# ADDENDUM NO. 01

**October 26, 2026**

**Linton-Stockton Jr. Sr. High School Additions & Renovations**
**10 H Street NE**
**Linton, IN 47441**

## TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and the Drawings dated September 25, 2026, by Wold/VPS Architecture. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 1-1 through ADD 1-2 and attached Wold/VPS Architecture Addendum No. 1, dated October 22, 2026, consisting of three (3) pages, Added Specification Section 07 95 00 Expansion Control; Revised Specification Sections 07 42 13 Metal Wall Panels, 27 15 13 Communications Copper Horizontal Cabling, and 27 14 16 Integrated Audio Video Systems and Equipment; and twenty-six (26) drawings.

### A. SPECIFICATION SECTION 00 00 20 – TABLE OF CONTENTS

1. **Add the following Specification Section:**
   Section 07 95 00 Expansion Control

### B. SPECIFICATION SECTION 00 70 00 – GENERAL CONDITIONS

1. Insert the included AIA 201-2017 Owner General Conditions.

## C. SPECIFICATION SECTION 01 12 00 – MULTIPLE CONTRACT SUMMARY

### 3.03 BID CATEGORIES

A. BID CATEGORY NO. 1 – GENERAL TRADES

Add the following Specification Section:

| | | |
|---|---|---|
| Section | 07 95 00 | Expansion Control |

C. BID CATEGORY NO. 3 – MASONRY

Add the following Specification Section:

| | | |
|---|---|---|
| Section | 07 95 00 | Expansion Control |

E. BID CATEGORY NO. 5 – METAL STUDS, DRYWALL & CEILINGS

Add the following Specification Section:

| | | |
|---|---|---|
| Section | 07 95 00 | Expansion Control |

## SPECIFICATION SECTION 01 32 00 – SCHEDULES AND REPORTS

1. See attached Guideline Schedule.

# AIA® Document A201® – 2017

## *General Conditions of the Contract for Construction*

**for the following PROJECT:**
*(Name and location or address)*

2026-2028 Secondary School Facility Transformation Project
Linton-Stockton High School
Linton-Stockton Middle School

**THE OWNER:**
*(Name, legal status and address)*

Linton-Stockton School Corporation
109 I Street NE
Linton, Indiana 47441

**THE ARCHITECT:**
*(Name, legal status and address)*

VPS Architecture
528 Main Street, Suite 400
Evansville, Indiana 47708

**ADDITIONS AND DELETIONS:**
The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

For guidance in modifying this document to include supplementary conditions, see AIA Document A503™, Guide for Supplementary Conditions.

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1.1.1, 2.4, 3.9, 7, 8.2.2, 12.1, 12.2, 13.4.2, 14.3.1


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## ARTICLE 1 GENERAL PROVISIONS

### § 1.1 Basic Definitions

#### § 1.1.1 The Contract Documents

The Contract Documents are enumerated in the Agreement between the Owner and Contractor (hereinafter the Agreement) and consist of the Agreement, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, Addenda issued prior to execution of the Contract, other documents listed in the Agreement, and Modifications issued after execution of the Contract. A Modification is (1) a written amendment to the Contract signed by both parties, (2) a Change Order, (3) a Construction Change Directive, or (4) a written order for a minor change in the Work issued by the Architect. The Contract Documents do not include the advertisement or invitation to bid, Instructions to Bidders, sample forms, other information furnished by the Owner in anticipation of receiving bids or proposals, the Contractor's bid or proposal, or portions of Addenda relating to bidding or proposal requirements.

#### § 1.1.2 The Contract

The Contract Documents form the Contract for Construction. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations, or agreements, either written or oral. The Contract may be amended or modified only by a Modification. The Contract Documents shall not be construed to create a contractual relationship of any kind (1) between the Contractor and the Architect or the Architect's consultants, (2) between the Owner and a Subcontractor or a Sub-subcontractor, (3) between the Owner and the Architect or the Architect's consultants, or (4) between any persons or entities other than the Owner and the Contractor. The Architect shall, however, be entitled to performance and enforcement of obligations under the Contract intended to facilitate performance of the Architect's duties.

#### § 1.1.3 The Work

The term "Work" means the construction and services required by the Contract Documents, whether completed or partially completed, and includes all other labor, materials, equipment, and services provided or to be provided by the Contractor to fulfill the Contractor's obligations. The Work may constitute the whole or a part of the Project.

#### § 1.1.4 The Project

The Project is the total construction of which the Work performed under the Contract Documents may be the whole or a part and which may include construction by the Owner and by Separate Contractors.

#### § 1.1.5 The Drawings

The Drawings are the graphic and pictorial portions of the Contract Documents showing the design, location and dimensions of the Work, generally including plans, elevations, sections, details, schedules, and diagrams.

#### § 1.1.6 The Specifications

The Specifications are that portion of the Contract Documents consisting of the written requirements for materials, equipment, systems, standards and workmanship for the Work, and performance of related services.

#### § 1.1.7 Instruments of Service

Instruments of Service are representations, in any medium of expression now known or later developed, of the tangible and intangible creative work performed by the Architect and the Architect's consultants under their respective professional services agreements. Instruments of Service may include, without limitation, studies, surveys, models, sketches, drawings, specifications, and other similar materials.

#### § 1.1.8 Initial Decision Maker

The Initial Decision Maker is the person identified in the Agreement to render initial decisions on Claims in accordance with Section 15.2. The Initial Decision Maker shall not show partiality to the Owner or Contractor.

### § 1.2 Correlation and Intent of the Contract Documents

**§ 1.2.1** The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all; performance by the Contractor shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the indicated results. To the extent that an inconsistency within a Contract Document or between the Contract Documents cannot be resolved by reference to the preceding sentence, the document or documents in question shall be construed to require the greater quantity, higher quality, and/or sooner completion of the Work or relevant portions thereof.


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**§ 1.2.1.1** The invalidity of any provision of the Contract Documents shall not invalidate the Contract or its remaining provisions. If it is determined that any provision of the Contract Documents violates any law, or is otherwise invalid or unenforceable, then that provision shall be revised to the extent necessary to make that provision legal and enforceable. In such case the Contract Documents shall be construed, to the fullest extent permitted by law, to give effect to the parties' intentions and purposes in executing the Contract.

**§ 1.2.2** Organization of the Specifications into divisions, sections and articles, and arrangement of Drawings shall not control the Contractor in dividing the Work among Subcontractors or in establishing the extent of Work to be performed by any trade.

**§ 1.2.3** Unless otherwise stated in the Contract Documents, words that have well-known technical or construction industry meanings are used in the Contract Documents in accordance with such recognized meanings.

### § 1.3 Capitalization

Terms capitalized in these General Conditions include those that are (1) specifically defined, (2) the titles of numbered articles, or (3) the titles of other documents published by the American Institute of Architects.

### § 1.4 Interpretation

In the interest of brevity the Contract Documents frequently omit modifying words such as "all" and "any" and articles such as "the" and "an," but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

### § 1.5 Ownership and Use of Drawings, Specifications, and Other Instruments of Service

**§ 1.5.1** The Architect and the Architect's consultants shall be deemed the authors and owners of their respective Instruments of Service, including the Drawings and Specifications, and retain all common law, statutory, and other reserved rights in their Instruments of Service, including copyrights. The Contractor, Subcontractors, Sub-subcontractors, and suppliers shall not own or claim a copyright in the Instruments of Service. Submittal or distribution to meet official regulatory requirements or for other purposes in connection with the Project is not to be construed as publication in derogation of the Architect's or Architect's consultants' reserved rights.

**§ 1.5.2** The Contractor, Subcontractors, Sub-subcontractors, and suppliers are authorized to use and reproduce the Instruments of Service provided to them, subject to any protocols established pursuant to Sections 1.7 and 1.8, solely and exclusively for execution of the Work. All copies made under this authorization shall bear the copyright notice, if any, shown on the Instruments of Service. The Contractor, Subcontractors, Sub-subcontractors, and suppliers may not use the Instruments of Service on other projects or for additions to the Project outside the scope of the Work without the specific written consent of the Owner, Architect, and the Architect's consultants.

### § 1.6 Notice

**§ 1.6.1** Except as otherwise provided in Section 1.6.2, where the Contract Documents require one party to notify or give notice to the other party, such notice shall be provided in writing to the designated representative of the party to whom the notice is addressed and shall be deemed to have been duly served if delivered in person, by mail, by courier, or by electronic transmission if a method for electronic transmission is set forth in the Agreement.

**§ 1.6.2** Notice of Claims as provided in Section 15.1.3 shall be provided in writing and shall be deemed to have been duly served only if delivered to the designated representative of the party to whom the notice is addressed by certified or registered mail, or by courier providing proof of delivery.

### § 1.7 Digital Data Use and Transmission

The parties shall agree upon protocols governing the transmission and use of Instruments of Service or any other information or documentation in digital form.

### § 1.8 Building Information Models Use and Reliance

Any use of, or reliance on, all or a portion of a building information model without agreement to protocols governing the use of, and reliance on, the information contained in the model shall be at the using or relying party's sole risk and without liability to the other party and its contractors or consultants, the authors of, or contributors to, the building information model, and each of their agents and employees.


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## ARTICLE 2 OWNER

### § 2.1 General

**§ 2.1.1** The Owner is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Owner shall designate in writing a representative who shall have express authority to bind the Owner with respect to all matters requiring the Owner's approval or authorization. Except as otherwise provided in Section 4.2.1, the Architect does not have such authority. The term "Owner" means the Owner or the Owner's authorized representative.

**§ 2.1.2** Pursuant to Indiana Law, no mechanic's lien may be recorded against the Project or the Owner.

**§ 2.1.3** Notwithstanding anything to the contrary in the Agreement or in any document, attachment, plan, specification, or other instrument executed in connection herewith, under no circumstances shall any member, manager, shareholder, officer, director, partner, parent, affiliate, employee or agent of Owner other than Owner have any liability of any kind or nature under the Agreement, and in no event shall Contractor bring claims against or seek to hold any person or entity other than Owner liable for the satisfaction of any obligations owed or that may come to be owed under the terms of the Contract.

### § 2.2 Evidence of the Owner's Financial Arrangements

**§ 2.2.1** Prior to commencement of the Work and upon written request by the Contractor, the Owner shall furnish to the Contractor reasonable evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract. The Contractor shall have no obligation to commence the Work until the Owner provides such evidence. If commencement of the Work is delayed under this Section 2.2.1, the Contract Time shall be extended appropriately.

**§ 2.2.2** After the Owner furnishes evidence of financial arrangements under this Section 2.2, the Owner shall not materially vary such financial arrangements without prior notice to the Contractor.

**§ 2.2.3** Where the Owner has designated information furnished under this Section 2.2 as "confidential," the Contractor shall keep the information confidential and shall not disclose it to any other person. However, the Contractor may disclose "confidential" information, after seven (7) days' notice to the Owner, where disclosure is required by law, including a subpoena or other form of compulsory legal process issued by a court or governmental entity, or by court or arbitrator(s) order. The Contractor may also disclose "confidential" information to its employees, consultants, sureties, Subcontractors and their employees, Sub-subcontractors, and others who need to know the content of such information solely and exclusively for the Project and who agree to maintain the confidentiality of such information.

*(Paragraph deleted)*

### § 2.3 Information and Services Required of the Owner

**§ 2.3.1** Except for permits and fees that are the responsibility of the Contractor under the Contract Documents, including those required under Section 3.7.1, the Owner shall secure and pay for necessary approvals, easements, assessments and charges required for construction, use or occupancy of permanent structures or for permanent changes in existing facilities.

**§ 2.3.2** The Owner shall retain an architect lawfully licensed to practice architecture, or an entity lawfully practicing architecture, in the jurisdiction where the Project is located. That person or entity is identified as the Architect in the Agreement and is referred to throughout the Contract Documents as if singular in number.

**§ 2.3.3** If the employment of the Architect terminates, the Owner shall employ a successor to whom the Contractor has no reasonable objection and whose status under the Contract Documents shall be that of the Architect.

**§ 2.3.4** The Owner shall furnish surveys describing physical characteristics, legal limitations and utility locations for the site of the Project, and a legal description of the site. The Contractor shall be entitled to reasonably rely on the accuracy of information furnished by the Owner but shall exercise proper precautions relating to the safe performance of the Work.

**§ 2.3.5** The Owner shall furnish information or services required of the Owner by the Contract Documents with reasonable promptness. The Owner shall also furnish any other information or services in the Owner's possession and


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relevant to the Contractor's performance of the Work with reasonable promptness after receiving the Contractor's written request for such information or services.

**§ 2.3.6** Unless otherwise provided in the Contract Documents, the Owner shall furnish to the Contractor one copy of the Contract Documents for purposes of making reproductions pursuant to Section 1.5.2.

### § 2.4 Owner's Right to Stop the Work

If the Contractor fails to correct Work that is not in accordance with the requirements of the Contract Documents as required by Section 12.2 or repeatedly fails to carry out Work in accordance with the Contract Documents, the Owner may issue a written order to the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the Owner to stop the Work shall not give rise to a duty on the part of the Owner to exercise this right for the benefit of the Contractor or any other person or entity, except to the extent required by Section 6.1.3. If the Owner stops the Work as provided herein, the Contractor shall not be entitled to an extension of the Contract Time to complete the Work for the time during which the Work was stopped.

### § 2.5 Owner's Right to Carry Out the Work

If the Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a ten-day period after receipt of notice from the Owner to commence and continue correction of such default or neglect with diligence and promptness, the Owner may, without prejudice to other remedies the Owner may have, correct such default or neglect. The Architect may, pursuant to Section 9.5.1, withhold or nullify a Certificate for Payment in whole or in part, to the extent reasonably necessary to reimburse the Owner for the reasonable cost of correcting such deficiencies, including Owner's expenses and compensation for the Architect's additional services made necessary by such default, neglect, or failure. If current and future payments are not sufficient to cover such amounts, the Contractor shall pay the difference to the Owner. If the Contractor disagrees with the actions of the Owner or the Architect, or the amounts claimed as costs to the Owner, the Contractor may file a Claim pursuant to Article 15. The Contractor is not entitled to an adjustment of the Contract Time in connection with this Section 2.5.

## ARTICLE 3 CONTRACTOR

### § 3.1 General

**§ 3.1.1** The Contractor is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Contractor shall be lawfully licensed, if required in the jurisdiction where the Project is located. The Contractor shall designate in writing a representative who shall have express authority to bind the Contractor with respect to all matters under this Contract. The term "Contractor" means the Contractor or the Contractor's authorized representative.

**§ 3.1.2** The Contractor shall perform the Work in accordance with the Contract Documents.

**§ 3.1.3** The Contractor shall not be relieved of its obligations to perform the Work in accordance with the Contract Documents either by activities or duties of the Architect in the Architect's administration of the Contract, or by tests, inspections or approvals required or performed by persons or entities other than the Contractor.

**§ 3.1.4** Within ten (10) days after the Contractor executes the Agreement or such shorter time as required by the bidding documents, but not later than the start of Work on the Project, the Contractor shall deliver to the Owner: (i) a copy of Contractor's license; (ii) a copy of the Contractor's sales tax registration certificate; (iii) a copy of all applicable certifications or qualifications required by the Contract Documents or applicable law or regulation; (iv) a list of the Contractor's project staff; (v) all required certificates of insurance, including a Certification of Compliance for worker's compensation insurance; and (vi) all other information required by the Contract Documents. Along with execution of the Guaranteed Maximum Price Amendment, the Contractor shall deliver to the Owner all required payment and performance bonds.

**§ 3.1.5** The relationship between the Owner and the Contractor is that of independent contractor. The Contract Documents shall not be construed to make the Contractor the agent, servant or employee of the Owner or to create any joint venture, partnership or other association between the Owner and the Contractor other than that of independent contractor.


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### § 3.2 Review of Contract Documents and Field Conditions by Contractor

**§ 3.2.1** Execution of the Contract by the Contractor is a representation that the Contractor has visited the site, become generally familiar with local conditions under which the Work is to be performed, and correlated personal observations with requirements of the Contract Documents.

**§ 3.2.2** Because the Contract Documents are complementary, the Contractor shall, before starting each portion of the Work, carefully study and compare the various Contract Documents relative to that portion of the Work, as well as the information furnished by the Owner pursuant to Section 2.3.4, shall take field measurements of any existing conditions related to that portion of the Work, and shall observe any conditions at the site affecting it. These obligations are for the purpose of facilitating coordination and construction by the Contractor and are not for the purpose of discovering errors, omissions, or inconsistencies in the Contract Documents; however, the Contractor shall promptly report to the Architect any errors, inconsistencies or omissions discovered by or made known to the Contractor as a request for information in such form as the Architect may require. It is recognized that the Contractor's review is made in the Contractor's capacity as a contractor and not as a licensed design professional, unless otherwise specifically provided in the Contract Documents.

**§ 3.2.3** The Contractor is not required to ascertain that the Contract Documents are in accordance with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, but the Contractor shall promptly report to the Architect any nonconformity discovered by or made known to the Contractor as a request for information in such form as the Architect may require.

**§ 3.2.4** If the Contractor believes that additional cost or time is involved because of clarifications or instructions the Architect issues in response to the Contractor's notices or requests for information pursuant to Sections 3.2.2 or 3.2.3, the Contractor shall submit Claims as provided in Article 15. If the Contractor fails to perform the obligations of Sections 3.2.2 or 3.2.3, the Contractor shall pay such costs and damages to the Owner, subject to Section 15.1.7, as would have been avoided if the Contractor had performed such obligations. If the Contractor performs those obligations, the Contractor shall not be liable to the Owner or Architect for damages resulting from errors, inconsistencies or omissions in the Contract Documents, for differences between field measurements or conditions and the Contract Documents, or for nonconformities of the Contract Documents to applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities unless the Contractor recognized or should have recognized such error, inconsistency, omission or difference and knowingly failed to report it to the Architect or Owner.

### § 3.3 Supervision and Construction Procedures

**§ 3.3.1** The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for, and have control over, jobsite safety, construction means, methods, techniques, sequences, and procedures, and for coordinating all portions of the Work under the Contract. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences, or procedures, the Contractor shall evaluate the jobsite safety thereof and shall be solely responsible for the jobsite safety of such means, methods, techniques, sequences, or procedures. If the Contractor determines that such means, methods, techniques, sequences or procedures may not be safe, the Contractor shall give timely notice to the Owner and Architect, and shall propose alternative means, methods, techniques, sequences, or procedures. The Architect shall evaluate the proposed alternative solely for conformance with the design intent for the completed construction. Unless the Architect objects to the Contractor's proposed alternative, the Contractor shall perform the Work using its alternative means, methods, techniques, sequences, or procedures.

**§ 3.3.2** The Contractor shall be responsible to the Owner for acts and omissions of the Contractor's employees, Subcontractors and their agents and employees, and other persons or entities performing portions of the Work for, or on behalf of, the Contractor or any of its Subcontractors.

**§ 3.3.3** The Contractor shall be responsible for inspection of portions of Work already performed to determine that such portions are in proper condition to receive subsequent Work.

### § 3.4 Labor and Materials

**§ 3.4.1** Unless otherwise provided in the Contract Documents, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other


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facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

**§ 3.4.2** Except in the case of minor changes in the Work approved by the Architect in accordance with Section 3.12.8 or ordered by the Architect in accordance with Section 7.4, the Contractor may make substitutions only with the consent of the Owner, after evaluation by the Architect and in accordance with a Change Order or Construction Change Directive. By making requests for substitutions, the Contractor: (i) represents that the Contractor has personally investigated the proposed substitute product or system and determined that it is equal or superior in all respects to that specified; (ii) represents that the Contractor will provide the same warranty for the substitution that the Contractor would for that specified; (iii) certifies that the cost data presented is complete and includes all related costs under this Contract except the Architect's redesign costs, and waives all claims for additional costs related to the substitution which subsequently become apparent; and (iv) will coordinate the installation of the accepted substitute, making such changes as may be required for the Work to be complete in all respects.

**§ 3.4.3** The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Work. The Contractor shall not permit employment of unfit persons or persons not properly skilled in tasks assigned to them.

**§ 3.4.4** As required by Ind. Code § 5-16-8-2, the Contractor shall use only steel and foundry products made in the United States in the performance of the Work unless the Owner has determined, in writing, that the cost of steel or foundry products is considered to be unreasonable. For purposes hereof, the price of steel or foundry products of domestic origin will not be considered unreasonable if the price does not exceed the sum of the offered price of like steel or foundry products of foreign origin (including any applicable duty) plus a differential of 15% of the offered price of the steel or foundry products of foreign origin.

**§ 3.4.5** In the event that any contractor, supplier, or other entity for which the Contractor is responsible asserts a verified statement, bond claim, or other payment claim against the Owner and/or the Project, the Contractor shall promptly resolve such claim and shall defend, indemnify and hold harmless the Owner and the Project from all losses, damages or costs incurred in connection therewith, except to the extent the claim arises as a result of the Owner's failure to timely make payments to the Contractor under the terms of the Contract. Should the Contractor fail to promptly resolve any such claim, the Contractor shall also be responsible for reasonable attorneys' fees and expenses incurred by the Owner, to the extent necessary to protect the Owner's interests with respect to such claim.

### § 3.5 Warranty

**§ 3.5.1** The Contractor warrants to the Owner and Architect that materials and equipment furnished under the Contract will be of good quality and new unless the Contract Documents require or permit otherwise. The Contractor further warrants that the Work will conform to the requirements of the Contract Documents and will be free from defects, except for those inherent in the quality of the Work the Contract Documents require or permit. Work, materials, or equipment not conforming to these requirements may be considered defective. The Contractor's warranty excludes remedy for damage or defect caused by abuse, alterations to the Work not executed by the Contractor, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage. If required by the Architect, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment. The warranty provided in this paragraph shall be in addition to and not in limitation of any other warranty required by the Contract Documents or otherwise prescribed by law.

**§ 3.5.2** All material, equipment, or other special warranties required by the Contract Documents shall be issued in the name of the Owner, or shall be transferable to the Owner, and shall commence in accordance with Section 9.8.4.

### § 3.6 Taxes

**§ 3.6.1** The Contractor shall pay sales, consumer, use and similar taxes for the Work provided by the Contractor that are legally enacted when bids are received or negotiations concluded, whether or not yet effective or merely scheduled to go into effect.

**§ 3.6.2** Materials and equipment purchased as part of the Work that become a permanent part of the structure or facility being constructed are not subject to state gross retail or use tax, and the Contract Sum and the amount of any Change Orders shall not include such tax. The amount of any tax paid by the Contractor, other than the foregoing, shall be separately itemized on the Contractor's applications for payment and the Owner will have the right to contest


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such amounts. An exemption certificate will be furnished by the Owner upon request and must be filed with vendors by the Contractor for exemption from payment of the tax on exempt materials and equipment purchased.

### § 3.7 Permits, Fees, Notices and Compliance with Laws

**§ 3.7.1** Unless otherwise provided in the Contract Documents, the Contractor shall secure and pay for the building permit as well as for other permits, fees, licenses, and inspections by government agencies necessary for proper execution and completion of the Work that are customarily secured after execution of the Contract and legally required at the time bids are received or negotiations concluded.

**§ 3.7.2** The Contractor shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities applicable to performance of the Work.

**§ 3.7.3** If the Contractor performs Work knowing it to be contrary to applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, the Contractor shall assume appropriate responsibility for such Work and shall bear the costs attributable to correction.

### § 3.7.4 Concealed or Unknown Conditions

If the Contractor encounters conditions at the site that are (1) subsurface or otherwise concealed physical conditions that differ materially from those indicated in the Contract Documents or (2) unknown physical conditions of an unusual nature that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, the Contractor shall promptly provide notice to the Owner and the Architect before conditions are disturbed and in no event later than 14 days after first observance of the conditions, and (ii) keep an accurate and detailed record which will indicate the actual cost of the work done under the alleged differing site condition and failure to keep such a record shall be a bar to any recovery by reason of such alleged differing site condition. The Architect will promptly investigate such conditions and, if the Architect determines that they differ materially and cause an increase or decrease in the Contractor's cost of, or time required for, performance of any part of the Work, will recommend that an equitable adjustment be made in the Contract Sum or Contract Time, or both. If the Architect determines that the conditions at the site are not materially different from those indicated in the Contract Documents and that no change in the terms of the Contract is justified, the Architect shall promptly notify the Owner and Contractor, stating the reasons. If either party disputes the Architect's determination or recommendation, that party may submit a Claim as provided in Article 15.

**§ 3.7.5** If, in the course of the Work, the Contractor encounters human remains or recognizes the existence of burial markers, archaeological sites or wetlands not indicated in the Contract Documents, the Contractor shall immediately suspend any operations that would affect them and shall notify the Owner and Architect. Upon receipt of such notice, the Owner shall promptly take such action the Owner considers reasonably necessary to obtain governmental authorization required to resume the operations. The Contractor shall continue to suspend such operations until otherwise instructed by the Owner but shall continue with all other operations that do not affect those remains or features. Requests for adjustments in the Contract Sum and Contract Time arising from the existence of such remains or features may be made as provided in Article 15.

### § 3.8 Allowances

**§ 3.8.1** The Contractor shall include in the Contract Sum all allowances stated in the Contract Documents. The Contractor shall identify each allowance item as a separate line item on the schedule of values. Items covered by allowances shall be supplied for such amounts and by such persons or entities as the Owner may direct, but the Contractor shall not be required to employ persons or entities to whom the Contractor has reasonable objection.

**§ 3.8.2** Unless otherwise provided in the Contract Documents,

- **.1** allowances shall cover the cost to the Contractor of materials and equipment delivered at the site and all required taxes, less applicable trade discounts;
- **.2** Contractor's costs for unloading and handling at the site, labor, installation costs, overhead, profit, and other expenses contemplated for stated allowance amounts shall be included in the Contract Sum but not in the allowances; and
- **.3** whenever costs are anticipated by the Contractor to be more than or less than allowances, no adjustment to the Contract Sum shall be made without the Owner's prior written authorization by Change Order. The amount of the Change Order shall reflect (1) the difference between actual costs and the allowances under Section 3.8.2.1 and (2) changes in Contractor's costs under Section 3.8.2.2.


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**§ 3.8.3** Materials and equipment under an allowance shall be selected by the Owner with reasonable promptness.

### § 3.9 Superintendent

**§ 3.9.1** The Contractor shall employ a competent superintendent and necessary assistants who shall be in attendance at the Project site during performance of the Work. The superintendent shall represent the Contractor, and communications given to the superintendent shall be as binding as if given to the Contractor.

**§ 3.9.2** The Contractor, as soon as practicable after award of the Contract, shall notify the Owner and Architect of the name and qualifications of a proposed superintendent. Within 14 days of receipt of the information, the Architect may notify the Contractor, stating whether the Owner or the Architect (1) has reasonable objection to the proposed superintendent or (2) requires additional time for review. Failure of the Architect to provide notice within the 14-day period shall constitute notice of no reasonable objection.

**§ 3.9.3** The Contractor shall not employ a proposed superintendent to whom the Owner or Architect has made reasonable and timely objection. The Contractor shall not change the superintendent without the Owner's consent, which shall not unreasonably be withheld or delayed.

### § 3.10 Contractor's Construction and Submittal Schedules

**§ 3.10.1** The Contractor, promptly after being awarded the Contract, shall submit for the Owner's and Architect's information a Contractor's construction schedule for the Work. The schedule shall contain detail appropriate for the Project, including (1) the date of commencement of the Work, interim schedule milestone dates, and the date of Substantial Completion; (2) an apportionment of the Work by construction activity; and (3) the time required for completion of each portion of the Work. The schedule shall provide for the orderly progression of the Work to completion and shall not exceed time limits current under the Contract Documents. The schedule shall be revised at appropriate intervals as required by the conditions of the Work and Project.

**§ 3.10.2** The Contractor, promptly after being awarded the Contract and thereafter as necessary to maintain a current submittal schedule, shall submit a submittal schedule for the Architect's approval. The Architect's approval shall not be unreasonably delayed or withheld. The submittal schedule shall (1) be coordinated with the Contractor's construction schedule, and (2) allow the Architect reasonable time to review submittals. If the Contractor fails to submit a submittal schedule, or fails to provide submittals in accordance with the approved submittal schedule, the Contractor shall not be entitled to any increase in Contract Sum or extension of Contract Time based on the time required for review of submittals.

**§ 3.10.3** The Contractor shall perform the Work in general accordance with the most recent schedules submitted to the Owner and Architect. In no event shall the Architect's or Owner's approval of the Contractor's construction schedule be deemed to modify the Contract Time without a fully executed Change Order.

### § 3.11 Documents and Samples at the Site

The Contractor shall make available, at the Project site, the Contract Documents, including Change Orders, Construction Change Directives, and other Modifications, in good order and marked currently to indicate field changes and selections made during construction, and the approved Shop Drawings, Product Data, Samples, and similar required submittals. These shall be in electronic form or paper copy, available to the Architect and Owner, and delivered to the Architect for submittal to the Owner upon completion of the Work as a record of the Work as constructed.

### § 3.12 Shop Drawings, Product Data and Samples

**§ 3.12.1** Shop Drawings are drawings, diagrams, schedules, and other data specially prepared for the Work by the Contractor or a Subcontractor, Sub-subcontractor, manufacturer, supplier, or distributor to illustrate some portion of the Work.

**§ 3.12.2** Product Data are illustrations, standard schedules, performance charts, instructions, brochures, diagrams, and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.

**§ 3.12.3** Samples are physical examples that illustrate materials, equipment, or workmanship, and establish standards by which the Work will be judged.


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**§ 3.12.4** Shop Drawings, Product Data, Samples, and similar submittals are not Contract Documents. Their purpose is to demonstrate how the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents for those portions of the Work for which the Contract Documents require submittals. Review by the Architect is subject to the limitations of Section 4.2.7. Informational submittals upon which the Architect is not expected to take responsive action may be so identified in the Contract Documents. Submittals that are not required by the Contract Documents may be returned by the Architect without action.

**§ 3.12.5** The Contractor shall review for compliance with the Contract Documents, approve, and submit to the Architect, Shop Drawings, Product Data, Samples, and similar submittals required by the Contract Documents, in accordance with the submittal schedule approved by the Architect or, in the absence of an approved submittal schedule, with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the Owner or of Separate Contractors.

**§ 3.12.6** By submitting Shop Drawings, Product Data, Samples, and similar submittals, the Contractor represents to the Owner and Architect that the Contractor has (1) reviewed and approved them, (2) determined and verified materials, field measurements and field construction criteria related thereto, or will do so, and (3) checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents. This provision shall control over any contrary language stamped or written on submittals during the Project.

**§ 3.12.7** The Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples, or similar submittals, until the respective submittal has been approved by the Architect.

**§ 3.12.8** The Work shall be in accordance with approved submittals except that the Contractor shall not be relieved of responsibility for deviations from the requirements of the Contract Documents by the Architect's approval of Shop Drawings, Product Data, Samples, or similar submittals, unless the Contractor has specifically notified the Architect of such deviation at the time of submittal and (1) the Architect has given written approval to the specific deviation as a minor change in the Work, or (2) a Change Order or Construction Change Directive has been issued authorizing the deviation. The Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples, or similar submittals, by the Architect's approval thereof.

**§ 3.12.9** The Contractor shall direct specific attention, in writing or on resubmitted Shop Drawings, Product Data, Samples, or similar submittals, to revisions other than those requested by the Architect on previous submittals. In the absence of such notice, the Architect's approval of a resubmission shall not apply to such revisions.

**§ 3.12.10** The Contractor shall not be required to provide professional services that constitute the practice of architecture or engineering unless such services are specifically required by the Contract Documents or by applicable law for a portion of the Work or unless the Contractor needs to provide such services in order to carry out the Contractor's responsibilities for construction means, methods, techniques, sequences, and procedures. The Contractor shall not be required to provide professional services in violation of applicable law.

**§ 3.12.10.1** If professional design services or certifications by a design professional related to systems, materials, or equipment are specifically required of the Contractor by the Contract Documents or by applicable law, the Owner and the Architect will specify all performance and design criteria that such services must satisfy. The Contractor shall be entitled to rely upon the adequacy and accuracy of the performance and design criteria provided in the Contract Documents. The Contractor shall cause such services or certifications to be provided by an appropriately licensed design professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, Shop Drawings, and other submittals prepared by such professional. Shop Drawings, and other submittals related to the Work, designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to the Architect. The Owner and the Architect shall be entitled to rely upon the adequacy and accuracy of the services, certifications, and approvals performed or provided by such design professionals, provided the Owner and Architect have specified to the Contractor the performance and design criteria that such services must satisfy. Pursuant to this Section 3.12.10, the Architect will review and approve or take other appropriate action on submittals only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.


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**§ 3.12.10.2** If the Contract Documents require the Contractor's design professional to certify that the Work has been performed in accordance with the design criteria, the Contractor shall furnish such certifications to the Architect at the time and in the form specified by the Architect.

**§ 3.12.10.3** The Owner is hereby granted a nonexclusive, irrevocable, royalty-free license to use the drawings, specifications, Shop Drawings and other submittals prepared by or on behalf of the Contractor pursuant to Section 3.12.10 for purposes of constructing, using, maintaining, altering and adding to the Project. The Contractor shall incorporate the requirements of this Section 3.12.10 into its contracts with its design professional and Subcontractors where applicable.

### § 3.13 Use of Site

**§ 3.13.1** The Contractor shall confine operations at the site to areas permitted by applicable laws, statutes, ordinances, codes, rules and regulations, lawful orders of public authorities, and the Contract Documents and shall not unreasonably encumber the site with materials or equipment. The Contractor shall ensure that the Work, at all times, is performed in a manner that affords reasonable access, both vehicular and pedestrian, to the site of the Work and all adjacent areas. The Work shall be performed, to the fullest extent reasonably possible, in such a manner that public areas adjacent to the site of the Work shall be free from all debris, building materials and equipment likely to cause hazardous conditions. Without limitation of any other provision of the Contract Documents, Contractor shall use its best efforts to minimize any interference with the occupancy or beneficial use of (1) any areas and building adjacent to the site of the Work or (2) the building in the event of partial occupancy, as more specifically described in Section 9.9.

**§ 3.13.2** Only materials and equipment that are to be used in the Work shall be brought to and stored on the Project site by the Contractor. Equipment no longer required for the Work shall be promptly removed from the Project site. The Contractor shall be solely responsible for protecting construction materials and equipment stored at the Project site from weather, theft, damage and all other adversity.

### § 3.14 Cutting and Patching

**§ 3.14.1** The Contractor shall be responsible for cutting, fitting, or patching required to complete the Work or to make its parts fit together properly. All areas requiring cutting, fitting, or patching shall be restored to the condition existing prior to the cutting, fitting, or patching, unless otherwise required by the Contract Documents.

**§ 3.14.2** The Contractor shall not damage or endanger a portion of the Work or fully or partially completed construction of the Owner or Separate Contractors by cutting, patching, or otherwise altering such construction, or by excavation. The Contractor shall not cut or otherwise alter construction by the Owner or a Separate Contractor except with written consent of the Owner and of the Separate Contractor. Consent shall not be unreasonably withheld. The Contractor shall not unreasonably withhold, from the Owner or a Separate Contractor, its consent to cutting or otherwise altering the Work.

### § 3.15 Cleaning Up

**§ 3.15.1** The Contractor shall keep the premises and surrounding area free from accumulation of waste materials and rubbish caused by operations under the Contract. At completion of the Work, the Contractor shall remove waste materials, rubbish, the Contractor's tools, construction equipment, machinery, and surplus materials from and about the Project.

**§ 3.15.2** If the Contractor fails to clean up as provided in the Contract Documents, the Owner may do so and the Owner shall be entitled to reimbursement from the Contractor.

### § 3.16 Access to Work

The Contractor shall provide the Owner and Architect with access to the Work in preparation and progress wherever located.

### § 3.17 Royalties, Patents and Copyrights

The Contractor shall pay all royalties and license fees. The Contractor shall defend suits or claims for infringement of copyrights and patent rights and shall hold the Owner and Architect harmless from loss on account thereof, but shall


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not be responsible for defense or loss when a particular design, process, or product of a particular manufacturer or manufacturers is required by the Contract Documents, or where the copyright violations are contained in Drawings, Specifications, or other documents prepared by the Owner or Architect. However, if an infringement of a copyright or patent is discovered by, or made known to, the Contractor, the Contractor shall be responsible for the loss unless the information is promptly furnished to the Architect.

### § 3.18 Indemnification

**§ 3.18.1** To the fullest extent permitted by law, the Contractor shall indemnify, defend, and hold harmless the Owner, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused by the negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity that would otherwise exist as to a party or person described in this Section 3.18.

**§ 3.18.2** In claims against any person or entity indemnified under this Section 3.18 by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, the indemnification obligation under Section 3.18.1 shall not be limited by a limitation on amount or type of damages, compensation, or benefits payable by or for the Contractor or a Subcontractor under workers' compensation acts, disability benefit acts, or other employee benefit acts.

**§ 3.18.3** The duties and obligations of Section 3.18 shall survive completion or termination of the Contract.

## ARTICLE 4 ARCHITECT

### § 4.1 General

**§ 4.1.1** The Architect is the person or entity retained by the Owner pursuant to Section 2.3.2 and identified as such in the Agreement.

**§ 4.1.2** Duties, responsibilities, and limitations of authority of the Architect as set forth in the Contract Documents shall not be restricted, modified, or extended without written consent of the Owner and Architect. Consent shall not be unreasonably withheld.

### § 4.2 Administration of the Contract

**§ 4.2.1** The Architect will provide administration of the Contract as described in the Contract Documents and will be an Owner's representative during construction until the date the Architect issues the final Certificate for Payment. The Architect will have authority to act on behalf of the Owner only to the extent provided in the Contract Documents.

**§ 4.2.2** The Architect will visit the site at intervals appropriate to the stage of construction, or as otherwise agreed with the Owner, to become generally familiar with the progress and quality of the portion of the Work completed, and to determine in general if the Work observed is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. However, the Architect will not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. The Architect will not have control over, charge of, or responsibility for the construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the Work, since these are solely the Contractor's rights and responsibilities under the Contract Documents.

**§ 4.2.3** On the basis of the site visits, the Architect will keep the Owner reasonably informed about the progress and quality of the portion of the Work completed, and promptly report to the Owner (1) known deviations from the Contract Documents, (2) known deviations from the most recent construction schedule submitted by the Contractor, and (3) defects and deficiencies observed in the Work. The Architect will not be responsible for the Contractor's failure to perform the Work in accordance with the requirements of the Contract Documents. The Architect will not have control over or charge of, and will not be responsible for acts or omissions of, the Contractor, Subcontractors, or their agents or employees, or any other persons or entities performing portions of the Work.


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**§ 4.2.4 Communications**

The Owner and Contractor shall include the Architect in all communications that relate to or affect the Architect's services or professional responsibilities. Communications by and with the Architect's consultants shall be through the Architect. Communications by and with Subcontractors and suppliers shall be through the Contractor. Communications by and with Separate Contractors shall be through the Owner. The Contract Documents may specify other communication protocols.

**§ 4.2.5** Based on the Architect's evaluations of the Contractor's Applications for Payment, the Architect will review and certify the amounts due the Contractor and will issue Certificates for Payment in such amounts.

**§ 4.2.6** The Architect has authority to reject Work that does not conform to the Contract Documents. Whenever the Architect considers it necessary or advisable, the Architect will have authority to require inspection or testing of the Work in accordance with Sections 13.4.2 and 13.4.3, whether or not the Work is fabricated, installed or completed.

**§ 4.2.7** The Architect will review and approve, or take other appropriate action upon, the Contractor's submittals such as Shop Drawings, Product Data, and Samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. The Architect's action will be taken in accordance with the submittal schedule approved by the Architect or, in the absence of an approved submittal schedule, with reasonable promptness while allowing sufficient time in the Architect's professional judgment to permit adequate review. Review of such submittals is not conducted for the purpose of determining the accuracy and completeness of other details such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, all of which remain the responsibility of the Contractor as required by the Contract Documents. The Architect's review of the Contractor's submittals shall not relieve the Contractor of the obligations under Sections 3.3, 3.5, and 3.12. The Architect's review shall not constitute approval of safety precautions or of any construction means, methods, techniques, sequences, or procedures. The Architect's approval of a specific item shall not indicate approval of an assembly of which the item is a component.

**§ 4.2.8** The Architect will prepare Change Orders and Construction Change Directives, and may order minor changes in the Work as provided in Section 7.4. The Architect will investigate and make determinations and recommendations regarding concealed and unknown conditions as provided in Section 3.7.4.

**§ 4.2.9** The Architect will conduct inspections to determine the date or dates of Substantial Completion and the date of final completion; issue Certificates of Substantial Completion pursuant to Section 9.8; receive and forward to the Owner, for the Owner's review and records, written warranties and related documents required by the Contract and assembled by the Contractor pursuant to Section 9.10; and issue a final Certificate for Payment pursuant to Section 9.10.

**§ 4.2.10** If the Owner and Architect agree, the Architect will provide one or more Project representatives to assist in carrying out the Architect's responsibilities at the site. The Owner shall notify the Contractor of any change in the duties, responsibilities and limitations of authority of the Project representatives.

**§ 4.2.11** The Architect will interpret and decide matters concerning performance under, and requirements of, the Contract Documents on written request of either the Owner or Contractor. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness.

**§ 4.2.12** Interpretations and decisions of the Architect will be consistent with the intent of, and reasonably inferable from, the Contract Documents and will be in writing or in the form of drawings. When making such interpretations and decisions, the Architect will endeavor to secure faithful performance by both Owner and Contractor, will not show partiality to either.

**§ 4.2.13** The Architect's decisions on matters relating to aesthetic effect will be final if consistent with the intent expressed in the Contract Documents.

**§ 4.2.14** The Architect will review and respond to requests for information about the Contract Documents. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness. If appropriate, the Architect will prepare and issue supplemental Drawings and Specifications in response to the requests for information.


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## ARTICLE 5 SUBCONTRACTORS

### § 5.1 Definitions

**§ 5.1.1** A Subcontractor is a person or entity who has a direct contract with the Contractor to perform a portion of the Work at the site. The term "Subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Subcontractor or an authorized representative of the Subcontractor. The term "Subcontractor" does not include a Separate Contractor or the subcontractors of a Separate Contractor.

**§ 5.1.2** A Sub-subcontractor is a person or entity who has a direct or indirect contract with a Subcontractor to perform a portion of the Work at the site. The term "Sub-subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Sub-subcontractor or an authorized representative of the Sub-subcontractor.

### § 5.2 Award of Subcontracts and Other Contracts for Portions of the Work

**§ 5.2.1** The Contractor shall not substitute a Subcontractor, person, or entity for one previously selected if the Owner or Architect makes reasonable objection to such substitution.

*(Paragraphs deleted)*

### § 5.3 Subcontractual Relations

By appropriate written agreement, the Contractor shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to the Contractor by terms of the Contract Documents, and to assume toward the Contractor all the obligations and responsibilities, including the responsibility for safety of the Subcontractor's Work that the Contractor, by these Contract Documents, assumes toward the Owner and Architect. Each subcontract agreement shall preserve and protect the rights of the Owner and Architect under the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights, and shall allow to the Subcontractor, unless specifically provided otherwise in the subcontract agreement, the benefit of all rights, remedies, and redress against the Contractor that the Contractor, by the Contract Documents, has against the Owner. Where appropriate, the Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. The Contractor shall make available to each proposed Subcontractor, prior to the execution of the subcontract agreement, copies of the Contract Documents to which the Subcontractor will be bound, and, upon written request of the Subcontractor, identify to the Subcontractor terms and conditions of the proposed subcontract agreement that may be at variance with the Contract Documents. Subcontractors will similarly make copies of applicable portions of such documents available to their respective proposed Sub-subcontractors.

### § 5.4 Contingent Assignment of Subcontracts

**§ 5.4.1** Each subcontract agreement for a portion of the Work is assigned by the Contractor to the Owner, provided that

**.1** assignment is effective only after termination of the Contract by the Owner for cause pursuant to Section 14.2 or a termination of the Contract by the Owner for convenience pursuant to Section 14.4 and only for those subcontract agreements that the Owner accepts by notifying the Subcontractor and Contractor; and

**.2** assignment is subject to the prior rights of the surety, if any, obligated under bond relating to the Contract.

When the Owner accepts the assignment of a subcontract agreement, the Owner assumes the Contractor's rights and obligations under the subcontract.

**§ 5.4.2** Upon such assignment, if the Work has been suspended for more than 30 days, the Subcontractor's compensation shall be equitably adjusted for increases in cost resulting from the suspension.

**§ 5.4.3** Upon assignment to the Owner under this Section 5.4, the Owner may further assign the subcontract to a successor contractor or other entity.

**§ 5.4.4** Unless and until an assignment of the Subcontract to the Owner is effective as provided in this Section, nothing contained herein shall create any obligation on the part of the Owner to make any payments to any Subcontractor, and no payment by the Owner to any Subcontractor shall create any obligation to make any further payments to any Subcontractor.


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## ARTICLE 6 CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS

### § 6.1 Owner's Right to Perform Construction and to Award Separate Contracts

**§ 6.1.1** The term "Separate Contractor(s)" shall mean other contractors retained by the Owner under separate agreements. The Owner reserves the right to perform construction or operations related to the Project with the Owner's own forces, and with Separate Contractors.

**§ 6.1.2** When separate contracts are awarded for different portions of the Project or other construction or operations on the site, the term "Contractor" in the Contract Documents in each case shall mean the Contractor who executes each separate Owner-Contractor Agreement.

**§ 6.1.3** The Owner shall provide for coordination of the activities of the Owner's own forces and of each Separate Contractor with the Work of the Contractor, who shall cooperate with them. The Contractor shall participate with any Separate Contractors and the Owner in reviewing their construction schedules. The Contractor shall make any revisions to its construction schedule deemed necessary after a joint review and mutual agreement. The construction schedules shall then constitute the schedules to be used by the Contractor, Separate Contractors, and the Owner until subsequently revised.

*(Paragraph deleted)*

### § 6.2 Mutual Responsibility

**§ 6.2.1** The Contractor shall afford the Owner and Separate Contractors reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities, and shall connect and coordinate the Contractor's construction and operations with theirs as required by the Contract Documents.

**§ 6.2.2** If part of the Contractor's Work depends for proper execution or results upon construction or operations by the Owner or a Separate Contractor, the Contractor shall, prior to proceeding with that portion of the Work, promptly notify the Architect of apparent discrepancies or defects in the construction or operations by the Owner or Separate Contractor that would render it unsuitable for proper execution and results of the Contractor's Work. Failure of the Contractor to notify the Architect of apparent discrepancies or defects prior to proceeding with the Work shall constitute an acknowledgment that the Owner's or Separate Contractor's completed or partially completed construction is fit and proper to receive the Contractor's Work. The Contractor shall not be responsible for discrepancies or defects in the construction or operations by the Owner or Separate Contractor that are not apparent.

**§ 6.2.3** The Contractor shall reimburse the Owner for costs the Owner incurs that are payable to a Separate Contractor because of the Contractor's delays, improperly timed activities or defective construction. The Owner shall be responsible to the Contractor for costs the Contractor incurs because of a Separate Contractor's delays, improperly timed activities, damage to the Work or defective construction.

**§ 6.2.4** The Contractor shall promptly remedy damage that the Contractor wrongfully causes to completed or partially completed construction or to property of the Owner or Separate Contractor as provided in Section 10.2.5.

**§ 6.2.5** The Owner and each Separate Contractor shall have the same responsibilities for cutting and patching as are described for the Contractor in Section 3.14.

### § 6.3 Owner's Right to Clean Up

If a dispute arises among the Contractor, Separate Contractors, and the Owner as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish, the Owner may clean up and will allocate the cost among those responsible.

## ARTICLE 7 CHANGES IN THE WORK

### § 7.1 General

**§ 7.1.1** Changes in the Work may be accomplished after execution of the Contract, and without invalidating the Contract, by Change Order, Construction Change Directive or order for a minor change in the Work, subject to the limitations stated in this Article 7 and elsewhere in the Contract Documents.

**§ 7.1.2** A Change Order shall be based upon agreement among the Owner and Contractor. A Construction Change Directive may be issued by the Owner or Architect and may or may not be agreed to by the Contractor. An order for a minor change in the Work may be issued by the Owner or Architect.


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**§ 7.1.3** Changes in the Work shall be performed under applicable provisions of the Contract Documents. The Contractor shall proceed promptly with changes in the Work, unless otherwise provided in the Change Order, Construction Change Directive, or order for a minor change in the Work.

### § 7.2 Change Orders

**§ 7.2.1** A Change Order is a written instrument prepared by the Architect and signed by the Owner, Contractor, and Architect stating their agreement upon all of the following:

**.1** The change in the Work;
**.2** The amount of the adjustment, if any, in the Contract Sum; and
**.3** The extent of the adjustment, if any, in the Contract Time.

**§ 7.2.2** A fully executed Change Order, or a Construction Change Directive signed by the Contractor, shall constitute a final settlement of all known matters relating to or arising out of the change in the Work that is subject of the Change Order or Construction Change Directive, including but in no way limited to, all direct and indirect costs associated with such change and any and all adjustments to the Contract Sum and Contract Time.

**§ 7.2.3** No course of conduct or dealing between the parties and no expressed or implied acceptance of alterations or additions to the Work shall be the basis of any claim for an increase in the Contract Sum or for a change in the Contract Time in the absence of a Change Order or Construction Change Directive.

### § 7.3 Construction Change Directives

**§ 7.3.1** A Construction Change Directive is a written order prepared by the Architect and signed by the Owner and Architect, directing a change in the Work prior to agreement on adjustment, if any, in the Contract Sum or Contract Time, or both. The Owner may by Construction Change Directive, without invalidating the Contract, order changes in the Work within the general scope of the Contract consisting of additions, deletions, or other revisions, the Contract Sum and Contract Time being adjusted accordingly.

**§ 7.3.2** A Construction Change Directive shall be used in the absence of total agreement on the terms of a Change Order.

**§ 7.3.3** If the Construction Change Directive provides for an adjustment to the Contract Sum, the adjustment shall be based on one of the following methods:

**.1** Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;
**.2** Unit prices stated in the Contract Documents or subsequently agreed upon;
**.3** Cost to be determined in a manner agreed upon by the parties and a mutually acceptable fixed or percentage fee; or
**.4** As provided in Section 7.3.4.

**§ 7.3.4** If the Contractor does not respond promptly or disagrees with the method for adjustment in the Contract Sum, the Architect shall determine the adjustment on the basis of reasonable expenditures and savings of those performing the Work attributable to the change, including, in case of an increase in the Contract Sum, an amount for overhead and profit as set forth in the Agreement, or if no such amount is set forth in the Agreement, a reasonable amount. In such case, and also under Section 7.3.3.3, the Contractor shall keep and present, in such form as the Architect may prescribe, an itemized accounting together with appropriate supporting data. Unless otherwise provided in the Contract Documents, costs for the purposes of this Section 7.3.4 shall be limited to the following:

**.1** Costs of labor, including applicable payroll taxes, fringe benefits required by agreement or custom, workers' compensation insurance, and other employee costs approved by the Architect;
**.2** Costs of materials, supplies, and equipment, including cost of transportation, whether incorporated or consumed;
**.3** Rental costs of machinery and equipment, exclusive of hand tools, whether rented from the Contractor or others;
**.4** Costs of premiums for all bonds and insurance, permit fees, and sales, use, or similar taxes, directly related to the change; and
**.5** Costs of supervision and field office personnel directly attributable to the change.


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**§ 7.3.5** If the Contractor disagrees with the adjustment in the Contract Time, the Contractor may make a Claim in accordance with applicable provisions of Article 15.

**§ 7.3.6** Upon receipt of a Construction Change Directive, the Contractor shall promptly proceed with the change in the Work involved and advise the Architect of the Contractor's agreement or disagreement with the method, if any, provided in the Construction Change Directive for determining the proposed adjustment in the Contract Sum or Contract Time.

**§ 7.3.7** A Construction Change Directive signed by the Contractor indicates the Contractor's agreement therewith, including adjustment in Contract Sum and Contract Time or the method for determining them. Such agreement shall be effective immediately and shall be recorded as a Change Order.

**§ 7.3.8** The amount of credit to be allowed by the Contractor to the Owner for a deletion or change that results in a net decrease in the Contract Sum shall be actual net cost as confirmed by the Architect. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for overhead and profit shall be figured on the basis of net increase, if any, with respect to that change.

**§ 7.3.9** Pending final determination of the total cost of a Construction Change Directive to the Owner, the Contractor may request payment for Work completed under the Construction Change Directive in Applications for Payment. The Architect will make an interim determination for purposes of monthly certification for payment for those costs and certify for payment the amount that the Architect determines, in the Architect's professional judgment, to be reasonably justified. The Architect's interim determination of cost shall adjust the Contract Sum on the same basis as a Change Order, subject to the right of either party to disagree and assert a Claim in accordance with Article 15.

**§ 7.3.10** When the Owner and Contractor agree with a determination made by the Architect concerning the adjustments in the Contract Sum and Contract Time, or otherwise reach agreement upon the adjustments, such agreement shall be effective immediately and the Architect will prepare a Change Order. Change Orders may be issued for all or any part of a Construction Change Directive.

### § 7.4 Minor Changes in the Work

The Architect may order minor changes in the Work that are consistent with the intent of the Contract Documents and do not involve an adjustment in the Contract Sum or an extension of the Contract Time. The Architect's order for minor changes shall be in writing. If the Contractor believes that the proposed minor change in the Work will affect the Contract Sum or Contract Time, the Contractor shall notify the Architect and shall not proceed to implement the change in the Work. If the Contractor performs the Work set forth in the Architect's order for a minor change without prior notice to the Architect that such change will affect the Contract Sum or Contract Time, the Contractor waives any adjustment to the Contract Sum or extension of the Contract Time.

## ARTICLE 8 TIME

### § 8.1 Definitions

**§ 8.1.1** Unless otherwise provided, Contract Time is the period of time, including authorized adjustments, allotted in the Contract Documents for Substantial Completion of the Work.

**§ 8.1.2** The date of commencement of the Work is the date established in the Agreement.

**§ 8.1.3** The date of Substantial Completion is the date certified by the Architect in accordance with Section 9.8.

**§ 8.1.4** The term "day" as used in the Contract Documents shall mean calendar day unless otherwise specifically defined.

### § 8.2 Progress and Completion

**§ 8.2.1** Time limits stated in the Contract Documents are of the essence of the Contract. By executing the Agreement, the Contractor confirms that the Contract Time is a reasonable period for performing the Work.

**§ 8.2.2** The Contractor shall not knowingly, except by agreement or instruction of the Owner in writing, commence the Work prior to the effective date of insurance required to be furnished by the Contractor and Owner.


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**§ 8.2.3** The Contractor shall proceed expeditiously with adequate forces and shall achieve Substantial Completion within the Contract Time.

**§ 8.2.4** If the Owner determines that the Work has failed to progress or reach the level of completion required by the Contract Documents, and such failure is the fault of the Contractor or a Subcontractor, the Owner may, but is not obligated to, order the Contractor to take necessary corrective measures to expedite the progress of the Work, including, without limitation, (1) additional shifts or overtime; (2) additional manpower, equipment and facilities; and (3) similar measures (referred to collectively as "extraordinary measures"). If so ordered by the Owner, such extraordinary measures shall continue until the Work achieves the level of completion required by the Contract Documents. The Owner's right to require extraordinary measures is solely for the purposes of ensuring the Contractor's compliance with the construction schedule and shall not entitle the Contractor to an increase in the Contract Sum.

### § 8.3 Delays and Extensions of Time

**§ 8.3.1** If the Contractor is delayed at any time in the commencement or progress of the Work by (1) an act or neglect of the Owner or Architect, of an employee of either, or of a Separate Contractor; (2) by changes ordered in the Work; (3) by labor disputes, fire, unusual delay in deliveries, unavoidable casualties, adverse weather conditions documented in accordance with Section 15.1.6.2, or other causes beyond the Contractor's control and which are not due to any fault, neglect, act or omission on the part of the Contractor or its Subcontractors or suppliers; (4) by delay authorized by the Owner pending mediation and binding dispute resolution; or (5) by other causes that the Contractor asserts, and the Architect determines, justify delay, then the Contract Time shall be extended for such reasonable time as the Architect may determine.

**§ 8.3.2** Claims relating to time shall be made in accordance with applicable provisions of Article 15.

**§ 8.3.3** This Section 8.3 does not preclude recovery of damages for delay by either party under other provisions of the Contract Documents.

## ARTICLE 9 PAYMENTS AND COMPLETION

### § 9.1 Contract Sum

**§ 9.1.1** The Contract Sum is stated in the Agreement and, including authorized adjustments, is the total amount payable by the Owner to the Contractor for performance of the Work under the Contract Documents.

**§ 9.1.2** If unit prices are stated in the Contract Documents or subsequently agreed upon, and if quantities originally contemplated are materially changed so that application of such unit prices to the actual quantities causes substantial inequity to the Owner or Contractor, the applicable unit prices shall be equitably adjusted.

### § 9.2 Schedule of Values

Where the Contract is based on a stipulated sum or Guaranteed Maximum Price, the Contractor shall submit a schedule of values to the Architect before the first Application for Payment, allocating the entire Contract Sum to the various portions of the Work. The schedule of values shall be prepared in the form, and supported by the data to substantiate its accuracy, required by the Architect. This schedule, unless objected to by the Architect, shall be used as a basis for reviewing the Contractor's Applications for Payment. Any changes to the schedule of values shall be submitted to the Architect and supported by such data to substantiate its accuracy as the Architect may require, and unless objected to by the Architect, shall be used as a basis for reviewing the Contractor's subsequent Applications for Payment.

### § 9.3 Applications for Payment

**§ 9.3.1** At least ten days before the date established for each progress payment, the Contractor shall submit to the Architect an itemized Application for Payment prepared in accordance with the schedule of values, if required under Section 9.2, for completed portions of the Work. The application shall be notarized, if required, and supported by all data substantiating the Contractor's right to payment that the Owner or Architect require, such as copies of requisitions, and releases and waivers of liens from Subcontractors and suppliers, and shall reflect retainage if provided for in the Contract Documents.


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**§ 9.3.1.1** As provided in Section 7.3.9, such applications may include requests for payment on account of changes in the Work that have been properly authorized by Construction Change Directives, or by interim determinations of the Architect, but not yet included in Change Orders.

**§ 9.3.1.2** Applications for Payment shall not include requests for payment for portions of the Work for which the Contractor does not intend to pay a Subcontractor or supplier, unless such Work has been performed by others whom the Contractor intends to pay.

**§ 9.3.2** Unless otherwise provided in the Contract Documents, payments shall be made on account of materials and equipment delivered and suitably stored at the site for subsequent incorporation in the Work. If approved in advance by the Owner, payment may similarly be made for materials and equipment suitably stored off the site at a location agreed upon in writing. Payment for materials and equipment stored on or off the site shall be conditioned upon compliance by the Contractor with procedures satisfactory to the Owner to establish the Owner's title to such materials and equipment or otherwise protect the Owner's interest, and shall include the costs of applicable insurance, storage, and transportation to the site, for such materials and equipment stored off the site.

**§ 9.3.3** The Contractor warrants that title to all Work covered by an Application for Payment will pass to the Owner no later than the time of payment. The Contractor further warrants that upon submittal of an Application for Payment all Work for which Certificates for Payment have been previously issued and payments received from the Owner shall, to the best of the Contractor's knowledge, information, and belief, be free and clear of liens, claims, security interests, or encumbrances, in favor of the Contractor, Subcontractors, suppliers, or other persons or entities that provided labor, materials, and equipment relating to the Work.

**§ 9.3.4** At the discretion of the Contractor, funds retained by the Owner, as specified in the Agreement, shall be held by the Owner or placed in an escrow account with _____ as the escrow agent. The Owner shall not be required to pay interest on the amount of retainage. The escrow agreement must contain the following provisions: (a) the escrow agent shall invest all escrowed principal in obligations selected by the escrow agent; (b) the escrow agent shall hold the escrowed principal and income until receipt of notice from the Owner and the Contractor, specifying the part of the escrowed principal to be released from the escrow and the person to whom that portion is to be released; (c) after receipt of the notice, the escrow agent shall remit the designated part of escrowed principal and the same proportion of then escrowed income to the person specified in the notice; (d) the escrow agent shall be compensated for the agent's services; and (e) the Owner and Contractor may agree on a reasonable fee comparable with fees being charged for the handling of escrow accounts of similar size and duration and the fee shall be paid from the escrowed income.

### § 9.4 Certificates for Payment

**§ 9.4.1** The Architect will, within seven days after receipt of the Contractor's Application for Payment, either (1) issue to the Owner a Certificate for Payment in the full amount of the Application for Payment, with a copy to the Contractor; or (2) issue to the Owner a Certificate for Payment for such amount as the Architect determines is properly due, and notify the Contractor and Owner of the Architect's reasons for withholding certification in part as provided in Section 9.5.1; or (3) withhold certification of the entire Application for Payment, and notify the Contractor and Owner of the Architect's reason for withholding certification in whole as provided in Section 9.5.1.

**§ 9.4.2** The issuance of a Certificate for Payment will constitute a representation by the Architect to the Owner, based on the Architect's evaluation of the Work and the data in the Application for Payment, that, to the best of the Architect's knowledge, information, and belief, the Work has progressed to the point indicated, the quality of the Work is in accordance with the Contract Documents, and that the Contractor is entitled to payment in the amount certified. The foregoing representations are subject to an evaluation of the Work for conformance with the Contract Documents upon Substantial Completion, to results of subsequent tests and inspections, to correction of minor deviations from the Contract Documents prior to completion, and to specific qualifications expressed by the Architect. However, the issuance of a Certificate for Payment will not be a representation that the Architect has (1) made exhaustive or continuous on-site inspections to check the quality or quantity of the Work; (2) reviewed construction means, methods, techniques, sequences, or procedures; (3) reviewed copies of requisitions received from Subcontractors and suppliers and other data requested by the Owner to substantiate the Contractor's right to payment; or (4) made examination to ascertain how or for what purpose the Contractor has used money previously paid on account of the Contract Sum.


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### § 9.5 Decisions to Withhold Certification

**§ 9.5.1** The Architect may withhold a Certificate for Payment in whole or in part, to the extent reasonably necessary to protect the Owner, if in the Architect's opinion the representations to the Owner required by Section 9.4.2 cannot be made. If the Architect is unable to certify payment in the amount of the Application, the Architect will notify the Contractor and Owner as provided in Section 9.4.1. If the Contractor and Architect cannot agree on a revised amount, the Architect will promptly issue a Certificate for Payment for the amount for which the Architect is able to make such representations to the Owner. The Owner may withhold payment in whole or in part, or the Architect may also withhold a Certificate for Payment or, because of subsequently discovered evidence, may nullify the whole or a part of a Certificate for Payment previously issued, to such extent as may be necessary in the Architect's opinion to protect the Owner from loss for which the Contractor is responsible, including loss resulting from acts and omissions described in Section 3.3.2, because of

- **.1** defective Work not remedied;
- **.2** third party claims filed or reasonable evidence indicating probable filing of such claims, unless security acceptable to the Owner is provided by the Contractor;
- **.3** failure of the Contractor to make payments properly to Subcontractors or suppliers for labor, materials or equipment;
- **.4** reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Sum;
- **.5** damage to the Owner or a Separate Contractor;
- **.6** reasonable evidence that the Work will not be completed within the Contract Time, and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay; or
- **.7** repeated failure to carry out the Work in accordance with the Contract Documents.

**§ 9.5.2** When either party disputes the Architect's decision regarding a Certificate for Payment under Section 9.5.1, in whole or in part, that party may submit a Claim in accordance with Article 15.

**§ 9.5.3** When the reasons for withholding certification are removed, certification will be made for amounts previously withheld. The Owner shall not be deemed to be in default of the Contract by reason of withholding payment while any of the grounds set forth in Section 9.5.1 remain uncured.

**§ 9.5.4** If the Architect withholds certification for payment under Section 9.5.1.3, the Owner may, at its sole option, issue joint checks to the Contractor and to any Subcontractor or supplier to whom the Contractor failed to make payment for Work properly performed or material or equipment suitably delivered. If the Owner makes payments by joint check, the Owner shall notify the Architect and the Contractor shall reflect such payment on its next Application for Payment.

### § 9.6 Progress Payments

**§ 9.6.1** After the Architect has issued a Certificate for Payment, the Owner shall make payment in the manner and within the time provided in the Contract Documents, and shall so notify the Architect.

**§ 9.6.2** The Contractor shall pay each Subcontractor, no later than seven days after receipt of payment from the Owner, the amount to which the Subcontractor is entitled, reflecting percentages actually retained from payments to the Contractor on account of the Subcontractor's portion of the Work. The Contractor shall, by appropriate agreement with each Subcontractor, require each Subcontractor to make payments to Sub-subcontractors in a similar manner.

**§ 9.6.3** The Architect will, on request, furnish to a Subcontractor, if practicable, information regarding percentages of completion or amounts applied for by the Contractor and action taken thereon by the Architect and Owner on account of portions of the Work done by such Subcontractor.

**§ 9.6.4** The Owner has the right to request written evidence from the Contractor that the Contractor has properly paid Subcontractors and suppliers amounts paid by the Owner to the Contractor for subcontracted Work. If the Contractor fails to furnish such evidence within seven days, the Owner shall have the right to contact Subcontractors and suppliers to ascertain whether they have been properly paid. Neither the Owner nor Architect shall have an obligation to pay, or to see to the payment of money to, a Subcontractor or supplier, except as may otherwise be required by law.

**§ 9.6.5** The Contractor's payments to suppliers shall be treated in a manner similar to that provided in Sections 9.6.2, 9.6.3 and 9.6.4.


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**§ 9.6.6** A Certificate for Payment, a progress payment, or partial or entire use or occupancy of the Project by the Owner shall not constitute acceptance of Work not in accordance with the Contract Documents.

**§ 9.6.7** Unless the Contractor provides the Owner with a payment bond in the full penal sum of the Contract Sum, payments received by the Contractor for Work properly performed by Subcontractors or provided by suppliers shall be held by the Contractor for those Subcontractors or suppliers who performed Work or furnished materials, or both, under contract with the Contractor for which payment was made by the Owner. Nothing contained herein shall require money to be placed in a separate account and not commingled with money of the Contractor, create any fiduciary liability or tort liability on the part of the Contractor for breach of trust, or entitle any person or entity to an award of punitive damages against the Contractor for breach of the requirements of this provision.

**§ 9.6.8** Provided the Owner has fulfilled its payment obligations under the Contract Documents, the Contractor shall defend and indemnify the Owner from all loss, liability, damage or expense, including reasonable attorney's fees and litigation expenses, arising out of any lien claim or other claim for payment by any Subcontractor or supplier of any tier. Upon receipt of notice of a lien claim or other claim for payment, the Owner shall notify the Contractor. If approved by the applicable court, when required, the Contractor may substitute a surety bond for the property against which the lien or other claim for payment has been asserted.

**§ 9.6.9** As required by Ind. Code § 36-1-12-20(c), the cost for trench safety systems, if any, shall be paid for as a separate pay item or in the pay of the principal work with which safety systems are associated.

### § 9.7 Failure of Payment

If the Architect does not issue a Certificate for Payment, through no fault of the Contractor, within seven days after receipt of the Contractor's Application for Payment, or if the Owner does not pay the Contractor within seven days after the date established in the Contract Documents, the amount certified by the Architect or awarded by binding dispute resolution, then the Contractor may, upon seven additional days' notice to the Owner and Architect, stop the Work until payment of the amount owing has been received. The Contract Time shall be extended appropriately.

### § 9.8 Substantial Completion

**§ 9.8.1** Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work for its intended use.

**§ 9.8.2** When the Contractor considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall prepare and submit to the Architect a comprehensive list of items to be completed or corrected prior to final payment. Failure to include an item on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

**§ 9.8.3** Upon receipt of the Contractor's list, the Owner and Architect will make an inspection to determine whether the Work or designated portion thereof is substantially complete. If the inspection discloses any item, whether or not included on the Contractor's list, which is not sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work or designated portion thereof for its intended use, the Contractor shall, before issuance of the Certificate of Substantial Completion, complete or correct such item upon notification by the Architect. In such case, the Contractor shall then submit a request for another inspection to determine Substantial Completion.

**§ 9.8.4** When the Work or designated portion thereof is substantially complete, the Architect will prepare a Certificate of Substantial Completion that shall establish the date of Substantial Completion; establish responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, damage to the Work and insurance; and fix the time within which the Contractor shall finish all items on the list accompanying the Certificate. Warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work or designated portion thereof unless otherwise provided in the Certificate of Substantial Completion.

**§ 9.8.5** The Certificate of Substantial Completion shall be submitted to the Owner and Contractor for their written acceptance of responsibilities assigned to them in the Certificate. Upon such acceptance, and consent of surety if any, the Owner shall make payment of retainage applying to the Work or designated portion thereof. Such payment shall be adjusted for Work that is incomplete or not in accordance with the requirements of the Contract Documents.


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**§ 9.8.6** The Contractor shall complete or correct all items included on the list prepared pursuant to Section 9.8.3, as such list may be supplemented from time to time by the Owner or Architect, within thirty (30) days from the date of Substantial Completion, or the Owner shall have the right, after three (3) days' written notice to the Contractor, to complete or correct such items at the Contractor's sole cost and expense.

### § 9.9 Partial Occupancy or Use

**§ 9.9.1** The Owner may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement with the Contractor, provided such occupancy or use is consented to by the insurer and authorized by public authorities having jurisdiction over the Project. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the Owner and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance, heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents. When the Contractor considers a portion substantially complete, the Contractor shall prepare and submit a list to the Architect as provided under Section 9.8.2. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld. The stage of the progress of the Work shall be determined by written agreement between the Owner and Contractor or, if no agreement is reached, by decision of the Architect.

**§ 9.9.2** Immediately prior to such partial occupancy or use, the Owner, Contractor, and Architect shall jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.

**§ 9.9.3** Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents nor shall the Owner waive any rights under the Contract by such partial occupancy or use.

### § 9.10 Final Completion and Final Payment

**§ 9.10.1** Upon receipt of the Contractor's notice that the Work is ready for final inspection and acceptance and upon receipt of a final Application for Payment, the Architect will promptly make such inspection. When the Architect and Owner find the Work acceptable under the Contract Documents and the Contract fully performed, the Architect will promptly issue a final Certificate for Payment stating that to the best of the Architect's knowledge, information and belief, and on the basis of the Architect's on-site visits and inspections, the Work has been completed in accordance with the Contract Documents and that the entire balance found to be due the Contractor and noted in the final Certificate is due and payable. The Architect's final Certificate for Payment will constitute a further representation that conditions listed in Section 9.10.2 as precedent to the Contractor's being entitled to final payment have been fulfilled.

**§ 9.10.2** Neither final payment nor any remaining retained percentage shall become due until the Contractor submits to the Architect (1) an affidavit that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the Owner or the Owner's property might be responsible or encumbered (less amounts withheld by Owner) have been paid or otherwise satisfied, (2) a certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is currently in effect, (3) a written statement that the Contractor knows of no reason that the insurance will not be renewable to cover the period required by the Contract Documents, (4) consent of surety, if any, to final payment, (5) documentation of any special warranties, such as manufacturers' warranties or specific Subcontractor warranties, and (6) if required by the Owner, other data establishing payment or satisfaction of obligations, such as receipts and releases and waivers of liens, claims, security interests, or encumbrances arising out of the Contract, to the extent and in such form as may be designated by the Owner. If a Subcontractor refuses to furnish a release or waiver required by the Owner, the Contractor may furnish a bond satisfactory to the Owner to indemnify the Owner against such lien, claim, security interest, or encumbrance. If a lien, claim, security interest, or encumbrance remains unsatisfied after payments are made, the Contractor shall refund to the Owner all money that the Owner may be compelled to pay in discharging the lien, claim, security interest, or encumbrance, including all costs and reasonable attorneys' fees. Final payment is further subject to the provisions of Ind. Code § 36-1-12-14(f) regarding final payment, payment by the escrow agent, and withholding for uncompleted minor items.

**§ 9.10.3** If, after Substantial Completion of the Work, final completion thereof is materially delayed through no fault of the Contractor or by issuance of Change Orders affecting final completion, and the Architect so confirms, the


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Owner shall, upon application by the Contractor and certification by the Architect, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed, corrected, and accepted. If the remaining balance for Work not fully completed or corrected is less than retainage stipulated in the Contract Documents, and if bonds have been furnished, the written consent of the surety to payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by the Contractor to the Architect prior to certification of such payment. Such payment shall be made under terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

**§ 9.10.4** The making of final payment shall constitute a waiver of Claims by the Owner except those arising from

- **.1** liens, Claims, security interests, or encumbrances arising out of the Contract and unsettled;
- **.2** failure of the Work to comply with the requirements of the Contract Documents;
- **.3** terms of special warranties required by the Contract Documents; or
- **.4** audits performed by the Owner, if permitted by the Contract Documents, after final payment.

**§ 9.10.5** Acceptance of final payment by the Contractor, a Subcontractor, or a supplier, shall constitute a waiver of claims by that payee except those previously made in writing and identified by that payee as unsettled at the time of final Application for Payment.

## ARTICLE 10 PROTECTION OF PERSONS AND PROPERTY

### § 10.1 Safety Precautions and Programs

The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Contract.

### § 10.2 Safety of Persons and Property

**§ 10.2.1** The Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury, or loss to

- **.1** employees on the Work and other persons who may be affected thereby;
- **.2** the Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody, or control of the Contractor, a Subcontractor, or a Sub-subcontractor; and
- **.3** other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

**§ 10.2.2** The Contractor shall comply with, and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities, bearing on safety of persons or property or their protection from damage, injury, or loss.

**§ 10.2.2.1** The provisions of Ind. Code § 36-1-12-20 and IOSHA regulations 29 CFR 1926, Subpart P, pertaining to trench safety systems are incorporated herein by this reference.

**§ 10.2.3** The Contractor shall implement, erect, and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards; promulgating safety regulations; and notifying the owners and users of adjacent sites and utilities of the safeguards.

**§ 10.2.4** When use or storage of explosives or other hazardous materials or equipment, or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel.

**§ 10.2.5** The Contractor shall promptly remedy damage and loss (other than damage or loss insured under property insurance required by the Contract Documents) to property referred to in Sections 10.2.1.2 and 10.2.1.3 caused in whole or in part by the Contractor, a Subcontractor, a Sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible under Sections 10.2.1.2 and 10.2.1.3. The Contractor may make a Claim for the cost to remedy the damage or loss to the extent such damage or loss is attributable to acts or omissions of the Owner or Architect or anyone directly or indirectly employed by either of them, or by anyone for whose acts either of them may be liable, and not attributable to


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the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under Section 3.18.

**§ 10.2.6** The Contractor shall designate a responsible member of the Contractor's organization at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent unless otherwise designated by the Contractor in writing to the Owner and Architect.

**§ 10.2.7** The Contractor shall not permit any part of the construction or site to be loaded so as to cause damage or create an unsafe condition.

**§ 10.2.8 Injury or Damage to Person or Property**

If either party suffers injury or damage to person or property because of an act or omission of the other party, or of others for whose acts such party is legally responsible, notice of the injury or damage, whether or not insured, shall be given to the other party within a reasonable time not exceeding 21 days after discovery. The notice shall provide sufficient detail to enable the other party to investigate the matter.

**§ 10.3 Hazardous Materials and Substances**

**§ 10.3.1** The Contractor is responsible for compliance with all requirements included in the Contract Documents and with all federal, state and local laws, statutes, ordinances, rules, regulations and lawful orders of public authorities regarding hazardous materials or substances. If the Contractor encounters a hazardous material or substance not addressed in the Contract Documents and if reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), encountered on the site by the Contractor, the Contractor shall, upon recognizing the condition, immediately stop Work in the affected area and notify the Owner and Architect of the condition.

**§ 10.3.2** Upon receipt of the Contractor's notice, the Owner shall obtain the services of a licensed laboratory to verify the presence or absence of the material or substance reported by the Contractor and, in the event such material or substance is found to be present, to cause it to be rendered harmless. When the material or substance has been rendered harmless, Work in the affected area shall resume upon written agreement of the Owner and Contractor. By Change Order, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable additional costs of shutdown, delay, and start-up. The term "rendered harmless" shall mean that levels are less than any permissible exposure limits set forth in OSHA regulations.

**§ 10.3.3** To the fullest extent permitted by law, the Owner shall indemnify and hold harmless the Contractor, Subcontractors, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work in the affected area if in fact the material or substance presents the risk of bodily injury or death as described in Section 10.3.1 and has not been rendered harmless, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), except to the extent that such damage, loss, or expense is due to the fault or negligence of the party seeking indemnity.

**§ 10.3.4** The Contractor, not the Owner shall be responsible under this Section 10.3 for hazardous materials or substances the Contractor brings to the site.

**§ 10.3.5** The Contractor shall reimburse the Owner for the cost and expense the Owner incurs (1) for remediation of hazardous materials or substances the Contractor or its Subcontractors or suppliers bring to the site if that material or substance is spilled, leaked, released, discharged, abandoned, or negligently, recklessly,, or carelessly handled, or intentionally, willfully, or knowingly mishandled, or (2) where the Contractor fails to perform its obligations under Section 10.3.1, except to the extent that the cost and expense are due to the Owner's fault or negligence.

**§ 10.3.6** If, without negligence on the part of the Contractor, the Contractor is held liable by a government agency for the cost of remediation of a hazardous material or substance solely by reason of performing Work as required by the Contract Documents, the Owner shall reimburse the Contractor for all cost and expense thereby incurred.


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**§ 10.4 Emergencies**
In an emergency affecting safety of persons or property, the Contractor shall act, at the Contractor's discretion, to prevent threatened damage, injury, or loss. Additional compensation or extension of time claimed by the Contractor on account of an emergency shall be determined as provided in Article 15 and Article 7.

## ARTICLE 11 INSURANCE AND BONDS

**§ 11.1 Contractor's Insurance and Bonds**

**§ 11.1.1** The Contractor shall purchase and maintain insurance of the types and limits of liability, containing the endorsements, and subject to the terms and conditions, as described in the Agreement or elsewhere in the Contract Documents. The Contractor shall purchase and maintain the required insurance from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located. The Owner, Architect, and Architect's consultants shall be named as additional insureds under the Contractor's commercial general liability policy or as otherwise described in the Contract Documents.

**§ 11.1.2** The Contractor shall provide surety bonds of the types, for such penal sums, and subject to such terms and conditions as required by the Contract Documents. The Contractor shall purchase and maintain the required bonds from a company or companies lawfully authorized to issue surety bonds in the jurisdiction where the Project is located.

**§ 11.1.3** Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under the Contract, the Contractor shall promptly furnish a copy of the bonds or shall authorize a copy to be furnished.

**§ 11.1.4 Notice of Cancellation or Expiration of Contractor's Required Insurance.** Within three (3) business days of the date the Contractor becomes aware of an impending or actual cancellation or expiration of any insurance required by the Contract Documents, the Contractor shall provide notice to the Owner of such impending or actual cancellation or expiration. Upon receipt of notice from the Contractor, the Owner shall, unless the lapse in coverage arises from an act or omission of the Owner, have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by the Contractor. The furnishing of notice by the Contractor shall not relieve the Contractor of any contractual obligation to provide any required coverage.

**§ 11.1.5** Notwithstanding anything to the contrary in the Contract, no agreement or provision contained herein to procure or provide insurance shall be deemed or construed to constitute a waiver of liability, an agreement to exculpate a party from the consequences of its own negligence, or limit the Owner's recourse to the proceeds of such insurance.

**§ 11.2 Owner's Insurance**

**§ 11.2.1** The Owner shall purchase and maintain insurance of the types and limits of liability, containing the endorsements, and subject to the terms and conditions, as described in the Agreement or elsewhere in the Contract Documents. The Owner shall purchase and maintain the required insurance from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located.

**§ 11.2.2 Failure to Purchase Required Property Insurance.** If the Owner fails to purchase and maintain the required property insurance, with all of the coverages and in the amounts described in the Agreement or elsewhere in the Contract Documents, the Owner shall inform the Contractor in writing prior to commencement of the Work. Upon receipt of notice from the Owner, the Contractor may delay commencement of the Work and may obtain insurance that will protect the interests of the Contractor, Subcontractors, and Sub-Subcontractors in the Work. When the failure to provide coverage has been cured or resolved, the Contract Sum and Contract Time shall be equitably adjusted. In the event the Owner fails to procure coverage, the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent the loss to the Owner would have been covered by the insurance to have been procured by the Owner. The cost of the insurance shall be charged to the Owner by a Change Order. If the Owner does not provide written notice, and the Contractor is damaged by the failure or neglect of the Owner to purchase or maintain the required insurance, the Owner shall reimburse the Contractor for all reasonable costs and damages attributable thereto.

**§ 11.2.3 Notice of Cancellation or Expiration of Owner's Required Property Insurance.** Within three (3) business days of the date the Owner becomes aware of an impending or actual cancellation or expiration of any property insurance required by the Contract Documents, the Owner shall provide notice to the Contractor of such impending or actual cancellation or expiration. Unless the lapse in coverage arises from an act or omission of the Contractor: (1) the


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Contractor, upon receipt of notice from the Owner, shall have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by either the Owner or the Contractor; (2) the Contract Time and Contract Sum shall be equitably adjusted; and (3) the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent any loss to the Owner would have been covered by the insurance had it not expired or been cancelled. If the Contractor purchases replacement coverage, the cost of the insurance shall be charged to the Owner by an appropriate Change Order. The furnishing of notice by the Owner shall not relieve the Owner of any contractual obligation to provide required insurance.

**§ 11.3 Waivers of Subrogation**

**§ 11.3.1** The Owner and Contractor waive all rights against (1) each other and any of their subcontractors, sub-subcontractors, agents, and employees, each of the other; (2) the Architect and Architect's consultants; and (3) Separate Contractors, if any, and any of their subcontractors, sub-subcontractors, agents, and employees, for damages caused by fire, or other causes of loss, to the extent those losses are covered by property insurance required by the Agreement or other property insurance applicable to the Project, except such rights as they have to proceeds of such insurance. The Owner or Contractor, as appropriate, shall require similar written waivers in favor of the individuals and entities identified above from the Architect, Architect's consultants, Separate Contractors, subcontractors, and sub-subcontractors. The policies of insurance purchased and maintained by each person or entity agreeing to waive claims pursuant to this section 11.3.1 shall not prohibit this waiver of subrogation. This waiver of subrogation shall be effective as to a person or entity (1) even though that person or entity would otherwise have a duty of indemnification, contractual or otherwise, (2) even though that person or entity did not pay the insurance premium directly or indirectly, or (3) whether or not the person or entity had an insurable interest in the damaged property.

**§ 11.3.2** If during the Project construction period the Owner insures properties, real or personal or both, at or adjacent to the site by property insurance under policies separate from those insuring the Project, or if after final payment property insurance is to be provided on the completed Project through a policy or policies other than those insuring the Project during the construction period, to the extent permissible by such policies, the Owner waives all rights in accordance with the terms of Section 11.3.1 for damages caused by fire or other causes of loss covered by this separate property insurance.

**§ 11.4 Loss of Use, Business Interruption, and Delay in Completion Insurance**

The Owner, at the Owner's option, may purchase and maintain insurance that will protect the Owner against loss of use of the Owner's property, or the inability to conduct normal operations, due to fire or other causes of loss. The Owner waives all rights of action against the Contractor and Architect for loss of use of the Owner's property, due to fire or other hazards however caused.

**§ 11.5 Adjustment and Settlement of Insured Loss**

**§ 11.5.1** A loss insured under the property insurance required by the Agreement shall be adjusted by the Owner and made payable to the Owner for the insureds, as their interests may appear, subject to requirements of any applicable mortgagee clause and of Section 11.5.2. The Owner shall pay the Architect and Contractor their just shares of insurance proceeds received by the Owner, and by appropriate agreements the Architect and Contractor shall make payments to their consultants and Subcontractors in similar manner.

**§ 11.5.2** Prior to settlement of an insured loss, the Owner shall notify the Contractor of the terms of the proposed settlement as well as the proposed allocation of the insurance proceeds. The Contractor shall have 14 days from receipt of notice to object to the proposed settlement or allocation of the proceeds. If the Contractor does not object, the Owner shall settle the loss and the Contractor shall be bound by the settlement and allocation. Upon receipt, the Owner shall deposit the insurance proceeds in a separate account and make the appropriate distributions. Thereafter, if no other agreement is made or the Owner does not terminate the Contract for convenience, the Owner and Contractor shall execute a Change Order for reconstruction of the damaged or destroyed Work in the amount allocated for that purpose. If the Contractor timely objects to either the terms of the proposed settlement or the allocation of the proceeds, the Owner may proceed to settle the insured loss, and any dispute between the Owner and Contractor arising out of the settlement or allocation of the proceeds shall be resolved pursuant to Article 15. Pending resolution of any dispute, the Owner may issue a Construction Change Directive for the reconstruction of the damaged or destroyed Work.


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## ARTICLE 12 UNCOVERING AND CORRECTION OF WORK

### § 12.1 Uncovering of Work

**§ 12.1.1** If a portion of the Work is covered contrary to the Architect's request or to requirements specifically expressed in the Contract Documents, it must, if requested in writing by the Architect, be uncovered for the Architect's examination and be replaced at the Contractor's expense without change in the Contract Time.

**§ 12.1.2** If a portion of the Work has been covered that the Architect has not specifically requested to examine prior to its being covered, the Architect may request to see such Work and it shall be uncovered by the Contractor. If such Work is in accordance with the Contract Documents, the Contractor shall be entitled to an equitable adjustment to the Contract Sum and Contract Time as may be appropriate. If such Work is not in accordance with the Contract Documents, the costs of uncovering the Work, and the cost of correction, shall be at the Contractor's expense.

### § 12.2 Correction of Work

#### § 12.2.1 Before Substantial Completion

The Contractor shall promptly correct Work rejected by the Architect or failing to conform to the requirements of the Contract Documents, discovered before Substantial Completion and whether or not fabricated, installed or completed. Costs of correcting such rejected Work, including additional testing and inspections, the cost of uncovering and replacement, and compensation for the Architect's services and expenses made necessary thereby, shall be at the Contractor's expense.

#### § 12.2.2 After Substantial Completion

**§ 12.2.2.1** In addition to the Contractor's obligations under Section 3.5, if, within one year after the date of Substantial Completion of the Work or designated portion thereof, any of the Work is found to be not in accordance with the requirements of the Contract Documents, the Contractor shall correct it promptly after receipt of notice from the Owner to do so, unless the Owner has previously given the Contractor a written acceptance of such condition. The Owner shall give such notice promptly after discovery of the condition. During the one-year period for correction of Work, if the Owner fails to notify the Contractor and give the Contractor an opportunity to make the correction, the Owner waives the rights to require correction by the Contractor. If the Contractor fails to correct nonconforming Work within a reasonable time during that period after receipt of notice from the Owner or Architect, the Owner may correct it in accordance with Section 2.5.

**§ 12.2.2.2** The one-year period for correction of Work shall be extended with respect to portions of Work first performed after Substantial Completion by the period of time between Substantial Completion and the actual completion of that portion of the Work.

**§ 12.2.2.3** The one-year period for correction of Work shall not be extended by corrective Work performed by the Contractor pursuant to this Section 12.2.

**§ 12.2.3** The Contractor shall remove from the site portions of the Work that are not in accordance with the requirements of the Contract Documents and are neither corrected by the Contractor nor accepted by the Owner.

**§ 12.2.4** The Contractor shall bear the cost of correcting destroyed or damaged construction of the Owner or Separate Contractors, whether completed or partially completed, caused by the Contractor's correction or removal of Work that is not in accordance with the requirements of the Contract Documents.

**§ 12.2.5** Nothing contained in this Section 12.2 shall be construed to establish a period of limitation with respect to warranties other obligations the Contractor has under the Contract Documents. Establishment of the one-year period for correction of Work as described in Section 12.2.2 relates only to the specific obligation of the Contractor to correct the Work, and has no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations other than specifically to correct the Work.

### § 12.3 Acceptance of Nonconforming Work

If the Owner prefers to accept Work that is not in accordance with the requirements of the Contract Documents, the Owner may do so instead of requiring its removal and correction, in which case the Contract Sum will be reduced as appropriate and equitable. Such adjustment shall be effected whether or not final payment has been made.


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## ARTICLE 13 MISCELLANEOUS PROVISIONS

### § 13.1 Governing Law

The Contract shall be governed by the law of the place where the Project is located, excluding that jurisdiction's choice of law rules. If the parties have selected arbitration as the method of binding dispute resolution, the Federal Arbitration Act shall govern Section 15.4.

**§ 13.1.1** Contractor and all Subcontractors are responsible to comply with Indiana Code as it pertains to public works projects. The following are notable requirements set forth in IC 5-16-13 and 4-13.6, but are not inclusive of all requirements.

**.1** Each first tier Subcontractor must contribute in: (i) work performed by the Subcontractor's employees; (ii) materials supplied directly by the Subcontractor; (iii) services supplied directly by the Subcontractor's employees; or (iv) any combination of subdivisions (i) through (iii); at least fifteen percent (15%) of the Subcontractor's total contract price as determined at the time the contract is awarded.

**.2** Contractor and all Subcontractors, regardless of tier, that are performing the constructing, altering, demolishing, or renovating of a public building or other structure must be qualified by the Indiana Department of Administration, and those contractors and subcontractors that are constructing, altering, or repairing highways, streets, or alleys must be qualified by INDOT.

**(a)** Contractors and Subcontractors, regardless of tier, performing work for local governmental entities awarded under Ind. Code 36-1-12 and whose contracts are less than $300,000 are not required to have been qualified by IDOA or INDOT.

**(b)** Suppliers of material are not required to be qualified by IDOA prior to doing work on public works projects. A "Supplier" is defined as "any person supplying materials, but no on site labor, to a Contractor or Subcontractor. IC 4-13.6-1-20.

**.3** For public works by local governmental entities under Ind. Code 36-1-12, Contractor and its Subcontractors shall comply with requirements for drug testing of its employees set forth in Ind. Code 4-13-18 if estimated cost of public works Contract is at least $150,000.

**.4** Contractor and all Subcontractors, regardless of tier, shall preserve its payroll and related records for three (3) years after completion of the project work and such records shall be open to inspection by the Indiana Department of Workforce Development.

**.5** If Contractor or Subcontractor, regardless of tier, employs 10 or more employees, then such Contractor/Subcontractor shall provide access to a training program applicable to tasks to be performed in normal course of employee's employment. Contractor or Subcontractor may comply with this training requirement through one of following: (i) an apprenticeship program; (ii) a program offered by Ivy Tech Community College of Indiana or Vincennes University; (iii) a program established by or for Contractor/Subcontractor; (iv) a program offered by an entity sponsored by U. S. Department of Labor, Bureau of Apprenticeship and Training; (v) a program that results in award of an industry recognized portable certification; (vi) a program approved by Federal Highway Administration; or (vii) a program approved by INDOT.

**.6** If Contractor or first tier Subcontractor employs more than 50 journeymen, such Contractor/first tier Subcontractor shall participate in an apprenticeship or training program that meets standards established by or has been approved by any of following: U.S. Department of Labor, Bureau of Apprenticeship and Training; Indiana Department of Labor; Federal Highway Administration; or INDOT.

### § 13.2 Successors and Assigns

**§ 13.2.1** The Owner and Contractor respectively bind themselves, their partners, successors, assigns, and legal representatives to covenants, agreements, and obligations contained in the Contract Documents. Except as provided in Section 13.2.2, neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

**§ 13.2.2** The Owner may, without consent of the Contractor, assign the Contract to a lender providing construction financing for the Project, if the lender assumes the Owner's rights and obligations under the Contract Documents. The Contractor shall execute all consents reasonably required to facilitate the assignment.


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### § 13.3 Rights and Remedies

**§ 13.3.1** Duties and obligations imposed by the Contract Documents and rights and remedies available thereunder shall be in addition to and not a limitation of duties, obligations, rights, and remedies otherwise imposed or available by law.

**§ 13.3.2** No action or failure to act by the Owner, Architect, or Contractor shall constitute a waiver of a right or duty afforded them under the Contract, nor shall such action or failure to act constitute approval of or acquiescence in a breach thereunder, except as may be specifically agreed upon in writing.

### § 13.4 Tests and Inspections

**§ 13.4.1** Tests, inspections, and approvals of portions of the Work shall be made as required by the Contract Documents and by applicable laws, statutes, ordinances, codes, rules, and regulations or lawful orders of public authorities. Unless otherwise provided, the Contractor shall make arrangements for such tests, inspections, and approvals with an independent testing laboratory or entity acceptable to the Owner, or with the appropriate public authority, and shall bear all related costs of tests, inspections, and approvals. The Contractor shall give the Architect timely notice of when and where tests and inspections are to be made so that the Architect may be present for such procedures. The Owner shall bear costs of tests, inspections, or approvals that do not become requirements until after bids are received or negotiations concluded. The Owner shall directly arrange and pay for tests, inspections, or approvals where building codes or applicable laws or regulations so require.

**§ 13.4.2** If the Architect, Owner, or public authorities having jurisdiction determine that portions of the Work require additional testing, inspection, or approval not included under Section 13.4.1, the Architect will, upon written authorization from the Owner, instruct the Contractor to make arrangements for such additional testing, inspection, or approval, by an entity acceptable to the Owner, and the Contractor shall give timely notice to the Architect of when and where tests and inspections are to be made so that the Architect may be present for such procedures. Such costs, except as provided in Section 13.4.3, shall be at the Owner's expense.

**§ 13.4.3** If procedures for testing, inspection, or approval under Sections 13.4.1 and 13.4.2 reveal failure of the portions of the Work to comply with requirements established by the Contract Documents, all costs made necessary by such failure, including those of repeated procedures and compensation for the Architect's services and expenses, shall be at the Contractor's expense.

**§ 13.4.4** Required certificates of testing, inspection, or approval shall, unless otherwise required by the Contract Documents, be secured by the Contractor and promptly delivered to the Architect.

**§ 13.4.5** If the Architect is to observe tests, inspections, or approvals required by the Contract Documents, the Architect will do so promptly and, where practicable, at the normal place of testing.

**§ 13.4.6** Tests or inspections conducted pursuant to the Contract Documents shall be made promptly to avoid unreasonable delay in the Work.

### § 13.5 Interest

Payments due and unpaid under the Contract Documents shall bear interest from the date payment is due at the rate the parties agree upon in writing or, in the absence thereof, at the legal rate prevailing from time to time at the place where the Project is located.

## ARTICLE 14 TERMINATION OR SUSPENSION OF THE CONTRACT

### § 14.1 Termination by the Contractor

**§ 14.1.1** The Contractor may terminate the Contract if the Work is stopped for a period of 30 consecutive days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons or entities performing portions of the Work, for any of the following reasons:

- **.1** Issuance of an order of a court or other public authority having jurisdiction that requires all Work to be stopped;
- **.2** An act of government, such as a declaration of national emergency, that requires all Work to be stopped;
- **.3** Because the Architect has not issued a Certificate for Payment and has not notified the Contractor of the reason for withholding certification as provided in Section 9.4.1, or because, contrary to the provisions


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of the Contract Documents, the Owner has not made payment on a Certificate for Payment within the time stated in the Contract Documents; or

**.4** The Owner has failed to furnish to the Contractor reasonable evidence as required by Section 2.2.

**§ 14.1.2** The Contractor may terminate the Contract if, through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons or entities performing portions of the Work, repeated suspensions, delays, or interruptions of the entire Work by the Owner as described in Section 14.3, constitute in the aggregate more than 100 percent of the total number of days scheduled for completion, or 120 days in any 365-day period, whichever is less.

**§ 14.1.3** If one of the reasons described in Section 14.1.1 or 14.1.2 exists, the Contractor may, upon seven days' notice and opportunity to cure to the Owner and Architect, terminate the Contract and recover from the Owner payment for Work properly executed, as well as the Construction Manager's Fee on Work properly executed, and direct costs incurred by reason of such termination.

**§ 14.1.4** If the Work is stopped for a period of 60 consecutive days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, or their agents or employees or any other persons or entities performing portions of the Work because the Owner has repeatedly failed to fulfill the Owner's obligations under the Contract Documents with respect to matters important to the progress of the Work, the Contractor may, upon seven additional days' notice and opportunity to cure to the Owner and the Architect, terminate the Contract and recover from the Owner as provided in Section 14.1.3.

### § 14.2 Termination by the Owner for Cause

**§ 14.2.1** The Owner may terminate the Contract if the Contractor

**.1** repeatedly refuses or fails to prosecute the Work promptly and diligently or to supply enough properly skilled workers or proper materials;

**.2** fails to make payment to Subcontractors or suppliers in accordance with the respective agreements between the Contractor and the Subcontractors or suppliers;

**.3** repeatedly disregards applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of a public authority;

**.4** shall institute proceedings or consents to proceedings requesting relief or arrangement under the Federal Bankruptcy Act or any similar or applicable federal or state law, or if a petition under any federal or state bankruptcy or insolvency law is filed against Contractor and such petition is not dismissed within 60 days from the date of filing;

**.5** admits in writing its inability to pay its debts generally as they become due;

**.6** makes a general assignment for the benefit of its creditors, or if a receiver, liquidator, trustee, or assignee is appointed on account of the Contractor's bankruptcy or insolvency, or if a receiver of all or any portion of the Contractor's properties is appointed; or

**.7** abandons the Work; or

**.8** otherwise is guilty of substantial breach of a provision of the Contract Documents.

**§ 14.2.2** When any of the reasons described in Section 14.2.1 exist, the Owner may, without prejudice to any other rights or remedies of the Owner and after giving the Contractor and the Contractor's surety, if any, seven days' notice, terminate employment of the Contractor and may, subject to any prior rights of the surety:

**.1** Exclude the Contractor from the site and take possession of all materials, equipment, tools, and construction equipment and machinery thereon owned by the Contractor;

**.2** Accept assignment of subcontracts pursuant to Section 5.4; and

**.3** Finish the Work by whatever reasonable method the Owner may deem expedient. Upon written request of the Contractor, the Owner shall furnish to the Contractor a detailed accounting of the costs incurred by the Owner in finishing the Work.

**§ 14.2.3** When the Owner terminates the Contract for one of the reasons stated in Section 14.2.1, the Contractor shall not be entitled to receive further payment until the Work is finished.

**§ 14.2.4** If the unpaid balance of the Contract Sum exceeds costs of finishing the Work, including compensation for the Architect's services and expenses made necessary thereby, and other damages incurred by the Owner and not expressly waived, such excess shall be paid to the Contractor. If such costs and damages exceed the unpaid balance,


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the Contractor shall pay the difference to the Owner. This obligation for payment shall survive termination of the Contract.

**§ 14.3 Suspension by the Owner for Convenience**

**§ 14.3.1** The Owner may, without cause, order the Contractor in writing to suspend, delay or interrupt the Work, in whole or in part for such period of time as the Owner may determine.

**§ 14.3.2** The Contract Sum and Contract Time shall be adjusted for increases in the cost and time caused by suspension, delay, or interruption under Section 14.3.1. Adjustment of the Contract Sum shall include profit. No adjustment shall be made to the extent

**.1** that performance is, was, or would have been, so suspended, delayed, or interrupted, by another cause for which the Contractor is responsible; or

**.2** that an equitable adjustment is made or denied under another provision of the Contract.

**§ 14.4 Termination by the Owner for Convenience**

**§ 14.4.1** The Owner may, at any time, terminate the Contract for the Owner's convenience and without cause.

**§ 14.4.2** Upon receipt of notice from the Owner of such termination for the Owner's convenience, the Contractor shall

**.1** cease operations as directed by the Owner in the notice;

**.2** take actions necessary, or that the Owner may direct, for the protection and preservation of the Work; and

**.3** except for Work directed to be performed prior to the effective date of termination stated in the notice, terminate all existing subcontracts and purchase orders and enter into no further subcontracts and purchase orders.

**§ 14.4.3** In case of such termination for the Owner's convenience, the Owner shall pay the Contractor for Work properly executed; costs incurred by reason of the termination, including costs attributable to termination of Subcontracts; and the termination fee, if any, set forth in the Agreement.

**ARTICLE 15 CLAIMS AND DISPUTES**

**§ 15.1 Claims**

**§ 15.1.1 Definition**

A Claim is a demand or assertion by one of the parties seeking, as a matter of right, payment of money, a change in the Contract Time, or other relief with respect to the terms of the Contract. The term "Claim" also includes other disputes and matters in question between the Owner and Contractor arising out of or relating to the Contract, but does not include the Owner's termination of the Contract under Sections 14.2 or 14.4. The responsibility to substantiate Claims shall rest with the party making the Claim. This Section 15.1.1 does not require the Owner to file a Claim in order to impose liquidated damages in accordance with the Contract Documents. The making of any progress payment by the Owner shall not be construed as a waiver of any claim by the Owner against the Contractor, whether or not any such claim was known by the Owner before the making of such payment.

**§ 15.1.2 Time Limits on Claims**

The Owner and Contractor shall commence all Claims and causes of action against the other and arising out of or related to the Contract, whether in contract, tort, breach of warranty or otherwise, in accordance with the requirements of the binding dispute resolution method selected in the Agreement and within the period specified by applicable law, but in any case not more than 10 years after the date of Substantial Completion of the Work. The Owner and Contractor waive all Claims and causes of action not commenced in accordance with this Section 15.1.2.

**§ 15.1.3 Notice of Claims**

**§ 15.1.3.1** Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered prior to expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated by notice to the other party and to the Initial Decision Maker with a copy sent to the Architect, if the Architect is not serving as the Initial Decision Maker. Claims by either party under this Section 15.1.3.1 shall be initiated within 21 days after occurrence of the event giving rise to such Claim or within 21 days after the claimant first recognizes the condition giving rise to the Claim, whichever is later.


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**§ 15.1.3.2** Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered after expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated by notice to the other party. In such event, no decision by the Initial Decision Maker is required.

**§ 15.1.4 Continuing Contract Performance**

**§ 15.1.4.1** Pending final resolution of a Claim, except as otherwise agreed in writing or as provided in Section 9.7 and Article 14, the Contractor shall proceed diligently with performance of the Contract and the Owner shall continue to make payments in accordance with the Contract Documents.

**§ 15.1.4.2** The Contract Sum and Contract Time shall be adjusted in accordance with the Initial Decision Maker's decision, subject to the right of either party to proceed in accordance with this Article 15. The Architect will issue Certificates for Payment in accordance with the decision of the Initial Decision Maker.

**§ 15.1.5 Claims for Additional Cost**

If the Contractor wishes to make a Claim for an increase in the Contract Sum, notice as provided in Section 15.1.3 shall be given before proceeding to execute the portion of the Work that is the subject of the Claim. Prior notice is not required for Claims relating to an emergency endangering life or property arising under Section 10.4.

**§ 15.1.6 Claims for Additional Time**

**§ 15.1.6.1** If the Contractor wishes to make a Claim for an increase in the Contract Time, notice as provided in Section 15.1.3 shall be given. The Contractor's Claim shall include an estimate of cost and of probable effect of delay on progress of the Work. In the case of a continuing delay, only one Claim is necessary.

**§ 15.1.6.2** If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating that weather conditions were abnormal for the period of time, could not have been reasonably anticipated, and had an adverse effect on the scheduled construction.

**§ 15.1.7 Waiver of Claims for Consequential Damages**

The Contractor and Owner waive Claims against each other for consequential damages arising out of or relating to this Contract. This mutual waiver includes

**.1** damages incurred by the Owner for rental expenses, for losses of use, income, profit, financing, business and reputation, and for loss of management or employee productivity or of the services of such persons; and

**.2** damages incurred by the Contractor for principal office expenses including the compensation of personnel stationed there, for losses of financing, business and reputation, and for loss of profit, except anticipated profit arising directly from the Work.

This mutual waiver is applicable, without limitation, to all consequential damages due to either party's termination in accordance with Article 14. Nothing contained in this Section 15.1.7 shall be deemed to preclude assessment of liquidated damages, when applicable, in accordance with the requirements of the Contract Documents.

**§ 15.2 Initial Decision**

**§ 15.2.1** Claims asserted prior to the date of final payment, excluding those where the condition giving rise to the Claim is first discovered after expiration of the period for correction of the Work set forth in Section 12.2.2 or arising under Sections 10.3, 10.4, and 11.5, shall be referred to the Initial Decision Maker for initial decision. The Architect will serve as the Initial Decision Maker, unless otherwise indicated in the Agreement. Except for those Claims excluded by this Section 15.2.1, an initial decision shall be required as a condition precedent to mediation of any Claim. If an initial decision has not been rendered within 30 days after the Claim has been referred to the Initial Decision Maker, the party asserting the Claim may demand mediation and binding dispute resolution without a decision having been rendered. Unless the Initial Decision Maker and all affected parties agree, the Initial Decision Maker will not decide disputes between the Contractor and persons or entities other than the Owner.

**§ 15.2.2** The Initial Decision Maker will review Claims and within ten days of the receipt of a Claim take one or more of the following actions: (1) request additional supporting data from the claimant or a response with supporting data from the other party, (2) reject the Claim in whole or in part, (3) approve the Claim, (4) suggest a compromise, or (5) advise the parties that the Initial Decision Maker is unable to resolve the Claim if the Initial Decision Maker lacks


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sufficient information to evaluate the merits of the Claim or if the Initial Decision Maker concludes that, in the Initial Decision Maker's sole discretion, it would be inappropriate for the Initial Decision Maker to resolve the Claim.

**§ 15.2.3** In evaluating Claims, the Initial Decision Maker may, but shall not be obligated to, consult with or seek information from either party or from persons with special knowledge or expertise who may assist the Initial Decision Maker in rendering a decision. The Initial Decision Maker may request the Owner to authorize retention of such persons at the Owner's expense.

**§ 15.2.4** If the Initial Decision Maker requests a party to provide a response to a Claim or to furnish additional supporting data, such party shall respond, within ten days after receipt of the request, and shall either (1) provide a response on the requested supporting data, (2) advise the Initial Decision Maker when the response or supporting data will be furnished, or (3) advise the Initial Decision Maker that no supporting data will be furnished. Upon receipt of the response or supporting data, if any, the Initial Decision Maker will either reject or approve the Claim in whole or in part.

**§ 15.2.5** The Initial Decision Maker will render an initial decision approving or rejecting the Claim, or indicating that the Initial Decision Maker is unable to resolve the Claim. This initial decision shall (1) be in writing; (2) state the reasons therefor; and (3) notify the parties and the Architect, if the Architect is not serving as the Initial Decision Maker, of any change in the Contract Sum or Contract Time or both. The initial decision shall be final and binding on the parties but subject to mediation and, if the parties fail to resolve their dispute through mediation, to binding dispute resolution.

**§ 15.2.6** Either party may file for mediation of an initial decision at any time, subject to the terms of Section 15.2.6.1.

**§ 15.2.6.1** Either party may, within 30 days from the date of receipt of an initial decision, demand in writing that the other party file for mediation. If such a demand is made and the party receiving the demand fails to file for mediation within 30 days after receipt thereof, then both parties waive their rights to mediate or pursue binding dispute resolution proceedings with respect to the initial decision.

**§ 15.2.7** In the event of a Claim against the Contractor, the Owner may, but is not obligated to, notify the surety, if any, of the nature and amount of the Claim. If the Claim relates to a possibility of a Contractor's default, the Owner may, but is not obligated to, notify the surety and request the surety's assistance in resolving the controversy.

*(Paragraph deleted)*

**§ 15.3 Mediation**

**§ 15.3.1** Claims, disputes, or other matters in controversy arising out of or related to the Contract, except those waived as provided for in Sections 9.10.4, 9.10.5, and 15.1.7, shall be subject to mediation as a condition precedent to binding dispute resolution.

**§ 15.3.2** The parties shall endeavor to resolve their Claims by mediation which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Mediation Procedures in effect on the date of the Agreement. A request for mediation shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the mediation. The request may be made concurrently with the filing of binding dispute resolution proceedings but, in such event, mediation shall proceed in advance of binding dispute resolution proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the parties or court order. If an arbitration is stayed pursuant to this Section 15.3.2, the parties may nonetheless proceed to the selection of the arbitrator(s) and agree upon a schedule for later proceedings.

**§ 15.3.3** Either party may, within 30 days from the date that mediation has been concluded without resolution of the dispute or 60 days after mediation has been demanded without resolution of the dispute, demand in writing that the other party file for binding dispute resolution. If such a demand is made and the party receiving the demand fails to file for binding dispute resolution within 60 days after receipt thereof, then both parties waive their rights to binding dispute resolution proceedings with respect to the initial decision.


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**§ 15.3.4** The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

**§ 15.4 Arbitration**

**§ 15.4.1** If the parties have selected arbitration as the method for binding dispute resolution in the Agreement, any Claim subject to, but not resolved by, mediation shall be subject to arbitration which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Arbitration Rules in effect on the date of the Agreement. The Arbitration shall be conducted in the place where the Project is located, unless another location is mutually agreed upon. A demand for arbitration shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the arbitration. The party filing a notice of demand for arbitration must assert in the demand all Claims then known to that party on which arbitration is permitted to be demanded.

**§ 15.4.1.1** A demand for arbitration shall be made no earlier than concurrently with the filing of a request for mediation, but in no event shall it be made after the date when the institution of legal or equitable proceedings based on the Claim would be barred by the applicable statute of limitations. For statute of limitations purposes, receipt of a written demand for arbitration by the person or entity administering the arbitration shall constitute the institution of legal or equitable proceedings based on the Claim.

**§ 15.4.2** The award rendered by the arbitrator or arbitrators shall be final, and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof.

**§ 15.4.3** The foregoing agreement to arbitrate and other agreements to arbitrate with an additional person or entity duly consented to by parties to the Agreement, shall be specifically enforceable under applicable law in any court having jurisdiction thereof.

**§ 15.4.4 Consolidation or Joinder**

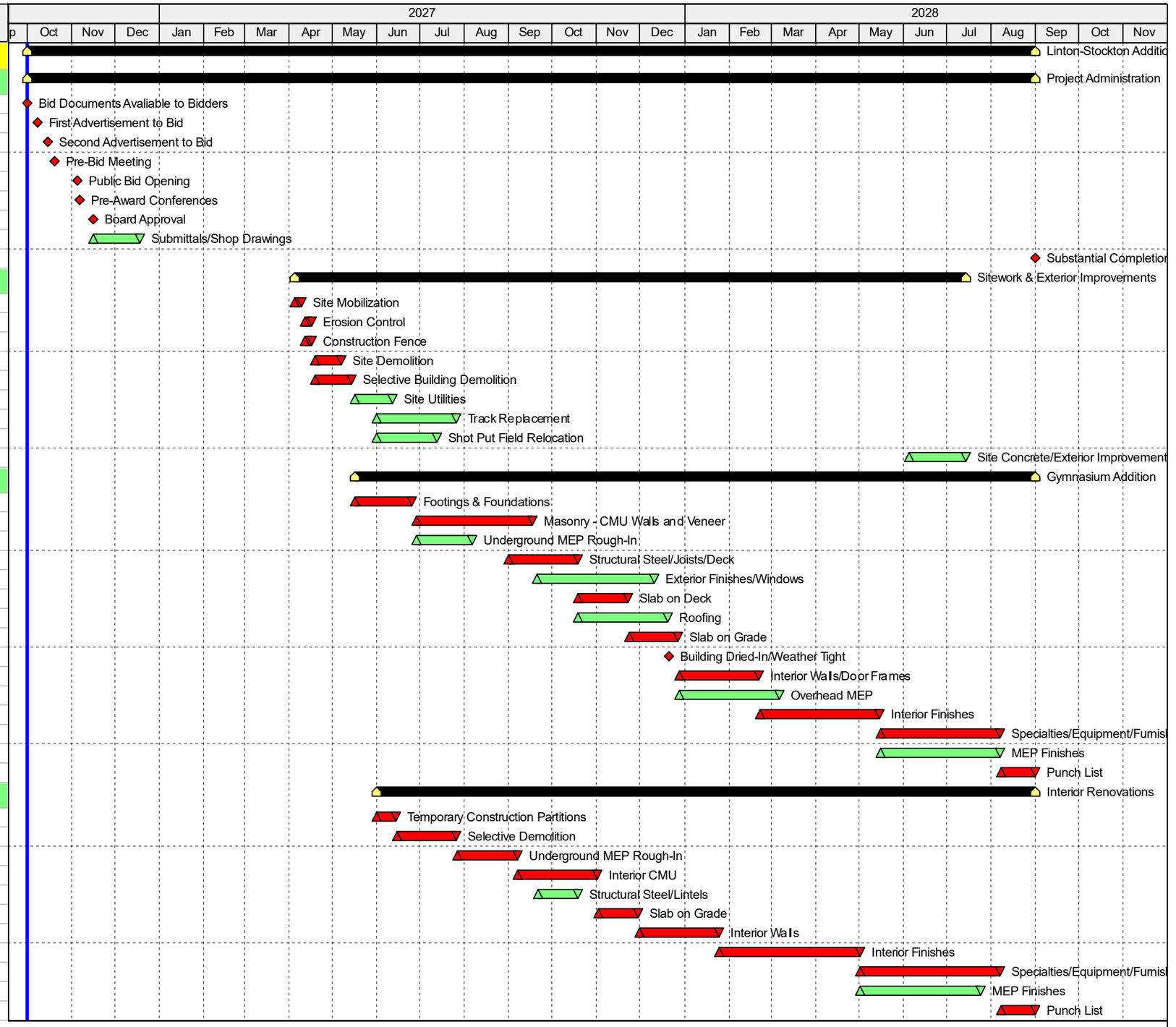
**§ 15.4.4.1** Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party may consolidate an arbitration conducted under this Agreement with any other arbitration to which it is a party provided that (1) the arbitration agreement governing the other arbitration permits consolidation, (2) the arbitrations to be consolidated substantially involve common questions of law or fact, and (3) the arbitrations employ materially similar procedural rules and methods for selecting arbitrator(s).

**§ 15.4.4.2** Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party may include by joinder persons or entities substantially involved in a common question of law or fact whose presence is required if complete relief is to be accorded in arbitration, provided that the party sought to be joined consents in writing to such joinder. Consent to arbitration involving an additional person or entity shall not constitute consent to arbitration of any claim, dispute or other matter in question not described in the written consent.

**§ 15.4.4.3** The Owner and Contractor grant to any person or entity made a party to an arbitration conducted under this Section 15.4, whether by joinder or consolidation, the same rights of joinder and consolidation as those of the Owner and Contractor under this Agreement.


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| Activity Name | Original Duration | Start | Finish |
|---|---|---|---|
| **Linton-Stockton Addition & Renovations** | 501 | 01-Oct-26 A | 31-Aug-28 |
| **Project Administration** | 501 | 01-Oct-26 A | 31-Aug-28 |
| Bid Documents Avaliable to Bidders | 0 | 01-Oct-26 A | |
| First Advertisement to Bid | 0 | 08-Oct-26* | |
| Second Advertisement to Bid | 0 | 15-Oct-26 A | |
| Pre-Bid Meeting | 0 | 20-Oct-26 A | |
| Public Bid Opening | 0 | | 05-Nov-26* |
| Pre-Award Conferences | 0 | 06-Nov-26* | |
| Board Approval | 0 | | 16-Nov-26* |
| Submittals/Shop Drawings | 25 | 16-Nov-26 | 18-Dec-26 |
| Substantial Completion | 0 | | 31-Aug-28 |
| **Sitework & Exterior Improvements** | 335 | 05-Apr-27 | 14-Jul-28 |
| Site Mobilization | 5 | 05-Apr-27* | 09-Apr-27 |
| Erosion Control | 5 | 12-Apr-27 | 16-Apr-27 |
| Construction Fence | 5 | 12-Apr-27 | 16-Apr-27 |
| Site Demolition | 15 | 19-Apr-27 | 07-May-27 |
| Selective Building Demolition | 20 | 19-Apr-27 | 14-May-27 |
| Site Utilities | 20 | 17-May-27 | 11-Jun-27 |
| Track Replacement | 40 | 01-Jun-27* | 26-Jul-27 |
| Shot Put Field Relocation | 30 | 01-Jun-27* | 12-Jul-27 |
| Site Concrete/Exterior Improvements | 30 | 05-Jun-28* | 14-Jul-28 |
| **Gymnasium Addition** | 339 | 17-May-27 | 31-Aug-28 |
| Footings & Foundations | 30 | 17-May-27 | 25-Jun-27 |
| Masonry - CMU Walls and Veneer | 60 | 28-Jun-27 | 17-Sep-27 |
| Underground MEP Rough-In | 30 | 28-Jun-27 | 06-Aug-27 |
| Structural Steel/Joists/Deck | 35 | 31-Aug-27 | 18-Oct-27 |
| Exterior Finishes/Windows | 60 | 20-Sep-27 | 10-Dec-27 |
| Slab on Deck | 25 | 19-Oct-27 | 22-Nov-27 |
| Roofing | 45 | 19-Oct-27 | 20-Dec-27 |
| Slab on Grade | 25 | 23-Nov-27 | 27-Dec-27 |
| Building Dried-In/Weather Tight | 0 | 21-Dec-27 | |
| Interior Walls/Door Frames | 40 | 28-Dec-27 | 21-Feb-28 |
| Overhead MEP | 50 | 28-Dec-27 | 06-Mar-28 |
| Interior Finishes | 60 | 22-Feb-28 | 15-May-28 |
| Specialties/Equipment/Furnishings | 60 | 16-May-28 | 07-Aug-28 |
| MEP Finishes | 60 | 16-May-28 | 07-Aug-28 |
| Punch List | 18 | 08-Aug-28 | 31-Aug-28 |
| **Interior Renovations** | 328 | 01-Jun-27 | 31-Aug-28 |
| Temporary Construction Partitions | 10 | 01-Jun-27* | 14-Jun-27 |
| Selective Demolition | 30 | 15-Jun-27 | 26-Jul-27 |
| Underground MEP Rough-In | 30 | 27-Jul-27 | 06-Sep-27 |
| Interior CMU | 40 | 07-Sep-27 | 01-Nov-27 |
| Structural Steel/Lintels | 20 | 21-Sep-27 | 18-Oct-27 |
| Slab on Grade | 20 | 02-Nov-27 | 29-Nov-27 |
| Interior Walls | 40 | 30-Nov-27 | 24-Jan-28 |
| Interior Finishes | 70 | 25-Jan-28 | 01-May-28 |
| Specialties/Equipment/Furnishings | 70 | 02-May-28 | 07-Aug-28 |
| MEP Finishes | 60 | 02-May-28 | 24-Jul-28 |
| Punch List | 18 | 08-Aug-28 | 31-Aug-28 |




Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

**224720 Linton-Stockton Addition & Renovations**
**Guideline Schedule**
**1 of 1**

The SKILLMAN Corporation
AN EMPLOYEE-OWNED COMPANY

**To:** Prospective Bidders

**From:** Wold VPS

**Date:** October 22, 2026

**Comm. No:** 260804037, 2024005

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**Subject:** Addendum No. 1 for Bidding Documents for the
**Linton-Stockton School Corporation**
**Linton-Stockton Jr. Senior. High School Additions and Renovations**
**Linton, Indiana**

**BIDS DUE NOVEMBER 5, 2026 AT 2:00 P.M.**

This addendum forms a part of the Contract Documents dated September 25, 2026. Acknowledge receipt of this Addendum on the space provided on the Bid Form. Failure to do so may result in disqualification of Bid.

This Addendum consists of three (3) typed sheets and attachments:
Specifications: 074213, 079500, 271513, 274116
Drawings: A1.01d, A2.01d, A2.01e, A2.01f, A2.02d, A4.801, A4.802, A5.101, A5.201, A5.202, A5.203, A5.204, A5.401, A5.501, A5.502, A5.601, A5.621, A5.801, A5.903, M-601, PP103, PR101, P-601, EP101, E-601, E-603

**PROJECT MANUAL**

1. **SPECIFICATION SECTION 074213 METAL WALL PANELS**
   A. Reissued this addendum.
2. **SPECIFICATION SECTION 079500 EXPANSION CONTROL**
   A. Reissued this addendum.
3. **SPECIFICATION SECTION 271513 COMMUNICATIONS COPPER HORIZONTAL CABLING**
   A. Reissued in its entirety this addendum.
4. **SPECIFICATION SECTION 274116 INTEGRATED AUDIO VIDEO SYSTEMS AND EQUIPMENT**
   A. Reissued in its entirety this addendum.

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**DRAWINGS**

1. **DRAWING A1.01d MAIN LEVEL DEMOLITION PLAN -AREA D**
   A. Reissued this addendum.
2. **DRAWING A2.01d MAIN LEVEL FLOOR PLAN -AREA D**
   A. Reissued this addendum.
3. **DRAWING A2.01e MAIN LEVEL FLOOR PLAN -AREA E**
   A. Reissued this addendum.
4. **DRAWING A2.01f MAIN LEVEL FLOOR PLAN -AREA F**
   A. Reissued this addendum.
5. **DRAWING A2.02d UPPER LEVEL FLOOR PLAN -AREA D**
   A. Reissued this addendum.
6. **DRAWING A4.801 DETAILS -INTERIOR OPENINGS**
   A. Reissued this addendum.
7. **DRAWING A4.802 DETAILS -INTERIOR OPENINGS**
   A. Reissued this addendum.
8. **DRAWING A5.101 EXTERIOR ELEVATIONS**
   A. Reissued this addendum.
9. **DRAWING A5.201 EXTERIOR WALL SECTIONS**
   A. Reissued this addendum.
10. **DRAWING A5.202 EXTERIOR WALL SECTIONS**
    A. Reissued this addendum.
11. **DRAWING A5.203 EXTERIOR WALL SECTIONS**
    A. Reissued this addendum.
12. **DRAWING A5.204 EXTERIOR WALL SECTIONS**
    A. Reissued this addendum.
13. **DRAWING A5.401 EXTERIOR ASSEMBLIES -WALLS**
    A. Reissued this addendum.
14. **DRAWING A5.501 EXTERIOR DETAILS - WALL**
    A. Reissued this addendum.
15. **DRAWING A5.502 EXTERIOR DETAILS - WALL**
    A. Reissued this addendum.
16. **DRAWING A5.601 EXTERIOR DETAILS - OPENINGS**
    A. Reissued this addendum.
17. **DRAWING A5.621 EXTERIOR DETAILS - OPENINGS (STOREFRONT)**
    A. Reissued this addendum.
18. **DRAWING A5.801 EXTERIOR DETAILS - PARAPETS**
    A. Reissued this addendum.
19. **DRAWING A5.903 EXTERIOR DETAILS - ROOF**
    A. Reissued this addendum.
20. **DRAWING M-601 MECHANICAL SCHEDULES**
    A. Reissued this addendum.

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21. **DRAWING PP103 PLUMBING UPPER LEVEL FLOOR PLAN - AREA D**
    A. Reissued this addendum.
22. **DRAWING PR101 PLUMBING ROOF PLAN - AREA D**
    A. Reissued this addendum.
23. **DRAWING P-601 PLUMBING DETAILS AND SCHEDULES**
    A. Reissued this addendum.
24. **DRAWING EP101 ELECTRICAL POWER MAIN LEVEL FLOOR PLAN -AREA D**
    A. Reissued this addendum.
25. **DRAWING E-601 ELECTRICAL LIGHTING SCHEDULES**
    A. Reissued this addendum.
26. **DRAWING E-603 ELECTRICAL PANELBOARD SCHEDULES**
    A. Reissued this addendum.

**END OF ADDENDUM #1**

## PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Steel faced wall panels.

B. Accessories including fasteners and perimeter trim.

C. Furring channels.

D. Ice and Watershield.

1.2 REFERENCES

A. American Architectural Manufacturers Association (AAMA)

1. AMA 501.2: Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls and Sloped Glazing Systems.

B. American Society of Civil Engineers (ASCE)

1. ASCE 7: Minimum Design Loads for Buildings and Other Structures.

C. ASTM International

1. ASTM A480: Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet and Strip.
2. ASTM A653: Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
3. ASTM A755: Standard Specification for Steel Sheet, Metallic Coated by the Hot-Dip Process and Prepainted by the Coil-Coating Process for Exterior Exposed Building Products
4. ASTM A792: Standard Specification for Steel Sheet, 55 percent Aluminum-Zinc Alloy-Coated by the Hot–Dip Process
5. ASTM A924: Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process
6. ASTM B117: Standard Practice for Operating Salt Spray (Fog) Apparatus
7. ASTM C273: Standard Test Method for Shear Properties of Sandwich Core Materials
8. ASTM C518: Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
9. ASTM D522: Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings
10. ASTM D523: Standard Test Method for Specular Gloss
11. ASTM D714: Standard Test Method for Evaluating Degree of Blistering of Paints
12. ASTM D968: Standard Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive
13. ASTM D1308: Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes

14. ASTM D1621: Standard Test Method for Compressive Properties of Rigid Cellular Plastics
15. ASTM D1622: Standard Test Method for Apparent Density of Rigid Cellular Plastics
16. ASTM D1623: Standard Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics
17. ASTM D1654: Standard Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments.
18. ASTM D1929: Standard Test Method for Determining Ignition Temperature of Plastics
19. ASTM D2126: Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging.
20. ASTM D2244: Standard practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates
21. ASTM D2247: Standard Practice for Testing Water Resistance of Coatings in 100 percent Relative Humidity
22. ASTM D2794: Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)
23. ASTM D3273: Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.
24. ASTM D3359: Standard Test Methods for Measuring Adhesion by Tape Test
25. ASTM D3363: Standard Test Method for Film Hardness by Pencil Test
26. ASTM D4145: Standard Test Method for Coating Flexibility of Prepainted Sheet
27. ASTM D4214: Standard Test Methods for Evaluating the Degree of Chalking of Exterior Paint Films
28. ASTM D5894: Standard Practice for Cyclic Salt Fog/UV Exposure of Painted Metal, (Alternating Exposures in a Fog/Dry Cabinet and a UV Condensation Cabinet)
29. ASTM D6226: Standard Test Method for Open Cell Content of Rigid Cellular Plastics.
30. ASTM E72: Standard Test Methods of Conducting Strength Tests of Panels for Building Construction
31. ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials
32. ASTM E90: Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
33. ASTM E283: Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
34. ASTM E331: Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
35. ASTM E413: Classification for Rating Sound Insulation
36. ASTM G153: Standard Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials
37. ASTM G154: Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials

D. FM Global (FM)

1. Approval Standard 4880; Class 1 Fire Rating of Insulated Wall or Wall and Roof/Ceiling Panels, Interior Finish Materials or Coatings, and Exterior Wall Systems.
2. Approval Standard 4881; Class 1 Exterior Wall Systems.

E. International Building Code (IBC): current edition

F. National Fire Protection Agency (NFPA)

1. NFPA 259: Standard Test Method for Potential Heat of Building Materials.

2. NFPA 285: Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components.

G. UL Canada (ULC) Approvals:

1. ULC-S101: Standard Methods of Fire Endurance Tests of Building Construction and Materials
2. ULC-S102: Standard Method of Test for Surface Building Characteristics of Building Materials and Assemblies
3. ULC-S127: Standard Corner Wall Method of Test for Flammability Characteristics of Non-Melting Building Materials

1.3 ADMINISTRATIVE REQUIREMENTS

A. Pre-installation meeting: Conduct a pre-installation meeting at the job site attended by Owner, Architect, Manufacturer's Technical Representative, Panel Installer, and Contractors of related trades. Coordinate structural support requirements in relation to insulated wall panel system, installation of any separate air/water barriers, treatment of fenestration, and other requirements specific to the project.

1.4 SUBMITTALS

A. Product Data: Submit manufacturer current technical literature for each type of product.

B. Shop Drawings: Submit detailed drawings and panel analysis showing:

1. Profile
2. Gauge of both exterior and interior sheet
3. Location, layout and dimensions of panels
4. Location and type of fasteners
5. Shape and method of attachment of all trim
6. Locations and type of sealants
7. Installation sequence
8. Coordination Drawings: Provide elevation drawings and building sections which show panels in relationship to required locations for structural support. Include panel details and details showing attachment to structural support.
9. Other details as may be required for a weathertight installation

C. Panel Analysis: Provide panel calculations to verify panels will withstand the design wind loads indicated without detrimental effects or deflection exceeding L/180. Include effects of thermal differential between the exterior and interior panel facings and resistance to fastener pullout.

D. Samples: Provide nominal 3 x 5 inch of each color indicated.

E. Quality Assurance Submittals

1. Design Data, Test Reports: Provide manufacturer test reports indicating product compliance with requirements.

2. Manufacturer Erection Instructions: Provide manufacturer's written installation instructions including proper material storage, material handling, installation sequence, panel location(s), and attachment methods, details and required trim and accessories.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Manufacturer shall have a minimum of five (5) years experience in the production of insulated wall panels. Manufacturer shall demonstrate past experience with examples of projects of similar type and exposure.

B. Installer Qualifications: Authorized by the manufacturer and the work shall be supervised by a person having a minimum of five (5) years experience installing insulated wall panels on similar type and size projects.

1.6 DELIVERY, STORAGE AND HANDLING

A. Refer to Section 016000 Product Requirements.

B. Deliver panel materials and components in manufacturer's original, unopened, undamaged packaging with identification labels intact.

C. Store wall panel materials on dry, level, firm, and clean surface. Stack no more than two bundles high. Elevate one end of bundle to allow moisture run-off, cover and ventilate to allow air to circulate and moisture to escape.

1.7 WARRANTY

A. Limited Warranty: Standard form in which manufacturer agrees to repair or replace items that fail in materials or workmanship within specified warranty period. The items covered by the warranty include bond integrity, deflection and buckling.

1. Warranty Period: Ten (10) years from date of Substantial Completion. All warranty information shall be submitted in electronic format to the Owner's Representative along with "hard" copies.

B. Finish Warranty: Standard form in which manufacturer agrees to repair or replace metal panels that evidence deterioration of fluoropolymer finish, including flaking or peeling from approved primed metal substrate, chalk in excess of 8 when tested in accordance with ASTM D4214, Method A, and /or color fading in excess of 5 $\Delta$E Hunter units on panels when tested in accordance with ASTM D2244.

1. Warranty Period: Twenty (20) years from date of Substantial Completion, or 20 years and 3 months from the date of shipment from manufacturer's plant, whichever occurs first.

**PART 2 - PRODUCTS**

2.1 MANUFACTURER

A. Kingspan Z-12 Concealed Fasteners Panels Ltd. Substitution Limitations:

1. Submit written request for approval of substitutions to the Architect. Include the following information:

   a. Name of the materials and description of the proposed substitute.
   b. Drawings, cut sheets, performance and test data.
   c. List of projects similar scope and photographs of existing installations.
   d. Test reports indicating compliance with the performance criteria.
   e. Other information necessary for evaluation.
   f. VPS Substitution Form.

2. After evaluation by Architect, approval will be issued via addendum. No verbal approval will be given.
3. Substitutions following award of contract are not allowed except as stipulated in Division 01 – General Requirements.

2.2 EXTERIOR WALL PANELS

A. Design Criteria:

1. Deflection criteria shall be L/180, equal to 200 inverted rib wall panel.

B. Performance Criteria:

1. Structural Test: Structural performance shall be verifiable by witnessed structural testing for simulated wind loads in accordance with ASTM E72. Deflection criteria shall be L/180.
2. ~~**Thermal Properties: The panel shall provide a minimum R-value of 15 (2 inch panel) deg. F·ft²·hr/BTU when tested in accordance with ASTM C518.**~~
3. Fatigue Test: There shall be no evidence of metal/insulation interface delamination when the panel is tested by simulated wind loads (positive and negative loads), when applied for two million alternate cycles of L/180 deflection.
4. Water Penetration: There shall be no uncontrolled water penetration through the panel joints at a pressure differential of 20 psf, when tested in accordance with ASTM E331.
5. Air Infiltration: Air infiltration through the panel shall not exceed 0.001 cfm/sf at 20 psf air pressure differential when tested in accordance with ASTM E283.
6. Panels shall have a minimum sound transmission coefficient (STC) of 22 when tested in accordance with ASTM E90 and rated in accordance with ASTM E413.
7. Humidity Test: Panels shall exhibit no delamination or metal interface corrosion when subjected to 158 deg. F temperature and 100 percent relative humidity for a total of 1200 hours (50 days).
8. Panel Fire Tests:

   a. Fire Endurance Test – 10 minutes: Panels remained in place without joint stitch fastening per ULC-S101.

C. Paint Finish Characteristics:

1. Gloss: 15 ± 5 measured at 60 degree angle tested in accordance with ASTM D523.
2. Pencil Hardness: HB-H minimum tested in accordance with ASTM D3363.
3. Flexibility, T-Bend: 1-2T bend with no adhesion loss when tested in accordance with ASTM D4145.
4. Flexibility, Mandrel: No cracking when bent 180 deg. around a 1/8 mandrel as tested in accordance with ASTM D522.
5. Adhesion: No adhesion loss tested in accordance with ASTM D3359.
6. Reverse Impact: No cracking or adhesion loss when impacted 3000 by inches of metal thickness (lb-in), tested in accordance with ASTM D2794.
7. Abrasion Resistance: Nominal 65 liters of falling sand to expose 5/32 inch diameter of metal substrate when tested in accordance with ASTM D968.
8. Graffiti Resistance: Minimal effect.
9. Acid Pollutant Resistance: No effect when subjected to 30 percent sulfuric acid for 18 hours, or 10 percent muriatic acid for 15 minutes when tested in accordance with ASTM D1308.
10. Salt Fog Resistance: Passes 1000 hours, when tested in accordance with ASTM B117 (5 percent salt fog at 95 deg. F).
11. Cyclic Salt Fog and UV Exposure: Passes 2016 hours when tested in accordance with ASTM D5894.
12. Humidity Resistance: Passes 1500 hours at 100 percent relative humidity and 95 deg. F, with a test rating of 10 when tested in accordance with ASTM D2247, and D714.
13. Color Retention: Passes 5000 hours when tested in accordance with ASTM G153 and G154.
14. Chalk Resistance: Maximum chalk is a rating of 8 when tested in accordance with ASTM D4214, Method A.
15. Color Tolerances: Maximum of 5ΔE Hunter units on panels when tested in accordance with ASTM D2244.

D. Exterior Aggregate Finish Characteristics:

1. Moisture Resistance: 14 days exposure with no deleterious effects when tested in accordance with ASTM D2247.
2. Salt Spray: 1000 hours, no deleterious effects when tested in accordance with ASTM B117.
3. Abrasion Resistance: 500 liters of sand, no deleterious effects when tested in accordance with ASTM D968.
4. Freeze/Thaw (60 cycles): No checking, cracking or splitting.
5. Mildew Resistance: No growth of mildew per ASTM D3273.
6. Flame Spread: less than 25, Class 1 rating when tested in accordance with ASTM E84.

E. Panel Assembly:

1. Product: Concealed Z-12 Series Wall Panels
2. Panel thickness: 1-1/2 inches thick
3. Panel width: 12 inches
4. Panel Lengths: As indicated on Drawings.
5. Panel Attachment: Consisting of fasteners and steel attachment clip completely concealed within the panel side joint.
6. Exterior Face of Panel:

    a. Material:

1) Steel coil material shall be in accordance with ASTM A755: AZ50 Galvalume®/ Zincalume® (55 percent aluminum, 45 percent zinc) in accordance with ASTM A792.
2) Gauge: 24 gauge

b. Profile:

1) Profile description – ~~**Z-12 Panel**~~ **Classic Z-12, F-12-2**.

c. Texture: Embossed
d. Exterior Paint Finish Color:

1) Color as selected by Architect.
2) Finish System:

a) 1.0 mil. Fluropolymer (PVDF) Two Coat system: 0.2 mil primer with 0.8 mil Kynar 500 (70 percent) SOLID color coat.

7. Interior Face of Panel:

a. Material:

1) Steel coil material shall be in accordance with ASTM A755: AZ50 Galvalume®/ Zincalume® (55 percent aluminum, 45 percent zinc) in accordance with ASTM A792.

~~**b. Profile:**~~

~~**1) Profile description - Minor Rib**~~

c. Texture: Non-directional stucco embossed
d. Gauge: 26 gauge
e. Interior Finish: modified polyester, dry film thickness of 1.0 mil including primer.

1) Color: Manufacturer's Standard

## 2.3 ICE AND WATERSHIELD

A. Install Ice and Watershield behind metal wall panels. Install and overlap Ice and Watershield against other building elements per drawings.

## 2.4 FURRING CHANNELS

A. Install 3/4 inch furring channel as indicated on drawings.

2.5 ACCESSORIES

A. Fasteners:

1. Self drilling fasteners shall be cadmium plated steel with neoprene washer, as recommended by manufacturer.
2. Material: Hex-head type with steel and neoprene washer and 12 gauge stainless steel clip supplied by the manufacturer.
3. Size: As recommended by manufacturer.

B. Perimeter Trim:

1. Fabricated perimeter trim, coping and metal flashing: Shall be same gauge, material and coating color as exterior face of insulated metal wall panel.
2. Extruded perimeter trim and coping: Shall be extruded aluminum 6063-T5 alloy with spray applied PVF coating in same color as exterior face of insulated metal wall panel.

C. Sealants: Butyl, non-skinning/curing type as recommended by manufacturer.

D. Butyl Tape: As recommended by manufacturer.

**PART 3 - EXECUTION**

3.1 EXAMINATION

A. Provide field measurements to manufacturer as required to achieve proper fit of the preformed wall panel envelope. Measurements shall be provided in a timely manner so that there is no impact to construction or manufacturing schedule.

B. Supporting Steel: All structural supports required for installation of panels shall be by others. Support members shall be installed within the following tolerances:

1. Plus or minus 1/8 inch in 5 feet in any direction along plane of framing.
2. Plus or minus 3/8 inch cumulative in 20 feet in any direction along plane of framing.
3. Plus or minus 3/4 inch from framing plane on any elevation.
4. Verify that bearing support has been provided behind horizontal joints of vertical panel systems and behind vertical joints of horizontal panel systems. Width of support shall be as recommended by manufacturer.

C. Examine individual panels upon removing from the bundle; notify manufacturer of panel defects. Do not install defective panels.

3.2 PANEL INSTALLATION

A. Installation shall be in accordance with manufacturer's installation guidelines and recommendations.

B. Install panels plumb, level, and true-to-line to dimensions and layout indicated on approved shop drawings.

C. Cut panels prior to installing, where indicated on shop drawings, using a power circular saw with fine tooth carbide tip blade per manufacturer's instructions. Personnel should wear respiratory and eye protection devices.

D. Butyl Weather Barrier Sealant:

1. Apply non-skinning butyl sealant as shown on shop drawings and manufacturer's installation instructions as necessary to establish the vapor barrier for the panels.
2. Use non-skinning butyl tube sealant only for tight metal-to-metal contact.
3. Do not use non-skinning butyl tube sealant to bridge gaps.

E. Place panel fasteners through pre-punched holes in attachment clips, concealed within the joint of the panel. Secure units to the structural supports. Space clips as recommended by manufacturer or otherwise indicated on the approved shop drawings.

## 3.3 TRIM INSTALLATION

A. Place trim and trim fasteners only as indicated per details on the approved shop drawings.

B. Field drill weep holes where appropriate in horizontal trim; minimum 1/4 inch diameter at 24 inches on center.

C. Place a continuous strip of butyl tube sealant between the inside back face of closure trims and interior panel faces for proper weather seal.

## 3.4 SEALANT INSTALLATION FOR EXPOSED JOINTS

A. Clean and prime surfaces to receive exterior exposed sealants in accordance with sealant manufacturer's recommendations.

B. Follow sealant manufacturer's recommendations for joint width-to-depth ratio, application temperature range, size and type of backer rod, and compatibility of materials for adhesion.

C. Direct contact between butyl and silicone sealants shall not be permitted.

## 3.5 FIELD QUALITY CONTROL

A. Testing Agency: General Contractor shall engage an independent testing and inspection agency acceptable to the architect to perform field tests and inspections and to prepare reports of findings.

B. Field Water Test: After completing portion of metal wall panel assembly including accessories and trim, test a 2-bay area selected by the architect for water penetration in accordance with AAMA 501.2.

3.6 CLEANING AND PROTECTION

A. Remove protective film immediately after installation.

B. Touch-up, repair or replace metal panels and trim that have been damaged.

C. After metal wall panel installation, clear weep holes and drainage channels of obstructions, dirt, and sealant.

D. Promptly after erection and installation, **completely** remove all dirt, mud, metal filings, metal shavings, debris, etc…from all surfaces and wipe clean.

**END OF SECTION 074213**

## 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:

1. Interior expansion control systems.
2. Exterior wall expansion control systems.

### 1.3 ACTION SUBMITTALS

A. Shop Drawings: For each expansion control system specified. Include plans, elevations, sections, details, splices, blockout requirement, attachments to other work, and line diagrams showing entire route of each expansion control system. Where expansion control systems change planes, provide isometric or clearly detailed drawing depicting how components interconnect.

B. Samples: For each exposed expansion control system and for each color and texture specified, full width by 6 inches (150 mm) long in size.

C. Product Schedule: Prepared by or under the supervision of the supplier. Include the following information in tabular form:

1. Manufacturer and model number for each expansion control system.
2. Expansion control system location cross-referenced to Drawings.
3. Nominal joint width.
4. Movement capability.
5. Classification as thermal or seismic.
6. Materials, colors, and finishes.
7. Product options.
8. Fire-resistance ratings.

### 1.4 INFORMATIONAL SUBMITTALS

A. Product Test Reports: For each fire barrier provided as part of an expansion control system, for tests performed by a qualified testing agency.

**PART 2 - PRODUCTS**

2.1 SYSTEM DESCRIPTION

A. General: Provide expansion control systems of design, basic profile, materials, and operation indicated. Provide units with capability to accommodate variations in adjacent surfaces.

1. Furnish units in longest practicable lengths to minimize field splicing. Install with hairline mitered corners where expansion control systems change direction or abut other materials.
2. Include factory-fabricated closure materials and transition pieces, T-joints, corners, curbs, cross-connections, and other accessories as required to provide continuous expansion control systems.

B. Coordination: Coordinate installation of exterior wall expansion control systems with roof expansion control systems to ensure that wall transitions are watertight. Roof expansion joint assemblies are specified elsewhere.

2.2 PERFORMANCE REQUIREMENTS

A. Fire-Resistance Ratings: Where indicated, provide expansion control systems with fire barriers identical to those of systems tested for fire resistance per UL 2079 or ASTM E 1966 by a testing and inspecting agency acceptable to authorities having jurisdiction.

1. Hose Stream Test: Wall-to-wall and wall-to-ceiling systems shall be subjected to hose stream testing.

B. Seismic Performance: Expansion control systems shall withstand the effects of earthquake motions determined according to ASCE/SEI 7.

1. The term "withstand" means "the system will remain in place without separation of any parts when subjected to the seismic forces specified and the system will be fully operational after the seismic event."
2. Component Importance Factor is 1.0.

2.3 INTERIOR EXPANSION CONTROL SYSTEMS

A. Manufacturers:

1. Balco.
2. InPro.
3. Nystrom.

B. Source Limitations: Obtain expansion control systems from single source from single manufacturer.

C. Wall-to-Wall:

1. Basis-of-Design Manufacturer: Balco.
2. Design Criteria:

    a. Nominal Joint Width: As indicated on Drawings.
    b. Movement Capability: +/-50 to +/- 100 percent.
    c. Type of Movement: Thermal.
    d. Fire-Resistance Rating: Provide expansion control system and fire-barrier assembly with a rating not less than that of adjacent construction.

3. Type: Surface Mount Glide Plate Series.

    a. Material: Aluminum, clear anodic Class II finish.

    b. Wall to Wall Assembly, 50% movement up to 2".

        1) Balco 6TW-2.
        2) InPro J300-A07-050.
        3) Nystrom EJN-NBW-200.

    c. Wall to Corner Assembly, 50% movement up to 2".

        1) Balco 6TWC-2.
        2) InPro J300-A09-050.
        3) Nystrom EJN-NBWw-200.

4. Type: Elastomeric Face Seal Series.

    a. Material: Silicone or santoprene.
    b. Finish Color: As selected by Architect from manufacturer's full range.
    c. Wall to Wall Assembly, 50% movement up to 2".

        1) Balco CE-200SX.
        2) InPro J611-07-050.
        3) Nystrom EJN-LCWF-200.

D. Floor to Floor:

1. Basis-of-Design Manufacturer: Balco.
2. Design Criteria:

    a. Nominal Joint Width: As indicated on Drawings.
    b. Movement Capability: +/-50 percent.
    c. Type of Movement: Thermal.
    d. Fire-Resistance Rating: Provide expansion control system and fire-barrier assembly with a rating not less than that of adjacent construction.

3. Type: Recessed.

    a. Material: Aluminum, mill finish.

b. Floor to Floor Assembly, 50% movement up to 2" (carpet).

1) Balco 6FC-2M.
2) InPro J300-A01-050.
3) Nystrom EJN-NBR-200.

c. Floor to Floor Assembly, 50% movement up to 2" (resilient tile).

1) Balco 6FTP-2M.
2) InPro J304-A01-025.
3) Nystrom EJN-NBR-200.

d. Floor to Floor Assembly, 50% movement up to 2" (2-hour rated).

1) Balco 2H6FTP-1-2M / MPFV2H.
2) InPro J304-A01-025 / Fireline 520.
3) Nystrom EJN-2HNBR-100 / EJ-FLF.

E. Ceiling-to-Ceiling/Ceiling-to-Wall:

1. Basis-of-Design Manufacturer: Balco.
2. Design Criteria:

a. Nominal Joint Width: As indicated on Drawings.
b. Movement Capability: +/-25 percent.
c. Type of Movement: Thermal.
d. Fire-Resistance Rating: Provide expansion control system and fire-barrier assembly with a rating not less than that of adjacent construction.

3. Type: Flat seal.

a. Metal: Aluminum.

1) Finish: Manufacturer's standard White.

b. Seal Material: Santoprene.

1) Color: As selected by Architect from manufacturer's full range.

4. Acoustical Lay-in Ceilings

a. Ceiling to Ceiling Assembly, 50% movement up to 2".

1) Balco ACWW-2.
2) InPro J115-A24-050.
3) Nystrom EJN-LCE-200.

b. Ceiling to Wall Assembly, 50% movement up to 2".

1) Balco ACWWL-2.

2) InPro J115-A18-050.
3) Nystrom EJN-LCEw-200.

5. Gypsum Board Ceilings

a. Ceiling to Ceiling Assembly, 50% movement up to 2".

1) Balco 75FWG-2.
2) InPro J113-A07-050.
3) Nystrom EJN-LCW-200.

b. Ceiling to Corner Assembly, 50% movement up to 2".

1) Balco 75FWGC-2.
2) Inpro J113-A09-050.
3) Nystrom EJN-LCWw-200.

## 2.4 EXTERIOR WALL EXPANSION CONTROL SYSTEMS

A. Manufacturers:

1. Balco.
2. InPro.
3. Nystrom.

B. Source Limitations: Obtain expansion control systems from single source from single manufacturer.

C. Preformed Cellular Foam Systems:

1. Basis-of-Design Manufacturer: Balco.
2. Design Criteria:

a. Nominal Joint Width: As indicated on Drawings.
b. Movement Capability: +/-100 percent.
c. Type of Movement: Thermal.
d. Material: Manufacturer's standard open cell foam.
e. Color: As selected by Architect from manufacturer's full range.

3. Wall to Wall Assembly, 100% movement up to 2"

a. Balco BCSW-200.
b. InPro J1200-200.
c. Nystrom EJN-SES-200.

D. Metal Cover Systems

1. Basis-of-Design Manufacturer: Balco.
2. Design Criteria:

a. Nominal Joint Width: As indicated on Drawings.
b. Movement Capability: +/-100 percent.
c. Type of Movement: Thermal.
d. Material: Aluminum cover with 45 mil EPDM water barrier, mastic to provide water tight seal.
e. Color: Mill finish.

3. Wall to Wall Assembly, 100% movement up to 2".

a. Balco 9W-2.
b. InPro J651-A07-100.
c. Nystrom EJN-RJX-200.

4. Wall to Wall Assembly, 100% movement up to 2".

a. Balco 9WC-2.
b. InPro J651-A09-100.
c. Nystrom EJN-RJXqw-200.

2.5 MATERIALS

A. Aluminum: ASTM B 221 (ASTM B 221M), Alloy 6063-T5 for extrusions; ASTM B 209 (ASTM B 209M), Alloy 6061-T6 for sheet and plate.

1. Apply manufacturer's standard protective coating on aluminum surfaces to be placed in contact with cementitious materials.

B. Elastomeric Seals: ASTM E 1783; preformed elastomeric membranes or extrusions to be installed in metal frames.

C. Compression Seals: ASTM E 1612; preformed elastomeric extrusions having an internal baffle system and designed to function under compression.

D. Cellular Foam Seals: Extruded, compressible foam designed to function under compression.

E. Fire Barriers: Any material or material combination, when fire tested after cycling, designated to resist the passage of flame and hot gases through a movement joint and to meet performance criteria for required fire-resistance rating.

F. Nonmetallic, Shrinkage-Resistant Grout: ASTM C 1107/C 1107M, factory-packaged, nonmetallic aggregate grout, noncorrosive, nonstaining, mixed with water to consistency suitable for application and a 30-minute working time.

G. Accessories: Manufacturer's standard anchors, clips, fasteners, set screws, spacers, and other accessories compatible with material in contact, as indicated or required for complete installations.

2.6 GENERAL FINISH REQUIREMENTS

A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.7 ALUMINUM FINISHES

A. Clear Anodic Finish: AAMA 611, AA-M12C22A41, Class II or thicker.

**PART 3 - EXECUTION**

3.1 EXAMINATION

A. Examine surfaces where expansion control systems will be installed for installation tolerances and other conditions affecting performance of work.

1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Prepare substrates according to expansion control system manufacturer's written instructions.

B. Coordinate and furnish anchorages, setting drawings, and instructions for installing expansion control systems. Provide fasteners of metal, type, and size to suit type of construction indicated and to provide for secure attachment of expansion control systems.

C. Cast-In Frames: Coordinate and furnish frames to be cast into concrete.

3.3 INSTALLATION

A. Comply with manufacturer's written instructions for storing, handling, and installing expansion control systems and materials unless more stringent requirements are indicated.

B. Metal Frames: Perform cutting, drilling, and fitting required to install expansion control systems.

1. Install in true alignment and proper relationship to joints and adjoining finished surfaces measured from established lines and levels.

2. Adjust for differences between actual structural gap and nominal design gap due to ambient temperature at time of installation. Notify Architect where discrepancies occur that will affect proper expansion control system installation and performance.
3. Cut and fit ends to accommodate thermal expansion and contraction of metal without buckling of frames.
4. Repair or grout blockout as required for continuous frame support using nonmetallic, shrinkage-resistant grout.
5. Install frames in continuous contact with adjacent surfaces.

    a. Shimming is not permitted.

6. Locate anchors at interval recommended by manufacturer, but not less than 3 inches (75 mm) from each end and not more than 24 inches (600 mm) o.c.

C. Seals in Metal Frames: Install elastomeric seals and membranes in frames to comply with manufacturer's written instructions. Install with minimum number of end joints.

1. Provide in continuous lengths for straight sections.
2. Seal transitions according to manufacturer's written instructions. Vulcanize or heat-weld field-spliced joints as recommended by manufacturer.
3. Installation: Mechanically lock seals into frames or adhere to frames with adhesive or pressure-sensitive tape as recommended by manufacturer.

D. Foam Seals: Install with adhesive recommended by manufacturer.

E. Terminate exposed ends of expansion control systems with field- or factory-fabricated termination devices.

F. Fire-Resistance-Rated Assemblies: Coordinate installation of expansion control system materials and associated work so complete assemblies comply with assembly performance requirements.

1. Fire Barriers: Install fire barriers to provide continuous, uninterrupted fire resistance throughout length of joint, including transitions and field splices.

## 3.4 PROTECTION

A. Do not remove protective covering until finish work in adjacent areas is complete. When protective covering is removed, clean exposed metal surfaces to comply with manufacturer's written instructions.

B. Protect the installation from damage by work of other Sections. Where necessary due to heavy construction traffic, remove and properly store cover plates or seals and install temporary protection over expansion control systems. Reinstall cover plates or seals prior to Substantial Completion of the Work.

**END OF SECTION 079500**

## PART 1 - GENERAL

1.1 DESCRIPTION

A. Horizontal cabling is the portion of the UTP cabling system that extends from the work areas to the Equipment Room (MDF/ER) or Telecommunications Room (TR/IDF). The horizontal cabling shall be configured in a star topology, and include the horizontal cables, the mechanically terminated jacks/inserts and the faceplates in the work areas.

B. Locations of device drops are shown on T-Series drawings.

C. This section includes minimum requirements for the following:

1. Category 6a UTP Cable from ER/TR to Telecommunications Outlets.
2. Category 6 Extended Reach UTP Cable from ER/TR to Telecommunications Outlets.
3. Installation, Termination, and Testing Methods.

D. Related Sections include the following:

1. 270553 – Identification for Communication Systems
2. 271116 – Communications Cabinets, Racks, Frames and Enclosures
3. 271119 – Communications Termination Blocks and Patch Panels
4. 271543 – Communications Faceplates and Connectors

1.2 QUALITY ASSURANCE

A. All telecommunications equipment and cabling shall be installed in a neat and workmanlike manner. All methods of construction that are not specifically described or indicated in the Contract Documents shall be subject to the approval of the design team and Owners Representative. Equipment and materials shall be of the quality and manufacturer indicated. The equipment specified is based on the acceptable manufacturers listed.

B. Materials and work specified herein shall comply with the requirements of the local Authority Having Jurisdiction. Refer to Section 270500 for all applicable standards and codes.

C. Strictly adhere to all Category 6a installation practices when installing UTP data cabling.

D. All connecting equipment shall be from the same manufacturer.

1.3 SUBMITTALS

A. Contractor shall provide all submittals according to Section 270500.

## PART 2 - PRODUCTS

2.1 CATEGORY 6A HORIZONTAL COPPER CABLING

A. In accordance with ANSI/TIA 568D.2 all horizontal data cable shall be:

1. UL listed, 4-pair 100 ohm, UTP, minimum Category 6a compliant
2. Conductors shall be minimum of 23 AWG, solid bare annealed copper.
3. Maximum overall cable diameter shall be 0.280 inches.
4. Cable shall be insulated with FEP material.
5. Cable shall be NEC CMP rated.
6. Cable shall be Indoor/Outdoor plenum rated if installed in the following locations:
   a. Floor boxes within slab on grade or below grade
   b. Exterior of the building envelope

B. Cable shall be sequentially marked at 2-foot intervals.

C. Cable pairs shall be color coded:

1. Pair 1- White/Blue and Blue.
2. Pair 2- White/Orange and Orange
3. Pair 3- White/Green and Green
4. Pair 4- White/Brown and Brown

D. Jacket colors shall be as follows:

1. Data – Blue
2. Video Security/Electronic Access Control - Green
3. Wireless Access Points – Yellow
4. Indoor/Outdoor - Black

E. Acceptable Manufacturers:

1. Belden
2. Berk-Tek
3. Commscope
4. General Cable
5. Hubbell
6. Panduit
7. Superior Essex
8. Or Approved Equal

2.2 CATEGORY 6 EXTENDED DISTANCE HORIZONTAL COPPER CABLING

A. In accordance with ANSI/TIA 568.2 all horizontal extended distance data cable shall be:
1. Limited to use for device locations on the T-Series plans where the permanent link cabling will be installed beyond the 90m (295 ft) limit.
2. UL listed, 4-pair 100 ohm, UTP, minimum Category 6 compliant
3. Conductors shall be minimum of 22 AWG, solid bare annealed copper.
4. Maximum overall cable diameter shall be 0.30 inches.
5. Cable shall be insulated with FEP material.
6. Cable shall be NEC CMP rated.
7. Cable shall be Indoor/Outdoor plenum rated if installed in the following locations:

a. Floor boxes within slab on grade or below grade
b. Exterior of the building envelope

B. Cable shall be sequentially marked at 2-foot intervals.

C. Cable pairs shall be color coded:

1. Pair 1- White/Blue and Blue.
2. Pair 2- White/Orange and Orange
3. Pair 3- White/Green and Green
4. Pair 4- White/Brown and Brown

D. Jacket colors shall be as follows:

1. Data – Blue
2. Video Security/Electronic Access Control - Green
3. Wireless Access Points – Yellow
4. Indoor/Outdoor - Black

E. Acceptable Manufacturers:
1. Belden
2. Berk-Tek
3. CommScope
4. General Cable
5. Hubbell
6. Panduit
7. Superior Essex
8. Or Approved Equal

**PART 3 - EXECUTION**

3.1 GENERAL

A. All cabling shall be installed according to ANSI/TIA specifications and BISCI standards.

B. All horizontal cabling shall be terminated on patch panels and jacks as noted above.

C. Provide a minimum of 10 feet of cable slack at both ends of the horizontal cables to accommodate future cabling system changes.

1. At the station end of the cabling run, the service loop shall be stored above the ceiling line at an accessible point and supported with an approved device designed for that purpose.
2. Within a telecommunications room, the service loop shall be stored within the ladder tray.

D. All patch panels, cables, jacks, system components, etc. shall be labeled according to ANSI/TIA-606-B specifications and in coordination with the owner and design team.

E. All horizontal cables shall be equipped with a self-laminating, wrap-around, machine printed label at both ends of the cable.

F. All patch panels shall be equipped with pre-printed, cable identification designation strips installed behind clear plastic label holders on the front of the patch panel.

G. All modular faceplates shall be equipped with a pre-printed, cable identification strip, installed behind a clear plastic label holder.

H. Painting of the structured cabling voids the warranty. Cable shall not be painted.

3.2 HORIZONTAL COPPER CABLING

A. Before the installation of Horizontal Cabling is allowed to begin, the Contractor must provide a mock-up of the labeling and wiring to a sample faceplate and patch panel.

1. The mock-ups must be reviewed by an appropriate representative of the Owner and approved prior to performing any final wiring required by the project documents.

B. Installation of Horizontal Copper Cabling

1. 4-pair UTP cables should withstand 25 foot-pounds of pulling pressure. This number shall be verified by the wire manufacturer.

a. Maximum cable length is limited to 90 meters (295 feet) from the jack to the patch panels.
1) Cable length is permitted to extend beyond the 90 meter limit from the jack to the patch panel. Contractor shall use the approved extended distance cable and connector for the device location. Contractor shall confirm with the cable and connector manufacturer to confirm installed cabling does not exceed supported distances and applications for each location.
b. Comply with ANSI/TIA/EIA-569 standard regarding the requirements and recommendations for separation of copper telecommunication cabling from sources of electromagnetic interference.
c. The Contractor shall replace any damaged cable at no expense to the Owner. No repair will be allowed on damaged cables.

2. Cabling shall be terminated at the station jack and at the equipment room as indicated in ANSI-TIA-EIA-568, wiring configuration T568B.

a. The modular faceplate at the user end shall be equipped with inserts for communication services as indicated on T-series drawings.
b. Station cable in the TR shall be terminated on Category 6a patch panel located in the equipment racks.
c. The minimum bend radius of 6a UTP cable shall not be smaller than four (4) times the diameter of the jacketed cable, and shall not cause the cable jacket to buckle.
d. Route cables from the back of the patch panel through its coupler openings and loosely attach them to the wire manager with Velcro cable ties, leaving enough slack for re-termination at a future date.
e. Remove only as much jacketing as needed to terminate properly to the connecting hardware, keeping the amount of jacketing removed to an absolute minimum.
f. Do not untwist pairs more than 0.5 inches.
g. Visually inspect cable pairs for bare wire and other defects before terminating wires.

h. Once all of the cables have been terminated, dress the cable slack behind the panel with Velcro tie wraps tightened to a snug but not compressing fit.

C. Testing of Horizontal Copper Cabling

1. Perform visual inspection to ensure that all cables are terminated on the eight position station jacks on both ends in proper color code order.
2. All terminated cabling runs shall be 100% tested for defects in installation and to verify cabling system performance under installed conditions according to the requirements found in the TIA/EIA-568-C series of standards. All pairs in each installed cable shall be verified prior to system acceptance. Any defect in the cabling system installation, including (but not limited to) cables, connectors, patch panels, and cordage shall be repaired or replaced in order to ensure 100% usability of all installed runs.
3. All balanced twisted-pair cable links shall be tested for basic continuity and length, as indicated below. Of the parameters listed, it is understood that PSANEXT cannot be tested using current field test equipment.
4. Continuity – Each pair in every installed cabling run shall be tested using a test set that detects and identifies opens, shorts, polarity and pair reversals, crossed pairs, and split pairs. The results shall be recorded as Pass/Fail (as indicated by the test set) and referenced to the appropriate cable identification number and circuit/pair number. Any fault shall be corrected, and the run re-tested prior to final acceptance.
5. Length – Every installed cabling run shall be tested for installed length using a time domain reflectometer (TDR) device. The cable length shall not exceed 90m (295 ft). The cable length shall be recorded, referencing the cable identification number and circuit/pair number.
   a. Extended distance cale testing shall be performed as required by the cabling and connector manufacturer. The following are the supported extended distance:
      1) 1000BASE-T to minimum 155 meters (508 feet)
      2) 2.5 Gbps to minimum 140 m (459 ft)
      3) 5 Gbps to minimum 110 m (360 ft)
6. Category 6a performance testing shall be done according to the published standards.
7. The approved handheld tester will have the capability to be programmed with current Category 6a requirements as specified in ANSI/TIA/EIA-568 standards.
8. Documentation will include cable ID (same as jack ID) to be marked on the punch down blocks and patch panels in the telecommunication closet, station jack ID to be marked on the station jack and results of the testing done with the cable analyzer.
9. Test results shall be stored on a physical storage medium such as a CD, DVD, or thumb drive and delivered to the Owners representative.
10. Analyzer documentation will also need to be in “pdf”, “csv”, or “dat” format.

    a. Results must be labeled using the telecommunications outlet labeling scheme for the project.

11. Test results shall be verified by the designated Owners personnel as part of the inspection and acceptance procedure.

3.3 WARRANTY AND CERTIFICATION

A. System shall be certified under the selected manufacturers’ application assurance warranty. Warranty shall be by the manufacturer and contractor, for a period of at least 25 years on the horizontal cabling; including patch panels, patch cables, terminations and labor. The remaining portions of the system shall be warranted for a period of one (1) year from the date of substantial completion.

B. The manufacturer of the cable and manufacturer of the connectivity products must have an agreement in place.

**END OF SECTION 271513**

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## PART 1 - GENERAL

1.1 SCOPE OF WORK

A. This section includes the minimum requirements for the installation, configuration, and training of the audio-visual components as depicted on the Drawings and required by these specifications.

B. These Specifications, together with the Drawings accompanying them, are intended to depict the installation requirements necessary to support this Project. Contractor shall furnish materials shown and/or called for on the Drawings but not mentioned in the Specifications, or vice versa, that are necessary for the installation and support of communications cabling, whether specifically called for in both. In addition, Contractor shall provide incidental equipment and materials required for the completion of systems included in this contract whether specified or shown on the drawings or not.

C. All required cabling infrastructure including back boxes and conduit to support the AV systems are provided and installed by others. Contractor is required to provide, install, test, and configure all cabling, equipment, and AV systems as described within this specification and as shown on the T-series drawings.

D. This section includes minimum requirements for the following:

1. AUDIO RELAY
2. AV DECODER
3. AV ENCODER TYPE 1
4. AV ENCODER TYPE 2
5. AV EQUIPMENT RACK TYPE 1
6. AV EQUIPMENT RACK TYPE 2
7. AV NETWORK SWITCH
8. CLASSROOM AV TRANSMITTER
9. DIGITAL SIGNAL PROCESSOR TYPE 1
10. EQUIPMENT RACK BLANKS
11. EQUIPMENT RACK VENTS
12. EQUIPMENT RACK SHELVES
13. EQUIPMENT RACK DRAWERS
14. FLAT PANEL DISPLAY
15. LAT PANEL DISPLAY WALL MOUNT
16. FLAT PANEL DISPLAY CEILING MOUNT
17. HEARING ASSISTANCE SYSTEM
18. INTERACTIVE FLAT PANEL DISPLAY
19. LAPTOP
20. LOUDSPEAKER TYPE 1
21. LOUDSPEAKER TYPE 2
22. LOUDSPEAKER TYPE 3
23. LOUDSPEAKER TYPE 4
24. SPEAKER RIGGING COMPONENTS
25. MEDIA PLAYER
26. MIC/LINE INTERFACE

27. POWER AMPLIFIER TYPE 1
28. POWER AMPLIFIER TYPE 2
29. POWER AMPLIFIER TYPE 4
30. POWER SEQUENCING SYSTEM
31. QUAD MONITOR ADAPTOR
32. STEREO TO MONO ADAPTOR
33. TOUCH PANEL
34. WIRELESS MICROPHONE ANTENNA DISTRIBUTION
35. WIRELESS MICROPHONE SYSTEM

1.2 QUALITY ASSURANCE

A. The following industry Standards are the basis for the audio-visual system described herein. The list is incorporated by this reference to them.

1. ANSI - American National Safety Institute
2. ASTM - American Society of Testing and Materials
3. EIA - Electronics Industries Association
4. FCC - Federal Communications Commission
5. NEMA - National Electrical Manufacturer's Association
6. OSHA - Occupational Safety and Health Administration
7. NEC - National Electric Code.
8. NFPA - National Fire Protection Association.
9. IEEE - Institute of Electrical and Electronics Engineers.
10. ISO - International Standards Organization.
11. UL - Underwriters Laboratories
12. Davis and Davis, Sound System Engineering (2nd Edition), Howard W. Sams, 1987
13. Giddings, Audio System Design and Installation (ASDI), Howard W. Sams, 1990

B. All cable and equipment shall be installed in a neat and workmanlike manner. All methods of construction that are not specifically described or indicated in the contract documents shall be subject to the control and approval of the Design 27 Project Manager. Equipment and materials shall be of the quality and manufacturer indicated. The equipment specified is based upon the acceptable manufacturers listed. Where "Or equal" is stated, equipment shall be equivalent in every way to that of the equipment specified and subject to approval.

C. Materials and work specified herein shall comply with the requirements of the local Authority Having Jurisdiction.

D. Contractor should have the following qualifications:

1. Experienced in the installation of systems similar in complexity and scale to those included within the scope of work. If requested, the Contractor shall provide the names, locations, and points of contact for at least three installations of the type and complexity specified herein.

2. Within the last two (2) years, installed an audio-visual system with similar equipment and functionality.
3. Have at least one (1) person on staff with CTS-I certification.

1.3 SUBMITTALS

A. As part of this specification section, Contractor shall be responsible for providing the following submittals.

1. Manufacturer Product Data
2. Pre-Installation Shop Drawings
3. User Interface Submittal
4. As-Built Drawings
5. Configuration files and Source Code

B. Manufacturer Product Data - The Contractor shall provide manufacturers' catalog sheets, specifications, and installation instructions for all products to be installed within the scope of work. This is to verify that the submitted components comply with the Contract Documents. Submittals shall be formatted as follows.

1. Submit only products that appear in this section or that are required for a complete installation relating to the products in this section. Submission of products from multiple sections will be cause for rejection of submittal without review and subject to reformatting and resubmittal by Contractor.
2. Each product intended to be used shall be included one time only. Do not submit similar products multiple times.
3. Submittal shall include an index with page(s) listed in order of specification within corresponding section, with subsection number and generic name correlated to product submitted. Sheet index and/or product data sheets organized alphabetically, randomly or in any manner which does not match the specification order will be cause for rejection of submittal without review and subject to reformatting and resubmittal by Contractor.
4. Following index sheet, include Manufacturer specification sheet stapled in order of properly organized index.

    a. Where multiple products exist on a single sheet, Contractor shall clearly indicate whether with highlight, arrow, PDF stamp, etc. the product intending to be used.
    b. Failure to indicate specific product to be used will be cause for marking submittal Revise and Resubmit.

C. Pre-Installation Shop Drawings – Prior to the start of field work the Contractor shall provide pre-installation shop drawings noting the intended installation means and methods for this scope of work. This is to ensure the Contractor understands the scope of work and to provide the field installation teams with all information necessary for successful implementation.

1. Drawings shall be created using modeling software, such as Autodesk AutoCAD. In addition, they shall be exported in PDF format for review by the designer and Owner.

2. Drawings shall contain floor plans, RCPs (if applicable), section views, and details illustrating equipment location, including but not limited equipment racks, IR amplifiers, projection screens, connection panels, flat panel displays, and loudspeakers. Drawings shall be at no less than 1/8"=1'-0" scale.
3. Detailed wiring diagrams showing the interconnection between equipment devices. This shall include cable labeling, cable types, connector types and termination details, wiring color codes, and equipment manufacturer and models. Note cabling provided by Others. Diagrams included as part of Construction Documents are included to convey design intent and are not acceptable for use in Pre-Installation Shop Drawings and will be cause for rejection.
4. Loudspeaker, video projector, projector lift, and projection screen mounting details, including hardware type, material, and load capacity. For all equipment mounted overhead, mounting details and design calculations shall be signed and sealed by a professional structural engineer currently licensed to practice in the State of the work to be performed. The details included in the Construction Documents are included to convey design intent and are not acceptable for use in Pre-Installation Shop Drawings and will be cause for rejection.
5. Dimensioned plate and panel details that are custom for the project. Details shall include dimensioned locations of components, component type, engraving information, bill of materials, and plate finish and color. If custom part numbers are generated by a manufacturer, they shall be included on the plate details.
6. Rack elevations showing equipment layout within racks with dimensions. The Contractor shall allocate space in the rack for all equipment that will ultimately be installed within, including all Owner Furnished equipment where applicable.
7. Wiring schedule showing the source and destination of wiring and indicating whether the wire is in conduit or cable tray.

D. User Interface Submittals – The Contractor shall provide user interface submittals to convey the look and feel of user interfaces along with intended functionality. This is to ensure the Contractor understands the scope of work and to streamline the programming process prior to field installation.

1. Submit within 14 days of Pre-Installation Shop Drawing submittal.
2. Submit individual PDF files with screenshots of touch panels to be configured for the project.

    a. In text below screenshot, describe what pressing each button will accomplish in the program.
    b. Include both what users would experience in the room as well as on the touch panel. Ex. “Pressing Power On will turn on projector, lower projector screen and take users to the [SOURCES] page of touch panel.
    c. Where identical buttons exist on multiple pages, describe their function only once.

3. If button panels with user replaceable or custom buttons are included in project scope, submit PDF screenshot of proposed button configuration.

a. In text below screenshot, describe what pressing each button will accomplish in the program.

E. As-Built Drawings - The Contractor shall provide Final documentation noting the actual installed conditions for this scope of work. This is to provide the Owner with accurate historical data of the project for future reference. As-Built Drawings shall be submitted during project close-out for inclusion in the O&M manual. Submittals shall be formatted as follows.

1. Submit one (1) PDF set of redlined Contractor generated As-Built Drawings. The Owner reserves the right to request an electronic copy of the shop drawings in both Autodesk CAD (.DWG) format and PDF format.
2. As-Built Drawings that utilize the Contract Documents as a base, shall be inclusive of all Published Addendums, ASIs, Accepted PCOs, PRs, SIs, etc. Changes made via RFI or Field Directive that were not published changes to the Contract Drawings shall be noted as such on the As-Builts with the noted RFI or FD #.
3. All text notes included on As-Builts shall be easily legible on PDF. Handwritten notes that are not legible shall be replaced with PDF text.
4. Include equipment manufacturer/model as installed in the field.
5. Include revised functional diagrams based on those submitted and approved during the Pre-Installation Shop Drawing submittal.

F. Configuration Files and Source Code – The Contractor shall provide the final equipment configuration files and Source Code installed on the project. These files shall be submitted concurrently with As-Built Drawings.

1. Include configuration files for all equipment, including but not limited to, digital signal processors, video switchers, control processors, amplifiers, etc. Owner notes that any changes made during the warranty period not completed by the Contractor will void the system warranty.
2. Include any passwords that may have been created that are required to access equipment. Owner notes that any changes made during the warranty period not completed by the Contractor will void the system warranty.
3. Contractor is not required to provide manufacturer software used for configuration.

    a. Include any control processor source code in its uncompiled format. Owner notes that any changes made during the warranty period not completed by the Contractor will void the system warranty.

1.4 CLOSE-OUT DOCUMENTS

A. Provide close-out documents in accordance with the General Conditions unless otherwise indicated:

1. Provide the following for products incorporated into the final installation:

a. Manufacturer's data for each type of product. Include manufacturer's serial numbers within the list of product.
b. Each products Owner/Instruction Manual. Provide high quality copies where necessary, with legible text and illustrations of equal resolution and sharpness as the original manual. Faxed copies or copies with portions of the information missing or smeared are not acceptable.

2. Provide as-built drawings depicting what is incorporated within the project delivered as electronic files. All text within drawings shall be legible.
3. Provide recorded test reports of Contractor commissioning.
4. Prepare and provide a complete and typical procedure for the operation of the equipment as a system including:

a. Describe the operation of system capabilities.
b. Assume the intended reader of the manual to be technically inexperienced and unfamiliar with this facility.

5. Any other pertinent data generated during the project or required for future service.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Equipment and components shall arrive onsite properly protected and undamaged with containers, packaging and labels intact.

B. Store, handle and protect materials and equipment in accordance with Manufacturer's recommendations.

C. Store materials and equipment in dry, environmentally controlled space. Do not install equipment and materials until spaces are enclosed, watertight, and dry. Protect equipment from dust and other airborne materials.

D. Provide additional protection during handling as necessary to prevent breaking, scraping, marring, or otherwise damaging products or surrounding areas.

E. Protect all equipment and components that are to be installed within this project from theft, vandalism, and exposure to rain, freezing temperatures and direct sunlight.

F. Protect installed equipment and components from damage and prevent use by unauthorized persons.

1.6 WARRANTY

A. The Contractor shall warrantee the completed work for a period of one (1) year, from the date of acceptance of the work, to be free of defect in design, workmanship, or material.

B. Contractor shall repair, adjust, and/or replace, whichever the Owner determines to be in its best interests, any defective equipment, materials, or workmanship, as well as such parts of the work

damaged or destroyed by such defect, during the warranty period, at the Contractor's sole cost and expense. If parts or components need to be repaired, then a loaner will be supplied and installed until the part or component can be repaired and reinstalled.

C. All service work shall be performed by manufacturer-certified technicians.

D. Contractor to provide Owner a phone number for technical support. All support calls shall be answered within twenty-four (24) hours. All repairs shall be underway within forty-eight (48) hours and completed (or loaner supplied) within seven (7) days.

E. At the end of the warranty period, the Contractor shall complete one (1) site visit to evaluate the status of the audio-visual systems. All equipment within this scope of work found to be defective shall be replaced at no cost to the Owner.

F. As part of the site visit, the Contractor shall move each TEACHER STATION/CLASSROOM AV TRANSMITTER from the current location FRONT or BACK of the classroom to the alternate location at no additional cost to the Owner. This is a one-time service to be included at the Owner's request.

G. Guarantees of material, equipment, and workmanship running in favor of the Contractor shall be transferred and assigned to the Owner on completion of the work and acceptance of said work by the Owner.

**PART 2 - PRODUCTS**

2.1 AUDIO RELAY

A. Shall meet or exceed the following specifications:

1. Shall be capable of accepting line level audio input sources.
2. Shall have input sensitivity of -30 dBu to 0 dBu adjustable.
3. Shall have an adjustable, nominal release delay of 0.5 to 5.0 seconds.
4. Shall have an integrated LED indicating audio threshold for the adjustment of input sensitivity.
5. Shall be rated for a maximum switching current of 2A
6. Include manufacturer recommended power supply by same manufacturer.
7. Acceptable Manufacturers:

    a. RDL ST-ACR1
    b. Or Equal

2.2 AV DECODER

A. Shall meet or exceed the following specifications:

1. Shall be capable of transmitting audio, video, and control over one (1) STP cable.

2. Shall have a minimum of one (1) HDMI output.
3. Shall have a minimum of one (1) LAN port.
4. Shall support power over ethernet (PoE) IEEE 802.3af.
5. Shall support AES67 audio codec
6. Shall support resolutions up to and including 3840 x 2160p or higher.
7. Shall be HDCP and AES compliant.
8. Coordinate color with architect prior to procurement.
9. Acceptable Manufacturers:

    a. Visionary Solutions D5100
    b. Or Equal

2.3 AV ENCODER TYPE 1

A. Shall meet or exceed the following specifications:

1. Shall be capable of transmitting audio, video, and control over one (1) STP cable.
2. Shall have a minimum of one (1) HDMI input.
3. Shall have a minimum of one (1) LAN port.
4. Shall support power over ethernet (PoE) IEEE 802.3af.
5. Shall have one (1) Bluetooth stereo audio input (A2DP)
6. Shall support AES67 audio codec.
7. Shall support resolutions up to and including 3840 x 2160p or higher.
8. Shall be HDCP and AES compliant.
9. Shall be two-gang decora.
10. Coordinate color with architect prior to procurement.
11. Acceptable Manufacturers:

    a. Visionary Solutions E5-WP-BT
    b. Or Equal

2.4 AV ENCODER TYPE 2

A. Shall meet or exceed the following specifications:

1. Shall be capable of transmitting audio, video, and control over one (1) STP cable.
2. Shall have a minimum of one (1) HDMI input.
3. Shall have a minimum of one (1) LAN port.
4. Shall support power over ethernet (PoE) IEEE 802.3af.
5. Shall support AES67 audio codec.
6. Shall support resolutions up to and including 3840 x 2160p or higher.
7. Shall be HDCP and AES compliant.
8. Coordinate color with architect prior to procurement.
9. Acceptable Manufacturers:

    a. Visionary Solutions E5100

b. Or Equal

2.5 AV EQUIPMENT RACK TYPE 1

A. Shall meet or exceed the following specifications:

1. Shall have 21 units of available rack space.
2. Provide with grommeted worktop.
3. Provide with casters.
4. Shall have 16-gauge steel construction with black textured powder coat finish.
5. Shall have locking, vented rear door and fans.
6. Ensure that no equipment or cabling protrudes from the front of the rack in a way that would prohibit the addition of a rack front door in the future.
7. Shall be installed with a service loop allowing the rack to be pulled out and serviced.
8. Ensure that devices with cooling fans are drawing cool air from room and exhausting hot air out the top of the rack. Provide accessories as required to ensure hot air from equipment is not recirculated into equipment cooling intakes.
9. Acceptable Manufacturers:

   a. Middle Atlantic PTRK-21MDK
   b. Or Equal

2.6 AV EQUIPMENT RACK TYPE 2

A. Shall meet or exceed the following specifications:

1. Shall have 35 units of available rack space.
2. Shall have 16-gauge steel construction with black textured powder coat finish.
3. Shall have locking, vented doors, side panels, and fans.
4. Ensure that no equipment or cabling protrudes from the front of the rack in a way that would prohibit the addition of a rack front door in the future.
5. Shall have an overall depth of 22” and useable depth of 20”.
6. Shall be constructed to swing open for cabling access.
7. Shall have a large 12.5” x 12.5” knockout at the rear along with additional knockouts in the sides of the racks.
8. Ensure that devices with cooling fans are drawing cool air from room and exhausting hot air out the top of the rack. Provide accessories as required to ensure hot air from equipment is not recirculated into equipment cooling intakes.
9. Acceptable Manufacturers:

   a. Middle Atlantic DWR-35-22
   b. Or Equal

2.7 AV NETWORK SWITCH

A. Shall meet or exceed the following specifications:

1. Shall have a minimum of 24 gigabit ports.
2. Shall have a minimum of 300 watts of PoE budget available.
3. Shall have integrated 10Gb copper uplink ports, or support 10Gb copper uplinks via SFP. If using SFP, Contractor shall provide quantity of modules as required to support connectivity shown on T-Series drawings.
4. Shall support communication over Layer 2 at a minimum.
5. Shall support DANTE digital audio communication protocol.
6. Shall be capable of supporting AVB communication protocol.
7. Shall be capable of supporting future AVoIP communication protocols.
8. Acceptable Manufacturers:

    a. Netgear M4250
    b. Or Equal

2.8 CLASSROOM AV TRANSMITTER

A. Shall meet or exceed the following specifications:

1. Shall support HDMI 2.0, HDCP 2.2 / HDCP 1.4
2. Shall support resolutions up to 2160p 60Hz (4K-18G)
3. Shall support HDBaseT over a single Cat6a cable up to 230ft distance at 1080p or 132ft distance at 4K 60Hz
4. Shall support USB 2.0
5. Shall support HDR and CEC pass-through.
6. Provide rough-in with CAT 6a cable at back of each room as depicted in T-Series drawings
7. Clearly label cabling “FRONT” or “BACK” per drawings and labelling specifications.
8. Provide specific owner training concerning the relocation of the wall plate transmitter from the FRONT to the BACK location and how to swap the cables at the receiver location to accommodate the BACK location of teacher desk.
9. See section WARRANTY 1.6 E for additional information.
10. Acceptable Manufacturers:

    a. COVID EHB-250-W
    b. Or Equal

2.9 DIGITAL SIGNAL PROCESSOR TYPE 1

A. Shall meet or exceed the following specifications:

1. Shall have a minimum of eight (8) balanced flex channels (input or output) with AEC.
2. Shall provide an open architecture for signal routing.
3. Shall be capable of routing up to 64 networked audio channels over Q-LAN or AES67.
4. Shall support a minimum of 8x8 channels of Dante audio routing.
5. Shall have a maximum input level of +24dBu and maximum output level of +20 dBU.
6. Shall have a minimum dynamic range of 108dB, 20Hz – 20000Hz.

7. Control software to include, but not limited to: matrix mixers, limiters, gain adjustment, delay, parametric equalizers, crossovers, and compressors.
8. Acceptable Manufacturers:

    a. QSYS Core 8 Flex
    b. Or Equal

2.10 EQUIPMENT RACK BLANKS

A. Contractor to provide equipment rack blanks as required by the T-series drawings.

B. Shall meet or exceed the following specifications:

1. Shall have a flanged construction.
2. Shall be made of 1/16” thick aluminum.
3. Shall have a black brushed and anodized finish.
4. Provide quantity and sizes as required by the T-series drawings.
5. Acceptable Manufacturers:

    a. Middle Atlantic BL Series
    b. Or Equal

2.11 EQUIPMENT RACK VENTS

A. Contractor to provide equipment rack vents as required by the T-series drawings.

B. Equipment rack vents shall meet or exceed the following specifications:

1. Shall have a flanged construction.
2. Shall be made of 1/16” thick aluminum.
3. Shall have a black brushed and anodized finish.
4. Provide quantity and sizes as required by the T-series drawings.
5. Acceptable Manufacturers:

    a. Middle Atlantic VTP Series
    b. Or Equal

2.12 EQUIPMENT RACK SHELVES

A. Contractor to provide equipment rack shelves as required by the T-series drawings.

B. Equipment rack shelves shall meet or exceed the following specifications:

1. Shall have a flanged construction.
2. Shall have 16-gauge steel construction with black textured powder coat finish.
3. Shall have a minimum load capacity of 50 pounds.
4. Provide quantity and sizes as required by the T-series drawings.

5. Acceptable Manufacturers:

    a. Middle Atlantic U Series
    b. Or Equal

2.13 EQUIPMENT RACK DRAWERS

A. Contractor to provide equipment rack drawers as required by the T-series drawings.

B. Equipment rack drawers shall meet or exceed the following specifications:

1. Shall have a flanged construction.
2. Shall have 16-gauge steel construction with black textured powder coat finish.
3. Shall have a minimum load capacity of 50 pounds.
4. Shall include grommeted cable pass-through in rear of drawer.
5. Provide quantity and sizes as required by the T-series drawings.
6. Acceptable Manufacturers:

    a. Middle Atlantic UD Series
    b. Or Equal

2.14 FLAT PANEL DISPLAY

A. Shall meet or exceed the following specifications:

1. Shall support resolutions up to and including 3840x2160p, 60 Hz.
2. Shall be LED Backlit.
3. Shall have a minimum contrast ratio of 5000:1.
4. Shall have a minimum brightness of 350 $cd/m^2$
5. Shall be RS-232 controllable.
6. Shall be commercial grade. Consumer grade displays are not acceptable.
7. Shall have integrated smart TV app compatibility (i.e. youtube app).
8. “MON” (Monitor locations within the T-series drawings) displays shall be 18/5 rated.
9. “DS” (Digital Signage locations within the T-series drawings) displays shall be 24/7 rated.
10. Reference T-series drawings for display sizes.
11. Reference AV diagrams for locations where panels are to be installed.
12. Acceptable Manufacturers:

    a. Samsung
    b. LG
    c. Sony
    d. Panasonic
    e. Or equal

2.15 FLAT PANEL DISPLAY WALL MOUNT

A. Shall meet or exceed the following specifications:

1. Shall support weight of associated display.
2. Shall be non-articulating mount.
3. Shall have an adjustable tilt of -5 or +20 degrees.
4. Shall provide access to backbox without removing mount.
5. Mount shall be selected to ensure total depth of flat panel display and mount does not exceed 4” from the wall.
6. Provide all mounting hardware and accessories as required by the T-series drawings and manufacturer recommendations.
7. Acceptable Manufacturers:

    a. Chief
    b. Peerless-AV
    c. AvTeq
    d. Or equal

2.16 FLAT PANEL DISPLAY CEILING MOUNT

A. Shall meet or exceed the following specifications:

1. Shall support weight of associated display.
2. Shall fit display mounting patterns up to 600 x 400mm.
3. Provide fixed extension columns as required by the T-series AV elevations. Confirm final mounting height with architect prior to procurement.
4. Shall have an adjustable tilt of -5 to +20 degrees.
5. Shall have 360-degree swivel
6. Provide all mounting hardware and accessories as required by the T-series drawings and manufacturer recommendations.
7. Acceptable Manufacturers:

    a. Chief
    b. Peerless-AV
    c. AvTeq
    d. Or equal

2.17 HEARING ASSSITANCE SYSTEM

A. Shall meet or exceed the following specifications:

1. Shall have a minimum of one (1) balanced mono XLR audio input and one (1) unbalanced stereo RCA input.
2. Shall have an internal audio compressor.
3. Shall have an operating frequency of 216MHz.

4. Shall have a maximum output power of 100mW.
5. Provide remote antennas as shown on the T-series drawings.
6. Provide quantity and type of receivers to meet ADA requirements.
7. Provide charging carrying case to accommodate all receivers.
8. Provide rechargeable lithium-ion batteries to accommodate all receivers.
9. Acceptable Manufacturers:

    a. Listen Tech LT-800-216 (as shown on T-series AV diagrams)
    b. Listen Tech LA-122 (as shown on T-series drawings)
    c. Listen Tech LR-4200-216 (Quantity: 8 per transmitter)
    d. Listen Tech LA-164 (Quantity: 8 per transmitter)
    e. Listen Tech LA-165 (Quantity: 8 per transmitter)
    f. Listen Tech LA-438 (Quantity: 8 per transmitter)
    g. Listen Tech LA-380 (Quantity: 1)
    h. Listen Tech LA-365 (Quantity: 8 per transmitter)
    i. Or equal

2.18 INTERACTIVE FLAT PANEL DISPLAY

A. Shall meet or exceed the following specifications:

1. Shall support resolutions up to and including 3840x2160p, 60 Hz.
2. Shall be LED Backlit.
3. Shall have a minimum contrast ratio of 5000:1.
4. Shall have a minimum brightness of 350 $cd/m^2$
5. Shall have manufacturer optional wireless connectivity.
6. Shall be commercial grade. Consumer grade displays are not acceptable.
7. Reference T-series drawings for display sizes.
8. Reference AV diagrams for locations where panels are to be installed.
9. Acceptable Manufacturers:

    a. Clevertouch Pro Series 3 with Clevershare

2.19 LAPTOP

A. Shall meet or exceed the following specifications:

1. Shall be capable of being powered by no more than 130 Watt USB-C connection
2. Shall be capable of driving four (4) DisplayLink capable display devices.
3. Shall have a minimum of sixteen (16) GB RAM
4. Shall have Intel $10^{th}$ Generation or later processor.
5. Shall have integrated or discreet Intel HD 4000, ATI Radeon HD8650, Nvidia GeForce 7xxM GPU or better.
6. Shall have minimum Intel Core i7
7. Minimum 2GHz processor with SSE2
8. Shall be provided with Windows license and be capable of joining school district domain.

9. Acceptable Manufacturers:

    a. Lenovo 14” ThinkPad T14 Gen 5
    b. Dell Latitude 7450 14” FHD+ 2 in 1
    c. Dell 13.4” XPS 13 9340
    d. Or equal

2.20 LOUDSPEAKER TYPE 1

A. Shall meet or exceed the following specifications:

1. Shall be ceiling mounted.
2. Shall be a two-way configuration with an 8” LF driver and 1.25” HF driver.
3. Shall have a coverage pattern of 115º conical.
4. Shall have a nominal continuous power handling of no less than 175W.
5. Shall have a sensitivity of no less than 94dB.
6. Shall have a frequency response of 75Hz – 20000Hz ±10dB.
7. Shall have 70V tap. Tap loudspeaker as shown on T-series drawings.
8. Provide all necessary hardware and brackets required for installation.
9. Verify color with Architect.
10. Acceptable Manufacturers:

    a. Biamp DX-IC8
    b. Or equal

2.21 LOUDSPEAKER TYPE 2

A. Shall meet or exceed the following specifications:

1. Shall be ceiling mounted.
2. Shall be a two-way configuration with an 10” LF driver and 1.25” HF driver.
3. Shall have a coverage pattern of 115º conical.
4. Shall have a nominal continuous power handling of no less than 240W.
5. Shall have a sensitivity of no less than 96dB.
6. Shall have a frequency response of 65Hz – 20000Hz ±10dB.
7. Shall have 70V tap. Tap loudspeaker as shown on T-series drawings.
8. Provide all necessary hardware and brackets required for installation.
9. Verify color with Architect.
10. Acceptable Manufacturers:

    a. Biamp DX-IC10
    b. Or equal

2.22 LOUDSPEAKER TYPE 3

A. Shall meet or exceed the following specifications:

1. Shall be a two-way coaxial configuration with a 12” LF driver and a 1” HF driver.
2. Shall have a coverage pattern of 90º H x 90º V.
3. Shall have a power rating of no less than 200W.
4. Shall have a sensitivity of no less than 103dB.
5. Shall have a frequency response of 85Hz – 21800Hz
6. Provide all necessary hardware and brackets required for installation.
7. Acceptable Manufacturers:

    a. Biamp Community R.5 99Z
    b. Or equal

2.23 LOUDSPEAKER TYPE 4

A. Shall meet or exceed the following specifications:

1. Shall be a 3-way, full range design.
2. Shall be a minimum 12” coaxial loudspeaker.
3. Shall have a coverage pattern of 90ºx60º Horiz. X Vertical pattern.
4. Shall have nominal continuous power handling of no less than 400W at 8 ohms.
5. Shall have a sensitivity of no less than 98dB.
6. Shall have a frequency response of 80Hz – 16000Hz
7. Provide all necessary hardware and brackets required for installation.
8. Confirm final color and finish with Architect.
9. Acceptable Manufacturers:

    a. Biamp Community R.35-3896
    b. Or equal

2.24 SPEAKER RIGGING COMPONENTS

A. Contractor shall provide and install speaker rigging components as necessary to mount main loudspeakers as shown on the T-series drawings.

B. Structural support members to have a safety factor of at least 5. Mounting hardware and wire rope to have a safety factor of 8. All fasteners to be graded and certified for use in the intended applications. Overhead suspension hardware shall comply with ASME B30.20 standards and all applicable local building and safety codes.

C. Overhead suspension hardware must be of a type that includes product traceability controls.

D. Rigging, mounting and support systems for loudspeakers shall be designed and sealed by a registered professional engineer licensed to practice in the State of Indiana. Once the systems are installed, the engineer shall physically inspect the methods and means used to verify compliance with the original design.

E. Loudspeaker Rigging Components shall meet or exceed the following specifications:

1. Loudspeaker Rigging Components shall be made of quenched or tempered forged steel.
2. Loudspeaker Rigging Components shall meet or exceed all the requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements
3. Loudspeaker Rigging Components shall be hot dip galvanized or self-colored.
4. Shackles shall meet the performance requirements of Federal Specification RR-C-271D Type IVA, Grade A, Class1.
5. Turnbuckles shall meet the performance requirements of Federal Specifications FF-T-791b, Type 1 Form 1 - CLASS 4, and ASTM F-1145.
6. Wire rope thimble shall meet the performance requirements of Federal Specification FF-T-276b Type II.
7. Wire rope shall be sized as 7x19 utility cable.
8. Provide all screw pin type shackles with mouse wire.
9. All end fittings shall be moused to the body with mousing cable.
10. Select size of product based working load limits required.
11. Confirm final product selection with architect.
12. Acceptable product:

    a. Chicago Hardware Company
    b. Crosby Group
    c. Wire Rope Corporation of America (WRCA)
    d. Or Equal
    e.

2.25 MEDIA PLAYER

A. Shall meet or exceed the following specifications:

1. Shall be capable of playing media from CD, SD, USB
2. Shall include Bluetooth® receiver.
3. Shall have one (1) 3.5mm line level input.
4. Shall be controllable via RS-232 and/or network control commands.
5. Shall have stereo balanced and unbalanced outputs.
6. Provide AUX IN cable. 3.5mm-3.5mm stereo. 6 feet in length.
7. Acceptable Manufacturers:
    a. TASCAM CD-400U
    b. Or Equal

2.26 MIC/LINE INTERFACE

A. Shall meet or exceed the following specifications:

1. Shall have one (1) XLR-F input.
2. Shall have one (1) 3.5mm line level input.
3. Shall transmit audio digitally over network via Category cable.

4. Shall be powered via PoE by connected network switch.
5. Shall be one-gang decora form factor.
6. Confirm color with Architect.
7. Acceptable Manufacturers:
   a. RDL D-RN2ML
   b. Or Equal

2.27 POWER AMPLIFIER TYPE 1

A. Shall meet or exceed the following specifications:

1. Power Amplifier shall have a continuous power rating of a minimum of 60 watts into 70V load.
2. Power Amplifier shall provide protection of circuit components in the event of over-drive, output overload, or short circuits.
3. Power Amplifier shall have a maximum of 0.1% THD from 80Hz – 20000Hz.
4. Power Amplifier shall have a signal to noise ratio of at least 90dB.
5. Provide with compatible volume control by same manufacturer such as Extron VC 50.
6. Acceptable Manufacturers:

   a. Extron MPA 601
   b. Or Equal

2.28 POWER AMPLIFIER TYPE 2

A. Shall meet or exceed the following specifications:

1. Shall have a continuous power rating of a minimum of 700 watts into 4 ohm, 8 ohm or 70 volt load per channel.
2. Shall provide four channels of amplification.
3. Shall provide protection of circuit components in the event of over-drive, output overload, or short circuits.
4. Shall have built-in DSP.
5. Shall have a maximum of 0.1% THD from 20Hz – 20000Hz.
6. Shall have a signal to noise ratio of at least 105dB.
7. Shall have a maximum input level of +20dBu.
8. Acceptable Manufacturers:

   a. LEA 704
   b. Or Equal

2.29 POWER AMPLIFIER TYPE 3

A. Shall meet or exceed the following specifications:

1. Shall have a continuous power rating of a minimum of 700 watts into 4 ohm, 8 ohm or 70 volt load per channel.
2. Shall provide two channels of amplification.
3. Shall provide protection of circuit components in the event of over-drive, output overload, or short circuits.
4. Shall have built-in DSP.
5. Shall have a maximum of 0.1% THD from 20Hz – 20000Hz.
6. Shall have a signal to noise ratio of at least 105dB.
7. Shall have a maximum input level of +20dBu.
8. Acceptable Manufacturers:

    a. LEA 702
    b. Or equal

2.30 POWER SEQUENCING SYSTEM

A. Contractor to provide and install rack mounted power sequencing system for the AV equipment rack.

B. In addition to the sequencing device, provide vertical power strips as required to support the equipment and accessories.

C. Contractor to ensure all equipment is powered in the correct order to avoid audible pops and clicks from the audio-video system in response to power sequencing.

D. Rack mounted power sequencing system shall meet or exceed the following specifications:

1. Shall include a sequencer with a minimum of six (6) sequenced outlets
2. Shall include a minimum of two (2) 5-20R outlets.
3. Shall include a contact closure input.
4. Shall allow for adjustable start delay times.
5. Acceptable Manufacturers:

    a. SurgeX SEQ-1U
    b. Middle Atlantic PD-815SC
    c. Or Equal

2.31 QUAD MONITOR ADAPTOR

A. Shall meet the following specifications:

1. Shall have ethernet monitoring and control.
2. Shall have minimum three (3) year manufacturer warranty.
3. Shall be USB powered
4. Shall support up to 4K60 display devices.

5. Shall be capable of minimum 140 Watt passthrough.
6. Provide minimum 140 Watt USB-C power source.
7. Acceptable Manufacturers:

    a. StarTech QUAD-USB-HDMI-ADAPT
    b. Or Equal

2.32 STEREO TO MONO ADAPTOR

A. Shall meet the following specifications:

1. Shall have ethernet monitoring and control.
2. Acceptable Manufacturers:

    a. RDL TX-J2
    b. Or Equal

2.33 TOUCH PANEL

A. Shall meet the following specifications:

1. Shall have ethernet monitoring and control.
2. Shall have a capacitive touch screen interface.
3. Shall have a resolution of 1920x1200.
4. Shall be 10.1” diagonal.
5. Shall have a contrast ratio of 800:1
6. Provide all necessary hardware and brackets required for installation as shown on the T-series drawings.
7. Provide TSC-101t-G3 in weight room. Provide rack mount panel in Gymnasium.
8. Confirm color with architect.
9. Acceptable Manufacturers:

    a. Q-SYS TSC-101-G3

2.34 WIRELESS MICROPHONE ANTENNA DISTRIBUTION SYSTEM

A. Shall meet or exceed the following specifications:

1. Shall operate in the 470 MHz to 690 MHz radio frequency range
2. Shall have a minimum of one (1) BNC RF input per channel
3. Shall have a minimum of four (4) BNC RF outputs per channel
4. Shall have a minimum of four (4) DC power outputs for compatible wireless audio receivers

5. All BNC RF outputs and inputs shall have 50 ohm impedance
6. Shall have a metal housing.
7. Provide necessary adapters and accessories as required. Refer to the T-series AV diagrams for more information.
8. Acceptable Manufacturers:

    a. Shure UA844+SWB/LC
    b. Shure UA834WB in-line antenna amplifier
    c. Shure UABIAST in-line power adapter
    d. Shure UA221 passive antenna splitter
    e. Shure UA8 1/2 wave dipole antenna for applications in which line of sight distances from transmitter to antenna are under 100 feet (Provide quantity shown on T-series AV diagrams)
    f. Shure UA874US active directional antenna for applications in which line of sight distances from transmitter to antenna are over 100 feet (Provide quantity shown on T-series AV diagrams)
    g. Or equal

2.35 WIRELESS MICROPHONE SYSTEM

A. Shall meet or exceed the following specifications:

1. Shall utilize a 64 MHz bandwidth
2. Shall provide digital predictive switching for true diversity.
3. Shall have up to 60 frequency presets available.
4. Shall provide automatic frequency scanning.
5. Transmitters and receivers shall utilize a metal housing.
6. Coordinate operating frequency with local RF environment.
7. Acceptable Manufacturers:

    a. Shure QLXD4
    b. Shure QLXD2/SM58 (Quantity: 1 per receiver)
    c. Shure QLXD1 (Quantity: 1 per receiver)
    d. Shure WL183M (Quantity: 1 per receiver)
    e. Shure WH20 (Quantity: 1 per receiver)
    f. Shure SB900B Rechargeable Battery (Quantity: 1 per transmitter)
    g. Shure SBC200 Dual Charging Station with Power Supply (Quantity: 1 per every 2 transmitters)
    h. Shure UA8 (Provide quantity shown on T-series AV diagrams)
    i. Or Equal

2.36 WIRELESS PRESENTATION RECEIVER

A. Shall meet or exceed the following specifications:

1. Shall have a minimum of one (1) RJ-45 LAN connection.

2. Shall have a minimum of one (1) HDMI output.
3. Shall have a minimum of one (1) USB 2.0 host type A.
4. Shall support resolutions of up to and including 1920x1080 or higher.
5. Shall support Miracast.
6. Provide necessary adapters and accessories as required.
7. Acceptable Manufacturers:

    a. Screenbeam 960
    b. Or Equal

**PART 3 - EXECUTION**

3.1 GENERAL

A. Coordinate incorporation of the Work specified herein with other project work to facilitate a cohesive final product.

B. The installation recommendations contained within ANSI and Telecommunications Distribution Methods Manual are mandatory minimum standards and requirements.

C. Mount equipment and enclosures plumb and level.

D. Permanently installed equipment to be firmly and safely held in place. Design equipment supports to support loads imposed with a safety factor of at least five. Seismic bracing shall be installed on appropriate equipment where local codes require such installation.

E. Verify all locations of equipment in all rooms with Owner's Representative, Owner, and Consultant.

F. Follow all manufacturer requirements and recommendations for the installation of all AV equipment.

3.2 TESTING

A. Prior to turning on the system, verify all electronic devices are properly grounded and each audio video AC receptacle has the proper hot, neutral, and ground connections.

B. Audio Testing:

1. Verify each amplifier channel is correctly wired by providing a test signal to each channel and verify the correct speakers are operating.
2. Adjust the input and output gain of each device to properly set the system gain.
3. Adjust the output level of each amplifier channel and/or speaker tap settings to achieve 85 dB ± 2 dB in the area covered by the respective speaker zone when the output of the sound reinforcement system is set to 0 dBu.

4. Equalize all loudspeakers to provide an acceptable frequency response based on the specifications of the provided loudspeakers.
5. Verify no hum or buzz is present in the system at all operating levels. If present, propose a resolution and correct the issue at no cost to the Owner.

C. Video Testing:

1. Using a video signal generator, verify performance of all equipment meets manufacturer's specifications.
2. Verify correct operation of all inputs and outputs
3. Flat panel displays shall be set up by the contractor for immediate usage by the Owner once system is commissioned.

3.3 AUDIO VIDEO CONTROL SYSTEM

A. Control system shall be programmed to at a minimum switch between available AV sources, power on/off video displays, raise/lower projection screen, control system volume, and control zone selection of audio where applicable.

B. Contractor to provide a minimum of three iterations of the touchscreen layout and programming for review by the Owner and Consultant. The first phase will involve only the layout and proposed operation. Once reviewed, the Contractor will utilize this information to begin programing the touch panels. The touch panels will be reviewed again after the programming has been implemented in the field. Any changes from this phase shall be incorporated into the work. Final review will occur at the one year walk-through.

C. Control system and room type functionality shall be programmed at a minimum as described below:

1. GYMNASIUM

a. Shall include one (1) custom programmed touch panel in the audio equipment rack for system control. At a minimum, control system shall be programmed to switch between available audio sources, source routing, and volume.
b. Confirm all rigging with structural engineer as required.
c. A minimum five (5) foot service loop shall be provided and secured at each loudspeaker location.
d. Contractor shall be required to program and set up system controls within the DSP control processor software.
e. Contractor shall ensure loudspeaker coverage of 80 dBA at a minimum and no more than 95 dBA at a maximum based on the volume range configured on the touch panel. All areas shall have consistent coverage no greater than ±2 dB.
f. All audio will be summed, mixed, and processed according to industry standards. Audio from the DSP will feed two zones, one each side of the dividing curtain. Sources shall be routable to one or both zones depending on room configuration allowing for future zoning flexibility.

g. The DSP shall receive an analog audio paging signal from the building paging system. When audio is present, the DSP shall override the program audio to allow the page to be played over the loudspeaker system.
h. The DSP shall receive a contact closure from the fire alarm system and mute during an active fire alarm.
i. Coordinate AV network switch setup requirements with owner. Coordinate all additional AV traffic and protocols on the high school network with the owner prior to programming and commissioning.

2. WEIGHT ROOM

a. Shall include one (1) custom programmed touch panel located on the audio rack for system control. At a minimum, control system shall be programmed to switch between available audio sources, source routing, and volume.
b. The system shall include a laptop capable of displaying four (4) separate desktop outputs via USB-C. The laptop shall be connected to a docking station that provides power via USB-C. The touchscreen shall allow for the routing of any of these four displays to the monitors located throughout the room.
c. Audio sources within the rack, including the auxiliary input of the media player shall be selectable to be played throughout the room.
d. Contractor shall be required to program and set up system controls within the DSP control processor software.
e. Contractor shall ensure loudspeaker coverage of 80 dBA at a minimum and no more than 95 dBA at a maximum based on the volume range configured on the touch panel. All areas shall have consistent coverage no greater than ±2 dB.
f. The DSP shall receive an analog audio paging signal from the building paging system. When audio is present, the DSP shall override the program audio to allow the page to be played over the loudspeaker system.
g. The DSP shall receive a contact closure from the fire alarm system and mute during an active fire alarm.
h. Coordinate AV network switch setup requirements with owner. Coordinate all additional AV traffic and protocols on the high school network with the owner prior to programming and commissioning.

3. MEETING ROOMS

a. Shall include one (1) wireless presentation receiver.
b. Shall include one (1) HDMI input.
c. The wireless presentation receiver and the flat panel display shall be connected to the building network.
d. Control of the monitor shall be by included handheld remote control.

4. CLASSROOMS

a. Shall include one (1) HDBaseT receiver mounted behind the interactive display. Each room shall include a HDBaseT cable run to each teacher station rough-in. During installation a HDBaseT wallplate will be installed at the front teacher station rough-in and connected to the cable. The receiver will also be connected. Owner training shall include instructions on how to move the wallplate from the front rough-in to the tough-in in the rear of the room. Training shall include swapping the connection behind the monitor. This is meant to accommodate teacher preference to have their desk located in the front or rear of the room, and not intended to be a frequent connection change.
b. The interactive display shall be connected to the building network via WiFi.

3.4 TRAINING

A. After final completion, provide instruction to Owner designated personnel.

B. Provide a minimum of eight (8) hours of training to the Owner. Training session(s) shall cover the following topics at a minimum:

1. System Equipment Connectivity
2. Device Configurations
3. Operation, maintenance, and upgrade procedures.
4. Classroom teacher station connection and re-configuration

C. Training to be arranged with Owner personnel. Training schedule shall be coordinated with Owner personnel and their needs.

D. Training to occur in maximum of 2-hour increments per personnel or groups of personnel.

E. Training plan, timeline, and agenda shall be provided to Owner and signed off by Owner and Contractor.

F. Warranty certificate and agreement shall be provided to Owner at initial training session.

G. Provide a digital video copy of the training sessions.

3.5 SYSTEM ACCEPTANCE

A. Contractor shall demonstrate to the Owner and Architect that all systems have been installed per the plans and specifications and that all programming functions, display functions, control functions and all interfaced equipment operate as expected.

B. Contractor shall demonstrate to the Owner and Architect that all the end user staff has a working knowledge of how to operate the installed equipment and that the facilities staff also has a working knowledge of the troubleshooting methods for non-critical service problems.

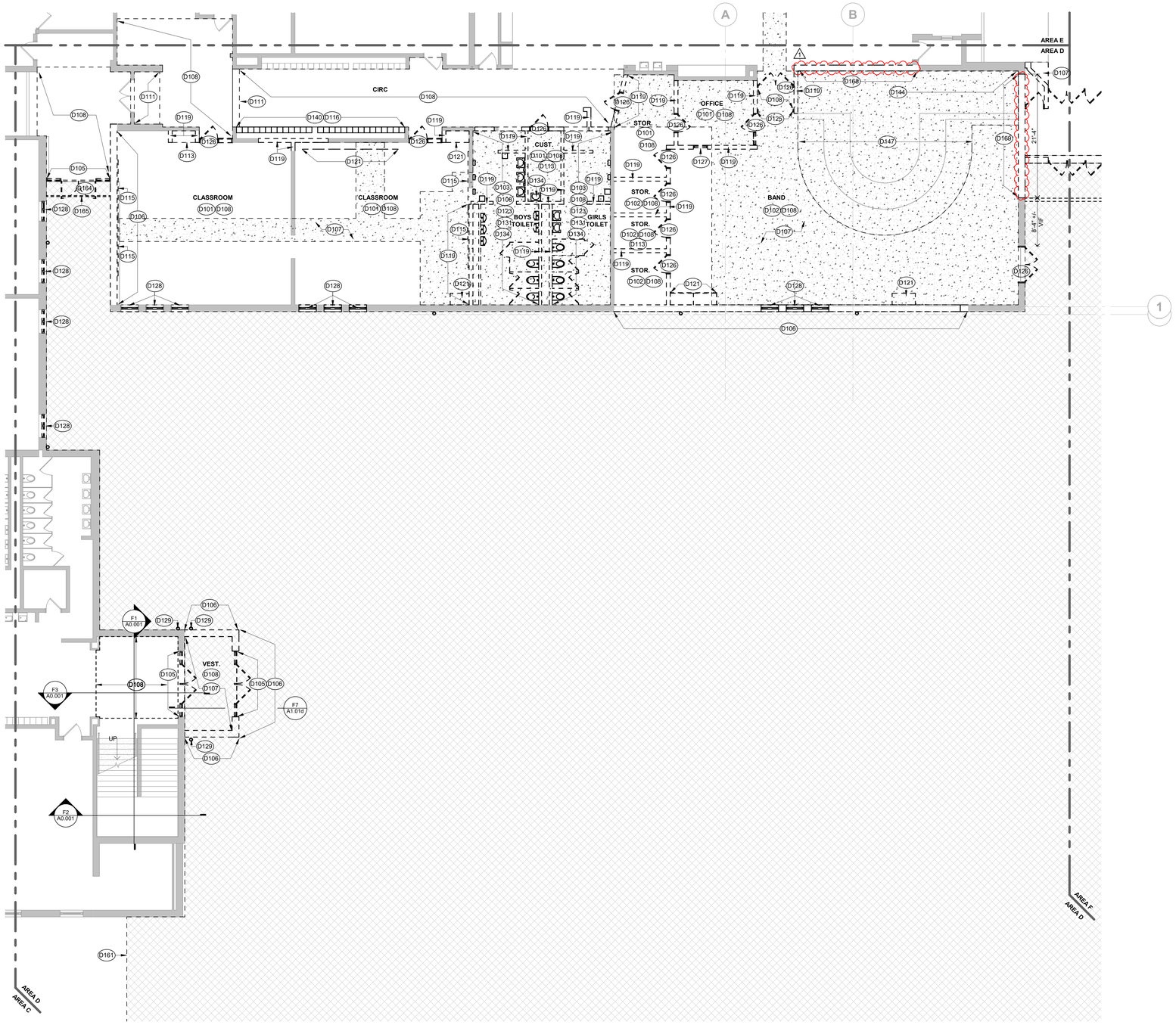
C. Contractor shall have a Delivery and Acceptance form signed by the Owner representative, agreeing that the installation is complete and its operation is acceptable except as noted on the Delivery and Acceptance form. This will also serve as the start of the warranty period.

D. Contractor shall work with the General Contractor to complete all punch lists and work required to allow the General Contractor to close out the project in a timely manner. This will include but not limited to any work that would impact any final inspection for turnover of the building.

**END OF SECTION 27 41 16**

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IN




F1 **MAIN LEVEL DEMOLITION PLAN - AREA D**
1/8" = 1'-0"
0

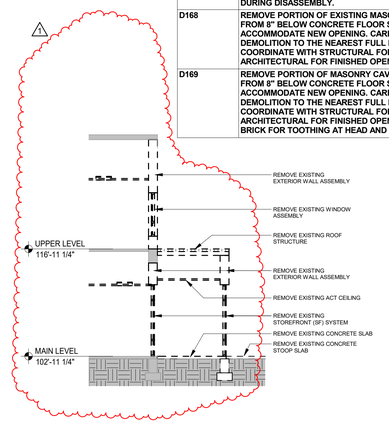
## DEMOLITION LEGEND

- WALL TO REMAIN
- WALL TO BE REMOVED
- DOOR TO REMAIN
- DOOR, FRAME, AND HARDWARE TO BE REMOVED UNLESS NOTED OTHERWISE
- DESIGNATED ITEM TO REMAIN
- DESIGNATED ITEM TO BE REMOVED

## DEMOLITION GENERAL NOTES

1. DEMOLITION NOTES AND PLANS ARE PROVIDED AS A GUIDE ONLY. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND EXAMINE DRAWINGS AND DETAILS TO DETERMINE EXTENT AND LIMITS OF DEMOLITION REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL ASPECTS OF DEMOLITION. CONTRACTOR TO REVIEW ALL DRAWINGS FOR ADDITIONAL DETAILS AND CONSTRUCTION SEQUENCING NOTES. MECHANICAL AND ELECTRICAL DEMOLITIONS ARE SHOWN ON MECHANICAL AND ELECTRICAL DRAWINGS.
3. REFER TO MECHANICAL AND ELECTRICAL FOR ADDITIONAL DEMOLITION NOTES.
4. CONTRACTOR TO COORDINATE DEMOLITION WITH DETAILS AND STRUCTURAL DRAWINGS TO INSTALL NEW LINTELS OR STRUCTURAL COMPONENTS TO SUPPORT EXISTING STRUCTURE.
5. PROVIDE AND COORDINATE ALL DEMOLITION AND RECONSTRUCTION WITH NEW WORK PLAN DIMENSIONS AND INSTALLATION OF NEW MATERIALS AND FINISHES, AS REQUIRED, WHETHER INDICATED ON DRAWINGS OR NOT.
6. PROVIDE SMOOTH AND CLEAN SUBSTRATE TO ALL AREAS RECEIVING NEW FINISHES. COORDINATE WORK WITH PLANS AND THE ROOM FINISH SCHEDULE.
7. ALL RELATED WOOD BLOCKING SUPPORT STRUCTURE, HARDWARE CONNECTION DEVICES, ADHESIVES, AND/OR MASTIC SHALL BE REMOVED FROM SURFACES AT ITEMS NOTED FOR REMOVAL. PROVIDE SURFACES ACCEPTABLE FOR PATCHING AND/OR NEW WORK.
8. DEMOLITION NOTES WITHOUT ARROWS INDICATE THAT THE NOTE APPLIES TO THE ENTIRE ROOM.

| Keynote Legend | |
|---|---|
| **Key Value** | **Keynote Text** |
| D101 | REMOVE EXISTING VCT AND VINYL BASE INLCUDING ALL ADHESIVES, ETC. IN THEIR ENTIRETY. GRIND / SHOT BLAST FLOOR IN PREPARATION FOR NEW FLOOR FINISH. |
| D102 | REMOVE EXISTING CARPET AND VINYL BASE INCLUDING ALL ADHESIVES, ETC. IN THEIR ENTIRETY. GRIND / SHOT BLAST FLOOR IN PREPARATION FOR NEW FLOOR FINISH. |
| D103 | REMOVE EXISTING TILE FLOOR AND BASE, INCLUDING GROUT, ADHESIVES, AND FULL DEPTH OF MOTAR BED AS OCCURS. |
| D105 | REMOVE EXISTING STOREFRONT ASSEMBLY, INCLUDING ALL DOORS, ANCHORS, FLASHING, GLAZING, FRAMING, BLOCKING, SILLS, ETC. AS OCCURS. |
| D106 | REMOVE EXTERIOR WALL ASSEMBLY TO EXTENTS SHOWN OR IN ITS ENTIRETY, INCLUDING ALL MASONRY ANCHORS, TIES, REBAR, INSULATION, ETC. AS REQUIRED FOR NEW CONSTRUCTION. SEE STRUCTURAL. |
| D107 | CAREFULLY SAWCUT IN STRAIGHT LINES AND REMOVE PORTIONS OF EXISTING CONCRETE FLOOR SLAB ASSEMBLY AND SUB-SOILS AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. HATCHED REMOVAL EXTENTS SHOWN ARE A MINIMUM, COORDINATE EXACT EXTENTS WITH STRUCTURAL, MECHANICAL, AND/OR ELECTRICAL. CONTRACTOR SHALL X-RAY EXISTING FLOOR SLAB TO IDENTIFY ANY EXISTING UTILITIES PRIOR TO ANY REMOVALS OCCURING. |
| D108 | REMOVE EXISTING ACT CEILING ASSEMBLY IN ITS ENTIRETY, INLCUDING ALL GRIDS, HANGERS, ETC., AND ALL ASSOCIATED HARDWARE. SEE ALSO MECHANICAL AND ELECTRICAL. |
| D111 | REMOVE PLASTER CEILING ASSEMBLY IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED FRAMING, ANCHORS, HANGERS, ETC. SEE ALSO MECHANICAL AND ELECTRICAL FOR ADDITIONAL INFORMATION. |
| D113 | REMOVE EXISTING WALL MOUNTED ITEMS (SHELVES, PEG BOARD, PAPER TOWEL DISPENSERS, PENCIL SHARPENERS, ETC) TO BE SALVAGED FOR REINSTALATION BY THE CONTRACTOR. |
| D115 | REMOVE EXISITNG DISPLAY BOARD (CHALKBOARD, MARKERBOARD, TACKBOARD, TACKSTRIP, ETC.) IN ITS ENTIRETY, INCLUDING ALL WALL MOUNTED HARDWARE AND ADHESIVES. |
| D116 | REMOVE PLASTER WALL ASSEMBLY IN ITS ENTIRETY FROM ABOVE LOCKERS TO STRUCTURE ABOVE. REMOVE ALL ASSOCIATED FASTENERS, ANCHORS, CAULKING, SEALANTS, ETC. |
| D119 | REMOVE PORTION OF EXISTING MASONRY WALL TO EXTENTS SHOWN TO ACCOMMODATE NEW CONSTRUCTION. CAREFULLY SAWCUT ALL MASONRY DEMOLITION. SEE ALSO MECHANICAL AND ELECTRICAL. |
| D121 | REMOVE EXISTING CASEWORK INCLUDING ALL WARDROBE, BASE CABINETS, UPPER CABINETS, COUNTERTOPS, AND ALL ASSOCIATED ANCHORS, ADHESIVES, ETC. IN THEIR ENTIRETY. |
| D123 | REMOVE EXISTING CERAMIC WALL TILE AND BASE IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED GROUT, THINSET, ETC. |
| D125 | REMOVE EXISTING HOLLOW METAL FRAME ASSEMBLY INCLUDING ALL ANCHORS ADHESIVES, TRANSOM PANELS, GLAZING, HARDWARE, ETC. IN THEIR ENTIRETY. |
| D126 | REMOVE EXISTING HOLLOW METAL DOOR AND FRAME ASSEMBLY INCLUDING ALL ANCHORS, ADHESIVES, TRANSOM PANELS, GLAZING, HARDWARE, ETC. IN THEIR ENTIRETY. |
| D127 | REMOVE EXISTING HOLLOW METAL BORROWED LITE ASSEMBLY INCLUDING ALL ANCHORS, GLAZING, BLOCKING, SILLS, ETC. IN ITS ENTIRETY. |
| D128 | REMOVE EXISTING HOLLOW METAL WINDOW ASSEMBLY IN ITS ENTIRETY, INCLUDING ANCHORS, SILLS, GLAZING, FLASHING, SEALANT, FASTENERS, ETC. |
| D129 | SEE PLUMBING FOR REMOVAL OF EXISTING DRAIN PIPE DOWNSPOUT IN IT'S ENTIRETY. |
| D131 | REMOVE ALL EXISTING TOILET PARTITIONS, HARDWARE, AND TOILET ACCESSORIES AND ALL ASSOCIATED FASTENERS. |
| D134 | REMOVE EXISTING PLUMBING FIXTURE(S). SEE MECHANICAL FOR ADDITIONAL INFORMATION. |
| D140 | REMOVE EXISTING METAL LOCKERS AND ASSOCIATED METAL BASE AS OCCURS IN THEIR ENTIRETY. |
| D144 | REMOVE EXISTING WALL TREATMENTS IN ITS ENTIRETY INCLUDING ALL ASSOCIATED ADHESIVES. |
| D147 | REMOVE EXISTING PLYWOOD INFILL AT LOWER PORTION OF FLOOR INCLUDING ALL SUPPORTS IN ITS ENTIRETY AS REQUIRED FOR NEW CONSTRUCTION. |
| D161 | EXCAVATE AS REQUIRED FOR ADDITION AND SEE CIVIL FOR ADDITIONAL INFORMATION. |
| D164 | REMOVE SUSPENDED METAL SOFFIT SYSTEM AND ASSOCIATED FRAMING BACK TO STRUCTURE. SEE ELECTRICAL FOR LIGHT FIXTURE REMOVAL. |
| D165 | REMOVE CANOPY ROOF COPING, CORRUGATED METAL FASCIA PANELS, AND PLYWOOD-FACED FOAM SHEATHING BACK TO GYPSUM SHEATHING SUBSTRATE. COORDINATE WITH DETAIL D1/A5.801 FOR EXTENTS. NOTIFY ARCHITECT IMMEDIATELY IF WALL CONSTRUCTION DIFFERS DURING DISASSEMBLY. |
| D168 | REMOVE PORTION OF EXISTING MASONRY WALL TO EXTENTS SHOWN FROM 8" BELOW CONCRETE FLOOR SLAB TO 8'-0" ABOVE FLOOR TO ACCOMMODATE NEW OPENING. CAREFULLY SAWCUT ALL MASONRY DEMOLITION TO THE NEAREST FULL BLOCK AS REQUIRED. COORDINATE WITH STRUCTURAL FOR SHORING REQUIREMENTS AND ARCHITECTURAL FOR FINISHED OPENING DETAILS. |
| D169 | REMOVE PORTION OF MASONRY CAVITY WALL TO EXTENTS SHOWN FROM 8" BELOW CONCRETE FLOOR SLAB TO 8'-0" ABOVE FLOOR TO ACCOMMODATE NEW OPENING. CAREFULLY SAWCUT ALL MASONRY DEMOLITION TO THE NEAREST FULL BLOCK AS REQUIRED. COORDINATE WITH STRUCTURAL FOR SHORING REQUIREMENTS AND ARCHITECTURAL FOR FINISHED OPENING DETAILS. SALVAGE FACE BRICK FOR TOOTHING AT HEAD AND JAMB CONDITIONS. |




F7 **SECTION AT EXISTING VESTIBULE DEMOLITION**
1/8" = 1'-0"
0

# Linton-Stockton Addition and Renovation

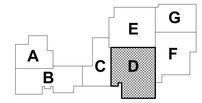
10 H St NE
Linton, IN 47441

260804037

**Linton-Stockton Schools**
10 H St NE, Linton, IN 47441

Wold VPS


**WOLD ARCHITECTS AND ENGINEERS**
1060 N. Capitol Avenue, Suite 3-101
Indianapolis, IN 46204
woldae.com | 317 353 3281


**KEY PLAN**




| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

Comm: **260804037**
Date: **09/25/2026**
Drawn: **MG**
Check: **DS/HV**

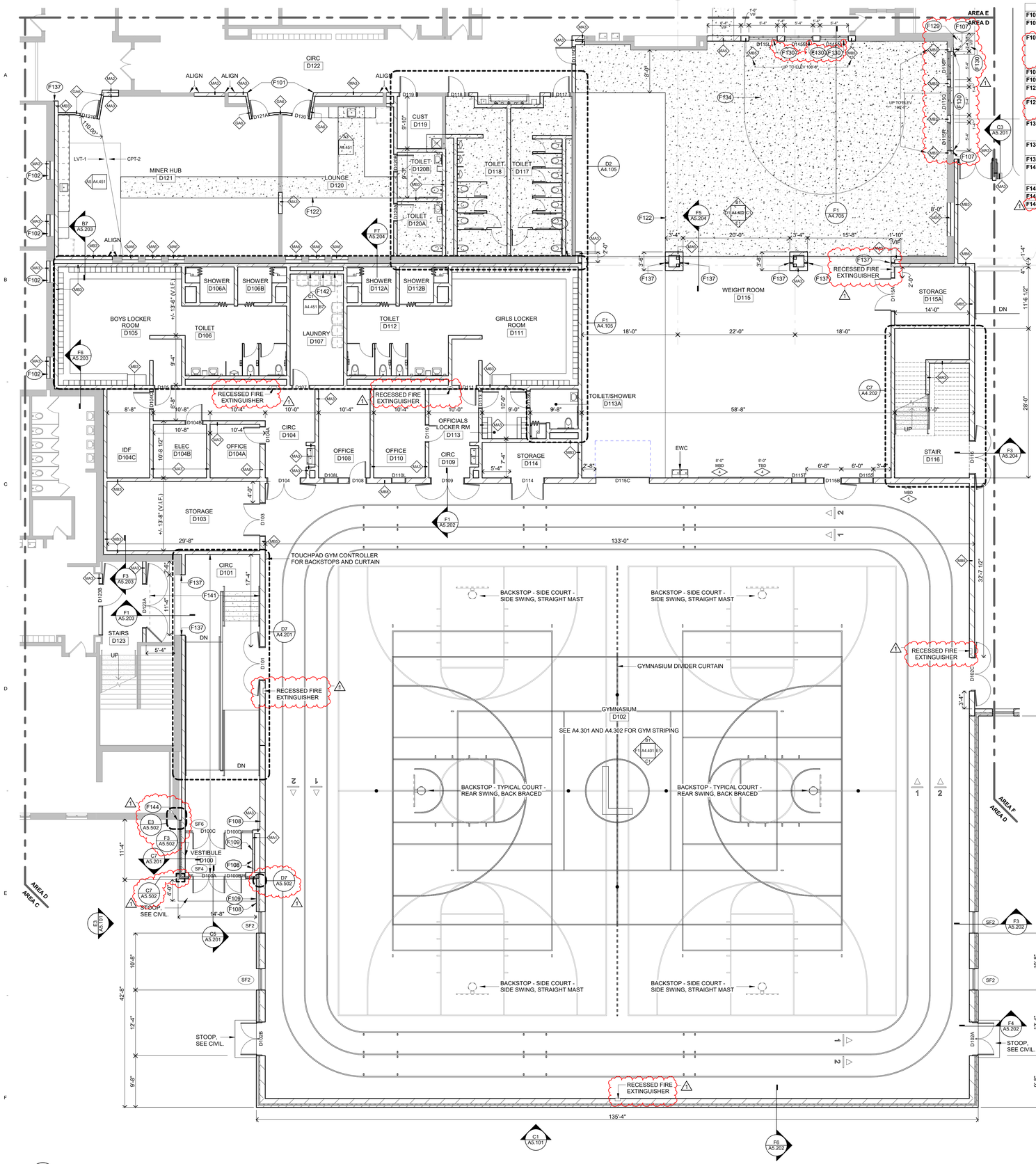
North

**MAIN LEVEL DEMOLITION PLAN - AREA D**

Scale: **1/8" = 1'-0"**

# A1.01d


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**F1** MAIN LEVEL FLOOR PLAN - AREA D
1/8" = 1'-0"

| Keynote Legend | |
|---|---|
| Key Value | Keynote Text |
| F101 | PAINT WALL PT-6E CORNER TO CORNER. |
| F102 | TOOTH-IN MASONRY AT REMOVED ITEM(S) PER THE DEMOLITION PLAN TO MATCH EXISTING COURSING. |
| F107 | AT NEW HM JAMB, TOOTH-IN CONC BLOCK AND SALVAGED BRICK AS REQUIRED TO MATCH EXISTING NEW INTERIOR / PREVIOUS EXTERIOR WALL COURSING. MATCH ADJACENT WALL CONSTRUCTION AND RETURN BRICK TO CONC BLOCK AT JAMB OF FRAME. TOOTH-OUT ADJACENT EXISTING BRICK AND BLOCK AROUND OPENING AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. |
| F108 | DOOR ACTUATOR, SEE ALSO ELECTRICAL. |
| F109 | CARD READER, SEE ALSO ELECTRICAL. |
| F122 | CONC SLAB INFILL TO BE FLUSH WITH ADJACENT EXISTING CONC SLAB, SEE STRUCTURAL AND MECHANICAL FOR MORE INFORMATION. |
| F129 | PATCH 4" CONCRETE FLOOR SLAB AS REQUIRED AT REMOVED WALLS. PROVIDE SELF LEVELING TOPPING FEATHERING FROM ADJACENT RAMP DOWN TO LEVEL OF FLOOR AT 1"/12" SLOPE, APPROXIMATE EXTENTS SHOWN, CONTRACTOR TO VERIFY IN FIELD. |
| F130 | PATCH 4" CONCRETE FLOOR SLAB AS REQUIRED AT REMOVED WALLS. PROVIDE SELF LEVELING TOPPING WITHIN A 5 FOOT RADIUS OF PERIMETER IF FLOOR ELEVATION DIFFERS ON OPPOSING SIDES OF PATCHING. |
| F134 | INFILL RECESSED SLAB WITH CLASS 5 AND PROVIDE SLAB TO MATCH ADJACENT EXISTING SLAB. FEATHER OUT 12" AS REQUIRED TO BE PREPPED FOR NEW FLOORING. |
| F137 | INTERIOR EXPANSION JOINT WALL COVER. |
| F141 | PROVIDE 1-HOUR SPRAY APPLIED FIREPROOFING TO UNDERSIDE OF FLOOR/ROOF DECK AS OCCURS WITHIN EXIT PASSAGEWAY, INCLUDING ALL SUPPORTING STRUCTURAL MEMBERS. SEE CODE PLAN FOR EXIT PASSAGEWAY EXTENTS. |
| F142 | 16"X16" ACCESS PANEL, COORDINATE LOCATIONS WITH DRYER VENTS. |
| F143 | WALL MOUNTED UNIT HEATER, SEE MECHANICAL AND SEE DETAIL F4/A4.706. |
| F144 | SURFACE MOUNTED LOW PROFILE EXPANSION JOINT COVER. |

## DOOR SCHEDULE GENERAL NOTES

1. ALL DOORS ARE 1 3/4" THICK UNLESS OTHERWISE NOTED.
2. FOR FRAME DEPTH, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED:
   GYPSUM BOARD PARTITIONS: THROAT OF FRAME TO MATCH WALL THICKNESS.
   MASONRY PARTITIONS:
   4" WALL: 5 3/4" FRAME
   6" WALL: 5 3/4" FRAME
   8" AND GREATER WALL: 7 3/4" FRAME
   EXTERIOR MASONRY WALLS: 11 3/4" FRAME
   - FRAME DEPTHS ARE SCHEDULED IN NOMINAL DIMENSIONS. SEE FRAME / DOOR TYPES FOR CORRESPONDING ACTUAL DIMENSIONS.
3. FOR GLASS TYPES, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED:
   INTERIOR NON RATED: CLEAR (SAFETY WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION.)
   INTERIOR AND EXTERIOR RATED: FIRE RATED
   EXTERIOR NON-RATED: CLEAR INSULATED (SAFETY INSULATED WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION.)
4. SEE DRAWING A2.901 FOR DOOR PANEL & HOLLOW METAL (HM) FRAME TYPES.
5. UNLESS OTHERWISE NOTED, FINISH PAINT NEW HOLLOW METAL (HM) FRAMES AS INDICATED PER THE MATERIAL FINISH SCHEDULE.
6. AT DOOR SCHEDULE, LABEL DESIGNATION "45/20" INDICATES:
   FOR ALL OPENINGS WITH SIDE LITES AND SCHEDULED TO BE RATED FOR 20 MINUTES, THE DOOR AND ANY GLASS WITHIN THE DOOR IS TO BE RATED FOR 20 MINUTES. THE FRAME AND ADJACENT SIDELITE(S) GLASS AND FRAME IS TO BE RATED FOR 45 MINUTES.*

## FLOOR PLAN GENERAL NOTES

1. ALL PLAN DIMENSIONS ARE NOMINAL TO FACE OF WALL. WALL THICKNESSES ARE SHOWN NOMINAL, SEE WALL TYPES FOR ACTUAL THICKNESS.
2. ALL GWB / METAL STUD WALLS ARE TO BE 5 INCHES THICK UNLESS OTHERWISE NOTED.
3. ALL CONCRETE BLOCK WALLS ARE TO BE 8 INCHES THICK UNLESS OTHERWISE NOTED.
4. COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECH. AND ELEC. PROVIDE ALL REQUIRED LINTELS FOR OPENINGS. SEE LINTEL SCHEDULE.
5. FIELD VERIFY ALL MILLWORK OPENINGS.
6. SET FLOOR DRAINS 3/4" BELOW FINISHED CONCRETE FLOORS UNLESS OTHERWISE NOTED. PROVIDE CONSISTENT SLOPE FROM WALL TO DRAIN BY SLOPING CONCRETE, MIN. 1/4" PER FOOT.
7. VERIFY LOCATION, SIZE AND QUANTITY OF ALL EQUIPMENT PADS WITH MECHANICAL AND ELECTRICAL.
8. ALL DOOR / SIDELITE OPENINGS TO BEGIN 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
9. ALL GWB / METAL STUD WALLS ARE CENTERED ON GRID UNLESS OTHERWISE NOTED.
10. FIRE RATED WALLS ARE INDICATED ON CODE PLANS.

## ROOM FINISH SCHEDULE GENERAL NOTES

1. IF ALL WALLS IN ROOM HAVE THE SAME FINISH, THE "N WALL-TYP" COLUMN WILL BE USED.
2. DISCREPANCIES BETWEEN THE ROOM FINISH SCHEDULE AND DRAWINGS SHALL BE REPORTED TO THE ARCHITECT FOR FINISH DETERMINATION.
3. ON WALLS WHICH ARE COVERED WITH MILLWORK, A FINISH SHALL NOT BE APPLIED TO THE WALL BEHIND. CONCRETE BLOCK BEHIND MILLWORK AND MARKERBOARDS TO BE TOOLED.
4. REFER TO INTERIOR MATERIAL FINISH / COLOR SCHEDULE FOR SPECIFIC FINISH TYPES AND COLORS.
5. ALL ELEVATOR FINISHES, OTHER THAN FLOOR MATERIAL, ARE SPECIFIED TO BE PROVIDED BY ELEVATOR MANUFACTURER.
6. ELEVATOR FLOOR FINISH TO BE _____.
7. PROVIDE VINYL BASE AT CASEWORK.

## ROOM FINISH SCHEDULE REMARKS

1. WHERE GYPSUM WALL OCCUR, PROVIDE HIGH IMPACT GYPSUM BOARD UP TO 4'. PROVIDE NORMAL GYPSUM BOARD ABOVE THE HIGH IMPACT, TO TOP OF WALL EXTENTS.
2. PROVIDE TILE PATTERN FULL HEIGHT. SEE PATTERN F5/ A4.401.

## DOOR SCHEDULE REMARKS

1. PROVIDE HM FRAME DEPTH AS SCHEDULED IS FOR BORDER MULLIONS. PROVIDE 2" DEPTH FOR ALL INTERIOR MULLIONS.
2. SEE FLOOR PLAN KEYNOTE F107 FOR JAMB AT NEW MASONRY WALL TOOTHED INTO EXISTING.

**DOOR / OPENING SCHEDULE**

| DOOR NO | DOOR / OPENING TYPE | QTY | WIDTH | HEIGHT | MATL | LABEL/ RATING | OVERALL WIDTH | FRAME TYPE | DEPTH | MATL | GL | MOUNTING CONDITIONS HEAD | JAMB | SILL | HDW GRP | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D100A | AL | 2 | 3'-0" | 7'-2" | AL | -- | 6'-0" | SF 4 | -- | AL | -- | SEE ELEVATION | SEE ELEVATION | SEE ELEVATION | 714AM | |
| D100B | AL | 2 | 3'-0" | 7'-2" | AL | -- | 3'-0" | SF 4 | -- | AL | -- | SEE ELEVATION | SEE ELEVATION | SEE ELEVATION | ACE715A | |
| D100C | AL | 2 | 3'-0" | 7'-2" | AL | -- | 6'-0" | SF 6 | -- | AL | -- | SEE ELEVATION | SEE ELEVATION | SEE ELEVATION | 800AV | |
| D100D | AL | 1 | 3'-0" | 7'-2" | AL | -- | 3'-0" | SF 6 | -- | AL | -- | SEE ELEVATION | SEE ELEVATION | SEE ELEVATION | A801AV | |
| D101 | N | 2 | 3'-0" | 6'-9 1/4" | HM | 60 MIN | 6'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 708R |
| D102A | F | 2 | 3'-0" | 8'-0" | AL | -- | 6'-4" | FR 1A | 12" | AL | -- | B4/A5.601 | D4/A5.601 | A7/A5.601 | | 724M |
| D102B | F | 2 | 3'-0" | 8'-0" | AL | -- | 6'-4" | FR 1A | 12" | AL | -- | B4/A5.601 | D4/A5.601 | A7/A5.601 | | 724M |
| D102C | N | 2 | 3'-0" | 6'-9 1/4" | HM | 60 MIN | 6'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 708R |
| D103 | F | 2 | 3'-0" | 6'-9 1/4" | WD | -- | 6'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 202S |
| D104 | F | 2 | 3'-0" | 6'-9 1/4" | WD | -- | 6'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 500H |
| D104A | N | 1 | 3'-0" | 6'-9 1/4" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 103 |
| D104B | F | 1 | 3'-0" | 6'-9 1/4" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 711C |
| D104C | F | 1 | 3'-0" | 6'-9 1/4" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 201 |
| D105 | F | 1 | 3'-0" | 6'-9 1/4" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 801CL |
| D107 | F | 1 | 3'-0" | 6'-9 1/4" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 201 |
| D108 | N | 1 | 3'-0" | 6'-9 1/4" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 103 |
| D108L | -- | -- | 2'-8" | 3'-4" | -- | -- | 2'-8" | FR 4A | -- | HM | -- | B5/A4.801 | C5/A4.801 | C5/A4.801 | | |
| D109 | F | 2 | 3'-0" | 6'-9 1/4" | WD | -- | 6'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 500H |
| D110 | N | 1 | 3'-0" | 7'-0" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 103S |
| D110L | -- | -- | 2'-8" | 3'-4" | -- | -- | 2'-8" | FR 4A | -- | HM | -- | B5/A4.801 | C5/A4.801 | C5/A4.801 | | |
| D111 | F | 1 | 3'-0" | 6'-9 1/4" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 801CL |
| D113 | F | 1 | 3'-0" | 6'-9 1/4" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 101 |
| D113A | F | 1 | 3'-0" | 6'-9 1/4" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 301 |
| D114 | F | 2 | 3'-0" | 6'-9 1/4" | WD | -- | 6'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 202S |
| D115A | F | 2 | 3'-0" | 6'-9 1/4" | WD | -- | 6'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 202S |
| D115B | N | 1 | 3'-0" | 6'-9 1/4" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 701H |
| D115C | OH | 1 | 10'-0" | 6'-11 1/4" | ST | -- | 10'-0" | OH | -- | ST | -- | SEE ELEVATION | SEE ELEVATION | -- | 001L | |
| D115D | N | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 701C |
| D115L | -- | -- | 5'-4" | 7'-4" | -- | -- | 5'-4" | FR 4B | 8" | HM | -- | B5/A4.801 | C5/A4.801 | E3/A4.801 | -- | 1 |
| D115M | -- | -- | 5'-4" | 7'-4" | -- | -- | 5'-4" | FR 4B | 8" | HM | -- | B5/A4.801 | C5/A4.801 | E3/A4.801 | -- | 1 |
| D115N | -- | -- | 5'-4" | 7'-4" | -- | -- | 5'-4" | FR 4B | 8" | HM | -- | B5/A4.801 | C5/A4.801 | E3/A4.801 | -- | 1 |
| D115P | -- | -- | 5'-4" | 7'-4" | -- | -- | 5'-4" | FR 4B | 6" | HM | -- | E1/A4.801 | F1/A4.801 / F2/A4.802 | E3/A4.801 | -- | 1,2 |
| D115Q | -- | -- | 5'-4" | 7'-4" | -- | -- | 5'-4" | FR 4B | 6" | HM | -- | E1/A4.801 | F2/A4.802 | E3/A4.801 | -- | 1,2 |
| D115R | -- | -- | 5'-4" | 7'-4" | -- | -- | 5'-4" | FR 4B | 6" | HM | -- | E1/A4.801 | F1/A4.801 / F2/A4.802 | E3/A4.801 | -- | 1,2 |
| D115S | -- | -- | 2'-8" | 3'-4" | -- | -- | 2'-8" | FR 4A | -- | HM | -- | B5/A4.801 | C5/A4.801 | C5/A4.801 | -- | |
| D115T | -- | -- | 2'-8" | 3'-4" | -- | -- | 2'-8" | FR 4A | -- | HM | -- | B5/A4.801 | C5/A4.801 | C5/A4.801 | -- | |
| D116 | N | 2 | 3'-0" | 6'-9 1/4" | HM | 60 MIN | 6'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 708R |
| D117 | F | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | E5/A4.801 | F5/A4.801 | -- | | 801CL |
| D118 | F | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | E5/A4.801 | F5/A4.801 | -- | | 801CL |
| D119 | F | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 201C |
| D120 | N | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B7/A4.801 | C7/A4.801 | -- | | 501 |
| D120A | F | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 301 |
| D120B | F | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 301 |
| D121A | N | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B7/A4.801 | C7/A4.801 | -- | | 701 |
| D121B | N | 1 | 3'-0" | 7'-2" | WD | 90 MIN | 3'-4" | FR 1 | -- | HM | -- | B7/A4.801 | C7/A4.801 | -- | | 701R |
| D123A | N | 2 | 4'-0" | 7'-2" | HM | 60 MIN | 8'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | | 738R |
| D123B | N | 1 | 4'-0" | 7'-2" | HM | 60 MIN | 9'-8" | FR 3A | -- | HM | -- | B5/A4.801 | C5/A4.801 | E7/A4.801 | | 739RW |

**ROOM FINISH SCHEDULE - ML AREA D**

| ROOM NO | ROOM NAME | FLOOR | BASE | N WALL - TYP MATL | N WALL - TYP FIN | E WALL MATL | E WALL FIN | S WALL MATL | S WALL FIN | W WALL MATL | W WALL FIN | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D100 | VESTIBULE | CPT-1 | VB-1 | CMU | PT-6A | | | | | | | |
| D101 | CIRC | LVT-1 | VB-1 | CMU | PT-6A | | | | | | | |
| D102 | GYMNASIUM | RAF-4 | VB-1 | CMU | PT-6A/ PT-6C/ PT-6D/ ACP-1,2,3 | | | | | | | |
| D103 | STORAGE | CONC | VB-1 | CMU | PT-6A | | | | | | | |
| D104 | CIRC | LVT-1 | VB-1 | CMU | PT-6A | | | | | | | |
| D104A | OFFICE | CPT-2 | VB-1 | CMU | PT-6A | | | | | | | |
| D104B | ELEC | CONC | VB-1 | CMU | PT-6A | | | | | | | |
| D104C | IDF | CONC | VB-1 | CMU | PT-6A | | | | | | | |
| D105 | BOYS LOCKER ROOM | RES-1 | RESB-1 | CMU | PT-6A | | | | | | | |
| D106 | TOILET | P TILE-1 | CT BASE TRIM | CMU | C TILE-1,2 | | | | | | | 2 |
| D106A | SHOWER | P TILE-1 | CT BASE TRIM | CMU | C TILE-1,2 | | | | | | | 2 |
| D106B | SHOWER | P TILE-1 | CT BASE TRIM | CMU | C TILE-1,2 | | | | | | | 2 |
| D107 | LAUNDRY | CONC | VB-1 | CMU | PT-6A | | | | | | | |
| D108 | OFFICE | LVT-1 | VB-1 | CMU | PT-6A | | | | | | | |
| D109 | CIRC | LVT-1 | VB-1 | CMU | PT-6A | | | | | | | |
| D110 | OFFICE | LVT-1 | VB-1 | CMU | PT-6A | | | | | | | |
| D111 | GIRLS LOCKER ROOM | RES-1 | RESB-1 | CMU | PT-6A | | | | | | | |
| D112 | TOILET | P TILE-1 | CT BASE TRIM | CMU | C TILE-1,2 | | | | | | | 2 |
| D112A | SHOWER | P TILE-1 | CT BASE TRIM | CMU | C TILE-1,2 | | | | | | | 2 |
| D112B | SHOWER | P TILE-1 | CT BASE TRIM | CMU | C TILE-1,2 | | | | | | | 2 |
| D113 | OFFICIALS LOCKER RM | LVT-1 | VB-1 | CMU | PT-6A | | | | | | | |
| D113A | TOILET/SHOWER | P TILE-1 | CT BASE TRIM | CMU | PT-6A | | | | | | | 2 |
| D114 | STORAGE | CONC | VB-1 | CMU | PT-6A | | | | | | | |
| D115 | WEIGHT ROOM | RAF-1,2,3 / TURF-1 | VB-1 | EXIST/ CMU | ACP-1,2,3/ PT-6A | EXIST/ CMU | ACP-1,2,3/ PT-6A | EXIST/ CMU | ACP-1/ PT-6A | CMU | ACP-1,2,3/ PT-6A | |
| D115A | STORAGE | CONC | VB-1 | CMU | PT-6A | | | | | | | |
| D116 | STAIR | RBST-1 | VB-1 | CMU | PT-6A | | | | | | | |
| D117 | TOILET | P TILE-1 | CT BASE TRIM | CMU/ EXIST | C TILE-1,2 | EXIST/ CMU | C TILE-1,2 | EXIST | C TILE-1,2 | CMU | C TILE-1,2 | 2 |
| D118 | TOILET | P TILE-1 | CT BASE TRIM | CMU/ EXIST | C TILE-1,2 | CMU | C TILE-1,2 | EXIST | C TILE-1,2 | EXIST/ CMU | C TILE-1,2 | 2 |
| D119 | CUST | CONC | VB-1 | CMU | PT-6A | EXIST | FRP-1 | CMU | FRP-1 | CMU | PT-6A | |
| D120 | LOUNGE | LVT-1 | VB-1 | CMU/ EXIST | PT-6A | CMU | PT-6A | EXIST/ CMU | PT-6A | EXIST/CMU | PT-6A | |
| D120A | TOILET | P TILE-1 | CT BASE TRIM | CMU | C TILE-1,2 | CMU | C TILE-1,2 | EXIST | C TILE-1,2 | CMU | C TILE-1,2 | 2 |
| D120B | TOILET | P TILE-1 | CT BASE TRIM | CMU | C TILE-1,2 | CMU | C TILE-1,2 | CMU | C TILE-1,2 | CMU | C TILE-1,2 | 2 |
| D121 | MINER HUB | CPT-2/ LVT-1 | VB-1 | CMU/ EXIST | PT-6A | EXIST/ CMU | PT-6A | EXIST/ CMU | PT-6A | CMU | PT-6A | |
| D122 | CIRC | LVT-1 | VB-1 | EXIST | PT-6A | CMU | PT-6A | EXIST/ CMU/ GWB | PT-6A | EXIST | PT-6A | |

# Linton-Stockton Addition and Renovation

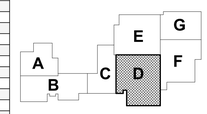
10 H St NE
Linton, IN 47441

260804037

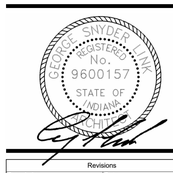
**Linton-Stockton Schools**
10 H St NE, Linton, IN 47441

Wold VPS


**WOLD ARCHITECTS AND ENGINEERS**
1060 N. Capitol Avenue, Suite 3-101
Indianapolis, IN 46204
woldae.com | 317 353 3281


KEY PLAN




| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

Comm: **260804037**
Date: **09/25/2026**
Drawn: **MJS/MN/HV/CH**
Check: **DS/HV**

North

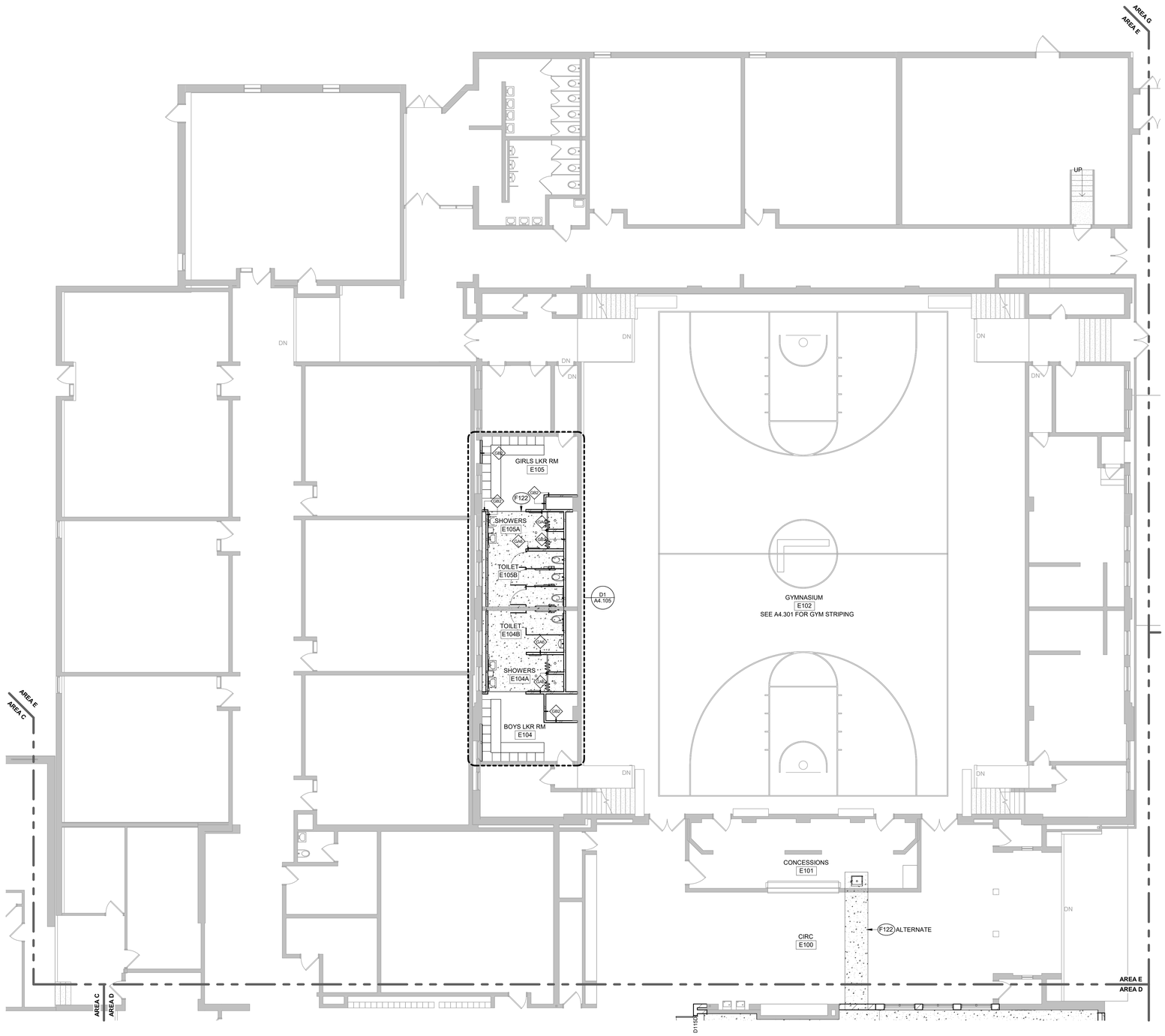
# MAIN LEVEL FLOOR PLAN - AREA D

Scale: **As Indicated**

# A2.01d


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IN




## ROOM FINISH SCHEDULE GENERAL NOTES

1. IF ALL WALLS IN ROOM HAVE THE SAME FINISH, THE "N WALL-TYP" COLUMN WILL BE USED.
2. DISCREPANCIES BETWEEN THE ROOM FINISH SCHEDULE AND DRAWINGS SHALL BE REPORTED TO THE ARCHITECT FOR FINISH DETERMINATION.
3. ON WALLS WHICH ARE COVERED WITH MILLWORK, A FINISH SHALL NOT BE APPLIED TO THE WALL BEHIND. CONCRETE BLOCK BEHIND MILLWORK AND MARKERBOARDS TO BE TOOLED.
4. REFER TO INTERIOR MATERIAL FINISH / COLOR SCHEDULE FOR SPECIFIED FINISH TYPES AND COLORS.
5. ALL ELEVATOR FINISHES, OTHER THAN FLOOR MATERIAL, ARE SPECIFIED TO BE PROVIDED BY ELEVATOR MANUFACTURER.
6. ELEVATOR FLOOR FINISH TO BE _____.
7. PROVIDE VINYL BASE AT CASEWORK.

## FLOOR PLAN GENERAL NOTES

1. ALL PLAN DIMENSIONS ARE NOMINAL TO FACE OF WALL. WALL THICKNESSES ARE SHOWN NOMINAL, SEE WALL TYPES FOR ACTUAL THICKNESS.
2. ALL GWB / METAL STUD WALLS ARE TO BE 5 INCHES THICK UNLESS OTHERWISE NOTED.
3. ALL CONCRETE BLOCK WALLS ARE TO BE 8 INCHES THICK UNLESS OTHERWISE NOTED.
4. COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECH. AND ELEC. PROVIDE ALL REQUIRED LINTELS FOR OPENINGS. SEE LINTEL SCHEDULE.
5. FIELD VERIFY ALL MILLWORK OPENINGS.
6. SET FLOOR DRAINS 3/4" BELOW FINISHED CONCRETE FLOORS UNLESS OTHERWISE NOTED. PROVIDE CONSISTENT SLOPE FROM WALL TO DRAIN BY SLOPING CONCRETE, MIN. 1/4" PER FOOT.
7. VERIFY LOCATION, SIZE AND QUANTITY OF ALL EQUIPMENT PADS WITH MECHANICAL AND ELECTRICAL.
8. ALL DOOR / SIDELITE OPENINGS TO BEGIN 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
9. ALL GWB / METAL STUD WALLS ARE CENTERED ON GRID UNLESS OTHERWISE NOTED.
10. FIRE RATED WALLS ARE INDICATED ON CODE PLANS.

| Keynote Legend | |
|---|---|
| **Key Value** | **Keynote Text** |
| **F122** | **CONC SLAB INFILL TO BE FLUSH WITH ADJACENT EXISTING CONC SLAB. SEE STRUCTURAL AND MECHANICAL FOR MORE INFORMATION.** |

## ROOM FINISH SCHEDULE REMARKS

1. WHERE GYPSUM WALL OCCUR, PROVIDE HIGH IMPACT GYPSUM BOARD UP TO 4'. PROVIDE NORMAL GYPSUM BOARD ABOVE THE HIGH IMPACT, TO TOP OF WALL EXTENTS.
2. PROVIDE TILE PATTERN FULL HEIGHT. SEE PATTERN F5/ A4.401.

**ROOM FINISH SCHEDULE**

| ROOM NO | ROOM NAME | FLOOR | BASE | N WALL - TYP | | E WALL | | S WALL | | W WALL | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | MATL | FIN | MATL | FIN | MATL | FIN | MATL | FIN | |
| E100 | CIRC | LVT-1 | VB-1 | EXIST | PT-6A | EXIST | PT-6A | EXIST/ CMU | PT-6A | EXIST | PT-6A | |
| E101 | CONCESSIONS | LVT-1 | VB-1 | EXIST | EXIST | | | | | | | |
| E102 | GYMNASIUM | EXIST | EXIST | EXIST | PT-6A | | | | | | | |
| E104 | BOYS LKR RM | EXIST CONC | VB-1 | GWB | PT-6A | EXIST/ GWB | PT-6A | EXIST | PT-6A | EXIST/ GWB | PT-6A | |
| E104A | SHOWERS | P TILE-1 | CT BASE TRIM | GWB | C TILE-1,2 | | | | | | | 2 |
| E104B | TOILET | P TILE-1 | CT BASE TRIM | GWB | C TILE-1,2 | | | | | | | 2 |
| E105 | GIRLS LKR RM | EXIST CONC | VB-1 | EXIST | PT-6A | EXIST | PT-6A | GWB | PT-6A | EXIST | PT-6A | |
| E105A | SHOWERS | P TILE-1 | CT BASE TRIM | GWB | C TILE-1,2 | | | | | | | 2 |
| E105B | TOILET | P TILE-1 | CT BASE TRIM | GWB | C TILE-1,2 | | | | | | | 2 |

1

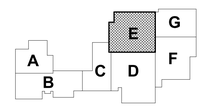
# Linton-Stockton Addition and Renovation

10 H St NE
Linton, IN 47441

260804037

**Linton-Stockton Schools**
10 H St NE, Linton, IN 47441


**WOLD ARCHITECTS AND ENGINEERS**
1060 N. Capitol Avenue, Suite 3-101
Indianapolis, IN 46204
woldae.com | 317 353 3281


**KEY PLAN**




| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

Comm: **260804037**
Date: **09/25/2026**
Drawn: **MJS/MN/HV/CH**
Check: **DS/HV**

North

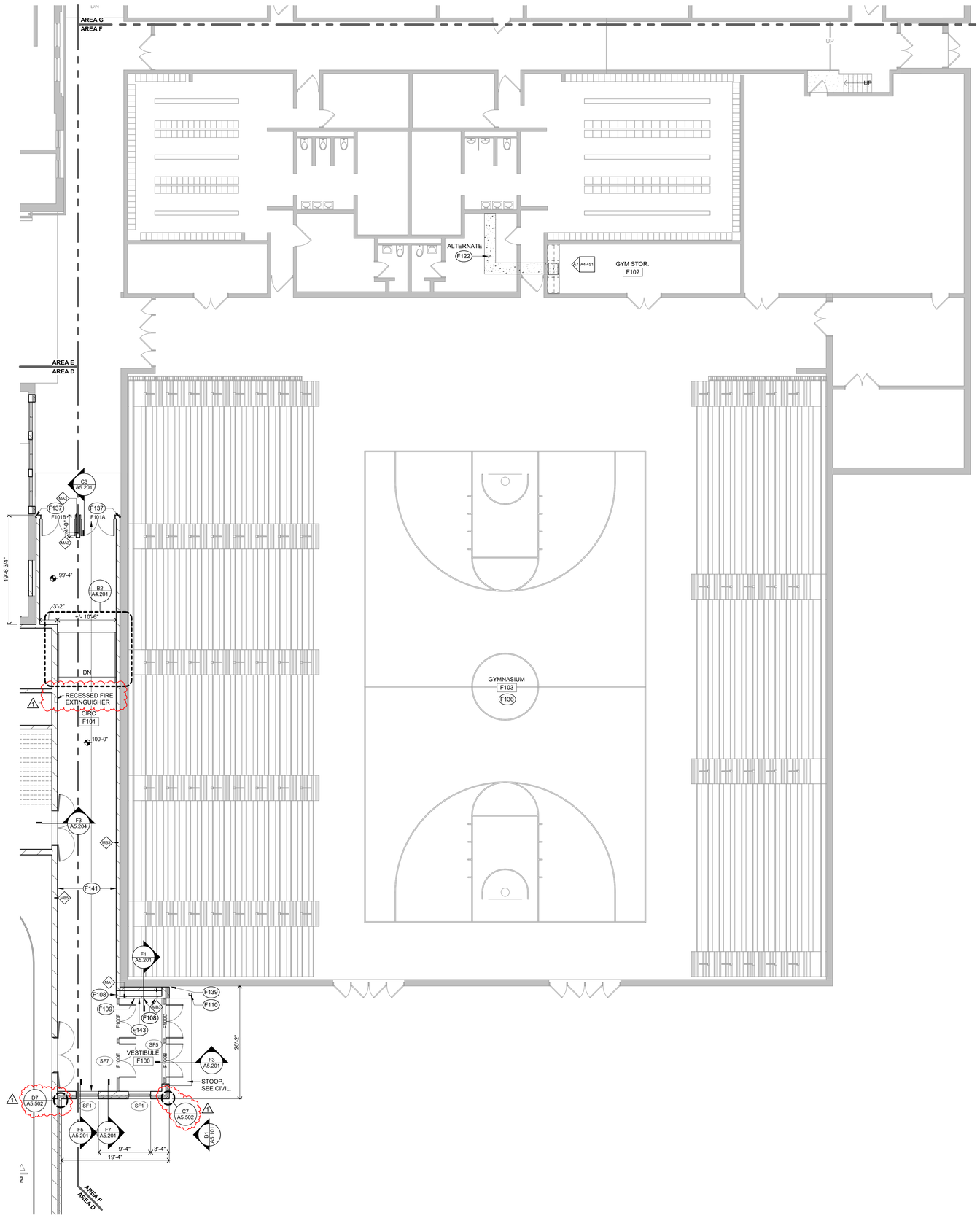
# MAIN LEVEL FLOOR PLAN - AREA E

Scale: **As Indicated**

# A2.01e

F1 **MAIN LEVEL FLOOR PLAN - AREA E**
1/8" = 1'-0"


Submitted Drawings from Effective Review Set Addition and Renovation Linton-Stockton Addition and Renovation.rvt
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**F1** MAIN LEVEL FLOOR PLAN - AREA F
1/8" = 1'-0"
0

**DOOR / OPENING SCHEDULE**

| DOOR NO | DOOR / OPENING TYPE | QTY | WIDTH | HEIGHT | MATL | LABEL/ RATING | OVER ALL WIDTH | FRAME TYPE | FRAME DEPTH | FRAME MATL | GL | MOUNTING CONDITIONS HEAD | JAMB | SILL | HDW GRP | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F101A | N | 2 | 3'-0" | 6'-9 1/4" | HM | 60 MIN | 6'-4" | FR 1 | -- | HM | -- | BS/A4.801 | CS/A4.801 | -- | 738R | |
| F101B | N | 2 | 3'-0" | 6'-9 1/4" | HM | 60 MIN | 6'-4" | FR 1 | -- | HM | -- | BS/A4.801 | CS/A4.801 | -- | 738R | |
| F100B | AL | 2 | 3'-0" | 7'-0" | AL | -- | 6'-0" | SF 5 | -- | AL | -- | SEE ELEVATION | SEE ELEVATION | SEE ELEVATION | 714AM | |
| F100C | AL | 2 | 3'-0" | 7'-0" | AL | -- | 6'-0" | SF 5 | -- | AL | -- | SEE ELEVATION | SEE ELEVATION | SEE ELEVATION | AC714AM | |
| F100E | AL | 2 | 3'-0" | 7'-0" | AL | -- | 6'-0" | SF 7 | -- | AL | -- | SEE ELEVATION | SEE ELEVATION | SEE ELEVATION | 800AV | |
| F100F | AL | 2 | 3'-0" | 7'-0" | AL | -- | 6'-0" | SF 7 | -- | AL | -- | SEE ELEVATION | SEE ELEVATION | SEE ELEVATION | A800AV | |

**ROOM FINISH SCHEDULE - ML AREA F**

| ROOM NO | ROOM NAME | FLOOR | BASE | N WALL - TYP MATL | N WALL - TYP FIN | E WALL MATL | E WALL FIN | S WALL MATL | S WALL FIN | W WALL MATL | W WALL FIN | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F100 | VESTIBULE | CPT-1 | VB-1 | CMU | PT-6A | -- | -- | CMU | PT-6A | -- | -- | |
| F101 | CIRC. | LVT-1 | VB-1 | -- | -- | CMU | PT-6A | CMU | PT-6A | CMU | PT-6A | |
| F102 | GYM STOR. | EXIST | EXIST | EXIST | EXIST | | | | | | | |
| F103 | GYMNASIUM | EXIST | EXIST | EXIST | PT- | EXIST | PT- | EXIST | PT- | EXIST | PT- | |

**Keynote Legend**

| Key Value | Keynote Text |
|---|---|
| F108 | DOOR ACTUATOR, SEE ALSO ELECTRICAL. |
| F109 | CARD READER, SEE ALSO ELECTRICAL. |
| F110 | PEDESTAL MOUNTED DOOR ACTUATOR, CARD READER, AND VIDEO INTERCOM, SEE DETAILS C6/A6.001 AND D6/A6.001 AND SEE ALSO ELECTRICAL. |
| F122 | CONC SLAB INFILL TO BE FLUSH WITH ADJACENT EXISTING CONC SLAB, SEE STRUCTURAL AND MECHANICAL FOR MORE INFORMATION. |
| F136 | ALL WALLS TO BE PAINTED, SEE ROOM FINISH SCHEDULE. REMOVE AND REPLACE ALL WALL MOUNTED ACCESSORIES/EQUIPMENT AS REQUIRED. WORK TO BE PART OF GYM F103 ALTERNATE. |
| F137 | INTERIOR EXPANSION JOINT WALL COVER. |
| F139 | PRECOMPRESSED EXTERIOR EXPANSION JOINT WALL SEAL. |
| F141 | PROVIDE 1-HOUR SPRAY APPLIED FIREPROOFING TO UNDERSIDE OF FLOOR/ROOF DECK AS OCCURS WITHIN EXIT PASSAGEWAY, INCLUDING ALL SUPPORTING STRUCTURAL MEMBERS. SEE CODE PLAN FOR EXIT PASSAGEWAY EXTENTS. |
| F143 | WALL MOUNTED UNIT HEATER, SEE MECHANICAL AND SEE DETAIL F4/A4.706. |

## ROOM FINISH SCHEDULE REMARKS

1. WHERE GYPSUM WALL OCCUR, PROVIDE HIGH IMPACT GYPSUM BOARD UP TO 4'. PROVIDE NORMAL GYPSUM BOARD ABOVE THE HIGH IMPACT, TO TOP OF WALL EXTENTS.
2. PROVIDE TILE PATTERN FULL HEIGHT. SEE PATTERN F5/ A4.401.

## DOOR SCHEDULE GENERAL NOTES

1. ALL DOORS ARE 1 3/4" THICK UNLESS OTHERWISE NOTED.
2. FOR FRAME DEPTH, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED:
   GYPSUM BOARD PARTITIONS: THROAT OF FRAME TO MATCH WALL THICKNESS.
   MASONRY PARTITIONS:
   4" WALL: 3 3/4" FRAME
   6" WALL: 5 3/4" FRAME
   8" AND GREATER WALL: 7 3/4" FRAME
   EXTERIOR MASONRY WALLS: 11 3/4" FRAME
   - FRAME DEPTHS ARE SCHEDULED IN NOMINAL DIMENSIONS. SEE FRAME / DOOR TYPES FOR CORRESPONDING ACTUAL DIMENSIONS.
3. FOR GLASS TYPES, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED:
   INTERIOR NON-RATED: CLEAR (SAFETY WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION.)
   INTERIOR AND EXTERIOR RATED: FIRE RATED
   EXTERIOR NON-RATED: CLEAR INSULATED (SAFETY INSULATED WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION.)
4. SEE DRAWING A2.901 FOR DOOR PANEL & HOLLOW METAL (HM) FRAME TYPES.
5. UNLESS OTHERWISE NOTED, FINISH PAINT NEW HOLLOW METAL (HM) FRAMES AS INDICATED PER THE MATERIAL FINISH SCHEDULE.
6. AT DOOR SCHEDULE, LABEL DESIGNATION "45/20" INDICATES:
   FOR ALL OPENINGS WITH SIDE LITES AND SCHEDULED TO BE RATED FOR 20 MINUTES, THE DOOR AND ANY GLASS WITHIN THE DOOR IS TO BE RATED FOR 20 MINUTES. THE FRAME AND ADJACENT SIDELITE(S) GLASS AND FRAME IS TO BE RATED FOR 45 MINUTES."

## DOOR SCHEDULE REMARKS

1. PROVIDE HM FRAME DEPTH AS SCHEDULED IS FOR BORDER MULLIONS. PROVIDE 5" DEPTH FOR ALL INTERIOR MULLIONS.
2. SEE FLOOR PLAN KEYNOTE F107 FOR JAMB AT NEW MASONRY WALL TOOTHED INTO EXISTING.

## FLOOR PLAN GENERAL NOTES

1. ALL PLAN DIMENSIONS ARE NOMINAL TO FACE OF WALL. WALL THICKNESSES ARE SHOWN NOMINAL, SEE WALL TYPES FOR ACTUAL THICKNESS.
2. ALL GWB / METAL STUD WALLS ARE TO BE 5 INCHES THICK UNLESS OTHERWISE NOTED.
3. ALL CONCRETE BLOCK WALLS ARE TO BE 8 INCHES THICK UNLESS OTHERWISE NOTED.
4. COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECH. AND ELEC. PROVIDE ALL REQUIRED LINTELS FOR OPENINGS. SEE LINTEL SCHEDULE.
5. FIELD VERIFY ALL MILLWORK OPENINGS.
6. SET FLOOR DRAINS 3/4" BELOW FINISHED CONCRETE FLOORS UNLESS OTHERWISE NOTED. PROVIDE CONSISTENT SLOPE FROM WALL TO DRAIN BY SLOPING CONCRETE, MIN. 1/4" PER FOOT.
7. VERIFY LOCATION, SIZE AND QUANTITY OF ALL EQUIPMENT PADS WITH MECHANICAL AND ELECTRICAL.
8. ALL DOOR / SIDELITE OPENINGS TO BEGIN 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
9. ALL GWB / METAL STUD WALLS ARE CENTERED ON GRID UNLESS OTHERWISE NOTED.
10. FIRE RATED WALLS ARE INDICATED ON CODE PLANS.

## ROOM FINISH SCHEDULE GENERAL NOTES

1. IF ALL WALLS IN ROOM HAVE THE SAME FINISH, THE "N WALL-TYP" COLUMN WILL BE USED.
2. DISCREPANCIES BETWEEN THE ROOM FINISH SCHEDULE AND DRAWINGS SHALL BE REPORTED TO THE ARCHITECT FOR FINISH DETERMINATION.
3. ON WALLS WHICH ARE COVERED WITH MILLWORK, A FINISH SHALL NOT BE APPLIED TO THE WALL BEHIND. CONCRETE BLOCK BEHIND MILLWORK AND MARKERBOARDS TO BE TOOLED.
4. REFER TO INTERIOR MATERIAL FINISH / COLOR SCHEDULE FOR SPECIFIC FINISH TYPES AND COLORS.
5. ALL ELEVATOR FINISHES, OTHER THAN FLOOR MATERIAL, ARE SPECIFIED TO BE PROVIDED BY ELEVATOR MANUFACTURER.
6. ELEVATOR FLOOR FINISH TO BE _____.
7. PROVIDE VINYL BASE AT CASEWORK.

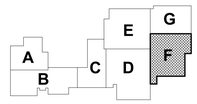
# Linton-Stockton Addition and Renovation

10 H St NE
Linton, IN 47441

260804037

**Linton-Stockton Schools**
10 H St NE, Linton, IN 47441


**WOLD ARCHITECTS AND ENGINEERS**
1060 N. Capitol Avenue, Suite 3-101
Indianapolis, IN 46204
woldae.com | 317 353 3281


KEY PLAN




| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

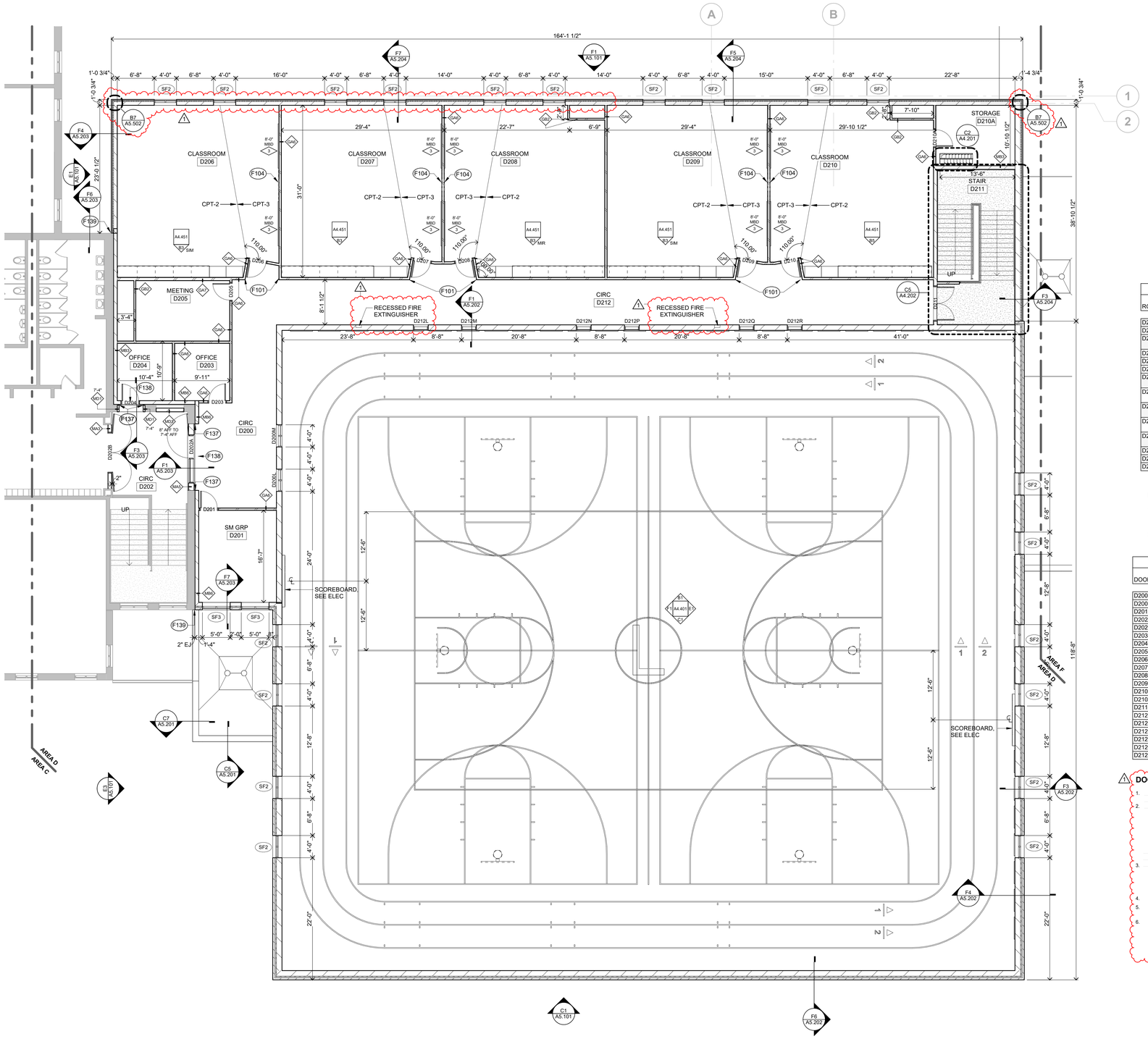
Comm: **260804037**
Date: **09/25/2026**
Drawn: **MJS/MN/HV/CH**
Check: **DS/HV**
North

# MAIN LEVEL FLOOR PLAN - AREA F

Scale: **As indicated**

# A2.01f


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**IN**

**A**

**F1** UPPER LEVEL FLOOR PLAN - AREA D
1/8" = 1'-0"

**FLOOR PLAN GENERAL NOTES**

1. ALL PLAN DIMENSIONS ARE NOMINAL TO FACE OF WALL. WALL THICKNESSES ARE SHOWN NOMINAL, SEE WALL TYPES FOR ACTUAL THICKNESS.
2. ALL GWB / METAL STUD WALLS ARE TO BE 5 INCHES THICK UNLESS OTHERWISE NOTED.
3. ALL CONCRETE BLOCK WALLS ARE TO BE 8 INCHES THICK UNLESS OTHERWISE NOTED.
4. COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECH. AND ELEC. PROVIDE ALL REQUIRED LINTELS FOR OPENINGS. SEE LINTEL SCHEDULE.
5. FIELD VERIFY ALL MILLWORK OPENINGS.
6. SET FLOOR DRAINS 3/4" BELOW FINISHED CONCRETE FLOORS UNLESS OTHERWISE NOTED. PROVIDE CONSISTENT SLOPE FROM WALL TO DRAIN BY SLOPING CONCRETE, MIN. 1/4" PER FOOT.
7. VERIFY LOCATION, SIZE AND QUANTITY OF ALL EQUIPMENT PADS WITH MECHANICAL AND ELECTRICAL.
8. ALL DOOR / SIDELITE OPENINGS TO BEGIN 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
9. ALL GWB / METAL STUD WALLS ARE CENTERED ON GRID UNLESS OTHERWISE NOTED.
10. FIRE RATED WALLS ARE INDICATED ON CODE PLANS.

| Keynote Legend | |
|---|---|
| **Key Value** | **Keynote Text** |
| **F101** | **PAINT WALL PT-6E CORNER TO CORNER.** |
| **F104** | **PROVIDE 4'-0" × 8'-0" PLYWOOD BACKING AT MONITOR LOCATION. SEE DETAIL CS/A4.705** |
| **F137** | **INTERIOR EXPANSION JOINT WALL COVER.** |
| **F138** | **INTERIOR EXPANSION JOINT FLOOR COVER.** |
| **F139** | **PRECOMPRESSED EXTERIOR EXPANSION JOINT WALL SEAL.** |

**ROOM FINISH SCHEDULE - UL AREA D**

| ROOM NO | ROOM NAME | FLOOR | BASE | N WALL - TYP MATL | N WALL - TYP FIN | E WALL MATL | E WALL FIN | S WALL MATL | S WALL FIN | W WALL MATL | W WALL FIN | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D200 | CIRC | LVT-1 | VB-1 | GWB | PT-6A | CMU | PT-6A | GWB | PT-6A | CMU/ GWB | PT-6A | |
| D201 | SM GRP | CPT-2 | VB-1 | GWB | PT-6A | CMU | PT-6A | CMU | PT-6A | CMU | PT-6A | |
| D202 | CIRC | LVT-1 | VB-1 | EXIST/ CMU | PT-6A | EXIST/ CMU | PT-6A | EXIST | PT-6A | EXIST/ CMU | PT-6A | |
| D203 | OFFICE | CPT-2 | VB-1 | GWB | PT-6A | GWB | PT-6A | CMU/ GWB | PT-6A | GWB | PT-6A | 1 |
| D204 | OFFICE | CPT-2 | VB-1 | GWB | PT-6A | GWB | PT-6A | CMU | PT-6A | CMU | PT-6A | 1 |
| D205 | MEETING | CPT-2 | VB-1 | GWB | PT-6A | | | | | | | 1 |
| D206 | CLASSROOM | CPT-2/ CPT-3 | VB-1 | CMU | PT-6A | GWB | PT-6B | GWB | PT-6A | CMU | PT-6A | 1 |
| D207 | CLASSROOM | CPT-2/ CPT-3 | VB-1 | CMU | PT-6A | GWB | PT-6B | GWB | PT-6A | GWB | PT-6A | 1 |
| D208 | CLASSROOM | CPT-2/ CPT-3 | VB-1 | CMU | PT-6A | GWB | PT-6A | GWB | PT-6A | GWB | PT-6B | 1 |
| D209 | CLASSROOM | CPT-2/ CPT-3 | VB-1 | CMU | PT-6A | GWB | PT-6B | GWB | PT-6A | GWB | PT-6A | 1 |
| D210 | CLASSROOM | CPT-2/ CPT-3 | VB-1 | CMU | PT-6A | CMU/ GWB | PT-6A | GWB | PT-6A | GWB | PT-6B | 1 |
| D210A | STORAGE | CONC | VB-1 | CMU | PT-6A | CMU | PT-6A | CMU | PT-6A | GWB | PT-6A | |
| D211 | STAIR | RBST-1 | VB-1 | CMU | PT-6A | | | | | | | |
| D212 | CIRC | LVT-1 | VB-1 | GWB | PT-6A | CMU | PT-6A | CMU | PT-6A | GWB | PT-6A | 1 |

**ROOM FINISH SCHEDULE REMARKS**

1. WHERE GYPSUM WALL OCCUR, PROVIDE HIGH IMPACT GYPSUM BOARD UP TO 4'. PROVIDE NORMAL GYPSUM BOARD ABOVE THE HIGH IMPACT, TO TOP OF WALL EXTENTS.
2. PROVIDE TILE PATTERN FULL HEIGHT. SEE PATTERN F5/ A4.401.

**DOOR / OPENING SCHEDULE**

| DOOR NO | DOOR / OPENING TYPE | QTY | WIDTH | HEIGHT | MATL | LABEL/ RATING | OVERALL WIDTH | FRAME TYPE | DEPTH | MATL | GL | MOUNTING CONDITIONS HEAD | JAMB | SILL | HDW GRP | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D200L | -- | -- | 4'-0" | 5'-8" | -- | -- | 4'-0" | FR 4D | 8" | HM | -- | E4/A4.802 | F4/A4.802 SIM | F4/A4.802 | | |
| D200M | -- | -- | 4'-0" | 5'-8" | -- | -- | 4'-0" | FR 4D | 8" | HM | -- | E4/A4.802 | F4/A4.802 SIM | F4/A4.802 | | |
| D201 | N | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B7/A4.801 | C7/A4.801 | -- | 503 | |
| D202A | N | 1 | 4'-0" | 7'-2" | WD | 60 MIN | 8'-8" | FR 3A | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | 739RW | |
| D202B | N | 2 | 3'-6" | 7'-2" | WD | 60 MIN | 7'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | 738R | |
| D203 | N | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B7/A4.801 | C7/A4.801 | -- | 103 | |
| D204 | N | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | 103 | |
| D205 | N | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B7/A4.801 | C7/A4.801 | -- | 503 | |
| D206 | N | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B7/A4.801 | C7/A4.801 | -- | 501 | |
| D207 | N | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B7/A4.801 | C7/A4.801 | -- | 501 | |
| D208 | N | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B7/A4.801 | C7/A4.801 | -- | 501 | |
| D209 | N | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B7/A4.801 | C7/A4.801 | -- | 501 | |
| D210 | N | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B7/A4.801 | C7/A4.801 | -- | 501 | |
| D210A | F | 1 | 3'-0" | 7'-2" | WD | -- | 3'-4" | FR 1 | -- | HM | -- | B7/A4.801 | C7/A4.801 | -- | 201C | |
| D211 | N | 2 | 3'-0" | 7'-2" | WD | 60 MIN | 6'-4" | FR 1 | -- | HM | -- | B5/A4.801 | C5/A4.801 | -- | 738R | |
| D212L | -- | -- | 2'-8" | 4'-8" | -- | -- | 2'-8" | FR 4C | 8" | HM | -- | E4/A4.802 | F4/A4.802 SIM | F4/A4.802 | | |
| D212M | -- | -- | 2'-8" | 4'-8" | -- | -- | 2'-8" | FR 4C | 8" | HM | -- | E4/A4.802 | F4/A4.802 SIM | F4/A4.802 | | |
| D212N | -- | -- | 2'-8" | 4'-8" | -- | -- | 2'-8" | FR 4C | 8" | HM | -- | E4/A4.802 | F4/A4.802 SIM | F4/A4.802 | | |
| D212P | -- | -- | 2'-8" | 4'-8" | -- | -- | 2'-8" | FR 4C | 8" | HM | -- | E4/A4.802 | F4/A4.802 SIM | F4/A4.802 | | |
| D212Q | -- | -- | 2'-8" | 4'-8" | -- | -- | 2'-8" | FR 4C | 8" | HM | -- | E4/A4.802 | F4/A4.802 SIM | F4/A4.802 | | |
| D212R | -- | -- | 2'-8" | 4'-8" | -- | -- | 2'-8" | FR 4C | 8" | HM | -- | E4/A4.802 | F4/A4.802 SIM | F4/A4.802 | | |

**DOOR SCHEDULE GENERAL NOTES**

1. ALL DOORS ARE 1 3/4" THICK UNLESS OTHERWISE NOTED.
2. FOR FRAME DEPTH. ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED:
   GYPSUM BOARD PARTITIONS: THROAT OF FRAME TO MATCH WALL THICKNESS.
   MASONRY PARTITIONS:
   4" WALL: 3 3/4" FRAME
   6" WALL: 5 3/4" FRAME
   8" AND GREATER WALL: 7 3/4" FRAME
   EXTERIOR MASONRY WALLS: 11 3/4" FRAME
   - FRAME DEPTHS ARE SCHEDULED IN NOMINAL DIMENSIONS. SEE FRAME / DOOR TYPES FOR CORRESPONDING ACTUAL DIMENSIONS.
3. FOR GLASS TYPES, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED:
   INTERIOR NON RATED: CLEAR (SAFETY WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION.)
   INTERIOR AND EXTERIOR RATED: FIRE RATED
   EXTERIOR NON-RATED: CLEAR INSULATED (SAFETY INSULATED WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION.)
4. SEE DRAWING A2.901 FOR DOOR PANEL & HOLLOW METAL (HM) FRAME TYPES.
5. UNLESS OTHERWISE NOTED, FINISH PAINT NEW HOLLOW METAL (HM) FRAMES AS INDICATED PER THE MATERIAL FINISH SCHEDULE.
6. AT DOOR SCHEDULE, LABEL DESIGNATION "45/20" INDICATES:
   FOR ALL OPENINGS WITH SIDE LITES AND SCHEDULED TO BE RATED FOR 20 MINUTES, THE DOOR AND ANY GLASS WITHIN THE DOOR IS TO BE RATED FOR 20 MINUTES; THE FRAME AND ADJACENT SIDELITE(S) GLASS AND FRAME IS TO BE RATED FOR 45 MINUTES."

**DOOR SCHEDULE REMARKS**

1. PROVIDE HM FRAME DEPTH AS SCHEDULED IS FOR BORDER MULLIONS. PROVIDE 5" DEPTH FOR ALL INTERIOR MULLIONS.
2. SEE FLOOR PLAN KEYNOTE F107 FOR JAMB AT NEW MASONRY WALL TOOTHED INTO EXISTING.

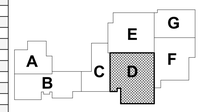
# Linton-Stockton Addition and Renovation

10 H St NE
Linton, IN 47441

260804037

**Linton-Stockton Schools**
10 H St NE, Linton, IN 47441


**WOLD ARCHITECTS AND ENGINEERS**
1060 N. Capitol Avenue, Suite 3-101
Indianapolis, IN 46204
woldae.com | 317 353 3281


**KEY PLAN**

FLOYD SNYDER LINK
REGISTERED
No. 9600157
STATE OF INDIANA

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

Comm: **260804037**
Date: **09/25/2026**
Drawn: **MJS/MN/HV/CH**
Check: **DS/HV**
North

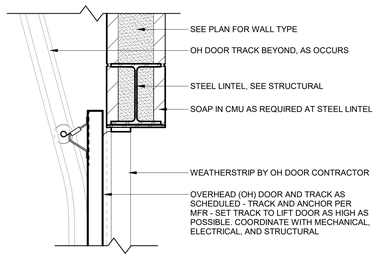
**UPPER LEVEL FLOOR PLAN - AREA D**

Scale: **As indicated**

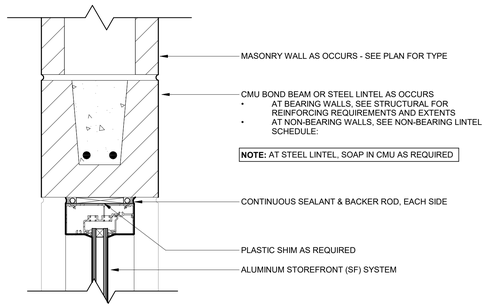
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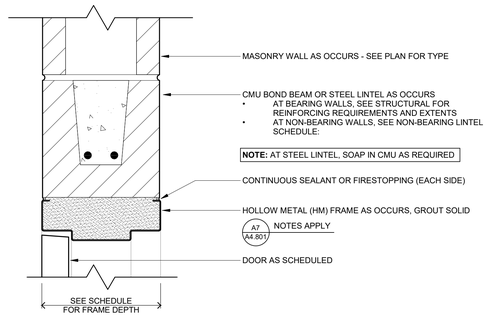
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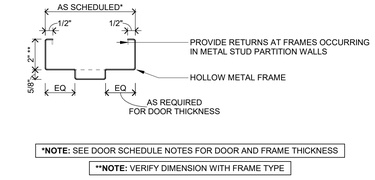

**B1 HEAD DETAIL AT INTERIOR OVERHEAD (OH) DOOR**
1 1/2" = 1'-0"



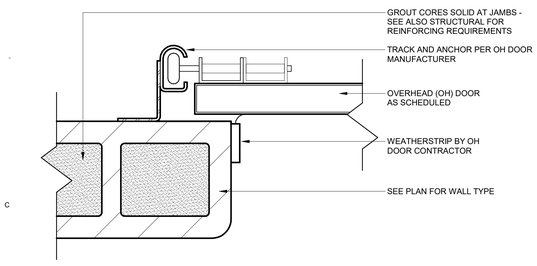

**B3 STOREFRONT INTERIOR HEAD DETAIL AT MASONRY WALL**
3" = 1'-0"



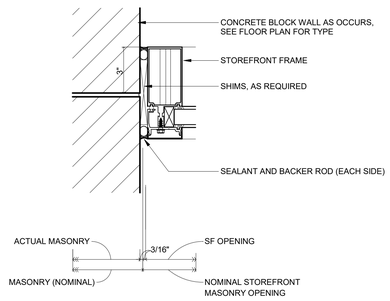

**B5 HEAD AT HOLLOW METAL (HM) FRAME & MASONRY WALL**
3" = 1'-0"



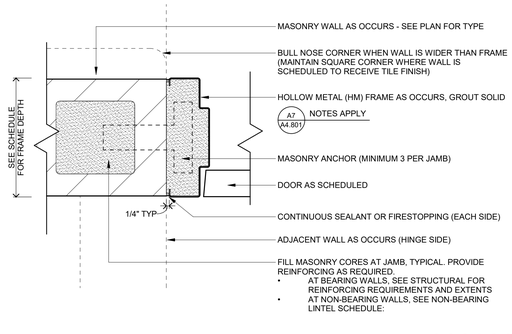

**A7 GENERAL NOTES AT HOLLOW METAL (HM) FRAMES**
3" = 1'-0"



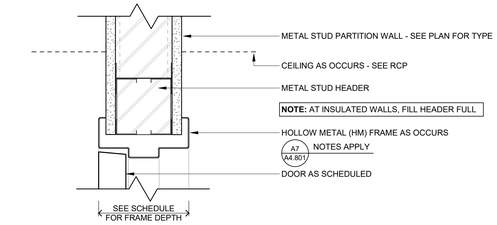

**C1 JAMB DETAIL AT INTERIOR OVERHEAD (OH) DOOR**
3" = 1'-0"



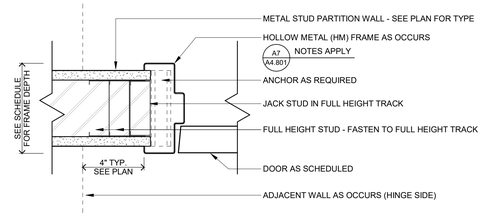

**C3 STOREFRONT INTERIOR JAMB DETAIL**
3" = 1'-0"



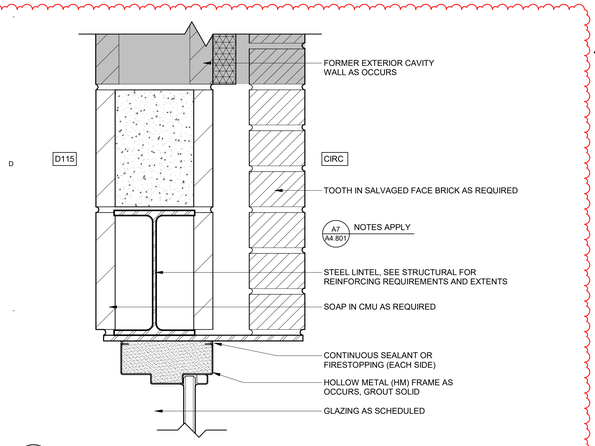

**C5 JAMB AT HOLLOW METAL (HM) FRAME & MASONRY WALL (SILL SIMILAR)**
3" = 1'-0"



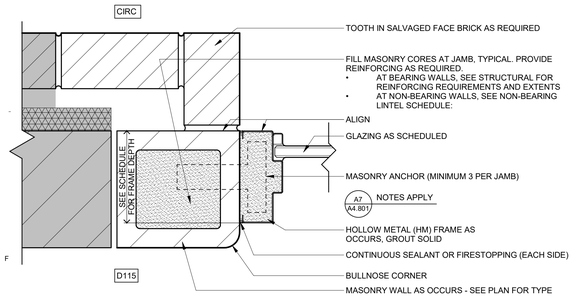

**B7 HEAD AT HOLLOW METAL (HM) FRAME & METAL STUD PARTITION WALL**
3" = 1'-0"



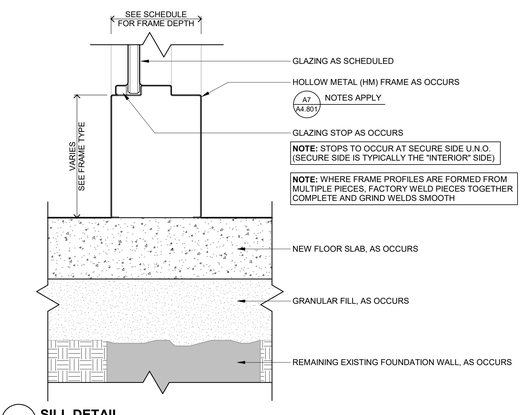

**C7 JAMB AT HOLLOW METAL (HM) FRAME & METAL STUD PARTITION WALL**
3" = 1'-0"



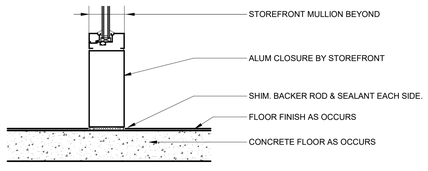

**E1 HEAD AT HOLLOW METAL BORROWED LITE AND FORMER EXTERIOR WALL**
3" = 1'-0"



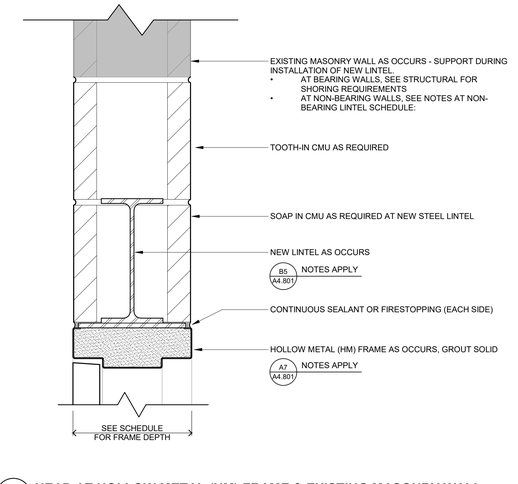

**F1 JAMB AT HOLLOW METAL (HM) FRAMES D115P AND D115R**
3" = 1'-0"



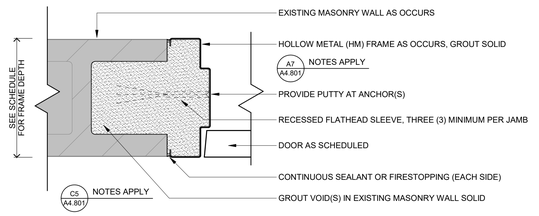

**E3 SILL DETAIL**
3" = 1'-0"



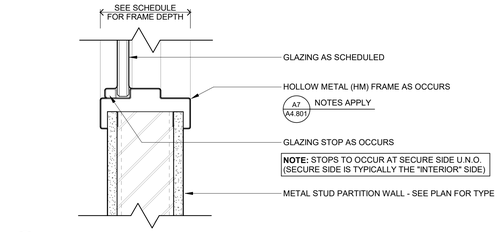

**F3 STOREFRONT INTERIOR SILL DETAIL**
1 1/2" = 1'-0"



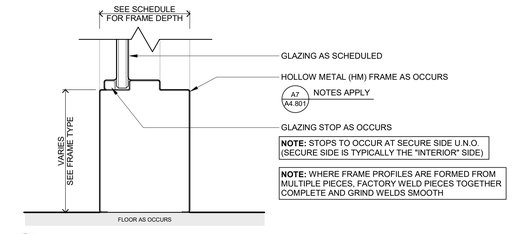

**E5 HEAD AT HOLLOW METAL (HM) FRAME & EXISTING MASONRY WALL**
3" = 1'-0"



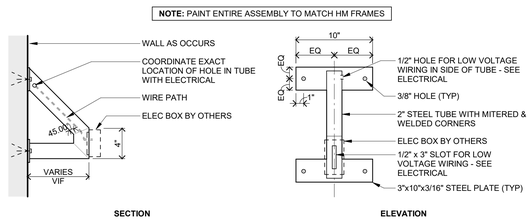

**F5 JAMB AT HOLLOW METAL (HM) FRAME & EXISTING MASONRY WALL**
3" = 1'-0"




**D7 SILL AT HOLLOW METAL (HM) FRAME & METAL STUD PARTITION WALL**
3" = 1'-0"




**E7 SILL DETAIL**
3" = 1'-0"




**F7 SECTION & ELEVATION AT HOLD OPEN SUPPORT**
1 1/2" = 1'-0"

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# Linton-Stockton Addition and Renovation

10 H St NE
Linton, IN 47441

260804037

**Linton-Stockton Schools**
10 H St NE, Linton, IN 47441

Wold VPS

**WOLD ARCHITECTS AND ENGINEERS**
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GEORGE SNYDER LINK
REGISTERED
No. 96600157
STATE OF INDIANA
PROFESSIONAL ENGINEER

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

Comm: **260804037**
Date: **09/25/2026**
Drawn: **HV/MJS**
Check: **DS/HV**

# DETAILS - INTERIOR OPENINGS

Scale: **As indicated**

# A4.801

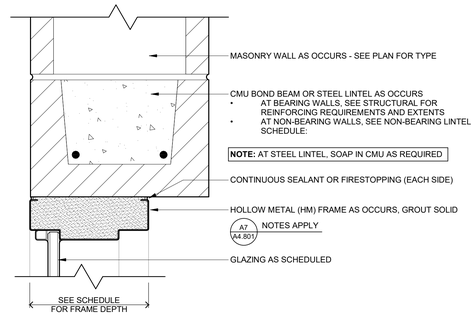
IN


**Linton-Stockton Addition and Renovation**

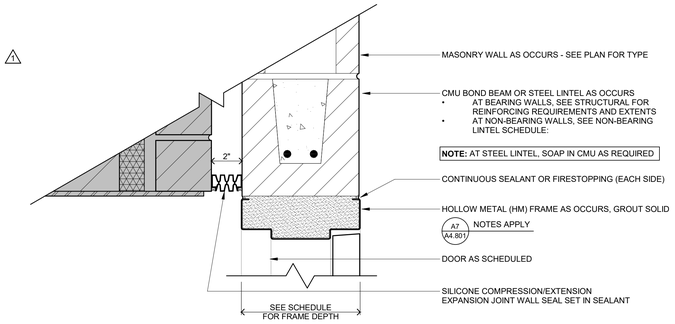
10 H St NE
Linton, IN 47441

260804037
**Linton-Stockton Schools**
10 H St NE, Linton, IN 47441

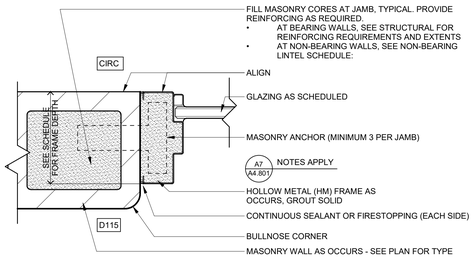
WOLD ARCHITECTS AND ENGINEERS
1060 N. Capitol Avenue, Suite 3-101
Indianapolis, IN 46204
woldae.com | 317 353 3281

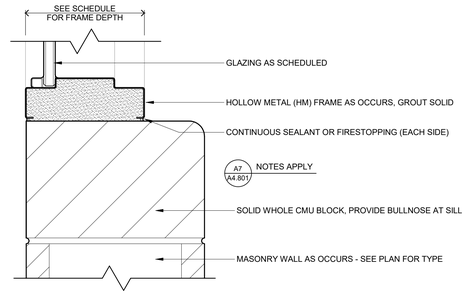

**E4** HEAD AT HOLLOW METAL (HM) FRAME & THICKER MASONRY WALL
3" = 1'-0"



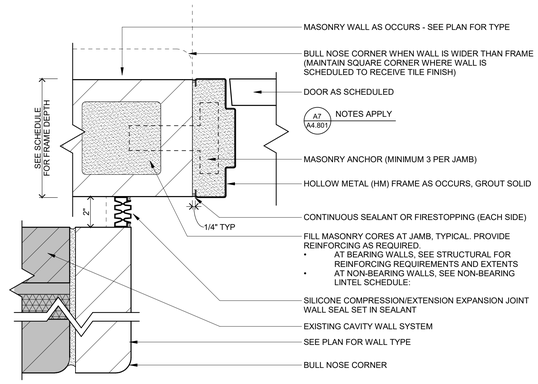

**E6** HEAD AT HOLLOW METAL (HM) FRAME & MASONRY WALL (D204)
3" = 1'-0"




**F2** JAMB AT HOLLOW METAL (HM) FRAMES D115P, D115Q, AND D115R
3" = 1'-0"




**F4** SILL AT HOLLOW METAL FRAME (HM) & THICKER MASONRY WALL (JAMB SIMILAR)
3" = 1'-0"




**F6** JAMB AT HOLLOW METAL (HM) FRAME & MASONRY WALL (D204)
3" = 1'-0"

GEORGE SNYDER JR. REGISTERED No. 9600157 STATE OF INDIANA

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

Comm: **260804037**
Date: **09/25/2026**
Drawn: **HV/MJS**
Check: **DS/HV**

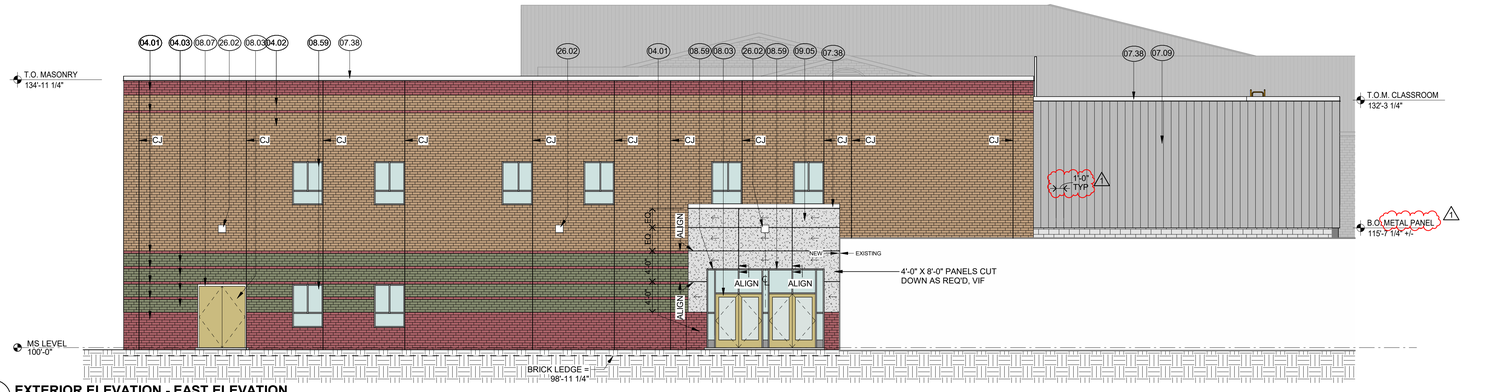
# DETAILS - INTERIOR OPENINGS

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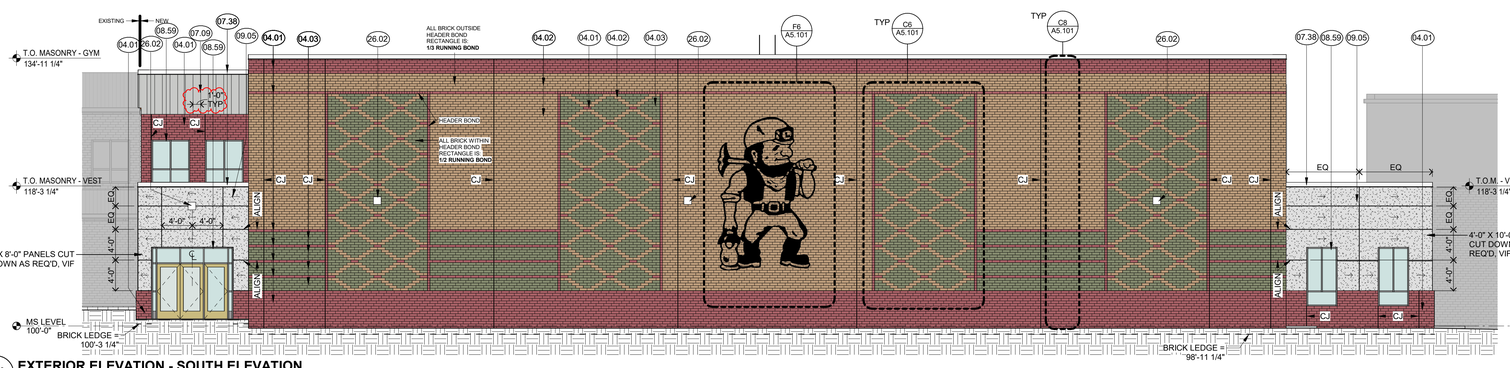
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IN

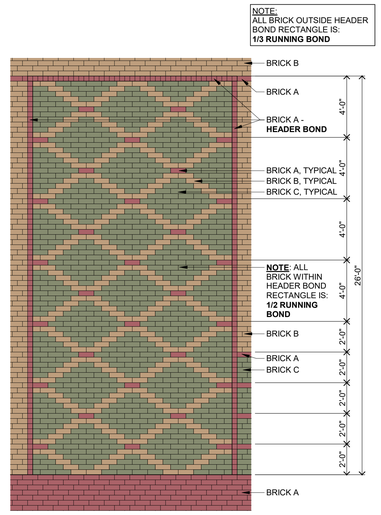



**B1** EXTERIOR ELEVATION - EAST ELEVATION
1/8" = 1'-0"

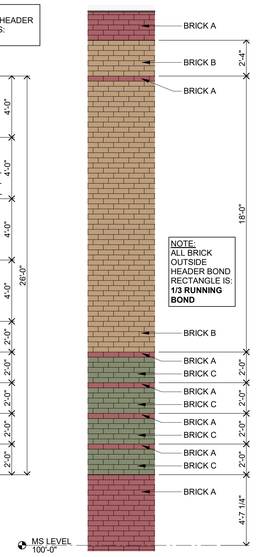



**C1** EXTERIOR ELEVATION - SOUTH ELEVATION
1/8" = 1'-0"

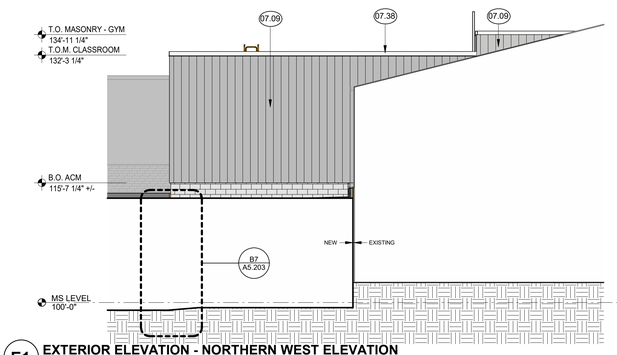
| MATERIALS KEY | |
|---|---|
| KEY | MATERIAL |
| 04.01 | BRICK A |
| 04.02 | BRICK B |
| 04.03 | BRICK C |
| 07.09 | METAL WALL PANEL - SIERRA TAN |
| 07.38 | PREFINISHED ALUMINUM COPING - MEDIUM BRONZE |
| 08.03 | PREFINISHED ALUMINUM DOOR - MEDIUM BRONZE |
| 08.07 | PREFINISHED ALUMINUM FRAME - MEDIUM BRONZE |
| 08.59 | PREFINISHED ALUMINUM STOREFRONT GLAZING SYSTEM - MEDIUM BRONZE |
| 09.05 | FIBER CEMENT PANEL |
| 26.02 | EXTERIOR WALL PACK LIGHT FIXTURE, SEE ELEC. |



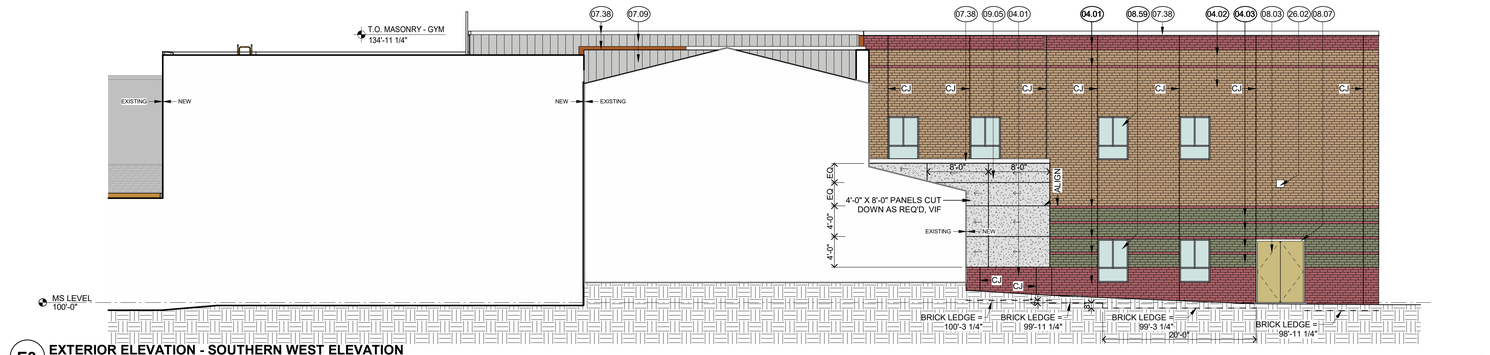

**C6** BRICK PATTERN DETAIL
1/4" = 1'-0"



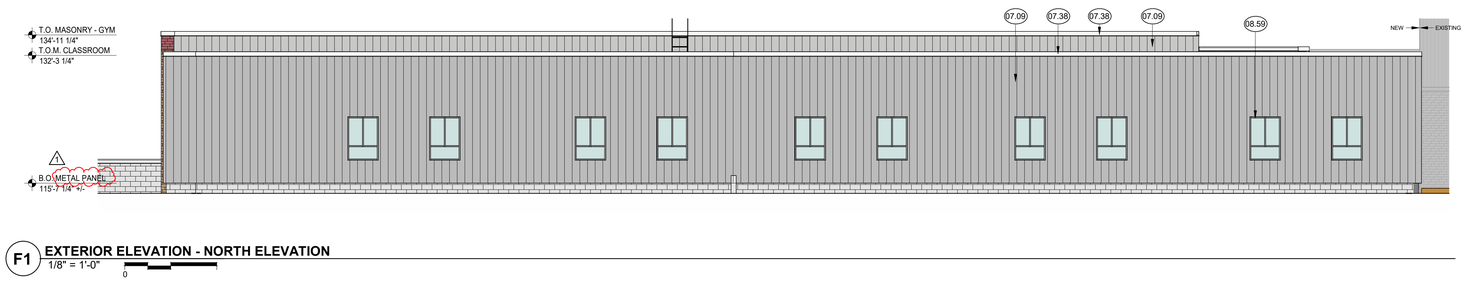

**C8** TYPICAL BRICK PATTERN DETAIL
1/4" = 1'-0"



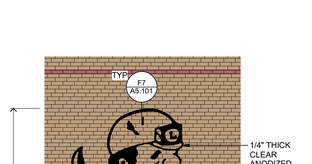

**E1** EXTERIOR ELEVATION - NORTHERN WEST ELEVATION
1/8" = 1'-0"




**E3** EXTERIOR ELEVATION - SOUTHERN WEST ELEVATION
1/8" = 1'-0"



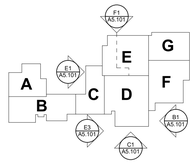

**F1** EXTERIOR ELEVATION - NORTH ELEVATION
1/8" = 1'-0"




**F7** SECTION AT ALUMINUM SIGNAGE
3" = 1'-0"




**F6** SCHOOL LOGO SIGNAGE DETAIL
3/16" = 1'-0"




KEY PLAN

H
J
K
L

**Linton-Stockton Addition and Renovation**

10 H St NE
Linton, IN 47441

260804037

**Linton-Stockton Schools**
10 H St NE, Linton, IN 47441


**WOLD ARCHITECTS AND ENGINEERS**
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Indianapolis, IN 46204
woldae.com | 317 353 3281


GEORGE SNYDER-HILL
REGISTERED
No. 9600157
STATE OF INDIANA

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

Comm: **260804037**
Date: **09/25/2026**
Drawn: **MN**
Check: **DS/HV**

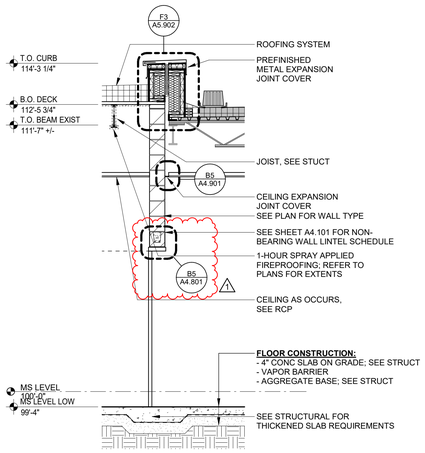
# EXTERIOR ELEVATIONS

Scale: **As indicated**

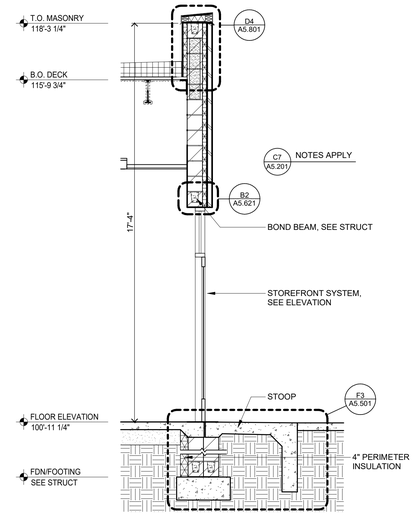
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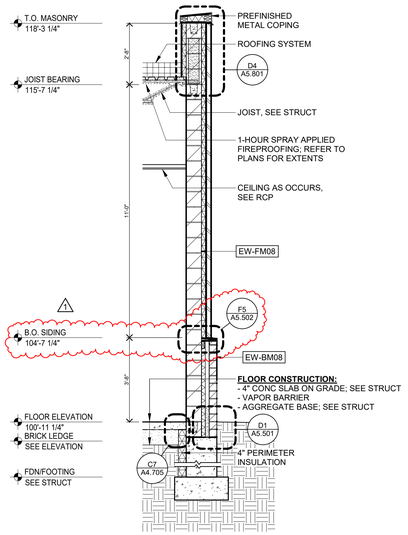
IN




C3 SECTION AT EXIT PASSAGEWAY
3/8" = 1'-0"
0



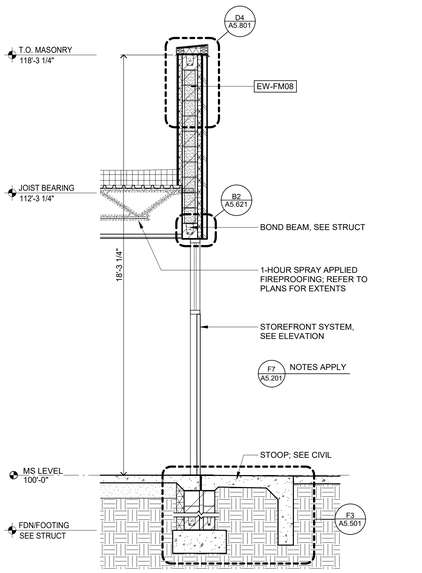

C5 STOOP SECTION AT WEST VESTIBULE
3/8" = 1'-0"
0



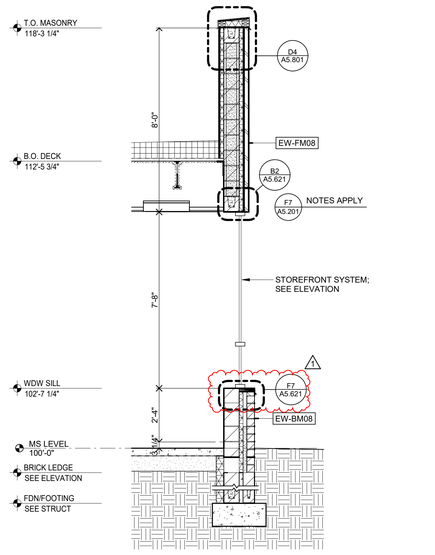

C7 TYPICAL SECTION AT WEST VESTIBULE
3/8" = 1'-0"
0



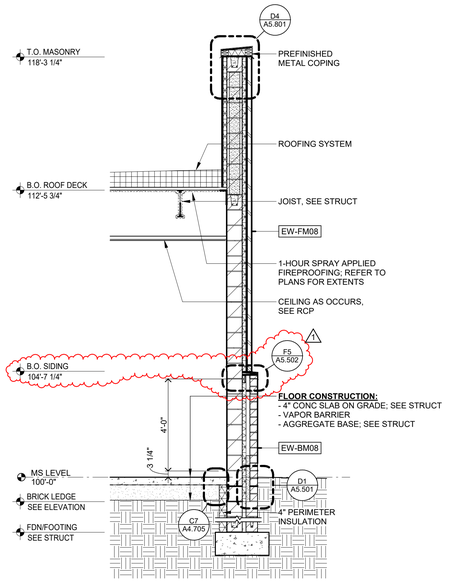

F1 SECTION AT EAST VEST AND EXISTING 1978 GYM
3/8" = 1'-0"
0




F3 STOOP SECTION AT EAST VESTIBULE
3/8" = 1'-0"
0




F5 WINDOW SECTION AT EAST VESTIBULE
3/8" = 1'-0"
0




F7 TYPICAL SECTION AT EAST VESTIBULE
3/8" = 1'-0"
0

A

Exhibit Days | Users:Brandon.Webb, Michal.Walker and Renovation | Xrefs:Revision and Renovations2
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# Linton-Stockton Addition and Renovation

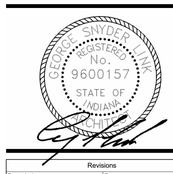
10 H St NE
Linton, IN 47441

260804037

**Linton-Stockton Schools**
10 H St NE, Linton, IN 47441

**WOLD ARCHITECTS AND ENGINEERS**
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**NOTE:** SEE A5.400 SERIES DRAWINGS FOR EXTERIOR WALL ASSEMBLIES




| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

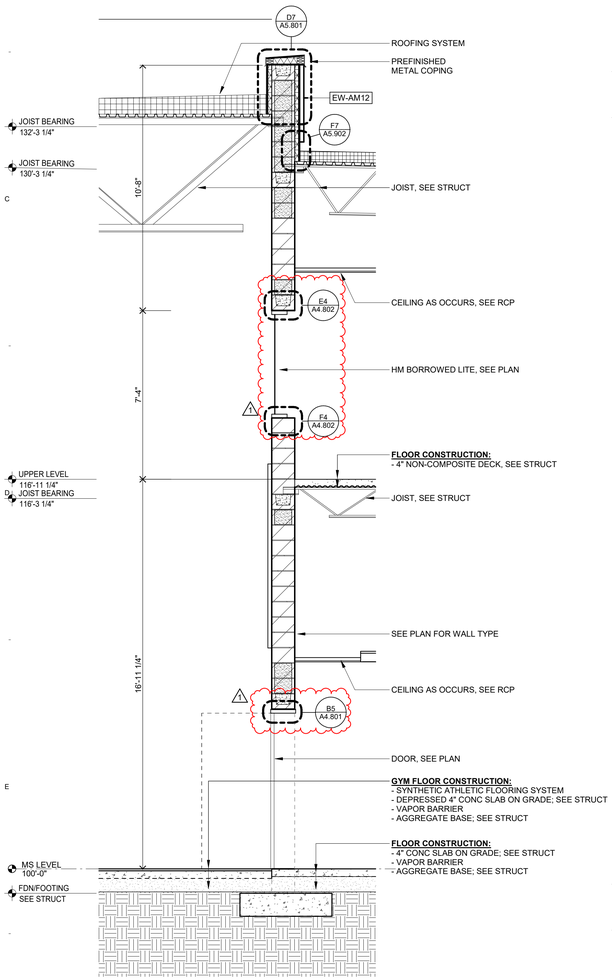
Comm: **260804037**
Date: **09/25/2026**
Drawn: **MJS**
Check: **DS/HV**

## EXTERIOR WALL SECTIONS

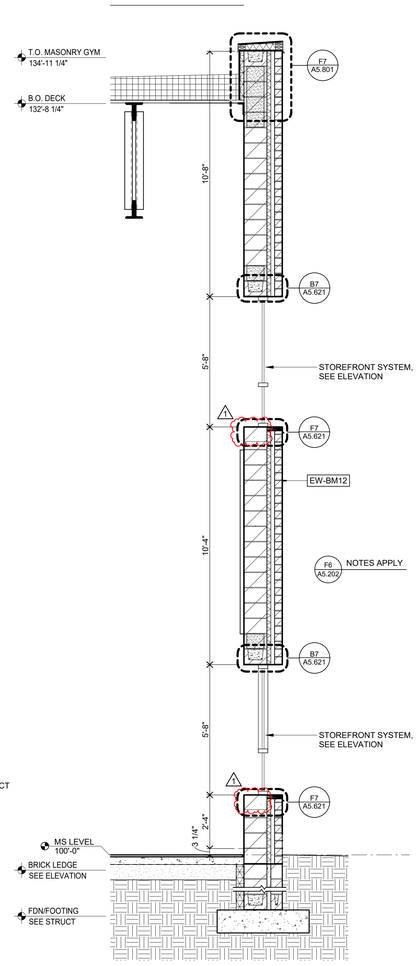
Scale: **3/8" = 1'-0"**

# A5.201

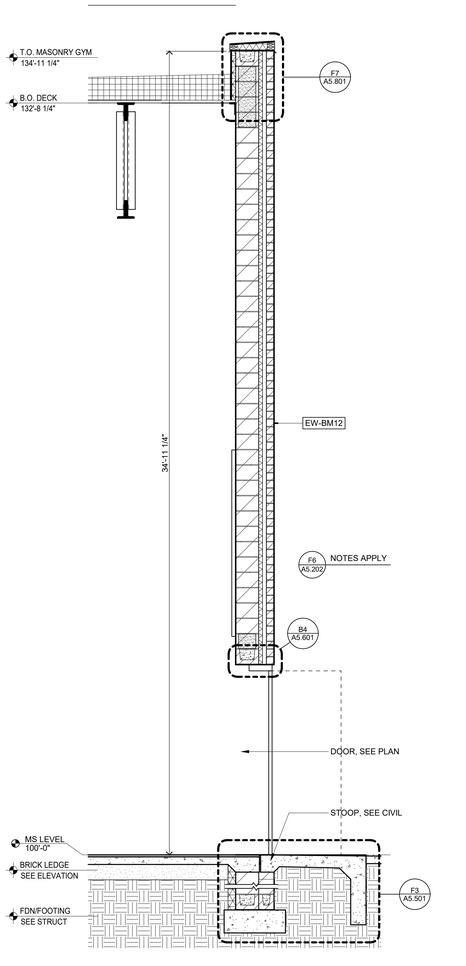
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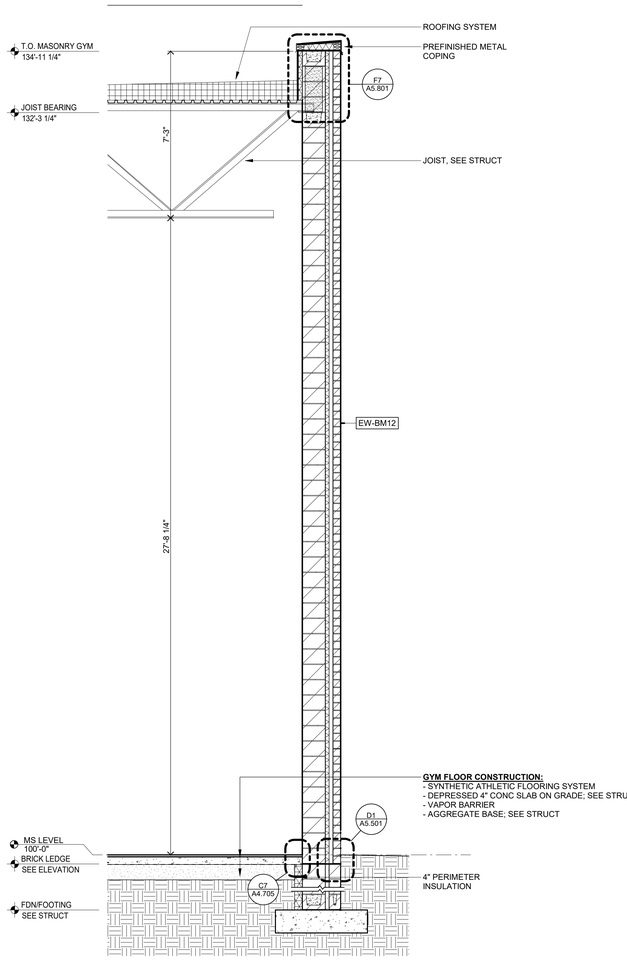

F1 SECTION AT GYM - NORTH
3/8" = 1'-0"




F3 WINDOW SECTION AT GYM
3/8" = 1'-0"




F4 STOOP SECTION AT GYM NEW
3/8" = 1'-0"




F6 TYPICAL SECTION AT GYM
3/8" = 1'-0"

A


**Linton-Stockton Addition and Renovation**

10 H St NE
Linton, IN 47441

260804037
**Linton-Stockton Schools**
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No.
9600157
STATE OF
INDIANA
10/22/2026

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| Addendum #01 | 10/22/2026 | 1 |

Comm: 260804037
Date: 09/25/2026
Drawn: MJS
Check: DS/HV

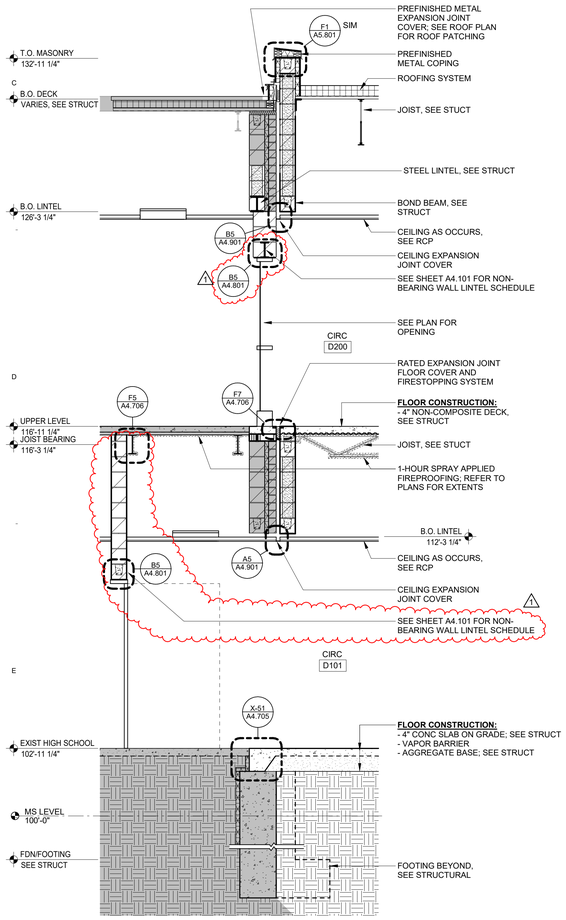
# EXTERIOR WALL SECTIONS

Scale: 3/8" = 1'-0"

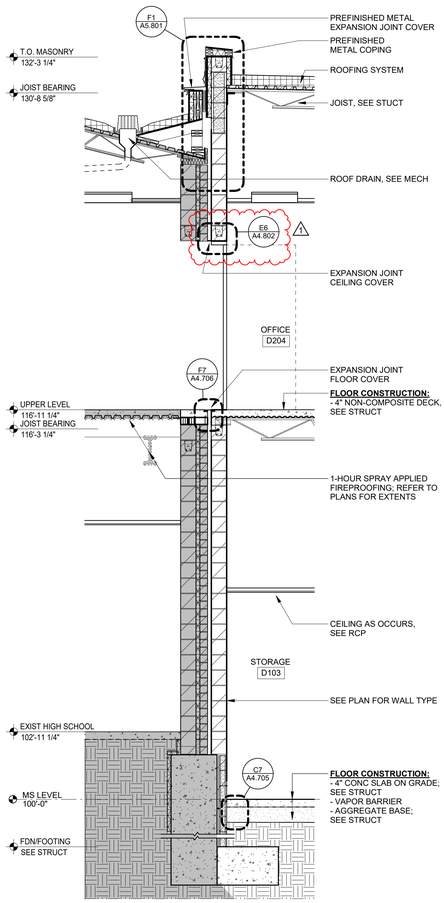
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Architect Plans of Linton-Stockton Middle School Addition and Renovation\Linton-Stockton Addition and Renovation.rvt
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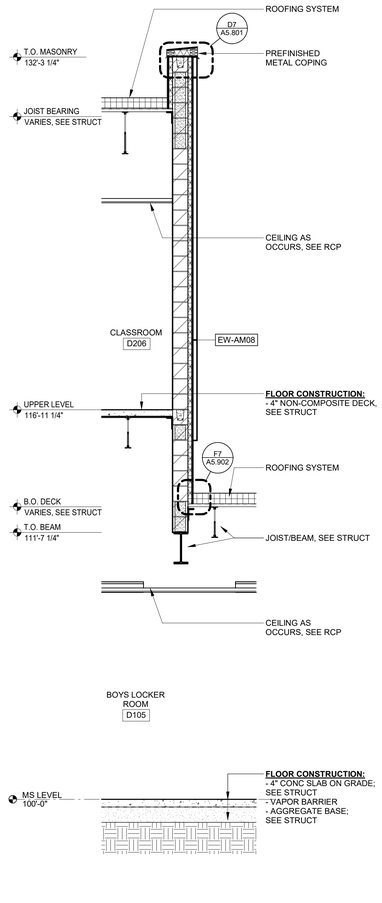
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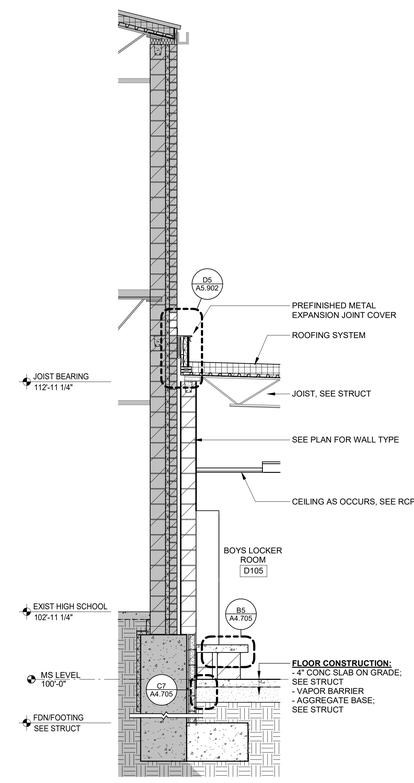

F1 CROSS SECTION AT CIRC D101 AND EXISTING GABLE ROOF
3/8" = 1'-0"



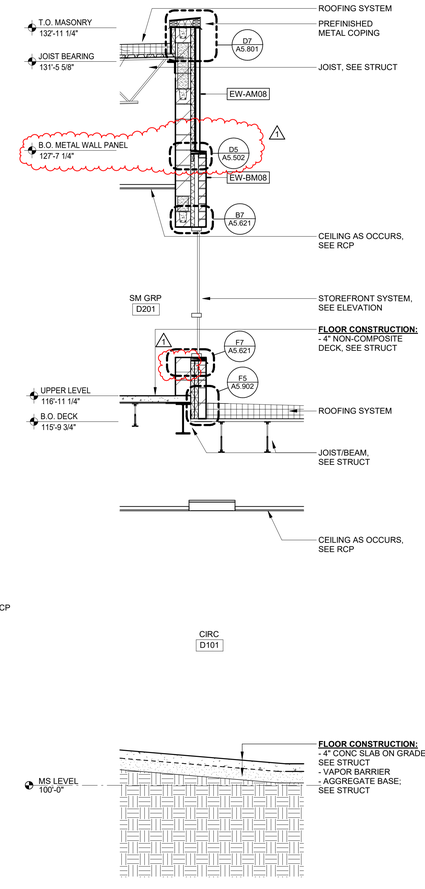

F3 SECTION AT OFFICE D204 AND EXISTING GABLE ROOF
3/8" = 1'-0"



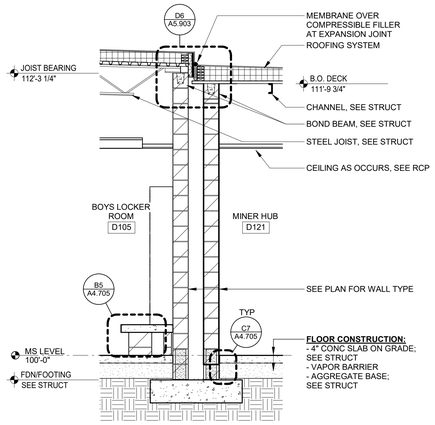

F4 WEST SECTION AT CLASSROOM D206
3/8" = 1'-0"




F6 SECTION AT WEST ROOF ALCOVE - HIGH BEARING
3/8" = 1'-0"




F7 WINDOW SECTION AT SM GRP 201
3/8" = 1'-0"




B7 SECTION AT WEST ROOF ALCOVE -LOW BEARING
3/8" = 1'-0"

A

Autodesk Docs://Linton-Stockton Middle School Addition and Renovation/Linton-Stockton Addition and Renovation.rvt
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**Linton-Stockton Addition and Renovation**

10 H St NE
Linton, IN 47441

260804037

**Linton-Stockton Schools**
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| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

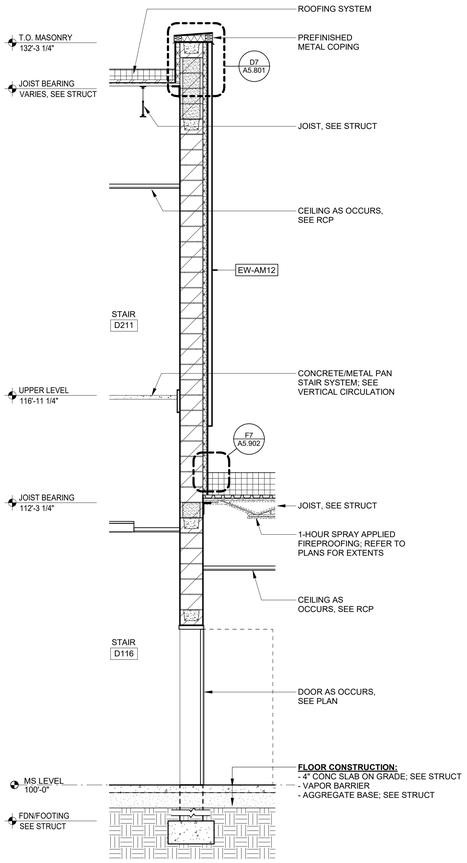
Comm: **260804037**
Date: **09/25/2026**
Drawn: **MJS**
Check: **DS/HV**

# EXTERIOR WALL SECTIONS

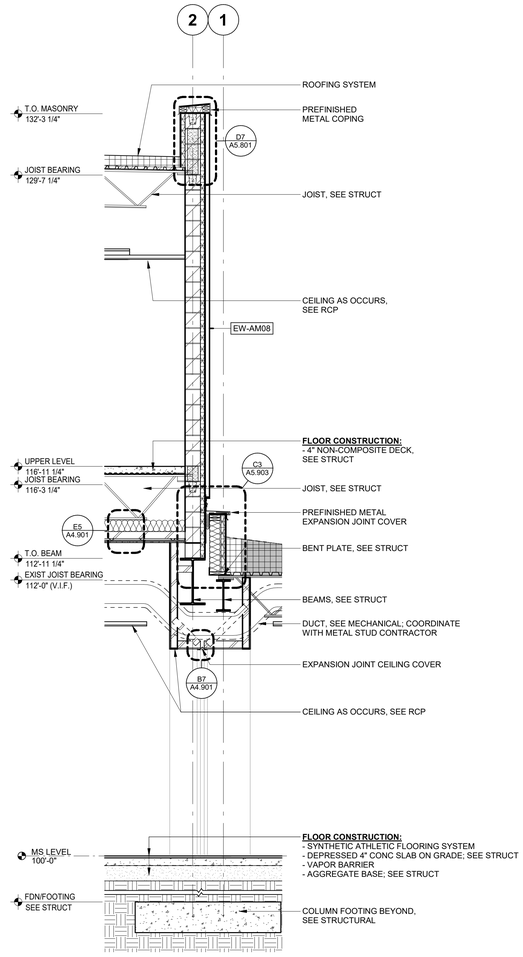
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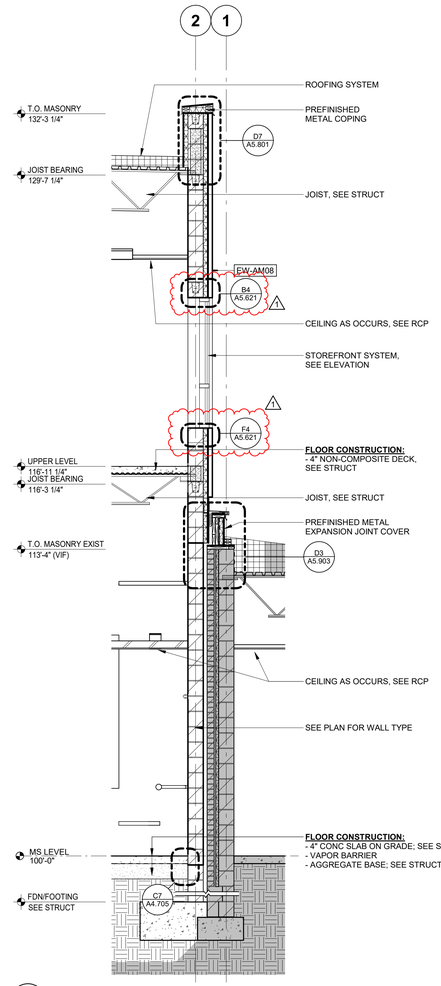
IN




F3 TYPICAL SECTION AT STAIR - EAST
3/8" = 1'-0"




F5 SECTION AT WEIGHT ROOM
3/8" = 1'-0"




F7 TYPICAL SECTION AT SECOND FLOOR CLASSROOMS
3/8" = 1'-0"

A

Author Date: C:\Users\Brandon.Middle.Wold\Desktop\Linton Addition and Renovation\Linton Addition and Renovation_Central_mjs.rvt
10/22/2025 1:54:49 PM

# Linton-Stockton Addition and Renovation

10 H St NE
Linton, IN 47441

260804037
**Linton-Stockton Schools**
10 H St NE, Linton, IN 47441

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Comm: **260804037**
Date: **09/25/2026**
Drawn: **MJS**
Check: **DS/HV**

## EXTERIOR WALL SECTIONS

Scale: **3/8" = 1'-0"**

# A5.204

IN

A

B

C

D

E

F

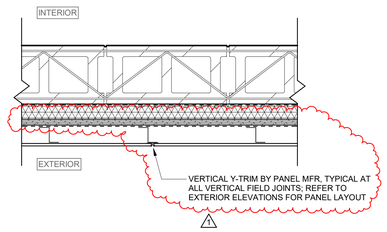
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Autodesk Docs://Linton-Stockton Middle School Addition and Renovation/Linton-Stockton Addition and Renovation_R24.rvt
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**SECTION**




**PLAN**




**ENERGY CODE:** EXPECTED R-VALUE, CONTINUOUS INSULATION: R-9.5 CODE MINIMUM, R-13.1 BASIS OF DESIGN
EXPECTED U-VALUE, ASSEMBLY: (VARIES WITH BACKUP DEPTH) 1

**NFPA 285:** THIS WALL ASSEMBLY IS DESIGNED AROUND AN ENGINEERING EVALUATION #10123 (CURRENT REVISION) PERFORMED BY PRIEST & ASSOCIATES CONSULTING, LLC BASED ON NFPA 285 TESTS FOR HUNTER PANELS, PROVIDER OF POLYISOCYANURATE CONTINUOUS INSULATION.

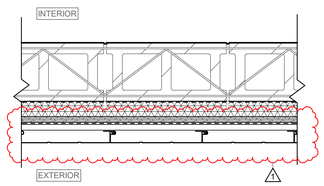
| TYPE | BACKUP SIZE | NOTES |
|---|---|---|
| EW-FM08 | 8" | |

**F1** **ASSEMBLY EW-FMxx - FIBER CEMENT SIDING ON CMU BACK-UP**
1 1/2" = 1'-0"
0 1/2' 1'

**SECTION**




**PLAN**




**ENERGY CODE:** EXPECTED R-VALUE, CONTINUOUS INSULATION: R-9.5 CODE MINIMUM, R-13.1 BASIS OF DESIGN
EXPECTED U-VALUE, ASSEMBLY: (VARIES WITH BACKUP DEPTH) 1

**NFPA 285:** THIS WALL ASSEMBLY IS DESIGNED AROUND AN ENGINEERING EVALUATION #10123 (CURRENT REVISION) PERFORMED BY PRIEST & ASSOCIATES CONSULTING, LLC BASED ON NFPA 285 TESTS FOR HUNTER PANELS, PROVIDER OF POLYISOCANURATE CONTINUOUS INSULATION.

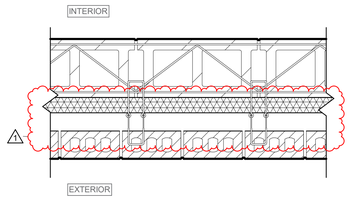
| TYPE | BACKUP SIZE | NOTES |
|---|---|---|
| EW-AM08 | 8" | |
| EW-AM12 | 12" | |

**F4** **ASSEMBLY EW-AMxx - METAL WALL PANEL ON CMU BACK-UP**
1 1/2" = 1'-0"
0 1/2' 1'

**SECTION**




**PLAN**




**ENERGY CODE:** EXPECTED R-VALUE, CONTINUOUS INSULATION: R-9.5 CODE MINIMUM, R-13.1 BASIS OF DESIGN
EXPECTED U-VALUE, ASSEMBLY: (VARIES WITH BACKUP DEPTH) 1

**NFPA 285:** THIS WALL ASSEMBLY IS DESIGNED AROUND AN ENGINEERING EVALUATION #10123 (CURRENT REVISION) PERFORMED BY PRIEST & ASSOCIATES CONSULTING, LLC BASED ON NFPA 285 TESTS FOR HUNTER PANELS, PROVIDER OF POLYISOCANURATE CONTINUOUS INSULATION.

| TYPE | BACKUP SIZE | NOTES |
|---|---|---|
| EW-BM08 | 8" | |
| EW-BM12 | 12" | |

**F6** **ASSEMBLY EW-BMxx - BRICK VENEER ON CMU BACK-UP**
1 1/2" = 1'-0"
0 1/2' 1'

# Linton-Stockton Addition and Renovation

10 H St NE
Linton, IN 47441

260804037
**Linton-Stockton Schools**
10 H St NE, Linton, IN 47441

**WOLD ARCHITECTS AND ENGINEERS**
1060 N. Capitol Avenue, Suite 3-101
Indianapolis, IN 46204
woldae.com | 317 353 3281

GEORGE SNYDER JR.
REGISTERED
No. 9600157
STATE OF INDIANA

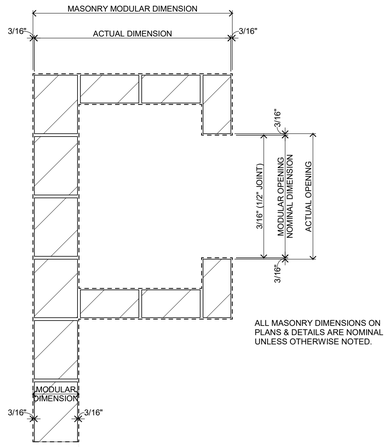
| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

Comm: **260804037**
Date: **09/25/2026**
Drawn: **MJS**
Check: **DS/HV**

# EXTERIOR ASSEMBLIES - WALLS

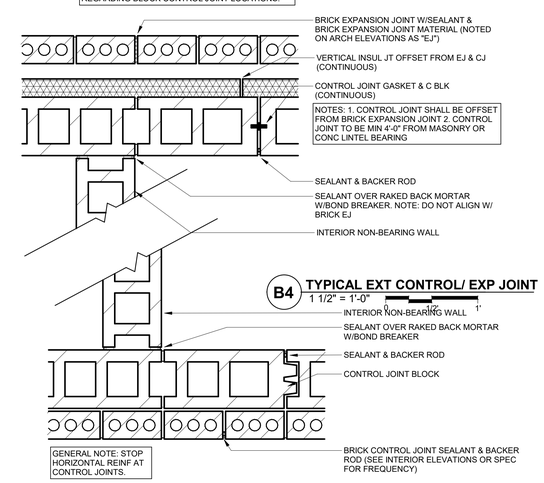
Scale: **1 1/2" = 1'-0"**

# A5.401



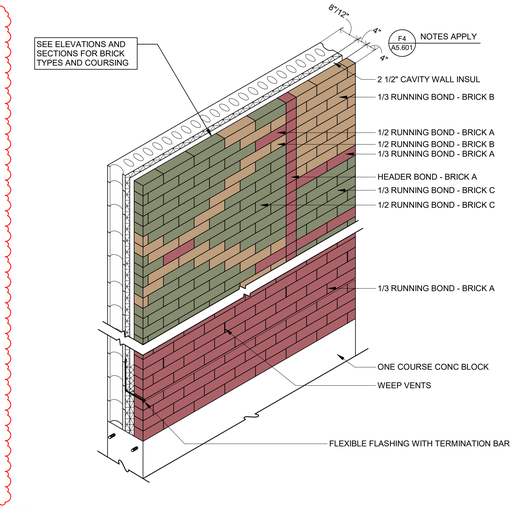

ALL MASONRY DIMENSIONS ON PLANS & DETAILS ARE NOMINAL UNLESS OTHERWISE NOTED.

## B1 MASONRY DIMENSIONING
3/4" = 1'-0"

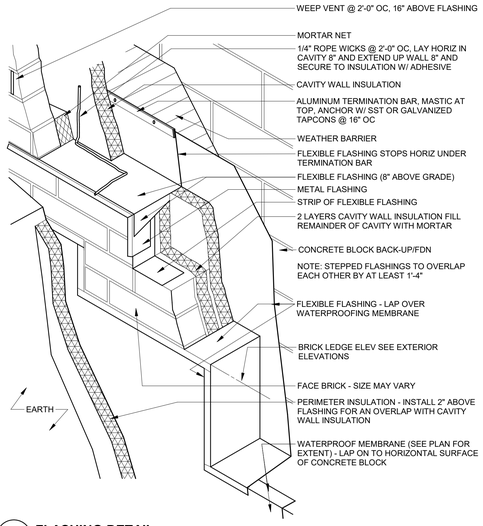



## B4 TYPICAL EXT CONTROL/ EXP JOINT
1 1/2" = 1'-0"

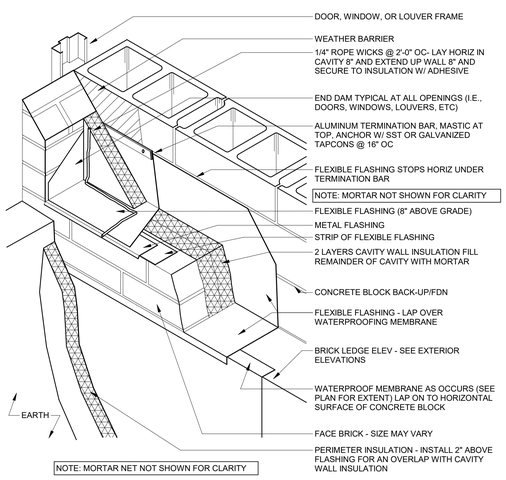
## B3 TYPICAL INTERIOR CONTROL JOINT
1 1/2" = 1'-0"



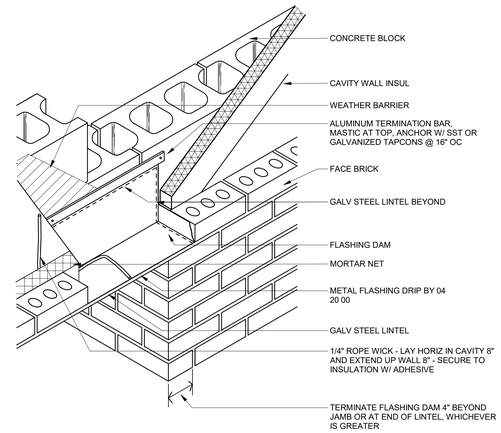

## B7 MOCK-UP WALL PANEL
NOT TO SCALE



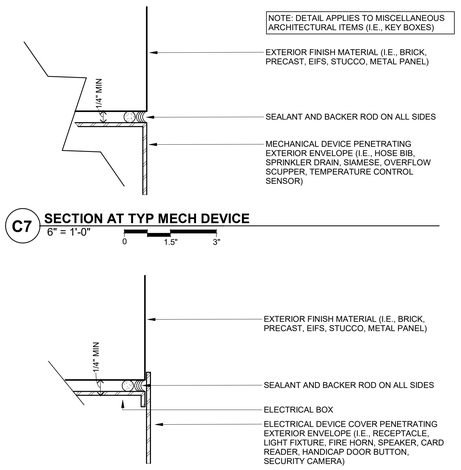

## D1 FLASHING DETAIL
NOT TO SCALE




## D3 FLASHING DETAIL
NOT TO SCALE



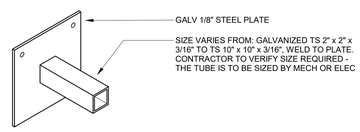

## D5 TYPICAL FLASHING TERMINATION
NOT TO SCALE



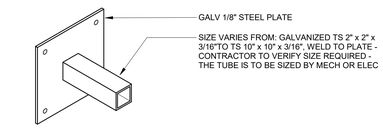

## C7 SECTION AT TYP MECH DEVICE
6" = 1'-0"



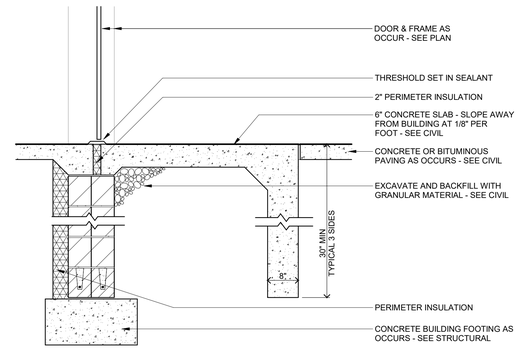

## D7 SECTION AT TYP ELEC DEVICE
6" = 1'-0"



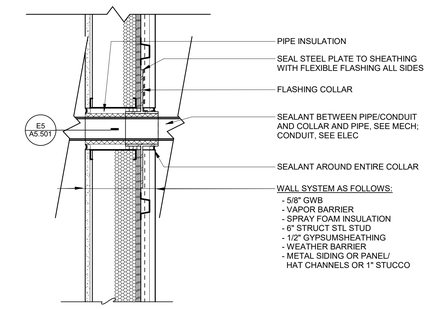

## E5 COLLAR DETAIL
1 1/2" = 1'-0"



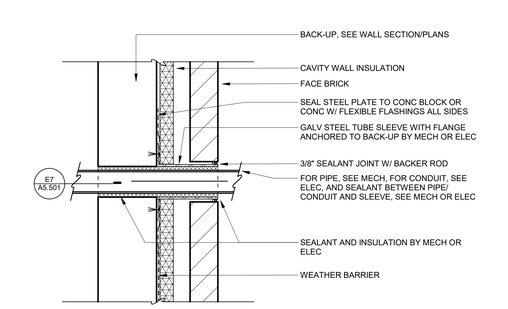

## E7 SLEEVE DETAIL
1 1/2" = 1'-0"




## F3 SECTION AT STOOP - TYPICAL
3/4" = 1'-0"




## F5 PIPE OR CONDUIT PENETRATION
1 1/2" = 1'-0"




## F7 PIPE OR CONDUIT PENETRATION
1 1/2" = 1'-0"


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| Revisions | | |
|---|---|---|
| Description | Date | Num |
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Comm: **260804037**
Date: **09/25/2026**
Drawn: **MN/MJS**
Check: **DS/HV**

# EXTERIOR DETAILS - WALL

Scale: **As Indicated**

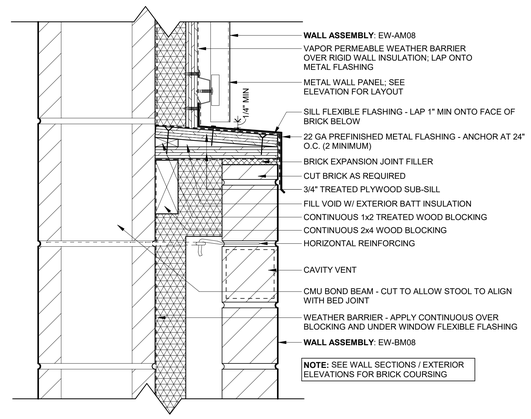
# A5.501


CONNOR J. SNYDER REGISTERED No. 9600157 STATE OF INDIANA ARCHITECT

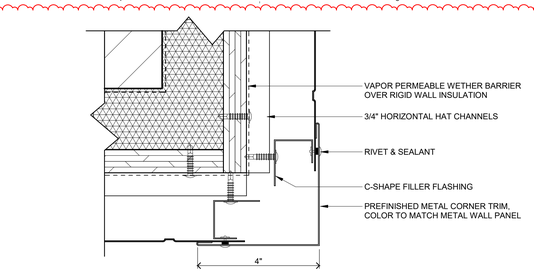


Author: Dylan Vanderlinden Middle School Addition and Renovation\Linton-Stockton Addition and Renovations.rvt
10/22/2026 1:58:04 PM

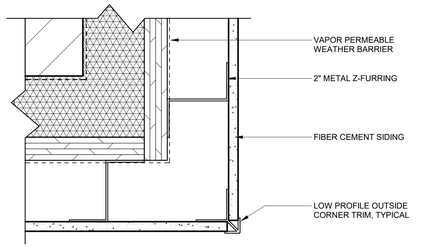
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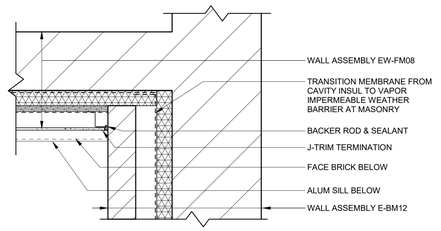

**D5** SECTION DETAIL - SILL AT BRICK TO METAL WALL PANEL TRANSITION
3" = 1'-0"



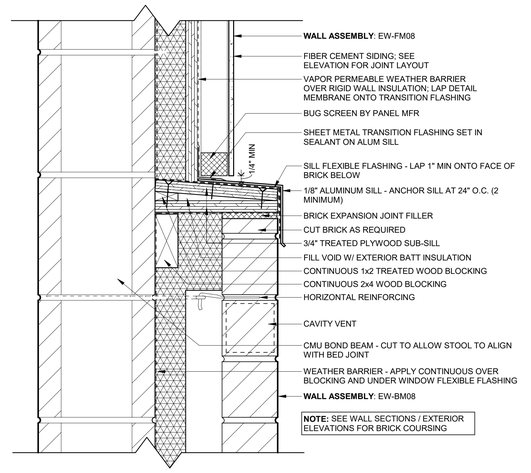

**B7** DETAIL - OUTSIDE CORNER AT METAL WALL PANEL
6" = 1'-0"



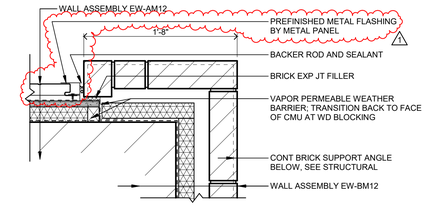

**C7** DETAIL - OUTSIDE CORNER AT FIBER CEMENT SIDING
6" = 1'-0"



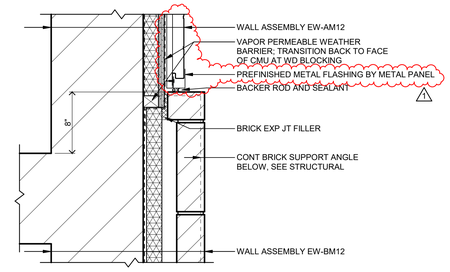

**D7** PLAN TRANSITION - FIBER CEMENT TO BRICK
1 1/2" = 1'-0"



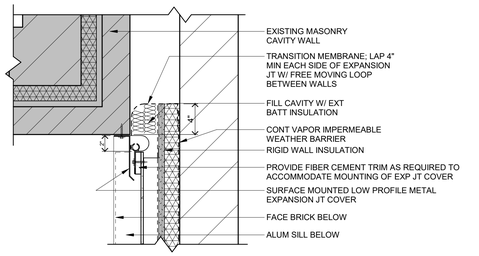

**F5** SECTION DETAIL - SILL AT BRICK TO FIBER CEMENT TRANSITION
3" = 1'-0"



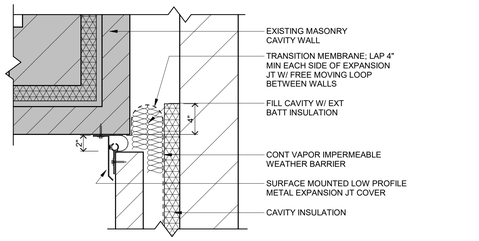

**E7** PLAN DETAIL - BRICK TRANSITION TO METAL WALL PANEL (HIGH)
1 1/2" = 1'-0"




**F7** PLAN DETAIL - BRICK TRANSITION TO METAL WALL PANEL (LOW)
1 1/2" = 1'-0"




**E3** PLAN DETAIL - EXPANSION JOINT AT FIBER CEMENT VEST D100
1 1/2" = 1'-0"




**F3** PLAN DETAIL - EXPANSION JOINT AT BRICK NEAR VEST D100
1 1/2" = 1'-0"

Submitted Drawing Sheet Wrapper Wold Architects and Engineers Linton Stockton Addition and Renovation
10/22/2026 1:08:08 PM

A

**Linton-Stockton Addition and Renovation**

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Linton, IN 47441

260804037
**Linton-Stockton Schools**
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GEORGE SNYDER JR. REGISTERED No. 9600157 STATE OF INDIANA

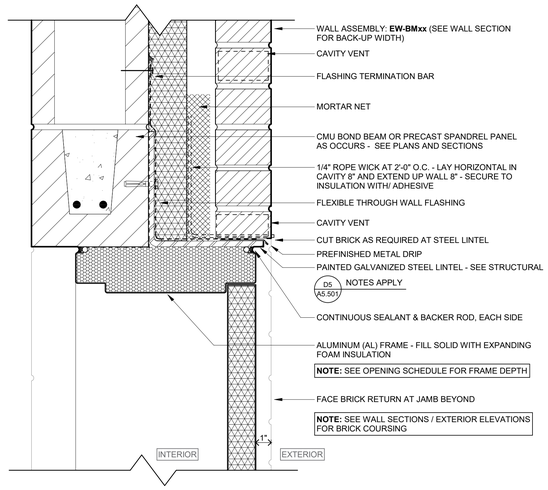
| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

Comm: **260804037**
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Drawn: **MJS**
Check: **DS/HV**

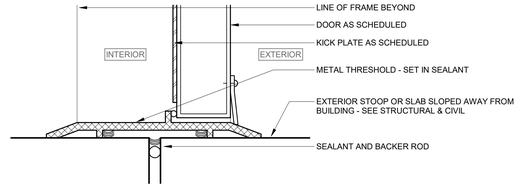
# EXTERIOR DETAILS - WALL

Scale: **As Indicated**

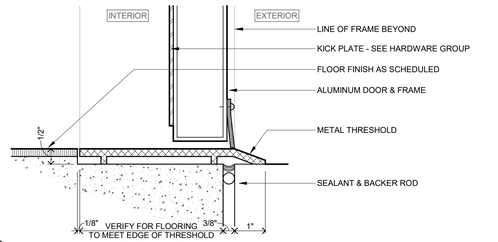
# A5.502



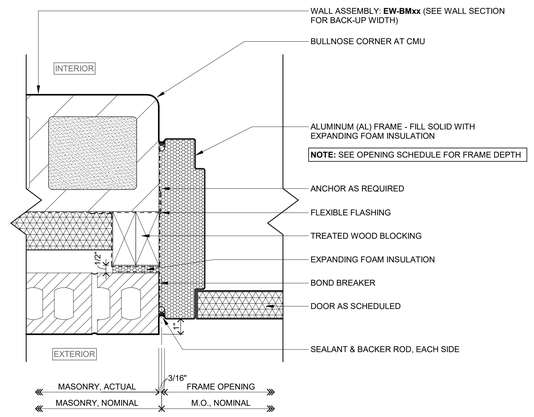

**B4** HEAD DETAIL AT EXTERIOR AL FRAME - ASSEMBLY E-BMxx
3" = 1'-0"
0 3" 6"



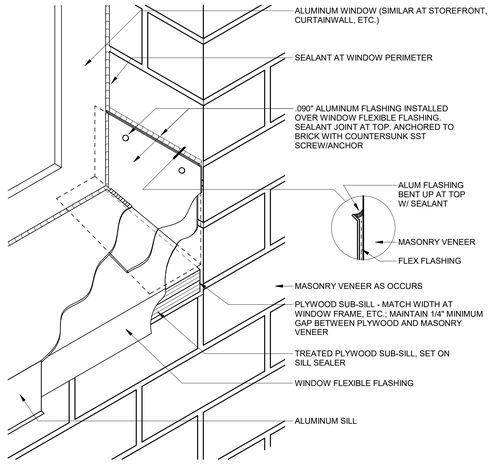

**A7** SECONDARY ENTRY & EXIT DOOR THRESHOLD
6" = 1'-0"
0 1.5" 3"



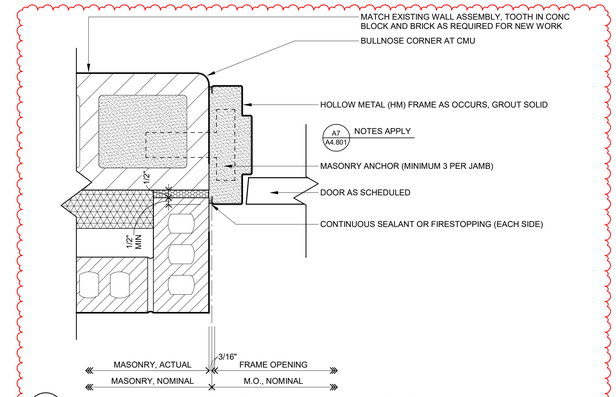

**B7** MAIN ENTRY THRESHOLD
6" = 1'-0"
0 1.5" 3"



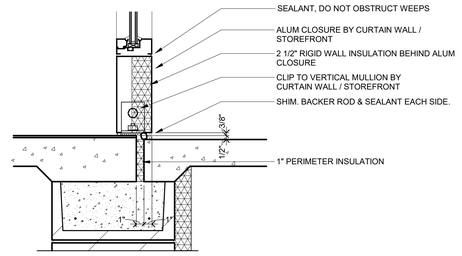

**D4** JAMB DETAIL AT EXTERIOR AL FRAME - ASSEMBLY E-BMxx
3" = 1'-0"
0 3" 6"



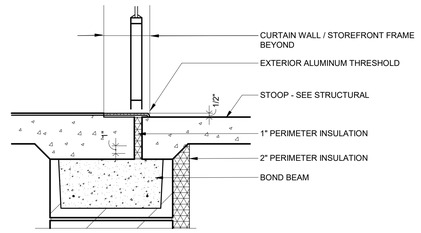

**F4** SILL FLASHING DETAIL
3" = 1'-0"
0 3" 6"




**D7** JAMB DETAIL AT INTERIOR HM FRAME AT PREVIOUS EXTERIOR WALL
3" = 1'-0"
0 3" 6"




**E7** SILL
1 1/2" = 1'-0"
0 1/2" 1"




**F7** THRESHOLD AT ALUMINUM DOOR
1 1/2" = 1'-0"
0 1/2" 1"

# Linton-Stockton Addition and Renovation

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260804037

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GEORGE SNYDER JR. REGISTERED No. 9600157 STATE OF INDIANA

| Revisions | | |
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| Description | Date | Num |
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Comm: **260804037**
Date: **09/25/2026**
Drawn: **MJS/HV**
Check: **DS/HV**

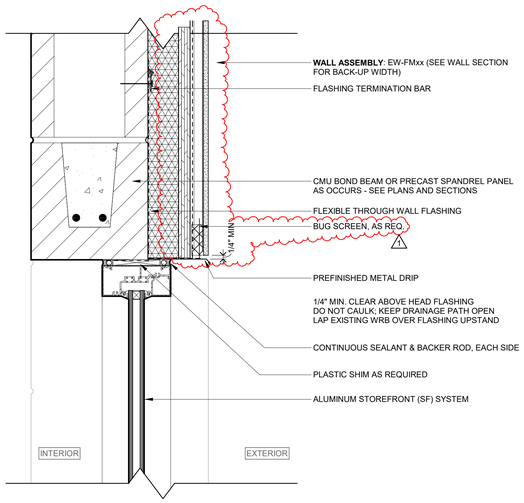
# EXTERIOR DETAILS - OPENINGS

Scale: **As Indicated**

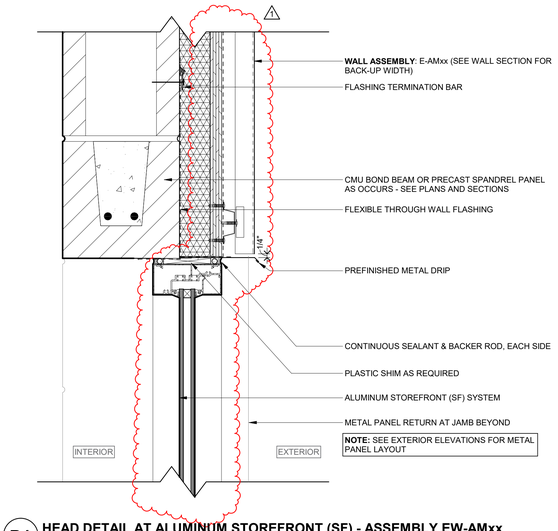
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Submitted Drawings Linton-Stockton Middle School Addition and Renovation\Linton-Stockton Addition and Renovation.rvt
10/22/2026 1:48:01 PM

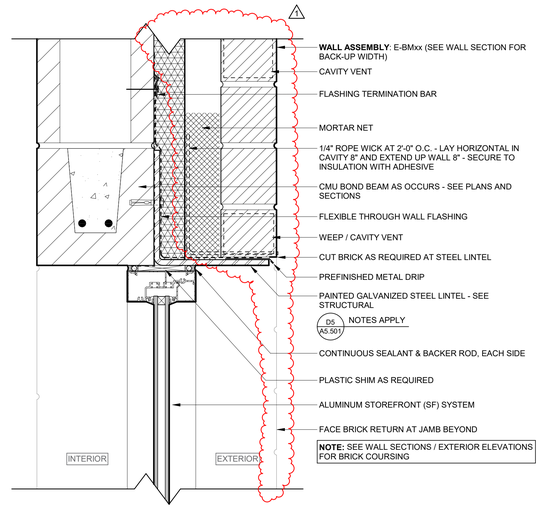
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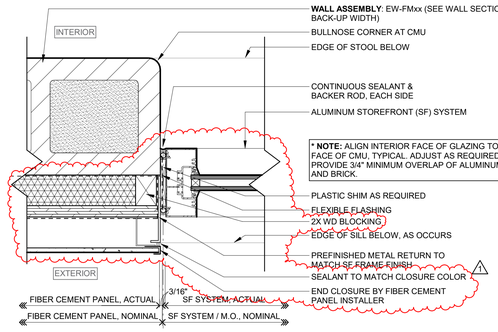

**B2** HEAD DETAIL AT ALUMINUM STOREFRONT (SF) - ASSEMBLY EW-FMxx
3" = 1'-0" 0 3" 6"



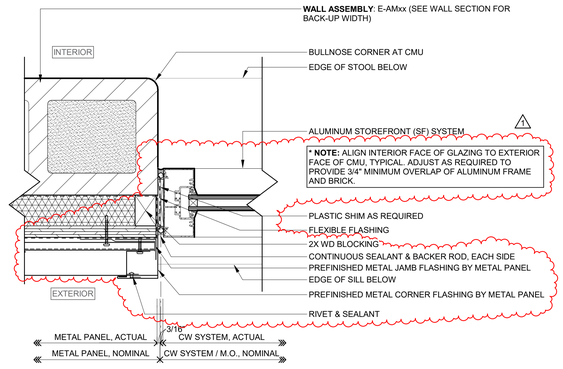

**B4** HEAD DETAIL AT ALUMINUM STOREFRONT (SF) - ASSEMBLY EW-AMxx
3" = 1'-0" 0 3" 6"



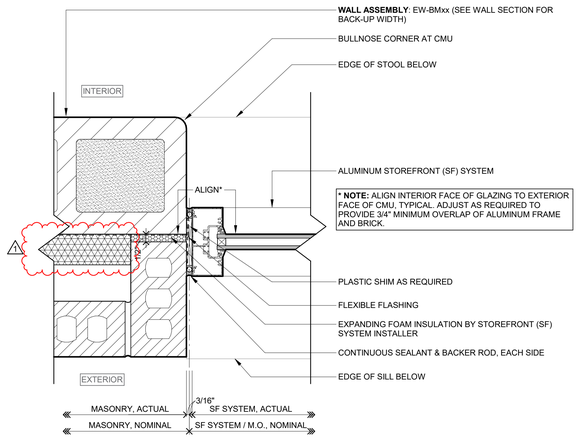

**B7** HEAD DETAIL AT ALUMINUM STOREFRONT (SF) - ASSEMBLY E-BMxx
3" = 1'-0" 0 3" 6"



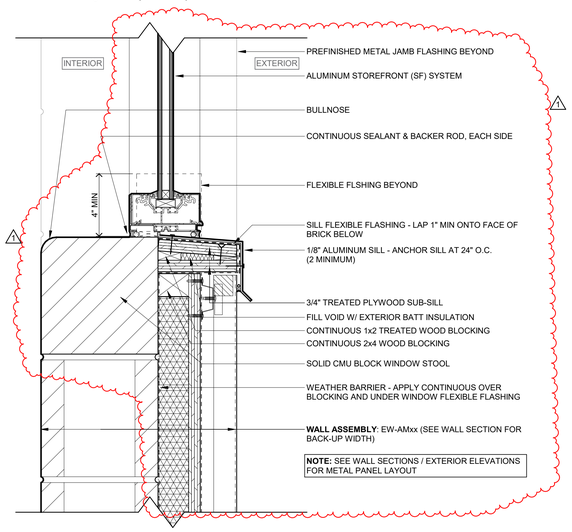

**D2** JAMB DETAIL AT ALUMINUM STOREFRONT (SF) - ASSEMBLY EW-FMxx
3" = 1'-0" 0 3" 6"



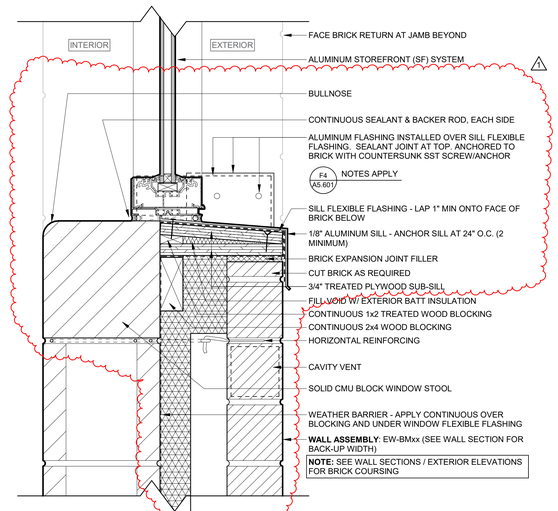

**D4** JAMB DETAIL AT ALUMINUM STOREFRONT (SF) - ASSEMBLY E-AMxx
3" = 1'-0" 0 3" 6"




**D7** JAMB DETAIL AT ALUMINUM STOREFRONT (SF) - ASSEMBLY E-BMxx
3" = 1'-0" 0 3" 6"




**F4** SILL DETAIL AT ALUMINUM STOREFRONT (SF) - ASSEMBLY E-AMxx
3" = 1'-0" 0 3" 6"




**F7** SILL DETAIL AT ALUMINUM STOREFRONT (SF) - ASSEMBLY E-BMxx
3" = 1'-0" 0 3" 6"

Autodesk Docs://Linton-Stockton Middle School Addition and Renovation/Linton-Stockton Addition and Renovation.rvt
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# Linton-Stockton Addition and Renovation

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**NOTE:** SEE A5.400 SERIES DRAWINGS FOR EXTERIOR WALL ASSEMBLIES

JORGE SNYDER LINK
REGISTERED
No.
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STATE OF
INDIANA
ARCHITECT

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

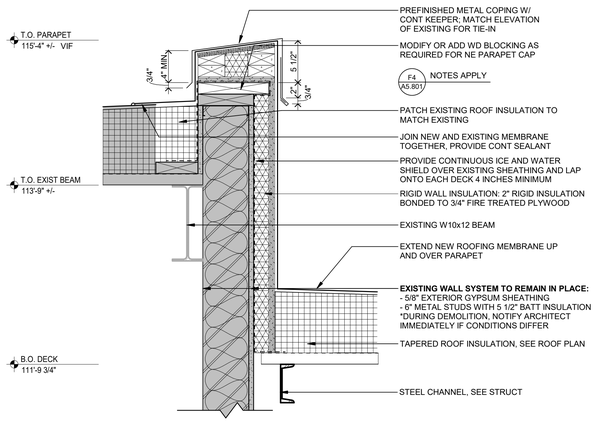
Comm: **260804037**
Date: **09/25/2026**
Drawn: **MJS/HV**
Check: **DS/HV**

# EXTERIOR DETAILS - OPENINGS (STOREFRONT)

Scale: **3" = 1'-0"**

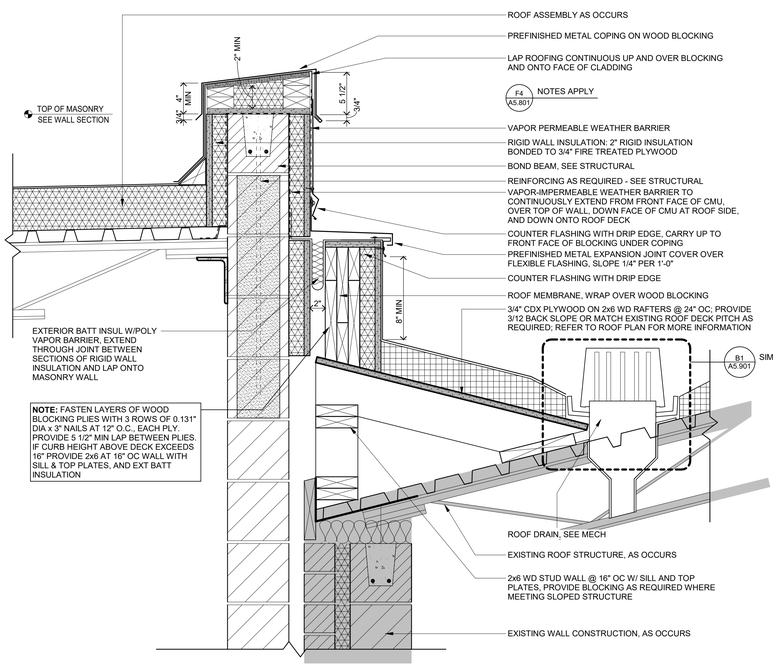
# A5.621

IN



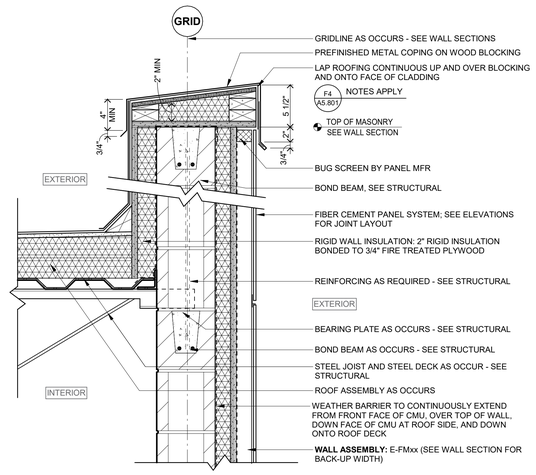

## D1 EXISTING CANOPY PARAPET AT NEW ROOF

1 1/2" = 1'-0"



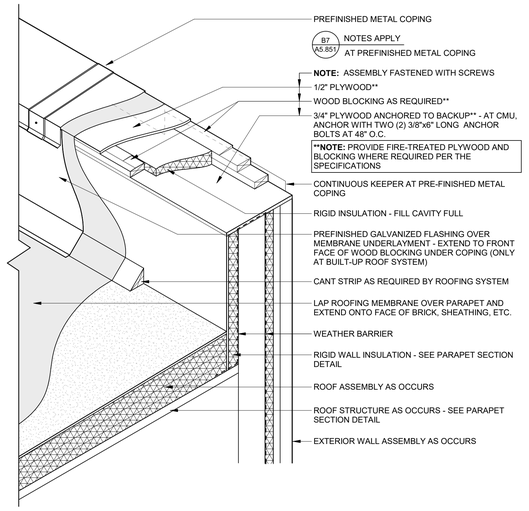

## F1 SECTION AT PARAPET - NEW TO OVERBUILD ROOF AT EXISTING

1 1/2" = 1'-0"



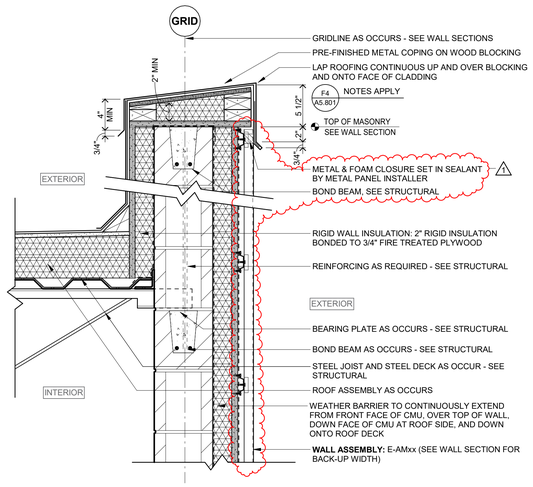

## D4 SECTION AT PARAPET - ASSEMBLY E-FMxx AND STEEL DECK

1 1/2" = 1'-0"



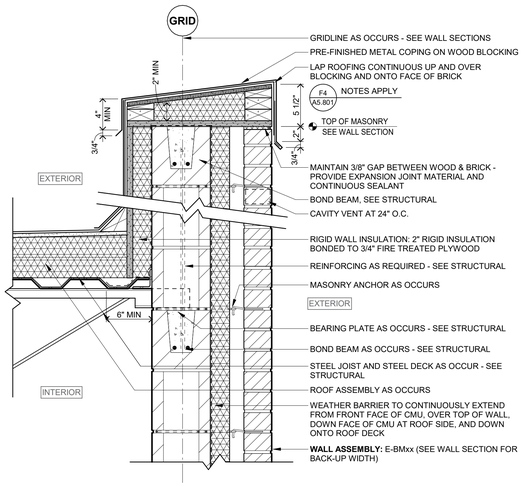

## F4 COPING DETAIL AT PARAPET

NOT TO SCALE




## D7 SECTION AT PARAPET - ASSEMBLY E-AMxx AND STEEL DECK

1 1/2" = 1'-0"




## F7 SECTION AT PARAPET - ASSEMBLY E-BMxx AND STEEL DECK

1 1/2" = 1'-0"

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10/22/2026 1:59:02 PM

# Linton-Stockton Addition and Renovation

10 H St NE
Linton, IN 47441

260804037

**Linton-Stockton Schools**
10 H St NE, Linton, IN 47441

**WOLD ARCHITECTS AND ENGINEERS**
1060 N. Capitol Avenue, Suite 3-101
Indianapolis, IN 46204
woldae.com | 317 353 3281

**NOTE:** SEE A5.400 SERIES DRAWINGS FOR EXTERIOR WALL ASSEMBLIES

GEORGE SNYDER REGISTERED No. 96001157 STATE OF INDIANA

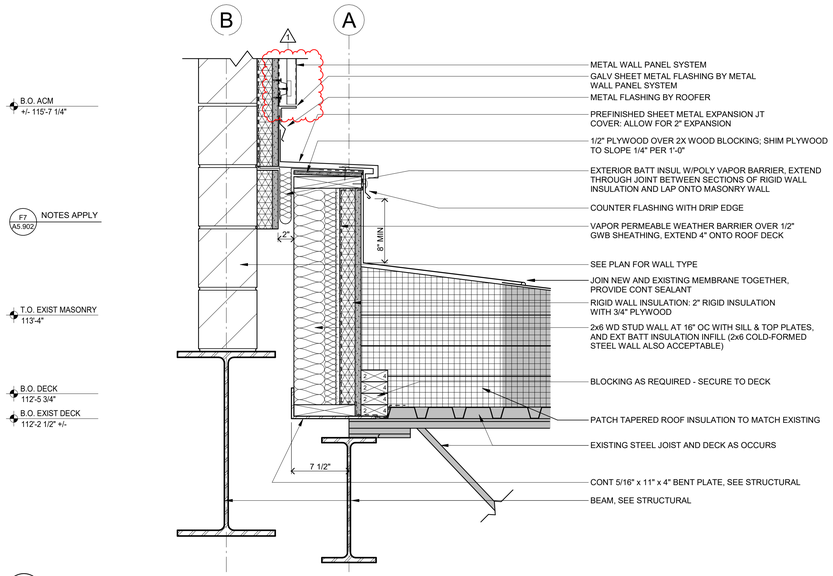
| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

Comm: **260804037**
Date: **09/25/2026**
Drawn: **MJS**
Check: **DS/HV**

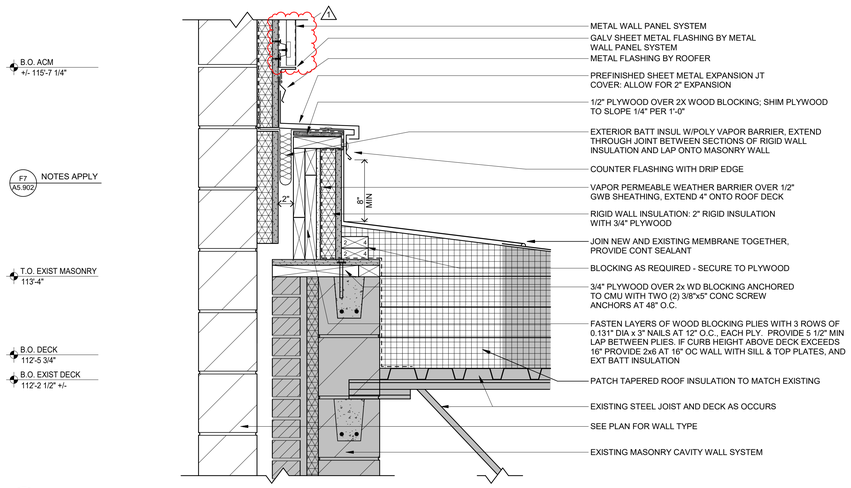
# EXTERIOR DETAILS - PARAPETS

Scale: **As Indicated**

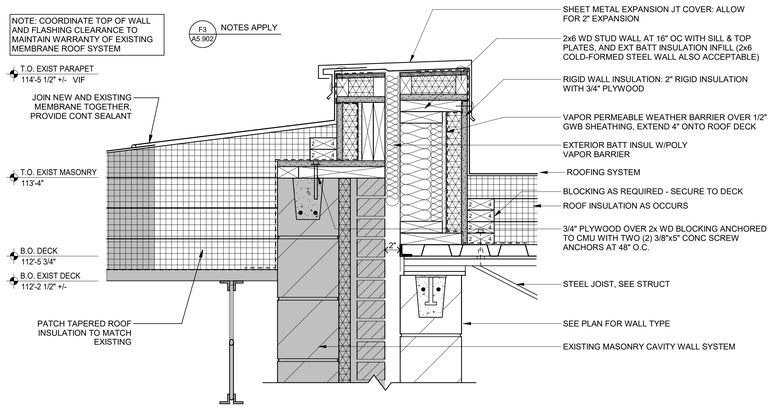
# A5.801



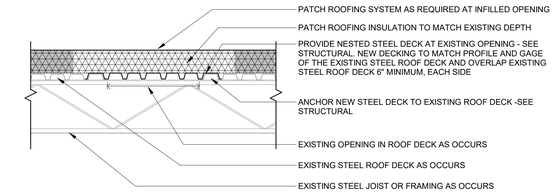

**C3** MEMBRANE ROOF CURB AT HIGH-LOW ROOF (ABOVE WEIGHT RM)
1 1/2" = 1'-0"



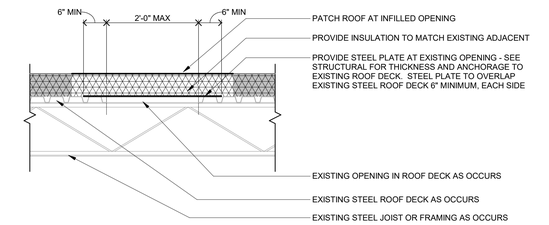

**D3** MEMBRANE ROOF CURB AT HIGH-LOW ROOF (ABOVE LOCKER ROOMS)
1 1/2" = 1'-0"



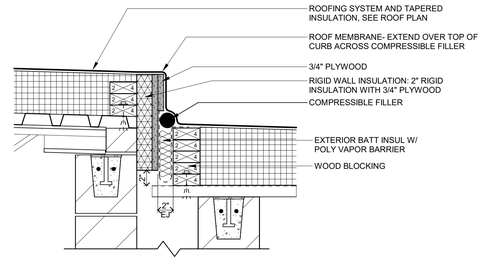

**F3** MEMBRANE ROOF CURB AT EXISTING PARAPET
1 1/2" = 1'-0"



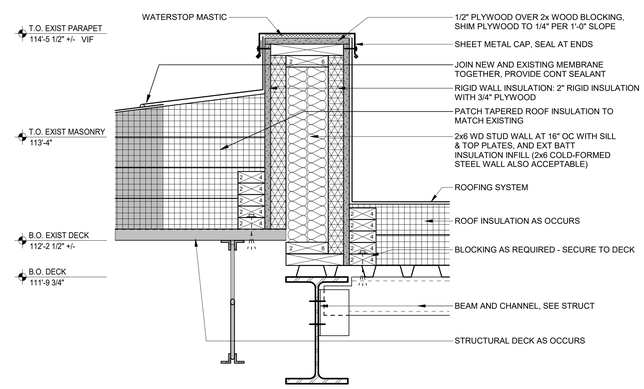

**A6** STEEL DECK INFILL AT EXISTING OPENING IN STEEL ROOF DECK
3/4" = 1'-0"
0 1' 2"




**C6** STEEL PLATE INFILL AT EXISTING OPENING IN STEEL ROOF DECK
3/4" = 1'-0"
0 1' 2"




**D6** MEMBRANE WATERSHED AT EXPANSION JOINT
1 1/2" = 1'-0"




**F6** MEMBRANE ROOF CURB AT HIGH-LOW DECK
1 1/2" = 1'-0"

# Linton-Stockton Addition and Renovation

10 H St NE
Linton, IN 47441

260804037

**Linton-Stockton Schools**
10 H St NE, Linton, IN 47441


**WOLD ARCHITECTS AND ENGINEERS**
1060 N. Capitol Avenue, Suite 3-101
Indianapolis, IN 46204
woldae.com | 317 353 3281


| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

Comm: **260804037**
Date: **09/25/2026**
Drawn: **MJS**
Check: **DS/HV**

# EXTERIOR DETAILS - ROOF

Scale: **As Indicated**

# A5.903


Scottish Rite Auditorium Renovation
Linton-Stockton Addition and Renovation
Linton-Stockton Schools
10/22/2026 1:59:04 PM

## ROOFTOP AIR HANDLING UNIT SCHEDULE

| IDENTITY DATA | | | | | MAX. WEIGHT | MAX. UNIT SIZE | | | SUPPLY FAN | | | | | | RETURN FAN | | | | | | RETURN FAN SOUND POWER (OUTLET) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | MOTOR | | | | | | MOTOR | | | OCTAVE BAND | | | | | | | |
| MARK | MANUFACTURER | MODEL | LOCATION | SERVICE | (LBS) | L | W | H | AIRFLOW (CFM) | MIN. OA (CFM) | ESP (IN-WG) | RPM | QTY | HP EA. | BHP EA. | AIRFLOW (CFM) | ESP (IN-WG) | RPM | QTY | HP EA. | BHP EA. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| RTU-1 | VALENT | VX-212-30I-O-G3 | ROOF | GYM | 4,550 | 163" | 68" | 76" | 8,000 | 2,500 | 1.5 | 1,750 | 2 | 5.0 | 3.3 | 8,000 | 0.5 | 1,615 | 1 | 5.0 | - | 91.9 | 78.3 | 65.4 | 59.3 | 52.1 | 52.1 | 47.3 | 51 |
| RTU-2 | VALENT | VX-212-30I-O-G3 | ROOF | GYM | 4,550 | 163" | 68" | 76" | 8,000 | 2,500 | 1.5 | 1,750 | 2 | 5.0 | 3.3 | 8,000 | 0.5 | 1,615 | 1 | 5.0 | - | 91.9 | 78.3 | 65.4 | 59.3 | 52.1 | 52.1 | 47.3 | 51 |
| RTU-3 | VALENT | VR-400-20J-M-G0 | ROOF | WEIGHT ROOM | 3,200 | 204" | 96" | 101" | 5,000 | 2,000 | 1.5 | 1,595 | 2 | 2.0 | 1.6 | 5,000 | 0.5 | 1,444 | 1 | 3.0 | 1.1 | | | | | | | | |
| RTU-4 | VALENT | VX-312-40J-O-G3 | ROOF | CLASSROOMS | 7,325 | 278" | 98" | 108" | 12,500 | 4,000 | 2.5 | 1,876 | 2 | 7.5 | 6.5 | 12,500 | 0.5 | 1,313 | 2 | 2.0 | 1.9 | 76.7 | 77.3 | 61.4 | 54.7 | 52.5 | 52.1 | 51.3 | 44.4 |

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## ROOFTOP AIR HANDLING UNIT SCHEDULE (CONTINUED)

| | GAS HEATING DATA | | | | DX COOLING DATA | | | | | | | | | | | COMPRESSOR | | HOT GAS REHEAT | | FILTER | ELECTRICAL DATA | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | EAT (°F) | LAT (°F) | | | | | | | | | | | | | | | |
| MARK | INPUT (BTUH) | OUTPUT (BTUH) | STAGES | EAT / LAT (°F) | NOM. TONS | TOTAL (BTUH) | SENSIBLE (BTUH) | DB / WB | DB / WB | EER | REFRIG. | ROWS | FPI | FACE AREA (SQFT) | APD (IN-WG) | QTY | STAGES | LOAD (BTUH) | EAT / LAT (°F) | MERV | VOLTS / PH / HZ | MCA (A) | MOCP (A) | NOTES |
| RTU-1 | 600,000 | 486,000 | MOD | 37.5 / 93.7 | 30 | 341,700 | 224,700 | 82.1 / 68.5 | 54.5 / 54.4 | 9.9 | R-454B | 6 | 14 | 22.6 | 0.6 | 2 | - | 271,900 | - / 87.1 | 8 | 480 / 3 / 60 | 82.9 | 100 | 1-3 |
| RTU-2 | 600,000 | 486,000 | MOD | 37.5 / 93.7 | 30 | 341,700 | 224,700 | 82.1 / 68.5 | 54.5 / 54.4 | 9.9 | R-454B | 6 | 14 | 22.6 | 0.6 | 2 | - | 271,900 | - / 87.1 | 8 | 480 / 3 / 60 | 82.9 | 100 | 1-3 |
| RTU-3 | 400,000 | 324,000 | MOD | 36.8 / 96.7 | 20 | 246,000 | 151,000 | 81.8 / 68.6 | 52.1 / 52 | 11.2 | R-454B | 4 | 14 | 28.1 | 0.3 | 2 | - | 166,100 | - / 84.1 | 8 | 480 / 3 / 60 | 52.5 | 60 | 1-3 |
| RTU-4 | 600,000 | 486,000 | MOD | 43 / 79 | 40 | 489,100 | 329,700 | 80.4 / 67.5 | 54.5 / 54.5 | 9.9 | R-454B | 6 | 12 | 33.8 | 0.6 | 3 | - | | | 8 | 480 / 3 / 60 | 116.1 | 125 | 1-3 |

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### ROOFTOP AIR HANDLING UNIT SCHEDULE NOTES:

1. OVERLOAD PROTECTED DISCONNECT BY MANFUACTURER. SINGLE POINT POWER. HIGH-FAULT 65 KA SCCR.
2. AMBIENT TEMPERATURES ARE SUMMER: 92F DB, 78 F WB AND WINTER: -10 F DB.
3. PROVIDE UNPOWERED, 20A, GFCI CONVENIENCE RECEPTACLE. POWER CIRCUIT FROM SOURCE BY DIV 26.

## ENERGY RECOVERY RTU SCHEDULE

| IDENTITY DATA | | | | | | SUPPLY FAN DATA | | | | | EXHAUST FAN DATA | | | | ENERGY RECOVERY WHEEL DATA | | | | | | ELECTRICAL DATA | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | SUMMER | | HEAT | WINTER | | HEAT | | | | |
| MARK | MANUFACTURER | MODEL | LOCATION | HX TYPE | WEIGHT (LBS) | AIRFLOW (CFM) | HX SP (IN-WG) | FILTER SP (IN-WG) | ESP/TSP (IN-WG) | MOTOR HP/BHP | AIRFLOW (CFM) | HX SP (IN-WG) | ESP/TSP (IN-WG) | MOTOR HP/BHP | EAT (°F) DB/WB | LAT (°F) DB/WB | RECOVERED (BTUH) | EAT (°F) DB/WB | LAT (°F) DB/WB | RECOVERED (BTUH) | VOLTS / PH / HZ | MCA (A) | MOCP (A) | NOTES |
| ERU-1 | VALENT | VXE-212-58E-15I | ROOF | WHEEL | 4,380 | 3,500 | - | 0.1 | 1.5 / 2.52 | 3 / 2.2 | 3,500 | - | 1.0 / 1.7 | 2 / 1.6 | 92 / 78 | 79.3 / 66.8 | 162,891 | -10 / -11 | 49.9 / 42.6 | 226,394 | 480 / 3 / 60 | 45.2 | 60 | 1-2 |

1 1

### ENERGY RECOVERY RTU SCHEDULE NOTES:

1. OVERLOAD PROTECTED DISCONNECT BY MANUFACTURER. SINGLE POINT POWER. HIGH-FAULT 65 KA SCCR.
2. AMBIENT DESIGN TEMPERATURES - COOLING: 92F DB / 78F WB, HEATING: -10F.

## PACKAGED ENERGY RECOVERY DOAS ROOFTOP UNIT SCHEDULE (CONTINUED)

| | DX COOLING DATA | | | | | | | | | | GAS-FIRED HEATING DATA | | | | | HOT GAS REHEAT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | COMPRESSOR INFO | | | | | | | | | |
| MARK | TOTAL (BTUH) | SENSIBLE (BTUH) | EAT (°F) DB/WB | LAT (°F) DB/WB | FACE VEL. (FPM) | APD (IN-WG) | ROWS | FPI | TYPE | QUANTITY | EER | INPUT (BTUH) | OUTPUT (BTUH) | EAT/LAT (°F) | FURNACE INFO TYPE | FURNACE INFO CONTROL | CAPACITY (BTUH) | EAT/LAT (°F) | NOTES |
| ERU-1 | 187,000 | 112,500 | 79.3 / 68.8 | 47.8 / 47.7 | 173 | 0.13 | 5 | 14 | INVERTER SCROLL | 1 | 11.1 | 300,000 | 243,000 | 49.9 / 114.1 | INDIRECT | 12:1 MODULATING | 144,800 | - / 87.5 | 1-2 |

## VAV BOX WITH ELECTRIC REHEAT SCHEDULE - 23 36 00

| IDENTITY DATA | | | | AIRFLOW DATA | | | | | NOISE DATA | | REHEAT COIL DATA | | | ELECTRICAL DATA | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | INLET DIAMETER | MAX. COOLING (CFM) | HEATING (CFM) | MIN. COOLING (CFM) | SPI (IN-WG) | APD | MAX. DISCH. | MAX. RAD. | EAT / LAT (°F) | CAPACITY (KW) | STAGES | VOLTS / PH / HZ | MCA (A) | MOCP (A) | NOTES |
| VAV-D101 | PRICE | SDV | 10" | 1,100 | 550 | 330 | 1.0 | 0.75 | 22 | 20 | 55 / 95 | 7.0 | SCR | 277 / 1 / 60 | 31.6 | 35 | 1-5 |
| VAV-D104A | PRICE | SDV | 8" | 675 | 350 | 200 | 1.0 | 0.75 | 28 | 20 | 56 / 95.4 | 4.5 | SCR | 277 / 1 / 60 | 19.4 | 20 | 1-5 |
| VAV-D120 | PRICE | SDV | 8" | 750 | 375 | 225 | 1.0 | 0.75 | 26 | 21 | 55 / 96.9 | 5.0 | SCR | 277 / 1 / 60 | 21.2 | 25 | 1-5 |
| VAV-D121 | PRICE | SDV | 10" | 1,500 | 750 | 450 | 1.0 | 0.75 | 26 | 24 | 55 / 94.8 | 9.5 | SCR | 277 / 1 / 60 | 42.9 | 45 | 1-5 |
| VAV-D200 | PRICE | SDV | 10" | 1,000 | 500 | 300 | 1.0 | 0.75 | 21 | -- | 55 / 95.9 | 6.5 | SCR | 277 / 1 / 60 | 28.4 | 30 | 1-5 |
| VAV-D205 | PRICE | SDV | 6" | 500 | 250 | 150 | 1.0 | 0.75 | 31 | 26 | 55 / 95.9 | 3.25 | SCR | 277 / 1 / 60 | 14.4 | 15 | 1-5 |
| VAV-D206 | PRICE | SDV | 10" | 1,000 | 500 | 300 | 1.0 | 0.75 | 21 | -- | 55 / 95.9 | 6.5 | SCR | 277 / 1 / 60 | 28.4 | 30 | 1-5 |
| VAV-D207 | PRICE | SDV | 10" | 1,000 | 500 | 300 | 1.0 | 0.75 | 21 | -- | 55 / 95.9 | 6.5 | SCR | 277 / 1 / 60 | 28.4 | 30 | 1-5 |
| VAV-D208 | PRICE | SDV | 10" | 1,000 | 500 | 300 | 1.0 | 0.75 | 21 | -- | 55 / 95.9 | 6.5 | SCR | 277 / 1 / 60 | 28.4 | 30 | 1-5 |
| VAV-D209 | PRICE | SDV | 10" | 1,000 | 500 | 300 | 1.0 | 0.75 | 21 | -- | 55 / 95.9 | 6.5 | SCR | 277 / 1 / 60 | 28.4 | 30 | 1-5 |
| VAV-D210 | PRICE | SDV | 10" | 1,075 | 550 | 325 | 1.0 | 0.75 | 33 | 28 | 55 / 95 | 7.0 | SCR | 277 / 1 / 60 | 30.7 | 35 | 1-5 |
| VAV-E101 | PRICE | SDV | 10" | 1,000 | 500 | 300 | 1.0 | 0.75 | 21 | -- | 55 / 95.9 | 6.5 | SCR | 208 / 1 / 60 | 31.6 | 35 | 1-5 |
| VAV-F101 | PRICE | SDV | 10" | 1,000 | 500 | 300 | 1.0 | 0.75 | 21 | -- | 55 / 95.9 | 6.5 | SCR | 277 / 1 / 60 | 28.4 | 30 | 1-5 |

### VAV BOX WITH ELECTRIC REHEAT SCHEDULE NOTES:

1. COORDINATE LOCATION OF BOX A BOVE CEILING WITH LIGHT FIXTURES, FIRE PROTECTION, HEATING AND COOLING SYSTEM PIPING, PLUMBING SYSTEMS, CONDUITS AND CABLE TRAY.
2. SEE M-700 SERIES DRAWINGS FOR TEMPERATURE CONTROLS INFORMATION.
3. INSULATED BOTTOM ACCESS DOOR UPSTREAM OF COIL WITH 1/4 TURN LATCH FASTENERS.
4. PROVIDE INTEGRAL SILICON CONTROLLED RECTIFIER (SCR).
5. MINIMUM 1" ELASTOMERIC LINER.

## EXHAUST FAN SCHEDULE - 23 34 23

| IDENTITY DATA | | | | | FAN DATA | | | | | | SOUND CRITERIA | | | ELECTRICAL DATA | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | SERVICES | WEIGHT (LBS) | FAN TYPE | DRIVE TYPE | AIRFLOW (CFM) | ESP (IN-WG) | RPM | HP/BHP | SONES | DBA | UNIT CONTROL | VOLT/PH/HZ | NOTES |
| EF-1 | GREENHECK | G-095-VG | LOCKER ROOMS | 75 | DOWNBLAST CENTIFUGAL | DIRECT | 600 | 0.13 | 1090 | 0.17 / .04 | 7.9 | 56 | 24/7 | 120 / 60 / 1 | 1-2 |

### EXHAUST FAN SCHEDULE NOTES:

1. DISCONNECT BY MANUFACTURER.
2. FAN SPEED CONTROLLER FOR BALANCING.

## ELECTRIC UNIT HEATER SCHEDULE - 23 82 39

| IDENTITY DATA | | | | HEATING DATA | | FAN DATA | | | | | | | ELECTRICAL DATA | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | WEIGHT (LBS) | CAPACITY (KW) | STAGES | AIRFLOW (CFM) | ESP (IN-WG) | FAN TYPE | DRIVE | RPM | HP | # SPEED | VOLT/PH/HZ | FLA (A) | MOCP (A) | NOTES |
| UH-1 | MARKEL | F3387D-RP | 22 | 4.8 | 1 | 175 | - | LOW SPEED | DIRECT | 700 | - | 1 | 208 / 1 / 60 | 23.1 | 30.0 | 1-2 |
| UH-2 | MARKEL | F3387D-RP | 22 | 4.8 | 1 | 175 | - | LOW SPEED | DIRECT | 700 | - | 1 | 208 / 1 / 60 | 23.1 | 30.0 | 1-2 |
| UH-3 | MARKEL | G3325TD-RP | 30 | 3.0 | 1 | 175 | - | LOW SPEED | DIRECT | 600 | - | 1 | 277 / 1 / 60 | 10.8 | 15.0 | 1,3 |
| UH-4 | MARKEL | G3325TD-RP | 30 | 3.0 | 1 | 175 | - | LOW SPEED | DIRECT | 600 | - | 1 | 277 / 1 / 60 | 10.8 | 15.0 | 1,3 |

### ELECTRIC CABINET UNIT HEATER SCHEDULE NOTES:

1. DISCONNECT SWITCH BY MANUFACTURER. DISCONNECT SWITCH AND ALL INTERLOCK RELAYS TO BE INSTALLED WITHIN HEATER ENCLOSURE.
2. CEILING MOUNTING KIT.

## 233713 DIFFUSERS, REGISTERS, AND GRILLES

| IDENTITY DATA | | | | NECK SIZE (IN) | MODULE SIZE | | |
|---|---|---|---|---|---|---|---|
| MARK | DESCRIPTION | MANUFACTURER | MODEL | Ø | W | L | NOTES |
| EC12/12 | EGG CRATE FACE RETURN | PRICE | 80 | | 12" | 12" | 3 |
| EC24/12 | EGG CRATE FACE RETURN | PRICE | 80 | | 24" | 12" | 3 |
| RG8/8 | LOUVER FACE RETURN GRILLE | PRICE | 630 | | 8" | 8" | |
| RG12/12 | LOUVER FACE RETURN GRILLE | PRICE | 630 | | 12" | 12" | 1 |
| RG24/12 | LOUVER FACE RETURN GRILLE | PRICE | 630 | | 12" | 24" | 1 1 |
| RG24/24 | LOUVER FACE RETURN GRILLE | PRICE | 630 | | 24" | 24" | 1-2 |
| SD24-6 | SQUARE CONE DIFFUSER | PRICE | ASCDA | 6" | 24" | 24" | |
| SD24-8 | SQUARE CONE DIFFUSER | PRICE | ASCDA | 8" | 24" | 24" | |
| SD24-10 | SQUARE CONE DIFFUSER | PRICE | ASCDA | 10" | 24" | 24" | |

### DIFFUSERS, REGISTERS, AND GRILLES NOTES:

1. PROVIDE CEILING-GRID LAY-IN PANEL WITH GRILLE(S) MOUNTED IN PANEL. SIZE PANEL TO MATCH CEILING GRID.
2. PROVIDE OPPOSED-BLADE DAMPER AT GRILLE FOR AIRFLOW (CFM) BALANCING.
3. PROVIDE SURFACE MOUNT FRAME FOR ALL EC REQUIRING CENTERING IN CEILING TILE OR HARD CEILING.

## SPLIT SYSTEM FAN COIL UNIT SCHEDULE - 23 81 26

| IDENTITY DATA | | | | DIMENSIONS | | | HEATING | COOLING CAPACITY | | AIRFLOW DATA | | | | | ELECTRICAL DATA | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | WEIGHT (LBS) | L | W | H | CAPACITY (BTUH) | TOTAL (BTUH) | SENSIBLE (BTUH) | MIN (CFM) | MAX (CFM) | DESIGN (CFM) | ESP (IN-WG) | REF. TYPE | VOLT/PH/HZ | FLA (A) | MOCP (A) | NOTES |
| FCU-1 | MITSUBISHI | PLA-AK24NL | 57 | 50" | 26" | 9" | - | 24,500 | 24,000 | 530 | 810 | - | 0.25 | R-454B | 208/1/60 | - | - | - |

## AIR COOLED SPLIT SYSTEM CONDENSING UNIT SCHEDULE - 23 81 26

| IDENTITY DATA | | | | | HEATING DATA | | COOLING DATA | | ENERGY DATA | | | | ELECTRICAL DATA | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | SYSTEM SERVED | WEIGHT (LBS) | CAPACITY (BTUH) | AMB. (°F) | NOMINAL (BTUH) | AMB. (°F) | EER | SEER | COP | REF. TYPE | VOLT/PH/HZ | MCA (A) | MOCP (A) | NOTES |
| CU-1 | MITSUBISHI | PUZ-AH24NL | FCU-109A | 155 | 10,300 | -4 | 24,000.0 | 95 | 13.2 | 22.6 | 4.1 | R-454B | 208/1/60 | 22.0 | 37.0 | 1-3 |

### AIR COOLED SPLIT SYSTEM CONDENSING UNIT SCHEDULE NOTES

1. DISCONNECT BY MANUFACTURER.
2. SEE M-700 SERIES SHEETS FOR TEMPERATURE CONTROLS INFORMATION.
3. MECHANICAL CONTRACTOR SHALL COORDINATE REFRIGERANT PIPE SIZING AND PIPE ROUTING WITH MANUFACTURER.

## GRAVITY VENTILATOR SCHEDULE - 23 37 23

| IDENTITY DATA | | | | | THROAT DATA | | | | HOOD DATA | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | DIMENSIONS | | | | | | |
| MARK | MANUFACTURER | MODEL | SYSTEM SERVED | WEIGHT (LBS) | VELOCITY (FPM) | L | W | Ø | AIRFLOW (CFM) | TSP (IN-WG) | VELOCITY (FPM) | NOTES |
| RH-1 | GREENHECK | WRH 22/22 | EX. EF-5 | 50 | 595 | 22" | 22" | | 2,000 | 0.05 | 300 | 1 |

### GRAVITY VENTILATOR SCHEDULE NOTES:

1. SEE DETAIL 3/M-501.


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KEY PLAN

A B C D E F G

GABRIEL S. CUBILLER
REGISTERED
NO. PE10808972
STATE OF INDIANA
PROFESSIONAL ENGINEER

| Revisions | |
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| Description | Date | Num |
| ADDENDUM #1 | 10/22/2026 | 1 |

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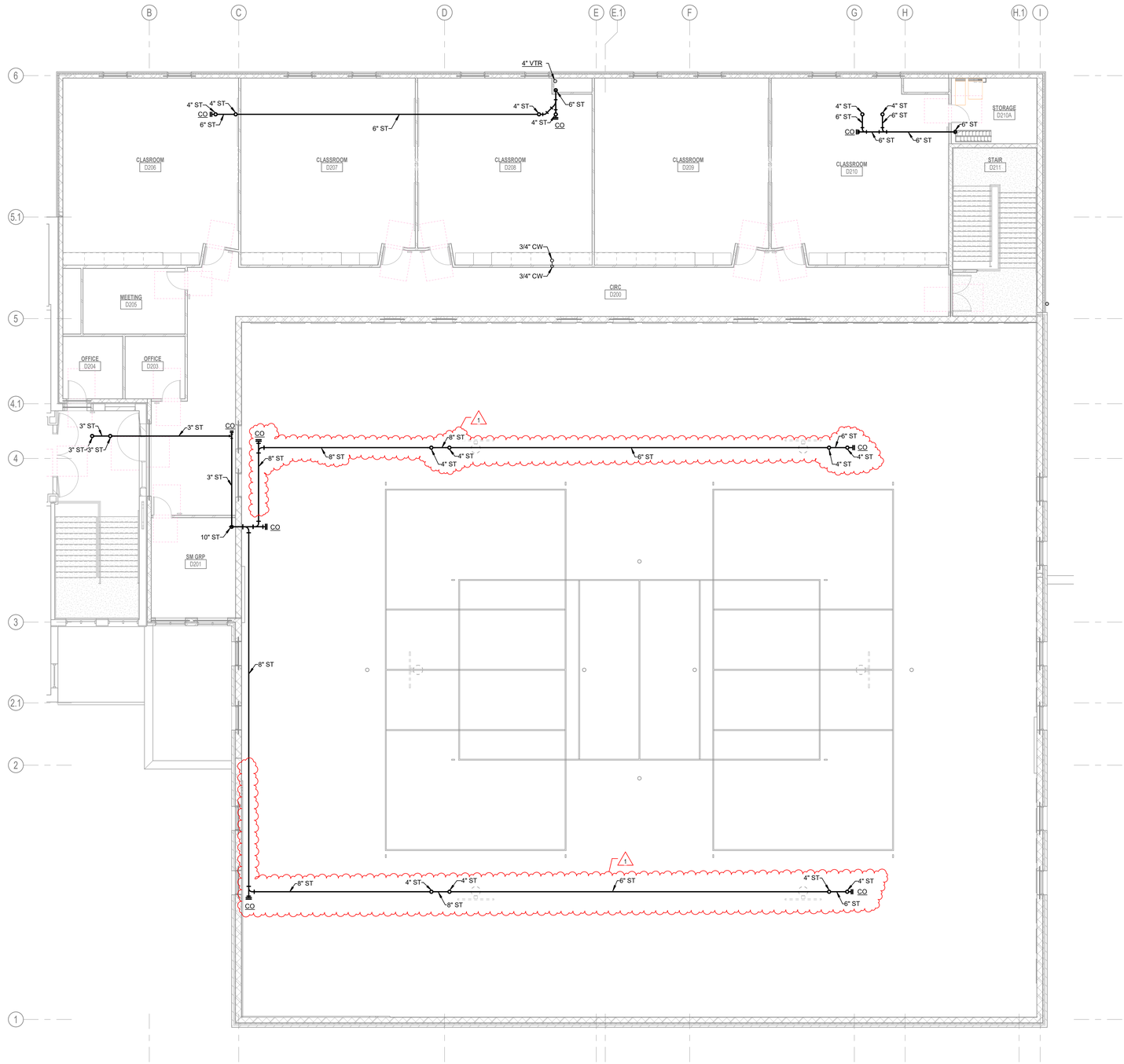
# MECHANICAL SCHEDULES

Scale: 12" = 1'-0"

# M-601


Architect Wold Architects and Engineers
Linton-Stockton Addition and Renovation
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**PLUMBING UPPER LEVEL FLOOR PLAN - AREA D**
1/8" = 1'-0"

# Linton-Stockton Addition and Renovation

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| Description | Date | Num. |
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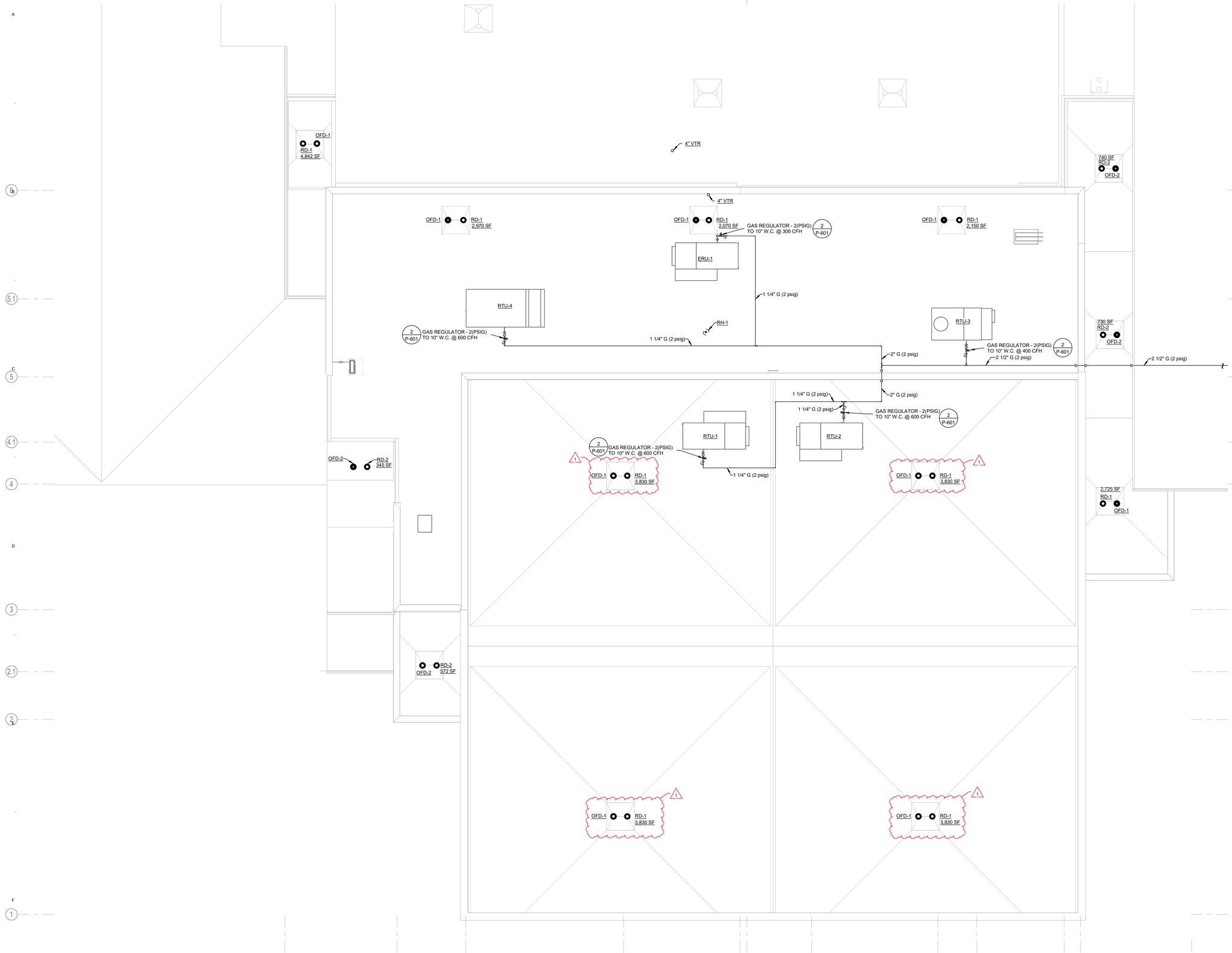
Comm: 260804037
Date: 09/25/2026
Drawn: IOP
Check: LLP
North

# PLUMBING UPPER LEVEL FLOOR PLAN - AREA D

Scale: 1/8" = 1'-0"

# PP103

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1 PLUMBING ROOF PLAN - AREA D
1/8" = 1'-0"

# Linton-Stockton Addition and Renovation

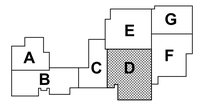
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| Description | Date | Num |
| Addendum #01 | 10/22/2026 | 1 |

Comm: 260804037
Date: 09/25/2026
Drawn: IOP
Check: LLP

North

# PLUMBING ROOF PLAN - AREA D

Scale: 1/8" = 1'-0"

# PR101

M

**COMMERCIAL WATER CLOSET SCHEDULE (224213.13)**

| FIXTURE | | | | FLUSHOMETER | | | | FIXTURE CONNECTION | | | MOUNTING | ADA | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | DESCRIPTION | MANUFACTURER | MODEL | OPERATION | TOILET SEAT | CW | W | V | (FLOOR TO RIM) | COMPLIANT | NOTES |
| WC-1 | AMERICAN STANDARD | AFWALL #2257.101 | WALL-MOUNTED, TOP SPUD WATER CLOSET | SLOAN | REGAL #111-1.6 | MANUAL | CLOSED BACK, OPEN FRONT | 1" | 4" | 2" | 15" | No | |
| WC-2 | AMERICAN STANDARD | AFWALL #2257.101 | WALL-MOUNTED, TOP SPUD, ACCESSIBLE WATER CLOSET | SLOAN | REGAL #111-1.6 | MANUAL | CLOSED BACK, OPEN FRONT | 1" | 4" | 2" | 17" | Yes | |

**COMMERCIAL URINAL SCHEDULE (224213.16)**

| FIXTURE | | | | FLUSHOMETER | | | FIXTURE CONNECTION | | | MOUNTING | ADA | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | DESCRIPTION | MANUFACTURER | MODEL | OPERATION | CW | W | V | (FLOOR TO RIM) | COMPLIANT | NOTES |
| UR-1 | AMERICAN STANDARD | WASHBROOK #6590.001 | WALL-HUNG, BACK OUTLET, WASHOUT, ACCESSIBLE | SLOAN | REGAL #186-1.0 | MANUAL | 3/4" | 2" | 1 1/2" | 24" | No | |
| UR-2 | AMERICAN STANDARD | WASHBROOK #6590.001 | WALL-HUNG, BACK OUTLET, WASHOUT, ACCESSIBLE | SLOAN | REGAL #186-1.0 | MANUAL | 3/4" | 2" | 1 1/2" | 17" | Yes | |

**COMMERCIAL LAVATORY SCHEDULE (224216.13)**

| FIXTURE | | | | FAUCET | | | FIXTURE CONNECTION | | | | MOUNTING | ADA | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | DESCRIPTION | MANUFACTURER | MODEL | OPERATION | CW | HW | W | V | (FLOOR TO RIM) | COMPLIANT | NOTES |
| L-1 | AMERICAN STANDARD | LUCERNE #0355.012 | VITREOUS CHINA, WALL MOUNTED, WITH BACK | CHICAGO FAUCET | #802-VE66XKABCP | MANUAL | 1/2" | 1/2" | 1 1/2" | 1 1/2" | 34" | Yes | |
| L-2 | BRADLEY | #MG-3 | THREE-COMPARTMENT, SOLID-SURFACE, WASH FOUNTAIN | N/A | N/A | MANUAL | 1/2" | 1/2" | 1 1/2" | 1 1/2" | 34" | Yes | |

**COMMERCIAL SINK SCHEDULE (224216.16)**

| FIXTURE | | | | FAUCET | | FIXTURE CONNECTION | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | DESCRIPTION | MANUFACTURER | MODEL | CW | HW | W | V | MOUNTING | ADA COMPLIANT | NOTES |
| MB-1 | ZURN | #Z1996-24 | MOLDED STONE, FLOOR MOUNTED (RECESSED) MOP BASIN | CHICAGO FAUCET | #897-RCF | 3/4" | 3/4" | 3" | 1 1/2" | FLOOR MOUNTED | | |
| SK-1 | ELKAY | #LRAD221955 | STAINLESS STEEL, ONE BOWL, COUNTER MOUNTED SINK | CHICAGO FAUCET | #527-GN8AE3-317ABCP | 1/2" | 1/2" | 1 1/2" | 1 1/2" | 34" | Yes | |
| SK-2 | E.L. MUSTEE | #14 UTILATUB | FLOOR MOUNTED LAUNDRY/UTILITY TUB | E.L. MUSTEE | #93.600 | 1/2" | 1/2" | 1 1/2" | 1 1/2" | FLOOR MOUNTED | | |

BID ALTERNATE

**SHOWER SCHEDULE (224223)**

| FIXTURE | | | | FIXTURE CONNECTION | | | | ADA | |
|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | DESCRIPTION | CW | HW | W | V | COMPLIANT | NOTES |
| SH-1 | BRADLEY | WS-1WCA-EF-ES-ST-RSD-VS | SURFACE MOUNTED SHOWER | 3/4" | 3/4" | | | | 80" TO FIXED SHOWER HEAD |
| SH-2 | BRADLEY | WS-1WCA-EF-ST-S20-RSD-SL-VS | SURFACE MOUNTED ADA SHOWER/HAND SHOWER TRIM | 1/2" | 1/2" | | | Yes | 38" MIN. -48" MAX. TO THE CONTROLS. 80" TO THE FIXED SHOWER HEAD. |

**PRESSURE WATER COOLER SCHEDULE (224716)**

| IDENTITY DATA | | | | FIXTURE CONNECTION | | | MOUNTING | ADA | |
|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | DESCRIPTION | CW | W | V | (FLOOR TO BUBBLER) | COMPLIANT | NOTES |
| EWC-1 | ELKAY | #VRCGRN8WSK | ELECTRIC WATER COOLER/BOTTLE FILLER: SATIN FINISHED STAINLESS STEEL BOWL AND CABINET, BOTTLE FILLING UNIT INCLUDES AN ELECTRONIC SENSOR FOR NO-TOUCH ACTIVATION. TRIM: ADJUSTABLE P-TRAP WITH CLEANOUT, 1/2" ANGLE STOP WITH LOOSE KEY HANDLE, 1/2" O.D. CHROME PLATED SUPPLY. | 3/4" | 1 1/2" | 1 1/2" | 41" A.F.F. | No | |
| EWC-2 | ELKAY | #VRCGRN8WSK | ELECTRIC WATER COOLER/BOTTLE FILLER: SATIN FINISHED STAINLESS STEEL BOWL AND CABINET, BOTTLE FILLING UNIT INCLUDES AN ELECTRONIC SENSOR FOR NO-TOUCH ACTIVATION. TRIM: ADJUSTABLE P-TRAP WITH CLEANOUT, 1/2" ANGLE STOP WITH LOOSE KEY HANDLE, 1/2" O.D. CHROME PLATED SUPPLY. | 3/4" | 1 1/2" | 1 1/2" | 36" A.F.F. | Yes | |

**DOMESTIC WATER PIPING SPECIALTIES SCHEDULE (221119)**

| IDENTITY DATA | | | | FIXTURE CONNECTION | | | | MOUNTING | |
|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | DESCRIPTION | CW | HW | W | V | (FLOOR TO OUTLET) | NOTES |
| HB-1 | ZURN | #Z1330-XL | HOSE BIB WITH RECESSED BOX | 3/4" | | | | 18" A.F.F. | |
| RH-1 | J.R. SMITH | #5903 | NON-FREEZE ROOF HYDRANT | 3/4" | | | | DECK MOUNTED | |
| WMB-1 | IPS CORPORATION | #SSWB2 | CLOTHES WASHER OUTLET BOX | 3/4" | 3/4" | 2" | 1 1/2" | 42" A.F.F. | |

**SANITARY WASTE PIPING SPECIALTIES SCHEDULE (221319)**

| IDENTITY DATA | | | | W | |
|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | DESCRIPTION | CONNECTION | NOTES |
| FD-1 | ZURN | #Z415B-ZB | DUCO CAST IRON BODY WITH FLASHING COLLAR, ADJUSTABLE ROUND STRAINER HEAD, POLISHED BRONZE STRAINER | 2" | TRAPGUARD BY PROSET, NO SUBSTITUTIONS |
| SD-1 | ZURN | #2415B-ZB | DUCO CAST IRON BODY WITH FLASHING COLLAR, ADJUSTABLE ROUND STRAINER HEAD, POLISHED BRONZE STRAINER | 2" | |

**STORM DRAINAGE PIPING SPECIALTIES SCHEDULE (221423)**

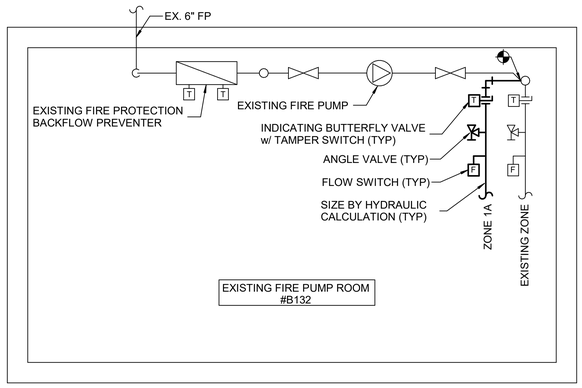
| IDENTITY DATA | | | | W | |
|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | DESCRIPTION | CONNECTION | NOTES |
| OFD-1 | ZURN | #ZC100-C-EA-R-89 | DUCO CAST IRON BODY, FLASHING CLAMP, CAST IRON DOME, CAST IRON WATER DAM | 4" | |
| OFD-2 | ZURN | #ZC100-C-EA-R-89 | DUCO CAST IRON BODY, FLASHING CLAMP, CAST IRON DOME, CAST IRON WATER DAM | 3" | |
| RD-1 | ZURN | #ZC100-C-EA-R | DUCO CAST IRON BODY WITH FLASHING CLAMP AND CAST IRON DOME | 4" | |
| RD-2 | ZURN | #ZC100-C-EA-R | DUCO CAST IRON BODY WITH FLASHING CLAMP AND CAST IRON DOME | 3" | |

**WATER HAMMER ARRESTER (221119)**

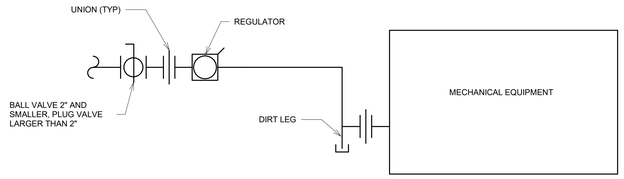
| MARK | IPS | F.U. RATING | J.R. SMITH NO. | WADE NO. | ZURN NO. | REMARKS |
|---|---|---|---|---|---|---|
| A | 3/4" | 1-11 | 5005 | W-5 | 100 | P.D.I. CERTIFIED |
| B | 1" | 12-32 | 5010 | W-10 | 200 | P.D.I. CERTIFIED |
| C | 1" | 33-60 | 5020 | W-20 | 300 | P.D.I. CERTIFIED |
| D | 1" | 61-113 | 5030 | W-50 | 400 | P.D.I. CERTIFIED |
| E | 1" | 114-154 | 5040 | W-75 | 500 | P.D.I. CERTIFIED |



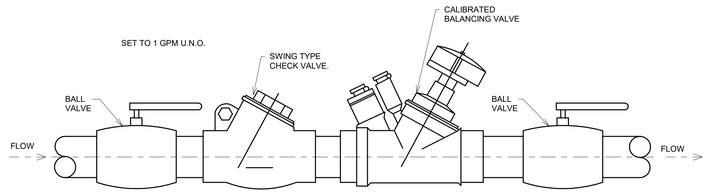

4 **NEW RISER CONNECTION TO EXISTING RISER LOCATION**
NOT TO SCALE




3 **FIRE RISER DETAIL**
NOT TO SCALE




2 **GAS CONNECTION TO MECHANICAL EQUIPMENT DETAIL**
NOT TO SCALE




1 **BALANCING STATION**
NOT TO SCALE

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**Linton-Stockton Addition and Renovation**

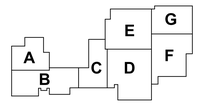
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| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

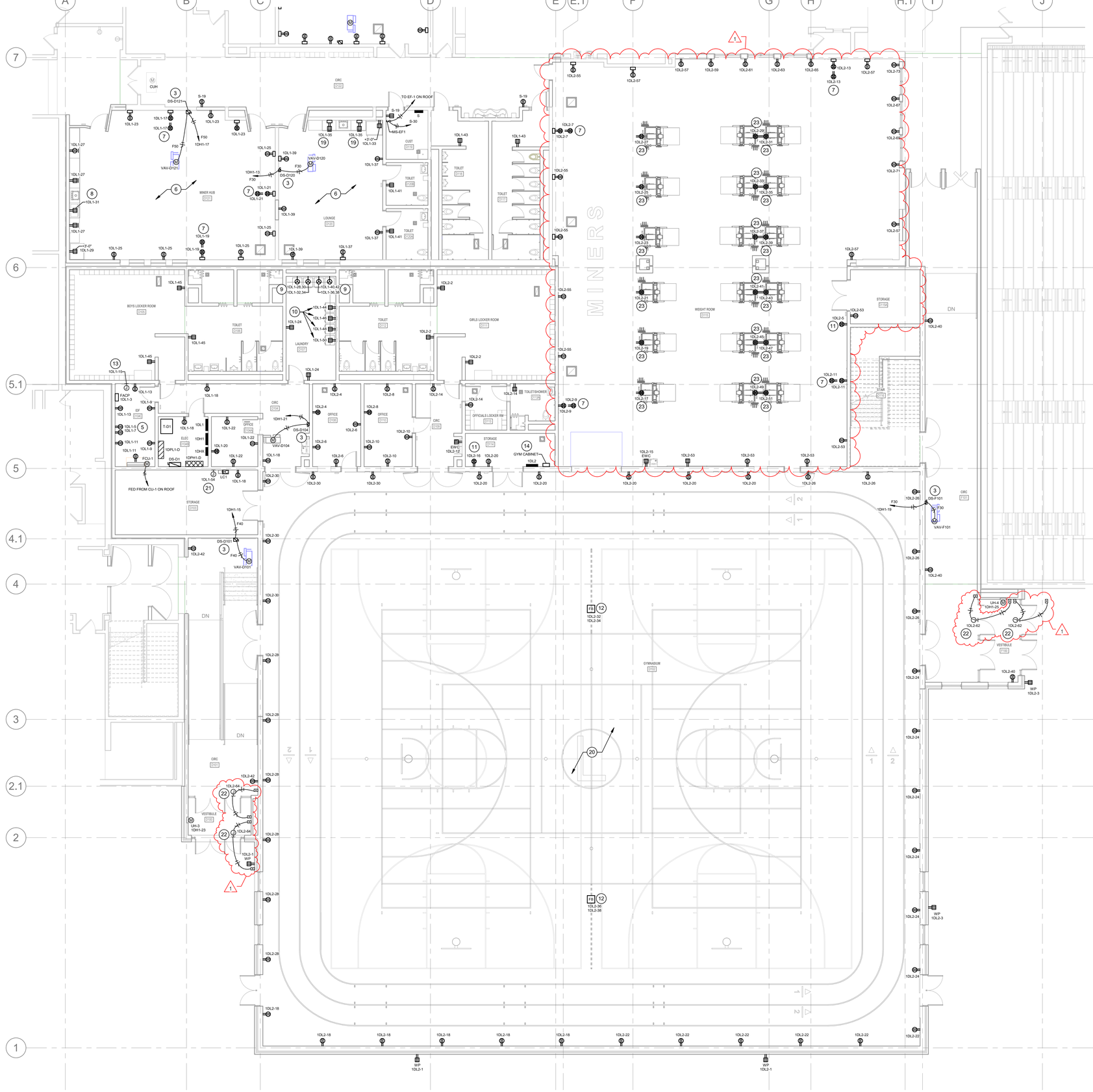
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# PLUMBING DETAILS AND SCHEDULES

Scale: **As indicated**

# P-601

IN




## GENERAL POWER NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

B PROVIDE A GEAR SUBMITTAL FOR GENERAL APPROVAL PRIOR TO CONDUCTING STUDIES. IMPLEMENT RECOMMENDATIONS TO ELECTRICAL GEAR FOR FINAL APPROVAL AFTER STUDIES ARE COMPLETED AND APPROVED.

C COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT AND INTERIOR DESIGNER.

D PROVIDE LABELS ON ALL EQUIPMENT MODIFIED BY THIS PROJECT. PROVIDE LABELS ON ALL JUNCTION BOXES AND CONDUITS MODIFIED OR PROVIDED BY THIS PROJECT. PROVIDE UPDATED PANELBOARD DIRECTORIES ON ALL PANELBOARDS MODIFIED BY THIS PROJECT.

E PAINT ALL EXPOSED ELECTRICAL RACEWAYS AND BOXES IN FINISHED AREAS TO MATCH ADJACENT SURFACES. COORDINATE WITH DIVISION 09'.

F NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

## POWER PLAN NOTES

1 EXISTING FIRE ALARM CONTROL PANEL.

2 APPROXIMATE FEEDER ROUTING FOR DISTRIBUTION BOARD '1DPH1-D' AND DISCONNECT 'DS-D1'. COORDINATE WITH ALL TRADES. SEE RISER DIAGRAM ON DRAWING E-602 FOR ADDITIONAL DETAILS.

3 INSTALL DISCONNECT ABOVE CEILING. COORDINATE LOCATION IN FIELD.

4 NEW ELECTRICAL DEVICE(S). RECONNECT WIRING AND CONDUIT MAINTAINED DURING DEMOLITION. REWORK AND EXTEND WIRING AND CONDUIT AS REQUIRED.

5 PROVIDE RECEPTACLE(S) FOR TELECOM RACK. COORDINATE LOCATION WITH TELECOMMUNCATION DRAWINGS.

6 PROVIDE LEGRAND WIREMOLD 4000 SERIES OR EQUAL FOR ALL SURFACE MOUNTED ELECTRICAL DEVICES AND TELECOM DEVICES IN THIS AREA. COORDINATE WITH TELECOMMUNCATON DRAWINGS.

7 PROVIDE RECEPTACLE FOR TV/MONITOR. COORDINATE LOCATION AND MOUNTING HEIGHT WITH TELECOMMUNICATION DRAWINGS.

8 INSTALL RECEPTACLE IN MICROWAVE CABINET. COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS.

9 PROVIDE NEMA 14-30R RECEPTACLES FOR DRYERS +48 INCHES AFF. PROVIDE F30 FEEDERS.

10 PROVIDE RECEPTACLES FOR WASHERS +48 INCHES AFF.

11 PROVIDE RECEPTACLE(S) FOR AV RACK. COORDINATE LOCATION WITH TELECOMMUNICATION DRAWINGS.

12 PROVIDE HUBBELL SYSTEMONE (RECESSED) OR EQUAL 6-GANG FLOOR BOX FOR SCORER'S TABLE WITH TWO (2) DUPLEX RECEPTACLES ON DEDICATED CIRCUITS. COORDINATE REQUIRED TELECOM DEVICES WITH IT CONTRACTOR. EC TO PROVIDE ALL CONDUIT FOR TELECOM. COORDINATE WITH TELECOMMUNICATION DRAWINGS.

13 PROVIDE POWER FOR DOOR ACCESS CONTROL PANEL. COORDINATE WITH TELECOMMUNCATION DRAWINGS.

14 PROVIDE 24"x24"x7" LOCKABLE HINGED METAL ENCLOSURE TO INSTALL GYM EQUIPMENT CONTROLS.

15 PROVIDE POWER FOR MOTORIZED BASKETBALL BACKSTOP. CONTROLS FURNISHED BY OTHERS AND INSTALLED BY EC. EC TO PROVIDE ALL WIRING AND CONDUIT. INSTALL CONTROLS IN GYM CABINET IN STORAGE D114. CONFIRM ALL REQUIREMENTS WITH MANUFACTURER GUIDELINES.

16 PROVIDE POWER FOR GYM DIVIDER CURTAIN. CONTROLS FURNISHED BY OTHERS AND INSTALLED BY EC. EC TO PROVIDE ALL WIRING AND CONDUIT. INSTALL CONTROLS IN GYM CABINET IN STORAGE D114. CONFIRM ALL REQUIREMENTS WITH MANUFACTURER GUIDELINES.

17 PROVIDE RECEPTACLE FOR SCORER STATION. COORDINATE LOCATION WITH TELECOMMUNICATION DRAWINGS.

18 PROVIDE RECEPTACLE FOR SCOREBOARD. COORDINATE LOCATION IN FIELD AND INSTALL ACCORDING TO MANUFACTURER GUIDELINES.

19 COORDINATE POWER ROUTING FOR RECEPTACLE(S) WITH ANY UPPER CABINETS. COORDIANTE WITH ARCHITECTURAL DRAWINGS.

20 COORDINATE LOCATION OF ALL ELECTRICAL ITEMS IN THIS AREA WITH WALL PADDING. REFER TO ARCHITECTURAL DRAWINGS.

21 PROVIDE POWER FOR TEMPERATURE CONTROL PANEL.

22 PROVIDE POWER FOR DOOR OPERATORS AND ACTUATORS.

23 PROVIDE RECEPTACLE(S) IN CEILING FOR GYM EQUIPMENT. COORDINATE LOCATION WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.

1 ELECTRICAL POWER MAIN LEVEL FLOOR PLAN - AREA D
1/8" = 1'-0"


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REGISTERED
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PE12100175
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| Revisions | | |
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| Description | Date | Num |
| Addendum #01 | 10/22/2026 | 1 |

Comm: 260804037
Date: 09/25/2026
Drawn: GSR
Check: DLJ

North

# ELECTRICAL POWER MAIN LEVEL FLOOR PLAN - AREA D

Scale: 1/8" = 1'-0"

# EP101


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## INTERIOR/EXTERIOR/EMERGENCY & EXIT LIGHT FIXTURES SCHEDULE

| LABEL | DESCRIPTION | VOLTAGE | SOURCE TYPE | LUMENS | WATTS | CCT | MOUNTING | LENS/REFLECTOR | CERTIFICATIONS | ACCEPTABLE MANUFACTURERS | LABEL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L1 | 2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. | 120/277 V | LED | 3,600 LM | 30 W | 4000K, 80 CRI | RECESSED IN GRID | WHITE FROST ACRYLIC | DLC | COLUMBIA CBT-LSCS<br>METALUX CGTS<br>LITHONIA CPX<br>DAY-BRITE 2SBP4 | L1 |
| L1B | 2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. PROVIDE INTEGRAL BATTERY INVERTER. | 120/277 V | LED | 3,600 LM | 30 W | 4000K, 80 CRI | RECESSED IN GRID | WHITE FROST ACRYLIC | DLC | COLUMBIA CBT-LSCS<br>METALUX CGTS<br>LITHONIA CPX<br>DAY-BRITE 2SBP4 | L1B |
| L1E | 2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. PROVIDE GENERATOR TRANSFER DEVICE. | 120/277 V | LED | 3,600 LM | 30 W | 4000K, 80 CRI | RECESSED IN GRID | WHITE FROST ACRYLIC | DLC | COLUMBIA CBT-LSCS<br>METALUX CGTS<br>LITHONIA CPX<br>DAY-BRITE 2SBP4 | L1E |
| L1SB | 2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. PROVIDE INTEGRAL BATTERY INVERTER. | 120/277 V | LED | 3,600 LM | 30 W | 4000K, 80 CRI | SURFACE MOUNTED | WHITE FROST ACRYLIC | DLC | COLUMBIA CBT-LSCS<br>METALUX CGTS<br>LITHONIA CPX<br>DAY-BRITE 2SBP4 | L1SB |
| L2 | 2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. | 120/277 V | LED | 5,000 LM | 40 W | 4000K, 80 CRI | RECESSED IN GRID | WHITE FROST ACRYLIC | DLC | COLUMBIA CBT-LSCS<br>METALUX CGTS<br>LITHONIA CPX<br>DAY-BRITE 2SBP4 | L2 |
| L2B | 2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. PROVIDE INTEGRAL BATTERY INVERTER. | 120/277 V | LED | 5,000 LM | 40 W | 4000K, 80 CRI | RECESSED IN GRID | WHITE FROST ACRYLIC | DLC | COLUMBIA CBT-LSCS<br>METALUX CGTS<br>LITHONIA CPX<br>DAY-BRITE 2SBP4 | L2B |
| L2E | 2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. PROVIDE GENERATOR TRANSFER DEVICE. | 120/277 V | LED | 5,000 LM | 40 W | 4000K, 80 CRI | RECESSED IN GRID | WHITE FROST ACRYLIC | DLC | COLUMBIA CBT-LSCS<br>METALUX CGTS<br>LITHONIA CPX<br>DAY-BRITE 2SBP4 | L2E |
| L3 | 2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. | 120/277 V | LED | 6,600 LM | 60 W | 4000K, 80 CRI | RECESSED IN GRID | WHITE FROST ACRYLIC | DLC | COLUMBIA CBT-LSCS<br>METALUX CGTS<br>LITHONIA CPX<br>DAY-BRITE 2SBP4 | L3 |
| L3B | 2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. PROVIDE INTEGRAL BATTERY INVERTER. | 120/277 V | LED | 6,600 LM | 60 W | 4000K, 80 CRI | RECESSED IN GRID | WHITE FROST ACRYLIC | DLC | COLUMBIA CBT-LSCS<br>METALUX CGTS<br>LITHONIA CPX<br>DAY-BRITE 2SBP4 | L3B |
| L3E | 2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. PROVIDE GENERATOR TRANSFER DEVICE. | 120/277 V | LED | 6,600 LM | 60 W | 4000K, 80 CRI | RECESSED IN GRID | WHITE FROST ACRYLIC | DLC | COLUMBIA CBT-LSCS<br>METALUX CGTS<br>LITHONIA CPX<br>DAY-BRITE 2SBP4 | L3E |
| L4 | 16" DIAMETER LED HIGHBAY. WHITE POLYESTER POWDER COAT FINISH. ROUND. 0-10V DIMMING. SELECTABLE CCT AND SELECTABLE LUMEN OUTPUT. SAFETY CHAIN OR CABLE. | 120/277 V | LED | 27,000 LM | 195 W | 4000K, 80 CRI | HOOK | IMPACT RESISTANT POLYCARBONATE LENS | DLC | LITHONIA CPRB<br>METALUX UHBS2<br>COLUMBIA CRN2<br>UTOPIA RHB-4G | L4 |
| L4E | 16" DIAMETER LED HIGHBAY. WHITE POLYESTER POWDER COAT FINISH. ROUND. 0-10V DIMMING. SELECTABLE CCT AND SELECTABLE LUMEN OUTPUT. SAFETY CHAIN OR CABLE. PROVIDE GENERATOR TRANSFER DEVICE. | 120/277 V | LED | 27,000 LM | 195 W | 4000K, 80 CRI | HOOK | IMPACT RESISTANT POLYCARBONATE LENS | DLC | LITHONIA CPRB<br>METALUX UHBS2<br>COLUMBIA CRN2<br>UTOPIA RHB-4G | L4E |
| L5 | 4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH. | 120/277 V | LED | 5,400 LM | 45 W | 4000K, 80 CRI | CHAIN MOUNTED TO STRUCTURE | SEMI-FROSTED LENS | DLC | COLUMBIA MPS<br>METALUX SNX<br>LITHONIA CSS<br>DAY-BRITE FSS | L5 |
| L6W | 6" ROUND LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING. WET LOCATION LISTED, NON-CONDUCTIVE, DEAD-FRONT CONSTRUCTION. | 120/277 V | LED | 500 LM | 8 W | 4000K, 80 CRI | RECESSED | SEMI-SPECULAR LENS | N/A | ALPHABET NU6<br>HALO COMMERCIAL HC6<br>GOTHAM EVO6<br>LIGHTOLIER P6R | L6W |
| S1 | LED SITE FIXTURE. SINGLE-PIECE ALUMINUM HOUSING. ARM MOUNT. U.L. LISTED WET LOCATION. ARCHITECT/OWNER TO SELECT FINISH. ROUND, STRAIGHT, STEEL, POLE DESIGNED TO SUPPORT FIXTURE(S) IN 100 MPH WINDS WITH 1.3 GUST FACTOR. PRIMARY FUSES. FLAT LENS. SURGE PROTECTION. (1) HEAD. | 120/277 V | LED | 17,000 LM | 111 W | 4000K, 70 CRI | 30' POLE, BASE BY DIVISION 26 CONTRACTOR | TYPE III WIDE DISTRIBUTION | DLC | LITHONIA RSX<br>LUMARK PREVAIL DISCRETE<br>BEACON VIPER<br>GARDCO OPF | S1 |
| WP1 | LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. ARCHITECT/OWNER TO SELECT FINISH. U.L. LISTED FOR WET LOCATIONS. | 120/277 V | LED | 5,000 LM | 35 W | 4000K, 70 CRI | WALL MOUNTED | TYPE III DISTRIBUTION | DLC | MCGRAW-EDISON ISS<br>TRACE LITE SML<br>VERSALED WP37-C<br>BEACON GEOPAK SERIES 2 | WP1 |
| WP1E | LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. ARCHITECT/OWNER TO SELECT FINISH. U.L. LISTED FOR WET LOCATIONS. PROVIDE GENERATOR TRANSFER DEVICE. | 120/277 V | LED | 5,000 LM | 35 W | 4000K, 70 CRI | WALL MOUNTED | TYPE III DISTRIBUTION | DLC | MCGRAW-EDISON ISS<br>TRACE LITE SML<br>VERSALED WP37-C<br>BEACON GEOPAK SERIES 2 | WP1E |
| WP2E | LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. ARCHITECT/OWNER TO SELECT FINISH. U.L. LISTED FOR WET LOCATIONS. PROVIDE GENERATOR TRANSFER DEVICE. | 120/277 V | LED | 5,000 LM | 35 W | 4000K, 70 CRI | WALL MOUNTED | TYPE IV DISTRIBUTION | DLC | MCGRAW-EDISON ISS<br>TRACE LITE SML<br>VERSALED WP37-C<br>BEACON GEOPAK SERIES 2 | WP2E |
| X1 | LED EXIT LIGHT, WHITE THERMOPLASTIC HOUSING. SINGLE FACE. STENCIL FACE, RED LETTERS. AC ONLY. SELF-TESTING/SELF-DIAGNOSTIC. | 120/277 V | LED | N/A | 5 W | N/A | UNIVERSAL | N/A | N/A | LITHONIA LQM<br>SURE-LITES APX<br>LUMENCIA LLXS<br>CHLORIDE CLX | X1 |
| X1V | LED EXIT LIGHT, WHITE THERMOPLASTIC HOUSING. SINGLE FACE. STENCIL FACE, RED LETTERS. AC ONLY. SELF-TESTING/SELF-DIAGNOSTIC. PROVIDE POLYCARBONATE VANDAL PROOF COVER. | 120/277 V | LED | N/A | 5 W | N/A | UNIVERSAL | N/A | N/A | LITHONIA LQM<br>SURE-LITES APX<br>LUMENCIA LLXS<br>CHLORIDE CLX | X1V |
| X2 | LED EXIT LIGHT, WHITE THERMOPLASTIC HOUSING. SINGLE FACE. STENCIL FACE, RED LETTERS. AC ONLY. SELF-TESTING/SELF-DIAGNOSTIC. SELF-POWERED. NICKEL-CADMIUM BATTERY. | 120/277 V | LED | N/A | 5 W | N/A | UNIVERSAL | N/A | N/A | LITHONIA LQM<br>SURE-LITES APX<br>LUMENCIA LLXS<br>CHLORIDE CLX | X2 |

## GENERAL LIGHT FIXTURE SCHEDULE NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

B PROVIDE VIBRATION DAMPERS FOR ALL ALUMINUM AND STEEL POLES 10'-0" AND ABOVE.

C PROVIDE SELF-DIAGNOSTICS AND SELF-TESTING FOR ALL LIFE SAFETY FIXTURES (EXIT FIXTURES, WALL PACKS, INVERTERS BALLASTS, ETC.)

D PROVIDE 0-10V ELECTRONIC DIMMING DRIVER DOWN TO 10% UNLESS OTHERWISE NOTED.

E PROVIDE A MINIMUM OF ONE CLIP PER SIDE UP TO 4' AND CABLE SUPPORTS FOR EACH LIGHT FIXTURE.

F REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.

G SUBMITT LIGHTING PER APPROPRIATE SPECIFICATION SECTION.

## LIGHTING CONTACTORS SCHEDULE

| LABEL | EQUIPMENT RATINGS VOLTAGE | AMPERAGE | POLES | NEMA ENCL | ACCESSORIES | COIL CIRCUIT VOLTAGE | PANEL | CIRCUIT | CONTROL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| LC1 | 600 V | 30 A | 8 | NEMA 1 | H-O-A<br>PILOT LIGHT | 120 V | 1DL1 | 1 | PHOTOCELL LOCATED ON ROOF | |

# Linton-Stockton Addition and Renovation

10 H St NE
Linton, IN 47441

260804037

**Linton-Stockton Schools**
10 H St NE, Linton, IN 47441


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KEY PLAN




| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #01** | **10/22/2026** | **1** |

Comm: **260804037**
Date: **09/25/2026**
Drawn: **GSR**
Check: **DLJ**

North

# ELECTRICAL LIGHTING SCHEDULES

Scale:

# E-601

A


Autodesk Docs://Linton-Stockton Addition and Renovation/260804037-LSE_ARMPC_R_2025_Central.rvt
10/22/2026 11:08:05 AM

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## BRANCH PANELBOARD SCHEDULE

**DESIGNATION:** 2DL1 **VOLTS:** 208Y/120 V **MAINS RATING:** 225 A
**LOCATION:** STORAGE D210A **PHASES:** 3 **MAINS TYPE:** MLO
**MOUNTING:** SURFACE **WIRES:** 4
**SUPPLY FROM:** 1DPL1-D **AIC RATING:** 22,000

| O | CKT NO. | DESCRIPTION | TRIP | P | A | | B | | C | | P | TRIP | DESCRIPTION | CKT NO. | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | RECEPTACLE - CLASSROOM D210 | 20 A | 1 | 0.72 | 0.72 | | | | | 1 | 20 A | RECEPTACLE - CLASSROOM D206 | 2 | |
| | 3 | RECEPTACLE - CLASSROOM D210 | 20 A | 1 | | | 0.72 | 0.72 | | | 1 | 20 A | RECEPTACLE - CLASSROOM D206 | 4 | |
| | 5 | RECEPTACLE - CLASSROOM D210 | 20 A | 1 | | | | | 0.90 | 0.72 | 1 | 20 A | RECEPTACLE - CLASSROOM D206 | 6 | |
| A | 7 | RECEPTACLE - CLASSROOM D210 | 20 A | 1 | 0.72 | 0.90 | | | | | 1 | 20 A | RECEPTACLE - CLASSROOM D206 | 8 | |
| | 9 | RECEPTACLE - CLASSROOM D209 | 20 A | 1 | | | 0.72 | 0.72 | | | 1 | 20 A | RECEPTACLE - CIRC D212 | 10 | |
| | 11 | RECEPTACLE - CLASSROOM D209 | 20 A | 1 | | | | | 0.72 | 0.72 | 1 | 20 A | RECEPTACLE - MEETING D205 | 12 | |
| | 13 | RECEPTACLE - CLASSROOM D209 | 20 A | 1 | 0.72 | 0.54 | | | | | 1 | 20 A | RECEPTACLE - MEETING D205 | 14 | |
| | 15 | RECEPTACLE - CLASSROOM D209 | 20 A | 1 | | | 0.90 | 0.54 | | | 1 | 20 A | RECEPTACLE - MEETING D205 | 16 | |
| | 17 | RECEPTACLE - CLASSROOM D208 | 20 A | 1 | | | | | 0.72 | 0.36 | 1 | 20 A | RECEPTACLE - OFFICE D203 | 18 | |
| | 19 | RECEPTACLE - CLASSROOM D208 | 20 A | 1 | 0.72 | 0.54 | | | | | 1 | 20 A | RECEPTACLE - OFFICE D203 | 20 | |
| | 21 | RECEPTACLE - CLASSROOM D208 | 20 A | 1 | | | 0.90 | 0.36 | | | 1 | 20 A | RECEPTACLE - OFFICE D204 | 22 | |
| | 23 | RECEPTACLE - CLASSROOM D208 | 20 A | 1 | | | | | 0.72 | 0.54 | 1 | 20 A | RECEPTACLE - OFFICE D204 | 24 | |
| | 25 | RECEPTACLE - CLASSROOM D207 | 20 A | 1 | 0.72 | 0.36 | | | | | 1 | 20 A | RECEPTACLE - SM GRP D201 | 26 | |
| | 27 | RECEPTACLE - CLASSROOM D207 | 20 A | 1 | | | 0.72 | 0.72 | | | 1 | 20 A | RECEPTACLE - SM GRP D201 | 28 | |
| | 29 | RECEPTACLE - CLASSROOM D207 | 20 A | 1 | | | | | 0.90 | 0.72 | 1 | 20 A | RECEPTACLE - SM GRP D201 | 30 | |
| | 31 | RECEPTACLE - CLASSROOM D207 | 20 A | 1 | 0.72 | 0.18 | | | | | 1 | 20 A | TCP - STORAGE D210A | 32 | |
| -- | 33 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | SPARE | 34 | -- |
| -- | 35 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 36 | -- |
| -- | 37 | SPARE | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | SPARE | 38 | -- |
| -- | 39 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | SPARE | 40 | -- |
| -- | 41 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 42 | -- |
| -- | 43 | SPARE | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | SPARE | 44 | -- |
| -- | 45 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | SPARE | 46 | -- |
| -- | 47 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 48 | -- |
| -- | 49 | SPACE | -- | 1 | -- | -- | | | | | 1 | -- | SPACE | 50 | -- |
| -- | 51 | SPACE | -- | 1 | | | -- | -- | | | 1 | -- | SPACE | 52 | -- |
| -- | 53 | SPACE | -- | 1 | | | | | -- | -- | 1 | -- | SPACE | 54 | -- |
| -- | 55 | SPACE | -- | 1 | -- | -- | | | | | 1 | -- | SPACE | 56 | -- |
| -- | 57 | SPACE | -- | 1 | | | -- | -- | | | 1 | -- | SPACE | 58 | -- |
| -- | 59 | SPACE | -- | 1 | | | | | -- | -- | 1 | -- | SPACE | 60 | -- |
| B | | **TOTAL LOAD:** | | | 7.56 kVA | | 7.02 kVA | | 7.02 kVA | | | | | | |
| | | **TOTAL AMPS:** | | | 63 A | | 59 A | | 59 A | | | | | | |

**TOTAL CONNECTED LOAD:** 21.60 kVA — 15.89 kVA **TOTAL DEMAND LOAD:**
**TOTAL CONNECTED AMPS:** 59.96 A — 44 A **TOTAL DEMAND AMPS:**

| PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS) | | LOAD CLASSIFICATION | CONNECTED LOAD (VA) | DEMAND FACTOR | ESTIMATE DEMAND (VA) |
|---|---|---|---|---|---|
| | | Power - Continuous | 180 VA | 100.00% | 180 VA |
| C | CONTACTOR CONTROLLED | RECEPTACLE | 21420 VA | 73.34% | 15710 VA |
| G | GFCI PROTECTED | | | | |
| P | HANDLE LOCKING DEVICE | | | | |
| S | SHUNT TRIP | | | | |
| X | 80% RATED MAIN CIRCUIT BREAKER WITH LSI | | | | |
| Y | 100% RATED MAIN CIRCUIT BREAKER WITH LSI | | | | |
| Z | 100% RATED MAIN CIRCUIT BREAKER WITH LSIG | | | | |
| | FEED THROUGH LUGS (FTL) | | | | |
| | SUB FEED LUGS (SFL) | | | | |

**NOTES:**

## BRANCH PANELBOARD SCHEDULE

**DESIGNATION:** 2DH1 **VOLTS:** 480Y/277 V **MAINS RATING:** 225 A
**LOCATION:** STORAGE D210A **PHASES:** 3 **MAINS TYPE:** MLO
**MOUNTING:** SURFACE **WIRES:** 4
**SUPPLY FROM:** 1DPH1-D **AIC RATING:** 65,000

| O | CKT NO. | DESCRIPTION | TRIP | P | A | | B | | C | | P | TRIP | DESCRIPTION | CKT NO. | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | LIGHTING - RM D201, D211, D212 | 20 A | 1 | 0.47 | 6.80 | | | | | 1 | 35 A | VAV-D210 - CLASSROOM D210 | 2 | |
| | 3 | LIGHTING - RM D203 TO D207 | 20 A | 1 | | | 1.24 | 6.30 | | | 1 | 30 A | VAV-D209 - CLASSROOM D209 | 4 | |
| | 5 | LIGHTING - RM D208 TO D210 | 20 A | 1 | | | | | 1.44 | 6.30 | 1 | 30 A | VAV-D208 - CLASSROOM D208 | 6 | |
| -- | 7 | SPARE | 20 A | 1 | 0.00 | 6.30 | | | | | 1 | 30 A | VAV-D207 - CLASSROOM D207 | 8 | |
| -- | 9 | SPARE | 20 A | 1 | | | 0.00 | 6.30 | | | 1 | 30 A | VAV-D206 - CLASSROOM D206 | 10 | |
| -- | 11 | SPARE | 20 A | 1 | | | | | 0.00 | 6.30 | 1 | 30 A | VAV-D200 - CIRC D200 | 12 | |
| -- | 13 | SPARE | 20 A | 1 | 0.00 | 3.20 | | | | | 1 | 15 A | VAV-D205 - MEETING D205 | 14 | |
| -- | 15 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 30 A | SPARE | 16 | -- |
| -- | 17 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 18 | -- |
| -- | 19 | SPARE | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | SPARE | 20 | -- |
| -- | 21 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | SPARE | 22 | -- |
| -- | 23 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 24 | -- |
| -- | 25 | SPARE | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | SPARE | 26 | -- |
| -- | 27 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | SPARE | 28 | -- |
| -- | 29 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 30 | -- |
| -- | 31 | SPACE | -- | 1 | -- | -- | | | | | 1 | -- | SPACE | 32 | -- |
| -- | 33 | SPACE | -- | 1 | | | -- | -- | | | 1 | -- | SPACE | 34 | -- |
| -- | 35 | SPACE | -- | 1 | | | | | -- | -- | 1 | -- | SPACE | 36 | -- |
| -- | 37 | SPACE | -- | 1 | -- | -- | | | | | 1 | -- | SPACE | 38 | -- |
| -- | 39 | SPACE | -- | 1 | | | -- | -- | | | 1 | -- | SPACE | 40 | -- |
| -- | 41 | SPACE | -- | 1 | | | | | -- | -- | 1 | -- | SPACE | 42 | -- |
| | | **TOTAL....** | | | 16.77 kVA | | 13.84 kVA | | 14.04 kVA | | | | | | |
| | | **TOTAL....** | | | 61 A | | 50 A | | 51 A | | | | | | |

**TOTAL CONNECTED LOAD:** 44650 VA — 34.51 kVA **TOTAL DEMAND LOAD:**
**TOTAL CONNECTED AMPS:** 54 A — 42 A **TOTAL DEMAND AMPS:**

| PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS) | | LOAD CLASSIFICATION | CONNECTED LOAD (VA) | DEMAND FACTOR | ESTIMATE DEMAND (VA) |
|---|---|---|---|---|---|
| | | Lighting - Interior | 3150 VA | 125.00% | 3938 VA |
| C | CONTACTOR CONTROLLED | Mechanical - Motor | 41500 VA | 73.67% | 30575 VA |
| G | GFCI PROTECTED | Other | 0 VA | 0.00% | 0 VA |
| P | HANDLE LOCKING DEVICE | | | | |
| S | SHUNT TRIP | | | | |
| X | 80% RATED MAIN CIRCUIT BREAKER WITH LSI | | | | |
| Y | 100% RATED MAIN CIRCUIT BREAKER WITH LSI | | | | |
| Z | 100% RATED MAIN CIRCUIT BREAKER WITH LSIG | | | | |
| | FEED THROUGH LUGS (FTL) | | | | |
| | SUB FEED LUGS (SFL) | | | | |

**NOTES:**

## EXISTING BRANCH PANELBOARD SCHEDULE

**DESIGNATION:** S **VOLTS:** 208Y/120 V **MAINS RATING:** 250 A
**LOCATION:** CUST D119 **PHASES:** 3 **MAINS TYPE:** MLO
**MOUNTING:** SURFACE **WIRES:** 4
**SUPPLY FROM:** MDB **AIC RATING:**

| O | CKT NO. | DESCRIPTION | TRIP | P | A | | B | | C | | P | TRIP | DESCRIPTION | CKT NO. | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -- | 1 | EXISTING CIRCUIT | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | EXISTING CIRCUIT | 2 | -- |
| -- | 3 | EXISTING CIRCUIT | 20 A | 1 | | | 0.00 | -- | | | 1 | -- | SPACE | 4 | -- |
| -- | 5 | EXISTING CIRCUIT | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | EXISTING CIRCUIT | 6 | -- |
| -- | 7 | EXISTING CIRCUIT | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | EXISTING CIRCUIT | 8 | -- |
| -- | 9 | EXISTING CIRCUIT | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | EXISTING CIRCUIT | 10 | -- |
| -- | 11 | EXISTING CIRCUIT | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | EXISTING CIRCUIT | 12 | -- |
| -- | 13 | CONCESSION STAND - NOTE 1 | 100 A | 2 | 0.00 | 0.00 | | | | | 1 | 20 A | EXISTING CIRCUIT | 14 | -- |
| | 15 | | | | | | 0.00 | 0.00 | | | 1 | 20 A | EXISTING CIRCUIT | 16 | -- |
| | 17 | LIGHTING - RM D119, D122 (NOTE 2) | 20 A | 1 | | | | | 0.36 | 0.54 | 1 | 20 A | LIGHTING - CLASSROOM E129 (NOTE 2) | 18 | |
| | 19 | RECEPTACLE - RM D119, D122 (NOTE 2) | 20 A | 1 | 0.54 | 0.00 | | | | | 1 | 20 A | SPARE (NOTE 2) | 20 | -- |
| | 21 | LIGHTING - LCKR RM E104, E105 (NOTE 2) | 20 A | 1 | | | 0.42 | 0.72 | | | 1 | 20 A | RECEPTACLE - CLASSROOM E129 | 22 | |
| | 23 | RECEPTACLE - LCKR RM E104 (NOTE 2) | 20 A | 1 | | | | | 0.36 | 3.15 | 2 | 40 A | VAV-E129 CLASSROOM E129 (NOTE 2) | 24 | |
| | 25 | RECEPTACLE - LCKR RM E105 (NOTE 2) | 20 A | 1 | 0.36 | 3.15 | | | | | | | | 26 | |
| | 27 | UH-1 | 30 A | 2 | | | 2.40 | 0.72 | | | 1 | 20 A | RECEPTACLE - CLASSROOM E129 | 28 | |
| | 29 | LCKR E105 (NOTE 2) | | | | | | | 2.40 | 0.36 | 1 | 15 A | EF-1 - ROOF (NOTE 2) | 30 | |
| | 31 | UH-2 | 30 A | 2 | 2.40 | 0.72 | | | | | 1 | 20 A | RECEPTACLE - CLASSROOM E129 | 32 | |
| | 33 | LCKR E104 (NOTE 2) | | | | | 2.40 | 0.90 | | | 1 | 20 A | RECEPTACLE - CLASSROOM E129 | 34 | |
| -- | 35 | SPACE | -- | 1 | | | | | -- | -- | 1 | -- | SPACE | 36 | -- |
| -- | 37 | SPACE | -- | 1 | -- | -- | | | | | 1 | -- | SPACE | 38 | -- |
| -- | 39 | SPACE | -- | 1 | | | -- | -- | | | 1 | -- | SPACE | 40 | -- |
| -- | 41 | SPACE | -- | 1 | | | | | -- | -- | 1 | -- | SPACE | 42 | -- |
| | | **TOTAL....** | | | 7.17 kVA | | 7.57 kVA | | 7.17 kVA | | | | | | |
| | | **TOTAL....** | | | 60 A | | 63 A | | 60 A | | | | | | |

**TOTAL CONNECTED LOAD:** 21909 VA — 22.43 kVA **TOTAL DEMAND LOAD:**
**TOTAL CONNECTED AMPS:** 61 A — 62 A **TOTAL DEMAND AMPS:**

| PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS) | | LOAD CLASSIFICATION | CONNECTED LOAD (VA) | DEMAND FACTOR | ESTIMATE DEMAND (VA) |
|---|---|---|---|---|---|
| | | Lighting - Interior | 1319 VA | 125.00% | 1649 VA |
| C | CONTACTOR CONTROLLED | Mechanical - Motor | 16270 VA | 101.19% | 16463 VA |
| G | GFCI PROTECTED | RECEPTACLE | 4320 VA | 100.00% | 4320 VA |
| P | HANDLE LOCKING DEVICE | | | | |
| S | SHUNT TRIP | | | | |
| X | 80% RATED MAIN CIRCUIT BREAKER WITH LSI | | | | |
| Y | 100% RATED MAIN CIRCUIT BREAKER WITH LSI | | | | |
| Z | 100% RATED MAIN CIRCUIT BREAKER WITH LSIG | | | | |
| | FEED THROUGH LUGS (FTL) | | | | |
| | SUB FEED LUGS (SFL) | | | | |

**NOTES:** 1) F100 WIRING AND CONDUIT, TWO HOTS, ONE NEUTRAL, ONE GROUND. VERIFY IN FIELD.
2) PROVIDE NEW CIRCUIT BREAKER.

A

## BRANCH PANELBOARD SCHEDULE

**DESIGNATION:** 2DL2 **VOLTS:** 208Y/120 V **MAINS RATING:** 225 A
**LOCATION:** STORAGE D114 **PHASES:** 3 **MAINS TYPE:** MLO
**MOUNTING:** SURFACE **WIRES:** 4
**SUPPLY FROM:** 1DPL1-D **AIC RATING:** 22,000

| O | CKT NO. | DESCRIPTION | TRIP | P | A | | B | | C | | P | TRIP | DESCRIPTION | CKT NO. | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | RECEPTACLE - EXTERIOR | 20 A | 1 | 0.54 | 0.54 | | | | | 1 | 20 A | RECEPTACLE - LCKR RM D111 | 2 | |
| | 3 | RECEPTACLE - EXTERIOR | 20 A | 1 | | | 0.36 | 0.54 | | | 1 | 20 A | RECEPTACLE - OFFICE D108 | 4 | |
| | 5 | AV RACK - WEIGHT RM D115 | 20 A | 1 | | | | | 0.36 | 0.54 | 1 | 20 A | RECEPTACLE - OFFICE D108 | 6 | |
| | 7 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | 0.36 | 0.54 | | | | | 1 | 20 A | RECEPTACLE - OFFICE D110 | 8 | |
| | 9 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | 0.36 | 0.54 | | | 1 | 20 A | RECEPTACLE - OFFICE D110 | 10 | |
| | 11 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | | | 0.36 | 0.50 | 1 | 20 A | EWC - CIRC D109 | 12 | |
| | 13 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | 0.36 | 0.54 | | | | | 1 | 20 A | RECEPTACLE - RM D109, D113 | 14 | |
| | 15 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | 0.50 | 0.36 | | | 1 | 20 A | RECEPTACLE - GYMNASIUM 102 | 16 | |
| | 17 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | | | 0.36 | 1.08 | 1 | 20 A | RECEPTACLE - GYMNASIUM 102 | 18 | |
| | 19 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | 0.36 | 1.08 | | | | | 1 | 20 A | RECEPTACLE - GYMNASIUM 102 | 20 | |
| | 21 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | 0.36 | 1.08 | | | 1 | 20 A | RECEPTACLE - GYMNASIUM 102 | 22 | |
| | 23 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | | | 0.36 | 1.08 | 1 | 20 A | RECEPTACLE - GYMNASIUM 102 | 24 | |
| | 25 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | 0.36 | 0.90 | | | | | 1 | 20 A | RECEPTACLE - GYMNASIUM 102 | 26 | |
| | 27 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | 0.36 | 1.08 | | | 1 | 20 A | RECEPTACLE - GYMNASIUM 102 | 28 | |
| | 29 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | | | 0.36 | 0.90 | 1 | 20 A | RECEPTACLE - GYMNASIUM 102 | 30 | |
| | 31 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | 0.36 | 0.18 | | | | | 1 | 20 A | FLOOR BOX - GYMNASIUM 102 | 32 | |
| | 33 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | 0.36 | 0.18 | | | 1 | 20 A | FLOOR BOX - GYMNASIUM 102 | 34 | |
| | 35 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | | | 0.36 | 0.18 | 1 | 20 A | FLOOR BOX - GYMNASIUM 102 | 36 | |
| | 37 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | 0.36 | 0.18 | | | | | 1 | 20 A | FLOOR BOX - GYMNASIUM 102 | 38 | |
| | 39 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | 0.36 | 0.54 | | | 1 | 20 A | RECEPTACLE - CIRC F101 | 40 | |
| | 41 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | | | 0.36 | 0.36 | 1 | 20 A | RECEPTACLE - CIRC D101 | 42 | |
| | 43 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | 0.36 | 1.14 | | | | | 1 | 20 A | BACKSTOP #1 - GYMNASIUM 102 | 44 | |
| | 45 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | 0.36 | 1.14 | | | 1 | 20 A | BACKSTOP #2 - GYMNASIUM 102 | 46 | |
| | 47 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | | | 0.36 | 1.14 | 1 | 20 A | BACKSTOP #3 - GYMNASIUM 102 | 48 | |
| | 49 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | 0.36 | 1.14 | | | | | 1 | 20 A | BACKSTOP #4 - GYMNASIUM 102 | 50 | |
| | 51 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | 0.36 | 1.14 | | | 1 | 20 A | BACKSTOP #5 - GYMNASIUM 102 | 52 | |
| | 53 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | | | 0.90 | 1.14 | 1 | 20 A | BACKSTOP #6 - GYMNASIUM 102 | 54 | |
| | 55 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | 0.90 | 0.82 | | | | | 1 | 15 A | DIVIDER CURTAIN - GYMNASIUM 102 | 56 | |
| | 57 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | 0.90 | 0.18 | | | 1 | 20 A | SCOREBOARD - GYMNASIUM 102 | 58 | |
| | 59 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | | | 0.18 | 0.18 | 1 | 20 A | SCOREBOARD - GYMNASIUM 102 | 60 | |
| | 61 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | 0.18 | 0.36 | | | | | 1 | 20 A | DOOR OPERATORS - CIRC F101 | 62 | |
| | 63 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | 0.18 | 0.36 | | | 1 | 20 A | DOOR OPERATORS - CIRC D101 | 64 | |
| | 65 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | | | 0.18 | 0.00 | 1 | 20 A | SPARE | 66 | -- |
| | 67 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | 0.18 | 0.00 | | | | | 1 | 20 A | SPARE | 68 | -- |
| | 69 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | 0.18 | 0.00 | | | 1 | 20 A | SPARE | 70 | -- |
| | 71 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | | | | | 0.18 | 0.00 | 1 | 20 A | SPARE | 72 | -- |
| | 73 | RECEPTACLE - WEIGHT RM D115 | 20 A | 1 | 0.18 | 0.00 | | | | | 1 | 20 A | SPARE | 74 | -- |
| -- | 75 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | SPARE | 76 | -- |
| -- | 77 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 78 | -- |
| -- | 79 | SPARE | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | SPARE | 80 | -- |
| -- | 81 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | SPARE | 82 | -- |
| -- | 83 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 84 | -- |
| | | **TOTAL LOAD:** | | | 12.28 kVA | | 11.78 kVA | | 11.42 kVA | | | | | | |
| | | **TOTAL AMPS:** | | | 103 A | | 99 A | | 95 A | | | | | | |

**TOTAL CONNECTED LOAD:** 35.48 kVA — 24.81 kVA **TOTAL DEMAND LOAD:**
**TOTAL CONNECTED AMPS:** 98.47 A — 69 A **TOTAL DEMAND AMPS:**

| PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS) | | LOAD CLASSIFICATION | CONNECTED LOAD (VA) | DEMAND FACTOR | ESTIMATE DEMAND (VA) |
|---|---|---|---|---|---|
| | | Mechanical - Motor | 7656 VA | 72.34% | 5538 VA |
| C | CONTACTOR CONTROLLED | Power - Continuous | 720 VA | 100.00% | 720 VA |
| G | GFCI PROTECTED | Other | 0 VA | 0.00% | 0 VA |
| P | HANDLE LOCKING DEVICE | RECEPTACLE | 27100 VA | 68.45% | 18550 VA |
| S | SHUNT TRIP | | | | |
| X | 80% RATED MAIN CIRCUIT BREAKER WITH LSI | | | | |
| Y | 100% RATED MAIN CIRCUIT BREAKER WITH LSI | | | | |
| Z | 100% RATED MAIN CIRCUIT BREAKER WITH LSIG | | | | |
| | FEED THROUGH LUGS (FTL) | | | | |
| | SUB FEED LUGS (SFL) | | | | |

**NOTES:**

## BRANCH PANELBOARD SCHEDULE

**DESIGNATION:** 1DHX **VOLTS:** 480Y/277 V **MAINS RATING:** 100 A
**LOCATION:** ELECT D104B **PHASES:** 3 **MAINS TYPE:** MLO
**MOUNTING:** SURFACE **WIRES:** 4
**SUPPLY FROM:** 1BHX **AIC RATING:** 65,000

| O | CKT NO. | DESCRIPTION | TRIP | P | A | | B | | C | | P | TRIP | DESCRIPTION | CKT NO. | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | EM LIGHTING - EXTERIOR | 20 A | 1 | 0.11 | 0.29 | | | | | 1 | 20 A | EM LIGHTING - RM D201, D211, D212 | 2 | |
| | 3 | EM LIGHTING RM D115 | 20 A | 1 | | | 0.33 | 0.40 | | | 1 | 20 A | EM LIGHTING - RM D05 TO D210 | 4 | |
| | 5 | EM LIGHTING - RM D103 TOT D114 | 20 A | 1 | | | | | 0.73 | 0.99 | 1 | 20 A | EM LIGHTING - GYMNASIUM D102 | 6 | |
| | 7 | EM LIGHTING - RM F100, F101, D116 | 20 A | 1 | 0.23 | 0.99 | | | | | 1 | 20 A | EM LIGHTING - GYMNASIUM D102 | 8 | |
| | 9 | EM LIGHTING - RM D117 TO D121 | 20 A | 1 | | | 0.35 | 0.00 | | | 1 | 20 A | SPARE | 10 | -- |
| | 11 | EM LIGHTING - CORRIDOR D101 | 20 A | 1 | | | | | 0.14 | 0.00 | 1 | 20 A | SPARE | 12 | -- |
| -- | 13 | SPARE | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | SPARE | 14 | -- |
| -- | 15 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | SPARE | 16 | -- |
| -- | 17 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 18 | -- |
| -- | 19 | SPARE | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | SPARE | 20 | -- |
| -- | 21 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | SPARE | 22 | -- |
| -- | 23 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 24 | -- |
| -- | 25 | SPARE | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | SPARE | 26 | -- |
| -- | 27 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | SPARE | 28 | -- |
| -- | 29 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 30 | -- |
| -- | 31 | SPACE | -- | 1 | -- | -- | | | | | 1 | -- | SPACE | 32 | -- |
| -- | 33 | SPACE | -- | 1 | | | -- | -- | | | 1 | -- | SPACE | 34 | -- |
| -- | 35 | SPACE | -- | 1 | | | | | -- | -- | 1 | -- | SPACE | 36 | -- |
| -- | 37 | SPACE | -- | 1 | -- | -- | | | | | 1 | -- | SPACE | 38 | -- |
| -- | 39 | SPACE | -- | 1 | | | -- | -- | | | 1 | -- | SPACE | 40 | -- |
| -- | 41 | SPACE | -- | 1 | | | | | -- | -- | 1 | -- | SPACE | 42 | -- |
| | | **TOTAL....** | | | 1.61 kVA | | 1.08 kVA | | 1.85 kVA | | | | | | |
| | | **TOTAL....** | | | 6 A | | 4 A | | 7 A | | | | | | |

**TOTAL CONNECTED LOAD:** 4539 VA — 5.65 kVA **TOTAL DEMAND LOAD:**
**TOTAL CONNECTED AMPS:** 5 A — 7 A **TOTAL DEMAND AMPS:**

| PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS) | | LOAD CLASSIFICATION | CONNECTED LOAD (VA) | DEMAND FACTOR | ESTIMATE DEMAND (VA) |
|---|---|---|---|---|---|
| | | Lighting - Interior | 4434 VA | 125.00% | 5543 VA |
| C | CONTACTOR CONTROLLED | Lighting - Exterior | 105 VA | 100.00% | 105 VA |
| G | GFCI PROTECTED | | | | |
| P | HANDLE LOCKING DEVICE | | | | |
| S | SHUNT TRIP | | | | |
| X | 80% RATED MAIN CIRCUIT BREAKER WITH LSI | | | | |
| Y | 100% RATED MAIN CIRCUIT BREAKER WITH LSI | | | | |
| Z | 100% RATED MAIN CIRCUIT BREAKER WITH LSIG | | | | |
| | FEED THROUGH LUGS (FTL) | | | | |
| | SUB FEED LUGS (SFL) | | | | |

**NOTES:**

## PANELBOARD ABBREVIATIONS

| | |
|---|---|
| FTL | FEED THROUGH LUGS |
| MCB | MAIN CIRCUIT BREAKER |
| MFS | MAIN FUSED SWITCH |
| MLO | MAIN LUGS ONLY |
| SFL | SUB-FEED LUGS |
| SPD | SURGE PROTECTION DEVICE |

## SWITCHBOARD/PANELBOARD NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.
B VERIFY PANEL / LUG SIZE REQUIRED FOR FEEDERS INDICATED ON ONE-LINE DIAGRAM. MODIFY AS REQUIRED FOR LARGER FEEDERS.
C VERIFY CONDUIT ENTRY LOCATION ON EACH PANEL.
D CONFIRM FINAL ROOM NAMES AND NUMBERS WITH OWNER PRIOR TO CREATING FINAL PANELBOARD DIRECTORIES.
E MODIFY AIC RATINGS INDICATED ON SCHEDULES, AS REQUIRED, PER SPECIFICATION SECTION 260574.99.

## BRANCH PANELBOARD SCHEDULE

**DESIGNATION:** 1DL1 **VOLTS:** 208Y/120 V **MAINS RATING:** 225 A
**LOCATION:** ELECT D104B **PHASES:** 3 **MAINS TYPE:** MLO
**MOUNTING:** SURFACE **WIRES:** 4
**SUPPLY FROM:** 1DPL1-D **AIC RATING:** 22,000

| O | CKT NO. | DESCRIPTION | TRIP | P | A | | B | | C | | P | TRIP | DESCRIPTION | CKT NO. | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | LIGHTING CONTACTOR LC1 | 20 A | 1 | 0.18 | 2.01 | | | | | 2 | 35 A | FCU-1/CU-1 ROOF | 2 | |
| | 3 | FACP - IDF D104C | 20 A | 1 | | | 0.36 | 2.01 | | | | | | 4 | |
| | 5 | RECEPTACLE - IDF D104C | 20 A | 1 | | | | | 0.18 | 0.18 | 1 | 20 A | RECEPTACLE - ROOF | 6 | |
| | 7 | RECEPTACLE - IDF D104C | 20 A | 1 | 0.18 | 0.18 | | | | | 1 | 20 A | RECEPTACLE - ROOF | 8 | |
| | 9 | RECEPTACLE - IDF D104C | 20 A | 1 | | | 0.36 | 0.18 | | | 1 | 20 A | RECEPTACLE - ROOF | 10 | |
| | 11 | RECEPTACLE - IDF D104C | 20 A | 1 | | | | | 0.36 | 0.18 | 1 | 20 A | RECEPTACLE - ROOF | 12 | |
| | 13 | RECEPTACLE - IDF D104C | 20 A | 1 | 0.36 | 0.18 | | | | | 1 | 20 A | RECEPTACLE - ROOF | 14 | |
| | 15 | ACCESS CONTROL - IDF D104C | 20 A | 1 | | | 0.18 | 0.18 | | | 1 | 20 A | RECEPTACLE - ROOF | 16 | |
| | 17 | RECEPTACLE - MINER HUB D121 | 20 A | 1 | | | | | 1.08 | 0.72 | 1 | 20 A | RECEPTACLE - CIRC 104, ELEC D104B | 18 | |
| | 19 | RECEPTACLE - MINER HUB D121 | 20 A | 1 | 0.36 | 0.36 | | | | | 1 | 20 A | RECEPTACLE - OFFICE D104A | 20 | |
| | 21 | RECEPTACLE - MINER HUB D121 | 20 A | 1 | | | 0.36 | 0.54 | | | 1 | 20 A | RECEPTACLE - OFFICE D104A | 22 | |
| | 23 | RECEPTACLE - MINER HUB D121 | 20 A | 1 | | | | | 0.72 | 0.36 | 1 | 20 A | RECEPTACLE - L