FOR RPZ DETAIL. COORDINATE FINAL APPROVED LOCATION WITH ARCHITECT.
- 3 EXISTING BRAISING PAN AND STEAMER TO BE REPLACED. REWORK EXISTING DOMESTIC WATER AND DRAIN PIPING TO ACCOMMODATE NEW EQUIPMENT.
- 4 EXISTING COMBI OVEN TO BE REPLACED. REWORK EXISTING DOMESTIC WATER AND DRAIN PIPING TO ACCOMMODATE NEW EQUIPMENT.
- 5 EXISTING THREE COMPARTMENT SINK TO BE REMOVED AND RETURNED TO OWNER. REMOVE ASSOCIATED EXISTING SANITARY SEWER PIPING AND CAP BELOW FLOOR. REMOVE ASSOCIATED EXISTING VENT AND DOMESTIC WATER PIPING AND CAP ABOVE CEILING AT WATER MAIN.
- 6 CONTRACTOR SHALL INSTALL LOOSE IN-LINE FILTER AT ALL EQUIPMENT AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS AND EQUIPMENT CUTSHEETS FOR SCOPE OF WORK.



PLAN NORTH TRUE NORTH
2 FLOOR PLAN - LEVEL 1 - OVERALL - PLUMBING
SCALE: 1/4" = 1'-0"



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OWP PROJECT NO. DATE OF ISSUE
2022-110-00 01.18.2023

REVISIONS	DESCRIPTION	DATE
DELTA		

PROJECT TEAM
ED TEXAS

DRAWN BY
Author

PROJECT PHASE
CONSTRUCTION DOCUMENTS

SHEET CONTENTS
FLOOR PLAN - LEVEL 1 - PLUMBING

SHEET NO.
P100

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DATE: 11/01/2022 10:00:00 AM
PLOT SCALE: 1" = 1'-0"

GENERAL DEMOLITION NOTES:

1. THE INFORMATION ON THE DEMOLITION DRAWINGS ARE NOT FROM "AS BUILT" DRAWINGS BUT FROM ORIGINAL DRAWINGS. THIS INFORMATION IS INCLUDED FOR REFERENCE ONLY. CONTRACTOR WILL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO SUBMITTING A BID TO DETERMINE THE AMOUNT OF WORK THAT WILL BE REQUIRED. CONTRACTOR SHALL EXAMINE THE EXISTING BUILDING AND GENERALLY VERIFY THE LOCATION OF ALL EXISTING WORK AND BECOME INFORMED AS TO THE RELATION TO AND EFFECT ON THE WORK REQUIRED BEFORE SUBMITTING A BID. SUBMISSION OF A BID WILL CONSTITUTE EVIDENCE THAT THE CONTRACTOR HAS INSPECTED THE SITE OF THE PROPOSED WORK.
2. EXISTING MPE ITEMS TO BE REMOVED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED BY THE DESIGNATED OWNERS REPRESENTATIVE.
3. COORDINATE DEMOLITION WORK WITH THE BUILDING MAINTENANCE PERSONNEL AND OTHER TRADES PERFORMING WORK IN THE BUILDING PRIOR TO THE REMOVAL OF ANY ITEMS OF EQUIPMENT OR SYSTEMS THAT WILL AFFECT OTHER SYSTEMS WITHIN THE LIMIT OF NEW CONSTRUCTION OR OTHER AREAS OF THE BUILDING. CONTRACTOR SHALL VERIFY WITH THE OWNER IF THE BUILDING WILL BE OCCUPIED DURING CONSTRUCTION. ANY REQUIRED OUTAGES MUST BE COORDINATED WITH THE OWNER.
4. PRIOR TO THE REMOVAL OF ANY MPE ITEMS OF EQUIPMENT, CONTRACTOR MUST VERIFY THE ORIGIN AND TERMINATION OF THOSE SYSTEMS AND CONFIRM THAT THE ITEMS BEING REMOVED DO NOT SERVE ANY ITEMS THAT ARE TO REMAIN (INCLUDING THOSE IN AREAS OUTSIDE THE CONTRACT LIMITS).
5. REFER TO ARCHITECTURAL DRAWINGS FOR OTHER DEMOLITION INFORMATION TO INCLUDE PHASING OF WORK AND CONSTRUCTION SCHEDULE.
6. DO NOT ABANDON ANY ITEMS IN PLACE. REMOVE ALL COMPONENTS ASSOCIATED WITH EACH ITEM CALLED OUT TO BE REMOVED.
7. REMOVE ELECTRICAL CONNECTIONS TO EXISTING MECHANICAL AND PLUMBING EQUIPMENT BEING REMOVED. REFER TO MECHANICAL AND PLUMBING PLANS FOR EQUIPMENT TO BE REMOVED.

GENERAL LOW VOLTAGE NOTES:

1. PRIOR TO COMMENCING ANY DEMOLITION WORK, ALL LOW VOLTAGE SYSTEMS (PA & PAGING, FIRE ALARM, NETWORK, SECURITY CAMERAS) ARE TO BE OPERATIONALLY TESTED BY THE OWNER AND WITNESSED BY THE CONTRACTOR, AND ANY DEFICIENCIES SHALL BE NOTED.
2. ALL DEVICES NOT SHOWN TO BE REMOVED, SHALL BE PROTECTED FROM DUST, DEBRIS AND DAMAGE DURING CONSTRUCTION.
3. ALL FIRE ALARM WORK TO BE PERFORMED BY A STATE OF TEXAS LICENSED FIRE ALARM INSTALLER.

GENERAL POWER NOTES:

1. ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES, RULES, REGULATIONS AND REQUIREMENTS OF THE SERVICE UTILITY COMPANY.
2. ALL WORK SHALL COMPLY WITH THE BUILDING OWNER'S CONSTRUCTION GUIDELINES.
3. ALL CIRCUITS SHOWN SHALL BE 120V, 20A CIRCUITS UNLESS NOTED OTHERWISE.
4. ALL CONDUCTORS SHALL BE #12 AWG UNLESS NOTED OTHERWISE.
5. ALL 120V RUNS LONGER THAN 60' SHALL BE #10 AWG UNLESS NOTED OTHERWISE ON THE PLANS.
6. ALL CONDUCTORS SHALL BE COPPER (#10 AND SMALLER SHALL BE SOLID).
7. WHERE CONDUCTOR SIZES ARE NOTED ON DRAWINGS, THAT CONDUCTOR SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS NOTED OTHERWISE.
8. PANELBOARD DIRECTORIES SHALL BE COMPLETELY FILLED OUT TO ACCURATELY IDENTIFY EACH CIRCUIT (EXISTING AND NEW CIRCUITS) IN ALL PANELS WITHIN SCOPE OF WORK. DIRECTORIES SHALL BE TYPEWRITTEN.
9. ELECTRICAL CONTRACTOR SHALL PROVIDE A 4"x4"x5/8" STEEL JUNCTION BOX WITH SINGLE GANG MUD RING AND 1" METAL CONDUIT TO A MINIMUM OF 4" ABOVE FINISHED CEILING IN ACCESSIBLE CEILING FOR ALL TEL/DATA DEVICES SHOWN ON DRAWINGS. COORDINATE EXACT DEVICE LOCATION WITH OWNERS I.T. REPRESENTATIVE AND ARCHITECT. PROVIDE A PULL STRING INSTALLED FOR FUTURE USE. PULL STRING SHALL BE SECURED AT EACH END TO PREVENT ACCIDENTAL REMOVAL.
10. WHERE SHOWN, THE NUMBER DESIGNATION SHOWN AT WALL VOICE/DATA OUTLETS IS FOR OWNERS QUANTITY OF CABLE DROPS.
11. DO NOT MOUNT THE POWER AND/OR TELEPHONE/DATA JUNCTION BOXES BACK TO BACK IN THE WALL.
12. REFER TO MECHANICAL FLOOR PLANS FOR WALL MOUNTED THERMOSTAT, SENSOR AND ALL OTHER CONTROL DEVICE LOCATIONS. PROVIDE FLUSH, GALVANIZED STEEL WALL MOUNTED JUNCTION BOX WITH 3/4" EMT CONDUIT AND NYLON PULL STRING TO 4" ABOVE ACCESSIBLE CEILING FOR EACH DEVICE.
13. ALL DEVICES SHALL BE MOUNTED AS INDICATED ON THE ARCHITECTURAL DRAWINGS. COORDINATE EXACT MOUNTING LOCATIONS, HEIGHTS AND ORIENTATIONS WITH ARCHITECTURAL DRAWINGS.
14. ALL RECEPTACLES MOUNTED IN KITCHENS, RESTROOMS, AT COUNTERS CONTAINING SINKS, OUTSIDE THE BUILDING OR SERVING VENDING MACHINES SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER(GFCI) PROTECTION.
15. ELECTRIC CONNECTIONS TO PANELBOARDS AND BUS DUCTS SHALL BE MADE ONLY WHEN PANELBOARD OR BUS DUCT HAS BEEN DE-ENERGIZED.
16. ALL ELECTRICAL PANELS AND TRANSFORMERS SHALL HAVE PERMANENT ENGRAVED LABELS ON COVER INDICATING PANEL OR TRANSFORMER DESIGNATION.
17. ELECTRICAL CONTRACTOR SHALL X-RAY SLAB PRIOR TO ANY CORE-DRILLING.
18. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ALL MOTOR STARTERS AND CONTROL PANEL LOCATIONS.
19. THE CONTRACTOR SHALL UPDATE ROOM NAMES AND ROOM NUMBERS ON FINAL PANEL SCHEDULES TO REFLECT FINAL BUILDING CONDITIONS.
20. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL NOTES, SYMBOLS AND DETAILS.

GENERAL LIGHTING NOTES:

1. ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES, RULES, REGULATIONS.
2. ALL WORK SHALL COMPLY WITH THE BUILDING OWNER'S CONSTRUCTION GUIDELINES.
3. GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF CONFLICTS OCCUR BETWEEN LIGHTING AND ANY OTHER TRADE. DO NOT PROCEED WITH INSTALLATION IN THAT AREA UNTIL CONFLICT HAS BEEN RESOLVED TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING INSTRUCTIONS FOR ALL LIGHT FIXTURES. NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE ARCHITECTURAL PLANS RELATING TO QUANTITY, TYPE AND LOCATION OF DEVICES AND/OR FIXTURES.
5. WHEN SPECIFIC LIGHT FIXTURE TYPE HAS BEEN SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE, ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE ASSEMBLY INCLUSIVE OF ALL PARTS AND HARDWARE.
6. CONTRACTOR SHALL COORDINATE LIGHT FIXTURE MOUNTING FRAMES AND ACCESSORIES WITH THE CEILING TYPE ACTUALLY BEING FURNISHED. REFER TO FINAL ARCHITECTURAL REFLECTED CEILING PLAN AND RELATED SUBMITTALS PRIOR TO CONFIRMING MOUNTING FRAMES AND ACCESSORIES. LIGHT FIXTURE SUBMITTALS SHALL BE BASED ON THIS LEVEL OF COORDINATION OCCURRING PRIOR TO SUBMITTALS BEING GENERATED BY THE CONTRACTOR.
7. ALL CIRCUITS SHOWN SHALL BE 277V, 20A CIRCUITS UNLESS NOTED OTHERWISE.
8. ALL CONDUCTORS SHALL BE #12 AWG UNLESS NOTED OTHERWISE.
9. ALL 120V RUNS LONGER THAN 60' SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150' SHALL BE #10 AWG UNLESS NOTED OTHERWISE ON PLANS.
10. ALL CONDUCTORS SHALL BE COPPER (#10 AND SMALLER SHALL BE SOLID).
11. WHERE CONDUCTOR SIZES ARE NOTED ON DRAWINGS, THAT WIRE SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS NOTED OTHERWISE.
12. MOUNT LIGHT SWITCHES AS INDICATED ON ARCHITECTURAL DRAWINGS (48" AFF UNLESS NOTED OTHERWISE).
13. ALL GANGED SWITCHES SHALL HAVE A COMMON SEAMLESS FACEPLATE. EACH MULTI-GANG BOX SHALL BE NO MORE THAN SIX (6) SWITCHES WIDE. WHERE MORE THAN SIX (6) SWITCHES ARE SHOWN AT ONE (1) LOCATION, ADDITIONAL MULTI-GANG BOXES SHALL BE STACKED VERTICALLY AND THE WIDTH OF THE MULTI-GANGS SHALL BE AS EVEN AS POSSIBLE.
14. EMERGENCY LIGHTING FIXTURES WITH BATTERY PACKS DESIGNED TO BE SWITCHED SHALL BE CONNECTED TO AREA LIGHTING HOT LEG AND SWITCH LEG TO ALLOW LAMPS TO BE CONTROLLED FROM LOCAL WALL SWITCH AND ILLUMINATE UPON POWER FAILURE.
15. COORDINATE LOCATIONS OF LIGHTING FIXTURES IN MECHANICAL ROOMS TO AVOID CONFLICTS WITH DUCTWORK, PIPING, ETC.
16. CONTRACTOR SHALL PROVIDE ALL REQUIRED SWITCH PACKS, MOTION SENSORS AND ASSOCIATED WIRING TO CONTROL EACH ROOM AS SHOWN. SWITCH PACKS SHALL BE LOCATED ABOVE THE CEILING.
17. FIXTURES DESIGNATED "NL" SHALL REMAIN ON AT ALL TIMES FOR NIGHT LIGHTING.
18. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL NOTES, SYMBOLS AND DETAILS.

LIGHTING LEGEND	
	CEILING MOUNTED EXIT LIGHT ASSEMBLY (SINGLE OR DOUBLE FACE)
	WALL MOUNTED EXIT LIGHT ASSEMBLY (SINGLE OR DOUBLE FACE)
	CEILING MOUNTED LIGHT FIXTURE (HATCHING INDICATES EMERGENCY FIXTURE)
	WALL MOUNTED LIGHT FIXTURE (HATCHING INDICATES EMERGENCY FIXTURE)
	PENDANT/SUSPENDED LIGHT FIXTURE (HATCHING INDICATES EMERGENCY FIXTURE)
	CEILING MOUNTED RECTANGULAR LIGHT FIXTURE (HATCHING INDICATES EMERGENCY FIXTURE)
	WALL MOUNTED RECTANGULAR LIGHT FIXTURE (HATCHING INDICATES EMERGENCY FIXTURE)
	PENDANT/SUSPENDED RECTANGULAR LIGHT FIXTURE (HATCHING INDICATES EMERGENCY FIXTURE)
	POLE MOUNTED OUTDOOR AREA LIGHT FIXTURE (SINGLE OR MULTIPLE HEADS PER POLE)
	TRACK LIGHT FIXTURE (LENGTH OF TRACK AS INDICATED ON DRAWINGS, NUMBER OF HEADS AS SPECIFIED)
	POLE SWITCH - SINGLE / THREE WAY / FOUR WAY
	DIMMER SWITCH
	KEYED SWITCH
	MANUAL MOTOR STARTER
	TIMER SWITCH
	SWITCH WITH PILOT LIGHT
	LOW VOLTAGE SCENE SWITCH
	SWITCH WITH SWITCH LEG DESIGNATION
	SWITCH WITH OCCUPANCY SENSOR
	MOTION OCCUPANCY/VACANCY SENSOR - WALL / CEILING MOUNTED
	PHOTOCELL
	LOW-VOLTAGE LIGHTING CONTROL STATION
	ROOM CONTROLLER
	UL 924 DEVICE

NOT ALL SYMBOLS USED

RISER DIAGRAM LEGEND	
	TRANSFORMER
	METER
	GROUND CONNECTION
	CIRCUIT BREAKER
	DRAW-OUT CIRCUIT BREAKER
	FUSED SWITCH
	NON-FUSED DISCONNECT
	AUTOMATIC TRANSFER SWITCH
	GENERATOR
	HEATER CONNECTION

NOT ALL SYMBOLS USED

SPECIAL SYSTEMS LEGEND	
	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM AUDIO/VISUAL DEVICE - WALL / CEILING MOUNTED
	FIRE ALARM STROBE ASSEMBLY - WALL / CEILING MOUNTED
	SMOKE DETECTOR - WALL / CEILING MOUNTED
	DUCT MOUNTED SMOKE DETECTOR
	HEAT DETECTOR - WALL / CEILING MOUNTED
	FIRE ALARM SPRINKLER SYSTEM WATER FLOW SENSOR
	FIRE ALARM SPRINKLER SYSTEM VALVE TAMPER SENSOR
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	EMERGENCY GENERATOR ANNUNCIATOR PANEL
	WALL MOUNTED TELEPHONE OUTLET
	DATA OUTLET - WALL / FLUSH FLOOR / CEILING MOUNTED
	WALL MOUNTED DATA/TELEPHONE OUTLET
	CEILING MOUNTED WIRELESS ACCESS POINT
	WALL MOUNTED SYSTEM CLOCK - SINGLE / DOUBLE FACE
	SPEAKER ASSEMBLY - WALL / CEILING MOUNTED
	MICROPHONE OUTLET - WALL / CEILING MOUNTED
	AV BOX - WALL / CEILING MOUNTED
	VOLUME CONTROL
	SECURITY SYSTEM KEYPAD
	SECURITY SYSTEM MOTION SENSOR - WALL / CEILING MOUNTED
	SECURITY SYSTEM DOOR MAGNETIC LOCK
	SECURITY SYSTEM CAMERA
	SECURITY SYSTEM CARD READER
	INTERCOM
	GLASS BREAK DETECTOR
	SECURITY SYSTEM JUNCTION BOX
	SECURITY SYSTEM DOOR CONTACT
	DOORBELL/PUSHBUTTON
	BELL

NOT ALL SYMBOLS USED

POWER LEGEND	
	RACEWAY IN WALL OR ABOVE CEILING
	RACEWAY IN OR BELOW FLOOR
	HOMERUN - LETTER(S) DENOTES PANEL NAME NUMBER DENOTES CIRCUIT NUMBER
	DENOTES DEVICE MOUNTED ABOVE COUNTER
	DENOTES WEATHERPROOF DEVICE
	DENOTES GROUND FAULT INTERRUPTING DEVICE
	DUPLEX RECEPTACLE - WALL / FLOOR / CEILING MOUNTED
	QUADRAPLEX RECEPTACLE - WALL / FLOOR / CEILING MOUNTED
	ISOLATED GROUND DUPLEX RECEPTACLE
	ISOLATED GROUND QUADRUPLEX RECEPTACLE
	PLUG LOAD CONTROLLED DUPLEX - HALF CONTROLLED / FULLY CONTROLLED
	PLUG LOAD CONTROLLED QUADRAPLEX - HALF CONTROLLED / FULLY CONTROLLED
	SIMPLEX RECEPTACLE
	SINGLE PHASE 3 WIRE GROUNDED RECEPTACLE (NUMBER INDICATES AMPERAGE RATING)
	SPECIAL RECEPTACLE (NUMBER DENOTES AMPERAGE RATING)
	USB RECEPTACLE
	USB COMBO RECEPTACLE - DUPLEX / QUADRUPLEX
	ISOLATED GROUND USB COMBO RECEPTACLE - DUPLEX / QUADRUPLEX
	PLUG LOAD CONTROLLED USB COMBO - HALF CONTROLLED / FULLY CONTROLLED
	POKE-THRU DEVICE
	JUNCTION BOX - WALL / FLOOR / CEILING MOUNTED
	POWER/DATA SURFACE RACEWAY
	POWER/DATA POWER POLE
	CONTROL DEVICE
	PLUG LOAD CONTROL DEVICE
	SCOREBOARD FLUSH FLOOR BOX
	MOTOR CONNECTION
	MOTOR STARTER
	DISCONNECT SWITCH
	DISCONNECT SWITCH - FUSED
	VARIABLE FREQUENCY DRIVE (VFD)
	480V PANELBOARD
	208V PANELBOARD
	DISTRIBUTION PANELBOARD
	DRY-TYPE TRANSFORMER

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PROJECT PHASE
CONSTRUCTION DOCUMENTS

SHEET CONTENTS
ELECTRICAL GENERAL
NOTES & LEGEND

SHEET NO.

E000

1. REFER TO GENERAL DEMOLITION NOTES ON SHEET E000.

1. REFER TO GENERAL DEMOLITION NOTES ON SHEET E000.

- ① DISCONNECT AND REMOVE POWER FOR BOOSTER HEATER ALONG WITH ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE.
- ② DISCONNECT AND REMOVE POWER FOR EXISTING DISHWASHER ALONG WITH ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE.
- ③ DISCONNECT AND REMOVE POWER FOR EXISTING DISPOSER ALONG WITH ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE.
- ④ DISCONNECT AND REMOVE POWER FOR EXISTING SINK HEATER ALONG WITH ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE.
- ⑤ DISCONNECT AND REMOVE POWER FOR EXISTING PASS THRU HEATED CABINET ALONG WITH ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE.
- ⑥ DISCONNECT AND REMOVE POWER FOR EXISTING PASS THRU REFRIGERATED CABINET ALONG WITH ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE.
- ⑦ DISCONNECT AND REMOVE POWER FOR EXISTING BRAISING PAN ALONG WITH ASSOCIATED WIRE BACK TO SOURCE.

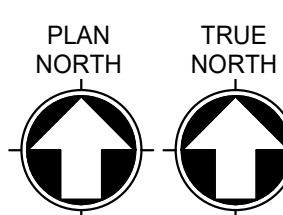
8. DISCONNECT AND REMOVE POWER FOR EXISTING COMBI DOUBLE OVEN ALONG WITH ASSOCIATED WIRE BACK TO SOURCE.
9. DISCONNECT AND REMOVE POWER FOR EXISTING CONVECTION OVEN ALONG WITH ASSOCIATED WIRE BACK TO SOURCE.
10. DISCONNECT AND REMOVE POWER FOR EXISTING CONVECTION STEAMER ALONG WITH ASSOCIATED WIRE BACK TO SOURCE.
11. DISCONNECT AND REMOVE POWER FOR EXISTING SERVING LINE ALONG WITH ASSOCIATED WIRE BACK TO SOURCE.
12. TEMPORARILY SUPPORT ALL CEILING MOUNTED FIRE ALARM DEVICES AND OTHER LOW VOLTAGE DEVICES DURING THE REPLACEMENT OF EXISTING SELECT, REPAIR OR REPLACE ALL DEVICES, RISERS AND DAMAGE DURING RENOVATION. REINSTALL ON NEW CEILING.

1. REFER TO GENERAL POWER NOTES ON SHEET E000

1. REFER TO GENERAL POWER NOTES ON SHEET E000

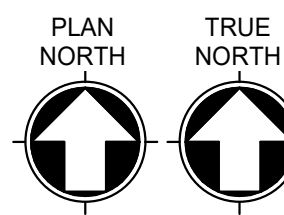
○

- ① PROVIDE NEW STAINLESS STEEL DISCONNECT SWITCHES.
- ② REUSE EXISTING FLOOR STUB-UP CONDUIT FOR NEW KITCHEN EQUIPMENT.
- ③ TEMPORARILY SUPPORT ALL CEILING MOUNTED FIRE ALARM DEVICES AND OTHER LOW VOLTAGE DEVICES DURING THE REMOVAL AND REPLACEMENT OF EXISTING CEILING. PROTECT DEVICES FROM DEBRIS AND DAMAGE DURING RENOVATION. REINSTALL ON NEW CEILING.
- ④ POWER FOR NEW 50A/3P MAIN CIRCUIT BREAKER LOAD CENTER FOR NEW SERVING LINE POWER. SERVING LINE LOAD CENTER SHALL BE SUPPLIED WITH SERVING LINE EQUIPMENT. COORDINATE EXACT LOCATION OF SERVING LINE LOAD CENTER WITH KITCHEN EQUIPMENT SUPPLIER.
- ⑤ SAW CUT EXISTING CONCRETE SLAB FOR NEW SERVING LINE POWER. CONTRACTOR SHALL XRAY CONCRETE SLAB AND COORDINATE WITH EXISTING UTILITIES.



2 DEMOLITION FLOOR PLAN - LEVEL 1 - OVERALL - ELECTRICAL

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



1 FLOOR PLAN - LEVEL 1 - OVERALL - ELECTRICAL

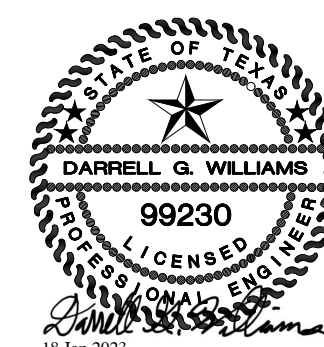
SCALE: 1/4" = 1'-0"



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SHEET CONTENTS

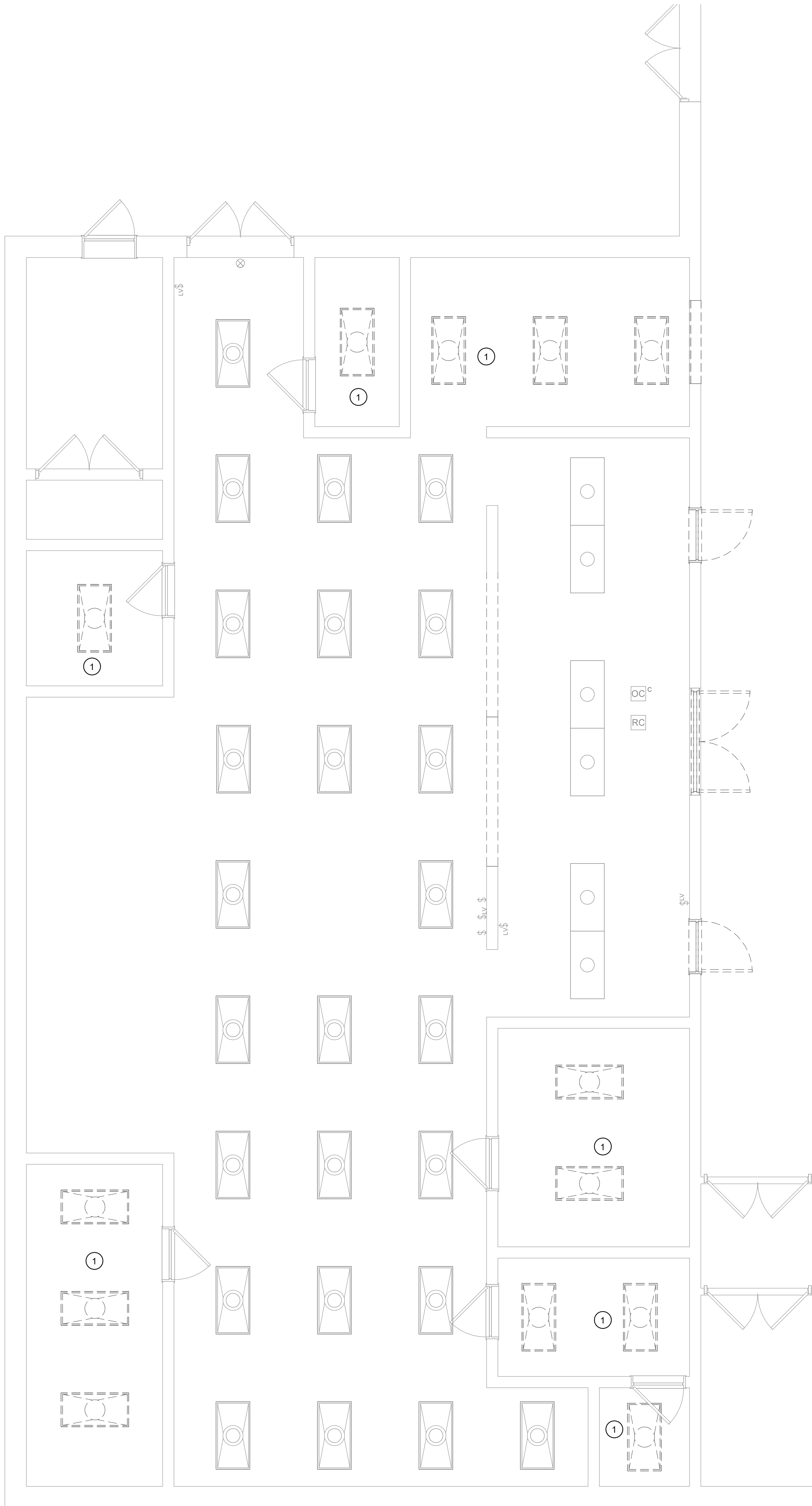
FLOOR PLAN - LEVEL 1 -

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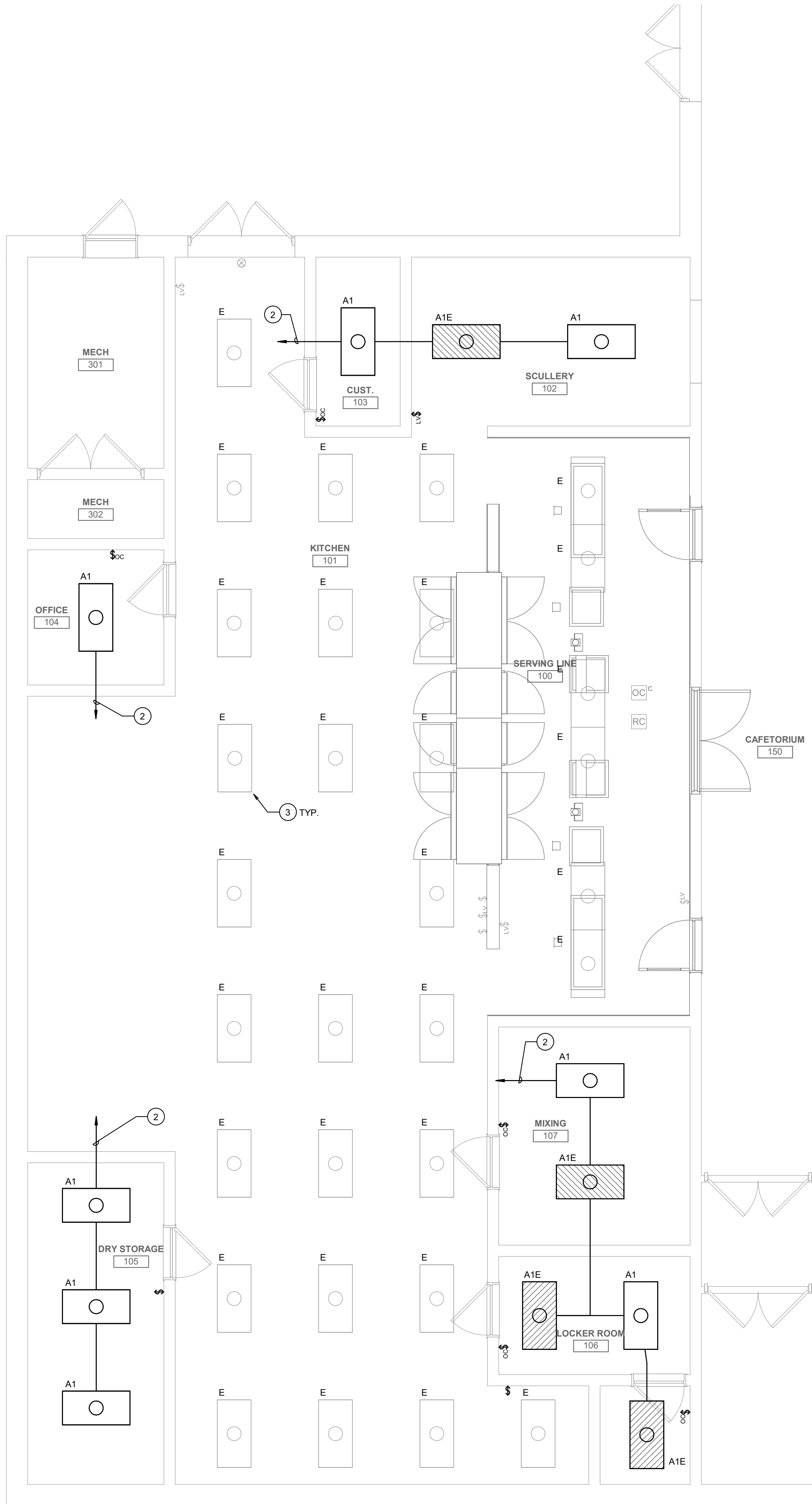
SHEET NO. _____

14

E100



PLAN NORTH TRUE NORTH
1 DEMOLITION FLOOR PLAN - LEVEL 1 - OVERALL - LIGHTING
SCALE: 1/4" = 1'-0"



PLAN NORTH TRUE NORTH
2 FLOOR PLAN - LEVEL 1 - OVERALL - LIGHTING
SCALE: 1/4" = 1'-0"

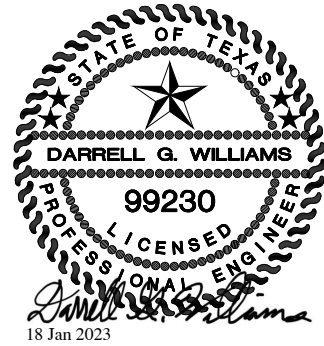
NOTES BY SYMBOL 'O':

- EXISTING LIGHTING FIXTURES, OCCUPANCY SENSORS, AND LIGHT SWITCHES IN THIS AREA SHALL BE DISCONNECTED AND REMOVED. DISCONNECT AFFECTED LIGHTING FIXTURES AND DEVICES FROM EXISTING BRANCH CIRCUITRY. REMOVE ALL CONDUIT AND WIRING BETWEEN DEMOLISHED FIXTURES. EXISTING LIGHTING BRANCH CIRCUIT HOMERUN WIRING IN THIS ROOM SHALL REMAIN FOR RE-USE AND CONNECTION TO NEW LIGHTING FIXTURES.
- CONNECT NEW LIGHTING FIXTURES INDICATED FOR THIS ROOM TO THE EXISTING 120V LIGHTING BRANCH CIRCUIT SERVING THIS AREA, MADE AVAILABLE BY DEMOLITION OF EXISTING LIGHTING FIXTURES. WITH 2#12, 1#12G, 3/4", MINIMUM. FIELD VERIFY CIRCUIT AVAILABILITY PRIOR TO WORK AND UPDATE EXISTING PANEL SCHEDULE(S) AS REQUIRED PER CODE.
- EXISTING 2X4 LED LIGHT FIXTURE TO REMAIN.

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SHEET CONTENTS
FLOOR PLAN - LEVEL 1 - LIGHTING

SHEET NO.

E200



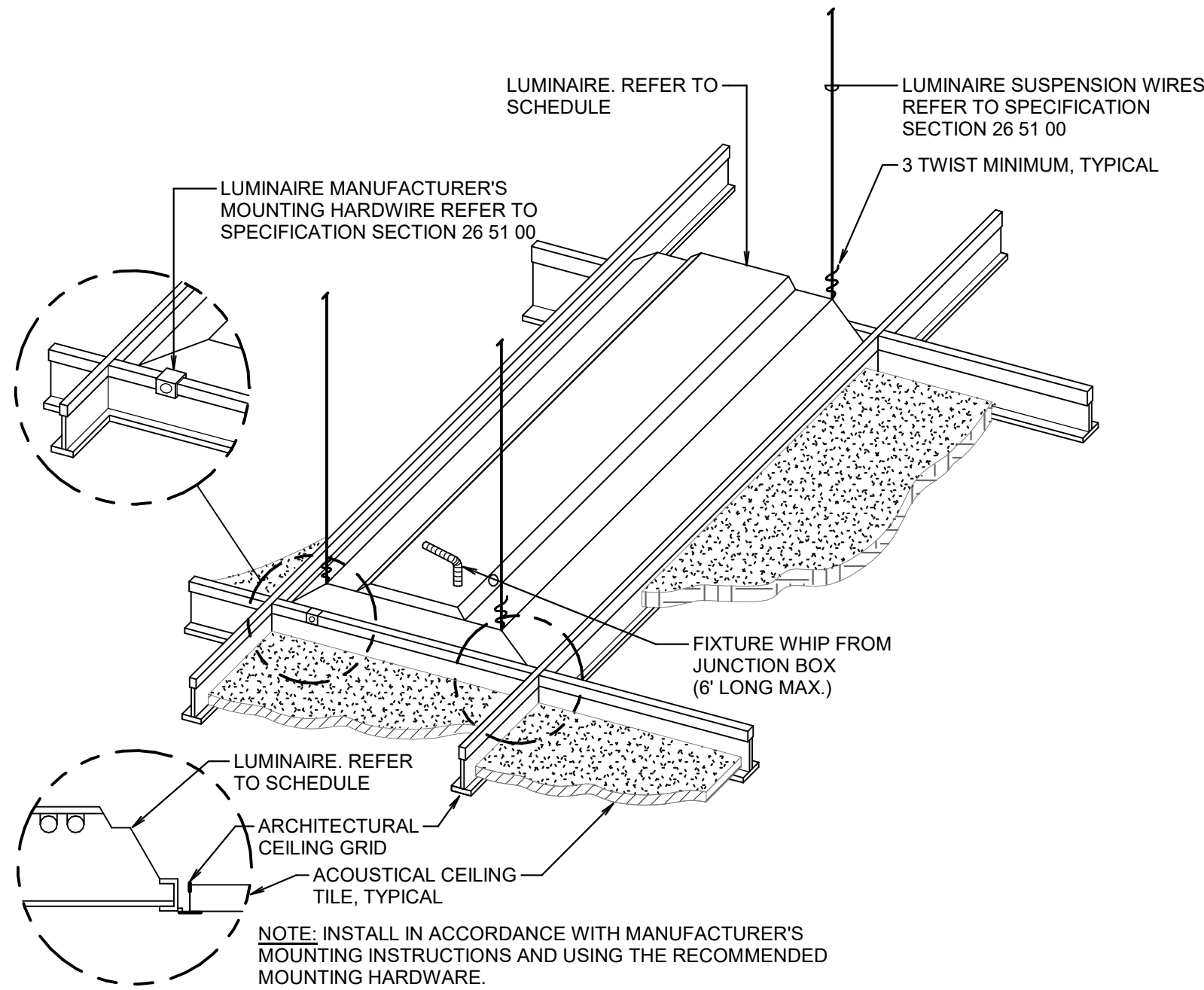
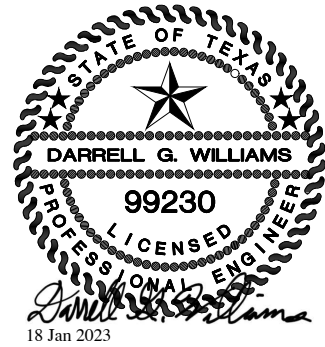
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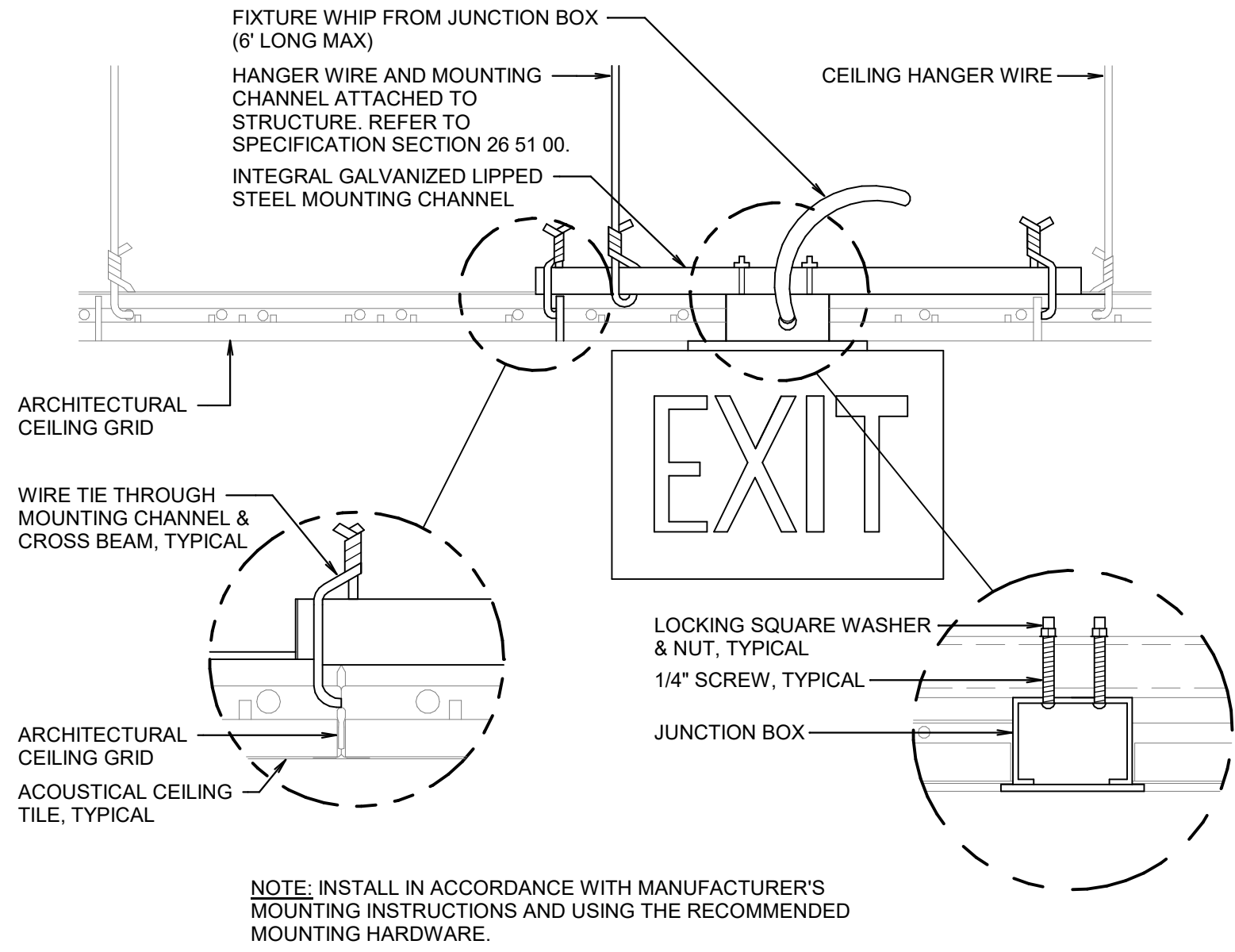
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1 LAY-IN CEILING LUMINAIRE MOUNTING DETAIL
NO SCALE



2 LAY-IN CEILING EXIT SIGN MOUNTING DETAIL
NO SCALE

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SHEET CONTENTS
ELECTRICAL DETAILS

SHEET NO.

E600



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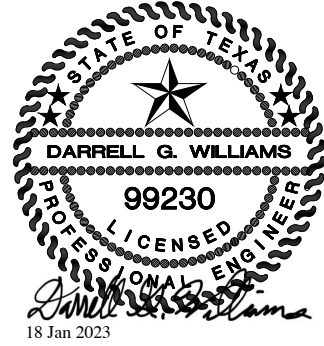
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KITCHEN EQUIPMENT REPLACEMENT
1050 PARK PLACE BLVD.
MIDLOTHIAN, TX 76065

T E BAXTER ELEMENTARY SCHOOL

CLIENT CONTACT
Midlothian ISD
100 Walter Stephenson Rd.
Midlothian, TX 76065

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OWP PROJECT NO. DATE OF ISSUE
2022-110-00 01.18.2023

REVISIONS
DELTA DESCRIPTION DATE

PROJECT TEAM DRAWN BY
ED TEXAS RWB

PROJECT PHASE
CONSTRUCTION DOCUMENTS

SHEET CONTENTS
LIGHT FIXTURE &
PANEL SCHEDULES

SHEET NO.

E700

PANEL: K (EXISTING)

Location: MECH 301
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Sections: 2

A.I.C. Rating: 10,000 A.I.C.
Mains Type: MLO
Mains Rating: 600.0 A

CKT	REM	Load Name	BKR	Poles	Wire Size	A	B	C	Wire Size	Poles	BKR	Load Name	REM	CKT	
1	--	EXISTING LOAD	100	2	--	0	840				1	20 NEW PASS THRU...	--	2	
3	--	SPACE	--	1	--			0 1643			2	25 NEW DOUBLE ROLL THRU HEATED...	--	4	
5	--	SPACE	--	1	--	0	0		--	1643			--	6	
7	--	EXISTING LOAD	15	3	--	0	0	0 0					--	8	
9	--	EXISTING LOAD	15	3	--	0	0	0 0			3	40 EXISTING LOAD	--	10	
11	--	EXISTING LOAD	15	3	--	0	0	0 0			--	1	20 EXISTING LOAD	--	12
13	--	EXISTING LOAD	15	3	--			0 0			--	2	60 EXISTING LOAD	--	14
15	--	EXISTING LOAD	15	3	--			0 0			--	2	60 EXISTING LOAD	--	16
17	--	EXISTING LOAD	15	3	--			0 0					--	18	
19	2	Power to (2) New Kitchen Serving Lines	100	3	4#2, 1#8G-1 1/4"C.	4080	2667	4080 2667			3#8, 1#10G-EXISTING CONDUIT	3	40 CONVECTION STEAMER	2,5	22
21	--	EXISTING LOAD	40	3	--	0	0	0 0	4080 2667				--	24	
23	--	EXISTING LOAD	40	3	--			0 0			--	1	20 EXISTING LOAD	--	26
25	--	EXISTING LOAD	40	3	--			0 0			--	1	20 EXISTING LOAD	--	28
27	--	EXISTING LOAD	20	1	--	0	0	0 0			--	1	20 EXISTING LOAD	--	30
31	--	EXISTING LOAD	20	1	--	0	0	0 0			--	3	20 EXISTING LOAD	--	34
33	--	EXISTING LOAD	20	1	--	0	0	0 0					--	36	
35	--	EXISTING LOAD	20	1	--	0	0	0 0					--	38	
37	2	NEW DISHWASHER	60	3	REUSE EXISTING	5000	0				--	3	15 EXISTING LOAD	--	40
39	--	EXISTING LOAD	60	3	REUSE EXISTING	5000	0	5000 0			--	3	15 EXISTING LOAD	--	42
41	--	EXISTING LOAD	60	3	REUSE EXISTING	5000	0	5000 0			--	3	15 EXISTING LOAD	--	44
43	2	NEW 30KW BOOSTER HEATER	90	3	3#3, 1#8G-1 1/4"C.	10064	--	10064 0			--	1	-- SPACE	--	46
45	--	EXISTING LOAD	50	2	--	0	0	0 0	10064 0		--	2	80 EXISTING LOAD	--	48
47	--	EXISTING LOAD	50	2	--	0	0	0 0			--	1	20 EXISTING LOAD	--	50
49	--	EXISTING LOAD	20	1	--	0	0	0 0			--	1	20 EXISTING LOAD	--	52
51	--	EXISTING LOAD	20	1	--	0	0	0 0			--	1	20 EXISTING LOAD	--	54
53	--	EXISTING LOAD	20	1	--	0	0	0 0			--	1	20 EXISTING LOAD	--	56
55	--	EXISTING LOAD	20	1	--	0	0	0 0			--	1	20 EXISTING LOAD	--	58
57	--	EXISTING LOAD	20	1	--	0	0	0 0			--	1	20 EXISTING LOAD	--	60
59	--	EXISTING LOAD	20	1	--	0	0	0 0			--	1	20 EXISTING LOAD	--	62
61	--	EXISTING LOAD	20	1	--	0	0	0 0			--	1	20 EXISTING LOAD	--	64
63	--	EXISTING LOAD	20	1	--	0	0	0 0			--	1	20 EXISTING LOAD	--	66
65	--	EXISTING LOAD	20	1	--	0	0	0 0			--	1	40 EXISTING LOAD	--	68
67	--	EXISTING LOAD	20	1	--	0	0	0 0			--	1	20 EXISTING LOAD	--	70
69	--	NEW PASS THRU	20	1	--	0	840	0 0			--	1	20 EXISTING LOAD	--	72
71	--	EXISTING LOAD	20	1	--	0	0	0 0			--	1	20 EXISTING LOAD	--	74
73	--	EXISTING LOAD	20	1	--	0	0	0 0			--	1	20 EXISTING LOAD	--	76
75	--	EXISTING LOAD	40	1	--	0	0	0 0			--	1	20 EXISTING LOAD	--	78
77	--	EXISTING LOAD	20	1	--	0	0	0 0			--	1	20 EXISTING LOAD	--	80
79	--	EXISTING LOAD	50	2	--	0	0	0 0			--	1	20 EXISTING LOAD	--	82
81	2	NEW DOUBLE ROLL THRU HEATED...	25	2	2#10, 1#1-G-3/4"C.	1643	0	1643 0			--	2	20 EXISTING LOAD	--	84
83	--	EXISTING LOAD	30	3	--			0 0			--	3	60 EXISTING LOAD	--	86
85	--	EXISTING LOAD	30	3	--			0 0			--	3	60 EXISTING LOAD	--	88
87	--	EXISTING LOAD	30	3	--			0 0			--	3	60 EXISTING LOAD	--	90
91	--	EXISTING LOAD	30	3	--	0	0	0 0					--	92	
Total Load:						24,293 VA		24,293 VA	25,096 VA						
Total Amps:						202.4 A		202.4 A	209.1 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Kitchen Equipment	72,843 VA	65.00%	47,346 VA	Total Conn. Load: 73,883 VA
Receptacle	840 VA	100.00%	840 VA	Total Est. Demand: 48,188 VA
				Total Conn. Current: 204.5 A
				Total Est. Demand Current: 133.8 A

General Notes:

- A. PROVIDE FEED-THROUGH LUGS FOR FUTURE EXPANSION.
B. PROVIDE FULL SIZED PHASE, NEUTRAL AND GROUND BUSES.
C. THE CONTRACTOR SHALL UPDATE ROOM NAMES AND ROOM NUMBERS ON FINAL PANEL SCHEDULE TO REFLECT FINAL BUILDING CONDITIONS.

Remarks:

1. PROVIDE GFCI CIRCUIT BREAKER.
2. PROVIDE CIRCUIT BREAKER AND / OR FUSES PER EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
3. BRANCH CIRCUIT SHALL BE 2 #12 & #12 GROUND IN 3/4" CONDUIT.
4. BRANCH CIRCUIT ROUTED THROUGH AND CONTROLLED BY SECONDARY CONTACTOR.
5. PROVIDE WITH SHUNT TRIP BREAKER.
6. PROVIDE CIRCUIT BREAKER CAPABLE OF BEING LOCKED IN THE OFF POSITION.

PANEL: P4 (EXISTING)

Location: MECH 301
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4
Sections: 1

A.I.C. Rating: 14,000 A.I.C.
Mains Type: MCB
Mains Rating: 400.0 A

CKT	REM	Load Name	BKR	Poles	Wire Size	A			B			C			Wire Size	Poles	BKR	Load Name	REM	CKT	
1	--	EXISTING LOAD	20	3	--		0	0		0	0			--	3	20	EXISTING LOAD	--	2		
3	--	EXISTING LOAD	20	3	--					0	0		0	0	--	3	20	EXISTING LOAD	--	4	
5	--	EXISTING LOAD	20	3	--		0	0					0	0	--	3	20	EXISTING LOAD	--	6	
7	--	EXISTING LOAD	20	3	--					0	0				--	3	20	EXISTING LOAD	--	8	
9	--	EXISTING LOAD	20	3	--		0	0							--	3	20	EXISTING LOAD	--	10	
11	--	EXISTING LOAD	20	3	--					0	0				--	3	20	EXISTING LOAD	--	12	
13	--	EXISTING LOAD	30	3	--		0	0							--	3	30	EXISTING LOAD	--	14	
15	--	EXISTING LOAD	30	3	--					0	0		0	0	--	3	30	EXISTING LOAD	--	16	
17	--	EXISTING LOAD	30	3	--								0	0	--	3	30	EXISTING LOAD	--	18	
19	2,5	NEW COMBI OVEN	50	3	3#6, 1#10G-1"C	10388	8333			10388	8333					3#6, 1#10G-3/4"C	3	40	NEW DOUBLE CONV OVEN	2,5	20
21	--	SPACE	--	1	--		--	--	--		--	--		--	--	1	--	SPACE	--	22	
23	--	SPACE	--	1	--		--	--	--		--	--		--	--	1	--	SPACE	--	24	
25	--	SPACE	--	1	--		--	--	--		--	--		--	--	1	--	SPACE	--	26	
27	--	SPACE	--	1	--		--	--	--		--	--		--	--	1	--	SPACE	--	28	
Total Load:						18,721 VA		18,721 VA		18,721 VA											
Total Amps:						67.6 A		67.6 A		67.6 A											

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Kitchen Equipment	56,163 VA	100.00%	56,163 VA	Total Conn. Load: 56,163 VA
				Total Est. Demand: 56,163 VA
				Total Conn. Current: 67.6 A
				Total Est. Demand Current: 67.6 A

General Notes:

- A. PROVIDE FEED-THROUGH LUGS FOR FUTURE EXPANSION.
B. PROVIDE FULL SIZED PHASE, NEUTRAL AND GROUND BUSES.
C. THE CONTRACTOR SHALL UPDATE ROOM NAMES AND ROOM NUMBERS ON FINAL PANEL SCHEDULE TO REFLECT FINAL BUILDING CONDITIONS.

Remarks:

1. PROVIDE GFCI CIRCUIT BREAKER.
2. PROVIDE CIRCUIT BREAKER AND / OR FUSES PER EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
3. BRANCH CIRCUIT SHALL BE 2 #12 & #12 GROUND IN 3/4" CONDUIT.
4. BRANCH CIRCUIT ROUTED THROUGH AND CONTROLLED BY SECONDARY CONTACTOR.
5. PROVIDE WITH SHUNT TRIP BREAKER.
6. PROVIDE CIRCUIT BREAKER CAPABLE OF BEING LOCKED IN THE OFF POSITION.

PANEL: H4 (EXISTING)

Location: MECH 301
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4
Sections: 1

A.I.C. Rating: 14,000 A.I.C.
Mains Type: MLO
Mains Rating: 100.0 A

CKT	REM	Load Name	BKR	Poles	Wire Size	A			B			C			Wire Size	Poles	BKR	Load Name	REM	CKT
1	--	SPACE	--	3	--	--	0	--	--	0	--	--	0	--	3	70	EXISTING LOAD	--	2	
3	--	SPACE	--	3	--	--	0	--	--	0	--	--	0	--	3	70	EXISTING LOAD	--	4	
5	--	SPACE	--	3	--	--	0	--	--	0	--	--	0	--	3	70	EXISTING LOAD	--	6	
7	--	EXISTING LOAD	40	3	--	0	0	--	0	0	--	0	0	--	1	20	EXISTING LOAD	--	8	
9	--	EXISTING LOAD	40	3	--	0	0	--	0	0	--	0	0	--	1	20	EXISTING LOAD	--	10	
11	--	EXISTING LOAD	20	1	--	0	0	--	0	0	--	0	0	--	1	20	EXISTING LOAD	--	12	
13	--	EXISTING LOAD	20	1	--	0	0	--	0	0	--	0	0	--	1	20	EXISTING LOAD	--	14	
15	--	EXISTING LOAD	20	1	--	0	0	--	0	0	--	0	0	--	1	20	EXISTING LOAD	--	16	
17	--	EXISTING LOAD	20	1	--	0	0	--	0	0	--	0	0	--	1	20	EXISTING LOAD	--	18	
19	--	EXISTING LOAD	20	1	--	0	0	--	0	0	--	0	0	--	1	20	EXISTING LOAD	--	20	
21	--	EXISTING LOAD	20	1	--	0	0	--	0	0	--	0	0	--	1	20	EXISTING LOAD	--	22	
23	--	EXISTING LOAD	20	1	--	0	0	--	0	0	--	0	0	--	1	20	EXISTING LOAD	--	24	
Total Load:						0 VA			0 VA			0 VA								
Total Amps:						0.0 A			0.0 A			0.0 A								

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 VA
				Total Est. Demand: 0 VA
				Total Conn. Current: 0.0 A
				Total Est. Demand Current: 0.0 A

General Notes:

- A. PROVIDE FEED-THROUGH LUGS FOR FUTURE EXPANSION.
B. PROVIDE FULL SIZED PHASE, NEUTRAL AND GROUND BUSES.
C. THE CONTRACTOR SHALL UPDATE ROOM NAMES AND ROOM NUMBERS ON FINAL PANEL SCHEDULE TO REFLECT FINAL BUILDING CONDITIONS.

Remarks:

1. PROVIDE GFCI CIRCUIT BREAKER.
2. PROVIDE CIRCUIT BREAKER AND / OR FUSES PER EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
3. BRANCH CIRCUIT SHALL BE 2 #12 & #12 GROUND IN 3/4" CONDUIT.
4. BRANCH CIRCUIT ROUTED THROUGH AND CONTROLLED BY SECONDARY CONTACTOR.
5. BRANCH CIRCUIT ROUTED THROUGH AND CONTROLLED BY UTILITY LAB CONTROLLER.
6. PROVIDE CIRCUIT BREAKER CAPABLE OF BEING LOCKED IN THE OFF POSITION.

PANEL: H4L (EXISTING)

Location: MECH 301
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4
Sections: 1

A.I.C. Rating: 14,000 A.I.C.
Mains Type: MLO
Mains Rating: 100.0 A

CKT	REM	Load Name
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