

INVITATION TO BID

SUBMIT BID TO: Grambling State University
Purchasing Department
purchasingbids@gram.edu

To maintain the integrity of the bid process, please **do not cc** any other University email address when submitting your bid.

Bid Number: 50018-250020 **DATE:** FEBRUARY 3, 2025
TITLE: INSTALLATION OF SECURITY DOORS AND LOCKS AT
8 RESIDENTS HALLS

Purchasing Department Contacts:
Erin Walker (318-274-3280)
walkere@gram.edu and Woody
Whittington woodywhitt@aol.com

BID SCHEDULE: FEBRUARY 25, 2025

DUE DATE/TIME (email only): FEBRUARY 25, 2025 BY 2:00 PM CST

BID OPENING (Zoom): FEBRUARY 25, 2025 AT 2:05 PM CST

MEETING ID: 885 4601 4565 **PASSWORD:** 059170

General Instructions to Bidders

1. Grambling State University reserves the right to award items separately, grouped or on an all or none basis and to reject any or all bids and waive any informalities.
2. Hard copies of sealed bids will no longer be accepted. All bids must be received electronically by the due date and time to be considered.
3. Sealed bids for furnishing the items and/or services specified are hereby solicited, and will be received by the issuing Grambling State University Campus/Department at the "Submit Bid To" address stated above, until the specified due date and time. Bidder is solely responsible for the timely delivery of bid. The Purchasing Office is not responsible for any delays. It is the responsibility of the Supplier to ensure the bid is received by GSU Purchasing by the indicated due date and time. Any delays that may occur in transmission of the bid is the responsibility of the supplier. A bid will be considered late if it is not received at the "Submit Bid TO" email address by the indicated due date and time.
4. The maximum email attachment size accepted is 125 MB. It is the supplier's responsibility to ensure bid submission is sized such that it is successfully transmitted and received by GSU. If the bid response is too large to be emailed as one document, the bid must be sent as separate documents. Each submittal should be labeled. (Example – Bid Submittal 1 out of 3 for IFB-50018-25XXXX - Title; Bid Submittal 2 out of 3 for IFB-50018-25XXXX - Title, etc.). If any submittal is received late, GSU will not consider the late submittal(s). Only the submittal(s) received by the due date and time will be considered. Late bids will not be accepted per
5. Bid submissions must be signed by a person authorized to bind the vendor. In accordance with Louisiana R.S. 39:1594, the person signing the bid must be:
 - (1) any corporate officer listed on the most current annual report on file with the secretary of state, or the signature on the bid is that of any member of a partnership or partnership in commended listed in the most current partnership records on file with the secretary of state; or
 - (2) an authorized representative of the corporation, partnership, or other legal entity and the Bidder submits or provides upon request a corporate resolution, certification as to the corporate principal, or other documents indicating authority which are acceptable to the public entity, including registration on an electronic Internet database maintained by the public entity; or
 - (3) entity has filed in the appropriate records of the secretary of state in which the public entity is located, an affidavit, resolution, or other acknowledged or authentic document indicating the names of all parties authorized to submit bids for public contracts.
6. When bid is submitted by email, **the subject line must show the Solicitation/File No.** and submission must be received by bid deadline.

7. Read the entire solicitation, including all terms, conditions and specifications within this packet.
8. All bid information and prices must be typed or written in ink. Any corrections, erasures or other forms of alteration to unit prices are to be initialed by the Bidder.
9. Bid prices shall include all delivery charges paid by the vendor, F.O.B. Grambling State University Destination, unless otherwise provided in the solicitation. Any invoiced delivery charges not quoted and itemized on the Grambling State University purchase order are subject to rejection and non-payment.
10. Payment terms: Net 30 after receipt of properly executed invoice or delivery and acceptance, whichever is later.
11. By signing this solicitation, the Bidder certifies compliance with all general instructions to Bidders, terms, conditions and specifications; and further certifies that this bid is made without collusion or fraud. MANDATORY bid requirements are detailed immediately following the Standard Terms & Conditions section.
12. Quantities listed in these specifications are approximate and are not guaranteed by the University. The University reserves the right to **increase or reduce** quantity as needed if in the best interest of the University.
13. **Bid Bonds: Are required on ALL bids and/or Public Works Project over \$25,000**, a bid bond must be submitted for each separate bid response. The bid bond shall be in an amount equal to 5% of the bid price submitted and alternates, if any. The bid security shall be in a form of a bid bond or certified check, or cashier's check.
*****FOR THIS BID SOLICITATION: To provide the most comprehensive coverage for this renovation project, bidders are required to submit a bid bond during the bidding phase and transition to a performance bond once the contractor is selected. This approach ensures both the integrity of the bidding process and the successful completion of the project.**
14. The Contractor is required to record the Contract with the Clerk of Court in Lincoln Parish and must provide the Purchasing Department with proof of filing. Additionally, **a Performance Bond will be required at the time of the award of the contract.**

(PLEASE NOTE THAT A BID BOND MUST BE SIGNED BY THE AGENT OR ATTORNEY-IN-FACT OF THE SURETY.)

(*) The surety or insurance company furnishing the bid bond shall be currently on the U.S. Department of the Treasury Financial Management Service list of approved bonding companies or by an insurance company that is either domiciled in Louisiana or owned by Louisiana residents and is licensed to write surety bonds.

**GRAMBLING STATE UNIVERSITY
INSTALLATION OF SECURITY DOORS AND LOCKS AT EIGHT DORMITORIES**

NOTE: Digital Drawing, Project Manual (Specifications) and bidding documents may be obtained from:
WHITTINGTON ARCHITECTS INC.,
P.O. BOX 1701, RUSTON, LOUISIANA 71273-1701
318-255-2271, woodywhitt@aol.com



STANDARD TERMS & CONDITIONS INVITATION TO BID

These standard terms and conditions shall apply to all Grambling State University solicitations, unless otherwise specifically amended and provided for in the special terms and conditions, specifications, or other solicitation documents. In the event of conflict between the General Instructions to Bidders or Standard Terms & Conditions and the Special Terms & Conditions, the Special Terms & Conditions shall govern.

Bids submitted are subject to provisions of the laws of the State of Louisiana, including but not limited to: the Louisiana Procurement Code (R.S. 39:1551-1736); Purchasing Rules and Regulations (Title 34 of the Louisiana Administrative Code); Executive Orders; and the terms, conditions, and specifications stated in this solicitation.

1. **Bid Delivery and Receipt:** To be considered, Bidders may submit bids electronically to purchasingbids@gram.edu When bid is submitted by email, **the subject line must show the Solicitation/File No.** and must be received by bid deadline.

Bidders are advised that the U.S. Postal Service does not make deliveries to the Purchasing Office. Bids will no longer be accepted by mail or in person. Bidder is solely responsible for the timely delivery of its bid, and failure to meet the bid due date and time shall result in rejection of the bid.

2. **Bid Forms:** Bids are to be submitted on and in accordance with the Grambling State University solicitation forms provided, and must be signed by an authorized agent of the vendor. Bids submitted on other forms or in other price formats may be considered informal and may be rejected in part or in its entirety. Bids submitted in pencil and/or bids containing no original signature indicating the Bidder's intent to be bound will not be accepted.
3. **Interpretation of Solicitation/Bidder Inquiries:** If Bidder is in doubt as to the meaning of any part or requirement of this solicitation, Bidder may submit a written request for interpretation to the Grambling State University Purchasing at the email address on page 1 of this solicitation. Written inquiries must be received in the Grambling State University Purchasing Department no later than five (5) calendar days prior to the opening of bids, and shall be clearly cross-referenced to the relevant solicitation/specification in question.

No decisions or actions shall be executed by any Bidder as a result of oral discussions with any Grambling State University employee or consultant. Any interpretation of the documents will be made by formal addendum only, issued by the Grambling State University Purchasing Department. It is the responsibility of the bidder, prior to submitting their bid, to periodically visit the State of Louisiana Purchasing Department LaPAC website, or contact the Grambling State University Purchasing Department, to identify if any addendums were issued. Grambling State University shall not be responsible for any other interpretations or assumptions made by Bidder.

4. **Bid Opening:** In-person bid openings have been suspended for the foreseeable future. Bidders may attend the public bid opening of sealed bids and proposals conducted on Zoom. No information or opinions concerning the ultimate contract award will be given at bid opening or during the evaluation process. Written bid tabulations will not be furnished. Bids may be examined within 72 hours after bid opening. Information pertaining to completed files may be secured by submitting a written request to the Grambling State University Purchasing at the email address shown in header.
5. **Special Accommodations:** Any "qualified individual with a disability" as defined by the Americans with Disabilities Act, who has submitted a bid and desires to attend the public bid opening, must notify the Grambling State University Purchasing Department in writing not later than seven days prior to the bid opening date of their need for special accommodations. If the request cannot be reasonably provided, the individual will be informed prior to the bid opening.
6. **Standards of Quality:** Any product or service bid shall conform to all applicable federal, state and local laws and regulations, and the specifications contained in the solicitation. Any manufacturer's name, trade name, brand name, or catalog number used in the specification is for the purpose of describing the standard of quality, performance, and characteristics desired; and is not intended to limit or restrict competition. Bidder must specify the brand and model number of the product offered in his bid. Bids not specifying brand and model number shall be considered as offering the exact product specified in the solicitation.
7. **New Products/Warranty/Patents:** All products bid for purchase must be new, never previously used, of the manufacturer's current model and/or packaging, and of best quality as measured by acceptable trade standards. No remanufactured, demonstrator, used or irregular products will be considered for purchase unless otherwise specified.

The manufacturer's standard published warranty and provisions shall apply, unless more stringent warranties are otherwise required by Grambling State University and specified in the solicitation. In such cases, the Bidder and/or manufacturer shall honor the specified warranty requirements, and bid prices shall include any premium costs of such coverage.

Bidder guarantees that the products proposed and furnished will not infringe upon any valid patent or trademark; and shall, at its own expense, defend any and all actions or suits charging such infringement, and shall save Grambling State University harmless. Descriptive Information: Bidders proposing an equivalent brand or model should submit descriptive information (such as

literature, technical data, illustrations, etc.) sufficient for Grambling State University to evaluate quality, suitability, and compliance with the specifications with the bid submission. Failure to submit descriptive information may cause bid to be rejected. Any changes made by Bidder to a manufacturer's published specifications shall be verifiable by the manufacturer. If items bid do not fully comply with specifications, Bidder should state in what respect items deviate. Bidder's failure to note exceptions in its bid will not relieve the Bidder from supplying the actual products requested.

8. Bids/Prices/F.O.B. Point

- The bid price for each item is to be quoted on a "net" basis and F.O.B. Grambling State University Destination, i.e. title passing upon receipt and inclusive of all delivery charges, any item discounts, etc.
- Bids other than F.O.B. Grambling State University Destination may be rejected.
- Bids indicating estimated freight charges may be rejected.
- Bids requiring deposits, payment in advance, or C.O.D. terms may be rejected.
- Bidders who do not quote "net" item prices and who separately quote an overall "lump sum" freight cost or discount for all items shall be considered as submitting an "all-or-none" bid for evaluation and award purposes; and risk rejection if award is made on an item basis.
- Prices shall be firm for acceptance for a minimum of 30 days, unless otherwise specified. Bids conditioned with shorter acceptance periods may be rejected.
- Prices are to be quoted in the unit/packaging specified (e.g. each, 12/box, etc), or may be rejected.
- In the event of extension errors, the unit price bid shall prevail.

9. Taxes: Vendor is responsible for including all applicable taxes in the bid price. Grambling State University is exempt from all Louisiana state and local sales and use taxes. By accepting an award, resident and non-resident firms acknowledge their responsibility for the payment of all taxes duly assessed by the State of Louisiana and its political subdivisions for which they are liable, including but not limited to: franchise taxes, privilege taxes, sales taxes, use taxes, ad valorem taxes, etc.

10. Terms and Conditions: This solicitation contains all terms and conditions with respect to the purchase of the goods and/or services specified herein. Submittal of any contrary terms and conditions may cause your bid to be rejected. By signing and submitting a bid, vendor agrees that contrary terms and conditions which may be included in its bid are nullified; and agrees that this contract shall be construed in accordance with this solicitation and governed by the laws of the State of Louisiana.

11. Vendor Forms/ Grambling State University Signature Authority: The terms and conditions of the Grambling State University solicitation, purchase order and contract shall solely govern the purchase agreement, and shall not be amended by any vendor contract, form, etc.

The University's has assigned delegated authorities to execute/sign any vendor contracts, forms, etc., on behalf of Grambling State University as a result of any award of the solicitation. Departments are expressly prohibited from signing any vendor forms.

Any such vendor contracts/forms bearing unauthorized signatures shall be null and void, shall have no legal force, and shall not be recognized by Grambling State University in any dispute arising therefrom. Vendors who present any such forms to department users for signature without regard to this strict Grambling State University policy may face contract cancellation, suspension, and/or debarment.

12. Awards: The intent to award this bid on an all-or-none basis to the lowest responsible and responsive Bidder will be stated on the bid form. For bids with several items, Grambling State University reserves the right: (1) to award items separately, grouped, or on an all-or-none basis, as deemed in its best interest; (2) to reject any or all bids and/or items; and (3) to waive any informalities.

All solicitation specifications, terms and conditions shall be made part of any subsequent award as if fully reproduced and included therein, unless specifically amended in the formal contract.

13. Acceptance of Bid: Only the issuance of an official Grambling State University purchase order, contract, Notification of Award letter, or a Notification of Intent to Award letter shall constitute the University's acceptance of a bid. Grambling State University shall not be responsible in any way to a vendor for goods delivered or services rendered without an official purchase order and/or contract.

14. Applicable Law: All contracts shall be construed in accordance with and governed by the laws of the State of Louisiana.

15. Awarded Products/Unauthorized Substitutions: Only those awarded brands and numbers stated in the Grambling State University contract are approved for delivery, acceptance, and payment purposes. Any substitutions must be reviewed and approved by the Grambling State University Purchasing Department prior to awarding the contract. Unauthorized product substitutions are subject to rejection at time of delivery, post-return at vendor's expense, and non-payment. Testing/Rejected Goods: Vendor warrants that the products furnished will be in full conformity with the specification, drawing or sample, and agrees that this warranty shall survive delivery, acceptance, and use. Any defect in any product may cause its rejection.

Grambling State University reserves the right to test products for conformance to specifications both prior to and after any award. Vendor shall bear the cost of testing if product is found to be non-compliant. All rejected goods will be held at vendor's risk and expense, and subject to vendor's prompt disposition. Unless otherwise arranged, rejected goods will be returned to the vendor freight collect.

- 16. Delivery:** Vendor is responsible for making timely delivery in accordance with its quoted delivery terms. Vendor shall promptly notify the Grambling State University Purchasing Department of any unforeseen delays beyond its control. In such cases, Grambling State University reserves the right to cancel the order and to make alternative arrangements to meet its needs. All deliveries must go to: **Property and Receiving, 407 Central Ave., Grambling, La 71245.**
- 17. Default of Vendor:** Failure to deliver within the time specified in the bid/award will constitute a default and may be cause for contract cancellation. Where the University has determined the vendor to be in default, Grambling State University reserves the right to purchase any or all goods or services covered by the contract on the open market and to surcharge the vendor with costs in excess of the contract price. Until such assessed surcharges have been paid, no subsequent bids from the defaulting vendor will be considered for award.
- 18. Vendor Invoices:** Invoices shall reference the Grambling State University purchase order number, vendor's packing list/delivery ticket number, shipping/delivery date, etc. Invoices are to be itemized and billed in accordance with the order, show the amount of any prompt payment discount, and submitted on the vendor's own invoice form. Invoices submitted by the vendor's supplier are not acceptable.
- 19. Delinquent Payment Penalties:** Delinquent payment penalties are mandated and governed by Louisiana R.S. 39:1695. Vendor penalties to the contrary shall be null and void, shall have no legal force, and shall not be recognized by Grambling State University in any dispute arising therefrom.
- 20. Assignment of Contract/Contract Proceeds:** Vendor shall not assign, sublet or transfer its contractual responsibilities, or payment proceeds thereof, to another party without the prior written consent and approval of the Grambling State University Purchasing Department. Unauthorized assignments of contract or assignments of contract proceeds shall be null and void, shall have no legal force, and shall not be recognized by Grambling State University in any dispute arising therefrom.
- 21. Contract Cancellation/Termination:** Grambling State University has the right to cancel any contract for cause, in accordance with purchasing rules and regulations, including but not limited to: (1) failure to deliver within the time specified in the contract; (2) failure of the product or service to meet specifications, conform to sample quality or to be delivered in good condition; (3) misrepresentation by the vendor; (4) fraud, collusion, conspiracy or other unlawful means of obtaining any contract with the University; (5) conflict of contract provisions with constitutional or statutory provisions of state or federal law; (6) any other breach of contract.

Grambling State University has the right to cancel any contract for convenience at any time by giving thirty (30) days written notice to the vendor. In such cases, the vendor shall be entitled to payment for compliant deliverables in progress.
- 22. Prohibited Contractual Arrangements:** Per Louisiana R.S. 42:1113.A, no public servant, or member of such a public servant's immediate family, or legal entity in which he has a controlling interest shall bid on or enter into any contract, subcontract, or other transaction that is under the supervision or jurisdiction of the agency of such public servant. See statute for complete law, exclusions, and provisions.
- 23. Equal Employment Opportunity Compliance:** By submitting and signing this bid, vendor agrees to abide by the requirements of the following as applicable: Title VI and VII of the Civil Rights Act of 1964, as amended by the Equal Opportunity Act of 1972; federal Executive Order 11246; federal Rehabilitation Act of 1973, as amended; the Vietnam Era Veteran's Readjustment Assistance Act of 1974; Title IX of the Education Amendments of 1972; the Age Act of 1975; the Americans with Disabilities Act of 1990. Vendor agrees not to discriminate in its employment practices and will render services under any contract entered into as a result of this solicitation without regard to race, color, religion, sex, age, national origin, veteran status, political affiliation, handicap, disability, or other non-merit factor. Any act of discrimination committed by vendor, or failure to comply with these statutory obligations when applicable, shall be grounds for termination of any contract entered into as a result of this solicitation.

- 24. Mutual Indemnification:** Each party hereto agrees to indemnify, defend, and hold the other, the State of Louisiana, any governing board, each party's officers, directors, agents and employees harmless from and against any and all losses, liabilities, and claims, including reasonable attorney's fees arising out of or resulting from the willful act, fault, omission, or negligence of the indemnifying party or of its employees, contractors, or agents in performing its obligations under this agreement, provided however, that neither party hereto shall be liable to the other for any consequential damages arising out of its willful act, fault, omission, or negligence. Certification of No Suspension or Debarment: By signing and submitting this bid, Bidder certifies that its company, any subcontractors, or principals thereof, are not suspended or debarred under federal or state laws or

regulations. A list of parties who have been suspended or debarred by federal agencies is maintained by the General Services Administration and can be viewed on the internet at www.epls.gov.

- 25. Substitution of Personnel:** If applicable, the University intends to include in any contract resulting from this IFB the following condition: Substitution of Personnel: If, during the term of the contract, the Contractor or subcontractor cannot provide the personnel as proposed and requests a substitution, that substitution shall meet or exceed the requirements stated herein. A detailed resume of qualifications and justification is to be submitted to the University for approval prior to any personnel substitution. It shall be acknowledged by the Contractor that every reasonable attempt shall be made to assign the personnel listed in the Contractor's bid.
- 26. Insurance Requirements:** Please note insurance requirements section included in these bid specifications. **If applicable** to the services procured in this solicitation, the successful Bidder will be required to furnish a certificate of insurance evidencing required coverages and naming the Grambling State University as an additional insured, and grant a waiver of subrogation on all liability policies.
- 27. Nonperformance:** Successful Bidder is required to perform in strict accordance with all contract specifications, terms, and conditions. Successful Bidder will be advised in writing of nonperformance issues and shall be required to promptly implement corrective actions to ensure contract compliance and to prevent recurrences. In the event the successful Bidder is issued three or more complaints of nonperformance, Grambling State University reserves the right at its sole discretion to cancel the contract with a ten (10) day written notice. Contract cancellations due to nonperformance may be cause to deem vendor non-responsible in future solicitations.

NOTE: The University has a fall break and a Spring Break. Each Break is approximately 4 Days Each.

- 28. No Smoking Campus:** The Successful Bidder shall be responsible for compliance with all University policies, security measures and vehicle regulations. Specifically, the University is a NO SMOKING campus and all prospective Bidders are cautioned that smoking will not be permitted inside or outside on ANY part of this facility at any time. Any employee who is found to be in violation of this policy will be subject to immediate dismissal.
- 29. Non-Exclusivity:** This agreement is non-exclusive and shall not in any way preclude Grambling State University from entering into similar agreements and/or arrangements with other Vendors or from acquiring similar, equal, or like goods and/or services from other entities or sources.
- 30. Contract Amendments:** Requests for contract changes must be made in writing by an authorized agent/signatory of the Vendor and submitted to the Grambling State University Purchasing Department for prior approval. Requests shall include detailed justification and supporting documentation for the proposed amendment.

Contract revisions shall be effective only upon approval by Grambling State University Purchasing Department and issuance of a formal Grambling State University Contract Amendment. The Vendor shall honor purchase orders issued prior to the approval of any contract amendment as applicable.

- 31. Term of Contract:** The duration of this Contract commences from the date specified herein or date of award notification and continues until University accepts final delivery of all deliverables. Total initial contract period not to exceed **Twelve (12)** months, unless renewal terms are specified in the solicitation documents. All terms of the solicitation shall be firm for the duration of Contract.
- 32. Notification of Fund Appropriation:** The continuation of this contract is contingent upon the appropriation of funds to fulfill the requirements of the contract by the Legislature. If the Legislature fails to appropriate sufficient monies to provide for the continuation of the contract or if such appropriation is reduced by the veto of the Governor or by any means provided in the Appropriations Act to prevent the total appropriations for the year from exceeding revenues for that year or for any lawful purpose and the effect of such reduction is to provide insufficient monies for the continuation of the contract, the contract shall terminate on the date of the beginning of the first fiscal year for which funds are not appropriated.

All Bidders should be aware that our Legislative process is such that it is often impossible to give prior notice of the non-appropriation of funds. Number of Bid Response Copies: Each Bidder must submit one (1) signed original bid to the Office of Purchasing at the mailing address specified in this solicitation document. The original must CONTAIN ORIGINAL SIGNATURES of those company officials or agents duly authorized to sign on behalf of the organization. Bidders may be required to mail in the original documents upon award.

- 33. Prohibition of Discriminatory Boycotts of Israel:** In accordance with LA R.S. 39:1602:1, for any contract for \$100,000 or more and for any contractor with five or more employees, Contractor, or any Subcontractor, shall certify it is not engaging in a boycott of Israel, and shall, for the duration of this contract, refrain from a boycott of Israel.

The State reserves the right to terminate this contract if the Contractor, or any Subcontractor, engages in a boycott of Israel during the term of the contract.

34. **Pre-Bid Meeting:** **Scheduled for February 12, at 10:00** am in the Purchasing Conference Rm, located on 429 Main Str.. Grambling, La 71245. **La. R.S. 38:2212.H; Bidders must attend (and stay at) any mandatory pre-bid meeting.**
35. **Site Visit/Contract Information:** It is the responsibility of the prospective bidder to visit and examine the jobsite, take measurements to his/her own satisfaction and determine conditions under which work is to be done. Owner will not accept responsibility for conditions which careful examination of premises would have shown existed.

To visit jobsite and for further information, prospective bidder is to contact the Grambling State University Purchasing Departments at the contacts listed on page 1. It is preferred to have a written record of the correspondence for each site visit request. Please do not contact us by phone to schedule a visit unless you do not receive a response to your email request after 48 hours.
36. **Piggy Back Clause:** Grambling State University is asking all responding vendors to indicate their willingness to extend the terms of resulting contracts, inclusive of price, to other Louisiana state agencies and/or universities. While this clause in no way commits any state agency and/or university to purchase from the awarded vendor, nor does it guarantee any additional orders will result, it does allow state agencies and/or universities, at their discretion, to make use of the Grambling State University's competitive process (provided said process satisfies their own procurement guidelines) and purchase directly from the awarded contractor. All purchases made by other state agencies and/or universities shall be understood to be transactions between that state agency and/or university and the awarded vendor. Grambling State University shall not be responsible for any such purchases.
37. **State of Louisiana Contractor's Licenses Requirements:** If a Louisiana Contractor's License Number is Required for the items, work, or services to be performed under this solicitation, then it shall be stated in the bid advertisement that will appear in the Baton Rouge Advocate, and it will be stated in the specifications provided with these bid documents.
38. **Examination of Bid Documents:** Bidders shall carefully examine the bidding documents and the sites to obtain first-hand knowledge of the scope and the conditions of the work. The submittal of a bid means the Contractor has inspected all elevators and related equipment in the buildings specified and has found elevators to be in a proper working order and satisfactory condition. No additional compensation will be allowed by the owner for failure of such contractor or subcontractor to inform themselves as to the conditions affecting the work
39. **Errors and Omissions in Bid:** The University will not be liable for any error in the bid. Bidder will not be allowed to alter bid documents after the deadline for bid submission, except under the following condition: The University reserves the right to make corrections or clarifications due to patent errors identified in bids by the University or the Bidder. The University, at its option, has the right to request clarification or additional information from the Bidder.
40. **Waiver of Administration Informalities:** The University reserves the right, at its sole discretion, to waive administrative informalities contained in any bid.
41. **Cost of Offer Preparation:** The University is not liable for any costs incurred by prospective Bidders or Contractors prior to issuance of or entering into a Contract. Costs associated with developing the bid, and any other expenses incurred by the Bidder in responding to the ITB are entirely the responsibility of the Bidder, and shall not be reimbursed in any manner by Grambling State University.
42. **Notice of Intent to Award:** Upon review and approval of the evaluation committee and agency recommendation for award, the Grambling State University will issue a Notice of Intent to Award letter to the apparent successful Bidder. A contract shall be completed and signed by all parties concerned on or before the date indicated. If this date is not met through no fault of the University, the University may elect to cancel the Notice of Intent to Award letter and make the award to the next most advantageous Bidder.

The Purchase Order and the Contractor's specifications will be combined to form the complete contract when the award is made. The Contractor shall be responsible for Contract filing fee with the Lincoln Parish Courthouse.

Any person aggrieved by the proposed award has the right to submit a protest in writing, in accordance with R.S. 39:1671, to the University Purchasing Director, within fourteen (14) days of the award/intent to award.

NOTICE TO VENDORS

LOUISIANA'S HUDSON (SMALL ENTREPRENEURSHIP) AND VETERAN INITIATIVE

The Louisiana Initiative for Small Entrepreneurships (the Hudson Initiative) and the Veteran Initiative (Veteran Small Entrepreneurship) are race and gender neutral goal-oriented programs which encourage State agencies to contract with

and encourage contractors who receive contracts from the State to use good faith efforts to utilize certified small entrepreneurship and certified veteran or service-connected disabled veteran owned small entrepreneurship as subcontractors in the performance of the contract. The primary intent of the programs is to provide additional opportunities for Louisiana-based small entrepreneurship that are certified by the Louisiana Department of Economic Development (LED) to participate in contracting and procurement with the State.

Small entrepreneurship that are not currently certified and are interested in participating in procurement and contracting opportunities with the State are encouraged to visit <https://www.opportunitylouisiana.gov/small-business/special-programs-for-small-business/hudson-initiative> or <https://www.opportunitylouisiana.gov/small-business/special-programs-for-small-business/veteran-initiative> for qualification requirements and on-line certification. After certification, businesses are encouraged to register in the [LaGov Supplier Portal](#).

END OF SECTION

MANDATORY BID REQUIREMENTS

Failure to meet all of the listed mandatory requirements will result in rejection of bid without further consideration.

1. **CERTIFICATION STATEMENT:** The Bidder **must** sign and include the Certification Statement as set forth in solicitation document. The signature of Bidder's Authorized Representative **must be an ORIGINAL signature** - not a typed/electronic signature. Documents signed in the DocuSign™ program are the only exceptions to this policy.
2. **BID SHEET/FORM:** The Bidder must submit bid on the form herein provided. The proposal must be signed in ink, and blank space(s) should be filled in for every applicable blank in the UNIT PRICE and EXTENDED TOTAL column. Items left blank will not be awarded to that bidder. It is not necessary to bid on all items. However, if you are not bidding on a particular item, or find a blank that is not applicable to your submission, write "NO BID" or "N/A" in the provided space(s). The Bidder must state the UNIT price (written in ink or typewritten) for each item and shall show the total amount for each item based on the quantities listed.
3. **CONTRACTOR QUALIFICATIONS: REFERENCE LETTERS:** The University reserves the right to verify contractor's qualifications regarding the bid response received, and to request references for verification purposes.
4. **CERTIFICATE OF INSURANCE: If Insurance is required under this solicitation, it will be stated in the advertisement of the solicitation to appear in the Baton Rouge Advocate, and in the specification provided with these bid documents.** Bidder shall submit a certificate of insurance with bid submission or by provide the following information: Policy number, names and addresses of carriers and Agents, amounts of coverage, types of coverage, and effective dates on the bid form enclosed.
5. **ILLUSTRATIVE MATERIALS: (If Applicable)** Vendor bidding anything other than exact goods/services specified in these specifications should submit descriptive and illustrative literature with the bid for consideration of award. Failure to do so may be cause for rejection of bid.

CONTACT INFORMATION

ELECTRONIC BID SUBMISSIONS (ONLY) *Do not email questions about the bid to this email address.*

purchasingbids@gram.edu

Be sure to include the solicitation number in the subject line.

Do not send your submission to any other University email address.

QUESTIONS/CONCERNS ABOUT SPECIFICATIONS

walkere@gram.edu

Do not email bid submissions this address.

To contact Purchasing by phone: 318-274-3280

CAMPUS DELIVERIES

Please send samples or other associated documents when a hard copy is requested or deemed necessary. By

Mail – Grambling State University

Purchasing Department

PO Box 4269

Grambling LA 71245

By Courier Service: Grambling State University

Purchasing Department

PO Box 4269

Grambling, LA 71245

DEFINITIONS

Agent - The University's representative in Purchasing Department who is referred to throughout these documents as singular in number.

Contractor - The person/company who contracts with Grambling State University to provide the items, services, or to perform the work as called for on these documents who is referred to as singular in number.

Owner –Grambling State University.

IMPORTANT NOTES:

- 1. VENDOR BIDDING ANYTHING OTHER THAN EXACT GOODS/SERVICES SPECIFIED IN THESE SPECIFICATIONS SHOULD SUBMIT DESCRIPTIVE AND ILLUSTRATIVE LITERATURE WITH BID FOR CONSIDERATION OF AWARD. FAILURE TO DO SO MAY BE CAUSE FOR REJECTION OF BID.**
- 2. ALL PRICES QUOTED ARE TO REMAIN FIRM UNTIL ALL DELIVERABLE GOODS OR SERVICES ARE RENDERED TO AND ACCEPTED BY GRAMBLING STATE UNIVERSITY.**
- 3. IN THE EVENT OF EXTENSION ERRORS, THE UNIT PRICE ON THE BID FORM SHALL PREVAIL.**
- 4. GRAMBLING STATE UNIVERSITY ADHERES TO NET 30 PAYMENT TERMS. ALL OTHER PAYMENT TERMS MUST BE DISCLOSED WITH BID. BE ADVISED THAT STRICTER PAYMENT TERMS MAY BE CAUSE FOR REJECTION OF BID.**
- 5. QUANTITIES ARE APPROXIMATE AND ARE NOT GUARANTEED BY THE UNIVERSITY. THE UNIVERSITY RESERVES THE RIGHT TO INCREASE OR REDUCE QUANTITY AS NEEDED IF IN THE BEST INTEREST OF THE UNIVERSITY.**
- 6. THE UNIVERSITY RESERVES THE RIGHT TO AWARD PROPOSAL ON AN INDIVIDUAL ITEM BASIS, A COMBINATION OF ITEMS BASIS, OR AS A TOTAL PACKAGE TO ONE VENDOR, WHICHEVER IS IN THE BEST INTEREST OF THE UNIVERSITY.**
- 7. BID SUBMISSIONS MUST DISCLOSE ALL FEES INCLUDING SHIPPING, HANDLING, FREIGHT, FUEL SURCHARGES, ETC.. NO ADDITIONAL FEES WILL BE ACCEPTED AFTER AWARD.**
- 8. FAILURE TO COMPLY WITH ANY MANDATORY REQUIREMENTS SHALL BE CAUSE FOR REJECTION OF BID.**
- 9. TAX EXEMPTION: *Grambling State University is exempt from all Louisiana state and local sales and use taxes and will not pay taxes delineated on invoices for this or any other project. Grambling State University is a tax-exempt State Agency. However, that tax-exempt status does not transfer to its contractors, subcontractors, suppliers or vendors for their use in purchasing project-related materials.***

END OF SECTION

LOUISIANA UNIFORM BID FORM

TO: Grambling State University_
Purchasing Dept
GSU P.O. Box 4269.
Grambling, La 71245

**BID FOR: INSTALLTION OF SECURITY DOORS
AND LOCKS AT 8 RESIDENTIAL HALLS**
Bid No.: **50018-250020**

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: **Grambling State University dated: February 3, 2025.**

TOTAL BASE BID: For all work required by the Bidding Documents for the **we bid the sum of:**
_____ Dollars (\$ _____)

NAME OF BIDDER: _____

ADDRESS OF BIDDER: _____

FAX NO.: _____ **EMAIL ADDRESS:** _____

LOUISIANA CONTRACTOR'S LICENSE NUMBER: _____

NAME OF AUTHORIZED SIGNATORY OF BIDDER: _____

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: _____

AUTHORIZED SIGNATURE OF BIDDER *: _____

DATE: _____

THE FOLLOWING ITEMS ARE TO BE INCLUDED WITH THE SUBMISSION OF THIS LOUISIANA UNIFORM BID FORM:

*The Unit Price Form shall be used is the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

****A CORPORATE RESOLUTION OR WRITTEN EVIDENCE** of the authority of the person signing the bid as prescribed by LA R.S. 38.2212(B)(5).

BID SECURITY in the form of a bid bond, certified check email document from the Surety Company as prescribed by LA R.S. 38:2218.A is attached to and made a part of this bid. If a bid bond is provided it shall be on the attached form and only on the attached form.

I acknowledge that no work shall be subcontracted _____(Initial)

BID SUBMISSION CHECKLIST

- ___ Certification statement w/original signature
- ___ Bid prices provided on the bid sheet(s) provided
- ___ Certificate of Insurance
- ___ Illustrative literature for items offered as equivalent

BID SUBMISSION DEADLINE:
 Bid submissions for this solicitation are **due on FEBRUARY 25, 2025 by 2:00PMCST** – must be received electronically at purchasingbids@gram.edu. There are no exceptions to this deadline.

BID OPENING:
 The public bid opening will take place on **FEBRUARY 25, 2025 at 2:05PMCST** on Zoom, which is available for

ZOOM MEETING ID: 885 4601 **PASSWORD: 059170**

Opening of the bid submissions begins at five (5) minutes past the hour.

For further information about the bid or to view job/delivery site, prospective bidder is to email the Purchasing Staff Members Contact Information provided on page 1

BID SHEET (continued)

PAYMENT OF TAXES

Grambling State University is exempt from all Louisiana state and local sales and use taxes and will not pay taxes delineated on invoices for items, services, or work under this solicitation or any other project. Grambling State University is a tax-exempt State Agency. However, that tax-exempt status does not transfer to its contractors, subcontractors, suppliers or vendors for their use in purchasing materials to be procured under this solicitation.

ADDENDA ACKNOWLEDGEMENT(S)

BIDDER ACKNOWLEDGES RECEIPT OF THE FOLLOWING ADDENDA (if applicable):

ADDENDUM NO. ___ DATED: _____

ADDENDUM NO. ___ DATED: _____

ADDENDUM NO. ___ DATED: _____

FIRM NAME _____

LOUISIANA CONTRACTOR’S LICENSE NUMBER: _____

SIGNED BY (signature) _____

SIGNED BY (printed) _____

By submitting your bid, you are acknowledging that you understand and agree that your company is capable of supplying the products/services in the timeline you have provided for the price(s) submitted in your bid.

Grambling State University reserves the right to reject any or all bids submitted.

BID BOND
FOR
GRAMBLING STATE UNIVERSITY PROJECTS

Date:

KNOW ALL MEN BY THESE PRESENTS:

That _____ of _____, as Principal, and as Surety, are held and firmly bound unto GRAMBLING STATE UNIVERSITY (Obligee), in the full and just sum of five (5%) percent of the total amount of this proposal, including all alternates, lawful money of the United States, for payment of which sum, well and truly be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally firmly by these presents.

Surety represents that it is listed on the current U. S. Department of the Treasury Financial Management Service list of approved bonding companies as approved for an amount equal to or greater that the amount for which it obligates itself in this instrument or that it is a Louisiana domiciled insurance company with at least an A - rating in the latest printing of the A. M. Best's Key Rating Guide. If surety qualifies by virtue of its Best's listing, the Bond amount may not exceed ten percent of policyholders' surplus as shown in the latest A. M. Best's Key Rating Guide.

Surety further represents that it is licensed to do business in the State of Louisiana and that this Bond is signed by surety's agent or attorney-in-fact. This Bid Bond is accompanied by appropriate power of attorney.

THE CONDITION OF THIS OBLIGATION IS SUCH that, whereas said Principal is herewith submitting its proposal to the Obligee on a Contract for:

NOW, THEREFORE, if the said Contract be awarded to the Principal and the Principal shall, within such time as may be specified, enter into the Contract in writing and give a good and sufficient bond to secure the performance of the terms and conditions of the Contract with surety acceptable to the Obligee, then this obligation shall be void; otherwise this obligation shall become due and payable.

PRINCIPAL (BIDDER)

SURETY

BY: _____
AUTHORIZED OFFICER-OWNER-PARTNER

BY: _____
AGENT OR ATTORNEY-IN-FACT(SEAL)

Request for Taxpayer Identification Number and Certification

Go to www.irs.gov/FormW9 for instructions and the latest information.

**Give form to the
requester. Do not
send to the IRS.**

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

Print or type. See Specific Instructions on page 3.	1	Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.)			
	2	Business name/disregarded entity name, if different from above.			
	3a	Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C corporation <input type="checkbox"/> S corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) _____ Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) _____	4	Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) _____	
	3b	If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions <input type="checkbox"/>			<i>(Applies to accounts maintained outside the United States.)</i>
	5	Address (number, street, and apt. or suite no.). See instructions.		Requester's name and address (optional)	
	6	City, state, and ZIP code			
	7	List account number(s) here (optional)			

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Social security number																											
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Note: If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person	Date
------------------	--------------------------	------

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they

INSURANCE-STATEMENT

This is to certify that we carry the Workmen’s Compensation, Employer's Liability Insurance, General Liability Insurance, and Automobile Liability Insurance as outlined above with:

Liability Insurance Company: _____

Auto Liability Company Insurance: _____

Workers Compensation Insurance Company: _____

Grambling State University to be named as additional insured on Insurance Certificate provided for this contract for Liability Coverage and Auto Liability Coverage. Grambling State University shall be granted a waiver of subrogation for all Insurance Policies.

Business Name: _____

Business Address: _____ Phone No.: _____

Authorized Signature of Bidder: _____ Date: _____

Printed Name: _____ Title: _____

Email Address: _____

CERTIFICATION STATEMENT

The undersigned hereby acknowledges she/he has read and understands all requirements and specifications of the Invitation for Bid (IFB), including any attachments.

OFFICIAL CONTACT. The University requests that the Bidder designate one person to receive all documents and the method in which the documents are best delivered. Identify the Contact name and fill in the information below: (Print Clearly)

Date	_____ Official Contact Name:	
A.	E-mail Address	
B.	Telephone Number with area code:	(_____) _____

Bidder certifies that the above information is true and grants permission to the University to contact the above-named person or otherwise verify the information provided. By its submission of this Proposal and authorized signature below, Bidder certifies that:

1. The information contained in its response to this IFB is accurate;
2. Bidder complies with each of the mandatory requirements listed in the IFB and will meet or exceed the requirements specified therein; Bidder agrees to provide all tasks, services, and deliverables listed in Scope of Services for the total cost stated on Bid Form
3. Bidder accepts the procedures, evaluation criteria, mandatory contract terms, and all other administrative requirements set forth in this IFB.
4. Bidder confirms that its bid will be considered valid until award is made.
5. In making this bid, each Bidder represents that: They have read and understand the bid documents and the bid is made in accordance herewith, and the bid is based upon the specifications described in the bid documents without exception.
6. Bidder certifies, by signing and submitting a proposal for \$25,000 or more, that their company, any subcontractors, or principals are not suspended or debarred by the General Services Administration (GSA) in accordance with the requirements in OMB Circular A-133. (A list of parties who have been suspended or debarred can be viewed via the internet at www.epls.gov.)
7. **FEDERAL CLAUSES, IF APPLICABLE:** Should Federal Funds be utilized in this procurement transaction, the following clauses apply:

ANTI-KICKBACK CLAUSE: The contractor hereby agrees to adhere to the mandate dictated by the Copeland “Anti-Kickback” Act which provides that each contractor or subgrantee shall be prohibited from inducing, by any means, any person employed in the completion of work, to give up any part of the compensation to which he is otherwise entitled.

CLEAN AIR ACT: The contractor hereby agrees to adhere to the provisions which require compliance with all applicable standards, orders or requirements issued under Section 306 of the Clean Air Act which prohibits the use under non-exempt Federal Contracts, Grants or Loans of Facilities included on the EPA list of Violating Facilities.

ENERGY POLICY AND CONSERVATION ACT: The contractor hereby recognizes 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 (P.L. 94-163).

CLEAN WATER ACT: The contractor hereby agrees to adhere to the provisions which require compliance with all applicable standards, orders or requirements issued under Section 508 of the Clean Water Act which prohibits the use under non-exempt Federal Contracts, Grants or Loans of Facilities included on the EPA list of Violating Facilities.

ANTI-LOBBYING AND DEBARMENT ACT: The contractor will be expected to comply with Federal Statues required in the Anti Lobbying Act and the Debarment Act.

Professional Job Title:		
Official Company Name:		
Federal Identification Number:		
Street Address:		
City:	State:	Zip:

SIGNATURE of Bidder’s Authorized Representative: _____

(Signature MUST be HAND SIGNED and should be in Blue ink)

Date: _____

EXHIBIT E INDEMNIFICATION AGREEMENT

The _____{Contractor/Lessee} agrees to protect, defend, indemnify, save, and hold harmless, Grambling State University, the State of Louisiana, all State Departments, Agencies, Boards and Commissions, its officers, agents, servants, employees, and volunteers, from and against any and all claims, damages, expenses, and liability arising out of injury or death to any person or the damage, loss or destruction of any property which may occur, or in any way grow out of, any act or omission of

_____ {Contractor/Lessee}, its agents, servants, and employees, or any and all costs, expenses and/or attorney fees incurred by _____ {Contractor/Lessee} as a result of any claims, demands, suits or causes of action, except those claims, demands, suits, or causes of action arising out of the negligence of the State of Louisiana, all State Departments, Agencies, Boards, Commissions, its officers, agents, servants, employees and volunteers.

_____ {Contractor/Lessee} agrees to investigate, handle, respond to, provide defense for and defend any such claims, demands, suits, or causes of action at its sole expense and agrees to bear all other costs and expenses related thereto, even if the claims, demands, suits, or causes of action are groundless, false or fraudulent.

Accepted by _____

Company Name

Signature

Title

Date Accepted _____

Is Certificate of Insurance Attached? Yes No

Contract No. _____ for

Grambling State University State Agency

PURPOSE OF CONTRACT: _____

SCHEDULE OF VALUES

The Contractor is to use the following format. The total Contract Cost is to be itemized in each Subsection listed (as applicable)

DIVISION 01 – GENERAL REQUIREMENTS	Quantity	Cost
01 00 00 General Requirements		
01 32 50 Record Drawings, Shop Drawings, Product Data, Samples and other submittals.		
	TOTAL	
DIVISION 02 – EXISTING CONDITIONS		
02 30 00 Subsurface Investigation		
02 41 00 Demolition		
	TOTAL	
DIVISION 03 – CONCRETE		
03 01 00 Maintenance of Concrete		
03 11 00 Concrete Forming		
03 15 00 Concrete Accessories		
03 20 00 Concrete Reinforcing		
03 30 00 Cast-in-place Concrete		
03 40 00 Precast Concrete		
03 50 00 Cast Decks & Underlayment		
	TOTAL	
DIVISION 04 – MASONRY		
04 01 00 Maintenance of Masonry		
04 05 13 Masonry Mortaring		
04 05 19 Masonry Anchorage & Reinforcing		
04 05 23 Masonry Accessories		
04 20 00 Unit Masonry		
	TOTAL	
DIVISION 05 – METALS		
05 05 23 Metal Fastenings		
05 10 00 Structural Metal Framing		
05 20 00 Metal Joists		
05 30 00 Metal Decking		
05 50 00 Metal Fabrications		
05 58 00 Formed Metal Fabrications		

TOTAL

DIVISION 06 – WOOD, PLASTICS, &
COMPOSITES

- 06 05 23 Fastening and Adhesives
- 06 10 00 Rough Carpentry
- 06 13 00 Heavy Timber
- 06 17 00 Shop-fabricated Structural
Wood
- 06 20 00 Finish Carpentry

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

SUB-TOTAL

DIVISION 06 – WOOD, PLASTICS, &
COMPOSITES (CONTINUES)

06 40 00 Architectural Woodwork	_____	_____
06 60 00 Plastic Fabrications	_____	_____
06 80 00 Composite Fabrications	_____	_____
	TOTAL	_____

DIVISION 07 – THERMAL AND MOISTURE
PROTECTION

07 10 00 Dampproofing and Waterproofing	_____	_____
07 18 00 Traffic Coatings	_____	_____
07 19 00 Water Repellents	_____	_____
07 21 00 Thermal Insulation	_____	_____
07 24 00 Exterior Insulation & Finish Systems	_____	_____
07 25 00 Weather Barriers	_____	_____
07 31 00 Shingles and Shakes	_____	_____
07 32 00 Roof Tiles	_____	_____
07 40 00 Roofing and Siding Panels	_____	_____
07 50 00 Membrane Roofing	_____	_____
07 60 00 Flashing and Sheet Metal	_____	_____
07 61 00 Sheet Metal Roofing	_____	_____
07 70 00 Roof & Wall Specialties and Accessories	_____	_____
07 80 00 Fire and Smoke Protection	_____	_____
07 90 00 Joint Protection	_____	_____
07 95 00 Expansion Control	_____	_____
	TOTAL	_____

DIVISION 08 – OPENINGS

08 11 00 Metal Doors and Frames	_____	_____
08 14 00 Wood Doors	_____	_____
08 15 00 Plastic Doors	_____	_____
08 30 00 Specialty Doors and Frames	_____	_____
08 41 00 Entrances and Storefronts	_____	_____
08 44 00 Curtain Wall and Glazed Assemblies	_____	_____
08 51 00 Metal Windows	_____	_____
08 52 00 Wood Windows	_____	_____
08 53 00 Plastic Windows	_____	_____
08 56 00 Special Function Windows	_____	_____
08 60 00 Roof Windows and Skylights	_____	_____
08 70 00 Hardware	_____	_____
08 80 00 Glazing	_____	_____
08 90 00 Louvers and Vents	_____	_____
	_____	_____
	TOTAL	_____

DIVISION 09 – FINISHES

09 22 00 Supports for Plaster and Gypsum Board	_____	_____
09 23 00 Gypsum Plastering	_____	_____
09 24 00 Portland Cement Plastering	_____	_____
09 29 00 Gypsum Board	_____	_____
09 30 00 Tiling	_____	_____
	SUB-TOTAL	_____

DIVISION 09 – FINISHES (CONTINUED)

09 50 00 Acoustical Ceilings	_____	_____
09 54 00 Specialty Ceilings	_____	_____
Quantity	_____	_____
09 61 00 Flooring Treatment	_____	_____
09 62 00 Specialty Flooring	_____	_____
09 63 00 Masonry Flooring	_____	_____
09 64 00 Wood Flooring	_____	_____
09 65 00 Resilient Flooring	_____	_____
09 66 00 Terrazzo Flooring	_____	_____
09 68 00 Carpeting	_____	_____
09 69 00 Access Flooring	_____	_____
09 97 00 Wall Finishes	_____	_____
09 91 00 Painting	_____	_____
09 97 00 Special Coatings	_____	_____
	TOTAL	_____

DIVISION 10 – SPECIALTIES

10 11 00 Visual Display Surfaces	_____	_____
10 14 00 Signage	_____	_____
10 21 00 Compartments and Cubicles	_____	_____
10 22 00 Partitions	_____	_____
10 26 00 Wall and Door Protection	_____	_____
10 28 00 Toilet, Bath, and Laundry Accessories	_____	_____
10 44 00 Fire Protection Specialties	_____	_____
10 51 00 Lockers	_____	_____
10 56 00 Storage Assemblies	_____	_____
10 82 00 Grilles and Screens	_____	_____
	TOTAL	_____

DIVISION 11 – EQUIPMENT

11 15 00 Security, Detention, and Banking Equipment	_____	_____
11 19 00 Detention Equipment	_____	_____
11 23 00 Commercial Laundry and Dry Cleaning Equipment	_____	_____
11 26 00 Unit Kitchens	_____	_____
11 27 00 Photographic Processing Equipment	_____	_____
11 40 00 Foodservice Equipment	_____	_____
11 51 00 Library Equipment	_____	_____
11 52 00 Audio-Visual Equipment	_____	_____
11 53 00 Laboratory Equipment	_____	_____
11 61 00 Theater and Stage Equipment	_____	_____
11 65 00 Athletic and Recreational Equipment	_____	_____
11 70 00 Healthcare Equipment	_____	_____
	TOTAL	_____

DIVISION 12 – FURNISHINGS

12 20 00 Window Treatments	_____	_____
12 30 00 Casework	_____	_____
12 40 00 Furnishings and Accessories	_____	_____
12 50 00 Furniture	_____	_____
	TOTAL	_____

DIVISION 13 –SPECIAL CONSTRUCTION

13 10 00 Special Facility Components	_____	_____
13 34 00 Fabricated Engineered Structures	_____	_____
13 49 00 Radiation Protection	_____	_____
	TOTAL	_____

DIVISION 14 – CONVEYING EQUIPMENT

14 20 00 Elevators	_____	_____
14 30 00 Escalators and Moving Walks	_____	_____
14 40 00 Lifts	_____	_____
14 80 00 Scaffolding	_____	_____
	TOTAL	_____

DIVISION 21 – FIRE SUPPRESSION

21 10 00 Water-Based Fire-Suppression Systems Piping	_____	_____
21 20 00 Fire-Extinguishing Systems	_____	_____
21 30 00 Fire Pumps	_____	_____
	_____	_____

DIVISION 22 – PLUMBING

	TOTAL	_____
22 07 00 Plumbing Insulation	_____	_____
22 11 00 Facility Water Distribution	_____	_____
22 13 00 Facility Sanitary Sewerage	_____	_____
22 14 00 Facility Storm Drainage	_____	_____
22 30 00 Plumbing Equipment	_____	_____
22 40 00 Plumbing Fixtures	_____	_____
	TOTAL	_____

DIVISION 23 – HEATING, VENTILATING, & AIR-
CONDITIONING

23 05 93 Testing, Adjusting, & Balancing for HVAC	_____	_____
23 07 00 HVAC Insulation	_____	_____
23 09 00 Instrumentation & Control for HVAC	_____	_____
23 13 00 Facility Fuel-Storage Tanks	_____	_____
23 20 00 HVAC Piping and Pumps	_____	_____
23 30 00 HVAC Air Distribution	_____	_____
23 40 00 HVAC Air Cleaning Devices	_____	_____
23 50 00 Central Heating Equipment	_____	_____
23 60 00 Central Cooling Equipment	_____	_____
23 70 00 Central HVAC Equipment	_____	_____
	TOTAL	_____

DIVISION 26 – ELECTRICAL

26 09 00 Instrumentation & Control for Electrical Systems	_____	_____
26 10 00 Medium-Voltage Electrical Distribution	_____	_____
26 20 00 Low-Voltage Electrical Transmission	_____	_____
26 27 00 Low-Voltage Distribution Equipment	_____	_____
26 30 00 Facility Electrical Power Generating & Storage Equipment	_____	_____
26 40 00 Electrical and Cathodic Protection	_____	_____
26 50 00 Lighting	_____	_____
	TOTAL	_____

DIVISION 27 – COMMUNICATIONS

27 10 00	Structured Cabling	_____	_____
27 20 00	Data Communications	_____	_____
27 30 00	Voice Communications	_____	_____
27 40 00	Audio-Video Communications	_____	_____
27 50 00	Distributed Communications & Monitoring Systems	_____	_____
		TOTAL	_____

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

28 10 00	Electronic Access Control & Intrusion Detection	_____	_____
28 20 00	Electronic Surveillance	_____	_____
28 30 00	Electronic Detection and Alarm	_____	_____
28 40 00	Electronic Monitoring and Control	_____	_____
		TOTAL	_____

DIVISION 31 – EARTHWORK

31 10 00	Site Clearing	_____	_____
31 20 00	Earth Moving	_____	_____
31 31 00	Soil Treatment	_____	_____
31 32 00	Soil Stabilization	_____	_____
31 40 00	Shoring and Underpinning	_____	_____
31 50 00	Excavation Support and Protection	_____	_____
31 60 00	Special Foundations and Load- Bearing Elements	_____	_____
		TOTAL	_____

DIVISION 32 – EXTERIOR IMPROVEMENTS

32 10 00	Bases, Ballasts, and Paving	_____	_____
32 30 00	Site Improvements	_____	_____
32 90 00	Planting	_____	_____
		TOTAL	_____

DIVISION 33 – UTILITIES

33 10 00	Water Utilities	_____	_____
33 30 00	Sanitary Sewerage Utilities	_____	_____
33 40 00	Storm Drainage Utilities	_____	_____
33 50 00	Fuel Distribution Utilities	_____	_____
33 60 00	Hydronic & Steam Energy Utilities	_____	_____
33 70 00	Electrical Utilities	_____	_____
33 80 00	Communications Utilities	_____	_____
		TOTAL	_____

DIVISION 34 – TRANSPORTATION

34 00 00	Transportation	_____	_____
		TOTAL	_____

DIVISION 35 – WATERWAY AND MARINE CONSTRUCTIONS

35 00 00	Waterway and Marine construction	_____	_____
		TOTAL	_____

DIVISION 40-43 – PROCESS EQUIPMENT

DIVISION 44 – POLLUTION CONTROL
EQUIPMENT

44 40 00 Water Treatment Equipment	_____	_____
44 41 00 Packaged Water Treatment Plants	_____	_____
44 50 00 Solid Waste Control	_____	_____
	TOTAL	_____

DIVISION 45 – INDUSTRY SPECIFIC
MANUFACTURING EQUIPMENT

DIVISION 48 – ELECTRICAL POWER
GENERATION

48 10 00 Electrical Power Generation Equipment	_____	_____
48 70 00 Electrical Power Generation Testing	_____	_____
	TOTAL	_____

GRAMBLING STATE UNIVERSITY
BID SPECIFICATIONS

1. **CONTRACT MODIFICATIONS / AMMENDMENTS:** The University reserves the right to add or delete facilities from this contract. The University will provide the Contractor with adequate notice for any changes in the scope of the contract. We will negotiate an equitable contract amendment with the Contractor to document any changes to the contract.
2. **CHANGES IN THE WORK:** A Change Order is a written order to the Contractor signed by the Owner, issued after execution of the Contract, authorizing a Change in the Work or an adjustment in the Contract Sum or the Contract Time. The Contract Sum and the Contract Time may be changed only by Change Order. A Change Order signed by the Contractor indicates his agreement therewith, including the adjustment in the Contract Sum or the Contract Time. Any Change Order not signed by the Owner will be considered null and void.

The Owner, without invalidating the Contract, may order changes in the Work within the general scope of the Contract consisting of additions, deletions or other revisions, the Contract Sum and the Contract Time being adjusted accordingly. All such changes in the Work shall be authorized by Change Order, and shall be performed under the applicable conditions of the Contract Documents.

When the Change Order is negotiated it shall be fully documented and itemized as to cost, including material quantities, material costs, insurance, employee benefits, other related costs, profit and overhead, and will be process in accordance with LA R.S. 38:2222.

3. **QUALIFICATION REQUIRMENTS FOR COMPANIES SUBMITTING A BID:** All contractors submitting a bid for this contract shall meet these requirements listed below. Please include documentation in your bid submission that addresses each requirement. Submit the Bid including Unit Prices, Equipment List Breakout, executed & sworn; obtain and maintain throughout the term of the Contract, all required licenses, permits, certificates, insurances, performance and payment bonds, and agency signoffs to perform the Contract; demonstrate that it is an organization doing business for a minimum of three years prior to the Bid Opening Date; Must be an authorized dealer for all the Equipment; provide Bid Security – either a 5% percent Bid Bond.
4. **PERFORMANCE BOND LABOR AND MATERIAL PAYMENT BOND:** Performance and Payment Bonds shall be required on projects with an expected cost greater than \$50,000. Performance and Payment Bonds, when required, shall be provided in an amount of 50% of the contract price. Performance and Payments Bonds shall be required by the successful bidder.

Any surety bond required shall be written by a surety or insurance company currently on the U. S. Department of the Treasury Financial Management Service list of approved bonding companies which is published annually in the Federal Register. For any Public Works projects, no surety or insurance company shall write a bond which is in excess of the amount indicated as approved by the U. S. Department of the Treasury Financial Management Service list. The surety bond written for a Public Works project shall be written by a surety or insurance company that is currently licensed to do business in the State of Louisiana. **PLEASE NOTE THAT A BID BOND MUST BE SIGNED BY THE AGENT OR ATTORNEY-IN-FACT OF THE SURETY.**

The bidder shall require the attorney in fact who executes the required bonds on behalf of the surety to affix thereto a certified and current copy of his power of attorney indicating the monetary limit of such power.

Contractor shall be licensed and certified as required by the State of Louisiana Secretary of State, and all other applicable agencies. Documentation to be provided within five (15) days after receipt of request from the University.

Contractor awarded the bid shall provide a copy of their insurance certificate indicating proof of coverage as required in the insurance section of these bid within five (15) days from receipt of request.

5. **SUBSTITUTIONS:** Each bidder represents that his bid is based upon the materials and equipment described in the bidding documents.

6. **MANUFACTURER'S NUMBERS OR TRADE NAMES:** Where a manufacturer's product is named or specified, it is understood that "or equal" shall apply, whether stated or not. Such name and number is meant to establish the standard of quality desired and does not restrict bidders to the specific brand, make, manufacturer, or specification named; and are set forth and convey to prospective bidders the general style, type, character, and quality of product desired; and that equal products will be acceptable. Grambling State University shall be sole judge as to whether or not the material is equal to that specified.
7. **EXAMINATION OF BIDDING DOCUMENTS:** Each bidder shall examine the bidding documents carefully and, no later than seven days prior to the date for receipt of bids, shall make written request to the Owner for interpretation or correction of any ambiguity, inconsistency or error therein which he may discover. Any interpretation or correction will be issued as an Addendum by the Owner. Only a written interpretation or correction by Addendum shall be binding. No bidder shall rely upon any interpretation or correction given by any other method.
8. **INQUIRY PROCESS:** Contractors shall direct all inquiries, requests for information, requests for clarification, etc. in writing to the Grambling State University Purchasing Department. Inquiries may be emailed to Erin Walker at walkere@gram.edu. **The last day to receive inquires shall be February 13, 2025.**
9. **CONTRACT COORDINATORS FOR THE UNIVERSITY:** The University will assign a contract coordinator for this contract. The University may assign one or more University employees to supervise and or coordinate work activities to be performed under this contract. The Contractor awarded the bid shall be provided the name(s) of University employee supervisors.
10. **AWARDS:** Awards may not be made to any person, firm, or company in default of any contract. Said person, firm, or company shall be considered non-responsible bidders and may be reinstated and awards made to them only after they have given evidence of good faith and have satisfactorily completed their obligations.
11. **PUBLICIZING AWARDS:** Written notice of award shall be sent to the successful bidder. In procurement over \$50,000, each unsuccessful bidder shall be notified of the award provided that he/she submitted with his/her bid in and email requesting this information to purchasingbids@gram.edu. Notice of award will be made a part of the procurement file.
12. **RIGHT TO PROTEST:** Any person who is aggrieved in connection with the solicitation or award of a contract shall protest to the Director Purchasing. Protests with respect to a solicitation shall be submitted in writing at least (2) two days prior to the opening of bids on all matters except housing of state agencies, their personnel, operations, equipment, or activities pursuant to R.S. 39:1643 for which such protest shall be submitted at least (10) ten days prior to the opening of bids. Protests with respect to the award of a contract shall be submitted in writing within (14) fourteen days after contract award.
13. **AUTHORITY TO RESOLVE PROTESTS:** Prior to the commencement of an action in court concerning any controversy, the Director of Purchasing or his/her designee shall have the authority, to resolve the protest of any aggrieved person concerning the solicitation or award of a contract. This authority shall be exercised in accordance with regulations.
14. **REJECTION OF BIDS:** The Bidder acknowledges the right of the University to reject any or all bids and to waive any informality or irregularity in any bid received. In addition, the bidder recognizes the right of the University to reject a bid if the Bidder failed to furnish any required bid security, or to submit the data required by the bidding documents, or if the bid is in any way incomplete or irregular.
15. **NORMAL / ROUTINE SCHEDULE:** The Contractor shall provide complete services Monday thru Thursday every week, from 8:00 AM to 4:00 PM.
16. **CONTRACTOR'S LICENSE:** On any bid amounting \$50,000 or more, the Contractor shall certify that she/he is licensed under Act 377 of the 1976 Louisiana Regular Legislative Session and show the contractor license number and the bid number on the front portion of the envelope; except projects financed, partially or wholly, with Federal Funds, provided that any successful Bidder before signing Contract thereon, files application for a license and pays the fee as provided in this Act and complies with all terms and provisions of this Act and with the rules and regulations of the Licensing Board.

A subcontractor who wishes to bid or perform commercial work where the total cost of the project including labor and materials for the following must be licensed:

- \$50,000 or more for major and specialty classifications
- \$10,000 or more for electrical, mechanical, and plumbing
- \$1 or more for hazardous

17. **CONTRACTOR'S AFFIDAVIT:** In accordance with the Louisiana R.S. 38:2190 -2220, if the Contract is awarded to the successful Bidder, the Bidder shall, at the time of the signing of the Contract, execute the Contractor's Affidavit included in the Contract Documents.
18. **INTEREST:** There shall be no payment of interest on money owed.
19. **SECURITY REQUIREMENTS:** The University may allow the contractor to store tools, equipment, materials, supplies, etc. on site at University facilities, however, the University in no way warrants the security of any of this property. The Contractor shall be responsible for security of their property. The University may allow the Contractor to store tools, equipment, supplies, and materials on site at University facilities in designated storage areas. The University reserves the right to change these designated areas as needed and additionally the University is not required to provide these storage areas. The Contractor shall be required to keep all designated areas in a neat / orderly manner. The Contractor shall be required to provide insurance coverage for all equipment stored on site at Grambling. The contractor assumes all risk with storing tools, equipment, and materials on site at University facilities. The University shall not be responsible for theft, damage, or other harm to any property of the contractor securing any property.
20. **DAMAGES TO FACILITIES:** Contractor shall be responsible for all damages to the existing site, facilities, furniture, and equipment that are caused by this project. The contractor shall carefully document existing site conditions and existing damages prior to commencing work. The contractor shall repair all damage to its original, undamaged condition prior to completing this project
21. **CONTRACTOR EMPLOYEE REQUIREMENTS:** Contractor shall provide a sufficient amount of adequately trained staff to perform all required services in a timely manner.

Supervision and Professional Conduct-

The Supervisor shall be responsible for communicating work schedules with the University's designated contract coordinator.

The Supervisor shall be present at all times when any contractor personnel are working at Grambling. The contractor shall designate employees who may fill in for the supervisor if the supervisor is absent for any reason. The University shall be notified by telephone and email as soon as possible if the normal supervisor will be absent. This notification shall be made no later than one hour after the normal work day schedule begins. The contractor shall provide complete contact information for the supervisors and the personnel designated as "back up" supervisors. The contractor shall provide the supervisors with a mobile cellular phone and shall provide the University with the phone number for the cellular phone so that the University can reach the supervisor at any time.

The University reserves the right to require the contractor to remove any contract employee who is not dressed appropriately or who is not taking care of their personal hygiene from any or all buildings employed under the contract when the University deems it to be in the University's best interest. Contractor's employees shall maintain a neat, clean, and professional appearance at all times. Contractor's employees shall wear clothing identifying the name of their company. The contractor shall be responsible for furnishing a replacement employee who also shall meet all previously stated requirements in the event of sickness or absence of the regular worker and notify the University contract coordinator of that replacement.

Contractor's employees will be able to use McCall Dining Hall for lunch. Pricing varies during the summer. The contractor, sub-contractors, material suppliers, and all workers associated with the project shall use University facilities such as restrooms, break rooms, vending machines, etc. The contractor shall supply a portable restroom for their employees to use.

Contractor's employees shall adhere to the university's tobacco-free policy. See GSU's tobacco use policy for detailed information at <https://www.gram.edu/student-life/judicial-affairs/docs/Tobacco-Free%20Policy-2013-1.pdf>

22. **SUPPLIES, MATERIALS, TOOLS, AND EQUIPMENT REQUIRED FOR THIS CONTRACT:** The Contractor must provide all

supplies, materials, tools, equipment, etc. necessary to complete the requirements of this contract. In no case will the University be required to provide / supply any of these items. The tools and equipment provided shall be maintained in optimum condition at all times. Specifically, the tools and equipment provided shall include but not be limited to. Equipment and tools used for this contract shall be professional equipment / tools in good working condition. Contractor shall utilize equipment and tools that provide the least amount of interruption to normal building operations (very noisy equipment shall not be used, equipment that creates objectionable fumes shall not be used, etc.). The University reserves the right to deny the Contractor use of a certain tool or piece of equipment if the University deems that tool or piece of equipment to cause an unacceptable interruption. Contractor must have an adequate supply of appropriate equipment and tools to efficiently provide service to all facilities included in this contract. Furthermore, the Contractor must have backup equipment / tools that are immediately ready for use in the event that the normally used equipment / tool fails to operate, is lost / stolen, etc. A delay in service is not acceptable due to equipment / tool failure or loss.

23. SUPPLIES / MATERIALS: Contractor shall supply and provide all needed materials to complete the scope of services. The quality of these materials shall meet or exceed the quality of materials currently being used at these facilities. Contractors are encouraged to inspect each facility prior to submitting a bid to ensure that the quality of materials in their bid meets or exceeds the quality of materials / supplies currently used.

24. SAFETY / ENVIRONMENTAL / PUBLIC HEALTH COMPLIANCE REQUIREMENTS: The Contractor shall emphasize that safety is the most important part of this contract. The goal of the contract is to provide safe and sanitary facilities for the University community. We want to ensure that the Contractor has a proactive approach to working safely and a written safety program that their employees are trained on. Additionally, we expect the Contractor to strictly comply with all applicable rules, guidelines, laws, requirements, etc. The University shall require the Contractor to take immediate action to remedy any deficiencies / areas of non-compliance.

Occupational Safety and Health Act (OSHA) Compliance - the Contractor shall meet or exceed all OSHA requirements, rules, laws, guidelines. Environmental Protection Agency (EPA) and Louisiana Department of Environmental Quality (LDEQ) Compliance the Contractor shall meet or exceed all EPA and / or LDEQ requirements, rules, laws, guidelines, etc.

Safety Program - the Contractor shall include a copy of their written safety program with their bid submission that covers all policies and procedures that pertain to compliance with safety / OSHA requirements.

Material Safety Data Sheets (MSDS) -the Contractor must keep a printed copy of a material safety data sheet for each chemical used to complete the requirements of this contract. The MSDS must be readily available and easily accessible to all employees.

25. PAYMENTS AND COMPLETION and SUBSTANTIAL COMPLETION: The Owner will issue a NOTICE OF ACCEPTANCE for the Contractor to record with the Clerk of Court in Lincoln Parish.

26. FINAL COMPLETION AND FINAL PAYMENT: The Contract is to provide that the contractor is not to be paid more than ninety percent (90%) of the amount of the contract upon completion of the work. The Contractor shall record the NOTICE OF ACCEPTANCE with the Lincoln Parish Clerk of Court and shall furnish a CLEAR LIEN CERTIFICATE from the Clerk of Court within forty-five days after recordation of NOTICE OF ACCEPTANCE. At that time, the remaining ten percent (10%) will be paid.

29. LIQUIDATED DAMAGES: The Owner will suffer financial loss if the Project is not substantially complete on the date set forth in the CONTRACT DOCUMENTS. The Contractor (and/or Surety) shall be liable for and shall pay to the Owner Liquidated Damages for each calendar day of delay until the work is Substantially Complete.

The Completion Time stated in Consecutive Calendar Days and the Liquidated Damages stated in (\$250) two-hundred and fifty Dollars per Day are listed in the PROPOSAL FORM.

30. PRICING REQUIREMENTS: Pricing for all items shall be a complete, turnkey price and shall include but is not limited to: labor, equipment, tools, materials, supplies, insurance, permitting, taxes, and shipping.

31. TAXES: Applicable taxes are to be included in lump sum bid.

32. INVOICING / PAYMENT TERMS: The contractor will be required to submit an itemized monthly invoice, to Accounts

Payable email address acctpayable@gram.edu. Monthly payments will be made by the Agency within approximately thirty (30) days after receipt of a properly executed invoice, and approval by the Agency.

All invoices must list the following information: the contract purchase order number, dates of services performed, building name and elevator number if applicable, a brief explanation of repair including any parts replaced. Invoices submitted without the requested documentation will not be approved for payment until the required information is provided.

STANDARDIZED INSURANCE REQUIREMENTS FOR STATE AGENCY CONTRACTS

EXHIBIT A INSURANCE AND INDEMNIFICATION REQUIREMENTS FOR CONTRACTORS

The Contractor shall purchase and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, its agents, representatives, employees or subcontractors.

A. MINIMUM SCOPE AND LIMITS OF INSURANCE

1. **WORKER COMPENSATION:** Workers Compensation insurance shall be in compliance with the Workers Compensation law of the State of the Contractor's headquarters. Employers Liability is included with a minimum limit of \$500,000 per accident/per disease/per employee. If work is to be performed over water and involves maritime exposure, applicable LHWCA, Jones Act, or other maritime law coverage shall be included and the Employers Liability limit increased to a minimum of \$1,000,000. A.M. Best's insurance company rating requirement may be waived for workers compensation coverage only.
2. **COMMERCIAL GENERAL LIABILITY:** Commercial General Liability insurance, including Personal and Advertising Injury Liability, shall have a minimum limit per occurrence of \$1,000,000 and a minimum general aggregate of \$2,000,000. The Insurance Services Office (ISO) Commercial General Liability occurrence coverage form CG 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. Claims-made form is unacceptable.
3. **AUTOMOBILE LIABILITY:** Automobile Liability Insurance shall have a minimum combined single limit per occurrence of \$1,000,000. ISO form number CA 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. This insurance shall include third-party bodily injury and property damage liability for owned, hired and non-owned automobiles.

B. **DEDUCTIBLES AND SELF-INSURED RETENTIONS:** Any deductibles or self-insured retentions must be declared to and accepted by the Agency. The Contractor shall be responsible for all deductibles and self-insured retentions.

C. **OTHER INSURANCE PROVISIONS:** The policies are to contain, or be endorsed to contain, the following provisions:

1. **General Liability and Automobile Liability Coverages**

- a. The Agency, its officers, agents, employees and volunteers shall be named as an additional insured as regards negligence by the contractor. ISO Form CG 20 10 (current form approved for use in Louisiana), or equivalent, is to be used when applicable. The coverage shall contain no special limitations on the scope of protection afforded to the Agency.
- b. The Contractor's insurance shall be primary as respects the Agency, its officers, agents, employees and volunteers. Any insurance or self-insurance maintained by the Agency shall be excess and non-contributory of the Contractor's insurance.
- c. Any failure of the Contractor to comply with reporting provisions of the policy shall not affect coverage provided to the Agency, its officers, agents, employees and volunteers.
- d. The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the policy limits.
- e. All property losses caused by the actions of the Contractor shall be adjusted with and made payable to the Agency.
- f. Neither the acceptance of the completed work nor payment shall release the Contractor from the insurance requirements and indemnification agreement obligations.
- g. Additional insurance may be required on an individual basis for hazardous activities and specific service agreements. If such additional insurance is required for a specific contract, that requirement should be added to the list of required coverages found in the appropriate Exhibit.
- h. If the Contractor does not continue to comply with all of the insurance requirements at any time during the contract or at contract renewal, the Agency has the following options:
 - Payments to the Contractor may be withheld until the requirements have been met;

- The Agency may pay any renewal policy premiums and withhold such payments from any monies due the Contractor;
- The Agency may suspend, discontinue or terminate the contract.

2. **Workers Compensation and Employers Liability Coverage**

The insurer shall agree to waive all rights of subrogation against the Agency, its officers, agents, employees and volunteers for losses arising from work performed by the Contractor for the Agency.

3. **All Coverages**

- a. Coverage shall not be canceled, suspended, or voided by either party (the Contractor or the insurer) or reduced in coverage or in limits except after 30 days written notice has been given to the Agency. Ten-day written notice of cancellation is acceptable for non-payment of premium. Notifications shall comply with the standard cancellation provisions in the Contractor's policy.
- b. Neither the acceptance of the completed work nor the payment thereof shall release the Contractor from the obligations of the insurance requirements or indemnification agreement.
- c. The insurance companies issuing the policies shall have no recourse against the Agency for payment of premiums or for assessments under any form of the policies. Any failure of the Contractor to comply with reporting provisions of the policy shall not affect coverage provided to the Agency, its officers, agents, employees and volunteers.

- D. **ACCEPTABILITY OF INSURERS:** All required insurance shall be provided by a company or companies lawfully authorized to do business in the jurisdiction in which the Project is located. Insurance shall be placed with insurers with a A.M. Best's rating of A-:VI or higher. This rating requirement may be waived for workers compensation coverage only.

If at any time an insurer issuing any such policy does not meet the minimum A.M. Best rating, the Contractor shall obtain a policy with an insurer that meets the A.M. Best rating and shall submit another Certificate of Insurance as required in the contract.

- E. **VERIFICATION OF COVERAGE:** Contractor shall furnish the Agency with Certificates of insurance reflecting proof of required coverage. The Certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The Certificates are to be received and approved by the Agency before work commences and upon any contract renewal thereafter.

In addition to the Certificates, Contractor shall submit the declarations page and the cancellation provision endorsement for each insurance policy. The Agency reserves the right to request complete certified copies of all required insurance policies at any time.

Upon failure of the Contractor to furnish, deliver and maintain such insurance as above provided, this contract, at the election of the Agency, may be suspended, discontinued or terminated. Failure of the Contractor to purchase and/or maintain any required insurance shall not relieve the Contractor from any liability or indemnification under the contract.

- F. **SUBCONTRACTORS:** Contractor shall include all subcontractors as insureds under its policies OR shall be responsible for verifying and maintaining the Certificates provided by each subcontractor. Subcontractors shall be subject to all of the requirements stated herein. The Agency reserves the right to request copies of subcontractor's Certificates at any time.

- G. **WORKERS COMPENSATION INDEMNITY:** In the event Contractor is not required to provide or elects not to provide workers compensation coverage, the parties hereby agree that Contractor, its owners, agents and employees will have no cause of action against, and will not assert a claim against, the State of Louisiana, its departments, agencies, agents and employees as an employer, whether pursuant to the Louisiana Workers Compensation Act or otherwise, under any circumstance. The parties also hereby agree that the State of Louisiana, its departments, agencies, agents and employees shall in no circumstance be, or considered as, the employer or statutory employer of Contractor, its owners, agents and employees. The parties further agree that Contractor is a wholly independent contractor and is exclusively responsible for its employees, owners, and agents. Contractor hereby agrees to protect, defend, indemnify and hold the State of Louisiana, its departments, agencies, agents and employees harmless from any such assertion or claim that may arise from the performance of this contract.

- H. **INDEMNIFICATION/HOLD HARMLESS AGREEMENT:** Contractor agrees to protect, defend, indemnify, save, and hold harmless, Grambling State University, the State of Louisiana, all State Departments, Agencies, Boards and Commissions, its officers, agents, servants, employees, and volunteers, from and against any and all claims, damages, expenses, and liability arising out of injury or death to any person or the damage, loss or destruction of any property which may occur, or in any way grow out of, any act or omission of Contractor, its agents, servants, and employees, or any and all costs, expenses and/or attorney fees incurred by Contractor as a result of any claims, demands, suits or causes of action, except those claims,

demands, suits, or causes of action arising out of the negligence of Grambling State University, the State of Louisiana, all State Departments, Agencies, Boards, Commissions, its officers, agents, servants, employees and volunteers.

Contractor agrees to investigate, handle, respond to, provide defense for and defend any such claims, demands, suits, or causes of action at its sole expense and agrees to bear all other costs and expenses related thereto, even if the claims, demands, suits, or causes of action are groundless, false or fraudulent.

CERTIFICATE OF COMPLIANCE
with
Americans with Disabilities Act and Architectural Barriers Act
Accessibility Guidelines

TO: GRAMBLING STATE UNIVERSITY
GSU Box 4232
Grambling, La 71245

FROM: _____

Design Firm Name and Address

PROJECT NAME: _____

PROJECT No.: _____

SITE CODE: _____ STATE ID: _____

DATE OF ACCEPTANCE: _____

I, _____ certify that, to the best of my knowledge and belief, this project has been constructed in compliance with the Americans with Disabilities Act and Architectural Barriers Act Accessibility Guidelines as reviewed by the fire marshal.

Designer Signature Date: _____

State of Louisiana
DIVISION OF ADMINISTRATION

CERTIFICATE OF COMPLIANCE
with
Louisiana Building Code for State Owned Buildings

TO: Grambling State University
GSU Box 4262
Grambling, La 71245

FROM: _____

(Design Firm or Owner/User Name and Address)

PROJECT NAME: _____

PROJECT No.: _____

DATE OF ACCEPTANCE: _____

I, _____ certify that, to the best of my knowledge and belief, this project has been constructed in compliance with the construction documents determined to be satisfactory by the State of Louisiana, Division of Administration, Office of Facility Planning and Control.

(Signature of Designer or Owner/User) Date: _____

SUMMARY OF THE WORK

PART 1 - GENERAL

RELATED DOCUMENTS:

Drawings, general provisions of Contract, including General and Supplementary Conditions, and other Division-1 Specification Sections, apply to work of this section.

PROJECT/WORK IDENTIFICATION:

General: Project name is Installation of security doors and locks at (8) eight Residential Halls, as shown on Contract Documents prepared by Grambling State and Whittington Architects, Inc. Drawings and Specifications are dated.

The work includes construction of new masonry walls and installation of new hollow metal doors and frames; installation of aluminum and glass storefronts; hardware, card readers, electrical, fencing, etc., as shown on the drawings and as required to complete the work.

Items Provided by the Owner and Contractor Installed: None

Work Performed by Owner:

BUILDING PERMITS: Local building permits are not required for State of Louisiana owned building projects.

PLAN OF ACTION:

Submit a detailed plan of the procedures proposed for use in complying with the requirements of this specification. Include in the plan the sequencing of all work, the interface of trades involved in the performance of work, methods to be used to assure the safety of building occupants and visitors to the site, disposal plan including location of approved disposal site, and a detailed description of the methods to be employed to control pollution. The plan must be coordinated with the Architect prior to commencement of work.

INSPECTION:

Prior to commencement of work, inspect areas in which work will be performed. Prepare a listing of damage to structure, surfaces, equipment or of surrounding properties which could be misconstrued as damage resulting from the work. Photograph or videotape existing conditions as necessary to document conditions. Submit to the Architect prior to starting work. If the above submittal is not made prior to the start of work, the contractor will assume full responsibility for damaged, lost or stolen property and/or equipment discovered during or at completion of the work.

OSHA COMPLIANCE:

All requirements of OSHA including the Hazard Communications Standard must be met by the Contractor at all times.

CONTRACTOR USE OF PREMISES:

General: The Contractor shall limit his use of the premises to the work indicated, so as to allow for Owner occupancy and use by the public.

Use of the Site: Confine operations at the site to the areas permitted under the Contract. Portions of the site beyond areas on which work is indicated are not to be disturbed. Conform to site rules and regulations affecting the work while engaged in project construction.

Keep existing driveways and entrances serving the premises clear and available to the Owner and his employees at all times. Do not use these areas for parking or storage of materials.

Do not unreasonably encumber the site with materials or equipment. Confine stockpiling of materials and location of storage sheds to the areas indicated. If additional storage is necessary obtain and pay for such storage off site.

Lock automotive type vehicles, such as passenger cars and trucks and other mechanized or motorized construction equipment, when parked and unattended, so as to prevent unauthorized use. Do not leave such vehicles or equipment unattended with the motor running or the ignition key in place or accessible to unauthorized persons.

OWNER OCCUPANCY:

Full Owner Occupancy: The Owner, ie. Students, will occupy the site and existing adjacent buildings during the entire period of construction. Cooperate fully with the Owner or his representative during construction operations to minimize conflicts and to facilitate Owner usage. Perform the work so as not to interfere with the Owner's operation.

SUBMITTALS

Before the Start of Work: Submit the following to the Architect for review. Do not begin work until these submittals are returned with Owner's Representative's action stamp indicating that the submittal is returned for unrestricted use or final-but-restricted use.

Plan of Action: Submit as a written report in the same manner as product data.

Inspection: Report on inspection carried out as required by this section. Include copies of all photographs, video tapes, etc. Submit in the same manner as product data.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

Work Sequence:

It is the intent of the University to award a contract to the lowest responsible contractor as long as the bid is within the budget and Contractor provides all necessary items for execution of the contract.

The successful Bidder shall furnish properly executed contracts, specified certificates of insurance, and bonds must be returned to the University within 15 working days of notice of award or University may declare bidder non-responsible and award to next lowest qualified bid.

COMPLETION TIME: The Bidder hereby agrees to commence work under this Contract on a date specified in a written "Notice To Proceed" by the Owner and to fully complete the project within (180) consecutive calendar days thereafter, or within the time as may be extended as stipulated in the Contract Documents.

LIQUIDATED DAMAGES: The Bidder hereby also agrees to pay as Liquidated Damages the sum of Three Hundred Dollars (\$300.00) for each consecutive calendar day which the work is not complete beginning with the first day beyond the completion time stated above.

END OF SECTION

SECTION 01025 - APPLICATIONS FOR PAYMENT

PART 1 - GENERAL

RELATED DOCUMENTS

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

SUMMARY

This Section specifies administrative and procedural requirements governing the Contractor's Applications for Payment.

Coordinate the Schedule of Values and Applications for Payment with the Contractor's Construction Schedule, List of Subcontracts, and Submittal Schedule.

The Contractor's Construction Schedule and Submittal Schedule are included in Section "Submittals".

SCHEDULE OF VALUES

Coordinate preparation of the Schedule of Values with preparation of the Contractor's Construction Schedule.

Correlate line items in the Schedule of Values with other required administrative schedules and forms, including:

- Contractor's Construction Schedule.
- Application for Payment Form.
- List of Subcontractors.
- Schedule of Alternates.
- List of Products.
- List of Principal Suppliers and Fabricators.
- Schedule of Submittals.

Submit the Schedule of Values to the Architect at the earliest feasible date, but in no case later than 7 days before the date scheduled for submittal of the initial Application for Payment.

Form: The schedule of values will be submitted on AIA Document G702 "Application and Certificate for Payment" or other prior approved form.

Format and Content: Use the Project Manual Table of Contents as a guide to establish the format for the Schedule of Values.

Identification: Include the following Project identification on the Schedule of Values:

- Project name and location.
- Name of the Architect.
- Project number.
- Contractor's name and address.
- Date of submittal.

Provide a breakdown of the Contract Sum in sufficient detail to facilitate continued evaluation of Applications for Payment and progress reports. Break principal subcontract amounts down into several line items. Each item shall include a directly proportional amount of the contractor's overhead and profit. For items on which progress payments will be requested for stored materials, break down the value into:

- A. The cost of the material, delivered and unloaded with taxes paid.
- B. The total installed value.

Round amounts off to the nearest whole dollar; the total shall equal the Contract Sum.

APPLICATIONS FOR PAYMENT

See General Conditions of the Contract. Each Application for Payment shall be consistent with previous applications and payments as certified by Architect and paid for by Owner.

Payment Application Times: Each progress payment date is as indicated in the Agreement. The period of construction Work covered by each Application or Payment is the period indicated in the Agreement.

Payment Application Forms: Use AIA Document G 702 and Continuation Sheets G 703 as the form for Application for Payment, or similar approved document.

Application Preparation: Complete every entry on the form, including notarization and execution by person authorized to sign legal documents on behalf of the Owner. Incomplete applications will be returned without action.

Entries shall match data on the Schedule of Values and Contractor's Construction Schedule. Use updated schedules if revisions have been made.

Include amounts of Change Orders and Construction Change Directives issued prior to the last day of the construction period covered by the application.

Transmittal: Submit 3 executed copies of each Application for Payment to the Architect by means ensuring receipt within 24 hours; one copy shall be complete, including waivers of lien and similar attachments, when required.

Transmit each copy with a transmittal form listing attachments, and recording appropriate information related to the application in a manner acceptable to the Architect.

Application for Payment at Substantial Completion: Following issuance of the Certificate of Substantial Completion, submit an Application for Payment; this application shall reflect any Certificates of Partial Substantial Completion issued previously for Owner occupancy of designated portions of the Work.

Administrative actions and submittals that shall proceed or coincide with this application include: Occupancy

permits and similar approvals.

Warranties (guarantees) and maintenance agreements.

Test/adjust/balance records.

Maintenance instructions.

Meter readings.

Start-up performance reports.

Change-over information related to Owner's occupancy, use, operation and maintenance.

Final cleaning.

Application for reduction of retainage, and consent of surety.

Advice on shifting insurance coverages.

Final progress photographs.

List of incomplete Work, recognized as exceptions to Owner's Representative Certificate of Substantial Completion.

Final Payment Application: Administrative actions and submittals which must precede or coincide with submittal of the final payment Application for Payment include the following:

Completion of Project closeout requirements.

Completion of items specified for completion after Substantial Completion.

Assurance that unsettled claims will be settled.

Assurance that Work not complete and accepted will be completed without undue delay. Transmittal of required Project construction records to Owner.

Certified property survey.

Disposal receipts, bills of lading and other required documentation of transportation and disposal of asbestos-containing waste.

Proof that taxes, fees and similar obligations have been paid. Removal of temporary facilities and services.

Removal of surplus materials, rubbish and similar elements.

Copy of the contractor's final report including daily reports and air monitoring.

PART 2 - PRODUCTS (Not Applicable).

PART 3 - EXECUTION (Not Applicable).

END OF SECTION

SECTION - PROJECT COORDINATION

PART 1 - GENERAL

RELATED DOCUMENTS:

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

SUMMARY

This Section specifies administrative and supervisory requirements necessary for Project coordination including, but not necessarily limited to:

Administrative and Supervisory Personnel.

Progress Meetings

Pre-Construction Conference Daily

Log

Special Reports.

Contingency Plans

Notifications to Other Entities at Job Site.

Requirements for the Contractor's Construction Schedule are included in Section "Submittals".

ADMINISTRATIVE AND SUPERVISORY PERSONNEL:

General Superintendent: Provide a full-time General Superintendent who is experienced in administration and supervision of projects of this scope including work practices, protective measures for building and personnel, disposal procedures, etc. This person is the Contractor's Representative responsible for compliance with all applicable federal, state and local regulations.

Experience and Training: The General Superintendent must have had a minimum of five (5) years on-the-job training on construction projects. Provide resume of superintendent with project submittals. Superintendent is to remain on the project until completion of all punch list items. Changes in Superintendent require written approval of Architect.

PROGRESS MEETINGS:

General: In addition to specific coordination and pre-installation meetings for each element of work, and other regular project meetings held for other purposes, Owner's Representative will hold general progress meetings as required. These meeting will be scheduled, where possible, at time of preparation of payment request. Require each entity then involved in planning, coordination or performance of work to be properly represented at each meeting.

PRE-CONSTRUCTION CONFERENCE:

An initial progress meeting, recognized as "Pre-Construction Conference" will be convened by the Owner's Representative prior to start of any work. Meet at project site, or as otherwise directed with General Superintendent, Owner, Owner's Representative, Project Administrator, and other entities concerned with the work.

72 hours advance notice will be provided to all participants prior to convening Pre-Construction Conference.

This is an organizational meeting, to review responsibilities and personnel assignments of all parties involved in the work. All parties shall have reviewed the requirements of the work and be prepared to bring up any and all items that may result in construction problems or change orders.

DAILY LOG:

Daily Log: Maintain within the Contractors job shack a daily log documenting the dates and time of but not limited to, the following items:

Meetings; purpose, attendees, brief discussion

Visitations; authorized and unauthorized

Personnel; by name, entering and leaving the work area Special or

unusual events, accidents

Upkeep of Record Drawings and Specifications Work

Progress Schedule

Make available a copy of this log to Project Administrator on a daily basis or as requested. Submit

copies of this log at final closeout of project as a project close- out submittal.

SPECIAL REPORTS:

General: Except as otherwise indicated, submit special reports directly to Owner within one day of occurrence requiring special report, with copy to the Architect and others affected by occurrence.

Reporting Unusual Events: When an event of unusual and significant nature occurs at site, prepare and submit a special report listing chain of events, persons participating, response by Contractor's personnel, evaluation of results or effects, and similar pertinent information.

Reporting Accidents: Prepare and submit reports of significant accidents at site and anywhere else work is in progress. Record and document data and actions; comply with industry standards. For this purpose, a significant accident is defined to include events where personal injury is sustained, property loss of substance is sustained, or where the event posed a significant threat of loss or personal injury.

Report Discovered Conditions: When an unusual condition of the building is discovered during the work (e.g. leaks, termites, corrosion) prepare and submit a special report indication condition discovered.

CONTINGENCY PLAN:

Contingency Plan: Prepare a contingency plan for emergencies including fire, accident, power failure, or any other event that may cause a threat to persons and property.

Post: in the job shack telephone numbers and locations of emergency services including but not limited to fire, ambulance, doctor, hospital, police, power company, telephone company.

NOTIFICATIONS

Notify other entities at the job site of the nature of the asbestos abatement activities, location of asbestos-containing materials, requirements relative to asbestos set forth in these specifications and applicable regulations.

Notify emergency service agencies including fire, ambulance, police or other agency that may service the abatement work site in case of an emergency. Notification is to include methods of entering work area, emergency entry and exit locations, modifications to fire notification or fire fighting equipment, and other information needed by agencies providing emergency services.

Notifications of Emergency: Any individual at the job site may notify emergency service agencies if necessary without effect on this Contract or the Contract Sum.

Notification Required by OSHA: Hazard Communication Act for Construction Projects. Have all required MSDS information readily available.

SUBMITTALS

Before the Start of Work: Submit the following to the Architect for review. No work shall begin until these submittals are returned with the Architect's action stamp indicating that the submittal is returned for unrestricted use or final-but-restricted use.

Contingency Plans: for emergency actions.

Telephone Numbers: and location of emergency services.

Notifications: sent to other entities at the work site.

Notifications: sent to emergency service agencies.

Resume: of general superintendent.

Accreditation: submit evidence in form of training course certificate of accreditation of the Competent Person as an asbestos abatement supervisor.

Staff Names: Within 10 days of Notice to Proceed, submit a list of the Contractor's principal staff assignments, including the Superintendent and other personnel in attendance at the site; identify individuals, their duties and responsibilities; list their addresses and telephone numbers.

Post copies of the list in the project meeting room, the temporary field office, and each temporary telephone.

Subcontractors/Supplier Staff Names: Within 30 days of Notice to Proceed, submit a list of the

Subcontractors and material suppliers including the project foreman and other personnel in attendance at the site; identify individuals, their duties and responsibilities; list their addresses and telephone numbers. Post copies of the list in the project meeting room, the temporary field office, and each temporary telephone.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Non-Applicable)

END OF SECTION

SECTION - SUBMITTALS

PART 1 - GENERAL

RELATED DOCUMENTS

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

SUMMARY

This Section specifies administrative and procedural requirements for submittals required for performance of the Work, including:

- Contractor's construction schedule.
- Submittal schedule.
- Daily construction reports.
- Shop Drawings.
- Product Data.
- Samples.
- Miscellaneous Submittals

Administrative Submittals: Refer to other Division-1 Sections and other Contract Documents for requirements for administrative submittals. Such submittals include, but are not limited to:

- Permits
- Applications for payment
- Maintenance, Performance and Payment bonds
- Insurance certificates
- List of Subcontractors

SUBMITTAL PROCEDURES

Coordination: Coordinate preparation and processing of submittals with performance of construction activities. Transmit each submittal sufficiently in advance of performance of related construction activities to avoid delay.

Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals and related activities that require sequential activity.

Coordinate transmittal of different types of submittals for related elements of the work so processing will not be delayed by the need to review submittals concurrently for coordination.

The Owner's Representative reserves the right to withhold action on a submittal requiring coordination with other submittals until related submittals are received.

Submittal Preparation: Place a permanent label or title block on each submittal for identification. Indicate the name of the entity that prepared each submittal on the label or title block.

Submittal Transmittal: Package each submittal appropriately for transmittal and handling. Transmit each submittal from Contractor to Owner's Representative using a transmittal form. Submittals received from sources other than the Contractor will be returned without action.

CONTRACTOR'S CONSTRUCTION SCHEDULE

Schedule: Provide proposed detailed schedule including work dates, work shift time, number of employees, dates of start and completion including dates of preparation work, removals and final inspection dates.

Critical Path: The construction schedule shall set forth each segment of the work on a critical path of events and material delivery dates. This schedule shall show activities that are dependent upon each other and the longest path for completion of those activities.

Indicate completion in advance of the date established for Substantial Completion. Indicate Substantial Completion on the schedule to allow time for the Owner's Representative's procedures necessary for certification of Substantial Completion.

Area Separations: Provide a separate time bar to identify each part of the work or major construction area for each major portion of the work. Indicate where each element in an area must be sequenced or integrated with other activities.

SUBMITTAL SCHEDULE

Listing: At the end of this section is a listing of the principal submittals required for the work. This listing is not necessarily complete, nor does the listing reflect the significance of each submittal requirement. The listing is included only for the convenience of users of the Contract Documents.

SHOP DRAWINGS

Submit newly prepared information, drawn to accurate scale. Highlight, encircle, or otherwise indicate deviations from the Contract Documents. Do not reproduce Contract Documents or copy standard information as the basis of Shop Drawings. Standard information prepared without specific reference to the Project is not considered Shop Drawings.

Shop Drawings include fabrication and installation drawings, schedules, and similar drawings. Include the following information:

- Dimensions.
- Identification of products and materials included.
- Compliance with specified standards.
- Notation of coordination requirements.
- Notation of dimensions established by field measurement.

USE OF ARCHITECTS ELECTRONIC CAD FILES

The contractor and its sub-contractors will have limited use of the architect's electronic cad files. All drawings are in AutoCAD.dwg format.

Drawing files will be issued at the discretion of the architect and only after an Indemnification Agreement has been executed between the Architect and requestor (Contractor or subcontractor). The intent of this is to facilitate the contractor in expediting the preparation of shop drawings by using the architects base floor plan drawings. However, the responsibility lies with the contractor and the subcontractor to verify actual conditions and by signing the Indemnification Agreement, the requestor holds the architect and its consultants harmless from dimensional discrepancies, changes in the conditions, etc.

A processing charge of \$300.00 per electronic drawing file will be assessed and is due with the executed Indemnification Agreement. Electronic files will be issued on writeable only Compact Disc medium.

Sheet Size: Submit Shop Drawings on sheets at least 8-1/2" x 11" but no larger than 24" x 36".

Initial Submittal: Submit one correctable translucent reproducible print and one blue- or black-line print for the Owner's Representative's review; the reproducible print will be returned. Unless non-compliance with contract document provisions is observed, the submittal may serve as the final submittal. If reproducible are not appropriate, submit five copies for review.

One of the prints returned shall be marked-up and maintained as a "Record Document".

Do not use Shop Drawings without an appropriate final stamp indicating action taken in connection with construction.

Coordination drawings are a special type of Shop Drawing that show the relationship and integration of different construction elements that require careful coordination during fabrication or installation to fit in the space provided or function as intended.

Preparation of coordination Drawings is specified in section "Project Coordination" and may include components previously shown in detail on Shop Drawings or Product Data.

Submit coordination Drawings for integration of different construction elements. Show sequences and relationships of separate components to avoid conflicts in use of space.

PRODUCT DATA

Collect Product Data into submittals in accordance with Specification sections. Product Data includes printed information such as manufacturer's installation instructions, catalog cuts, standard wiring diagrams and performance curves. Where Product Data must be specially prepared because standard printed data is not suitable for use, submit as "Shop Drawings."

Mark each copy to show applicable choices and options. Where printed Product Data includes information on several products, some of which are not required, mark copies to indicate the applicable information. Include the following information:

- Manufacturer's printed recommendations.
- Compliance with recognized trade association standards.
- Compliance with recognized testing agency standards.
- Application of testing agency labels and seals.
- Notation of dimensions verified by field measurement. Notation of coordination requirements.

Do not submit Product Data until compliance with requirements of the Contract Documents has been confirmed.

Submittals (Product Data): Submit 5 copies of each required submittal. The Owner's Representative will retain two, and will return the three marked with action taken and corrections or modifications required.

Unless noncompliance with Contract Document provisions is observed, the submittal may serve as the final submittal.

Distribution: Furnish copies of final submittal to installers, subcontractors, suppliers, manufacturers, fabricators, and others required for performance of construction activities. Show distribution on transmittal forms.

Do not proceed with installation until an applicable copy of Product Data applicable is in the installer's possession.

Do not permit use of unmarked copies of Product Data in connection with construction.

Products requiring testing agency labels and seals shall have separate submittal data from that testing agency. Manufacturer's printed literature does not meet this requirement.

SAMPLES

Submit full-size, fully fabricated Samples cured and finished as specified and physically identical with the material or product proposed. Samples include partial sections of manufactured or fabricated components, cuts or containers of materials.

Generic description of the Sample.
Sample source.
Product name or name of manufacturer.
Compliance with recognized standards.
Availability and delivery time.

Submit Samples for review of kind, and for a comparison of these characteristics between the final submittal and the actual component as delivered and installed.

Refer to other Specification Sections for requirements for Samples that illustrate workmanship, fabrication techniques, details of assembly, connections, operation and similar construction characteristics.

Field Samples specified in individual Sections are special types of Samples. Field Samples are full-size examples erected on site to illustrate finishes, coatings, or finish materials and to establish the standard by which the Work will be judged.

Comply with submittal requirements to the fullest extent possible. Process transmittal forms to provide a record of activity.

MISCELLANEOUS SUBMITTALS:

Material Safety Data Sheets: Process material safety and data sheets as "product data."

Records of Actual Work: Furnish 4 copies of records of actual work, one of which will be returned for inclusion in the record documents as specified in section "Project Closeout".

Closeout Submittals: Refer to section "Project Closeout" and to individual sections of these specifications for specific submittal requirements of project closeout information.

Record Documents: Furnish set of original documents as maintained on the project site. Along with original marked-up record drawings provide 2 photographic copies of marked-up drawings, which, at the Contractor's option, may be reduced to not less than half size. See Section for other requirements.

CONTRACTOR'S ACTION

The Contractor shall stamp each Shop Drawing and Product Data submittal. Submittal received without the Contractor's stamp and signature will not be accepted. The Contractor shall certify to the review of the submittal verification of product, field measurements and field construction criteria and coordination of the information within the submittal for compliance with the Contract.

ARCHITECT'S ACTION

Except for submittals for record, information or similar purposes, where action and return is required or requested, the Owner's Representative will review each submittal, mark to indicate action taken, and return promptly.

Compliance with specified characteristics is the Contractor's responsibility.

Action Stamp: The Architect will stamp each submittal with a uniform, self-explanatory action stamp. The stamp will be appropriately marked, as follows, to indicate the action taken:

Reviewed: This block marked states that the submittal for that part of the work may proceed provided it complies with requirements of the contract documents; final acceptance will depend upon that compliance.

Furnish As Corrected: This block marked states that the submittal for that part of the work has been reviewed with corrections noted by the architect and may proceed provided it complies with requirements of the contract documents; final acceptance will depend upon that compliance.

Revise and Resubmit: This block marked states that the submittal was found to not be in compliance with the contract documents. Resubmittal with appropriate corrections is required.

Submit Specified Item: This block marked states that only the specified item will be required.

Rejected - See Remarks: This block marked states, the submittal is not in compliance with the contract documents.

PART 2 - PRODUCTS (Not Applicable).

PART 3 - EXECUTION (Not Applicable).

END OF SECTION

SECTION - CONSTRUCTION FACILITIES & TEMPORARY CONTROLS

PART 1 - GENERAL

RELATED DOCUMENTS:

Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division-1 Specification sections, apply to this section.

ELECTRICAL UTILITIES:

The contractor may use the electrical system located at the buildings for all necessary work to complete this project. Utility cost will be covered by the University.

PROTECTIONS OF PERSONS AND PROPERTY:

The contractor will be responsible for protection of the work, persons and property during the contract period.

TEMPORARY TOILET FACILITIES:

The contractor shall provide and maintain in sanitary condition portable prefabricated chemical type toilets with proper enclosures. He shall remove them at completion of the project and leave the premises clean and sanitary.

TREE AND PLANT PROTECTION:

The contractor will be responsible for any and all damage to any trees to remain on the site. If a tree is damaged he shall make a written report to be delivered to the Architect. This report will describe the type, size and location of the tree and the amount of damage. All damage shall be repaired as soon as possible by an expert in plant care. The contractor will assume all cost for the protection of major trees near construction. The contractor will construct wood barricades around the trees.

SITE LOCATIONS OF TEMPORARY FACILITIES & STORAGE:

The Contractor shall verify with the Architect the site locations for all temporary construction, storage, and facilities.

WEATHER PROTECTION:

The contractor shall provide all weather protection to protect the work and materials against inclement weather including cold, heat and dampness. The method of protection shall be acceptable to the architect.

CLEAN UP:

At all times during the construction the premises will be kept free of accumulations of waste material and rubbish. All materials will be stacked neatly and in accordance with proper storage of the materials.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION

SECTION - PROJECT CLOSEOUT

PART 1 - GENERAL

RELATED DOCUMENTS

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

SUMMARY

This Section specifies administrative and procedural requirements for project closeout, including but not limited to:

- Inspection procedures.
- Project record document submittal.
- Submittal of warranties.
- Final cleaning.

Closeout requirements for specific construction activities are included in the appropriate Sections in Divisions-2 through -16.

SUBSTANTIAL COMPLETION

Preliminary Procedures: Before requesting inspection for certification of Substantial Completion, complete the following. List exceptions in the request.

General: When Contractor considers work is substantially complete, he shall submit to Architect:

- A written notice that work, or designated portion thereof, is substantially complete.
- A list of items to be completed or corrected and a dollar value assigned to each item of work.

Other Requirements:

See Supplementary Conditions

In the Application for Payment that coincides with, or first follows, the date Substantial Completion is claimed, show 100 percent completion for the portion of the work claimed as substantially complete. Include supporting documents for completion as indicated in these Contract Documents and a statement showing an accounting of changes to the Contract Sum.

If 100 percent completion cannot be shown, include a list of incomplete items, the value of incomplete construction, and reasons the work is not complete.

Advise Owner of pending insurance change over requirements.

Submit specific warranties, workmanship bonds, maintenance agreements, final certifications and similar documents.

Obtain and submit releases enabling the Owner unrestricted use of the Work and access to services and utilities; include occupancy permits, operating certificates and similar releases.

Submit record drawings, damage or settlement survey, and similar final record information.

Complete start up testing of systems. Discontinue or change over and remove temporary facilities from the site, along with construction tools, and similar elements.

Complete final clean up requirements, including touch up painting. Touch up and otherwise repair and restore marred exposed finishes.

Inspection Procedures: On receipt of a written request for inspection, from the contractor, the Architect will either proceed with inspection or advise the Contractor of unfilled requirements. The Architect will prepare the Certificate of Substantial Completion following inspection, or advise the Contractor of construction that must be completed or corrected before the certificate will be issued.

The Architect will repeat inspection when requested and assured that the work has been substantially completed.

Results of the completed inspection will form the basis of requirements for final acceptance.

FINAL ACCEPTANCE

Preliminary Procedures: Before requesting final inspection for Certification of Final Acceptance and Final Payment, complete the following. List exceptions in the request.

Submit the Final Payment Request with releases and supporting documentation not previously submitted and accepted. Include Certificates of Insurance for products and completed operations where required.

Submit an updated final statement, accounting for final additional changes to the Contract Sum.

Submit a certified copy of the Owner's Representative's final inspection list of items to be completed or corrected, stating that each item has been completed or otherwise resolved for acceptance, and the list has been endorsed and dated by the Owner's Representative.

Submit consent of surety to Final Payment.

Submit a final liquidated damages settlement statement.

Submit evidence of final, continuing insurance coverage complying with insurance requirements.

FINAL ADJUSTMENT OF ACCOUNTS:

General: Submit a final statement of accounting to Architect.

Form: Statement shall reflect all adjustments to the Contract sum:

The original Contract Sum.

Additions and deductions resulting from: Previous
Change Orders.
Allowances.
Unit Prices.
Deductions for uncorrected work.
Deductions for liquidated damages.
Deductions for reinspection payments.
Other adjustments.

Total Contract Sum, as adjusted.
Previous payments.
Sum remaining due.

Final Adjustment: Architect will prepare a final Change Order, reflecting approved adjustments to Contract Sum which were not previously made by Change Orders.

FINAL APPLICATION FOR PAYMENT:

General: Contractor shall submit Final Application for Payment in accordance with procedures and requirements stated in Conditions of Contract.

Reinspection Procedure: The Architect will reinspect the Work upon receipt of notice that the Work, including inspection list items from earlier inspections, has been completed, except items whose completion has been delayed because of circumstances acceptable to the Architect.

Upon completion of reinspection, the Architect will prepare a Certificate of Final Acceptance, or advise the Contractor of work that is incomplete or of obligations that have not been fulfilled but are required for Final Acceptance.

If necessary, reinspection will be repeated.

REINSPECTION FEES:

General: Should the Architect perform reinspection's due to failure of Work to comply with claims of status of completion made by Contractor.

The Owner will compensate the Architect for such additional services.
The Owner will deduct amount of such compensation from final payment to the Contractor.

RECORD DOCUMENT SUBMITTALS

General: Do not use record documents for construction purposes; protect from deterioration and loss in a secure, fire-resistive location; provide access to record documents for the Owner's Representative's reference during normal working hours.

Record Drawings: Maintain a clean, undamaged set of blue or black line white-prints of Contract Drawings and Shop Drawings. Mark the set to show the actual installation where the installation varies substantially from the work as originally shown. Mark whichever drawing is most capable of showing conditions fully and accurately; where Shop Drawings are used, record a cross-reference at the corresponding location on the Contract Drawings. Give particular attention to concealed elements that would be difficult to measure and record at a later date.

Mark record sets with red erasable pencil; use other colors to distinguish between variations in separate categories of the work.

Mark new information that is important to the Owner, but was not shown on Contract Drawings or Shop Drawings.

Note related Change Order numbers where applicable.

Organize record drawing sheets into manageable sets, bind with durable paper cover sheets, and print suitable titles, dates and other identification on the cover of each set.

Drawings: Legibly mark to record actual construction:

Depths of various elements of foundation in relation to finish first floor datum.

Horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.

Location of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of structure.

Field changes of dimension and detail.

Changes made by Field Order or by Change Order. Details

not on original Contract Drawings.

SPECIAL NOTE:

Furnish a set of original documents as maintained on the project site. Along with original marked-up record drawings, provide two (2) photographic copies of the record drawings, which at the Contractor's option may be reduced to not less than half size.

Record Specifications: Maintain one complete copy of the Project Manual, including addenda, and one copy of other written construction documents such as Change Orders and modifications issued in printed form during construction. Mark these documents to show substantial variations in actual work performed in comparison with the text of the Specifications and modifications. Give particular attention to substitutions, selection of options and similar information on elements that are concealed or cannot otherwise be readily discerned later by direct observation. Note related record drawing information and Product Data.

Upon completion of the work, submit record Specifications to the Architect for the Owner's records.

Specifications and Addenda: Legibly mark each Section to record:

Manufacturer, trade name, catalog number, and Supplier of each Product and item of equipment actually installed.

Changes made by Field Order or by Change Order.

Record Product Data/Shop Drawings: Maintain one copy of each Product Data submittal. Mark these documents to show significant variations in the actual work performed in comparison with information submitted. Include variations in products delivered to the site, and from the manufacturer's installation instructions and recommendations. Give particular attention to concealed products and portions of the work which cannot otherwise be readily discerned later by direct observation. Note related Change Orders and mark up of record Drawings and Specifications.

Upon completion of mark up, submit complete set of record Product Data to the Architect for the Owner's records. All record product data and shop drawings shall be placed in a three-ring binder and divided into sections as they apply to the specification manual.

Documents Reviewed and Signed by all Government Agencies: These documents must be kept in a safe place by the Contractor during construction. These documents are not to be used for construction other than reference. Do not mark on these documents. With the final submittal of record documents these documents must be included.

Operating and Maintenance Data: Submit to Architect at completion of Project following Operating and Maintenance Data:

Compile product data and related information appropriate for Owner's maintenance and operation of products furnished under Contract.

Provide three sets of 3-ring binders containing operating and maintenance data as specified in other pertinent sections of Specifications.

Provide this same information digitally on CD-ROM in PDF, Excel, and/or Word format as applicable to each separate operating and maintenance data type.

Instructing Owner's Personnel:

Instruct Owner's personnel in maintenance of products and in operation of equipment and systems. This shall be arranged as a series of meetings between the Contractor and the Owner for review of all projects and systems for turn over to the Owner.

Miscellaneous Record Submittals: Refer to other Specification Sections for requirements of miscellaneous record keeping and submittals in connection with actual performance of the work. Immediately prior to the date or dates of Substantial Completion, complete miscellaneous records and place in good order, properly identified and bound or filed, ready for continued use and reference. Submit to the Architect for the Owner's records.

Warranties and Service Contracts: Submit to Architect in accordance with requirements of - "Warranties and Lists."

Spare Parts and Maintenance Materials: Submit Lists to Architect in accordance with requirements of "Warranties and Lists."

Evidence of Payment and Release of Liens: Submit to Architect in accordance with requirements of - "General Conditions of the Contract" and - "Warranties and Lists."

Certificate of Insurance for Products and Completed Operations: Submit to Architect in accordance with requirements of - "General Conditions of the Contract"

Keys and Keying Schedule: Submit to Architect in accordance with requirements of - "Finish Hardware."

Record Survey: Provide final certified survey as noted.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

FINAL CLEANING: See Section - Cleaning

END OF SECTION

SECTION

BUILDING DEMOLITION

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Removal of existing fencing, and concrete, etc., as shown on the drawings and as necessary to construct the new components.

1.2 SUBMITTALS

- A. Submittals for Review:
 - 1. Shop Drawings: Indicate areas for demolition, removal sequence and location of salvageable items, and location and construction of temporary work.

1.3 REGULATORY REQUIREMENTS

- A. Conform to applicable code for demolition work, safety of structure, and dust control.
- B. Obtain required permits from authorities.
- C. Notify affected utility companies before starting work and comply with their requirements.
- D. Conform to applicable codes when hazardous or contaminated materials are discovered.
- E. Do not close or obstruct exits.
- F. Do not disable or disrupt building fire or life safety systems without [3] THREE days prior written notice to Owner.

1.4 PROJECT CONDITIONS

- A. Minimize interference with streets, walks, public right-of-ways, and adjacent facilities.
- B. If hazardous materials are discovered, notify Architect and await instructions.
- C. If any of the following conditions are encountered, cease work immediately, notify Architect, and await instructions:
 - 1. Structure is in danger of movement or collapse.
 - 2. Materials or conditions encountered differ from those designated in the Contract Documents.

PART 2 PRODUCTS

Not used

PART 3 EXECUTION

3.1 PREPARATION

- A. Erect temporary partitions, barricades, warning devices, and controls.
- B. Provide protective coverings, shoring, bracing, and supports for construction designated to remain.
- C. Temporarily or permanently disconnect utilities as required.

3.2 DEMOLITION

- A. Remove existing construction to extent indicated and as necessary, such as fencing, concrete, etc., to join new work to existing. Do not remove more than is necessary to allow for new construction.
- B. Do not damage work designated to remain.
- C. Minimize noise and spread of dirt and dust.
- D. Assign work to trades skilled in procedures involved.
- E. Plug ends of disconnected utilities with threaded or welded caps.
- F. Protect and support active utilities designated to remain. Post warning signs showing location and type of utility and type of hazard.
- G. Store items designated to remain property of Owner where directed by Owner.
- H. Remove and dispose of waste materials off site.

END OF SECTION

SECTION - CONCRETE WALKS and FOOTINGS

PART 1 -- GENERAL

1.1 WORK

- A. Provide work as shown on the Drawings and specified herein.
- B. Provide all materials, equipment, and labor required to complete the work as drawn and specified.
- C. Related work includes excavation, trenching, utilities, grading and compaction as required.

1.2 QUALITY STANDARDS

- A. Provide experienced, well-trained workers competent to complete the work as specified.
- B. Unless approved by the Architect, provide all related products and accessories from one manufacturer.
- C. Use materials from manufacturers and suppliers specified or approved by the Architect.
- D. All work shall comply with governing building and safety codes.

PART 2 -- MATERIALS

2.1 CONCRETE

- A. Concrete mixing and tests to assure compliance with standards as per CI 301. Provide concrete ready-mixed in compliance with ASTM C 94. On-site mixed concrete will conform to ASTM C 685. Concrete strength will conform to ACI 301, 318, and applicable building code requirements. 3000PSI Concrete.
- B. Add air-entraining admixture as required to protect concrete exposed to exterior weather. Admixture proportions as per ACI 301, ACI 318, and manufacturer's instructions.
- C. Provide metal or wood formwork for borders and curbs with profiles to match detail Drawings. Earth forms are not allowed for paving.
- D. Reinforcing shall comply with ACI 301 and related ACI, CRSI, and ASTM standards. Deformed bars for number 3 and larger unless shown otherwise on Drawings. No. 10 welded wire mesh, plain type in coiled rolls, unfinished.
- E. Sub-base aggregate to depth shown in Drawings. Maximum size is 3/4", compacted to 95%.

PART 3 -- CONSTRUCTION AND INSTALLATION

3.1 PREPARATION

- A. Examine site conditions and correct any conditions detrimental to the work.

- B. Install related work before concrete pour, and protect from damage.
- C. Keep pour area free of scraps, trash, and organic matter.
- D. Secure screed boards against displacement during pour. Install screed boards at correct height for paving thickness. Use redwood or preservative-treated wood for screeds, border boards, and joint boards. Brace formwork to maintain work at the lines and grades shown on the Drawings.

3.2 CONCRETE MIX AND PLACEMENT

- A. Place concrete according to ACI 301. Don't allow trucks to wait beyond time limits before pour. Don't allow unauthorized watering; do not over-water. Don't permit segregation. Verify that visual slump is correct. Keep pour area free of scraps, trash, and organic matter.
- B. Construct reinforcing as detailed with clearances to allow concrete flow. Reinforcing must be free of loose scale, clean of dirt or grease, and secure against dislocation during concrete pour. Don't allow reinforcing to be in contact with dissimilar metals.
- C. Provide movement and relief joints in locations, depths, and widths as detailed. Make joint lines straight and uniform, coordinated and aligned with other work.
- D. Do not trowel until bleed water is gone, do not over-trowel, do not apply dust to cement to speed up troweling start time.
- E. Use approved coverings and curing and wetting methods and protect fresh pavement from foot or traffic damage.
- F. Repair or replace defective work as directed by the Architect.

3.3 FIELD QUALITY CONTROL

- A. Testing and Inspection Services:
 - 1. Certify each delivery ticket.
 - 2. Record time at which concrete was discharged from truck.
 - 3. Monitor and record amount of water and water reducing admixture added to concrete at project site.
 - 4. Determine ambient temperature and temperature of concrete sample for each set of test cylinders.
 - 5. Test cylinders:
 - Make test cylinders in accordance with ASTM C172; one set of 3 cylinders for each (100) cubic yards or fraction thereof placed in any one day, for each different class of concrete.
 - Mold and cure cylinders in accordance with ASTM C31; test cylinders in accordance with ASTM C39; one at 7 days and two at 28 days.
 - 6. Slump tests: Make slump tests at beginning of each day's placement and for each set of test cylinders in accordance with ASTM C143.
 - Air content: Determine total air content of air entrained concrete for each strength test in accordance with ASTM C231.
 - 7. Slump range: 4-6 inches

END OF SECTION

SECTION - UNIT MASONRY PROCEDURES

PART 1 - GENERAL

RELATED DOCUMENTS

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specifications sections, apply to the work of this section.

WORK INCLUDED:

General: Unit Masonry Procedures and general requirements specified herein apply to all Unit Masonry Work specified in other Division 4 sections and all other items specified in other sections to be installed under Division 4 sections.

RELATED WORK:

QUALITY ASSURANCE:

Installer Qualifications: For actual cutting and placing of all Unit Masonry Work, use only skilled journeyman masons who are thoroughly experienced with materials and methods specified and thoroughly familiar with Project design requirements. Provide one skilled journeyman mason who shall be present at all times during execution of Work specified in masonry specification sections and who shall personally direct execution of this portion of Work. Masonry work that is unsatisfactory in the opinion of the architect will be removed and replaced at no cost to the owner.

SUBMITTALS:

General: As specified and/or indicated in other Division 4 sections, submit to Architect all required submittals in accordance with - "Submittals."

DELIVERY, STORAGE AND HANDLING:

Acceptance: Deliver and store products in manufacturer's original, unopened packaging, with each product package legibly identified with manufacturer's name, product name and grade and contents.

Unit Masonry Protection: Shall be as follows:

Brick: Store brick masonry units in a dry place; in a manner to prevent damage or intrusion of contaminating materials.

Cast Stone: Store cast stone units under cover that will permit circulation of air; that will prevent excessive moisture absorption and protect cast stone units against wetting prior to use.

Note: During freezing weather, protect all masonry units with tarpaulins or other suitable covering materials.

Masonry Mortar Protection: Store cement, lime, other moisture degrading materials and sand in a manner to prevent hydration, contamination, mixing, deterioration, or intrusion of foreign matter.

Masonry Accessories Protection: Store masonry accessories materials to protect masonry accessories from contamination by rusting, contact with oils or any other foreign matter.

PROJECT CONDITIONS:

Environmental Requirements: Do not lay unit masonry when temperature of outside air is below 40 degrees F. unless suitable means, as approved by the Architect, are provided to heat materials, and to protect the Work from cold, frost and to insure that mortar will harden without freezing.

Note: Do not use any anti-freeze admixture in masonry mortar.

PART 2 - PRODUCTS

MASONRY MATERIALS:

General: Provide masonry materials as specified and/or required by other related unit masonry sections. See Related Work article for list of all unit masonry sections and related sections included in Project Specification.

PART 3 - EXECUTION

INSPECTION:

General: Examine areas and conditions under which all unit masonry work will be performed. Notify Contractor and Architect in writing of any detrimental conditions prior to installation. Do not proceed until unsatisfactory conditions have been corrected.

COORDINATION:

General: Consult with other trades in advance to make provisions for installation of their work in order to avoid cutting and patching. Build in work as specified in other sections and/or indicated on the Drawings as Work progresses.

PREPARATION:

General: Prepare masonry materials for installation as required by other related unit masonry sections.

Wetting Masonry Units: Where masonry units are specified to be wetted; uniformly wet units 3 to 4 hours prior to use in hot weather and 18 to 24 hours in normal weather.

Masonry Anchors and Reinforcement: Prior to being placed, clean and remove any loose rust, ice, mud and/or any other coatings.

Cutting of Masonry Units: Cut all exposed masonry units with a motor-driven masonry saw.

INSTALLATION:

Erection: Lay up unit masonry walls plumb, level and true to line and dimensions indicated.

Pattern Bond: Refer to bond requirements of related unit masonry specification sections.

Adjustments: Adjust masonry unit to final position while mortar is soft and plastic. Where adjustments must be made after mortar has started to harden, remove mortar, replace with fresh mortar. Avoid over-plumbing, pounding of corners and/or jambs after being set into position.

Joining of Work: When joining fresh masonry to set or partially set masonry construction, clean exposed surface of set masonry and remove loose mortar prior to laying fresh masonry. If necessary to stop off a horizontal run of masonry, rake back 1/2 unit of masonry length in each course. Do not use toothing to join new masonry, to set or partially set masonry when continuing a horizontal run.

Tooling of Joints: Tool exposed joints when "thumb-print" hard with proper tool, slightly larger than width of joint.

Flashing: Clean surface of masonry smooth and free from projections which might puncture flashing material. Construct as indicated, use flashing material as specified in Section - "Flashing and Sheet Metal."

Damaged Units: Do not use chipped or broken units. If any such broken units are discovered in finished wall, Architect may require their removal and replacement with new units at no additional cost to Owner.

Solid Masonry Units: Lay all solid masonry units in full bed of mortar with full head joints.

Hollow Masonry Units:

Lay hollow masonry units 4 inches or less in thickness in full beds of mortar with full head joints. Lay

hollow masonry units exceeding 4 inches in thickness with divided bed and head joints.

Collar Joints: Collar joints in exterior wall shall be completely filled with mortar.

Weep Holes: Provide weep holes 24 inch o.c. max. in exterior brick masonry, weep holes to be in vertical joints immediately above all wall flashing, at base of cavity brick veneer walls. When wicks of 1/4 inch fiberglass rope or similar materials are used, weep holes are to be at 16 inch o.c. max.

Cavity Wall Air Space: Keep air space within cavity wall clean, free from obstructions. Provide positive means of catching mortar droppings.

Built-In Work: Set steel lintels in beds of mortar. Fill jambs, heads of bucks and frames solid with mortar. Adjust shelf angles to keep masonry level and at proper elevation.

Sealant Recesses: Leave joints around exterior perimeters of exterior doors, window frames and other wall openings:

Depth: uniform 3/4 inch.

Width: 1/4 inch to 3/8 inch.

Sealant: Seal as indicated, use sealant as specified in Section - "Caulking and Sealants."

Control Joints: Where indicated and/or specified, install masonry control joints as follows:

Location: Install masonry control joints as indicated; if no locations are shown, install in locations directed and spaced not to exceed 40'-0" o.c. max.

Construction: Construct as indicated, use special control joint material as specified in Section - "Masonry Accessories."

Sealant: Seal as indicated, use sealant as specified in Section - "Caulking and Sealants."

Bond Beams: Where indicated on Drawings, install masonry bond beams as follows:

General: Construct with masonry units of same type as surrounding area. Use approved solid bottom type where bottom surface exposed to view.

Location: Place at locations indicated.

Reinforcement: Install reinforcement in number and sizes indicated, use max. practicable length bars; lap splice - 30 bar diameters.

Grout or Concrete Fill: Place and consolidate specified grout or concrete fill without disturbing reinforcement. Masonry mortar is not acceptable for use as a cementitious fill material.

Control Joints at Bond Beams: Run bond beams at floor and roof levels continuous through control joints, with any intermediate course bond beams discontinuous at control joints.

Reinforced Masonry Construction: Where indicated on Drawings, install reinforced and filled vertical masonry voids and hollow masonry units with specified masonry grout or concrete fill as follows:

Height: Build wall up in max. of 48 inch height lifts.

Reinforcement: Insert reinforcement in proper cavities; use number and size reinforcing bars indicated. Lap splices - 30 bar diameters. Support reinforcement to prevent displacement from location required.

Concrete or Grout Fill: Fill masonry void with specified masonry grout or concrete fill, to within 1- 1/2 inch of top of top masonry course to form a key for next lift. Repeat this step until full height of reinforced masonry is reached. Terminate last lift of fill flush with top of uppermost masonry course. Masonry mortar is not acceptable for use as a cementitious fill material.

Joint Reinforcement: Where indicated on the Drawings and/or specified herein, install specified joint reinforcements as follows:

General: Place joint reinforcement continuous, at 16 inch o.c. intervals vertically, except it shall not pass through vertical masonry control joints. Lap side rods a min. of 6 inch at splices. Place joint reinforcement to assure min. 5/8 inch mortar cover on exterior face of walls, min. 1/2 inch mortar cover in interior face of walls.

Joint Reinforcement at Masonry Openings: Place joint reinforcement in 3 consecutive courses immediately below impending structural member at top of wall such as bond beams. Place reinforcement in first and second bed joints 8 inch apart immediately above lintels; below sills at openings at least 2'-0" beyond jambs.

Bonding and Anchorage: Where indicated on Drawings and/or specified herein, install specified masonry bonding and/or masonry anchorage systems as follows:

Masonry Wall Corners: Bond or anchor corners and intersections of nonload bearing and load bearing masonry walls at 16 inch o.c. vertically with preformed corner joint reinforcement.

Masonry Walls: Structurally bond single wythe and multiwythe masonry walls with continuous prefabricated joint reinforcement; spaced not more than 16 inch o.c. vertically.

POINTING AND CLEANING OF WALLS

Pointing: Point up exposed masonry, fill holes and joints. Remove loose mortar, cut out defective joints and repoint with mortar.

General Cleaning: Thoroughly clean all exposed masonry work

PROTECTION:

Wall Covering: During erection, cover top of walls with strong waterproof membrane at end of each day or shutdown. Cover partially complete walls when work is not in progress. Extend cover min. of 24 inch down both sides. Hold covers securely in place.

Load Application: Do not apply uniform floor or roof loading for at least 12 hr. after building masonry columns or walls. Do not apply concentrated loads for at least 72 hr. after building masonry columns or walls.

Staining: Prevent mortar or grout from staining face of masonry left exposed or painted.

CLEANING OF PREMISES:

General: Contractor shall remove all rubbish, and building materials left over from masonry construction operation; premises must be left clear and clean when masonry work is completed; mortar dropping shall be completely removed.

END OF SECTION

SECTION - MASONRY MORTAR

PART 1 - GENERAL

RELATED DOCUMENTS

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specifications sections, apply to the work of this section.

Note: The provisions of - "Unit Masonry Procedures" apply to Work under this section.

WORK INCLUDED:

General: Provide Masonry Mortar indicated as specified herein.

RELATED WORK:

QUALITY ASSURANCE:

Sample Panels: Provide in-place Masonry Mortar samples in accordance with Sample Panel requirements noted in other Unit Masonry sections. See Related Work article for list of all unit masonry sections included in Project Specifications.

Source Quality Control: Brands of cementitious materials and source of sand and gravel aggregates shall remain same through-out entire Project and shall not be changed except by written permission of Architect.

DELIVERY, STORAGE AND HANDLING:

General: Deliver and store Masonry Mortar in accordance with Delivery, Storage and Handling requirements of - "Unit Masonry Procedures."

PROJECT CONDITIONS:

General: In accordance with Project Conditions of - "Unit Masonry Procedures."

PART 2 - PRODUCTS

MASONRY MORTAR MATERIALS:

Mortar Type:

Conform to ASTM C-270, Type "N" proportion specification.
Conform to ASTM C-91, Type "S" proportion specification.

Mortar Materials: Materials used as ingredients in Masonry Mortar shall conform to following specified requirements:

Portland Cement: ASTM C-150, Type 1.

Hydrated Lime: ASTM C-207, Type S. Sand:
ASTM C-144.

Admixtures: No air-entraining admixtures or cementitious materials containing air-entraining admixtures shall be used in mortar. No anti-freeze compounds or other substances shall be used in mortar to lower freezing point. Calcium chloride or admixtures containing calcium chloride shall not be use in mortar in which reinforcement, metal ties or anchors are embedded. Mortar colors may be added if so specified herein.

Water: Water shall be clean and free of deleterious amounts of acid, alkalies or organic materials.

Mortar Mix: Portland cement - lime mortar.

Type S.

Two 94 lb. bags Portland cement (ASTM C-150), one 50 lb. bag hydrated lime (ASTM C-207) plus nine cubic feet of sand (ASTM C-144) or

One 94 lb. Portland cement (ASTM C-150)

Two 70 lb. bags masonry cement Type 1 (ASTM C-91) plus nine cubic feet of sand (ASTM C- 144).

Mortar Color: Match adjacent building.

MASONRY GROUT FILL:

Grout Materials: Materials used as ingredients in masonry grout shall conform to following specified requirements:

Portland Cement: ASTM C-150, Type 1.

Hydrate Lime: ASTM C-207, Type S. Sand

(Fine Aggregate): ASTM C-144.

Gravel (Course Aggregate): ASTM C-404; max. size 3/8 inch.

Admixtures: No air-entraining admixtures or cementitious materials containing air-entraining admixtures shall be used in masonry grout. No anti-freeze compounds or substances shall be used masonry grout to lower freezing point. Calcium chloride or admixtures containing calcium chloride shall not be used in mortar in which reinforcement, metal ties or anchors are embedded. Water: Water shall be clean and free of deleterious amounts of acid, alkalies or organic materials.

Grout Strength: 28 day compressive strength - 2500 psi.

Grout Slump: 8 inch to 10 inch per ASTM C-143.

Grout Mix: 1 part Portland cement, 1/10 part hydrated lime, 3 parts sand, 2 parts gravel and enough water to produce specified slump.

PART 3 - EXECUTION

MIXING:

Measurement of Materials: The method of measuring materials for masonry mortar or grout in masonry construction shall be by either volume or weight, and such that specified proportions of masonry mortar or grout materials can be controlled and accurately maintained.

Note: Measurement of sand by shovel shall not be permitted.

Mixing of Mortar Materials: All cementitious materials and aggregate shall be mixed for at least 3 minutes and not more than 5 minutes in a mechanized batch mixer, with maximum amount of water to product a workable consistency.

Mixing of Grout Materials: All cementitious materials and aggregate shall be mixed for at least 3 minutes and not more than 5 minutes in a mechanical batch mixer, with maximum amount of water to product specified slump.

Retempering of Mortar: Mortars that have stiffened because of evaporation of water from masonry mortar shall be retempered by adding water as frequently as needed to restore required consistency. Mortars shall be used and placed in final position within 2-1/2 hours after initial mixing.

PLACEMENT:

Placement of Mortar: Follow requirements for Laying-Up Masonry Construction as specified in Section - "Unit Masonry Procedures."

Placement of Masonry Grout Fill: Follow requirements for Bond Beams and/or Reinforced Masonry Construction as specified in - "Unit Masonry Procedures."

POINTING AND CLEANING:

General: Follow requirements for Pointing and Cleaning as specified in Section - "Unit Masonry Procedures."

PROTECTION:

General: Follow requirements for Protection as specified in - "Unit Masonry Procedures."

END OF SECTION

SECTION - BRICK MASONRY

PART 1 - GENERAL

RELATED DOCUMENTS

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections, apply to work of this section.

Note: The provisions of - "Unit Masonry Procedures" apply to Work under this section.

WORK INCLUDED:

General: Provide Brick Masonry indicated and as specified herein.

RELATED WORK:

QUALITY ASSURANCE:

Source Quality Control: Source of Brick Unit Masonry materials shall remain same throughout entire Project and shall not be changed except by written permission of Architect.

REFERENCES:

Workmanship of Masonry Wall Erection: Conform to latest "Recommended Standard Specifications for Clay Masonry" as published by the Brick Institute of America (BIA).

SUBMITTALS:

General: Submit to Architect all required submittals in accordance with requirements of - "Submittals."

Certificates: Prior to delivery, submit certificates attesting compliance with the applicable specifications for grades, types or classes included in this Section.

DELIVERY, STORAGE AND HANDLING:

General: Deliver and store Brick Masonry in accordance with Delivery, Storage and Handling requirements of - "Unit Masonry Procedures."

PROJECT CONDITIONS:

General: In accordance with Project Conditions requirements of - "Unit Masonry Procedures."

PART 2 - PRODUCTS

BRICK:

Face Brick: Match GRAMBLING STATE UNIVERSITY Blend Brick

Grade and Type: ASTM C-216, Grade MW above grade, Grade SW when brick is in contact with earth; Type FBS.

Dimensions: Modular.

Shapes: Provide special shaped brick as indicated.

Note: Provide brick similar in texture and physical properties to those original existing brick. Do not exceed variations in color and texture of original existing brick.

PART 3 - EXECUTION

INSPECTION:

General: Examine areas and conditions under which brick masonry work will be performed. Notify Contractor and Architect in writing of any detrimental conditions prior to installation. Do not proceed until unsatisfactory conditions have been corrected.

PREPARATION:

Brick: Recommended procedure to insure that brick are nearly saturated, surface dry when laid is to spray water with a hose on to the brick pile until water runs from the pile. Uniformly wet units in compliance with requirements of - "Unit Masonry Procedures."

INSTALLATION:

General: Follow requirements for laying up of masonry construction as specified in - "Unit Masonry Procedures."

Face Brick Bond Pattern: Lay face brick in: match existing adjacent building.

Mortar Joints: As follows:

Dimensions: Lay brick up 8" inch center to center of every third bed joint, inch center to center of every head joint. Make joints uniform, not to exceed 1/2 inch width.

Face Joint Finish: Finish face joints exposed on exterior or interior with metal tool to form concave joint, close hairline cracks and crevices.

Finish of All Other Joints: Cut off flush.

POINTING AND CLEANING:

General: Follow requirements for Pointing and Cleaning as specified in - "Unit Masonry Procedures."

PROTECTION:

General: Follow requirements for Pointing and Cleaning as specified in - "Unit Masonry Procedures."

END OF SECTION

SECTION

CAST STONE

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Plant cast simulated stone trim units.

1.2 REFERENCES

- A. American Concrete Institute (ACI) 318 - Building Code Requirements for Structural Concrete.
- B. ASTM International (ASTM):
 - 1. A185/A185M - Standard Specification for Welded Steel Wire Reinforcement, Plain, for Concrete.
 - 2. A615 - Standard Specification for Deformed Billet Steel Bars for Concrete.
 - 3. A666 - Standard Specification for Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
 - 4. C33 - Standard Specification for Concrete Aggregates.
 - 5. C150 - Standard Specification for Portland Cement.
 - 6. C231 - Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method.
 - 7. C260 - Standard Specification for Air-Entraining Admixtures for Concrete.
 - 8. C426 - Standard Test Method for Linear Shrinkage of Concrete Masonry Units.
 - 9. C494 - Standard Specification for Chemical Admixtures for Concrete.
 - 10. C618 - Standard Specification for Fly Ash and Raw or Calcined Natural Pozzolans for Use as a Mineral Admixture in Portland Cement Concrete.
 - 11. C979 - Standard Specification for Pigments for Integrally Colored Concrete.
 - 12. C1194 - Standard Test Method for Compressive Strength of Architectural Cast Stone.
 - 13. C1195 - Standard Test Method for Absorption of Architectural Cast Stone.
 - 14. C1364 - Standard Specification for Architectural Cast Stone.
- C. Cast Stone Institute (CSI) - Technical Manual.
- D. The Masonry Society (TMS):
 - 1. 402 - Building Code for Masonry Structures.
 - 2. 602 - Specification for Masonry Structures. 3.

1.3 SUBMITTALS

- A. Submittals for Review:
 - 1. Shop Drawings:
 - a. Provide cross section showing profile, reinforcing, and attachment methods.
 - b. Include plan and elevation of each unit, numbered in sequence for installation.
 - 2. Samples: Sample of typical unit, showing construction, profile, color, and finish.

1.4 QUALITY ASSURANCE

- A. Fabricator and Installer Qualifications: Minimum 5 years' experience in work of this Section.

- B. Perform Work in accordance with TMS 402 and 602.
- C. Design, fabricate, and install cast stone in accordance with CSI Technical Manual.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Support and isolate units during shipment on nonstaining spacers.
- B. Store units to protect from staining and damage.
- C. Store units on firm, level, and smooth surfaces; do not place on ground.

1.6 PROJECT CONDITIONS

- A. Wall Protection:
 - 1. During erection, cover tops of partially completed walls with strong waterproof membrane at end of each day or work stoppage.
 - 2. Extend cover minimum of 24 inches down both sides; hold securely in place.
- B. Environmental Requirements:
 - 1. Hot weather requirements: If ambient temperature is over 95 degrees F or relative humidity is less than 50 percent, protect from direct sun and wind exposure for minimum 48 hours after installation.
 - 2. Cold weather requirements: Do not use frozen materials or build on frozen work.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Portland Cement: ASTM C150, Type 1.
 - 1. For facing mix: White color.
 - 2. For backing mix: Gray color.
- B. Aggregates: ASTM C33, clean and uncoated.
 - 1. For backing mix: Washed concrete sand, pea gravel, or graded limestone.
 - 2. For facing mix: Limestone, marble screenings, silica sand, or other light colored sand; same as used in mix of approved sample.
- C. Admixtures:
 - 1. Water reducing or water reducing/set retarding: ASTM C494, Type A or D.
 - 2. Air entraining: ASTM C260.
 - 3. Coloring: ASTM C979, pure mineral oxide, color to be selected from manufacturer's full color range.
- D. Reinforcing Bars:
 - 1. ASTM A615, Grade 40; galvanized or epoxy coated when covered by less than 1-1/2 inches of material.
- E. Welded Wire Fabric:
 - 1. ASTM A185/A185M.
- F. Dowels: Stainless steel, ASTM A666, Type 302 or 304.
- G. Spacers: Resilient plastic.
- H. Formwork: Steel or overlay plywood, consistent with required finish.

2.2 ACCESSORIES

- A. Mortar: Specified in Section.
- B. Joint Sealer: Specified in Section.
- C. Masonry Cleaner: Type recommended by stone manufacturer.

2.3 MIXES

- A. Mix Design:
 - 1. Compressive strength: Minimum 6500 PSI at 28 days, tested to ASTM C1194.
 - 2. Absorption: Maximum 6 percent by cold water method or 10 percent by boiling water method, tested to ASTM C1195.
 - 3. Air entrainment: 5 to 7 percent by volume, tested to ASTM C231.
 - 4. Freeze/thaw: CPWL less than 5 percent after 300 cycles, tested to ASTM C1364.
 - 5. Linear shrinkage: Maximum 0.0065 percent, tested to ASTM C426.
 - 6. Colorant: Maximum 10 percent of cement used by weight.

2.4 FABRICATION

- A. Fabricate units to match approved samples.
- B. Construct rigid, tight molds that will cast required sections with smooth finish.
- C. Provide smooth fillet on interior corners of molds to produce slight beveled edge on permanently exposed surfaces.
- D. Clean surfaces of foreign materials prior to casting.
- E. Coat contact surfaces with form release agent.
- F. Provide reinforcing and accessories required for lifting and installation.
 - 1. Before placing in forms, clean reinforcement and accessories of loose rust, mill scale, dirt, oil, and other materials that could reduce bonding.
 - 2. Accurately position reinforcement to provide minimum coverage of not less than twice the bar diameter.
 - 3. Provide reinforcing equal to minimum 0.25 percent of cross section area.
 - 4. Do not use welded wire fabric for dry-cast units.
- G. Tamp stone mixture containing minimum water into molds to produce dense stones with smooth surfaces, free from air pockets and voids.
- H. Provide uniform surface texture on exposed surfaces, free from holes, voids, and irregularities.
- I. Curing:
 - 1. Cure units in warm curing chamber at minimum 100 degrees F and 95 percent humidity for minimum 12 hours, or at minimum 70 degrees F and 95 percent humidity for 16 hours.
 - 2. Cure units in yard at 95 percent relative humidity for 350 degree-days prior to shipping.
 - 3. Protect units cured in forms from evaporation by use of curing blankets or curing compound.
- J. Fabrication Tolerances:
 - 1. Height and width: Plus or minus 1/8 inch.
 - 2. Length: 1/8 inch, maximum plus or minus 1/4 inch.
 - 3. Bowing, twisting, or warping: Maximum 1/8 inch.
 - 4. Location of dowels, flashing grooves, and similar features: Plus or minus 1/8 inch in any direction on formed sides, maximum 3/8 inch on unformed sides.

2.5 FINISHES

- A. Color: To be selected from manufacturer's full color range. White.

- B. Surface Finish: Fine-grained texture similar to natural stone, free from voids and surface irregularities.

2.6 SOURCE QUALITY CONTROL

- A. Select one cast stone unit for each 500 cubic feet delivered to Project in accordance with ASTM C1194 and C1195.
 - 1. Minimum average compressive strength for three cut cubes: 85 percent of specified value per ACI 318, with no test less than 75 percent of specified value.
 - 2. Average maximum cold-water absorption for three cut cubes: 6 percent.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install cast stone in accordance with approved Shop Drawings.
- B. Drench units with clean water just prior to setting.
- C. Completely fill dowels holes and anchor slots with mortar.
- D. Maintain uniform spacing between units with plastic spacers.
- E. Bed each piece in full mortar bed.
- F. Equalize bed and joint dimensions.
- G. Completely fill beds and joints, then rake out to 3/8 inch depth to allow for pointing.
- H. Point joints with pointing mortar; tool to concave profile.
- I. Control [and Expansion] Joints:
 - 1. Keep joints free from mortar and grout.
 - 2. Install joint backing and joint sealer at control joints in accordance with Section.
 - 3. Form expansion joint as indicated on Drawings.
- J. Installation Tolerances; Maximum variation from:
 - 1. Alignment face to face of adjacent units: Plus or minus 1/8 inch.
 - 2. Plumb: Plus or minus 1/4 inch in 10 feet noncumulative.
 - 3. Level: Plus or minus 1/8 inch in 3 feet; 1/4 inch in 10 feet; 1/2 inch in 30 feet.
 - 4. Joint thickness: Plus 1/6 inch, minus 1/8 inch.

3.2 CLEANING

- A. Clean stone with detergent and water applied with fiber brush.
- B. If initial cleaning does not produce acceptable results, apply cleaner in accordance with manufacturer's instructions.
 - 1. Protect adjacent surfaces.
 - 2. Thoroughly rinse surfaces with clean water after completion of cleaning; remove all traces of cleaning solution.

END OF SECTION

GENERAL

1.1 WORK

- A. Provide and install wood framing and blocking as shown on the Drawings and as specified herein. Work includes all connectors, and related hardware and materials.
- B. Where additional instructions are required, work shall be as directed by the Architect.

1.2 SUBMITTALS

- A. Provide all tests, certificates, and affidavits necessary to verify materials are as specified.

1.3 QUALITY STANDARDS AND TOLERANCES

- A. Provide a work force that is sufficient in number for the quantity of work and time schedule. Workers shall be skilled, trained, experienced, and competent to do the work as specified.
- B. Unless otherwise directed by the Architect, all work shall be as per building code and the Manual for Wood Frame Construction, American Forest and Paper Association (NFPA), National Design Specifications for Wood Construction of the NFPA, Plywood Specifications and Grade guide of the American Plywood Association. All lumber shall be grade marked and shall bear the official stamp of the Southern Pine Association grading rules. The maximum defects and blemishes occurring in any specified grade shall not exceed the limitations of the American Lumber Standards. All lumber is subject to the approval of the Architect.
- C. Tolerances: Vertical framing shall be plumb within 1/4" per 10 linear feet and horizontal framing shall be level within 1/4" per 10 linear feet.
- D. Moisture content of framing lumber shall be 19% or less by weight. Tests will be conducted on all newly shipped lumber to confirm moisture content. Kiln-dried or other lumber requiring lower moisture content shall be as specified.
- E. Follow applicable lumber grading agency standards in accepting or rejecting delivered lumber. Reject special, required lumber that is not marked and certified as preservative-treated or kiln-dried.

1.4 MATERIALS HANDLING AND STORAGE

- A. Reject any delivered framing lumber that is not grade-stamped and certified by a bona fide grading agency. Identify framing lumber by grade and store each grade separately.
- B. Do not accept or use lumber that deviates from grade standards or has excessive moisture content or other defects. Remove unstamped or defective lumber from the job site.
- C. Handle lumber to avoid damage during transport, unloading, and moving on the job site. Handle chemically treated lumber and panels strictly according to manufacturer's instructions.
- D. Store framing lumber and wood panels to prevent damage and moisture absorption. Store metal connectors that are subject to damage in weathertight wrapping and in safe locations away from traffic or other sources of damage. Store chemically treated lumber and wood panels outdoors until installation. Keep chemically treated lumber and wood panels well ventilated if moved indoors.

PART 2 -- MATERIALS

2.1 FASTENERS, CONNECTORS, AND SUPPORTS

- A. Use hot-dip galvanized steel for exterior, high humidity, and treated wood locations.
- B. Nails shall be common wire or spike nails as shown on nailing schedule. Follow all nail size requirements and nail spacings required by the governing building code.
- C. Power-driven nailing: Comply with standards of the International Staple, Nail and Tool Association.
- D. Machine bolts shall comply with ASTM A307. Lag bolts to comply with Federal Spec FF-N-1. Drill holes 1/16" larger than bolt diameters. Use washers under all nuts and bolt heads.
- E. Hangers, connectors, and crossbridging shall be product manufactured by: "Teco, Simpson, or equal as approved by the Architect."

2.2 LUMBER

- A. S4S, S-Dry unless otherwise indicated, grade marked complying with the following: Joist framing species and grade: #2 Standard S.Y.P.
Studs (2 to 4 inches thick or wide, 10 feet in length or shorter) Grade: "Stud" or No. 3 Structural Light Framing.
Rafter framing species and grade: #2 Standard S.Y.P.
Non-structural light framing species and grade: #2 Standard or better, S. Y. P. No Utility grade. Sill boards: Pressure treated or redwood sill grade.
Structural light framing: No. 2 or better.
Lumber for miscellaneous applications shall be Standard grade unless noted otherwise.

2.3 SHEATHING AND UNDERLAYMENT: MATERIALS

- A. Sheathing and underlayment:
Plywood sheathing: Use APA rated, PS-1 or APA PRP-108. Particleboard:
Exterior Type 2-M.
Hardboard: ANSI/AHA A135.6.
Underlayment: APA rated underlayment, Exterior; 1/4" Luan.
- B. Related construction and materials:
Sill gasket atop foundation wall: Glass fiber strip with width equal to plate. Sill flashing:
Galvanized steel or aluminum.
Subfloor glue: APA AFG-01, solvent base, waterproof.
Building paper: No. 15 asphalt felt (or spun-bonded polyethylene). Vapor barrier: 6 mil polyethylene.
Termite shield: See Section Masonry.

2.4 WOOD TREATMENT

A. Provide wood preservative as follows:

Pressure treatment with Wolman Salts, in accordance with AWPB LP-2, LP-3 or LP-4. AWPA Treatment C.

Waterborne preservative with 0.25 percent retainage, rated for specific uses noted on Drawings.

PART 3 -- INSTALLATION

3.1 WOOD FRAMING: PREPARATION AND PRECONSTRUCTION

- A. Examine and verify that job conditions are satisfactory for speedy and acceptable work.
- B. Maintain and refer to the latest trade standards.
- C. Identify actual dimensions of all required rough openings in framing.
- D. Provide framing and shoring plan and schedule. Provide lifts or cranes to assist high-level framing. Verify that materials are stored so as to not overload or interfere with construction.

3.2 ROUGH CARPENTRY, WOOD FRAMING -- AT GRADE AND FOUNDATIONS

- A. Apply termite prevention where untreated wood will be within 8" of finish grade of soil. Use foundation grade or preservative-treated lumber near soil or where otherwise potentially exposed to moisture.
- B. Completed mudsills shall be straight with a side variation tolerance of 1/4" per 10 linear feet and level within 1/4" per 10 linear feet.

A. ROUGH CARPENTRY, FRAMING MEMBERS

- B. Install all framing members as per framing plan, details, and building code requirements.
- C. Install joist hangers as per Drawings, manufacturer's instructions, and building code requirements.

3.3 WOOD FRAMING: COORDINATION

- A. Coordinate electrical stub-ups with the framing plan.
- B. Supply and coordinate in-wall fixture and equipment supports such as in-wall blocking, anchors, brackets, grounds, curbs, and other supports.
- C. Install plaster grounds as detailed and as per trade association standards.
- D. Provide joints and connectors at non-wood construction to allow for shrinkage, expansion and other movement of the wood. Provide clearances between framing and other construction that may be subject to differential movement.
- E. Set and prepare framing as required for tile or other waterproof wall finishes. Provide waterproofing sealing as detailed. Prepare framing for waterproof finishes where waterproofing required.
- F. Combine thermal insulation with framing as shown on Drawings.
- G. Combine soundproofing with framing as shown on Drawings. Install sound barrier materials, gaskets, and clips as per manufacturers' instructions. Do not allow any sound transfer connections within soundproof party wall construction.
- H. Provide fire protection facilities and all necessary fire protection precautions during construction. Install required concealed fireproofing such as under enclosed stairs. Provide openings for inspection of concealed work before closing in.

3.4 FASTENERS, CONNECTORS, AND SUPPORTS: INSTALLATION

- A. Where not shown on nailing schedule, nails shall penetrate not less than 1/2 the length of nail. Exception: 16d

nails may connect two pieces of 2" thickness. Remove and replace split framing members.

B. Use nailing machines or power hammers according to manufacturer's requirements. Provide correct sizes and types of nails for use in nail guns.

C. Check and tighten all bolt connections after they are installed. Recheck and retighten all bolt connections before final construction is completed.

D. Install joist hangers and bridging as per Drawings and manufacturer's instructions.

END OF SECTION

SECTION
FIBER CEMENT BOARD SIDING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Factory-finished fiber cement lap siding, panels, trim, fascia, molding and accessories, TO MATCH EXISTING.

1.2 REFERENCES

- A. AS D3359 - Standard Test Method for Measuring Adhesion by Tape Test, Tool and Tape.
- B. AS E136 - Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 degrees C.

1.3 SUBMITTALS

- A. Submit under provisions of Section.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Shop Drawings: Provide detailed drawings of atypical non-standard applications of cementitious siding materials which are outside the scope of the standard details and specifications provided by the manufacturer.
- D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- E. Verification Samples: For each finish product specified, two samples, minimum size 4 by 6 inches (100 by 150 mm), representing actual product, color, and patterns.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum of 2 years experience with installation of similar products.
- B. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
 - 3. Remodel mock-up area as required to produce acceptable work.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store siding on edge or lay flat on a smooth level surface. Protect edges and corners from chipping. Store sheets under cover and keep dry prior to installing.
- C. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.7 WARRANTY

- A. Product Warranty: Limited, non-pro-rated product warranty.
 - 1. Plank lap siding for 30 years.
 - 2. Panel vertical siding for 30 years.
 - 3. Soffit panels for 30 years.
 - 4. Trim boards for 15 years.
- B. Finish Warranty: Limited product warranty against manufacturing finish defects.
 - 1. When used for its intended purpose, properly installed and maintained according to manufacturer's published installation instructions, for a period of 15 years from the date of purchase: will not peel; will not crack; and will not chip. Finish warranty includes the coverage for labor and material.
- C. Workmanship Warranty: Application limited warranty for 2 years.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Specification is based on products manufactured by: James Hardie Building Products, Inc., which is located at: 231 S. La Salle St. Suite 2000; Chicago, IL 60604; Toll Free Tel: 877- 236-7526; Email:[request info \(info@jameshardie.com\)](mailto:request_info@jameshardie.com); Web:www.jameshardiepros.com|www.jameshardie.com
- B. Additional acceptable manufacturers: NICHIIHA; ALLURA PLYCEM or prior approved equal.
- C. Requests for approval of equal substitutions will be considered in accordance with provisions of Section.

2.2 SIDING AND TRIM- TO MATCH EXISTING

- A. HardiPlank HZ10 lap siding, HardiPanel HZ10 vertical siding, and HardieSoffit HZ10 panels
 - 1. Fiber-cement siding - complies with ASTM C 1186 Type A Grade II.
 - 2. Fiber-cement siding - complies with ASTM E 136 as a noncombustible material.
 - 3. Fiber-cement siding - complies with ASTM E 84 Flame Spread Index = 0, Smoke Developed Index = 5.
 - 4. US Department of Housing and Urban Development Materials Release -1263f.

- B. Lap Siding: HardiePlank HZ10 Lap as manufactured by James Hardie Building Products, Inc.
 - 1. Type: Select Cedarmill 12 inches with 10.57 inches exposure, walls.

- C. Soffit Panels: HardieSoffit HZ10 soffit panel, factory sealed on 5 sides as manufactured by James Hardie Building Products, Inc.
 - 1. Type: Smooth vented, provides 5 square inches (32.3 sq.cm) of net free ventilation per linear foot, 24 inches (610 mm) by 8 feet (2438 mm).

- D. Trim:
 - 1. HardieTrim HZ10 boards as manufactured by James Hardie Building Products, Inc.
 - a. Product: 5/4 Boards, 5-1/2 inch (140 mm) width.
 - b. Texture: Wood Grained.
 - c. Length: 12 feet (3658 mm).
 - d. Thickness: 1 inch.

2.3 FASTENERS

- A. Wood Framing Fasteners:
 - 1. Wood Framing: 0.093 inch (2.4 mm) shank by 0.222 inch (5.6 mm) head by 2 inches (51 mm) corrosion resistant siding nails.
 - 2. Wood Framing: No. 11 gauge 1-1/2 inches (38 mm) corrosion resistant roofing nails.

- B. Masonry Walls:
 - 1. Masonry Walls: Aerico Stud Nail, ET&F ASM No.-144-125, 0.14 inch (3.6 mm) shank by 0.30 inch (7.6 mm) head by 2 inches (51 mm) long corrosion resistant nails.

2.4 FINISHES

- A. Factory Primer: Provide factory applied universal primer.
 - 1. Primer: Factory primed by James Hardie.
 - 2. Topcoat: Refer to Section - Painting and Coating and Exterior Finish Schedule.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.

- B. If framing preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

- C. Nominal 2 inch by 4 inch (51 mm by 102 mm) wood framing selected for minimal shrinkage and complying with local building codes, including the use of water-resistive barriers or vapor barriers where required. Minimum 1-1/2 inches (38 mm) face and straight, true, of uniform dimensions and properly aligned.
 - 1. Install water-resistive barriers and claddings to dry surfaces.
 - 2. Repair any punctures or tears in the water-resistive barrier prior to the installation of the siding.
 - 3. Protect siding from other trades.

- D. Minimum 20 gauge (33 mm) 3-5/8 inch (92 mm) C-Stud 16 inches maximum on center or 16 gauge (54 mm) 3-5/8 inches (92 mm) C-Stud 24 inches (610 mm) maximum on center metal framing complying with local building codes, including the use of water-resistive barriers and/or vapor barriers where required. Minimum 1-1/2 inches (38 mm) face and straight, true,

of uniform dimensions and properly aligned.

1. Install water-resistive barriers and claddings to dry surfaces.
2. Repair any punctures or tears in the water-resistive barrier prior to the installation of the siding.
3. Protect siding from other trades.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Install a water-resistive barrier is required in accordance with local building code requirements.
- D. The water-resistive barrier must be appropriately installed with penetration and junction flashing in accordance with local building code requirements.
- E. Install Engineered for Climate HardieWrap weather barrier in accordance with local building code requirements.
- F. Use HardieWrap Seam Tape and joint and laps.
- G. Install and HardieWrap flashing, HardieWrap Flex Flashing.

3.3 INSTALLATION - HARDIEPLANK HZ10 LAP SIDING, WITH LOCK JOINT SYSTEM

- A. Install materials in strict accordance with manufacturer's installation instructions.
- B. Starting: Install a minimum 1/4 inch (6 mm) thick lath starter strip at the bottom course of the wall. Apply planks horizontally with minimum 1-1/4 inches (32 mm) wide laps at the top. The bottom edge of the first plank overlaps the starter strip.
- C. Allow minimum vertical clearance between the edge of siding and any other material in strict accordance with the manufacturer's installation instructions.
- D. Align vertical joints of the planks over framing members.
- E. Butt joints must not fall within 4 inches (102 mm) of a stud. Do not nail within 2 inches (51 mm) of the end of planks.
- F. Maintain clearance between siding and adjacent finished grade.
- G. Locate splices at least one stud cavity away from window and door openings.
- H. For proper fastener selection and fastening schedules for various wind load requirements and framing options, refer to the Technical Data Sheet at www.aspyredesign.com.
- I. Face nail to sheathing.
- J. Locate splices at least 12 inches (305 mm) away from window and door openings.

3.4 INSTALLATION - HARDIEPANEL HZ10 VERTICAL SIDING

- A. Install materials in strict accordance with manufacturer's installation instructions.
- B. Block framing between studs where HardiePanel siding horizontal joints occur.

- C. Install metal Z flashing and provide a 1/4 inch (6 mm) gap at horizontal panel joints.
- D. Place fasteners no closer than 3/8 inch (9.5 mm) from panel edges and 2 inches (51 mm) from panel corners.
- E. Allow minimum vertical clearance between the edge of siding and any other material in strict accordance with the manufacturer's installation instructions.
- F. Maintain clearance between siding and adjacent finished grade.
- G. Specific framing and fastener requirements refer to Tables 2 and 3 in National Evaluation Service Report No. NER-405.
- H. Factory Finish Touch Up: Apply touch up paint to cut edges in accordance with manufacturer's printed instructions.
 1. Touch-up nicks, scrapes, and nail heads in pre-finished siding using the manufacturer's touch-up kit pen.
 2. Touch-up of nails shall be performed after application, but before plastic protection wrap is removed to prevent spotting of touch-up finish.
 3. Use touch-up paint sparingly. If large areas require touch-up, replace the damaged area with new pre-finished siding. Match touch up color to siding color through use of manufacturer's branded touch-up kits.

3.5 INSTALLATION - HARDIETRIM HZ10 BOARDS

- A. Install materials in strict accordance with manufacturer's installation instructions. Install flashing around all wall openings.
- B. Fasten through trim into structural framing or code complying sheathing. Fasteners must penetrate minimum 3/4 inch (19 mm) or full thickness of sheathing. Additional fasteners may be required to ensure adequate security.
- C. Place fasteners no closer than 3/4 inch (19 mm) and no further than 2 inches (51 mm) from side edge of trim board and no closer than 1 inch (25 mm) from end. Fasten maximum 16 inches (406 mm) on center.
- D. Maintain clearance between trim and adjacent finished grade.
- E. Trim inside corner with a single board trim both side of corner.
- F. Outside Corner Board Attach Trim on both sides of corner with 16 gage corrosion resistant finish nail 1/2 inch (13 mm) from edge spaced 16 inches (406 mm) apart, weather cut each end spaced minimum 12 inches (305 mm) apart.
- G. Allow 1/8 inch gap between trim and siding.
- H. Seal gap with high quality, paint-able caulk.
- I. Shim frieze board as required to align with corner trim..
- J. Fasten through overlapping boards. Do not nail between lap joints.
- K. Overlay siding with single board of outside corner board then align second corner board to outside edge of first corner board. Do not fasten HardieTrim boards to HardieTrim boards.
- L. Shim frieze board as required to align with corner trim.
- M. Install HardieTrim Fascia boards to rafter tails or to sub fascia.

3.6 FINISHING

- A. Finish unprimed siding with a minimum one coat high quality, alkali resistant primer and one coat of either, 100 percent acrylic or latex or oil based, exterior grade topcoats or two coats high quality alkali resistant 100 percent acrylic or latex, exterior grade topcoat within 90 days of installation. Follow paint manufacturer's written product recommendation and written application instructions.
- B. Finish factory primed siding with a minimum of one coat of high quality 100 percent acrylic or latex or oil based exterior grade paint within 180 days of installation. Follow paint manufacturer's written product recommendation and written application instructions.

3.7 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

METAL DOORS AND FRAMES 08100 PART 1 --

GENERAL

1.1 WORK

- A. Provide and install metal doors and frames where shown on the Drawings and as specified herein.
- B. Door and frame types and sizes shall be as per the Drawings and Door Schedule; New doors and frames shall match the existing.

1.2 QUALITY STANDARDS

- A. Provide experienced, well-trained workers competent to complete the work as specified.
- B. Unless approved by the Architect, provide all related products and accessories from one manufacturer.

1.3 SUBMITTALS

- A. Submit the following within 30 calendar days after receiving the Notice to Proceed. Submit list of materials to be provided for this work.

Submit manufacturer's data required to prove compliance with these Specifications. Submit manufacturer's installation instructions.

Submit Shop Drawings with complete details and assembly instructions.

1.4 MATERIALS HANDLING

- A. Provide all materials required to complete the work as shown on Drawings and specified herein. Deliver and transport materials to avoid damage to the product or to any other work. Return any products or materials delivered in a damaged or unsatisfactory condition. Materials and products delivered will be certified by the manufacturer to be as specified.
- B. Store materials safely to avoid damage and locate to expedite the work. Store delivered doors consistently vertical or flat. Provide sheet materials at bottom and top sides, to protect doors from damage. Lift and carry doors when moving them; do not drag into position.

PART 2 -- MATERIALS AND PRODUCTS

2.1 METAL DOORS

- A. Provide full flush doors of sizes, thickness, and types shown in Drawings and Door Schedule. 18 gauge steel for interior doors. 16 gauge steel for exterior doors. Reinforced for finish hardware.
- B. Provide doors that are straight, free of defects and blemishes, and have correct finish material thickness. Doors will be complete with reinforcing and backing plates.

- C. Verify that factory preparation and prefitting follow required hardware templates.
- D. Provide door glazing with stops as required and labeled safety glass.
- E. Provide fire-rated doors and fire-rated assemblies that comply with all building code and fire code requirements.
- F. Louvers as shown on Door Schedule. 24 gauge steel in 20 gauge frames.
- G. Doors shall be as manufactured by: AMWELD BUILDING PRODUCTS; CURRIES CO.; STEELCRAFT OR PRIOR APPROVED EQUAL.

2.2 METAL FRAMES

- A. Provide metal frames as per Drawings and Door Schedule. Welded frames with mitered corners. 16 gauge steel for interior doors, 14 gauge steel for doors over 5' wide. 14 gauge steel for exterior doors. Reinforced for finish hardware.
- B. Metal frames shall be as manufactured by:
- C. Provide cleaned, shop-primed frames ready for finish painting. Painting as per Section of these Specifications.

2.3 FINISH HARDWARE

- A. Manufacturer shall prepare frames for finish hardware using hardware supplier's templates. Use hardware supplier's templates to install or prepare for all finish hardware.

PART 3 -- CONSTRUCTION AND INSTALLATION

3.1 PRECONSTRUCTION AND PREPARATION

- A. Examine and verify that job conditions are satisfactory for speedy and acceptable work.
- B. Do not allow door swings to conflict with electrical switches or outlets, wall guards or rails.

3.2 INSTALLATION

- A. Mount frames prior to wall construction wherever practical to do so. Mount frames plumb, straight, and securely braced until permanently anchored.
- B. Hang doors straight, plumb, smooth in opening and closing.
- C. Provide clearances below doors as necessary to allow for thresholds, weatherstripping, etc.
- D. Do not cut fire-rated doors so as to negate fire rating.
- E. Seal or re-seal doors whenever they are cut. Seal, stain, or paint exterior doors before or immediately after installing them.

3.3 INSPECTION, REPAIR, AND TOUCH-UP

A. After installation, inspect all doors and frames to find and repair damaged surfaces. Repair or replace any damaged materials so that repairs are undetectable. Any costs for replacing doors for non-compliance will be paid by the Contractor.

B. Final door mounts shall be square, smooth operating, and plumb when doors are closed, partially open, and fully open.

END OF SECTION

SECTION - FINISH HARDWARE SCHEDULE

PART 1 - GENERAL

RELATED DOCUMENTS:

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections, apply to the work of this session.

SUBMITTALS:

Provide complete hardware schedule including cut sheets on all hardware items, including finishes. PART 2 –

PRODUCTS

All hardware to match existing in style, size and finishes.

BUTTS:

Provide template produced units. Hinges shall be mortise type, 5-knuckle, except where indicated.

Pins: Exterior doors shall have non-removable pins; Interior doors, non-rising pins. Tips: Flat button and matching plug.

Provide butts which will continuously support weights equal to or exceeding those recommended by the Manufacturer.

LOCK CYLINDERS AND KEYING:

General: Supplier will meet with Owner to finalize keying requirements and obtain final instructions in writing.

Existing System: Key the locks to the Owner's existing system, with a new master key for the project.

Locks: Equipment locks with cylinders for interchangeable-core pin tumbler inserts. ONLY Patented System "Stanley / Best" Cores to match campus standard. "VERIFY WITH GSU"

Cylinders to be compatible with these. Contractor to include cost of cores in base bid. Contractor shall supply and install construction cores in locks to secure the space during construction.

Stanley/Best to ship permanent lock cores directly to the User Agency, who will install them when project is accepted as substantially complete.

Metals: Construct lock cylinder parts from brass/bronze, stainless steel or nickel silver.

Master Keying: Comply with the Owner's instructions for master keying and, except as otherwise indicated, provide individual change key for each lock which is not designated to be keyed alike with a group of related locks.

Key Material: Provide keys of nickel silver only.

Key Quantity: Furnish three change keys for each lock; Five master keys for each master system. Furnish one extra blank for each lock.

Deliver keys to Owner's representative.

LOCKS, LATCHES AND BOLTS:

Strikes: Provide Manufacturer's standard wrought box strike for each latch or lock bolt, with curved lip extended to protect frame, finished to match hardware set.

Provide dust-proof strikes for foot bolts, except where special threshold construction provides non-recessed strike for bolt.

Provide roller type strikes where recommended by Manufacturer of the latch and lock units.

Lock Throw: Provide 5/8" minimum throw on latch and deadbolts used on pairs of doors. Comply with UL requirements for throw of bolts and latch bolts on rated fire openings.

Provide 1/2" minimum throw on other latch and deadlock bolts.

Flush Bolt Heads: Minimum of 1/2" diameter rods of brass, bronze or stainless steel, with minimum 12" long rod.

Flush Bolt Bottoms: Same as head with dustproof strike at floor.

PUSH / PULL UNITS:

Exposed Fasteners: Provide Manufacturer's standard exposed fasteners for installation through bolted for matched pairs, but not for single units.

CLOSERS AND DOOR CONTROL DEVICES:

Size of Units: Except as otherwise specifically indicated, comply with the Manufacturer's recommendations for size of door control unit, depending upon size of door, exposure to weather and anticipated frequency of use.

Where parallel arms are required for closers, provide closer unit one size larger than recommended for use with standard arms.

Closer Location: Do not install closers on the outside of any exterior door nor on the corridor side of any room door. Wherever it is necessary to install a closer on the side of a door away from the butts, a parallel arm shall be used. Corner or soffit brackets will not be permitted. Corridor installation is acceptable where abutting walls prevent normal installation. All fastenings to the door shall be by sex bolts or other type of through bolts acceptable to the Architect.

Combination Door Closers and Holders:

Provide closers with hold-open feature except where another type of hold-open feature is provided or where forbidden by Safety regulations.

Provide units where indicated, designed to hold door in open position under normal usage and to release and automatically close door under fire conditions. Incorporate an integral electromagnetic holder mechanism designed for use with UL listed fire detectors, provided with normally closed switching contacts.

Provide integral smoke detector device in combination door closers and holders complying with UL 228.

Exposed floor Plates: Except where floor closers occur in carpeted floor finish areas, provide finished metal flush dress plates. Finish exposed plates to match thresholds (If Any), or to match hardware sets (If no Threshold), unless otherwise indicated.

At exterior doors, provide threshold as an integral part of the floor plate for floor closers.

Flush Bolts: Provide automatic flush bolts and coordinator for pairs of automatically closing fire doors.

Exit Devices: Provide touchbar design meeting ANSI A156.3, Grade 1 with 5/8" min. latch bolt protection. Provide guards on exposed vertical rod devices to comply with ADA requirements.

KICK PLATES AND ARMOR PLATES:

General: Fabricate kick and armor plates with bevel on top and both sides. Fasten with screws spaced no more than 4 inches on center.

Stainless Steel: Fabricate kick plates from 16 gauge stainless steel (US32D) 10 inches high x width of door, less 2 inches

STRIPPING AND SEALS:

Continuity of Stripping: Except as otherwise indicated, it is required that the stripping at each opening be continuous and without unnecessary interruptions at door corners and hardware.

Replaceable Seal Strips: It is required that the resilient or flexible seal strip of every unit be easily replaceable and readily available from stocks maintained by the Manufacturer.

Weatherstripping: Provide types of weatherstripping indicated, properly prepared for attachment to supporting units.

Bumper Type: Provide bumper type weatherstripping at jambs and head, including a resilient insert and metal retainer strip, surface-applied unless shown as mortised or semi-mortised, of the following metal, finish and resilient bumper material:

Extruded aluminum with aluminum or bronze anodized finish as required; 0.062" minimum thickness of main walls and flanges.

Closed-cell sponge neoprene insert, 1/4" x 3/4".

Foam Type: Provide flexible polyurethane foam type sound-stripping at jambs and head, with adhesive backing, for direct application to stops at head and lock jamb, and to jamb at hinges. Provide 1/4" x 1/2" size, except as otherwise shown or required for proper seal and door operation.

Threshold Type: Provide threshold-contact type weather stripping at door bottom, including resilient insert and metal housing of the design and size shown; of the following metal, finish and resilient seal

strip:

Extruded aluminum with natural anodized finish; 0.062" minimum thickness of main walls and flanges.

Solid neoprene loop seal strip.

Automatic Drop Seal: Provide automatic drop-seal sound-stripping door-bottom unit of Manufacturer's standard design, with operating seal bar of the following material retained in an extruded metal bar and capable of operating to close a 3/4" gap (from door bottom to floor or threshold). House mechanism and operating bar in the following metal housing, for mounting on doors as follows:

Seal: Closed-cell sponge neoprene.

Housing: Extruded aluminum, 0.062" thick, with medium bronze or aluminum anodized finish as required on exposed surfaces.

Mounting: Semi recessed, except as otherwise indicated. Mount on stop-face of doors.

Astragal: Provide metal Astragal Bar, not less than 1/8" X 1-3/4" for exposed flat head screw mounting on one leaf on pairs of exterior doors, fire doors, smoke doors and other pairs of doors where noted as follows:

Cold rolled steel, prime paint finish.

Fire/Smoke Seals: Provide an approved seal at all rated doors. This shall include head, jambs, and sill.

Stops: Provide one of the following at all doors:

Wall Stop Floor
Stop Overhead
Stop

THRESHOLDS:

Metal: Extruded aluminum, smooth commercial finish.

Surface Pattern: Grooved tread, Manufacturer's standard.

Width: As indicated, but not less than 4 inches if not otherwise indicated.

Minimum Thicknesses: Produce units with the indicated minimum thicknesses, exclusive of surface pattern grooves.

Extrusions: 0.25" for direct tread surfaces, 0.1875" for secondary tread surfaces, and 0.125" for unexposed flanges and legs.

Construction: Single-piece or multiple-piece construction at contractor's option, complying with manufacturer's recommendations.

Profile: Provide Manufacturer's standard unit which conforms with the minimum size and profile requirements as shown or otherwise indicated.

For exterior doors, provide profile designed to form a weather seal, of the appropriate type for the swing of door.

Floor Drop: Except where no change in floor elevation is shown (From Inside to Outside), provide profile which accommodates 1/2" drop in floor elevation, unless another dimension is shown.

For swing-out doors provide units with stop or hook to act as weather bar.

For swing-in doors, provide hook-bar and drain channel to minimize infiltration of moisture and air.

For doors equipped with panic hardware including floor bolts, provide profile with stop bar of proper size and shape to function as the strike plate for the floor bolts.

No threshold may exceed 1/2" in height and shall be "ADA" compliant.

RUBBER THRESHOLD RAMPS:

Material: 100% recycled rubber

Width: Match width of sloped platform access walkway

Thickness: 1/4" minimum – 4" max

Surface Pattern: None required

Construction: Single or multiple layer

Profile: Meet ADA requirements

Manufacturers: Reese Enterprises
EZ Handi-Ramp

HARDWARE FINISHES:

Provide matching finishes for hardware units at each door or opening, to the greatest extent possible, and except as otherwise indicated. Reduce differences in color and textures as much as commercially possible where the base metal or metal forming process is different for individual units of hardware exposed at the same door or opening. In general, match items to the manufacturer's standard finish for the latch and lock set (or push-pull units if no latch-lock sets) for color and texture. Provide finish on exposed cabinet hardware to match that of room door hardware unless otherwise indicated.

Provide finishes which match those established by BHMA or, if none established, match the Architect's sample.

Provide quality of finish, including thickness of plating or coating (If Any), composition, hardness and other qualities complying with manufacturer's standards, but in no case less than specified for the applicable units of hardware by FSFF-H-106, FSFF-H-111, FSFF-H-121.

The designations used in schedules and elsewhere to indicate hardware finishes are the industry- recognized standard commercial finishes, except as otherwise noted.

SILENCERS:

Provide gray rubber silencers for interior metal frames, 3 for each single door and 2 for each pair of doors, except at fire doors.

ACCEPTABLE DESIGNS AND MANUFACTURERS:

Butts and hinges finish to be 26D. Provide ball bearing butts where closers are required.

Provide size of butt determined by door size as indicated below with throw as required to clear trim. Doors 3'-4" wide and over to have 4 ball bearing, extra heavy.

<u>DOOR THICKNESS</u>	<u>DOOR WIDTH</u>	<u>HINGE SIZE</u>
1-3/4"	To 36"	4-1/2"
1-3/4"	36" to 48"	5"
1-3/4"	over 48"	6"

Width of butt shall be no greater than is necessary to swing door clear of opening and to clear adjacent trim or other obstruction.

Equivalent series of acceptable butts are:

<u>MCKINNEY</u>	<u>HAGERSTANLEY</u>	<u>LAWRENCE</u>	<u>BOMMER</u>
TA2714	BB1279FBB179	BB4101	Single Acting Spring
T4A3786	BB1168FBB168	BB5151	Double Acting Spring
T2714	1279	179	SC2481 (Grade 1)

Pivots:

Provide pivots specifically recommended by the manufacturer for the size and weight of door for which they are to be used.

Acceptable Manufacturers: LCN; Rixon-Firemark, Stanley, Dor-O-Matic.

Locks, Latches and Cylinders:

Provide heavy duty mortise lock sets for exterior doors unless otherwise noted.

Provide heavy duty cylindrical lock sets for exterior and interior doors unless otherwise noted. Finish: US

26D unless otherwise noted.

All lever handles shall have "breakaway" lever trim.

Acceptable manufacturers and designs:

ONLY Stanley/Best patented lock cores will be accepted. Cylinders to be compatible with these. Contractor to include cost of cores in base bid.

Stanley/Best to ship permanent lock cores directly to the User Agency, who will install them. Bolts -

Flush:

Finish: Match lockset finish.

Acceptable Manufacturers: Trimco; quality, Ives.

Stripping and Seals:

Acceptable Manufacturers: Zero; May, Sager.

Thresholds:

Acceptable Manufacturers: Zero; May, Sager.

Door Stops:

Equal to Ives No. BPO60F3

Door Lock Guard Plates:

Provide lock guard plate at all exterior doors that do not have deadbolts.

HARDWARE SETS:

The following list provides a general listing of hardware requirements and is not intended for use as a final hardware schedule. Any items of hardware required by established standards or practices, or to meet state and local codes shall be furnished whether or not specifically called out in the listed groups.

HW-1 Exterior Hollow Metal Doors

3 Ea	Hinge
1 Ea	Mortise Lock (F05) 1
Ea	Closer
1 Ea	Threshold
1 Ea	Stripping and Seals 1
Ea	Floor Stop
3 Ea	Silencer
1 Ea	Kick Plate

END OF SECTION

SECTION - PAINTING

PART 1 - GENERAL

RELATED REQUIREMENTS INCLUDED ELSEWHERE

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections, apply to the work of this section.

SCOPE OF WORK

The work to be done by the painting contractor shall include the furnishing of all materials, labor, tools, and equipment required to complete the painting and decorating of the building(s) as specified. The contractor that performs this work shall be fully responsible for having his equipment comply with current OSHA regulations, and to have available all Material Safety Data sheets that pertain to the products used. The submission of a bid by this contract confirms an understanding of all conditions pertaining to this work and proper application of materials specified.

WORK NOT INCLUDED, UNLESS OTHERWISE SPECIFIED:

Aluminum, copper, brass, bronze, stainless steel, or nickel surfaces.

Shop coating on steel doors, door and window sash and frames, structural steel and fittings. Pre-finished wall, ceiling and floor coverings.

Baked enamel doors, frames, rails or partitions.

Concealed items, unless specifically called for to be painted. Code required labels (Example: "UL").

WORKMANSHIP

Qualified paint contractor shall have at least five years of experience working on historic properties and provide a list of comparable jobs that the Architect and Owner can see.

All materials shall be applied free from runs, sags, wrinkles, streaks, shiners, and brush marks.

All materials shall be applied uniformly. If any reduction of the coating's viscosity is necessary, it shall be done in accordance with the manufacturer's label directions.

Before painting begins, all other crafts shall have completed their work, and shall have removed all dirt and debris resulting therefrom. The rooms or areas are to be left in broom clean condition.

Enamel and varnish undercoats are to be sanded smooth prior to recoating. Tops and bottoms of doors are to be finished in same manner as door facing, after the carpenters complete filling of them.

MATERIALS:

Bids are to be based on coatings as manufactured by Benjamin Moore & Co., Sherwin Williams or

approved equal. Only one manufacturer will be used on this project.

All paint and coatings must be delivered to the job site in manufacturer's original containers.

The contractor shall prepare proper size acceptable samples of each color and sheen required for approval by the project architect.

It is to be understood by the general contractor and the painting contractor that all coatings must conform to all state and local regulations including VOC/VOS rules at the time of application.

Lead/Mercury - the contractor shall not use paints formulated with these materials. If the architect references a product that contains one of these materials, the contractor shall notify the architect in writing.

Contractor is wholly responsible for compatibility and bonding of all materials including application to both new and existing surfaces.

PREPARATION OF SURFACES:

The contractor shall be wholly responsible for the quality of his work and is not to commence any part of it until surface is in proper condition.

If the contractor considers a surface unsuitable for proper finishing, he is to notify the architect of this fact in writing. He is not to apply any material until corrective measures have been taken, or the architect has instructed him to proceed.

All surfaces are to be clean. If for any reason the surface cannot be cleaned, this condition shall be promptly reported to the architect.

If the painting contractor has been instructed by the General Contractor to begin painting under conditions and circumstances he believes could result in poor performance and early failure of the coatings, he shall request the architect for a decision in writing.

The prime coat should be applied soon after surface preparation has been completed, to prevent contamination of the substrate.

STORAGE:

The Contractor will provide for a secure space for the storage of all painting materials and equipment, for the exclusive use of the painting contractor. He will be responsible to maintain and leave it free from fire hazards relating to improperly stored rags or thinners.

INSPECTION:

Any work not conforming to the specifications or not meeting the approval of the architect shall be removed or corrected and/or repainted as approved by the architect.

REMOVAL:

Upon completion of a room or area, it shall be left in a clean and orderly condition, and all paint spatters, contaminated rags, and trash shall be removed.

Upon completion of the job, the contractor is to remove all surplus materials, scaffolds, etc., that relate to his trade, from the premises. He shall clean all window glass free of excess paint and spatters and

remove paint that has been misplaced on other surfaces.

PAINT REMOVAL/DISPOSAL:

When the removal of paint containing lead or mercury is required, the contractor is responsible for complying with federal, state and local laws and regulations concerning abatement.

In particular:

Louisiana Revised Statutes of 1950 (R.S. 30:2351-2351.60) Chapter 15-A Lead Hazard Reduction, Licensure and Certification.

U.S. Department of Labor OSHA regulation 29CFR Part 1926 Lead Exposure in Construction; Interim Final Rule

EXTRA MATERIALS:

The contractor shall provide one unopened gallon of paint of each type and color specified for the Owner's use upon completion of the project. Deliver to the Owners representative prior to close-out.

PART 2 - PRODUCTS: (Not Applicable) See Section

PART 3 - EXECUTION:

INTERIOR and EXTERIOR SURFACES - NEW CONSTRUCTION:

Wood, to be painted:

All surfaces shall be dry and sanded smooth, free of loose dirt, dust and oil.

Putty all nail holes, cracks, and blemishes after undercoater has been applied. Knots are to be coated with SPS or QD 30 before overall coat of enamel underbody is applied.

All coats must be thoroughly dry before applying succeeding coats, and lightly sanded between coats. Avoid general use of shellac as an undercoat.

After fitting by the carpenter, top and bottom of all doors must be primed with the same as the face of the doors.

Wood, to be stained; Natural Wood (clear finish):

All surfaces shall be dry and sanded smooth, free of loose dirt, dust or grit.

Fill all nail holes, cracks, and blemishes after staining with filler tinted to match the color of the wood or stain.

After fitting by the carpenter, top and bottom of all doors must be sealed with a clear coating. Drywall:

All surfaces must be free of sanding dust, and joint treatment cement should be thoroughly dry.

Damaged or defective surfaces are to be repaired by spackling or by other appropriate measures. Steel corner beading is to be coated with SPS before applying water-thinned coatings.

Metal, Ferrous:

All metal surfaces shall be washed with solvent to remove extraneous dirt, grease, and oil before painting.

Where shop coat is abraded and rust has developed, remove by sanding and spot prime immediately with rust inhibitive primer.

END OF SECTION

ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS PART 1 • GENERAL**1.1 Related Documents**

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

1.2 Summary

- A. Section includes Aluminum wide stile manual entrance doors, glass and glazing, and door hardware and components.
- B. Related Sections:
- 08700 "Hardware"
 - 28000 "Electronic Safety and Security"

1.3 Definitions

- A. Definitions: For fenestration industry standard terminology and definitions refer to American Architectural Manufacturers Association (AAMA) - AAMA Glossary (AAMA AG).

1.4 Performance Requirements

- A. General Performance: Aluminum-framed entrance system shall withstand the effects of the following performance requirements without failure due to defective manufacture, fabrication, installation, or other defects in construction.
- B. Aluminum Framed Entrance Performance Requirements:
- Structural Performance: Conduct tests for structural performance with ANSI/ASTM E 330. At the conclusion of the tests there shall be no glass breakage or permanent damage to fasteners, anchors, hardware or actuating mechanism. Framing members shall have no permanent deformation in excess of 0.2 percent of their clear span.
 - Design and size components, connections, bracing, etc. to withstand dead and live loads caused by positive and negative wind pressure acting normal to plane of wall as required by *and* calculated in accordance with the International Building Code 2015 and Supplements from applicable parish and ASCE 7-02, measured in accordance with ANSI/ASTM E330 and when tested in accordance with ANSI/ASTM E330, based on wind loads indicated on the S-series drawings and corners as required by the codes; also withstand all dead loads of attached/bearing construction.; also withstand all dead loads of attached/bearing construction.
 - Limit mullion deflection when subjected to wind load specified to flexure limit of glass or U175 whichever is less and in no case greater than 3/4"; with full recovery of glazing materials and allow at Jstress with a safety factor of 1.65.
 - Deflection Parallel to the Plane of the Wall: Test pressures required to measure deflection parallel to the plane of the wall shall be equal to 1.5 times the wind pressures specified above. Deflection of any member carrying its full dead load shall not exceed an amount that will reduce glass bite below 75 percent of the design dimension and shall not reduce the edge clearance between the member and the fixed panel, glass or other fixed member above to less than 1/8 inch. The clearance between the member and an operable door or window shall be at least 1/16 inch.
 - System to accommodate, without damage to components or deterioration of seals, movement within system, movement between system and peripheral construction, dynamic loading and release of loads and deflection of structural support framing.
 - Air Infiltration: Limit air leakage through assembly to 0.06 cfm/in² sq ft of wall area, measured at a reference differential pressure across assembly of 20% of design load as measured in accordance with AAMA 501 or ANSI/ASTM E283.
 - Water Leakage: *None*, when measured in accordance with AAMA 501 or ANSI/ASTM E331 with a test pressure difference of 20% of design load, but in no case less than 8.0 lbs. per sq. ft. for storefront and 12 per sq. ft at windows
 - Thermal Movement: System to provide for expansion and contraction within system components caused by a cycling temperature range of 170 degrees F over a 12 hour period without causing detrimental affect to system components.
 - Drain water entering joints, condensation occurring in glazing channels, or migrating moisture occurring within system, to the exterior by a weep drainage network.

PART 2:**2.1 Submittals**

- A. Product Data: Include construction details, material descriptions, and fabrication methods, dimensions of individual components and profiles, hardware, finishes, and installation instructions for each type of aluminum-framed entrance door indicated.

- 8. Shop Drawings: Include plans, elevations, sections, details, hardware, and attachments to other work, operational clearances and Installation details.
- C. Samples for initial Selection: For units with factory-applied color finishes including samples of hardware and accessories involving color selection.
- D. Samples for Verification: For aluminum-framed entrance door and components required.
- E. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency for each type of aluminum-framed entrance doors.
- F. Fabrication Sample: Corner sample consisting of a door stile and rail, of full-size components and showing details of the following:
 - 1. Joinery, including welds.
 - 2. Glazing.
- G. Other Action Submittals:
 - 1. Entrance Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of entrance door hardware, as well as procedures and diagrams. Coordinate final entrance door hardware schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of entrance door hardware.

2.2 Quality Assurance

- A. Installer Qualifications: An installer which has had successful experience with installation of the same or similar units required for the project and other projects of similar size and scope.
- B. Manufacturer Qualifications: A manufacturer capable of fabricating aluminum-framed entrance doors and storefronts that meet or exceed performance requirements indicated and of documenting this performance by inclusion of test reports, and calculations.
- C. Source Limitations: Obtain aluminum-framed entrance door through one source from a single manufacturer.
- D. Product Options: Drawings indicate size, profiles, and dimensional requirements of aluminum-framed entrance doors and are based on the specific system indicated
- E. Mockups: Build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
 - 1. Build mockup for type(s) of swing entrance door(s) indicated, in location(s) shown on Drawings.
- F. Pre-installation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section 'Project Management and Coordination'.

2.3 Project Conditions

- A. Field Measurements: Verify actual dimensions of aluminum-framed entrance door openings by field measurements before fabrication and indicate field measurements on Shop Drawings.

2.4 Warranty

- A. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty.
 - 1. Warranty Period: Two (2) years from Date of Substantial Completion of the project provided however that the Limited Warranty shall begin in no event later than six months from date of shipment by manufacturer.

PART 3 • PRODUCTS

3.1 Manufacture

- A. Basis-of-Design Product:
 - 1. Kawneer Company Inc.
 - 2. The door stile and rail face dimensions of the 500-entrance door will be as follows

Door	Vertical Stile	Top Rail	Bottom Rail	Optional Bottom Rail
500	5' (127 mm)	5' (127 mm)	6-1/2' (166 mm)	10' (254 mm)
 - 3. Major portions of the door members to be 0.125' (3.2) nominal in thickness and glazing molding to be 0.05" (1.3) thick.
 - 4. Glazing gaskets shall be either EPDM elastomeric extrusions or a thermoplastic elastomer.
 - 5. Provide adjustable glass jacks to help center the glass in the door opening.
- B. Subject to compliance with requirements, provide a comparable product by the following:
 - 1. Manufacturer: Vistawall, CR Lawrence, and U.S. Aluminum Corp.

- C. Substitutions: Refer to Substitutions Section for procedures and submission requirements
 - 1. Pre-Contract (Bidding Period) Substitutions: Submit written requests ten (10) days prior to bid date.
 - 2. Product Literature and Drawings: Submit product literature and drawings modified to suit specific project requirements and job conditions.
 - 3. Certificates: Submit certificate(s) certifying substitute manufacturer (1) attesting to adherence to specification requirements for aluminum-framed entrance door system performance criteria, and (2) has been engaged in the design, manufacture and fabrication of aluminum-framed entrance doors for a period of not less than ten (10) years. (Company Name)
 - 4. Test Reports: Submit test reports verifying compliance with each test requirement required by the project.
 - 5. Samples: Provide samples of typical product sections and finish samples in manufacturers standard sizes.
- D. Substitution Acceptance: Acceptance will be in written form, by an addendum.

3.2 Materials

- A. Aluminum Extrusions: Alloy and temper recommended by aluminum-framed entrance door manufacturer for strength, corrosion resistance, and application of required finish and not less than 0.090" (2.3 mm) wall thickness at any location for the main frame and door leaf members.
- B. Fasteners: Aluminum, nonmagnetic stainless steel or other materials to be non-corrosive and compatible with aluminum-framed entrance door members, trim hardware, anchors, and other components,
- C. Anchors, Clips, and Accessories: Aluminum, nonmagnetic stainless steel, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.
- D. Reinforcing Members: Aluminum, nonmagnetic stainless steel, or nickel/chrome-plated steel complying with ASTM B 456 for Type SC 3 severe service conditions, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions or other suitable zinc coating; provide sufficient strength to withstand design pressure Indicated.
 - 1. Weather Seals: Provide weather stripping with integral barrier fin or fins of semi-rigid, polypropylene sheet or polypropylene-coated material. Comply with AAMA 7011702.

3.3 Storefront Framing System

- A. Storefront Entrance Framing:
 - 1. Trifab™ VG 451.
- B. Non-Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with no staining, nonferrous shims for aligning system components.
- C. Fasteners and Accessories: Manufacturers standard corrosion-resistant, no staining, nonbleeding fasteners and accessories compatible with adjacent materials. Where exposed shall be stainless steel.
- D. Perimeter Anchors: When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.
- E. Packing, Shipping, Handling and Unloading: Deliver materials in manufacturers original, unopened, undamaged containers with identification labels intact.
- F. Storage and Protection: Store materials protected from exposure to harmful weather conditions. Handle storefront material and components to avoid damage. Protect storefront material against damage from elements, construction activities, and other hazards before, during and after storefront installation.

3.4 Glazing

- A. Glazing: 1/4 inch Tempered.
- B. Glazing Gaskets: Manufacturer's standard compression types; replaceable, extruded EPDM rubber.
- C. Spacers and Setting Blocks: Manufacturer's standard elastomeric type.

3.5 Hardware

- A. General: Provide manufacturer's standard hardware fabricated from aluminum, stainless steel, or other corrosion-resistant material compatible with aluminum; designed to smoothly operate, tightly close, and securely lock aluminum-framed entrance doors.
- B. Standard Hardware:
 - 1. Weather-stripping:
 - a. Meeting stiles on pairs of doors shall be equipped with an adjustable astragal utilizing wool pile with polymeric fin.
 - b. The door weathering on a single acting offset pivot or butt hung door and frame (single or pairs) shall be comprised of a thermoplastic elastomer weathering on a tubular shape with a semi-rigid polymeric backing.

2. Sill Sweep Strips: EPDM blade gasket sweep strip in an aluminum extrusion applied to the interior exposed surface of the bottom rail with concealed fasteners (Necessary to meet specified performance tests).

- ;; Threshold: Extruded aluminum, one piece per door opening, with ribbed surface.
 - 4. Butt Hinge: Kawneer Standard Stainless-Steel w/ Powder Coating & Non-Removable Pin (NRP) (NOTE: EL Hinge available for access control)
 - 5. Push/Pull:
 - 6. Exit Device:.
 - 7. Closer:
 - 8. Security Lock/Dead Lock: Active Leaf
 - 9. Latch Handle:
 - 10. Cylinder s)/Thumbturn:
 - 11. Electric Strike/Strike Keeper:
- C. Optional Hardware:
- 1. Adams Rite MS 1850A-505 Hook bolt Lock.
 - 2. Mortise cylinder, interior or exterior.
 - 3. Thumbnut, interior.
 - 4. Flush pull.
- D. Access Control Entrance Hardware:
- 1. Stand-alone Key Pad: AC-G43 Key Pad System - Kawneer Standard.
 - 2. Standalone Key Pad (with Optional Proximity Card Reader): AC-G44 Key Pad/ Reader (Note: Proximity Cards not included).
 - 3. Proximity Cards.
 - 4. Exit Device: Kawneer Paneline™ MEL
 - 5. Power supply for Exit Device: SP-2000 (One per pair. Max of 2 doors per power supply) **Required for Paneline™ MEL**
 - 6. Power Transfer One per EL Exit Device required for access control.
 - a. EPT (Electric Power Transfer) Note: EPT used for continuous hinge applications.
 - b. EL Intermediate Pivot.
 - c. EL Butt Hinge.
 - 7. Interior push button release.
 - 8. Point to Point wiring diagram.

3.6 Fabrication

- A. Fabricate aluminum-framed entrance doors in sizes indicated. Include a complete system for assembling components and anchoring doors.
- B. Fabricate aluminum-framed glass doors that are reglazable without dismantling perimeter framing.
 - 1. Door corner construction shall consist of mechanical clip fastening, SIGMA deep penetration plug welds and 1-1/8" (29 mm) long fillet welds inside and outside of all four corners. Glazing stops shall be hook-in type with EPDM glazing gaskets reinforced with non-stretchable cord.
 - 2. Accurately fit and secure joints and corners. Make joints hairline in appearance.
 - 3. Prepare components with internal reinforcement for door hardware.
 - 4. Arrange fasteners and attachments to conceal from view.
- C. Weather-stripping: Provide weather-stripping locked into extruded grooves in door panels or frames as indicated on manufacturer's drawings and details.

3.7 Aluminum Finishes

- A. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.
- B. Factory Finishing:
 - 1. Kawneer Permanodic™ M-M10C21A31, AAMA 611, Architectural Class II Clear Anod[c Coating (Color#17 Clear) (Standard).

PART 4 • EXECUTION

4.1 Examination

- A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work. Verify rough opening dimensions, levelness of sill plate and operational clearances. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure a coordinated installation.
 - 1. Masonry Surfaces: Visibly dry and free of excess mortar, sand, and other construction debris.
 - 2. Wood Frame Walls: Dry, clean, sound, well nailed, free of voids, and without offsets at joints. Ensure that nail heads are driven flush with surfaces in opening and within 3 inches (76.2 mm) of opening.
 - 3. Metal Surfaces: Dry; clean; free of grease, oil, dirt, rust, corrosion, and welding slag; without sharp edges or offsets at joints.
 - 4. Proceed with installation only after unsatisfactory conditions have been corrected.

4.2 Installation

- A. Com y with Drawings, Shop Drawings, and manufacturer's written instructions for installing aluminum-framed entrance doors, hardware, accessories, and other components.
- B. Install aluminum-framed entrance doors level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and In proper relation to wall flashing and other adjacent construction.
- C. Set sill threshold in bed of sealant, as indicated, for weather tight construction.
- D. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact witl1other materials.

4.3 Field Quality Control

- A. Manufacturer's Field Services: Upon Owners written request. provide periodic site visit by manufacturer's field service representative.

4.4 Adjusting, Cleaning, and Protection

- A. Clean aluminum surfaces immediately after l stalling aluminum-framed entrance doors. Avoid damaging protective coatings and finishes. Remove excess sealants, glazing materials, dirt, and otl1er substances.
- 8. Clean glass Immediately after installation. Comply with glass manufacturer's written recommendations for final cleaning and maintenance. Remove nonpermanent labels, and clean surfaces.
- C. Remove and replace glass that has been broken, cl1ipped, cracked, abraded, or damaged during construction period.

END OF SECTION 08411

SECTION - PAINTING SCHEDULE

PART 1 - GENERAL

RELATED REQUIREMENTS INCLUDED ELSEWHERE

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections, apply to the work of this section

The products described in this section are manufactured by Benjamin Moore & Co. and Sherwin Williams Products of at least equal quality from the manufacturers listed in Section - Painting will be accepted.

Paint colors will be as selected by the architect. In areas where repairs and additions are made and not scheduled to be repainted, the colors shall match existing adjacent color finish.

PART 2 - PRODUCTS

WOOD - INTERIOR

Painted

Finish System: Semi-gloss Alkyd
First coat: Alkyd Enamel Underbody
Additional coats: Two coats Alkyd Semi-gloss Enamel

Stain Clear Finish – Multiple Colors Required

Finish System: Wood Classic Interior Stain-Oil First
coat: Wood Oil Stain
Additional Coats: Two coats Polyurethane Varnish

DRYWALL - INTERIOR

Painted

Finish System: Vinyl Acrylic Latex – Egg Shell Enamel First
coat: Latex Wall Primer
Additional Coats: Two coats: “SW” Promar 200 Latex Enamel
“BM” Moorcraft (274) Egg Shell Enamel

METALS - INTERIOR

Ferrous - Paint

Finish System Alkyd Semi-Gloss Enamel First
coat: Primer
Additional coats: Two coats: “SW” Promar 200 Interior Alkyd Semi-Gloss Enamel
“BM” Moorcraft Semi-Gloss Enamel (271)

WOOD – EXTERIOR

Painted

Finish System: Semi-gloss Alkyd
First coat: Alkyd Enamel Underbody
Additional coats: Two coats Alkyd Semi-gloss Enamel

Stain Clear Finish – Multiple Colors Required

Finish System: Wood Classic Exterior Stain-Oil Two
coats: Wood Oil Stain

DRYWALL - EXTERIOR

Painted

Finish System: Vinyl Acrylic Latex – Enamel First
coat: Latex Wall Primer
Additional Coats: Two coats: “SW” Promar 200 Latex Enamel
“BM” Moorcraft (274) Latex Enamel

GALVANIZED METAL

Painted

First Coat: Galvanized Metal Primer Additional
Coats: Two coats: Alkyd enamel

FERROUS METAL

Painted

First Coat: Zinc Chromate Primer Additional
Coats: Two coats: Alkyd enamel

END OF SECTION

ELECTRICAL POWER DISTRIBUTION

PART 1 -- GENERAL

1.1 WORK

- A. Provide and install complete electrical service, as shown on the Drawings and specified herein.
- B. COORDINATE ELECTRICAL WITH ONITY SECURITY SYSTEMS.

1.2 QUALITY STANDARDS

- A. Provide experienced, well-trained workers competent to complete the work as specified.
- B. Unless approved by the Architect, provide all related products and accessories from one manufacturer.
- C. Use products and accessories from manufacturers who specialize in making, installing, and servicing systems of this type. From a manufacturer specified or approved by the Architect.
- D. All work shall comply with manufacturer's instructions and governing building and safety codes.

1.3 SUBMITTALS

- A. Submit the following within 30 calendar days after receiving the Notice to Proceed. Submit list of materials to be provided for this work.

Submit manufacturer's specifications required to prove compliance with these specifications. Submit manufacturer's installation instructions.

Submit Shop Drawings as required with complete details and assembly instructions. Submit Shop Drawings showing relationship and interface with adjacent or related work. Submit samples of proposed exposed finishes and hardware for approval by the Architect. At the close of this work, provide three copies of operations and warranty information.

1.4 MATERIALS HANDLING

- A. Provide all materials required to complete the work as shown on Drawings and specified herein. Deliver, store, and transport materials to avoid damage to the product or to any other work. Reject and return any products or materials delivered in a damaged or unsatisfactory condition. Materials and products delivered will be certified by the manufacturer to be as specified.
- B. Store materials indoors, protected from dirt, moisture, contaminants, and weather.

1.5 PRECONSTRUCTION AND PREPARATION

- A. Examine and verify that job conditions are satisfactory for speedy and acceptable work. Maintain and use up-to-date construction documents on site. Maintain and use up-to-date trade standards and manufacturer's instructions.
- B. Confirm there is no conflict between this work and governing building and safety codes. Confirm there are no conflicts between this work and work of other trades. Confirm that work of other trades that must precede this work has been completed. Meet all requirements to secure warranty.
- C. Notify Architect when work is scheduled to be installed. Use agreed schedule for installation and for field observation by Architect.

PART 2 -- MATERIALS

2.1 GENERAL

- A. All materials must be new and of the type and quality specified. Materials must be delivered in labeled, unopened containers. All electrical products must bear the Underwriters Laboratory label.
- B. Wiring, nonmetallic sheathed cable, size 14 through 4 AWG, copper conductor, 600 volt insulation, type NM.
- C. Conduit, junction boxes, and electrical wire connectors shall be as required by the local building code.
- D. Circuits will be as diagrammed on Electrical Drawings.

2.4 SWITCHES, RECEPTACLES AND WALL PLATES

- A. Provide complete switches, receptacles, wall plates and related materials as shown on the drawings and specified herein.
- B. Wall switches, quiet operating switch rated 20 amperes and 110-220 volts AC. Color and switch type as selected by the Architect. Wall Dimmers, linear slide type, color selected by Architect. Rated for 600 Watts minimum, size as per circuit.
- C. Receptacles, Type 5-20 R, plastic face, color as selected by the Architect. Specific purpose receptacles as shown on the Drawings.
- D. Exterior weatherproof cover plates shall be gasketed cast metal with hinged gasketed covers. PART 3 --

CONSTRUCTION AND INSTALLATION

3.1 WORK CONDITIONS

- A. Correct any conditions not in compliance with Section 1.5.A. noted above.
- B. Correct any conditions that might interfere with speedy, well-coordinated execution of the work.
- C. All work conditions shall be as per manufacturer's instructions, trade association standards, and governing building and safety codes.

3.2 PREPARATION

A. Straps and other support construction for electrical equipment must be as required by the building department.

3.3 INSTALLATION

A. Install products as per Drawings and these Specifications.

B. Upon completion, secure all required pressure tests, inspections, and approvals of the completed system. Make all required adjustments and corrections at no added cost to the Owner.

C. Provide for maintenance of this work for one year following final approval by governing agencies. Maintenance includes all work required in manufacturer's instructions such as inspection, adjustment, repair and replacement of parts as required.

3.4 REPAIR AND CLEANUP

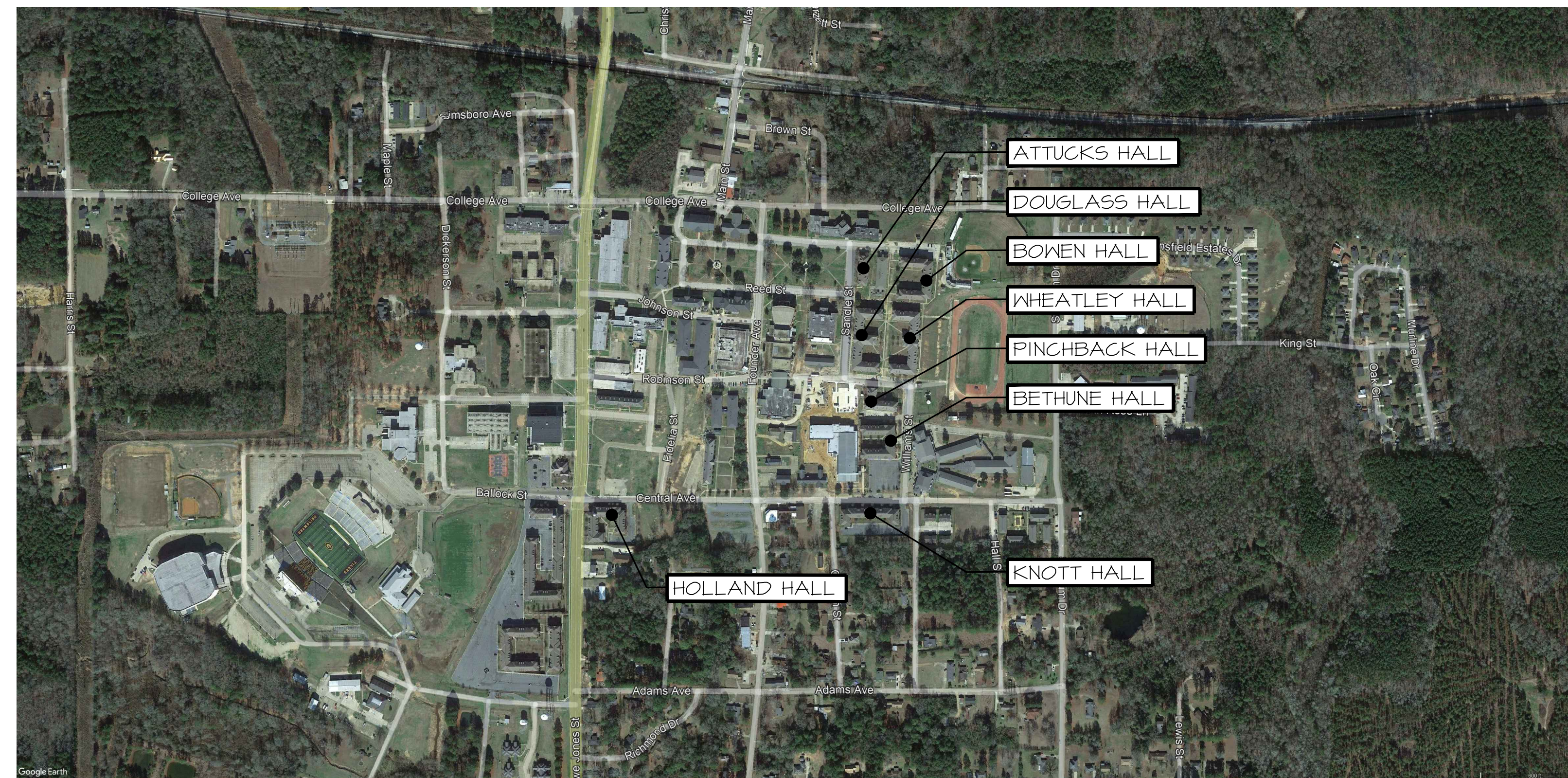
A. After installation, inspect all work for improper installation or damage.

B. Operating fixtures must perform smoothly. Repair or replace any defective work. Repair work will be undetectable. Redo repairs if work is still defective, as directed by the Architect or governing regulatory agency.

C. Clean the work area and remove all scrap and excess materials from the site.

END OF SECTION

INSTALLATION OF SECURITY DOORS AND LOCKS AT EIGHT DORMITORIES GRAMBLING STATE UNIVERSITY GRAMBLING, LOUISIANA



NORTH
CAMPUS MAP
NO SCALE

WHITTINGTON ARCHITECTS, INC.
P.O. BOX 1701
RUSTON, LOUISIANA 71273 -1701
TEL/FAX (318) 255-2271

JOB NO.	
DATED	AUGUST 17, 2022
DRAWN	A.L.T.
CHECKED	W.W.
REVISED	
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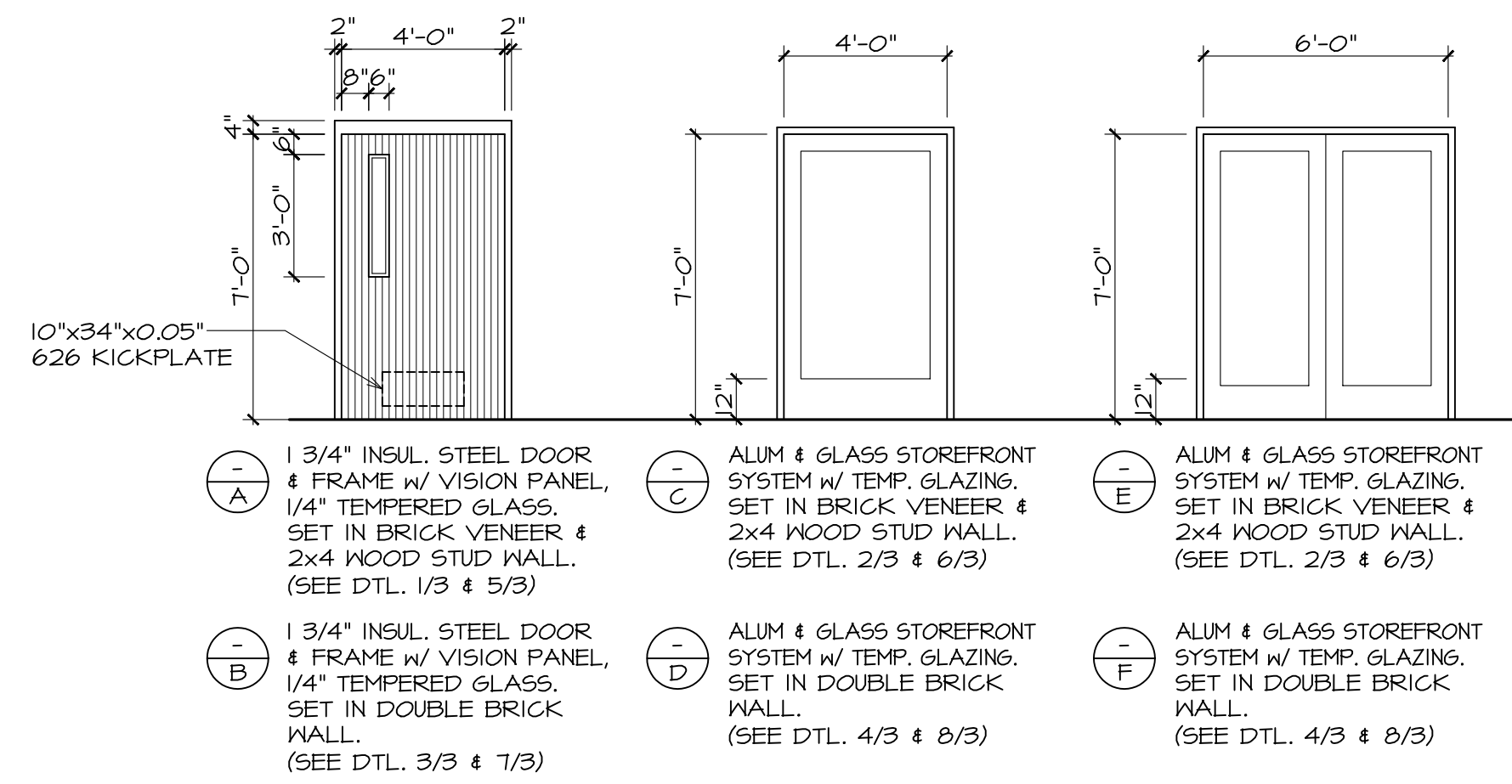
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INSTALLATION OF SECURITY DOORS AND LOCKS
AT EIGHT DORMITORIES
GRAMBLING STATE UNIVERSITY
GRAMBLING, LOUISIANA

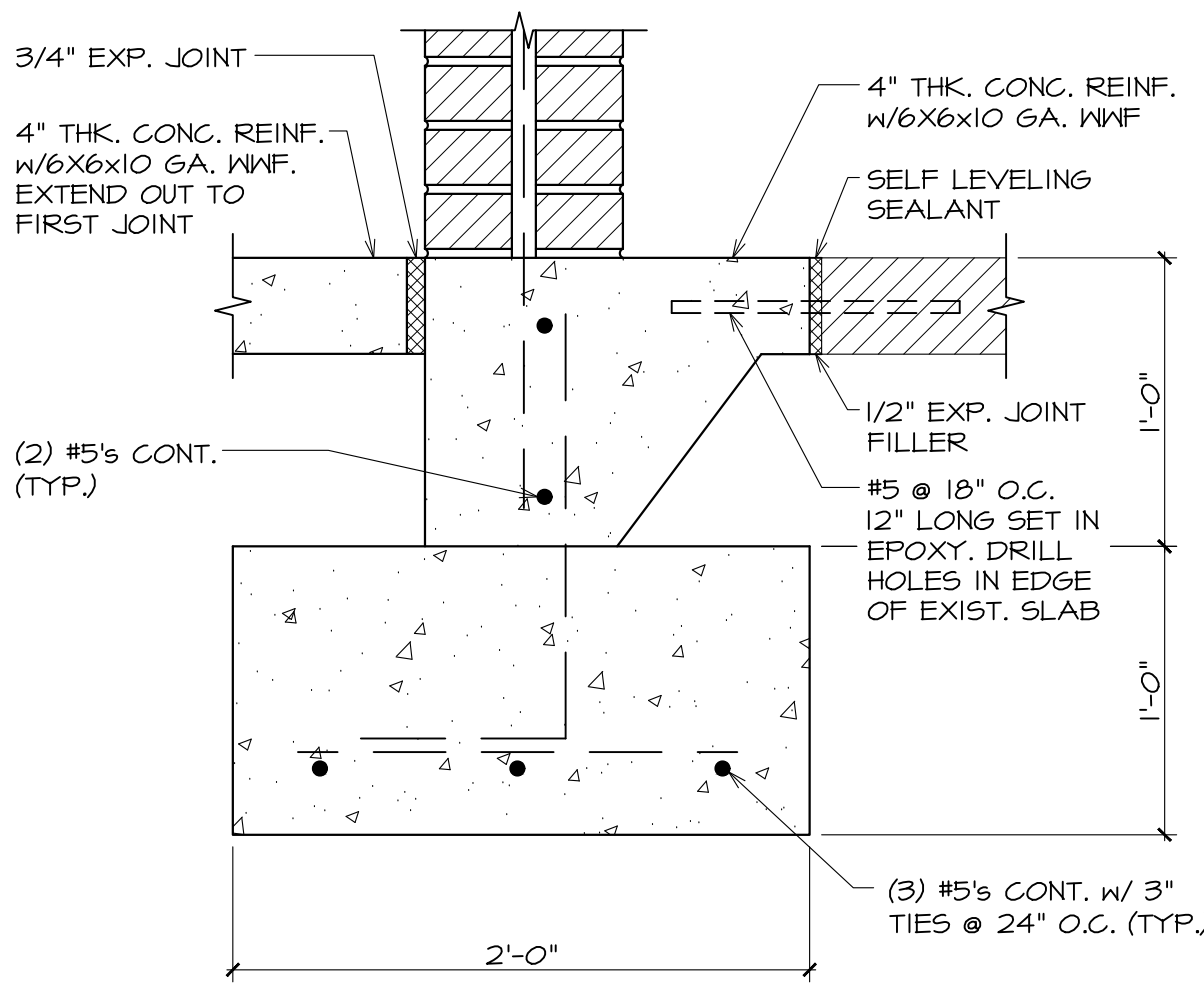
SET NO.	
SHEET NO.	1
OF - SHEETS	

DOOR ELEVATIONS



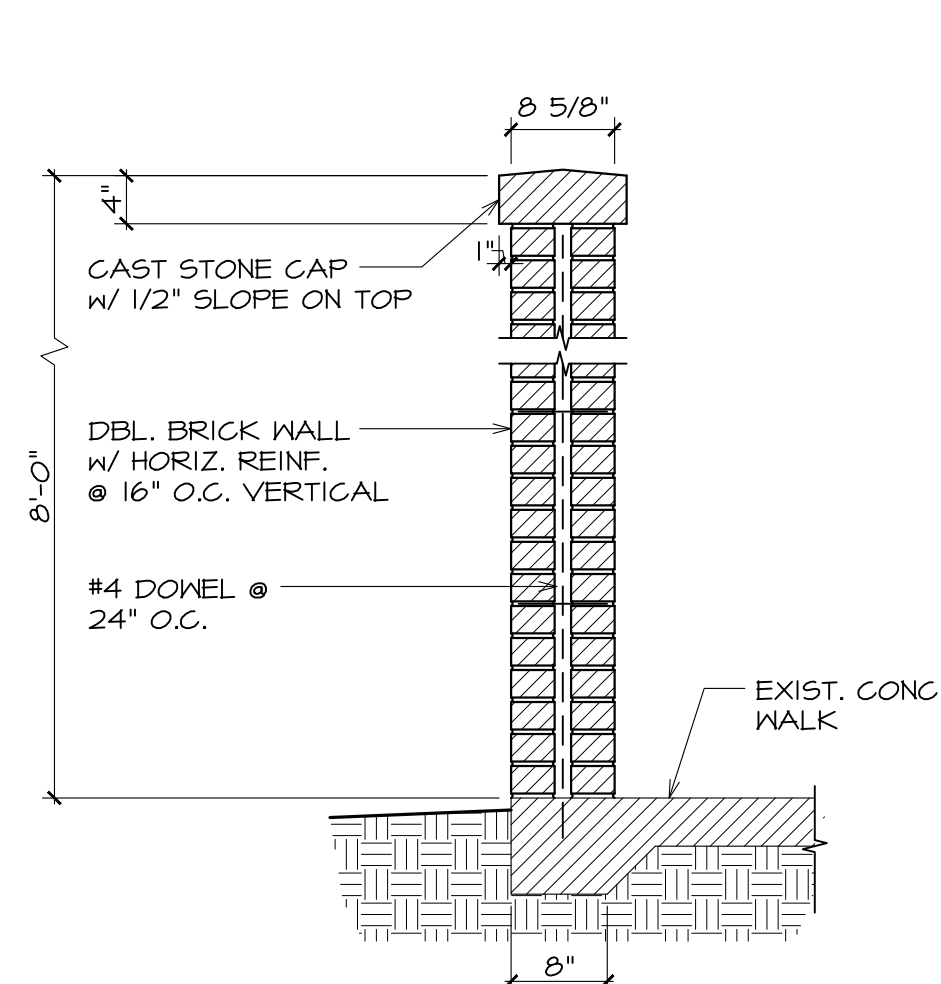
- (A) 1 3/4" INSUL. STEEL DOOR & FRAME w/ VISION PANEL, 1/4" TEMPERED GLASS, SET IN BRICK VENEER & 2x4 WOOD STUD WALL. (SEE DTL. 1/3 & 5/3)
- (B) 1 3/4" INSUL. STEEL DOOR & FRAME w/ VISION PANEL, 1/4" TEMPERED GLASS, SET IN DOUBLE BRICK WALL. (SEE DTL. 3/3 & 1/3)
- (C) ALUM & GLASS STOREFRONT SYSTEM w/ TEMP. GLAZING, SET IN BRICK VENEER & 2x4 WOOD STUD WALL. (SEE DTL. 2/3 & 6/3)
- (D) ALUM & GLASS STOREFRONT SYSTEM w/ TEMP. GLAZING, SET IN DOUBLE BRICK WALL. (SEE DTL. 4/3 & 8/3)
- (E) ALUM & GLASS STOREFRONT SYSTEM w/ TEMP. GLAZING, SET IN BRICK VENEER & 2x4 WOOD STUD WALL. (SEE DTL. 2/3 & 6/3)
- (F) ALUM & GLASS STOREFRONT SYSTEM w/ TEMP. GLAZING, SET IN DOUBLE BRICK WALL. (SEE DTL. 4/3 & 8/3)

NOTE:
DOOR MANUFACTURER SHALL PREP DOORS AND HARDWARE FOR ELECTRIC TRANSFER HINGES. SEE DOOR SCHEDULE SHEET 3.



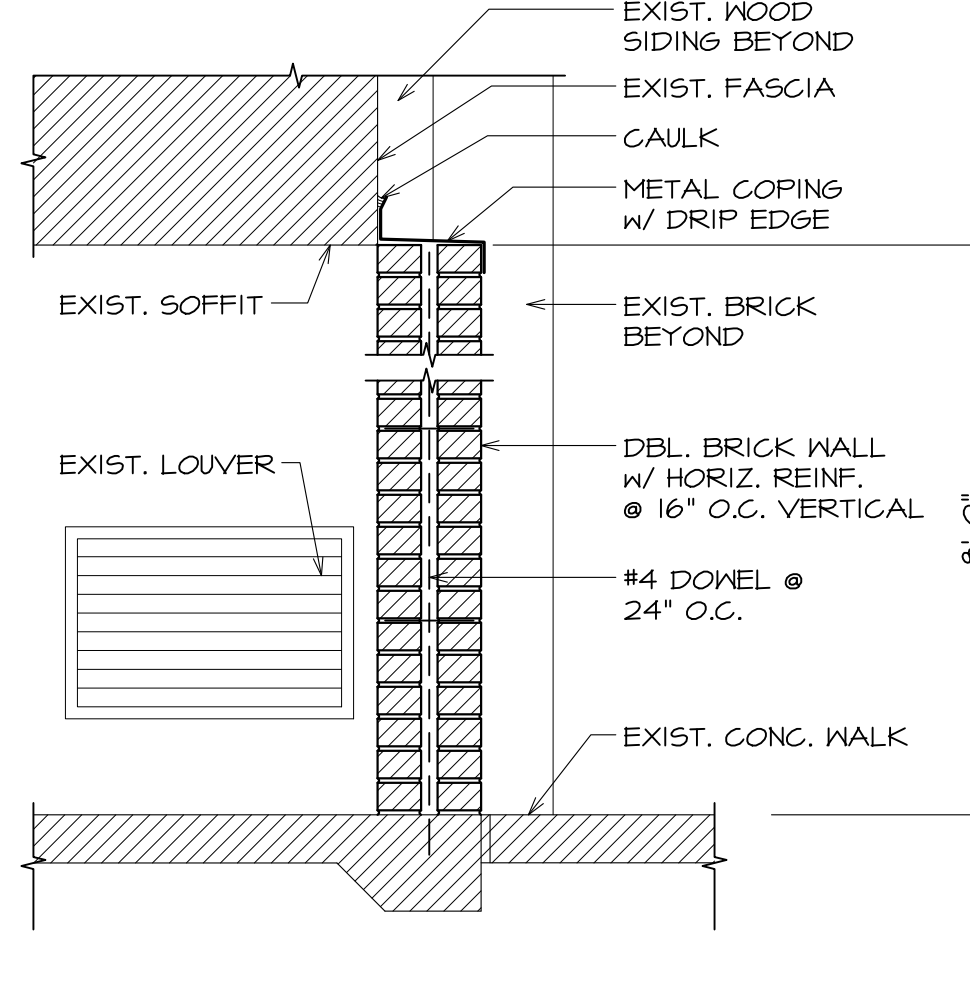
CONC. FOOTING DETAIL

1 1/2"=1'-0"



2 WALL SECTION

3/4"=1'-0"



3 WALL SECTION

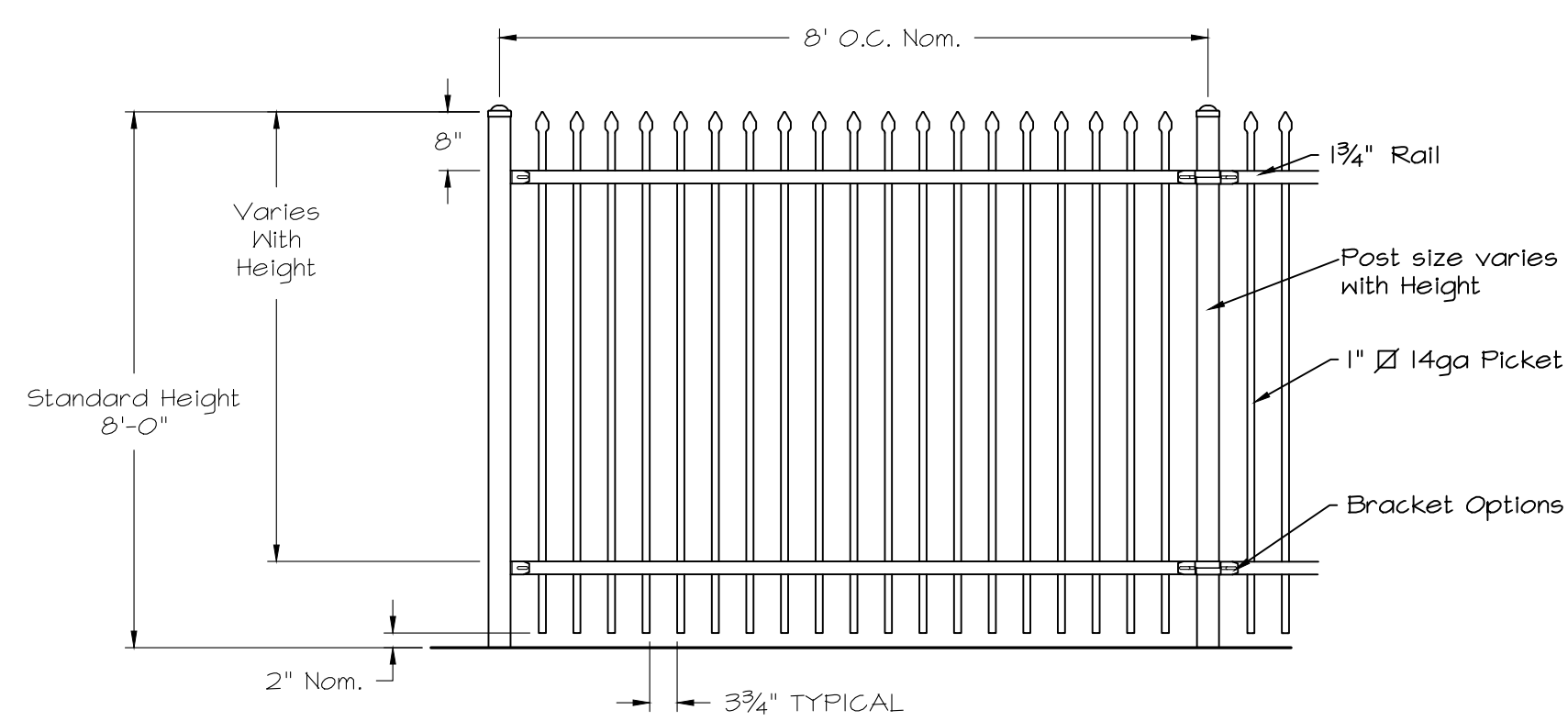
3/4"=1'-0"

PLAN NOTES:

- 1 EACH NEW DOOR OPENING SHALL BE EQUIPPED WITH ONITY ACCESS KIT. SEE SHEET 10 FOR INSTALLATION INSTRUCTIONS AND WIRING DIAGRAMS. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, CABLING, WIRING, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION OF THE ACCESS KIT AND LIGHTING FIXTURES.
- 2 PROVIDE ELECTRIC STRIKE LATCH MECHANISM FOR ALL REQUIRED DOORS. VERIFY WITH DOOR ACCESS HARDWARE PROVIDER. ROUTE CONDUIT DOWN IN FRAME FROM POWER CONTROLLER MODULE.

4 FENCING DETAIL

1/2"=1'-0"



PARTITIONS

- EXIST. CONSTRUCTION
- 2x4 WOOD STUDS @ 16" O.C. w/ 5/16" FIBER CEMENT BOARD OVER 1/2" O.S.B. SHEATHING ON INTERIOR AND BRICK VENEER OVER BUILDING WRAP ON 1/2" O.S.B. SHEATHING ON EXTERIOR. (SEE DTL. 12/3 & 13/3)
- DOUBLE BRICK WALL

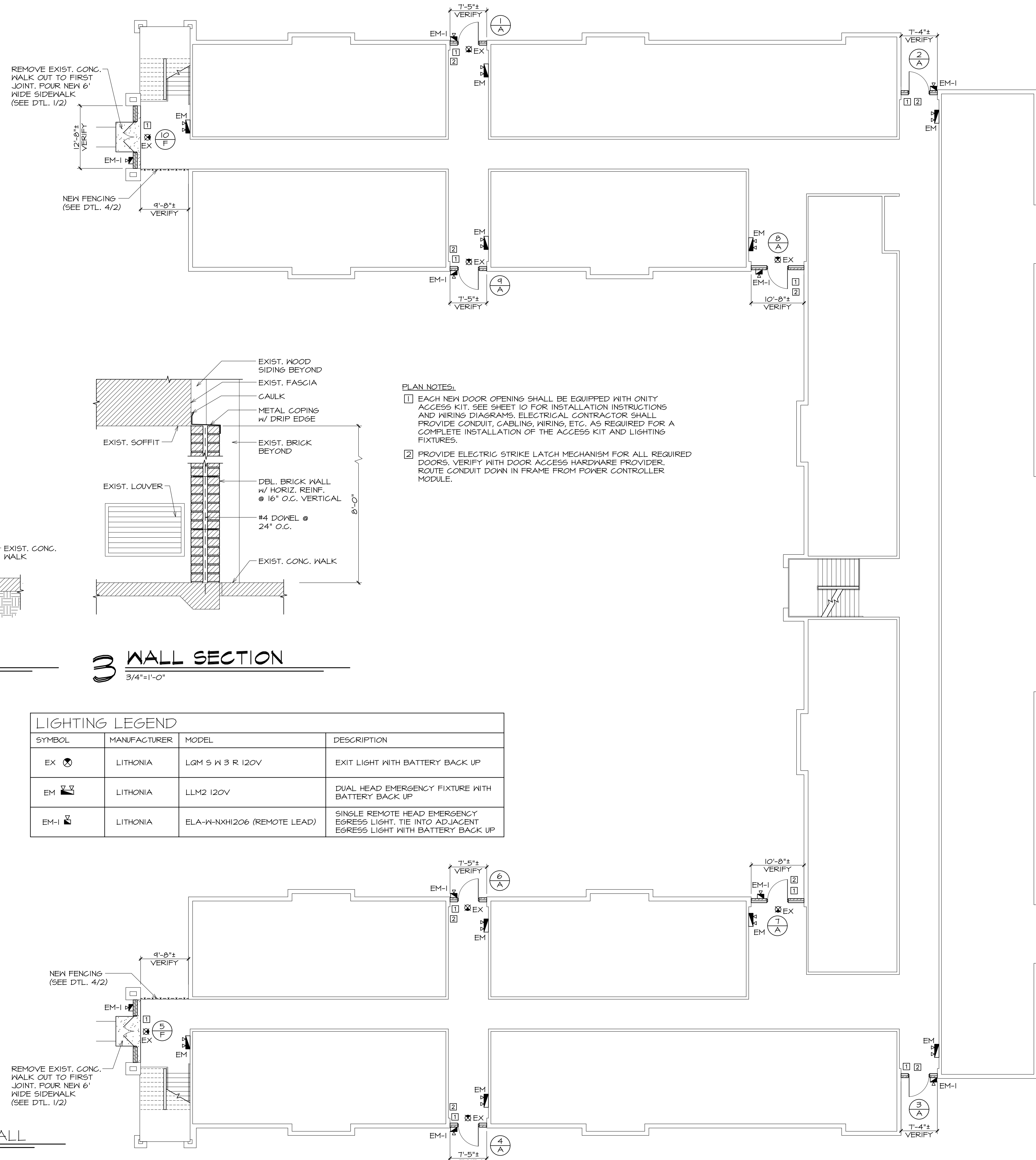


SYMBOLS LEGEND

- (1) ← DOOR NUMBER
- (A) ← DOOR TYPE, SEE SCHEDULE

FLOOR PLAN - BOWEN HALL

3/32" = 1'-0"



LIGHTING LEGEND

SYMBOL	MANUFACTURER	MODEL	DESCRIPTION
EX	LITHONIA	LQM 5 W 3 R 120V	EXIT LIGHT WITH BATTERY BACK UP
EM	LITHONIA	LLM2 120V	DUAL HEAD EMERGENCY FIXTURE WITH BATTERY BACK UP
EM-1	LITHONIA	ELA-W-NXH1206 (REMOTE LEAD)	SINGLE REMOTE HEAD EMERGENCY EGRESS LIGHT. TIE INTO ADJACENT EGRESS LIGHT WITH BATTERY BACK UP

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	AUGUST 17, 2022	ALL T	W.W.	REVIS	REVIS

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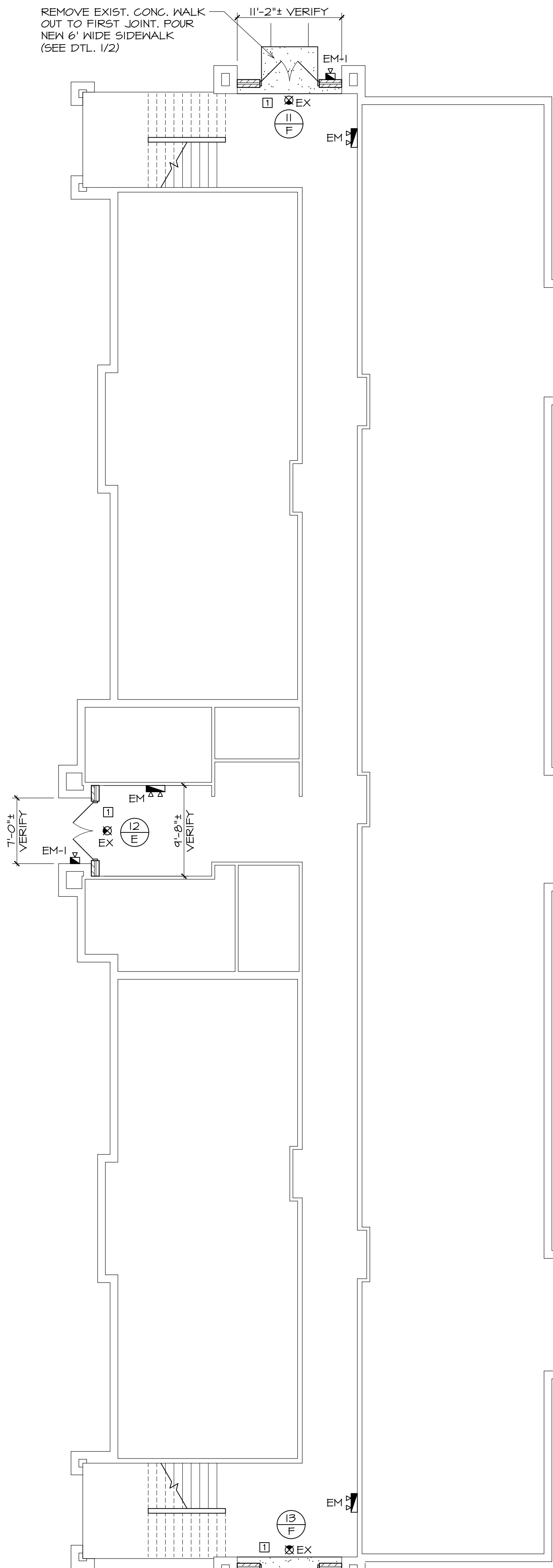
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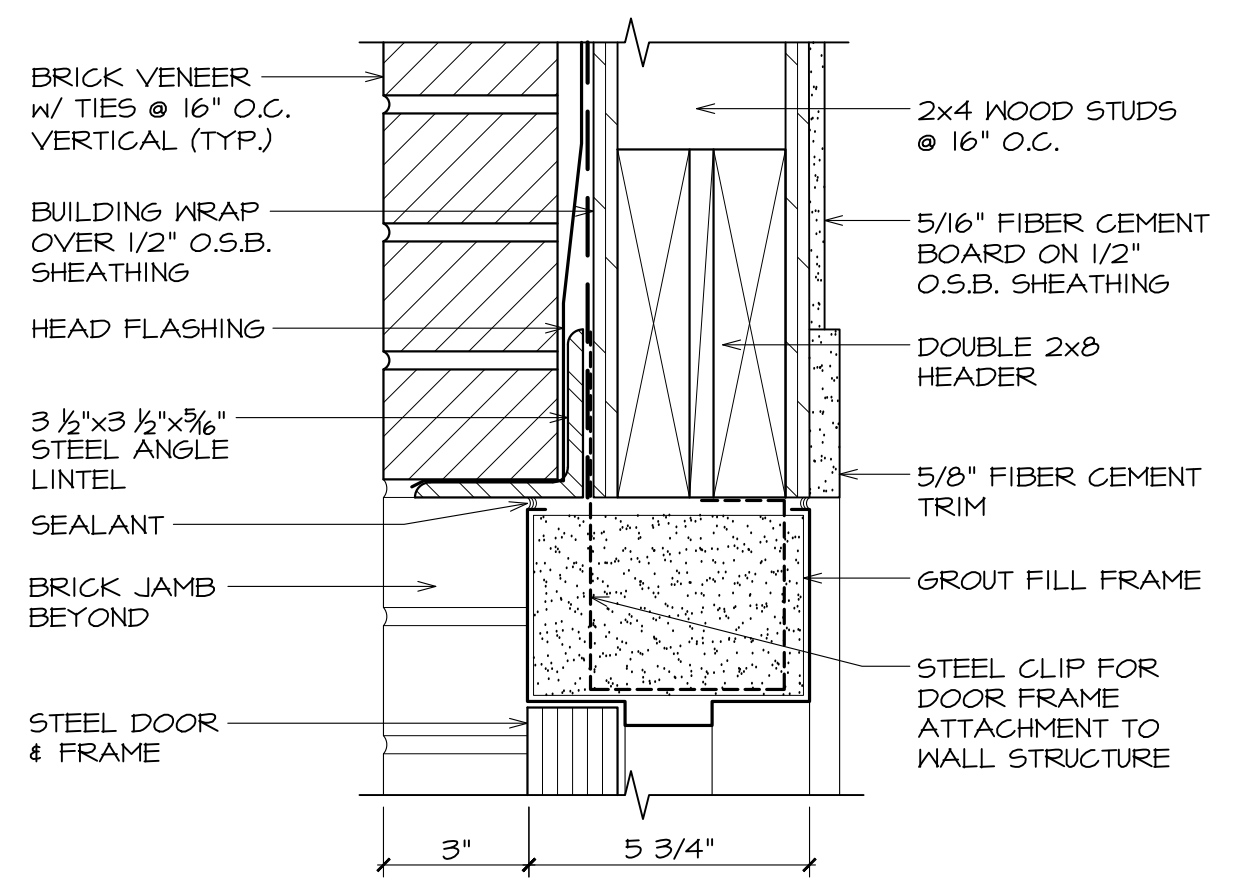
INSTALLATION OF SECURITY DOORS AND LOCKS
AT EIGHT DORMITORIES
GRAMBLING STATE UNIVERSITY
GRAMBLING, LOUISIANA

SET NO.
SHEET NO.
2
OF - SHEETS

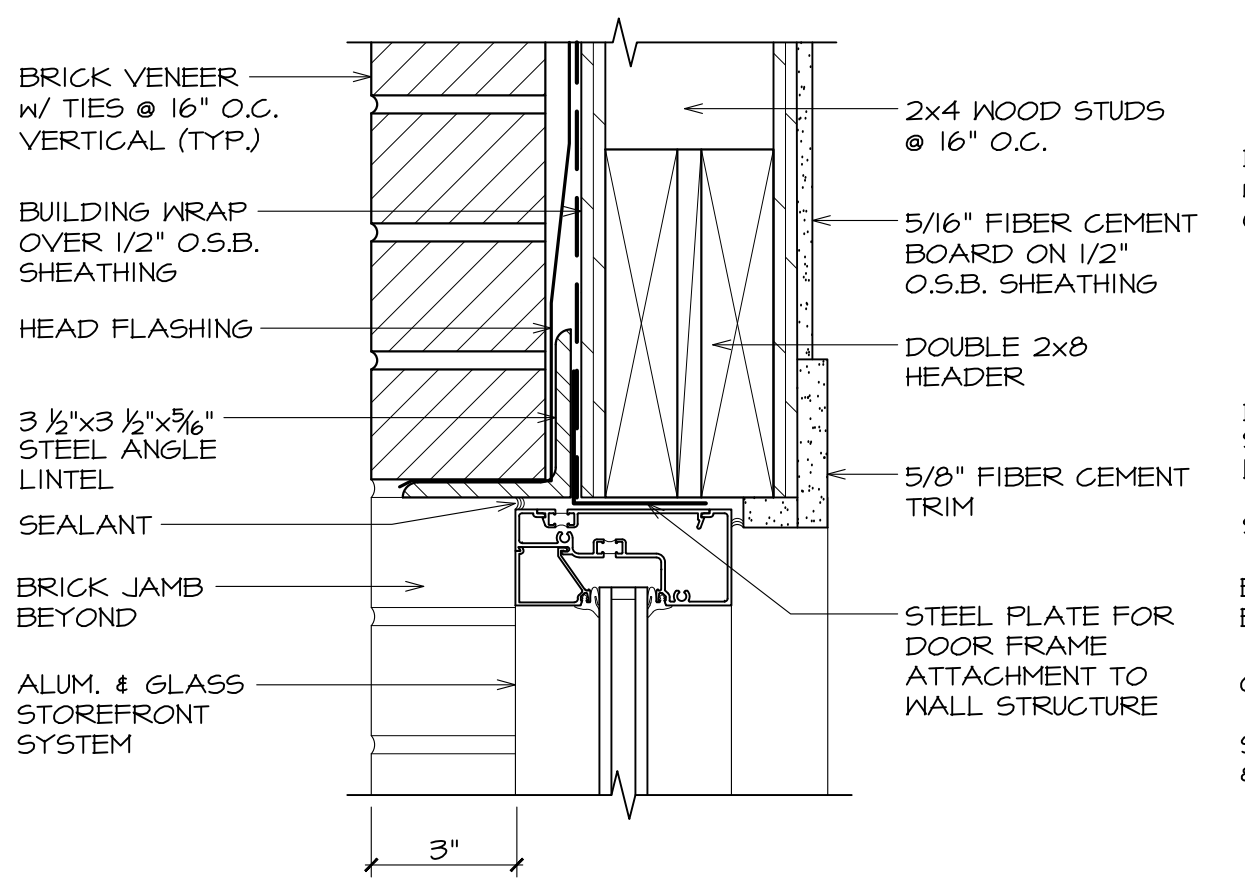
REMOVE EXIST. CONC. WALK
OUT TO FIRST JOINT. POUR
NEW 6" WIDE SIDEWALK
(SEE DTL. 1/2)



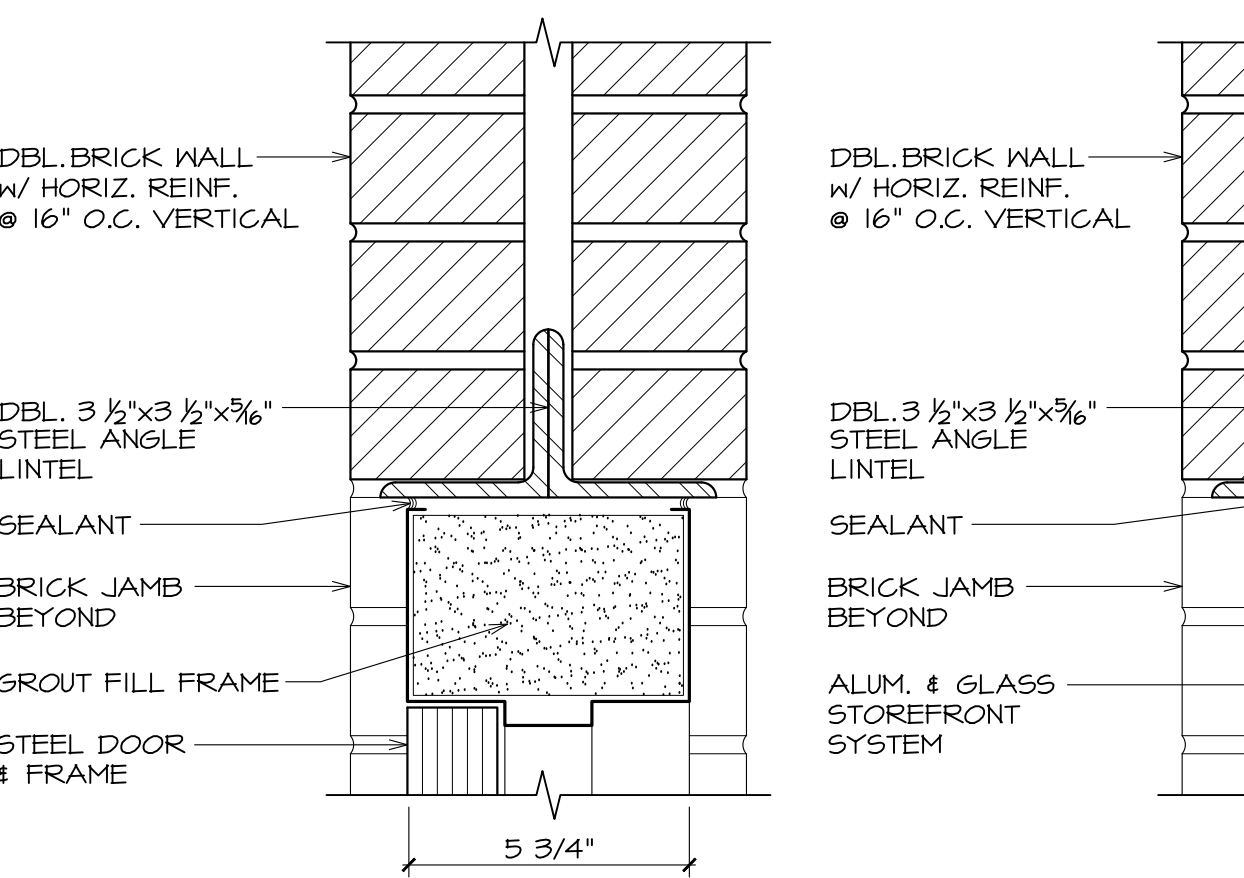
REMOVE EXIST. CONC. WALK
OUT TO FIRST JOINT. POUR
NEW 6" WIDE SIDEWALK



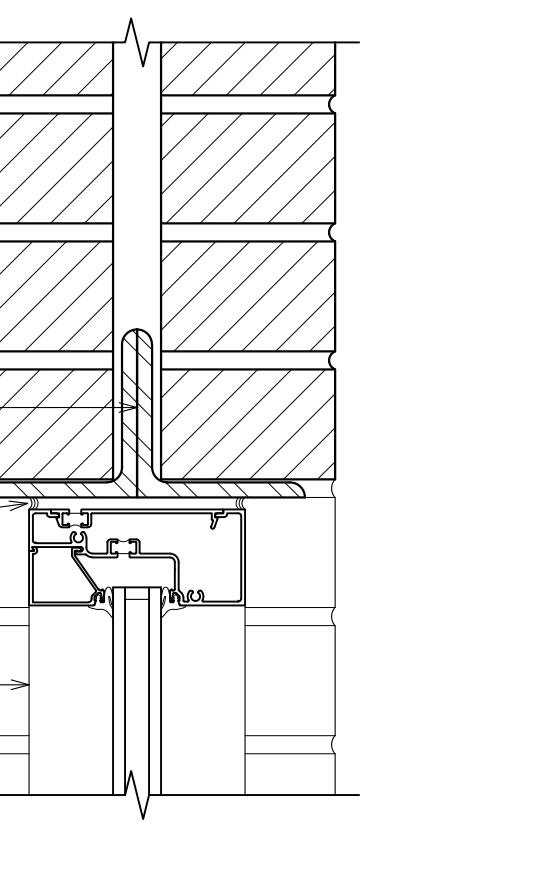
1 HEAD DETAIL
3"=1'-0"



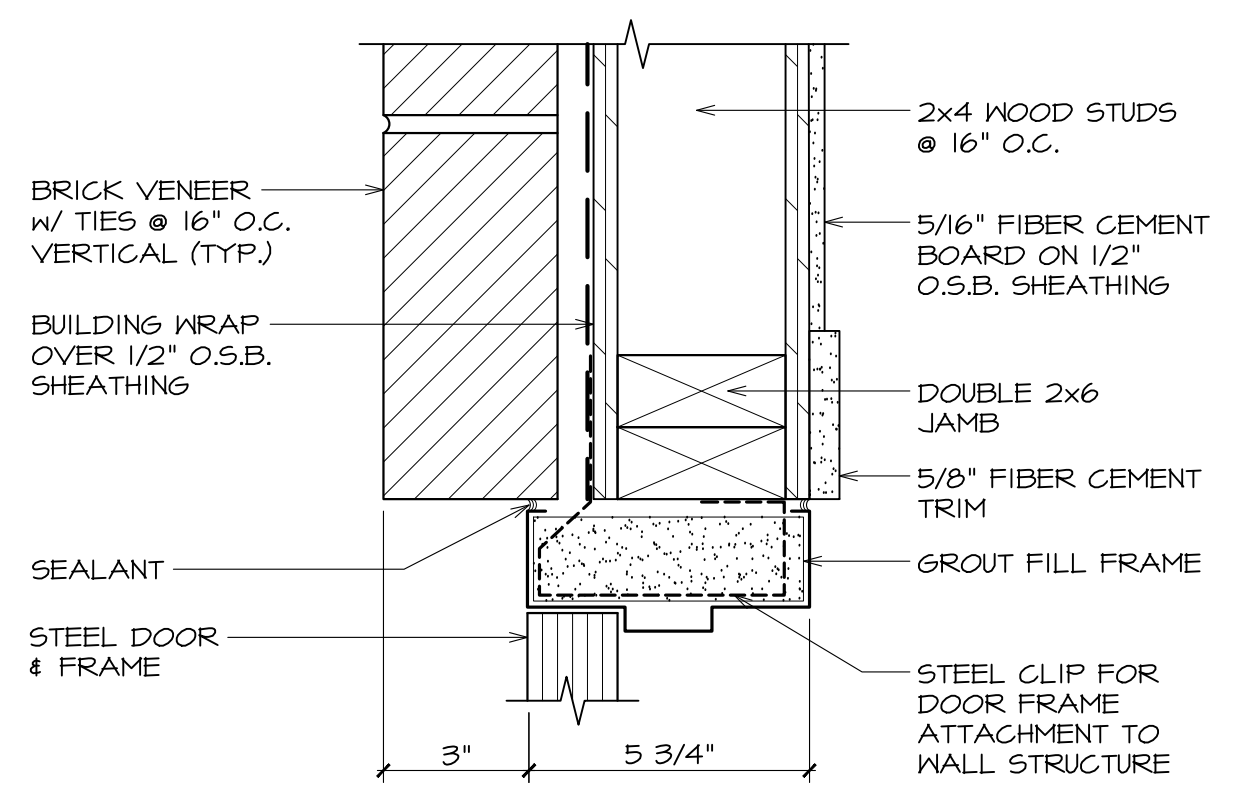
2 HEAD DETAIL
3"=1'-0"



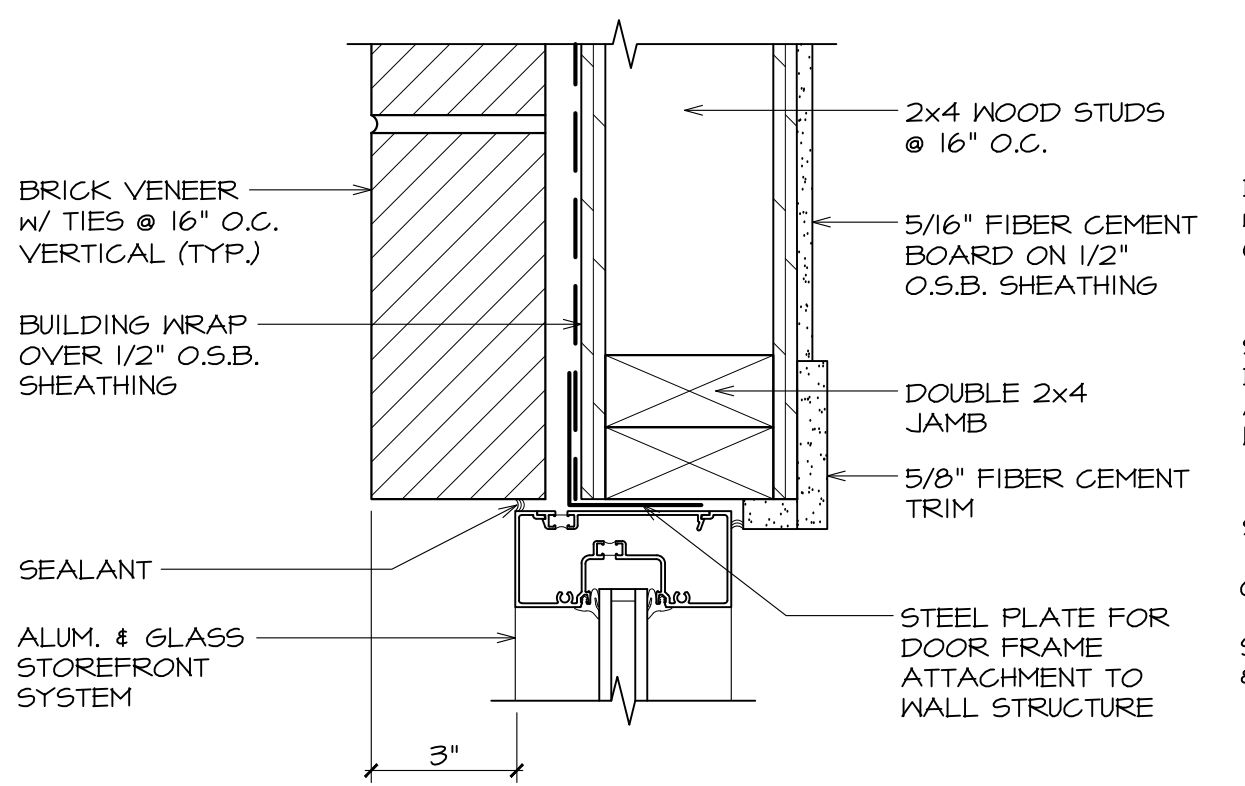
3 HEAD DETAIL
3"=1'-0"



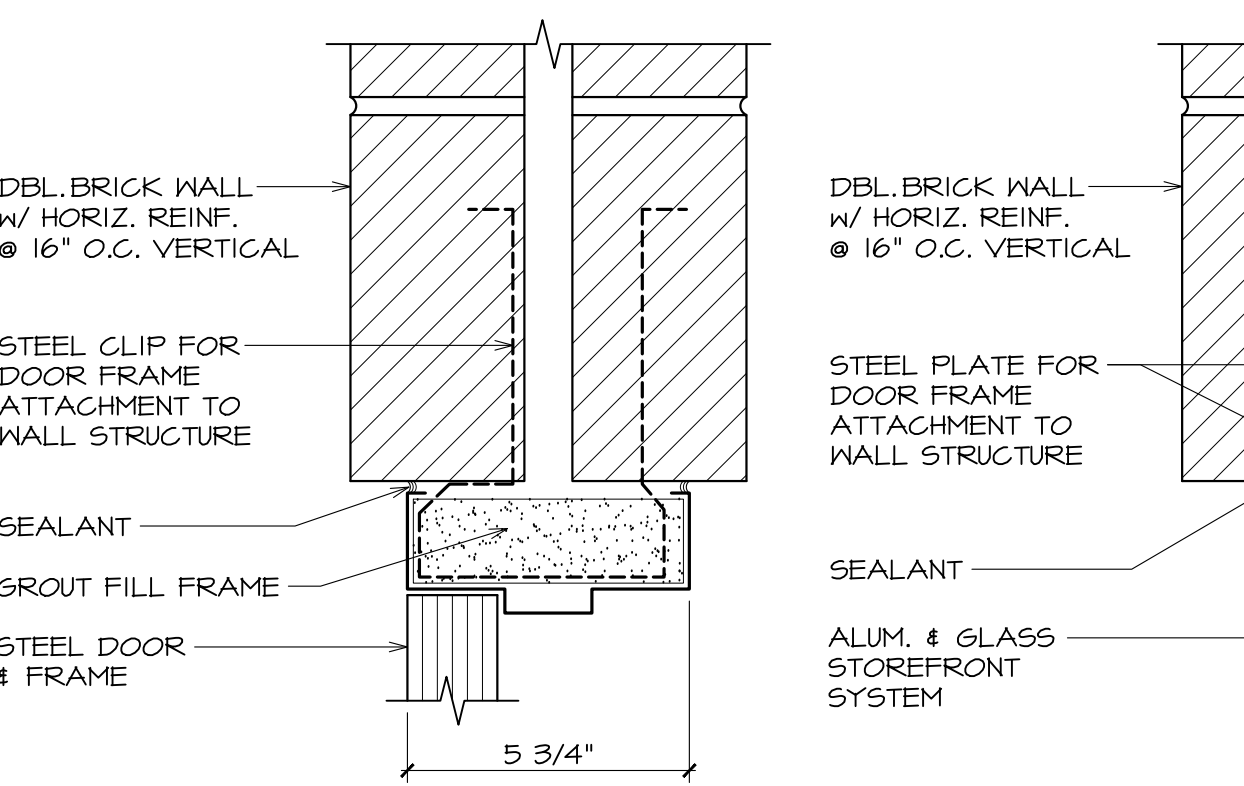
4 HEAD DETAIL
3"=1'-0"



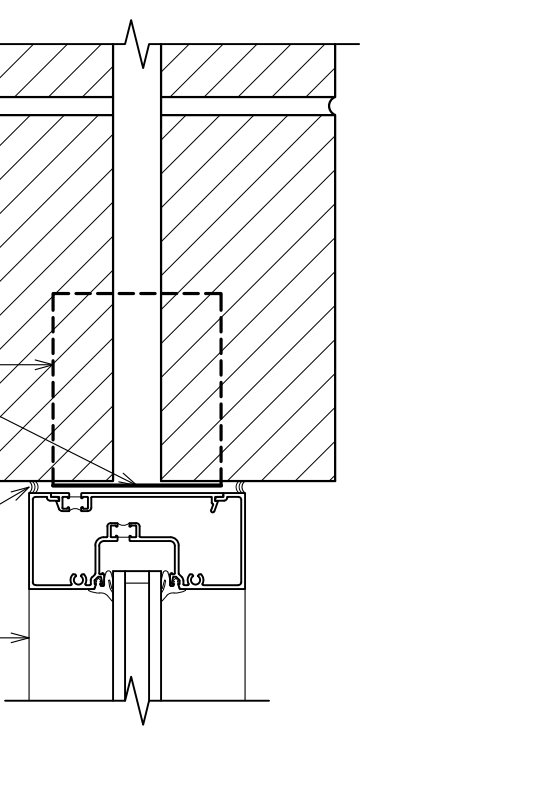
5 JAMB DETAIL
3"=1'-0"



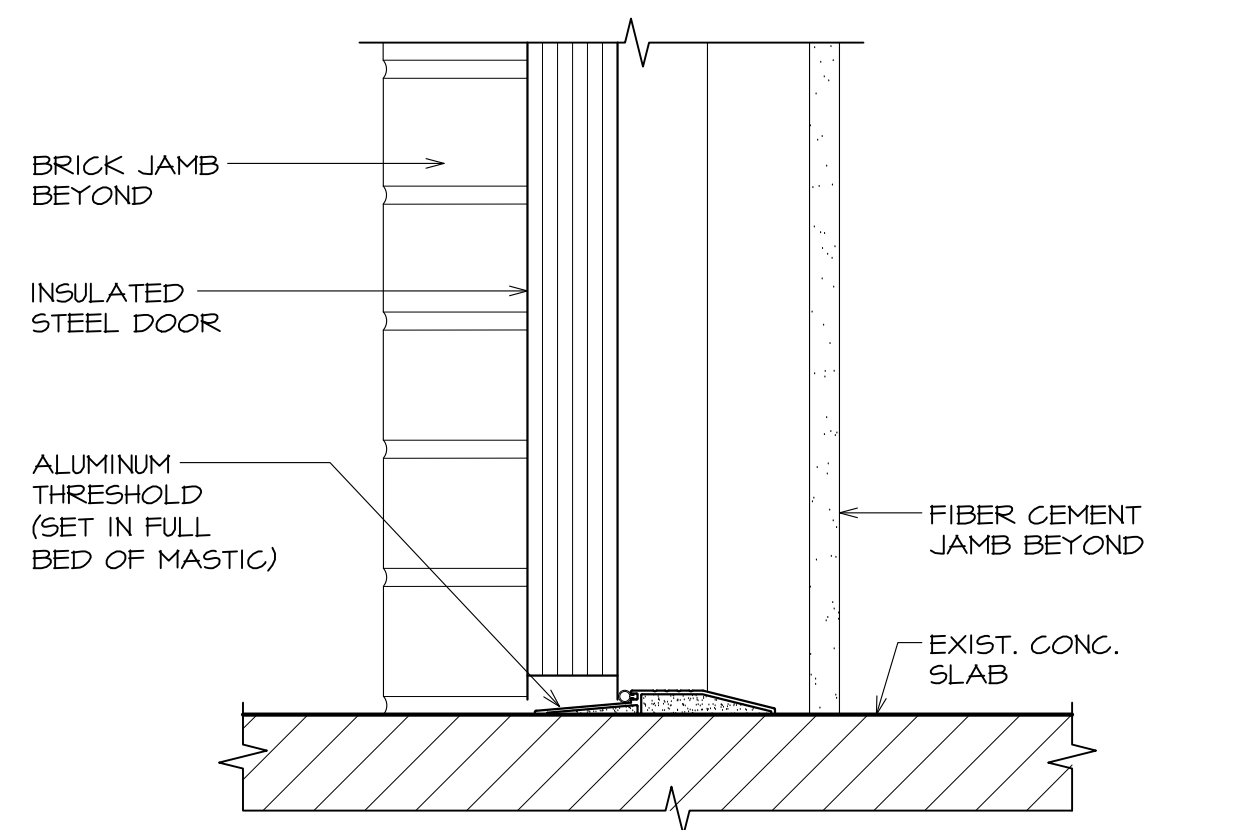
6 JAMB DETAIL
3"=1'-0"



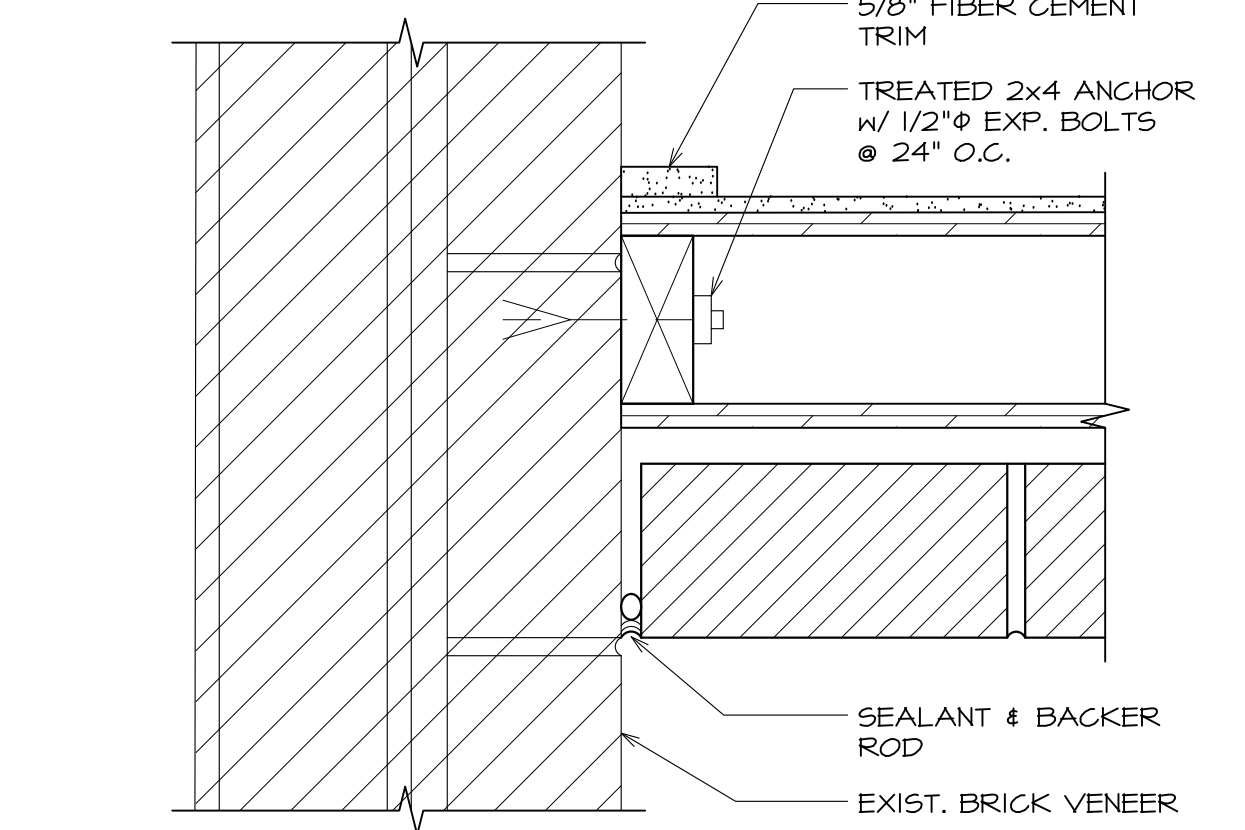
7 JAMB DETAIL
3"=1'-0"



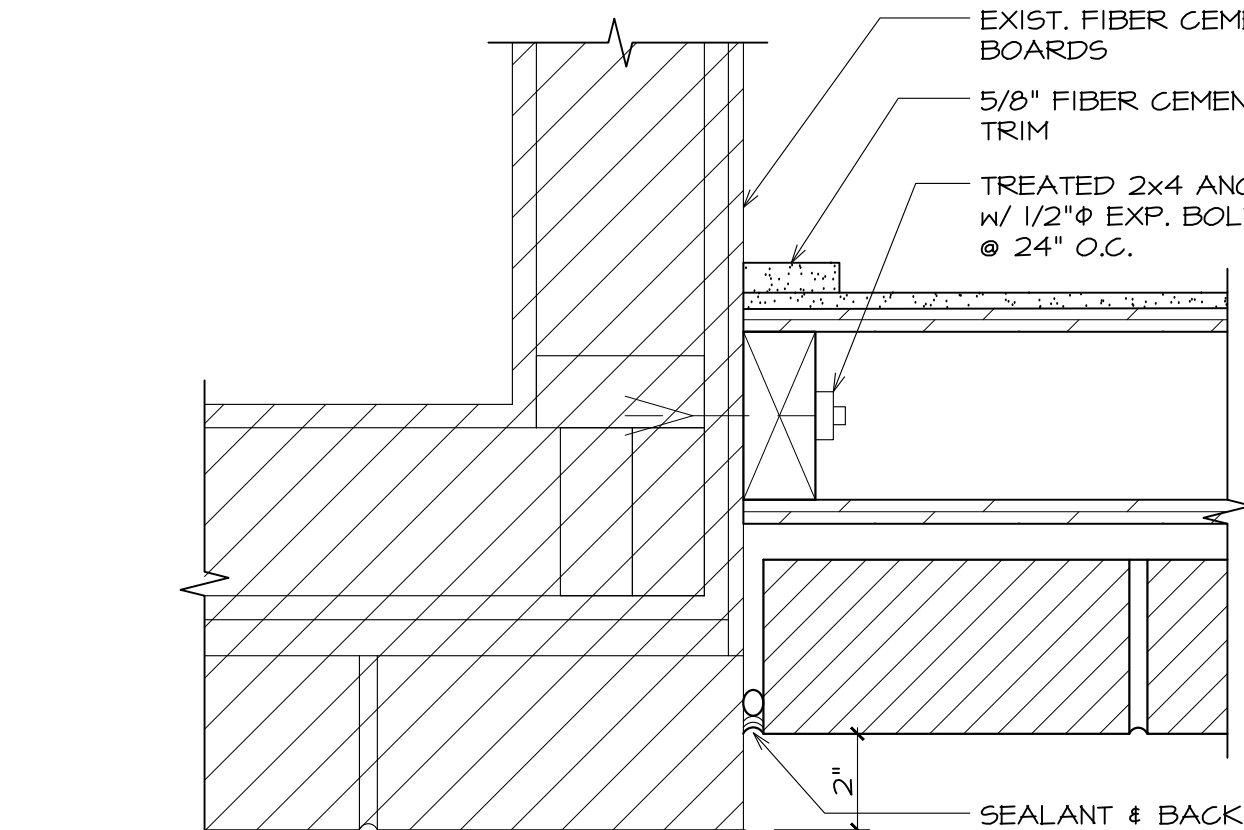
8 JAMB DETAIL
3"=1'-0"



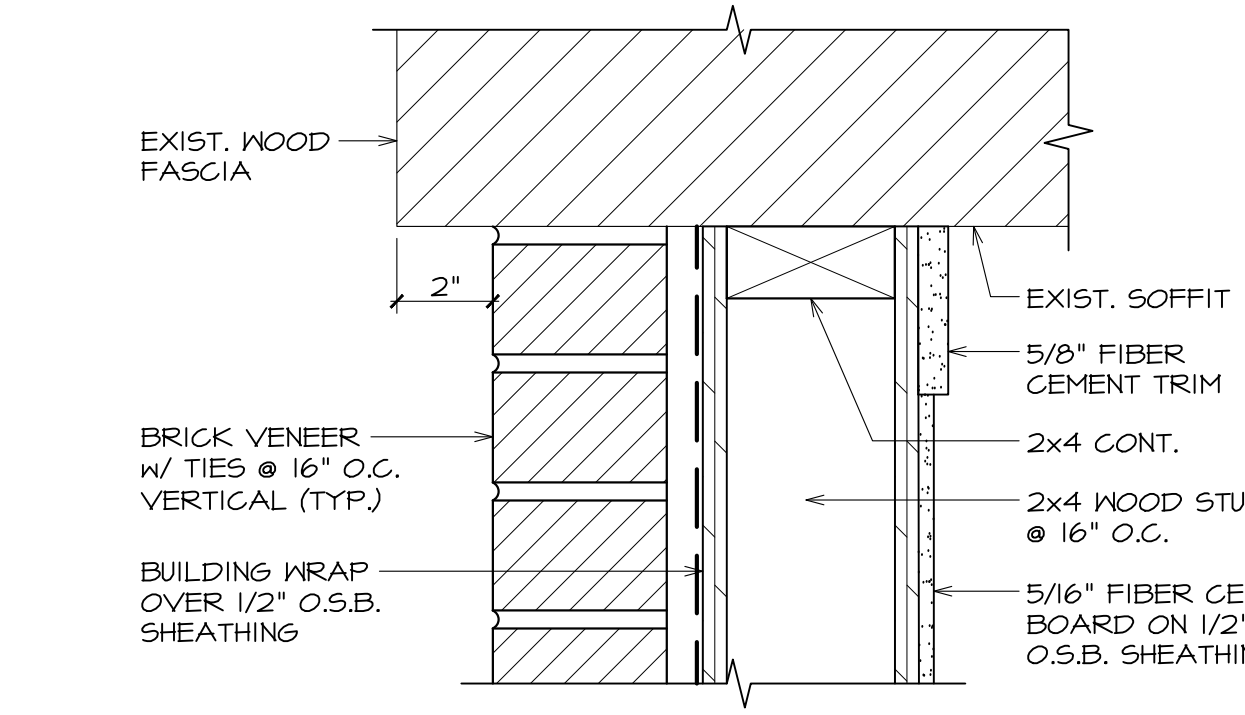
9 TYPICAL THRESHOLD DTL.
3"=1'-0"



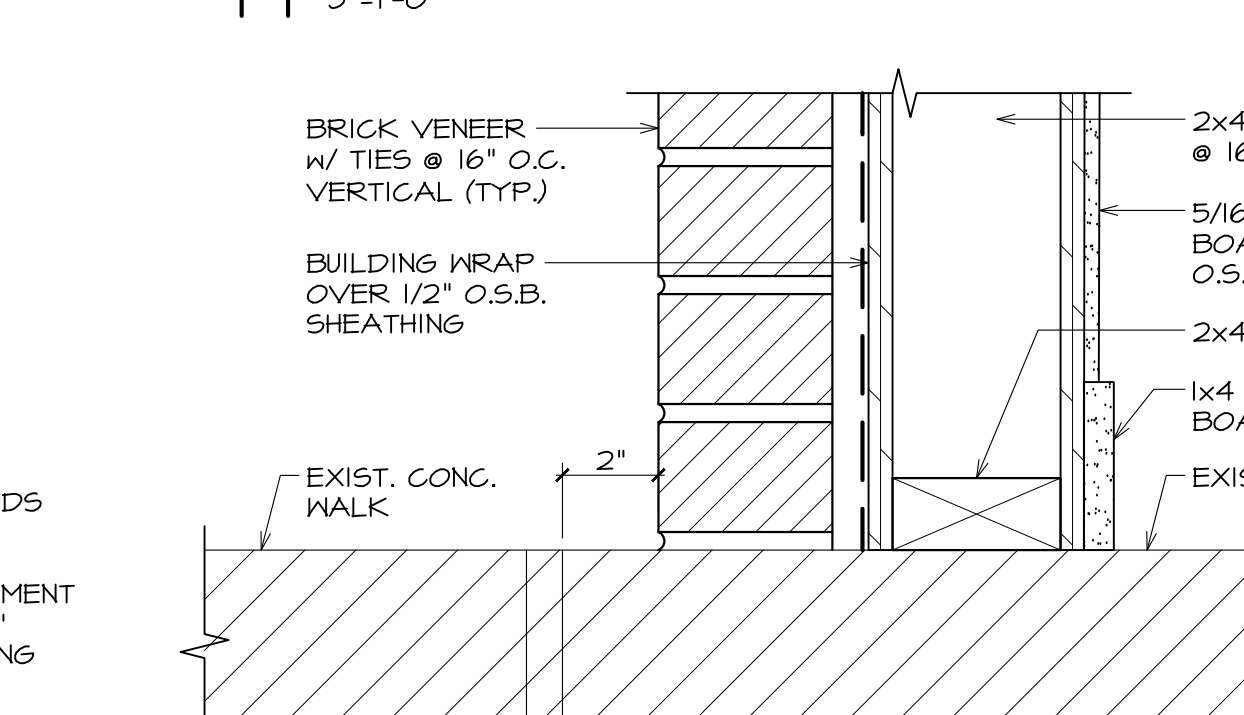
10 ANCHORING DETAIL
3"=1'-0"



11 ANCHORING DETAIL
3"=1'-0"



12 DETAIL
3"=1'-0"



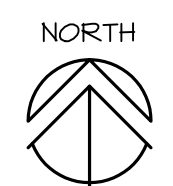
13 DETAIL
3"=1'-0"

SYMBOLS LEGEND

- (1) ← DOOR NUMBER
- (A) ← DOOR TYPE, SEE SCHEDULE

PARTITIONS

- EXIST. CONSTRUCTION
- ▨ 2x4 WOOD STUDS @ 16" O.C. w/ 5/16" FIBER CEMENT BOARD OVER 1/2" O.S.B. SHEATHING ON INTERIOR AND BRICK VENEER OVER BUILDING WRAP ON 1/2" O.S.B. SHEATHING ON EXTERIOR. (SEE DTL. 1/2/3 & 13/3)
- ▩ DOUBLE BRICK WALL



FLOOR PLAN - ATTUCKS HALL

1/8" = 1'-0"

DATE	AUGUST 17, 2022
DRAWN	A.L.T.
CHECKED	W.W.
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REVISION	

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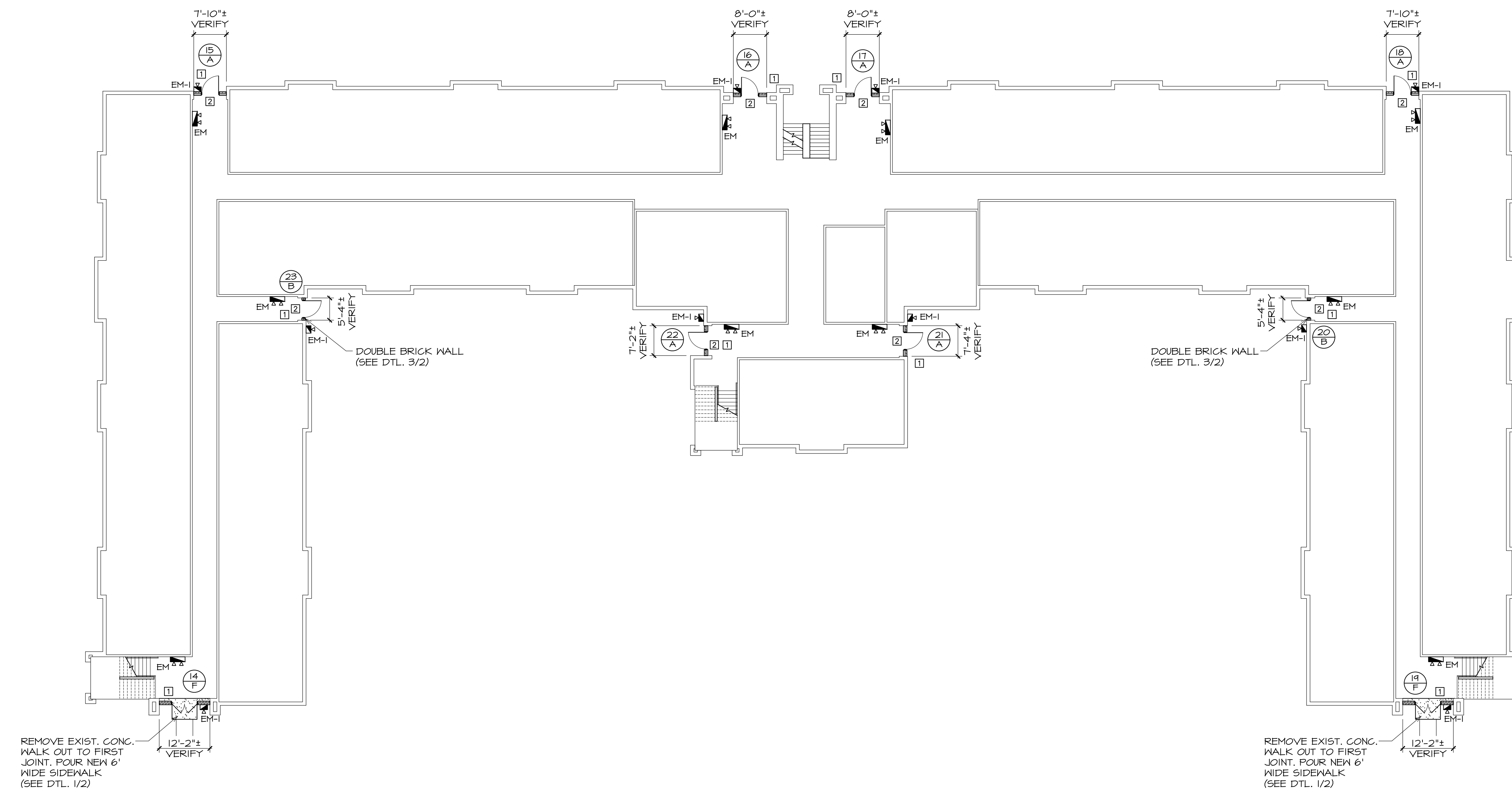


INSTALLATION OF SECURITY DOORS AND LOCKS
AT EIGHT DORMITORIES
GRAMBLING STATE UNIVERSITY
GRAMBLING, LOUISIANA

SET NO.	
SHEET NO.	3
OF - SHEETS	

MARK	SIZE	TYPE	DESCRIPTION	FRAME	HARDWARE	REMARKS
1, 2, 3, 4, 6, 7, 8, 9, 15, 16, 17, 18, 21, 22, 23, 26, 27, 28, 32, 36, 39, 40, 41, 42, 43, 44, 51, 54, 55	4'-0" x 7'-0" x 1-3/4"	A	EXTERIOR INSULATED METAL WALKDOOR	H.M.	PANIC HARDWARE, CLOSER, EXT. LEVER LOCKSET	1, 2, 3, 4
20, 23, 30, 33, 46, 49, 50	4'-0" x 7'-0" x 1-3/4"	B	EXTERIOR INSULATED METAL WALKDOOR	H.M.	PANIC HARDWARE, CLOSER, EXT. LEVER LOCKSET	1, 2, 3, 4
47, 48	4'-0" x 7'-0" x 1-3/4"	C	ALUMINUM STOREFRONT	ALUM	PANIC HARDWARE, CLOSER, EXT. LEVER LOCKSET	1, 2, 3, 5
47, 48, 53	4'-0" x 7'-0" x 1-3/4"	D	ALUMINUM STOREFRONT	ALUM	PANIC HARDWARE, CLOSER, EXT. LEVER LOCKSET	1, 2, 3, 5
12, 38, 45, 52	(PAIR) 3'-0" x 7'-0" x 1-3/4"	E	ALUMINUM STOREFRONT	ALUM	PANIC HARDWARE, CLOSER, EXT. LEVER LOCKSET	1, 2, 3, 5
5, 10, 11, 13, 14, 19, 24, 29, 31, 34, 35, 37	(PAIR) 3'-0" x 7'-0" x 1-3/4"	F	ALUMINUM STOREFRONT	ALUM	PANIC HARDWARE, CLOSER, EXT. LEVER LOCKSET	1, 2, 3, 5

1. REF. DOOR TYPE DESCRIPTION.
2. PROVIDE ELEC. STRIKE HARDWARE AS REQ'D, TIE INTO ACCESS CONTROL PANEL.
3. HOLLOW METAL FRAMES TO BE PRIME PAINTED, ALL SIDES, PRIOR TO INSTALL. FINISH PAINT COLOR CHOSEN BY OWNER.
4. PROVIDE 4 MASONRY TIES AT EACH JAMB AND HINGE FRAME, GROUT FILL FRAME AFTER INSTALLATION.
5. PROVIDE 4 STL ANCHOR PLATES AT EACH JAMB AND HINGE FRAME.



NORTH

FLOOR PLAN - WHEATLEY HALL
1/16" = 1'-0"

- PARTITIONS**
- EXIST. CONSTRUCTION
 - 2x4 WOOD STUDS @ 16" O.C. w/ 5/16" FIBER CEMENT BOARD OVER 1/2" O.S.B. SHEATHING ON INTERIOR AND BRICK VENEER OVER BUILDING WRAP ON 1/2" O.S.B. SHEATHING ON EXTERIOR. (SEE DTL. 12/3 & 13/3)
 - DOUBLE BRICK WALL

- SYMBOLS LEGEND**
- ← DOOR NUMBER
 - ← DOOR TYPE, SEE SCHEDULE

JOB NO.	...
DATED	AUGUST 17, 2022
DRAWN	A.L.T.
CHECKED	W.W.
REVISED	
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REVISED	

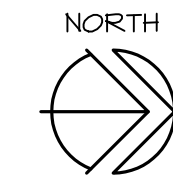
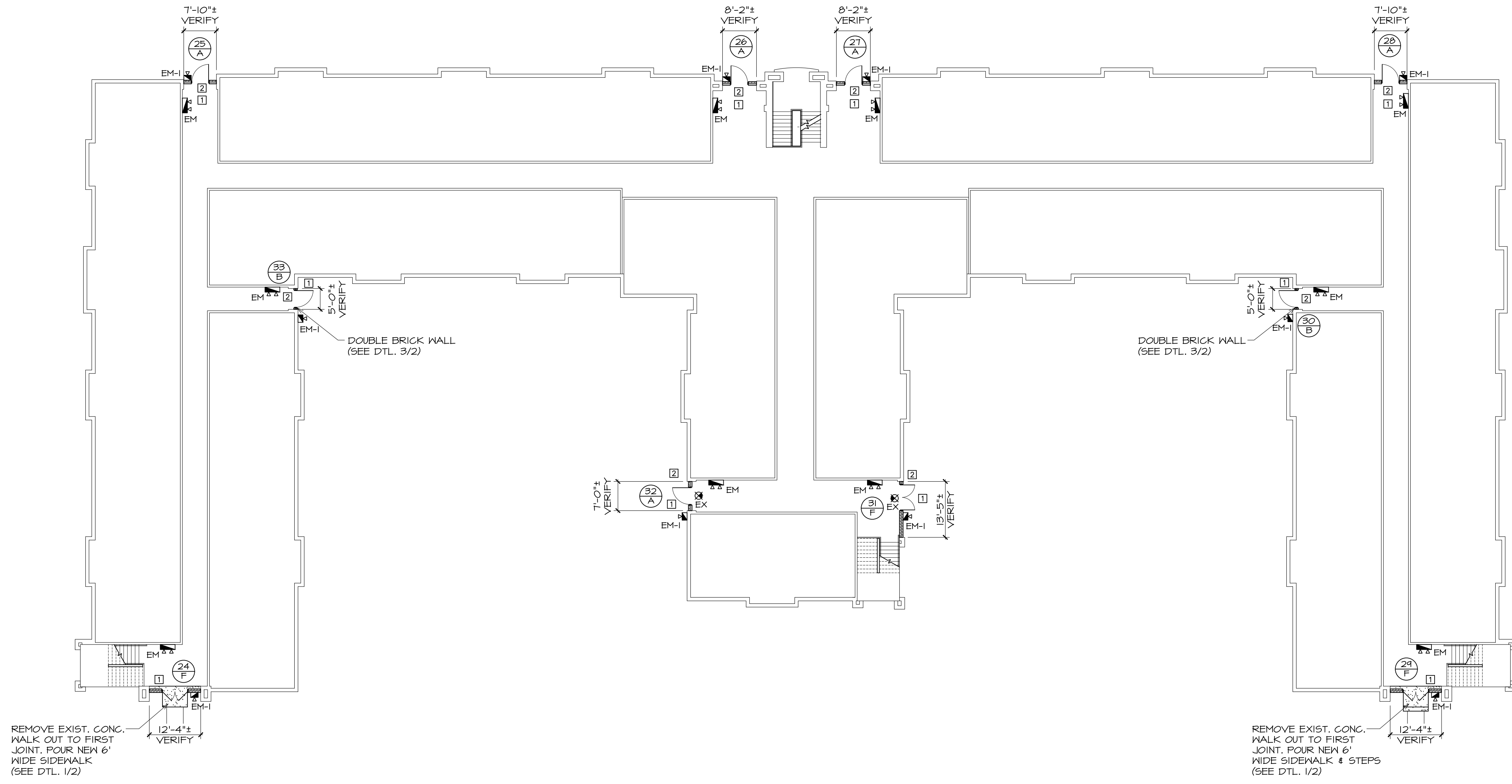
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INSTALLATION OF SECURITY DOORS AND LOCKS
AT EIGHT DORMITORIES
GRAMBLING STATE UNIVERSITY
GRAMBLING, LOUISIANA

SET NO.	
SHEET NO.	4
OF - SHEETS	



FLOOR PLAN - DOUGLASS HALL

1/16" = 1'-0"

PARTITIONS

- EXIST. CONSTRUCTION
- ▨ 2x4 WOOD STUDS @ 16" O.C. w/ 5/16" FIBER CEMENT BOARD OVER 1/2" O.S.B. SHEATHING ON INTERIOR AND BRICK VENEER OVER BUILDING WRAP ON 1/2" O.S.B. SHEATHING ON EXTERIOR. (SEE DTL. 12/3 & 13/3)
- ▨ DOUBLE BRICK WALL

SYMBOLS LEGEND

- ⊙ ← DOOR NUMBER
- ⊙/A ← DOOR TYPE, SEE SCHEDULE

JOB NO.	
DATED	AUGUST 17, 2022
DRAWN	A.L.T.
CHECKED	W.W.
REVISED	
REVISED	
REVISED	

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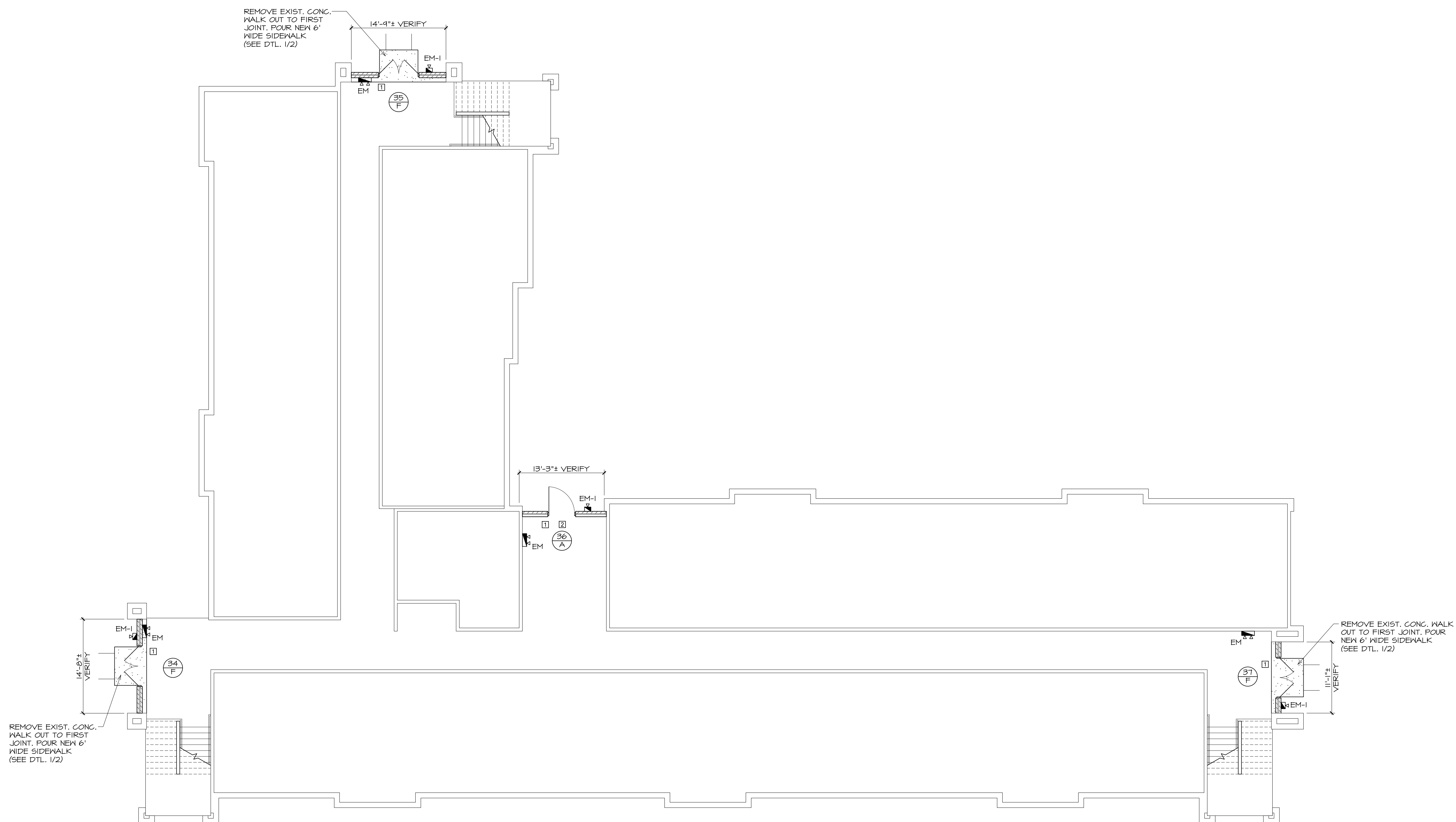


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 email -- woodywhit@aia.com



INSTALLATION OF SECURITY DOORS AND LOCKS
 AT EIGHT DORMITORIES
 GRAMBLING STATE UNIVERSITY
 GRAMBLING, LOUISIANA

SET NO.	
SHEET NO.	5
OF - SHEETS	



FLOOR PLAN - PINCHBACK HALL

1/8" = 1'-0"

PARTITIONS

- EXIST. CONSTRUCTION
- 2x4 WOOD STUDS @ 16" O.C. w/ 5/16" FIBER CEMENT BOARD OVER 1/2" O.S.B. SHEATHING ON INTERIOR AND BRICK VENEER OVER BUILDING WRAP ON 1/2" O.S.B. SHEATHING ON EXTERIOR. (SEE DTL. 12/3 & 13/3)
- DOUBLE BRICK WALL

SYMBOLS LEGEND

- DOOR NUMBER
- DOOR TYPE, SEE SCHEDULE

JOB NO.	
DATE	AUGUST 17, 2022
DRAWN	A.L.T.
CHECKED	W.W.
REVISED	
REVISED	
REVISED	

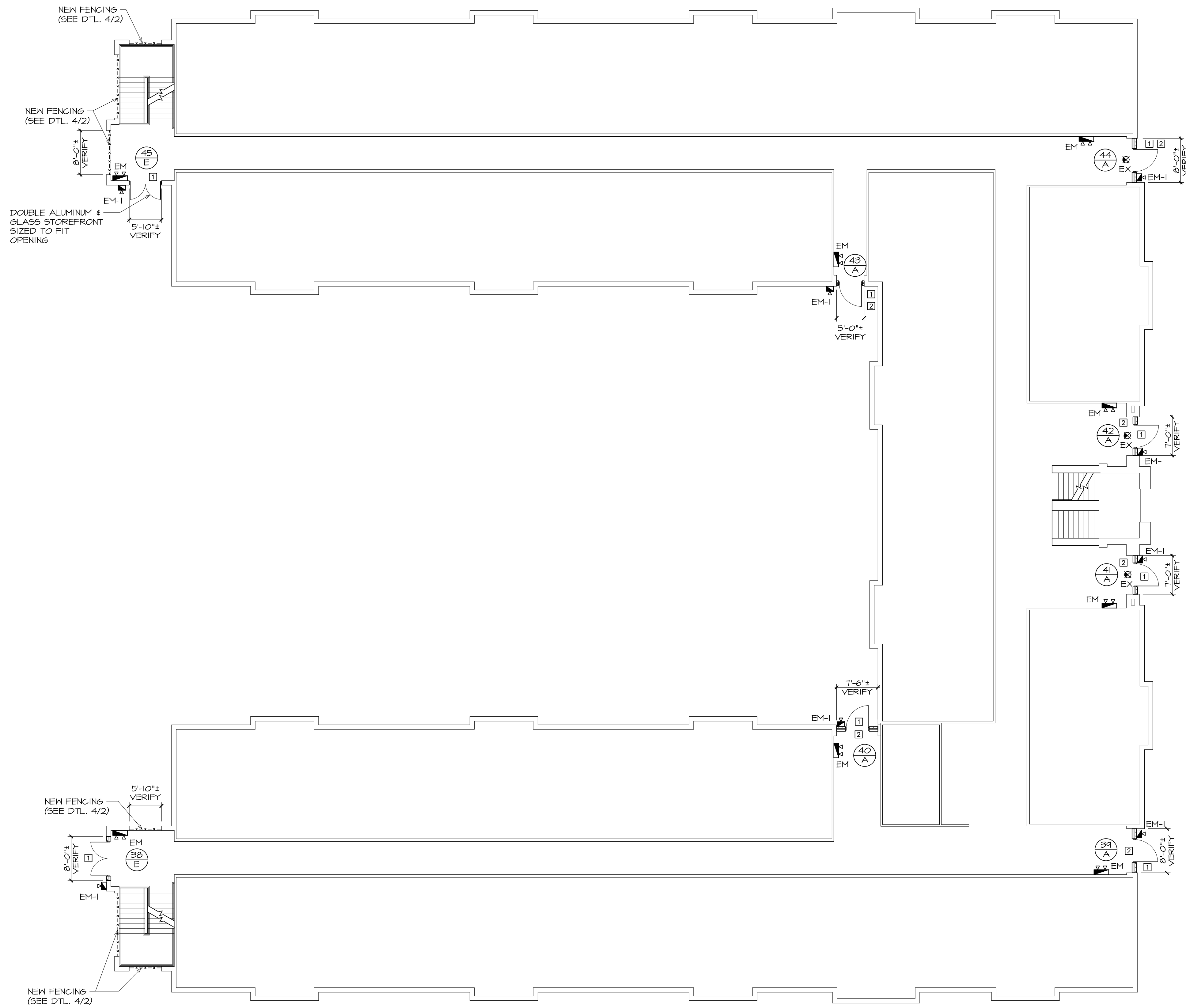
WHITTINGTON ARCHITECTS, INC.
 MEMBER AMERICAN INSTITUTE OF ARCHITECTS

E. WOODROW WHITTINGTON, JR., ARCHITECT
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 GRAMBLING, LOUISIANA

SET NO.	
SHEET NO.	6
OF - SHEETS	



FLOOR PLAN - BETHUNE HALL

3/32" = 1'-0"

PARTITIONS

- EXIST. CONSTRUCTION
- 2x4 WOOD STUDS @ 16" O.C., w/ 5/16" FIBER CEMENT BOARD OVER 1/2" O.S.B. SHEATHING ON INTERIOR AND BRICK VENEER OVER BUILDING WRAP ON 1/2" O.S.B. SHEATHING ON EXTERIOR. (SEE DTL. 12/3 & 13/3)
- DOUBLE BRICK WALL

SYMBOLS LEGEND

- DOOR NUMBER
- DOOR TYPE, SEE SCHEDULE

CSB NO.	
DATED	AUGUST 17, 2022
DRAWN	A.L.T.
CHECKED	W.W.
REVISED	
REVISED	
REVISED	

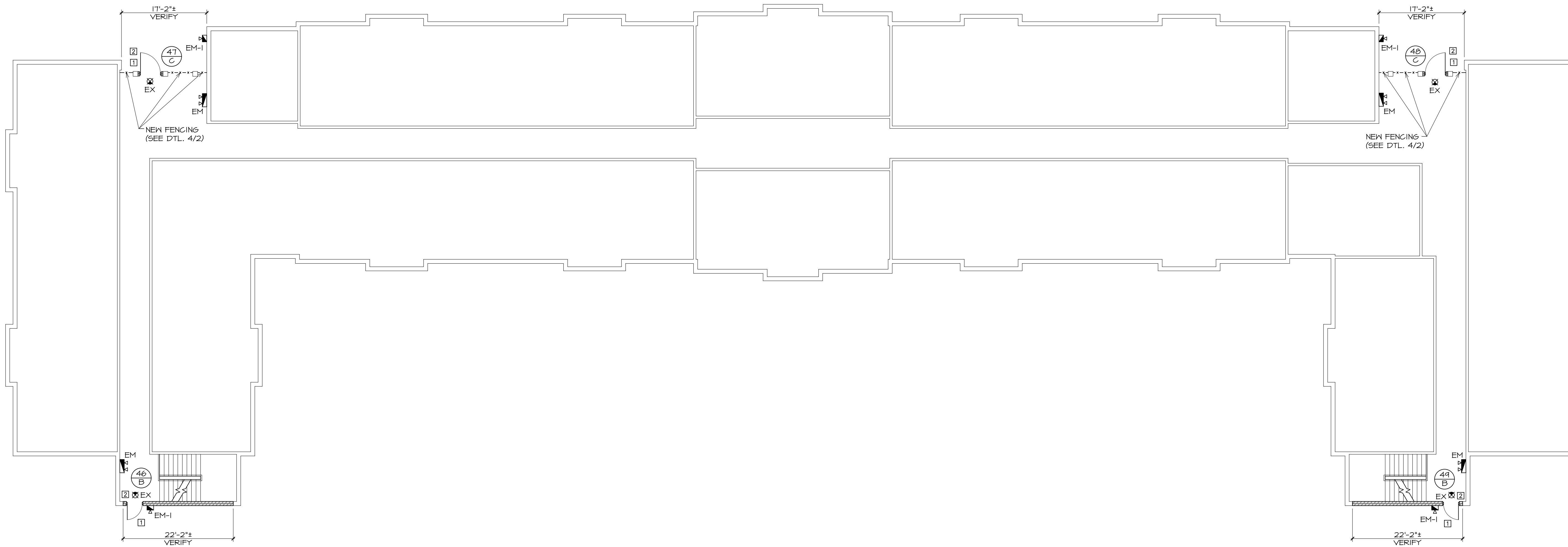
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 GRAMBLING, LOUISIANA


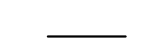
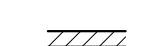
SET NO.	
SHEET NO.	7
OF - SHEETS	



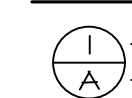
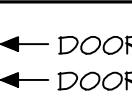
FLOOR PLAN - KNOTT HALL

3/32" = 1'-0"

PARTITIONS

-  EXIST. CONSTRUCTION
-  2x4 WOOD STUDS @ 16" O.C. w/ 5/16" FIBER CEMENT BOARD OVER 1/2" O.S.B. SHEATHING ON INTERIOR AND BRICK VENEER OVER BUILDING WRAP ON 1/2" O.S.B. SHEATHING ON EXTERIOR. (SEE DTL. 12/3 & 13/3)
-  DOUBLE BRICK WALL

SYMBOLS LEGEND

-  ← DOOR NUMBER
-  ← DOOR TYPE, SEE SCHEDULE

JOB NO.	
DATED	AUGUST 17, 2022
DRAWN	A.L.T.
CHECKED	W.W.
REVISED	
REVISED	
REVISED	

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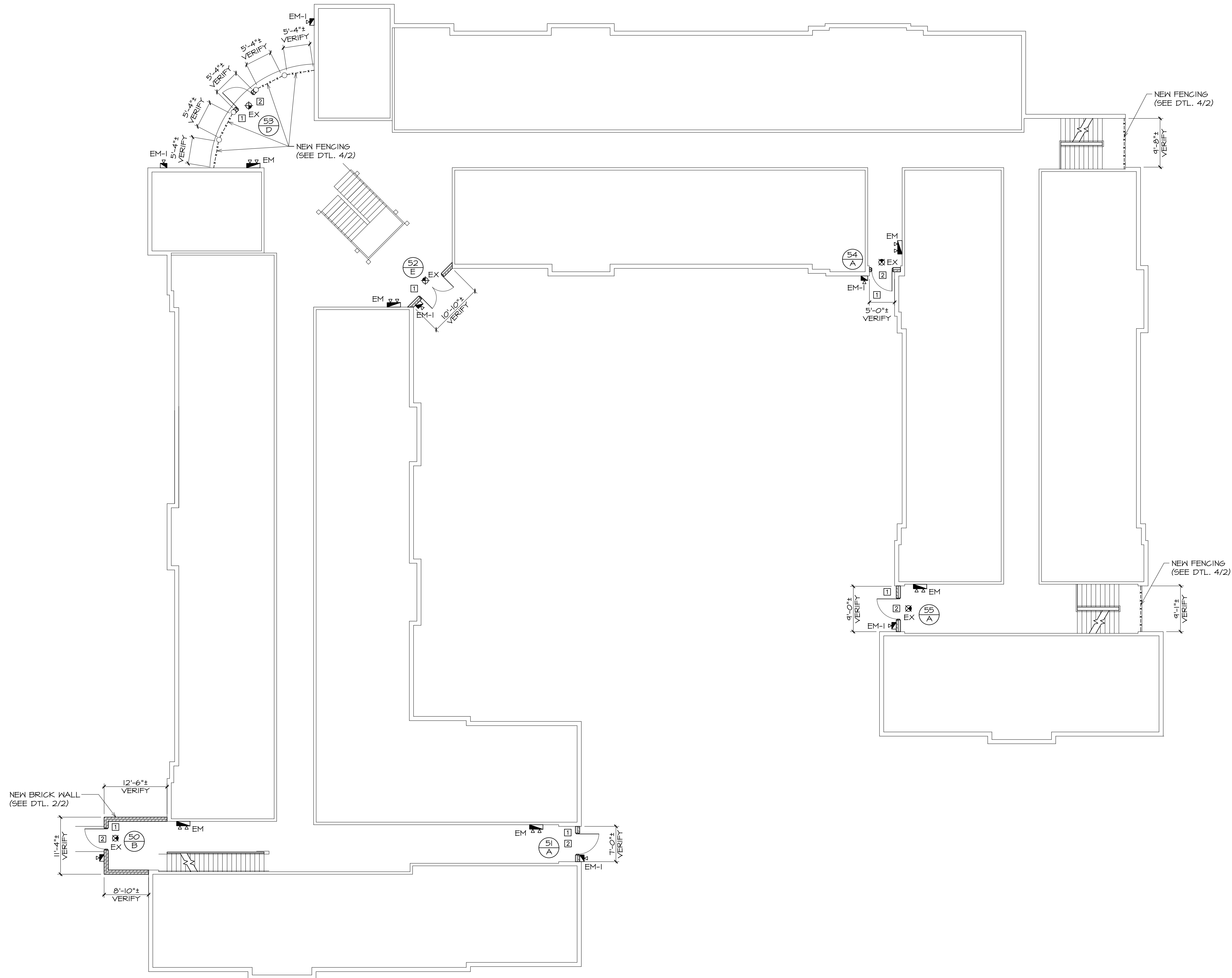


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INSTALLATION OF SECURITY DOORS AND LOCKS
 AT EIGHT DORMITORIES
 GRAMBLING STATE UNIVERSITY
 GRAMBLING, LOUISIANA

SET NO.	
SHEET NO.	8
OF - SHEETS	



FLOOR PLAN - HOLLAND HALL

3/32" = 1'-0"

PARTITIONS

- EXIST. CONSTRUCTION
- ▨ 2x4 HOOD STUDS @ 16" O.C. w/ 5/16" FIBER CEMENT BOARD OVER 1/2" O.S.B. SHEATHING ON INTERIOR AND BRICK VENEER OVER BUILDING WRAP ON 1/2" O.S.B. SHEATHING ON EXTERIOR. (SEE DTL. 12/3 & 13/3)
- ▨ DOUBLE BRICK WALL

SYMBOLS LEGEND

- ⊙ DOOR NUMBER
- ⊙ DOOR TYPE, SEE SCHEDULE

JOB NO.	
DATED	AUGUST 17, 2022
DRAWN	A.L.T.
CHECKED	W.W.
REVISED	
REVISED	
REVISED	

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INSTALLATION OF SECURITY DOORS AND LOCKS
 AT EIGHT DORMITORIES
 GRAMBLING STATE UNIVERSITY
 GRAMBLING, LOUISIANA

SET NO.	
SHEET NO.	9
OF - SHEETS	

JOB NO.	
DATED	AUGUST 17, 2022
DRAWN	A.L.T.
CHECKED	W.W.
REVISED	
REVISED	
REVISED	

WHITTINGTON ARCHITECTS, INC.
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INSTALLATION OF SECURITY DOORS AND LOCKS
AT EIGHT DORMITORIES
GRAMBLING STATE UNIVERSITY
GRAMBLING, LOUISIANA

REVISIONS				
REV	DATE	ECO	ENG	
A	05.12.21	0	MG	

BILL OF MATERIAL				
PART #	DESCRIPTION	QTY	OPT	KIT PART NUMBER
PH200303	Control Unit, HT34/38, Off Line	1		
VB00440	Power Supply, 1224	1		
VB100480	Battery, 12V, 4.5AMP Lead Acid	2		
RH400530	Variable M.O.V. Metal Oxide 31	1		
EH500430	Vbar, 626, 36, Grooved	1		
EH500340	Vbar, 626, 36, El, Grooved	1		
ER000480	El Hinge, A-1/2 X4-1/2, 626	1		
WRDR, 626	WALL READER, 626	1	X	KHA3-VD6-626
WRDR, 626, BTLE	WALL READER, 626 BTLE	1	X	KHA3-VD6-626-B
WRDR, TRILLIUM, 626	WALL READER, TRILLIUM, 626, BTLE	1	X	KHA3T-VD6-626-B

NOTES:

- TO BE INSTALLED BY AN AUTHORIZED ONITY TECHNICIAN ONLY.
- LICENSED ELECTRICIAN MUST ENSURE THAT THE PS CIRCUIT CAN BE EASILY DE-ENERGIZED.
- BEFORE INSTALLATION VERIFY ALL EXISTING PARTS ARE OPERATIONAL.
- EQUIPMENT CONTROLLED VIA RELAY MUST FOLLOW FAIL-SAFE OR FAIL-SECURE INSTALLATION REQUIREMENTS AS PER AHJ.
- USE BELDEN 6302FE (OR EQUIVALENT) - 4C, 18AWG STRANDED/SHEATHED, 75°C PLENUM, CMP, NFPA 262 RATED WIRE ONLY.
- AS IS REQUIRED, CONTACT LOCAL WASTE AUTHORITY FOR INSTRUCTIONS ON PROPERLY DISPOSING OF ELECTRONIC WASTE.
- FOR ITEMS MARKED OPTIONAL, ONLY ONE ITEM WILL BE INCLUDED WITH KIT. SEE BILL OF MATERIALS FOR KIT/READER RELATIONSHIP.
- 626 FINISH CALLED OUT ON DRAWING. PLEASE NOTE FINISH MAY VARY DEPENDING ON CUSTOMER ORDER.

STANDARD TOLERANCE		TITLE	
ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED	SEE NOTES	DWG. WIRING DIAGRAM VDB	APPROVED
DATE: 01.10.22	DESIGNED BY: M. GERSZTYN	DATE: 01.10.22	APPROVED BY: M. GERSZTYN

VD6 TYPICAL WIRING

WIRE DISTANCE FROM CARD READER TO CONTROL UNIT **MUST NOT EXCEED 75 FEET**

*****IMPORTANT INFORMATION*****

- ONITY EQUIPMENT REQUIRES 16-2, 18-2 AND 18-4 STRANDED, SHEATHED, PLENUM RATED WIRE. THE 18-4 CABLE IS BELDEN 6302F4 (OR EQUIV.) 4C, 18AWG STRANDED/SHEATHED, 75°C PLENUM, CMP, F-NFPA 262 RATED.
- ONITY WILL INSTALL POWER SUPPLY BOX, WALL READER, PT HINGE, RETRACTION BAR AND WILL CONNECT/TERMINATE WIRING TO THESE DEVICES.
- THE SITE IS RESPONSIBLE FOR HAVING ALL WIRES IN EACH STUB UP LOCATION PULLED PRIOR TO ARRIVAL OF THE ONITY INSTALLATION TEAM. AFTER INSTALLATION, THE SITE IS RESPONSIBLE FOR HAVING A LICENSED ELECTRICIAN HOOK UP THE POWER TO THE POWER SUPPLY.
- PREP FOR ELECTRIC TRANSFER HINGE MUST BE DONE BY OTHERS. ONITY WILL ONLY INSTALL ON PRE-PREPARED DOORS AND FRAMES.

NOTES:

- WIRING FOLLOWS ACCEPTABLE METHODS AS PER THE AGENCY HAVING JURISDICTION (AHJ).
- WHEN INSTALLING TO AN UNSECURED AREA, USE PROVIDED LOCK AND KEY.
- DUE TO HAZARDOUS VOLTAGE, DE-ENERGIZE AC POWER BEFORE SERVICING.
- RFID READERS REQUIRE A DOUBLE GANG BOX FOR FLUSH INSTALLATIONS, SINGLE GANG BOX FOR RFID SURFACE MOUNT OR MAG READERS.

STANDARD TOLERANCE		TITLE	
ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED	SEE NOTES	DWG. WIRING DIAGRAM VDB	APPROVED
DATE: 01.10.22	DESIGNED BY: M. GERSZTYN	DATE: 01.10.22	APPROVED BY: M. GERSZTYN

!! WARNING: HIGH VOLTAGE !!
HAZARDOUS VOLTAGE (120VAC) CONTACT MAY CAUSE ELECTRICAL SHOCK AND INJURY.

DE-ENERGIZE AC POWER BEFORE SERVICING.

IMPORTANT: USE 18AWG WIRE FOR ALL WIRES THAT ARE LABELED BLACK, 24 OR LABELED RED, 24. IF 18AWG NOT AVAILABLE, CREATE WIRE PAIRS USING 18/4 CABLE. DO NOT EXCEED 100FT TOTAL WIRE LENGTH. TOTAL WIRE LENGTH INCLUDES CONNECTIONS BETWEEN POWER SUPPLY, RELAY, PT HINGE AND FARTHEST RETRACTION DEVICE.

IMPORTANT: USE BELDEN 6302FE (OR EQUIVALENT) 4C, 18AWG STRANDED/SHEATHED, 75°C PLENUM, CMP, NFPA 262 RATED WIRE ONLY (MAX LENGTH 75').

NOTES FOR THE ONITY CERTIFIED INSTALLER:

- USE A RING TERMINAL TO CONNECT THE READER GROUND WIRE TO THE READER CHASSIS.
- USE METAL STANDOFF TO MOUNT CA32 TO BOX CHASSIS. IF NOT AVAILABLE USE 18AWG WIRE AND RING TERMINALS TO GROUND.
- ENSURE WIRES & CABLES PASSING THROUGH PS BOX WALL ARE SECURED USING 24" NON-METALIC WIRE INSULATORS.
- DO NOT GROUND BOTH ENDS OF THE BARE CABLE DRAIN WIRE. USE RING TERMINAL TO GROUND TO PS BOX CHASSIS ONLY.
- CLAMP THE FERRITE BEAD ONTO UNSHEATHED READER CABLE WIRES NEAR THE CONTROL BOARD INSIDE THE PS BOX.
- USE CORRECT WIRE FOR LENGTH AS PER THE VON DUPRIN INSTALL INSTRUCTIONS.
- ENSURE THAT THE BARE CABLE DRAIN WIRE IS COMPLETELY INSULATED WITH HEAT SHRINK TUBING OR ELECTRICAL TAPE.
- INSTALL AN M.O.V. DEVICE (200C MODEL) AS CLOSE AS POSSIBLE TO INPUT WIRES / TERMINALS ON 24V DEVICES.

STANDARD TOLERANCE		TITLE	
ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED	SEE NOTES	DWG. WIRING DIAGRAM VDB	APPROVED
DATE: 01.10.22	DESIGNED BY: M. GERSZTYN	DATE: 01.10.22	APPROVED BY: M. GERSZTYN

!! WARNING: HIGH VOLTAGE !!
HAZARDOUS VOLTAGE (120VAC) CONTACT MAY CAUSE ELECTRICAL SHOCK AND INJURY.

DE-ENERGIZE AC CIRCUIT BEFORE SERVICING.

WHEN INSTALLING TO UNSECURED AREAS USE PROVIDED LOCK & KEY.

POWER SUPPLY SHOULD BE LOCATED WHERE IT IS ACCESSIBLE IN THE EVENT OF A POWER SUPPLY FAILURE.

*BOX DEPTH: 5 1/2" (DIMENSION NOT SHOWN)

NOTES:

- THE ADVANCE RFID READER DEPTH MEASURES APPROXIMATELY 2.70". THIS DIFFERS FROM THE TRILLIUM RFID READER DEPTH OF 2.20".
- USE LOW PROFILE 18AWG RING TERMINAL TO CONNECT GROUND WIRE TO LOCATION INDICATED WHEN APPLICABLE (PER CHART).
- ENSURE THAT RING TERMINAL AND GROUND WIRE ARE NOT PINCHED OR INTERFERE WITH CIRCUITRY.

STANDARD TOLERANCE		TITLE	
ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED	SEE NOTES	DWG. WIRING DIAGRAM VDB	APPROVED
DATE: 01.10.22	DESIGNED BY: M. GERSZTYN	DATE: 01.10.22	APPROVED BY: M. GERSZTYN

RFID & MAG READER GROUNDING AND DIMENSIONS

WIRE DISTANCE FROM CARD READER TO CONTROL UNIT **MUST NOT EXCEED 75 FEET**

CONNECT GROUND WIRE TO UPPER MOUNTING SCREW OF BOX OR WITH SELF TAPPING SCREW TO ASSURE METAL TO METAL CONTACT AS PER NOTE 2.

CONNECT GROUND WIRE TO READER CHASSIS AS INDICATED PER NOTE 2.

Mounting Location	Ground RFID Reader?	Ground MAG Reader?
Direct to Wood or Drywall	YES	YES
To a Metal Gang box on Wood or Drywall	YES	YES
Aluminum Storefront Systems	NO	YES
Elevator Cab	NO	YES
Masonry or Stone	YES	YES

NOTES:

- THE ADVANCE RFID READER DEPTH MEASURES APPROXIMATELY 2.70". THIS DIFFERS FROM THE TRILLIUM RFID READER DEPTH OF 2.20".
- USE LOW PROFILE 18AWG RING TERMINAL TO CONNECT GROUND WIRE TO LOCATION INDICATED WHEN APPLICABLE (PER CHART).
- ENSURE THAT RING TERMINAL AND GROUND WIRE ARE NOT PINCHED OR INTERFERE WITH CIRCUITRY.

STANDARD TOLERANCE		TITLE	
ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED	SEE NOTES	DWG. WIRING DIAGRAM VDB	APPROVED
DATE: 01.10.22	DESIGNED BY: M. GERSZTYN	DATE: 01.10.22	APPROVED BY: M. GERSZTYN