ADDENDUM NO. 2

February 2, 2022

Carmel High School Natatorium 520 Est Main Street Carmel, IN, 46032

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 January 10, 2022, by Fanning/Howey Associates, Inc. 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 2-1 through ADD 2-6 Specification Sections 00 31 00 – Indiana Bid Form, 01 21 00 - Allowances, and Pre-Award Meeting Schedules, and attached Fanning/Howey Associates, Inc. Addendum No. 2 Dated February 1, 2022, consisting of 7 pages, Specification Section 31 23 23 – Flowable Fill and Revised Drawing Sheets: GD1.2, SU1.2, SU2.3, S1.05, S1.08, S2.02, S4.06, A1.02, A1.03, A1.04, A1.07, A1.08, A1.15, A5.08, A6.05, A7.13, A7.14, A7S.01, A8.01, A8.02, A8.03, A8.06, A8.07, A8.09, A8.10, A8.11, A8.12, A8.13, A8.14, A8.19, A8.20, A8S.01, A9.03, A9.05, A9.06, A9.07, A9.14, A10.04, A10.10, PL0.0, PL2.0, PL15.0, PLE4.0, M2.03, M2.06, M2.07, M2.09, M2.10, M2.11, M2.12, M3.06, M3.07, M4.01, M5.02, M5.05, ED.05, ED.06, E2.01, E4.01, E4.02, E4.03, E4.04, E4.05, E4.06, E4.07, E4.08, E4.09, E4.11, E4.12, E5.01, E5.02, E5.05, E5.06, E5.07, E5.11, E5.12, E6.01, E6.02, E7.01, E8.01, and E8.03.

A. SPECIFICATION SECTION 00 31 00 – BID FORM

1. Replace:

Specification Section 00 31 00 – Bid Form with the attached revised section.

B. SPECIFICATION SECTION 01 12 00 – MULTIPLE CONTRACT SUMMARY

1. BID CATEGORY NO. 1 GENERAL TRADES

a. Add:

Clarification No. 49:

All guardrail related work is by the General Trades contractor.

Clarification No. 50:

Bid Category No. 1 Contractor is responsible for joint sealant at hollow metal frames installed within masonry openings.

Clarification No. 51:

Regarding Specification Section 07 92 00 – Joint Sealants, all contractors are to provide caulking for their work in accordance with the Contract Documents. In general, the Contractor whose work creates the joint to be caulked (in the normal sequence of work) is to provide the joint sealant.

Clarification No. 52:

Locker Bench wood blocking is by this contractor.

Clarification No. 53:

Temporary Building enclosure by general trades contractor.

Clarification No. 54:

All framing required within display cases by general trades contractor.

Clarification No. 55:

Scoring table concrete within pool space is by general trades contractor.

Clarification No. 56:

All concrete within mechanical room is by general trades contractor including but not limited to the surge tanks, backwash, and deck drain pits.

Clarification No. 57

Pool access will be from the North between a set of columns.

Clarification No. 58

Use the following quantities shall be included in your bid for access doors (19) 2'x2' non fire rated, (4) 16" x 16" non fire rated, (6) 2'x2' fire rated. All to be installed at the construction managers discretion and coordinate with Mechanical/Masonry/Metal Stud and Drywall Contractors.

b. Delete:

Clarification No. 16:

Contractor shall include any sleeves indicated per plans passing through their work.

c. Change:

Clarification No. 48:

All mass excavation to bottom of footings including the pool base slab by the general trades contractor.

2. BID CATEGORY NO. 2 MASONRY

a. Add:

Clarification No. 9:

Regarding Specification Section 07 92 00 – Joint Sealants, all contractors are to provide caulking for their work in accordance with the Contract Documents. In general, the Contractor whose work creates the joint to be caulked (in the normal sequence of work) is to provide the joint sealant.

3. BID CATEGORY NO. 3 STRUCTURAL STEEL

a. Add:

Clarification No. 8:

Structural Steel contractor to reference $09\,96\,00\,3.7\,D$. Steel Substrates for scope of work in regard to this spec section.

Clarification No. 9:

All decking including floor and roof deck shall be factory primed with a high-performance coating as described in 05 31 00.

Clarification No. 10:

Aluminum bleacher seating in 05 50 00 is by the general trades bid contractor.

4. BID CATEGORY NO. 5 METAL STUDS, DRYWALL, ACOUSTICAL

a. Add:

Clarification No. 11:

Regarding Specification Section 07 92 00 - Joint Sealants, all contractors are to provide caulking for their work in accordance with the Contract Documents. In general, the Contractor whose work creates the joint to be caulked (in the normal sequence of work) is to provide the joint sealant.

Clarification No. 12:

Bid Category 5 contractor responsible for 07 21 00 Thermal Insulation Glass Fiber Blanket insulation and Mineral-Wool Blanket insulation.

Clarification No. 13:

Locker Bench wood blocking is by general trades contractor.

Clarification No. 14:

Bid Category 5 Contractor is responsible for all corner trim located in 09 21 16.

Clarification No. 15:

Fiberglass and Mineral Wool as listed in 07 21 00 are contractor options for exterior walls and miscellaneous voids not indicated to be spray foam.

Clarification No. 16:

Acoustical caulk is not required at the head/bottom of wall when the wall is not insulated.

Clarification No. 17:

In reference to blocking wood blocking and the flat strap option listed in 09 21 16 are acceptable if appropriate for wall mounted item.

b. **Delete:**

Specification Section 07 91 00 Preformed Joint Seals Specification Section 09 77 10 Framed Decorative Panel Systems

5. BID CATEGORY NO. 7 PAINTING

a. **Delete:**

Specification Section 09 72 13 – Vinyl Coated Fabric Wall Coverings

6. BID CATEGORY NO. 11 POOL & EQUIPMENT

a. Add:

Clarification No. 5:

All tile work within the existing pool space is by the Bid Category 11 contractor.

Clarification No. 6:

Underwater pool lighting and speakers are by Bid Category 11 contractor.

Clarification No. 7:

Bid Category No. 11 contractor is responsible for all of the grey shaded concrete deck as depicted on S1.04/S1.05 as well as the second concrete pattern shown on the legend for the thickened slab located on the same sheets.

Clarification No. 8:

Bid Category No. 11 Contractor responsible for the concrete for the diving boards.

Clarification No. 9:

Bid Category No. 11 Contractor responsible for underdrain dewatering sitewell.

Clarification No. 10:

Pool access will be from the north with access between a set of columns.

Clarification No. 11:

Pool sequencing will be in the following order Diving Well, Therapy Pool, followed by the 50m Pool.

Clarification No 12:

Sequencing at Diving Well corner will be diving well then, the exterior wall footings.

7. BID CATEGORY NO. 15 ELECTRICAL & TECHNOLOGY

a. Add:

Clarification No. 16:

Electrical Contractor is responsible for all in wall rough-ins shown on the temperature control drawings.

Clarification No. 17:

Access Control serving the existing Natatorium Unit G as well as Door 21 entrance is located in G106B.

Clarification No. 18:

Electrical Contractor is to use the E series construction documents for circuiting within the PL documents.

Clarification No. 19:

Underwater pool lighting and underwater speakers are by the Bid Category 11 Pool & Equipment contractor.

C. SPECIFICATION SECTION 01 21 00 - ALLOWANCES

1. **Replace:**

Specification Section 01 21 00- Allowances

D. <u>SPECIFICATION SECTION 01 32 00 – SCHEDULES</u>

1. Insert:

Site Phasing Plan Site Logistics Plan

CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96

| Format (Revised 2 | 2013) |
|-------------------|-------|
| (Amended for _ |) |

(Project Name)

(Governmental Unit/Owner) (County)

PART I

(To be completed for all bids. Please type or print)

| | Date (month, day, year): |
|--|--|
| BIDDER (Firm) | |
| Address | P.O. Box |
| City/State/Zip | |
| Telephone Number: | Email Address: |
| Person to contact regarding this Bi | d |
| complete the public works project | |
| Inse | ert Category No. (s) and Name(s) |
| Of public works project, <i>Project N Architect Name</i> , <i>Architect Addres</i> | <i>Tame</i> , in accordance with Plans and Specifications prepared by s, as follows: |
| BASE BID | |
| For the sum of | |
| (Sum in v | words) |
| | DOLLARS (\$) |
| | (Sum in figures) |

| The undersigned acknowledg Receipt of Addenda No. (s) | = | owing Addenda: | |
|--|--|--|---------------------------------|
| PROPOSAL TIME | | | |
| Bidder agrees that this Bid sidays from the due date, and B within said sixty (60) consecu | ids may be accepted | or rejected during this pe | eriod. Bids not accepted |
| Attended pre-bid conference | YES | NO | |
| Has visited the jobsite | YES | NO | |
| The Bidder has reviewed the Of the schedule can be met. | | in Section 01 32 00 and NO | the intent |
| Bidder has included their Wr will perform work on the pub 13-18-5 or IC 4-13-18-6. | olic work project and | l meets or exceeds the re | |
| The Skillman Corporation's measure the active participal Disabled Individual-Owned provided full and equal opportunity | tion of Minority- Ow Businesses. The Pro | vned, Women-Owned, V gram is to ensure that M | Veteran – Owned and IWVDBEs are |
| Bidder has included: | DBE: YES MBE: YES WBE: YES VBE: YES | _% NO _% NO | |
| The undersigned further agre | es to furnish a bond | or certified check with | this Bid for an amount |

The undersigned further agrees to furnish a bond or certified check with this Bid for an amount specified in the Notice to Bidders. If Alternate Bids apply, submit a proposal for each in accordance with the Plans and Specifications.

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the governmental unit. If the bid is to be awarded on a unit bases, the itemization of the units shall be shown on a separate attachment.

The contractor and his subcontractors, if any, shall not discriminate against or intimidate any employee, or applicant for employment, to be employed in the performance of this contract, with respect to any matter directly or indirectly related to employment because of race, religion, color, sex, national origin or ancestry. Breach of this covenant may be regarded as a material breach of the contract.

CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS (if applicable)

I, the undersigned bidder, or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

ALTERNATE BIDS

A blank entry or an entry of "No Bid", "N/A", or similar entry on any Alternate will cause the bid to be rejected as non-responsive only if that Alternate is selected. If no change in the bid amount is required, indicate "No Change".

**MARK "ADD" OR "DEDUCT" FOR EACH ALTERNATE **

<u>Alternate Bid No. 1 — Provide alternative Regenerative DE Filter System for all pools in lieu of specified system.</u> System must be by a single manufacturer. Refer to Specification Section 13

| 15 00 for additional information on system identified in Section 13 15 00. | requirements. Base Bid must | include prod | ducts as |
|---|--|-----------------|---------------|
| Change the Base Bid the sum of | | | |
| (sum in words) | | | ADD |
| | DOLLARS (\$ |) | ADD DEDUCT |
| | (sum ir | n figures) | |
| System Manufacturer | | | |
| Alternate Bid No. 2 — Provide alternative of Feed System, in lieu of specified system. S Specification Section 13 15 00 for additional must include products as identified in Section 13 15 00 for additional must include products as identified in Section 13 15 00 for additional must include products as identified in Section 15 of the products as identified in Section 15 of | System must be by a single ma al information on system requ | anufacturer. | Refer to |
| Change the Base Bid the sum of | | | |
| (sum in words) | | | |
| | DOLLARS (\$ |) n figures) | ADD DEDUCT |
| | (sum n | 1 1150103) | |

System Manufacturer _____

<u>Alternate Bid No. 3 —</u> Provide alternative Fiberglass Bulkhead Assembly in lieu of specified system. Bulkhead must be by a single manufacturer. Refer to Specification Section 13 15 00 for additional information on bulkhead requirements. Base Bid must include products identified in Section 13 15 00.

| Change the Base Bid the sum of | | | |
|--|-----------------------|------------------|--------------|
| (sum in words) | | | |
| | | | ADD |
| | DOLLARS (\$(sum |) | DEDUCT |
| | (sum | in figures) | |
| | | | |
| Bulkhead Manufacturer | | | |
| | | | |
| | | | |
| Alternate Bid No. 4 – Provide alternative Ultra | | | |
| System must be by a single manufacturer. Refe | • | | |
| information on system requirements. Base Bid i | must include products | identified in Se | ection 13 15 |
| 00. | | | |
| Change the Base Bid the sum of | | | |
| (sum in words) | | | |
| (Sum in words) | | | ADD |
| | DOLLARS (\$ |) | DEDUCT |
| | DOLLARS (\$ (sum | in figures) | |
| | ` | , | |
| System Manufacturer | | | |
| | | | |
| | | | |
| Alternate Bid No. 5 – Provide alternative Chem | | _ | • |
| System must be by a single manufacturer. Refe | - | | |
| information on systems requirements. Base Bid 15 00. | must include products | as identified i | n Section 13 |
| 13 00. | | | |
| Change the Base Bid the sum of | | | |
| (sum in words) | | | |
| (Sum in Words) | | | ADD |
| | DOLLARS (\$ |) | DEDUCT |
| | (sum | in figures) | |
| | Ça u | υ, | |
| System Manufacturer | | | |

PART II

(For projects of \$150,000 or more – IC 36-1-12-4)

These statements to be submitted under oath by each bidder with and as a part of his bid. (Attach additional pages for each section as needed.)

SECTION I EXPERIENCE QUESTIONNAIRE

| 1. | What public works projects has your organization completed for the period of one (1) |
|----|--|
| | year prior to the date of the current bid? |

| Contract Amount | Class of Work | Completion Date | Name and Address of Owner |
|-----------------|---------------|--------------------|---------------------------|
| | | | |
| | | | |
| | | | |

| 2. | What public works | s projects ar | e now in proces | s of construction | by your | organization? |
|----|-------------------|---------------|-----------------|-------------------|---------|---------------|
| | | | | | | 0-0 |

| Contract Amount | Class of Work | Completion Date | Name and Address of Owner |
|-----------------|---------------|--------------------|---------------------------|
| | | | |
| | | | |
| | | | |

| 3. | Have you ever failed to complete any work awarded to you?why? | _If so, where and |
|----|---|-------------------|
| | | |
| 4. | List references from private firms for which you have performed work. | |
| | | |

SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE

| 1. | Explain your plan or layout for performing proposed Work. (Examples could include a narrative of when you could begin, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.) |
|----|---|
| | |
| 2. | Please list the names and addresses of all subcontractors (i.e. persons or firms outside your own firm who have performed part of the work) that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor. |
| | |
| 3. | If you intend to sublet any portion of the work, state the name and addresses of each subcontractor, equipment to be used by the subcontractor, and whether you will required a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project. |
| | |
| | |

| 4. | What equipment do you have available to use for the proposed Project? Any equipment used by subcontractors may also be required to be listed by the governmental unit. |
|----|---|
| | |
| | |
| 5. | Have you into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which corroborate the process listed. |
| | |
| | |
| | |

SECTION III CONTRACTOR'S FINANCIAL STATEMENT

Attachment of Bidder's financial statement is mandatory. Any Bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the Contract must be specific enough in detail so that said governing body can make a proper determination of the Bidder's capability for completing the Project if awarded.

SECTION IV CONTRACTOR NON-COLLUSION AFFIDAVIT

The undersigned Bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this Bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporations has, have, or will receive directly or indirectly, any rebate, fee, gift, commission, or thing of value on account of such contract.

SECTION V OATH AND AFFIRMATION

I HEREBY AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE FACTS AND INFORMATION CONTAINED IN THE FOREGOING BID FOR PUBLIC WORKS ARE TRUE AND CORRECT

| Dated at | this | day of | , 20 | |
|--------------------------|-----------------------|---------------|----------------------------|-----|
| | | | | |
| | | | (Name of Organization | on) |
| | Ву | | | |
| | | | | |
| | | | (Title of Person Signi | ng) |
| | ACKNO | WLEDGEME | ENT | |
| STATE OF |) | | | |
| COUNTY OF | | | | |
| Before me, a Notary Pub | lic, personally appea | ared the abov | e-named | |
| Swore that the statement | s contained in the fo | regoing docu | ment are true and correct. | |
| Subscribed and sworn to | before me this | c | lay of | , |
| (Title) | | | | |
| | Notary Public | | | |
| My Commission Expires | : <u> </u> | | | |
| County of Residence: | | | | |

END OF SECTION 00 31 00

SECTION 01 21 00 – ALLOWANCES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

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

1.02 REQUIREMENTS INCLUDED

- A. The Specifications contain Allowances for particular items, methods of construction, quantities of materials, labor for certain items and these stated Allowances shall be included in the total lump sum bid price.
 - 1. Should the final amounts as determined from actual costs vary from these stated Allowances, the Contract price will be adjusted by Change Order as stated in the Conditions of the Contract.
 - 2. Under no circumstances shall work exceeding the stated Allowance amounts, proceed without a properly executed Change Order.
- B. A "Schedule of Allowances" showing amounts included in each prime Contract Sum, is included at the end of this Section.
- C. <u>Product/Materials Allowance</u>: At the earliest feasible date after award of Contract, advise the Architect and Construction Manager of scheduled date when final selection and purchase of each product or system described by each Allowance must be accomplished in order to avoid delays in performance of the Work.
 - 1. As requested by the Architect, obtain and submit proposals for the work of each Allowance for use in making final selection; include recommendations for selection which are relevant to the proper performance of the Work.
 - 2. Purchase products and systems as specifically selected (in writing) by the Architect.
 - 3. Submit proposals and recommendations, for purchase of products or systems of Allowances, in form specified for Change Orders.
 - 4. When requested, submit a substantiated survey of quantities of materials, as shown in the "Schedule of Values", revised where necessary, and corresponding with Change Order quantities.
 - 5. Amount of Allowance includes:
 - a. Net cost of product
 - b. Delivery to the site
 - c. Applicable taxes
 - 6. In addition to amount of Allowance, include in Bid, for inclusion in Contract Sum, Contractor's costs for:
 - a. Handling at site, including unloading, uncrating and storage
 - b. Protection from elements, from damage
 - c. Labor, installation and finishing

- d. Other expenses (e.g., testing, adjusting and balancing) required to complete installation
- e. Overhead and profit
- D. Contingency Allowance: Contingency allowance shall be used only as directed for Owner's purposes. Proposal shall be submitted by Contractor for work requested in format similar to that required for Change Orders. Compensation to the Contractor for work requested utilizing this Allowance shall be for only Contractor's costs as defined by Paragraph 7.3.7 of the General Conditions, except no compensation shall be allowed for overhead and profit. At time of Project closeout, unused amounts remaining in contingency allowance shall be credited to Owner by Change Order.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.01 PRODUCT ALLOWANCE

| A. | BC01 General Trades – Interior Signage | \$15,000 |
|----|---|-----------|
| B. | BC01 General Trades – Dedication Plaque | \$3,000 |
| C. | BC 04 Roofing 07 54 00 Materials Only | \$800,000 |
| D. | BC15 Electrical/Technology – | |
| | L7-(Lightruss) | \$375,000 |
| | LBP 1 Light Bollards | \$17,000 |
| | LC 432 Z& LC 648 (Navato 2x2 Arcs) | \$17,000 |
| | LP1 (Pavo 4" x 4' Pendant) | \$46,000 |
| | LS1 &LS2 (Site Lighting) | \$103,000 |

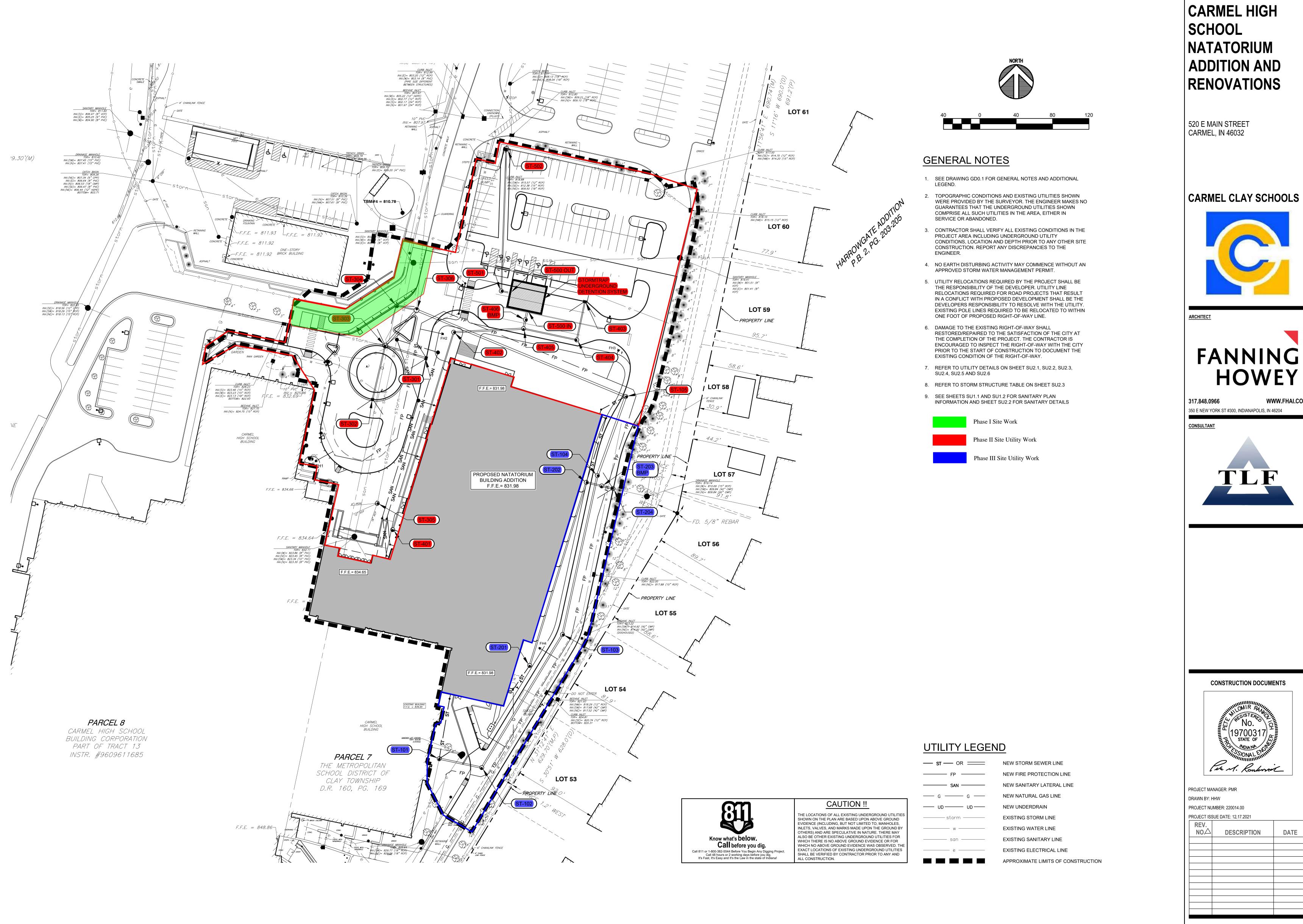
See Contingency Allowances next page

3.02 CONTINGENCY ALLOWANCES

Allow a lump sum additional work required but not indicated on Drawings or reasonably anticipated.

| A. Bid Category No. 1 – General Trades | \$150,000 |
|---|-----------|
| B. Bid Category No. 2 – Masonry | \$65,000 |
| C. Bid Category No. 3 – Steel | \$50,000 |
| D. Bid Category No. 4 – Roofing | \$100,000 |
| E. Bid Category No. 5 – Metal Studs, Drywall & Acoustical | \$50,000 |
| F. Bid Category No. 6 – Aluminum Glass & Glazing | \$30,000 |
| G. Bid Category No. 7 – Painting | \$30,000 |
| H. Bid Category No. 8 – Flooring | \$30,000 |
| I. Bid Category No. 9 – Terrazzo | \$20,000 |
| J. Bid Category No. 10 – Bleachers/Seating | \$10,000 |
| K. Bid Category No. 11 – Pool | \$50,000 |
| L. Bid Category No. 12 – Fire Protection | \$25,000 |
| M. Bid Category No. 13 – Plumbing | \$30,000 |
| N. Bid Category No. 14 – HVAC | \$30,000 |
| O. Bid Category No. 15 – Electrical/Technology | \$100,000 |

END OF SECTION 01 21 00



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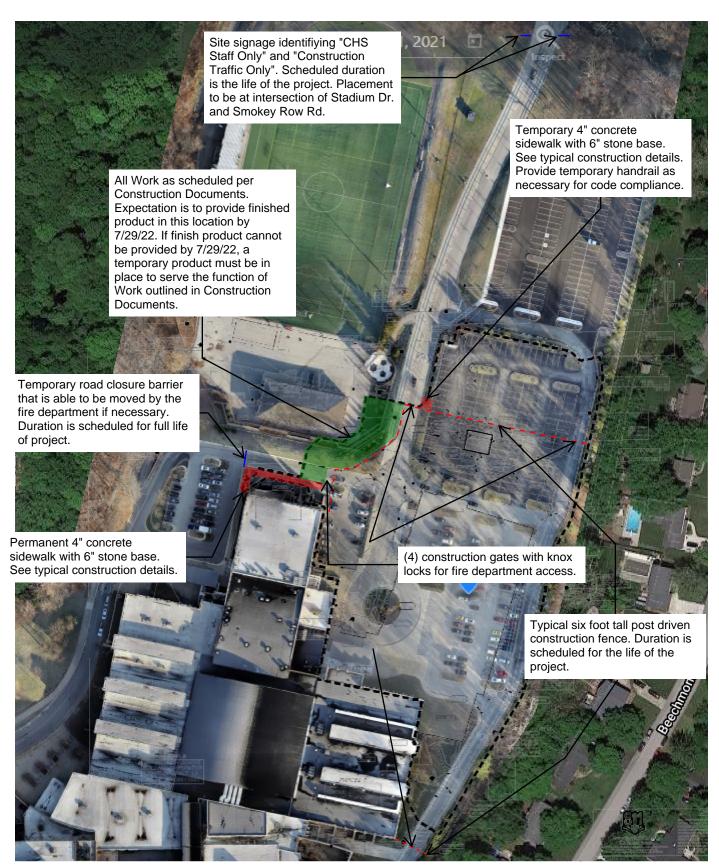
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Site Utility Phasing Plan

Pg. 2/2



Summer 2022 Site Plan

Mandatory Finish of All Work: July 29, 2022



CHS Staff and Student Access Plan

Mandatory Access for All Routes: July 29, 2022



Temporary Egress Lighting
Weather tight partition with 2 sets of double doors at building side





Site Utility Phasing Plan Pg. 1/2

PRE-AWARD INTERVIEWS

Project: Carmel High School Natatorium

Event Date February 15, 2022

| Bid Category | 9:00 - 10:00 AM | 10:00- 11:00 AM | 12:00- 1:00 PM | 1:00- 2:00 PM | 2:00- 3:00 PM | Contractor |
|---|-----------------------|-----------------------|-------------------|------------------|------------------|------------|
| BC01 – General Trades | X | | | | | |
| BC02 - Masonry | | × | | | | |
| BC03 – Structural Steel | | | × | | | |
| BC04 - Roofing | | | | × | | |
| BC05 – Metal Studs, Drywall & Acoustical | | | | | × | |
| | | | | | | |
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PRE-AWARD INTERVIEWS

Project: Carmel High School Natatorium

Event Date February 16, 2022

| Bid Category | 9:00 - 10:00 AM | 10:00- 11:00 AM | 12:00- 1:00 PM | 1:00- 2:00 PM | 2:00- 3:00 PM | Contractor |
|------------------------------------|-----------------------|-----------------------|-------------------|------------------|------------------|------------|
| 3C06 – Aluminum Glass & Glazing | × | | | | | |
| 3C07 - Painting | | X | | | | |
| 3C08 – Flooring | | | × | | | |
| 3C09 - Terrazzo | | | | × | | |
| BC10 – Bleachers & Seating | | | | | × | |
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PRE-AWARD INTERVIEWS

Project: Carmel High School Natatorium

Event Date February 17, 2022

| Bid Category | 9:00 - 10:00 AM | 10:00- 11:00 AM | 12:00- 1:00 PM | 1:00- 2:00 PM | 2:00- 3:00 PM | Contractor |
|---------------------------------|-----------------------|-----------------------|-------------------|------------------|------------------|------------|
| BC11 – Pool | X | | | | | |
| BC12 – Fire Protection | | × | | | | |
| BC13 – Plumbing | | | × | | | |
| BC14 - HVAC | | | | X | | |
| BC15 – Electrical/Technology | | | | | × | |
| | | | | | | |
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ADDENDUM NO.2

Carmel High School Natatorium Additions and Renovations

Project No. 220014.00

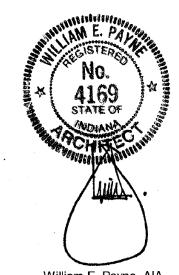
Carmel Clay Schools Carmel, Indiana

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Addendum No. 2, 26 items, 7 pages
Revised Project Manual Sections: 31 23 23 – Flowable Fill
Revised Drawing Sheets: GD1.2, SU1.2, SU2.3, S1.05, S1.08, S2.02, S4.06, A1.02, A1.03, A1.04, A1.07, A1.08, A1.15, A5.08, A6.05, A7.13, A7.14, A7S.01, A8.01, A8.02, A8.03, A8.06, A8.07, A8.09, A8.10, A8.11, A8.12, A8.13, A8.14, A8.19, A8.20, A8S.01, A9.03, A9.05, A9.06, A9.07, A9.14, A10.04, A10.10, PL0.0, PL2.0, PL15.0, PLE4.0, M2.03, M2.06, M2.07, M2.09, M2.10, M2.11, M2.12, M3.06, M3.07, M4.01, M5.02, M5.05, ED.05, ED.06, E2.01, E4.01, E4.02, E4.03, E4.04, E4.05, E4.06, E4.07, E4.08, E4.09, E4.11, E4.12, E5.01, E5.02, E5.05, E5.06, E5.07, E5.11, E5.12, E6.01, E6.02, E7.01, E8.01, and E8.03

Date: February 1, 2022

FANNING/HOWEY ASSOCIATES, INC. ARCHITECTS/ENGINEERS/CONSULTANTS



William E. Payne, AIA Indiana Registration No. 4169

TO: ALL BIDDERS OF RECORD

ADDENDUM NO. 2 to Drawings and Project Manual, dated January 10, 2022 for Carmel High School Natatorium Addition and Renovations for Carmel Clay Schools, 5201 East Main Street, Carmel, Indiana 46033; as prepared by Fanning/Howey Associates, Inc., Indianapolis, Indiana.

This Addendum shall hereby be and become a part of the Contract Documents the same as if originally bound thereto.

The following clarifications, amendments, additions, revisions, changes, and modifications change the original Contract Documents only in the amount and to the extent hereinafter specified in this Addendum.

Each bidder shall acknowledge receipt of this Addendum in his proposal or bid.

NOTE: Bidders are responsible for becoming familiar with every item of this Addendum. (This includes miscellaneous items at the very end of this Addendum.)

RE: ALL BIDDERS

ITEM NO. 1. REVISED PROJECT MANUAL SECTION

A. Section 31 23 23 – Flowable Fill has been revised, dated 2/1/22, and are included with and hereby made a part of this Addendum.

ITEM NO. 2. PROJECT MANUAL, SECTION 03 30 00 - CAST-IN-PLACE CONCRETE

A. Delete 3.13, D., 3., in its entirety.

ITEM NO. 3. PROJECT MANUAL, SECTION 04 20 00 - UNIT MASONRY

- A. Add 1.2, A., 11., as follows:
 - "11. Pre-Faced Concrete Masonry Unit (Glazed CMU)."
- B. Add 2.4 C., as follows:
 - "C. Pre-faced Concrete Masonry Units (Glazed CMU): Lightweight hollow concrete units complying with ASTM C 90, with manufacturer's standard smooth resinous facing complying with ASTM C 744.
 - 1. Unit Compressive Strength: Provide units with minimum average net-area compressive strength of 1900 psi.
 - 2. Size: Manufactured to dimensions to match concrete masonry units, but with pre-faced surfaces having 1/16 inch wide returns of facing to create 1/4 inch wide mortar joints with modular coursing.
 - 3. Colors and Patterns: Match existing.
 - 4. Product: Astra-Glaze by Echelon or similar.
- C. Replace 2.6, B., 7., d., as follows:
 - "d. Brick Type 4: Quad, 8 inch by 8 inch.
 - 1) Color: Belden Brick Company, Belcrest Simulated 560 Flat Set.
- D. Article 2.6, B., 7., e,: Delete "Color B" between "Type 4A" and "Quad" in description.

- E. Replace 2.6, B., 7., e., 1) as follows:
 - "1) Color: Belden Brick Company, Belcrest Simulated 560 Flat Set.

ITEM NO. 4. PROJECT MANUAL, SECTION 05 12 00 - STRUCTURAL STEEL FRAMING

- A. Add 2.8, C., 3., 3), as follows:
 - "3) Within pool environment, galvanized components including exposed lintels, lintel plates and other exposed items indicated to be galvanized."

ITEM NO. 5. PROJECT MANUAL, SECTION 05 73 00 - DECORATIVE METAL RAILINGS

- A. Replace 2.4., C., 2., as follows:
 - "2. Where required by loading and performance requirements, provide thicker walled pipe or tubing as required by delegated design for vertical and horizontal members."
- B. Article 2.7, O.: Change "3/4 inch" at beginning of paragraph to "1 inch 3/4 inch".

ITEM NO. 6. PROJECT MANUAL. SECTION 07 01 50.19 - PREPARATION FOR RE-ROOFING

- A. Replace 3.5, A., as follows:
 - "A. Where removal of existing roof assembly will leave the existing facility exposed to weather penetration before new roofing material is installed, provide approved temporary roofing membrane over exposed areas."

ITEM NO. 7. PROJECT MANUAL, SECTION 08 14 16 - FLUSH WOOD DOORS

- A. Delete 2.3, B., in its entirety.
- B. Delete 2.7, D., in its entirety.

ITEM NO. 8. PROJECT MANUAL, SECTION 08 31 13 - ACCESS DOORS AND FRAMES

- A. Add 2.1, C., 9., as follows:
 - "9. Stainless-Steel Sheet for Door: Nominal 0.062 inch, (fka 16 gauge).
 - a. Finish: No. 4.
 - b. Location: Pool/Natatorium and Pool Equipment Rooms.
 - c. Hardware: Lock
- B. Add 2.1, E., 2., as follows:
 - "2. Lock: Cylinder at access door in pool/natatorium and pool equipment rooms."
- C. Add 2.2, E., 1., as follows:
 - "1. Provide stainless steel fasteners for stainless steel access doors located in pool/natatorium environment."

- D. Add 2.2, F., as follows:
 - "F. Stainless-Steel Sheet, Strip, Plate, and Flat Bars: ASTM A 666, Type 316. Remove tool and die marks and stretch lines or blend into finish."
- E. Add 2.4, E., as follows:
 - "E. Stainless-Steel Finishes:
 - 1. Surface Preparation: Remove tool and die marks and stretch lines, or blend into finish.
 - 2. Polished Finishes: Grind and polis surfaces to produce uniform finish, free of cross scratches.
 - a. Run grain of directional finishes with long dimensions of each piece.
 - b. When polishing is completed, passivate and rinse surfaces. Remove embedded foreign matter and leave surfaces chemically clean.
 - c. Directional Stain Finish: No. 4."

ITEM NO. 9. PROJECT MANUAL, SECTION 08 71 00 - DOOR HARDWARE

A. Article 3.8 – Door Hardware Sets, Set 43.0: Add <u>"(8)"</u> after "Display Case Doors".

ITEM NO. 10. PROJECT MANUAL, SECTION 09 21 16 - GYPSUM BOARD ASSEMBLIES

- A. Delete 2.2, C., 1., a., in its entirety.
- B. Add 3.6, A., 1., as follows:
 - "1. Where sound attenuation blankets are indicated on the wall types and where similar walls extend to deck above, comply with remaining paragraphs of this Article and other locations where STC-Rated assemblies or specifically indicated."

ITEM NO. 11. PROJECT MANUAL, SECTION 09 51 13 - ACOUSTICAL PANEL CEILINGS

- A. Replace 3.5, E., 2., e., as follows:
 - "e. Gypsum Board Cloud Assembly: Gypsum board faced cloud assembly either traditionally suspended and framed per Division 09 Section "Gypsum Board Assemblies or ceiling suspension system framing assembly similar to "Formations Cloud Kit for Drywall" by Armstrong. Provide suspension components, trim kit, and perimeter trim ready to accept gypsum board installation. Provide supplemental framing required to span between structural steel framing above. Provide fire treated wood blocking within assembly at suspension points of accent canopies. Coordinate blocking and support requirements for accent canopies as required."

ITEM NO. 12. PROJECT MANUAL, SECTION 13 15 00 - CARMEL HIGH SCHOOL COMPETITION SWIMMING POOL, THERAPY POOL, DIVING POOL, WARM WATER POOL AND EQUIPMENT

- A. Add 2.28, B. 1., and 2., as follows:
 - 1. Furnish and Install TM Series submersible pump. Model No. TM17500TM Hi Volume submersible pump with custom 50' pigtail with twist lock connection provided by Division 26 contractor into Room G020, 2HP, (4) 50' section of white 3" double jacket fire hose outlets, double seal, oil free design, 17500 GPH, 208 Volt single phase motor and motor. Provide 200' of 3" hose with 3" hose adapter.

- 2. Furnish (1) stainless steel portable Honda 1HP trash pump to remove water from the underdrain with 20' of pigtail and 20' of chain with 30' of 1 ½" firehose and 1 ½" pump adapter.
- B. Change 2.29, F., to read as follows:
 - "F. Electrical Controls shall be Furnished and installed with (3) Three NEMA 4X FRP control panels with disconnects.
- C. Change 2.39, C., 1., to read:
 - "1. Accutab Feeders shall be:
 - a. (2) Competition Pool: Model 3150AT
 - b. Training Pool: Model 3070
 - c Warm Water Pool: Model 3070
 - d. Diving Pool: Model 3070"
- D. Article 2.59, A., Change last sentence of paragraph to read as follows:

"Electrical contractor and speaker conduit installer shall weld all conduit, test all electrical conduits to each light and speaker and show the construction manager before and after the deck is poured the conduit holds pressure."

- E. Add 2.59, A., 3., as follows:
 - "3. All underwater Competition Pool lights shall be recessed 1" with all tile finish and transitions so lights do not protrude from Competition Pool walls."

ITEM NO. 13. PROJECT MANUAL, SECTION 13 15 60 – AQUATIC TIMING SYSTEMS AND DISPLAY SYSTEMS

- A. Change 1.02, F., 2., to read as follows:
 - "2. Lap Tops as described in Section 2.01F and software provided by owner."
- B. Add 2.02, J., as follows:
 - "J. (6) TDPI-S2, GEN7 Titanium Start Deck Plate, (1) TDPI-BH3, GEN7 Titanium Bulkhead Deck Plate (in deck) and (2) TDPI-BH4, GEN7 Titanium Bulkhead Deck Plate (in bulkheads)
- C. Change: Section 2.03, B., to read:
 - 1. D1 Serial Timer Connection (WPI-T1) quantity to be 5
 - 2. D3 Delete WPI-L
 - 3. B5 Fiber Connection (WPI-F4) quantity to be 4

Note: Items 4, 5, and 6, remain unchanged.

- D. Article 2.07, I.: Change "(6) to "(25)" within sentence.
- E. Add Article 2.10 as follows:
 - 2.10 JUDGES DIVING SCORING SYSTEM
 - A. Diving Scoring System shall utilize scoreboard to display diving scores and results without modification from swimming configuration.

- B. Diving Scoring System Software shall support standard and synchronized scoring.
 - Accept five judges' input scores and compute award based upon proper formulas for five judges. Software shall be operable with either remote judges' terminals or manual input of flash card scores.
 - 2. System must be expandable to use up to eleven judges scoring terminals. Permit display of the lead diver number, current diver number, dive number, degree of difficulty, judges' scores and diver's calculated award and total score. Permit entry of all diving data into non-volatile memory for storage or receive data from meet management computer without additional modifications. Data shall include diver number, round number, dive number, and position. Degree of difficulty shall be automatically calculated based upon dive number per current FINA/USD/NCAA/High School regulations. Dive degree of difficulty can also be manually input.
 - 3. Automatically recall the diver with round number, dive number and DD using minimal keystrokes. Systems which require live entry of dive information are unacceptable. Permit storage of diver's point totals and provide ranking of the divers at the end of each round. Permit editing of judges' scores if required by meet officials. Provide an output for computer data handling of diving events. Permit two point deduction from the judges' scores and zero points for a failed dive. Such changes shall be clearly shown on the printout. Printout shall provide preliminary data, diver ranking by rounds, and results of individual dives with judges' scores. Judges' terminals shall be housed in sealed, water-resistant, shockproof housing. The terminals shall provide a signal to inform the judge that the diving console has requested a score. Signal shall cease when an appropriate score is transmitted. They shall also allow each judge to input a score with a minimum of keystrokes, review that score via a built-in LCD display, and correct a score if needed before transmitting to the Judging Software.
 - 4. The Software shall provide a switchable mode for sending data to the scoreboard display. Mode- Automatic- In this mode the software must send the judges scoring information to the display with no software operator interaction. Mode- Hold for Authorization In this mode the software must receive authorization from a referee terminal or an assistant referee terminal prior to sending the scoring data to the display.
- C. Remote judging terminal and interface shall be as follows:
 - 1. Interface hub shall plug into the PC via USB 2.0 or greater
 - Judges terminals shall include a quick release mating connector for connection to the Diving Cable Breakout Box.
 - Judges' terminals shall include rugged communications cable to connect to the diving interface box. Cable should be removable for easy cost effective replacement of the cable.
 - 4. Judges' terminals shall utilize sealed keyboards with a 128x64 Pixel Backlit LCD display suitable for indoor and sunlight readability.
 - 5. Judges terminal LCD must be capable of displaying Divers Name.
 - 6. Judges terminal LCD must be capable of displaying Divers Team or Country Name.
 - 7. Judges terminal LCD must be capable of displaying scores of other judges once the scores have been accepted.
 - 8. Judges terminal LCD must be capable of displaying Dive and Dive Degree of Difficulty
 - 9. Judges terminal LCD must be capable of displaying the Terminal Number so they can be easily identified to the judge
 - 10. Judges terminals shall include a request change button to notify the software that the judges input is requesting permission to correct the submitted score.
 - 11. Judges terminals must be able to be assigned as a Referee's terminal or Assistant Referee's terminal allowing the device to control when the judging data is transmitted to the scoreboard display.
 - Provide five Judging Terminals (JT-01) with associated cables. Provide one interface hub box (IH-01) with associated cables. Provide one cable breakout box (CB-01) with associated cables

ITEM NO. 14. PROJECT MANUAL, SECTION 23 31 13 - METAL DUCTS

- A. Revise 3.1, B., to read as follows:
 - "B. All ducts shall be galvanized steel except as follows:
 - 1. Acid-Resistant (Fume-Handling) Ducts: PVC-coated galvanized steel with thicker coating on duct interior.
 - Locker room exhaust ducts:
 - a. Heavy gauge aluminum or stainless steel.
 - 3. Natatorium (pool) supply, return and exhaust ducts.
 - a. Heavy gauge aluminum or stainless steel."

ITEM NO. 15. PROJECT MANUAL, SECTION 26 24 13 - SWITCHBOARDS

A. Delete in its entirety.

ITEM NO. 16. ACCEPTABLE MANUFACTURERS

The following manufacturers are to be considered acceptable manufacturers (suppliers and fabricators) for the Sections of the Specifications listed. Listed manufacturers are required to bid on products equal in type and design, size, function, and quality to that originally specified. Final decision as to equality of products specified versus those proposed shall be made by the Architect.

Section 23 73 15 - Pool Dehumidification Units

- -Dectron
- -Seresco

ITEM NO. 17. REVISED DRAWING SHEETS

A. Drawing Sheets: GD1.2, SU1.2, SU2.3, S1.05, S1.08, S2.02, S4.06, A1.02, A1.03, A1.04, A1.07, A1.08, A1.15, A5.08, A6.05, A7.13, A7.14, A7S.01, A8.01, A8.02, A8.03, A8.06, A8.07, A8.09, A8.10, A8.11, A8.12, A8.13, A8.14, A8.19, A8.20, A8S.01, A9.03, A9.05, A9.06, A9.07, A9.14, A10.04, A10.10, PL0.0, PL2.0, PL15.0, PLE4.0, M2.03, M2.06, M2.07, M2.09, M2.10, M2.11, M2.12, M3.06, M3.07, M4.01, M5.02, M5.05, ED.05, ED.06, E2.01, E4.01, E4.02, E4.03, E4.04, E4.05, E4.06, E4.07, E4.08, E4.09, E4.11, E4.12, E5.01, E5.02, E5.05, E5.06, E5.07, E5.11, E5.12, E6.01, E6.02, E7.01, E8.01, and E8.03 have been revised, dated 2/1/22 and are included with and hereby made a part of this Addendum. These Drawings supersede the original documents.

ITEM NO. 18. DRAWING SHEET ABBREVIATIONS AND INDEX (VOLUME A)

A. Remove sheet "SU1.4 UTILITY PLAN – EXISTING POOL DRAIN" from the sheet index.

ITEM NO. 19. DRAWING SHEET ABBREVIATIONS AND INDEX (VOLUME B)

A. Remove sheet "SU1.4 UTILITY PLAN – EXISTING POOL DRAIN" from the sheet index.

ITEM NO. 20. DRAWING SHEET NO. SU1.4

A. Delete this Drawing Sheet in its entirety.

ITEM NO. 21. DRAWING SHEET NO. A1.00

A. Add new wall type "W28" as follows:

"W28": (2) layers of 5/8" gypsum wallboard (corridor side) on 3 5/8" metal studs at 1'-4" O.C. with (1) layer 5/8" gwb (interior side). Provide recessed base, as scheduled, refer to 9-A1.16 for additional base and trim information.

ITEM NO. 22. DRAWING SHEET NO. A6S.01

A. On the Door and Frame Schedule, change the frame elevation at N043B to read "A16A".

ITEM NO. 23. DRAWING SHEET NO. A10.02

A. On section 7-A10.02, add the following elevation tag: "B./ Hoist beam @ 113'-6 3/8"± (field verify)".

ITEM NO. 24. DRAWING SHEET NO. A10.11

- A. Detail No. 1, change 20'-11 5/8" dimension to 18'-5".
- B. Detail No. 5, change 20'-11 5/8" dimension to <u>18'-5".</u>

ITEM NO. 25. DRAWING SHEET NO. PL1.1

A. Detail 2: Inspection Sump located in southeast corner of pool deck shall be raised to bottom of footing elevation (adjust 18 foot depth as required) and be located as close to foundation/footing perimeter as possible."

ITEM NO. 26. DRAWING SHEET NO. M2.07 and M4.01

- A. Revise keynote V17 to read as follows:
 - "V17 TRANSITION TO FABRIC DUCTWORK AT THIS APPROXIMATE LOCATION. FABRIC DUCTWORK TO BE MOUNTED IN A FASHION WHERE DUCTWORK DOES NOT TOUCH STEEL OR ANY OTHER BUILDING COMPONENT WHILE INFLATED OR DEFLATED. INSTALL FABRIC DUCTWORK WITH A 2-ROW U-TRACK SUSPENSION SYSTEM. COORDINATE EXACT LOCATION WITH ALL OTHER TRADES. CUSTOM COLOR TO BE SELECTED BY THE ARCHITECT/ENGINEER. REFER TO DTAILS AND SPECIFICATIONS."

END OF ADDENDUM

SECTION 31 2323 – FLOWABLE FILL

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK

A. Provide flowable fill as shown and indicated on the drawings below bottom of footing elevations to stable subgrade elevations as determined by the on-site soils representative. See drawings for estimated/bid elevation for this work. Because of the time required for "setting up", this material should be left open for approximately twelve hours prior to forming of the footings. Shoring for excavations and trenches shall meet the requirements of the latest edition of OSHA Regulation 1926, Subpart P.

1.2 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to work of this Section.
- B. Related Specification Sections
 - 1. Earth Moving Specification Section 33 2000.

1.3 SUBMITTALS

- A. Submittal procedures and requirements shall comply with Division 01 Specification Sections.
- B. Product Data: For each Mix design and materials.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Cement shall be Type I Portland cement conforming to ASTM C150. Fly ash shall meet the requirements of ASTM C618, Class C. Fly ash shall have a minimum CaO content of 20.0 percent. Sand shall be clean, durable sand containing not more than the following:
 - 1. Deleterious Materials: Clay lumps, when tested in accordance with ASTM C142, shall be less than 0.5 percent. Lightweight pieces, when tested in accordance with ASTM C123, shall be less than 5.0 percent. Organic I impurities, when tested in accordance with ASTM C40, shall not show a color darker than the standard color.
 - 2. The plasticity index shall be six (6) or less when tested in accordance with ASTM D4318.
 - 3. Sand shall be free of organic matter and deleterious substances and shall meet the following gradation requirement: Percent Passing, Square Sieve Size by Weight 3/8" 100%, No. 200 0-10%.

(Note: It is intended that the sand be a finer sand that will stay in suspension, in the mixture, to the extent required to obtain a flowable consistency. The gradation shall be adjusted to achieve this consistency.)

B. Water shall be clean and clear, free of oils, acids, alkalis, organic matter, or other deleterious substances and shall conform to the requirements of ASTM designation C94

220014.00 312323 - 1 FLOWABLE FILL

SECTION 31 2323 - FLOWABLE FILL

C. Admixtures shall conform to ASTM Designations C1017 and/or C494.

2.2 MIX DESIGN

A. The following are given as typical mix designs for trial mixes. Adjustments of the proportions may be made to achieve proper solid suspension and optimum flowability. Admixtures may be used, if desired, to improve the characteristics of the mix. The suggested quantities of dry material per cubic yard are as follows:

1. Trial Mix No. 1 (Excavatable – 100 psi Mix):

Cement: 185 lbs/cu yd

Sand: 2,600 to 2,800 lbs/cu yd Water/Cement Ratio: 2.7

2. Trial Mix No. 2 (Unexcavatable – 500 psi Mix):

Cement: 300 lbs/cu yd Sand: 2,600 to 2,900 lbs/cu yd Water/Cement Ratio: 1.5

B. The above quantities will give an approximate yield of one cubic yard. The flowability of the mixture shall be observed by the Engineer and flowability increased/decreased by adjusting the water content as well as increasing/ decreasing the air entraining admixture content.

PART 3 - EXECUTION

3.1 CONSISTENCY

A. The consistency of the mix shall be tested by filling an open-ended, three-inch diameter cylinder, six-inches high, to the top with flowable fill. The cylinder shall be immediately pulled straight up and the correct consistency of the flowable fill shall produce a minimum eight-inch diameter circular type spread, with no segregation. The flowable fill shall maintain its consistency when placed.

3.2 BATCHING, MIXING AND TRANSPORTATION

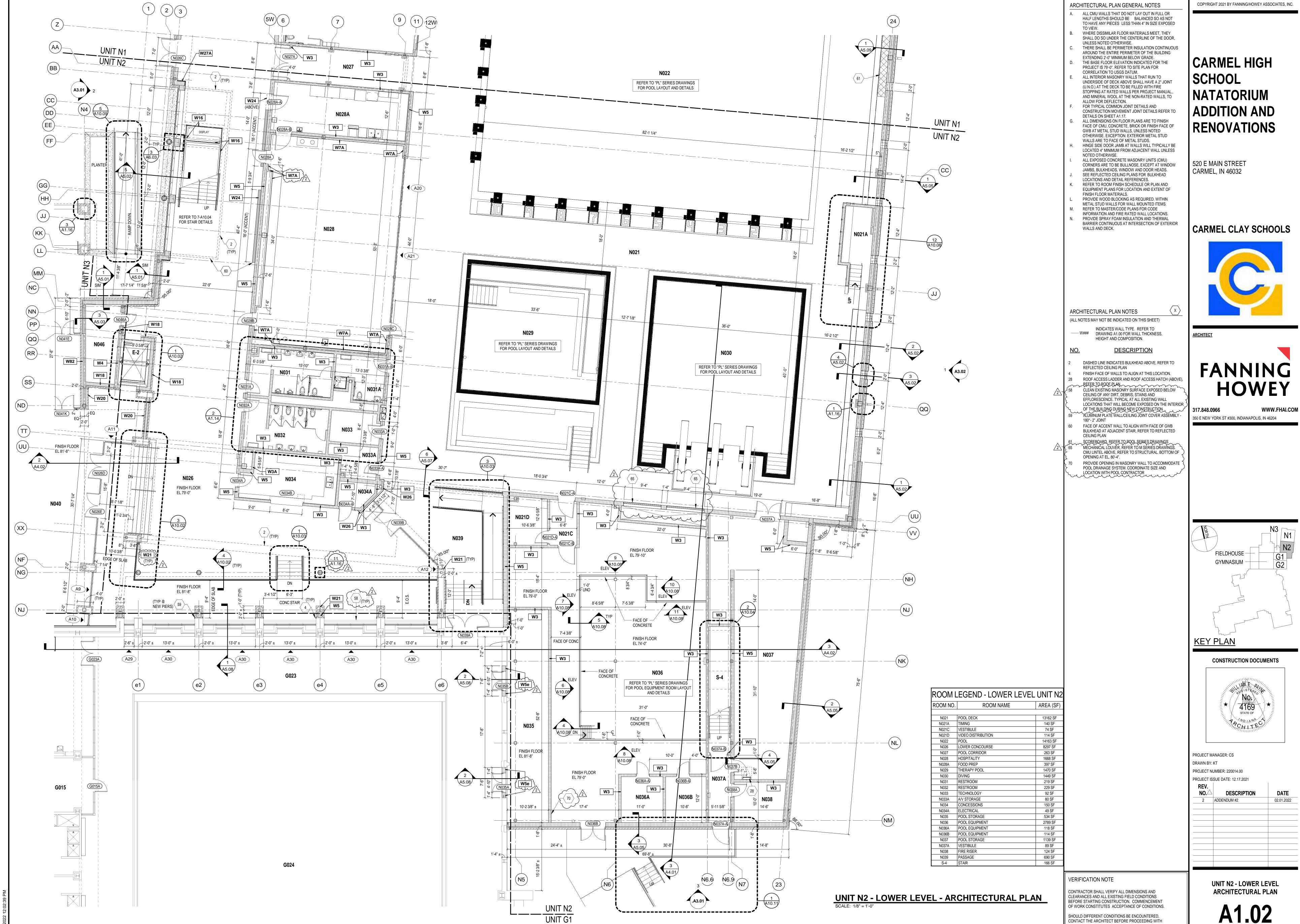
A. Materials are to be measured by weight. The flowable fill may be mixed in a central concrete mixer, a ready mix truck, or other means acceptable to the Engineer. The flowable fill shall be transported to the point of placement in a revolving drum mixer or in an agitator unit.

3.3 PLACEMENT

A. The flowable fill shall be placed by direct discharge from the mixer truck, or other approved methods. If necessary to prevent segregation, boots shall be used. The flowable fill shall be placed in accordance with the drawings

END OF SECTION 312323

220014.00 312323 - 2 FLOWABLE FILL



| ROOM L | EGEND - LOWER LEVEL | UNIT N3 |
|----------|---------------------|-----------|
| ROOM NO. | ROOM NAME | AREA (SF) |
| | | |
| E-2 | ELEVATOR | 84 SF |
| N026 | LOWER CONCOURSE | 8297 SF |
| N040 | LOBBY | 2389 SF |
| N041 | VESTIBULE | 701 SF |
| N042 | SRO | 152 SF |
| N043 | RECEPTION | 227 SF |
| N044 | STORAGE | 342 SF |
| N045 | CUSTODIAL | 99 SF |
| N046 | ELEV. EQ. | 156 SF |
| | | |

ARCHITECTURAL PLAN GENERAL NOTES ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT

TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED

WHERE DISSIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE. THERE SHALL BE PERIMETER INSULATION CONTINUOUS

AROUND THE ENTIRE PERIMETER OF THE BUILDING EXTENDING 2'-0" MINIMUM BELOW GRADE. THE BASE FLOOR ELEVATION INDICATED FOR THE PROJECT IS 79'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM. ALL INTERIOR MASONRY WALLS THAT RUN TO UNDERSIDE OF DECK ABOVE SHALL HAVE A 2" JOINT (U.N.O.) AT THE DECK TO BE FILLED WITH FIRE

STOPPING AT RATED WALLS PER PROJECT MANUAL. AND MINERAL WOOL AT THE NON-RATED WALLS, TO ALLOW FOR DEFLECTION. FOR TYPICAL COMMON JOINT DETAILS AND CONSTRUCTION MOVEMENT JOINT DETAILS REFER TO DETAILS ON SHEET A1.17. ALL DIMENSIONS ON FLOOR PLANS ARE TO FINISH FACE OF CMU, CONCRETE, BRICK OR FINISH FACE OF GWB AT METAL STUD WALLS, UNLESS NOTED OTHERWISE. EXCEPTION: EXTERIOR METAL STUD WALLS ARE TO FACE OF METAL STUDS.

HINGE SIDE DOOR JAMB AT WALLS WILL TYPICALLY BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSE, EXCEPT AT WINDOW JAMBS, BULKHEADS, WINDOW AND DOOR HEADS. SEE REFLECTED CEILING PLANS FOR BULKHEAD LOCATIONS AND DETAIL REFERENCES. REFER TO ROOM FINISH SCHEDULE OR PLAN AND EQUIPMENT PLANS FOR LOCATION AND EXTENT OF FINISH FLOOR MATERIALS.

PROVIDE WOOD BLOCKING AS REQUIRED. WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS. REFER TO MASTER/CODE PLANS FOR CODE INFORMATION AND FIRE RATED WALL LOCATIONS. PROVIDE SPRAY FOAM INSULATION AND THERMAL BARRIER CONTINUOUS AT INTERSECTION OF EXTERIOR WALLS AND DECK.

ARCHITECTURAL PLAN NOTES

REFLECTED CEILING PLAN

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

INDICATES WALL TYPE. REFER TO — W### DRAWING A1.00 FOR WALL THICKNESS,

DESCRIPTION

DASHED LINE INDICATES BULKHEAD ABOVE, REFER TO

INFILL DISPLAY OPENING WITH NEW WALL CONSTRUCTION (FULL HEIGHT AND WIDTH). FINISH FACE OF NEW GWB TO ALIGN WITH FINISH FACE OF BULKHEAD ABOVE. PROVIDE HORIZONTAL GWB REVEAL FULL LENGTH OF OPENING AT HEAD OF NEW WALL INFILL (SIZE TO MATCH EXISTING

ALUMINUM PLATE WALL/CEILING JOINT COVER ASSEMBLY -

FACE OF ACCENT WALL TO ALIGN WITH FACE OF GWB BULKHEAD AT ADJACENT STAIR, REFER TO REFLECTED CEILING PLAN

HEIGHT AND COMPOSITION.

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CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

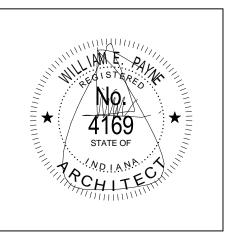
CARMEL CLAY SCHOOLS



<u>ARCHITECT</u>

ALUMINUM PLATE WALL/CEILING JOINT COVER ASSEMBLY WWW.FHAI.COM CLEAN FACE OF EXISTING EXTERIOR WALL THAT WILL BECOME EXPOSED ON THE INTERIOR OF THE BUILDING DURING NEW CONSTRUCTION, REFER TO DRAWINGS FOR 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204

CONSTRUCTION DOCUMENTS



PROJECT MANAGER: CS DRAWN BY: KT PROJECT NUMBER: 220014.00

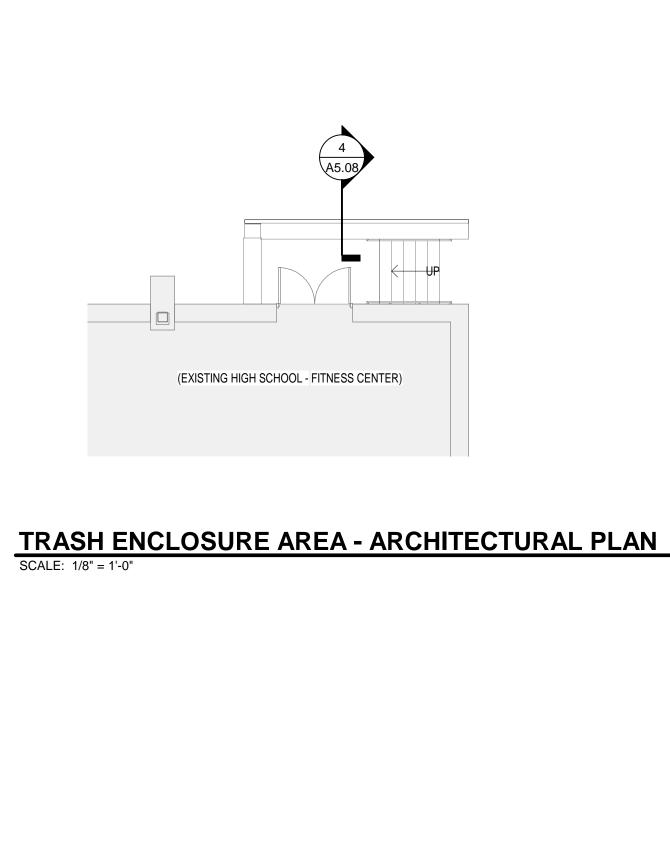
PROJECT ISSUE DATE: 12.17.2021

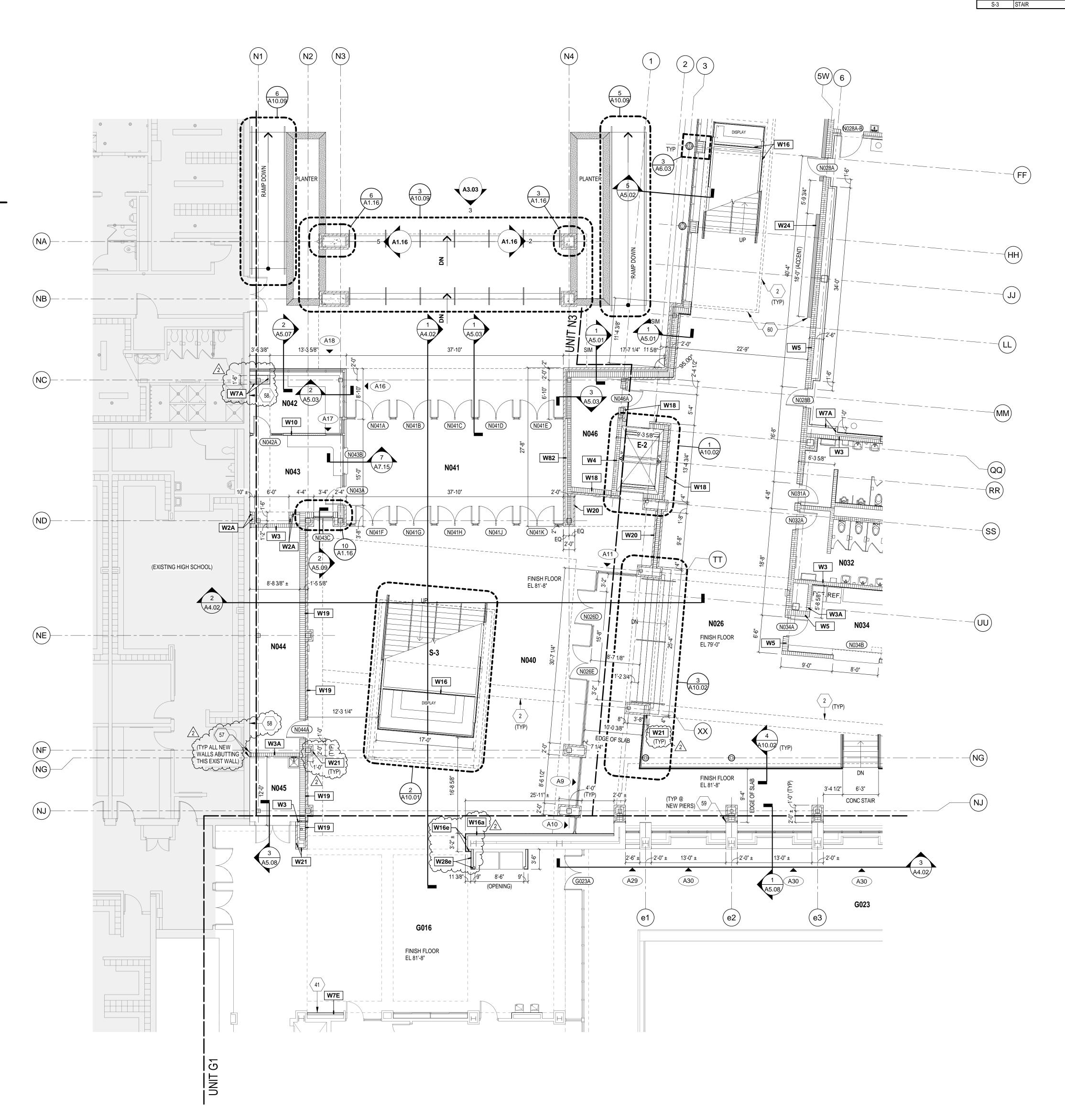
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| 2 | ADDENDUM #2 | 02.01.202 |
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VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH

UNIT N3 - LOWER LEVEL ARCHITECTURAL PLAN

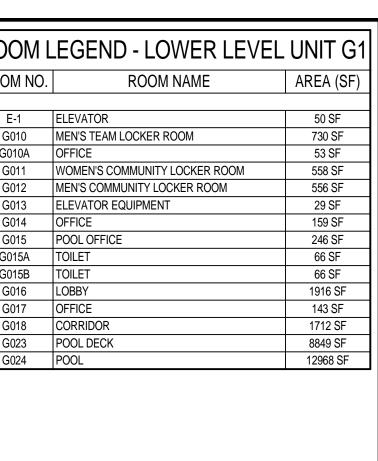




UNIT N3 - LOWER LEVEL - ARCHITECTURAL PLAN

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

| ROOM L | EGEND - LOWER LEVEL | UNIT G1 |
|----------|-------------------------------|-----------|
| ROOM NO. | ROOM NAME | AREA (SF) |
| | | |
| E-1 | ELEVATOR | 50 SF |
| G010 | MEN'S TEAM LOCKER ROOM | 730 SF |
| G010A | OFFICE | 53 SF |
| G011 | WOMEN'S COMMUNITY LOCKER ROOM | 558 SF |
| G012 | MEN'S COMMUNITY LOCKER ROOM | 556 SF |
| G013 | ELEVATOR EQUIPMENT | 29 SF |
| G014 | OFFICE | 159 SF |
| G015 | POOL OFFICE | 246 SF |
| G015A | TOILET | 66 SF |
| G015B | TOILET | 66 SF |
| G016 | LOBBY | 1916 SF |
| G017 | OFFICE | 143 SF |
| G018 | CORRIDOR | 1712 SF |
| G023 | POOL DECK | 8849 SF |
| G024 | POOL | 12968 SF |



ARCHITECTURAL PLAN GENERAL NOTES ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR

HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED WHERE DISSIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR,

UNLESS NOTED OTHERWISE. THERE SHALL BE PERIMETER INSULATION CONTINUOUS AROUND THE ENTIRE PERIMETER OF THE BUILDING EXTENDING 2'-0" MINIMUM BELOW GRADE. THE BASE FLOOR ELEVATION INDICATED FOR THE PROJECT IS 79'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

ALL INTERIOR MASONRY WALLS THAT RUN TO UNDERSIDE OF DECK ABOVE SHALL HAVE A 2" JOINT (U.N.O.) AT THE DECK TO BE FILLED WITH FIRE STOPPING AT RATED WALLS PER PROJECT MANUAL. AND MINERAL WOOL AT THE NON-RATED WALLS, TO ALLOW FOR DEFLECTION.
FOR TYPICAL COMMON JOINT DETAILS AND DETAILS ON SHEET A1.17.

CONSTRUCTION MOVEMENT JOINT DETAILS REFER TO ALL DIMENSIONS ON FLOOR PLANS ARE TO FINISH FACE OF CMU, CONCRETE, BRICK OR FINISH FACE OF GWB AT METAL STUD WALLS, UNLESS NOTED OTHERWISE. EXCEPTION: EXTERIOR METAL STUD WALLS ARE TO FACE OF METAL STUDS. HINGE SIDE DOOR JAMB AT WALLS WILL TYPICALLY BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS

NOTED OTHERWISE. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSE, EXCEPT AT WINDOW JAMBS, BULKHEADS, WINDOW AND DOOR HEADS. SEE REFLECTED CEILING PLANS FOR BULKHEAD LOCATIONS AND DETAIL REFERENCES. REFER TO ROOM FINISH SCHEDULE OR PLAN AND EQUIPMENT PLANS FOR LOCATION AND EXTENT OF FINISH FLOOR MATERIALS. PROVIDE WOOD BLOCKING AS REQUIRED. WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS. REFER TO MASTER/CODE PLANS FOR CODE

WALLS AND DECK.

ARCHITECTURAL PLAN NOTES

REFLECTED CEILING PLAN

180° - 2" JOINT

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

INDICATES WALL TYPE. REFER TO DRAWING A1.00 FOR WALL THICKNESS,

HEIGHT AND COMPOSITION.

DESCRIPTION

DASHED LINE INDICATES BULKHEAD ABOVE, REFER TO

FINISH FACE OF WALLS TO ALIGN AT THIS LOCATION. INFILL DISPLAY OPENING WITH NEW WALL CONSTRUCTION (FULL HEIGHT AND WIDTH), FINISH FACE OF NEW GWB TO

ALUMINUM PLATE WALL/CEILING JOINT COVER ASSEMBLY 90° 2" JOINT

CLEAN EXISTING MASONRY SURFACE EXPOSED BELOW
CEILING OF ANY DIRT, DEBRIS, STAINS AND
EFFLORESCENCE. TYPICAL AT ALL EXISTING WALL
LOCATIONS THAT WILL BECOME EXPOSED ON THE INTERIOR
OF THE BUILDING DUBING NEW CONSTRUCTION

OF THE BUILDING DURING NEW CONSTRUCTION

ALUMINUM PLATE WALL/CEILING JOINT COVER ASSEMBLY

ÀLIGN WITH FINISH FACE OF BULKHEAD ABOVE. PROVIDE HORIZONTAL GWB REVEAL FULL LENGTH OF OPENING AT HEAD OF NEW WALL INFILL (SIZE TO MATCH EXISTING

INFORMATION AND FIRE RATED WALL LOCATIONS. PROVIDE SPRAY FOAM INSULATION AND THERMAL BARRIER CONTINUOUS AT INTERSECTION OF EXTERIOR CARMEL CLAY SCHOOLS

520 E MAIN STREET

CARMEL, IN 46032

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CARMEL HIGH

NATATORIUM

ADDITION AND

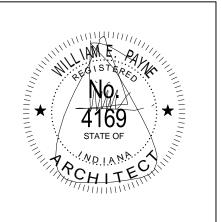
RENOVATIONS

SCHOOL

<u>ARCHITECT</u>

WWW.FHAI.COM 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204

CONSTRUCTION DOCUMENTS



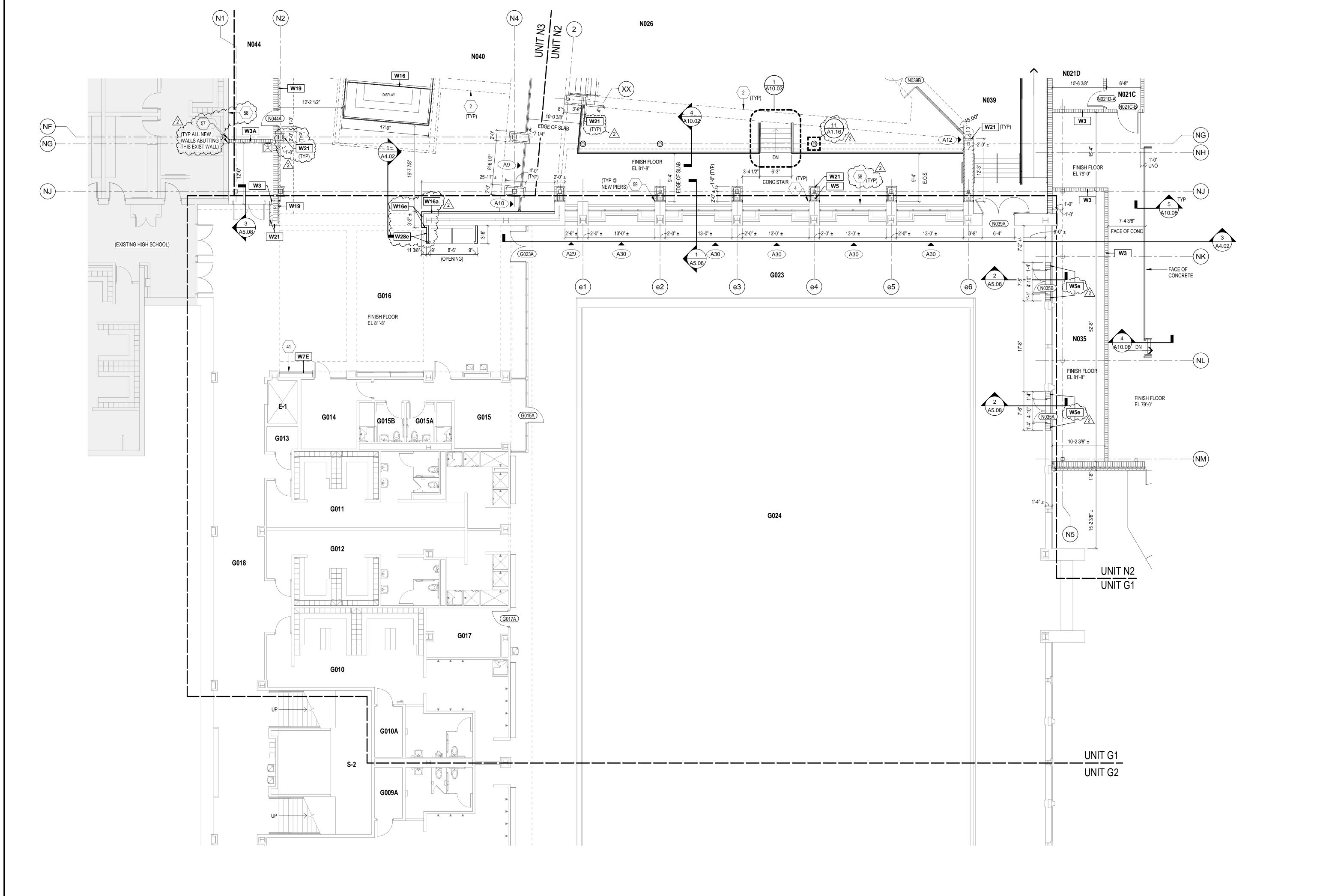
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PROJECT ISSUE DATE: 12.17.2021

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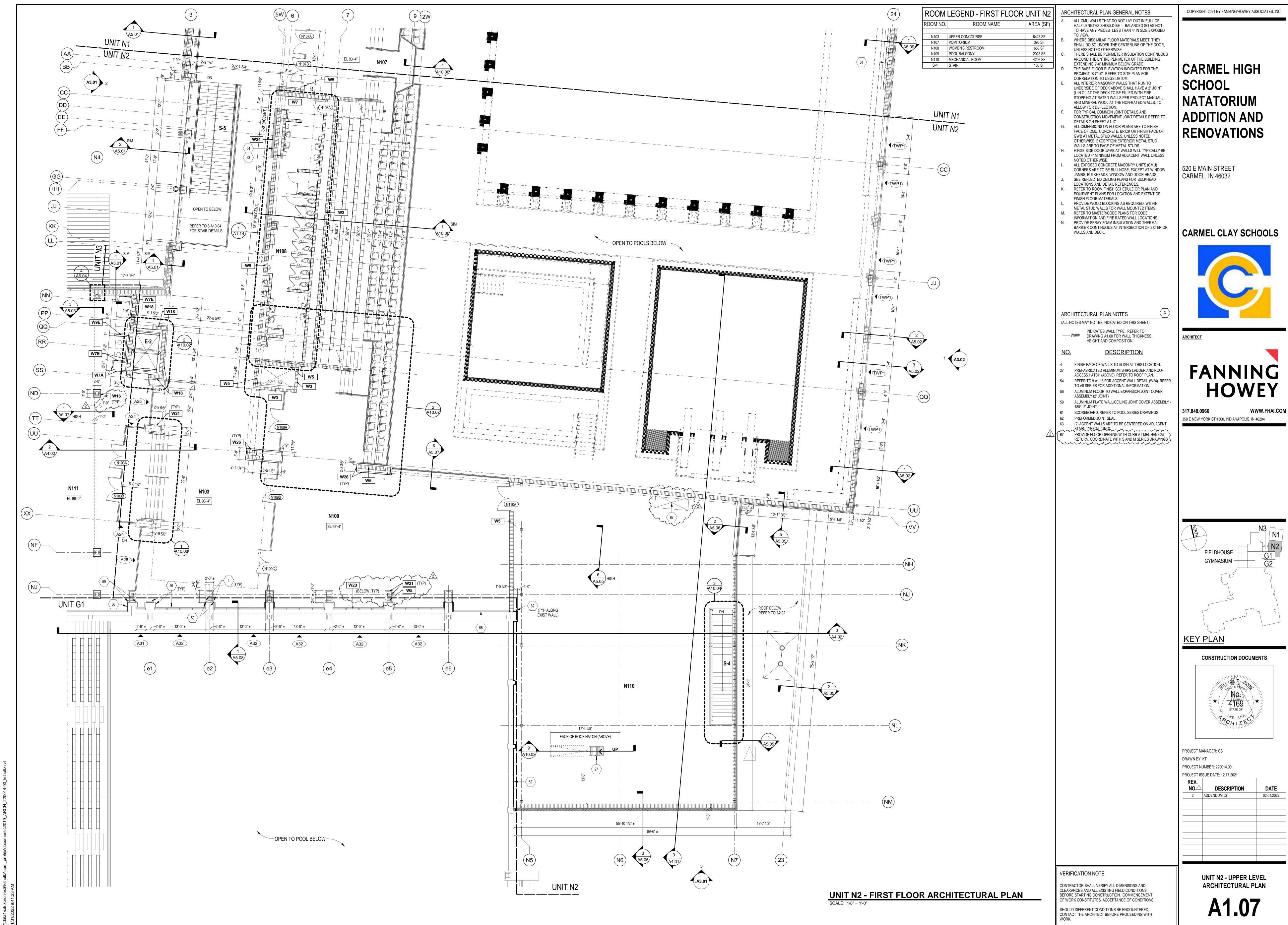
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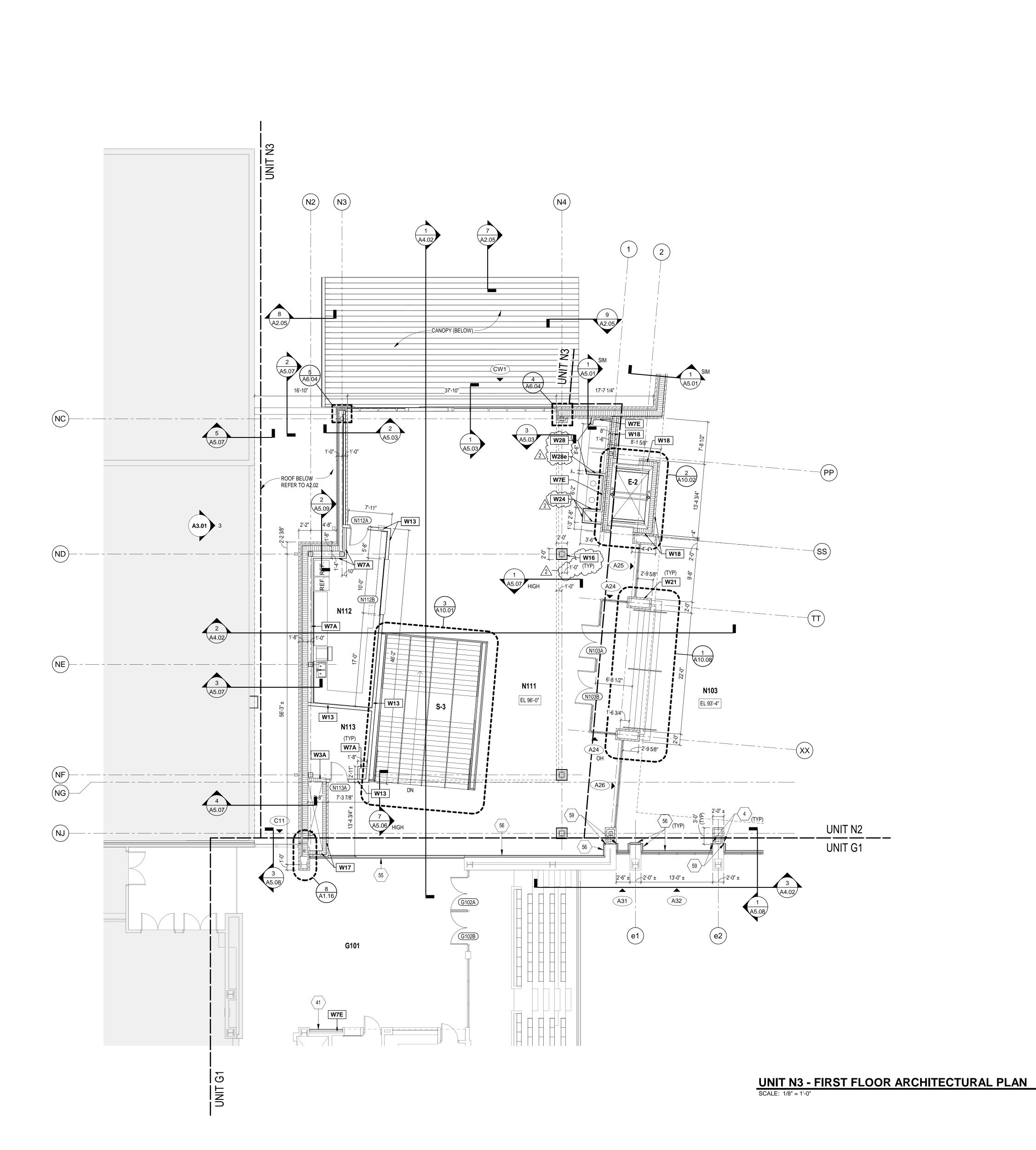
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH **UNIT G1 - LOWER LEVEL** ARCHITECTURAL PLAN



UNIT G1 - LOWER LEVEL - ARCHITECTURAL PLAN

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





ROOM LEGEND - FIRST FLOOR UNIT N3 ARCHITECTURAL PLAN GENERAL NOTES

235 SF

ROOM NAME AREA (SF) E-2 ELEVATOR

N111 UPPER LEVEL LOBBY

N112 CONCESSIONS

S-3 STAIR

TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED

ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR

HALF LENGTHS SHOULD BE BALANCED SO AS NOT

WHERE DISSIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE.

THERE SHALL BE PERIMETER INSULATION CONTINUOUS AROUND THE ENTIRE PERIMETER OF THE BUILDING EXTENDING 2'-0" MINIMUM BELOW GRADE. THE BASE FLOOR ELEVATION INDICATED FOR THE PROJECT IS 79'-0". REFER TO SITE PLAN FOR

CORRELATION TO USGS DATUM. ALL INTERIOR MASONRY WALLS THAT RUN TO UNDERSIDE OF DECK ABOVE SHALL HAVE A 2" JOINT (U.N.O.) AT THE DECK TO BE FILLED WITH FIRE STOPPING AT RATED WALLS PER PROJECT MANUAL., AND MINERAL WOOL AT THE NON-RATED WALLS, TO ALLOW FOR DEFLECTION. FOR TYPICAL COMMON JOINT DETAILS AND

CONSTRUCTION MOVEMENT JOINT DETAILS REFER TO DETAILS ON SHEET A1.17. ALL DIMENSIONS ON FLOOR PLANS ARE TO FINISH FACE OF CMU, CONCRETE, BRICK OR FINISH FACE OF GWB AT METAL STUD WALLS, UNLESS NOTED

WALLS ARE TO FACE OF METAL STUDS. HINGE SIDE DOOR JAMB AT WALLS WILL TYPICALLY BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.

OTHERWISE. EXCEPTION: EXTERIOR METAL STUD

ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSE, EXCEPT AT WINDOW JAMBS, BULKHEADS, WINDOW AND DOOR HEADS. SEE REFLECTED CEILING PLANS FOR BULKHEAD

LOCATIONS AND DETAIL REFERENCES. REFER TO ROOM FINISH SCHEDULE OR PLAN AND EQUIPMENT PLANS FOR LOCATION AND EXTENT OF FINISH FLOOR MATERIALS.

PROVIDE WOOD BLOCKING AS REQUIRED. WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS. REFER TO MASTER/CODE PLANS FOR CODE INFORMATION AND FIRE RATED WALL LOCATIONS.

PROVIDE SPRAY FOAM INSULATION AND THERMAL BARRIER CONTINUOUS AT INTERSECTION OF EXTERIOR WALLS AND DECK.

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CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS



ARCHITECTURAL PLAN NOTES (ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

HEIGHT AND COMPOSITION.

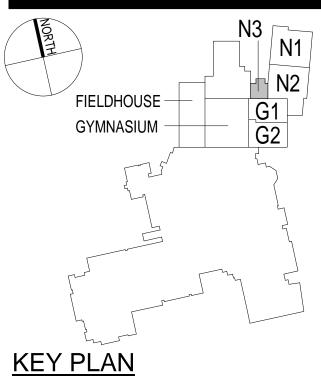
DESCRIPTION

FINISH FACE OF WALLS TO ALIGN AT THIS LOCATION. INFILL DISPLAY OPENING WITH NEW WALL CONSTRUCTION (FULL HEIGHT AND WIDTH). FINISH FACE OF NEW GWB TO ALIGN WITH FINISH FACE OF BULKHEAD ABOVE. PROVIDE HORIZONTAL GWB REVEAL FULL LENGTH OF OPENING AT HEAD OF NEW WALL INFILL (SIZE TO MATCH EXISTING REVEAL).

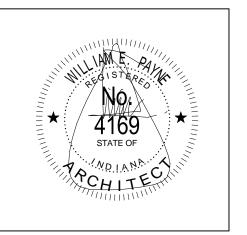
ALUMINUM FLOOR TO FLOOR EXPANSION JOINT COVER ASSEMBLY (2" JOINT) ALUMINUM FLOOR TO WALL EXPANSION JOINT COVER ASSEMBLY (2" JOINT) ALUMINUM PLATE WALL/CEILING JOINT COVER ASSEMBLY -180° - 2" JOINT



350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204



CONSTRUCTION DOCUMENTS



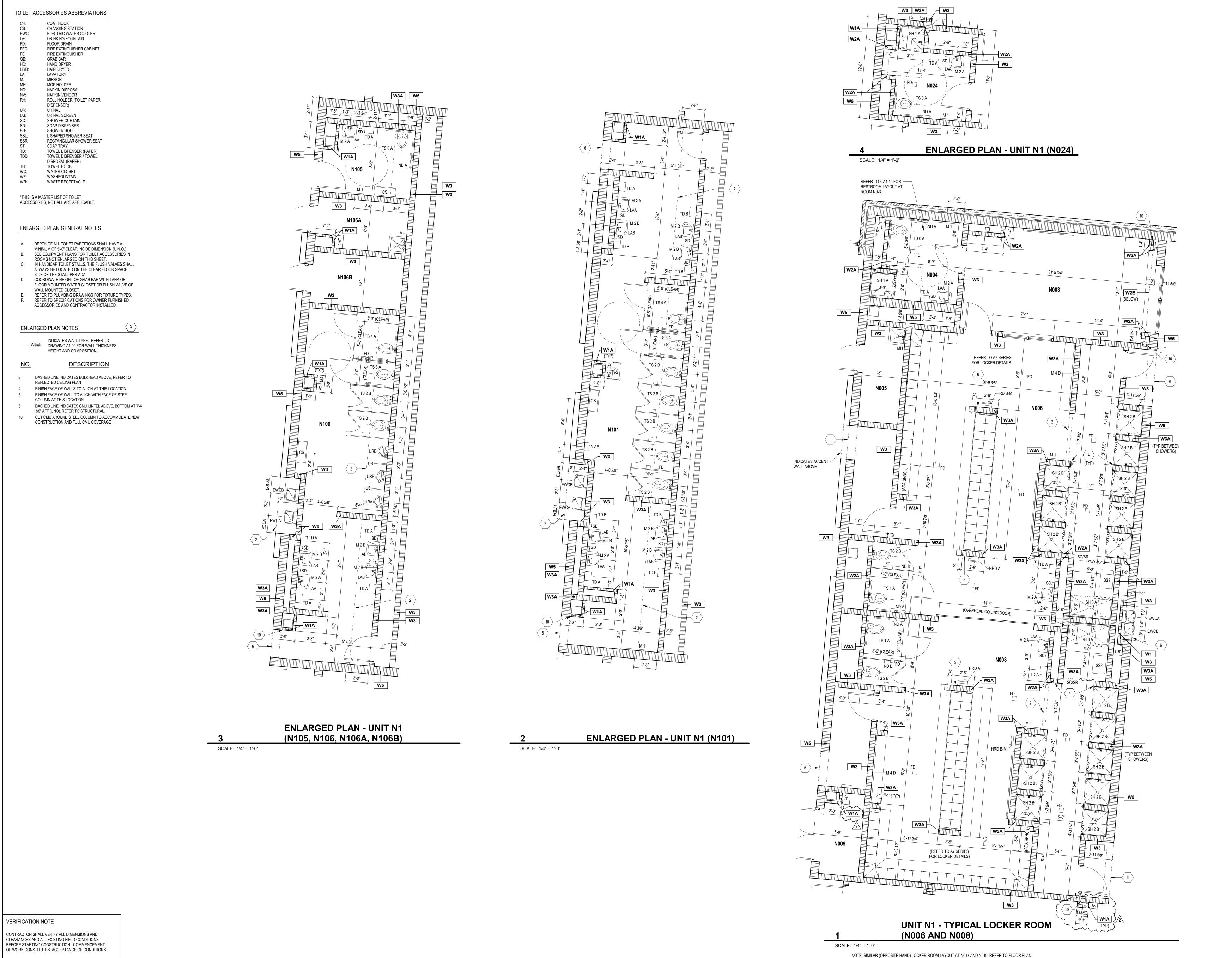
PROJECT MANAGER: CS PROJECT NUMBER: 220014.00

PROJECT ISSUE DATE: 12.17.2021

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CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS

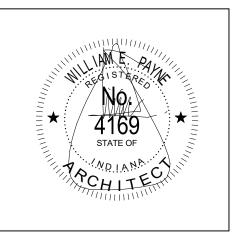


<u>ARCHITECT</u>



317.848.0966 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204

CONSTRUCTION DOCUMENTS



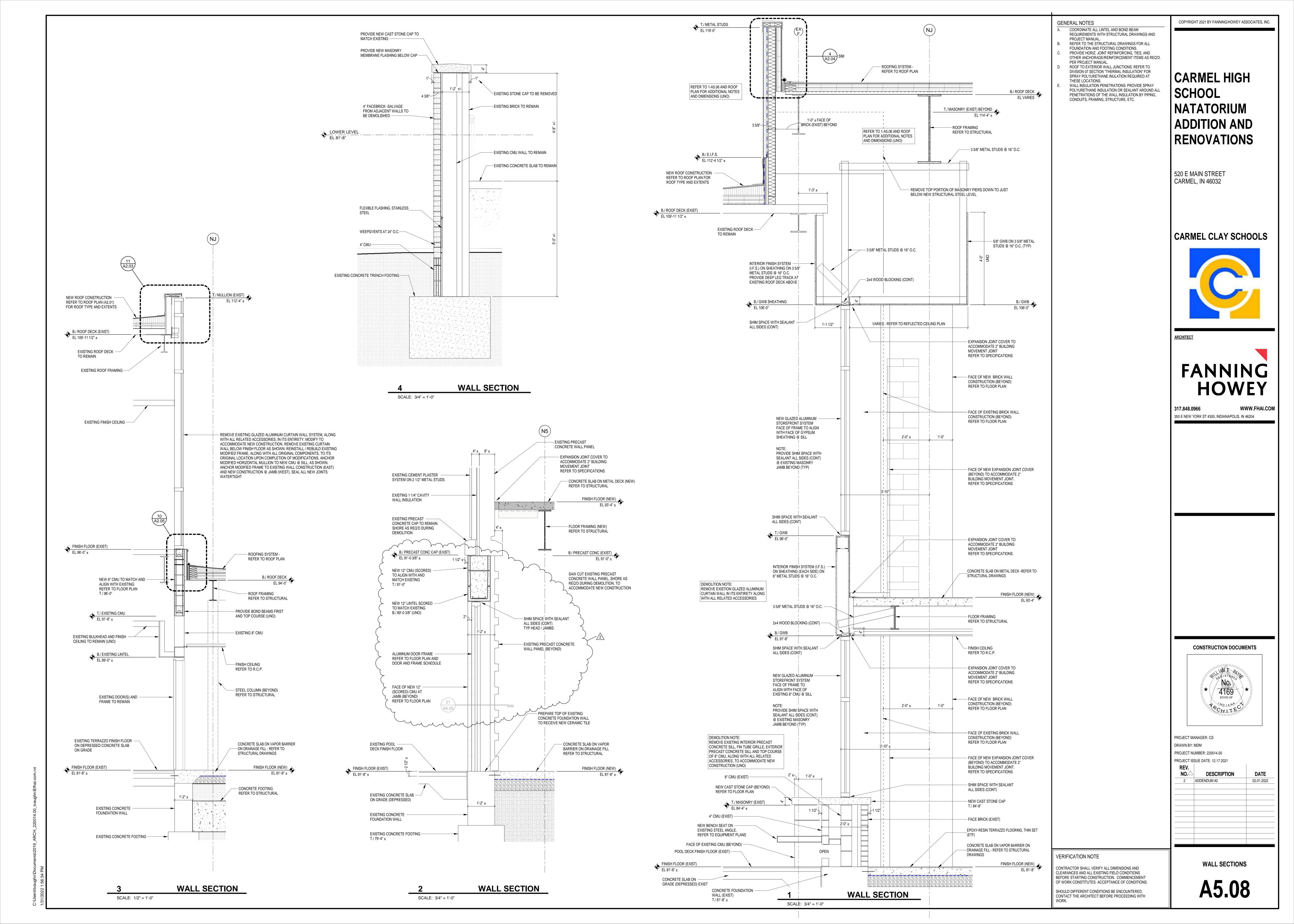
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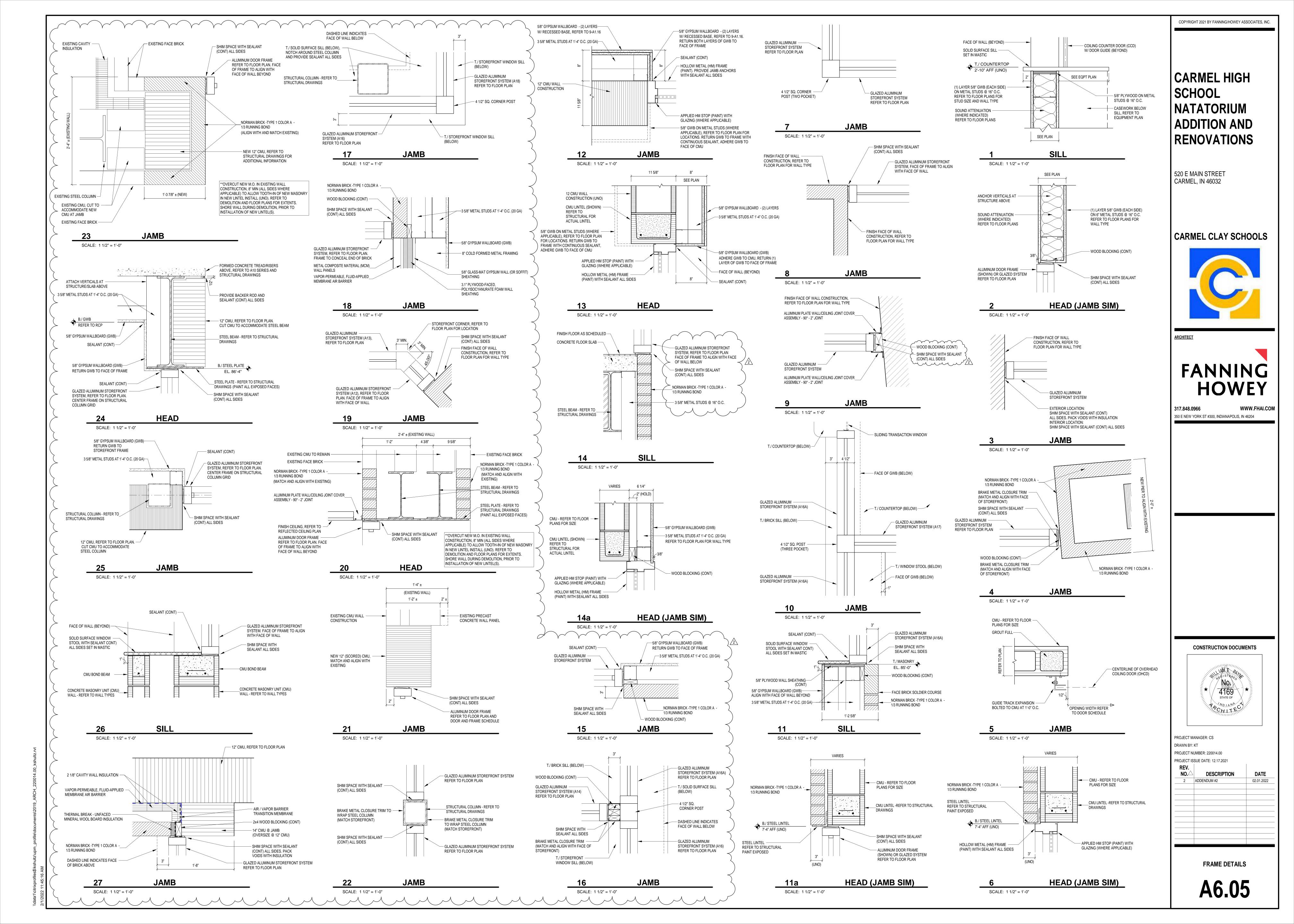
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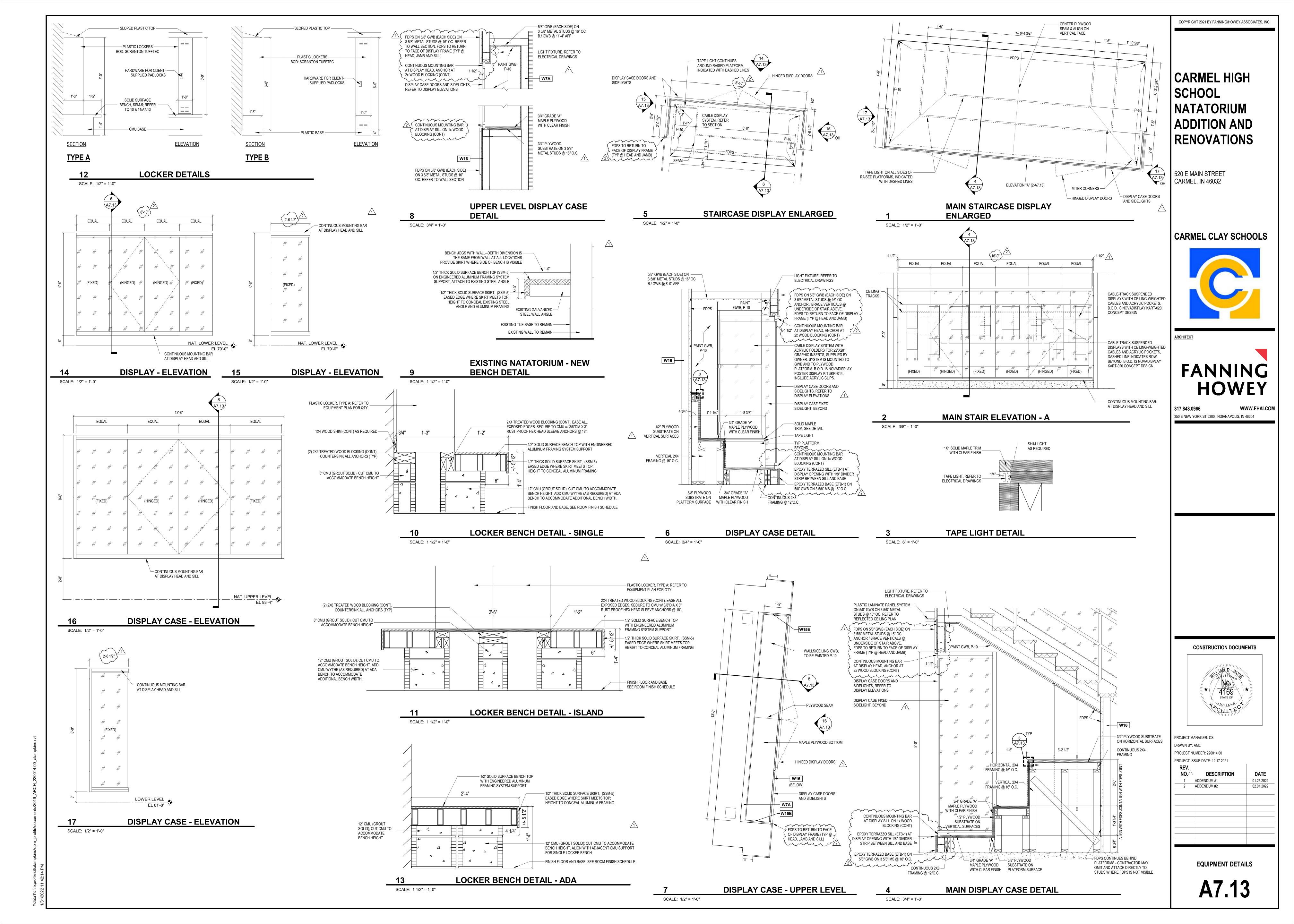
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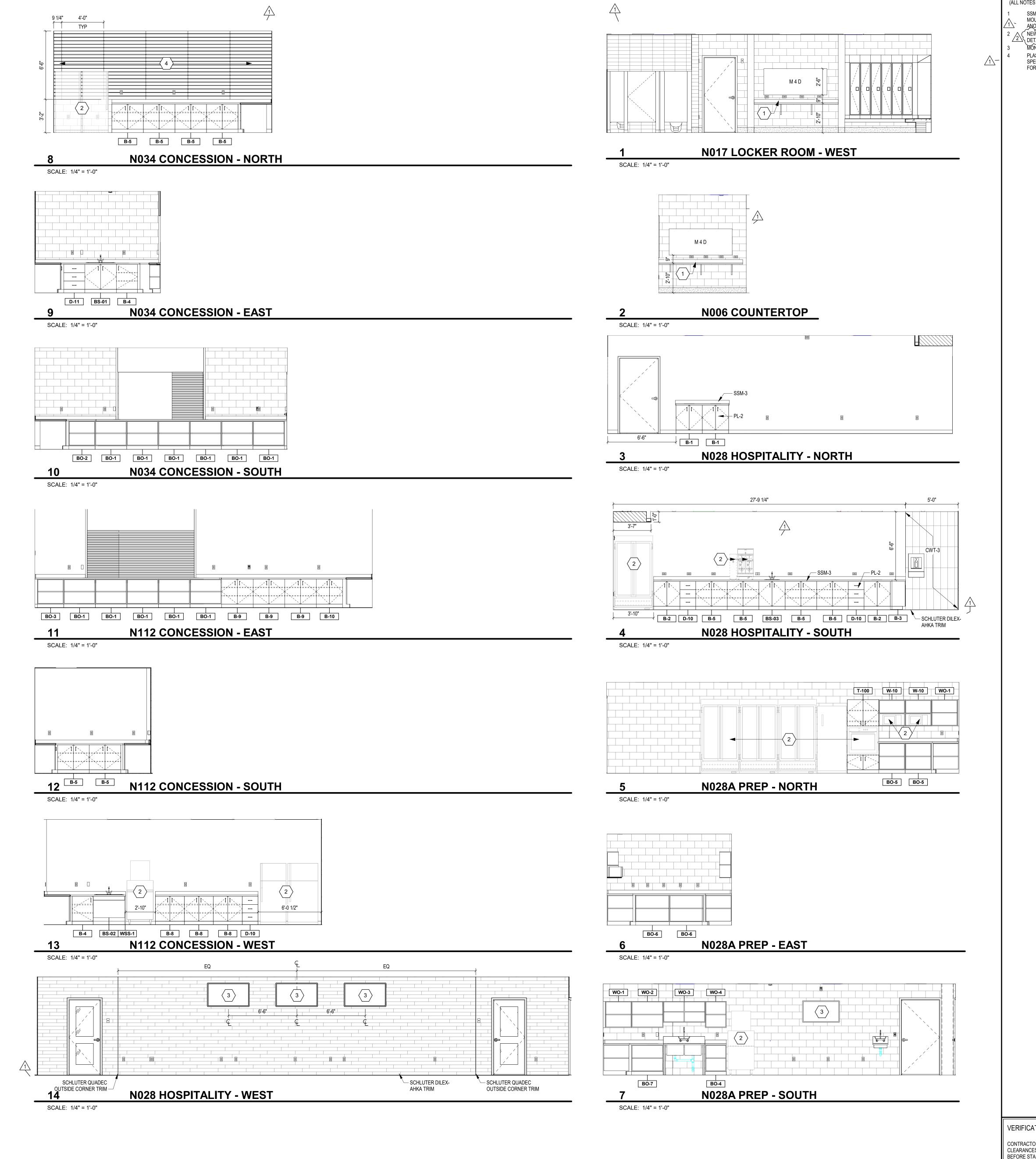
ENLARGED TOILET ROOM PLANS

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.









CASEWORK ELEVATION NOTES (ALL NOTES MAY NOT BE INDICATED ON THIS SHEET) 1 SSM-1 COUNTERTOP/SPLASH WITH RAKKS SURFACE
MOUNT EH COUNTER SUPPORT BRACKET EH-1212 IN CLEAR
ANODIZED FINISH

NEW APPLIANCE, REFER TO A7 PLAN FOR ADDITIONAL
DETAILS & A7S.01 FOR SCHEDULE

MONITOR, BY OWNER PLASTIC LAMINATE SLAT WALL PANELS, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. CUT OUT FOR OUTLETS AS REQUIRED

CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

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520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS

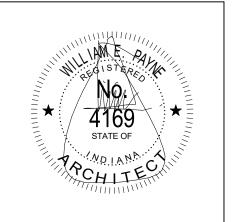


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317.848.0966 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204

CONSTRUCTION DOCUMENTS



PROJECT MANAGER: CS DRAWN BY: AML PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

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CONTACT THE ARCHITECT BEFORE PROCEEDING WITH

CASEWORK & EQUIPMENT ELEVATIONS

| | APPLIANCE SCHEDU | JLE | |
|----------|---|---------------------------------|--------------|
| ITEM NO. | APPLIANCES TO BE PURCHASED & INSTALLED BY CONTRACTOR 2 ITEM DESCRIPTION | ELEC. FIELD | PLUMB. FIELD |
| (A-1) | HOSPITALITY BEVERAGE REFRIGERATOR WHITE SLIDING GLASS DOOR HOLD OPEN DOOR FEATURE HYDROCARBON SERIES NO DISPENSER FLOW TRAK 160Z 78"H x 43.5"W x 32.25"D COLOR: STAINLESS STEEL BEVERAGE-AIR REFRIGERATOR MMR38HC | 120V, 60Hz, 15AMPS | CONNECTION |
| (A-2) | COFFEE MAKER • WIRELESS INTERFACE • SMART FUNNEL • WATER ACCES PLUMBEED • 36"H x 18"W x 23.5"D • COLOR: STAINLESS STEEL • BUNN SH DBC SST | 120V, 60Hz, 23.9AMPS | X |
| (A-3) | HOT WATER DISPENSER PULL AND HOLD DISPENSE WATER ACCESS PLUMBED LED DISPLAY FOR SIMPLE TEMP CHANGES ENERGY SAVING MODE COLOR: STAINLESS STEEL 28.5 H x 7.6"W x 18.9"D BUNN H5X ELEMENT SST NON-LOCKING FAUCET- 43600.0027 | 208V, 60Hz, 19.5 AMPS | X |
| (A-4) | ICE MAKER AND BIN BUILT IN SCOOPER HOLDER AND SCOOPER COROSION RESISTANT SPRING LOADED DOOR NUGGET ICE MACHINE ANTIMIRCROBIAL PROTECTION 24 HOUR VOLUME PRODUCTION 23"H x 22"W x 24"D COLOR: STAINLESS STEEL SCOTSMAN MODULAR STORAGE BIN B8425 AHRI CAPACITY SCOTSMAN PRODIGY PLUS NUGGET ICE MACHINE N0622A-1 | 120V, 60Hz, 15AMPS | X |
| (A-5) | CONCESSION BEVERAGE REFRIGERATOR WHITE HINGED SINGLE GLASS DOOR HYDROCARBON SERIES FIELD REVERSIBLE DOOR 3 SHELVES 78.5"H x 27.25"W x 27.5"D COLOR: WHITE BEVERAGE-AIR MARKETMAX REFRIGERATOR MMR19HC-1 | 3.0 AMPS | |
| A-6 | OVEN OVEN 30" SINGLE WALL OVEN ERRORS ELECTRIC FUEL, THERMAL COOKING SYSTEM ERRORS COLOR: STAINLESS STEEL KITCHENAID SINGLE OVEN KOPST100E | 240V, 60Hz, 20AMPS, | |
| (A-7) | REFRIGERATOR WITH FREEZER FULL WIDTH FREEZER DRAWER FINGERPRINT RESISTANT ICE MAX ICE MAKER CUBIC FEET: 28.2 70"H x 35.75"W x 35.375"D COLOR: STAINLESS STEEL SAMSUNG RF28T5001SR | 115V, 60Hz, 5.3AMPS | Х |
| (A-8) | MICROWAVE SENSOR COOK SENSER REHEAT MART INVERTER 12.13"H x 21.41"W x 17"D COLOR: STAINLESS STEEL LG COOKING NEOCHEF COUNTERTOP MICROWAVE OVEN LMC1575_ | 120V, 60Hz, 14AMPS, 1600W | |
| (A-9) | UPRIGHT FREEZER FROST-FREE BOTTOM MOUNT COMPRESSOR DESIGN ADJUSTABLE SHELVING DOOR LOCK OPTION 82.5"H x 29"W x 32.25"D COLOR: STAINLESS STEEL SABA 23-CU FT FROST-FREE COMMERCIAL FREEZER #3644732 | 120V, 7.92 AMPS | |
| (A-10) | HOSPITALITY PREP REFRIGERATOR WHITE SLIDING GLASS DOOR HOLD OPEN DOOR FEATURE HYDROCARBON SERIES NO DISPENSER 78"H x 43.5"W x 32.25"D COLOR: STAINLESS STEEL BEVERAGE-AIR REFRIGERATOR MMR38HC | 120V, 60Hz, 15AMPS | |

| | | EDU | ICATIO | DNAL | CASEWORK SCHEDULE |
|------|-----|-------|--------|-----------|---|
| | | | SIZE | | |
| TYPE | NO. | W | D | Н | CASEWORK DESCRIPTION |
| | 1 | 1 | 1 | | |
| | | 4'-0" | 1'-6" | 2'-10" | |
| В | 1 | 2'-6" | 2'-0" | 2'-10" | BASE UNIT WITH TWO HINGED DOORS WITH ATTACHED TOE KICK AND NO ADJUSTABLE SHELVES. |
| В | 2 | 2'-6" | 2'-6" | 2'-10" | BASE UNIT WITH TWO HINGED DOORS WITH ATTACHED TOE KICK AND NO ADJUSTABLE SHELVES. |
| В | 3 | 1'-5" | 2'-6" | 2'-10" | CURVED BASE UNIT WITH RECESSED TOE KICK |
| В | 4 | 2'-0" | 2'-6" | 2'-10" | BASE UNIT WITH TWO ADJUSTABLE SHELVES AND ONE HINGED DOOR. |
| В | 5 | 3'-0" | 2'-6" | 2'-10" | BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS. |
| В | 6 | 2'-0" | 2'-0" | 2'-6" | BASE UNIT WITH TWO ADJUSTABLE SHELVES AND ONE HINGED DOOR. |
| В | 7 | 3'-0" | 2'-6" | 2'-10" | BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS. |
| В | 8 | 2'-9" | 2'-6" | 2'-10" | BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS. |
| В | 9 | 3'-0" | 2'-0" | 2'-10" | BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS. |
| В | 10 | 2'-6" | 2'-0" | 2'-10" | BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS. |
| ВО | 1 | 3'-0" | 1'-1" | 2'-10" | OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF. |
| ВО | 2 | 2'-6" | 2'-0" | 2'-10" | OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF. |
| ВО | 3 | 2'-6" | 1'-1" | 2'-10" | OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF. |
| ВО | 4 | 2'-0" | 2'-6" | 3'-0" | OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF. |
| ВО | 5 | 2'-6" | 2'-6" | 3'-0" | OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF. |
| ВО | 6 | 3'-3" | 2'-6" | 3'-0" | OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF. |
| ВО | 7 | 3'-0" | 2'-6" | 3'-0" | OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF. |
| BS | 01 | 3'-0" | 2'-6" | 2'-10" | SINK BASE UNIT WITH TWO HINGED DOORS. |
| BS | 02 | 3'-0" | 2'-0" | 2'-0" | ADULT ADA SINK BASE UNIT WITH A REMOVABLE ACCESS PANEL. |
| BS | 03 | 2'-6" | 2'-6" | 2'-10" | BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS. |
| D | 10 | 1'-6" | 2'-6" | 2'-10" | DRAWER UNIT WITH THREE EQUAL DRAWERS. 6-1/2 INCHES DEEP INSIDE. |
| D | 11 | 2'-0" | 2'-6" | 2'-10" | DRAWER UNIT WITH THREE EQUAL DRAWERS. 6-1/2 INCHES DEEP INSIDE. |
| DF | 2 | 1'-4" | 2'-0" | 2'-6" | FILE DRAWER UNIT WITH FOLLOWERS, TWO EQUAL DRAWERS (INSIDE SIDES TO BE 9-3/4 INCHES HIGH), AND HANGER CHANNEL INTEGRAL WITH DRAWER SIDES FOR BOTH LEGAL AND LETTER FILING. |
| DF | 3 | 1'-4" | | 3'-5 1/2" | |
| Т | 100 | 3'-0" | 2'-6" | 7'-0" | TALL SPLIT DOOR STORAGE WITH ONE FIXED SHELF. AT THE UPPER CABINET, PROVIDE THREE ADJUSTABLE SHELVES AND TWO HINGED DOORS. AT THE LOWER CABINET, PROVIDE ONE ADJUSTABLE SHELF AND TWO HINGED DOORS. |
| TO | 1 | 2'-0" | 1'-9" | 7'-0" | OPEN TALL UNIT WITH FIVE ADJUSTABLE SHELVES. |
| TO | 2 | 2'-0" | 1'-0" | 7'-0" | OPEN TALL UNIT WITH FIVE ADJUSTABLE SHELVES. |
| W | 10 | 2'-6" | 1'-2" | 1'-4" | OPEN WALL UNIT WITH ADJUSTABLE SHELF AND FIXED LOWER SHELF FOR MICROWAVE |
| WO | 1 | 2'-6" | 1'-2" | 2'-6" | OPEN WALL UNIT WITH ONE ADJUSTABLE SHELF. |
| WO | 2 | 3'-0" | 1'-2" | 2'-6" | OPEN WALL UNIT WITH ONE ADJUSTABLE SHELF. |
| WO | 3 | 4'-0" | 1'-2" | 2'-0" | OPEN WALL UNIT WITH ONE VERTICAL DIVIDER, TWO ADJUSTABLE SHELVES. |
| WO | 4 | 2'-0" | 1'-2" | 2'-6" | OPEN WALL UNIT WITH ONE ADJUSTABLE SHELF. |
| WSS | 1 | | | | WORKSURFACE SUPPORT |

LIST OF FINISHES

EQUIPMENT MATERIALS

REFER TO A7 ARCH. DWG. SHEETS

PHENOLIC TOILET COMPARTMENTS MATERIAL ABBREVIATION MATERIAL/MANUFACTURER **COLOR SELECTION** PTC-1 (GROUP RR) REFER TO SPECIFICATIONS TO BE SELECTED

| ROLLER WINDOW SHADES | |
|----------------------|--|
| | |

REFER TO SPECIFICATIONS TO BE SELECTED

SHOWER CURTAINS

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION | |
|-------------------------|-------------------------|-----------------|--|
| SPTC-1 (LOCKER ROOM RR) | REFER TO SPECIFICATIONS | TO BE SELECTED | |

EQUIPMENT MATERIAL & FINISH GEN. NOTES

- A. COLOR SELECTION OF ALL FINISHES FOR INTERIOR PLASTIC LAMINATE FACED ARCHITECTURAL CABINETS/CUSTOM CASEWORK ITEMS ARE NOTED ON CASEWORK ELEVATIONS AND A7 DRAWINGS.
- B. EDUCATIONAL CASEWORK FINISHES ARE AS FOLLOWS:
 3MM AND 1MM PVC EDGES ON COUNTERTOPS AND WORKSURFACES ARE TO MATCH COUNTERTOP/WORKSURFACE COLOR
- 3MM AND 1MM PVC EDGES ON CASEWORK ARE TO MATCH CASEWORK COLOR SELECTION.
 HIGH PRESSURE PLASTIC LAMINATE CABINETS INTERIOR MELAMINE TO BE WHITE EXCEPT: TRASH BASE CABINETS (B-1, B-2) INTERIOR MELAMINE TO BE BLACK.
- HANDLES TO BE SILVER METALLIC POWDERCOAT.
- ALL SOLID SURFACE INTERIOR WINDOW SILLS AS DETAILED ON ARCH. DWGS. TO BE SOLID SURFACE, SSM-2. POOL EQUIPMENT FINISHES TO BE SELECTED.

FIXED SEATING

BASIS OF DESIGN: HUSSEY FUSION STADIUM CHAIR, REFER TO SPECIFICATIONS PLASTIC SEAT FINISH: 301 BLUE ALUMINUM SUPPORTS FINISH: 301 BLUE

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|---|---|---|
| PL-1 (CONCESSION) PL-2 (HOSPITALITY) PL-3 (RECEPTION) | WILSONART/FORMICA/ NEVAMAR WILSONART/FORMICA/ NEVAMAR NEVAMAR | STANDARD, TO BE SELECTED PREMIUM, TO BE SELECTED CARAJILLO WZ0055-T |
| KICKPLATES | | |
| STAINLESS STEEL | | |
| LOCKERS | | |
| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
| | SCRANTON "TUFFTEC" HDPE | STANDARD, TO BE SELECTED |
| MARKERBOARD | | |
| | | |

| ROLLER WINDOW ON DEC | | |
|-----------------------|-----------------------|-----------------|
| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
| | | |

SOLID POLYMER TOILET COMPARTMENTS

| | MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION | |
|---|-------------------------|-------------------------|-----------------|--|
| _ | SPTC-1 (LOCKER ROOM RR) | REFER TO SPECIFICATIONS | TO BE SELECTED | |
| | | | | |

SOLID SURFACE MATERIAL

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|-----------------------|----------------------------|-------------------------|
| SSM-1 (C-TOPS) | CORIAN/WILSONART/LX HAUSYS | GROUP 4, TO BE SELECTED |
| SSM-2 (SILLS) | CORIAN/WILSONART/LX HAUSYS | GROUP 2, TO BE SELECTED |
| SSM-3 (HOSPITALITY) | CORIAN/WILSONART/LX HAUSYS | GROUP 6, TO BE SELECTED |
| SSM-4 (RECEPTION) | CORIAN/WILSONART/LX HAUSYS | GROUP 4, TO BE SELECTED |
| SSM-5 (BENCHES) | CORIAN/WILSONART/LX HAUSYS | GROUP 3, TO BE SELECTED |

TACKBOARD

| MATERIAL ABBREVIATION MATERIAL/MANUFACTURER COLOR SELECTION | |
|---|--|

REFER TO SPECIFICATIONS

STANDARD, TO BE SELECTED

- 2. OPEN CABINET INTERIORS TO MATCH EXTERIOR COLOR SELECTION.
- HINGES TO BE SILVER METALLIC POWDERCOAT. GROMMET COLOR TO BE SELECTED.

CARMEL HIGH SCHOOL NATATORIUM ADDITION AND

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RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

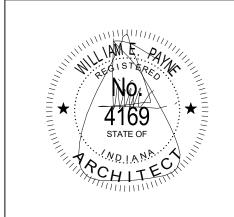
CARMEL CLAY SCHOOLS





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CONSTRUCTION DOCUMENTS



PROJECT MANAGER: CS DRAWN BY: AML PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

| REV. NO.△ | DESCRIPTION | DATE |
|--------------|-------------|------------|
| 2 | ADDENDUM #2 | 02.01.2022 |
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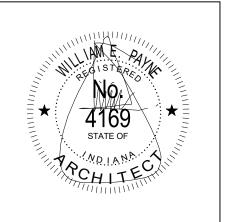
EDUCATIONAL CASEWORK SCHEDULES



CARMEL HIGH **NATATORIUM ADDITION AND** RENOVATIONS

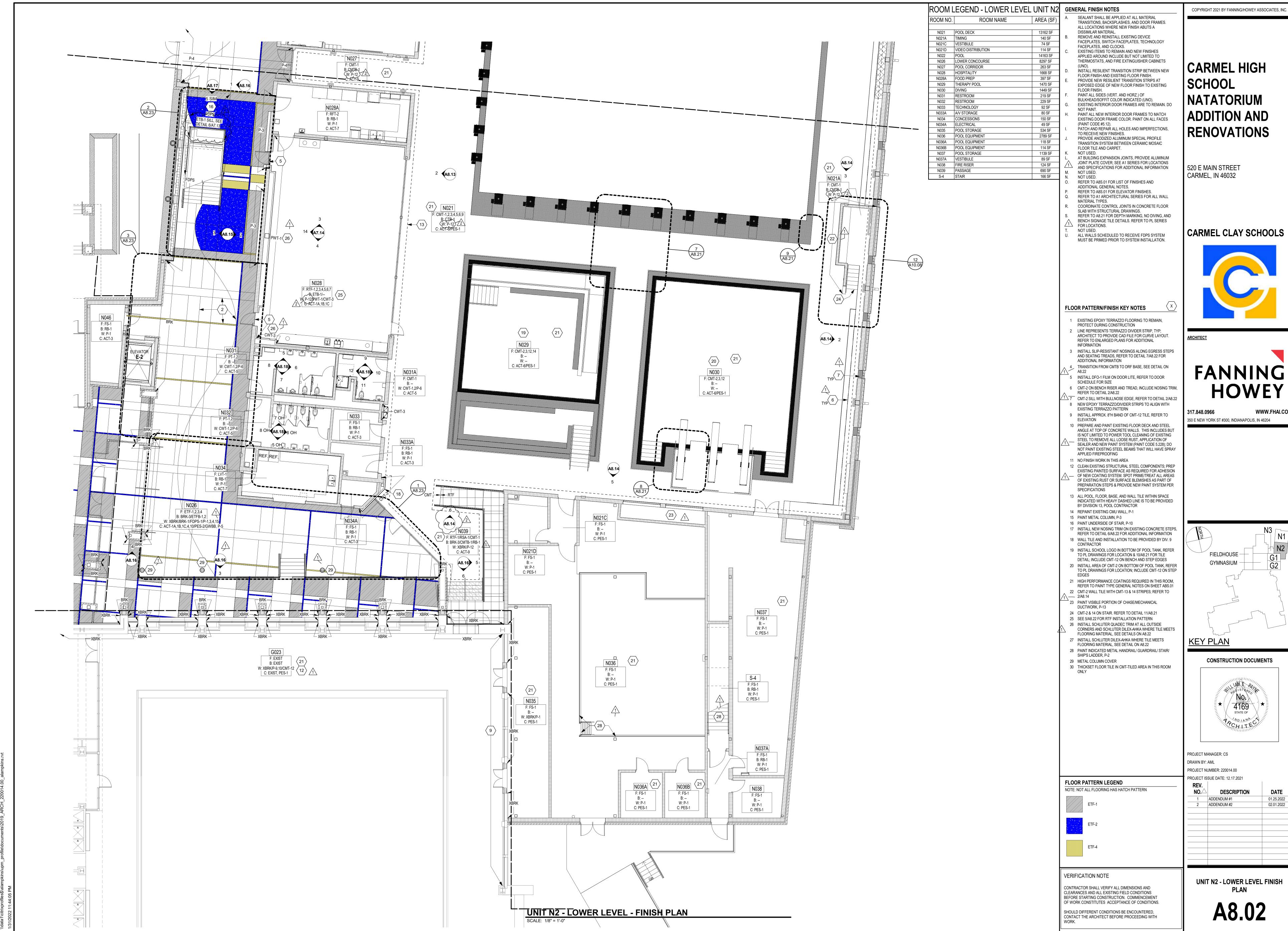


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01.25.2022

02.01.2022



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| NO42 F CORF1 W SHROC-14 NO41 F CORF1 W PRO-1 NO41 F CORF1 W PRO-1 NO41 F CORF1 R BRIST W PRO-1 NO41 F CORF1 R BRIST R BRIS | |
|--|--|
| NOAL SUPERING CACTS SSS PORS FEBRS OF FEBRS | |
| IND40 FETH SILL SEE DE TAIL 4/3/13 B BRK SASTER I W XBRKBRKP, IFEDPS I A7.13 A8.10 A7.13 A8.10 AR.23 FDPS XBRK XBRK XBRK XBRK XBRK XBRK XBRK XBRK | |

B: RB-1 W: XBRK/P-1 C: ACT-3

UNIT N3 - LOWER LEVEL - FINISH PLAN
SCALE: 1/8" = 1'-0"

ROOM LEGEND - LOWER LEVEL LINIT N3

| | LGLIND - LOVVLIX LLVLL | UIVII |
|----------|------------------------|-------|
| ROOM NO. | ROOM NAME | AREA |
| | | |
| E-2 | ELEVATOR | 84 9 |
| N026 | LOWER CONCOURSE | 8297 |
| N040 | LOBBY | 2389 |
| N041 | VESTIBULE | 701 |
| N042 | SRO | 152 |
| N043 | RECEPTION | 227 |
| N044 | STORAGE | 342 |
| N045 | CUSTODIAL | 99 8 |
| N046 | ELEV. EQ. | 156 |
| S-3 | STAIR | 235 |

GENERAL FINISH NOTES

156 SF

235 SF

SEALANT SHALL BE APPLIED AT ALL MATERIAL TRANSITIONS, BACKSPLASHES, AND DOOR FRAMES.

ALL LOCATIONS WHERE NEW FINISH ABUTS A DISSIMILAR MATERIAL. REMOVE AND REINSTALL EXISTING DEVICE FACEPLATES, SWITCH FACEPLATES, TECHNOLOGY FACEPLATES, AND CLOCKS. EXISTING ITEMS TO REMAIN AND NEW FINISHES APPLIED AROUND INCLUDE BUT NOT LIMITED TO

THERMOSTATS, AND FIRE EXTINGUISHER CABINETS INSTÁLL RESILIENT TRANSITION STRIP BETWEEN NEW FLOOR FINISH AND EXISTING FLOOR FINISH. PROVIDE NEW RESILIENT TRANSITION STRIPS AT EXPOSED EDGE OF NEW FLOOR FINISH TO EXISTING

FLOOR FINISH. PAINT ALL SIDES (VERT. AND HORZ.) OF BULKHEAD/SOFFIT COLOR INDICATED (UNO).

EXISTING INTERIOR DOOR FRAMES ARE TO REMAIN. DO NOT PAINT. PAINT ALL NEW INTERIOR DOOR FRAMES TO MATCH EXISTING DOOR FRAME COLOR. PAINT ON ALL FACES (PAINT CODE #5.12). PATCH AND REPAIR ALL HOLES AND IMPERFECTIONS, TO RECEIVE NEW FINISHES. PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE

FLOOR TILE AND CARPET. NOT USED. AT BUILDING EXPANSION JOINTS, PROVIDE ALUMINUM JOINT PLATE COVER; SEE A1 SERIES FOR LOCATIONS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION NOT USED.

TRANSITION SYSTEM BETWEEN CERAMIC MOSAIC

NOT USED. REFER TO A8S.01 FOR LIST OF FINISHES AND ADDITIONAL GENERAL NOTES. REFER TO A8S.01 FOR ELEVATOR FINISHES.

REFER TO A1 ARCHITECTURAL SERIES FOR ALL WALL

MATERIAL TYPES. COORDINATE CONTROL JOINTS IN CONCRETE FLOOR SLAB WITH STRUCTURAL DRAWINGS. REFER TO A8.21 FOR DEPTH MARKING, NO DIVING, AND BENCH SIGNAGE TILE DETAILS. REFER TO PL SERIES FOR LOCATIONS. NOT USED.

ALL WALLS SCHEDULED TO RECEIVE FDPS SYSTEM MUST BE PRIMED PRIOR TO SYSTEM INSTALLATION.

FLOOR PATTERN/FINISH KEY NOTES

PROTECT DURING CONSTRUCTION

INFORMATION

ADDITIONAL INFORMATION

REFER TO DETAIL 2/A8.22

APPLIED FIREPROOFING 11 NO FINISH WORK IN THIS AREA

SPECIFICATIONS

CONTRACTOR

DUCTWORK, P-13

SHIP'S LADDER, P-2

29 METAL COLUMN COVER

EXISTING TERRAZZO PATTERN

SCHEDULE FOR SIZE

ELEVATION

1 EXISTING EPOXY TERRAZZO FLOORING TO REMAIN,

2 LINE REPRESENTS TERRAZZO DIVIDER STRIP, TYP; ARCHITECT TO PROVIDE CAD FILE FOR CURVE LAYOUT.

REFER TO ENLARGED PLANS FOR ADDITIONAL

3 INSTALL SLIP-RESISTANT NOSINGS ALONG EGRESS STEPS AND SEATING TREADS, REFER TO DETAIL 7/A8.22 FOR

CMT-2 ON BENCH RISER AND TREAD, INCLUDE NOSING TRIM,

7 CMT-2 SILL WITH BULLNOSE EDGE, REFER TO DETAIL 2/A8.22 8 NEW EPOXY TERRAZZO/DIVIDER STRIPS TO ALIGN WITH

9 INSTALL APPROX. 8"H BAND OF CMT-12 TILE, REFER TO

10 PREPARE AND PAINT EXISTING FLOOR DECK AND STEEL ANGLE AT TOP OF CONCRETE WALLS. THIS INCLUDES BUT IS NOT LIMITED TO POWER TOOL CLEANING OF EXISTING STEEL TO REMOVE ALL LOOSE RUST, APPLICATION OF SEALER AND NEW PAINT SYSTEM (PAINT CODE 5.228); DO NOT PAINT EXISTING STEEL BEAMS THAT WILL HAVE SPRAY

12 CLEAN EXISTING STRUCTURAL STEEL COMPONENTS; PREP EXISTING PAINTED SURFACE AS REQUIRED FOR ADHESION OF NEW COATING SYSTEM. SPOT PRIME/TREAT ALL AREAS OF EXISTING RUST OR SURFACE BLEMISHES AS PART OF PREPARATION STEPS & PROVIDE NEW PAINT SYSTEM PER

13 ALL POOL, FLOOR, BASE, AND WALL TILE WITHIN SPACE INDICATED WITH HEAVY DASHED LINE IS TO BE PROVIDED

18 WALL TILE AND INSTALLATION TO BE PROVIDED BY DIV. 9

TO PL DRAWINGS FOR LOCATION & 10/A8.21 FOR TILE

DETAIL; INCLUDE CMT-12 ON BENCH AND STEP EDGES

22 CMT-2 WALL TILE WITH CMT-13 & 14 STRIPES; REFER TO

23 PAINT VISIBLE PORTION OF CHASE/MECHANICAL

24 CMT-2 & 14 ON STAIR. REFER TO DETAIL 11/A8.21 25 SEE 5/A8.22 FOR RTF INSTALLATION PATTERN 26 INSTALL SCHLUTER QUADEC TRIM AT ALL OUTSIDE

FLOORING MATERIAL, SEE DETAILS ON A8.22 27 INSTALL SCHLUTER DILEX-AHKA WHERE TILE MEETS FLOORING MATERIAL, SEE DETAIL ON A8.22

28 PAINT INDICATED METAL HANDRAIL/ GUARDRAIL/ STAIR/

30 THICKSET FLOOR TILE IN CMT-TILED AREA IN THIS ROOM

BY DIVISION 13, POOL CONTRACTOR 14 REPAINT EXISTING CMU WALL, P-1 15 PAINT METAL COLUMN, P-3 16 PAINT UNDERSIDE OF STAIR, P-10

4 TRANSITION FROM CMTB TO DRF BASE, SEE DETAIL ON

5 INSTALL DFO-1 FILM ON DOOR LITE, REFER TO DOOR

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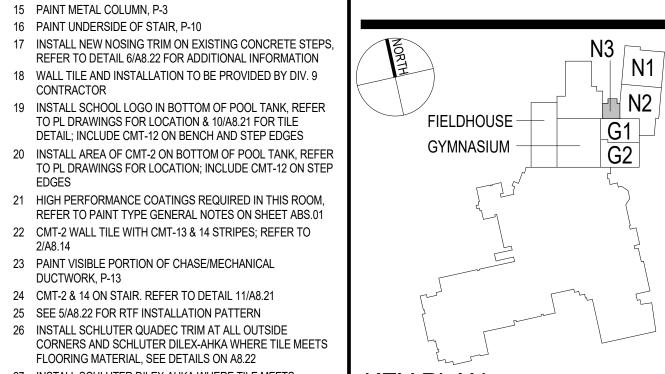
520 E MAIN STREET CARMEL, IN 46032

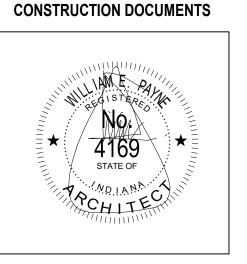
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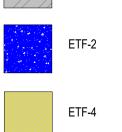


PROJECT MANAGER: CS DRAWN BY: AML PROJECT NUMBER: 220014.00

PROJECT ISSUE DATE: 12.17.2021

REV.

FLOOR PATTERN LEGEND NOTE: NOT ALL FLOORING HAS HATCH PATTERN



DATE NO. DESCRIPTION 2 ADDENDUM #2 02.01.2022

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS
BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH

UNIT N3 - LOWER LEVEL FINISH PLAN



GENERAL FINISH NOTES

SEALANT SHALL BE APPLIED AT ALL MATERIAL TRANSITIONS, BACKSPLASHES, AND DOOR FRAMES.

ALL LOCATIONS WHERE NEW FINISH ABUTS A DISSIMILAR MATERIAL. REMOVE AND REINSTALL EXISTING DEVICE

FACEPLATES, SWITCH FACEPLATES, TECHNOLOGY FACEPLATES, AND CLOCKS. EXISTING ITEMS TO REMAIN AND NEW FINISHES APPLIED AROUND INCLUDE BUT NOT LIMITED TO

THERMOSTATS, AND FIRE EXTINGUISHER CABINETS INSTÁLL RESILIENT TRANSITION STRIP BETWEEN NEW FLOOR FINISH AND EXISTING FLOOR FINISH.

PROVIDE NEW RESILIENT TRANSITION STRIPS AT EXPOSED EDGE OF NEW FLOOR FINISH TO EXISTING FLOOR FINISH.

PAINT ALL SIDES (VERT. AND HORZ.) OF BULKHEAD/SOFFIT COLOR INDICATED (UNO). EXISTING INTERIOR DOOR FRAMES ARE TO REMAIN. DO

PAINT ALL NEW INTERIOR DOOR FRAMES TO MATCH EXISTING DOOR FRAME COLOR. PAINT ON ALL FACES (PAINT CODE #5.12). PATCH AND REPAIR ALL HOLES AND IMPERFECTIONS, TO RECEIVE NEW FINISHES.

PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE TRANSITION SYSTEM BETWEEN CERAMIC MOSAIC FLOOR TILE AND CARPET.

NOT USED. AT BUILDING EXPANSION JOINTS, PROVIDE ALUMINUM JOINT PLATE COVER; SEE A1 SERIES FOR LOCATIONS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION

NOT USED. REFER TO A8S.01 FOR LIST OF FINISHES AND ADDITIONAL GENERAL NOTES.

REFER TO A8S.01 FOR ELEVATOR FINISHES. REFER TO A1 ARCHITECTURAL SERIES FOR ALL WALL MATERIAL TYPES.

NOT USED.

COORDINATE CONTROL JOINTS IN CONCRETE FLOOR SLAB WITH STRUCTURAL DRAWINGS. REFER TO A8.21 FOR DEPTH MARKING, NO DIVING, AND BENCH SIGNAGE TILE DETAILS. REFER TO PL SERIES FOR LOCATIONS. NOT USED.

FLOOR PATTERN/FINISH KEY NOTES

PROTECT DURING CONSTRUCTION

ADDITIONAL INFORMATION

SCHEDULE FOR SIZE

REFER TO DETAIL 2/A8.22

APPLIED FIREPROOFING 11 NO FINISH WORK IN THIS AREA

SPECIFICATIONS

CONTRACTOR

DUCTWORK, P-13

SHIP'S LADDER, P-2

29 METAL COLUMN COVER

EXISTING TERRAZZO PATTERN

1 EXISTING EPOXY TERRAZZO FLOORING TO REMAIN,

ARCHITECT TO PROVIDE CAD FILE FOR CURVE LAYOUT.

3 INSTALL SLIP-RESISTANT NOSINGS ALONG EGRESS STEPS AND SEATING TREADS, REFER TO DETAIL 7/A8.22 FOR

CMT-2 ON BENCH RISER AND TREAD, INCLUDE NOSING TRIM,

7 CMT-2 SILL WITH BULLNOSE EDGE, REFER TO DETAIL 2/A8.22 8 NEW EPOXY TERRAZZO/DIVIDER STRIPS TO ALIGN WITH

9 INSTALL APPROX. 8"H BAND OF CMT-12 TILE, REFER TO

10 PREPARE AND PAINT EXISTING FLOOR DECK AND STEEL ANGLE AT TOP OF CONCRETE WALLS. THIS INCLUDES BUT IS NOT LIMITED TO POWER TOOL CLEANING OF EXISTING STEEL TO REMOVE ALL LOOSE RUST, APPLICATION OF SEALER AND NEW PAINT SYSTEM (PAINT CODE 5.228); DO NOT PAINT EXISTING STEEL BEAMS THAT WILL HAVE SPRAY

12 CLEAN EXISTING STRUCTURAL STEEL COMPONENTS; PREP EXISTING PAINTED SURFACE AS REQUIRED FOR ADHESION

OF NEW COATING SYSTEM. SPOT PRIME/TREAT ALL AREAS OF EXISTING RUST OR SURFACE BLEMISHES AS PART OF

PREPARATION STEPS & PROVIDE NEW PAINT SYSTEM PER

13 ALL POOL, FLOOR, BASE, AND WALL TILE WITHIN SPACE INDICATED WITH HEAVY DASHED LINE IS TO BE PROVIDED

17 INSTALL NEW NOSING TRIM ON EXISTING CONCRETE STEPS, REFER TO DETAIL 6/A8.22 FOR ADDITIONAL INFORMATION 18 WALL TILE AND INSTALLATION TO BE PROVIDED BY DIV. 9

19 INSTALL SCHOOL LOGO IN BOTTOM OF POOL TANK, REFER TO PL DRAWINGS FOR LOCATION & 10/A8.21 FOR TILE

DETAIL; INCLUDE CMT-12 ON BENCH AND STEP EDGES

21 HIGH PERFORMANCE COATINGS REQUIRED IN THIS ROOM, REFER TO PAINT TYPE GENERAL NOTES ON SHEET ABS.01 22 CMT-2 WALL TILE WITH CMT-13 & 14 STRIPES; REFER TO

CORNERS AND SCHLUTER DILEX-AHKA WHERE TILE MEETS

23 PAINT VISIBLE PORTION OF CHASE/MECHANICAL

24 CMT-2 & 14 ON STAIR. REFER TO DETAIL 11/A8.21 25 SEE 5/A8.22 FOR RTF INSTALLATION PATTERN 26 INSTALL SCHLUTER QUADEC TRIM AT ALL OUTSIDE

FLOORING MATERIAL, SEE DETAILS ON A8.22 27 INSTALL SCHLUTER DILEX-AHKA WHERE TILE MEETS FLOORING MATERIAL, SEE DETAIL ON A8.22

28 PAINT INDICATED METAL HANDRAIL/ GUARDRAIL/ STAIR/

30 THICKSET FLOOR TILE IN CMT-TILED AREA IN THIS ROOM

20 INSTALL AREA OF CMT-2 ON BOTTOM OF POOL TANK, REFER TO PL DRAWINGS FOR LOCATION; INCLUDE CMT-12 ON STEP

BY DIVISION 13, POOL CONTRACTOR

14 REPAINT EXISTING CMU WALL, P-1 15 PAINT METAL COLUMN, P-3 16 PAINT UNDERSIDE OF STAIR, P-10

2 LINE REPRESENTS TERRAZZO DIVIDER STRIP, TYP;

REFER TO ENLARGED PLANS FOR ADDITIONAL

4 TRANSITION FROM CMTB TO DRF BASE, SEE DETAIL ON

5 INSTALL DFO-1 FILM ON DOOR LITE, REFER TO DOOR

ALL WALLS SCHEDULED TO RECEIVE FDPS SYSTEM MUST BE PRIMED PRIOR TO SYSTEM INSTALLATION.

CARMEL HIGH SCHOOL **NATATORIUM ADDITION AND** RENOVATIONS

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520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS



<u>ARCHITECT</u>

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FIELDHOUSE -GYMNASIUM -

CONSTRUCTION DOCUMENTS

DATE

PROJECT MANAGER: CS DRAWN BY: AML

2 ADDENDUM #2

PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021 FLOOR PATTERN LEGEND REV. NOTE: NOT ALL FLOORING HAS HATCH PATTERN NO. DESCRIPTION

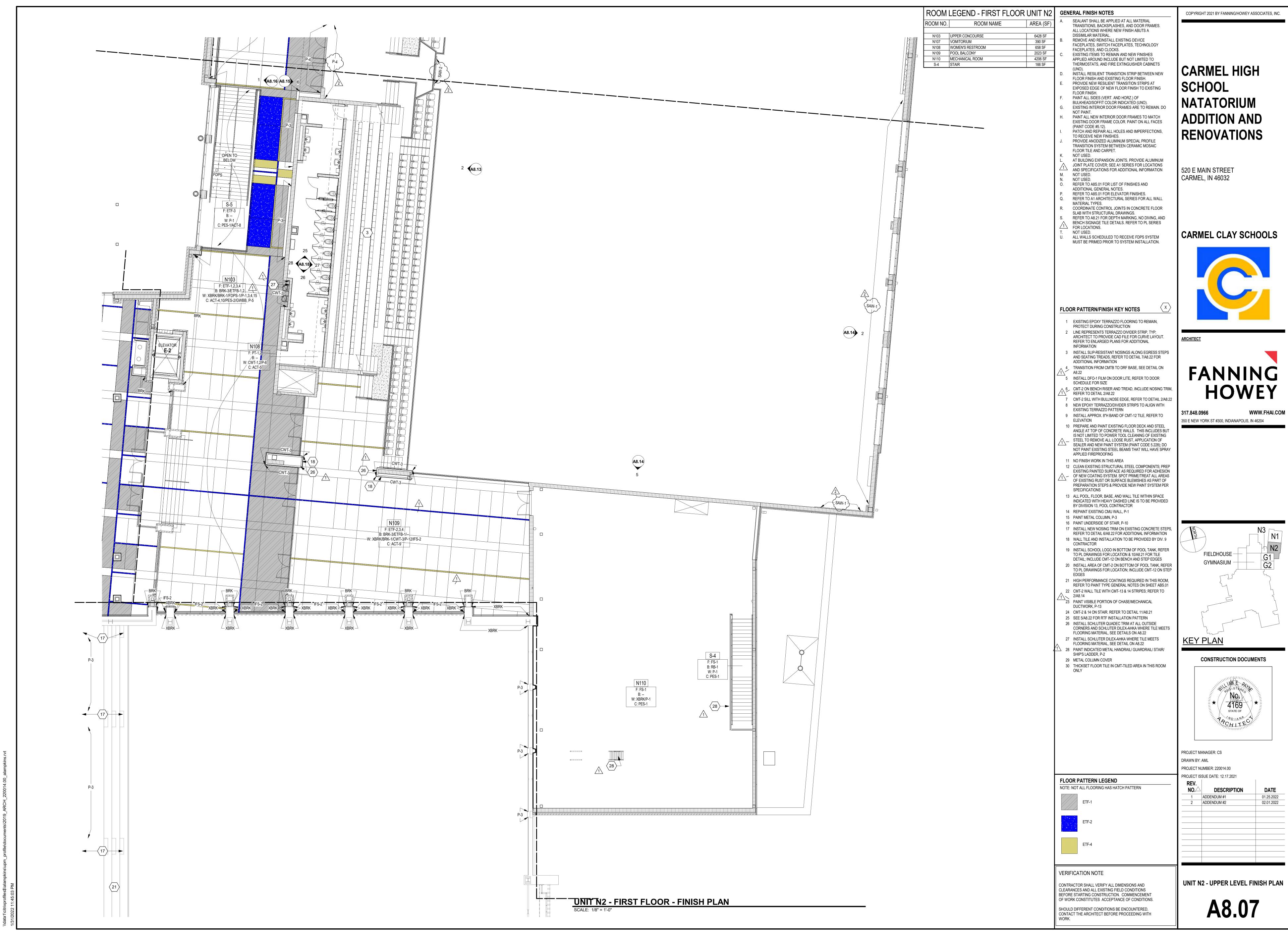
ETF-1 ETF-4

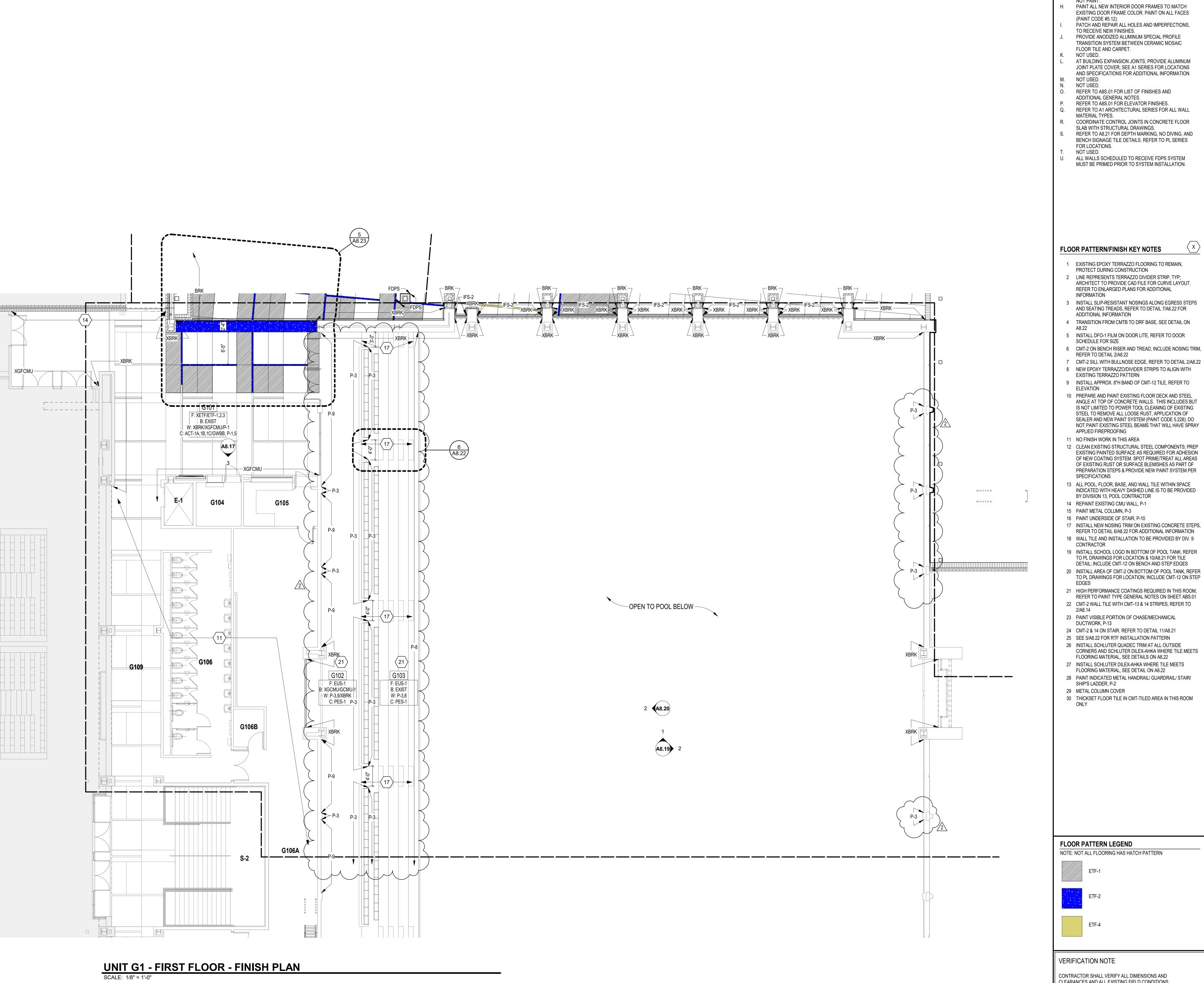
VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH **UNIT N1 - UPPER LEVEL FINISH PLAN**

A8.06





GENERAL FINISH NOTES

ROOM LEGEND - FIRST FLOOR UNIT G SEALANT SHALL BE APPLIED AT ALL MATERIAL **ROOM NAME** AREA (SF TRANSITIONS, BACKSPLASHES, AND DOOR FRAMES. ALL LOCATIONS WHERE NEW FINISH ABUTS A E-1 ELEVATOR
G101 LOBBY
G102 SEATING CROSS AISLE
G103 POOL SEATING DISSIMILAR MATERIAL. 1590 SF

1669 SF

2418 SF

130 SF

46 SF

1668 SF

ROOM NO.

G104 TICKETS

G105 CONCESSIONS

G106A MECHANICAL

G106B TECHNOLOGY G109 CORRIDOR

G106 WOMEN'S RESTROOM

REMOVE AND REINSTALL EXISTING DEVICE FACEPLATES, SWITCH FACEPLATES, TECHNOLOGY FACEPLATES, AND CLOCKS.

EXISTING ITEMS TO REMAIN AND NEW FINISHES APPLIED AROUND INCLUDE BUT NOT LIMITED TO THERMOSTATS, AND FIRE EXTINGUISHER CABINETS

INSTALL RESILIENT TRANSITION STRIP BETWEEN NEW FLOOR FINISH AND EXISTING FLOOR FINISH. PROVIDE NEW RESILIENT TRANSITION STRIPS AT EXPOSED EDGE OF NEW FLOOR FINISH TO EXISTING

FLOOR FINISH. PAINT ALL SIDES (VERT. AND HORZ.) OF BULKHEAD/SOFFIT COLOR INDICATED (UNO). EXISTING INTERIOR DOOR FRAMES ARE TO REMAIN. DO

PATCH AND REPAIR ALL HOLES AND IMPERFECTIONS, TO RECEIVE NEW FINISHES. PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE TRANSITION SYSTEM BETWEEN CERAMIC MOSAIC FLOOR TILE AND CARPET. NOT USED.

AT BUILDING EXPANSION JOINTS, PROVIDE ALUMINUM JOINT PLATE COVER; SEE A1 SERIES FOR LOCATIONS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION

NOT USED. NOT USED. REFER TO A8S.01 FOR LIST OF FINISHES AND

ADDITIONAL GENERAL NOTES. REFER TO A8S.01 FOR ELEVATOR FINISHES. REFER TO A1 ARCHITECTURAL SERIES FOR ALL WALL MATERIAL TYPES.

COORDINATE CONTROL JOINTS IN CONCRETE FLOOR SLAB WITH STRUCTURAL DRAWINGS. REFER TO A8.21 FOR DEPTH MARKING, NO DIVING, AND BENCH SIGNAGE TILE DETAILS. REFER TO PL SERIES FOR LOCATIONS. NOT USED.

ALL WALLS SCHEDULED TO RECEIVE FDPS SYSTEM MUST BE PRIMED PRIOR TO SYSTEM INSTALLATION. CARMEL HIGH SCHOOL **NATATORIUM ADDITION AND** RENOVATIONS

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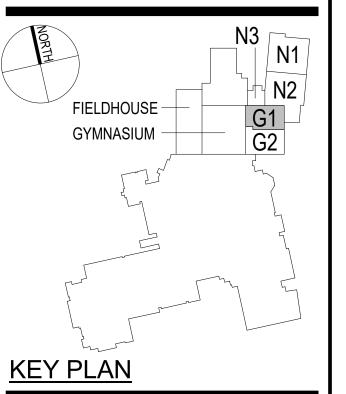
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CARMEL CLAY SCHOOLS

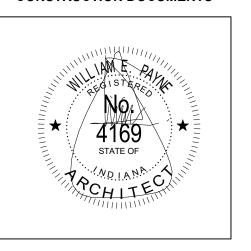


<u>ARCHITECT</u>

WWW.FHAI.COM 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204



CONSTRUCTION DOCUMENTS



DATE

PROJECT MANAGER: CS DRAWN BY: AML

PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021 REV. NO. DESCRIPTION 2 ADDENDUM #2

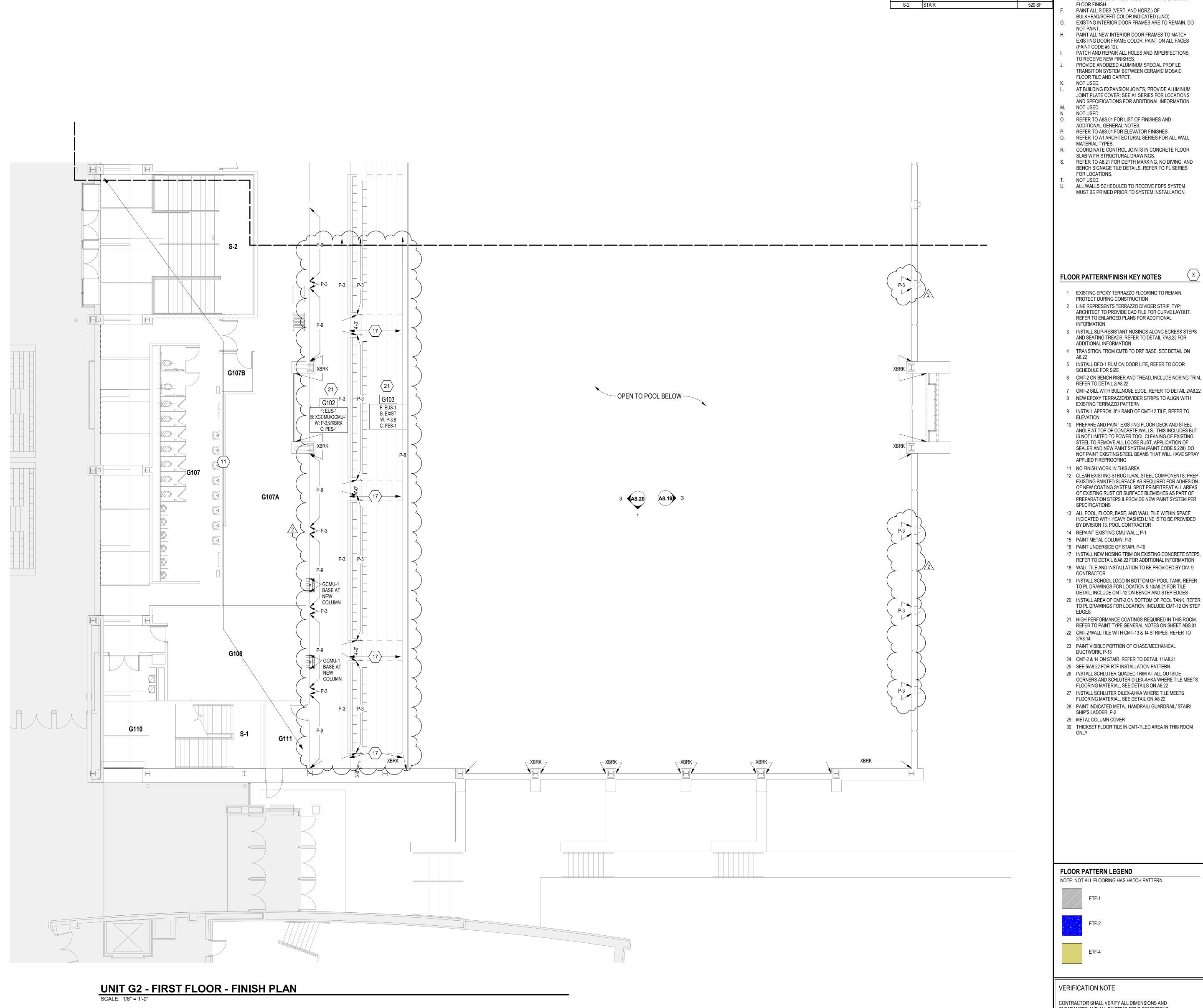
VERIFICATION NOTE

ETF-1

ETF-4

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH **UNIT G1 - UPPER LEVEL FINISH PLAN**



GENERAL FINISH NOTES

ROOM NO.

G102 SEATING CROSS AISLE
G103 POOL SEATING

G107 MEN'S RESTROOM

G107A MECHANICAL
G107B ELECTRICAL
G108 TEAM ROOM

G109 CORRIDOR

G110 PASSAGE

G111 VESTIBULE

S-1 STAIR

ROOM NAME

AREA (SF

2418 SF

691 SF

1668 SF

281 SF

108 SF

231 SF

ROOM LEGEND - FIRST FLOOR UNIT G2 SEALANT SHALL BE APPLIED AT ALL MATERIAL

TRANSITIONS, BACKSPLASHES, AND DOOR FRAMES. ALL LOCATIONS WHERE NEW FINISH ABUTS A DISSIMILAR MATERIAL. REMOVE AND REINSTALL EXISTING DEVICE

FACEPLATES, SWITCH FACEPLATES, TECHNOLOGY FACEPLATES, AND CLOCKS. EXISTING ITEMS TO REMAIN AND NEW FINISHES APPLIED AROUND INCLUDE BUT NOT LIMITED TO

THERMOSTATS, AND FIRE EXTINGUISHER CABINETS INSTÁLL RESILIENT TRANSITION STRIP BETWEEN NEW FLOOR FINISH AND EXISTING FLOOR FINISH.

PROVIDE NEW RESILIENT TRANSITION STRIPS AT EXPOSED EDGE OF NEW FLOOR FINISH TO EXISTING FLOOR FINISH. PAINT ALL SIDES (VERT. AND HORZ.) OF

BULKHEAD/SOFFIT COLOR INDICATED (UNO). EXISTING INTERIOR DOOR FRAMES ARE TO REMAIN. DO

PATCH AND REPAIR ALL HOLES AND IMPERFECTIONS, TO RECEIVE NEW FINISHES. PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE TRANSITION SYSTEM BETWEEN CERAMIC MOSAIC FLOOR TILE AND CARPET.

AT BUILDING EXPANSION JOINTS, PROVIDE ALUMINUM JOINT PLATE COVER; SEE A1 SERIES FOR LOCATIONS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION

REFER TO A8S.01 FOR LIST OF FINISHES AND ADDITIONAL GENERAL NOTES.

REFER TO A1 ARCHITECTURAL SERIES FOR ALL WALL MATERIAL TYPES. COORDINATE CONTROL JOINTS IN CONCRETE FLOOR SLAB WITH STRUCTURAL DRAWINGS. REFER TO A8.21 FOR DEPTH MARKING, NO DIVING, AND BENCH SIGNAGE TILE DETAILS. REFER TO PL SERIES

ALL WALLS SCHEDULED TO RECEIVE FDPS SYSTEM MUST BE PRIMED PRIOR TO SYSTEM INSTALLATION. CARMEL CLAY SCHOOLS

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CARMEL HIGH

NATATORIUM

ADDITION AND

RENOVATIONS

SCHOOL

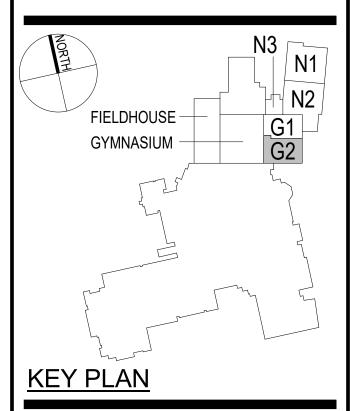
520 E MAIN STREET

CARMEL, IN 46032

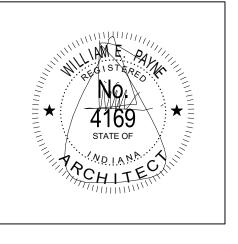




WWW.FHAI.COM 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204



CONSTRUCTION DOCUMENTS



DATE

PROJECT MANAGER: CS DRAWN BY: AML PROJECT NUMBER: 220014.00

PROJECT ISSUE DATE: 12.17.2021

2 ADDENDUM #2

NO. DESCRIPTION

REV.

NOTE: NOT ALL FLOORING HAS HATCH PATTERN

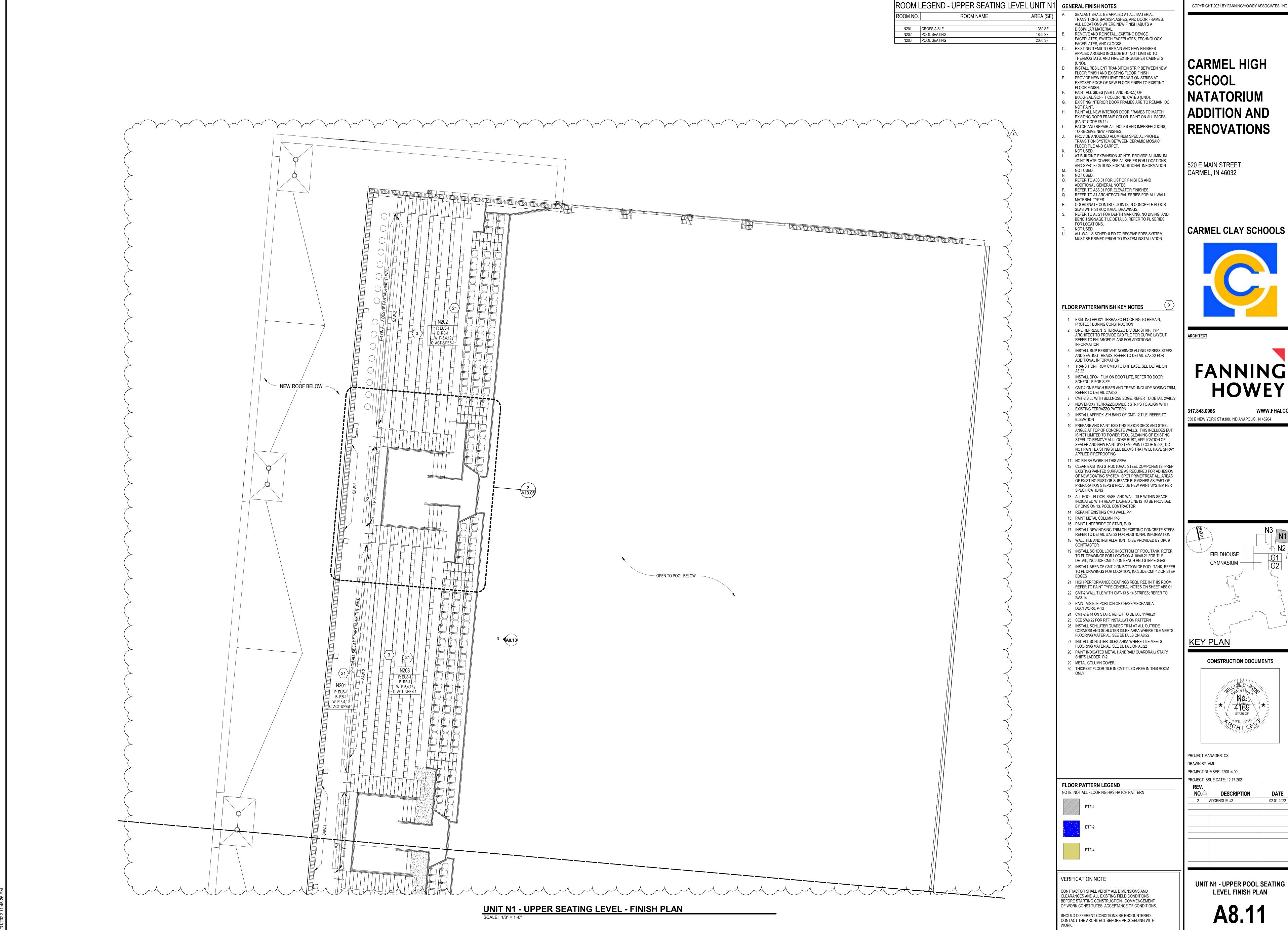
VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS
BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH

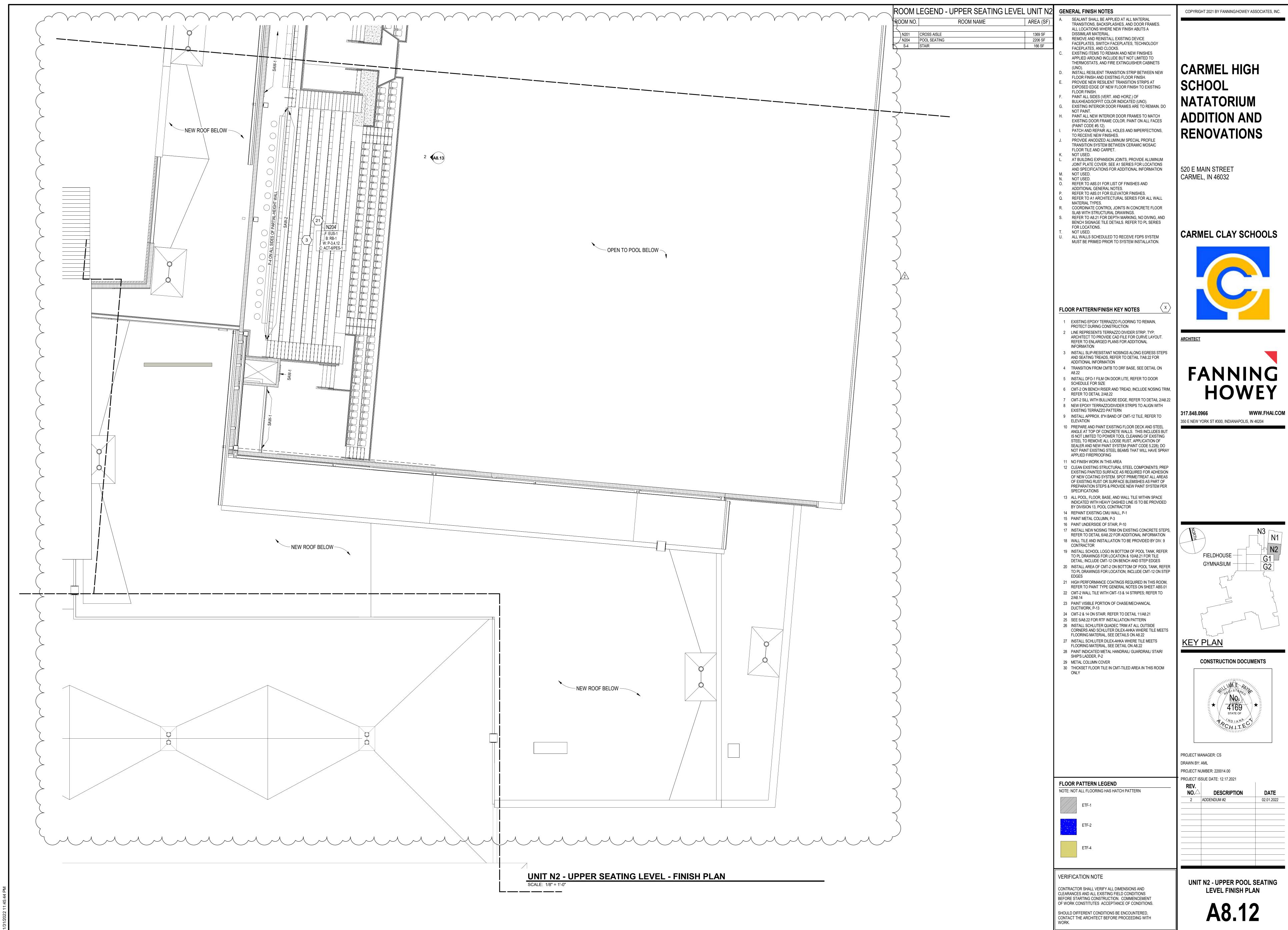
UNIT G2 - UPPER LEVEL FINISH PLAN

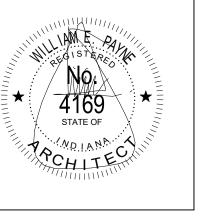
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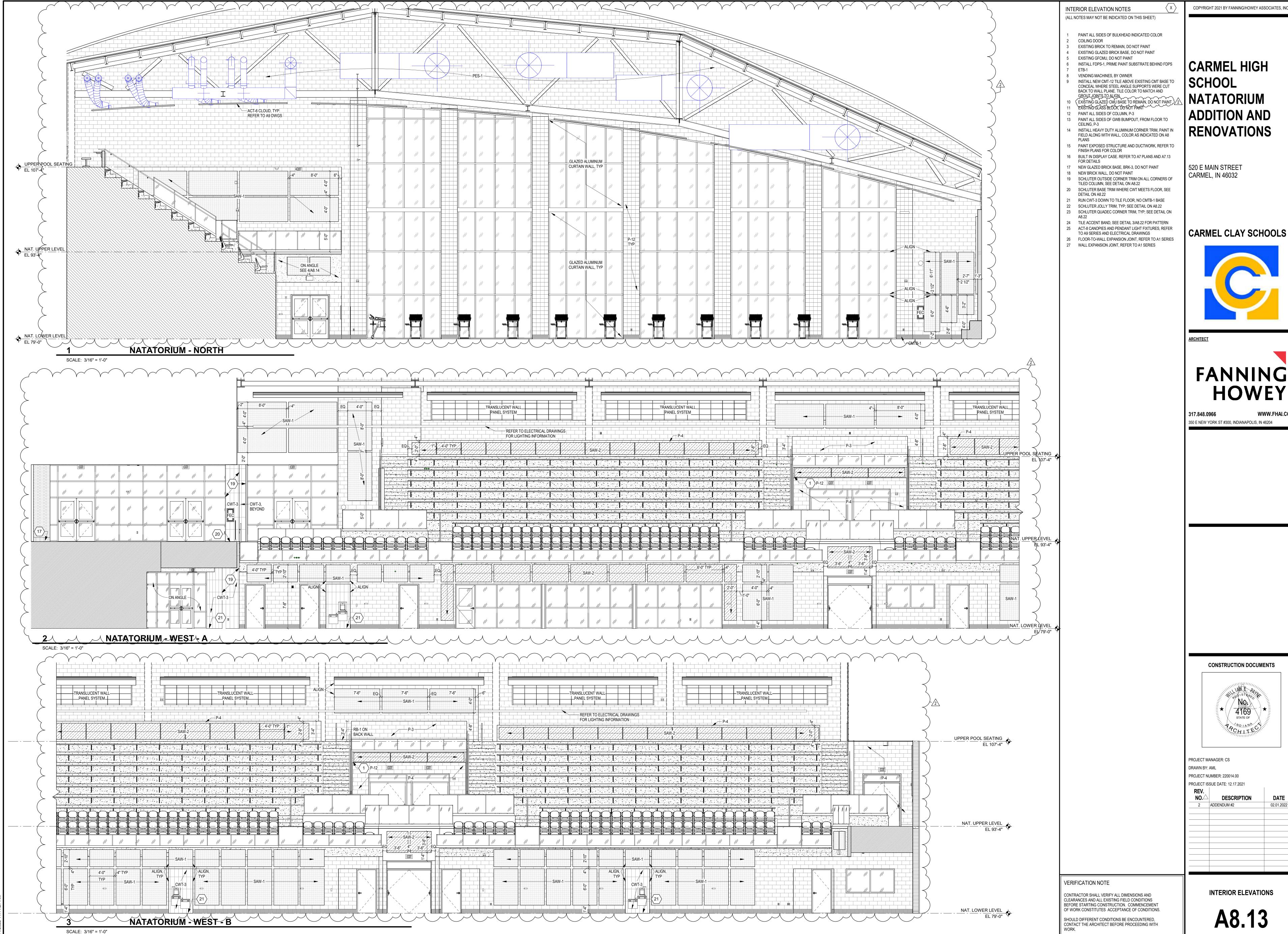




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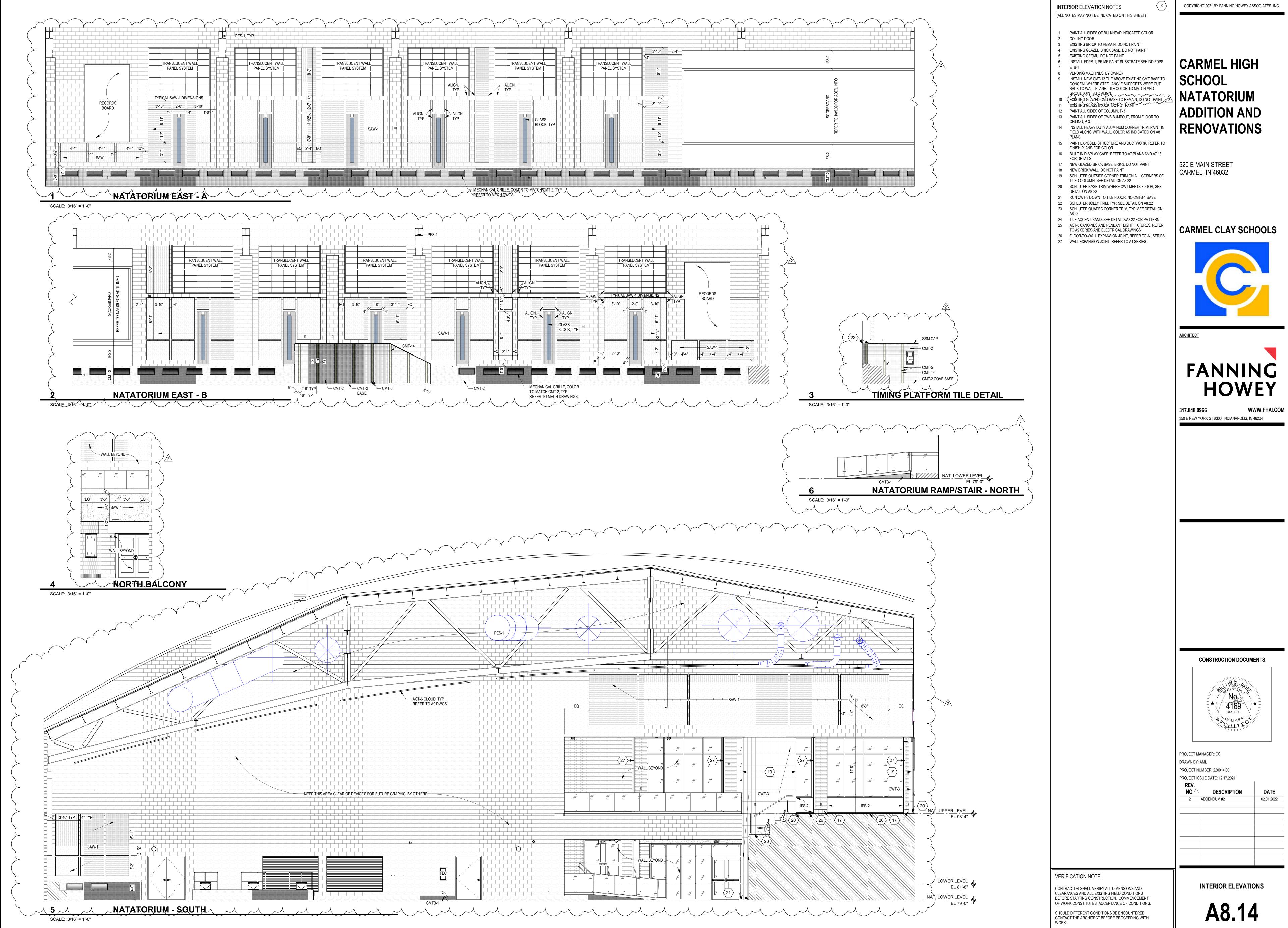


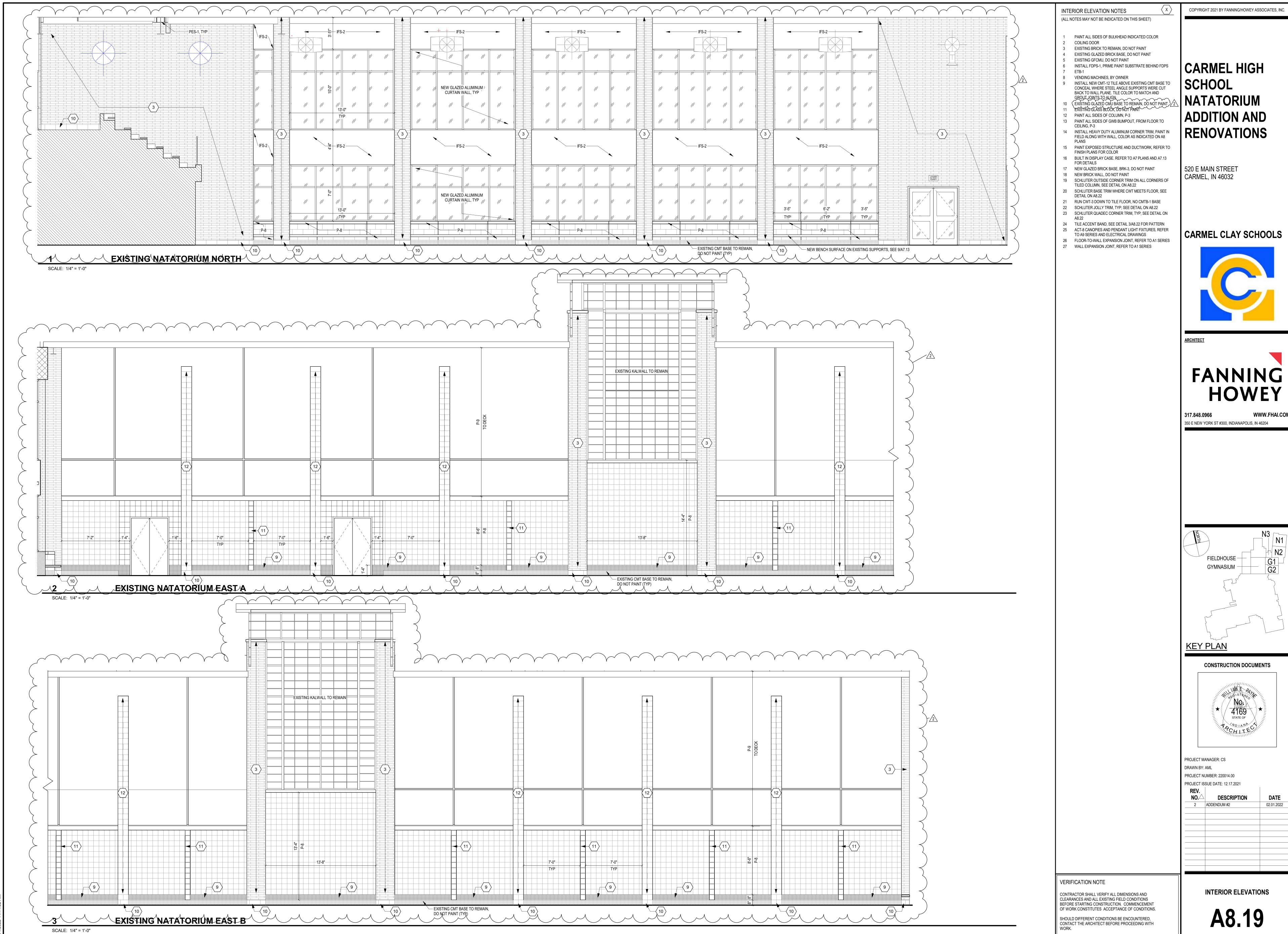






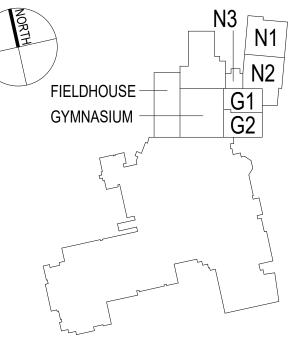
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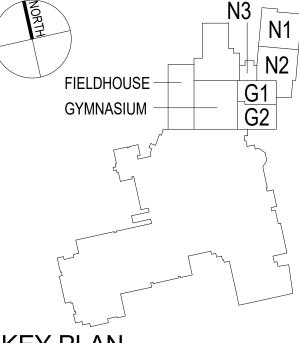






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| 2 | ADDENDUM #2 | 02.01.2022 |
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FLOOR MATERIALS

| CARPET TILE | | |
|-----------------------|------------------------------|----------------------------------|
| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
| CART-1 | JJ FLOORING - STORYLINE 7589 | PLOT TWIST 7589-3013 / 12" X 48" |

ALL CARPET BACKING TO HAVE A MOISTURE RESISTANT BARRIER. INSTALLATION METHOD TO BE ASHLAR.

| CERAMIC MOSAIC TILE | | |
|--|---|--|
| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
| CMT-1 (POOL DECK BLEND) | DALTILE "KEYSTONES" DALTILE "KEYSTONES" | 45% MOONSHINE D117 / 2"X2" 25% DESERT GRAY D014 / 2"X2" |
| | DALTILE "KEYSTONES" | 15% DESERT GRAY SPECKLE D200 / 2"X2 |
| | DALTILE "KEYSTONES" | 5% SUEDE GRAY SPECKLE D208 / 2"X2" |
| | DALTILE "KEYSTONES" | 5% SUEDE GRAY D182 / 2"X2" |
| | DALTILE "KEYSTONES" | 5% GALAXY D023 / 2"X2" |
| OMT O (DENOLIVALIMADEDO) | AMERICAN OLEAN "UNGLAZED COLORBODY" | MATCH DALTILE BLEND |
| CMT-2 (BENCH/NUMBERS) | DALTILE "KEYSTONES" | GALAXY D023 / 2"X2" |
| CMT 2 (DOOL /BORDER) | AMERICAN OLEAN "UNGLAZED COLORBODY" DALTILE "KEYSTONES" | SAPPHIRE SKY R08 / 2"X2" MOONSHINE D117 / 1"X1" |
| CMT-3 (POOL/BORDER) | AMERICAN OLEAN "UNGLAZED COLORBODY" | ICE WHITE A25 / 1"X1" |
| CMT-4 (DEPTH MARKINGS) | DALTILE "KEYSTONES" | GALAXY D023, ABRASIVE / 1"X1" |
| CWT-4 (DEF ITT WARKINGS) | AMERICAN OLEAN "UNGLAZED COLORBODY" | SAPPHIRE SKY R08, ABRASIVE / 1"X1" |
| CMT-5 (POOL BORDER ACCENT) | DALTILE "KEYSTONES" | SUEDE GRAY SPECKLE D208 / 2"X1" |
| OMIT-3 (I GOL BONDEN AGOLINI) | AMERICAN OLEAN "UNGLAZED COLORBODY" | STORM GRAY SPECKLED A06 / 2"X1" |
| CMT-6 (POOL BORDER ACCENT) | DALTILE "KEYSTONES" | SUNSHINE D620 / 1"X1" |
| CMT-7 (POOL LANE LINES) | DALTILE "KEYSTONES" | BLACK D311 / 2"X2" |
| (* * * * = = * * * = * * * * * * * * * | AMERICAN OLEAN "UNGLAZED COLORBODY" | BLACK A34 / 2"X2" |
| CMT-8 (POOL LANE LINES) | DALTILE "KEYSTONES" | SUEDE GRAY D182 / 2"X2" |
| , | AMERICAN OLEAN "UNGLAZED COLORBODY" | STORM GRAY A22 / 2"X2" |
| CMT-9 (POOL BORDER ACCENT) | DALTILE "KEYSTONES" | DESERT GRAY D014 / 2"X2" |
| | AMERICAN OLEAN "UNGLAZED COLORBODY" | TO BE SELECTED / 2"X2" |
| CMT-10 (POOL-15M STARTING) | DALTILE "KEYSTONES" | GROUP 4, TO BE SELECTED / 2"X2" |
| | AMERICAN OLEAN "UNGLAZED COLORBODY" | GROUP 4, TO BE SELECTED / 2"X2" |
| CMT-11 (POOL-15M TURN) | DALTILE "KEYSTONES" | GROUP 4, TO BE SELECTED / 2"X2" |
| | AMERICAN OLEAN "UNGLAZED COLORBODY" | GROUP 4, TO BE SELECTED / 2"X2" |
| CMT-12 (EXISTING POOL WALL) | DALTILE "KEYSTONES" | CASTLEROCK D618 / 2"X2" |
| | AMERICAN OLEAN "UNGLAZED COLORBODY" | CHARCOAL A33 / 2"X2" |
| CMT-13 (RR) | DALTILE "KEYSTONES" | SUEDE GRAY SPECKLE D208 / 2"X2" |
| ONAT 44 (A COENIT) | AMERICAN OLEAN "UNGLAZED COLORBODY" | STORM GRAY SPECKLED A06 / 2"X2" |
| CMT-14 (ACCENT) | DALTILE "KEYSTONES" | SUNSHINE D620 / 2"X2" |

DECORATIVE RESINOUS FLOORING

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|-----------------------|---|---|
| DRF-1 | GENERAL POLYMERS CERAMIC CARPET KEY RESIN COMPANY DUR-A-FLEX INC. | TO MATCH EXISTING LOWER LEVEL UNIT G LOCKER ROOMS |
| | | |

ENTRANCE CARPET TILE

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|-----------------------|-----------------------|-----------------|
| ECT-1 | INTERFACE - SR899 | 104931 GRANITE |
| EPOXY TERRAZZO FLOO | RING | |

MATERIAL ABBREVIATION MATERIAL/MANUFACTURER

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|-----------------------|-------------------------|--|
| ETF-1 (GRAY) | REFER TO SPECIFICATIONS | 35% DEMARCO BLUE #2, 35% DEMARCO BLUE #1, 10% DEMARCO BLUE #0, 5% MISSOURI BOTTICINO #2, 5% MISSOURI BOTTICINO #1, 5% MISSOURI BOTTICINO #0, 5% OXBLOOD #0 MATRIX: TERROXY - DAUPHIN GRAY 13B-2T |
| ETF-2 (BLUE) | REFER TO SPECIFICATIONS | TO MATCH EXISTING, SIMILAR TO: 35% NORTH CAROLINA BLUE GRAY #1, 40% NORTH CAROLINA BLUE GRAY #0, 5% OXBLOOD #0, 5% MISSOURI BOTTICINO #1, 5% MISSOURI BOTTICINO #0, 5% GEORGIA WHITE #0 MATRIX: TERROXY - COSMIC NAVY 76A-1A |

ETF-4 (GOLD) REFER TO SPECIFICATIONS

REFER TO SPECIFICATIONS

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. COORDINATE COLOR SELECTION/VERIFICATION WITH ARCHITECT.

MANUFACTURER TO SUBMIT ACTUAL PRODUCT SAMPLES AFTER SELECTION OF ALL ETF COLORS FOR VERIFICATION AND APPROVAL.

33% GEORGIA WHITE #2, 33% GEORGIA WHITE #1,

MATRIX: TERROXY - GOURMET MUSTARD

33% GEORGIA WHITE #0

MATRIX: GP - 654 WHITE

100% CLEAR GLASS #1

| | FLOOR SEALER |
|---|--------------|
| • | |

ETF-3 (WHITE)

| _ | MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION | |
|---|------------------------|-------------------------|-----------------|--|
| | FS-1 | REFER TO SPECIFICATIONS | CLEAR | |
| | FLUID APPLIED EPOXY/UF | RETHANE FLOORING | | |
| | MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION | |
| | EUS-1 | REFER TO SPECIFICATIONS | CLEAR | |

LUXURY VINYL TILE

MATERIAL ABBREVIATION MATERIAL/MANUFACTURER **COLOR SELECTION** MANNINGTON - NATURE'S PATHS ABSTRACT RAINFALL MIST 12310 / 18" X 36" PLANK / 2.5MM THICK

PORCELAIN FLOOR TILE

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|-----------------------|-----------------------|-------------------------------------|
| PT-1 | DALTILE / FABRIC ART | MODERN LINEAR TAUPE ML62 (12"X24") |
| PT-2 | DALTILE / FABRIC ART | MODERN TEXTILE TAUPE MT52 (12"X24") |

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION / SIZE |
|---------------------------|-----------------------------------|--------------------------|
| RFT-1 | JOHNSONITE / MESTO CONFIGURATIONS | TO BE SELECTED / 12"X24" |
| RFT-2 | JOHNSONITE / MESTO CONFIGURATIONS | TO BE SELECTED / 24"X24" |
| RFT-3 | JOHNSONITE / MESTO CONFIGURATIONS | TO BE SELECTED / 12"X24" |
| RFT-4 | JOHNSONITE / MESTO CONFIGURATIONS | TO BE SELECTED / 24"X24" |
| RFT-5 | JOHNSONITE / MESTO CONFIGURATIONS | TO BE SELECTED / 12"X12" |
| RFT-6 | JOHNSONITE / MESTO CONFIGURATIONS | TO BE SELECTED / 12"X24" |

RESILIENT STAIR ACCESSORIES

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|-----------------------|--|---|
| RSA-1 | JOHNSONITE / ANGLE FIT STAIR TREADS WITH INTEGRATED RISER | VIHNTR / COLOR TO BE SELECTED / HAMMERED TEXTURE VISUALLY IMPAIRED GRIT TAPE INSERT |

JOHNSONITE / MESTO CONFIGURATIONS TO BE SELECTED / 12"X12"

VINYL CUSHIONED TUFTED TILE

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|-----------------------|-----------------------|-------------------------|
| VCTT-1 | FORBO "FLOTEX" | 142014 MARINE / 10"X40" |

BASE MATERIALS

| - | | | |
|---|-----------------------|---|--|
| | GLAZED BRICK BASE | | 8"H BRICK BASE (3 BRICKS HIC |
| | MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
| | BRK-3 | GLEN-GERY BRICK | G437 PEWTER GRAY / MODULAR |
| | CERAMIC MOSAIC TILE E | BASE | 8"H COVE BA |
| | MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
| | CMTB-1 | DALTILE "KEYSTONES" | DESERT GRAY D014 / 2"X2" |
| | CMTB-2 | AMERICAN OLEAN "UNGLAZED COLORBODY" DALTILE "KEYSTONES" | LIGHT SMOKE A43 / 2"X2" SUEDE GRAY SPECKLE D208 / 2"X2" |

AMERICAN OLEAN "UNGLAZED COLORBODY" STORM GRAY SPECKLED A06 / 2"X2" SEE A8.22 FOR CMTB DETAILS PRE-CAST EPOXY TERRAZZO BASE 8"H STRAIGHT BASE MATERIAL ABBREVIATION MATERIAL/MANUFACTURER **COLOR SELECTION** ETB-1 (WHITE) REFER TO SPECIFICATIONS MATCH ETF-3 ETB-2 (BLUE) REFER TO SPECIFICATIONS MATCH ETF-2

| _ | MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION | |
|------------|-----------------------|-----------------------|-----------------|----------------|
| | RB-1 | JOHNSONITE | TO BE SELECTED | |
| | | FLEXCO | TO BE SELECTED | |
| | | ROPPE | TO BE SELECTED | |
| \ _ | | MANNINGTON | TO BE SELECTED | |
| <u>,</u> [| | | | |
| | DECORATIVE RESINOUS | FLOORING BASE | | 6"H INTEGRAL E |

| | MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION | |
|----|-----------------------|-----------------------|-----------------|-------------|
| کہ | DRF-1 | MATCH DREAFEOORING | | |
| 2 | GLAZED CONCRETE MA | SONRY UNIT | | 8"H NOMINAL |
| | MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION | |
| \ | GCMU-1 | MATCH EXISTING | | |

WALL FINISHES

RESILIENT BASE

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|--|---|---|
| BRK-1 (INT./EXT.) BRK-2 (EXT. ONLY) | MATCH EXISTING TO BE SELECTED | MATCH EXISTING TO BE SELECTED |
| CERAMIC WALL TILE | | |
| OLIVAINIO WALL IILL | | |
| | MATERIAL/MANUFACTURER | COLOR SELECTION |
| MATERIAL ABBREVIATION CWT-1 | MATERIAL/MANUFACTURER DALTILE / COLOR WHEEL LINEAR | COLOR SELECTION K175 BISCUIT (4.25" X 12.875") |
| MATERIAL ABBREVIATION | | |

| | FRAMED DECOR | RATIVE PANEL SYSTEM | | |
|---|--------------------|---|--|---------|
| | • PROVIDE METAL CO | VE TRIM AT FLOOR TO WALL AND INSIDE CORNER WALL 1 | O WALL TRANSITIONS, TYPICAL UNLESS NOTED C | THERWIS |
| | CWT-4 | DALTILE / COLOR WHEEL LINEAR | 1012 MUSTARD (4.25" X 12.875") | |
| _ | CWT-3 | DALTILE / COLOR WHEEL LINEAR | 1174 SEA BREEZE (8" X 24") | |
| | | | | |

COLOR SELECTION

TO BE SELECTED

TO BE SELECTED

TO BE SELECTED

SW6258 TRICORN BLACK

SW9166 DRIFT OF MIST

MATERIAL/MANUFACTURER

SHERWIN WILLIAMS

SHERWIN WILLIAMS

SHERWIN WILLIAMS

SHERWIN WILLIAMS

SHERWIN WILLIAMS

| | FDPS-1 | MARLITE / SIEVA LARGE PANEL SYSTEM | WILSONART SATIN STAINLESS 4830K-18 LINEARITY NEVAMAR SILVER ALU METALX TEXTURED MXT003 ^T ARBORITE BRUSHED ALUMINUM P623 MX |
|---|--|---|--|
| | PAINT | | |
| , | MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|] | P-1 (FIELD) P-2 (DOOR FRAMES) P-3 (CARMEL BLUE) P-4 (CARMEL GOLD) P-5 (CEILINGS-LIGHT) P-6 (RESTROOM) P-7 (NEUTRAL ACCENT) P-8 (EXIST NATATORIUM) P-9 (EXIST NATATORIUM) P-10 (DISPLAY CASE) | BENJAMIN MOORE SHERWIN WILLIAMS BENJAMIN MOORE SHERWIN WILLIAMS SHERWIN WILLIAMS PPG SHERWIN WILLIAMS SHERWIN WILLIAMS SHERWIN WILLIAMS SHERWIN WILLIAMS SHERWIN WILLIAMS | BM 855 CLOUD COVER SW7069 IRON ORE BM 2064-20 PATRIOT BLUE TO BE SELECTED TO BE SELECTED PPG1000-2 ROCKY ROAD TO BE SELECTED |

| PORCELAIN WALL TILE |
|---------------------|
|---------------------|

P-11 (STAIRS)

P-13 (CHASE)

P-14 (OFFICES)

P-15 (ABOVE FDPS)

P-12 (NATATÓRIUM)

MATERIAL ABBREVIATION

| _ | MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|----------------------------|-----------------------|--|--|
| _ | PWT-1 | VIVA "300" | NATURALE RETT / 7-7/8" X 47-1/4" |
| SOUND ABSORBING WALL UNITS | | | |
| _ | MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
| | SAW-1 SAW-2 | GORDON "PATTERN C BAFFLE/PERFORATED" GORDON "PATTERN C BAFFLE/PERFORATED" | TO BE SELECTED / 2" THICK TO BE SELECTED / 2" THICK |

INTERIOR FINISH SYSTEM

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|-----------------------|-------------------------|--|
| IFS-2 | REFER TO SPECIFICATIONS | TO BE SELECTED FROM MANUFACTURER'S STANDARD COLORS |

MISCELLANEOUS FINISHES

INTERIOR FRP DOORS

COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD FINISHES.

INTERIOR WOOD DOORS/ INTERIOR WOOD TRIM

STAIN ALL WOOD DOORS TO MATCH EXISTING WOOD DOORS. WOOD SPECIES TO BE PLAIN-SLICED RED OAK, STAIN TO MATCH VT INDUSTRIES SERENGETI PROVIDE WOOD STAIN SAMPLES FOR VERIFICATION.

MATERIAL/MANUFACTURER **COLOR SELECTION** MATERIAL ABBREVIATION GT-1 (CMT) ARCHITECT TO SELECT FROM LATICRETE MANUFACTURER'S FULL RANGE OF STANDARD AND DESIGNER COLORS GT-2 (TILED BENCH) LATICRETE ARCHITECT TO SELECT FROM MANUFACTURER'S FULL RANGE OF STANDARD AND DESIGNER COLORS GT-3 (CWT) LATICRETE ARCHITECT TO SELECT FROM MANUFACTURER'S FULL RANGE OF STANDARD AND DESIGNER COLORS ARCHITECT TO SELECT FROM GT-4 (PWT) LATICRETE MANUFACTURER'S FULL RANGE OF STANDARD AND DESIGNER COLORS

ARCHITECT TO SELECT FROM

MANUFACTURER'S FULL RANGE

OF STANDARD AND DESIGNER COLORS

STANDARD COLORS

RESILIENT MOLDING ACCESSORIES

GT-5 (POOL)

4"H COVE BASE

| L | | | |
|---|-----------------------|-----------------------|-----------------|
| | MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
| | RMA-1 | JOHNSONITE | TO BE SELECTED |
| | | FLEXCO | TO BE SELECTED |
| | | ROPPE | TO BE SELECTED |
| | | MANNINGTON | TO BE SELECTED |

LATICRETE

CEILING MATERIALS

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|--------------------------|--|--|
| ACT-1A (LOBBY) | ARMSTRONG / TORSION SPRING SHAPES | STANDARD, TO BE SELECTED |
| , | #8216R01M1XXX | FLAT SQUARE, M21 PERFORATION |
| ACT-1B (LOBBY) | ARMSTRONG / TORSION SPRING SHAPES | STANDARD, TO BE SELECTED |
| - (-) | #8219T01M1XXX | 45 DEGREE TRIANGLE 01, M21 PERFORATION |
| ACT-1C (LOBBY) | ARMSTRONG / TORSION SPRING SHAPES | STANDARD, TO BE SELECTED |
| (=====) | #8219T02M1XXX | 45 DEGREE TRIANGLE 02, M21 PERFORATION |
| ACT-2 (OFFICES) | ARMSTRONG / OPTIMA 3354 | WHITE / 24" X 24" |
| ACT-3 (STORAGE) | ARMSTRONG / SCHOOL ZONE FINE FISSURED 1713 | WHITE / 24" X 24" |
| ACT-4 (CORRIDORS) | ARMSTRONG / TORSION SPRING | WHITELUME WHA / 24" X 72" |
| (| M15 PERFORATION | INCLUDE 7147 EXTRUDED PERIMETER TRIM |
| ACT-5 (RESTROOM) | ARMSTRONG / TUNDRA 301 | WHITE / 24" X 24" |
| ACT-6 (NATATORIUM) | CERTAINTEED / 300C LINEAR PLANK | STANDARD POWDER-COAT PAINT COLOR |
| (() | PATTERN #160 PERFORATION | INCLUDE ACQUSTICAL POLYWRAPPED FIBERGLASS |
| | | (ÎNCLUDE 4"H PERÎMETER TRÎM) |
| ACT-7 (CONCESSION) | ARMSTRONG / KITCHEN ZONE 673 | WHITEY 24 x 24 |
| ACT-8 (ACCENT CANOPIES) | 3-FORM / SHAPES / ALTA | ONE SHAPE TO BE VARIA SOLID COLOR (TRANSLUCENT) |
| (| RTA 400.12 - INCLUDES MOUNTING HARDWARE | ONE SHAPE TO BE VARIA COLORWEAVE/INTERLAYER PA |
| ACT-9 (NATATORIUM) | ARMSTRONG / CERAMAGUARD FINE FISSURED 607 | WHITE / 24" X 24" |
| ACT-10 (CORRIDOR CLOUDS) | ARMSTRONG / OPTIMA 3354 | WHITE / 24" X 24" / INCLUDE 4"H AXIOM PERIMETER TRIM |

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION | |
|-----------------------|-------------------------|-----------------|--|
| PES-1 | REFER TO SPECIFICATIONS | TO BE SELECTED | |
| PES-2 | REFER TO SPECIFICATIONS | TO BE SELECTED | |

| L | | | |
|---|-----------------------|-----------------------|-------------------------------|
| | MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
| _ | 150.4 | DEED TO OPENION TIONS | TO DE CEL FOTED FDOM MANUELOS |

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|--------------------------|--|---|
| ACT-1A (LOBBY) | ARMSTRONG / TORSION SPRING SHAPES | STANDARD, TO BE SELECTED |
| , | #8216R01M1XXX | FLAT SQUARE, M21 PERFORATION |
| ACT-1B (LOBBY) | ARMSTRONG / TORSION SPRING SHAPES | STANDARD, TO BE SELECTED |
| , | #8219T01M1XXX | 45 DEGREE TRIANGLE 01, M21 PERFORATION |
| ACT-1C (LOBBY) | ARMSTRONG / TORSION SPRING SHAPES | STANDARD, TO BE SELECTED |
| , | #8219T02M1XXX | 45 DEGREE TRIANGLE 02, M21 PERFORATION |
| ACT-2 (OFFICES) | ARMSTRONG / OPTIMA 3354 | WHITE / 24" X 24" |
| ACT-3 (STORAGÉ) | ARMSTRONG / SCHOOL ZONE FINE FISSURED 1713 | WHITE / 24" X 24" |
| ACT-4 (CORRIDORS) | ARMSTRONG / TORSION SPRING | WHITELUME WHA / 24" X 72" |
| , | M15 PERFORATION | INCLUDE 7147 EXTRUDED PERIMETER TRIM |
| ACT-5 (RESTROOM) | ARMSTRONG / TUNDRA 301 | WHITE / 24" X 24" |
| ACT-6 (NATATORIUM) | CERTAINTEED / 300C LINEAR PLANK | STANDARD POWDER-COAT PAINT COLOR |
| | PATTERN #160 PERFORATION | INCLUDE ACQUISTICAL POLYWRAPPED FIBERGLASS |
| | | (INCLUDE 4"H PERIMETER TRIM) 2 |
| ACT-7 (CONCESSION) | ARMSTRONG / KITCHEN ZONE 673 | WHITE 7 24" X 24" |
| ACT-8 (ACCENT CANOPIES) | 3-FORM / SHAPES / ALTA | ONE SHAPE TO BE VARIA SOLID COLOR (TRANSLUCENT) |
| | RTA 400.12 - INCLUDES MOUNTING HARDWARE | ONE SHAPE TO BE VARIA COLORWEAVE/INTERLAYER PATTE |
| ACT-9 (NATATORIUM) | ARMSTRONG / CERAMAGUARD FINE FISSURED 607 | WHITE / 24" X 24" |
| ACT-10 (CORRIDOR CLOUDS) | ARMSTRONG / OPTIMA 3354 | WHITE / 24" X 24" / INCLUDE 4"H AXIOM PERIMETER TRIM |
| | | |

PAINT EXPOSED STRUCTURE

INTERIOR FINISH SYSTEM

| MATERIAL ABBREVIATION | MATERIAL/MANUFACTURER | COLOR SELECTION |
|-----------------------|-------------------------|------------------------------------|
| IFS-1 | REFER TO SPECIFICATIONS | TO BE SELECTED FROM MANUFACTURER'S |

MATERIAL & FINISH GENERAL NOTES

REFER TO FINISH PLAN DRAWINGS AND DETAILS (A8 SERIES) FOR MATERIALS, PATTERNS AND COLORS. REFER TO A7S.01 LIST OF FINISHES FOR ADDITIONAL FINISHES NOT NOTED ON A8S.01.

ELEVATOR CAB TO BE PLASTIC LAMINATE, PL-1, WITH VINYL CUSHIONED TUFTED TILE, VCTT-1, FLOORING.

CENTER FLOORING TILE AND PATTERN IN ROOM UNLESS OTHERWISE INDICATED ON FINISH PLANS. ALIGN EDGE OF FINISHED FLOOR MATERIAL WITH EDGE OF WALL OR CASEWORK.

- CHANGES FROM ROOM TO ROOM. EXTEND FLOOR MATERIAL AND PATTERN UNDER ALL OPEN TO THE FLOOR CASEWORK AND FURNITURE. COORDINATE CONTROL JOINTS IN CONCRETE SLAB WITH STRUCTURAL DRAWINGS AND FINISH FLOORING INSTALLER.
- REFER TO FLOOR PLANS, RESTROOM ENLARGED PLANS, PLUMBING DRAWINGS, ETC. FOR FLOOR DRAIN LOCATIONS. TERRAZZO STAIRS TO HAVE ABRASIVE GRIT STRIP AT NOSING. PAINT STRINGERS P-11. SEE DETAIL ON AXX.XX. AT BUILDING EXPANSION JOINTS (IF APPLICABLE) PROVIDE PRE-FABRICATED MOVEMENT PROFILE SYSTEM IN MORTAR BED. PROVIDE SCHLUTER DILEX-EDP OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.

FLOOR FINISH MATERIAL TRANSITIONS SHALL OCCUR UNDER THE CENTER OF THE DOOR UNLESS OTHERWISE INDICATED, WHERE THE FLOORING MATERIAL

ALL CERAMIC MOSAIC TILE FLOORS TO HAVE 8"H CERAMIC MOSAIC TILE COVE BASE (BUILT-UP) UNLESS OTHERWISE INDICATED.

- COLOR OF 8"H CERAMIC MOSAIC COVE BASE TO BE CMT-1 OR CMT-2 AS INDICATED. REFER TO FINISH PLANS AND DRAWING A8.22 FOR ADDITIONAL INFORMATION. GROUT AT ALL CERAMIC MOSAIC TILE LOCATIONS TO BE GT-1 OR GT-2 AS INDICATED. GROUT INSIDE COMPETITION, THERAPY, AND DIVING POOLS TO BE GT-5.
- AT BUILDING EXPANSION JOINTS, PROVIDE PRE-FABRICATED MOVEMENT PROFILE SYSTEM AT CMT FLOORING. PROVIDE SCHLUTER DILEX-AKWS OR APPROVED EQUAL. TYPICAL
- PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE TRANSITION SYSTEM BETWEEN CERAMIC MOSAIC FLOOR TILE AND VINYL CUSHION TUFTED TILE. PROVIDE SCHLUTER RENO-TK
- FIELD TILE INSIDE COMPETITION POOL TO BE CMT-3. LANE MARKING TILES TO BE AS FOLLOWS:
- MAIN COURSE LINES (50m): CMT-7 & 8 CROSS COURSE LINES: CMT-7 & 8
- 15m LANE MARKINGS: CMT-10

STEP EDGE MARKINGS: CMT-12

- H. FIELD TILE INSIDE THERAPY POOL TO BE CMT-3. ADDITIONAL COLORS AS FOLLOWS: a. STEP EDGE/BENCH EDGE MARKINGS: CMT-12
 - SCHOOL "C" LOGO: CMT-2 WITH CMT-14 OUTLINE
- FIELD TILE INSIDE DIVING TANK TO BE CMT-3. ADDITIONAL COLORS AS FOLLOWS:
- a. DIVING AREA AT BOTTOM OF TANK: CMT-2 J. FIELD TILE ON POOL DECK TO BE CMT-1, CUSTOM TILE BLEND. ADDITIONAL COLORS AS FOLLOWS:
- LANE NUMBERS: CMT-2 DEPTH MARKINGS/WARNINGS: CMT-4

c. SEE A8.21 FOR ADDITIONAL DECORATIVE TILE DETAILS

CERAMIC WALL TILE

A. GROUT AT ALL CERAMIC WALL TILE LOCATIONS TO BE GT-3 AS INDICATED.

PORCELAIN WALL TILE A. GROUT AT ALL PORCELAIN WALL TILE LOCATIONS TO BE GT-4 AS INDICATED.

WALL BASE

A. RUBBER BASE (RB-1) TO BE INSTALLED AT ALL LUXURY VINYL TILE (LVT) LOCATIONS, CARPET TILE LOCATIONS, AND IN ROOMS WITH FLOOR SEALER WHERE INDICATED. ALL RB

BRICK BASE (BRK-3), 3 BRICKS HIGH, TO BE INSTALLED AT ALL NEW BRICK WALL LOCATIONS, UNLESS NOTED OTHERWISE. PRECAST EPOXY TERRAZZO BASE, 8"H, TO BE INSTALLED WHERE INDICATED ON FINISH PLANS.

PAINT & STAIN

A. PAINT ALL GWB AND CMU WALLS UNLESS OTHERWISE INDICATED ON FINISH PLANS.

PAINT ALL GWB AND CMU WALLS UNLESS OTHERWISE INDICATED ON FINISH PLANS. B. DO NOT PAINT NEW OR EXISTING BRICK OR GROUND FACE MASONRY UNITS.

PAINT TYPE GENERAL NOTES

- UNDER SECTION 099123 INTERIOR PAINTING, PAINT EXPOSED PIPES, DUCTWORK, BREACHING, CONDUIT, INSULATED PIPES, CONDUIT HANGERS, SUPPORTS, BRACING, ETC.,
- WHICH OCCURS IN SPACES DESIGNATED TO BE PAINTED IN PART OR WHOLE. ALL GYPSUM BOARD WALLS SHALL BE PAINTED WITH INTERIOR PAINT TYPE #9.23 (SEMI-GLOSS) UNLESS OTHERWISE INDICATED. ALL GYPSUM BOARD CEILINGS AND SOFFITS SHALL BE PAINTED WITH PAINT TYPE #9.21 (FLAT) UNLESS OTHERWISE INDICATED.
- PAINT ALL NON-INTEGRALLY COLORED CMU WALLS WITH INTERIOR PAINT TYPE #4.14 (SEMI-GLOSS), UNLESS OTHERWISE INDICATED. IN THE FOLLOWING ROOMS PAINT WITH PAINT CODE #4.224 (EPOXY-SEMI-GLOSS): ALL CORRIDORS AND LOCKER ROOMS. REFER TO SECTION 099600 - HIGH PERFORMANCE
- IN THE FOLLOWING ROOMS PAINT WITH PAINT CODE #4.225 (ACRYLIC-SEMI-GLOSS): ALL ROOMS IN POOL ENVIRONMENT, SEE LIST BELOW. REFER TO SECTION 099600 HIGH
- PERFORMANCE COATINGS. IN THE FOLLOWING ROOMS, EXPOSED STEEL (FERROUS) STRUCTURE SHALL BE PAINTED INTERIOR PAINT TYPE #5.11: CORRIDORS NOT IN POOL ENVIRONMENT
- ALL FERROUS METAL (EXCLUDING STRUCTURE) SHALL BE PAINTED INTERIOR PAINT TYPE #5.12.
- ALL FERROUS METAL (EXCLUDING STUCTURE) PREVIOUSLY PAINTED WITH OIL BASED PAINT SHALL BE PAINTED INTERIOR PAINT TYPE #5.13. ALL STEEL COLUMNS AND BEAMS SHALL BE PAINTED INTERIOR PAINT TYPE #5.222 (EPOXY) UNLESS NOTED OTHERWISE. **DO NOT USE IN POOL ENVIRONMENT** ALL STEEL STAIR STRINGERS AND STAIR ASSEMBLIES SHALL BE PAINTED INTERIOR PAINT TYPE #5.223 (URETHANE) UNLESS NOTED OTHERWISE. DO NOT USE IN POOL
- IN THE FOLLOWING ROOMS, STEEL JOISTS SHALL BE PAINTED INTERIOR PAINT TYPE #5.224: **POOL ENVIRONMENT**
- IN THE FOLLOWING ROOMS, MISC. STEEL SHALL BE PAINTED INTERIOR PAINT TYPE #5.225: POOL ENVIRONMENT IN THE FOLLOWING ROOM, PREVIOUSLY PAINTED STEEL STRUCTURE SHALL BE REPAINTED INTERIOR PAINT TYPE #5.227: G024 EXISTING NATATORIUM
- ALL EXPOSED GALVANIZED-METAL STRUCTURE SHALL BE PAINTED INTERIOR PAINT TYPE #5.31 UNLESS NOTED OTHERWISE. DO NOT USE IN POOL ENVIRONMENT ALL GALVANIZED METAL (EXCLUDING STRUCTURE) SHALL BE PAINTED INTERIOR PAINT TYPE #5.32.
- ALL ROOF DECK GALVANIZED STEEL SHALL BE PAINTED INTERIOR PAINT TYPE #5.321. IN THE FOLLOWING ROOMS, PAINT GALVANIZED STEEL RAILINGS INTERIOR PAINT TYPE #5.323: POOL ENVIRONMENT
- ALL OTHER GALVANIZED STEEL TO BE INTERIOR PAINT TYPE #5.322 ALL PIPE AND DUCT INSULATION SHALL BE PAINTED INTERIOR PAINT TYPE #10.11.
- ALL ALUMINUM DUCTWORK SHALL BE PAINTED INTERIOR PAINT TYPE #10.12. THE POOL ENVIRONMENT FOR SPECIAL COATINGS, MATERIALS, AND TREATMENTS INCLUDES THE COMPETITION POOL SPACE, POOL DECK, POOL EQUIPMENT ROOM, POOL STORAGE ROOMS, SPECTATOR SEATING AREAS AND ADJACENT SPACES WITHIN THE SPACE ENCLOSURE. ROOM NUMBERS ARE AS FOLLOWS: NO.13, NO.21, NO.21A, NO.22, NO.27, N029, N030, N035, N036, N036A, N036B, N037, N039, N102, N104, N107, N109, N201, N202, N203, N204, G023, G024, G102, AND G103.

PAINT COLOR GENERAL NOTES

- ALL INTERIOR WALLS THAT RECEIVE PAINT SHALL BE PAINTED P-1, UNLESS OTHERWISE INDICATED ON FINISH PLANS OR INTERIOR ELEVATIONS. PAINT ALL EXPOSED STEEL ON STAIRS, RAILS, AND STRINGERS P-11.
- PAINT ALL GWB SOFFITS P-1 UNLESS OTHERWISE NOTED ON FINISH PLANS OR INTERIOR ELEVATIONS. PAINT ALL SIDES (HORIZ, AND VERT.) OF SOFFIT INDICATED COLOR, UNLESS OTHERWISE NOTED.
- PAINT ALL PAINTED EXPOSED CEILINGS AND GYPSUM BOARD CEILINGS P-5 UNLESS OTHERWISE NOTED ON FINISH PLANS, CEILING PLANS, OR INTERIOR ELEVATIONS. ALL INTERIOR HOLLOW METAL FRAMES AND DOOR FRAMES TO BE PAINTED P-2 UNLESS OTHERWISE NOTED.
- ALL EXPOSED INTERIOR STEEL COLUMNS SHALL BE PAINTED TO MATCH ADJACENT WALL COLOR, UNLESS OTHERWISE INDICATED ON INTERIOR ELEVATIONS OR FINISH PLANS.

SCHOOL

CARMEL HIGH

NATATORIUM **ADDITION AND** RENOVATIONS

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520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS

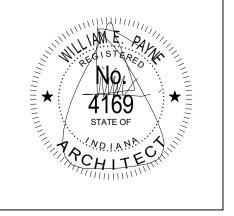


ARCHITECT



350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204

CONSTRUCTION DOCUMENTS



PROJECT MANAGER: CS DRAWN BY: AML PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

| 10. <u></u> | DESCRIPTION | DATE |
|-------------|-------------|------------|
| 1 | ADDENDUM #1 | 01.25.2022 |
| 2 | ADDENDUM #2 | 02.01.2022 |
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LIST OF FINISHES

| ROOM L | LEGEND - LOWER LEVE | EL UNIT N |
|----------|---------------------|-----------|
| ROOM NO. | ROOM NAME | AREA (SF |
| | | |
| E-2 | ELEVATOR | 84 SF |
| N026 | LOWER CONCOURSE | 8297 SF |
| N040 | LOBBY | 2389 SF |
| N041 | VESTIBULE | 701 SF |
| N042 | SRO | 152 SF |
| N043 | RECEPTION | 227 SF |
| N044 | STORAGE | 342 SF |
| N045 | CUSTODIAL | 99 SF |
| N046 | ELEV. EQ. | 156 SF |
| S-3 | STAIR | 235 SF |

REFLECTED CEILING PLAN LEGEND BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT TO THE ROOF DECK.

> REFLECTED CEILING PLAN NOTES CARMEL HIGH (ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

DESCRIPTION

GWB BULKHEAD, REFER TO 1-A10.05. GWB BULKHEAD, REFER TO 2-A10.05. GWB BULKHEAD, REFER TO 3-A9.13.

EDGE OF CEILING CLOUD TO ALIGN WITH FACE OF GWB BULKHEAD AT THIS LOCATION. FACE OF GWB BULKHEAD TO ALIGN WITH FACE OF WALL A THIS LOCATION. GWB BULKHEAD, REFER TO 5-A9.13.

GWB BULKHEAD, REFER TO 6-A9.13. GWB BULKHEAD, REFER TO 7-A9.13. INTERIOR FINISH SYSTEM (I.F.S.), REFER TO WALL SECTION. GWB BULKHEAD, REFER TO 9-A9.13. OPEN TO STRUCTURE ABOVE.

CURVED METAL ROOF DECK AT CANOPY, REFER TO ROOF

PLAN AND WALL SECTIONS. PLASTIC LAMINATE PANEL SYSTEM, REFER TO 6-A10.01. GWB BULKHEAD, REFER TO 2-A10.01. EXISTING GWB BULKHEAD/CEILING TO REMAIN (UNO). RE-PAINT CEILING, COLOR AS INDICATED ON FINISH PLANS EXISTING GWB BULKHEAD TO REMAIN (UNO). REBUILD/REPAIR EXISTING BULKHEAD IF REMOVAL IS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. NEW CEILING HEIGHT TO MATCH ADJACENT EXISTING

CEILING HEIGHT AT THIS LOCATION. GWB BULKHEAD, REFER TO 5-A9.14. GWB BULKHEAD, REFER TO 10-A9.13. GWB BULKHEAD, REFER TO 1-A9.14. THREE-DIMENSIONAL CEILING PANELS, REFER TO 3-A9.14. ELASTOMERIC ACT TO WALL JOINT ASSEMBLY (2" JOINT) ELASTOMERIC GWB TO WALL JOINT ASSEMBLY (2" JOINT) ELASTOMERIC GWB TO GWB JOINT ASSEMBLY (2" JOINT) PROVIDE 1" GAP BETWEEN CEILING PANELS AT THIS LOCATION TO ACCOMMODATE LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS

REFLECTED CEILING PLAN LEGEND

• 10'-4" INDICATES ELEVATION HEIGHT

9'-0" INDICATES CEILING HEIGHT

A 9'-0" INDICATES ACOUSTIC PANEL CEILING TYPE AND HEIGHT. REFER TO PROJECT MANUAL FOR "TYPE"

LIGHT FIXTURE - REFER TO ELECTRICAL DRAWINGS

CARMEL CLAY SCHOOLS

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SCHOOL

520 E MAIN STREET

CARMEL, IN 46032

NATATORIUM

ADDITION AND

RENOVATIONS



<u>ARCHITECT</u>

LIGHT FIXTURE - REFER TO ELECTRICAL DRAWINGS 317.848.0966 WWW.FHAI.COM 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204 LIGHT FIXTURE - REFER TO ELECTRICAL DRAWINGS

GYMNASIUM -

CONSTRUCTION DOCUMENTS

STATE OF

DATE

02.01.2022

PROJECT MANAGER: CS

PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

2 ADDENDUM #2

NO. DESCRIPTION

DRAWN BY: KT

MECHANICAL DIFFUSER - REFER TO MECHANICAL MECHANICAL RETURN AIR GRILLE - REFER TO MECHANICAL DRAWINGS CEILING MOUNTED MECHANICAL UNIT - REFER TO MECHANICAL DRAWINGS

CLOCK - REFER TO TECHNOLOGY DRAWINGS

MECHANICAL UNIT HEATER - REFER TO MECHANICAL DRAWINGS RECESSED CEILING SPEAKER MOTION DETECTOR

CEILING MOUNTED EXIT LIGHT CEILING MOUNTED CAMERA

WIRELESS ACCESS POINT (WAP) CONTROL JOINT IN GYPSUM BOARD CEILING

SOUND REINFORCEMENT SPEAKER FIRE ALARM HEAT DETECTOR

FIRE ALARM HORN STROBE

FIRE ALARM SPEAKER STROBE FIRE ALARM STROBE

OCCUPANCY SENSOR

ACOUSTICAL CEILING TILE (ACT)

GYPSUM WALL BOARD BULKHEAD / CEILING EXTERIOR FINISH SYSTEM (E.F.S.) EXTERIOR INSULATION FINISH SYSTEM (E.I.F.S.)

FIRE ALARM SMOKE DETECTOR

ACOUSTICAL CEILING TILE (ACT)

INTERIOR FINISH SYSTEM (I.F.S.) ACT (TYPE 1A) TORSION SPRING

SHAPES (2D SQUARE) ACT (TYPE 1B) TORSION SPRING SHAPES (3D TRIANGLE), GRAY HATCH

ACT (TYPE 1C) TORSION SPRING SHAPES (3D TRIANGLE), DARK GRAY HATCH ACT (TYPE 4) TORSION SPRING

ACT (TYPE 6) LINEAR PLANK

VERIFICATION NOTE

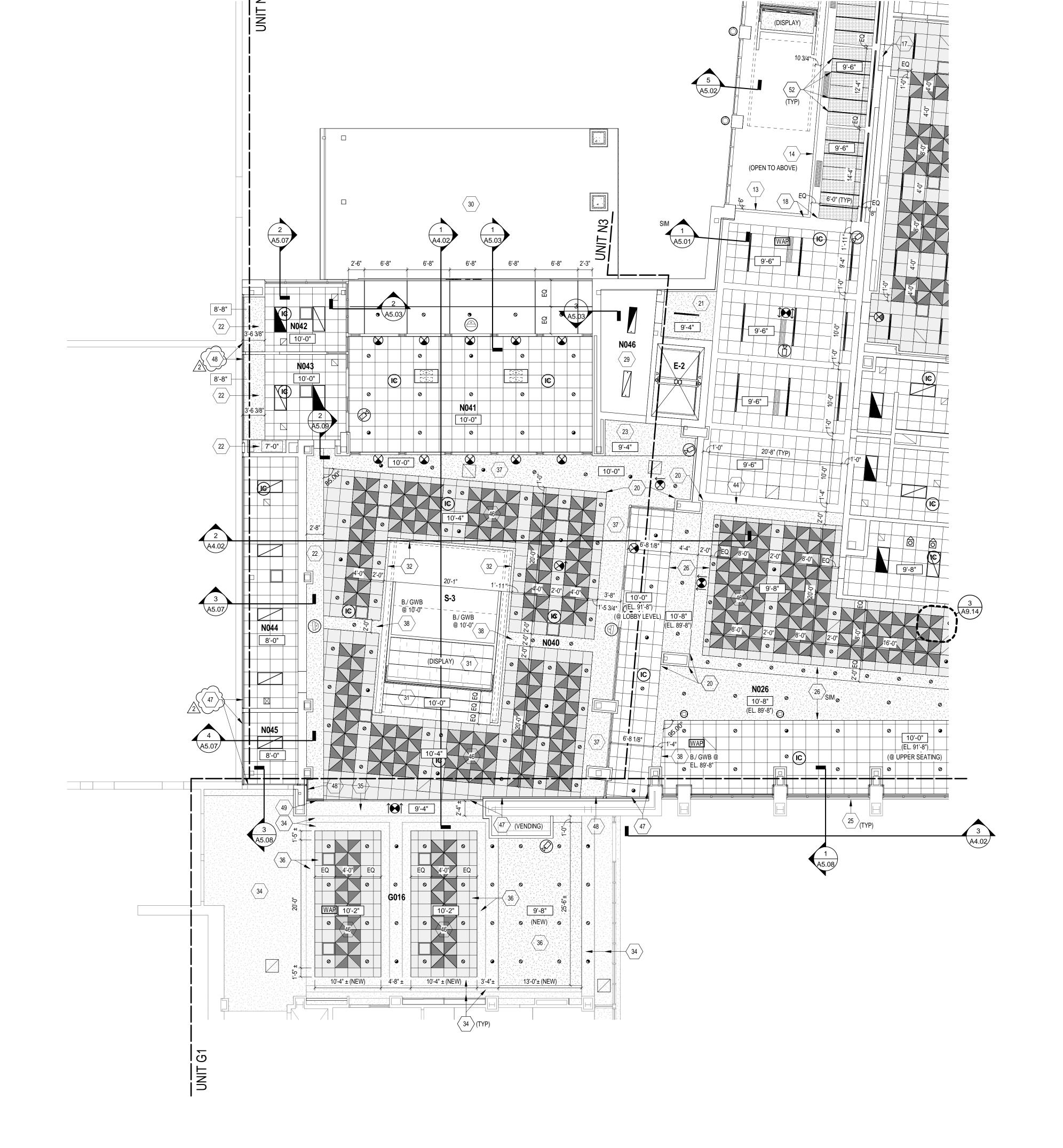
METAL COMPOSITE MATERIAL (MCM) PANEL

PLASTIC LAMINATE PANEL SYSTEM (FDPS)

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH

UNIT N3 - LOWER LEVEL REFLECTED **CEILING PLAN**



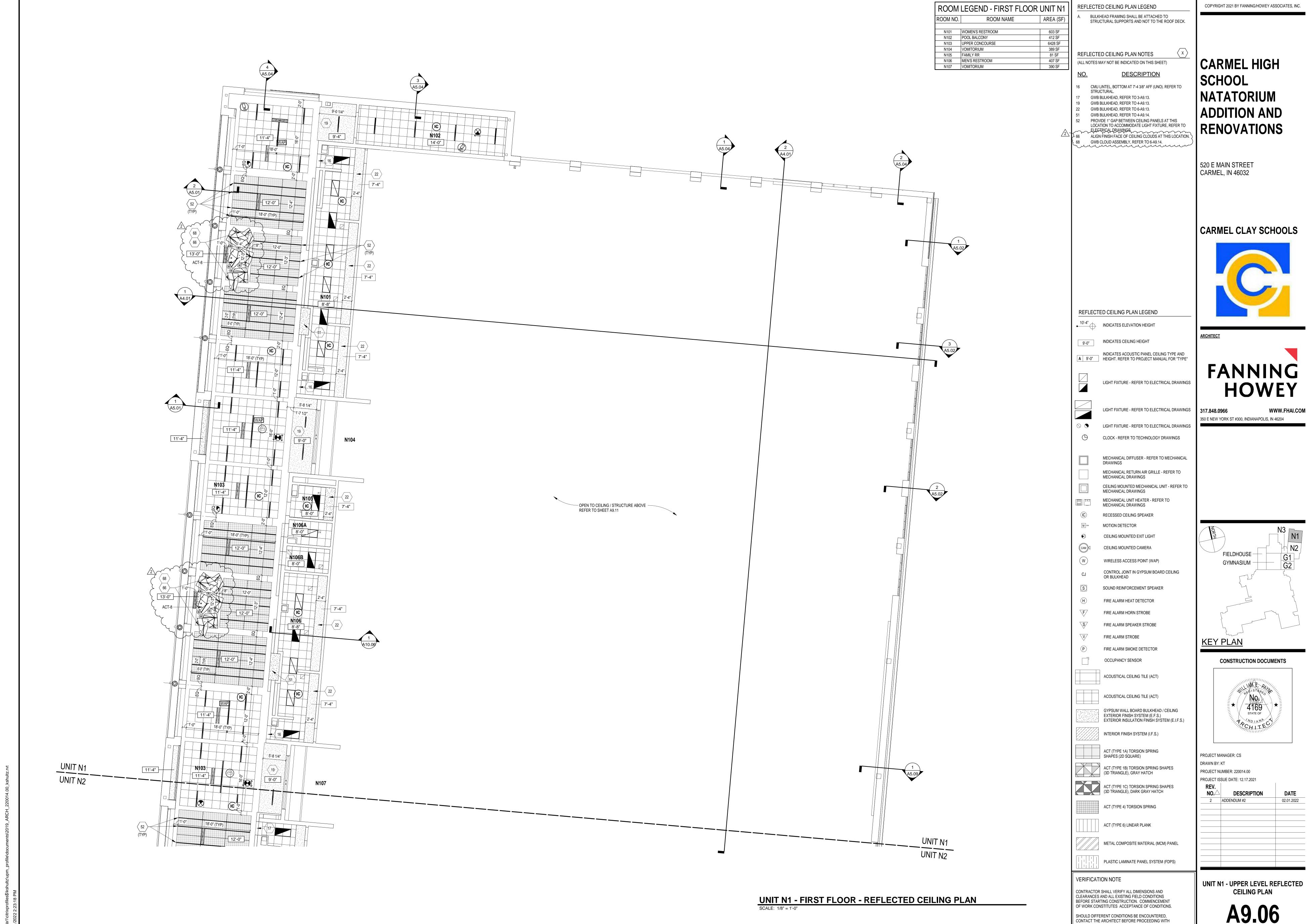
UNIT N3 - LOWER LEVEL - REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



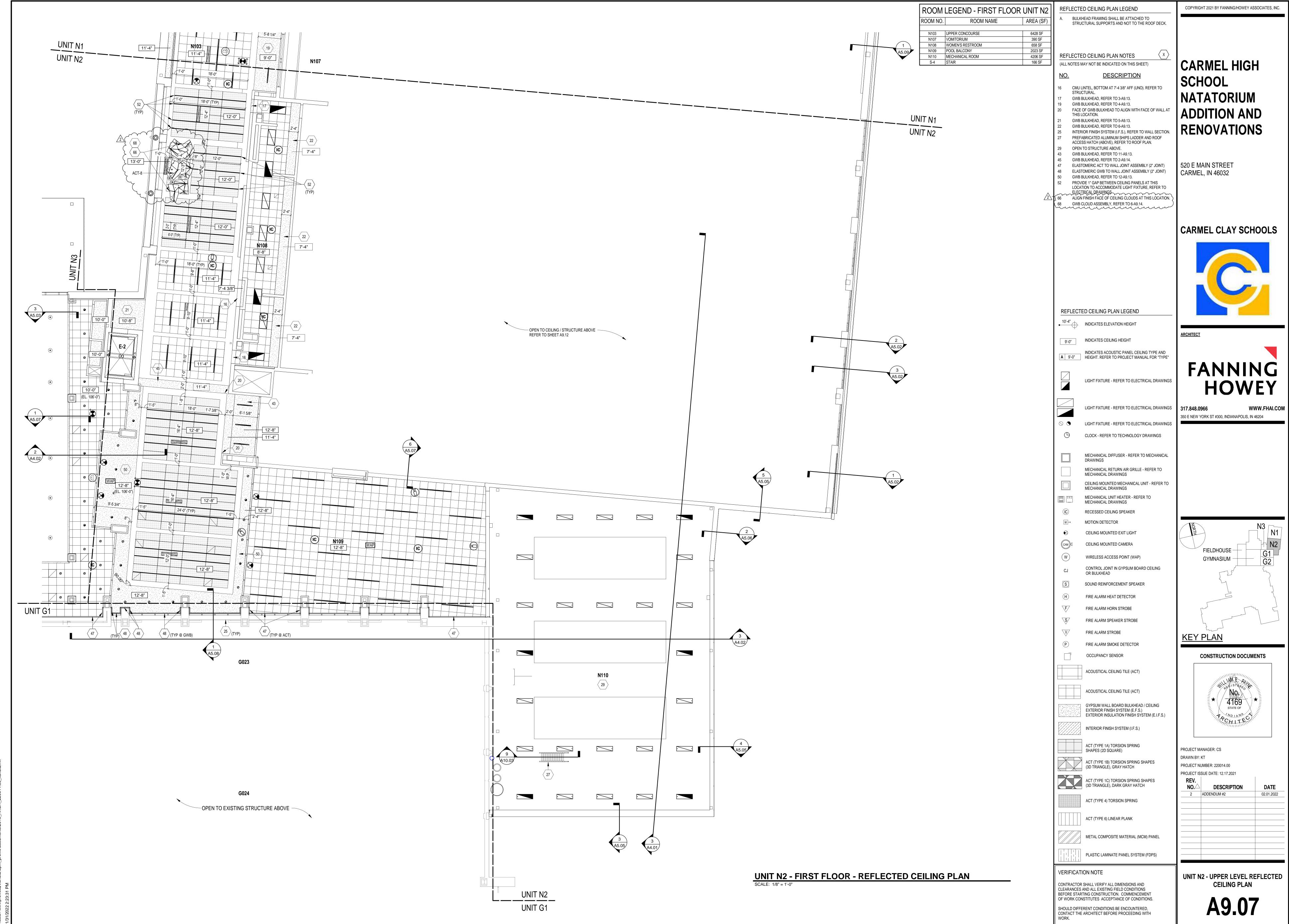
REFLECTED CEILING PLAN LEGEND COPYRIGHT 2021 BY FANNING/HOWEY ASSOCIATES, INC.

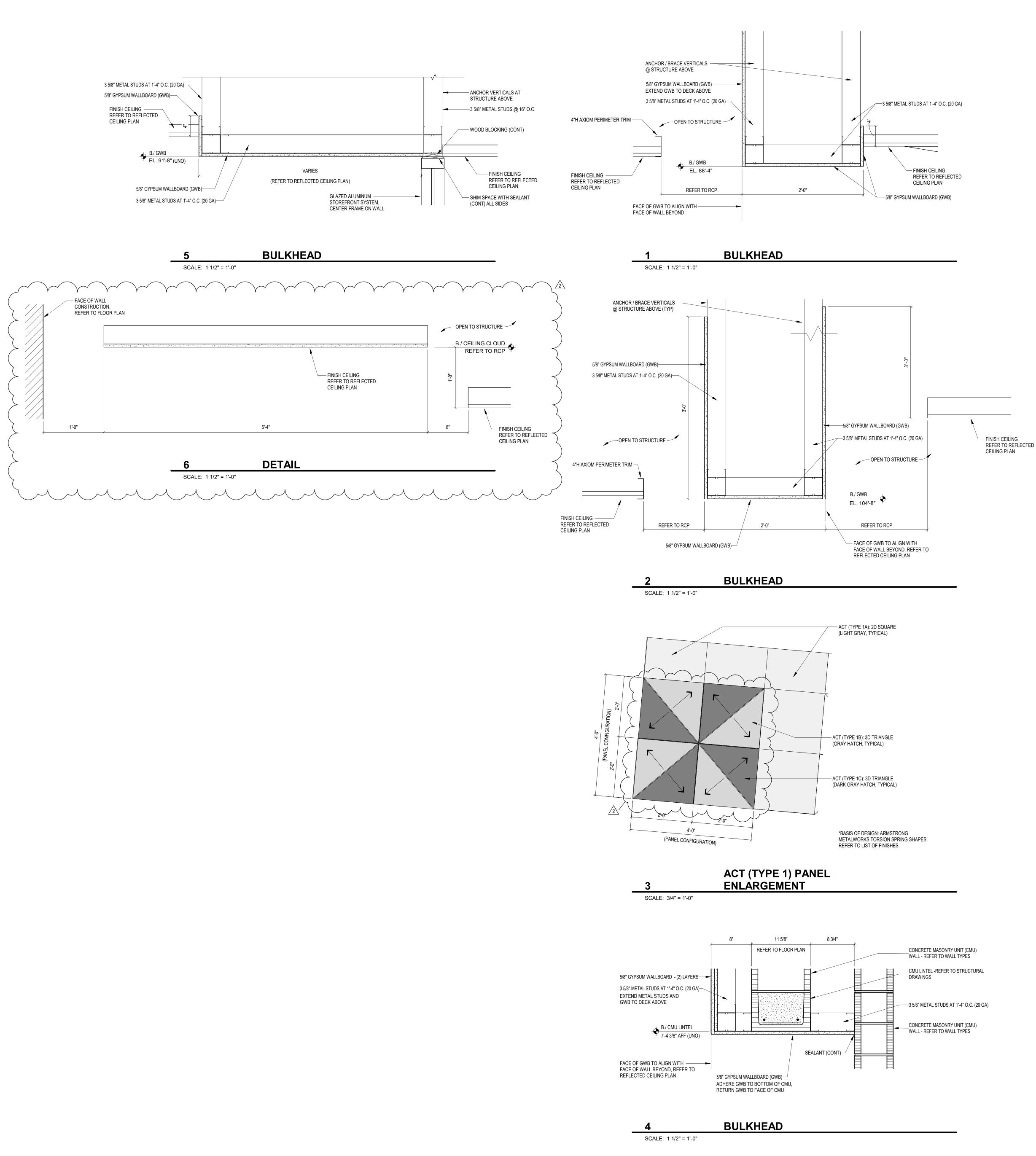
ROOM LEGEND - LOWER LEVEL UNIT G2

OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH



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CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS

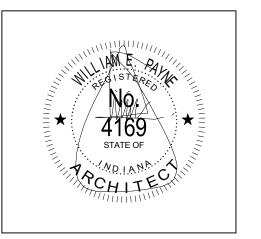


<u>ARCHITECT</u>



317.848.0966 WWW.FHAI.COM350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204

CONSTRUCTION DOCUMENTS



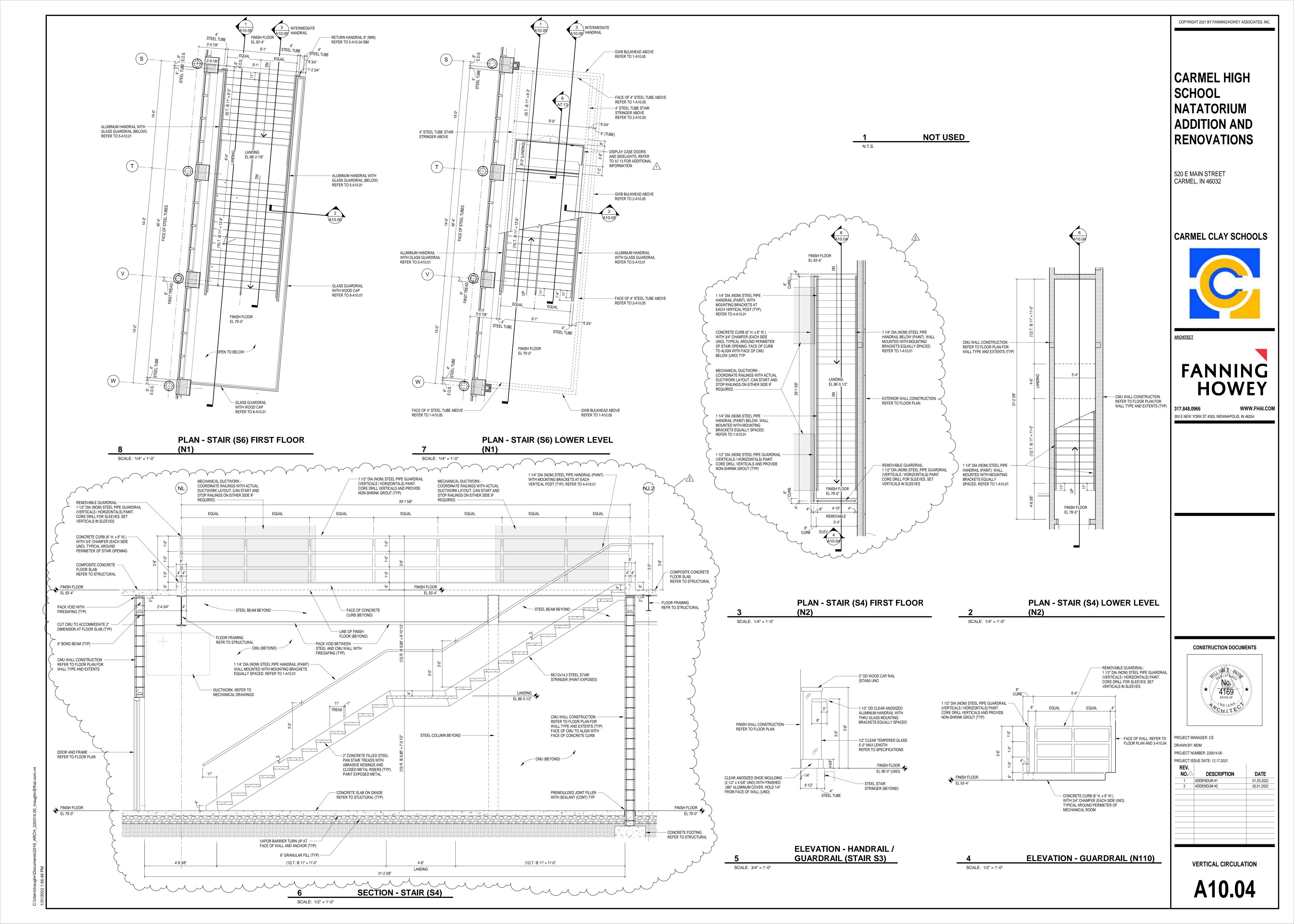
PROJECT MANAGER: CS
DRAWN BY: KT
PROJECT NUMBER: 220014.00

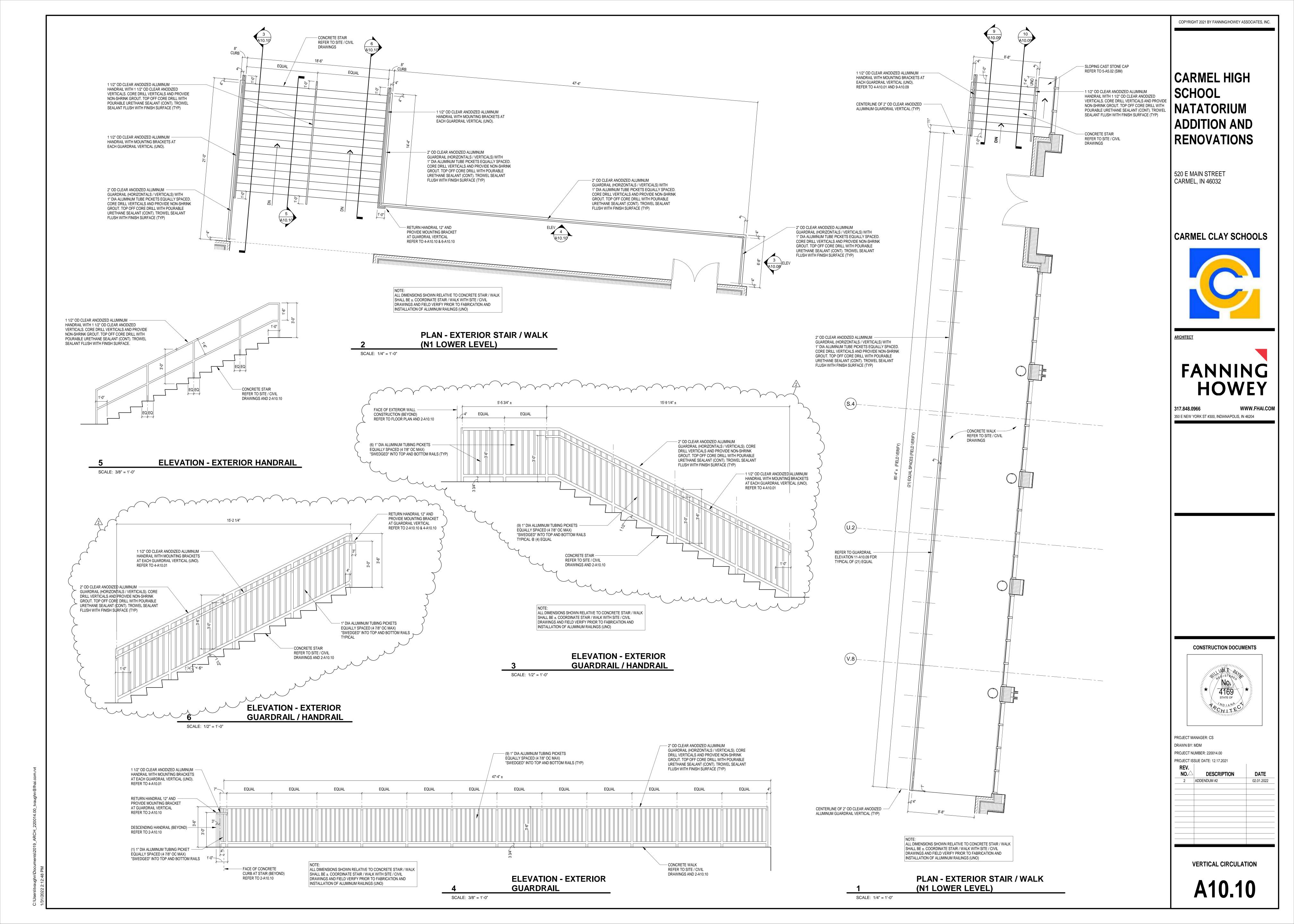
PROJECT ISSUE DATE: 12.17.2021

| REV. No. \triangle | DESCRIPTION | DATE |
|-------------------------|-------------|------------|
| 2 | ADDENDUM #2 | 02.01.2022 |
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CEILING AND BULKHEAD DETAILS

49.14





S1) DISCONNECT AND REMOVE EXISTING LIGHT POLE AND CONCRETE POLE BASE AT THIS LOCATION.

S2 DISCONNECT AND REMOVE ALL EXISTING LIGHT POLES AND CONCRETE LIGHT POLE BASES IN THE EXISTING PARKING LOT THAT IS TO BE DEMOLISHED. EXISTING LIGHTING CIRCUITS ARE TO BE REUSED FOR NEW LIGHTING.

S3 WIRE NEW LIGHTING TO EXISTING LIGHTING CIRCUIT AND CONTROLS.

\$4 LIGHTING DISTRIBUTION IS TO BE AIMED TOWARD THE WEST.

RUN A 1-INCH CONDUIT FROM PANELBOARD 1N1L1 IN ROOM N016, OUT TO NEW LIGHT POLE AND STUB UP THE LIGHT POLE BASE AND CAP FOR FUTURE POWER FOR SECURITY

DISCONNECT AND REMOVE EXISTING FEEDERS TO THE EXISTING LIFT STATION AT THIS LOCATION.

PROVIDE A NEW RECEPTACLE WITH GFCI PROTECTION AT THIS LOCATION, MOUNTED TO THE EXISTING UNISTRUT THAT SUPPRTED THE EXISTING LIFT STATION CONTROL PANEL. WIRE TO CIRCUIT 2N2L1-23 WITH 3#10, 3/4"C.

PLAN NOTES:

CARMEL HIGH SCHOOL **NATATORIUM ADDITION AND** RENOVATIONS

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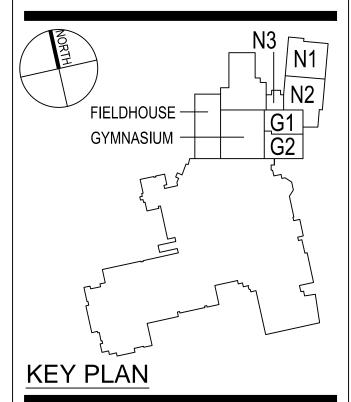
520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS

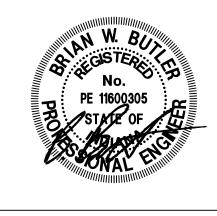




350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204



CONSTRUCTION DOCUMENTS



PROJECT NUMBER: 220014.00

| PROJECT ISSUE DATE: 12.17.2021 | | |
|--------------------------------|-------------|-----------|
| NO | DESCRIPTION | DATE |
| 2 | ADDENDUM #2 | 2.01.2022 |
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ELECTRICAL SITE PLAN

E2.01

| | LDW61 LDW61 N003 SXWJ (7) |
|---------------------|--|
| | LTO48HX LTO |
| | Nooe CKT.INIHI-7 LITTIX (19) LOG CKT.INIHI-7 LITTIX (19) LOG CKT.INIHI-7 LITTIX (10) CKT.INIHI-7 LITTIX (11) CKT.INIHI-7 LITTIX (11) CKT.INIHI-7 LITTIX (12) CKT.INIHI-7 LITTIX (13) CKT.INIHI-7 LITTIX (14) CKT.INIHI-7 LITTIX (15) CKT.INIHI-7 LITTIX (16) CKT.INIHI-7 LITTIX (17) CKT.INIHI-7 LITTIX (18) CKT.INIHI-7 LITTIX (18) CKT.INIHI-7 LITTIX (19) CKT.INIHI-7 LITTIX (10) CKT.INIHI-7 LITTIX (11) CKT.INIHI-7 LITTIX (11) CKT.INIHI-7 LITTIX (14) CKT.INIHI-7 LITTIX (15) CKT.INIHI-7 LITTIX (16) CKT.INIHI-7 LITTIX (17) CKT.INIHI-7 LITTIX (18) CKT.INIHI-7 LITTIX (19) CKT.INIHI-7 LITTIX (19) CKT.INIHI-7 LITTIX (10) CKT.INIHI-7 LITTIX (10) CKT.INIHI-7 LITTIX (10) CKT.INIHI-7 LITTIX (11) CKT.INIHI-7 LITTIX (11) CKT.INIHI-7 LITTIX (12) CKT.INIHI-7 LITTIX (13) CKT.INIHI-7 LITTIX (14) CKT.INIHI-7 LITTIX CKT.INIHI-7 CKT |
| | LIMWY CITY LORANNO SHEET TEAGE FOR LIGHTING LAYOUT IN THIS AREA. NOTE THAT I WAN IN THE AREA. NOTE THAT I WAN IN THE AREA. |
| | LWW/ LTOASHX CKT.INIHI.7 LTOASHX CKT.INIHI.7 CKT.INIHI.2. LEIX NO26 LEIX LITOASHX CKT.INIHI.7 LITOASHX LITOASHX CKT.INIHI.7 LITOASHX CKT.INIHI.7 LITOASHX CKT.INIHI.7 LITOASHX CKT.INIHI.7 LITOASHX LITOASHX CKT.INIHI.7 LITOASHX LITO |
| | NO21 SOUTH TOUGHT TOUG |
| | LIVING COLT. INTH-9 LIVING CO |
| | LUWY 1 LOS WORK LEZZ LITHVIX CKT.INH1-9 CKT.INH1-9 |
| | LIVING CKT. INIHIT-9 LEZ LTO48HK LTO |
| | LTD4H LTO4HX LTD4HX LTD |
| 2/1/2022 9:55:35 AM | UNIT N1 - LOWER LEVEL LIGHTING PLAN SCALE: 1/8" = 1'-0" |

| ROOM NO. | ROOM NAME | AREA (SF) |
|-------------|-----------------|--------------|
| 110. | ROOMINAME | (01) |
| N003 | COACH | 260 SF |
| N004 | RESTROOM | 87 SF |
| N005 | CUSTODIAL | 53 SF |
| N006 | LOCKER ROOM | 788 SF |
| N008 | LOCKER ROOM | 718 SF |
| N009 | TECHNOLOGY | 43 SF |
| N010 | VESTIBULE | 64 SF |
| N011 | VESTIBULE | 59 SF |
| N013 | POOL CORRIDOR | 263 SF |
| N014 | VESTIBULE | 59 SF |
| N015 | VESTIBULE | 63 SF |
| N016 | ELECTRICAL | 43 SF |
| N017 | LOCKER ROOM | 717 SF |
| N019 | LOCKER ROOM | 784 SF |
| N021 | POOL DECK | 13162 SF |
| N022 | POOL | 14163 SF |
| N023 | CUSTODIAL | 53 SF |
| N024 | RESTROOM | 80 SF |
| N025 | COACH | 234 SF |
| N026 | LOWER CONCOURSE | 8297 SF |
| N027 | POOL CORRIDOR | 263 SF |

CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

GENERAL NOTES - LIGHTING

- FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS,
- DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR RESPECTIVE INSTALLERS.

 3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPERTY OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES
- COMPATIBLE WITH CEILING TYPE. 4. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH
- RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL "1/E1.04".

 LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE INDICATED.

 PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.

| | | KEYNOTES 2 | ı | ARC |
|----|------|---|---|----------------|
| | L1 | WIRE EMERGENCY/EXIT SIGN LIGHT FIXTURES IN THIS UNIT TO A SPARE 20AMP, 1-POLE CIRCUIT BREAKER IN THE EXISTING EMERGENCY PANELBOARD "2GXH1". | ı | |
| | L2 | LED STRIP LIGHT FIXTURE MOUNTED INSIDE DISPLAY CASE ABOVE THE DOOR. REFER TO ARCHITECTURAL DETAIL " X-AX.XX". | ı | |
| | L9 | FIXTURE TO BE PENDANT MOUNTED ABOVE CEILING CLOUD SYSTEM. BOTTOM OF FIXTURE TO BE FLUSH WITH BOTTOM OF CLOUD AND CENTERED BETWEEN THE CLOUD AND ADJACENT WALL. | | |
| | L10 | LIGHT FIXTURES MOUNTED IN THIS SECTION OF THE CEILING CLOUD SYSTEM ARE TO BE MOUNTED IN THE SPACE PROVIDED BETWEEN THE CLOUDS. FIXTURE SHALL EXTEND UP THE VERTICAL SURFACE AT BOTH ENDS OF THE CLOUDS. | | |
| 2\ | L13 | ALL CONDUITS IN THIS AREA ARE TO BE PAINTED ALUMINUM FOR A POOL ENVIRONMENT. | ı | |
| | L14\ | WIRE NEW EXTERIOR BUILDING LIGHT FIXTURES TO THE SAME CIRCUITS AND CONTROL AS THE EXISTING EXTERIOR BUILDING LIGHT FIXTURES. | ı | 0.4= |
| | L15 | REFER TO THE ARCHITECTURAL EXTERIOR BUILDING ELEVATIONS FOR THE EXACT MOUNTING HEIGHT AND LOCATION OF NEW EXTERIOR WALL MOUNTED LIGHT FIXTURES. | | 317 350 |
| | L16 | LIGHTT FIXTURE TYPE "LWW1" IS TO BE MOUNTED ON THE BRICK FACADE ABOVE THE COLUMN AND IS TO SHINE DOWN WITH NARROW BEAM OF BLUE LIGHT TO ILLUMINATE THE COLUMN. | | |
| | L19 | LIGHT FIXTURE TYPE "LWW2" IS TO BE MOUNTED AT THE TOP OF THE ALCOVE AND IS TO SHINE DOWN WITH BLUE LIGHT TO ILLUMINATE THE ALCOVE. LIGHT SWITCH FOR THESE LIGHT FIXTURES IS LOCATED IN ROOM N021C. | | |

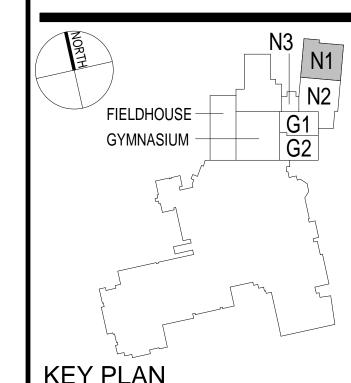
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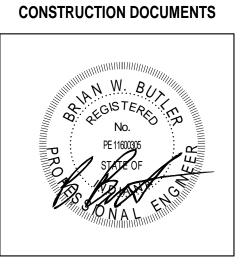


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UNIT N1 - LOWER LEVEL LIGHTING PLAN



ROOM LEGEND - LOWER LEVEL UNIT N2 AREA ROOM NO. **ROOM NAME** (SF) 140 SF 74 SF N021A N021C VESTIBULE 114 SF 14163 SF 8297 SF N021D VIDEO DISTRIBUTION N022 POOL N026 LOWER CONCOURSE 263 SF 1668 SF 397 SF 1470 SF 1449 SF N027 POOL CORRIDOR N028 HOSPITALITY N028A FOOD PREP N029 THERAPY POOL N030 DIVING N031 RESTROOM N032 RESTROOM 92 SF 80 SF 150 SF 49 SF N033 TECHNOLOGY N033A A/V STORAGE N034 CONCESSIONS N034A ELECTRICAL N035 POOL STORAGE N036 POOL EQUIPMENT 2789 SF 118 SF N036A POOL EQUIPMENT 114 SF 1139 SF 89 SF 124 SF N036B POOL EQUIPMENT N037 POOL STORAGE N037A VESTIBULE

SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

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CARMEL HIGH

520 E MAIN STREET CARMEL, IN 46032

GENERAL NOTES - LIGHTING

N038 FIRE RISER N039 PASSAGE

- FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES, COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES
- COMPATIBLE WITH CEILING TYPE. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH
- SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL "1/E1.04". LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE
- PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY

| KEYNOTES | ۷ |
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- WIRE EMERGENCY/EXIT SIGN LIGHT FIXTURES IN THIS UNIT TO A SPARE 20 AMP, 1-POLE CIRCUIT BREAKER IN THE EXISTING EMERGENCY PANELBOARD "2GXH1". L2 LED STRIP LIGHT FIXTURE MOUNTED INSIDE DISPLAY CASE ABOVE THE DOOR. REFER TO ARCHITECTURAL DETAIL " X-AX.XX". L3 MOUNT LIGHT FIXTURES AT 10'-0"A.F.F. AND TO MISS THE POOL EQUIPMENT IN THIS
- L4 MOUNT LIGHT FIXTURES AT 10'-0"A.F.F. IN THIS ROOM. FIXTURE TO BE PENDANT MOUNTED ABOVE CEILING CLOUD SYSTEM. BOTTOM OF FIXTURE TO BE FLUSH WITH BOTTOM OF CLOUD AND CENTERED BETWEEN THE CLOUD AND ADJACENT WALL.
- 3 ALL CONDUITS IN THIS AREA ARE TO BE PAINTED ALUMINUM FOR A POOL ENVIRONMENT. L14 WIRE NEW EXTERIOR BUILDING LIGHT FIXTURES TO THE SAME CIRCUITS AND CONTROL AS THE EXISTING EXTERIOR BUILDING LIGHT FIXTURES. REFER TO THE ARCHITECTURAL EXTERIOR BUILDING FLEVATIONS FOR THE EXACT
- LIGHTT FIXTURE TYPE "LWW1" IS TO BE MOUNTED ON THE BRICK FACADE ABOVE THE COLUMN AND IS TO SHINE DOWN WITH NARROW BEAM OF BLUE LIGHT TO ILLUMINATE
- 7 LIGHT SWITCH IS TO CONTROL ALL LIGHTING IN THE CONCOURSE AREAS. 9 LIGHT FIXTURE TYPE "LWW2" IS TO BE MOUNTED AT THE TOP OF THE ALCOVE AND IS
- TO SHINE DOWN WITH BLUE LIGHT TO ILLUMINATE THE ALCOVE. LIGHT SWITCH FOR THESE LIGHT FIXTURES IS LOCATED IN ROOM N021C. MOMENTARY CONTACT LIGHT SWITCHES TO CONTROL THE LIGHT TRUSS SYSTEM LIGHT FIXTURES IN THE POOL AREA. SWITCHES ARE TO BE RUN THROUGH LIGHTING CONTACTORS ADJACENT TO THE 277V PANELBOARD THAT FEEDS THE LIGHTRUSS SYSTEM. REFER TO DRAWING SHEETS E4.06 AND E4.07 FOR ADDITIONAL

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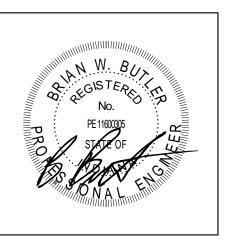


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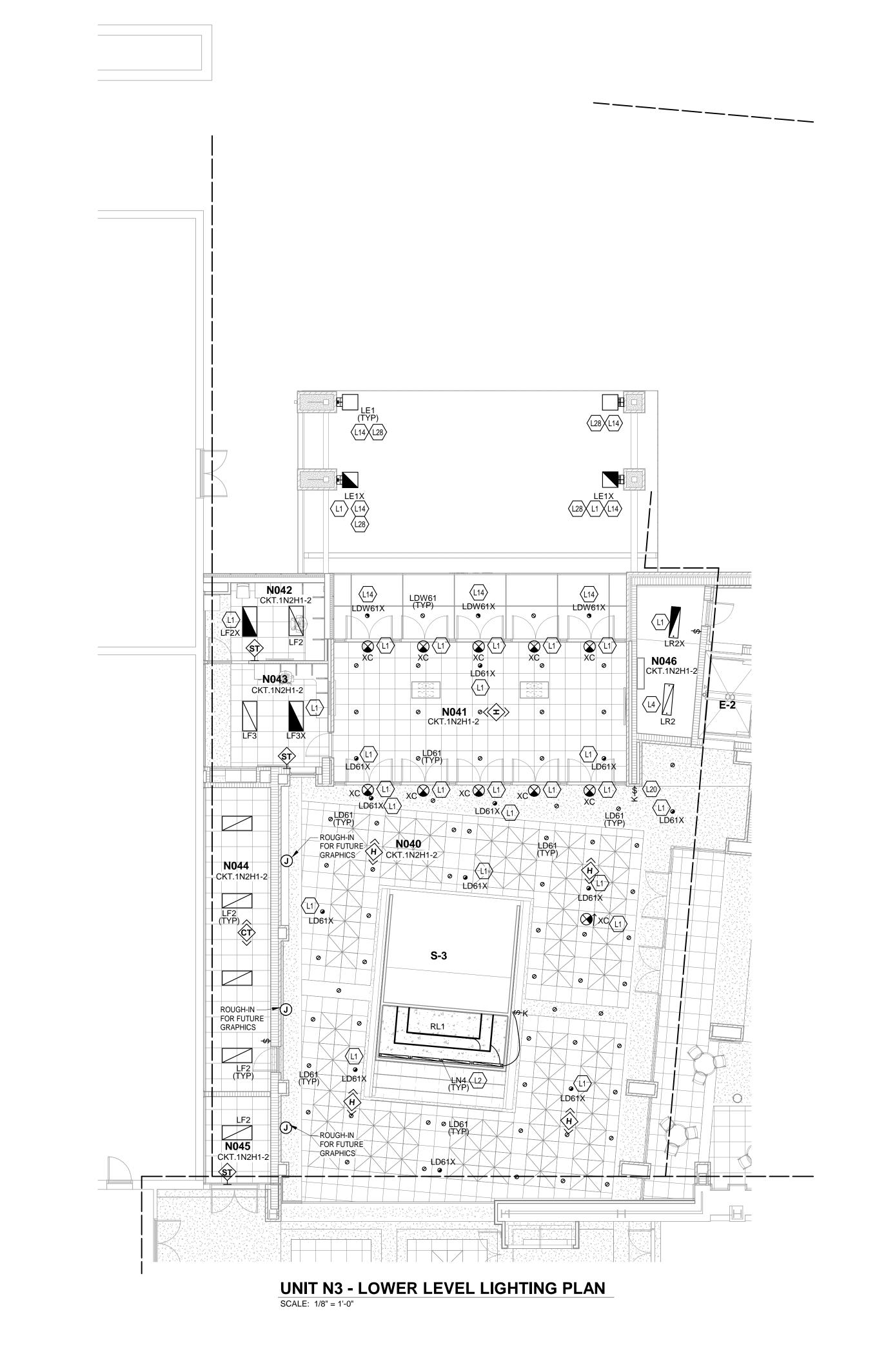


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UNIT N2 - LOWER LEVEL LIGHTING

E4.02



ROOM LEGEND - LOWER LEVEL UNIT N3 ROOM NO. AREA (SF) **ROOM NAME** E-2 ELEVATOR

N026 LOWER CONCOURSE

N040 LOBBY 8297 SF 2389 SF N041 VESTIBULE N042 SRO N043 RECEPTION N044 STORAGE N045 CUSTODIAL N046 ELEV. EQ.

GENERAL NOTES - LIGHTING

S-3 STAIR

- 1. FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR RESPECTIVE INSTALLERS.
- 3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES COMPATIBLE WITH CEILING TYPE. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH
- SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL "1/E1.04". 5. LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE
- SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE 6. PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.

KEYNOTES

- WIRE EMERGENCY/EXIT SIGN LIGHT FIXTURES IN THIS UNIT TO A SPARE 20AMP/1-POLE CIRCUIT BREAKER IN THE EXISTING EMERGENCY PANELBOARD "2GXH1". L2 LED STRIP LIGHT FIXTURE MOUNTED INSIDE DISPLAY CASE ABOVE THE DOOR. REFER
- TO ARCHITECTURAL DETAIL " X-AX.XX".
- L4 MOUNT LIGHT FIXTURES AT 10'-0"A.F.F. IN THIS ROOM.

 L14 WIRE NEW EXTERIOR BUILDING LIGHT FIXTURES TO THE SAME CIRCUITS AND CONTROL AS THE EXISTING EXTERIOR BUILDING LIGHT FIXTURES.
- L15 REFER TO THE ARCHITECTURAL EXTERIOR BUILDING ELEVATIONS FOR THE EXACT MOUNTING HEIGHT AND LOCATION OF NEW EXTERIOR WALL MOUNTED LIGHT

L20 LIGHT SWITCH IS TO CONTROL ALL LIGHTING IN THIS LOBBY AREA. L28 MOUNT THIS LIGHT FIXTURE UPSIDE DOWN, TO ILLUMINATE THE CEILING ABOVE. COPYRIGHT 2021 BY FANNING/HOWEY ASSOCIATES, INC.

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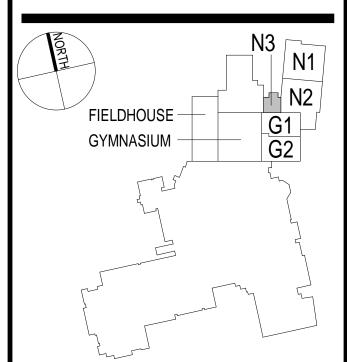
520 E MAIN STREET CARMEL, IN 46032

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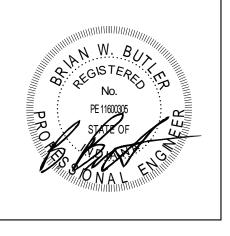




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UNIT N3 - LOWER LEVEL LIGHTING

E4.03

| | CHEMICAL CONTROLLERS OF K |
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| Color | XWW & (I) |
| G011 G012 G018 | G024 |
| G010 G010A | |
| S-2 G009A | |

UNIT G1 - LOWER LEVEL LIGHTING PLAN

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

 ROOM
 ROOM NAME
 AREA (SF)

 E-1
 ELEVATOR
 50 SF

 G010
 MEN'S TEAM LOCKER ROOM
 730 SF

 G010A
 OFFICE
 53 SF

 G011
 WOMEN'S COMMUNITY LOCKER ROOM
 556 SF

 G012
 MEN'S COMMUNITY LOCKER ROOM
 556 SF

 G013
 ELEVATOR EQUIPMENT
 29 SF

 G014
 OFFICE
 159 SF

 G015
 POOL OFFICE
 246 SF

 G015A
 TOILET
 66 SF

 G015B
 TOILET
 66 SF

 G016
 LOBBY
 1916 SF

 G017
 OFFICE
 143 SF

 G018
 CORRIDOR
 1712 SF

 G023
 POOL DECK
 8849 SF

 G024
 POOL
 12968 SF

GENERAL NOTES - LIGHTING

- FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM.
 REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR RESPECTIVE INSTALLERS.
- 3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH
 SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR
 CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES
 COMPATIBLE WITH CEILING TYPE
- COMPATIBLE WITH CEILING TYPE.

 4. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND
- SUPPORTED PER PROJECT MANUAL AND DETAIL "1/E1.04".

 5. LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE INDICATED.
- INDICATED.

 6. PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.

| WIRE EMERGENCY/EXIT SIGN LIGHT FIXTURES IN THIS UNIT TO A SPARE 20AMP, 1-POLE CIRCUIT BREAKER IN THE EXISTING EMERGENCY PANELBOARD "2GXH1". L5 WIRE NEW LIGHTING IN THIS AREA TO EXISTING LIGHT CIRCUITS: L8 EXISTING LIGHT FIXTURES IN THE CEILING TO REMAIN ARE TO BE WIRED TO AND | | KEYNOTES 2 |
|--|----|--|
| L8 EXISTING LIGHT FIXTURES IN THE CEILING TO REMAIN ARE TO BE WIRED TO AND | L1 | |
| | L5 | WIRE NEW LIGHTING IN THIS AREA TO EXISTING LIGHT CIRCUITS. |
| CONTROLLED WITH THE NEW LIGHT FIXTURES IN THIS AREA. | L8 | EXISTING LIGHT FIXTURES IN THE CEILING TO REMAIN ARE TO BE WIRED TO AND CONTROLLED WITH THE NEW LIGHT FIXTURES IN THIS AREA. |

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CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

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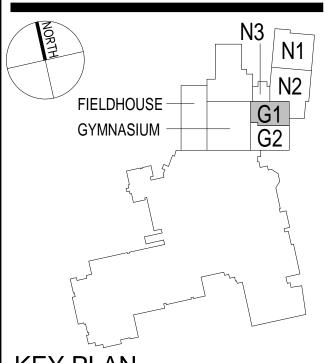
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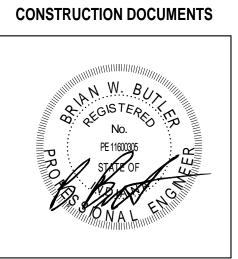
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UNIT G1 - LOWER LEVEL LIGHTING PLAN



ROOM LEGEND - LOWER LEVEL UNIT G2 ROOM NO. AREA **ROOM NAME** (SF) G003 PASSAGE
G004 FILTER ROOM
G004A FILTER ROOM 330 SF 510 SF 76 SF 61 SF 114 SF 197 SF 738 SF 765 SF 726 SF G004B FILTER ROOM G004B FILTER ROOM
G005 STORAGE
G006 ELECTRICAL
G007 MEN'S LOCKER ROOM
G008 WOMEN'S LOCKER ROOM
G009 WOMEN'S TEAM LOCKER ROOM
G009A OFFICE 53 SF 421 SF 252 SF 293 SF G019 STORAGE
G020 POOL STORAGE
G021 CORRIDOR G022 PASSAGE
G023 POOL DECK
G024 POOL 309 SF 8849 SF 12968 SF 231 SF 529 SF

GENERAL NOTES - LIGHTING

- 1. FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR
- RESPECTIVE INSTALLERS. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR
- CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES COMPATIBLE WITH CEILING TYPE.
- 4. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL "1/E1.04".
- LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE
- INDICATED.
 PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.

KEYNOTES L1 WIRE EMERGENCY/EXIT SIGN LIGHT FIXTURES IN THIS UNIT TO A SPARE 20AMP, 1-POLE CIRCUIT BREAKER IN THE EXISTING EMERGENCY PANELBOARD "2GXH1". L3 MOUNT LIGHT FIXTURES AT 10'-0"A.F.F. AND TO MISS THE ROOK EQUIPMENT IN THIS WIRE NEW LIGHTING IN THIS AREA TO EXISTING LIGHT CIRCUITS.

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CARMEL HIGH

NATATORIUM

SCHOOL

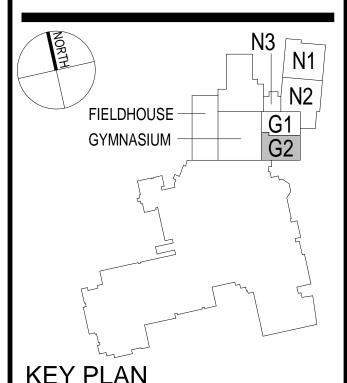
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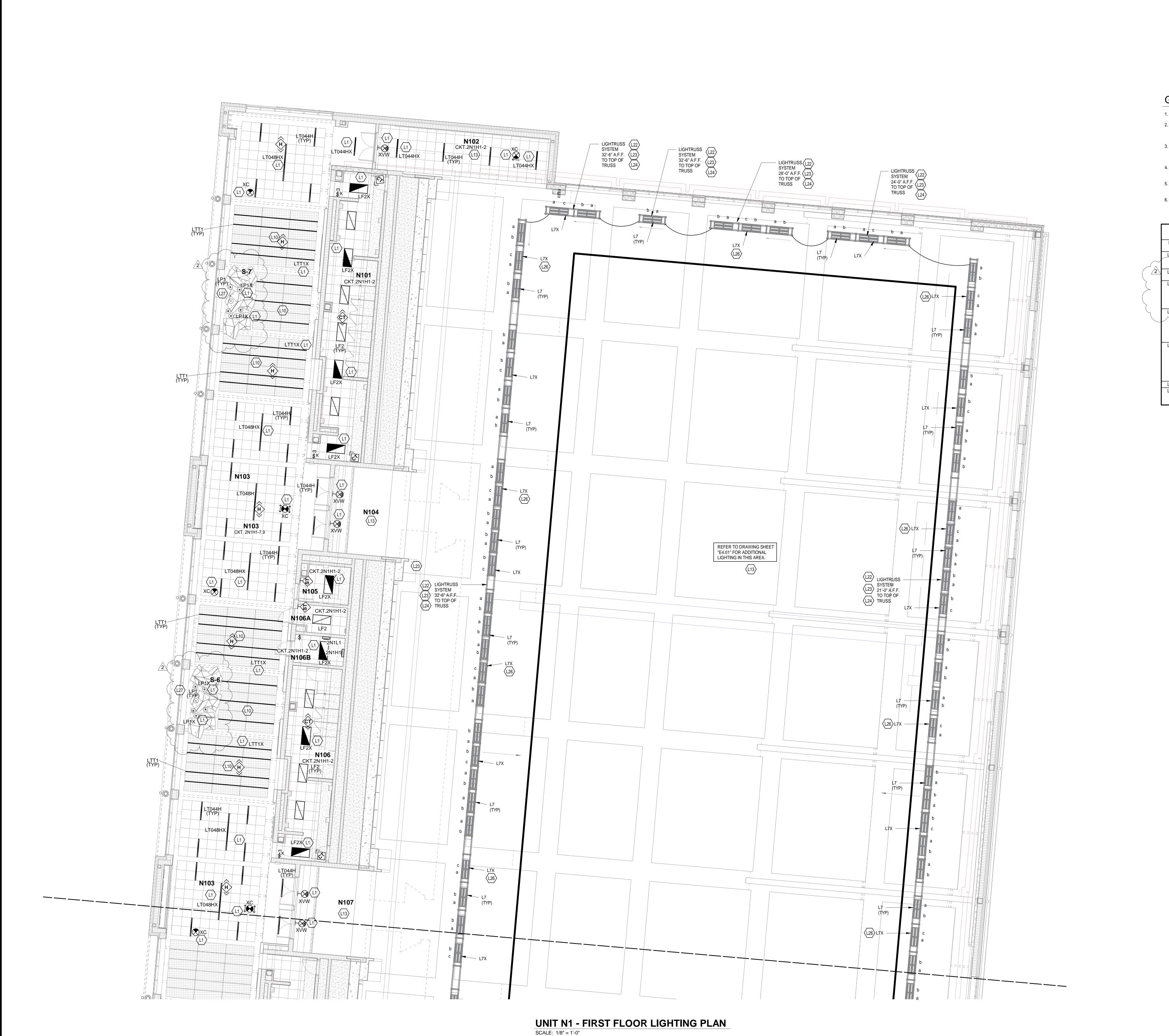
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UNIT G2 - LOWER LEVEL LIGHTING



ROOM LEGEND - FIRST FLOOR UNIT N1 AREA NO. (SF) **ROOM NAME** 603 SF 412 SF 6428 SF 389 SF 81 SF 407 SF 390 SF N101 WOMEN'S RESTROOM N102 POOL BALCONY
N103 UPPER CONCOURSE
N104 VOMITORIUM N105 FAMILY RR N106 MEN'S RESTROOM

GENERAL NOTES - LIGHTING

LIGHT CIRCUITS.

FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR RESPECTIVE INSTALLERS.

N107 VOMITORIUM

- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES COMPATIBLE WITH CEILING TYPE. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL "1/E1.04".
- LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE INDICATED.
 PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY

| | | | \ |
|---|---------|------------|------|
| KEYNOTES | | γ , | 7 |
| WIRE EMERGENCY/EXIT SIGN LIGHT FIXTURES IN THIS CIRCUIT BREAKER IN THE EXISTING EMERGENCY PAN | 1 | | AMP, |
| LIGHT FIXTURES MOUNTED IN THIS SECTION OF THE C BE MOUNTED IN THE SPACE PROVIDED BETWEEN THE | CLOUDS. | FIXTURE SH | M AR |

´ |EXTEND U₱ THE VERTICAL SURFACE ॲT BOTH ENDS OF THE CLŒUDS L13 ALL CONDUITS IN THIS AREA ARE TO BE PAINTED ALUMINUM FOR A POOL ENVIRONMENT. 22 LIGHTRUSS SYSTEM TO BE MOUNTED AT HEIGHTS SHOWN. ELECTRICAL CONTRACTOR

SHALL INCLUDE AN ESTIMATE FOR LABOR AND MATERIAL FOR APPROXIMATELY 110
SUPPORT POINTS OF AIRCRAFT CABLES AND HARDWARE, ALSO APPROXIMATELY 6
POWER DROPS. ALL WIRING INTEGRAL TO THE TRUSS SYSTEM IS BY THE MANUFACTURER AND IS INCLUDED IN THE ALLOWANCE COST. LIGHTRUSS SYSTEM LIGHT FIXTURES "L7" ARE TO BE CONTROLLED BY MOMENTARY CONTACT SWITCHES "a" AND "b" THAT ARE RUN THROUGH LIGHTING CONTACTORS "LC-a" AND "LC-b". LIGHT FIXTURES LABELED "a" TO "LC-a" AND LIGHT FIXTURES LABELED "b" TO "LC-b". REFER TO DRAWING SHEETS E4.02 AND E4.07 FOR MOMENTARY

CONTACT SWITCHES AND LIGHTING CONTACTOR LOCATIONS AND ADDITIONAL REQUIREMENTS. L24 LIGHTRUSS SYSTEM LIGHT FIXTURES "L7X" ARE TO BE CONTROLLED BY A MOMENTARY CONTACT SWITCH "c" THAT IS RUN THROUGH LIGHTING CONTACTOR "LC-c". WIRE THE "L7X" EMERGENCY LIGHT FIXTURES TO SPARE 20-AMP, 1-POLE CIRCUIT BREAKERS IN EXISTING EMERGENCY PANELBOARD "2GXH1". A TOTAL OF "3" EMERGENCY CIRCUITS ARE REQUIRED. REMOTE EMERGENCY TRANSFER DEVICES ARE TO BE LOCATED IN

ROOM N110. REFER TO DRAWING SHEETS E4.02 AND E4.07 FOR MOMENTARY CONTACT SWITCH AND LIGHTING CONTACTOR LOCATIONS AND ADDITIONAL REQUIREMENTS. L26 THIS "L7X" LIGHT FIXTURE IS TO BE A NIGHT LIGHT. L27 THE LP1 AND LP1X LIGHT FIXTURES ABOVE THE STAIRS ARE TO BE MOUNTED AT STAGGERED MOUNTING HEIGHTS. MOUNTING HEIGHTS ARE TO BE DETERMINED IN THE FIELD, PER THE ARCHITECTS INSTRUCTION.

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CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

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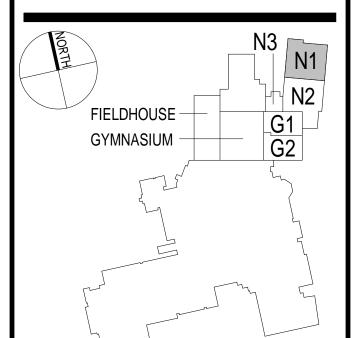
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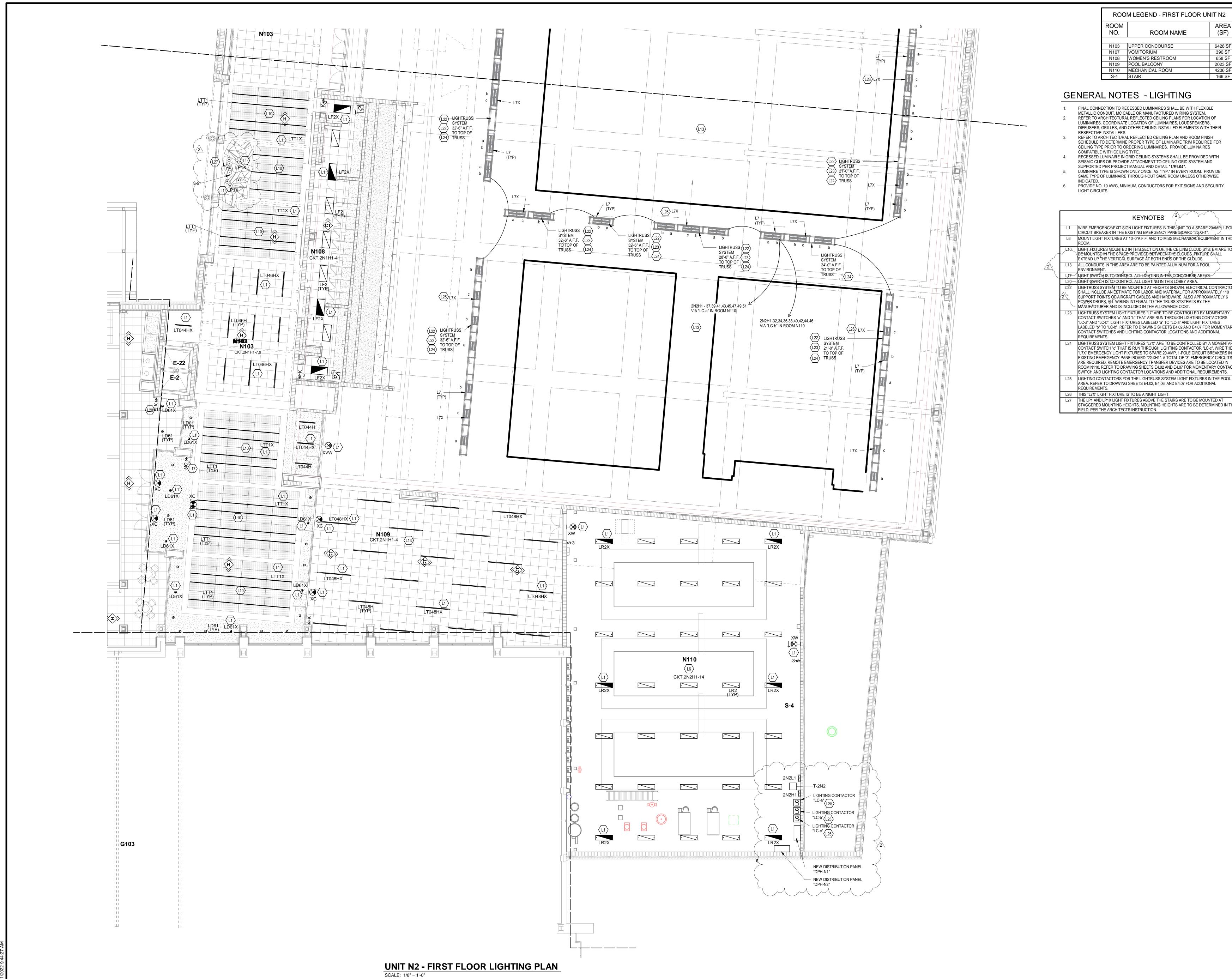
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UNIT N1 - FIRST FLOOR LIGHTING



ROOM LEGEND - FIRST FLOOR UNIT N2 ROOM AREA NO. **ROOM NAME** (SF) N103 UPPER CONCOURSE N107 VOMITORIUM 6428 SF 390 SF N108 WOMEN'S RESTROOM

GENERAL NOTES - LIGHTING

FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF

N109 POOL BALCONY

N110 MECHANICAL ROOM

- LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR RESPECTIVE INSTALLERS.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES
- COMPATIBLE WITH CEILING TYPE.
 RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND
- SUPPORTED PER PROJECT MANUAL AND DETAIL "1/E1.04". LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE
- PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY

KEYNOTES 2

WIRE EMERGENCY/EXIT SIGN LIGHT FIXTURES IN THIS UNIT TO A SPARE 20AMP 1-POL CIRCUIT BREAKER IN THE EXISTING EMERGENCY PANEL BOARD "2GXH1". L6 MOUNT LIGHT FIXTURES AT 10'-0"A.F.F. AND TO MISS MECHANICAL EQUIPMENT IN THIS

- 3 ALL CONDUITS IN THIS AREA ARE TO BE PAINTED ALUMINUM FOR A POOL ENVIRONMENT.
- L17 LIGHT SWITCH IS TO CONTROL ALL LIGHTING IN THE CONCOURSE AREAS.

 L20 LIGHT SWITCH IS TO CONTROL ALL LIGHTING IN THIS LOBBY AREA.
- LIGHT WHYCH IS TO CONTROL ALL LIGHTING IN THIS LOBBY AREA.

 LIGHTRUSS SYSTEM TO BE MOUNTED AT HEIGHTS SHOWN. ELECTRICAL CONTRACTOR SHALL INCLUDE AN ESTIMATE FOR LABOR AND MATERIAL FOR APPROXIMATELY 110 SUPPORT POINTS OF AIRCRAFT CABLES AND HARDWARE. ALSO APPROXIMATELY 6 POWER DROPS. ALL WIRING INTEGRAL TO THE TRUSS SYSTEM IS BY THE MANUFACTURER AND IS INCLUDED IN THE ALLOWANCE COST.
- 23 LIGHTRUSS SYSTEM LIGHT FIXTURES "L7" ARE TO BE CONTROLLED BY MOMENTARY CONTACT SWITCHES "a" AND "b" THAT ARE RUN THROUGH LIGHTING CONTACTORS "LC-a" AND "LC-b". LIGHT FIXTURES LABELED "a" TO "LC-a" AND LIGHT FIXTURES LABELED "b" TO "LC-b". REFER TO DRAWING SHEETS E4.02 AND E4.07 FOR MOMENTARY CONTACT SWITCHES AND LIGHTING CONTACTOR LOCATIONS AND ADDITIONAL
- LIGHTRUSS SYSTEM LIGHT FIXTURES "L7X" ARE TO BE CONTROLLED BY A MOMENTARY CONTACT SWITCH "c" THAT IS RUN THROUGH LIGHTING CONTACTOR "LC-c". WIRE THE "L7X" EMERGENCY LIGHT FIXTURES TO SPARE 20-AMP, 1-POLE CIRCUIT BREAKERS IN EXISTING EMERGENCY PANELBOARD "2GXH1". A TOTAL OF "3" EMERGENCY CIRCUITS ARE REQUIRED. REMOTE EMERGENCY TRANSFER DEVICES ARE TO BE LOCATED IN ROOM N110. REFER TO DRAWING SHEETS E4.02 AND E4.07 FOR MOMENTARY CONTACT SWITCH AND LIGHTING CONTACTOR LOCATIONS AND ADDITIONAL REQUIREMENTS. LIGHTING CONTACTORS FOR THE LIGHTRUSS SYSTEM LIGHT FIXTURES IN THE POOL AREA. REFER TO DRAWING SHEETS E4.02, E4.06, AND E4.07 FOR ADDITIONAL
- L26 THIS "L7X" LIGHT FIXTURE IS TO BE A NIGHT LIGHT. L27 THE LP1 AND LP1X LIGHT FIXTURES ABOVE THE STAIRS ARE TO BE MOUNTED AT
- STAGGERED MOUNTING HEIGHTS. MOUNTING HEIGHTS ARE TO BE DETERMINED IN THE

658 SF 2023 SF 4206 SF 166 SF

CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

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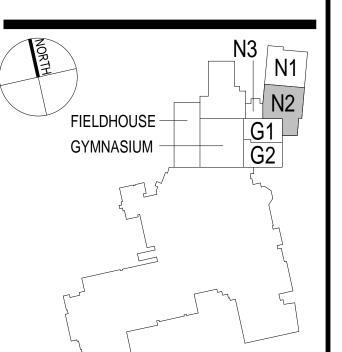
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CARMEL CLAY SCHOOLS

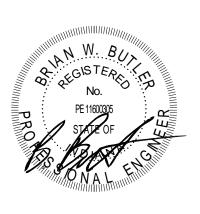




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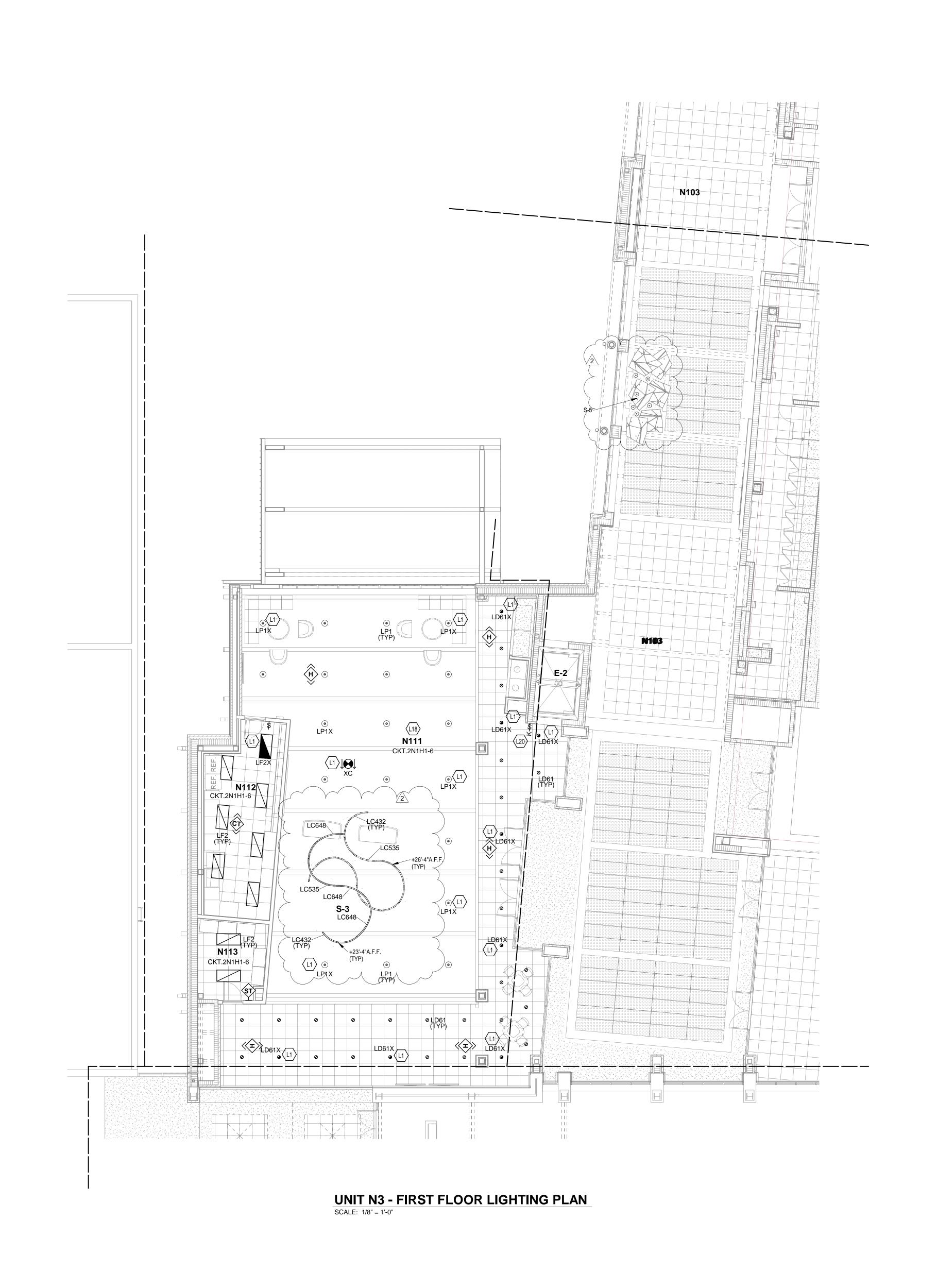
CONSTRUCTION DOCUMENTS



PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

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UNIT N2 - FIRST FLOOR LIGHTING



ROOM LEGEND - FIRST FLOOR UNIT N3 ROOM NO. AREA (SF) **ROOM NAME** 84 SF 3595 SF 352 SF 235 SF E-2 ELEVATOR
N111 UPPER LEVEL LOBBY

GENERAL NOTES - LIGHTING

FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR RESPECTIVE INSTALLERS.

N112 CONCESSIONS S-3 STAIR

- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES COMPATIBLE WITH CEILING TYPE.
- RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL "1/E1.04".
- LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE

PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.

KEYNOTES

L1 WIRE EMERGENCY/EXIT SIGN LIGHT FIXTURES IN THIS UNIT TO A SPARE 20AMP, 1-POLE CIRCUIT BREAKER IN THE EXISTING EMERGENCY PANELBOARD "2GXH1". L18 LIGHT FIXTURES IN THIS AREA ARE TO BE MOUNTED AT 10 0 A.F.F. TO THE BOTTOM OF THE LIGHT FIXTURE.

L20 LIGHT SWITCH IS TO CONTROL ALL LIGHTING IN THIS LOBBY AREA.

CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

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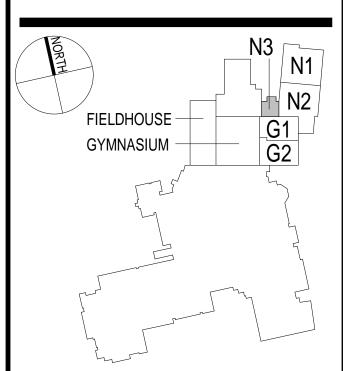
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CARMEL CLAY SCHOOLS

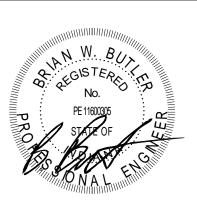




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CONSTRUCTION DOCUMENTS

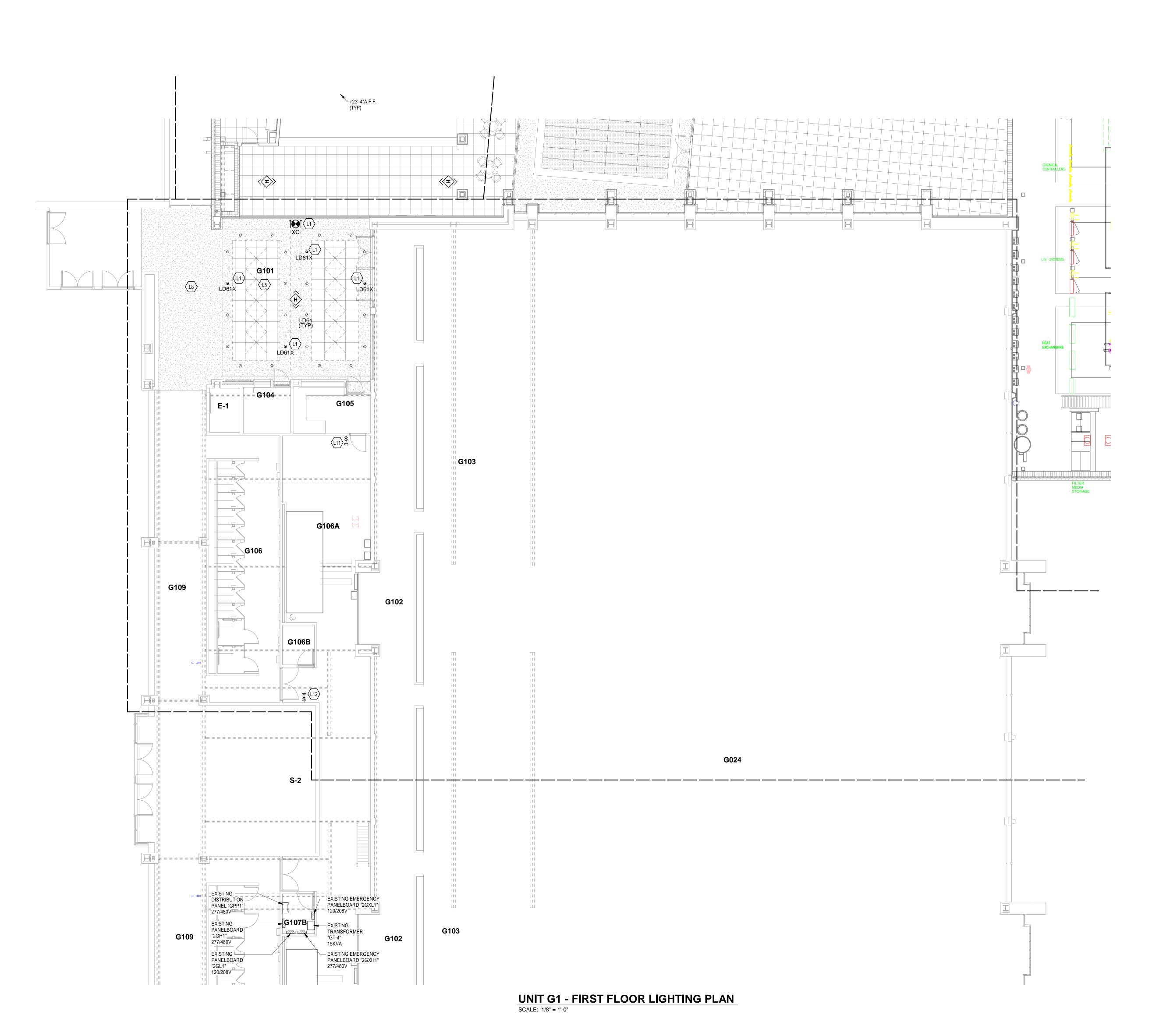


PROJECT NUMBER: 220014.00

PROJECT ISSUE DATE: 12.17.2021

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UNIT N3 - FIRST FLOOR LIGHTING



 ROOM LEGEND - FIRST FLOOR UNIT G1

 ROOM
 AREA

 NO.
 ROOM NAME

 E-1
 ELEVATOR
 50 SF

 G101
 LOBBY
 1590 SF

 G102
 SEATING CROSS AISLE
 1669 SF

 G103
 POOL SEATING
 2418 SF

 G104
 TICKETS
 79 SF

 G105
 CONCESSIONS
 130 SF

 G106
 WOMEN'S RESTROOM
 612 SF

 G106A
 MECHANICAL
 871 SF

 G106B
 TECHNOLOGY
 46 SF

 G109
 CORRIDOR
 1668 SF

GENERAL NOTES - LIGHTING

- FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE
 METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM.
 REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF
 LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS,
 DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR
- RESPECTIVE INSTALLERS.

 REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES
- COMPATIBLE WITH CEILING TYPE.

 4. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND
- SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL "1/E1.04".

 5. LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE
- INDICATED.
 6. PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.

| KEYNOTES | 2 |
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- L1 WIRE EMERGENCY/EXIT SIGN LIGHT FIXTURES IN THIS UNIT TO A SPARE 20AMP, 1-POLE CIRCUIT BREAKER IN THE EXISTING EMERGENCY PANELBOARD "2GXH1".

 L5 WIRE NEW LIGHTING IN THIS AREA TO EXISTING LIGHT CIRCUITS

 L8 EXISTING LIGHT FIXTURES IN THE CEILING TO REMAIN ARE TO BE WIRED TO AND CONTROLLED WITH THE NEW LIGHT FIXTURES IN THIS AREA.
- L11 PROVIDE A NEW 3-WAY LIGHT SWITCH AT THIS LOCATION TO CONTROL EXISTING LIGH FIXTURES IN THIS ROOM.
- L12 REPLACE EXISTING 3-WAY LIGHT SWITCH THAT CONTROLS LIGHT FIXTURES IN THIS ROOM WITH A NEW 4-WAY LIGHT SWITCH.

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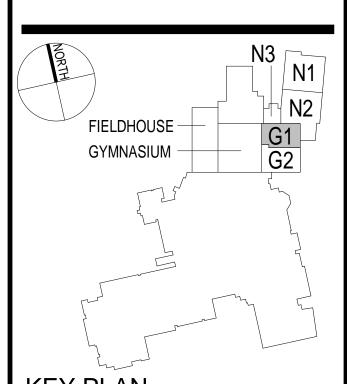
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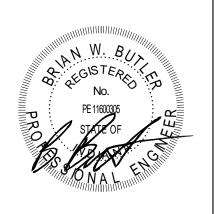


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UNIT G1 - FIRST FLOOR LIGHTING

N_{L13}3

 ROOM LEGEND - UPPER SEATING UNIT N1

 ROOM NO.
 ROOM NAME
 AREA (SF)

 N201 CROSS AISLE
 1369 SF

 N202 POOL SEATING
 1869 SF

 N203 POOL SEATING
 2086 SF

GENERAL NOTES - LIGHTING

- FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM.
 REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR
- RESPECTIVE INSTALLERS.

 3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES
- CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES
 COMPATIBLE WITH CEILING TYPE.

 4. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH
 SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND
- SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL "1/E1.04".

 5. LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE
- INDICATED.

 6. PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.

L13 ALL CONDUITS IN THIS AREA ARE TO BE PAINTED ALUMINUM FOR A POOL ENVIRONMENT.

CARMEL HIGH SCHOOL NATATORIUM

ADDITION AND

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RENOVATIONS

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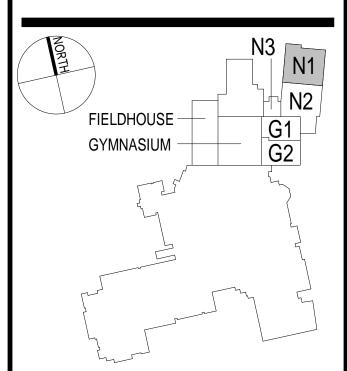
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UNIT N1 - UPPER SEATING LEVEL LIGHTING PLAN



CARMEL HIGH
SCHOOL
NATATORIUM
ADDITION AND
RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

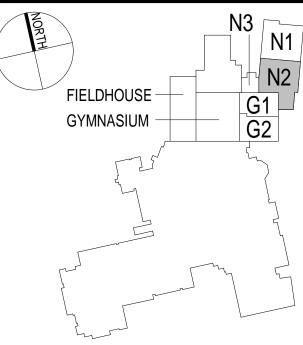
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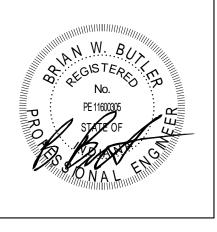
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CONSTRUCTION DOCUMENTS



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UNIT N2 - UPPER SEATING LEVEL LIGHTING PLAN



CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS

GENERAL NOTES - POWER

NO.

N003 COACH

N004 RESTROOM

N005 CUSTODIAL

N011 VESTIBULE N013 POOL CORRIDOR N014 VESTIBULE

N015 VESTIBULE N016 ELECTRICAL

N022 POOL N023 CUSTODIAL N024 RESTROOM

N017 LOCKER ROOM N019 LOCKER ROOM N021 POOL DECK

N025 COACH N026 LOWER CONCOURSE

N027 POOL CORRIDOR

N006 LOCKER ROOM

N008 LOCKER ROOM N009 TECHNOLOGY N010 VESTIBULE

PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD ADDED OR MODIFIED DURING CONSTRUCTION. FIELD VERIFY EXISTING CIRCUIT INFORMATION WITH OWNER'S ASSISTANCE TO ENSURE FINAL DIRECTORY IS ACCURATE. UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION. VIDEO PROJECTOR RECEPTACLE TO BE MOUNTED ABOVE WALL MOUNTED

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL. PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED

ROOM LEGEND - LOWER LEVEL UNIT N1

ROOM NAME

AREA

(SF)

260 SF

87 SF

53 SF

788 SF
718 SF
43 SF
64 SF
59 SF
263 SF
59 SF
63 SF
43 SF
717 SF
784 SF
13162 SF
14163 SF
53 SF

80 SF

234 SF 8297 SF 263 SF

VOLTAGE DROP DUE TO EXCESSIVE CIRCUIT LENGTHS. IN NO CASE SHALL VOLTAGE DROP EXCEED NFPA 70 (N.E.C.) REQUIREMENTS. REFER TO MECHANICAL PLANS FOR LOCATION OF MECHANICAL EQUIPMENT. LOCATE DISCONNECT SWITCHES PER NEC. REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL CONTROL WIRING AND CONTROL CONNECTIONS. ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE, SHALL BE BONDED WITH A

PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR. MAINTAIN

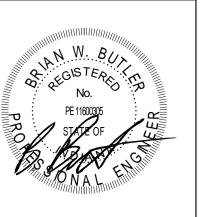
KEYNOTES P1 TECHNOLOGY RACK (IDF) RECEPTACLE. COORDINATE MOUNTING LOCATION AND

<u>ARCHITECT</u>

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UNIT N1 - LOWER LEVEL POWER



ROOM LEGEND - LOWER LEVEL UNIT N2 AREA (SF) **ROOM NAME** 13162 SF 140 SF 74 SF 14163 S 8297 S 263 SF 1470 SF 534 SF 2789 SF 118 SF 114 SF 1139 SF 89 SF 124 SF

CARMEL HIGH

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NATATORIUM RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

690 SF 166 SF

PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD ADDED OR MODIFIED DURING CONSTRUCTION. FIELD VERIFY EXISTING CIRCUIT INFORMATION WITH OWNER'S ASSISTANCE TO ENSURE FINAL DIRECTORY IS ACCURATE. UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION. VIDEO PROJECTOR RECEPTACLE TO BE MOUNTED ABOVE WALL MOUNTED

FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.

CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP DUE TO EXCESSIVE CIRCUIT LENGTHS. IN NO CASE SHALL VOLTAGE REFER TO MECHANICAL PLANS FOR LOCATION OF MECHANICAL EQUIPMENT. LOCATE

ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE, SHALL BE BONDED WITH A PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR. MAINTAIN

TECHNOLOGY RACK (IDF) RECEPTACLE. COORDINATE MOUNTING LOCATION AND INSTALLATION REQUIREMENTS WITH THE TECHNOLOGY CONTRACTOR PRIOR TO

MOUNTING LOCATIONS AND REQUIREMENTS, PROVIDE #10 CONDUCTORS. WITH THE ELEVATOR INSTALLER PRIOR TO ROUGH-IN. TAP THE SOURCE SIDE OF THE PIT RECEPTACLE FOR HTE 120V LIGHT FIXTURES. LIGHT FIXTURE IS TO BE 54 WATT LED, 120V, 4-FOOT LONG, WALL MOUNTED, VANDAL RESISTANT WRAP AROUND FOR HIGH ABUSE AREAS. PROVIDE WITH EMERGENCY BATTERY BACKUP, MANUFACTURERS FAIL-SAFE FPS-4 SERIES, KENALL N1048 SERIES, LUMINAIRE LED LVP751 SERIES,

P5 PROVIDE ELEVATOR DISCONNECT PER THE MANUFACURERS RECOMMENDATIONS WITH SHUNT-TRIP DEVICE IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL

P6 PROVIDE ELEVATOR CAB LIGHTS DISCONNECT PER THE MANUFACTURERS RECOMMENDATIONS AND IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL

P7 NEW DEVICES MOUNTED ON EXISTING WALLS ARE TO BE MOUNTED IN SURFACE

P9 MOUNT THE RECEPTACLES IN THE KNEE SPACE BELOW THE COUNTERTOP ON THE

P10 REFER TO THE POOL PLANS AND SPECIFICATIONS FOR ALL LOCATIONS AND WIRING REQUIREMENTS FOR THE POOL EQUIPMENT IN THIS ROOM, THE POOL DECK, AND THE MECHANICAL MEZZANINE ABOVE. ALL OF THE POOL EQUIPMENT IS TO BE WIRED THROUGH THE POOL ELECTRICAL CONTROLLER FOR EAC OF THE TWO POOLS.

P11 MOUNT DUPLEX RECEPTACLE IN THE FACE OF THE BUILT-IN BENCH AT THIS LOCATION. P12 RECEPTACLE FOR T.V. MONITOR IS MOUNTED INSIDE OF THE VIDEO OUTLET BOX PROVIDED BY THE TECHNOLOGY CONTRACTOR. REFER TO THE TECHNOLOGY PLANS FOR ADDITIONAL REQUIREMENTS AND MOUNTING HEIGHT AND LOCATION.

P15 PROVIDE A TWISTLOCK SPECIAL PURPOSE 30AMP RECEPTACLE FOR THE TECHNOLOGY RACK AT THIS LOCATION AND WIRE TO A SPARE CIRCUIT IN THE NEAREST 120/208V EMERGENCY PANELBOARD. PROVIDE A NEW 30AMP 1-POLE CIRCUIT

P16 A/V EQUIPMENT RACK RECEPTACLES. COORDINATE MOUNTING LOCATIONS AND ADDITIONAL INSTALLATION REQUIREMENTS WITH THE AV CONTRACTOR PRIOR TO P17 RECEPTACLE FOR CABINET MOUNTED MICROWAVE. REFER TO THE A7 DRAWING

REFER TO THE POOL TIMING PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS. MOUNTING HEIGHTS, AND ADDITIONAL REQUIREMENTS FOR THE SCOREBOARD AND RECORDS BOARD PRIOR TO ROUGH-IN.

ALL CONDUITS IN THIS AREA ARE TO BE PAINTED ALUMINUM FOR A POOL P28 VERIFY EXACT MOUNTING HEIGHT AND LOCATION WITH THE POOL TIMING PLANS AND

P30 UNDER WATER POOL LIGHT FIXTURE IS BY THE POOL CONTRACTOR. ALL CONDUITS, WIRING AND WALL MOUNTED JUNCTION BOXES ARE BY THE ELECTRICAL CONTRACTOR. REFER TO THE COMPETITION POOL TIMING SYSTEM LAYOUT AND

P31 REFER TO THE "PL" SERIES DRAWINGS AND DETAILS FOR LOCATION OF CONTROL

CARMEL CLAY SCHOOLS



ARCHITECT

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GYMNASIUM

CONSTRUCTION DOCUMENTS

KEY PLAN



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UNIT N2 - LOWER LEVEL POWER

E5.02



ROOM LEGEND - LOWER LEVEL UNIT G2 ROOM AREA NO. (SF) **ROOM NAME** 330 SF G003 PASSAGE 510 SF 76 SF 61 SF G004 FILTER ROOM G004A FILTER ROOM G004B FILTER ROOM 114 SF 197 SF 738 SF 765 SF 726 SF 53 SF 421 SF 252 SF G005 STORAGE G006 ELECTRICAL G007 MEN'S LOCKER ROOM G008 WOMEN'S LOCKER ROOM G009 WOMEN'S TEAM LOCKER ROOM G009A OFFICE G019 STORAGE
G020 POOL STORAGE
G021 CORRIDOR
G022 PASSAGE G023 POOL DECK 8849 SF 12968 SF 231 SF 529 SF G024 POOL
S-1 STAIR
S-2 STAIR

CARMEL HIGH SCHOOL NATATORIUM

GENERAL NOTES - POWER

ACCURATE, UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION. VIDEO PROJECTOR RECEPTACLE TO BE MOUNTED ABOVE WALL MOUNTED

- ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE
- PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED
- DROP EXCEED NFPA 70 (N.E.C.) REQUIREMENTS.
- REFER TO MECHANICAL PLANS FOR LOCATION OF MECHANICAL EQUIPMENT. LOCATE DISCONNECT SWITCHES PER NEC.
- CONTROL WIRING AND CONTROL CONNECTIONS. ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE, SHALL BE BONDED WITH A

P20 WIRE TO A SPARE 20 AMP, 1-POLE CIRCUIT BREAKER IN THE NEAREST EXISTING 120/208V PANELBOARD WITH SPARE CAPACITY. P25 ALL CONDUITS IN THIS AREA ARE TO BE PAINTED ALUMINUM FOR A POOL

P29 WIRE POOL EQUIPMENT CONTROL PANEL TO A NEW 400AMP/3-POLE SWITCH IN THE EXISTING DISTRIBUTION PANEL "A". VERIFY THE EXACT LOCATION OF THE CONTROL PANEL WITH THE "PL" SERIES DRAWINGS. [PROVIDE A RECEPTACLE AT THIS LOCATION SUITABLE FOR A PLUG FOR A 208V, 1PH.

WITH SPARE CAPACITY IN ROOM G006.

PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD ADDED OR MODIFIED DURING CONSTRUCTION. FIELD VERIFY EXISTING CIRCUIT INFORMATION WITH OWNER'S ASSISTANCE TO ENSURE FINAL DIRECTORY IS

- PROJECTOR BRACKET, 96" A.F.F. UNO. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE
- FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.
- CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP DUE TO EXCESSIVE CIRCUIT LENGTHS. IN NO CASE SHALL VOLTAGE
- REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL
- PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR. MAINTAIN MECHANICAL/ELECTRICAL BONDS OF METALLIC RACEWAY SYSTEM.

KEYNOTES

P10 REFER TO THE POOL PLANS AND SPECIFICATIONS FOR ALL LOCATIONS AND WIRING REQUIREMENTS FOR THE POOL EQUIPMENT IN THIS ROOM, THE POOL DECK, AND THE MECHANICAL MEZZANINE ABOVE. ALL OF THE POOL EQUIPMENT IS TO BE WIRED THROUGH THE POOL ELECTRICAL CONTROLLER FOR EAC OF THE TWO POOLS. CONDUITS ARE TO BE PVC WITH SEALTIGHT FITTINGS. REFER TO THE COPPER FEEDER

ARCHITECT SCHEDULE ON DRAWING SHEET E7.01 FOR WIRING AND CONDUIT SIZING REQUIREMENTS.

30AMP PLUG. WIRE TO A NEW 30AMP, 2-POLE CIRCUIT BREAKER IN AN EXISTING 120/208V PANELBOARD WITH SPARE CAPACITY IN ROOM G006. WIRE WITH 4#10, 3/4"C. PROVIDE A RECEPTACLE AT THIS LOCATION SUITABLE FOR A 120V, 1PH. 30AMP PLUG. WIRE TO A NEW 30AMP, 1-POLE CIRCUIT BREAKER IN AN EXISTING 120/208V PANEL

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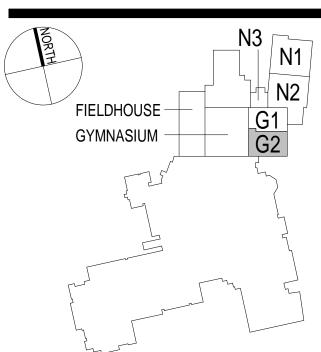
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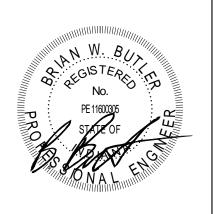




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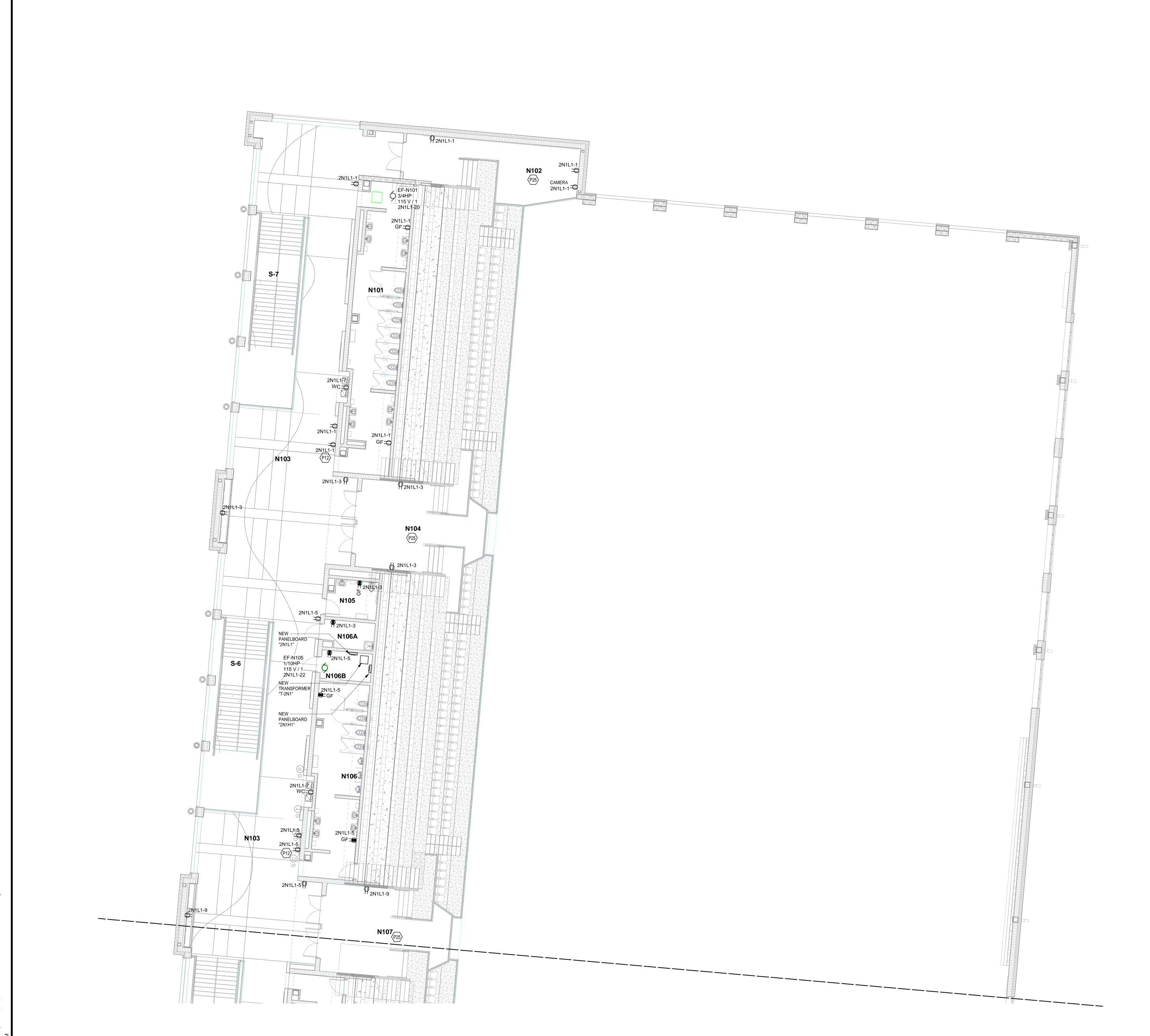
CONSTRUCTION DOCUMENTS



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UNIT G2 - LOWER LEVEL POWER



 ROOM LEGEND - FIRST FLOOR UNIT N1

 ROOM NO.
 ROOM NAME
 AREA (SF)

 N101
 WOMEN'S RESTROOM
 603 SF

 N102
 POOL BALCONY
 412 SF

 N103
 UPPER CONCOURSE
 6428 SF

 N104
 VOMITORIUM
 389 SF

 N105
 FAMILY RR
 81 SF

GENERAL NOTES - POWER

PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD ADDED OR MODIFIED DURING CONSTRUCTION. FIELD VERIFY EXISTING CIRCUIT INFORMATION WITH OWNER'S ASSISTANCE TO ENSURE FINAL DIRECTORY IS ACCURATE. UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION.
 VIDEO PROJECTOR RECEPTACLE TO BE MOUNTED ABOVE WALL MOUNTED PROJECTOR BRACKET, 96" A.F.F. UNO.
 CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

N106 MEN'S RESTROOM N107 VOMITORIUM

FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.
 PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED DEVICE.
 CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP DUE TO EXCESSIVE CIRCUIT LENGTHS. IN NO CASE SHALL VOLTAGE

4. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE

DROP EXCEED NFPA 70 (N.E.C.) REQUIREMENTS.

7. REFER TO MECHANICAL PLANS FOR LOCATION OF MECHANICAL EQUIPMENT. LOCATE DISCONNECT SWITCHES PER NEC.

8. REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL CONTROL WIRING AND CONTROL CONNECTIONS.

9. ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE, SHALL BE BONDED WITH A PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR. MAINTAIN MECHANICAL/ELECTRICAL BONDS OF METALLIC RACEWAY SYSTEM.

KEYNOTES

P12 RECEPTACLE FOR T.V. MONITOR IS MOUNTED INSIDE OF THE VIDEO OUTLET BOX PROVIDED BY THE TECHNOLOGY CONTRACTOR. REFER TO THE TECHNOLOGY PLANS FOR ADDITIONAL REQUIREMENTS AND MOUNTING HEIGHT AND LOCATION.

P25 ALL CONDUITS IN THIS AREA ARE TO BE PAINTED ALUMINUM FOR A POOL

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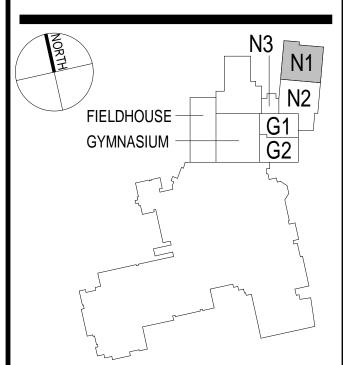
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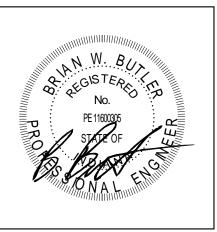


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CONSTRUCTION DOCUMENTS



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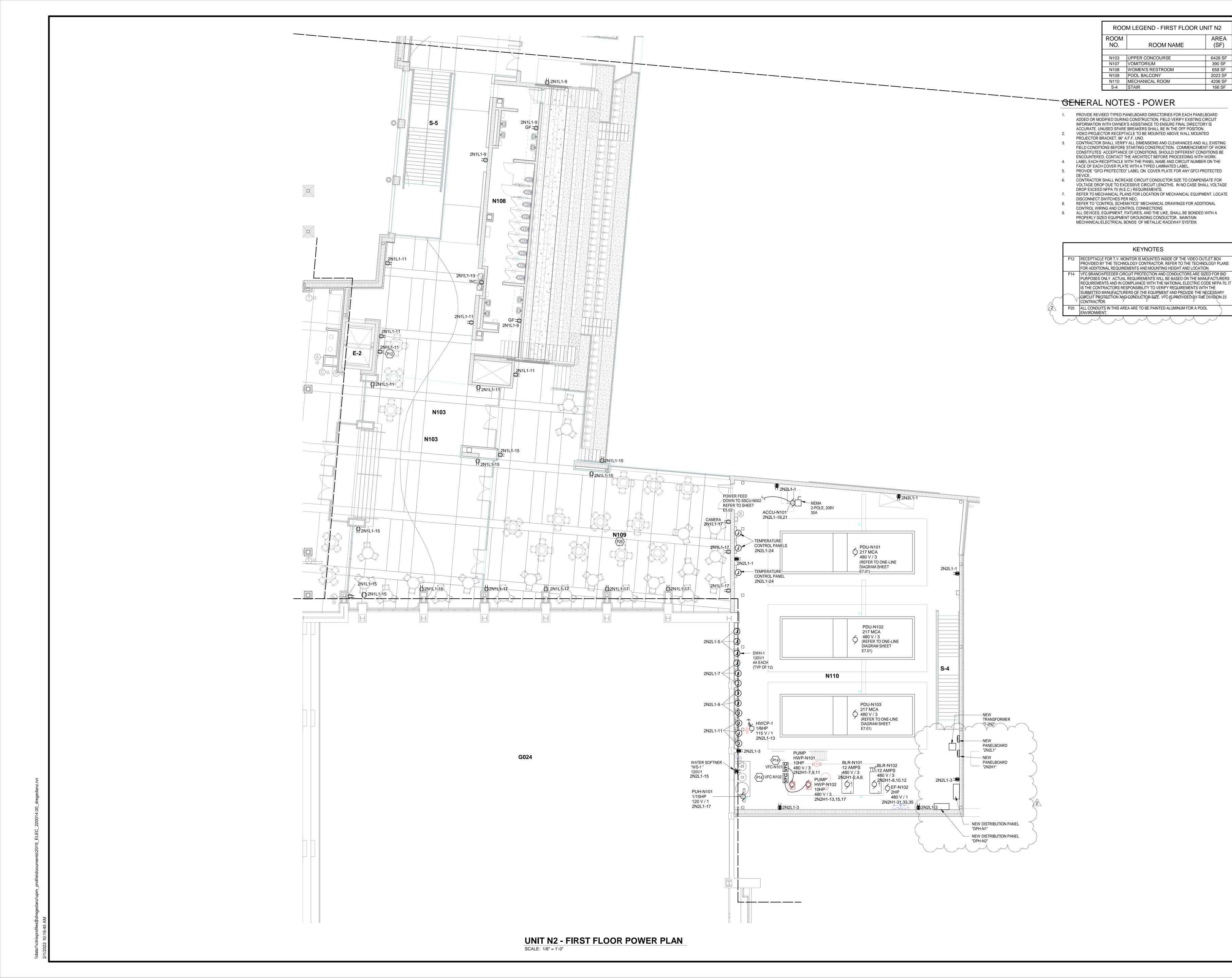
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UNIT N1 - FIRST FLOOR POWER PLAN

E5.06

UNIT N1 - FIRST FLOOR POWER PLAN



CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

AREA (SF)

6428 SF

390 SF

658 SF

4206 SF 166 SF

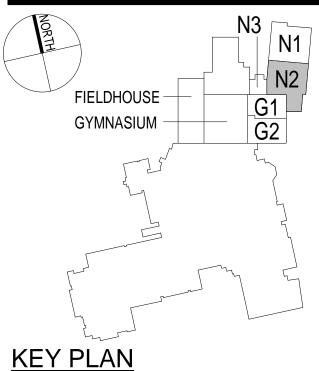
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UNIT N2 - FIRST FLOOR POWER



ROOM LEGEND - UPPER SEATING UNIT N1

| OM | | AREA |
|-----|--------------|---------|
| Ο. | ROOM NAME | (SF) |
| | | |
| 201 | CROSS AISLE | 1369 SF |
| 202 | POOL SEATING | 1869 SF |
| 203 | POOL SEATING | 2086 SF |

GENERAL NOTES - POWER

PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD ADDED OR MODIFIED DURING CONSTRUCTION. FIELD VERIFY EXISTING CIRCUIT

N202 POOL SEATING
N203 POOL SEATING

- INFORMATION WITH OWNER'S ASSISTANCE TO ENSURE FINAL DIRECTORY IS ACCURATE. UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION. VIDEO PROJECTOR RECEPTACLE TO BE MOUNTED ABOVE WALL MOUNTED PROJECTOR BRACKET, 96" A.F.F. UNO.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE
- ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK. 4. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE
- FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL. PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED
- CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP DUE TO EXCESSIVE CIRCUIT LENGTHS. IN NO CASE SHALL VOLTAGE DROP EXCEED NFPA 70 (N.E.C.) REQUIREMENTS.
- REFER TO MECHANICAL PLANS FOR LOCATION OF MECHANICAL EQUIPMENT. LOCATE DISCONNECT SWITCHES PER NEC.
 REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL
- CONTROL WIRING AND CONTROL CONNECTIONS.
 ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE, SHALL BE BONDED WITH A

PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR. MAINTAIN MECHANICAL/ELECTRICAL BONDS OF METALLIC RACEWAY SYSTEM.

KEYNOTES P25 ALL CONDUITS IN THIS AREA ARE TO BE PAINTED ALUMINUM FOR A POOL ENVIRONMENT.

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CARMEL HIGH

NATATORIUM

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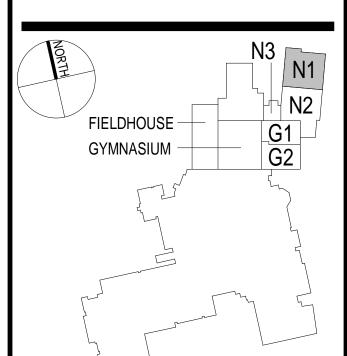
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520 E MAIN STREET

CARMEL, IN 46032



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UNIT N1 - UPPER SEATING LEVEL POWER PLAN



ROOM LEGEND - UPPER SEATING UNIT N2 ROOM NO. **ROOM NAME**

(SF) N201 CROSS AISLE N204 POOL SEATING 2206 SF 166 SF

GENERAL NOTES - POWER

PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD ADDED OR MODIFIED DURING CONSTRUCTION. FIELD VERIFY EXISTING CIRCUIT INFORMATION WITH OWNER'S ASSISTANCE TO ENSURE FINAL DIRECTORY IS ACCURATE. UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION. VIDEO PROJECTOR RECEPTACLE TO BE MOUNTED ABOVE WALL MOUNTED PROJECTOR BRACKET, 96" A.F.F. UNO.

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK. 4. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.

PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP DUE TO EXCESSIVE CIRCUIT LENGTHS. IN NO CASE SHALL VOLTAGE

DROP EXCEED NFPA 70 (N.E.C.) REQUIREMENTS. REFER TO MECHANICAL PLANS FOR LOCATION OF MECHANICAL EQUIPMENT. LOCATE DISCONNECT SWITCHES PER NEC. REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL

KEYNOTES

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CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

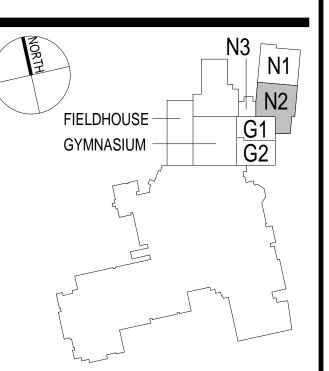
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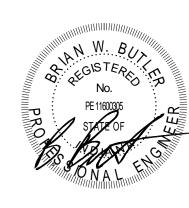




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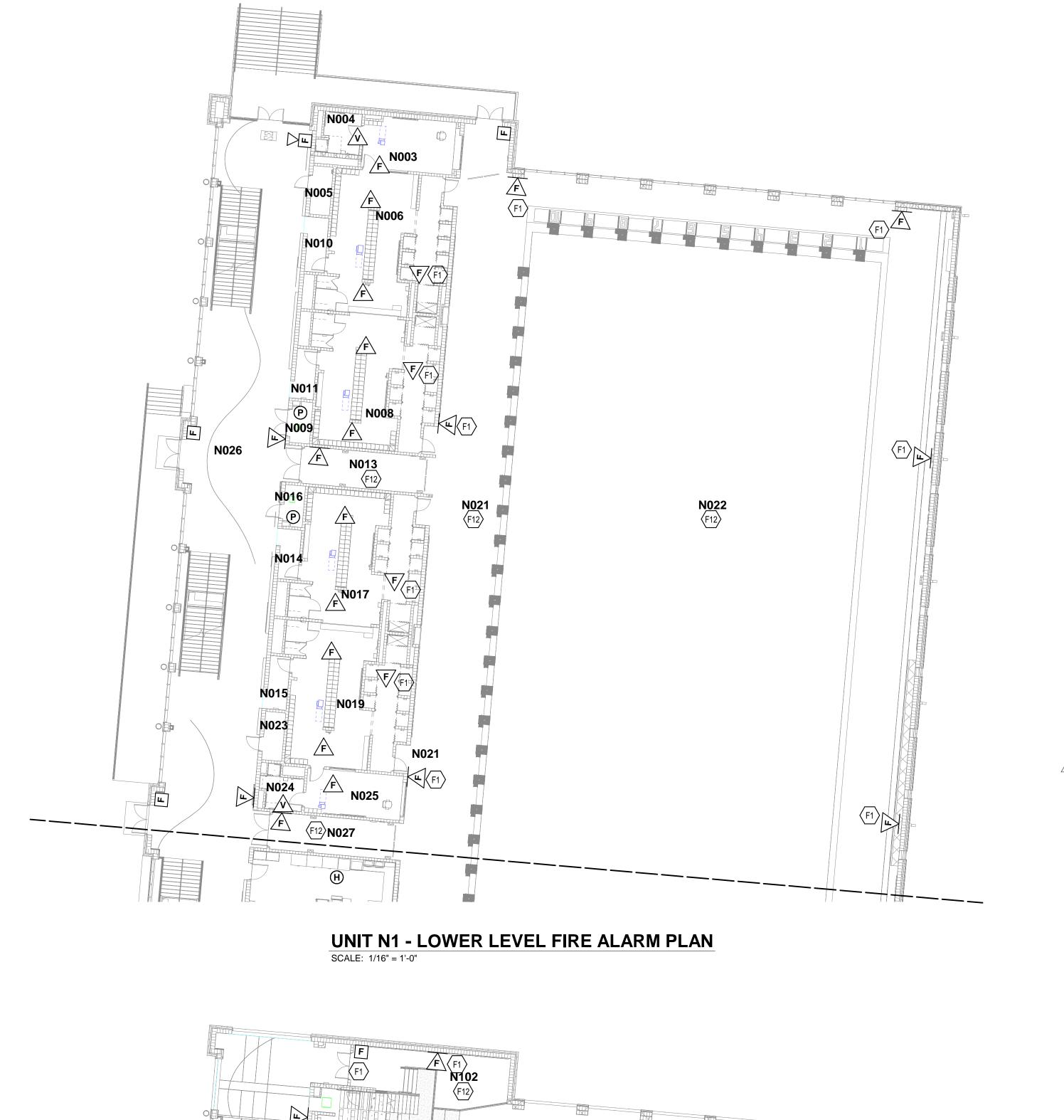
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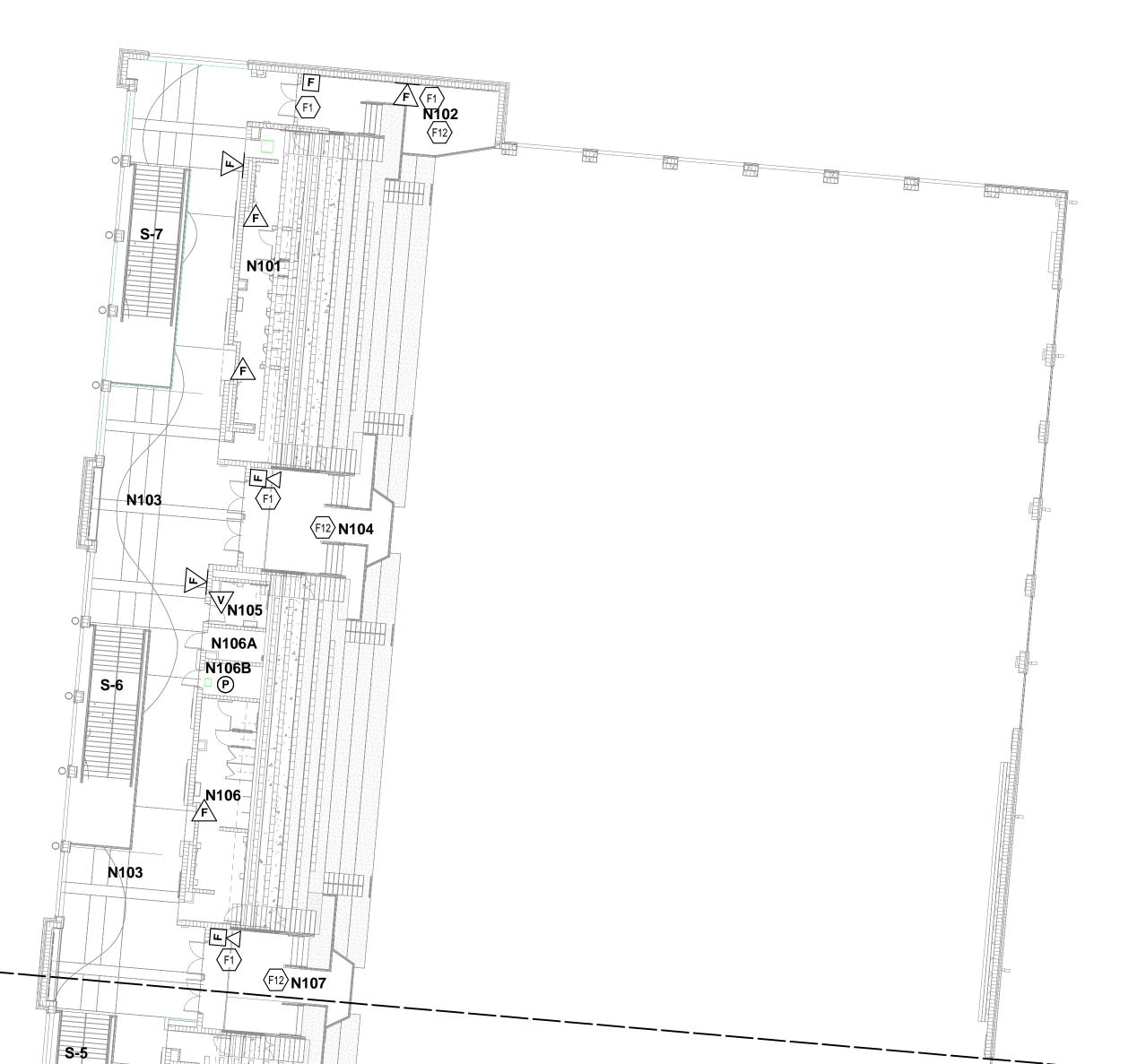


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UNIT N2 - UPPER SEATING LEVEL POWER PLAN





ROOM LEGEND - LOWER LEVEL UNIT N1 ROOM NO. AREA (SF) **ROOM NAME** N003 COACH N004 RESTROOM N005 CUSTODIAL 87 SF 53 SF N006 LOCKER ROOM 718 SF 718 SF 43 SF 64 SF 59 SF 263 SF 59 SF 63 SF 43 SF 717 SF N008 LOCKER ROOM N009 TECHNOLOGY
N010 VESTIBULE
N011 VESTIBULE
N013 POOL CORRIDOR N014 VESTIBULE N015 VESTIBULE N016 ELECTRICAL N017 LOCKER ROOM 784 SF 13162 SF 14163 SF 53 SF
 N017
 LOCKER ROOM

 N019
 LOCKER ROOM

 N021
 POOL DECK

 N022
 POOL

 N023
 CUSTODIAL
 N024 RESTROOM 80 SF N025 COACH 234 SF N026 LOWER CONCOURSE N027 POOL CORRIDOR 8297 SF 263 SF

ROOM LEGEND - FIRST FLOOR UNIT N1

ROOM NAME

ROOM LEGEND - UPPER SEATING UNIT N1

ROOM NAME

N101 WOMEN'S RESTROOM N102 POOL BALCONY

N103 UPPER CONCOURSE
N104 VOMITORIUM
N105 FAMILY RR
N106 MEN'S RESTROOM
N107 VOMITORIUM

N201 CROSS AISLE
N202 POOL SEATING
N203 POOL SEATING

GENERAL NOTES - FIRE ALARM

1. ALL NEW FIRE ALARM DEVICES TO BE CONNECTED TO THE EXISTING FIRE

3. FIRE ALARM LAYOUT IS SHOWN FOR COVERAGE AREA ONLY. CONTRACTOR SHALL PROVIDE DEVICES AS REQUIRED FOR COMPLETE COVERAGE..

KEYNOTES

F1 NEW FIRE ALARM DEVICE TO BE RATED FOR DAMP LOCATION.

F12 ALL CONDUITS IN THIS AREA ARE TO BE PAINTED ALUMINUM FOR A POOL ENVIRONMENT.

COORDINATE WITH EXISTING EQUIPMENT. PROVIDE PROGRAMMING AND

AREA (SF)

603 SF 412 SF

390 SF

AREA

(SF)

1369 SF 1869 SF 2086 SF

ROOM NO.

NO.

ALARM SYSTEM.

TESTING AS REQUIRED.

SCHOOL NATATORIUM ADDITION AND RENOVATIONS

CARMEL HIGH

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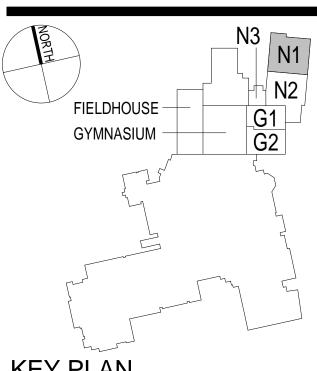
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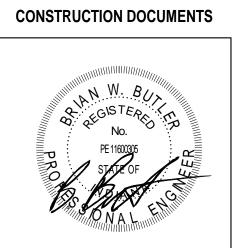
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UNIT N1 - FIRE ALARM PLANS

UNIT N1 - UPPER SEATING LEVEL FIRE ALARM PLAN SCALE: 1/16" = 1'-0"

UNIT N1 - FIRST FLOOR FIRE ALARM PLAN



ROOM LEGEND - LOWER LEVEL UNIT N2 ROOM NO. AREA (SF) **ROOM NAME** N021 POOL DECK N021A TIMING 13162 SF 140 SF N021C VESTIBULE N021D VIDEO DISTRIBUTION 14163 SF 8297 SF N022 POOL N026 LOWER CONCOURSE N027 POOL CORRIDOR N028 HOSPITALITY N028A FOOD PREP N029 THERAPY POOL N030 DIVING N031 RESTROOM 229 SF 92 SF 80 SF 150 SF 49 SF 534 SF N032 RESTROOM N033 TECHNOLOGY

> 118 SF 114 SF 1139 SF 89 SF 124 SF 690 SF 166 SF N037A VESTIBULE N038 FIRE RISER N039 PASSAGE ROOM LEGEND - FIRST FLOOR UNIT N2 AREA ROOM **ROOM NAME** NO. (SF) N103 UPPER CONCOURSE N107 VOMITORIUM 6428 SF 390 SF 658 SF N108 WOMEN'S RESTROOM
> N109 POOL BALCONY 2023 SF N110 MECHANICAL ROOM 4206 SF S-4 STAIR 166 SF ROOM LEGEND - UPPER SEATING UNIT N2 ROOM NO. AREA (SF) **ROOM NAME** N201 CROSS AISLE
> N204 POOL SEATING
> S-4 STAIR

GENERAL NOTES - FIRE ALARM

N033A A/V STORAGE

N034 CONCESSIONS N034A ELECTRICAL N035 POOL STORAGE

N036 POOL EQUIPMENT

N036A POOL EQUIPMENT N036B POOL EQUIPMENT N037 POOL STORAGE

ALL NEW FIRE ALARM DEVICES TO BE CONNECTED TO THE EXISTING FIRE ALARM SYSTEM. COORDINATE WITH EXISTING EQUIPMENT. PROVIDE PROGRAMMING AND TESTING AS REQUIRED. 3. FIRE ALARM LAYOUT IS SHOWN FOR COVERAGE AREA ONLY. CONTRACTOR

| | . | SHALL PROVIDE DEVICES AS REQUIRED FOR COMPLETE COVERAGE |
|---|----------|--|
| | | KEYNOTES |
| | F1 | NEW FIRE ALARM DEVICE TO BE RATED FOR DAMP LOCATION. |
| Ī | F2 | PROVIDE A DUCT MOUNTED SMOKE DETECTOR ON EACH SUPPLY AND RETURN AIR DUCT FOR THIS MECHANICAL UNIT. VERIFY QUANTITIES IN THE FIELD. PROVIDE A REMOTE TEST SWITCH AT 44-INCHES FOR EACH DUCT DETECTOR NOT ACCESSIBLE FROM FLOOR LEVEL. |
| | F3 | DUCT MOUNT RELAY FOR UNIT SHUTDOWN. |
| | F4 | SMOKE DETECTOR TO BE CONNECTED TO THE ELEVATOR CONTROL SYSTEM FOR ELEVATOR CAR RECALL TO THE APPROPRIATE FLOOR UPON SENSING SMOKE. COORDINATE CONNECTION TO ELEVATOR CONTROL SYSTEM WITH ELEVATOR SUPPLIER/INSTALLER PRIOR TO ROUGH-IN AND PROVIDE ALL REQUIRED MODULES, RELAYS, ETC. TO CONTROL ELEVATOR PER ALL APPLICABLE CODES. |
| | F5 | PROVIDE REMOTE LED INDICATOR FOR SMOKE DETECTION IN ELEVATOR SHAFT. INSTALL IN LAY-IN CEILING TILE NEAR ELEVATOR DOOR AND WIRE TO DETECTOR IN ELEVATOR SHAFT. COORDINATE EXACT LOCATION WITH LIGHTING, ETC., PRIOR TO ROUGH-IN. |
| | F6 | FIRE ALARM SYSTEM FLOW SWITCH AND TAMPER SWITCH ARE TO BE CONNECTED TO THE FIRE PROTECTION SYSTEM BRANCH SPRINKLER PIPING LOCATED IN THE ROOM. UPON FLOW OF WATER IN THE FIRE PROTECTION SYSTEM LOCALLY IN THE ROOM, THE FIRE ALARM SYSTEM SHALL SHUT DOWN POWER TO THE ELEVATOR MAIN DISCONNECT/CONTROLLER SWITCH VIA SHUNT TRIP DEVICE IN MAIN DISCONNECT/CONTROLLER. PROVIDE ALL REQUIRED WIRING, MODULES, RELAYS, ETC., REQUIRED TO SHUT DOWN POWER TO THE ELEVATOR AS INDICATED. COORDINATE CONNECTION REQUIREMENTS WITH SUPPLIED MAIN DISCONNECT/CONTROLLER SWITCH. REFER TO "E5" DRAWING SHEETS FOR LOCATION OF MAIN DISCONNECT/CONTROLLER SWITCH AND ADDITIONAL INFORMATION. COORDINATE LOCATION OF FLOW SWITCH WITH FIRE PROTECTION SYSTEM CONTRACTOR IN THE FIELD PRIOR TO ROUGH-IN. |
| | F8 | WIRE NEW FLOW SWITCHES AND SUPERVISORY VALVE TAMPER SWITCHES TO THE EXISTING FIRE ALARM SYSTEM. VERIFY LOCATION AND QUANTITIES IN THE FIELD WITH THE FIRE PROTECTION PLANS. |
| | F9 | PROVIDE A FIRE ALARM CONNECTION TO THE POST INDICATOR VALVE(PV). VERIFY EXACT LOCATION IN THE FIELD. |
| | F10 | PROVIDE C02 (CARBON DIOXIDE) DETECTION IN THIS ROOM AND INTEGRATE WITH THE FIRE ALARM SYSTEM. |
| | F11 | FIRE ALARM BELL IS TO BE WIRED TO THE MAIN FIRE ALARM SYSTEM AND IS TO RING IN THE EVENT OF WATER FLOW DETECTED BY THE FLOW SWITCHES AND SUPERVISORY VALVES IN THE FIRE SUPRESSION SYSTEM. |
| (| F12 | ALL CONDUITS IN THIS AREA ARE TO BE PAINTED ALUMINUM FOR A POOL ENVIRONMENT. |
| | F13 | PROVIDE A FIRE ALARM RELAY AT THE MECHANICAL UNIT TEMPERATURE CONTROL PANEL. |
| | | |

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CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

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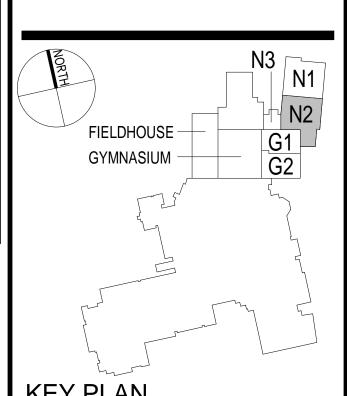
2789 SF

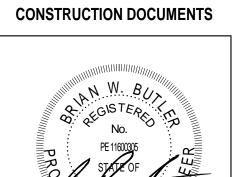
1369 SF 2206 SF 166 SF CARMEL CLAY SCHOOLS





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UNIT N2 - FIRE ALARM PLANS

E6.02

CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS



ARCHITECT

CONDUIT

Inches

#12

#12

#10

#10

#6

#6

#1/0 #6

COPPER FEEDER SCHEDULE

SOURCE 2014 NEC T310.15(B)(16), COPPER 75C, (THHW, THW, THWN,

3 # 12

3 # 10

3#8

3 # 2/0

#10

3 # 3 #8

3 # 1 #1 #6

3 # 3/0 #3/0 #6

LEGEND

30N

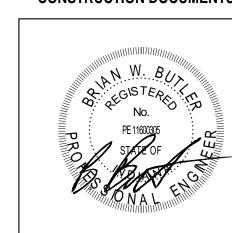
100N

175

FANNING HOWEY

317.848.0966 WWW.FHAI.COM350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204

CONSTRUCTION DOCUMENTS

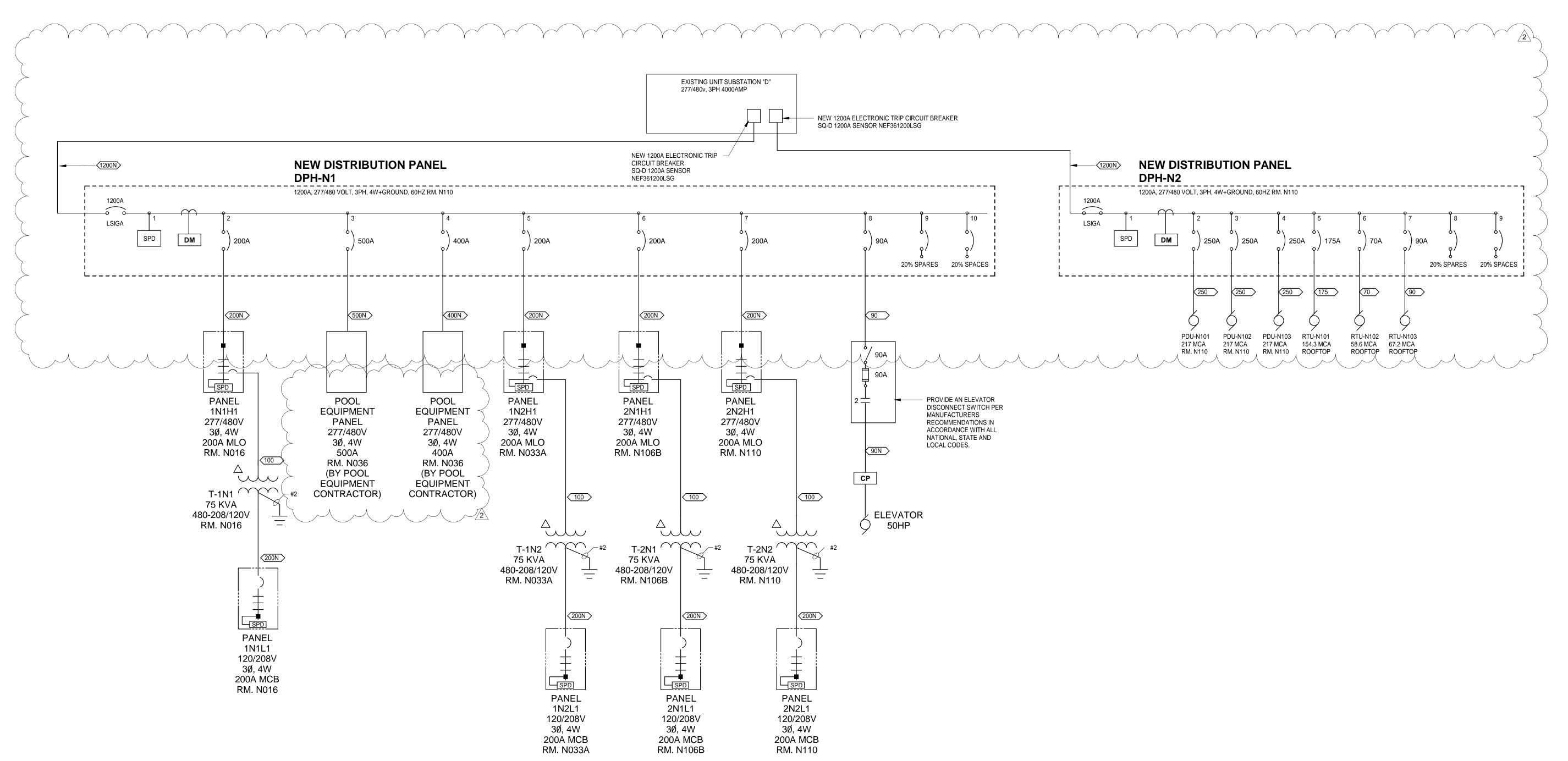


DRAWN BY: MMS
PROJECT NUMBER: 220014.00
PROJECT ISSUE DATE: 12.17.2021

| REV. NO.△ | DESCRIPTION | DATE |
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| 2 | ADDENDUM #2 | 2.01.2022 |
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ONE-LINE DIAGRAMS

E7.01



| √A 3/120V | | | | | 225 | 1 | 3 # 4/0 | | #4 | 2 1/2 |
|--|-----|------------|--------------|---------------------|-------|---|----------|------|------|-------|
| 3/120V | | | | | 225N | 1 | 3 # 4/0 | #4/0 | #4 | 2 1/2 |
| | | | | | 250 | 1 | 3 # 250 | | #4 | 2 1/2 |
| | | | | | 250N | 1 | 3 # 250 | #250 | #4 | 2 1/2 |
| <200N > | | | | | 300 | 1 | 3 # 350 | | #3 | 3 |
| | | | | | 300N | 1 | 3 # 350 | #350 | #3 | 3 |
| | | | | | 350 | 1 | 3 # 500 | | #3 | 4 |
| | | | | | 350N | 1 | 3 # 500 | #500 | #3 | 4 |
| <u> </u> | | | | | 400 | 1 | 3 # 600 | | #3 | 4 |
| | | | | | 400N | 1 | 3 # 600 | #600 | #3 | 4 |
| SPD | | | | | 500 | 2 | 3 # 250 | | #2 | 2 1/2 |
| PANEI | | | | | 500N | 2 | 3 # 250 | #250 | #2 | 2 1/2 |
| 2N2I 1 | | | | | 600 | 2 | 3 # 350 | | #1 | 3 |
| PANEL 2N2L1 120/208V 3Ø, 4W 200A MCB | | | | | 600N | 2 | 3 # 350 | #350 | #1 | 3 |
| 3Ø, 4W | | | | | 800 | 2 | 3 # 600 | | #1/0 | 4 |
| 200A MCB | | | | | 800N | 2 | 3 # 600 | #600 | #1/0 | 4 |
| RM. N110 | | | | | 1000 | 3 | 3 # 400 | | #2/0 | 3 |
| | | | | | 1000N | 3 | 3 # 400 | #400 | #2/0 | 3 |
| | | | | | 1200 | 3 | 3 # 600 | | #3/0 | 4 |
| ONE LINE DIAGRAM | | | | | 1200N | 3 | 3 # 600 | #600 | #3/0 | 4 |
| ONE-LINE DIAGRAM | | | | | 1600 | 4 | 3 # 600 | | #4/0 | 4 |
| SCALE: N.T.S. | | | | | 1600N | 4 | 3 # 600 | #600 | #4/0 | 4 |
| | | | | | 2000 | 5 | 3 # 600 | | #250 | 4 |
| | | | | | 2000N | 5 | 3 # 600 | #600 | #250 | 4 |
| | | | | | 2500 | 6 | 3 # 600 | | #350 | 4 |
| | | | | | 2500N | 6 | 3 # 600 | #600 | #350 | 4 |
| | | | | | 3000 | 7 | 3 # 600 | | #400 | 4 |
| | | | | | 3000N | 7 | 3 # 600 | #600 | #400 | 4 |
| | | | | | 3300 | 8 | 3 # 600 | | #400 | 4 |
| | | | | | 3300N | 8 | 3 # 600 | #600 | #400 | 4 |
| | | | | | 3700 | 9 | 3 # 600 | | #400 | 4 |
| | | | | | 3700N | 9 | 3 # 600 | #600 | #400 | 4 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | ONI | E LINE DIA | GRAM SYMBOLS | | | | | | | |
| | | | | FUSED SWITCH IN | | | <u> </u> | | | |

| | ONI | E LINE DIA | GRAM SYMBOLS | | | | |
|--|---|--|--|---------------------|--|--|--|
| MAIN LUG ONLY | DIGITAL ELECTRONIC POWER METER | • | | -9_0FIII- | FUSED SWITCH IN SWITCHBOARD, 3P UNO | | FUSED POTENTIAL TRANSFORMER |
| CIRCUIT BREAKER PANELBOARD, REFER TO E8 SERIES DRAWINGS FOR PANELBOARD SCHEDULES | K KIRK KEY INTERLOCK | 皇景 | COMBINATION MAGNETIC MOTOR STARTER WITH FUSED SWITCH | -0,0- | DISCONNECT SWITCH IN SWITCHBOARD, 3P UNO | | CURRENT TRANSFORMERS, 3 UNO |
| 1AL1 | — M UTILITY METER | ſ • | | | FUSED BOLTED PRESSURE SWITCH WITH GROUND FAULT AND SINGLE PHASE PROTECTION, 3P | | CAPACITOR |
| MAIN BREAKER IN CIRCUIT BREAKER PANELBOARD, REFER TO E8 SERIES DRAWINGS | MAIN BREAKER IN CIRCUIT BREAKER PANELBOARD WITH SUB-FEED BREAKER, | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | COMBINATION MAGNETIC MOTOR STARTER WITH CIRCUIT BREAKER | <u>E</u> | TRANSFER SWITCH | —————————————————————————————————————— | EARTH GROUND |
| FOR PANELBOARD SCHEDULES 2AL1 | REFER TO E8 SERIES DRAWINGS FOR PANELBOARD SCHEDULES 5AL1 | 5 | COMBINATION MAGNETIC MOTOR | | DISCONNECT, 3P UNO | -o ^{LA} o ı | LIGHTNING ARRESTER |
| THROUGH FEED LUGS | MAIN BREAKER IN | T F | STARTER WITH MOTOR CIRCUIT PROTECTOR | | MOLDED CASE CIRCUIT BREAKER, 3P UNO | | PLUG AND RECEPTACLE OR DRAWOUT DEVICE |
| CIRCUIT BREAKER PANELBOARD, REFER TO E8 SERIES DRAWINGS FOR PANELBOARD SCHEDULES | CIRCUIT BREAKER PANELBOARD WITH INTEGRAL BUS CONNECTED SPD, REFER TO E8 SERIES DRAWINGSFOR PANELBOARD | • | COMBINATION MAGNETIC MOTOR | | CIRCUIT BREAKER IN SWITCHBOARD, 3P UNO | | POWER TRANSFORMER |
| BAL1 | SCHEDULES 6AL1 | vsc | STARTER WITH VARIABLE SPEED CONTROLLER | - | INSULATED CASED POWER CIRCUIT BREAKER WITH L.I.S.G. PROTECTION FEATURES, 3P UNO | | 3 PHASE MOTOR. X INDICATES |
| MAIN DOUBLE LUG CIRCUIT BREAKER PANELBOARD. | MAIN BREAKER IN CIRCUIT BREAKER PANELBOARD | 1 , | | — ← ← → → | DRAWOUT CIRCUIT BREAKER, 3P UNO | (x)/ | HORSEPOWER OR KILOWATTS |
| REFER TO E8 SERIES DRAWINGS FOR PANELBOARD SCHEDULES | WITH SPD MOUNTED ADJACENT WITH CLOSED NIPPLE, REFER TO E8 SERIES DRAWINGS FOR PANELBOARD SCHEDULES | ED T | COMBINATION MAGNETIC MOTOR STARTER WITH ELECTRONIC OVERLOADS | <u>\$</u> | SHUNT TRIP OPERATED CIRCUIT BREAKER | СР | CONTROL PANEL FURNISHED UNDER DIVISION 25 |
| 4AL1 | 7AL1 | 7 | | | DREARER | G | GENERATOR |

| | | | | | LU | JMINAIRE | SCHEDULE | | | | | | | LUMINAIRE S | CHEDULE |
|----------|--|----------------------|------------------|-----------------------|--------------------|-------------------|--|----------------|--------------|---|----------------------|--------------|-----------------------|-------------------------|--|
| AN PE | MANUFACTURER/CATALOG | MOUNTING | | LAMPS S TYPE | LUMEN S | APPLIEI VOLTAG | | VA LOAD | PLAN TYPE | MANUFACTURER/CATALOG | MOUNTING N | | LAMPS TYPE | LUMEN APPLIED S VOLTAGE | |
| | SPI LIGHTRUSS LED GEN2 SERIES PROVIDE AN ALLOWANCE FOR MATERIAL ONLY. ADD LABOR | SUSPENDED | 1 433 W | LED | 54904 Im | 277 V | LED INDIRECT TRUSS SYSTEM FIXTURE. NATATORIUM RATED 4,000K. COLOR SELECTED FROM MANUFACTURERS STANDARD COLORS. | 433 VA | | METALUX WNLED SERIES DAY-BRITE OWL SERIES LITHONIA SBL SERIES COLUMBIA LAW SERIES | SUSPENDED 1 | 48 W | LED | 4000 lm 277 V | 4-FOOT LED WRAP AROUND FIXTURE, ACRYLIC PRISMATIC DIFFUSER, 0-10VDC DIMMING, WITH EMERGENCY TRANSFER DEVICE. IF SUSPENDED, INSTALL AT 8-FOOT AFF WITH CONDUIT STEMS (UNO). |
| | REQUIRED FOR INSTALLATION SPI LIGHTRUSS LED GEN2 SERIES PROVIDE AN ALLOWANCE FOR | SUSPENDED | 1 433 W | LED | 54904 Im | 277 V | LED INDIRECT CONTINUOUS TRUSS SYSTEM FIXTURE. NATATORIUM RATED, 4,000K. COLOR TO BE SELECTED FROM MANUFACTURERS STANDARD COLORS. EMERGENCY LIGHTING CONTROL DEVICE TO SWITCH BETWEEN EMERGENCY AND NORMAL | 433 VA | | LITHONIA VAP LED SERIES METALUX 4VT2 LED SERIES COLUMBIA LXEM SERIES | SUSPENDED 1 | 64 W | LED | 8000 lm 277 V | 4-FOOT LED VANDAL RESISTANT, GASKETED, WRAP AROUND FIXTURE FOR HIGH ABUSE AREAS WITH CLEAR POLYCARBONATE LENS. WIDE DISTRIBUTION. PROVIDE WITH AIRCRAFT CABLE HANGERS AND ASSOCIATED HARDWARE. MOUNT AT 10'-0" ABOVE FINISH FLOOR U.N.O. |
| | MATERIAL ONLY. ADD LABOR REQUIRED FOR INSTALLATION COOPER INVUE SPI LIGHTING - NOVATO LINES | BOLLARD SUSPENDED | 1 37 W 1 32 W | LED LED | 1276 lm 3300 lm | | CIRCUITS. 36" TALL BOLLARD, DIE CAST ALUMINUM HOUSING, SYMETRIC DISTRIBUTION, AIP12235 4FT-L32W 4 FOOT RADIUS X 45 DEGREE (HIGH OUTPUT) 3-SIDE LUMINOUS | 37 VA 32 VA | | LITHONIA VAP LED SERIES METALUX 4VT2 LED SERIES COLUMBIA LXEM SERIES | SUSPENDED 1 | 64 W | LED | 8000 lm 277 V | 4-FOOT LED VANDAL RESISTANT, GASKETED, WRAP AROUND FIXTURE FOR HIGH ABUSE AREAS WITH CLEAR POLYCARBONATE LENS. WIDE DISTRIBUTION. PROVIDE WITH AIRCRAFT CABLES AND ASSOCIATED HARDWARE. CONNECT TO EMERGENCY TRANSFER DEVICE. MOUNT AT 10'-0" A.F.F. (U.N.O.) |
| 5 | AND ARCS SERIES SPI LIGHTING - NOVATO LINES AND ARCS SERIES | SUSPENDED | 1 35 W | LED | 3900 lm | 277 V | FORM LENS AIP12235 5FT-L35W 4 FOOT RADIUS X 45 DEGREE (HIGH OUTPUT) 3-SIDE LUMINOUS FORM LENS | 35 VA | LS1 | COOPER INVUE | POLE TOP 1 | 270 W | LED | 29800 277 V Im | OUTDOOR POLE MOUNTED LED LIGHT FIXTURE, DIE CAST ALUMINUM HOUSING, SPIDER MOUNT, BLACK, TYPE 3 DISTRIBUTION. MOUNT ON A 30'-0" STRAIGHT ROUND VA ALUMINUM POLE. |
| 3 | SPI LIGHTING - NOVATO LINES AND ARCS SERIES | | h 10 11 | LED | 4900 lm | 277 V | AIP12235 6FT-L48W 6 FOOT RADIUS X 45 DEGREE (HIGH OUTPUT) 3-SIDE LUMINOUS FORM LENS | 48 VA | LS2 | COOPER INVUE | POLE TOP 1 | 270 W | LED | 13468 277 V Im | OUTDOOR POLE MOUNTED LED LIGHT FIXTURE, DIE CAST ALUMINUM HOUSING, SPIDER MOUNT, BLACK, TYPE 3 DISTRIBUTION. MOUNT ON A 12'-0" STRAIGHT ROUND VA |
| | PORTFOLIO LD6A SERIES GOTHAM EVO SERIES PRESCOLITE LC6 SERIES LIGHTOLIER C6L SERIES | RECESSED | 1 22 W | LÉD | 3000 m | 277 V | 6-MCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 4000K, 80+ CRI, 0-10VDC DIMMING, BAR HANGER ACCESSORY. | 22 VA | LT044H | MARK ARCHITECTURAL SLOT 4 LED SERIES LUMENWERX VIA 4 SERIES | RECESSED 1 | 40 W | LED | 1000 lm 277 V | ALUMINUM POLE. 4" BY 4-FOOT LED SLOT FIXTURE, MOUNTING METHOD PER PLANS, 100% DOWNLIGHT WITH ACRYLIC FLUSH SMOOTH DIFFUSER, 80 CRI, 0-10VDC DIMMING DRIVER. LUMENS LISTED IS PER LINEAR FOOT. |
| < | PORTFOLIO LD6A SERIES GOTHAM EVO SERIES PRESCOLITE LC6 SERIES LIGHTOLIER C6L SERIES | RECESSED | 1 11 W | LED | 1500 lm | 277 V | 6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 4000K, 80+ CRI. 0-10VDC DIMMING, BAR HANGER ACCESSORY, WITH EMERGENCY TRANSFER DEVICE. | 11 VA | LT044HX | FINELITE HP-4 SERIES MARK ARCHITECTURAL SLOT 4 LED SERIES LUMENWERX VIA 4 SERIES | RECESSED 1 | 40 W | LED | 4000 lm 277 V | 4" BY 4-FOOT LED SLOT FIXTURE, MOUNTING METHOD PER PLANS, 100% DOWNLIGHT WITH ACRYLIC FLUSH SMOOTH DIFFUSER, 80 CRI, 0-10VDC DIMMING DRIVER WITH EMERGENCY TRANSFER DEVICE. |
| | GOTHAM EVO SERIES PRESCOLITE LC6 LED SERIES OMEGA REVELATION SERIES PORTFOLIO LD SERIES | RECESSED | 1 19 W | SOLID STATE LED | 2000 lm | 277 V | 6-INCH ROUND APERTURE LED DOWNLIGHT, OPEN REFLECTOR WIDE BEAM SPREAD, SELF-FLANGE, CLEAR SPECULAR FINISH WITH EMERGENCY TRANSFER DEVICE. | 19 VA | LT046H | FINELITE HP-4 SERIES MARK ARCHITECTURAL SLOT 4 LED SERIES LUMENWERX VIA 4 SERIES | RECESSED 1 | 60 W | SOLID STATE LED | 1000 lm 277 V | 4" BY 6-FOOT LED LINEAR RECESS SLOT FIXTURE; MOUNTING TO BE FLUSH WITH CEILING, 100% DOWNLIGHT WITH ACRYLIC FLUSH SMOOTH DIFFUSER, 80 CRI, LUMENS LISTED IS PER LINEAR FOOT. |
| (| GOTHAM EVO SERIES PRESCOLITE LC6 LED SERIES OMEGA REVELATION SERIES PORTFOLIO LD SERIES PHILIPS P6R SERIES | RECESSED | 1 19 W | SOLID STATE LED | 2000 lm | 277 V | 6-INCH ROUND APERTURE LED DOWNLIGHT, OPEN REFLECTOR WIDE BEAM SPREAD, SELF-FLANGE, CLEAR SPECULAR FINISH. | 19 VA | LT046HX | FINELITE HP-4 SERIES MARK ARCHITECTURAL SLOT 4 LED SERIES. WITH EMERGENCY TRANSFER DEVICE. LUMENWERX VIA 4 SERIES | RECESSED 1 | 24 W | SOLID STATE LED | 6000 lm 277 V | 4" BY 6-FOOT LED LINEAR RECESS SLOT FIXTURE; MOUNTING TO BE FLUSH WITH CEILING, 100% DOWNLIGHT WITH ACRYLIC FLUSH SMOOTH DIFFUSER, 80 CRI, LIGHT SOURCE DATA BASED ON 4 FOOT SECTION. |
| 1 | PORTFOLIO LD6B SERIES GOTHAM EVO SHOWER SERIES PRESCOLITE LF6LEDG4 SERIES LIGHTOLIER C6L SERIES | RECESSED | 1 8 W | LED | 1000 lm | 277 V | 6-INCH ROUND APERTURE LED SHOWER LIGHT WITH REGRESSED LENS REFLECTOR, WHITE REFLECTOR AND TRIM, SELF-FLANGED, 4000K. 80+ CRI, 0-10V DIMMING DRIVER IP65 WET LOCATION LISTED. | | LT046L | FINELITE HP-4 SERIES MARK ARCHITECTURAL SLOT 4 LED SERIES LUMENWERX VIA 4 SERIES | RECESSED 1 | 48 W | SOLID STATE LED | 800 lm 277 V | 4" BY 6-FOOT LED LINEAR RECESS SLOT FIXTURE; MOUNTING TO BE FLUSH WITH CEILING, 100% DOWNLIGHT WITH ACRYLIC FLUSH SMOOTH DIFFUSER, 80 CRI, LUMENS LISTED IS PER LINEAR FOOT. |
| 1X | PORTFOLIO LD6B SERIES GOTHAM EVO SHOWER SERIES PRESCOLITE LF6LEDG4 SERIES LIGHTOLIER C6L SERIES | RECESSED | 1 8 W | LED | 1000 lm | 277 V | 6-INCH ROUND APERTURE LED SHOWER LIGHT WITH REGRESSED LENS REFLECTOR, WHITE REFLECTOR AND TRIM, SELF-FLANGED, 4000K. 80+ CRI, 0-10V DIMMING DRIVER IP65 WET LOCATION LISTED. PROVIDE WITH EMERGENCY TRANSFER DEVICE. | | LT048H | FINELITE HP-4 SERIES MARK ARCHITECTURAL SLOT 4 LED SERIES LUMENWERX VIA 4 SERIES | RECESSED 1 | 80 W | SOLID STATE LED | 1000 lm 277 V | 4" BY 8-FOOT LED LINEAR RECESS SLOT FIXTURE; MOUNTING TO BE FLUSH WITH MOUNTING SURFACE, 100% DOWNLIGHT WITH ACRYLIC RECESSED SMOOTH DIFFUSER, 80 CRI, 0-10VDC DIMMING DRIVER AND DAYLIGHT DIMMING SENSOR. LIGHT |
| | LITHONIA WSO LED SERIES EATONISS IMPACT ELITE SERIES HUBBELL QSP SERIES | SURFACE | 1 20 W | LED | 2000 lm | 277 V | HALF-CYLINDER LED WALL MOUNTED LUMINAIRE WITH DIE CAST ALUMINUM HOUSING BOTTOM DIFFUSER FLUSH WITH THE DIE CASTING, TYPE 3 DISTRIBUTION, MANUFACTURER STANDARD COLORS. MOUNT ONTO JUNCTION BOX. | G, 20 VA | LT048HX | LED SERIES LUMENWERX VIA 4 SERIES | RECESSED 1 | 40 W | LED | 4000 lm 277 V | SOURCE DATA BASED ON 8 FOOT SECTION. LUMENS LISTED IS PER LINEAR FOOT. 4" BY 8-FOOT LED SLOT FIXTURE, MOUNTING METHOD PER PLANS, 100% DOWNLIGHT WITH ACRYLIC FLUSH SMOOTH DIFFUSER, 80 CRI, 0-10VDC DIMMING DRIVER WITH EMERGENCY TRANSFER DEVICE. |
| | LITHONIA WSQ LED SERIES EATON ISS IMPACT ELITE SERIES HUBBELL QSP SERIES | SURFACE | 1 20 W | LED | 2000 lm | 277 V | HALF-CYLINDER LED WALL MOUNTED LUMINAIRE WITH DIE CAST ALUMINUM HOUSING BOTTOM DIFFUSER FLUSH WITH THE DIE CASTING, TYPE 3 DISTRIBUTION, MANUFACTURER STANDARD COLORS. MOUNT ONTO JUNCTION BOX. EMERGENCY TRANSFER DEVICE. | G, 20 VA | LTFW1 , | FINELITE HP-4 SERIES FAIL-SAFE TRISEAL CLM SERIES KENALL-CSEDO SERIES KURTZON LIGHTING FP/EZ | RECESSED 1 | 52 W | LED | 4379 lm 277 V | 1 BY 4-FOOT LED TROFFER, INVERTED 0.187-INCH POLYCARBONATE LENS WITH UV ABSORBING OVERLAY, LISTED FOR WET LOCATIONS, IP65 RATED, NSF LISTED, FLANGE KIT. |
| | LITHONIA CPX SERIES EATON METALUX 24 FP SERIES COLUMBIA CFP SERIES DAYBRITE 2FPZ SERIES | RECESSED | 1 42 W | LED | 4800 lm | 277 V | 2 BY 4-FOOT, EDGE LIT FLAT PANEL WITH ALUMINUM FRAME, 4000K, 80+ CRI, 0-10V DIMMING. | 42 VA | | FAIL-SAFE TRISEAL CLM SERIES KENALL CSEDO SERIES KURTZON LIGHTING FP/EZ | RECESSED 1 | 52 W | LED | 4379 lm 277 V | 1 BY 4-FOOT LED TROFFER, INVERTED 0.187-INCH POLYCARBONATE LENS WITH UV ABSORBING OVERLAY, LISTED FOR WET LOCATIONS, IP65 RATED, FLANGE KIT, WITH EMERGENCY TRANSFER DEVICE. |
| | LITHONIA CPX SERIES EATON METALUX 24 FP SERIES COLUMBIA CFP SERIES DAYBRITE 2FPZ SERIES | RECESSED | 1 42 W | LED | 4800 lm | 277 V | 2 BY 4-FOOT, EDGE LIT FLAT PANEL WITH ALUMINUM FRAME, 4000K, 80+ CRI, 0-10V DIMMING WITH AN EMERGENCY TRANSFER DEVICE. | 42 VA | | SERIES TIMES SQUARE XT13 SERIES BRUCK LIGHTING Z25 SERIES SPECTRUM SET VLEDXT SERIES | TRACK 1 | 25 W | LED | 1300 lm 120 V | LINE VOLTAGE LED TRACK HEAD, SPOT DISTRIBUTION, 95+ CRI, 0-10VDC DIMMING. PROVIDE SINGE-CIRCUIT OR 2-CIRCUIT TRACK PER DRAWINGS, LENGTH AND CONFIGURATION PER DRAWINGS. PROVIDE ALL REQUIRED ACCESSORIES, FITTINGS, |
| | LITHONIA CPX SERIES EATON METALUX 24 FP SERIES COLUMBIA CFP SERIES DAYBRITE 2FPZ SERIES | RECESSED | 1 48 W | LED | 5400 lm | 277 V | 2 BY 4-FOOT, EDGE LIT FLAT PANEL WITH ALUMINUM FRAME, 4000K, 80+ CRI, 0-10V DIMMING | 48 VA | LTT1 | LUMENPULSE LATSE SERIES CONTECH LIGHTING NCTL LUMINII LINE LED SERIES QTRAIN SW SERIES | RECESSED 1 | 8 W | LED | 950 lm 277 V | ETC. FOR A COMPLETE INSTALLATION. TRACK HEADS AND TRACK TO BE WHITE IN COLOR. LUMINII LED TAPE LIGHT, ALUMINUM MOUNTING CHANNEL AND FLAT FROSTED LENS, 4000K, 900 LUMENS PER LINEAR FOOT, MOUNTED SO BOTTOM OF LENS IS FLUSH WITH POTTOM AND VERTICAL FACE OF AD MACENIT CLOUDE AND MOUNTING. |
| | LITHONIA CPX SERIES EATON METALUX 24 FP SERIES COLUMBIA CFP SERIES DAYBRITE 2FPZ SERIES | RECESSED | 1 53 W | LED | 6000 lm | 277 V | 2 BY 4-FOOT, EDGE LIT FLAT PANEL WITH ALUMINUM FRAME, 4000K, 80+ CRI, 0-10V DIMMING WITH EMERGENCY TRANSFER DEVICE. | 53 VA | LTT1X | LUMINII LINE LED SERIES QTRAIN SW SERIES | RECESSED 1 | 8 W | LED | 950 lm 277 V | BOTTOM AND VERTICAL FACE OF ADJACENT CLOUDS. PROVIDE ALL MOUNTING ACCESSORIES AS REQUIRED FOR A COMPLETE SY LUMINII LED TAPE LIGHT, ALUMINUM MOUNTING CHANNEL AND FLAT FROSTED LENS, 4000K, 950 LUMENS PER LINEAR FOOT, MOUNTED SO BOTTOM OF LENS IS FLUSH WITH BOTTOM AND VERTICAL FACE OF ADJACENT OLOUDS. PROVIDE ALL MOUNTING |
| \ | LUMENWERX VIA 4 SERIES MARK ARCHITECTURAL SLOT 4 SERIES LITECONTROL MOD 4 LED | SUSPENDED | 1 101 W | LED | 1200 lm | 277 V | 4' LONG, INDIRECT/DIRECT PENDANT HUNG FIXTURE. 4000K, 80+ CRI, 0-10V DIMMING DRIVER, ALUMINUM/SILVER FINISH, SQUARE CANOPY, AIRCRAFT CABLE SUSPENSION AND WHITE POWER CORD. MOUNT AT 8'-6" ABOVE FINISH FLOOR. | | | LUMINOS GLOBAL LIGHTING SCN SERIES | SURFACE 1 | 30 W | LED | 2700 lm 277 V | WALL MOUNTED DOWNLIGHT WITH A NARROW BEAM OF BLUE LIGHT AS APPROVED BY 30 VA ARCHITECT/ENGINEER TO ILLUMINATE THE COLUMN. COLOR SELECTED FROM MANUFACTURERS STANDARD COLORS. |
| 1 | SERIÉS SPI LIGHTING PAVO 4 SERIES VISA CANOPY CP2024 SERIES OCL TB3 SERIES | | | | | | | 53 VA | RL1 | LEGMAN UJE SERIES KIRLIN LRR-08471-465 SERIES PMC 6LE-AURA SERIES LUMINII KURBA SERIES | RECESSED 1 | 25 W 80 W | SOLID | 658 lm 277 V | 8-INCH RECESSED DOWN LIGHT WITH A NARROW BEAM OF BLUE LIGHT AS APPROVED 25 VA BY ARCHITECT/ENGINEER TO ILLUMINATE ALCOVE. COLOR CHANGING ROPE LIGHT TO BE INSTALLED IN CASEWORK FRAMING. PROVIDE 80 VA |
| | SPI LIGHTING PAVO 4 SERIES VISA CANOPY CP2024 SERIES OCL TB3 SERIES | SUSPENDED | 1 53 W | LED | 4723 lm | 277 V | PAVO 4" X 4-FOOT TALL, 4000K, MEDIUM DISTRIBUTION DOWNLIGHT, EMERGENCY TRANSFER DEVICE | 53 VA | | QTRAIN KURU SERIES KELVIN SW3 SERIES | | | STATE LED | | ALL NECESSARY MOUNTING HARDWARE, DRIVERS AND DMX CONTROLS AS REQUIRED FOR A COMPLETE SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND LENGTHS. |
| 6L | MARK ARCHITECTURAL SLOT 4 LED SERIES LUMENWERX VIA 4 SERIES FINELITE HP-4 SERIES | SUSPENDED | 1 48 W | SOLID STATE LED | 800 lm | 277 V | 4" BY 6-FOOT LED LINEAR RECESS SLOT FIXTURE; SUSPEND FIXTURE SO BOTTOM OF FIXTURE IS SAME HEIGHT AS ADJACENT CLOUD, 100% DOWNLIGHT WITH ACRYLIC RECESSED SMOOTH DIFFUSER, 80 CRI, 0-10VDC DIMMING DRIVER AND DAYLIGHT DIMMING SENSOR. LIGHT SOURCE DATA BASED ON 6 FOOT SECTION. LUMENS LISTED IS PER LINEAR FOOT. | | | SURE: LITÉS CX SERIÉS CHLORIDE 55 LINE SERIES LITHONIA SIGNATURE SERIES DUAL-LITE SEMPRA SERIES OR A/E APPROVED EQUAL | SURFACE 1 CEILING | 3 W | RED LED | 0 lm 277 V | CAST ALUMINUM AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS. |
| BL | MARK ARCHITECTURAL SLOT 4 LED SERIES LUMENWERX VIA 4 SERIES FINELITE HP-4 SERIES | SUSPENDED | 1 48 W | SOLID STATE LED | 600 lm | 277 V | 4" BY 8-FOOT LED LINEAR PENDANT SLOT FIXTURE; SUSPEND FIXTURE SO BOTTOM OF FIXTURE IS SAME HEIGHT AS ADJACENT CLOUD, 100% DOWNLIGHT WITH ACRYLIC RECESSED SMOOTH DIFFUSER, 80 CRI, 0-10VDC DIMMING DRIVER AND DAYLIGHT DIMMING SENSOR. LIGHT SOURCE DATA BASED ON 8 FOOT SECTION. LUMENS LISTED | ; | | SURE-LITES UX SERIES CHLORIDE 60 LINE SERIES LITHONIA LV SERIES DUAL-LITE SEWL SERIES | SURFACE 1 WALL | 3 W | RED LED | 0 lm 277 V | CAST ALUMINUM, VANDAL RESISTANT AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL 3 VA ARROWS INDICATED, WHITE HOUSING, LISTED FOR WET LOCATIONS. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS. |
| 1 | METALUX WNLED SERIES | SUSPENDED | 1 48 W | LED | 4000 lm | 277 V | IS PER LINEAR FOOT. 4-FOOT LED WRAP AROUND FIXTURE, ACRYLIC PRISMATIC DIFFUSER, 0-10VDC | 27 VA | 4 1 | SURE-LITES CX SERIES CHLORIDE 55 LINE SERIES | SURFACE 1 WALL | 3 W | RED LED | 0 lm 277 V | CAST ALUMINUM AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS 3 VA INDICATED, WHITE HOUSING. REFER TO PROJECT MANUAL FOR ADDITIONAL |

DIMMING. IF SUSPENDED, INSTALL AT 8-FOOT AFF WITH CONDUIT STEMS (UNO).

LITHONIA SIGNATURE SERIES

DUAL-LITE SEMPRA SERIES

PLAN TYPE

LD61X

LD62X

LDW61

LDW61X

LP046L

LP048L

METALUX WNLED SERIEŞ

DAY-BRITE OWL SERIES

LITHONIA SBL SERIES COLUMBIA LAW SERIES SUSPENDED 1 48 W LED 4000 lm 277 V

CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS



LUMINAIRE SCHEDULE - GENERAL NOTES

MOUNTING HARDWARE FOR MOUNTING IN LAY-IN TYPE CEILINGS.

LIGHT FIXTURE SUBMITTALS TO INCLUDE DATA SHEETS FOR ALL

THE REMARKS COLUMN OF THE FIXTURE SCHEDULES OR ON THE DRAWINGS. SUBMITTALS SHALL ALSO INDICATE COLOR FOR ANY CUSTOM COLOR LIGHT FIXTURES.

FIXTURE TYPES, INCLUDING ADDITIONAL DATA SHEETS FOR DRIVER COMBINATIONS REQUIRED TO MEET THE INSTALLATION REQUIREMENTS OF THE VARIOUS FIXTURE TYPES INDICATED IN

5 COOL TEMPERATURE FOR NEW LIGHT FIXTURES TO BE 4000K.

SEE SPECIFICATIONS FOR DRIVER REQUIREMENTS. . FOR ALL DOWNLIGHTING FIXTURES, PROVIDE REQUIRED

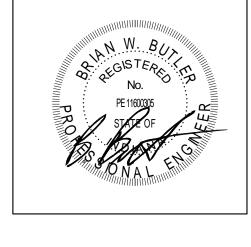
. CONTRACTOR TO VERIFY TYPES AND QUANTITY OF LIGHT FIXTURES REQUIRING EMERGENCY TRANSFER DEVICES AND PROVIDE REQUIRED QUANTITY OF EMERGENCY TRANSFER
DEVICES, LABOR, MATERIAL, ETC. IN THE PROJECT BID FOR FIELD

INSTALLATION OF EMERGENCY TRANSFER DEVICES.

REQUIREMENTS.

WWW.FHAI.COM 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204

CONSTRUCTION DOCUMENTS



DRAWN BY: MMS PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

REV.

| NO. \triangle | DESCRIPTION | DATE |
|-----------------|-------------|-----------|
| 1 | ADDENDUM #1 | 1.25.2022 |
| 2 | ADDENDUM #2 | 2.01.2022 |
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| | | |

LUMINAIRE SCHEDULES

| | Location: ELECTRICAL Notes Supply From: T-1N1 Mounting: Surface Enclosure: Type 1 INTEGRAL SURGE PROTECTION II CIRCUIT BREAKER 5mA. | 016 | | | | Volts: Phases: Wires: | |) Wye | | | | A.I.C. Rating: 10,000 Mains Type: MCB Mains Rating: 200 A MCB Rating: 200A | | | 1. GFC | INTEGRAL SURG |
|----------|--|--------------|----------|------|--------------|-----------------------------|--------|-------|----------|---------|--------------|---|-----------------------------|--------------|----------|--|
| CVT | Circuit Description | Tain | Doloo | I | | | D | I | • | Deles | Tuiss | Circuit De | | CIVI | | CI CIRCUIT BREAK |
| CKT 1 | Circuit Description Receptacle - Rm. N004, N005, N026, EXT. | Trip 20 A | Poles 1 | 1260 | A 700 | | B | | C | Poles 1 | Trip 20 A | | escription (Lower Level) | CKT 2 | CKT 1 | Receptacle - N02 |
| 3 | Receptacle - Rm. N009, N013, N016, N026, EXT. | 20 A | 1 | .200 | | 1440 | 690 | | | 1 | 20 A | + | , | 4 | 3 | Receptacle - Rm |
| 5 | Receptacle - IDF Backboard Rm. N009 | 20 A | 1 | | | | | 720 | 1600 | 1 | 30 A | HAIR DRYER - Rm. N006 | ô | 6 | 5 | Garbage Disposa |
| 7 | Receptacle - IDF Rack Rm. N009 | 20 A | 1 | 1800 | 1600 | | | | | 1 | 30 A | | | 8 | 7 | Receptacle - Rm |
| 9 | Receptacle - Rm. N003, N004 | 20 A | 1 | | | 1440 | 1600 | 4000 | 4000 | 1 | 30 A | HAIR DRYER - Rm. NOOS | | 10 | 9 | Elevator Cab Lig |
| 11 13 | Receptacle - Rm. N006, N008 Overhead Coiling Grille - Rm. N006, N008 | 20 A 20 A | 1 | 1587 | 1600 | | | 1080 | 1600 | 1 | 30 A 30 A | | | 12 14 | 11 | Receptacle - Rm |
| 15 | Receptacle - Rm. N017, N019 | 20 A | 1 | 1307 | 1000 | 1260 | 1600 | | | 1 | 30 A | HAIR DRYER - Rm. N017 | | 16 | 15 | Receptacle - Rm |
| 17 | Overhead Coiling Grille - Rm. N017, N019 | 20 A | 1 | | | | | 1587 | 1600 | 1 | 30 A | HAIR DRYER - Rm. N019 | | 18 | 17 | EF-N005 - Rm.N |
| 19 | Receptacle - Rm. N024, N025 | 20 A | 1 | 1440 | 1600 | | | | | 1 | 30 A | HAIR DRYER - Rm. N019 | 9 | 20 | 19 | Receptacle - N02 |
| 21 | Receptacle Rm. N023, N026, N027, EXT. | 20 A | 1 | | | 1440 | 180 | | | 2 | 20 A | SCOREBOARD - Rm. NO |)21 | 22 | 21 | Receptacle - IDF |
| 23 | Water Coolers - Rm. N021 Pool Deck (NOTE 1) | 20 A | 1 | | | | | 1200 | 180 | | | | | 24 | 23 | Receptacle - IDF |
| 25 | Receptacle - Rm. N021 | 20 A | 1 | 1080 | 180 | 4000 | 400 | | | 2 | 20 A | SCOREBOARD - Rm. NO |)21 | 26 | 25 | VAV-N007, N008 |
| 27 29 | Receptacle - Rm. N021 Receptacle - Rm. N006 | 20 A 20 A | 1 | | | 1080 | 180 | 720 | 180 | 2 | 20 A | SCOREBOARD - Rm. NO | 121 | 28 30 | 27 29 | Coiling Grille - Rr Refrigerator - Rm |
| 31 | Receptacle - Rm. N008 | 20 A | 1 | 720 | 180 | | | 720 | 100 | | | | JZ I | 32 | 31 | Refrigerator - Rm |
| 33 | Receptacle - Rm. N017 | 20 A | 1 | 7.20 | 100 | 720 | 180 | | | 2 | 20 A | SCOREBOARD - Rm. NO |)21 | 34 | 33 | Receptacle - Rm. |
| 35 | Receptacle - Rm. N019 | 20 A | 1 | | | | | 720 | 180 | | | | | 36 | 35 | Receptacle - Rm |
| 37 | RECORDS BOARD - Rm. N021 | 20 A | 2 | 180 | 180 | | | | | 2 | 20 A | SCOREBOARD - Rm. NO |)21 | 38 | 37 | Receptacle - Rm |
| 39 | | | | | | 180 | 180 | | | | | | | 40 | 39 | Refrigerator Rm. |
| 41 | RECORDS BOARD - Rm. N021 | 20 A | 2 | | | | | 180 | 180 | 2 | 20 A | SCOREBOARD - Rm. NO |)21 | 42 | 41 | Receptacle - Rm |
| 43 | | | | 180 | 180 | 100 | 100 | | | | | | | 44 | 43 | Receptacle IT C/ |
| 45 47 | SCOREBOARD - Rm. N021 | 20 A | 2 | | | 180 | 180 | 180 | 180 | 2 | 20 A | SCOREBOARD - Rm. NO |)21 | 46 | 45 47 | Receptacle - Rm Receptacle - Rm |
| 47 49 | SCOREBOARD - Rm. N021 | 20 A | 2 | 180 | 180 | | | 180 | 180 | 2 | 20 A | SCOREBOARD - Rm. NO | 121 | 48 50 | 47 | Receptacle - Rm |
| 51 | | | | 100 | 100 | 180 | 180 | | | | | |) <u></u> | 52 | 51 | Receptacle - Rm. |
| 53 | SCOREBOARD - Rm. N021 | 20 A | 2 | | | | | 180 | 180 | 2 | 20 A | SCOREBOARD - Rm. NO |)21 | 54 | 53 | Receptacle - Rm |
| 55 | | | | 180 | 180 | | | | | | | | | 56 | 55 | Floor Boxes - Rn |
| 57 | SCOREBOARD - Rm. N021 | 20 A | 2 | | | 180 | 180 | | | 2 | 20 A | SCOREBOARD - Rm. NO |)21 | 58 | 57 | Floor Boxes - Rn |
| 59 | | | | | | | | 180 | 180 | | | | | 60 | 59 | Water Cooler - R |
| 61 | SCOREBOARD - Rm. N021 | 20 A | 2 | 180 | 180 | 100 | 100 | | | 2 | 20 A | SCOREBOARD - Rm. NO |)21 | 62 | 61 | Receptacle - A/V |
| 63 65 | SCOREBOARD - Rm. N021 | 20 A | 2 | | | 180 | 180 | 180 | 180 | 2 | 20 A | SCOREBOARD - Rm. NO | 121 | 64 66 | 63 65 | Receptacle - A/V Receptacle - A/V |
| 67 | | | | 180 | 180 | | | 100 | 100 | | | | JZ 1 | 68 | 67 | Receptacle - A/V |
| 69 | Receptacle - Rm. N021 | 20 A | 1 | 100 | 100 | 540 | 450 | | | 1 | 20 A | UNDERWATER POOL L | IGHTS - Rm. N021 | 70 | 69 | Receptacle - A/V |
| 71 | PACE CLOCKS - Rm. N021 | 20 A | 1 | | | | | 360 | 600 | 1 | 20 A | UNDERWATER POOL L | IGHTS - Rm. N021 | 72 | 71 | Receptacle - A/V |
| 73 | Spare | 20 A | 1 | 0 | 450 | | | | | 1 | 20 A | UNDERWATER POOL L | IGHTS - Rm. N021 | 74 | 73 | Receptacle - A/V |
| 75 | Spare | 20 A | 1 | | | 0 | 0 | | | 1 | | Spare | | 76 | 75 | Receptacle - A/V |
| 77 | Spare | 20 A | 1 | 0 | 0 | | | 0 | 0 | 1 | 20 A | <u>'</u> | | 78 | 77 | RECORDS BOAI |
| 79 81 | Spare Spare | 20 A 20 A | 1 | 0 | 0 | 0 | 0 | | | 1 | | Spare Spare | | 80 82 | 79 81 | RECORDS BOAI |
| 83 | Spare | 20 A | 1 | | | 0 | U | 0 | 0 | 1 | | Spare | | 84 | 83 | |
| | 131.00 | | al Load: | 1635 | 7 VA | 1460 | 00 VA | | 27 VA | | | SP 30. 5 | | | | |
| | | Tota | I Amps: | 13 | 7 A | 12 | 2 A | 11 | 8 A | | | | | | | _ |
| egen | d: | | | | | | | | | | | | | | Legen | d: |
| oad (| Classification | Con | nected I | oad | Der | nand Fa | ctor | Estin | nated De | emand | | Panel | Totals | | Load (| Classification |
| lotor | | | 3864 VA | | | 110.27% | | | 4261 V | | 1 | 1 41101 | | | Motor | , , , , , , , , , , , , , , , , , , , |
| Other | | | 15000 V | 4 | | 100.00% | , D | | 15000 V | A | | Total Conn. Load: | 45084 VA | | Other | |
| ecep | acle - Convenience | | 18300 V | 4 | | 77.32% | | | 14150 V | | | Total Est. Demand: | | | | tacle - Convenienc |
| ecep | | | 720 VA | | | 100.00% | | | 720 VA | | | Total Conn.: | | | Recept | |
| Recep | acle - Special | | 7200 VA | | | 80.00% | | | 5760 VA | λ | | Total Est. Demand: | 111 A | | | n Equipment |
| | | | | | | | | | | | | | | | | tacle - Refrigerator tacle - Special |
| | | | | | | | | | | | | | | | | · |
| lotes: | | | | | | | | | | | | | | | Eaulbn | nent - Kitchen |

| Branch Panel: 1N2L1 | | | | | | | | <u> </u> | | | | | Branch Panel: 2 |
|---|--------------|------------|-------|---------------|-----------------------------|--------------|-------------|----------|-------|--------------|---|----------|---|
| Location: ELECTRICAL N Supply From: T-1N2 Mounting: Surface | N034A | | | I | Volts: Phases: Wires: | | Wye | | | | A.I.C. Rating: 10,000 Mains Type: MCB Mains Rating: 200 A | | Location: ELE Supply From: T-2l Mounting: Surf |
| Enclosure: Type 1 Notes: INTEGRAL SURGE PROTECTION 1. GFCI CIRCUIT BREAKER 5mA. 2. GFCI CIRCUIT BREAKER 30mA. | | | | | | | | | | | MCB Rating: 200A | | Enclosure: Typ Notes: INTEGRAL SURGE PROTECTION 1. GFCI Circuit Breaker 5mA 2. GFCI Circuit Breker 30mA |
| CKT Circuit Description | Trip | Poles | | A | I | 3 | (| | Poles | Trip | Circuit Description | СКТ | CKT Circuit Description |
| 1 Receptacle - N026 | 20 A | 1 | 1260 | 1260 | 0.10 | 1000 | | | 1 | 20 A | Receptacle - Rm. N040, G016 | 2 | 1 Receptacle - Rm. N101, N102, N103 |
| 3 Receptacle - Rm. N046, E-2, E-2 shaft lights | 20 A | 1 | | | 640 | 1000 | 1010 | 1000 | 1 | 20 A | Vending Machine - Rm. G016 (NOTE 2) | 4 | 3 Receptacle - Rm. N103, N104, N105, I |
| 5 Garbage Disposal - Rm. N034 | 20 A | 1 | 400 | 4.440 | | | 1840 | 1000 | 1 | 20 A | Vending Machine - Rm. G016 (NOTE 2) | 6 | 5 Receptacle - Rm. N103, N106, N106B |
| 7 Receptacle - Rm. N021 | 20 A | 1 | 180 | 1440 | 400 | 000 | | | 1 | 20 A | Receptacle - Rm. N040, N044, N045 | 8 | 7 Water Cooler - Rm. N103 (NOTE 1) |
| 9 Elevator Cab Lights - E-2 | 20 A | 1 | | | 180 | 900 | 4.440 | 000 | 1 | 20 A | Receptaacle - Rm N040, N041 | 10 | 9 Receptacle - Rm. N103, N107, N108 |
| 11 Receptacle - Rm. N026 | 20 A | 1 | 4.440 | 4000 | | | 1440 | 900 | 1 | 20 A | Receptacle - Rm. N043 | 12 | 11 Receptacle - Rm. N103, N109 |
| 13 Receptacle - Rm. N026 | 20 A | 1 | 1440 | 1080 | 4000 | 500 | | | 1 | 20 A | Receptacle - Rm. N042 | 14 | 13 Water Cooler - Rm. N103 (NOTE 1) |
| 15 Receptacle - Rm. N031 - N034A | 20 A | 1 | | | 1080 | 500 | 054 | 460 | 1 | 20 A | VAV-N012, N014, N015 - Rm. N040,N042,N043 | 16 | 15 Receptacle - Rm. N103, N109 |
| 17 EF-N005 - Rm.N034A, EF-N008 Rm.N03419 Receptacle - N021 | 20 A 20 A | 1 | 360 | 1000 | | | 851 | 460 | 1 | 20 A 20 A | CUH-N002, N003 - Rm. N041 Refrigerator - Rm. N028A | 18 | 17 Receptacle - Rm. N109 19 Receptacle - Rm. N111. N113 |
| 19 Receptacle - N02121 Receptacle - IDF Backboard Rm. N033 | 20 A | 1 | 360 | 1000 | 720 | 1000 | | | 1 | 20 A | Refrigerator - Rm. N028A Refrigerator - Rm. N028A | 20 | 19 Receptacle - Rm. N111, N113 21 Receptacle - Rm. N111 |
| | 20 A | 1 | | | 720 | 1000 | 1800 | 1000 | 1 | - | Refrigerator - Rm. N028A | | 23 Floor Boxes - Rm. N111 |
| | 20 A | 1 | 300 | 1000 | | | 1600 | 1000 | 1 | 20 A | Freezer - Rm. N028A | 24 | |
| 25 VAV-N007, N008, N01127 Coiling Grille - Rm. N034 | 20 A | 1 | 300 | 1000 | 1587 | 2500 | | | 2 | 20 A 30 A | Oven - Rm. N028A | 26 28 | |
| 29 Refrigerator - Rm. N034 | 20 A | 1 | | | 1307 | 2300 | 1000 | 2500 | | 30 A | Overi - Kili. NozoA | 30 | 27 Refrigerator Rm. N112 29 Refrigerator Rm. N112 |
| 31 Refrigerator - Rm. N034 | 20 A | 1 | 1000 | 1500 | | | 1000 | 2500 | 1 | 20 A | Microwave - Rm. N028A | 32 | 31 Ice Maker - Rm. N112 |
| 33 Receptacle - Rm. N034 | 20 A | 1 | 1000 | 1300 | 540 | 1500 | | | 1 | 20 A | Microwave - Rm. N028A | 34 | 33 Receptacle - Rm. N112 |
| 35 Receptacle - Rm. N034 | 20 A | 1 | | | 340 | 1300 | 540 | 180 | 1 | 20 A | Receptacle - Rm. N028A | 36 | 35 Receptacle - Rm. N112 |
| 37 Receptacle - Rm. N034 | 20 A | 1 | 720 | 540 | | | 340 | 100 | 1 | 20 A | Receptacle - Rm. N028A | 38 | 37 Receptacle - Rm. N112 |
| • | 20 A | 1 | 720 | 340 | 1000 | 540 | | | 1 | | Receptacle - Rm. N028A | | - |
| | | 1 | | | 1000 | 540 | 700 | 1000 | 1 | 20 A | · | 40 | |
| 41 Receptacle - Rm. N028 | 20 A | 1 | 1000 | 000 | | | 720 | 1000 | 1 | _ | Ice Maker - Rm. N028A | 42 | 41 |
| Receptacle IT CAB - Rm. N021A | 20 A | 1 | 1800 | 900 | 700 | 1000 | | | 1 | + | Receptacle - Rm. N021, N039 | 44 | |
| 45 Receptacle - Rm. N028 | 20 A | 1 | | | 720 | 1080 | F40 | 1000 | 1 | | Receptacle - Rm. N021, N035 | 46 | Lamandi |
| 47 Receptacle - Rm. N028 | 20 A | 1 | F40 | 750 | | | 540 | 1260 | 1 | | Receptacle - Rm. N021A | 48 | Legend: |
| 49 Receptacle - Rm. N028 | 20 A | 1 | 540 | 750 | 700 | 750 | | | 2 | 30 A | Coffee Maker - Rm. N028 | 50 | |
| 51 Receptacle - Rm. N028 | 20 A | 1 | | | 720 | 750 | 000 | 750 | | 20 A | HOT WATER TAP - Rm. N028 | 52 | Load Classification |
| 53 Receptacle - Rm. N02855 Floor Boxes - Rm. N028 | 20 A | 1 | F40 | 750 | | | 900 | 750 | 2 | | HOT WATER TAP - RM. NU28 | 54 | |
| | 20 A | 1 | 540 | 750 | F40 | 100 | | | | 20. A | Pagantagle Dm NO20A | 56 | Motor |
| | 20 A | 1 | | | 540 | 180 | 600 | 100 | 1 | 20 A | Receptacle - Rm. N028A | 58 | Other Pagenteels Convenience |
| Water Cooler - Rm. N021 (NOTE 1) | 20 A | 1 | 1000 | 400 | | | 600 | 180 | 7 | 20 A | Receptacle - Rm. N028A | 60 | Receptacle - Convenience |
| Receptacle - A/V Equipment Rack Rm. N033A | 20 A | 1 | 1200 | 180 | 1000 | 100 | | | 7 | | Receptacle - Rm. N028A | 62 | Receptacle Refrigerator |
| Receptacle - A/V Equipment Rack Rm. N033A | 20 A | 1 | | | 1200 | 180 | 1000 | 400 | 7 | 20 A | Receptacle - Rm. N028A | 64 | Receptacle - Refrigerator |
| Receptacle - A/V Equipment Rack Rm. N033A | 20 A | 1 | 1200 | 1040 | | | 1200 | 180 | 1 | 20 A | Receptacle - Rm. N028A | 66 | |
| Receptacle - A/V Equipment Rack Rm. N033A | 20 A | 1 | 1200 | 1840 | 1200 | 225 | | | 1 | | Garbage Disposal - Rm. N028A | 68 | Notos |
| Receptacle - A/V Equipment Rack Rm. N033A | 20 A | 1 | | | 1200 | 225 | 1200 | 0 | 1 | | UNDERWATER POOL LIGHTS - Rm. N021 | 70 | Notes: |
| 71 Receptacle - A/V Equipment Rack Rm. N033A | 20 A | 1 | 1000 | | | | 1200 | 0 | 7 | | Spare | 72 | |
| 73 Receptacle - A/V Equipment Rack Rm. N033A | 20 A | 1 | 1200 | 0 | 1000 | _ | | | 7 | | Spare | 74 | |
| 75 Receptacle - A/V Equipment Rack Rm. N033A | 20 A | 1 | | | 1200 | 0 | 100 | 0 | 1 | | Spare | 76 | |
| 77 RECORDS BOARD - Rm. N021 | 20 A | 2 | 400 | 0 | | | 180 | 0 | 1 | | Spare | 78 | |
| 79 21 PECOPDS BOARD Rm N021 | 20.4 | | 180 | 0 | 100 | 0 | | | 1 | | Spare | 80 | |
| 81 RECORDS BOARD - Rm. N021 | 20 A | 2 | | | 180 | 0 | 100 | ^ | 1 | | Spare | 82 | |
| 83 | Te4 | | 2444 | 60 VA | 24.00 | 22.1/4 | 180 2240 | 0 | 1 | 20 A | Spare | 84 | |
| | | al Load: | | 00 VA 02 A | | 62 VA 2 A | 187 | | + | | | | |
| egend: | 1011 | ar 7 unpor | | | 10. | | 10 | | | | | | |
| oad Classification | Cor | nnected l | Load | Der | nand Fa | ctor | Estim | ated De | emand | | Panel Totals | | |
| Notor | | 6578 VA | ١ | | 106.99% | ·) | | 7038 VA | 4 | | | | |
| ther | | 1025 VA | ١ | | 100.00% |) | | 1025 VA | 4 | | Total Conn. Load: 68423 VA | | |
| Receptacle - Convenience | | 31860 V | Α | | 65.69% | | 2 | 20930 V | A | | Total Est. Demand: 49757 VA | | |
| Pagantagla | | 2260 1/4 | | | 100 000/ | | | 2260 1/4 | | | Total Conn : 100 A | | |

100.00%

50.00%

80.00%

80.00%

60.00%

2360 VA

1500 VA

6400 VA 4576 VA

5928 VA

2360 VA

3000 VA

8000 VA

5720 VA

9880 VA

Branch Panel: 2N1L1

Location: ELECTRICAL N106B Supply From: T-2N1 Mounting: Surface Enclosure: Type 1

Total Conn.: 190 A

Total Est. Demand: 138 A

3 Receptacle - Rm. N103, N104, N105, N106A

Phases: 3 Wires: 4

20 A 1 1200 360 20 A 1 1080 360

20 A 1 1260 1587

20 A 1 1000 0 20 A 1 1000 0

20 A 1 720 0

Total Amps: 94 A 89 A

20 A 1 720 0

30 A 2

Connected Load

6020 VA

1480 VA

18180 VA

2360 VA

3000 VA

20 A 1 1440 1260

20 A 1 600 1000

Volts: 208/120 Wye

1200 360 1 1200 1200 1 1200 1200 1

1260 1840

1000 0 1

79 A

Estimated Demand

6480 VA

1480 VA

14090 VA

2360 VA

2400 VA

540 0 1 20 A Spare

1 20 A Spare

1440 1000

1260 345

1000 0

 30 A
 2
 791
 0
 1
 20 A
 Spare

 - - 791
 0
 1
 20 A
 Spare

20 A 1 720 0 1 20 A 1 667 0 1

Total Load: 11094 VA 10516 VA 9431 VA

Demand Factor

107.64%

100.00%

77.50%

100.00%

80.00%

A.I.C. Rating: 10,000 MCB Rating: 200A

20 A Receptacle - Rm. N201 20 A Receptacle - Rm. N201, Roof

20 A VAV-N101 - Rm. N111

20 A EF-N101 - Rm. N101

20 A EF-N105 - Rm. N106B

20 A Spare 20 A Spare

20 A Spare

20 A Spare

20 A Spare

20 A Spare

20 A Vending Machine - Rm. N111 (NOTE 2)

20 A Vending Machine - Rm. N111 (NOTE 2)
20 A Garbage Disposal - Rm. N112

Mains Type: MCB Mains Rating: 200 A

Circuit Description

Panel Totals

Total Conn. Load: 31040 VA

Total Est. Demand: 26810 VA

Total Est. Demand: 74 A

Total Conn.: 86 A

CARMEL HIGH SCHOOL 20 A RTU-N101 - Lights and Receptacles - Roof 20 A RTU-N103 - Lights and Receptacles - Roof 20 A RTU-N102 - Lights and Receptacles - Roof NATATORIUM **ADDITION AND** RENOVATIONS 520 E MAIN STREET CARMEL, IN 46032

> 40 42

CARMEL CLAY SCHOOLS

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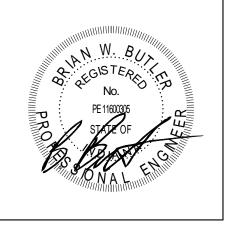


ARCHITECT



WWW.FHAI.COM 317.848.0966 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204

CONSTRUCTION DOCUMENTS



DRAWN BY: MMS PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

| REV. NO.△ | DESCRIPTION | DATE |
|--------------|-------------|-----------|
| 2 | ADDENDUM #2 | 2.01.2022 |
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PANELBOARD SCHEDULES

E8.03

| Branch Panel: 2N2L1 Location: MECHANICAL F Supply From: T-2N2 Mounting: Surface Enclosure: Type 1 Notes: INTEGRAL SURGE PROTECTION | ROOM-1 | N110 | | ı | Volts: Phases: Wires: | - | Wye | | | | A.I.C. Rating: 10,000 Mains Type: MCB Mains Rating: 200 A MCB Rating: 200A | |
|---|-------------------|--------------------|------|------|-----------------------------|-------------|----------|--------------------|-------|------|--|------|
| CKT Circuit Description | Trip | Poles | Α (| /Δ) | B (| VA) | C (| VΔ\ | Poles | Trip | Circuit Description | Cł |
| 1 Receptacle - Rm. N110 | 20 A | 1 | 720 | 900 | 5(| ·~ , | - 0 (| • ~ , | 1 | | Receptacle - Rm. N036 | 2 |
| 3 Receptacle - Rm. N110 | 20 A | 1 | . 20 | 300 | 720 | 900 | | | 1 | 20 A | Receptacle - Rm. N036 | |
| 5 DWH-1 Rm. D110 | 20 A | 1 | | | | 100 | 1440 | 1080 | 1 | | Receptacle - Rm. N036, N036A, N036B | 6 |
| 7 DWH-1 Rm. D110 | 20 A | 1 | 1440 | 1260 | | | | | 1 | | Receptacle - Rm. N021B, N037-N038, S-4, EXT | |
| 9 DWH-1 Rm. D110 | 20 A | 1 | | | 1440 | 900 | | | 1 | | Receptacle - Rm. N021D | 1 |
| 11 DWH-1 Rm. D110 | 20 A | 1 | | | | | 1440 | 900 | 1 | | Receptacle - Rm. N021D | 1 |
| 13 HWCP-1 Rm. N110 | 20 A | 1 | 506 | 920 | | | | | 1 | | PUH-N001, N002, N004 Rm. N037-N038 | 1 |
| 15 Wate Softener (WS-1) Rm. N110 | 20 A | 1 | | | 360 | 1127 | | | 1 | | PUH-N005, N006, N007 Rm. N035, N036, N036 | A 1 |
| 17 PUH-N101 Rm. N110 | 20 A | 1 | | | | | 230 | 506 | 1 | | EF-N001 Rm. N036 | 1 |
| 19 SSCU-N002/ACCU-N101 Rm. N110 | 20 A | 2 | 791 | 460 | | | | | 1 | 20 A | EF-N003, EF-N004 | 2 |
| 21 | | 7- | | | 791 | 1357 | | | 1 | 20 A | EF-N103, EF-N104 - Rm.N037 | 2 |
| 23 LIFT STATION PUMP 2 | ⁷ 30 A | 1 | γ | | Y | γ | 2500 | 750 | 1 | 20 A | TEMPERATURE CONTROL PANELS - Rm. N1 | 10 2 |
| 25 Spare , , , | _λ 20 A | 1, | Ο , | 0 | λ | λ. | | 7 | 1 | 20 A | Spare | 2 |
| 27 Spare | 20 A | 1 | | | 0 | 70 | | | 1 | 20 A | Spare | 2 |
| 29 Spare | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | Spare | 3 |
| 31 Spare | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | Spare | 3 |
| 33 Spare | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | Spare | 3 |
| 35 Spare | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | Spare | 3 |
| 37 Spare | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | Spare | 3 |
| 39 Spare | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | Spare | 4 |
| 41 Spare | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | Spare | 4 |
| | Tot | al Load: | 6997 | 7 VA | 759 | 5 VA | 8846 | AV 6 | | | | |
| | Tota | I Amps: | 58 | Α | 64 | 1 A | 74 | Α | | | | |
| Legend: | 0 | | | D | | | - | | | | D. J.T. | |
| Load Classification | | nected L | | | nand Fa | | | ated De | | | Panel Totals | |
| Motor Other | | 6687 VA 6510 VA | | | 105.91% 100.00% | | | 7082 VA 6510 VA | | | Total Conn. Load: 23437 VA | |
| Receptacle - Convenience | | 9880 VA | | | 100.00% | | | 9880 VA | | | Total Est. Demand: 23832 VA | |
| Receptacle - Convenience Receptacle | | 360 VA | | | 100.00% | | | 360 VA | | | Total Conn.: 65 A | |
| ινουριανίο | | 300 VA | | | 100.00% | , | | 300 VA | | | Total Est. Demand: 66 A | |
| | | | | | | | | | | | Total Lot. Dollard. 00 A | |
| | | | | | | | | | | | | |
| Notes: | | | | | | | | | | | | |
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UNIT G1 - FIRST FLOOR ELECTRICAL DEMOLITION PLAN

GENERAL NOTES - DEMOLITION

REFER TO ELECTRICAL SPECIFICATION SECTION 260005 "ELECTRICAL DEMOLITION"
FOR ADDITIONAL REQUIREMENTS THAT APPLY TO THIS DRAWING SHEET.
 REMOVE ELECTRICAL EQUIPMENT COMPLETE.

KEYNOTES

D3 DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICES. D5 DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES AND LIGHT SWITCHES IN THIS ROOM. EXISTING LIGHTING CIRCUITS ARE TO REMAIN FOR THE NEW LIGHT FIXTURES. D6 DISCONNECT AND REMOVE POWER FEED AND CONDUIT FROM EXISTING MECHANICAL UNIT. D8 DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICES AND FIRE ALARM DEVICES THAT ARE MOUNTED IN THE PORTION OF THE WALL THAT IS BEING REMOVED.

D9 EXISTING FIRE ALARM PANEL TO REMAIN IN PLACE.

D10 EXISTING LIGHT FIXTURES IN THIS PORTION OF THE EXISTING CEILING TO REMAIN IN PLACE ARE ALSO TO REMAIN IN PLACE.

D12 DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE FROM DISPLAY CASE.

CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

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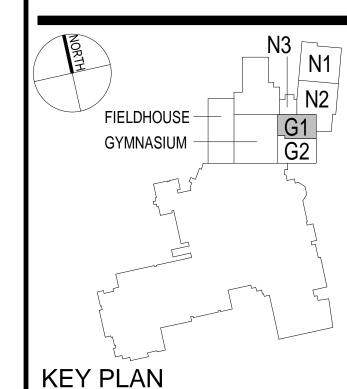
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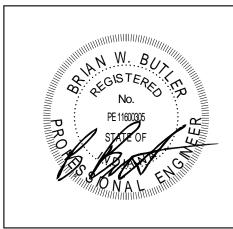




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UNIT G1 - FIRST FLOOR ELECTRICAL DEMOLITION PLAN

ED.05

REFER TO ELECTRICAL SPECIFICATION SECTION 260005 "ELECTRICAL DEMOLITION" FOR ADDITIONAL REQUIREMENTS THAT APPLY TO THIS DRAWING SHEET. REMOVE ELECTRICAL EQUIPMENT COMPLETE.

KEYNOTES

D6 DISCONNECT AND REMOVE POWER FEED AND CONDUIT FROM EXISTING MECHANICAL UNIT.

D7 EXISTING ELECTRICAL EQUIPMENT TO REMAIN IN PLACE.

CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

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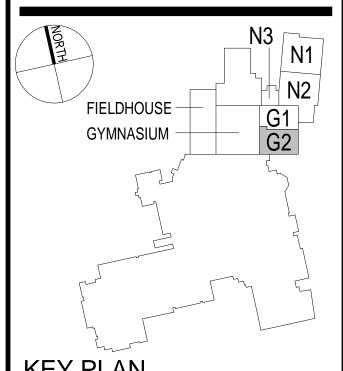
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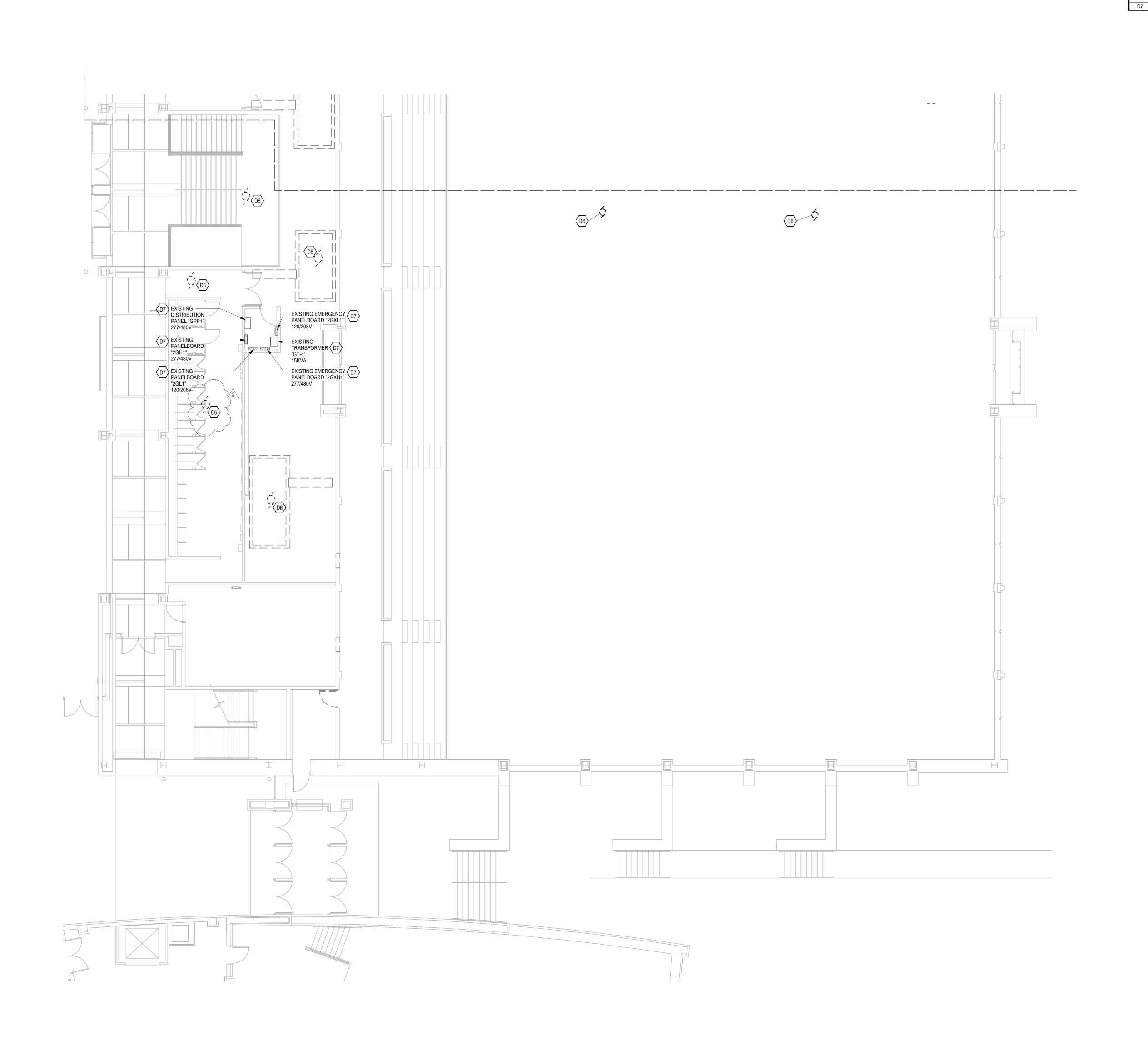


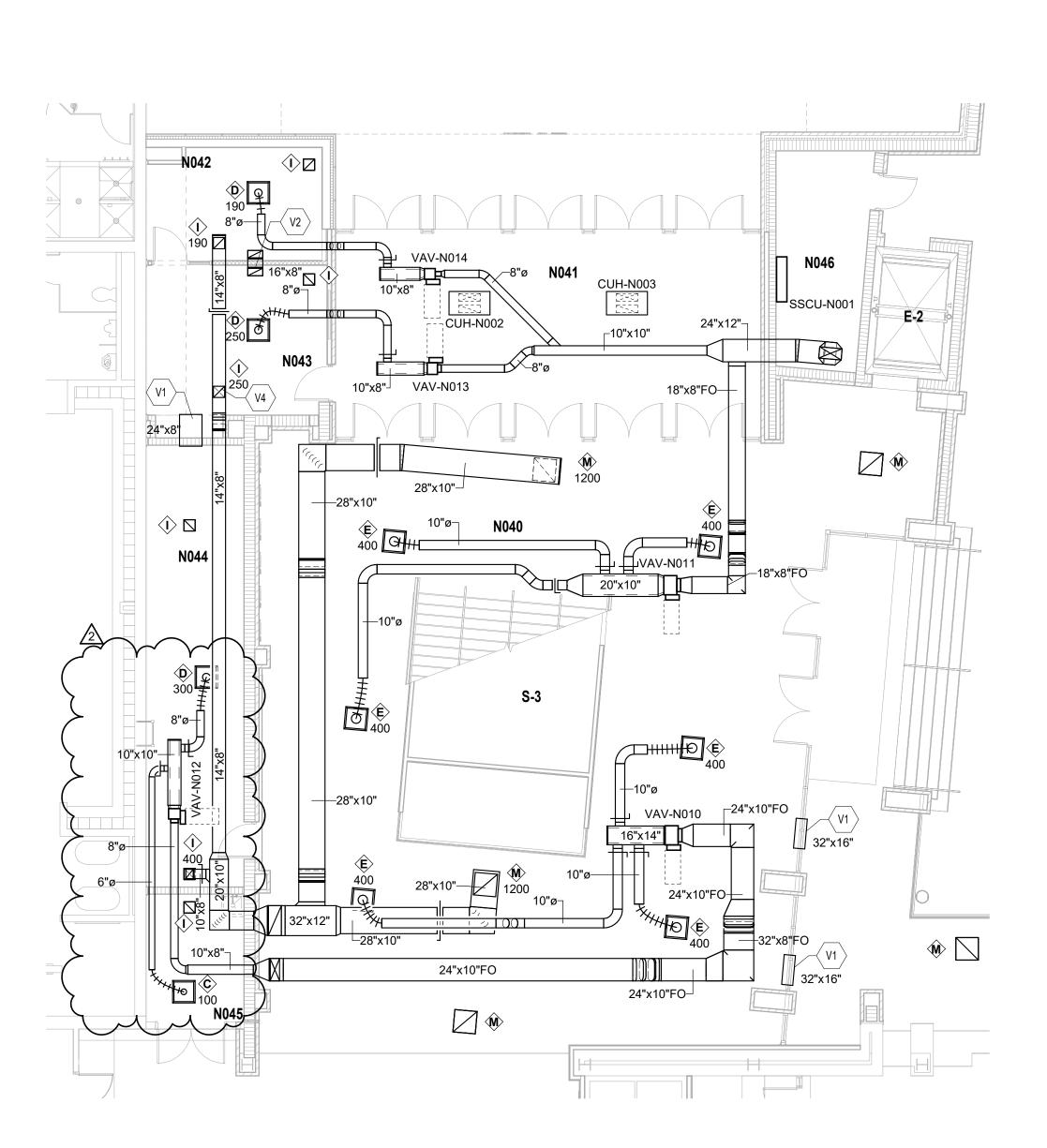
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UNIT G2 - FIRST FLOOR ELECTRICAL DEMOLITION PLAN

ED.06





UNIT N3 -LOWER LEVEL VENTILATION PLAN

ROOM LEGEND - LOWER LEVEL UNIT N3 AREA (SF) ROOM NO. ROOM NAME E-2 ELEVATOR N040 LOBBY N041 VESTIBULE
 N041
 VESTIBULE

 N042
 SRO

 N043
 RECEPTION

 N044
 STORAGE

 N045
 CUSTODIAL

 N046
 ELEV. EQ.

 S-3
 STAIR

156 SF 235 SF

VENTILATION PLAN GENERAL NOTES

- ALL DUCTWORK, PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, UNLESS OTHERWISE NOTED.
 - REFER TO THE SPECIFICATIONS FOR REQUIREMENTS RELATED TO EQUIPMENT QUALITY, CONSTRUCTION AND FINISH OF MATERIALS. ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR
- EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS. SEAL DUCT PENETRATIONS THROUGH THE FLOOR AND/OR WALLS IN ACCORDANCE WITH MECHANICAL CODE AND SMACNA REQUIREMENTS. SEAL DUCT PENETRATIONS THROUGH FIRE RATED FLOORS AND/OR WALLS WITH A MATERIAL HAVING SAME FIRE RATING AS THE WALL AND/OR FLOOR. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT. ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. ALL ROUND DUCT
- SIZES SHOWN ARE INSIDE DIAMETERS. PROVIDE BALANCING DAMPER AT EACH DUCT BRANCH, SERVING DIFFUSER, GRILLE AND REGISTER. INSTALL WALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, ETC. 44" ABOVE THE FINISH FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS. COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH ALL OTHER TRADES. COORDINATE MECHANICAL SYSTEM INSTALLATION
- WITH STRUCTURE, FIRE PROTECTION AND LIGHTING PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT
- FROM SIZES SHOWN ON PLAN. ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA REQUIREMENTS.

VENTILATION PLAN NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

V1 AIR TRANSFER WALL OPENING LOCATED

LOCATION WITH ALL TRADES.

ABOVE THE CEILING. COORDINATE EXACT

V2 ACOUSTICALLY LINED AIR TRANSFER SOUND TRAP. EXTEND DUCTWORK UP TO PROVIDE NO LINE OF SITE FROM OPENING TO OPENING.

PROVIDE VOLUME DAMPER IN VERTICAL DUCTWORK TO AIR DEVICE.

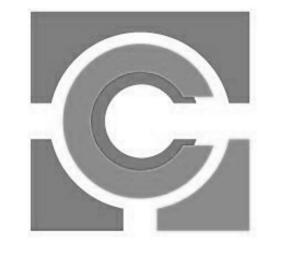
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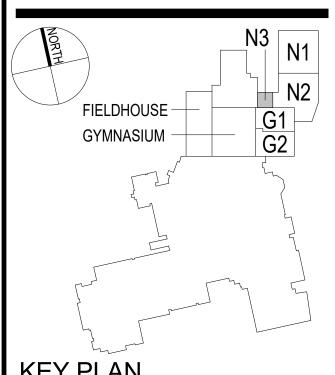
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CARMEL CLAY SCHOOLS



HOWEY

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VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

LOWER LEVEL VENTILATION PLAN -**UNIT N3**

| V8 WL-N107 V16 30"x14" V7 N102 | |
|---|--|
| 10"x8" 10"x8" 10"x8" 10"x8" 24"x24" 10"x8" 24"x24" 24"x20" 20"x12" | |
| 20°x12" 12°x8" 250 22°x18" N101 N101 10°x8" | |
| 365 10"x8" N104 28"x16" 75 8"x8" 1 N105 N106A W105 10"x8" V1 10"x8" V1 10"x8" V1 10"x8" V1 10"x8" N106B | |
| S-6 30'x18" 24"x8" 24"x8" 70"x8" 18"x16" 18"x16" 10"x8" 10"x8" | |
| 365 10°x8" N107 | |

VENTILATION PLAN GENERAL NOTES ROOM LEGEND - FIRST FLOOR UNIT N1

81 SF

407 SF

390 SF

ROOM NO. ROOM NAME N101 WOMEN'S RESTROOM
N102 POOL BALCONY
N103 UPPER CONCOURSE
N104 VOMITORIUM 6428 SF 389 SF N105 FAMILY RR

N106 MEN'S RESTROOM
N107 VOMITORIUM

ALL DUCTWORK, PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, UNLESS OTHERWISE NOTED.

REFER TO THE SPECIFICATIONS FOR REQUIREMENTS RELATED TO EQUIPMENT QUALITY, CONSTRUCTION AND FINISH OF MATERIALS. ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR

AND/OR WALLS IN ACCORDANCE WITH MECHANICAL

EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS. SEAL DUCT PENETRATIONS THROUGH THE FLOOR

CODE AND SMACNA REQUIREMENTS. SEAL DUCT PENETRATIONS THROUGH FIRE RATED FLOORS AND/OR WALLS WITH A MATERIAL HAVING SAME FIRE RATING AS THE WALL AND/OR FLOOR. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT.

ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. ALL ROUND DUCT SIZES SHOWN ARE INSIDE DIAMETERS. PROVIDE BALANCING DAMPER AT EACH DUCT BRANCH,

SERVING DIFFUSER, GRILLE AND REGISTER. INSTALL WALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, ETC. 44" ABOVE THE FINISH FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS. COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH ALL OTHER TRADES.

COORDINATE MECHANICAL SYSTEM INSTALLATION WITH STRUCTURE, FIRE PROTECTION AND LIGHTING

PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT FROM SIZES SHOWN ON PLAN. ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA REQUIREMENTS.

VENTILATION PLAN NOTES

INSULATION.

DUCTWORK.

REFER TO DETAIL.

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

V1 AIR TRANSFER WALL OPENING LOCATED ABOVE THE CEILING. COORDINATE EXACT LOCATION WITH ALL TRADES.

V6 EXPOSED DUCTWORK TO BE PAINTED. COORDINATE EXACT COLOR WITH

V2 ACOUSTICALLY LINED AIR TRANSFER SOUND

DESCRIPTION

TRAP. EXTEND DUCTWORK UP TO PROVIDE NO LINE OF SITE FROM OPENING TO OPENING. V5 DUCTWORK PROVIDED WITH INTERNAL LINED

> ARCHITECT/ENGINEER. CLEAN AND PREPARE DUCTWORK TO ENSURE PAINT ADHERES TO

SHALL BE SEALED WATER-TIGHT. DRIP PAN TO EXTEND A MINIMUM OF 6 INCHES BEYOND

BEHIND WALL LOUVER. TRANSITION BOTTOM

LOUVER. SEAL ALL SEAMS AND EDGES WATER TIGHT. WRAP PLENUM WITH INSULATION.

OF DUCT AT A SLOPE DOWNWARD TO WALL

V7 WRAP EXHAUST DUCTWORK WITH INSULATION FROM WALL TO EXHAUST FAN(S). V8 INSTALL DRIP PAN UNDER WALL LOUVER, PAN

V16 INSULATED SHEET METAL PLENUM MOUNTED

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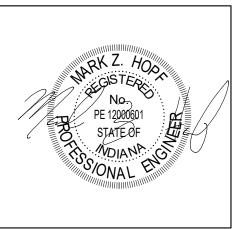
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CARMEL CLAY SCHOOLS

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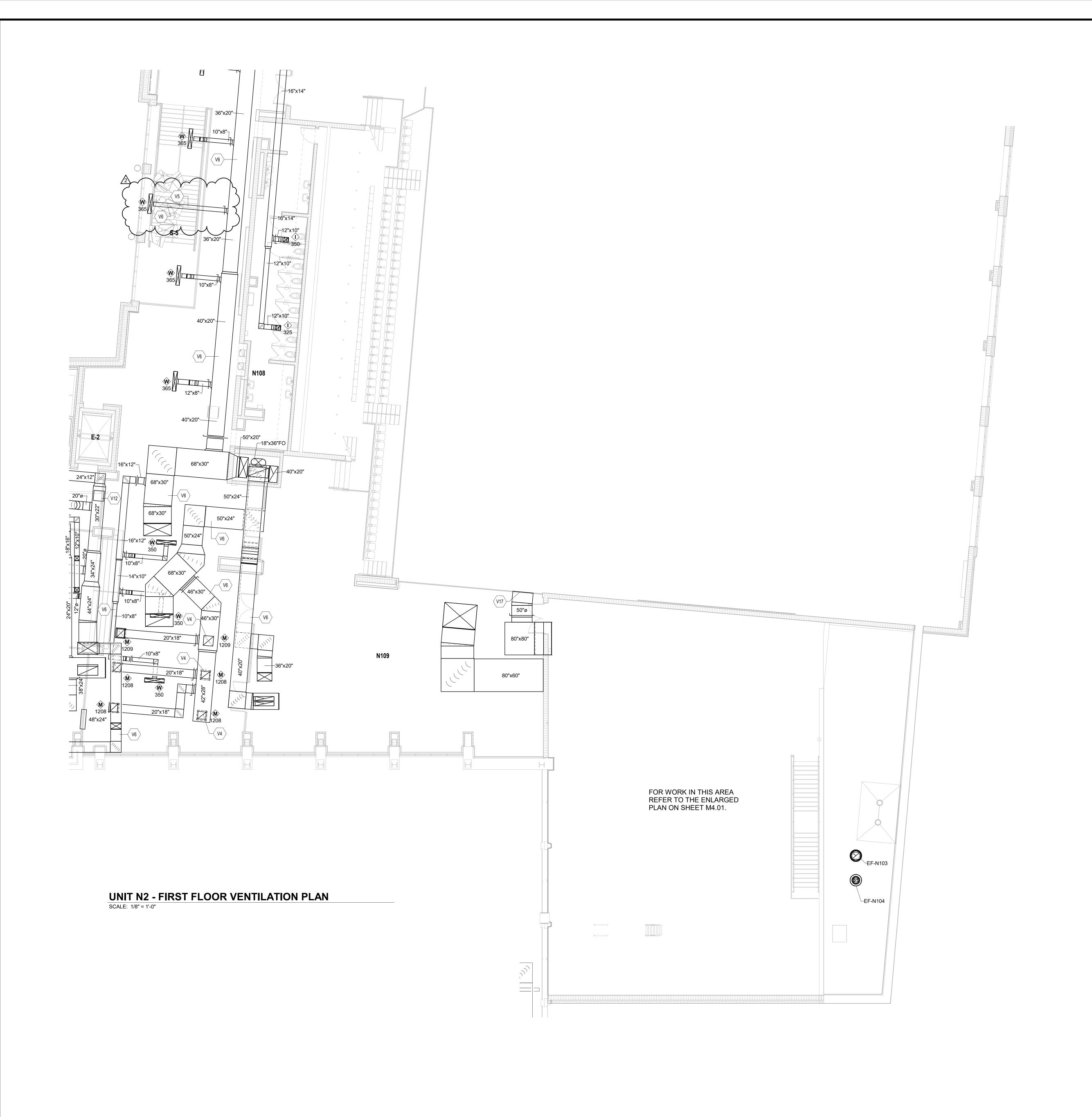
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VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED,

CONTACT THE ARCHITECT BEFORE PROCEEDING WITH

FIRST FLOOR VENTILATION PLAN -UNIT N1



ROOM LEGEND - FIRST FLOOR UNIT N2

166 SF

ROOM NO. ROOM NAME AREA (SF) N108 WOMEN'S RESTROOM 658 SF N109 POOL BALCONY
N110 MECHANICAL ROOM
S-4 STAIR 2023 SF 4206 SF VENTILATION PLAN GENERAL NOTES

ALL DUCTWORK, PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, UNLESS OTHERWISE NOTED. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS

RELATED TO EQUIPMENT QUALITY, CONSTRUCTION AND FINISH OF MATERIALS. ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS. SEAL DUCT PENETRATIONS THROUGH THE FLOOR AND/OR WALLS IN ACCORDANCE WITH MECHANICAL CODE AND SMACNA REQUIREMENTS. SEAL DUCT PENETRATIONS THROUGH FIRE RATED FLOORS AND/OR WALLS WITH A MATERIAL HAVING SAME FIRE

RATING AS THE WALL AND/OR FLOOR. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT.
ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. ALL ROUND DUCT SIZES SHOWN ARE INSIDE DIAMETERS. PROVIDE BALANCING DAMPER AT EACH DUCT BRANCH,

INSTALL WALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, ETC. 44" ABOVE THE FINISH FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS. COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH ALL OTHER TRADES. COORDINATE MECHANICAL SYSTEM INSTALLATION WITH STRUCTURE, FIRE PROTECTION AND LIGHTING

SERVING DIFFUSER, GRILLE AND REGISTER.

PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT FROM SIZES SHOWN ON PLAN. ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA REQUIREMENTS.

VENTILATION PLAN NOTES

INSULATION.

DUCTWORK.

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

V4 PROVIDE VOLUME DAMPER IN VERTICAL DUCTWORK TO AIR DEVICE.

V6 EXPOSED DUCTWORK TO BE PAINTED. COORDINATE EXACT COLOR WITH

V5 DUCTWORK PROVIDED WITH INTERNAL LINED

V12 APPROXIMATE LOCATION OF DUCT STATC PRESSURE SENSOR. SENSOR PROVIDED BY

INSTALLED BY HVAC CONTRACTOR. V17 TRANSITION TO FABRIC DUCTWORK AT THIS

DESCRIPTION

ARCHITECT/ENGINEER. CLEAN AND PREPARE DUCTWORK TO ENSURE PAINT ADHERES TO

TEMPERATURE CONTROL CONTRACTOR AND

APPROXIMATE LOCATION. FABRIC DUCTWORK TO BE MOUNTED IN A FASHION WHERE

DUCTWORK DOES NOT TOUCH STEEL OR ANY OTHER BUILDING COMPONENT WHILE INFLATED OR DEFLATED. INSTALL FABRIC DUCTWORK

WITH A 2-ROW U-TRACK SUSPENSION SYSTEM.

COORDINATE EXACT LOCATION WITH ALL OTHER TRADES. CUSTOM COLOR TO BE SELECTED BY THE ARCHITECT/ENGINEER.

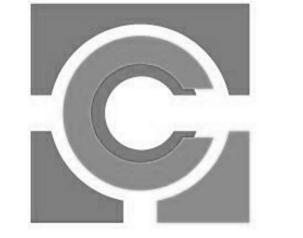
REFER TO DETAILS AND SPECIFICATIONS.

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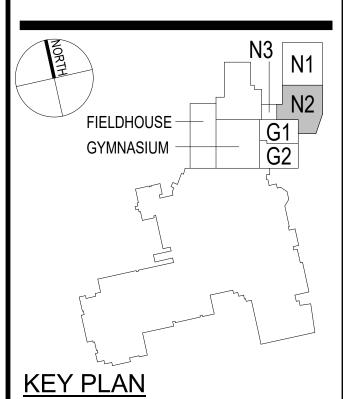
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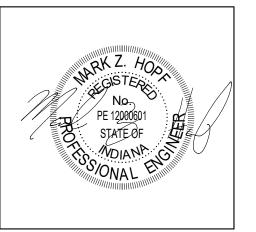
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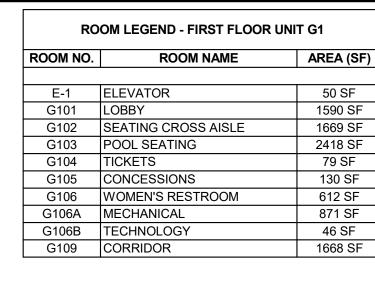
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VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH FIRST FLOOR VENTILATION PLAN -UNIT N2



AREA (SF)

VENTILATION PLAN GENERAL NOTES

ALL DUCTWORK, PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, UNLESS OTHERWISE NOTED. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS RELATED TO EQUIPMENT QUALITY, CONSTRUCTION AND FINISH OF MATERIALS.

ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS. SEAL DUCT PENETRATIONS THROUGH THE FLOOR AND/OR WALLS IN ACCORDANCE WITH MECHANICAL CODE AND SMACNA REQUIREMENTS. SEAL DUCT PENETRATIONS THROUGH FIRE RATED FLOORS AND/OR WALLS WITH A MATERIAL HAVING SAME FIRE RATING AS THE WALL AND/OR FLOOR. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO

ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. ALL ROUND DUCT SIZES SHOWN ARE INSIDE DIAMETERS. PROVIDE BALANCING DAMPER AT EACH DUCT BRANCH, SERVING DIFFUSER, GRILLE AND REGISTER. INSTALL WALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, ETC. 44" ABOVE THE FINISH FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS. COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH ALL OTHER TRADES. COORDINATE MECHANICAL SYSTEM INSTALLATION

MATCH EXISTING SURFACES, SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT.

WITH STRUCTURE, FIRE PROTECTION AND LIGHTING PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT FROM SIZES SHOWN ON PLAN. ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF

ALUMINUM IN ACCORDANCE WITH SMACNA

REQUIREMENTS.

VENTILATION PLAN NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

DESCRIPTION

NECESSARY ADJUSTMENTS AND ACCESSORIES

FOR A COMPLETE AND FULLY FUNCTIONAL

CONNECT TO EXISTING BUCTWORK MAKE ADJUSTMENTS AS NECESSARY.

OTHER CONTRACTORS. MAKE ADJUSTMENS AS

V28 INSTALL DUCTWORK AS HIGH AS POSSIBLE. COORDINATE EXACT LOCATION WITH ALL EXISTING BUILDING COMPONENTS AND ALL

V29 REBALANCE EXISTING GRILLE TO 1,420 CFM. V30 REBALANCE EXISTING GRILLE TO 2,580 CFM.

V3 RE-INSTALL THE EXISTING RETURN DUCTWORK ON THE ROOF IN THE EXACT SAME LOCATION AND MANNER AS THE PREVIOUS INSTALLATION. CLEAN ALL DUCTWORK AND FITTINGS PRIOR

TO RE-INSTALLATION. PROVIDE ALL

V25 ROUTE DUCTWORK THROUGH THE EXTERIOR WALL AND THEN CONNECT TO THE EXISTING

V26 CONNECT TO EXISTING DUCTWORK. MAKE ADJUSTMENTS AS NECESSARY. MATCH EXISTING DUCTWORK TYPE/CONSTRUCTION. INSTALL DUCTWORK ROOF SUPPORTS BELOW

INSIDE THE BUILDING.

DUCTWORK AS REQUIRED.

CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

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520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS



HOWEY

WWW.FHAI.COM 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204

FIELDHOUSE -GYMNASIUM -

CONSTRUCTION DOCUMENTS



DRAWN BY: MZH PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

NO. DESCRIPTION

REV.

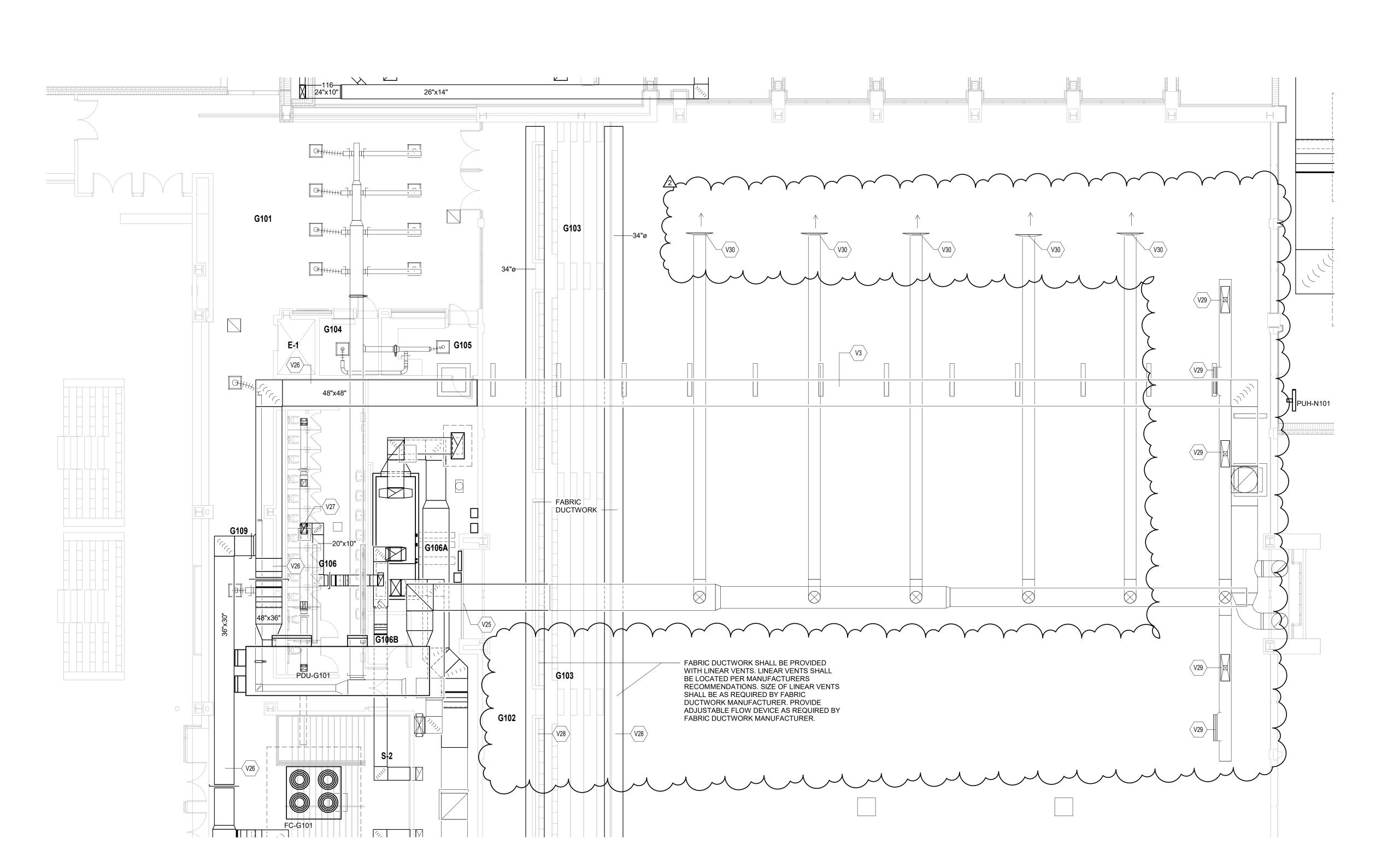
| | 1 | ADDENDUM #1 | 01/25/20 |
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| | 2 | ADDENDUM #2 | 02/01/20 |
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VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED,

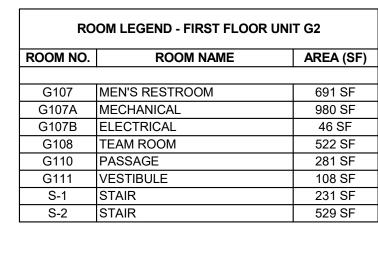
CONTACT THE ARCHITECT BEFORE PROCEEDING WITH

FIRST FLOOR VENTILATION PLAN -**UNIT G1**



UNIT G1 - FIRST FLOOR VENTILATION PLAN

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



VENTILATION PLAN GENERAL NOTES

ALL DUCTWORK, PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, UNLESS OTHERWISE NOTED. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS RELATED TO EQUIPMENT QUALITY, CONSTRUCTION

AND FINISH OF MATERIALS. ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS. SEAL DUCT PENETRATIONS THROUGH THE FLOOR AND/OR WALLS IN ACCORDANCE WITH MECHANICAL CODE AND SMACNA REQUIREMENTS. SEAL DUCT PENETRATIONS THROUGH FIRE RATED FLOORS AND/OR WALLS WITH A MATERIAL HAVING SAME FIRE RATING AS THE WALL AND/OR FLOOR. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT. ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. ALL ROUND DUCT

SIZES SHOWN ARE INSIDE DIAMETERS. PROVIDE BALANCING DAMPER AT EACH DUCT BRANCH, SERVING DIFFUSER, GRILLE AND REGISTER. INSTALL WALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, ETC. 44" ABOVE THE FINISH FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS. COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH ALL OTHER TRADES. COORDINATE MECHANICAL SYSTEM INSTALLATION

WITH STRUCTURE, FIRE PROTECTION AND LIGHTING PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT FROM SIZES SHOWN ON PLAN. ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA REQUIREMENTS.

VENTILATION PLAN NOTES

INSULATION.

DUCTWORK.

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

DESCRIPTION

ON THE ROOF IN THE EXACT SAME LOCATION

CLEAN ALL DUCTWORK AND FITTINGS PRIOR

ARCHITECT/ENGINEER. CLEAN AND PREPARE DUCTWORK TO ENSURE PAINT ADHERES TO

APPROXIMATE LOCATION. FABRIC DUCTWORK TO BE MOUNTED IN A FASHION WHERE DUCTWORK DOES NOT TOUCH STEEL OR ANY OTHER BUILDING COMPONENT WHILE INFLATED

AND MANNER AS THE PREVIOUS INSTALLATION.

NECESSARY ADJUSTMENTS AND ACCESSORIES

V3 RE-INSTALL THE EXISTING RETURN DUCTWORK

TO RE-INSTALLATION. PROVIDE ALL

V5 DUCTWORK PROVIDED WITH INTERNAL LINED

V17 TRANSITION TO FABRIC DUCTWORK AT THIS

V25 ROUTE DUCTWORK THROUGH THE EXTERIOR WALL AND THEN CONNECT TO THE EXISTING INSIDE THE BUILDING.

V26 CONNECT TO EXISTING DUCTWORK. MAKE

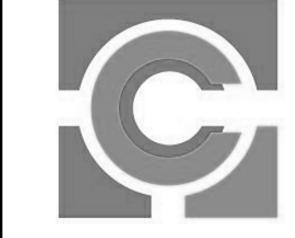
EXPOSED DUCTWORK TO BE PAINTED. COORDINATE EXACT COLOR WITH

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CARMEL CLAY SCHOOLS



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OR DEFLATED. INSTALL FABRIC DUCTWORK WITH A 2-ROW U-TRACK SUSPENSION SYSTEM. COORDINATE EXACT LOCATION WITH ALL 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204 OTHER TRADES. CUSTOM COLOR TO BE SELECTED BY THE ARCHITECT/ENGINEER. REFER TO DETAILS AND SPECIFICATIONS.

ADJUSTMENTS AS NECESSARY. MATCH EXISTING DUCTWORK TYPE/CONSTRUCTION. INSTALL DUCTWORK ROOF SUPPORTS BELOW CONNECT TO EXISTING DUCTWORK, MAKE ADJUSTMENTS AS NECESSARY. V28 INSTALL DUCTWORK AS HIGH AS POSSIBLE. COORDINATE EXACT LOCATION WITH ALL EXISTING BUILDING COMPONENTS AND ALL OTHER CONTRACTORS. MAKE ADJUSTMENS AS

V29 REBALANCE EXISTING GRILLE TO 1,420 CFM. V30 REBALANCE EXISTING GRILLE TO 2,580 CFM.

FIELDHOUSE -**GYMNASIUM**

CONSTRUCTION DOCUMENTS



DRAWN BY: MZH PROJECT NUMBER: 220014.00

PROJECT ISSUE DATE: 12.17.2021

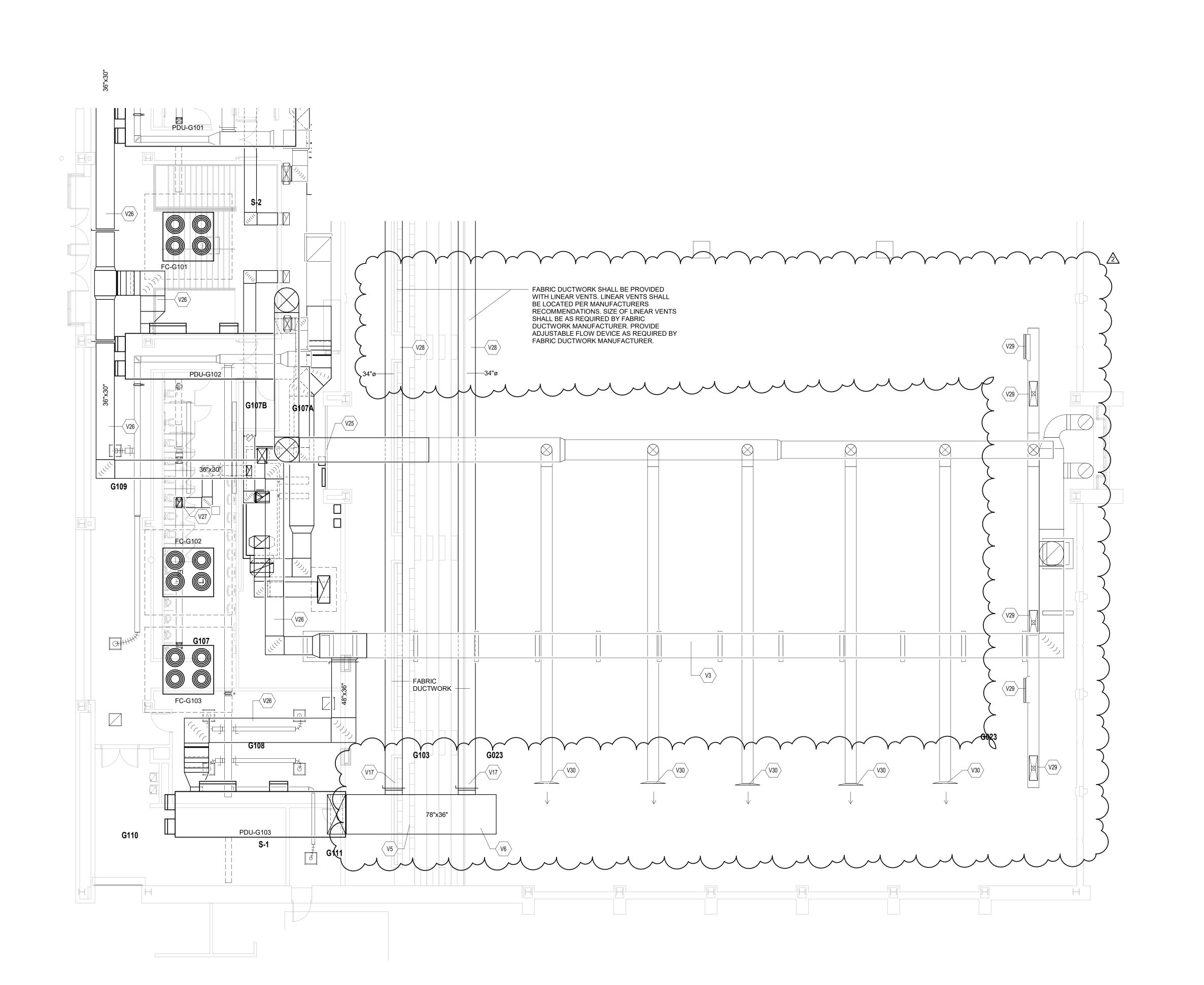
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| 2 | ADDENDUM #2 | 02/01/2022 |
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VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED,

CONTACT THE ARCHITECT BEFORE PROCEEDING WITH

FIRST FLOOR VENTILATION PLAN -**UNIT G2**



UNIT G2 - FIRST FLOOR VENTILATION PLAN

N201 CROSS AISLE
N202 POOL SEATING
N203 POOL SEATING **FABRIC** DUCTWORK FABRIC DUCTWORK - ALUMINUM SHEETMETAL FABRIC DUCTWORK SHALL BE DUCTWORK PROVIDED WITH LINEAR VENTS. LINEAR VENTS SHALL BE AT THE FOLLOWING LOCATIONS: 2:00, 6:00 AND 10:00. SIZE OF LINEAR VENTS SHALL BE AS REQUIRED BY FABRIC DUCTWORK MANUFACTURER. PROVIDE ADJUSTABLE FLOW DEVICE AS REQUIRED BY FABRIC DUCTWORK MANUFACTURER. V18 V18 — (TYP. OF ALL 72 DIFFUSERS IN THIS SPACE) FABRIC DUCTWORK SHEETMETAL - FABRIC DUCTWORK -ALUMINUM - SHEETMETAL DUCTWORK UNIT N1 - UPPER SEATING LEVEL VENTILATION PLAN

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

ROOM LEGEND - UPPER SEATING LEVEL UNIT N1

A. A.

2086 SF

M NO. ROOM NAME AREA (SF)

201 CROSS AISLE 1369 SF

VENTILATION PLAN GENERAL NOTES

ALL DUCTWORK, PIPING AND VALVES SHALL BE
CONCEALED ABOVE THE CEILING AND WITHIN WALLS,
UNLESS OTHERWISE NOTED.
REFER TO THE SPECIFICATIONS FOR REQUIREMENTS
RELATED TO EQUIPMENT QUALITY, CONSTRUCTION

RELATED TO EQUIPMENT QUALITY, CONSTRUCTION AND FINISH OF MATERIALS.

ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS. SEAL DUCT PENETRATIONS THROUGH THE FLOOR AND/OR WALLS IN ACCORDANCE WITH MECHANICAL CODE AND SMACNA REQUIREMENTS. SEAL DUCT PENETRATIONS THROUGH FIRE RATED FLOORS

AND/OR WALLS WITH A MATERIAL HAVING SAME FIRE RATING AS THE WALL AND/OR FLOOR.

MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT.

ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. ALL ROUND DUCT SIZES SHOWN ARE INSIDE DIAMETERS.

PROVIDE BALANCING DAMPER AT EACH DUCT BRANCH, SERVING DIFFUSER, GRILLE AND REGISTER.

INSTALL WALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, ETC. 44" ABOVE THE FINISH

FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS.
COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR
OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH
ALL OTHER TRADES.
COORDINATE MECHANICAL SYSTEM INSTALLATION
WITH STRUCTURE, FIRE PROTECTION AND LIGHTING
LAYOUT.
PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT
FROM SIZES SHOWN ON PLAN.

ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA

REQUIREMENTS.

VENTILATION PLAN NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

V18 ROUTE DUCTWORK THROUGH STRUCTURAL

DESCRIPTION

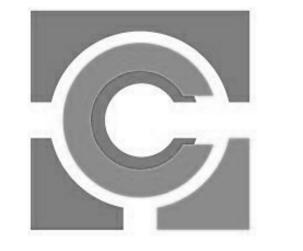
STEEL AS REQUIRED. COORDINATE WITH STRUCTURAL CONTRACTOR AND ALL OTHER

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CARMEL CLAY SCHOOLS



HITECT

FANNING HOWEY

350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204

FIELDHOUSE G1 G2

1 PLAIN

CONSTRUCTION DOCUMENTS



DRAWN BY: MZH
PROJECT NUMBER: 220014.00
PROJECT ISSUE DATE: 12.17.2021

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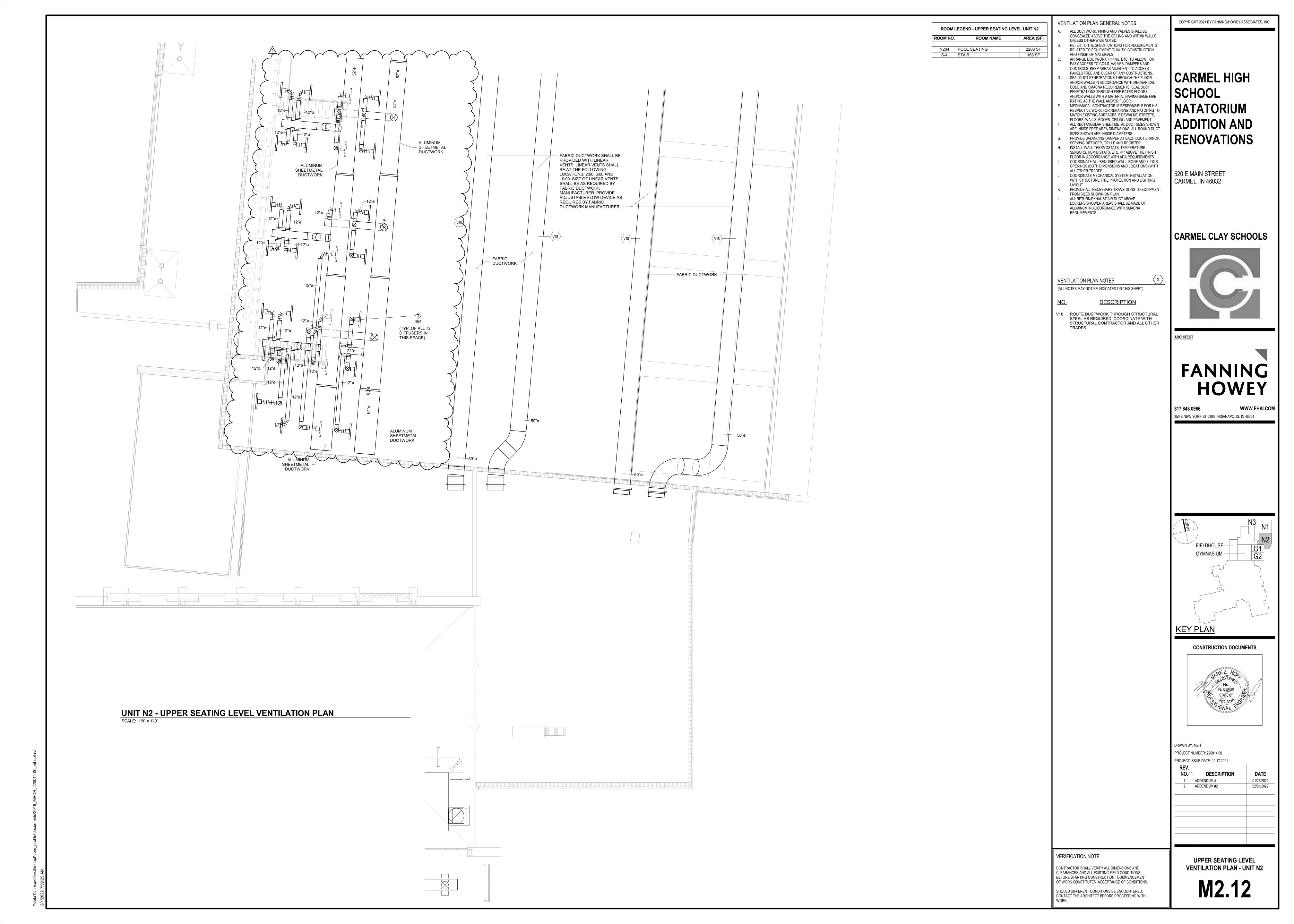
VERIFICATION NOTE

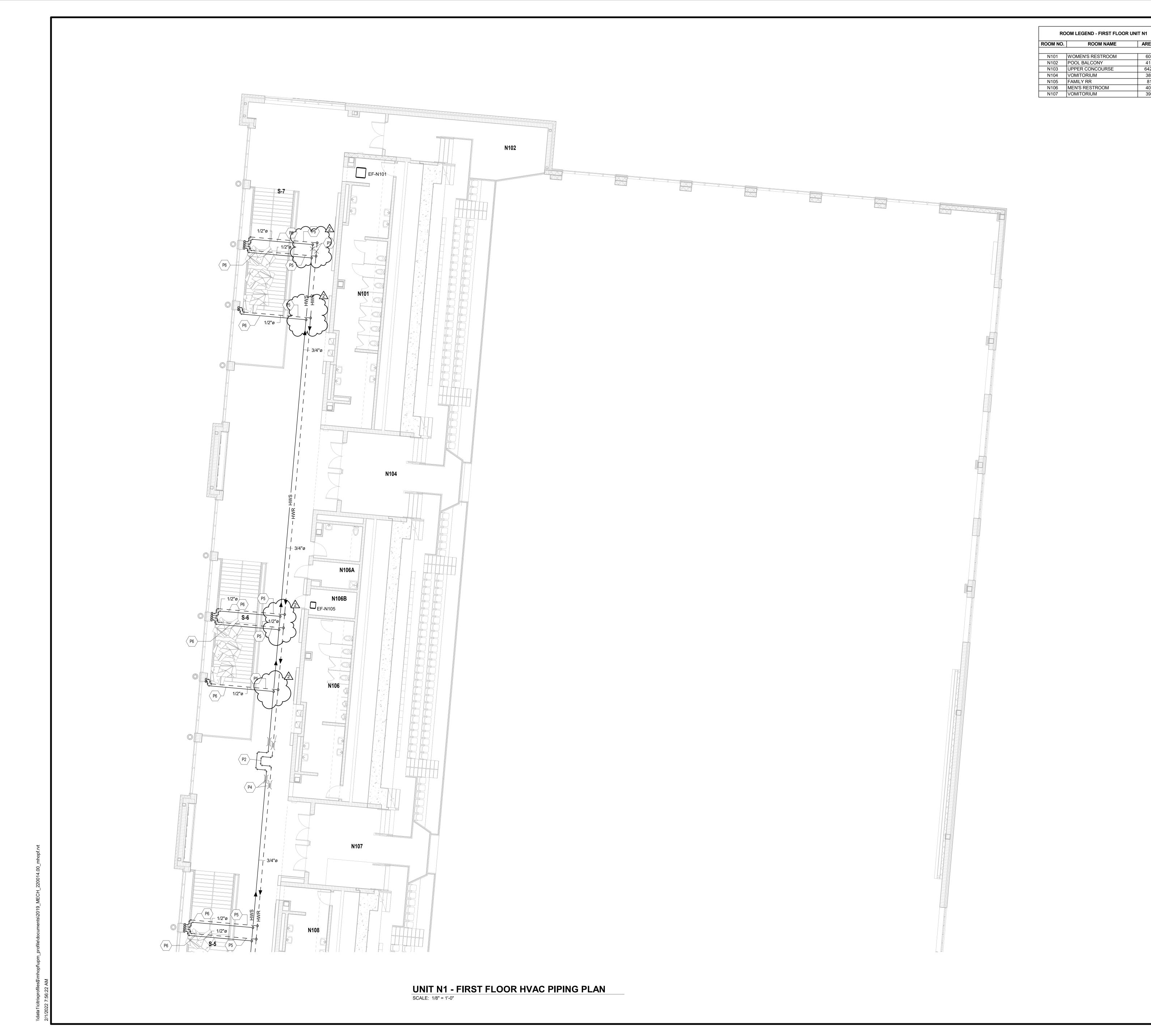
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH

UPPER SEATING LEVEL VENTILATION PLAN - UNIT N1

M2.11





HVAC PIPING PLAN GENERAL NOTES

ALL PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, UNLESS OTHERWISE AREA (SF)

412 SF

6428 SF

81 SF

407 SF 390 SF

- REFER TO THE SPECIFICATIONS FOR REQUIREMENTS RELATED TO EQUIPMENT QUALITY, CONSTRUCTION
- AND FINISH OF MATERIALS. ARRANGE PIPING, ETC. TO ALLOW FOR EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP
- AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OPSTRUCTIONS.

 MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS,
- FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT.
 HYDRONIC SUPPLY AND RETURN PIPING SHALL BE THE
 SAME SIZE UNLESS OTHERWISE NOTED.

CARMEL HIGH SCHOOL NATATORIUM ADDITION AND

RENOVATIONS

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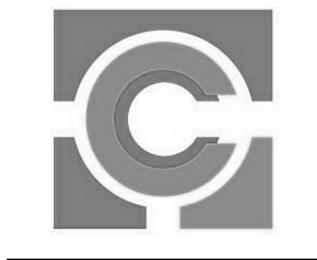
520 E MAIN STREET CARMEL, IN 46032

HVAC PIPING PLAN NOTES (ALL NOTES MAY NOT BE INDICATED ON THIS SHEET) **DESCRIPTION**

P2 NESTED HOSE AND BRAID PIPE EXPANSION LOOP SIZED FOR 4" EXPANSION. MAINTAIN PIPE

- P3 PIPE ANCHOR. REFER TO PROJECT MANUAL SECTION 230516. P4 PIPE GUIDE. REFER TO PROJECT MANUAL
- SECTION 230516. P5 INSTALL CONTROL VALVES FOR RADIANT HEATERS AT THIS APPROXIMATE LOCATION.
 PIPING SHALL BE INSTALLED ABOVE THE
- CEILING, BUT CLOSE TO THE GAP IN CEILING SO THE VALVING IS ACCESSIBLE. PAINT PIPING TO A COLOR AS SELECTED BY THE ARCHITECT. P6 EXPOSED PIPING SHALL BE PAINTED.

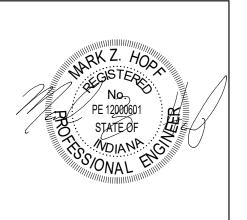
CARMEL CLAY SCHOOLS





350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204

CONSTRUCTION DOCUMENTS



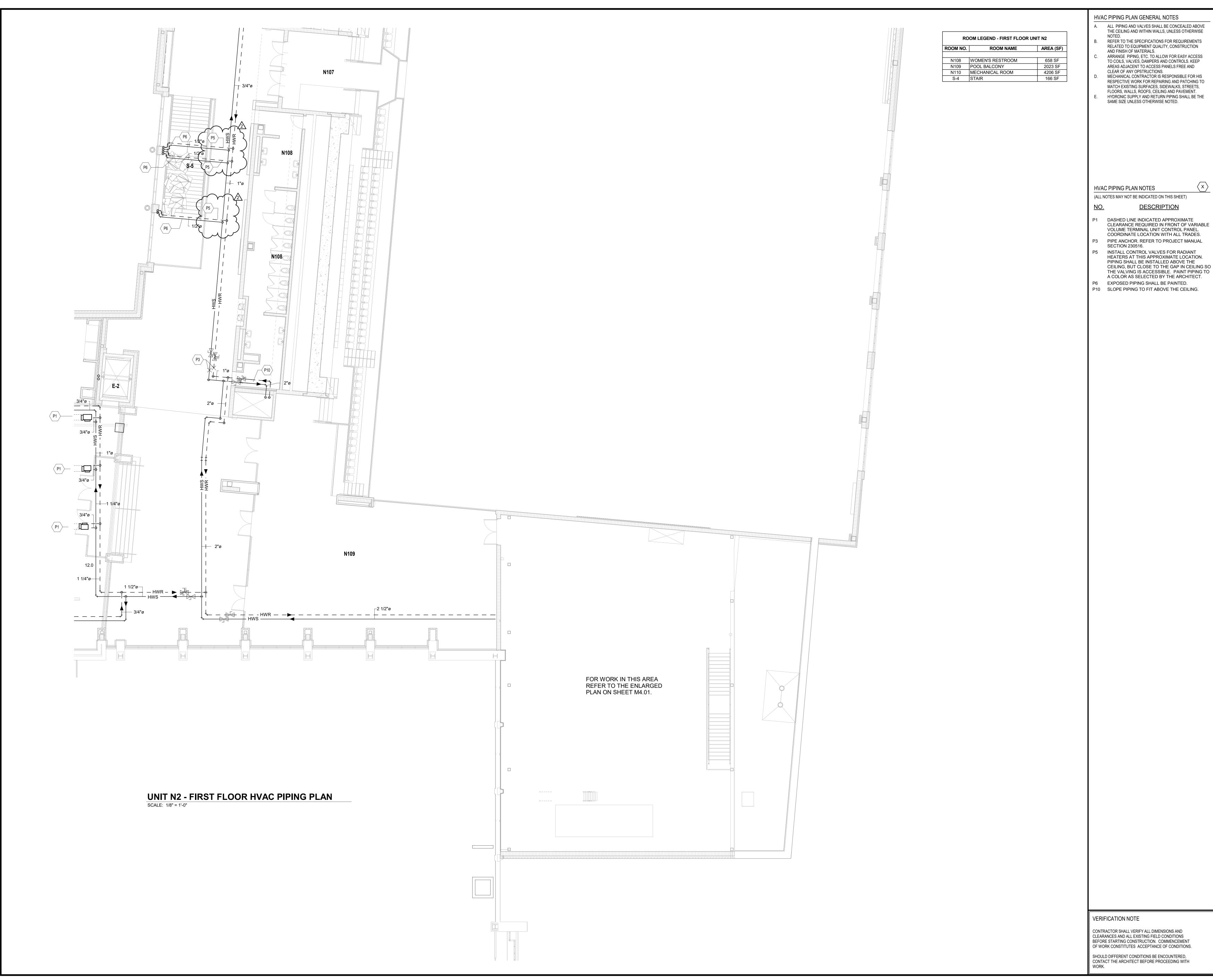
PROJECT NUMBER: 220014.00

PROJECT ISSUE DATE: 12.17.2021

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VERIFICATION NOTE

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HVAC PIPING PLAN GENERAL NOTES

REFER TO THE SPECIFICATIONS FOR REQUIREMENTS RELATED TO EQUIPMENT QUALITY, CONSTRUCTION

AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OPSTRUCTIONS. MECHANICAL CONTRACTIONS.

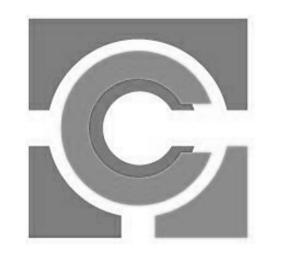
MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS,

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CARMEL CLAY SCHOOLS





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CONSTRUCTION DOCUMENTS

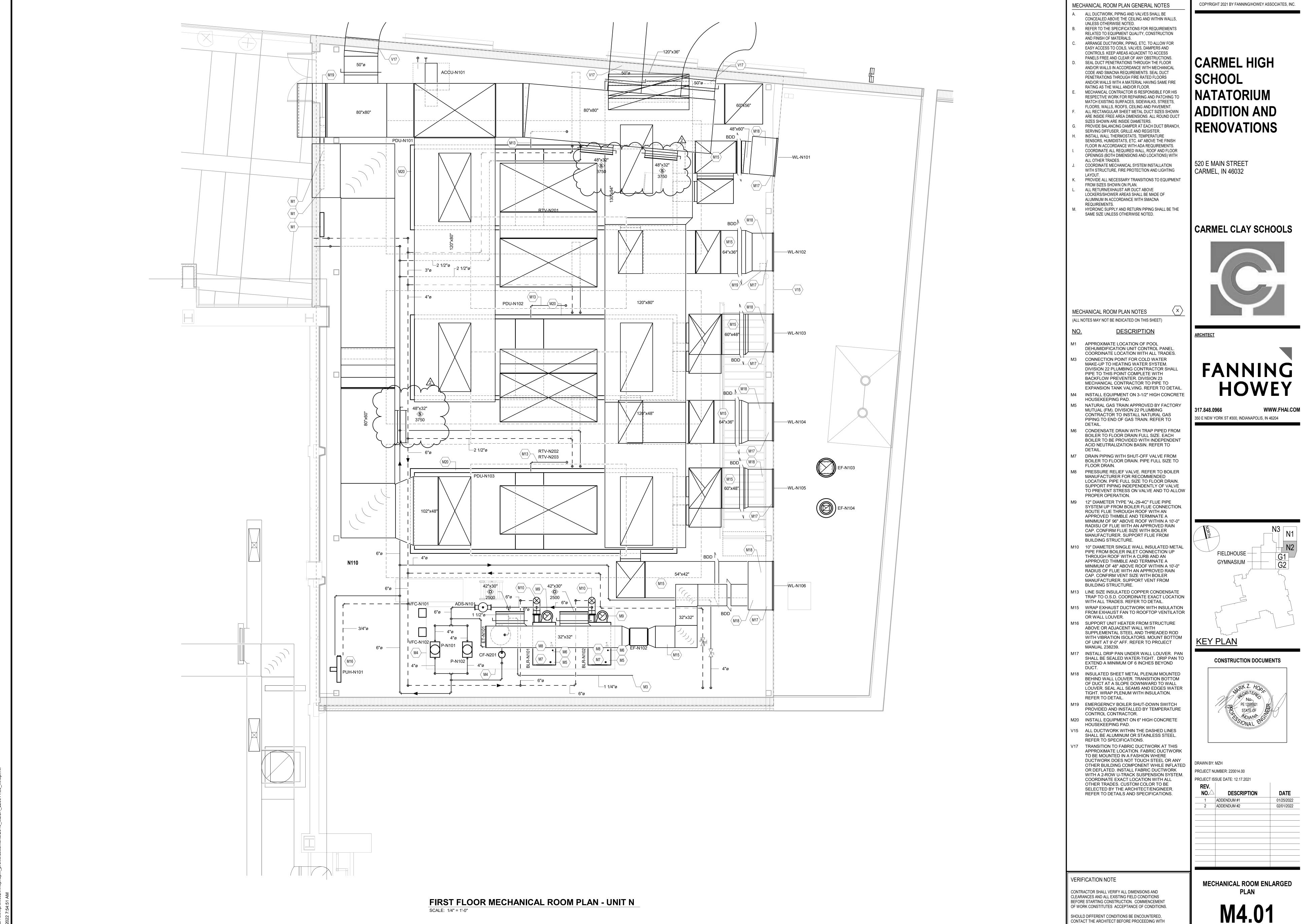


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CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. FIRST FLOOR PIPING PLAN - UNIT N2



| NO | ΓES |
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MARK

FTR-N001

FTR-N002

FTR-N003

FTR-N004

FTR-N005

FTR-N006

FTR-N007

FTR-N008

FTR-N009

FTR-N101

1. INCLUDE ALL WELDED PERFORATED TOP GRILLE TO HIDE FINS.

12'-0"

12'-0"

12'-0"

37'-6"

10-6"

10-6"

10-6"

5.5

5.5

5.5

36-6" 19.3

- PROVIDE TRIM PIECES AND END COVER PIECES AS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION.
- 3. SUPPLY AND RETURN PIPING CONNECTIONS SHALL BE LOCATED ON THE SAME END.
- 4. REFER TO SPECIFICATION SECTION 238233.

ENCLOSURE

HEIGHT

5-3/4"+3" PEDESTAL

- 5. PROVIDE A CUSTOM COLOR AS SELECTED BY THE ARCHITECT.
- 6. ENCLOSURES SHALL BE INSTALLED TIGHT TO WALL.

531 BTU/LF

531 BTU/LF

531 BTU/LF

531 BTU/LF

7. INCLUDE FLOOR MOUNTED SUPPORT PEDESTALS. NUMBER OF SUPPORT PEDESTALS AS RECOMMENDED BY MANUFACTURER.

0.5

0.5

RUNTAL R2F-2

RUNTAL R2F-2

0.5 RUNTAL R2F-2

1.9 RUNTAL R2F-2

1,2,3,4,5,6,7,8,9,10

1,2,3,4,5,6,7,8,9,10

1,2,3,4,5,6,7,8,9,10

1,2,3,4,5,6,7,8,9,10

- PROVIDE END CAPS, WALL TRIM, CENTER TRIMS AND CORNER
- PIECES AS REQUIRED FOR A COMPLETE FINISH. 9. RADIATOR SHALL HAVE NO LESS THAN 32 FINS PER FOOT.
- 10. RADIATOR SHALL BE SELECTED AS A STANDARD WORKING PRESSURE (56 PSI).

| MARK | HP | ELEC SERV | MARK SERVING | EQUIPMENT SERVING | NOTES |
|----------|------|--------------|-----------------|----------------------|---------|
| VFC-N101 | 10.0 | 460/3 | HWP-N101 | PUMP | 1,2,3,4 |
| VFC-N102 | 10.0 | 460/3 | HWP-N102 | PUMP | 1,2,3,4 |
| VFC-G101 | 10.0 | 460/3 | AHU-G101 | SUPPLY FAN | 1,2,3,4 |
| VFC-G102 | 1/4 | 460/3 | AHU-G101 | HEAT WHEEL | 1,2,3,4 |
| VFC-G103 | 2.0 | 460/3 | AHU-G101 | EXHAUST FAN | 1,2,3,4 |
| VFC-G104 | 5.0 | 460/3 | AHU-G102 | SUPPLY FAN | 1,2,3,4 |
| VFC-G105 | 1/6 | 460/3 | AHU-G102 | HEAT WHEEL | 1,2,3,4 |
| VFC-G106 | 3.0 | 460/3 | AHU-G102 | EXHAUST FAN | 1,2,3,4 |
| | | I | | | · |

VARIABLE FREQUENCY CONTROLLER SCHEDULE

- 1. DRIVE PROVIDED AND INSTALLED BY THE DIVISION 23 HVAC CONTRACTOR.
- 2. DIVISION 26 ELECTRICAL CONTRACTOR TO PROVIDE POWER WIRING TO VFC AND FROM
- 3. TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE ALL TEMPERATURE CONTROL WIRING. 4. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

| | | | | | EXHAUST F | AN SCH | HEDULE | | | | | |
|---------|--------------|-------|-------|------|-----------|--------|----------|---------|------------------|-------------------|---------------|--|
| | | | | EXT. | MAX. | EL | EC | CONTROL | MODEL | DDIVE | NOTES | |
| MARK | TYPE | CFM | FRPM | S.P. | SONES | HP | SERV | CONTROL | MODEL | MODEL DRIVE NOTES | NOTES | |
| EF-N001 | IN-LINE | 600 | 1,517 | 0.35 | 7.9 | 1/6 | 115/60/1 | D | SQ-95-VG | DIRECT | 1,2,3,4,6,7 | |
| EF-N002 | IN-LINE | 4,000 | 995 | 0.40 | 11.4 | 1 | 460/60/1 | D | SQ-18-07-0700-VG | DIRECT | 1,2,3,4,6,7 | |
| EF-N003 | IN-LINE | 175 | 1,649 | 0.33 | 5.4 | 1/15 | 115/60/1 | D | SQ-70-VG | DIRECT | 1,2,3,4,6,7 | |
| EF-N004 | IN-LINE | 175 | 1,649 | 0.33 | 5.4 | 1/15 | 115/60/1 | D | SQ-70-VG | DIRECT | 1,2,3,4,6,7 | |
| EF-N005 | IN-LINE | 475 | 1,245 | 0.25 | 5.9 | 1/6 | 115/60/1 | С | SQ-95-VG | DIRECT | 1,2,3,4,6,7 | |
| EF-N006 | IN-LINE | 400 | 1,266 | 0.23 | 5.2 | 1/10 | 115/60/1 | С | SQ-90-VG | DIRECT | 1,2,3,4,6,7 | |
| EF-N007 | IN-LINE | 75 | 1,370 | 0.23 | 2.8 | 1/15 | 115/60/1 | С | SQ-70-VG | DIRECT | 1,2,3,4,6,7 | |
| EF-N008 | IN-LINE | 300 | 1,438 | 0.25 | 6.4 | 1/10 | 115/60/1 | B.2 | SQ-80-VG | DIRECT | 1,2,3,4,6,7 | |
| EF-N101 | IN-LINE | 1,875 | 965 | 0.6 | 8.1 | 3/4 | 115/60/1 | A | SQ-160-VG | DIRECT | 1,2,3,4,6,7 | |
| EF-N102 | IN-LINE | 5,000 | 1,175 | 0.43 | 13.7 | 2 | 460/60/1 | D | SQ-18-07-700-VG | DIRECT | 1,2,3,4,6,7 | |
| EF-N103 | ROOF MOUNTED | 1,500 | 934 | 0.23 | 7.7 | 1/2 | 115/60/1 | D | G-140-VG | DIRECT | 1,2,4,5,6,7,8 | |
| EF-N104 | ROOF MOUNTED | 175 | 1,211 | 0.20 | 2.3 | 1/15 | 115/60/1 | С | G-70-VG | DIRECT | 1,2,4,5,6,7,8 | |
| EF-N105 | IN-LINE | 400 | 1,266 | 0.23 | 5.2 | 1/10 | 115/60/1 | С | SQ-90-VG | DIRECT | 1,2,3,4,6,7 | |

- . INCLUDE FACTORY MOUNTED DISCONNECT SWITCH.
- 2. INCLUDE BACKDRAFT DAMPER. 3. SUPPORT FROM STRUCTURE ABOVE WITH THREADED ROD
- AND VIBRATION ISOLATORS.
- 4. REFER TO SPECIFICATION SECTION 233423 FOR ADDITIONAL REQUIREMENTS.
- 5. MOUNT ON 12" HIGH ROOF CURB. 6. ALL FAN MODELS SPECIFIED AS MANUFACTURED BY GREENHECK.
- 7. INCLUDE ECM FAN WITH SPEED CONTROL.
- 8. CUSTOM COLOR AS SELECTED BY THE ARCHITECT.
- CONTROL KEY: A. AUTOMATIC OCCUPIED OPERATION BY LOCAL TEMPERATURE
- CONTROL ZONE. B. MANUAL CONTROLS BY DIVISION 26.
- .2 WITH LIGHTS.

C. AUTOMATIC OPERATION BY REVERSE-ACTING THERMOSTAT.

D. 24 HOUR CONTINUOUS OPERATION.

.1 WITH TIMER SWITCH.

| | ROOFTOP VENTILATOR/INTAKE HOOD SCHEDULE | | | | | | | | |
|----------|---|-----------------|---------------------------------|-------------|---------|---------------|--|--|--|
| MARK | THROAT LENGTH | THROAT WIDTH | MOTORIZED RELIEF CONTROL DAMPER | DRIP PAN | MODEL | NOTES | | | |
| RTV-G201 | 24" | 48" | NO | NO | EXHAUST | 1,2,3,4,5,7,8 | | | |
| RTV-G202 | 24" | 54" | NO | NO | EXHAUST | 1,2,3,4,5,7,8 | | | |
| RTV-N201 | 72" | 144" | NO | NO | INTAKE | 1,2,4,5,8 | | | |
| RTV-N202 | 72" | 144" | NO | NO | INTAKE | 1,2,4,5,8 | | | |
| RTV-N203 | 72" | 144" | NO | NO | INTAKE | 1,2,4,5,8 | | | |
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| | | | | | | | | | |

- 1. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- 2. HOODS SCHEDULED ARE AS MANUFACTURED BY GREENHECK (FABRA HOOD) 3. EXHAUST AND RELIEF HOODS TO BE MOUNTED ON MINIMUM 18" HIGH ROOF CURB.
- 4. INTAKE HOODS TO BE MOUNTED ON MINIMUM 24" HIGH ROOF CURB.
- 5. CUSTOM COLOR AS SELECTED BY ARCHITECT/ENGINEER. 6. CONTROL DAMPER PROVIDED BY TEMPERATURE CONTROL CONTRACTOR, WHERE REQUIRED.
- 7. DRIP PAN TO EXTEND A MINIMUM OF 6" ON EACH SIDE OF THE HOOD THROAT.
- 8. HOODS TO BE PROVIDED WITH A HINGED BASE KIT.

| MINI-SPLIT COOLING UNIT | | | | | | | | | |
|-------------------------|------------------------------|-----------------|-----------------|-----------------|---------|-----|--------------|----------------------------|--------------------|
| | | EVAPORATOR UNIT | | | POWER | | | OUTDOOR CONDENSING UNIT | |
| MARK | NOMINAL TONS CLG CAPACITY | AIRFLOW CFM | COOLING BTUH | HEATING BTUH | BREAKER | RLA | ELEC SERV | AIRFLOW CFM | NOTES |
| SSCU-N001/ACCU-N201 | 2.5 | 635/705/755 | 30,000 | 32,000 | 25 A | 7 A | 208/60/1 | 1,940 | 1,2,3,5,6,7,8,9,10 |
| SSCU-N002/ACCU-N101 | 1.0 | 350 | 12,000 | - | 15 A | 7 A | 208/60/1 | 1,590 | 1,2,3,4,5,6,7,8,9 |

- 1. WIRELESS REMOTE TEMPERATURE CONTROLS.
- 2. INCOMING POWER SHALL BE TO CONDENSING UNIT. ELECTRICAL CONTRACTOR SHALL TAP OFF TO INDOOR UNIT.
- 3. ENTERING AIR CONDITIONS = 75 DEGREES F @ 50% RH.
- 4. SUPPORT INDOOR UNIT FROM WALL BELOW CEILING. INDOOR CONDENSER SHALL SET ON EQUIPMENT RAILS OR FIELD FABRICATED WALL-MOUNTS IN MECHANICAL ROOM.
- 5. OUTDOOR TEMPERATURE OPERATING RANGES: COOLING: 0° 115° HEATING: -4° - 70°
- 6. EVAPORATOR SECTION COMPLETE WITH COIL, THERMOSTATIC EXPANSION VALVE, AND FILTER DRIER.
- 7. INSTALL REFRIGERANT PIPING SIZE AND QUANTITY PER MANUFACTURER'S REQUIREMENTS.
- 8. THREE FAN SPEED SETTINGS AND AUTO SETTING.
- 9. UNIT TO BE PROVIDED WITH CONDENSATE PUMP.
- 10. SUPPORT INDOOR UNIT FROM WALL BELOW CEILING. OUTDOOR CONDENSER SHALL SET ON EQUIPMENT RAILS ON THE ROOF.

| MARK | PRIMARY CFM | MIN PRIMARY CFM | MBH | GPM | INLET DIA | AVAIL. INLET SP | N.C. LEVEL | WTD |
|-----------|----------------|-----------------------|--------|-------|--------------|-----------------------|---------------|--------|
| VAV-N001 | 240 | 120 | 9.75 | 0.50 | 5" | 0.79 | 19 | 40° |
| VAV-N002 | 720 | 360 | 30.79 | 1.60 | 14" | 0.77 | - | 40° |
| VAV-N003 | 660 | 330 | 27.67 | 1.60 | 10" | 0.85 | - | 40° |
| VAV-N004 | 660 | 330 | 27.67 | 1.60 | 10" | 0.85 | - | 40° |
| VAV-N005 | 720 | 360 | 32.59 | 1.60 | 12" | 0.85 | - | 40° |
| VAV-N006 | 210 | 105 | 9.42 | 0.50 | 5" | 0.88 | 19 | 40° |
| VAV-N007 | 1100 | 550 | 45.56 | 1.60 | 12" | 1.19 | 16 | 40° |
| VAV-N008 | 1100 | 550 | 45.56 | 1.60 | 12" | 1.07 | 16 | 40° |
| VAV-N009 | 120 | 60 | 4.98 | 0.50 | 5" | 0.92 | - | 40° |
| VAV-N010 | 1200 | 600 | 51.45 | 2.60 | 14" | 1.01 | - | 40° 2 |
| VAXV-NOTY | 1200 | 600 | 31.45 | 2.60 | 14" | 1.11 | <u> </u> | 40° \\ |
| VAV-N012 | 400 | 200 | 17.0 | 0.90 | 8" | 0.94 | - | 40° |
| VAV-MO13 | | 125 | 10.6~ | 0.50~ | | 0.88 | ٠,٠ | 40° |
| VAV-N014 | 190 | 95 | 8.46 | 0.50 | 5" | 0.61 | - | 40° |
| VAV-N101 | 1740 | 870 | 80.34 | 3.80 | 16" | 1.33 | - | 40° |
| VAV-N102 | 1730 | 865 | 74.5 | 3.80 | 14" | 1.24 | - | 40° |
| VAV-N103 | 1150 | 575 | \$0.04 | 2.50 | 14" | 1.20 | - | 40° |
| VAV-N104 | 600 | 300 | 25.47 | 1.30 | 12" | 0.68 | - | 40° |
| | | | | | | | | |
| | | | | | | | | |

TOTAL

REQUIRED

EQUIPMENT

MARK

BLR-N101

BLR-N102

(HWP-N101

HWP-N102

ADS-N101

ET-N101

CF-N101

NOTES

1. MOUNT ON 3-1/2" CONCRETE HOUSEKEEPING PAD

4. SUPPORT FROM STRUCTURE ABOVE.

YAY REHEAT TERMINAL SCHEDULE

2. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

3. PUMP CONTROLLED BY VARIABLE FREQUENCY CONTROLLER.

COIL.

- 1. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- 2. UNIT SELECTION MUST ALLOW FOR A MINIMUM 0F 0.50" DOWNSTREAM STATIC PRESSURE. 3. 120/1 VOLT ELECTRICAL SERVICE WILL BE SUPPLIED TO EACH UNIT BY ELECTRICAL
- 4. UNIT MANUFACTURER SHALL PROVIDE REQUIRED HANGING BRACKETS TO PROPERLY SUPPORT UNIT.
- 5. HEATING COIL LOADS CALCULATED WITH 140° EWT AND 55° EAT, AND 95° LAT AT PRIMARY
- 6. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.

CONTRACTOR. REFER TO DETAILS.

- 7. HEATING COIL DESIGN BASED ON HIGH-EFFIECIENCY, HOT WATER COIL, UNLESS OTHERWISE NOTED.
- 8. COILS SHALL BE SELECTED WITH 10' WPD MAXIMUM.
- 9. PROVIDE NUMBER OF COIL ROWS AS REQUIRED TO MEET MBH. COILS MAY REQUIRE 4-ROW

| 5. | INCLUDE LEG SUF | PPORT. | | | | |
|------------|-----------------|---|--|--|------------------------------------|---|
| 3 . | EQUIPMENT TO BE | E FLOOR MOUNTE | ΞD | | | |
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| | | | EVTERIO | | | |
| | | | | OR WALL LOUVER SCI | HEDULE | |
| | | MARK | EXTERIO SIZE W X H | OR WALL LOUVER SCI TOP OF LOUVER ELEVATION | HEDULE TYPE | NOTES |
| | | MARK WL-N001 | | | | NOTES 1,2,3,4,5 |
| | | | SIZE W X H | TOP OF LOUVER ELEVATION | TYPE | |
| | | WL-N001 | SIZE W X H | TOP OF LOUVER ELEVATION 11'-4" AFF | TYPE WL-1 | 1,2,3,4,5 |
| | | WL-N001 WL-N002 | SIZE W X H 72"x24" 56"x24" | TOP OF LOUVER ELEVATION 11'-4" AFF 11'-4" AFF | TYPE WL-1 WL-1 | 1,2,3,4,5 1,2,3,4,5 |
| | | WL-N001 WL-N002 WL-N101 | SIZE W X H 72"x24" 56"x24" 56"x96" | TOP OF LOUVER ELEVATION 11'-4" AFF 11'-4" AFF 32'-0" AFF | TYPE WL-1 WL-1 WL-1 | 1,2,3,4,5 1,2,3,4,5 1,2,3,4,5 |
| | | WL-N001 WL-N002 WL-N101 WL-N102 | SIZE W X H 72"x24" 56"x24" 56"x96" 56"x96" | TOP OF LOUVER ELEVATION 11'-4" AFF 11'-4" AFF 32'-0" AFF | TYPE WL-1 WL-1 WL-1 WL-1 | 1,2,3,4,5 1,2,3,4,5 1,2,3,4,5 1,2,3,4,5 |
| | | WL-N001 WL-N002 WL-N101 WL-N102 WL-N103 | SIZE W X H 72"x24" 56"x24" 56"x96" 56"x96" 56"x96" | TOP OF LOUVER ELEVATION 11'-4" AFF 11'-4" AFF 32'-0" AFF 32'-0" AFF | TYPE WL-1 WL-1 WL-1 WL-1 WL-1 | 1,2,3,4,5 1,2,3,4,5 1,2,3,4,5 1,2,3,4,5 1,2,3,4,5 |

| MARK | SIZE W X H | TOP OF LOUVER ELEVATION | TYPE | NOTES |
|---------|---------------|----------------------------|------|-----------|
| WL-N001 | 72"x24" | 11'-4" AFF | WL-1 | 1,2,3,4,5 |
| WL-N002 | 56"x24" | 11'-4" AFF | WL-1 | 1,2,3,4,5 |
| WL-N101 | 56"x96" | 32'-0" AFF | WL-1 | 1,2,3,4,5 |
| WL-N102 | 56"x96" | 32'-0" AFF | WL-1 | 1,2,3,4,5 |
| WL-N103 | 56"x96" | 32'-0" AFF | WL-1 | 1,2,3,4,5 |
| WL-N104 | 56"x96" | 32'-0" AFF | WL-1 | 1,2,3,4,5 |
| WL-N105 | 56"x96" | 32'-0" AFF | WL-1 | 1,2,3,4,5 |
| WL-N106 | 72"x96" | 32'-0" AFF | WL-1 | 1,2,3,4,5 |
| WL-N107 | 32"x24" | 27'-4" AFF | WL-1 | 1,2,3,4,5 |
| | | | | |
| | | | | |
| | | | | |

HEATING PLANT EQUIPMENT SCHEDULE

DESCRIPTION

HIGH-EFFICIENT CONDENSING HEATING WATER BOILER, NATURAL GAS, 4000 MBH INPUT,

3840 MBH OUTPUT, LOW NOX BELOW 30 PPM ALL FIRING RATES. FM COMPLIANT GAS TRAIN,

10" WC, 100°F EWT, 140°F LWT. MINIMUM WATER FLOW: 35.0 GPM, MAXIMUM WATER FLOW:

SPLIT-COUPLED VERTICAL IN-LINE CENTRIFUGAL HEATING WATER CIRCULATING PUMP,

A.S.M.E. HEATING WATER SYSTEM BLADDER TYPE EXPANSION TANK, 211

HEATING WATER CHEMICAL SHOT FEEDER, 5.0 GALLON CAPACITY.

INVERTER DUTY MOTOR, PARALLEL CONFIGURATION. VFC OPERATION. 450 GPM, 225 GPM

SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. CONTROL PANEL

500 GPM. ANY VARIATION DUE TO MANUFACTURER'S EQUIPMENT

PROVIDED BY UNIT MANUFACTURER.

PER PUMP, 85' HEAD, 10 HP, 3600 RPM, 460/3/60.

6" HEATING WATER SYSTEM AIR/DIRT SEPARATOR 450 GPM CAPACITY. MAXIMUM PRESSURE DROP=5'.

GALLONS. 30" DIAMETER x 81-3/4" LENGTH.

1. REFER TO SPECIFICATION SECTION 089119. 2. SEAL ALL AROUND WITH SILICONE.

3. REFER TO INSTALLATION DETAILS ON ARCHITECTURAL AND MECHANICAL SHEETS.

4. CUSTOM COLOR AS SELECTED BY ARCHITECT. REFER TO DIVISION 9, LIST OF FINISHES. 5. COORDINATE SIZE AND LOCATION WITH ALL TRADES.

| | | AHU | MAXIMUM | I ALLOWA | BLE SOU | ND LEVEL | _S | | |
|----------|-----------------------|------|---------|----------|---------|----------|------|------|------|
| MARK | UNIT SOUND | 63Hz | 125Hz | 250Hz | 500Hz | 1KHz | 2KHz | 4KHz | 8KHz |
| RTU-N101 | UNIT SUPPLY DISCHARGE | 87 | 124 | 87 | 82 | 82 | 80 | 76 | 70 |
| RTU-N101 | UNIT RETURN INLET | 87 | 114 | 80 | 76 | 72 | 68 | 63 | 59 |
| RTU-N102 | RADIATED | 60 | 70 | 77 | 82 | 82 | 82 | 83 | 79 |
| RTU-N103 | RADIATED | 57 | 77 | 82 | 86 | 87 | 87 | 83 | 74 |
| AHU-G101 | UNIT SUPPLY DISCHARGE | 77 | 81 | 87 | 87 | 84 | 82 | 84 | 70 |
| AHU-G101 | UNIT RETURN INLET | 74 | 74 | 76 | 79 | 71 | 71 | 70 | 55 |
| AHU-G102 | UNIT SUPPLY DISCHARGE | 80 | 79 | 74 | 77 | 69 | 68 | 63 | 55 |
| AHU-G102 | UNIT RETURN INLET | 75 | 72 | 71 | 83 | 67 | 68 | 61 | 53 |
| | | | | | | | | | |
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| | | | | | | | | | |

| CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

NOTES

1,2,3

2,4

2,5,6

ELECTRICAL

SINGLE POINT POWER CONNECTION. 460/3, 12.0

SINGLE POINT POWER CONNECTION TO EAHC PUMP.

PUMP DISCONNECT AND WIRING BETWEEN PUMP AND

AMPS. UNIT MFR SHALL INCLUDE CONTROL

VOLTAGE TRANSFORMER. DISCONNECT BY

DIVISION 26.

VFC BY DIVISION 26.

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520 E MAIN STREET CARMEL, IN 46032

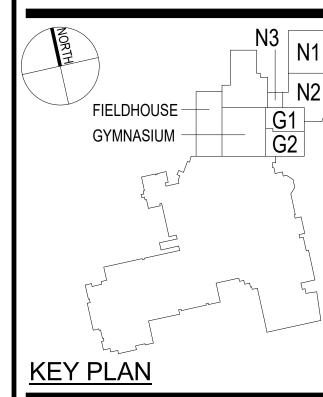
CARMEL CLAY SCHOOLS



ARCHITECT



WWW.FHAI.COM 317.848.0966 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204



CONSTRUCTION DOCUMENTS

DRAWN BY: MZH PROJECT NUMBER: 220014.00

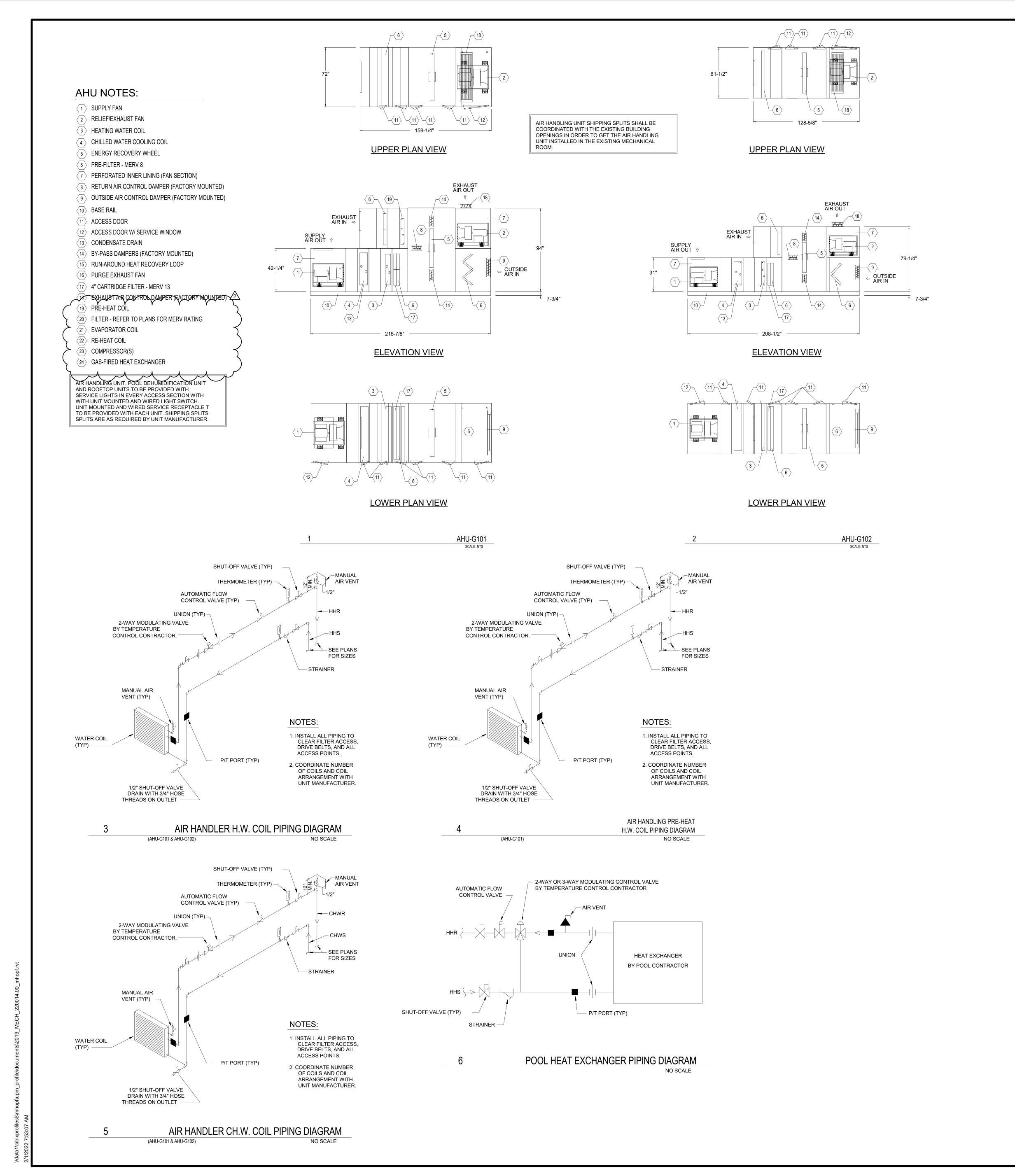
PROJECT ISSUE DATE: 12.17.2021

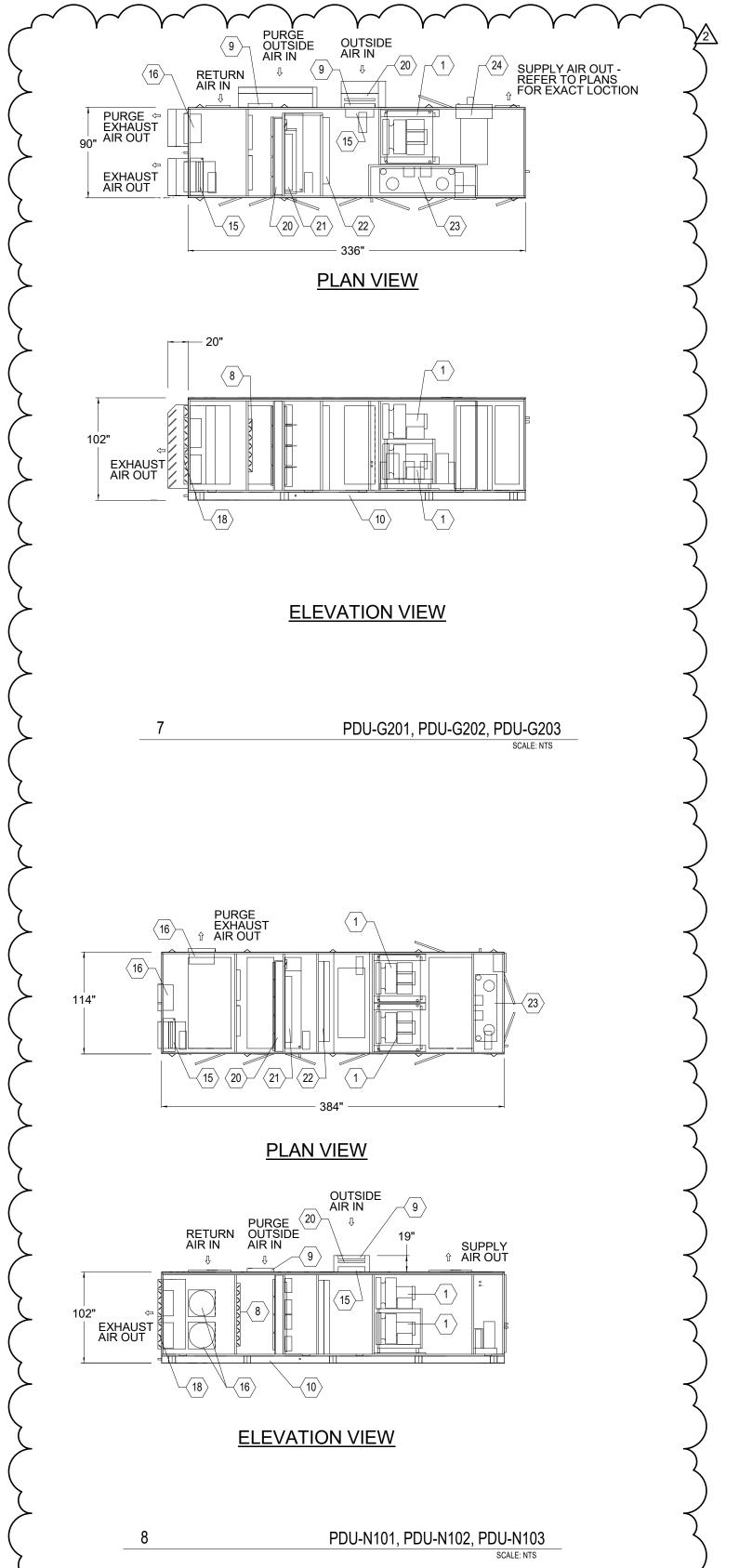
REV.

| NO. \triangle | DESCRIPTION | DATE |
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| 2 | ADDENDUM #2 | 02/01/2022 |
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MECHANICAL SCHEDULES

M5.02





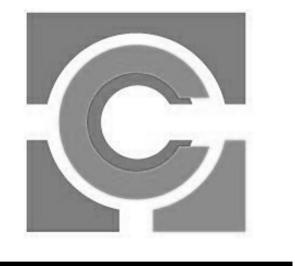
CARMEL HIGH SCHOOL NATATORIUM ADDITION AND

RENOVATIONS

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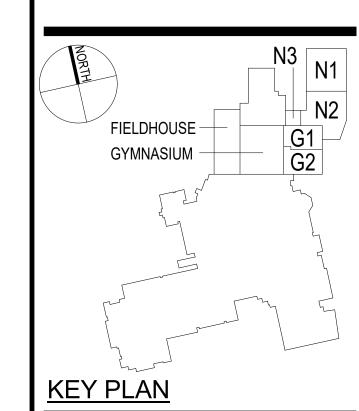
CARMEL CLAY SCHOOLS



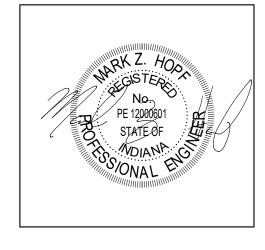
ARCHITECT



317.848.0966 WWW.FHAI.COM350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204



CONSTRUCTION DOCUMENTS



DRAWN BY: MZH
PROJECT NUMBER: 220014.00
PROJECT ISSUE DATE: 12.17.2021
REV.

| NO. \triangle | DESCRIPTION | DATE |
|-----------------|-------------|------------|
| 1 | ADDENDUM #1 | 01/25/2022 |
| 2 | ADDENDUM #2 | 02/01/2022 |
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MECHANICAL DETAILS

M5.05

| 63 | 1 | TALL LIFEGUARD CHAIR WITH SIDE STEP WITH A PLATFORM HEIGHT OF 47" AND A SEAT HEIGHT OF 64" INCLUDES UMBRELLA GUIDE AND CUP HOLDER. RECREONICS.MODEL NO. 42-626. |
|--|--------------------|--|
| 64 | QTY | FURNISH SPECTATOR STANCHIONS WITH INTERMEDIATE CHAIN. MR CHAIN HEAVY-DUTY MODEL STANCHIONS SHALL BE SUBSTANTIAL ROUND POSTS WITH A 32" OVERALL HEIGHT AND 2" IN DIAMETER. |
| 65 | AS REQ'D. | SUMPS GRATING |
| 66 | 1 | 18" LONG POOL BRUSH REC#10-135 WITH NYLON BRISTLES AND RIGID BACK AND HOLDER SHALL BE PERMANENTLY ATTACHED. HOLDER BRACKET SHALL BE OF CAST AL AND SHALL BE DESIGNED FOR EASY ATTACHEMENT TO STANDARD 1 1/4" AL HANDLE. |
| 67 | 1 | LEAF SKIMMERS 20" X 6" X 12" DEPTH. REC# 10-118 |
| 68 | 1 | WHITE RING BUOY 24' DIAMETER WITH 90' OF3" THROW ROPE ATTACHED REC#12-252 |
| 69 | 4 | RESCUE TUBES MADE OF CLOSED CELL ENSOLITE WITH HEAVY DUTY ORANGE VINYL SKIN, QUICK RELEASE BUCKEL AND 6' TOW LINE REC# 12-291 |
| 70 | 1 | 12' FIBERGLASS SAFETY POLE WITH BLUNT ENDS AND SHEPARD HOOK REC# 10-371 AND 12-239. |
| 71 | 1 | FIRST AID KIT ARC APPROVED REC#12-048, BLOOD SPILLS KIT REC#12-041, WHISTLE REC#12-357 |
| 72 | 2 | RESUSCITATION MASKS |
| 73 | 1 | BLOOD BORNE PATHOGENS KIT WITH GOWN, FACE MASK, SHIELDS, BODY FLUID CLEAN UP REC#12-041 |
| 74 | 2 | POOL SPLASH LIFT BATTERY POWERED WITH SPARE BATTERY AND CHARGER WITH FOOTREST, ARM REST, SPINE BOARD ATTACHMEN AND SEAT BELT. LIFE ANCHORS FOR OWNER'S LIFT, |
| 75 | 2 | PORTABLE PACE CLOCKS. |
| 76 | 2 | CJ SPINEBOARD 76" X 20" WITH NYLON STRAPS, HEAD IMMOBILIZER, BODY STRAPS, HEAD STRAPS, ADHESIVE STRIPS AND STAPLES REC#12-325 |
| 77 | 4 | PROMINENT MEDIUM PRESSURE UV UNIT |
| 78 | 2 | HAWS EYEWASH SHOWER MODEL 8336 EPOXY COATED, CORROSION RESISTANT |
| 79 | 4 | STAINLESS STEEL DOUBLE WALL HEAT EXCHANGERS |
| 80 | 3 | DURAFIRM ONE METER DIVE STANDS WITH 16'-0" MAXIFLEX B BOARDS |
| 81 | 3 | DURAFIRM ONE METER DIVE STANDS WITH DIVE SPRAYS |
| 82 | 1 | CUSTOM FRP DESK IN FILTER ROOM WITH SHELF AND CUSTOM STORAGE SHELVING |
| ~~ ⁸³ ~ | ~~ ⁵ ~~ | COSSYSTEM |
| 84 | QTY | CUSTOM PUMP PIT STAIRS. CUSTOM DOUBLE RAIL AROUND PUMP PIT WITH CHAIN RAILS BY DIV. 05. |
| ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ~~~ | FLOOR DRAIN, SEE MECHANICAL BINGS, BY OTHER THAN AQUATIC CONTRACTOR |
| 86 | 2 | HOSE BIB, SEE MECHANICAL DWGS, BY OTHER THAN AQUATIC CONTRACTOR |
| 87 | 16 | LÉD UNDERWATER POOL LIGHT NICHE FÜRNISHED BY POOL CONTRACTOR WITH 3º OF 1" DIA. OF SCH 80 PVC AND #8 BOND WIRE. LED LIGHTS FURNISHED BY POOL CONTRACTOR LED LIGHTS INSTALLED BY DIV. 26. |
| 88 | 4 | UNDERWATER SPEAKERS AND SPEAKERS NICHE BY DIV. 26. POOL CONTRACTOR SHALL INSTALL SPEAKER NICHE WITH 3' OF 1" DIA. OF SCH 80 PVC AND #8 BOND WIRE. SPEAKERS SHALL BE INSTALLED BY DIV. 26. |
| 89 | QTY | ADA TRANSFER BARS |
| 90 | | FURNISH AND INSTALL TM SERIES SUBMERSIBLE PUMP. MODEL NO. TM17500TM HI VOLUME SUBMERSIBLE PUMP WITH CUSTOM 50' PIGTAIL WITH TWIST LOCK CONNECTION PROVIDED BY DIVISION 26 CONTRACTOR INTO ROOM G020, 2HP, (4) 50' SECTION OF WHITE 3" DOUBLE JACKET FIRE HOSE OUTLETS, DOUBLE SEAL, OIL FREE DESIGN, 17500 GPH, 208 VOLT SINGLE PHASE MOTOR AND MOTOR. PROVIDE 200' OF 3" HOSE WITH 3" HOSE ADAPTER. |
| 91 | 1 | FURNISH (1) STAINLESS STEEL PORTABLE HONDA 1HP TRASH PUMP TO REMOVE WATER FROM THE UNDERDRAIN WITH 20' OF PIGTAIL AND 20' OF CHAIN WITH 30' OF 1 ½" FIREHOSE AND 1 ½" PUMP ADAPTER. |

| | | | IIEWI Q | QUANTITY | EQUIPMENT DESCRIPTION |
|-----------------|---------------------|---|----------------------------|---------------|---|
| 62 | 1 | FIBERGLASS FLOOR SUMP WITH GRATE COVER AND (2) 1HP SUMP PUMPS AND CONTROLS | CIRCULAT | ION & DIS | TRIBUTION EQUIPMENT |
| 63 | 1 | TALL LIFEGUARD CHAIR WITH SIDE STEP WITH A PLATFORM HEIGHT OF 47" AND A SEAT HEIGHT OF 64" INCLUDES UMBRELLA GUIDE AND CUP HOLDER. RECREONICS.MODEL NO. 42-626. | 2 | 78 13 | INLETS 2" ABS FLOOR INLETS STARITE MODEL NO. #08417 WHITE IN COLOR SIDE WALL INLETS HAYWARD MODEL NO. SP-1022 1 1/2" WITH SP-1419 DIRECTIONAL INLET FITTINGS |
| 64 | QTY | FURNISH SPECTATOR STANCHIONS WITH INTERMEDIATE CHAIN. MR CHAIN HEAVY-DUTY MODEL STANCHIONS SHALL BE SUBSTANTIAL ROUND POSTS WITH A 32" OVERALL HEIGHT AND 2" IN DIAMETER. | 3 | 10 | GUTTER DROP-OUT CONVERTORS STAINLESS STEEL 316L WITH FLANGED CONNECTIONS (6) 8" AT COMPETITION POOL, (2) 6" AT THERAPY POOL, (2) AT DIVING POOL |
| 65 | AS REQ'D. | SUMPS GRATING | 5 | 4 | SKIMMER THERAPY JET INLETS: WARMING |
| 66 | 1 | 18" LONG POOL BRUSH REC#10-135 WITH NYLON BRISTLES AND RIGID BACK AND HOLDER SHALL BE PERMANENTLY ATTACHED. HOLDER BRACKET SHALL BE OF CAST AL AND SHALL BE DESIGNED FOR EASY | 6 | QTY | HOT DIPPED GALVANIZED HANGARS AND HARDWARE IN DRY AREAS AND 316L SS IN WETTER AREAS |
| | | ATTACHEMENT TO STANDARD 1 1/4" AL HANDLE. | FILTRATIO 7 | N EQUIPN | AQUA REVIVAL COMPLETE FILTER SYSTEMS NEW 50M POOL MODEL BSG 50T |
| 67 | 1 | LEAF SKIMMERS 20" X 6" X 12" DEPTH. REC# 10-118 | 8 | 1 | AQUA REVIVAL COMPLETE FILTER SYSTEM EXISTING 50M POOL BSG 40T |
| 68 69 | 4 | WHITE RING BUOY 24' DIAMETER WITH 90' OF3" THROW ROPE ATTACHED REC#12-252 RESCUE TUBES MADE OF CLOSED CELL ENSOLITE WITH HEAVY DUTY ORANGE VINYL SKIN, QUICK RELEASE | 9 | 1 | AQUA REVIVAL COMPLETE FILTER SYSTEM DIVING POOL BSG 20T AQUA REVIVAL COMPLETE FILTER SYSTEM WARM WATER POOL BSG 20T |
| | | BUCKEL AND 6' TOW LINE REC# 12-291 | 11 | 1 1 | AQUA REVIVAL COMPLETE FILTER STSTEM WARM WATER POOL BSG 201 AQUA REVIVAL COMPLETE FILTER SYSTEM THERAPY POOL BSG 20T |
| 70 71 | 1 1 | 12' FIBERGLASS SAFETY POLE WITH BLUNT ENDS AND SHEPARD HOOK REC# 10-371 AND 12-239. FIRST AID KIT ARC APPROVED REC#12-048, BLOOD SPILLS KIT REC#12-041, WHISTLE REC#12-357 | | MPS, MOT | TORS AND ELECTRICAL |
| 72 73 | 2 | RESUSCITATION MASKS BLOOD BORNE PATHOGENS KIT WITH GOWN, FACE MASK, SHIELDS, BODY FLUID CLEAN UP REC#12-041 | 12 | 2 | COMPETITION POOL FILTER PUMP AND MOTOR TO BE AURORA 3801, 60HP, 2,556 GPM @ 70' HD, 3 PHASE, 480 VOLTAGE, 60 CYCLE, 1800 RPM, BALL BEARING, BRONZE FITTED, 316 STAINLESS IMPELLER, 316 SS SHAFT SLEEVE 316 SS SHAFT, INTERNAL SHAFT GROUNDING, DOUBLE VOLUTE FOR 4" DISCHARGE, GAUGE TAPS, 304 SS MOTOR |
| 74 | 2 | POOL SPLASH LIFT BATTERY POWERED WITH SPARE BATTERY AND CHARGER WITH FOOTREST, ARM REST, SPINE BOARD ATTACHMEN AND SEAT BELT. LIFE ANCHORS FOR OWNER'S LIFT, | | | RISER, NSF 50, SCOTCHCOATED 134, WITH PREMIUM EFFICIENCY MOTOR 90 PLUS, TEFC ENCLOSURE, EPDM, LOW STARTING CURRENT, INVENTOR RATED, WITH PUSH BUTTON STATION AND CONTROLS |
| 75 76 | 2 2 | PORTABLE PACE CLOCKS. CJ SPINEBOARD 76" X 20" WITH NYLON STRAPS, HEAD IMMOBILIZER, BODY STRAPS, HEAD STRAPS, ADHESIVE STRIPS AND STAPLES REC#12-325 | 13 | 1 | EXISTING COMPETITION POOL FILTER PUMP AND MOTOR TO BE AURORA 3801, 50HP, 1,700 GPM @ 75' HD, 3 PHASE 480 VOLTAGE, 60 CYCLE, 1770 RPM, BALL BEARING, BRONZE FITTED, 316 STAINLESS IMPELLER, 316 SS SHAFT |
| 77 | 4 | PROMINENT MEDIUM PRESSURE UV UNIT | | | SLEEVE, 316 SS SHAFT, INTERNAL SHAFT GROUNDING, DOUBLE VOLUTE FOR 4" DISCHARGE, GAUGE TAPS, 304 SS MOTOR RISER, NSF 50, SCOTCHCOATED 134, WITH PREMIUM EFFICIENCY MOTOR 90 PLUS, TEFC ENCLOSURE, |
| 78 79 | 2 4 | HAWS EYEWASH SHOWER MODEL 8336 EPOXY COATED, CORROSION RESISTANT STAINLESS STEEL DOUBLE WALL HEAT EXCHANGERS | | | EPDM, LOW STARTING CURRENT, INVENTOR RATED, WITH PUSH BUTTON STATION AND CONTROLS. |
| 80 | 3 | DURAFIRM ONE METER DIVE STANDS WITH 16'-0" MAXIFLEX B BOARDS | 14 | 6 | THERAPY POOL / DIVING POOL / WARM WATER POOL FILTER PUMP AND MOTOR TO BE AURORA 3801, 15HP, 400 |
| 81 82 | 3 | DURAFIRM ONE METER DIVE STANDS WITH DIVE SPRAYS CUSTOM FRP DESK IN FILTER ROOM WITH SHELF AND CUSTOM STORAGE SHELVING | 14 | O | GPM @ 70' HD, 3 PHASE, 480 VOLTAGE, 60 CYCLE, 1800 RPM, BALL BEARING, BRONZE FITTED, 316 STAINLESS |
| | ~~~ ⁵ ~~ | CO2-SYSTEM COSTON STORAGE SHEEVING | | | IMPELLER, 316 SS SHAFT SLEEVE, 316 SS SHAFT, INTERNAL SHAFT GROUNDING, DOUBLE VOLUTE FOR 4" DISCHARGE, GAUGE TAPS, 304 SS MOTOR RISER, NSF 50, SCOTCHCOATED 134, WITH PREMIUM EFFICIENCY |
| 84 | QTY | CUSTOM PUMP PIT STAIRS. CUSTOM DOUBLE RAIL AROUND PUMP PIT WITH CHAIN RAILS BY DIV. 05. | | | MOTOR 90 PLUS, TEFC ENCLOSURE, EPDM, LOW STARTING CURRENT, INVENTOR RATED, WITH PUSH BUTTON STATION AND CONTROLS |
| 86 | 2 | HOSE BIB, SEE MECHANICAL DWGS, BY OTHER THAN AQUATIC CONTRACTOR | 45 | 4 | |
| 8 7~ | 16 | LED UNDERWATER POOL LIGHT NICHE FURNISHED BY POOL CONTRACTOR WITH 3' OF 1" DIA. OF SCH 80 PVC AND #8 BOND WIRE. LED LIGHTS FURNISHED BY POOL CONTRACTOR | 15 | 1 | WARM WATER POOL JET PUMP WITH STRAINER, BASKET AND SPARE BASKET EQK 500 WITH TEFC JMZ FRAME 5HF SELF PRIMING 240 GPM @63'HD 3500 RPM SELF PRIMMING, 3PHASE, 480 VOLTAGE, 60 CYCLE, WITH BALL BEARING ALL BRONZE, TEFC ENCLOSURE, EPDM, LOW STARTING CURRENT, INVENTOR RATED, WITH PUSH BUTTON |
| | | LED LIGHTS INSTALLED BY DIV. 26. | 16 | 1 | STATION AND CONTROLS THERAPY POOL JET PUMP WITH STRAINER, BASKET AND SPARE BASKET EQK 500 WITH TEFC JMZ FRAME 5HP. |
| 88 | 4 | UNDERWATER SPEAKERS AND SPEAKERS NICHE BY DIV. 26. POOL CONTRACTOR SHALL INSTALL SPEAKER NICHE WITH 3' OF 1" DIA. OF SCH 80 PVC AND #8 BOND WIRE. SPEAKERS SHALL BE INSTALLED BY DIV. 26. | | ľ | SELF PRIMING 200 GPM @63'HD 3500 RPM SELF PRIMMING, 3PHASE, 480 VOLTAGE, 60 CYCLE, WITH BALL BEARING ALL BRONZE, TEFC ENCLOSURE, EPDM, LOW STARTING CURRENT, INVENTOR RATED, WITH PUSH BUTTON STATION AND CONTROLS |
| مب | | | 17 | 1 | WARMING POOL JETS AIR BLOWER ROTON DR404AL72M, 1HP WITH SILENCER |
| ×89 90 | QTY 1 | ADA TRANSFER BARS FURNISH AND INSTALL TM SERIES SUBMERSIBLE PUMP. MODEL NO. TM17500TM HI VOLUME SUBMERSIBLE PUMP WITH CUSTOM 50' PIGTAIL WITH TWIST LOCK CONNECTION PROVIDED BY DIVISION 26 CONTRACTOR INTO ROOM | 18 | 18 | LIQUID FILLED GAUGES AROUND ALL PUMPS 2 ½" STAINLESS STEEL TRERICE SERIES 700 -15 0 15 VACUUM GAUGES AND 0 TO 60 PRESSURE GAUGES WITH STAINLESS STEEL BOURBON TUBES 316 ALL GAUGES WITH ST.ST SNUBBERS TUBE, NEEDLE VALVES AND SOCKET. |
| | | G020, 2HP, (4) 50' SECTION OF WHITE 3" DOUBLE JACKET FIRE HOSE OUTLETS, DOUBLE SEAL, OIL FREE DESIGN, 17500 GPH. 208 VOLT SINGLE PHASE MOTOR AND MOTOR. PROVIDE 200' OF 3" HOSE WITH 3" HOSE ADAPTER. | 19 | 9 | FLANGED FLEXIBLE ECCENTRIC DISCHARGE CONNECTIONS |
| | | 17300 GFH, 206 VOLT SINGLE PHASE MOTOR AND MOTOR. PROVIDE 200 OF 3 HOSE WITH 3 HOSE ADAPTER. | 20 | 4 | 24' X 24" ANTI VORTEX PLATE IN BALANCE TANK |
| 91 | 1 | FURNISH (1) STAINLESS STEEL PORTABLE HONDA 1HP TRASH PUMP TO REMOVE WATER FROM THE UNDERDRAIN | 21 | 3 | CUSTOM ELECTRIC PANELS WITH ALL CONTROLS – THESE ARE SEPARATE FROM FILTER CONTROL PANELS WITH (2) IN THE NEW FILTER ROOM AND (1) IN THE EXISTING FILTER ROOM |
| ••• | | WITH 20' OF PIGTAIL AND 20' OF CHAIN WITH 30' OF 1 ½" FIREHOSE AND 1 ½" PUMP ADAPTER. | 22 23 | 10 9 | FLUIDTROL FRP/PVC CONCENTRIC AND ECCENTRIC REDUCERS CHAMPION DOUBLE DOOR EPOXY COATED DUCTILE IRON CHECK VALVES WITH ST. ST. SPRINGS, PLAIN FACE, EPDM SEAT, SERIES 125 |
| | | | 24 | 4 | FLUIDTROL OR NEPTUNE PVC DIVERSION VALVES, SCH. 80 PVC WITH VANSTONE FLANGES, INTERNAL WAFER T304L, 1" DIA. FLOAT ARM, FASTENED TO SHAFT WITH T 316SS NUTS AND WASHER, (2) 1/2" DIA. ARMS ALL THREADED ROD T316 SS, (2) T304L ST. ST. FLOATS 7" |
| | | | 25 | 7 | FLUIDTROL SW SERIES STRAINERS WITH 1/8" OPENNINGS, ST. ST. BASKETS AND SPARE BASKETS FOR EACH. |
| | | | 26 | QTY | GEORGE FISHER TYPE 563 VALVES. VALVES IN BALANCE TANK TO HAVE ST ST VALVE EXTENSIONS, ST ST SLEEVES, VALVES OVER 5' TO HAVE CHAIN OPERATORS, VALVES OVER 3" TO HAVE GEAR OPERATORS. VALVES SMALLER THAN 3" SHALL BE BALL VALVES. |
| | | | 27~~ | | PYCTRUE UNION BALL YALVES SMALLER THAN 3" |
| | | | \triangle 28 29 29 | ~~ | ALUMINIUM DOORS TO BE BILCO (3) 3' X 3' AND (1) 18" X 18 WITH TILE INLAY FOR INSPECTION SUMP NSD MINI-CHANNEL DECK DRAIN WITH 100% SILICONE SEALANT AT THE EDGES OF TRENCH DRAIN |
| | | | SUPPORT S | | SCRIPTIONS |
| | | | 30 | 2 | DROP IN PUMP FOR NEW INSPECTION SUMP AND FOR EXISTING PUMP PIT 110V/1/2HP 1PH MARLOW 1.5 HP, 60-75 GPM DECK DRAIN/ OVERFLOW SUMP PUMPS 480V/3 PHASE WITH FLOATS AND NEMA 4X CONTROL PANEL |
| | | | 32 | 5 | FLOW METERS SIGNET 2551 MAGMETER WITH 8550 FLOW INSTRUMENT WIRED INTO CONTROLLERS FOR FILTER VFD CONTROL. |
| | | | 33 | 3 | AUTOMATIC WATER LEVEL CONTROLLER CLA VAL NO 124-01 1" WITH ST ST BODY, ST ST FLOATS AND ST ST RODS STILLING CHAMBER, X46 STRAINER, CK2 COCK, SPEED CONTROL, Y STRAINER. AND 3" FRESH WATER MANUAL FIL AND TRAINING POOL FROM COMPETITION POOL. |
| | | | 34 35 | 2 | DIRECT SENSING AUTO FILL LIQUID LEVEL 6200 SERIES WITH STATIC LINES 3" FRESH WATER FILL AND 1 1/2" FILLS AND 1" WATTS #900 FOR WARM POOL FILL AND CONNECTION FROM DIVING POOL TO FILL WARM WATER POOL |
| | | | 36 37 | 9 | DALDORADO 18" X 36" X 24" UNLOCKABLE DRAIN BOXES WITH RELIEF VALVES IN EACH BOX. CONNECTIONS WITH 4" PVC TJERLUND FANS 115V |
| | | | 38 | 4 | PROMINENT CHEMICAL CONTROLLERS DCM 512 WITH FLOW SWITCH, VFD CONTROL, REAL TIME CORROSION AND CALCIFICATION AND ALARM. PLUS UPGRATE TO EXISTING CONTROLLER |
| | | | 39 | √ 5 | ACCUTAB MODEL 3150AT FOR COMPETITION POOLS AND MODEL 3070AT FOR THERAPY POOL, WARM WATER POO |
| | | | 40 | <u></u> | AND DIVING POOL. ACID RÎTÊ 2500 FÊEDER FOR COMPETITION POOLS AND ACID RITE 450 FOR THERAPY, WARM WATER AND DIVING POOLS |
| | | | 41 | 1 | ULTRA SPILL PALETS PART NO. 1113, 53 X 53 X 11 1/4" VERIFY ON SITE |
| | | | 42 43 | QTY QTY | PROTECTIVE GOGGLES, PVC GLOVES AND MASK. SIGNS FOR ACID. CHLORINE, ENZYME AND INSTRUCTIONS |
| | | | 43 | 15 | THERMOMETERS TRERICE ST ST ADJUSTABLE WITH WELLS |
| | | | 45 | 1 | TEST KIT TAYLOR SERIES K-1741C ADDITIONAL SET FOR TESTING TO 50 PPM |
| | | | 46 47 | 1 16 | PORTABLE VACUUM PUMP SYSTEM AND (2) DOLPHIN AUTOMATIC CLEANERS FIBERGLASS HOOKS |
| | | | 48 | QTY | STAINLESS STEEL HANDRAILS AND CUSTOM RAILS FOR RAMP WITH HANDICAP RETURNS – POWDER COATED |
| | | | 49 | 11 | SETS OF GRAB RAILS 316 L STAINLESS STEEL 1.50.D., ,145 WALL WITH ST ST ESCUTEONS AND ANCHORS – POWDER COATED 8" PENTAID 8" IL BEND 2 POST STANCHION POSTS 1 90 Y 14S T316L ST. ST. POWDER COATED PART NO \$1229683 |
| | | | 50 | 12 | 8" PENTAIR 8' U BEND 2 POST STANCHION POSTS 1.90 X 14S T316L ST. ST. POWDER COATED PART NO S1229683 WITH 6" DEEP ST. ST. ANCHORS AND DROP IN COVERS. |

CARMEL HIGH SCHOOL POOL EQUIPMENT

INSTRUCTIONS FOR OPERATING DRAINING POOLS / SPA

HOUSEKEEPING PADS FOR FILTERS, PUMPS AND HEATERS.

ANY CONDUIT RUNS PENETRATING RETURN AIR TO BE CPVC

REPLACE ALL EXISTING VALVES AND EQUIPMENT ON EXISTING POOL

ISOMETRIC AND DETAILED INSTRUCTIONS

VALVE AND EQUIPMENT TAGS

STARTUP AND FILL INSTRUCTIONS

DIRECTIONAL ARROWS ON ALL PIPING COVER ALL SUMPS WITH FRP GRATING

WATERPROOF ALL SURGE TANKS

EQUIPMENT SCHEDULE

PIPING MODIFICATIONS IN EXISTING SURGE TANK

THIN SET POOL DECK AND THICK SET POOL BASIN

ITEM QUANTITY EQUIPMENT DESCRIPTION

WARNING SIGNS

PUMP CURVES

THIS IS A GENERALIZED LIST OF EQUIPMENT. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

ALL PIPING TO BE RIGID PVC SCHEDULE 80 NSF APPROVED FOR PORTABLE RIGID WITH MOLDED FITTINGS.

| DLCO | DOOLS DATA FOLLIDMENT LIST & CLIEFT INDEV |
|--------|--|
| PL0.0 | POOLS DATA, EQUIPMENT LIST & SHEET INDEX |
| PL1.0 | SWIMMING POOLS COMPOSITE PLAN |
| PL1.1 | SWIMMING POOLS COMPOSITE PIPING PLANS |
| PL2.0 | COMPETITION POOL PLAN & SECTIONS |
| PL3.0 | DIVING POOL PLAN & SECTIONS |
| PL4.0 | THERAPY / WARMING POOLS PLAN & SECTIONS |
| PL5.0 | ENLARGED POOL MECHANICAL ROOM PLAN |
| PL6.0 | PIPING ISOMETRIC - COMPETITION POOL |
| PL6.1 | PIPING ISOMETRIC - DIVING POOL |
| PL6.2 | PIPING ISOMETRIC - THERAPY POOL |
| PL6.3 | PIPING ISOMETRIC - WARMING POOL |
| PL7.0 | COMPETITION POOL - TIMING SYSTEM LAYOUT & DETAIL |
| PL7.1 | TIMING SYSTEM DETAILS |
| PL7.2 | TIMING SYSTEM DETAILS |
| PL8.0 | BULKHEAD DETAILS |
| PL8.1 | BULKHEAD DETAILS |
| PL9.0 | DETAILS |
| PL10.0 | DETAILS |
| PL11.0 | DETAILS |
| PL12.0 | DETAILS |
| PL13.0 | DETAILS |
| PL14.0 | DETAILS |
| PL15.0 | DETAILS |
| PLE1.0 | EXISTING SWIMMING POOL PLAN |
| PLE2.0 | EXISTING SWIMMING POOL SECTIONS & DETAILS |
| PLE3.0 | EXISTING ENLARGED SWIMMING POOL MECHANIC ROOM |
| PLE4.0 | PIPING ISOMETRIC - EXISTING COMPETITION POC |

CARMEL HIGH SCHOOL **NATATORIUM ADDITION AND RENOVATIONS** 520 E MAIN STREET CARMEL, IN 46032

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CARMEL CLAY SCHOOLS

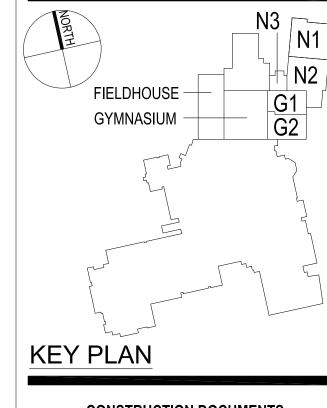


ARCHITECT



WWW.FHAI.COM 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204





CONSTRUCTION DOCUMENTS

PROJECT MANAGER: WJR DRAWN BY: WJR PROJECT NUMBER: 220014.00

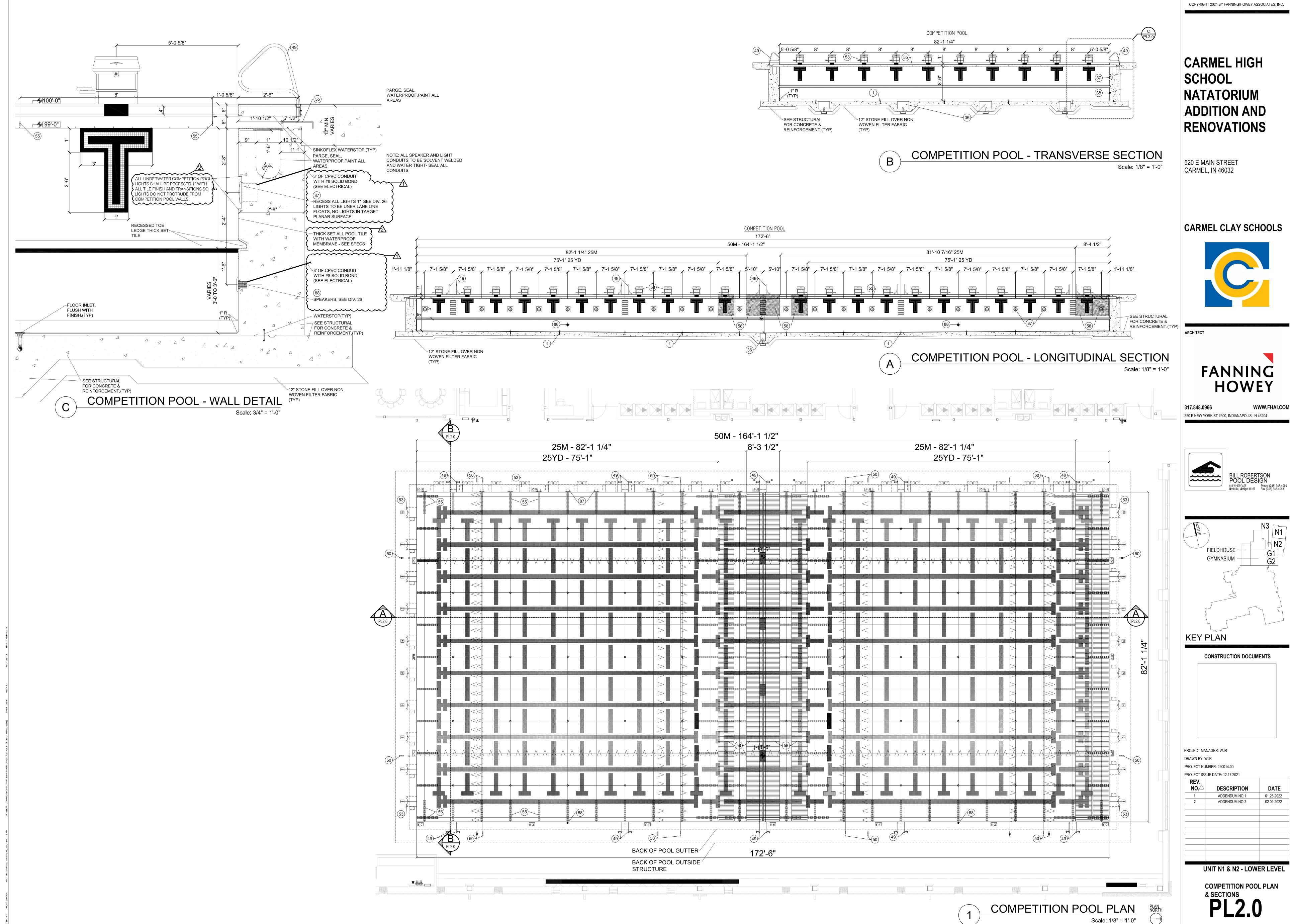
PROJECT ISSUE DATE: 12.17.2021

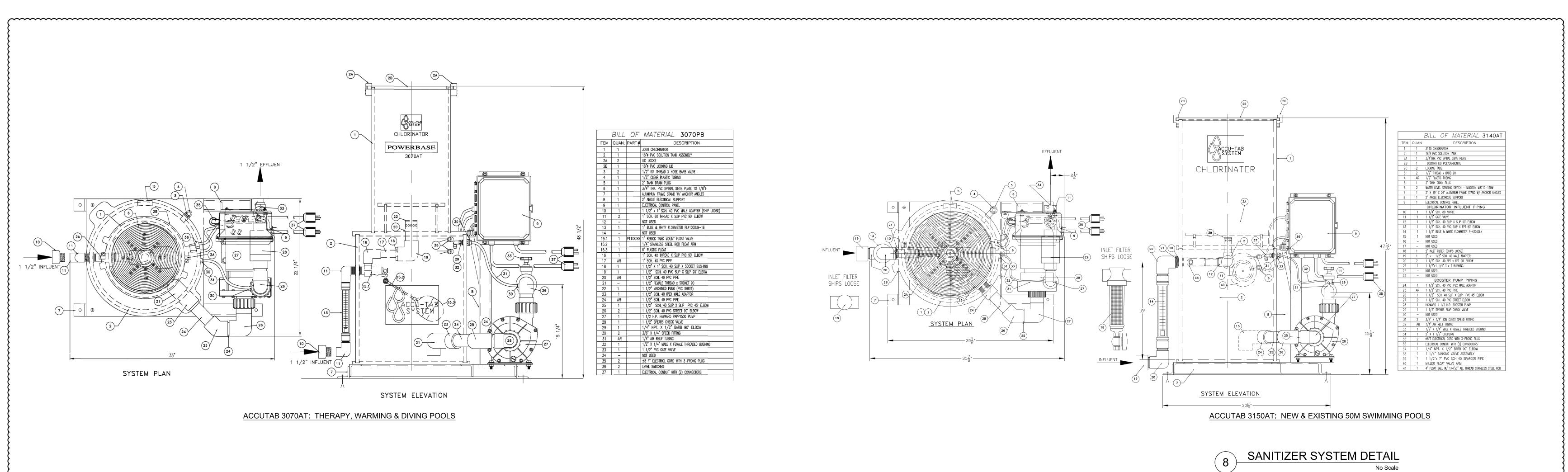
| REV. | DESCRIPTION | DATE |
|------|---------------|------------|
| 1 | ADDENDUM NO.1 | 01.25.2022 |
| 2 | ADDENDUM NO.2 | 02.01.2022 |
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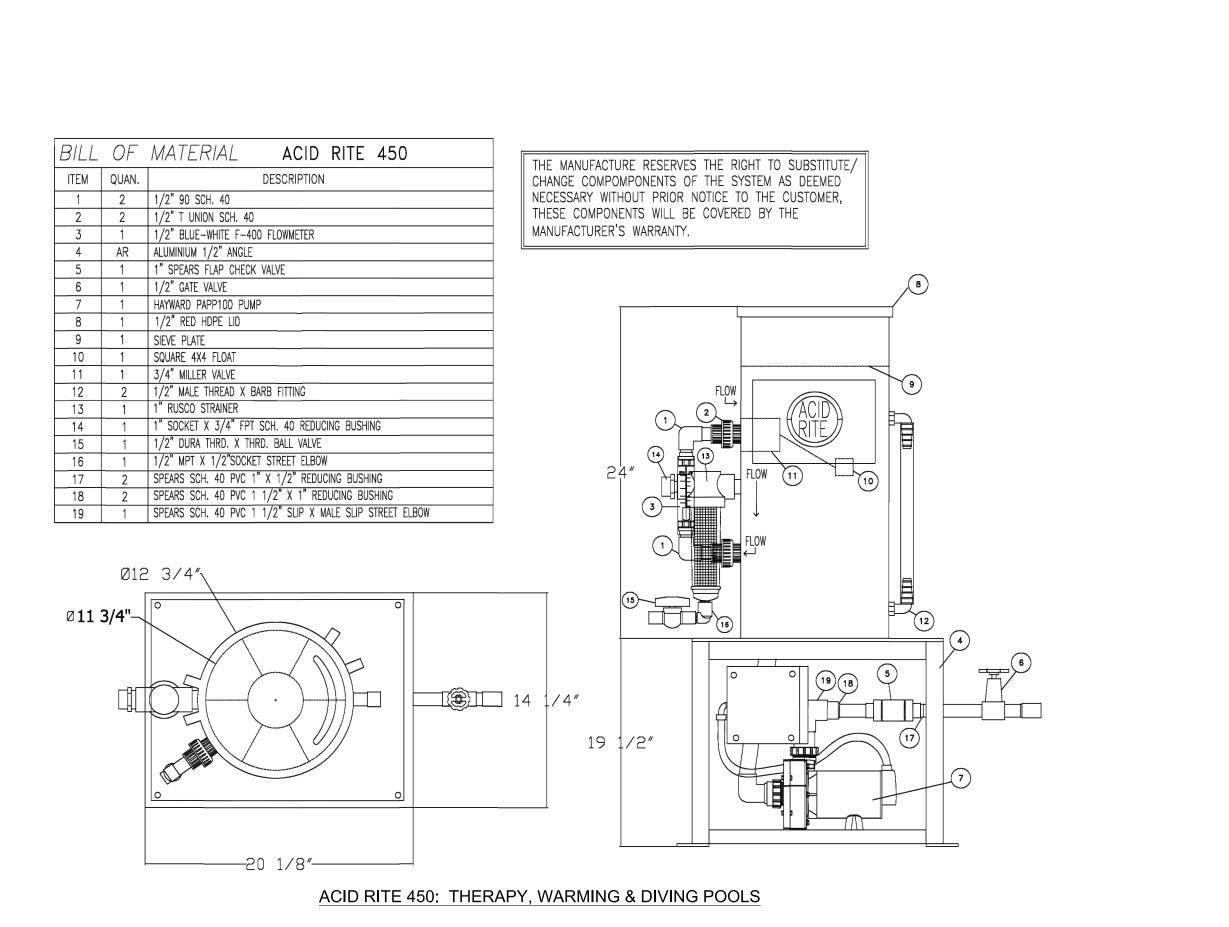
UNIT N1 & N2 - LOWER LEVEL

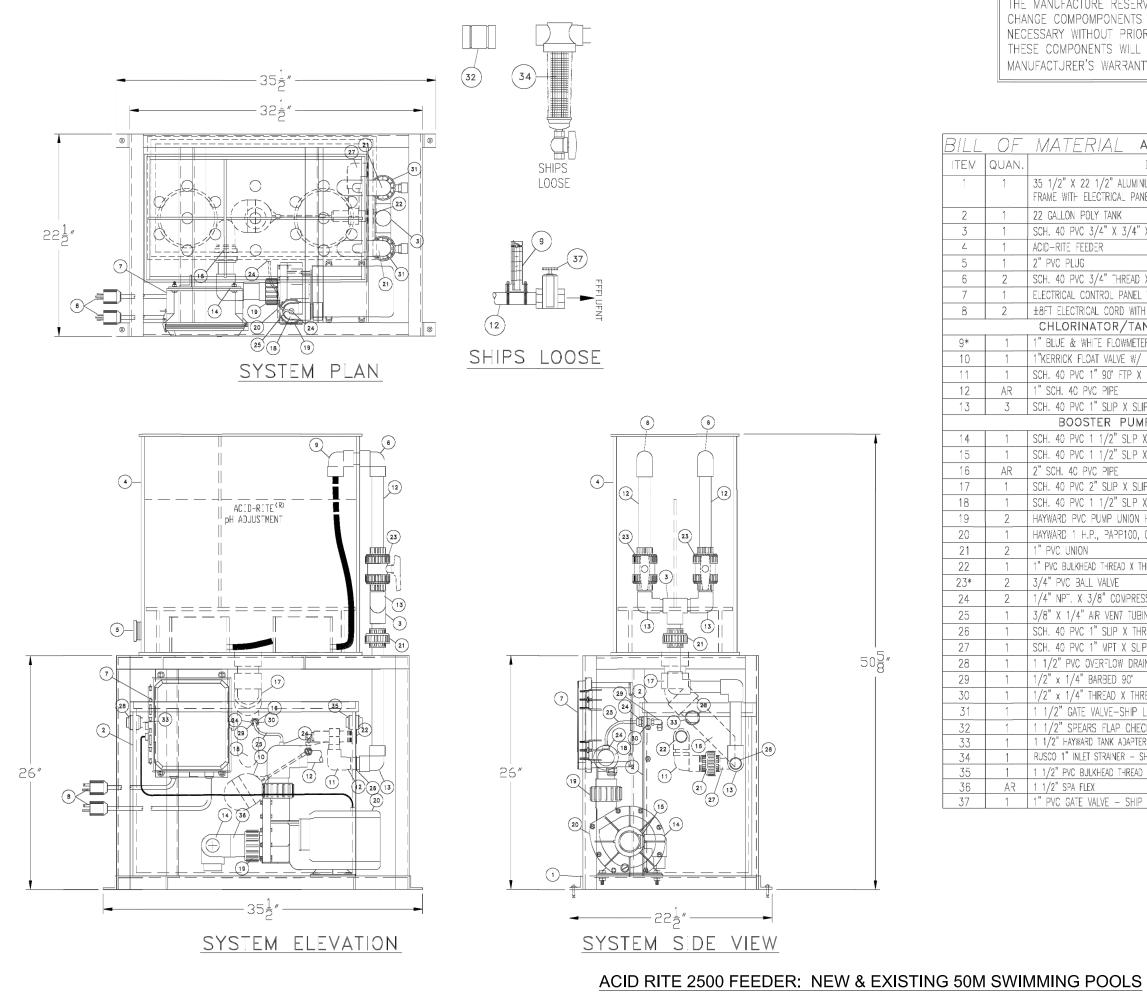
POOLS DATA, EQUIPMENT **LIST & SHEET INDEX**

| | | SLEEVES, VALVES OVER 5' TO HAVE CHAIN OPERATORS, VALVES OVER 3" TO HAVE GEAR OPERATORS. VALVES SMALLER THAN 3" SHALL BE BALL VALVES. | SWIMMING POOLS | DATA SCHEDULE | | | | |
|----------|--|---|---|--------------------------------------|---|---|--|---|
| ~27~~ | ~QIY~ | PYCTRUE LINION BALL VALVES SMALLER THAN 3" | | | | | | EVICTING |
| 28 | 4 | ALUMINIUM DOORS TO BE BILCO (3) 3' X 3' AND (1) 18" X 18 WITH TILE INLAY FOR INSPECTION SUMP INSD MINITERIANNEL DECK DRAIN WITH 100% SILICONE SEALANT AT THE EDGES OF TRENCH DRAIN | ITEM | COMPETITION POOL | DIVING POOL | THERAPY POOL | WARMING POOL | EXISTING COMPETITION POOL |
| JPPORT S | SYSTEMS DE | SCRIPTIONS | | | | | | |
| 30 | 2 | DROP IN PUMP FOR NEW INSPECTION SUMP AND FOR EXISTING PUMP PIT 110V/1/2HP 1PH | WATER VOLUME | 920,000 GALLONS | 144,000 GALLONS | 24,150 GALLONS | 6,746 GALLONS | 612,000 GALLONS |
| 31 | 2 | MARLOW 1.5 HP, 60-75 GPM DECK DRAIN/ OVERFLOW SUMP PUMPS 480V/3 PHASE WITH FLOATS AND NEMA 4X CONTROL PANEL | WATER SURFACE AREA | 14,163 SF | 1,490 SF | 1.034 SF | 325 SF | 12,940 S.F. |
| 32 | 5 | FLOW METERS SIGNET 2551 MAGMETER WITH 8550 FLOW INSTRUMENT WIRED INTO CONTROLLERS FOR FILTER VFD CONTROL. | PERIMETER GUTTER | 510 LF (INSIDE GUTTER) | 172 LF (INSIDE GUTTER) | 139 LF (INSIDE GUTTER) | 86 LF (INSIDE WALL) | 495'-0" |
| 33 | 3 | AUTOMATIC WATER LEVEL CONTROLLER CLA VAL NO 124-01 1" WITH ST ST BODY, ST ST FLOATS AND ST ST RODS, STILLING CHAMBER, X46 STRAINER, CK2 COCK, SPEED CONTROL, Y STRAINER. AND 3" FRESH WATER MANUAL FILL AND TRAINING POOL FROM COMPETITION POOL. | TURNOVER: MIN. TURNOVER: ACTUAL | 6 HOURS (360 MINUTES) 6.0 HRS | 12 HOURS (720 MINUTES) 6.0 HRS | 6 HOURS (360 MINUTES) 1.03 HOUS (62 MINUTES) | .5 HOURS (30 MINUTES) .28 HOUS (17 MINUTES) | 6 HOURS (360 MINUTES) 6.0 HRS |
| 34 | 2 | DIRECT SENSING AUTO FILL LIQUID LEVEL 6200 SERIES WITH STATIC LINES | | | | , | | |
| 35 | 2 | 3" FRESH WATER FILL AND 1 1/2" FILLS AND 1" WATTS #900 FOR WARM POOL FILL AND CONNECTION FROM DIVING POOL TO FILL WARM WATER POOL | TURNOVER FLOW RATE | 2556 GPM | 400 GPM | 400 GPM | 400 GPM | 1,700 GPM |
| 36 37 | 9 | DALDORADO 18" X 36" X 24" UNLOCKABLE DRAIN BOXES WITH RELIEF VALVES IN EACH BOX. CONNECTIONS WITH 4" PVC TJERLUND FANS 115V | RETURN INLETS | (60) FLOOR INLETS: ADJ. 2" DIA. | (9) FLOOR INLETS: ADJ. 2" DIA. (2) WALL INLETS (STEPS) | (9) FLOOR INLETS: ADJ. 2" DIA. (1) WALL INLET (STEP) | (10) WALL INLETS: | GUTTER: (198) 3/8" |
| 38 | 3 4 ~~~~~ | PROMINENT CHEMICAL CONTROLLERS DCM 512 WITH FLOW SWITCH, VFD CONTROL, REAL TIME CORROSION AND CALCIFICATION AND ALARM. PLUS UPGRATE TO EXISTING CONTROLLER ACCUTAB MODEL 3150AT FOR COMPETITION POOLS AND MODEL 3070AT FOR THERAPY POOL, WARM WATER POOL | MAIN DRAINS: 18x36"x24" VGB W/ BODIED SUMP DRAINS W/ FLAT COVER 54% | (4 M.D.) V = 0.54 FT/SEC | (2 M.D.) V = 0.54 FT/SEC | (2 M.D.) V = 0.54 FT/SEC | (2 M.D.) V = 0.54 FT/SEC | (4 M.D.) V = 0.54 FT/SEC |
| 40 | <u></u> | AND DIVING POOL. ACID RITE 2500 FEEDER FOR COMPETITION POOLS AND ACID RITE 450 FOR THERAPY, WARM WATER AND DIVING POOLS | OPEN AREA = 2800 GPM FL. | | | | | |
| 41 | 1 | ULTRA SPILL PALETS PART NO. 1113, 53 X 53 X 11 1/4" VERIFY ON SITE | WATER SUPPLY | PUBLIC 3" | PUBLIC 1 1/2" | PUBLIC 1 1/2" | PUBLIC 1 1/2" | PUBLIC 4" |
| 42 | QTY | PROTECTIVE GOGGLES, PVC GLOVES AND MASK. | | | | | | |
| 43 | QTY | SIGNS FOR ACID, CHLORINE, ENZYME AND INSTRUCTIONS | SURGE CAPACITY | | | | | 13,500 GAL |
| 44 | 15 | THERMOMETERS TRERICE ST ST ADJUSTABLE WITH WELLS | REQUIRED (EFFECTIVE) | 14,163 GAL. | 1,490 GAL. | 1,034 GAL | NA | EXISTING |
| 45 | 1 | TEST KIT TAYLOR SERIES K-1741C ADDITIONAL SET FOR TESTING TO 50 PPM | SURGE TANK | 9,760 GAL. TANK | 5,019 GAL. TANK | 5,030 GAL TANK | NA | EXISTING |
| 46 | <u>·</u> 1 | PORTABLE VACUUM PUMP SYSTEM AND (2) DOLPHIN AUTOMATIC CLEANERS | GUTTER | 7,210 GAL GUTTER | 860 GAL GUTTER | 692 GAL. GUTTER | | |
| 47 | 16 | FIBERGLASS HOOKS | TOTAL EFFECTIVE | 16,970 GAL | 5,879 GAL | 5,722 GAL. | NA | EXISTING |
| 48 | QTY | STAINLESS STEEL HANDRAILS AND CUSTOM RAILS FOR RAMP WITH HANDICAP RETURNS – POWDER COATED | FILTER TYPE | REGENERATIVE MEDIA FILTER | REGENERATIVE MEDIA FILTER | REGENERATIVE MEDIA FILTER | REGENERATIVE MEDIA FILTER | REGENERATIVE MEDIA FILTER |
| 49 | 11 | SETS OF GRAB RAILS 316 L STAINLESS STEEL 1.5O.D., ,145 WALL WITH ST ST ESCUTEONS AND ANCHORS – POWDER COATED | FILTER AREA | BSG50T = 1,488 SF | BSG20T = 200 SF | BSG20T = 200 SF | BSG20T = 200 SF | BSG40T = 940 SF |
| 50 | 12 | 8" PENTAIR 8' U BEND 2 POST STANCHION POSTS 1.90 X 14S T316L ST. ST. POWDER COATED PART NO S1229683 WITH 6" DEEP ST. ST. ANCHORS AND DROP IN COVERS. | FILTRATION RATE | 2,556 GPM / 1,488 S.F. = 1.7 GPM / S | SF 400 GPM/ 200 SF = 2.0 GPM / SF | 400 GPM/ 200 SF = 2.0 GPM / SF | 400 GPM/ 200 SF = 2.0 GPM / SF | 1,700 GPM/ 940 SF = 1.8 GPM / |
| 51 | 24 | POWDER COATED 316L ST.ST. GRAB RAILS AND CUSTOM HANDRAILS WITH CUSTOM RAMP RAILS. ANCHORS SHALL BE BRONZE WITH ST. ST. ESCUTCHEONS. | | | | | | |
| 52 | QTY | DURA TEECH HDPE PARALEL POLY GRATING WITH ANGLES. | FILTER PIPING - MAIN DRAIN | MAIN DRAIN: 16" | MAIN DRAIN:6" | MAIN DRAIN: 8" | MAIN DRAIN: 8" | MAIN DRAIN, 40" |
| 53 | 48 | STARTING PLATFORMS SR SMITH 24" X 32" LONG REACH - NEW 50M COMPETITION POOL (32 REQ'D.) & STANDARD | - MAIN DRAIN - GUTTER DRAIN | GUTTER DROP OUT: 16" | GUTTER DROP OUT: 6" | GUTTER DROP OUT: 8" | SKIMMERS: 6" | MAIN DRAIN: 12" GUTTER DROP OUT:(2) 8" |
| | | REACH - EXISTING 50M COMPETITION POOL (16 REQ'D.) WITH WEDGE, SIDE STEP, ST. ST. ANCHORS, BACKSTROKE, GRAB RAILS, FOOT, CHOCKS AND ALL NEW ANCHORS | - RETURN | 10" FILTER RETURN | 6" FILTER RETURN | 6" FILTER RETURN | 6" FILTER RETURN | 10" FILTER RETURN |
| 4 | 10 | REPLACE EXISTING ANCHORS IN EXISTING POOL AND CUSTOM MAKE ANCHORS FOR EXISTING BUKLKHEADS | JETS MAIN DRAIN | NA | NA | IET DUMP CUCTION: 0, 000 OPM | IET DUMD CUCTION: CIL 040 CEN | NIA |
| 55 | QTY | WAVE QUELLING RACING LANE FOR 50M, 25M, 25Y MARKER LINES INCLUDING COMPETITOR WITH HARDWARE WITH ANCHORS | - MAIN DRAIN | NA | IVA | JET PUMP SUCTION: 6 - 200 GPM | JET PUMP SUCTION: 6" - 240 GPM | |
| 56 | 16 | BACKSTROKE MARKER WITH STAINLESS STEEL ANCHORS. FLAGS WITH TEAM NAME. | - RETURN | NA | NA | JETS SUPPLY: 3" | JETS SUPPLY: 4" | NA |
| 57 | QTY | PLASTIC COATED STAINLESS STEEL CABLE ACROSS. BACKSTROKE PENNANT LINE 12" X 18" WITH ALTERNATING | - INLETS | NA | NA | JETS (10) | JETS (17) | NA |
| | QΠ | COLORS AND INDIVIDUAL NUMBERS AND LETTERS FOR TEAM NAME. REC #92-306 AND 92-307. INSTALL WITH ANTI SUPERTENSIONERS. | SANITATION SYSTEM | CALCIUM HYPOCHLORITE | CALCIUM HYPOCHLORITE | CALCIUM HYPOCHLORITE | CALCIUM HYPOCHLORITE | CALCIUM HYPOCHLORITE |
| 58 | ~~ 2 ~~ | 4' FIBERGLASS MOVABLE BULKHEADS WITH STAINLESS STEEL PIN RAILS AND PLATFORM ANCHORS 3' X 3' NYSTROM FGA SERIES LOCKABLE DOORS WITH ST. ST. HARDWARE FOR BALANCE TANKS AND 18" X 18" TO COVER DEWATERING MANHOLE WITH TILE INLAY. BS2 PES COPOLYMED PLINGS FOR BALANCE TANKS SET 12" CC | PH MODIFICATION | SODIUM BISULFATE CO2 | SODIUM BISULFATE CO2 | SODIUM BISULFATE CO2 | SODIUM BISULFATE CO2 | SODIUM BISULFATE CO2 |
| | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | PS2-PFS COPOLYMER RUNGS FOR BALANCE TANKS SET 12" CC PUMP PIT RAILS BY DIV. 05. | SECONDARY SANITATION - CHLORAMINE DESTRUCT | ULTRA VIOLET SYSTEM | ULTRA VIOLET SYSTEM | ULTRA VIOLET SYSTEM | NA | ULTRA-VIOLET SYSTEM |









| BILL | OF. | MATERIAL ACID-RITE 2500 FEET |
|------|-------|--|
| ITEM | QUAN. | DESCRIPTION |
| 1 | 1 | 35 1/2" X 22 1/2" ALUMINUM 1 1/2" X 1 1/2" X 1/4" ANGLI FRAME WITH ELECTRICAL PANEL & MOTOR BRACKETS & ANCHOR |
| 2 | 1 | 22 GALLON POLY TANK |
| 3 | 1 | SCH. 40 PVC 3/4" X 3/4" X 1" SLIP X SLIP X SLIP TEE |
| 4 | 1 | ACID-RITE FEEDER |
| 5 | 1 | 2" PVC PLUG |
| 6 | 2 | SCH. 40 PVC 3/4" THREAD X SLIP 90" ELBOW |
| 7 | 1 | ELECTRICAL CONTROL PANEL W/ 4 BOLTS, WASHERS & NUTS |
| 8 | 2 | ±8FT ELECTRICAL CORD WITH 3-PRONG P_UG |
| | | CHLORINATOR/TANK INFLUENT PIPING |
| 9* | 1 | 1" BLUE & WHITE FLOWMETER MODEL F-30100P, F-300, 5-32 |
| 10 | 1 | 1"KERRICK FLOAT VALVE W/ 6" ROUND BALL FLOAT & 5.5" FLOA |
| 11 | 1 | SCH. 40 PVC 1" 90' FTP X SLIP ELBOW |
| 12 | AR | 1" SCH. 40 PVC PIPE |
| 13 | 3 | SCH. 40 PVC 1" SLIP X SLIP 90" ELBOW |
| | | BOOSTER PUMP PIPING |
| 14 | 1 | SCH. 40 PVC 1 1/2" SLP X THREAD 90° ELBOW |
| 15 | 1 | SCH. 40 PVC 1 1/2" SLP X THREAD BULKHEAD |
| 16 | AR | 2" SCH. 40 PVC PIPE |
| 17 | 1 | SCH. 40 PVC 2" SLIP X SLIP 45' ELBOW |
| 18 | 1 | SCH. 40 PVC 1 1/2" SLP X MALE SLIP STREET ELBOW |
| 19 | 2 | HAYWARD PVC PUMP UNION HALF |
| 20 | 1 | HAYWARD 1 H.P., PAPP100, CHLORINE BOOSTER PUMP |
| 21 | 2 | 1" PVC UNION |
| 22 | 1 | 1" PVC BULKHEAD THREAD X THREAD FITTING |
| 23* | 2 | 3/4" PVC BALL VALVE |
| 24 | 2 | 1/4" NPT. X 3/8" COMPRESSION SPEED FITTING |
| 25 | 1 | 3/8" X 1/4" AIR VENT TUBING (±16" LG.) |
| 26 | 1 | SCH. 40 PVC 1" SLIP X THREAD BULKHEAD |
| 27 | 1 | SCH. 40 PVC 1" MPT X SLP 90" ELBOW |
| 28 | 1 | 1 1/2" PVC OVERFLOW DRAIN PLUG |
| 29 | 1 | 1/2" x 1/4" BARBED 90' |
| 30 | 1 | 1/2" x 1/4" THREAD X THREAD BUSHING |
| 31 | 1 | 1 1/2" GATE VALVE—SHIP LOOSE |
| 32 | 1 | 1 1/2" SPEARS FLAP CHECK VALVE—SHIP LOOSE |
| 33 | 1 | 1 1/2" HAYWARD TANK ADAPTER |
| 34 | 1 | RUSCO 1" INLET STRAINER - SHIP LOOSE |
| 35 | 1 | 1 1/2" PVC BULKHEAD THREAD X THREAD FITTING |
| 36 | AR | 1 1/2" SPA FLEX |
| 37 | 1 | 1" PVC GATE VALVE - SHIP LOOSE |

THE MANUFACTURE RESERVES THE RIGHT TO SUBSTITUTE/

CHANGE COMPOMPONENTS OF THE SYSTEM AS DEEMED

NECESSARY WITHOUT PRIOR NOTICE TO THE CUSTOMER, THESE COMPONENTS WILL BE COVERED BY THE

MANUFACTURER'S WARRANTY.

pH MODIFICATION SYSTEM DETAIL

CARMEL HIGH SCHOOL **NATATORIUM ADDITION AND** RENOVATIONS

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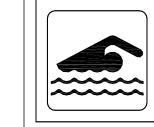
520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS

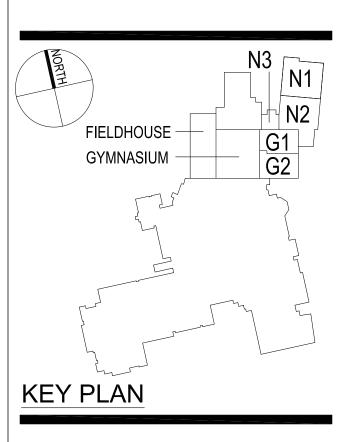




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BILL ROBERTSON
POOL DESIGN
913 WHITEGATE
Northville, Michigan 48167 Fax (248) 348-4968



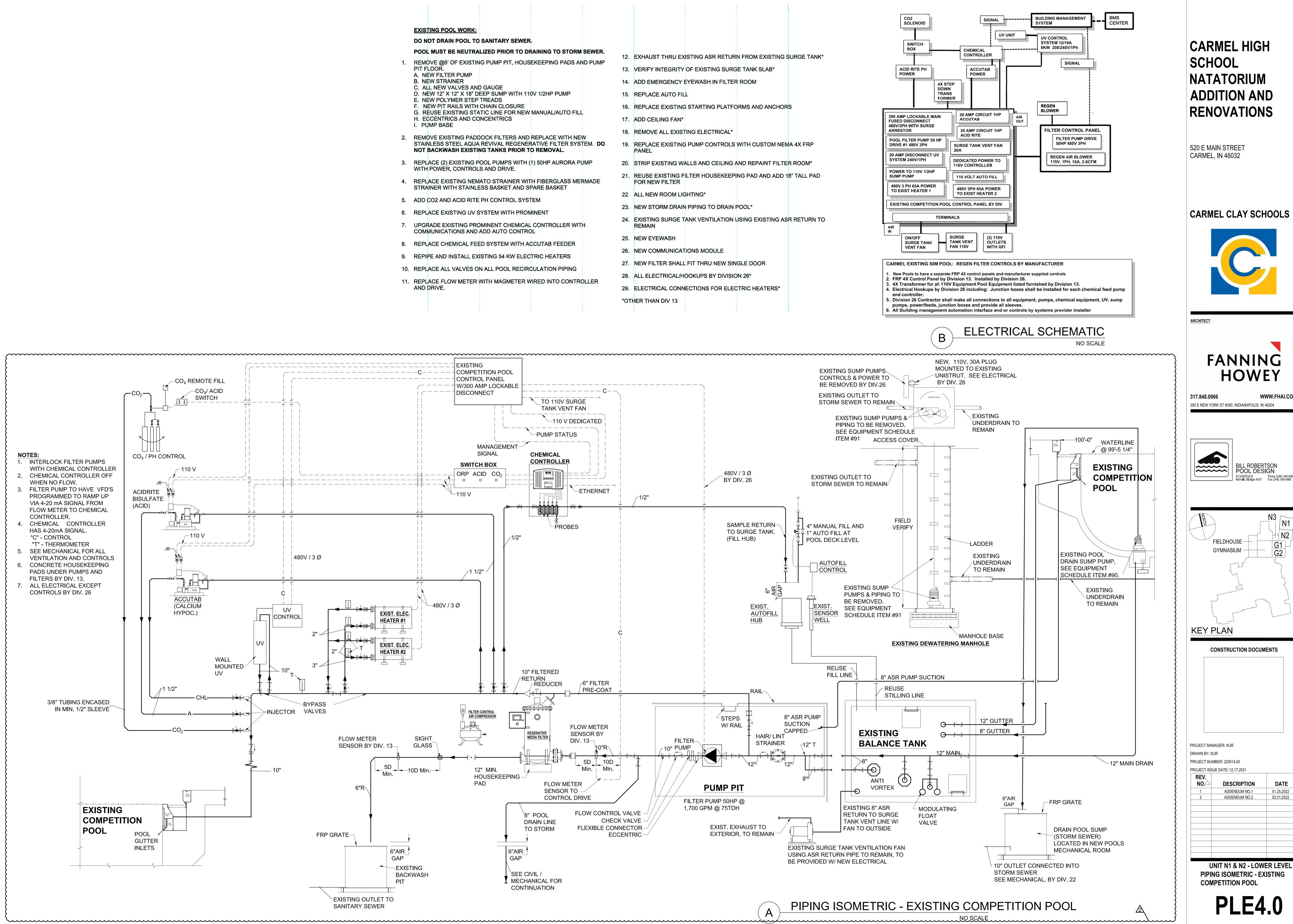
CONSTRUCTION DOCUMENTS

PROJECT MANAGER: WJR DRAWN BY: WJR

PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

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| 1 | ADDENDUM NO.1 | 01.25.2022 |
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CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND**

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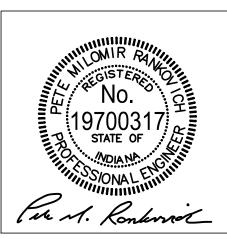


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CONSTRUCTION DOCUMENTS

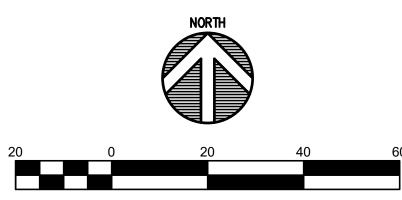


PROJECT MANAGER: PMR DRAWN BY: HHW

PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021 RFV.

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DEMOLITION PLAN - SOUTH



GENERAL NOTES

- 1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
- TOPOGRAPHIC CONDITIONS AND EXISTING UTILITIES SHOWN WERE PROVIDED BY THE SURVEYOR. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
- 3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE PROJECT AREA INCLUDING UNDERGROUND UTILITY CONDITIONS, LOCATION AND DEPTH PRIOR TO ANY OTHER CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.
- 4. NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.
- 5. UTILITY RELOCATIONS REQUIRED BY THE PROJECT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER. UTILITY LINE RELOCATIONS REQUIRED FOR ROAD PROJECTS THAT RESULT IN A CONFLICT WITH PROPOSED DEVELOPMENT SHALL BE THE DEVELOPERS RESPONSIBILITY TO RESOLVE WITH THE UTILITY. EXISTING POLE LINES REQUIRED TO BE RELOCATED TO WITHIN ONE FOOT OF PROPOSED RIGHT-OF-WAY LINE.
- DAMAGE TO THE EXISTING RIGHT-OF-WAY SHALL RESTORED/REPAIRED TO THE SATISFACTION OF THE CITY AT THE COMPLETION OF THE PROJECT. THE CONTRACTOR IS ENCOURAGED TO INSPECT THE RIGHT-OF-WAY WITH THE CITY PRIOR TO THE START OF CONSTRUCTION TO DOCUMENT THE EXISTING CONDITION OF THE RIGHT-OF-WAY.
- 7. REFER TO UTILITY DETAILS ON SHEETS SU2.1, SU2.2, SU2.3, SU2.4, SU2.5
- 8. REFER TO STORM STRUCTURE TABLE ON SHEET SU2.3
- ALL EXISTING MANHOLE AND CATCH BASIN CASTINGS, HYDRANTS, WATER OR GAS VALVES AND UTILITY PEDESTALS SHALL BE ADJUSTED AS REQUIRED TO MEET PROPOSED FINISH GRADE.
- 10. ALL STORM SEWERS ASSOCIATED WITH THIS PROJECT ARE PRIVATE AND SHALL REMAIN PRIVATE.

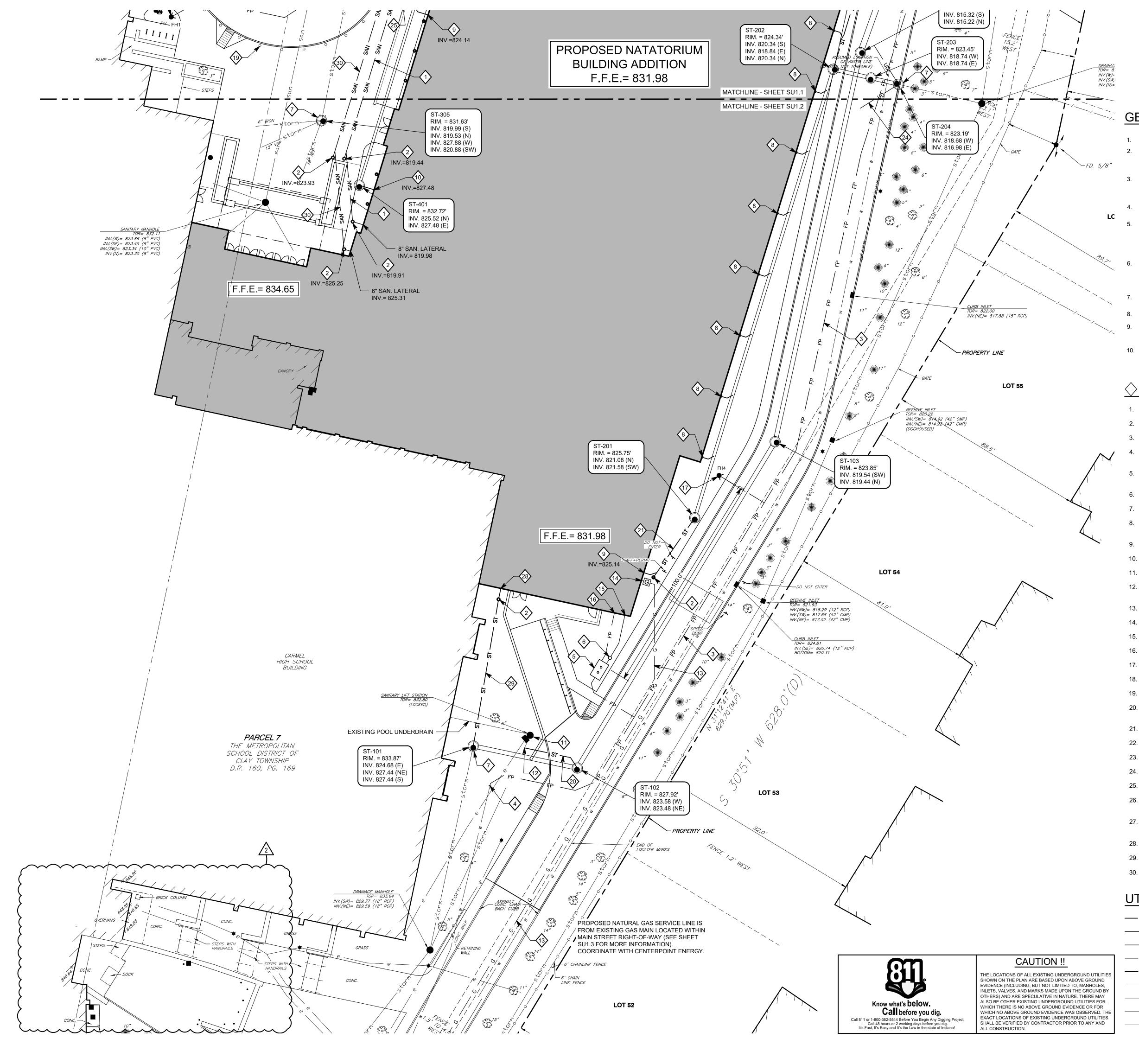
UTILITY KEYNOTES

- PROPOSED CLEANOUT
- 3. 10" FIRE PROTECTION LINE @ 5' MIN. DEPTH
- 4. CONNECT 10" FIRE PROTECTION LINE TO EXISTING WATER/FIRE PROTECTION LINE
- PRE-CAST CONC. VAULT WITH PIV, FDC, DOUBLE CHECK VALVE FOR FIRE PROTECTION AND WATER METER FOR DOMESTIC WATER SERVICE
- 6. PROPOSED WATER VALVE
- 7. CONNECT EXIST. STORM SEWER PIPE(S) TO NEW STORM STRUCTURE.
- 8. DOWNSPOUT BOOT AND 8" DIA. DIP @ 2.0% MIN. SLOPE. CONNECT TO STORM SEWER MAINLINE WITH WYE CONNECTION.
- 9. 6" PVC ROOF DRAIN (COORDINATE WITH M.E.P. PLANS)
- 10. 10" PVC ROOF DRAIN (COORDINATE WITH M.E.P. PLANS) 11. EXISTING LIFT STATION
- 12. EXISTING POOL UNDERDRAIN DISCHARGE LINE FROM LIFT STATION. CONNECT NEW LINE TO EXISTING LINE AT THIS LOCATION.
- 13. PROPOSED NATURAL GAS LINE
- 14. NATURAL GAS SERVICE AND METER (COORDINATE WITH M.E.P. PLANS)
- 15. 4" DOMESTIC WATER SERVICE (COORDINATE WITH M.E.P. PLANS)
- 16. 6" FIRE PROTECTION SERVICE (COORDINATE WITH M.E.P. PLANS)
- 17. PROPOSED 6" FIRE HYDRANT AND VALVE ASSEMBLY
- 18. PROPOSED LIGHT POLE
- 19. PROPOSED LIGHT BOLLARD
- 20. 25 LF. OF NEW DUCTILE IRON PIPE @ 2.0% SLOPE FROM EXISTING LIFT STATION. MATCH EXISTING PIPE SIZE.
- 21. 6" HDPE STORM LINE @ 1.0% MIN. SLOPE
- 22. UNDERGROUND DETENTION SYSTEM, SEE DETAILS ON SHEET SU2.4
- 23. 10" HDPE STORM LINE @ 1.0% MIN. SLOPE
- 24. PAVEMENT UNDERDRAIN
- 25. 6" PVC SANITARY LATERAL @ 2.0% MIN. SLOPE
- 26. CONNECT 6" BUILDING UNDERDRAIN TO NEW 6" HDPE @ INVERT 817.98, COORDINATE WITH M.E.P. PLANS.
- 27. CONNECT (CORE DRILL) 6" HDPE TO NEW MANHOLE STRUCTURE @ INVERT 817.60
- 28. 10" PVC POOL DRAIN-DOWN LINE, INVERT = 828.98
- 29. 68 LF. OF NEW 10" PVC (SCHEDULE 40) @ 1.50% SLOPE
- 30. 6" PVC SANITARY LATERAL @ 2.92% SLOPE

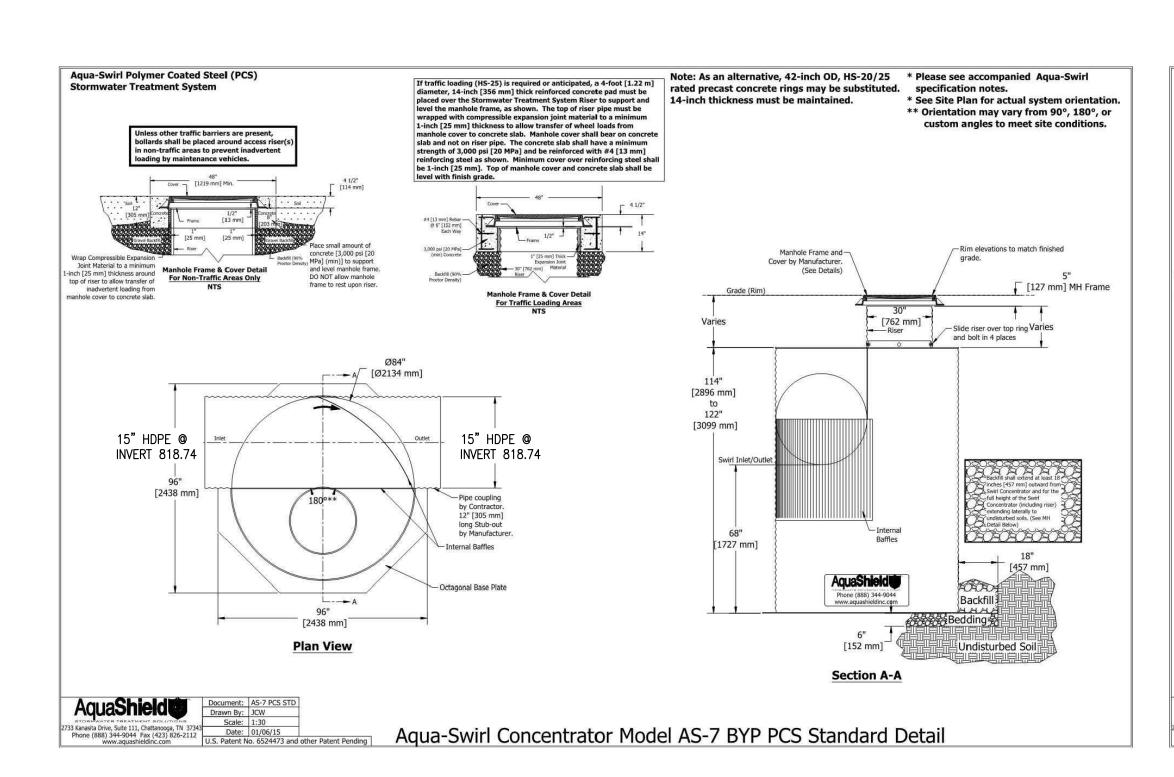
| UTILITY LEGEND | | | | |
|-----------------|---------------------------|--|--|--|
| — st — OR — | NEW STORM SEWER LINE | | | |
| ——— FP ——— | NEW FIRE PROTECTION LINE | | | |
| SAN | NEW SANITARY LATERAL LINE | | | |
| — G —— G — | NEW NATURAL GAS LINE | | | |
| —— UD ——— UD —— | NEW UNDERDRAIN | | | |
| storm | EXISTING STORM LINE | | | |
| w | EXISTING WATER LINE | | | |
| san | EXISTING SANITARY LINE | | | |
| ———— e ———— | EXISTING ELECTRICAL LINE | | | |

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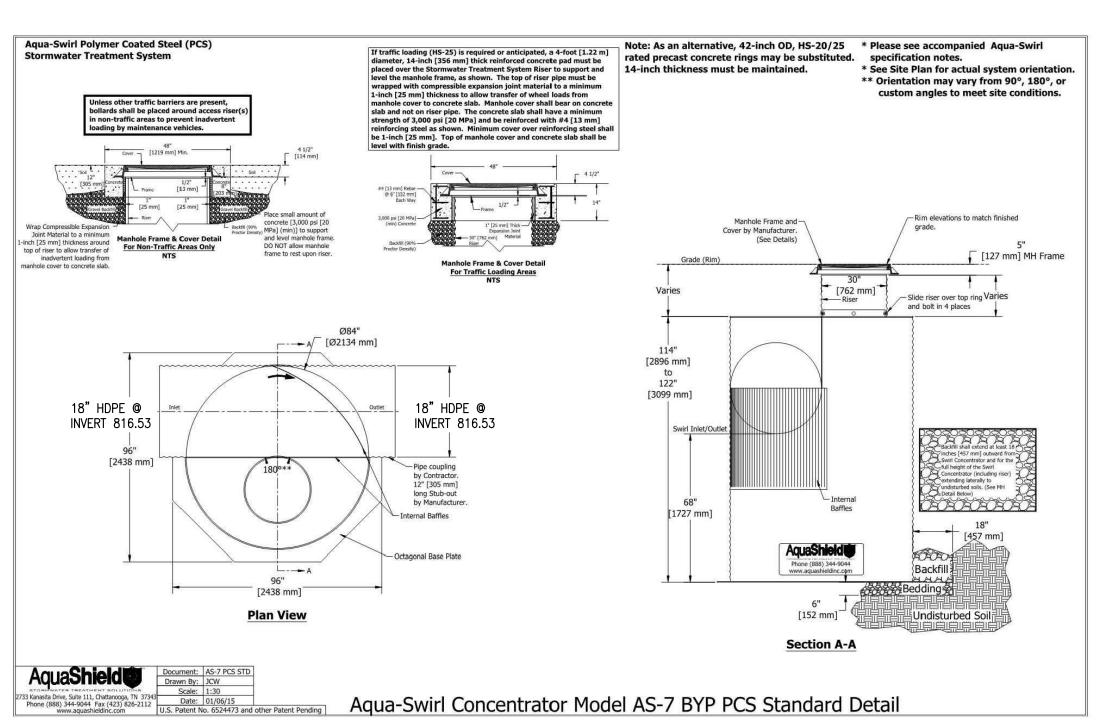
UTILITY PLAN - SOUTH



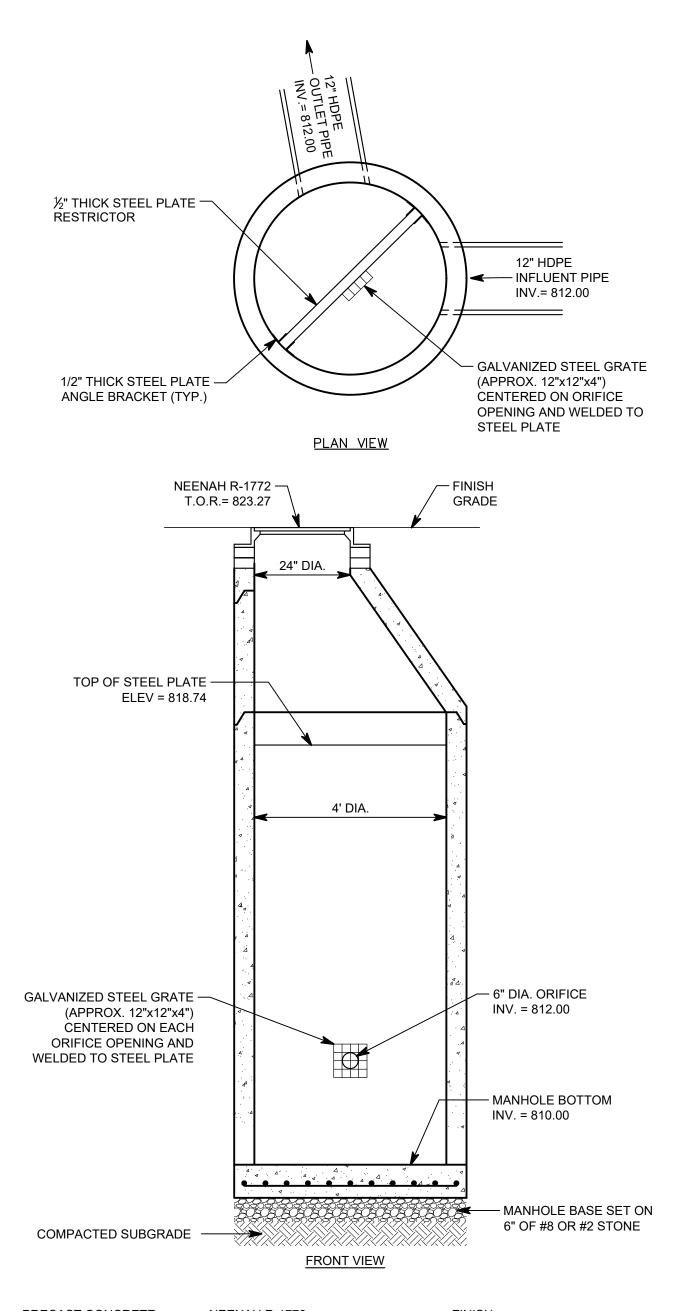
| STR. NO. | STRUCTURE | STRUCTURE DETAIL REFERENCE | CASTING TYPE | RIM | INCOMING PIPE DATA (DIRECTION) [FROM STR] | OUTGOING PIPE DATA (DIRECTION) [TO STR] | OUTGOING PIPE L.F. | OUTGOING PIPE SIZE | OUTGOING GRADE | CONNECT TO STR. | REMARKS |
|-------------|--------------------------|----------------------------------|------------------|--------|--|--|-----------------------|-----------------------|-------------------|--------------------|---|
| 101 | Type "C" Manhole | | R-1772 | 833.87 | 10" DIP 827.44 (NE) [] 18" RCP 827.44 (S) [] | 18" RCP 824.68 (E) [102] | 48' | 18" | 2.30% | 102 | - |
| 102 | Type "C" Manhole | SHEET SU2.1 | R-1772 | 827.92 | 18" RCP 823.58 (W) [101] | 18" RCP 823.48 (NE) [103] | 171' | 18" | 2.30% | 103 | - |
| 103 | Type "C" Manhole | SHEET SU2.1 | R-1772 | 823.85 | 18" RCP 819.54 (SW) [102] | 18" RCP 819.44 (N) [104] | 179' | 18" | 2.30% | 104 | - |
| 104 | Type "C" Manhole | SHEET SU2.1 | R-1772 | 823.72 | 18" RCP 815.32 (S) [103] | 24" RCP 815.22 (N) [105] | 92' | 24" | 0.30% | 105 | - |
| 105 | Type "C" Manhole | SHEET SU2.1 | R-1772 | 824.26 | 24" RCP 814.95 (S) [104] | 24" RCP 814.85 (W) [306] | 249' | 24" | 0.30% | 306 | - |
| 201 | Type "C" Manhole | SHEET SU2.1 | R-1772 | 825.75 | 6" HDPE Pipe 821.58 (SW) [] | 15" HDPE Pipe 821.08 (N) [202] | 211' | 15" | 0.35% | 202 | CONNECT 10" ROOF DRAIN |
| 202 | Type "C" Manhole | SHEET SU2.1 | R-1772 | 824.34 | 15" HDPE Pipe 820.34 (S) [201] 10" HDPE Pipe 820.34 (N) [] | 15" RCP 818.84 (E) [203] | 17' | 15" | 0.54% | 203 | CONNECT 10" ROOF DRAIN |
| 203 | Aqual-Swirl AS-7 | SHEET SU2.2 | Per Manufacturer | 823.45 | 15" RCP 818.74 (W) [202] | 15" RCP 818.74 (E) [204] | 13' | 15" | 0.54% | 204 | - |
| 204 | Type "C" Manhole | SHEET SU2.1 | R-3010 | 823.19 | 15" RCP 818.68 (W) [203] | 15" RCP 816.98 (E) [] | 3' | 15" | 16.21% | | CONNECT EXISTING 15" RCF |
| 301 | Inlet Type "M" | SHEET SU2.1 | R-3287-SB10 | 825.08 | | 15" RCP 821.39 (W) [303] | 47' | 15" | 0.90% | 303 | - |
| 302 | Inlet Type"A" | SHEET SU2.1 | R-3501-TR | 828.09 | | 12" HDPE Pipe 823.49 (N) [303] | 61' | 12" | 2.50% | 303 | - |
| 303 | Type "J" Manhole | SHEET SU2.1 | R-3501-TR | 825.64 | 15" RCP 820.97 (E) [301] 12" HDPE Pipe 821.97 (S) [302] 18" RCP 822.38 (W) [] | 24" RCP 820.57 (NE) [306] | 52' | 24" | 3.86% | 306 | CONNECT EXISTING 18" RCF |
| 304 | Type "C" Manhole | SHEET SU2.1 | R-3287-SB10 | 823.67 | | 12" RCP 819.62 (E) [306] | 22' | 12" | 0.30% | 306 | - |
| 305 | Type "C" Manhole | SHEET SU2.1 | R-3472 | 831.63 | 18" RCP 819.99 (S) [] 6" DIP 827.88 (W) [] 12" PVC Pipe 820.88 (SW) [] | 24" RCP 819.53 (N) [] | 3' | 24" | 4.46% | | CONNECT EXISTING 6" DIP, 12" VCP, 2 - 18" RCP'S AND 24" RCP |
| 306 | Type "J" Manhole | SHEET SU2.1 | R-1772 | 823.53 | 24" RCP 814.10 (E) [105] 24" RCP 818.55 (SW) [303] 12" RCP 819.55 (W) [304] 24" RCP 809.85 (S) [] | 24" RCP 809.85 (N) [] | 3' | 24" | 3.50% | | CONNECT EXISTING 24" RCF |
| 401 | Type "C" Manhole | SHEET SU2.1 | R-1772 | 832.72 | 8" PVC Pipe 827.48 (E) [] | 12" HDPE Pipe 825.52 (N) [402] | 227' | 12" | 2.50% | 402 | CONNECT 2 - 8" PVC ROOF DRAINS |
| 402 | Type "C" Manhole | SHEET SU2.1 | R-1772 | 824.31 | 12" HDPE Pipe 819.83 (S) [401] | 15" RCP 819.73 (E) [405] | 77' | 15" | 0.35% | 405 | - |
| 403 | Inlet Type "M" | SHEET SU2.1 | R-3287-SB10 | 822.48 | | 12" RCP 818.77 (S) [404] | 43' | 12" | 0.30% | 404 | - |
| 404 | Type "C" Manhole | SHEET SU2.1 | R-1772 | 823.36 | 12" RCP 818.64 (N) [403] | 12" RCP 818.54 (W) [405] | 60' | 12" | 0.30% | 405 | - |
| 405 | Type "C" Manhole | SHEET SU2.1 | R-1772 | 823.67 | 15" RCP 819.46 (W) [402] 12" RCP 818.36 (E) [404] | 18" RCP 816.56 (N) [406] | 10' | 18" | 0.30% | 406 | - |
| 406 | Aqual-Swirl AS-7 | SHEET SU2.2 | Per Manufacturer | 823.51 | 18" RCP 816.53 (S) [405] | 18" RCP 816.53 (N) [500 IN] | 10' | 18" | 0.30% | 500 IN | - |
| 500 OUT | U.G. DETENTION | SHEET SU2.4 | - | 823.51 | | 12" RCP 812.00 (W) [501] | 10' | 12" | 0.00% | 501 | - |
| 500 IN | U.G. DETENTION | SHEET SU2.4 | - | 824.56 | 18" RCP 816.50 (S) [406] | | | | | | - |
| 501 | Outlet Control Structure | SHEET SU2.3 | R-1772 | 823.21 | 12" RCP 812.00 (E) [500 OUT] | 12" RCP 812.00 (N) [502] | 157' | 12" | 1.53% | 502 | - |
| 502 | EXISTING STRUCTURE | ~~~~~ | R-3010 | 818.88 | 12" RCP 809.60 (S) [501] 15" RCP 812.38 (E) [] | 18" RCP 809.50 (N) [] | 3' | 18" | 1.84% | ~~~~ | CONNECT EXISTING 15" AND 18" RCP'S |

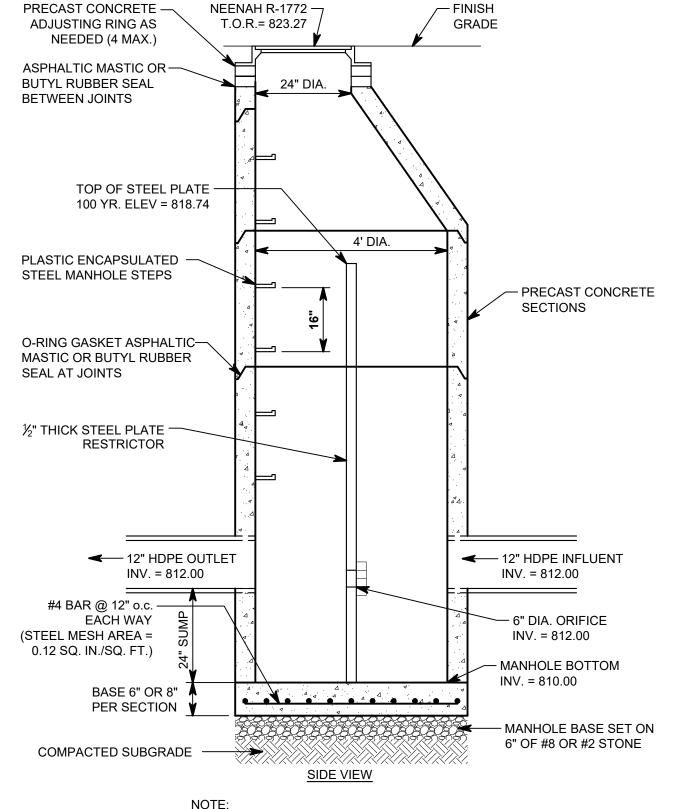






STORM WATER QUALITY BMP STRUCTURE (ST-406)
NO SCALE





NOTE:
SEE "STORM MANHOLE TYPE C DETAIL" ON SHEET SU2.1
FOR ADDITION DETAIL INFORMATION.

STR. #501 OUTLET CONTROL STRUCTURE DETAIL
NOT TO SCALE

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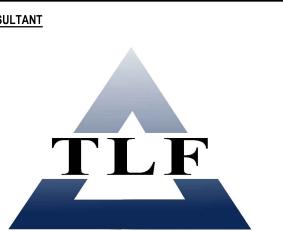


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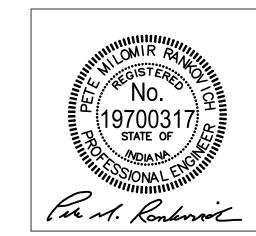


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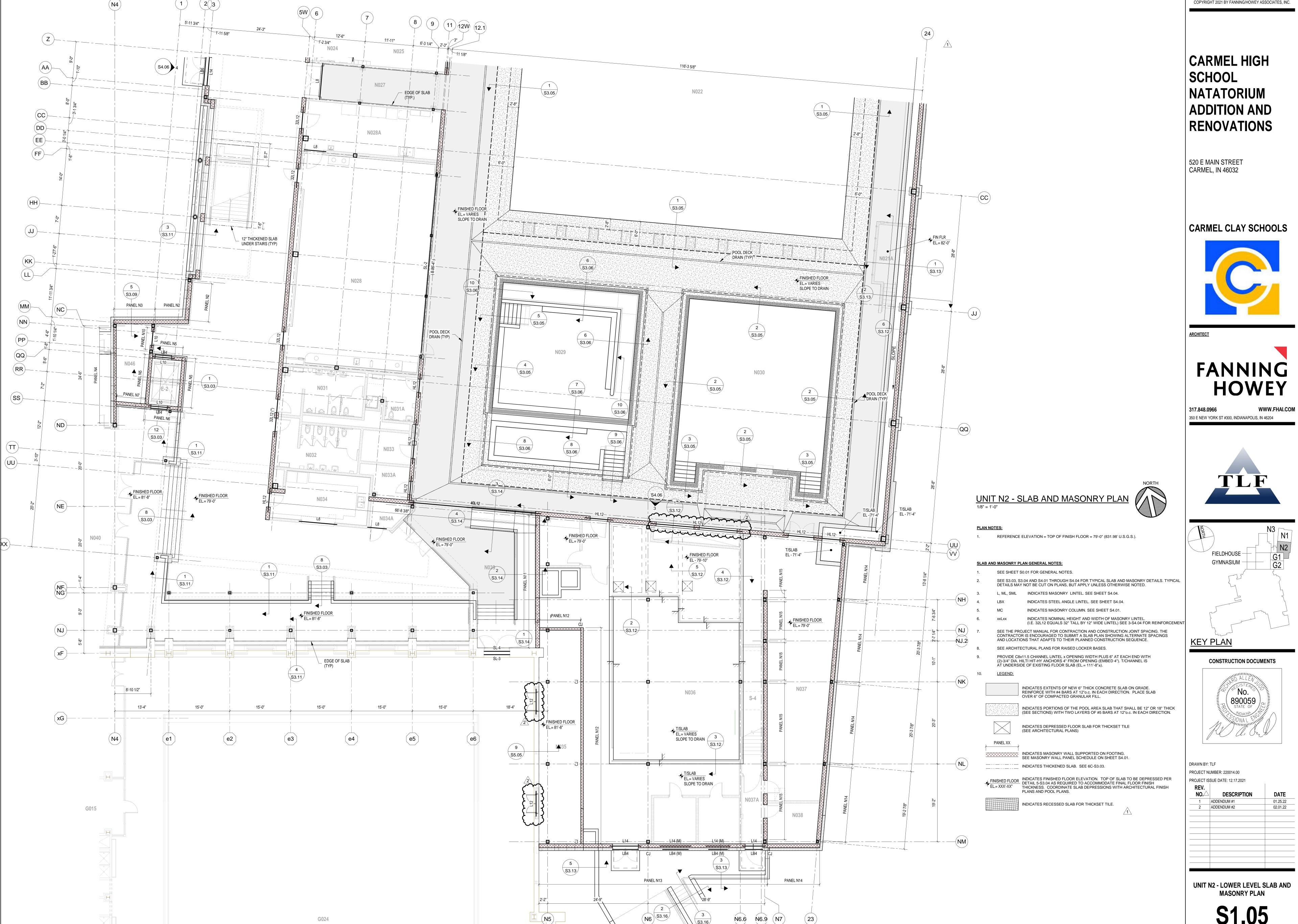
PROJECT MANAGER: PMR
DRAWN BY: HHW

PROJECT NUMBER: 220014.00

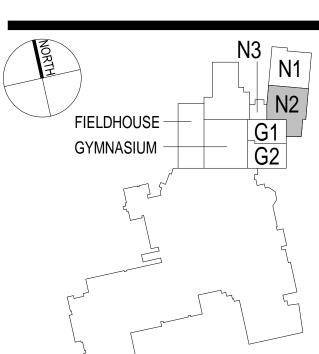
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UTILITY DETAILS

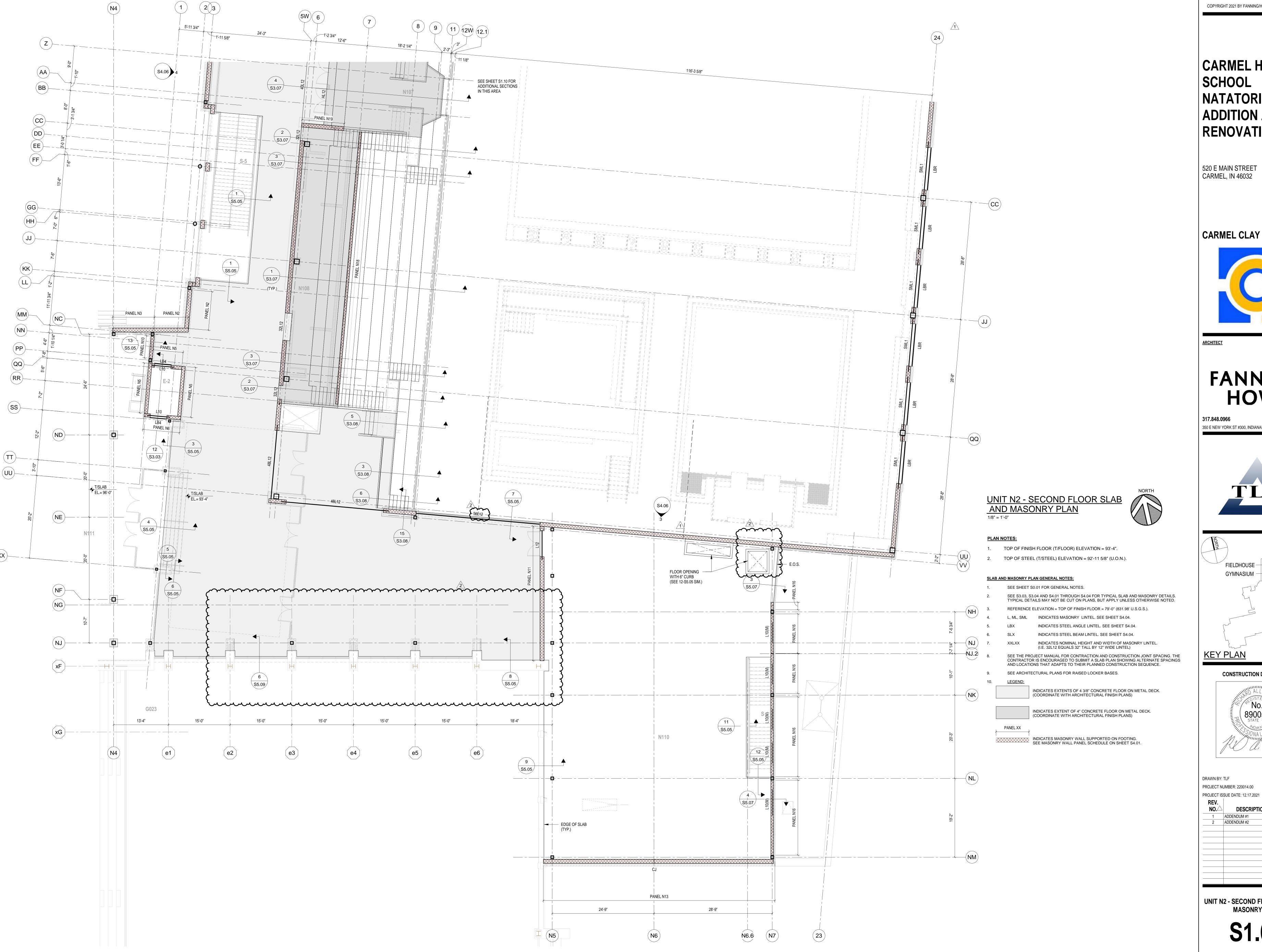
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CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

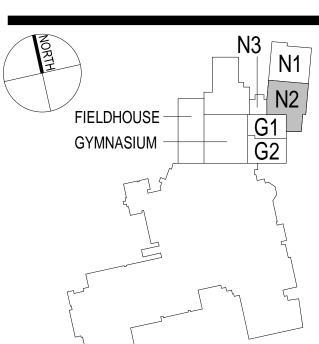
CARMEL CLAY SCHOOLS



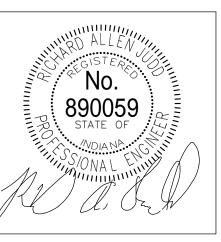


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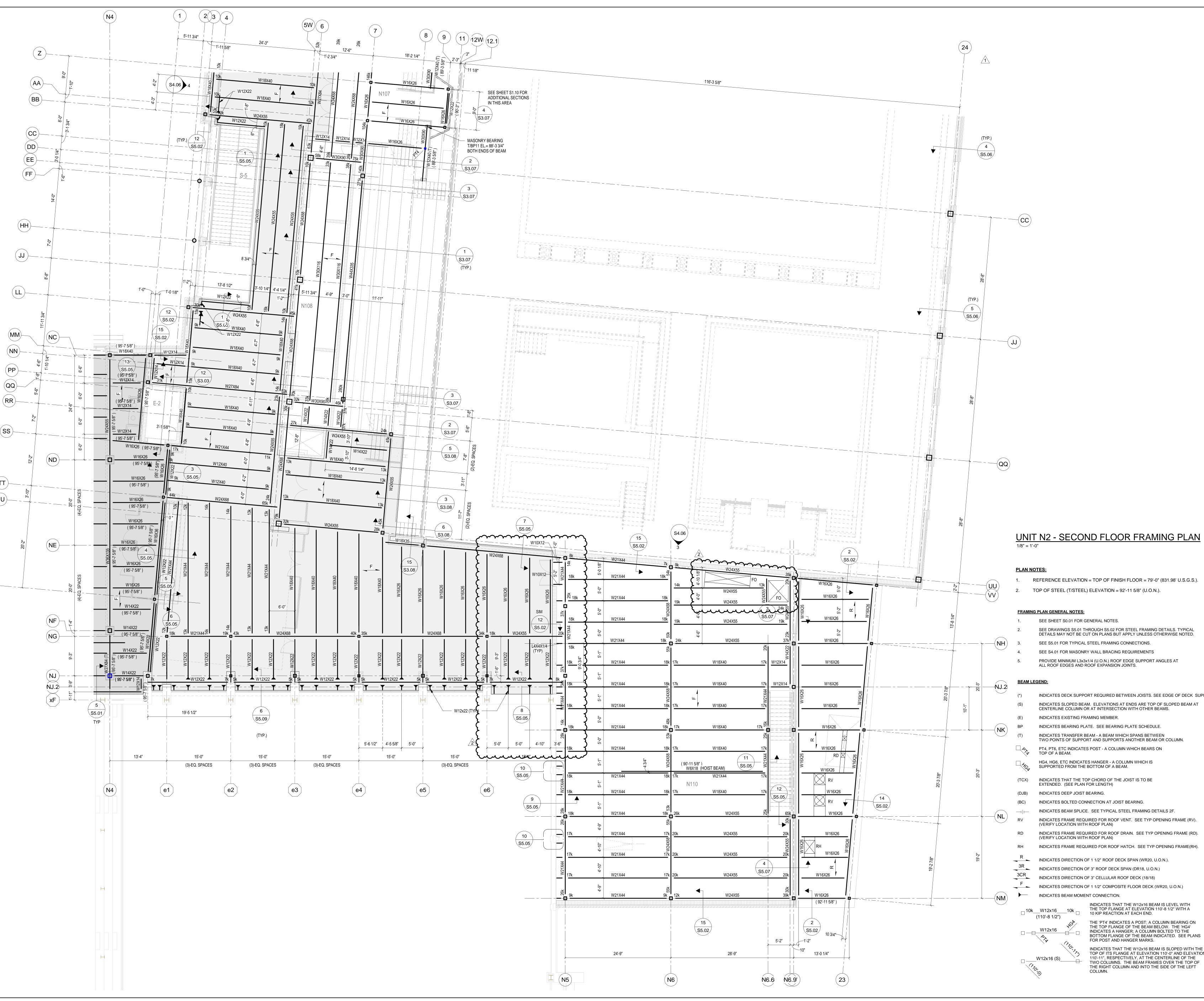
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PROJECT NUMBER: 220014.00

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UNIT N2 - SECOND FLOOR SLAB AND MASONRY PLAN



CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS



<u>ARCHITECT</u>



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GYMNASIUM

CONSTRUCTION DOCUMENTS

890059

UNIT N2 - SECOND FLOOR FRAMING PLAN

REFERENCE ELEVATION = TOP OF FINISH FLOOR = 79'-0" (831.98' U.S.G.S.). TOP OF STEEL (T/STEEL) ELEVATION = 92'-11 5/8" (U.O.N.).

SEE DRAWINGS S5.01 THROUGH S5.02 FOR STEEL FRAMING DETAILS. TYPICAL DETAILS MAY NOT BE CUT ON PLANS BUT APPLY UNLESS OTHERWISE NOTED. SEE S5.01 FOR TYPICAL STEEL FRAMING CONNECTIONS. SEE S4.01 FOR MASONRY WALL BRACING REQUIREMENTS

INDICATES DECK SUPPORT REQUIRED BETWEEN JOISTS. SEE EDGE OF DECK SUPPORT.

INDICATES SLOPED BEAM. ELEVATIONS AT ENDS ARE TOP OF SLOPED BEAM AT

INDICATES BEARING PLATE. SEE BEARING PLATE SCHEDULE. INDICATES TRANSFER BEAM - A BEAM WHICH SPANS BETWEEN TWO POINTS OF SUPPORT AND SUPPORTS ANOTHER BEAM OR COLUMN.

HG4, HG6, ETC INDICATES HANGER - A COLUMN WHICH IS SUPPORTED FROM THE BOTTOM OF A BEAM.

INDICATES THAT THE TOP CHORD OF THE JOIST IS TO BE EXTENDED. (SEE PLAN FOR LENGTH)

INDICATES BOLTED CONNECTION AT JOIST BEARING. INDICATES BEAM SPLICE. SEE TYPICAL STEEL FRAMING DETAILS 2F.

INDICATES FRAME REQUIRED FOR ROOF VENT. SEE TYP OPENING FRAME (RV). INDICATES FRAME REQUIRED FOR ROOF DRAIN. SEE TYP OPENING FRAME (RD).

INDICATES DIRECTION OF 1 1/2" ROOF DECK SPAN (WR20, U.O.N.). INDICATES DIRECTION OF 3" ROOF DECK SPAN (DR18, U.O.N.)

3CR INDICATES DIRECTION OF 3" CELLULAR ROOF DECK (18/18) INDICATES DIRECTION OF 1 1/2" COMPOSITE FLOOR DECK (WR20, U.O.N.)

> THE 'PT4' INDICATES A POST; A COLUMN BEARING ON THE TOP FLANGE OF THE BEAM BELOW. THE 'HG4' INDICATES A HANGER: A COLUMN BOLTED TO THE BOTTOM FLANGE OF THE BEAM INDICATED. SEE PLANS FOR POST AND HANGER MARKS. INDICATES THAT THE W12x16 BEAM IS SLOPED WITH THE TOP OF ITS FLANGE AT ELEVATION 110'-0" AND ELEVATION

DRAWN BY: TLF PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021 NO. DESCRIPTION 1 ADDENDUM #1 2 ADDENDUM #2

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UNIT N2 - SECOND FLOOR FRAMING PLAN

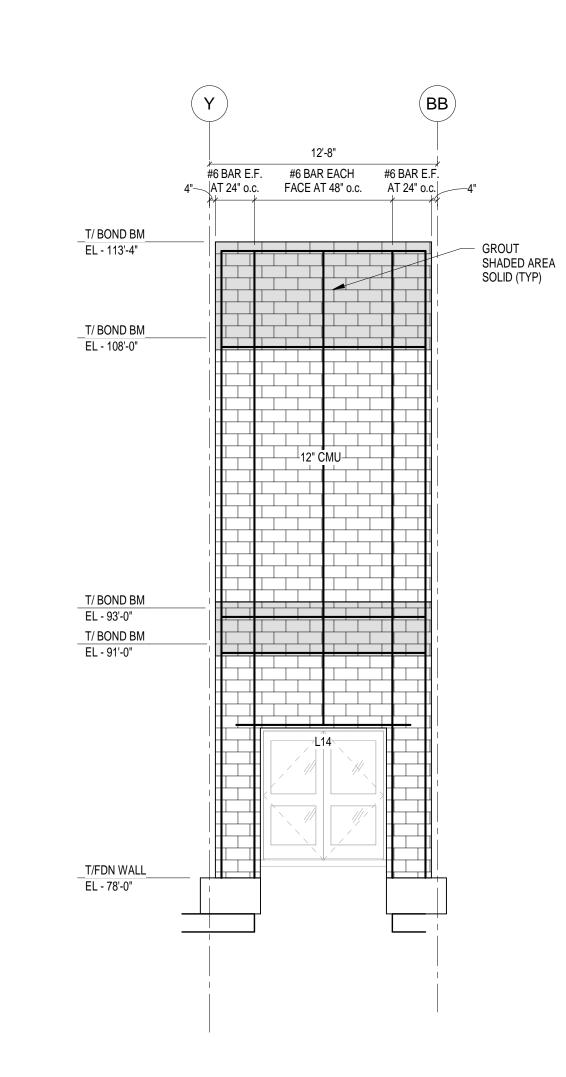
14'-1 3/4" 15'-0" 15'-0" 24'-3" 33'-2 1/4" #6 BAR EACH FACE AT 32" o.c. #6 BAR EACH FACE AT 48" o.c. #6 BAR EACH FACE AT 32" o.c. #6 BAR EACH FACE AT 8" o.c AT MASONRY COLUMNS (TYP) T/BOND BM EL - 136'-0" T/BOND BM EL - 132'-0" T/BOND BM EL - 130'-8" T/BOND BM EL - 128'-0" T/BOND BM_ EL - 127'-4" GROUT SHADED
AREA SOLID T/BOND BM EL - 124'-0" _T/BOND BM T/BOND BM EL - 120'-8" EL - 120'-8" S5.06 T/BOND BM EL - 116'-0" T/BOND BM EL - 114'-8" (2)-#6 LINTEL BARS (CONT) TOP OF MASONRY _T/BOND BM T/BOND BM EL - 112'-0" EL - 112'-0" T/BOND BM EL - 108'-0" T/BOND BM EL - 108'-0" T/BOND BM EL - 102'-8" (2)-#6 BARS AT -8"o.c. (TYP.) ___T/BOND BM_ EL - 93'-0" T/BOND BM EL - 93'-0" __T/BOND BM__ EL - 91'-0" T/FDN WALL EL - 78'-0" T/FDN WALL EL - 78'-0" NOTES:

XXLXX INDICATES NOMINAL HEIGHT AND WIDTH OF MASONRY LINTEL

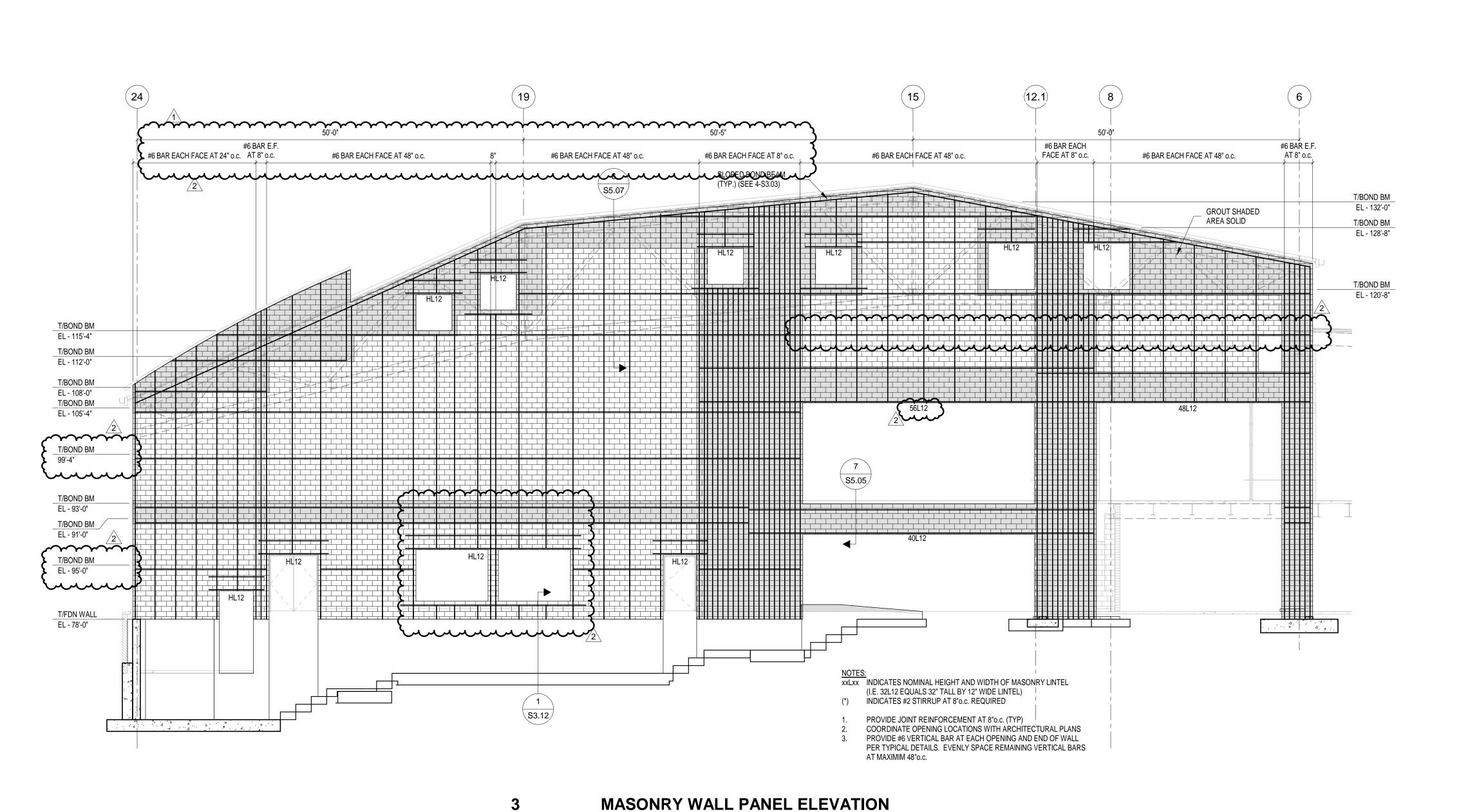
(I.E. 32L12 EQUALS 32" TALL BY 12" WIDE LINTEL)

(*) INDICATES #2 STIRRUP AT 8"o.c. REQUIRED PROVIDE JOINT REINFORCEMENT AT 8"o.c. (TYP)
COORDINATE OPENING LOCATIONS WITH ARCHITECTURAL PLANS
PROVIDE #6 VERTICAL BAR AT EACH OPENING AND END OF WALL PER TYPICAL DETAILS. EVENLY SPACE REMAINING VERTICAL BARS AT MAXIMIM 48"o.c.

MASONRY WALL PANEL ELEVATION SCALE: 3/16" = 1'-0" **MASONRY WALL PANEL ELEVATION** SCALE: 1/8" = 1'-0"



MASONRY WALL PANEL ELEVATION SCALE: 3/16" = 1'-0"



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

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CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS



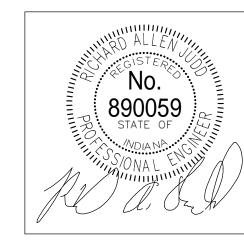
<u>ARCHITECT</u>



317.848.0966 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204



CONSTRUCTION DOCUMENTS



DRAWN BY: TLF PROJECT NUMBER: 220014.00

PROJECT ISSUE DATE: 12.17.2021

| REV. NO.△ | DESCRIPTION | DATE |
|--------------|-------------|----------|
| 1 | ADDENDUM #1 | 01.25.22 |
| 2 | ADDENDUM #2 | 02.01.22 |
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MASONRY WALL PANEL ELEVATIONS