# 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 acknowledge Receipt of Addenda No. (s)	es receipt of the fo	ollowing Addenda:	_
PROPOSAL TIME			
•	ids may be accepte	ed or rejected during	kty (60) consecutive calendar this period. Bids not accepted ected.
Attended pre-bid conference	YES	NO	
Has visited the jobsite	YES	NO	
The Bidder has reviewed the Of the schedule can be met.		le in Section 01 32 0	
	lic work project a	and meets or exceeds	employees of the bidder who the requirements set in IC 4-
The Skillman Corporation's measure the active participat Disabled Individual-Owned provided full and equal opportunity	ion of Minority- (Businesses. The F	Owned, Women-Own Program is to ensure	ned, Veteran – Owned and that MWVDBEs are
	DBE: YES MBE: YES WBE: YES VBE: YES	% NO % NO	
The undersigned further agree	es to furnish a bo	nd 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
15 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 Or	ganization)
	Ву			
			(Title of Pers	on Signing)
		WLEDGEMI	ENT	
STATE OF	) 22.			
COUNTY OF	)			
Before me, a Notary Publ	ic, personally appea	ared the abov	e-named	
Swore that the statements	contained in the fo	regoing docu	ment are true and	l correct.
Subscribed and sworn to	before me this	(	lay of	,
(Title)				
	Notary Public			
My Commission Expires:				
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

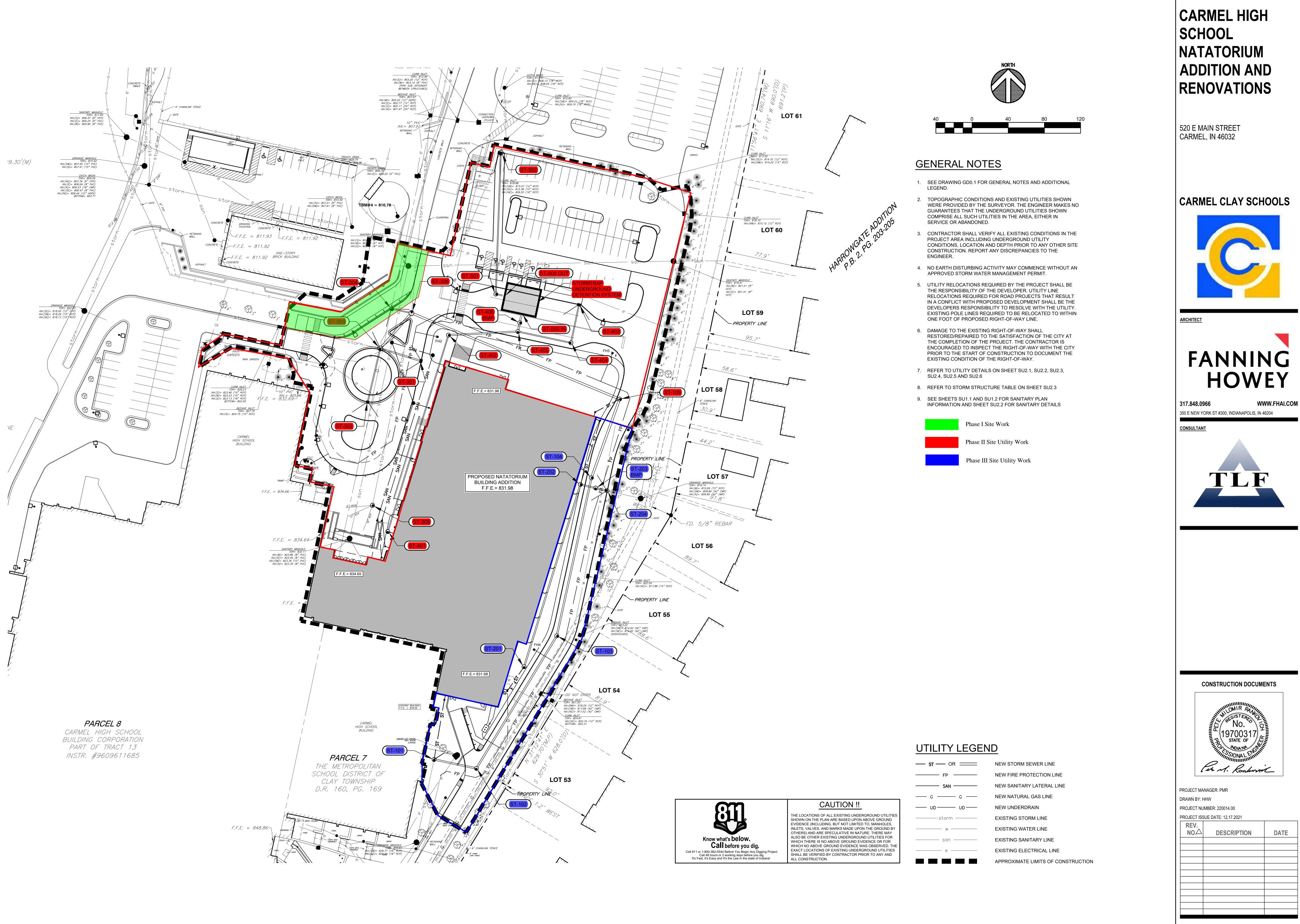
See Contingency Allowances next page

# 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



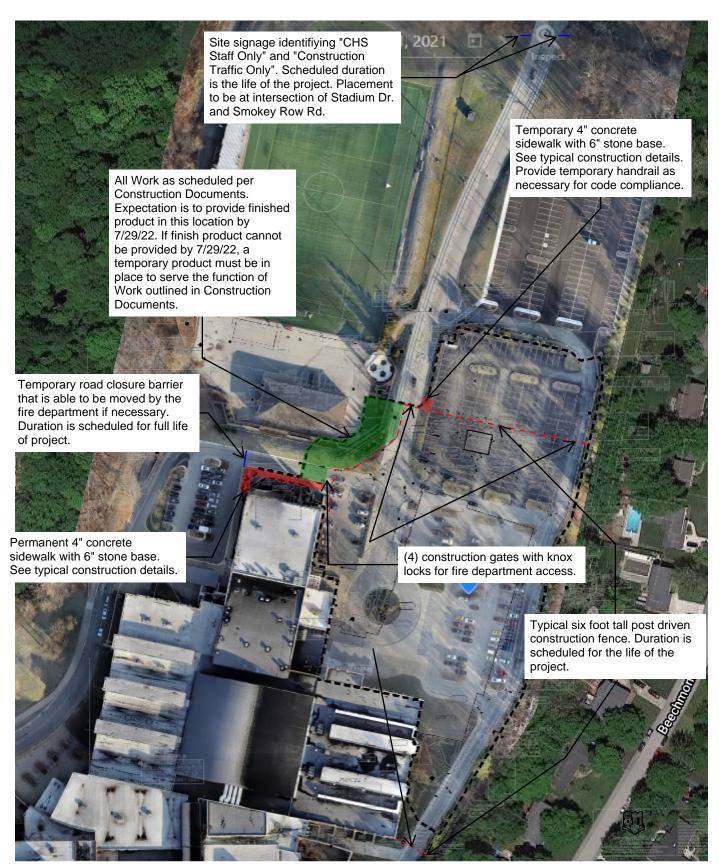
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Site Utility Phasing Plan



**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					×	







# **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					×	







# 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					×	







#### ADDENDUM NO.2

#### Carmel High School Natatorium Additions and Renovations

Project No. 220014.00

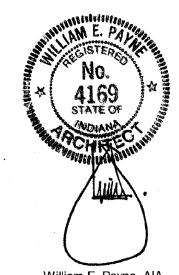
Carmel Clay Schools Carmel, Indiana

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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:
  - 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

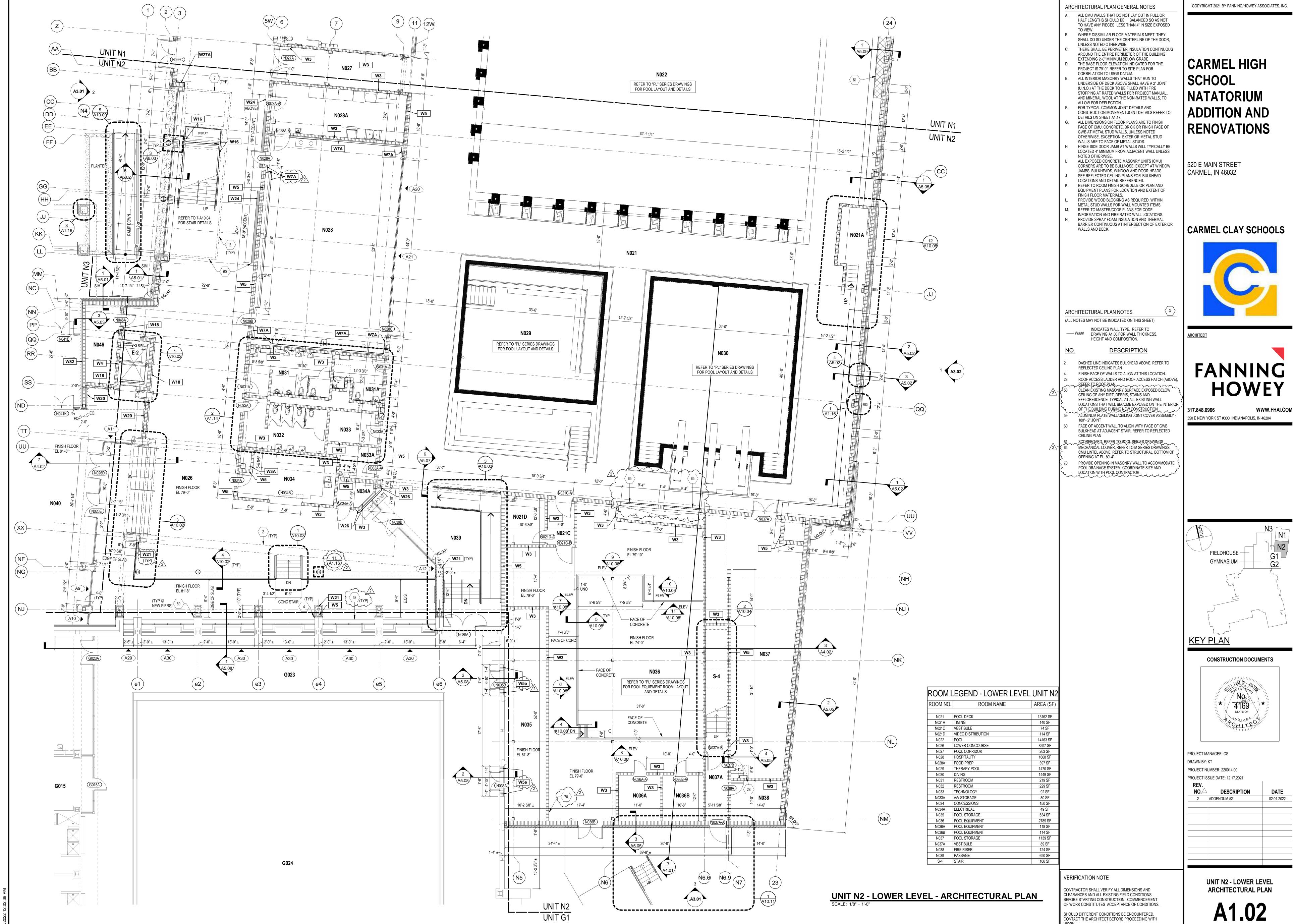
A. Materials are to be measured by weight. The flowable fill may be mixed in a central concrete mixer, a ready mix truck, or other means acceptable to the Engineer. The flowable fill shall be transported to the point of placement in a revolving drum mixer or in an agitator unit.

#### 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



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ROOM L	UNIT N	
ROOM NO.	AREA (SI	
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

END - LOWER LEVEL	UNIT N3	ARC	CHITECTURAL PLAN GENERAL NOTES
ROOM NAME	AREA (SF)	A.	ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OF HALF LENGTHS SHOULD BE BALANCED SO AS
ATOR	84 SF		TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPO
R CONCOURSE	8297 SF	В.	WHERE DISSIMILAR FLOOR MATERIALS MEET, TH SHALL DO SO UNDER THE CENTERLINE OF THE D
Y	2389 SF		UNLESS NOTED OTHERWISE.

IAT DO NOT LAY OUT IN FULL OR OULD BE BALANCED SO AS NOT ES LESS THAN 4" IN SIZE EXPOSED

R FLOOR MATERIALS MEET, THEY ER THE CENTERLINE OF THE DOOR,

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

HEIGHT AND COMPOSITION.

CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** 

RENOVATIONS

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520 E MAIN STREET

CARMEL, IN 46032

CARMEL CLAY SCHOOLS

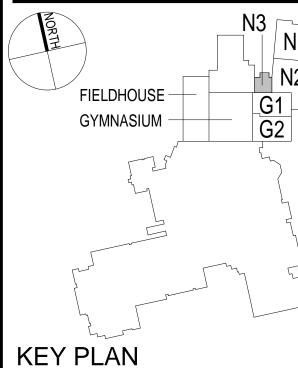


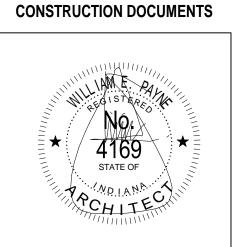
ALUMINUM PLATE WALL/CEILING JOINT COVER ASSEMBLY CLEAN FACE OF EXISTING EXTERIOR WALL THAT WILL BECOME EXPOSED ON THE INTERIOR OF THE BUILDING DURING NEW CONSTRUCTION, REFER TO DRAWINGS FOR

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

<u>ARCHITECT</u>

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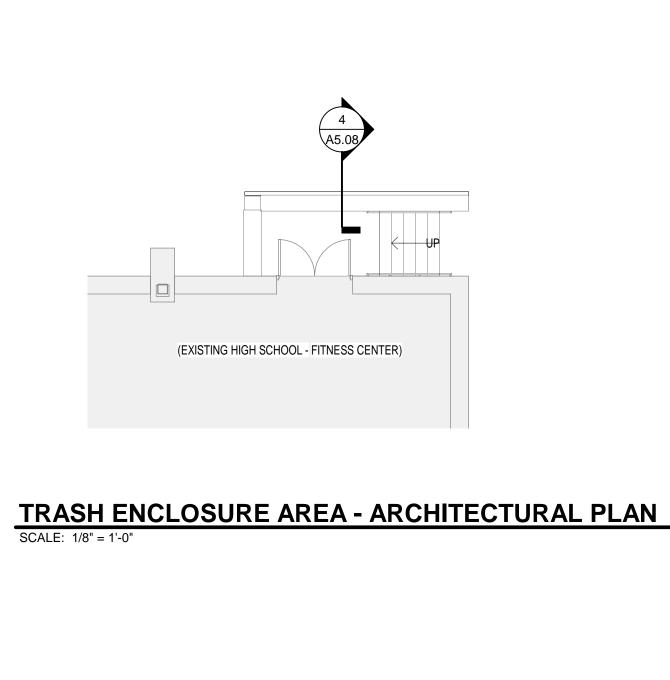
PROJECT MANAGER: CS DRAWN BY: KT PROJECT NUMBER: 220014.00

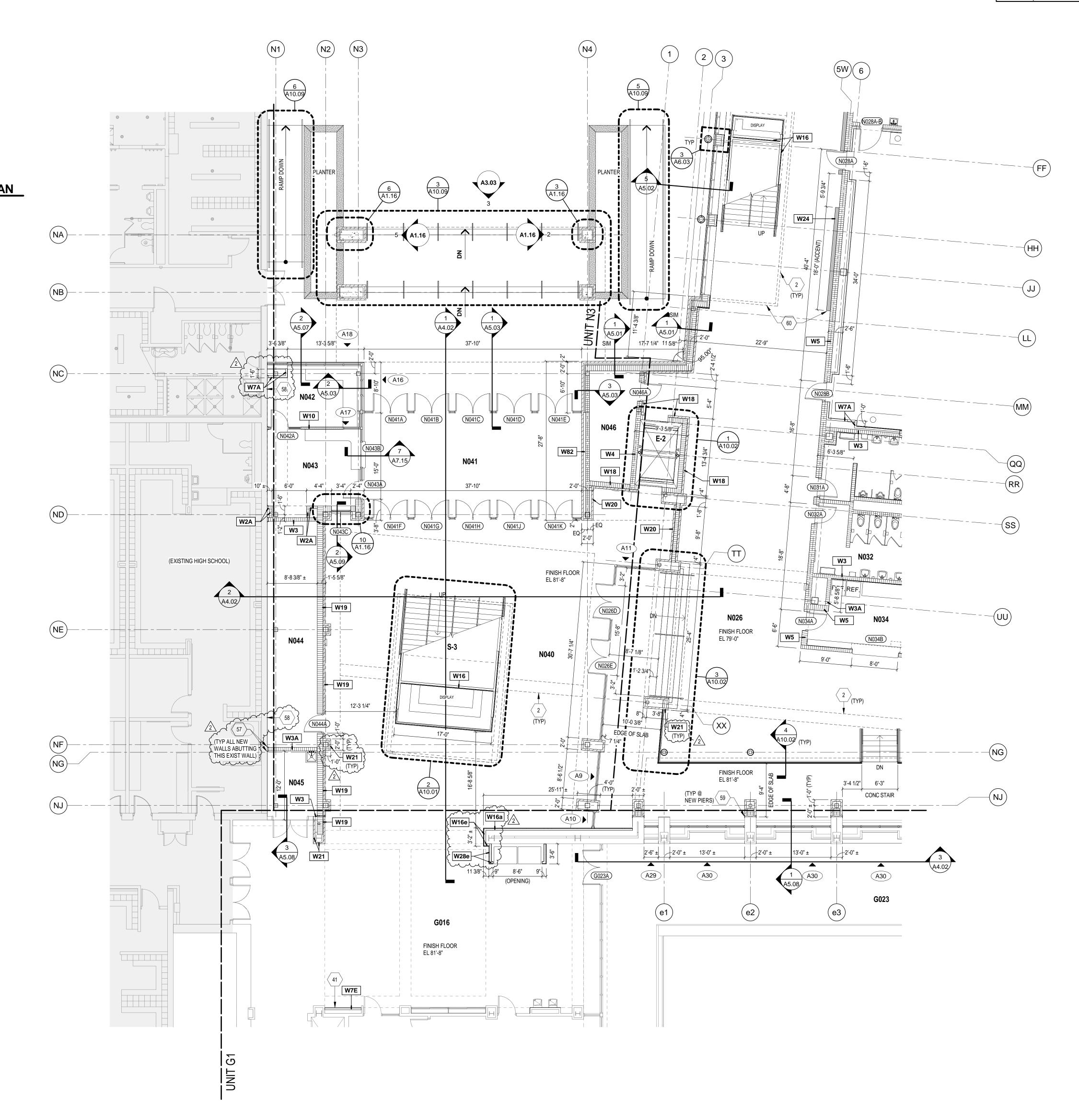
PROJECT ISSUE DATE: 12.17.2021

REV. No. $\triangle$	DESCRIPTION	DATE	
2	ADDENDUM #2	02.01.2022	

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

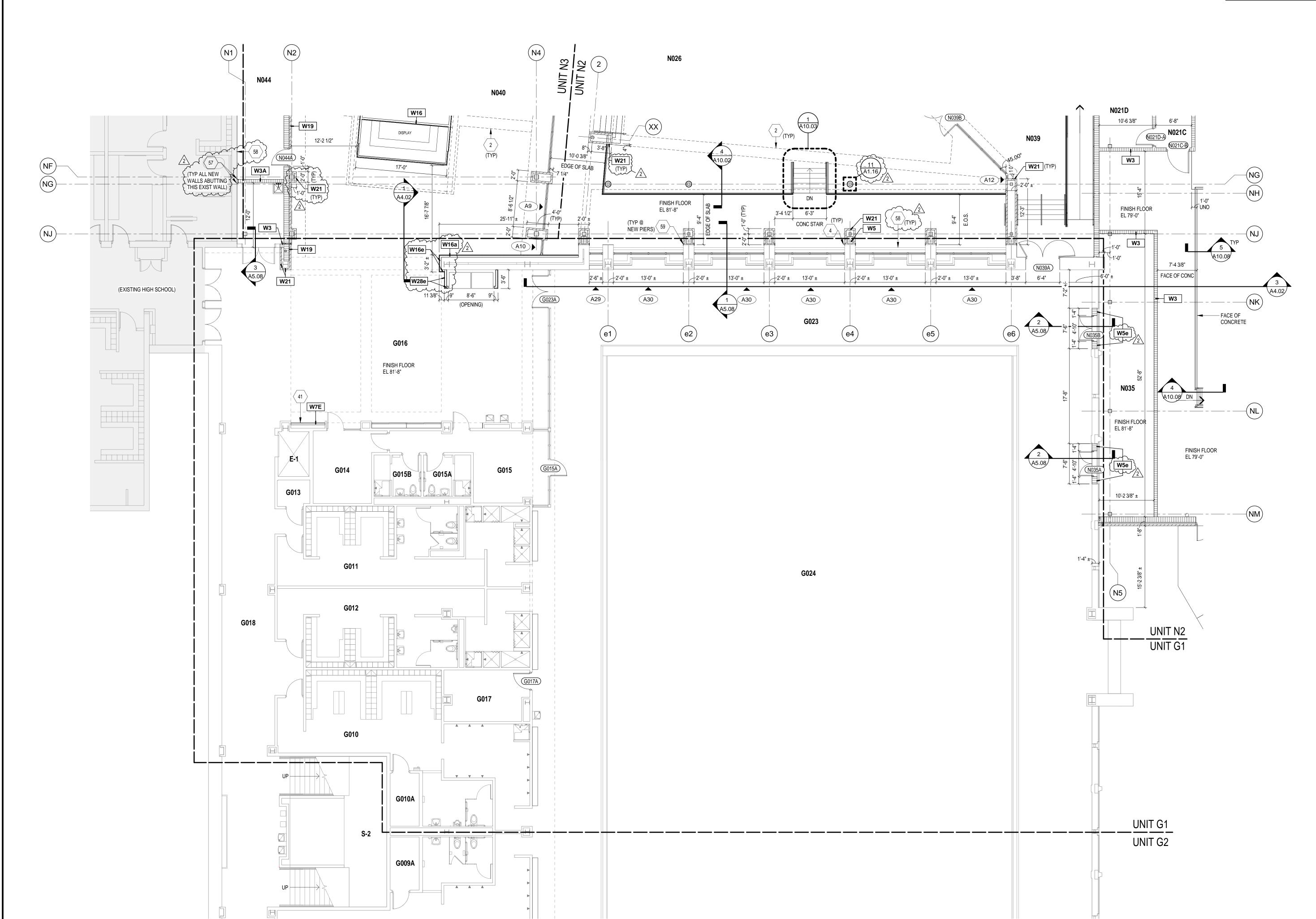




UNIT N3 - LOWER LEVEL - ARCHITECTURAL PLAN

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

ROOM LEGEND - LOWER LEVEL UN						
ROOM NO.	AREA (SI					
		•				
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				



UNIT G1 - LOWER LEVEL - ARCHITECTURAL PLAN

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

ARCHITECTURAL PLAN GENERAL NOTES

A. 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 TO VIEW.

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

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

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.

INFORMATION AND FIRE RATED WALL LOCATIONS.
PROVIDE SPRAY FOAM INSULATION AND THERMAL

WALLS AND DECK.

BARRIER CONTINUOUS AT INTERSECTION OF EXTERIOR

CARMEL, IN 46032

520 E MAIN STREET

CARMEL CLAY SCHOOLS

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CARMEL HIGH

NATATORIUM

**ADDITION AND** 

RENOVATIONS

SCHOOL



(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

INDICATES WALL TYPE. REFER TO

--- W### INDICATES WALL TYPE. REFER TO DRAWING A1.00 FOR WALL THICKNESS, HEIGHT AND COMPOSITION.

ARCHITECTURAL PLAN NOTES

### <u>DESCRIPTION</u>

DASHED LINE INDICATES BULKHEAD ABOVE, REFER TO REFLECTED CEILING PLAN
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).

57 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 DURING NEW CONSTRUCTION

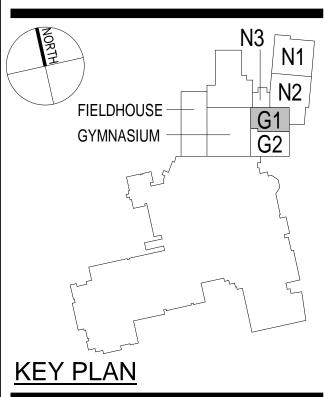
59 ALUMINUM PLATE WALL/CEILING JOINT COVER ASSEMBLY -

180° - 2" JOINT

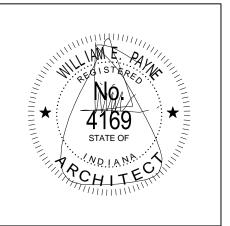
ARCHITECT

FANNINC

**317.848.0966 WWW.FHAI.COM**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

REV.

	NO. $\triangle$	DESCRIPTION	DATE
	2	ADDENDUM #2	02.01.2022
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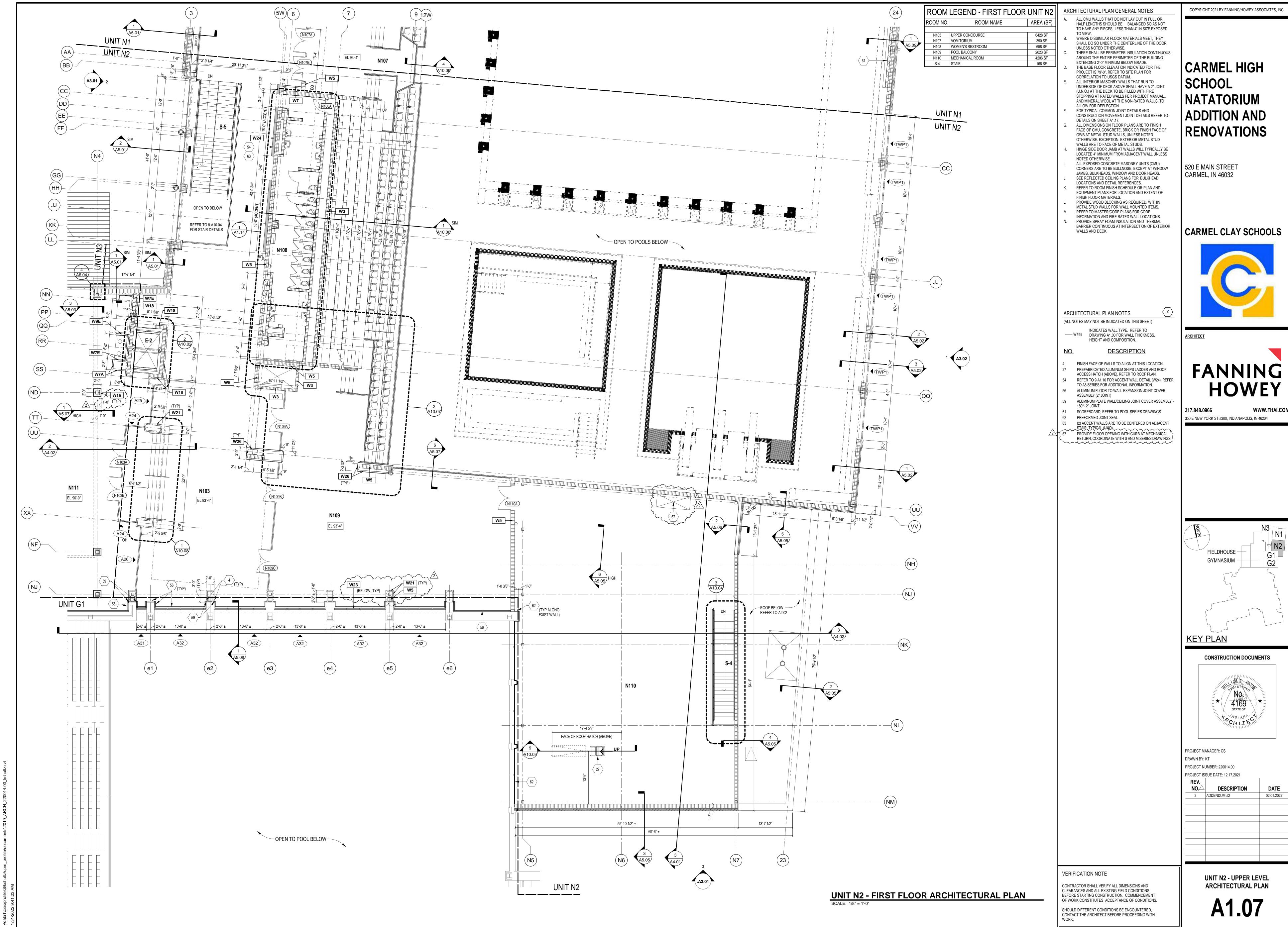
VERIFICATION NOTE

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

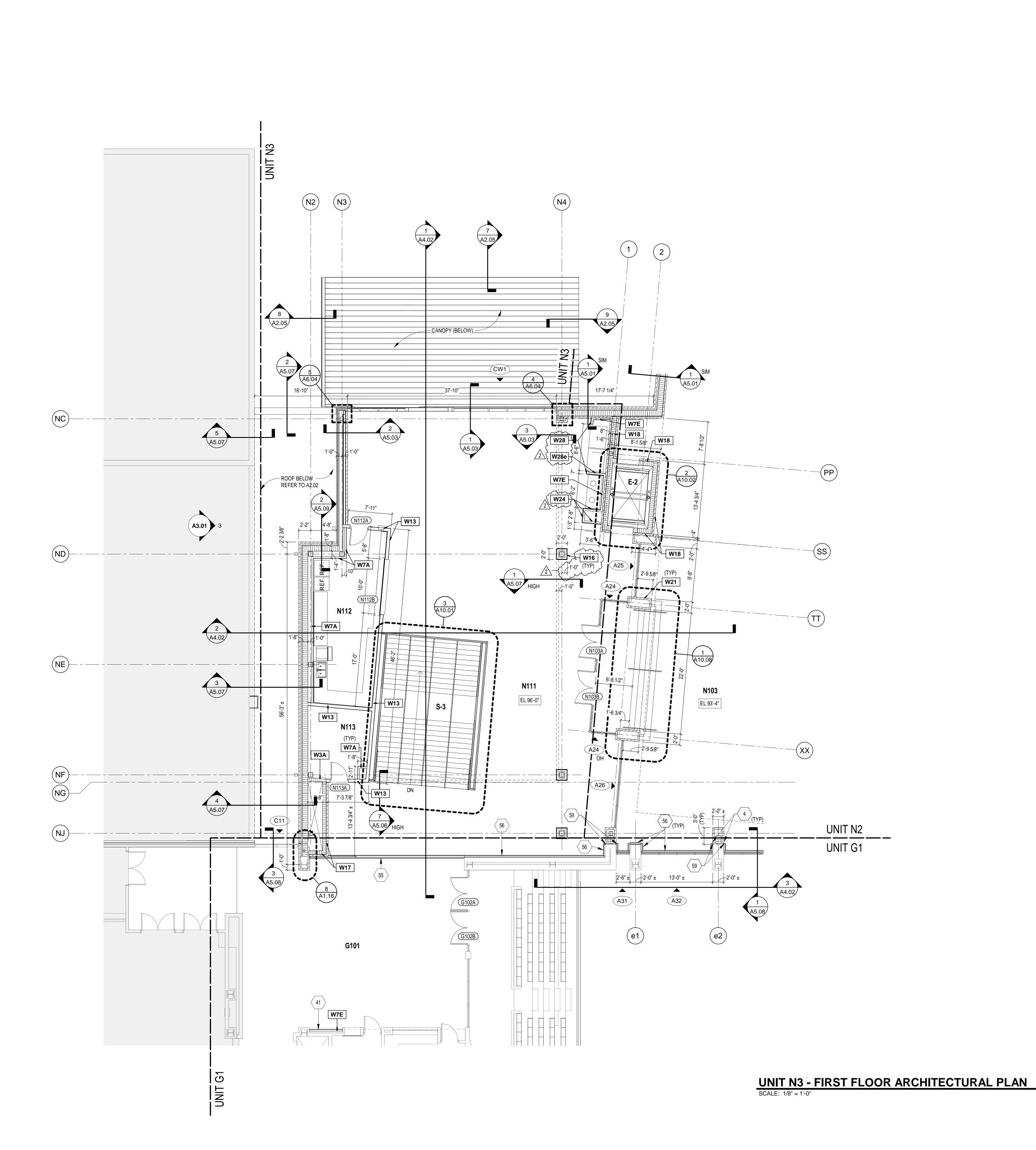
SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH

UNIT G1 - LOWER LEVEL ARCHITECTURAL PLAN

**A1.04** 



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ROOM LEGEND - FIRST FLOOR UNIT N3

235 SF

**ROOM NAME** AREA (SF) E-2 ELEVATOR

N111 UPPER LEVEL LOBBY

N112 CONCESSIONS

S-3 STAIR

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

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)

OTHERWISE. EXCEPTION: EXTERIOR METAL STUD

CORNERS ARE TO BE BULLNOSE, EXCEPT AT WINDOW JAMBS, BULKHEADS, WINDOW AND DOOR HEADS. SEE REFLECTED CEILING PLANS FOR BULKHEAD LOCATIONS AND DETAIL REFERENCES.

METAL STUD WALLS FOR WALL MOUNTED ITEMS.

REFER TO ROOM FINISH SCHEDULE OR PLAN AND EQUIPMENT PLANS FOR LOCATION AND EXTENT OF FINISH FLOOR MATERIALS. PROVIDE WOOD BLOCKING AS REQUIRED. WITHIN

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.

COPYRIGHT 2021 BY FANNING/HOWEY ASSOCIATES, INC. ARCHITECTURAL PLAN GENERAL NOTES ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR

> CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS



(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

HEIGHT AND COMPOSITION.

ARCHITECTURAL PLAN NOTES

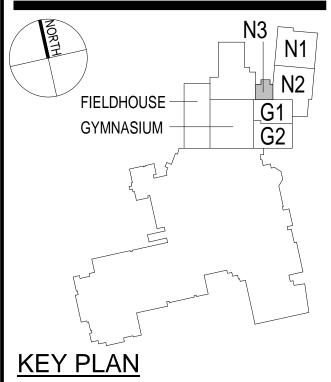
# **DESCRIPTION**

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).

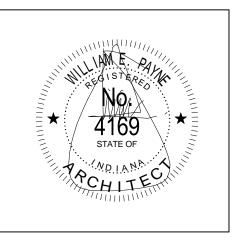
ALUMINUM FLOOR TO FLOOR EXPANSION JOINT COVER ASSEMBLY (2" JOINT) ALUMINUM FLOOR TO WALL EXPANSION JOINT COVER ASSEMBLY (2" JOINT) ALUMINUM PLATE WALL/CEILING JOINT COVER ASSEMBLY -180° - 2" JOINT



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



CONSTRUCTION DOCUMENTS

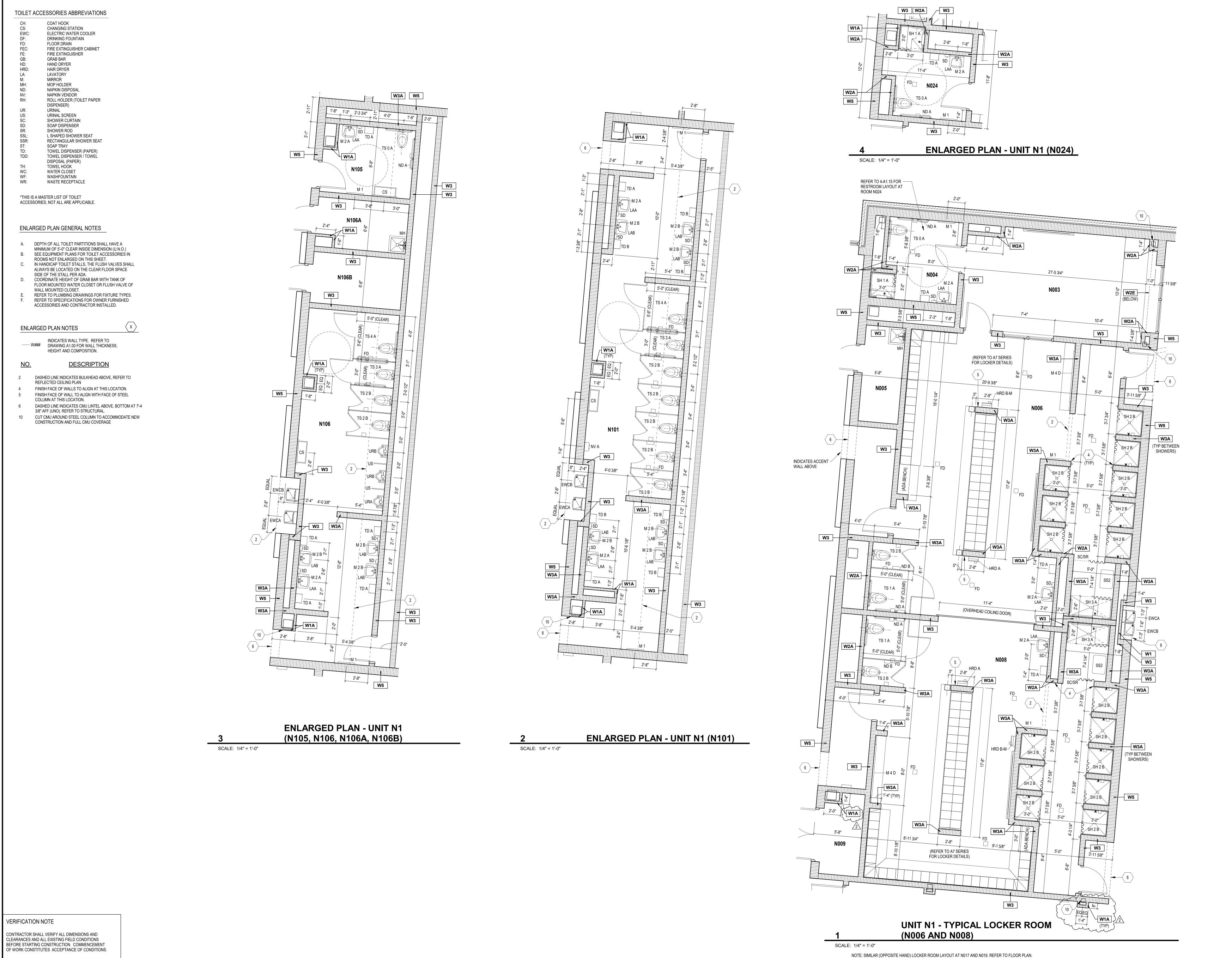


PROJECT MANAGER: CS PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

REV. NO.△	DESCRIPTION	DATE
2	ADDENDUM #2	02.01.20

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 - UPPER LEVEL** ARCHITECTURAL PLAN



CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS

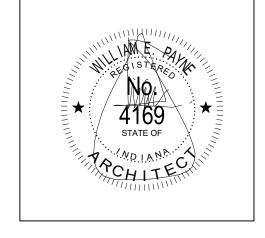


<u>ARCHITECT</u>



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CONSTRUCTION DOCUMENTS

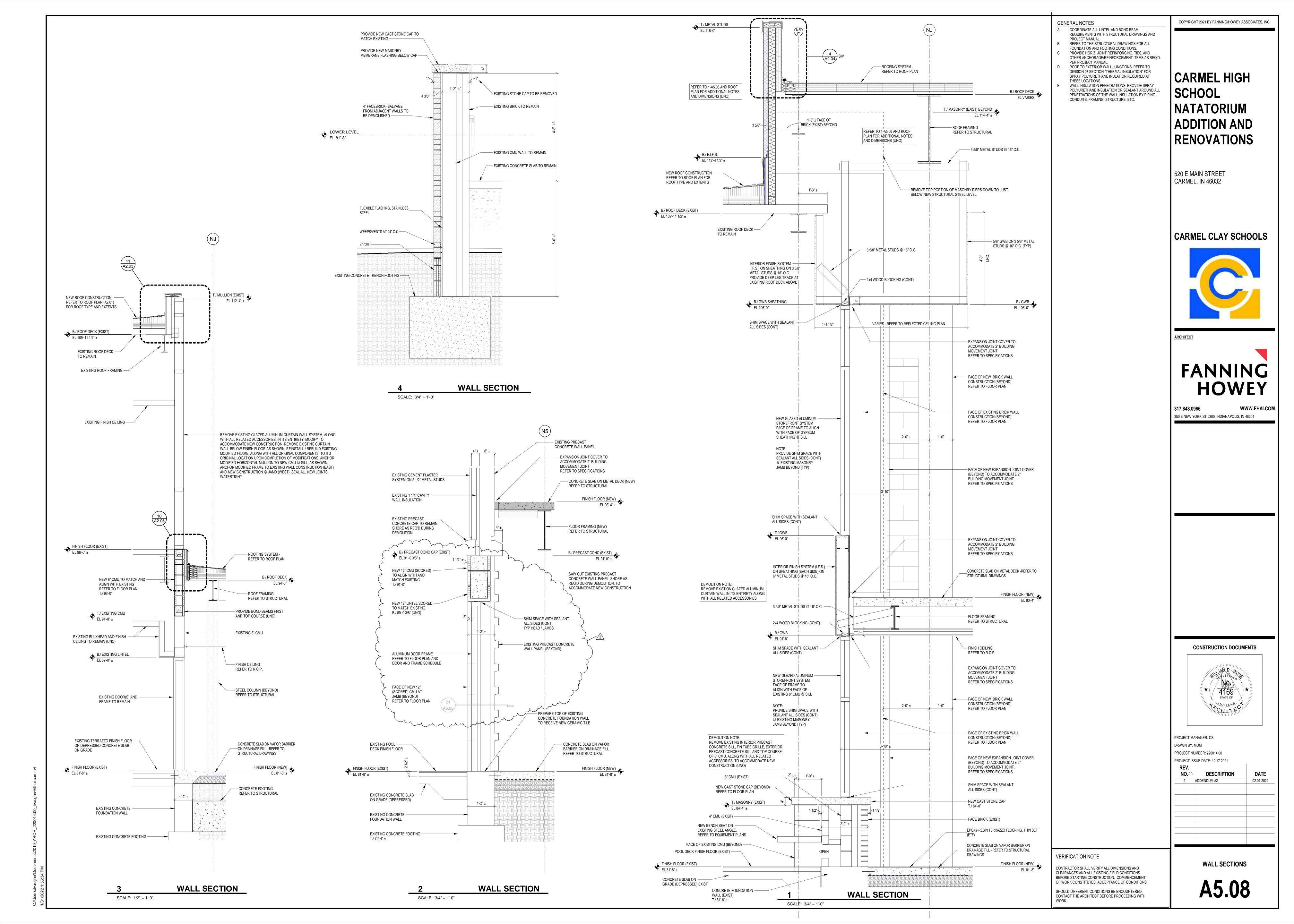


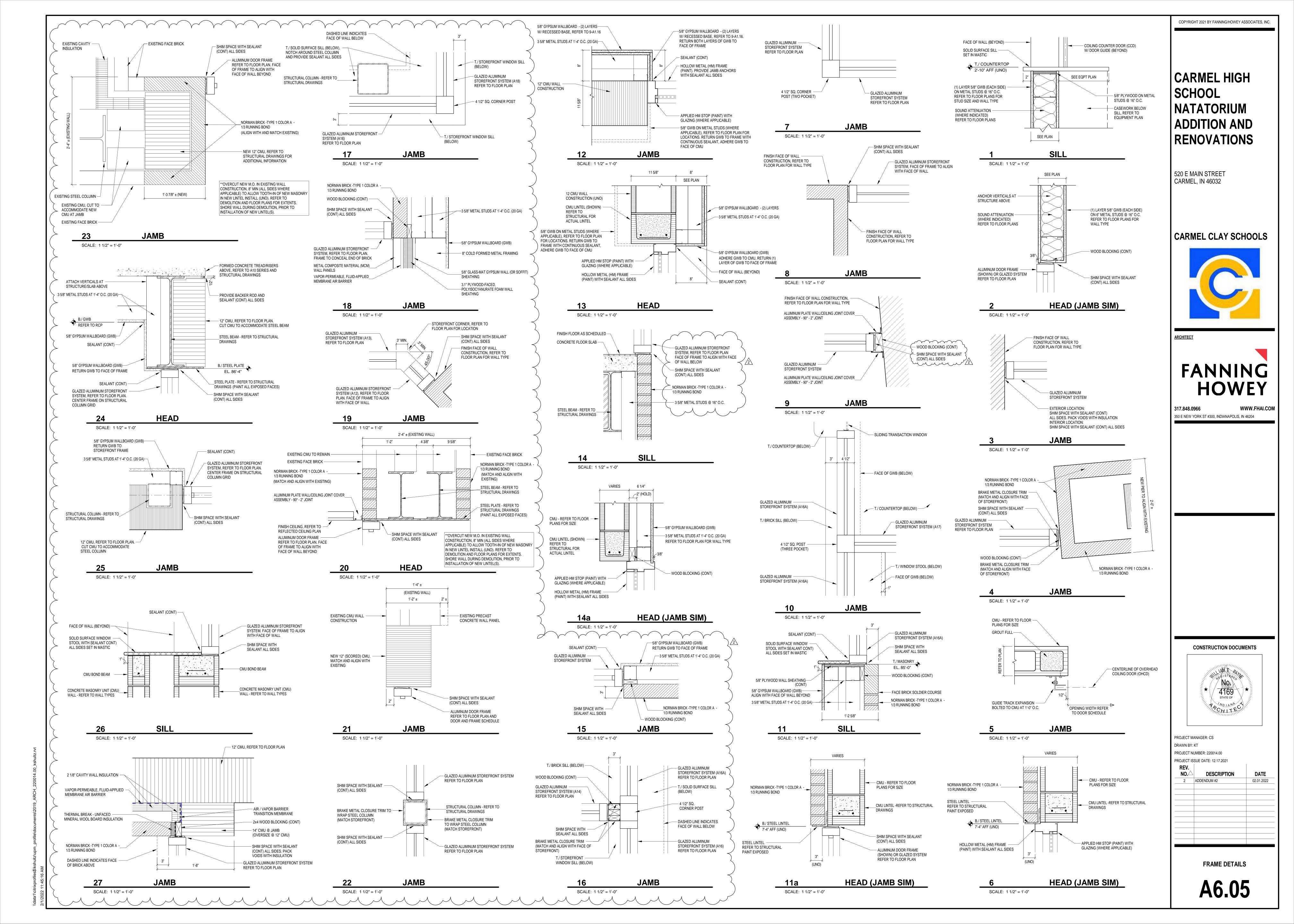
PROJECT MANAGER: CS PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

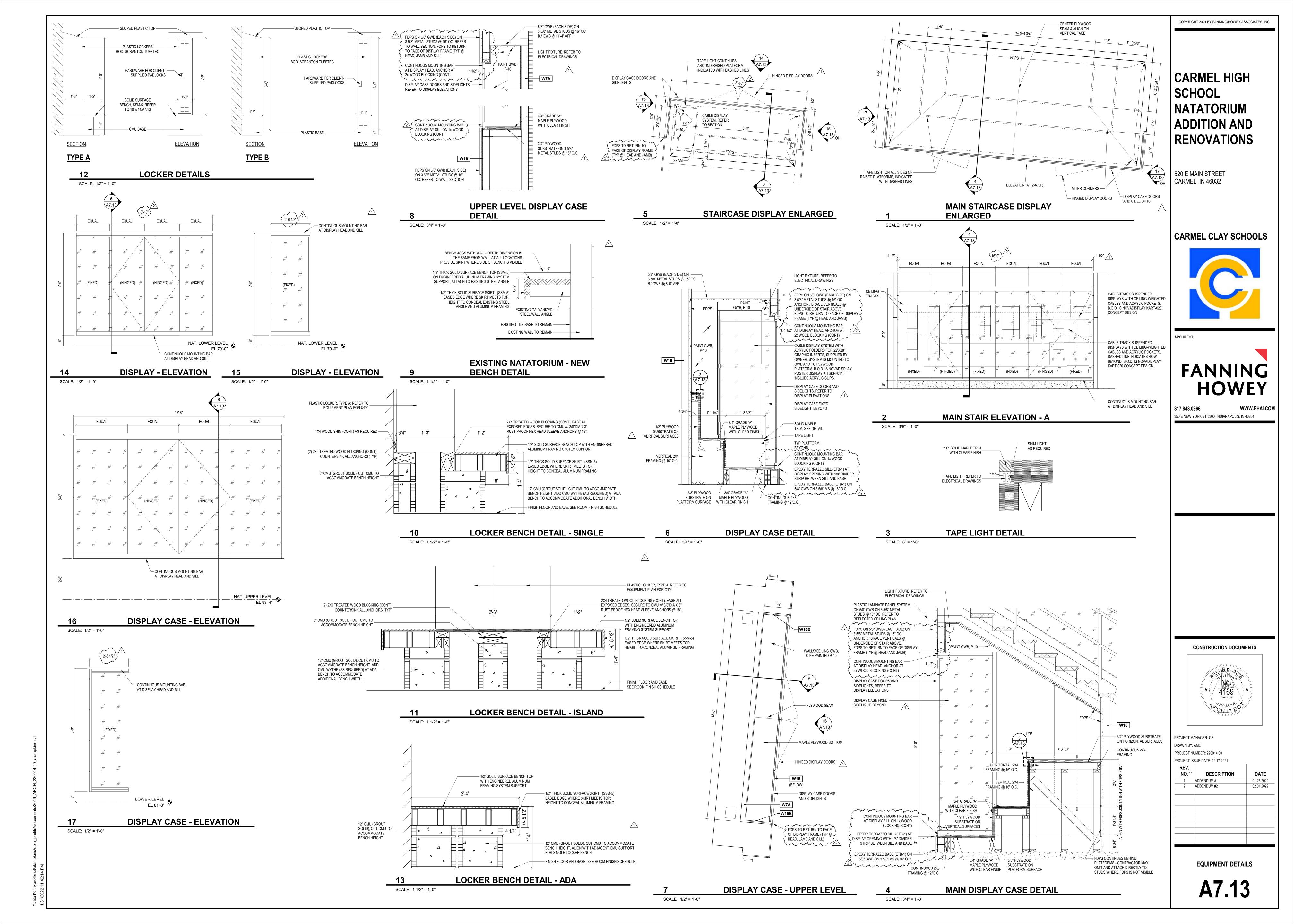
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NO. $\triangle$	DESCRIPTION	DATE
2	ADDENDUM #2	02.01.2022

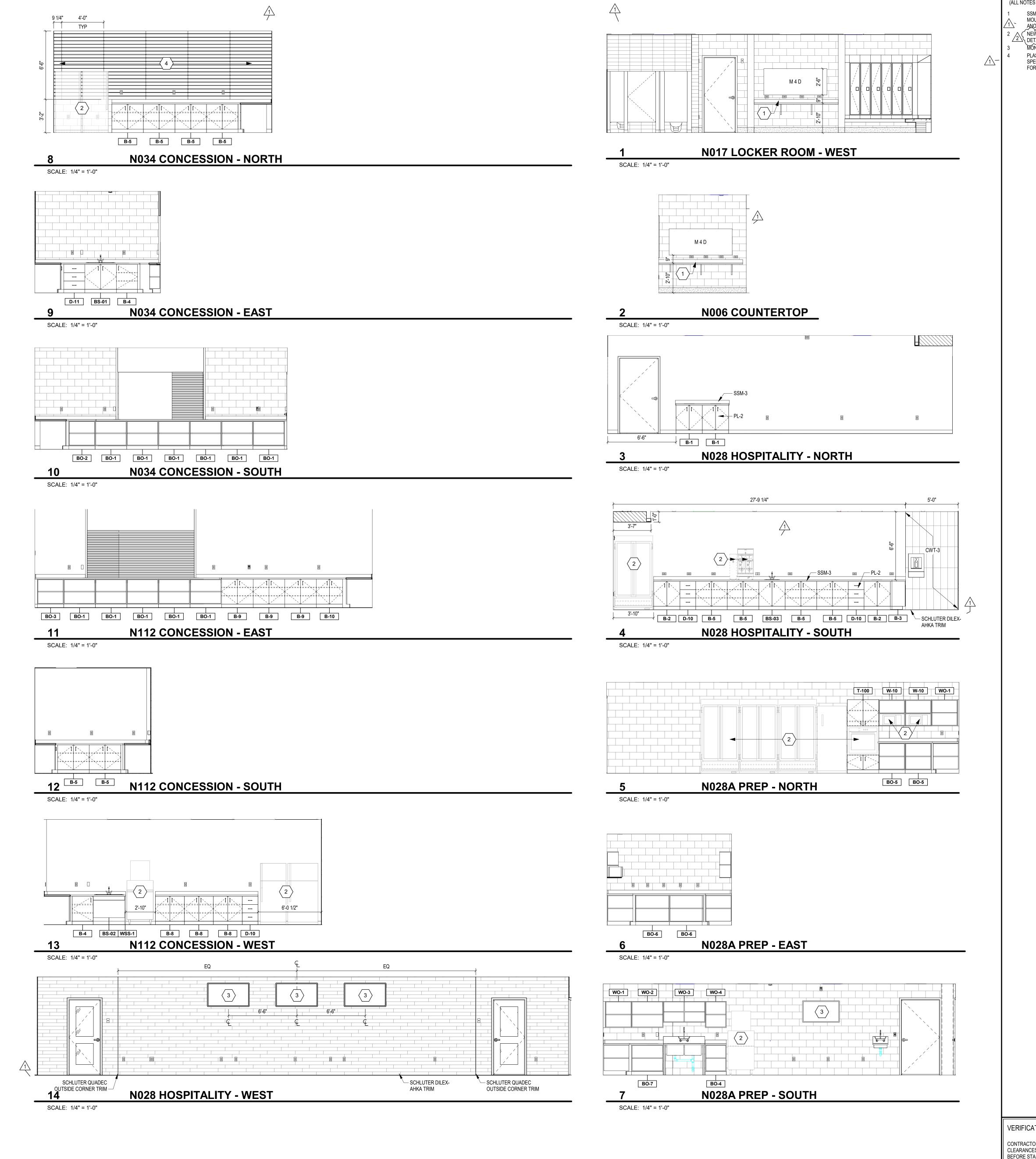
**ENLARGED TOILET ROOM PLANS** 

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

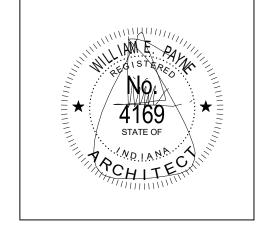


<u>ARCHITECT</u>



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

REV.

NO. $\triangle$	DESCRIPTION	DATE
1	ADDENDUM #1	01.25.2022
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

**CASEWORK & EQUIPMENT ELEVATIONS** 

	APPLIANCE SCHEDU	JLE	
ITEM NO.	APPLIANCES TO BE PURCHASED & INSTALLED BY CONTRACTOR  2 ITEM DESCRIPTION	ELEC. FIELD CONNECTION	PLUMB. FIELD CONNECTION
(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	
(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	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	CATIO	ONAL	CASEWORK SCHEDULE
	SIZE				
TYPE	NO.	<u> </u>		Н	CASEWORK DESCRIPTION
	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
3	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.
<u>-</u> 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.
<u></u> В	9	3'-0"	2'-0"	2'-10"	BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS.
 3	10	2'-6"	2'-0"	2'-10"	BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS.
30 30	1	3'-0"	1'-1"	2'-10"	OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF.
30	2	2'-6"	2'-0"	2'-10"	OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF.
30	3	2'-6"	1'-1"	2'-10"	OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF.
30	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.
30	6	3'-3"	2'-6"	3'-0"	OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF.
30	7	3'-0"	2'-6"	3'-0"	OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF.
3S	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.
3S	03	2'-6"	2'-6"	2'-10"	BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS.
)	10	1'-6"	2'-6"	2'-10"	DRAWER UNIT WITH THREE EQUAL DRAWERS. 6-1/2 INCHES DEEP INSIDE.
)	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"	
T	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.
ΓΟ	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.
NO	2	3'-0"	1'-2"	2'-6"	OPEN WALL UNIT WITH ONE ADJUSTABLE SHELF.
NO	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

### FIXED SEATING

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			

MATERIAL ABBREVIATION

PTC-1 (GROUP RR)

**ROLLER WINDOW SHADES** 

MATERIAL/MANUFACTURER

REFER TO SPECIFICATIONS

**COLOR SELECTION** 

TO BE SELECTED

### SHOWER CURTAINS

### SOLID POLYMER TOILET COMPARTMENTS

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

### SOLID SURFACE MATERIAL

REFER TO SPECIFICATIONS

# EQUIPMENT MATERIAL & FINISH GEN. NOTES

- A. COLOR SELECTION OF ALL FINISHES FOR INTERIOR PLASTIC LAMINATE FACED ARCHITECTURAL CABINETS/CUSTOM CASEWORK ITEMS
- B. EDUCATIONAL CASEWORK FINISHES ARE AS FOLLOWS:
   3MM AND 1MM PVC EDGES ON COUNTERTOPS AND WORKSURFACES ARE TO MATCH COUNTERTOP/WORKSURFACE COLOR
- ALL SOLID SURFACE INTERIOR WINDOW SILLS AS DETAILED ON ARCH. DWGS. TO BE SOLID SURFACE, SSM-2. POOL EQUIPMENT FINISHES TO BE SELECTED.

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		

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
RWS	REFER TO SPECIFICATIONS	TO BE SELECTED

_	MATERIAL ADDICETIATION	MATERIALMIANOTACTORER	OOLON OLLLOTTON	
_	SPTC-1 (LOCKER ROOM RR)	REFER TO SPECIFICATIONS	TO BE SELECTED	
ſ	SOLID SUDEACE MATERIA	٨١		

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	

STANDARD, TO BE SELECTED

- ARE NOTED ON CASEWORK ELEVATIONS AND A7 DRAWINGS.
- 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. 2. OPEN CABINET INTERIORS TO MATCH EXTERIOR COLOR SELECTION.
- HANDLES TO BE SILVER METALLIC POWDERCOAT. HINGES TO BE SILVER METALLIC POWDERCOAT. GROMMET COLOR TO BE SELECTED.

CONSTRUCTION DOCUMENTS

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CARMEL HIGH

NATATORIUM

ADDITION AND

RENOVATIONS

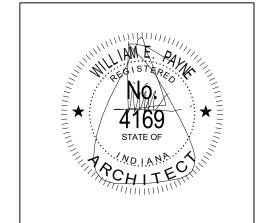
CARMEL CLAY SCHOOLS

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

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SCHOOL

520 E MAIN STREET CARMEL, IN 46032



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

EDUCATIONAL CASEWORK SCHEDULES



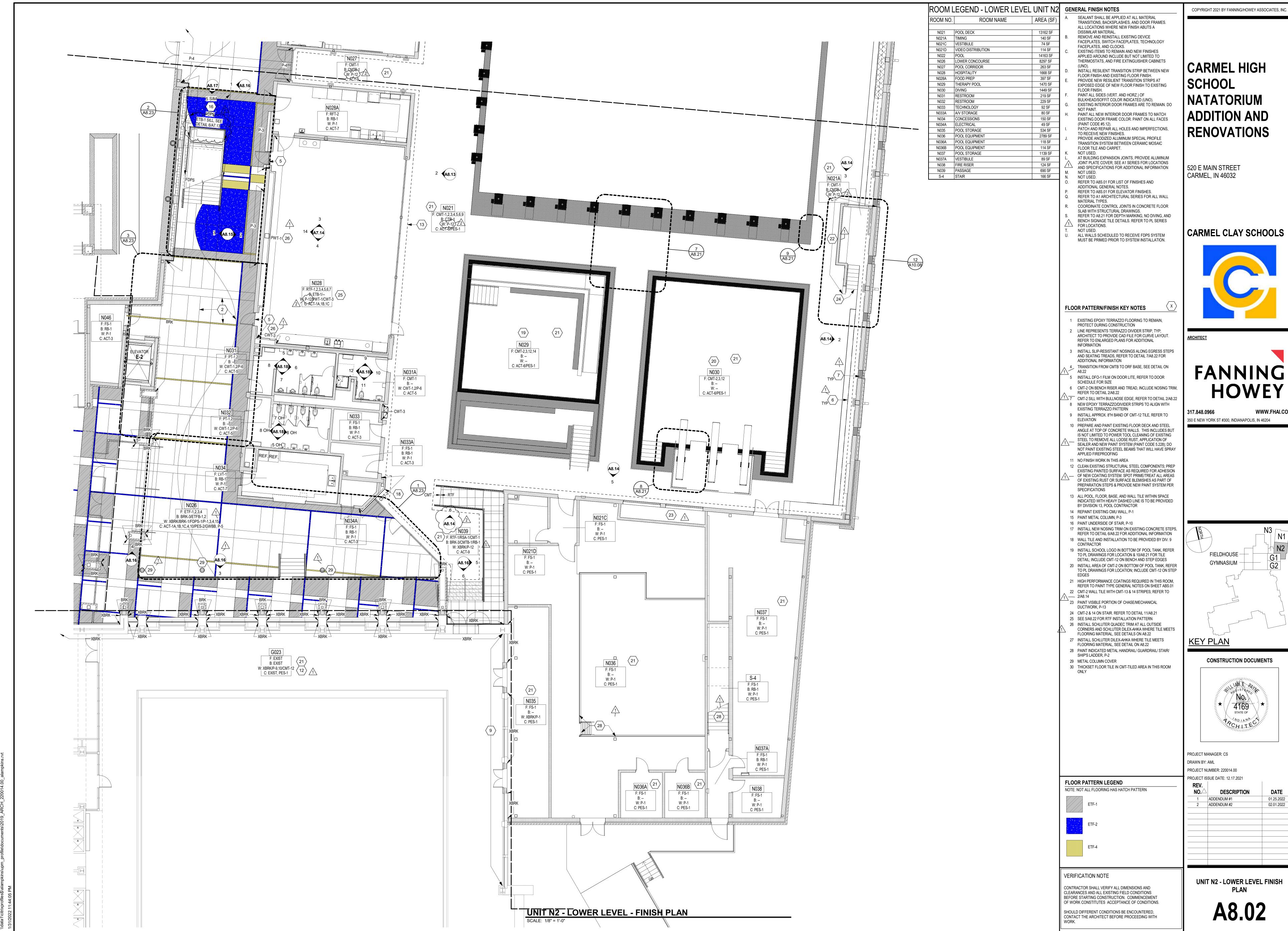
CARMEL HIGH **NATATORIUM ADDITION AND** RENOVATIONS



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01.25.2022

02.01.2022



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C: ACT-2	
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C: ACT-3	_
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F: ECT-1 B: BRK-3 W: BRK/P-1	
W: BRK/P-1 C: ACT-2 BRK	
B: RB-1 W: XBRK/P-14	
C: ACT-2	(
BRK BRK	
	(
	<u> </u>
F: LVI-1 B: RB-1 W: XBRK/P-1 C: ACT-3	_
XBRK DIA KANANA KANA	r-
S-3	l 
BRK_ FDPSi   B:	4
C: BRK	
	_
4 BRK	_
N040    F: ETF-1,2,3   B: BRK-3/ETB-1   R8.16	
W. VPDV/DDV/D 1/EDDS 1	
W: XBRK/BRK/P-1/FDPS-1  LC: ACT-1A,1B,1C  BRK  BRK	
XBRK XBRK	
A8.23	

'-11" | 2'-11" | 4'-8 1/2"

UNIT N3 - LOWER LEVEL - FINISH PLAN

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

B: RB-1 W: XBRK/P-1 C: ACT-3 ROOM LEGEND - LOWER LEVEL UNIT N

COOM LEGEND - LOVVER LEVEL OINT IN			
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	

**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

235 SF

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).

TO RECEIVE NEW FINISHES. PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE TRANSITION SYSTEM BETWEEN CERAMIC MOSAIC FLOOR TILE AND CARPET. NOT USED.

PATCH AND REPAIR ALL HOLES AND IMPERFECTIONS,

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.

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

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

4 TRANSITION FROM CMTB TO DRF BASE, SEE DETAIL ON

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

CARMEL HIGH SCHOOL **NATATORIUM** ADDITION AND

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520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS



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

PREPARATION STEPS & PROVIDE NEW PAINT SYSTEM PER SPECIFICATIONS 13 ALL POOL, FLOOR, BASE, AND WALL TILE WITHIN SPACE INDICATED WITH HEAVY DASHED LINE IS TO BE PROVIDED BY DIVISION 13, POOL CONTRACTOR

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

14 REPAINT EXISTING CMU WALL, P-1 15 PAINT METAL COLUMN, P-3

16 PAINT UNDERSIDE OF STAIR, P-10 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 CONTRACTOR 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

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

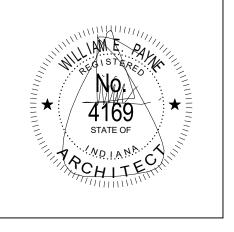
21 HIGH PERFORMANCE COATINGS REQUIRED IN THIS ROOM, REFER TO PAINT TYPE GENERAL NOTES ON SHEET ABS.01 22 CMT-2 WALL TILE WITH CMT-13 & 14 STRIPES; REFER TO

23 PAINT VISIBLE PORTION OF CHASE/MECHANICAL DUCTWORK, P-13 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 CORNERS AND SCHLUTER DILEX-AHKA WHERE TILE MEETS 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/ SHIP'S LADDER, P-2 29 METAL COLUMN COVER 30 THICKSET FLOOR TILE IN CMT-TILED AREA IN THIS ROOM FIELDHOUSE -GYMNASIUM -

CONSTRUCTION DOCUMENTS



DATE

02.01.2022

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

REV.

PROJECT ISSUE DATE: 12.17.2021

FLOOR PATTERN LEGEND NOTE: NOT ALL FLOORING HAS HATCH PATTERN

ETF-4

NO. DESCRIPTION 2 ADDENDUM #2

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.

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.

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

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

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

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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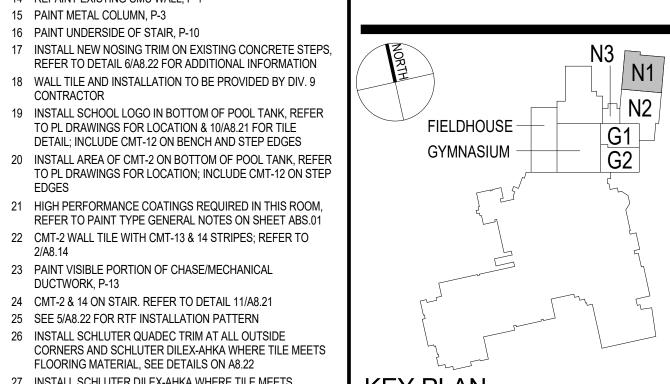
520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS

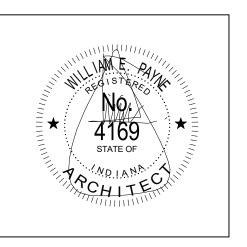


<u>ARCHITECT</u>

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CONSTRUCTION DOCUMENTS



PROJECT MANAGER: CS DRAWN BY: AML

REV.

PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

2 ADDENDUM #2

NO. DESCRIPTION

FLOOR PATTERN LEGEND NOTE: NOT ALL FLOORING HAS HATCH PATTERN ETF-1

VERIFICATION NOTE

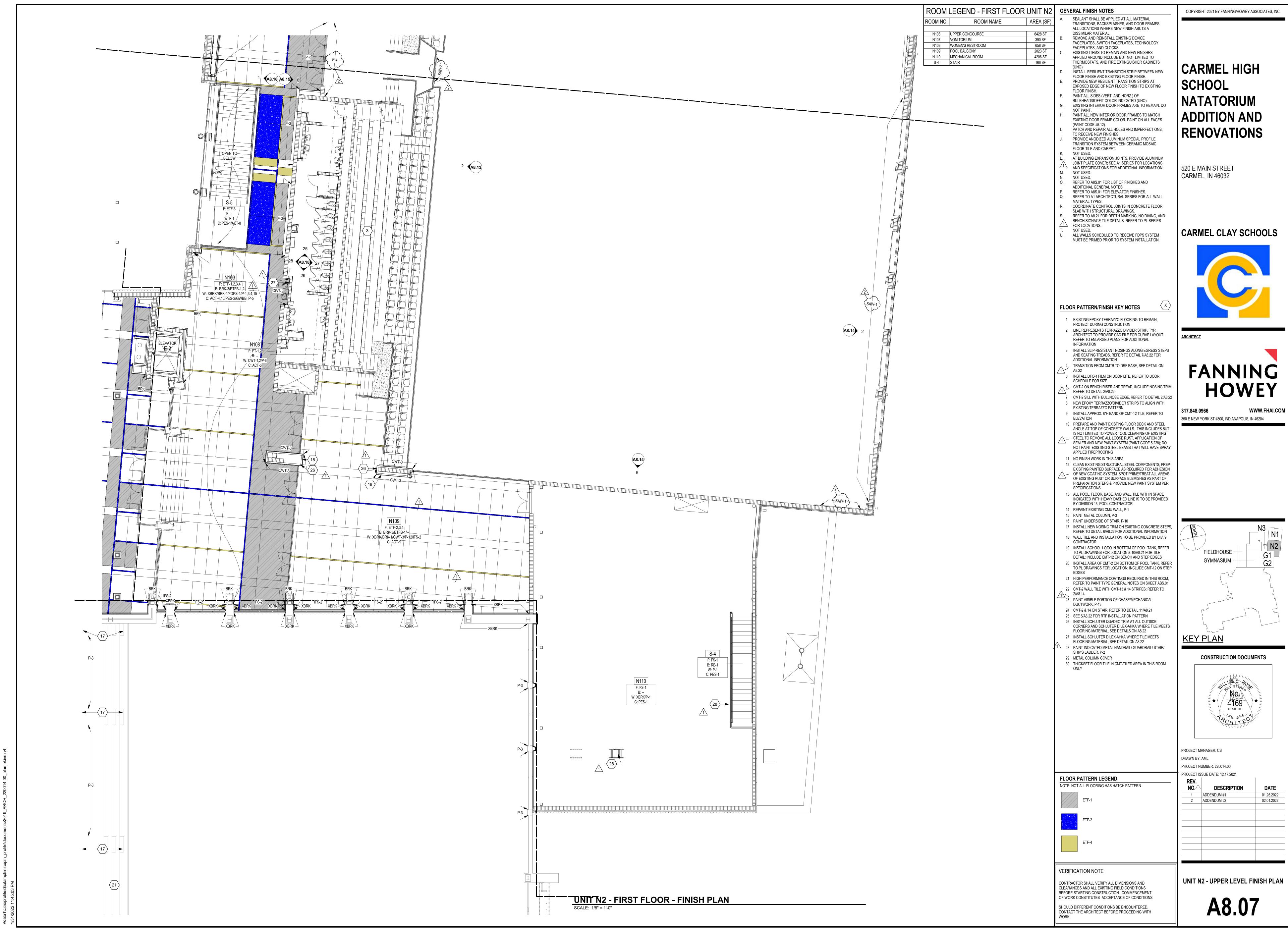
ETF-4

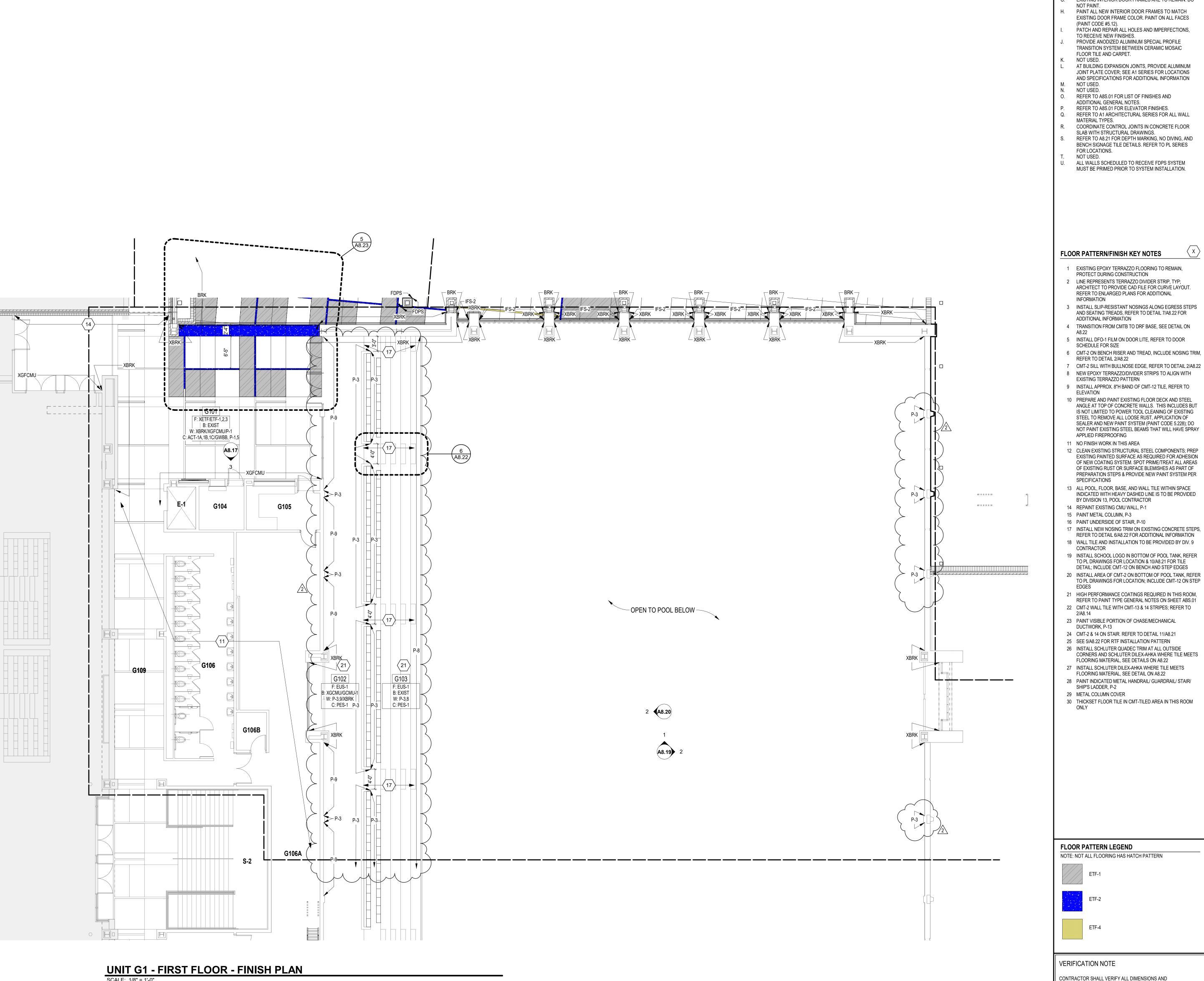
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

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

DATE

A8.06





**GENERAL FINISH NOTES** 

1590 SF

1669 SF

2418 SF

130 SF

46 SF

1668 SF

**ROOM NAME** 

ROOM NO.

E-1 ELEVATOR
G101 LOBBY
G102 SEATING CROSS AISLE
G103 POOL SEATING

G106 WOMEN'S RESTROOM

G104 TICKETS

G105 CONCESSIONS

G106A MECHANICAL

G106B TECHNOLOGY G109 CORRIDOR

ROOM LEGEND - FIRST FLOOR UNIT G SEALANT SHALL BE APPLIED AT ALL MATERIAL AREA (SF 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 FLOOR FINISH AND EXISTING FLOOR FINISH.

INSTALL RESILIENT TRANSITION STRIP BETWEEN NEW 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).

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 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

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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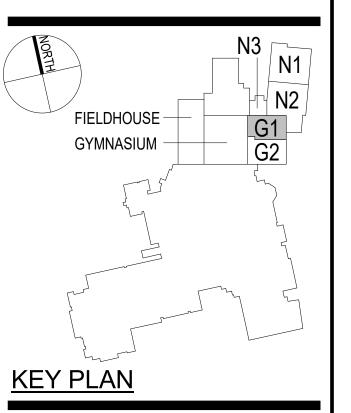
CARMEL CLAY SCHOOLS



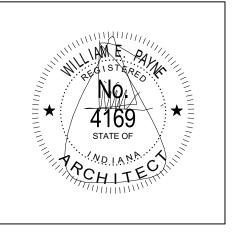
<u>ARCHITECT</u>



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

NO. DESCRIPTION

2 ADDENDUM #2

REV.

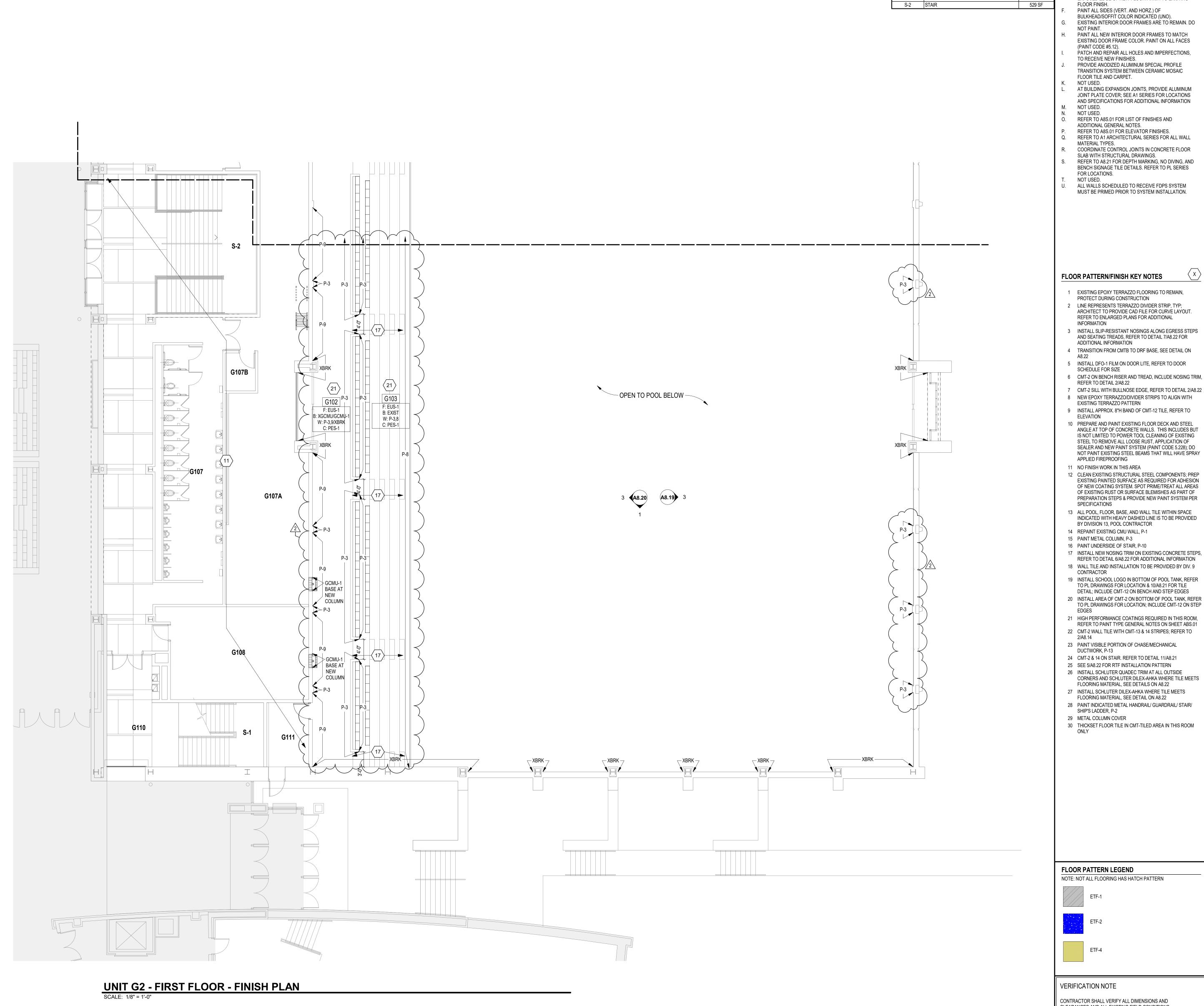
PROJECT ISSUE DATE: 12.17.2021 FLOOR PATTERN LEGEND NOTE: NOT ALL FLOORING HAS HATCH PATTERN ETF-1 ETF-4

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 G1 - UPPER LEVEL FINISH PLAN** 



**GENERAL FINISH NOTES** 

2418 SF

691 SF

1668 SF

281 SF

108 SF

231 SF

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** 

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

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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

(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. 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.

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 CLAY SCHOOLS

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CARMEL HIGH

**NATATORIUM** 

**ADDITION AND** 

RENOVATIONS

SCHOOL

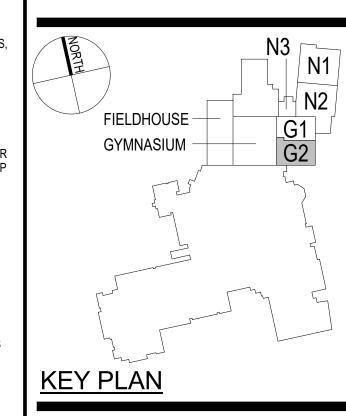
520 E MAIN STREET

CARMEL, IN 46032

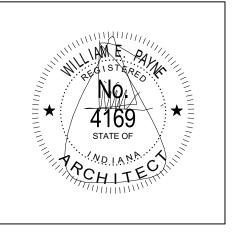




WWW.FHAI.COM 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204



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 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

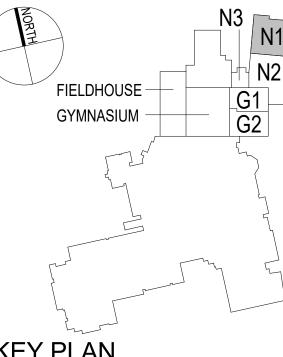
A8.10

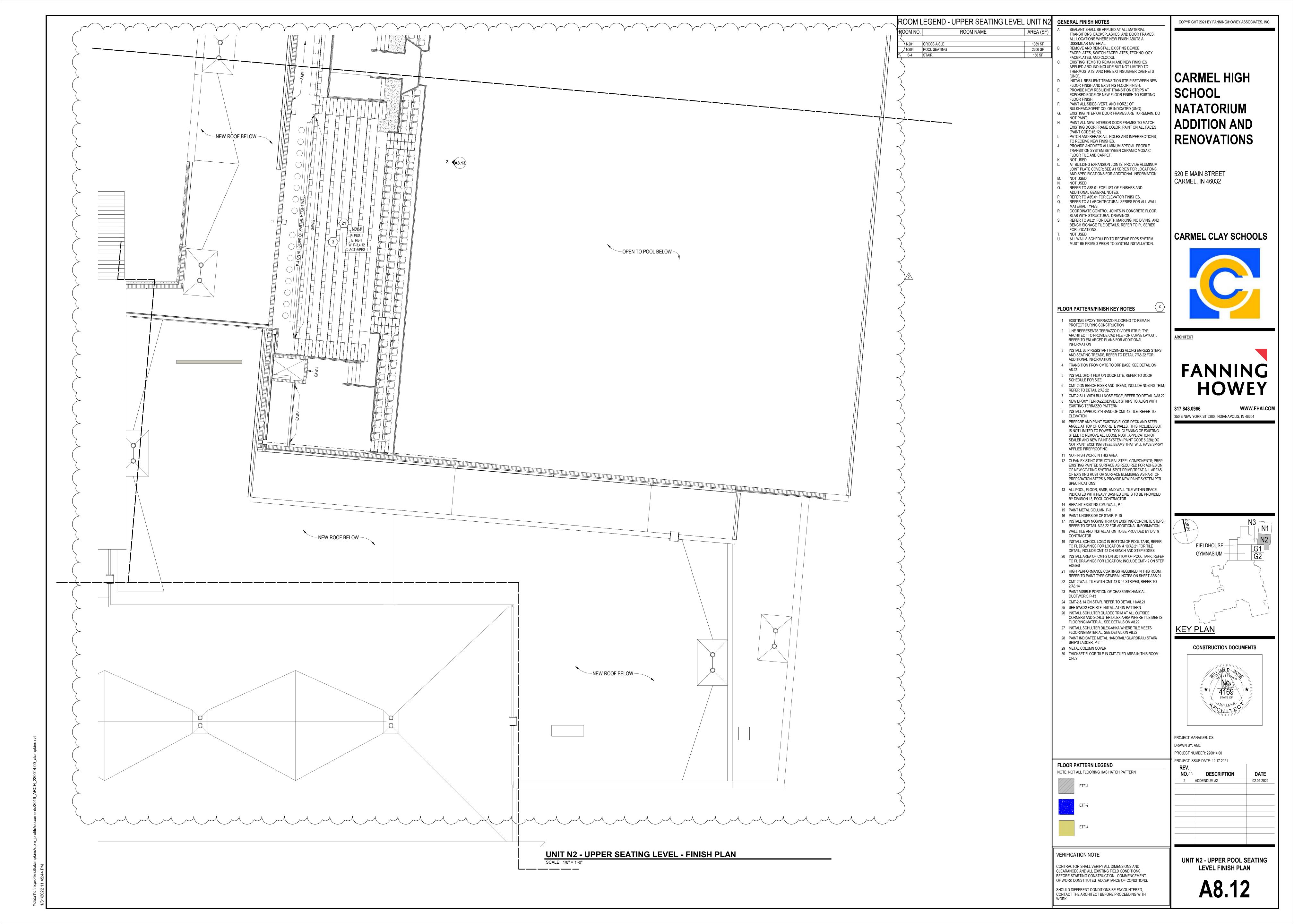
**UNIT G2 - UPPER LEVEL FINISH PLAN** 

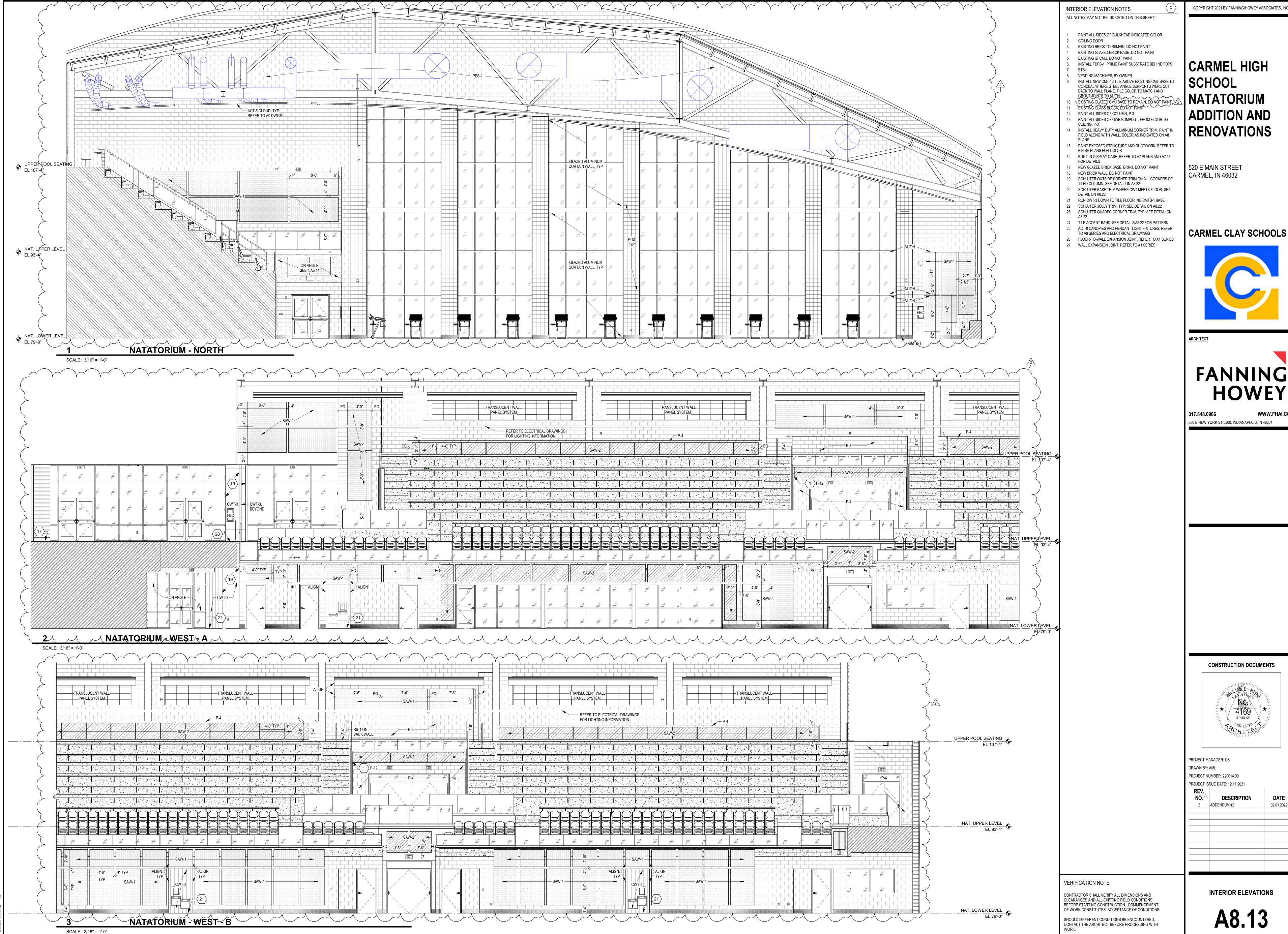




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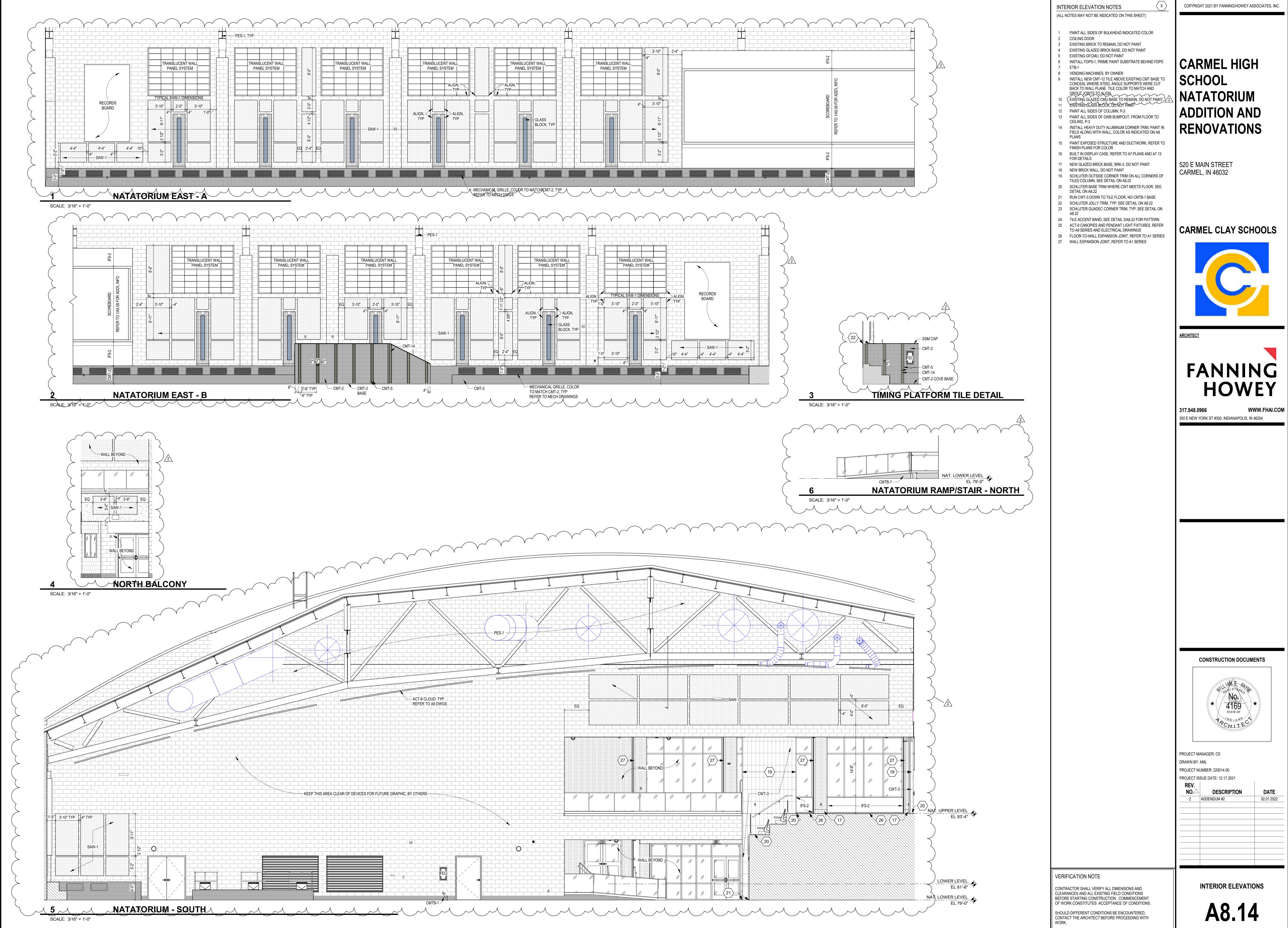


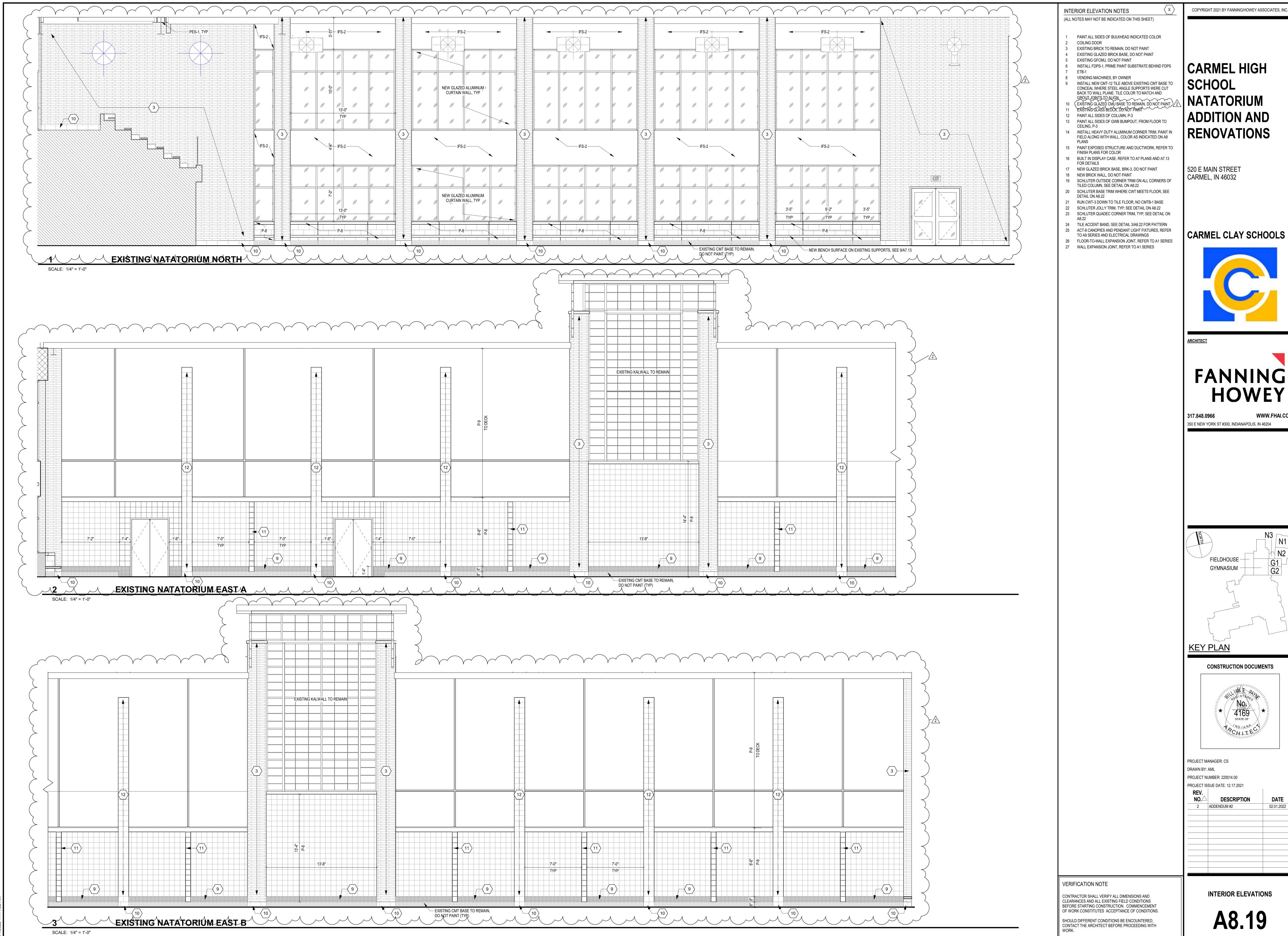






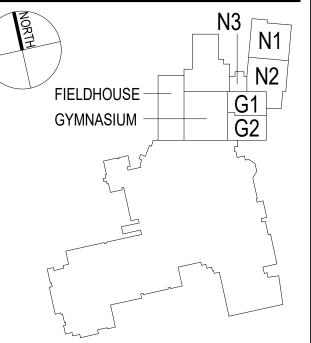
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2	ADDENDUM #2	02.01.20

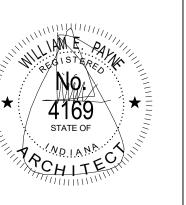




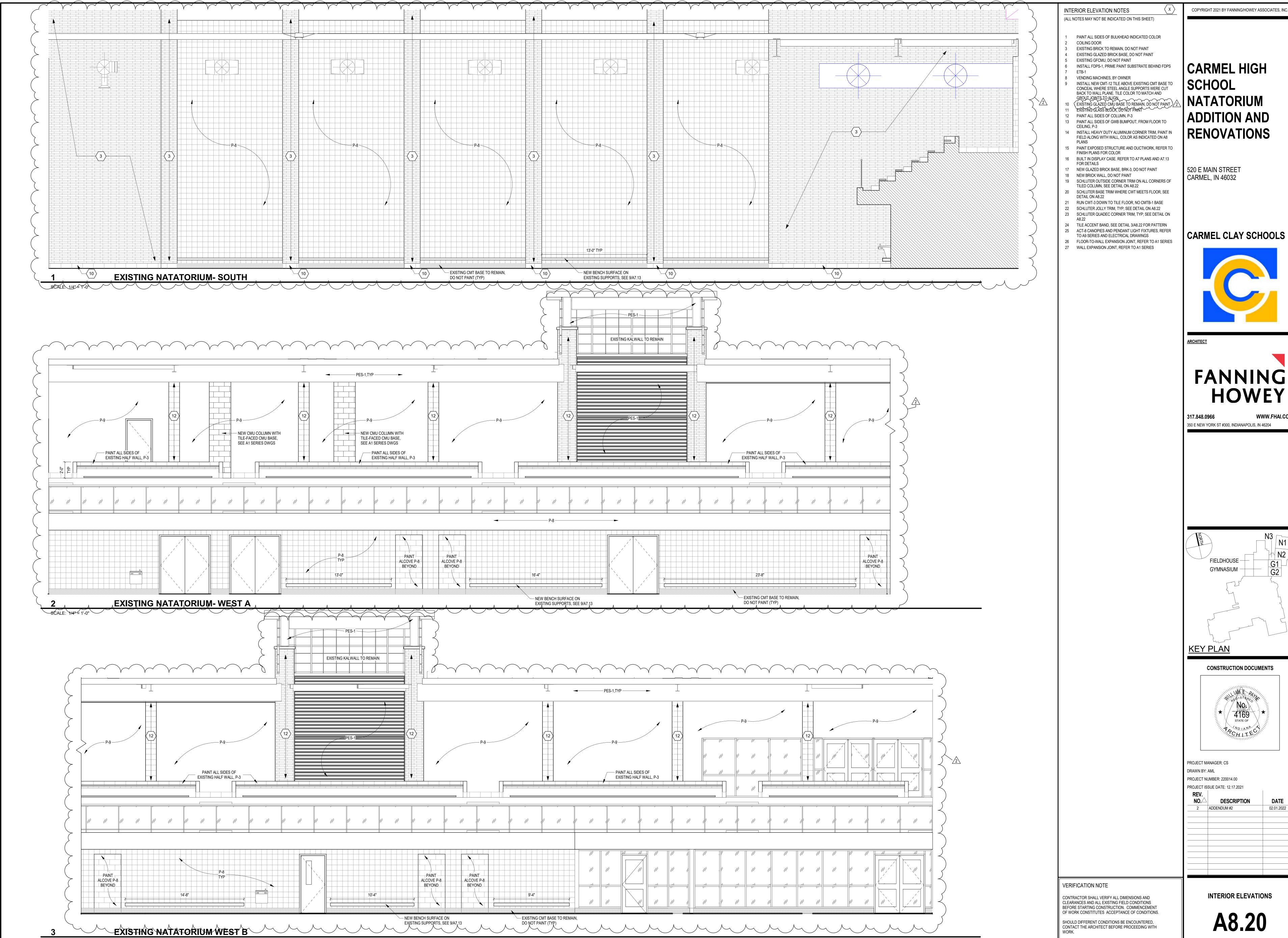


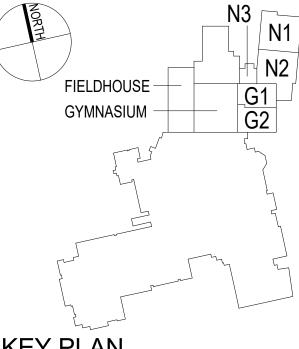






	2	ADDENDUM #2	
		ADDLINDOW #2	02.01.20
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ALL CARPET BACKING TO HAVE A MOISTURE RESISTANT BARRIER. INSTALLATION METHOD TO BE ASHLAR.

**CERAMIC MOSAIC TILE COLOR SELECTION** MATERIAL ABBREVIATION MATERIAL/MANUFACTURER CMT-1 (POOL DECK BLEND) DALTILE "KEYSTONES" 45% MOONSHINE D117 / 2"X2" DALTILE "KEYSTONES" 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" AMERICAN OLEAN "UNGLAZED COLORBODY MATCH DALTILE BLEND CMT-2 (BENCH/NUMBERS) DALTILE "KEYSTONES" GALAXY D023 / 2"X2" AMERICAN OLEAN "UNGLAZED COLORBODY SAPPHIRE SKY R08 / 2"X2" CMT-3 (POOL/BORDER) DALTILE "KEYSTONES" MOONSHINE D117 / 1"X1" ICE WHITE A25 / 1"X1" AMERICAN OLEAN "UNGLAZED COLORBOD` CMT-4 (DEPTH MARKINGS) DALTILE "KEYSTONES" GALAXY D023, ABRASIVE / 1"X1" AMERICAN OLEAN "UNGLAZED COLORBOD` SAPPHIRE SKY R08, ABRASIVE / 1"X1" SUEDE GRAY SPECKLE D208 / 2"X1" CMT-5 (POOL BORDER ACCENT DALTILE "KEYSTONES" STORM GRAY SPECKLED A06 / 2"X1" AMERICAN OLEAN "UNGLAZED COLORBODY CMT-6 (POOL BORDER ACCENT DALTILE "KEYSTONES" SUNSHINE D620 / 1"X1" BLACK D311 / 2"X2" CMT-7 (POOL LANE LINES) DALTILE "KEYSTONES" 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" TO BE SELECTED / 2"X2" AMERICAN OLEAN "UNGLAZED COLORBOD` 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) SUEDE GRAY SPECKLE D208 / 2"X2" DALTILE "KEYSTONES" 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** TO MATCH EXISTING LOWER LEVEL GENERAL POLYMERS CERAMIC CARPET KEY RESIN COMPANY UNIT G LOCKER ROOMS DUR-A-FLEX INC.

**ENTRANCE CARPET TILE** 

MATERIAL/MANUFACTURER COLOR SELECTION MATERIAL ABBREVIATION INTERFACE - SR899 104931 GRANITE **EPOXY TERRAZZO FLOORING** 

MATERIAL ABBREVIATION MATERIAL/MANUFACTURER 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

**COLOR SELECTION** 

MATRIX: TERROXY - COSMIC NAVY 76A-1A

MATRIX: TERROXY - GOURMET MUSTARD

33% GEORGIA WHITE #0

MATRIX: GP - 654 WHITE

100% CLEAR GLASS #1

**COLOR SELECTION** 

**COLOR SELECTION** 

COLOR SELECTION / SIZE

TO BE SELECTED / 24"X24"

COLOR SELECTION

VISUALLY IMPAIRED GRIT TAPE INSERT

JOHNSONITE / ANGLE FIT STAIR TREADS VIHNTR / COLOR TO BE SELECTED / HAMMERED TEXTURE

CLEAR

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

ETF-3 (WHITE) REFER TO SPECIFICATIONS ETF-4 (GOLD) 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

**FLOOR SEALER** MATERIAL ABBREVIATION

REFER TO SPECIFICATIONS CLEAR FLUID APPLIED EPOXY/URETHANE FLOORING

MATERIAL/MANUFACTURER

MATERIAL ABBREVIATION MATERIAL/MANUFACTURER EUS-1 REFER TO SPECIFICATIONS

**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** MODERN LINEAR TAUPE ML62 (12"X24") DALTILE / FABRIC ART DALTILE / FABRIC ART MODERN TEXTILE TAUPE MT52 (12"X24")

RUBBER FLOOR TILE MATERIAL ABBREVIATION MATERIAL/MANUFACTURER JOHNSONITE / MESTO CONFIGURATIONS TO BE SELECTED / 12"X24" JOHNSONITE / MESTO CONFIGURATIONS RFT-3

JOHNSONITE / MESTO CONFIGURATIONS TO BE SELECTED / 12"X24" RFT-4 JOHNSONITE / MESTO CONFIGURATIONS TO BE SELECTED / 24"X24" JOHNSONITE / MESTO CONFIGURATIONS TO BE SELECTED / 12"X12" RFT-6 JOHNSONITE / MESTO CONFIGURATIONS TO BE SELECTED / 12"X24" JOHNSONITE / MESTO CONFIGURATIONS TO BE SELECTED / 12"X12" RESILIENT STAIR ACCESSORIES

MATERIAL/MANUFACTURER

WITH INTEGRATED RISER

**VINYL CUSHIONED TUFTED TILE** 

MATERIAL ABBREVIATION

MATERIAL/MANUFACTURER **COLOR SELECTION** MATERIAL ABBREVIATION 142014 MARINE / 10"X40" BASE MATERIALS

**GLAZED BRICK BASE** 8"H BRICK BASE (3 BRICKS HIGH MATERIAL ABBREVIATION MATERIAL/MANUFACTURER **COLOR SELECTION** GLEN-GERY BRICK G437 PEWTER GRAY / MODULAR **CERAMIC MOSAIC TILE BASE** 8"H COVE BAS MATERIAL ABBREVIATION MATERIAL/MANUFACTURER **COLOR SELECTION** 

CMTB-1 **DALTILE "KEYSTONES"** DESERT GRAY D014 / 2"X2" AMERICAN OLEAN "UNGLAZED COLORBODY" LIGHT SMOKE A43 / 2"X2" SUEDE GRAY SPECKLE D208 / 2"X2" **DALTILE "KEYSTONES"** 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/MANUFACTURER **COLOR SELECTION** MATERIAL ABBREVIATION ETB-1 (WHITE) REFER TO SPECIFICATIONS MATCH ETF-3 ETB-2 (BLUE) REFER TO SPECIFICATIONS MATCH ETF-2 **RESILIENT BASE** 4"H COVE BASE

**COLOR SELECTION** 

RB-1 **JOHNSONITE** TO BE SELECTED TO BE SELECTED **FLEXCO** ROPPE TO BE SELECTED MANNINGTON TO BE SELECTED **DECORATIVE RESINOUS FLOORING BASE** 6"H INTEGRAL BAS MATERIAL ABBREVIATION MATERIAL/MANUFACTURER **COLOR SELECTION** MATCH DREAFLOORING

**GLAZED CONCRETE MASONRY UNIT COLOR SELECTION** MATERIAL ABBREVIATION MATERIAL/MANUFACTURER MATCH EXIŞTING

MATERIAL/MANUFACTURER

**WALL FINISHES** 

P-14 (OFFICES)

P-15 (ABOVE FDPS)

MATERIAL ABBREVIATION

**BRICK** MATERIAL ABBREVIATION MATERIAL/MANUFACTURER **COLOR SELECTION** BRK-1 (INT./EXT.) MATCH EXISTING MATCH EXISTING BRK-2 (EXT. ONLY) TO BE SELECTED TO BE SELECTED **CERAMIC WALL TILE** MATERIAL ABBREVIATION MATERIAL/MANUFACTURER **COLOR SELECTION** 

K175 BISCUIT (4.25" X 12.875") DALTILE / COLOR WHEEL LINEAR 1174 SEA BREEZE (4.25" X 12.875") CWT-2 DALTILE / COLOR WHEEL LINEAR CWT-3 DALTILE / COLOR WHEEL LINEAR 1174 SEA BREEZE (8" X 24") CWT-4 DALTILE / COLOR WHEEL LINEAR 1012 MUSTARD (4.25" X 12.875") • PROVIDE METAL COVE TRIM AT FLOOR TO WALL AND INSIDE CORNER WALL TO WALL TRANSITIONS, TYPICAL UNLESS NOTED OTHERWISE.

FRAMED DECORATIVE PANEL SYSTEM MATERIAL ABBREVIATION MATERIAL/MANUFACTURER **COLOR SELECTION** MARLITE / SIEVA LARGE PANEL SYSTEM WILSONART SATIN STAINLESS 4830K-18 LINEARITY FINISH FDPS-1 NEVAMAR SILVER ALU METALX TEXTURED MXT003T ARBORITE BRUSHED ALUMINUM P623 MX

**PAINT** MATERIAL ABBREVIATION MATERIAL/MANUFACTURER **COLOR SELECTION** P-1 (FIELD) BENJAMIN MOORE BM 855 CLOUD COVER P-2 (DOOR FRAMES) SHERWIN WILLIAMS SW7069 IRON ORE BM 2064-20 PATRIOT BLUE P-3 (CARMEL BLUE) BENJAMIN MOORE P-4 (CARMEL GOLD) SHERWIN WILLIAMS TO BE SELECTED P-5 (CEILINGS-LIGHT SHERWIN WILLIAMS TO BE SELECTED P-6 (RESTROOM) PPG1000-2 ROCKY ROAD / P-7 (NEUTRAL ACCENT SHERWIN WILLIAMS TO BE SELECTED P-8 (EXIST NATATORIUM) SHERWIN WILLIAMS TO BE SELECTED P-9 (EXIST NATATORIUM) SHERWIN WILLIAMS TO BE SELECTED P-10 (DISPLAY CASE) SHERWIN WILLIAMS TO BE SELECTED P-11 (STAIRS) SHERWIN WILLIAMS TO BE SELECTED P-12 (NATATÓRIUM) TO BE SELECTED SHERWIN WILLIAMS P-13 (CHASE) SHERWIN WILLIAMS SW6258 TRICORN BLACK

PORCELAIN WALL TILE MATERIAL ABBREVIATION MATERIAL/MANUFACTURER **COLOR SELECTION** NATURALE RETT / 7-7/8" X 47-1/4" VIVA "300" **SOUND ABSORBING WALL UNITS** 

SW9166 DRIFT OF MIST

TO BE SELECTED

**COLOR SELECTION** MATERIAL ABBREVIATION MATERIAL/MANUFACTURER GORDON "PATTERN C BAFFLE/PERFORATED" TO BE SELECTED / 2" THICK SAW-2 GORDON "PATTERN C BAFFLE/PERFORATED" TO BE SELECTED / 2" THICK **INTERIOR FINISH SYSTEM** 

SHERWIN WILLIAMS

SHERWIN WILLIAMS

MATERIAL/MANUFACTURER **COLOR SELECTION** MATERIAL ABBREVIATION IFS-2 TO BE SELECTED FROM MANUFACTURER'S REFER TO SPECIFICATIONS 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 ARCHITECT TO SELECT FROM GT-1 (CMT) LATICRETE MAPEI 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 MAPEI MANUFACTURER'S FULL RANGE OF STANDARD AND DESIGNER COLORS GT-4 (PWT) LATICRETE ARCHITECT TO SELECT FROM MANUFACTURER'S FULL RANGE MAPEI OF STANDARD AND DESIGNER COLORS GT-5 (POOL) ARCHITECT TO SELECT FROM LATICRETE MANUFACTURER'S FULL RANGE MAPEI OF STANDARD AND DESIGNER COLORS

RESILIENT MOLDING ACCESSORIES

8"H NOMINAL

MATERIAL ABBREVIATION MATERIAL/MANUFACTURER COLOR SELECTION TO BE SELECTED **JOHNSONITE** FLEXCO TO BE SELECTED ROPPE TO BE SELECTED MANNINGTON TO BE SELECTED

# **CEILING MATERIALS**

COLOR SELECTION MATERIAL ABBREVIATION MATERIAL/MANUFACTURER ACT-1A (LOBBY) ARMSTRONG / TORSION SPRING SHAPES STANDARD. TO BE SELECTED #8216R01M1XXX FLAT SQUARE, M21 PERFORATION ACT-1B (LOBBY) STANDARD, TO BE SELECTED ARMSTRONG / TORSION SPRING SHAPES #8219T01M1XXX 45 DEGREE TRIANGLE 01, M21 PERFORATION ACT-1C (LOBBY) ARMSTRONG / TORSION SPRING SHAPES STANDARD. TO BE SELECTED 45 DEGREE TRIANGLE 02, M21 PERFORATION #8219T02M1XXX 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" INCLUDE 7147 EXTRUDED PERIMETER TRIM M15 PERFORATION ACT-5 (RESTROOM) ARMSTRONG / TUNDRA 301 WHITE / 24" X 24" ACT-6 (NATATORIUM) CERTAINTEED / 300C LINEAR PLANK STANDARD POWDER-COAT PAINT COLOR INCLUDE ACQUSTICAL POLYWRAPPED FIBERGLASS
(INCLUDE 4"H PERIMETER TRIM)
2
WHITE 724 X 24 PATTERN #160 PERFORATION ARMSTRONG / KITCHEN ZONE 673 ACT-7 (CONCESSION) ONE SHAPE TO BE VARIA SOLID COLOR (TRANSLUCENT) ACT-8 (ACCENT CANOPIES) 3-FORM / SHAPES / ALTA ONE SHAPE TO BE VARIA COLORWEAVE/INTERLAYER PÁTTERN RTA 400.12 - INCLUDES MOUNTING HARDWARE ACT-9 (NATATORIUM) ARMSTRONG / CERAMAGUARD FINE FISSURED 607 WHITE / 24" X 24" WHITE / 24" X 24" / INCLUDE 4"H AXIOM PERIMETER TRIM ACT-10 (CORRIDOR CLOUDS) ARMSTRONG / OPTIMA 3354

MATERIAL ABBREVIATION

**PAINT EXPOSED STRUCTURE** 

MATERIAL/MANUFACTURER **COLOR SELECTION** TO BE SELECTED REFER TO SPECIFICATIONS PES-2 REFER TO SPECIFICATIONS TO BE SELECTED

**INTERIOR FINISH SYSTEM** 

**COLOR SELECTION** MATERIAL/MANUFACTURER MATERIAL ABBREVIATION REFER TO SPECIFICATIONS TO BE SELECTED FROM MANUFACTURER'S

STANDARD COLORS

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

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.

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

CHANGES FROM ROOM TO ROOM

15m LANE MARKINGS (TURN): CMT-1 STEP EDGE MARKINGS: CMT-12

FIELD TILE INSIDE THERAPY POOL TO BE CMT-3. ADDITIONAL COLORS AS FOLLOWS: 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

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

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. 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: NO21, NO21A, NO21A, NO22, NO27, N029, N030, N035, N036, N036A, N036B, N037, N039, N102, N104, N107, N109, N201, N202, N203, N204, G023, G024, G102, AND G103.

ALL EXPOSED INTERIOR STEEL COLUMNS SHALL BE PAINTED TO MATCH ADJACENT WALL COLOR, UNLESS OTHERWISE INDICATED ON INTERIOR ELEVATIONS OR FINISH PLANS.

### 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.

| CARMEL HIGH

SCHOOL NATATORIUM **ADDITION AND RENOVATIONS** 

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CARMEL CLAY SCHOOLS

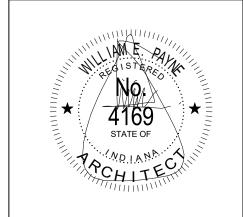


**ARCHITECT** 



WWW.FHAI.COM 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

NO. $\triangle$	DESCRIPTION	DATE
1	ADDENDUM #1	01.25.2022
2	ADDENDUM #2	02.01.2022

LIST OF FINISHES

ROOM L	LEGEND - LOWER LEVEL	. 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

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

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

**DESCRIPTION** 

INTERIOR FINISH SYSTEM (I.F.S.), REFER TO WALL SECTION.

CURVED METAL ROOF DECK AT CANOPY, REFER TO ROOF

PLASTIC LAMINATE PANEL SYSTEM, REFER TO 6-A10.01.

EXISTING GWB BULKHEAD/CEILING TO REMAIN (UNO). RE-PAINT CEILING, COLOR AS INDICATED ON FINISH PLANS

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

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

GWB BULKHEAD, REFER TO 1-A10.05.

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

BULKHEAD AT THIS LOCATION.

GWB BULKHEAD, REFER TO 5-A9.13.

GWB BULKHEAD, REFER TO 6-A9.13. GWB BULKHEAD, REFER TO 7-A9.13.

GWB BULKHEAD, REFER TO 9-A9.13. OPEN TO STRUCTURE ABOVE.

GWB BULKHEAD, REFER TO 2-A10.01.

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.

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

PLAN AND WALL SECTIONS.

THIS LOCATION.

CARMEL HIGH SCHOOL NATATORIUM EDGE OF CEILING CLOUD TO ALIGN WITH FACE OF GWB **ADDITION AND** FACE OF GWB BULKHEAD TO ALIGN WITH FACE OF WALL A RENOVATIONS

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520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS



<u>ARCHITECT</u>

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

MECHANICAL DIFFUSER - REFER TO MECHANICAL MECHANICAL RETURN AIR GRILLE - REFER TO MECHANICAL DRAWINGS

CLOCK - REFER TO TECHNOLOGY DRAWINGS

CEILING MOUNTED MECHANICAL UNIT - REFER TO MECHANICAL 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

FIRE ALARM SMOKE DETECTOR OCCUPANCY SENSOR

> ACOUSTICAL CEILING TILE (ACT) ACOUSTICAL CEILING TILE (ACT)

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

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

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

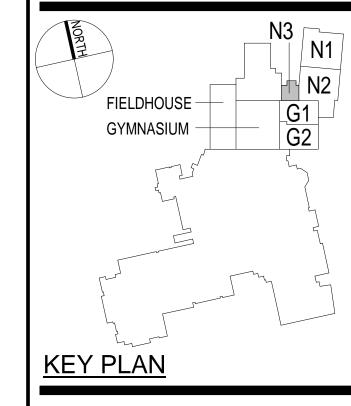
ACT (TYPE 1C) TORSION SPRING SHAPES (3D TRIANGLE), DARK GRAY HATCH ACT (TYPE 4) TORSION SPRING

ACT (TYPE 6) LINEAR PLANK

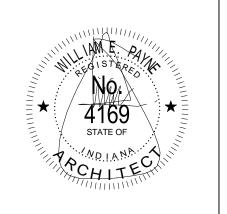
METAL COMPOSITE MATERIAL (MCM) PANEL PLASTIC LAMINATE PANEL SYSTEM (FDPS)

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



CONSTRUCTION DOCUMENTS

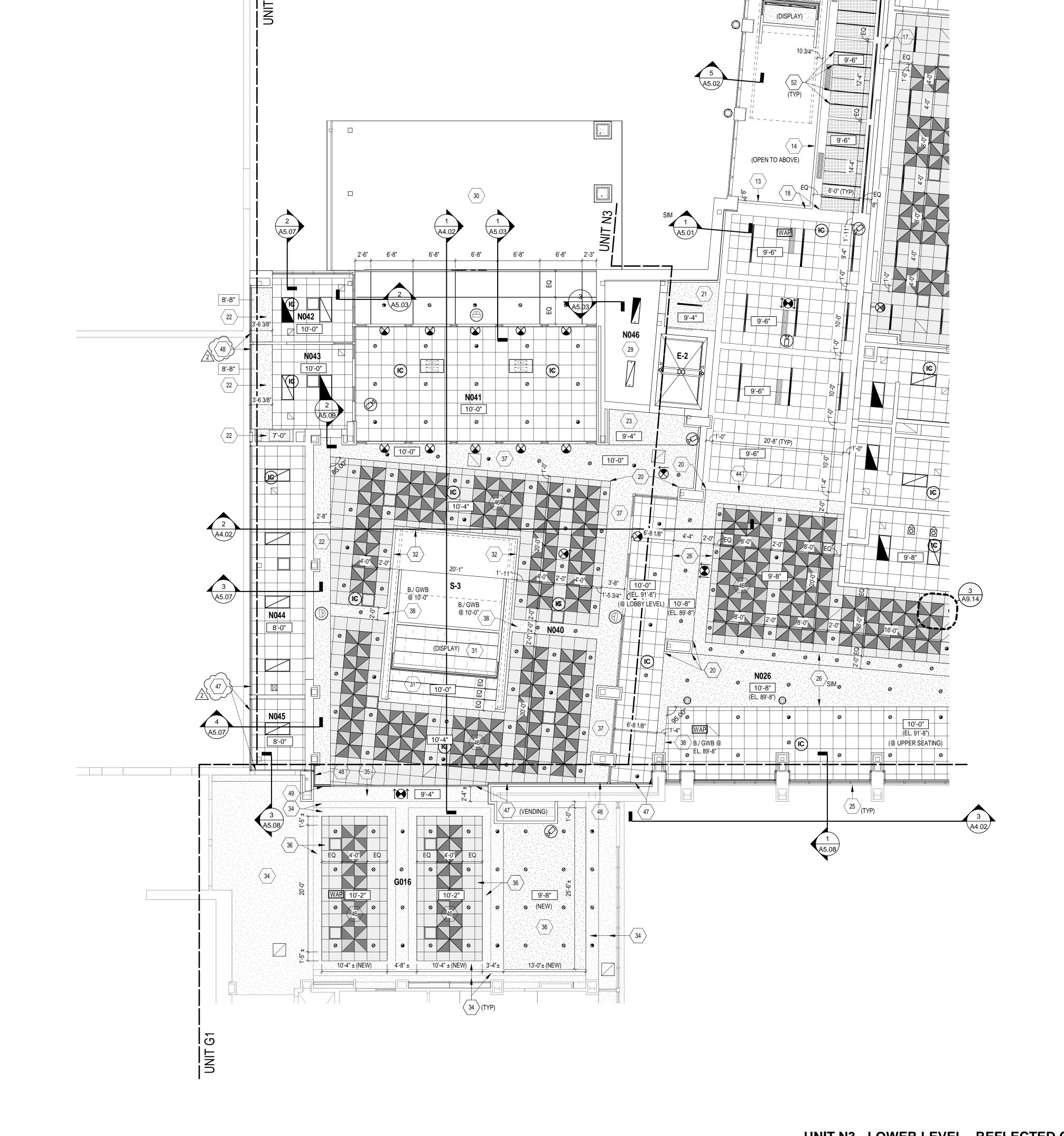


PROJECT MANAGER: CS DRAWN BY: KT PROJECT NUMBER: 220014.00

PROJECT ISSUE DATE: 12.17.2021

NO. DESCRIPTION DATE 2 ADDENDUM #2 02.01.2022

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



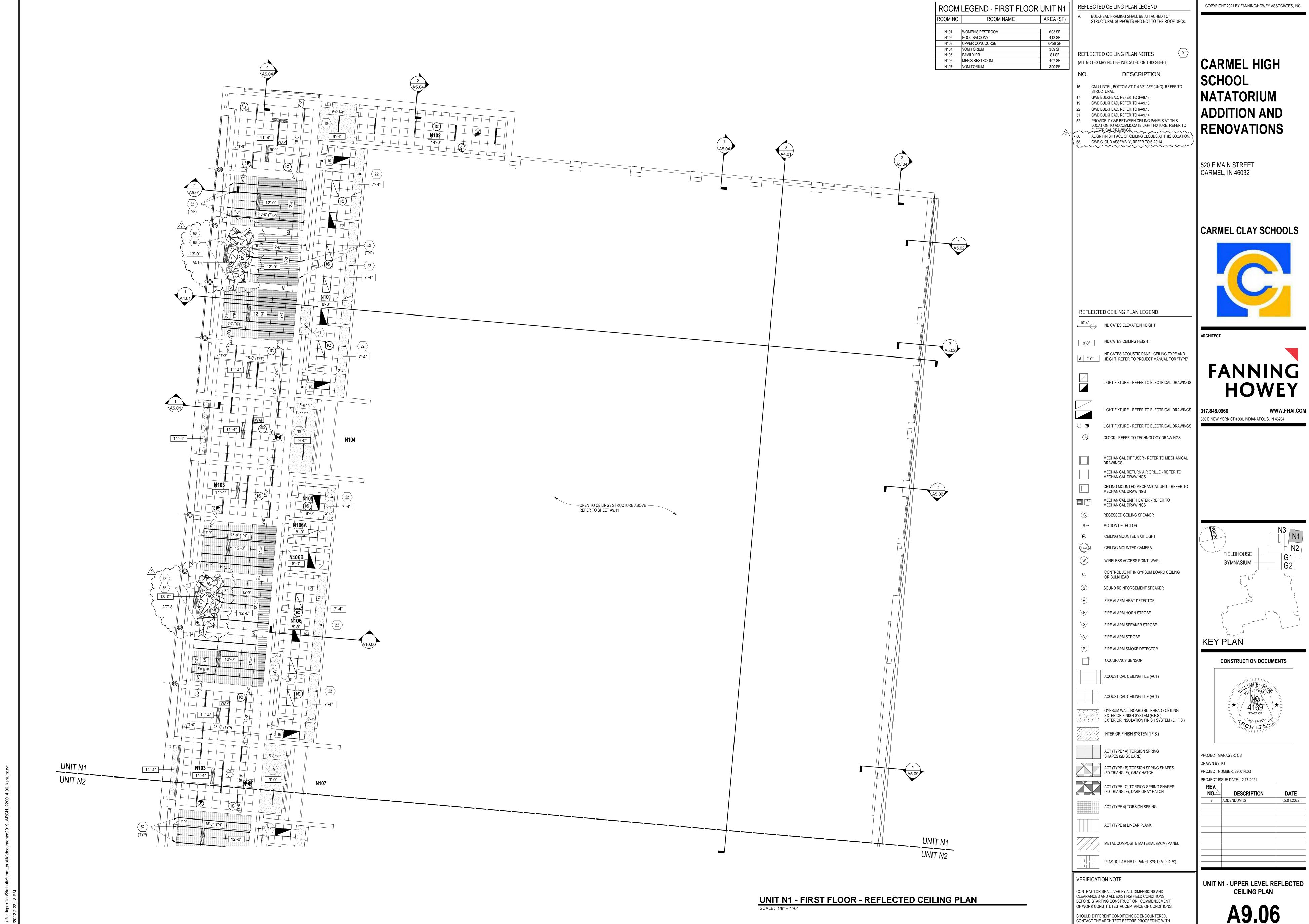
UNIT N3 - LOWER LEVEL - REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

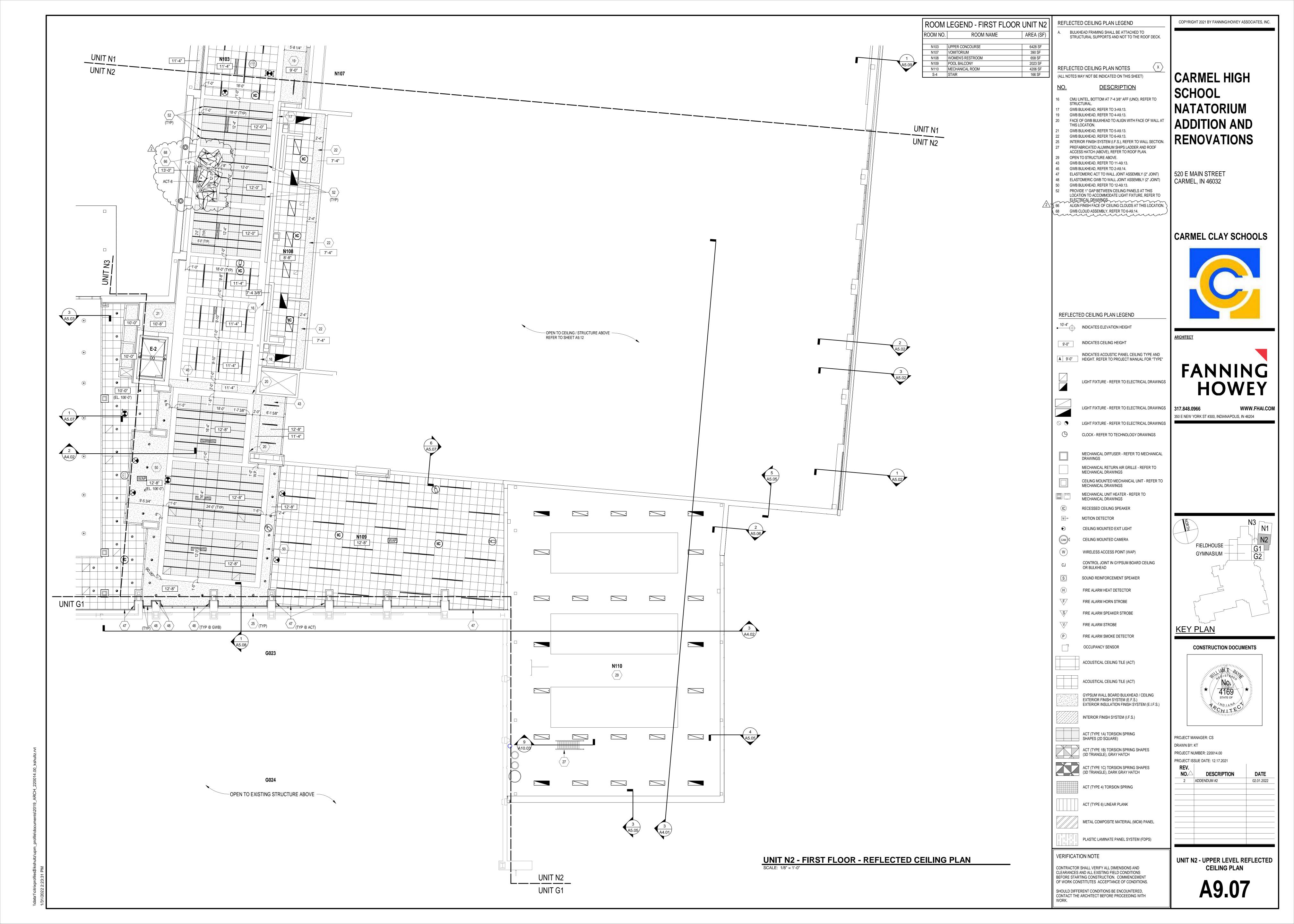


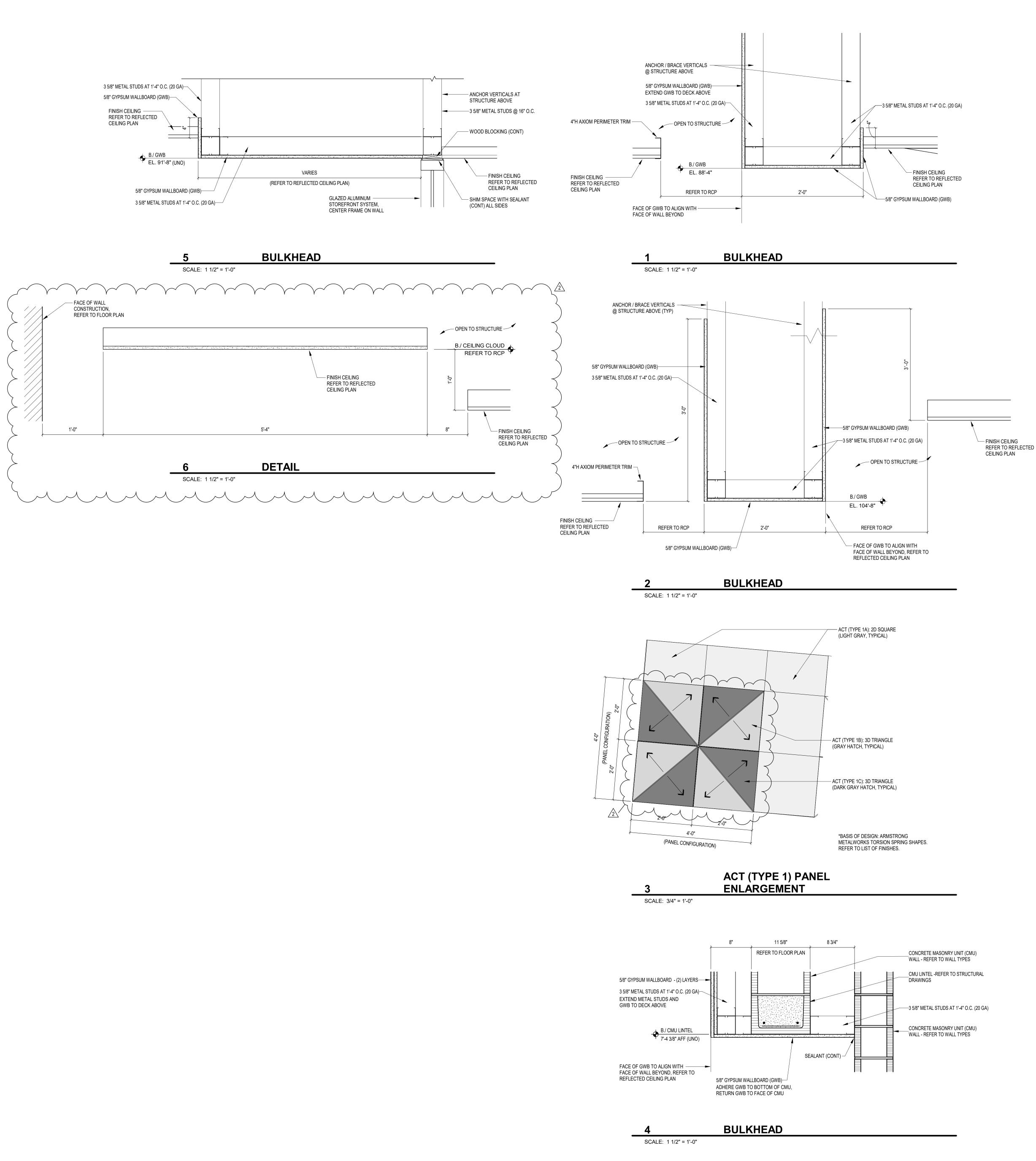
REFLECTED CEILING PLAN LEGEND COPYRIGHT 2021 BY FANNING/HOWEY ASSOCIATES, INC.

ROOM LEGEND - LOWER LEVEL UNIT G2

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







CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS

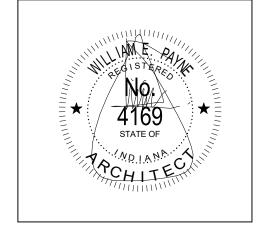


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CONSTRUCTION DOCUMENTS



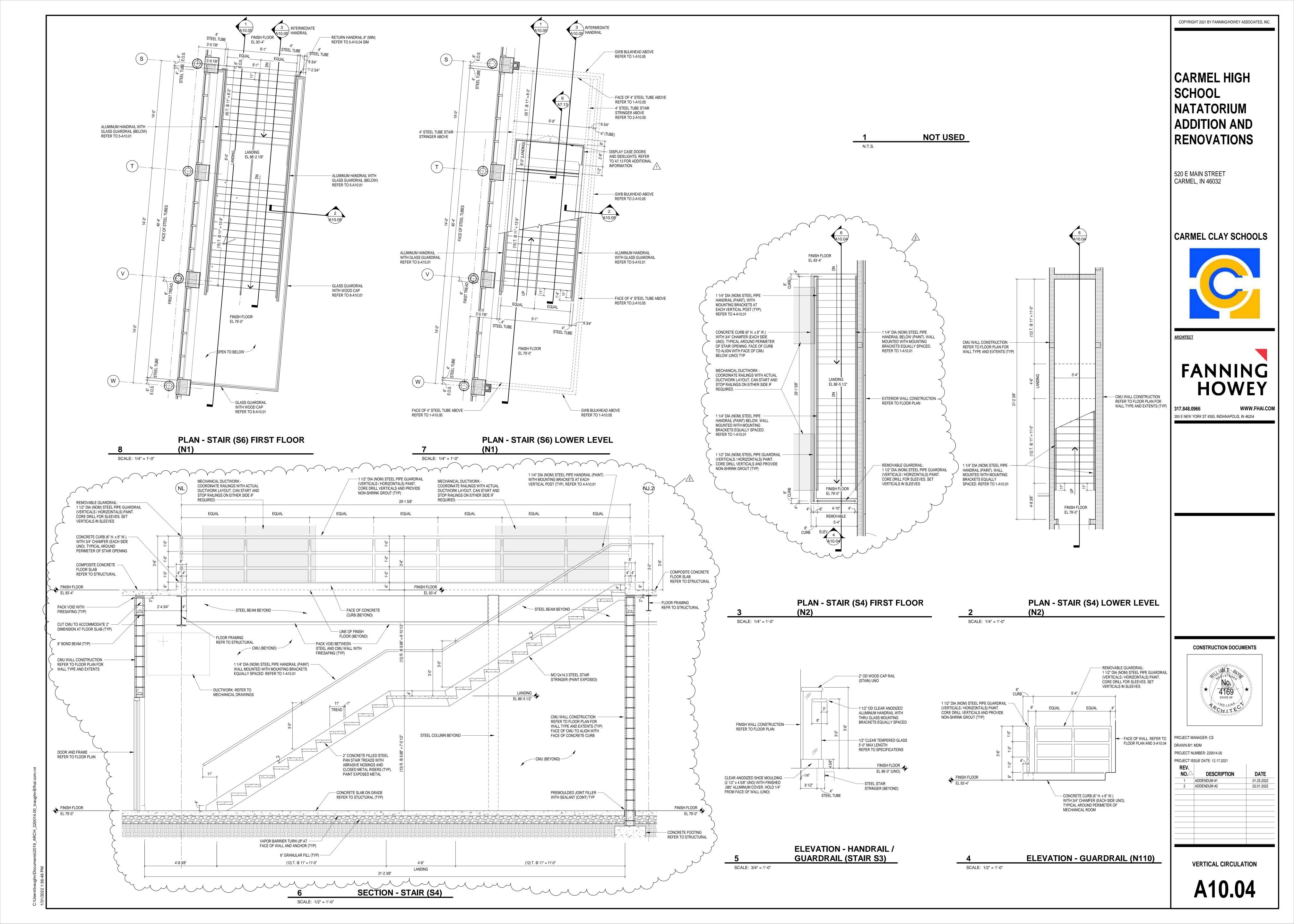
PROJECT MANAGER: CS
DRAWN BY: KT
PROJECT NUMBER: 220014.00

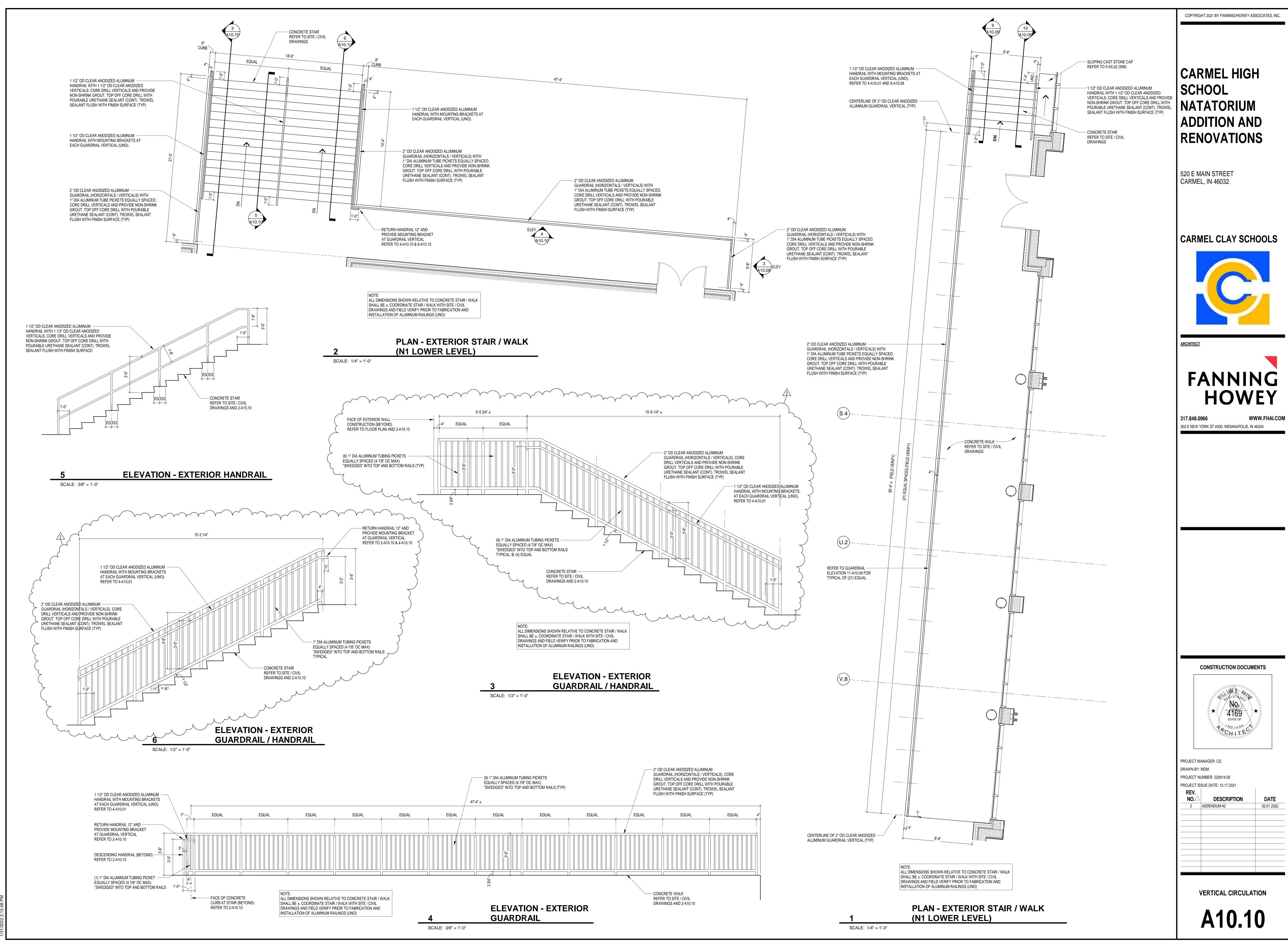
PROJECT ISSUE DATE: 12.17.2021

REV. NO.△	DESCRIPTION	DATE
2	ADDENDUM #2	02.01.2022
-		
-		

CEILING AND BULKHEAD DETAILS

49.14





PLAN NOTES:

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

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.

S4 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 CAMERA.

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.

E AND
POLES AND

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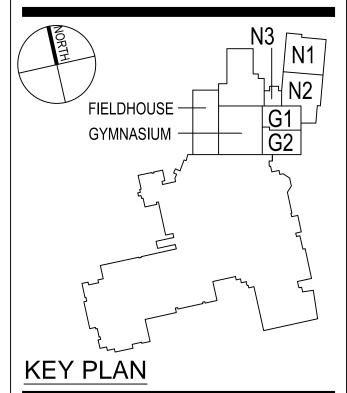
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DRAWN BY: MMS
PROJECT NUMBER: 220014.00

PROJECT ISSUE DATE: 12.17.2021			
REV.	DESCRIPTION	DATE	
2	ADDENDUM #2	2.01.2022	

**ELECTRICAL SITE PLAN** 

E2.01

	LDW61 LDW61X L9W61 N004 N003 \$ XXW 11
	LT048HX  LT0
	NOOS  INVITED TO SECURITARIAN  INVITED TO SECU
	LWW2 LTPWY  LTPWY  LTPWY  LTPWY  LTPWY  LTPWY  NOTI   XW   LTPWYX  NOTI   XW   LTPWYX
	LINVAN LIPOSAN COCT MINITE Z  LITOSAN COCT MI
	NO22    NO44    TO44    TO44
	LIWE LIGHT L
	LIWE LIPER L
	LINWY (S)  CKT.INIH1.9  LEZX  CKT.INIH1.9
AM	LT048HX  CKT.INH1-9  CKT.INH1-
2/1/2022 9:55:35	UNIT N1 - LOWER LEVEL LIGHTING PLAN  SCALE: 1/8" = 1'-0"

ROOM		AREA
NO.	ROOM NAME	(SF)
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

CARMEL CLAY SCHOOLS

# 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 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

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

		KEYNOTES 2
	L1	WIRE EMERGENCY/EXIT SIGN LIGHT FIXTURES IN THIS UNIT TO A SPARE 20AMP, 1-PC CIRCUIT BREAKER IN THE EXISTING EMERGENCY PANELBOARD "2GXH1".
	L2	LED STRIP LIGHT FIXTURE MOUNTED INSIDE DISPLAY CASE ABOVE THE DOOR. REFE TO ARCHITECTURAL DETAIL " X-AX.XX".
	L9	FIXTURE TO BE PENDANT MOUNTED ABOVE CEILING CLOUD SYSTEM. BOTTOM OF FIXTURE TO BE FLUSH WITH BOTTOM OF CLOUD AND CENTERED BETWEEN THE CLO AND ADJACENT WALL.
2	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.
	L13	ALL CONDUITS IN THIS AREA ARE TO BE PAINTED ALUMINUM FOR A POOL ENVIRONMENT.
	£14	WIRE NEW EXTERIOR BULLDING HIGHT FIXTURES TO THE SAME CIRCUITS AND

CONTROL AS THE EXISTING EXTERIOR BUILDING LIGHT FIXTURES.

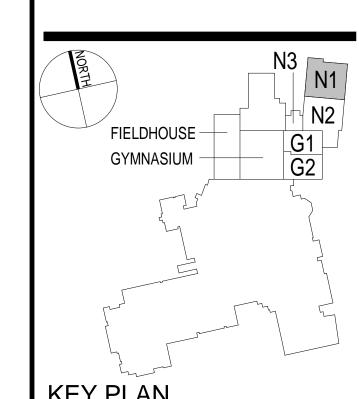
L15 REFER TO THE ARCHITECTURAL EXTERIOR BUILDING ELEVATIONS FOR THE EXACT MOUNTING HEIGHT AND LOCATION OF NEW EXTERIOR WALL MOUNTED LIGHT FIXTURES.

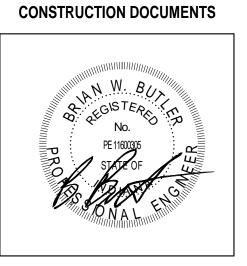
L16 LIGHTT FIXTURE TYPE "LWW1" IS TO BE MOUNTED ON THE BRICK FACADE ABOVE THE

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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PROJECT ISSUE DATE: 12.17.2021

REV. NO.△	DESCRIPTION	DATE
2	ADDENDUM #2	2.01.2022
•		

UNIT N1 - LOWER LEVEL LIGHTING PLAN

E4.01



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

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

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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

N038 FIRE RISER N039 PASSAGE

- 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		2
	1	

- 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
- MOUNTING HEIGHT AND LOCATION OF NEW EXTERIOR WALL MOUNTED LIGHT 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

CARMEL CLAY SCHOOLS



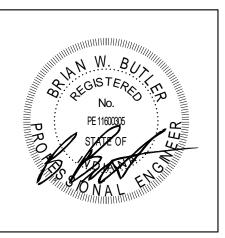
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GYMNASIUM

CONSTRUCTION DOCUMENTS

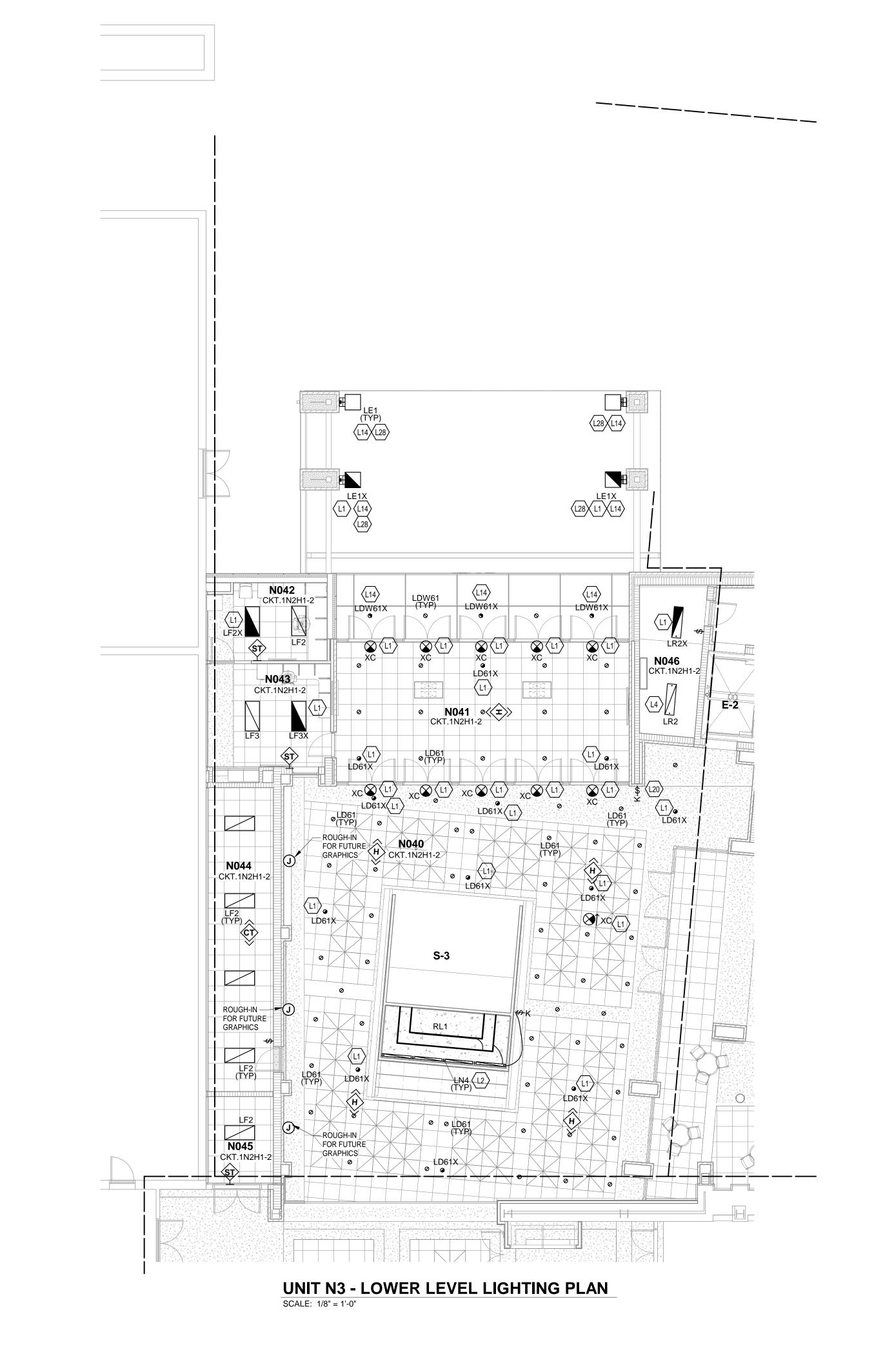


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NO.	DESCRIPTION	DATE
2	ADDENDUM #2	2.01.2022

**UNIT N2 - LOWER LEVEL LIGHTING** 

E4.02



 ROOM LEGEND - 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

### GENERAL NOTES - LIGHTING

S-3 STAIR

- 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".

  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

- L1 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.
- 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.

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CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

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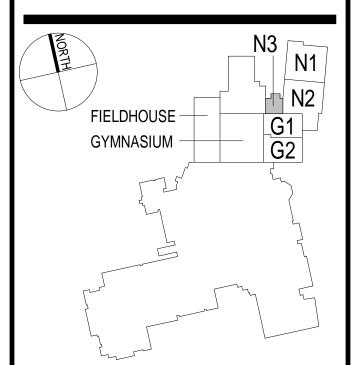
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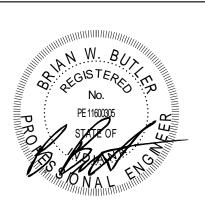


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<u>EY PLAN</u>

CONSTRUCTION DOCUMENTS



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PROJECT ISSUE DATE: 12.17.2021

REV. NO.△	DESCRIPTION	DATE
1	ADDENDUM #1	1.25.2022
2	ADDENDUM #2	2.01.2022

UNIT N3 - LOWER LEVEL LIGHTING
PLAN

E4.03

		6
(a) (b) (c) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d		U.V. SYSTEMS  HEAT EXCHANGERS  FILTER MEDIA STORAGE
G012 G012 G010 G010 G010A S-2 G009A	G023	

ROOM LEGEND - LOWER LEVEL UNIT G1 ROOM NO. AREA (SF) **ROOM NAME** E-1 ELEVATOR
G010 MEN'S TEAM LOCKER ROOM 50 SF 730 SF G010A OFFICE G011 WOMEN'S COMMUNITY LOCKER ROOM | ROUM | 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 | G015A | TOILET | 66 SF | G015A | TOILET 159 SF 246 SF 66 SF 66 SF 1916 SF 143 SF 1712 SF 8849 SF 12968 SF G015B TOILET
G016 LOBBY
G017 OFFICE
G018 CORRIDOR
G023 POOL DECK

#### GENERAL NOTES - LIGHTING

G024 POOL

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

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.				
CIRCUIT BREAKER IN THE EXISTING EMERGENCY PANEL BOARD "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				
	L5 WIR	RE NEW LIGHTING IN THIS AREA TO EXISTING LIGHT	CIRCUITS.	

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CARMEL HIGH SCHOOL

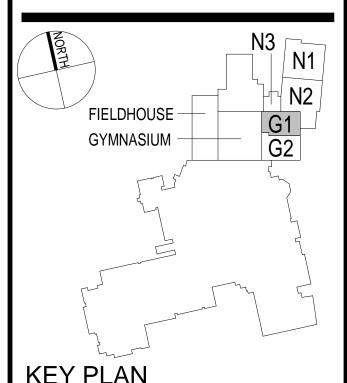
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CONSTRUCTION DOCUMENTS



PROJECT NUMBER: 220014.00

PROJECT ISSUE DATE: 12.17.2021

REV. NO.△	DESCRIPTION	DATE
2	ADDENDUM #2	2.01.2022

UNIT G1 - LOWER LEVEL LIGHTING

**UNIT G1 - LOWER LEVEL LIGHTING PLAN** SCALE: 1/8" = 1'-0"



 ROOM
 ROOM NAME
 AREA (SF)

 G003
 PASSAGE
 330 SF

 G004
 FILTER ROOM
 510 SF

 G004A
 FILTER ROOM
 61 SF

 G004B
 FILTER ROOM
 61 SF

 G005
 STORAGE
 114 SF

 G006
 ELECTRICAL
 197 SF

 G007
 MEN'S LOCKER ROOM
 738 SF

 G008
 WOMEN'S LOCKER ROOM
 765 SF

 G009
 WOMEN'S TEAM LOCKER ROOM
 726 SF

 G009A
 OFFICE
 53 SF

 G019
 STORAGE
 421 SF

 G020
 POOL STORAGE
 252 SF

 G021
 CORRIDOR
 293 SF

 G022
 PASSAGE
 309 SF

 G023
 POOL DECK
 8849 SF

 G024
 POOL
 12968 SF

 S-1
 STAIR
 231 SF

 S-2
 STAIR
 529 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.

KEYNOTES

L3 MOUNT LIGHT FIXTURES AT 10'-0"A.F.F. AND TO MISS THE ROOK EQUIPMENT IN THIS

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

- 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

L5 WIRE NEW LIGHTING IN THIS AREA TO EXISTING LIGHT CIRCUITS.

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

 $\wedge$ 

CARMEL CLAY SCHOOLS

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CARMEL HIGH

NATATORIUM

SCHOOL

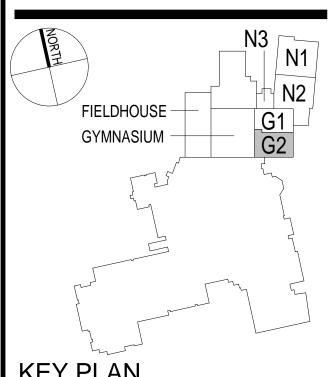
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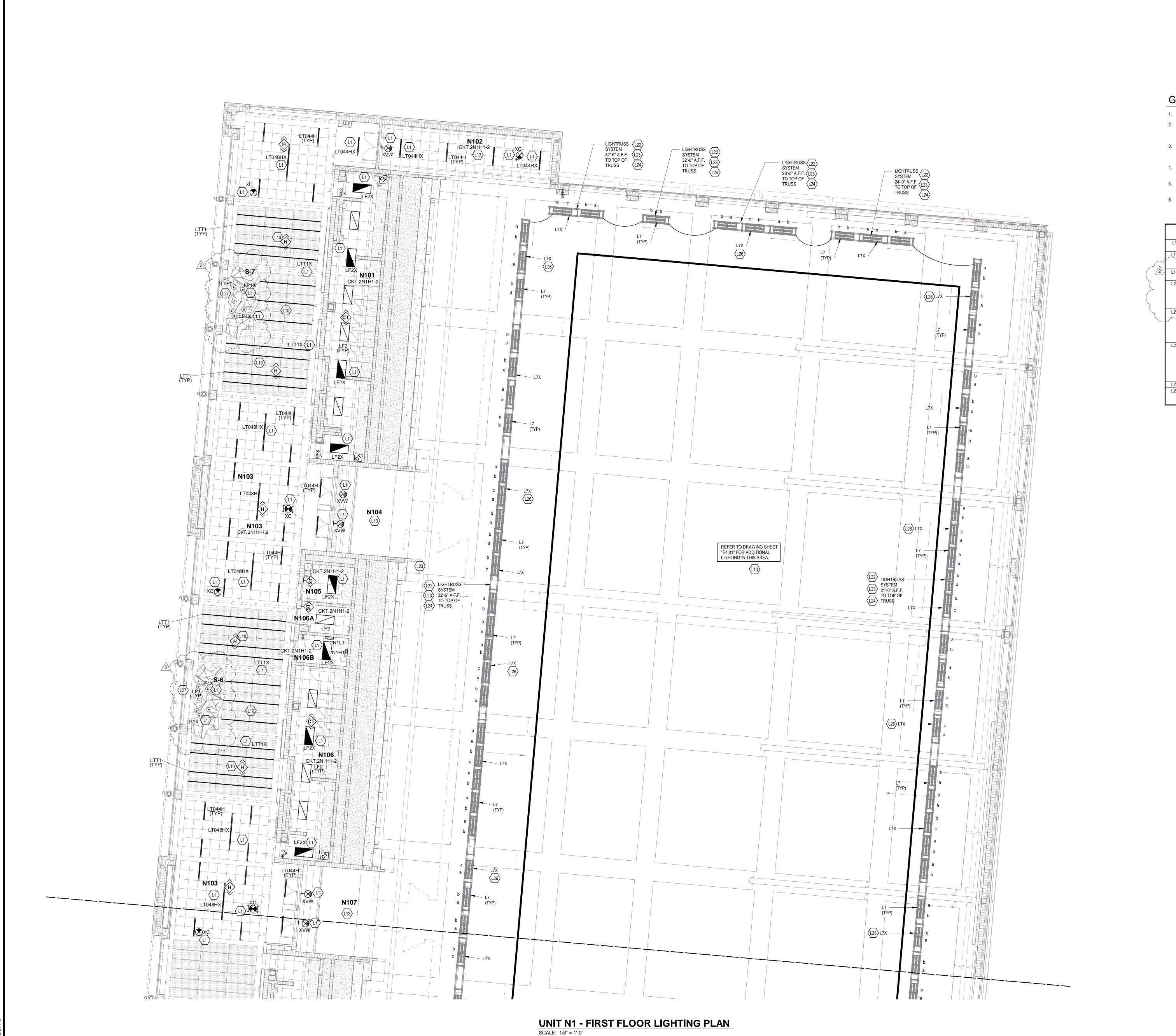


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PROJECT ISSUE DATE: 12.17.2021

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NO.△	DESCRIPTION	DATE
2	ADDENDUM #2	2.01.2022
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1		

UNIT G2 - LOWER LEVEL LIGHTING

E4.05



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. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR

N107 VOMITORIUM

- 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	
WIRE EMERGENCY/EXIT SIGN LIGHT FIXTURES IN THIS UNIT TO A SPARE 20AMP, CIRCUIT BREAKER IN THE EXISTING EMERGENCY PANELBOARD "2GXH1".	1-
LIGHT FIXTURES MOUNTED IN THIS SECTION OF THE CEILING CLOUD SYSTEM AR  BE MOUNTED IN THE SPACE PROVIDED BETWEEN THE CLOUDS, FIXTURE SHALL  EXTEND UP THE VERTICAL SUPPLICATE BOTH FOR OF THE CLOUDS.	Έ

| LEXTEND UP THE VERTICAL SURFACE AT BOTH ENDS OF THE CLOUDS. 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. COPYRIGHT 2021 BY FANNING/HOWEY ASSOCIATES, INC.

CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

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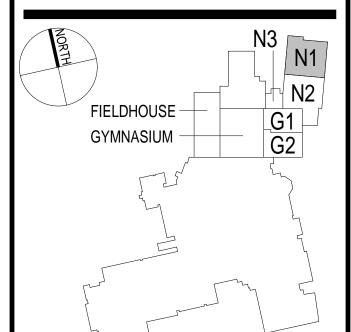
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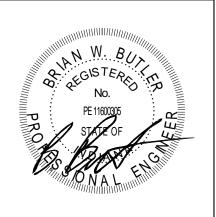
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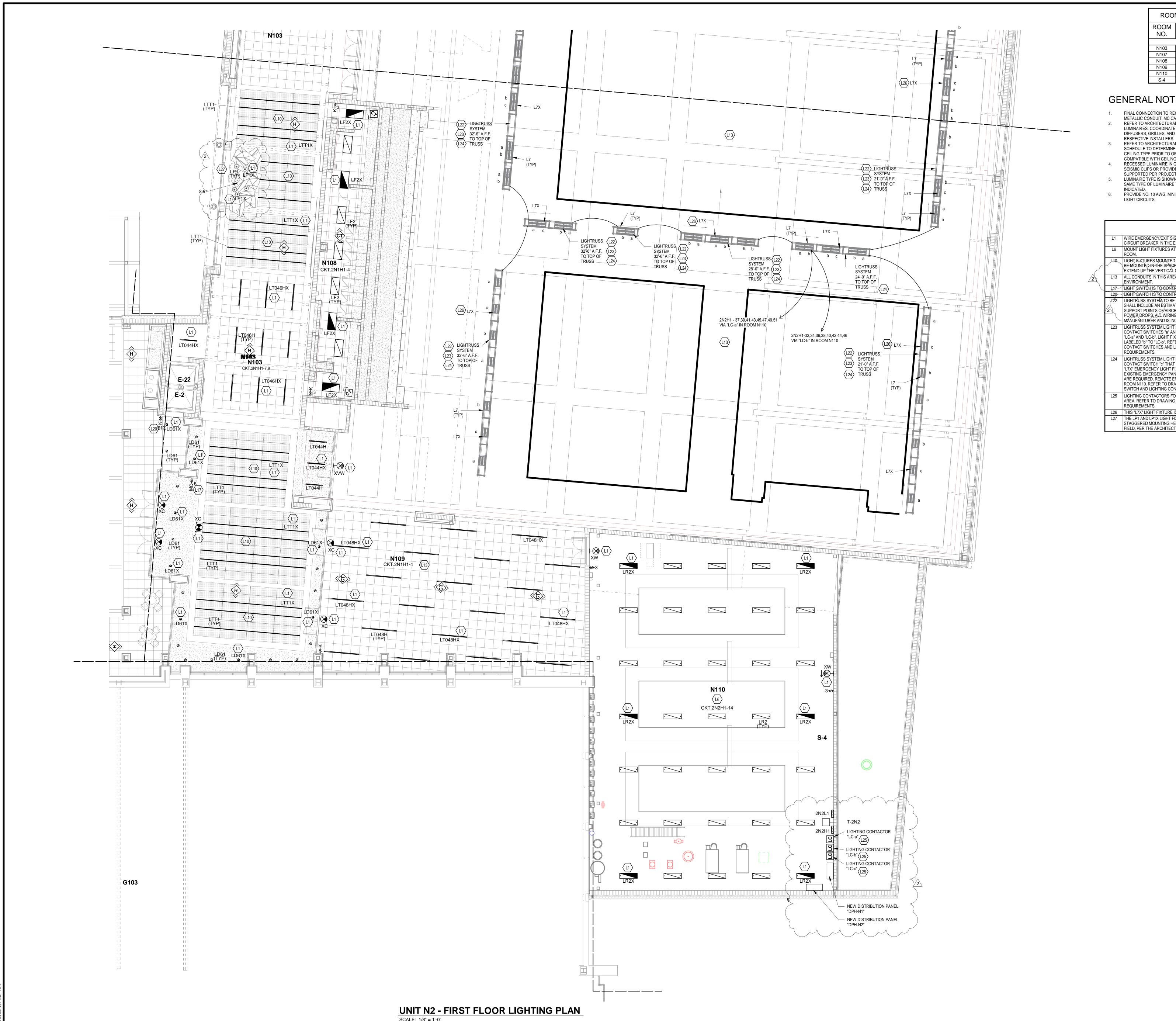


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REV. NO.△	DESCRIPTION	DATE
1	ADDENDUM #1	1.25.2022
2	ADDENDUM #2	2.01.2022

**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 658 SF 2023 SF N108 WOMEN'S RESTROOM N109 POOL BALCONY

### 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
- 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

N110 MECHANICAL ROOM

- 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

- 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. 3 ALL CONDUITS IN THIS AREA ARE TO BE PAINTED ALUMINUM FOR A POOL ENVIRONMENT.
- LIT 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

## CARMEL HIGH 4206 SF 166 SF

## SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

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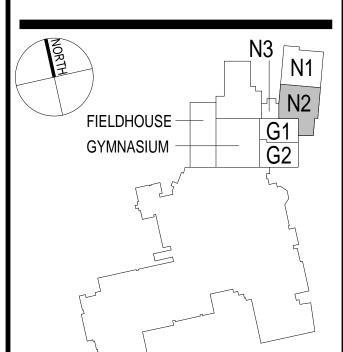
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CARMEL CLAY SCHOOLS

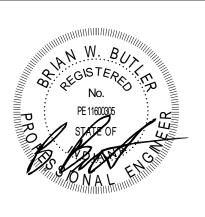




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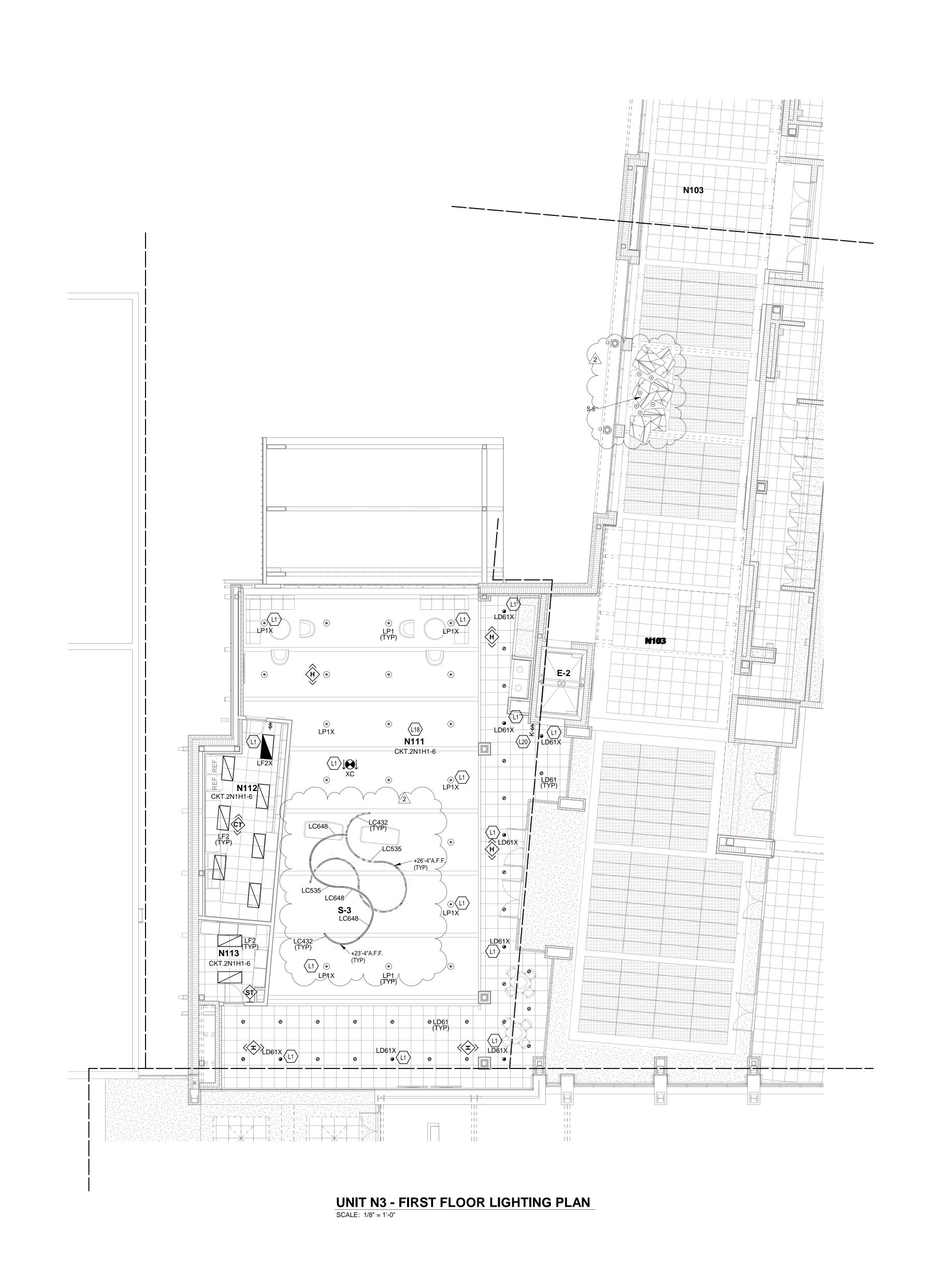


PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

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NO.	DESCRIPTION	DATE
1	ADDENDUM #1	1.25.2022
2	ADDENDUM #2	2.01.2022

**UNIT N2 - FIRST FLOOR LIGHTING** 

E4.07



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.

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CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

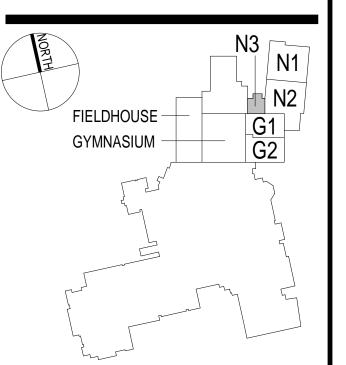
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CARMEL CLAY SCHOOLS

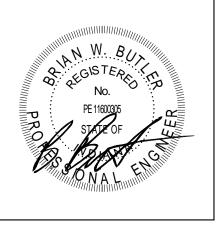




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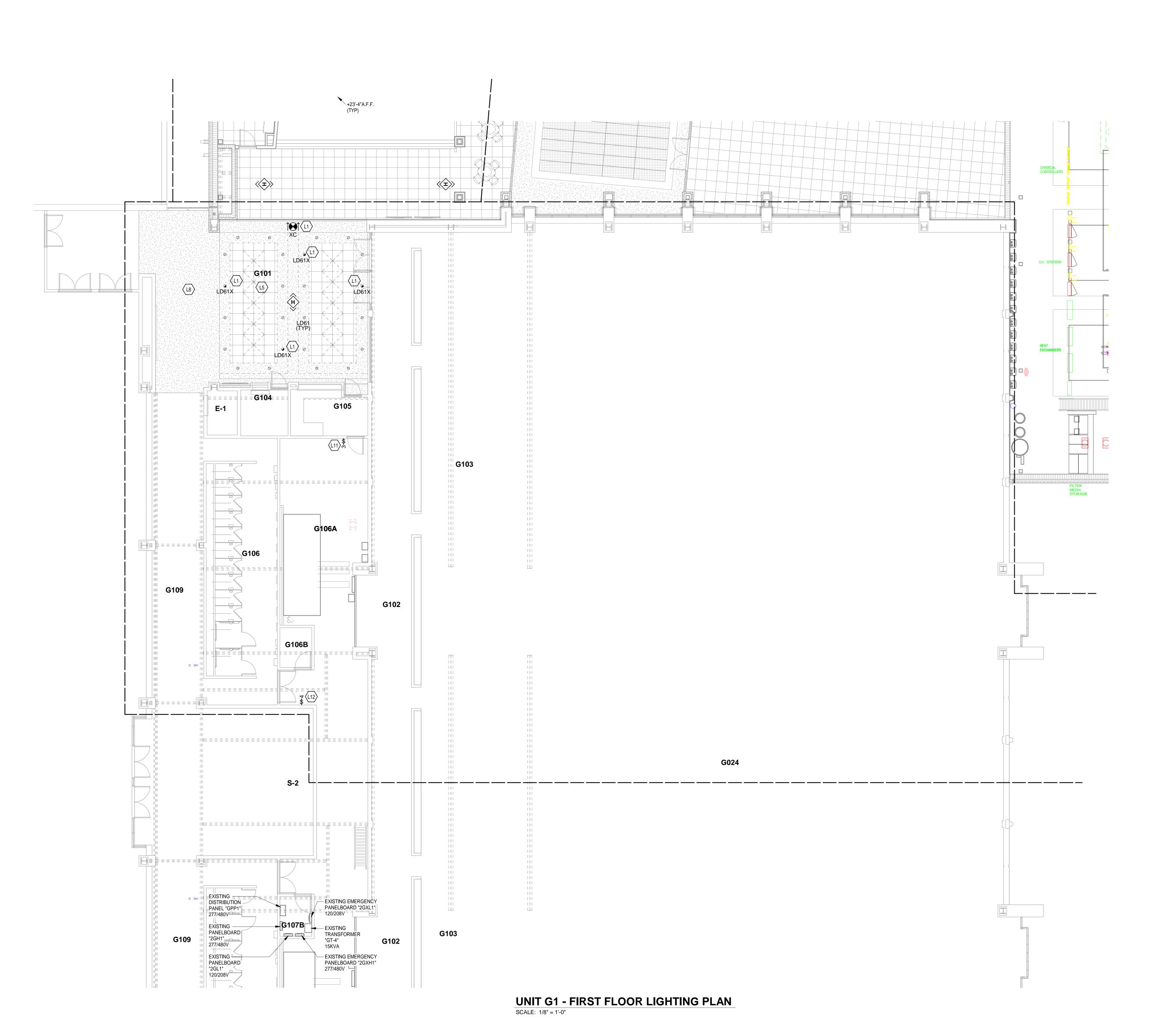
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PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

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1	ADDENDUM #1	1.25.2022
2	ADDENDUM #2	2.01.2022

**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.

  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.

  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

L8 EXISTING LIGHT FIXTURES IN THE CEILING TO REMAIN ARE TO BE WIRED TO AND CONTROLLED WITH THE NEW LIGHT FIXTURES IN THIS AREA.

FIXTURES IN THIS ROOM.

1 PROVIDE A NEW 3-WAY LIGHT SWITCH AT THIS LOCATION TO CONTROL EXISTING LIGH

REPLACE EXISTING 3-WAY LIGHT SWITCH THAT CONTROLS LIGHT FIXTURES IN THIS ROOM WITH A NEW 4-WAY LIGHT SWITCH.

INDICATED.

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

	KEYNOTES /2		
L1	WIRE EMERGENCY/EXIT SIGN LIGHT FIXTURES IN THIS UNIT TO A SPARE 20AMP, 1-POLE CIRCUIT BREAKER IN THE EXISTING EMERGENCY PANELBOARD "2GXH1".		CARMEL CLAY SCHO
L5	WIRE NEW LIGHTING IN THIS AREA TO EXISTING LIGHT CIRCUITS	Ш	The second secon



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**ADDITION AND** 

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SCHOOL

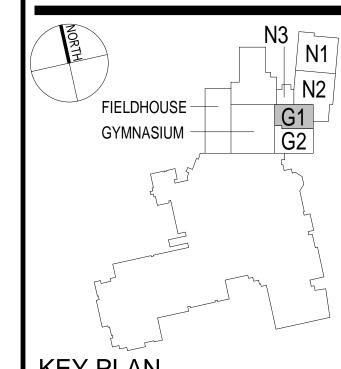
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CARMEL, IN 46032

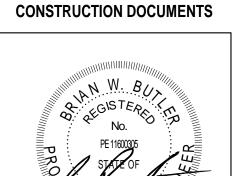
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1 PLAIN



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1	ADDENDUM #1	1.25.2022
2	ADDENDUM #2	2.01.2022

UNIT G1 - FIRST FLOOR LIGHTING

E4.09

N<sub>L13</sub>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.
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  4. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH
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   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.

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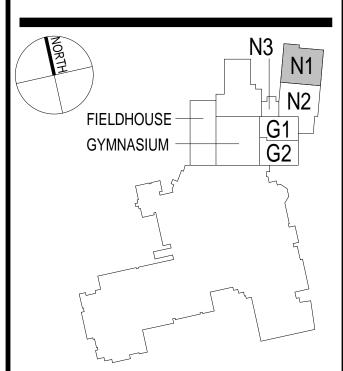
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<u>(EY PLAN</u>

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PROJECT ISSUE DATE: 12.17.2021

REV. NO.△	DESCRIPTION	DATE
2	ADDENDUM #2	2.01.2022

UNIT N1 - UPPER SEATING LEVEL LIGHTING PLAN

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CARMEL HIGH
SCHOOL
NATATORIUM
ADDITION AND
RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

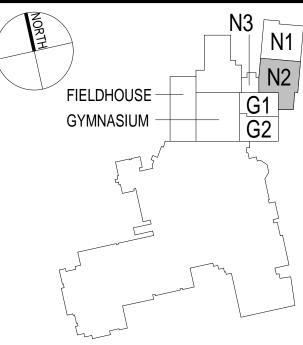
CARMEL CLAY SCHOOLS



ARCHITECT

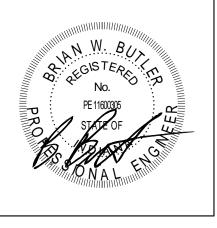


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KEY PLAN

CONSTRUCTION DOCUMENTS



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PROJECT ISSUE DATE: 12.17.2021

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	2	ADDENDUM #2	2.01.2022
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UNIT N2 - UPPER SEATING LEVEL LIGHTING PLAN

E4.12



CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

#### **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

6. 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

**KEYNOTES** 

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

## CARMEL CLAY SCHOOLS

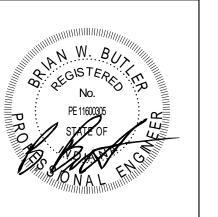


<u>ARCHITECT</u>

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FIELDHOUSE GYMNASIUM

CONSTRUCTION DOCUMENTS



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1	ADDENDUM #1	1.25.2022
2	ADDENDUM #2	2.01.2022

**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

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

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. P13 CONTROL SWITCH FOR THE OVERHEAD COILING GRILLE IS PROVIDED BY THE GRILLE

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

ADDITIONAL INSTALLATION REQUIREMENTS WITH THE AV CONTRACTOR PRIOR TO P17 RECEPTACLE FOR CABINET MOUNTED MICROWAVE. REFER TO THE A7 DRAWING SHEETS FOR EXACT MOUNTING HEIGHT AND LOCATION PRIOR TO ROUGH-IN.

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.

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

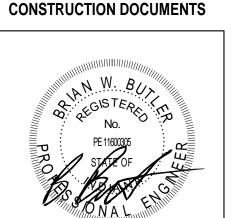


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**KEY PLAN** 



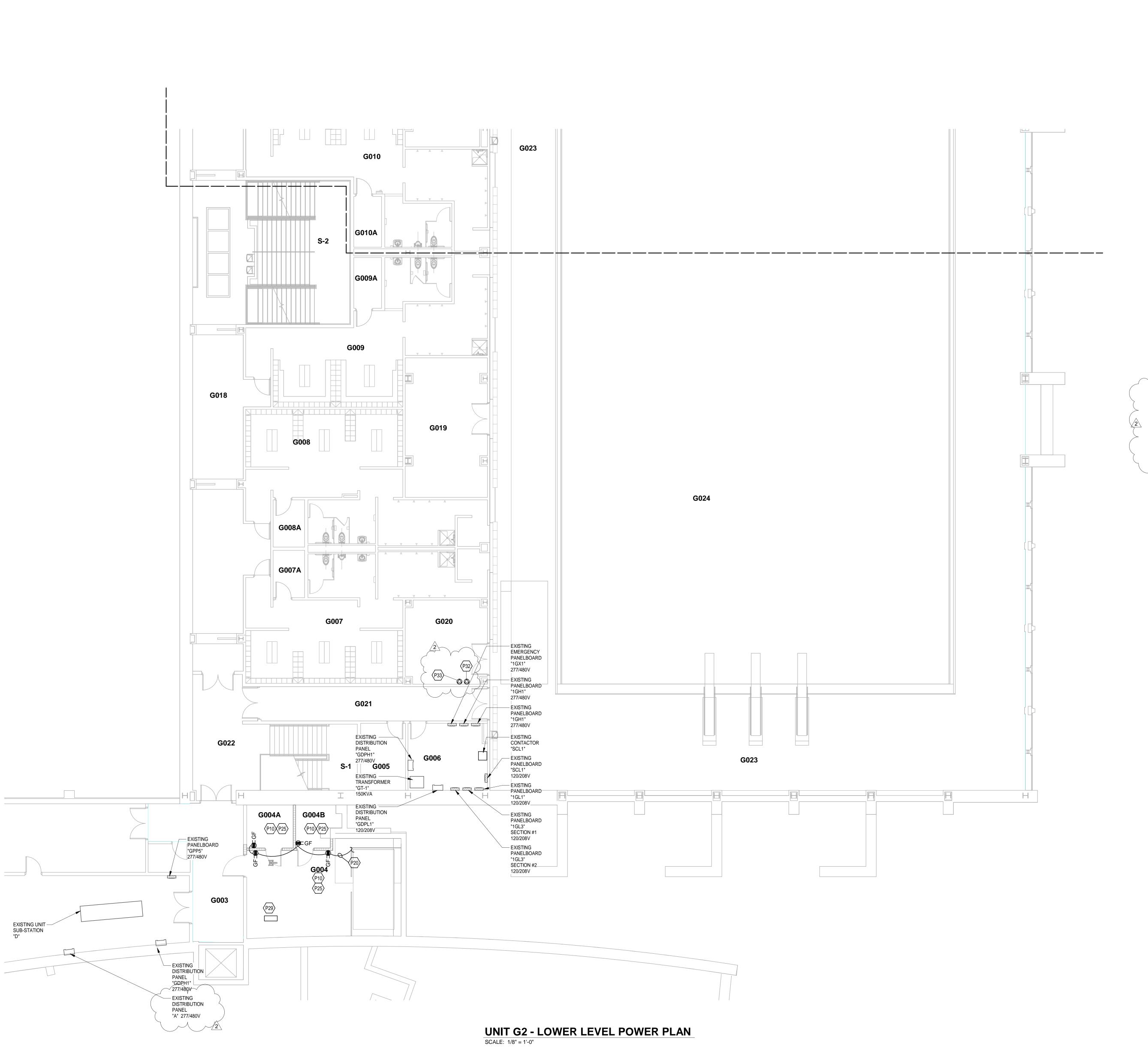
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2	ADDENDUM #2	2.01.2022

**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

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#### GENERAL NOTES - POWER

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
- 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 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.
- DISCONNECT SWITCHES PER NEC.
- CONTROL WIRING AND CONTROL CONNECTIONS.
- 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.

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. 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 WITH SPARE CAPACITY IN ROOM G006.

PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD

- 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.
- REFER TO MECHANICAL PLANS FOR LOCATION OF MECHANICAL EQUIPMENT. LOCATE
- REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL
- ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE, SHALL BE BONDED WITH A

520 E MAIN STREET

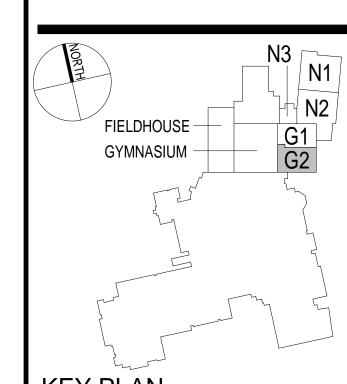
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CARMEL CLAY SCHOOLS

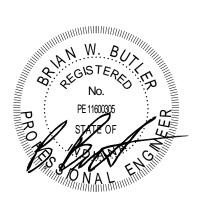




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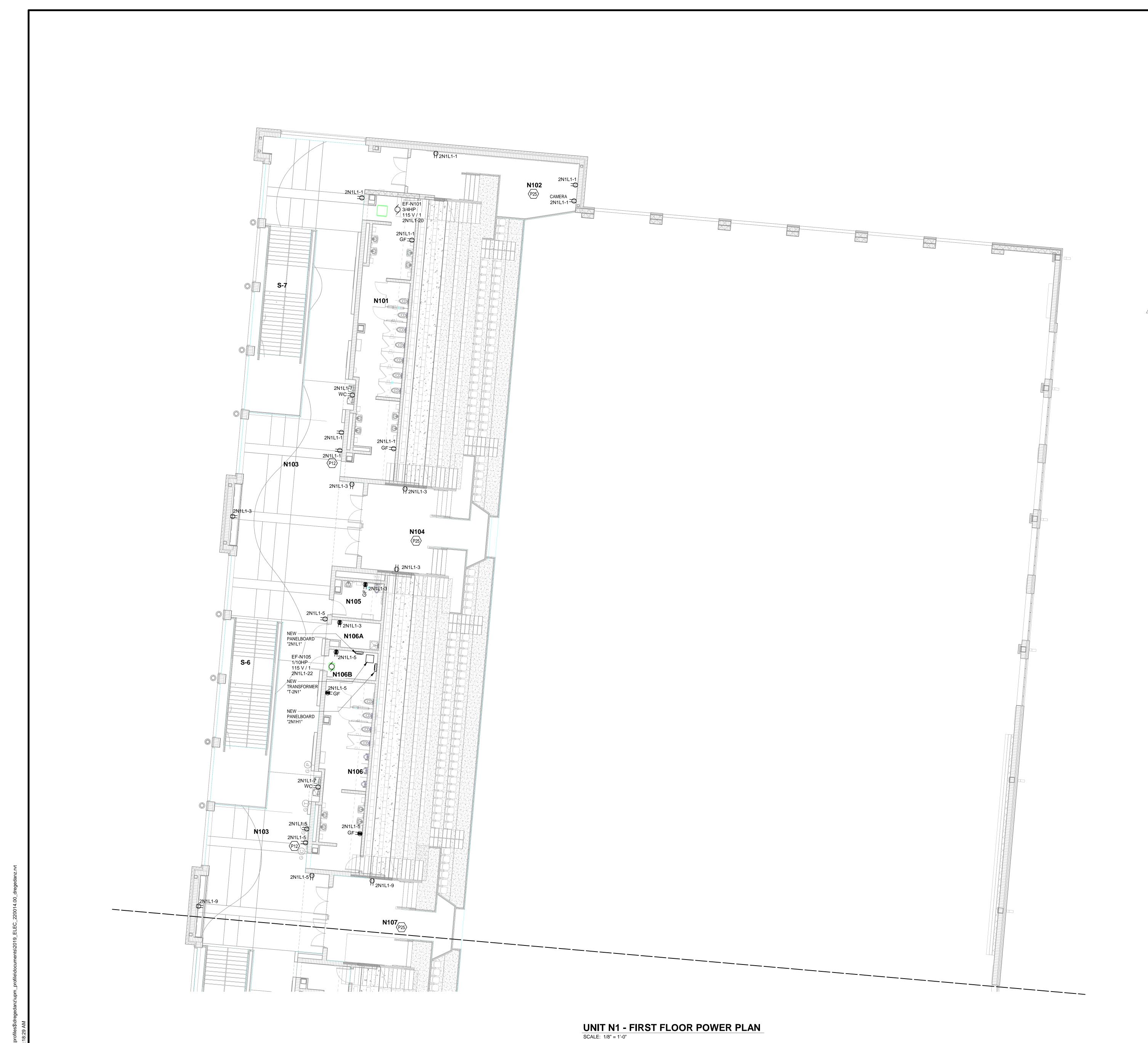
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UNIT G2 - LOWER LEVEL POWER



 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

**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.
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N105 FAMILY RR

N106 MEN'S RESTROOM N107 VOMITORIUM

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 DEVICE.
 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.

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 ENVIRONMENT

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520 E MAIN STREET CARMEL, IN 46032

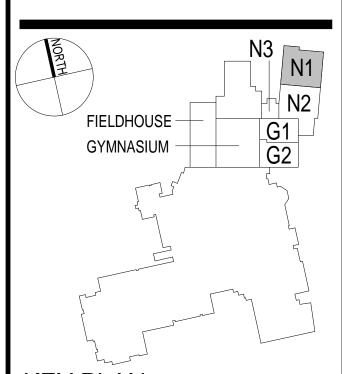
CARMEL CLAY SCHOOLS



ARCHITECT

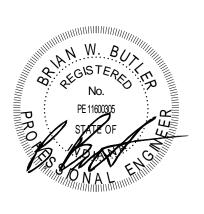


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EY PLAN

CONSTRUCTION DOCUMENTS



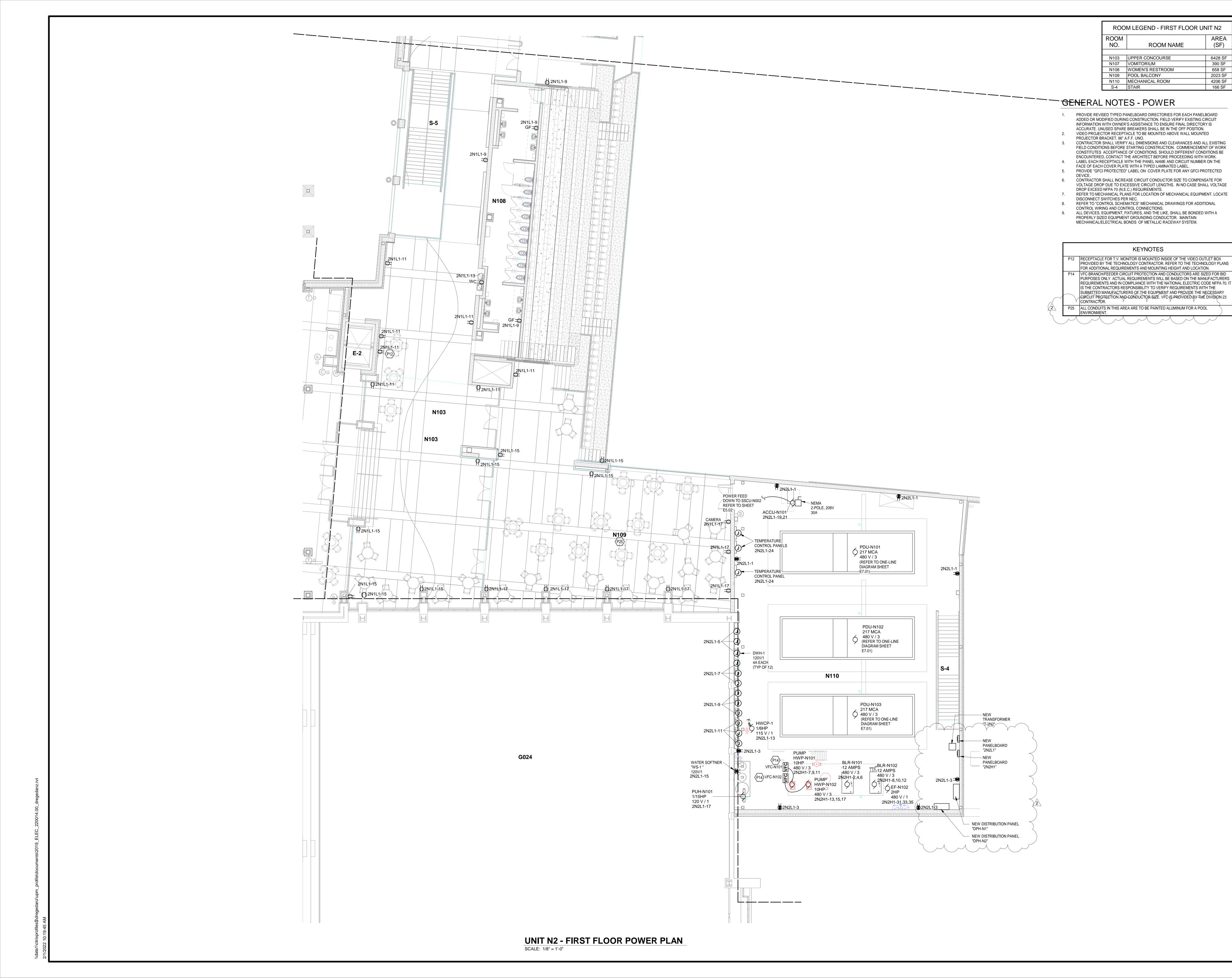
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UNIT N1 - FIRST FLOOR POWER PLAN

E5.06



CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

AREA (SF)

6428 SF

390 SF

658 SF

4206 SF 166 SF

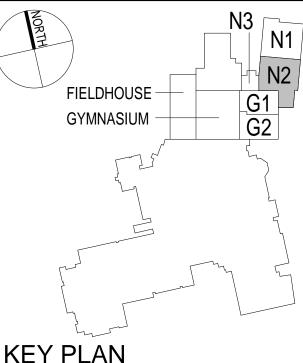
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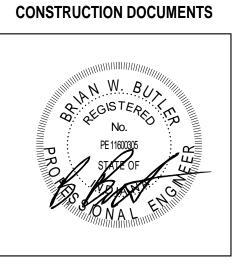
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UNIT N2 - FIRST FLOOR POWER



ROOM LEGEND - UPPER SEATING UNIT N1 ROOM NO.

**ROOM NAME** (SF) N201 CROSS AISLE
N202 POOL SEATING
N203 POOL SEATING

1869 SF 2086 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. 2. 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
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  REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL
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PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR. MAINTAIN MECHANICAL/ELECTRICAL BONDS OF METALLIC RACEWAY SYSTEM.

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



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CARMEL HIGH

NATATORIUM

ADDITION AND

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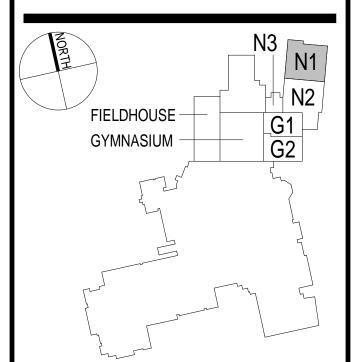
SCHOOL

520 E MAIN STREET

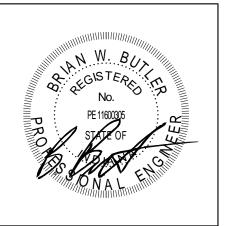
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CONSTRUCTION DOCUMENTS



PROJECT NUMBER: 220014.00

PROJECT ISSUE DATE: 12.17.2021

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UNIT N1 - UPPER SEATING LEVEL POWER PLAN



ROOM LEGEND - UPPER SEATING UNIT N2

ROOM AREA
NO. ROOM NAME (SF)

 NO.
 ROOM NAME
 (SF)

 N201
 CROSS AISLE
 1369 SF

 N204
 POOL SEATING
 2206 SF

 S-4
 STAIR
 166 SF

#### **GENERAL NOTES - POWER**

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- DISCONNECT SWITCHES PER NEC.

  REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL CONTROL WIRING AND CONTROL CONNECTIONS.
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P25 ALL CONDUITS IN THIS AREA ARE TO BE PAINTED ALUMINUM FOR A POOL ENVIRONMENT.

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CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

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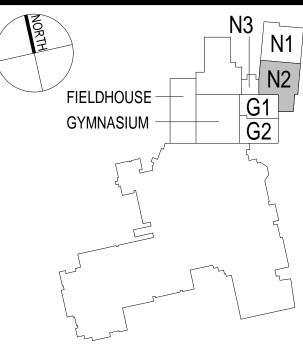
CARMEL CLAY SCHOOLS



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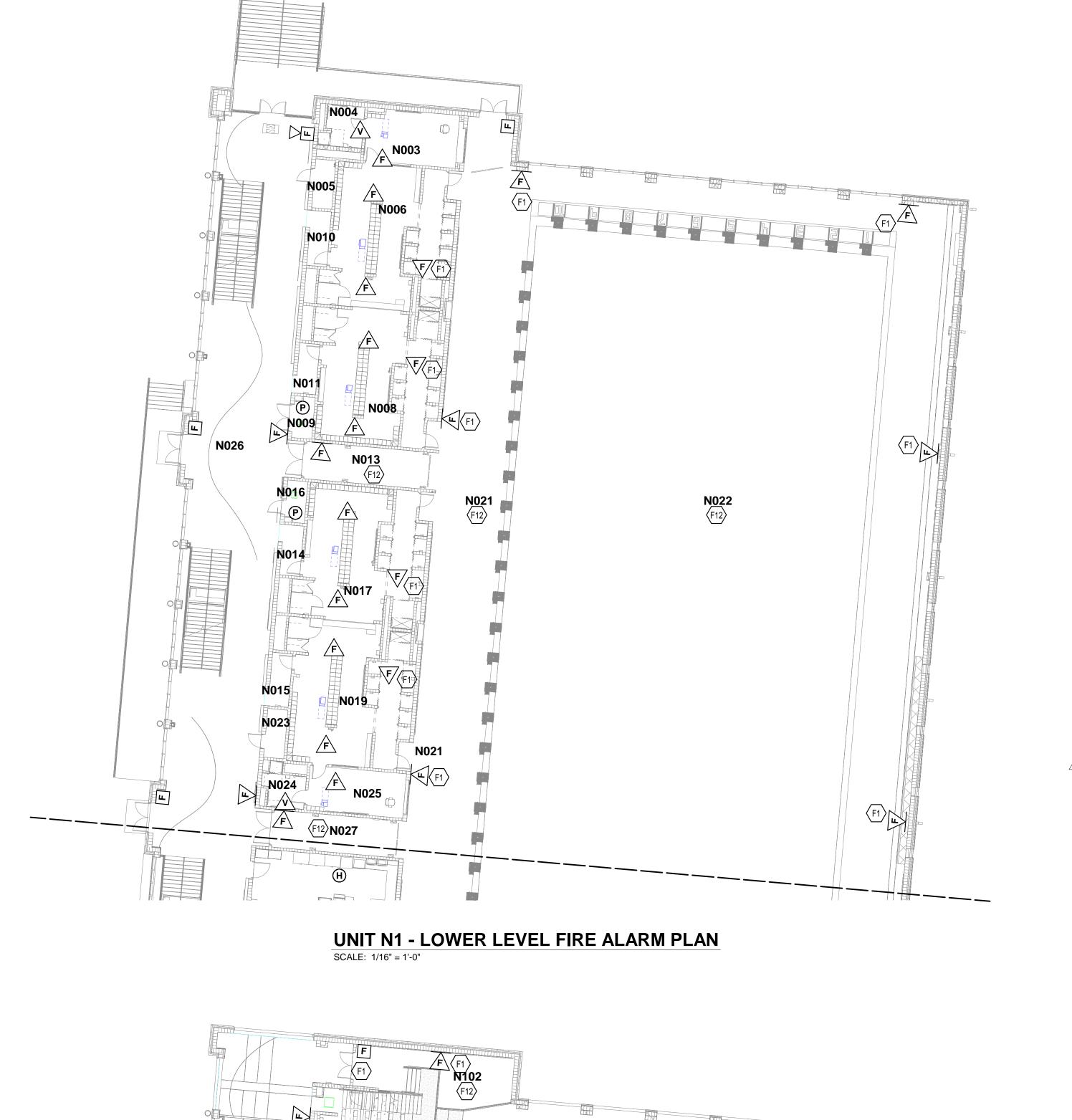


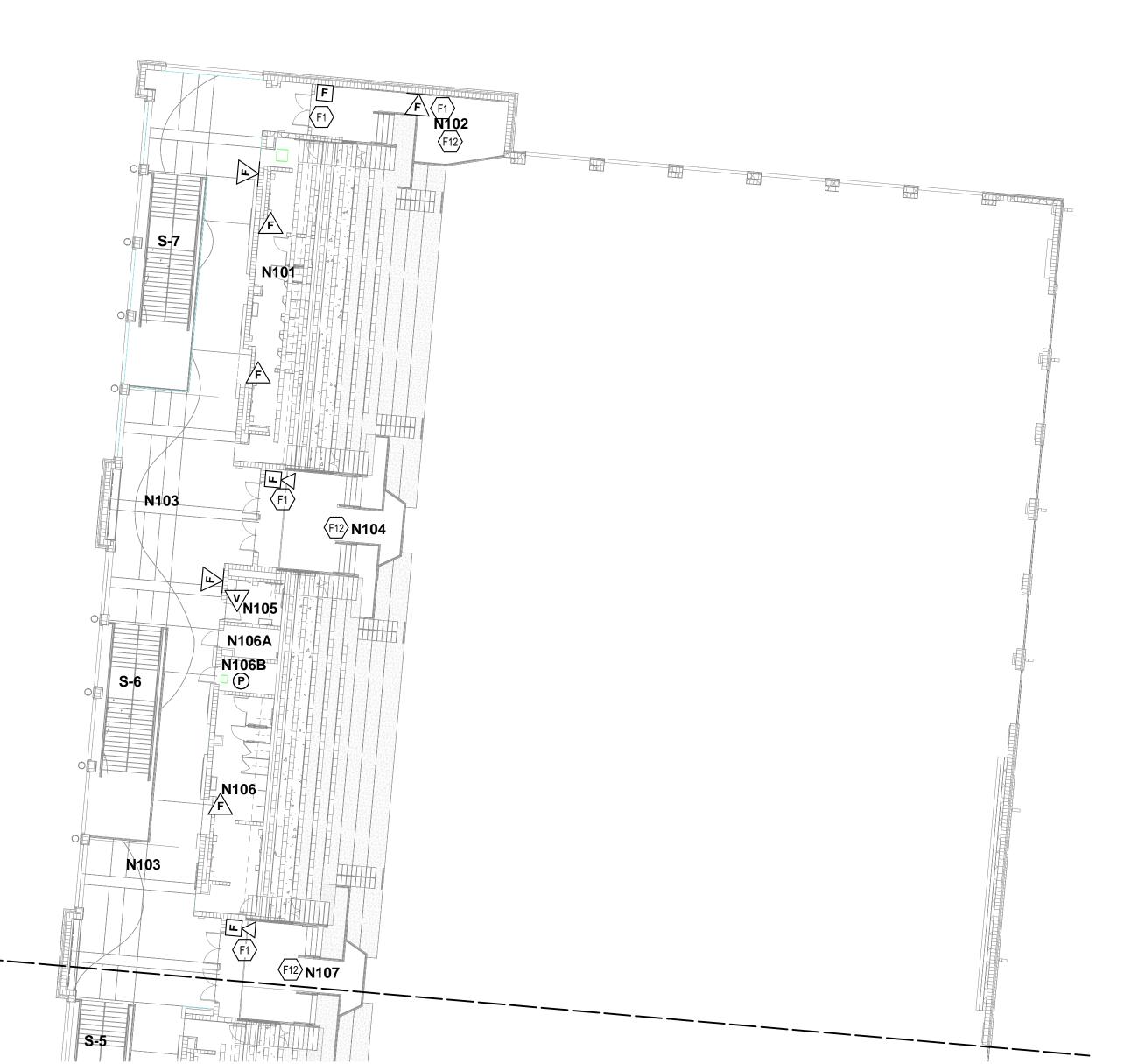
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REV.			
NO.	DESCRIPTION	DATE	
2	ADDENDUM #2	2.01.2022	
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UNIT N2 - UPPER SEATING LEVEL POWER PLAN

E5.12





ROOM LEGEND - LOWER LEVEL UNIT N1 ROOM NO. AREA (SF) **ROOM NAME** N003 COACH
N004 RESTROOM
N005 CUSTODIAL
N006 LOCKER ROOM 260 SF 87 SF 53 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 N008 LOCKER ROOM N009 TECHNOLOGY
N010 VESTIBULE
N011 VESTIBULE
N013 POOL CORRIDOR
N014 VESTIBULE N015 VESTIBULE N016 ELECTRICAL N017 LOCKER ROOM N017 LOCKER ROOM
N019 LOCKER ROOM
N021 POOL DECK
N022 POOL
N023 CUSTODIAL N024 RESTROOM

N025 COACH

N026 LOWER CONCOURSE

N027 POOL CORRIDOR 80 SF 234 SF 8297 SF 263 SF

ROO	M LEGEND - FIRST FLOOR UN	NIT N1
ROOM		AREA
NO.	ROOM NAME	(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
N106	MEN'S RESTROOM	407 SF
N107	VOMITORIUM	390 SF

ROOM	LEGEND - UPPER SEATING U	JNIT N1
ROOM		AREA
NO.	ROOM NAME	(SF)
N201	CROSS AISLE	1369 SF
N202	POOL SEATING	1869 SF
N203	POOL SEATING	2086 SF

#### GENERAL NOTES - FIRE ALARM

- ALL NEW FIRE ALARM DEVICES TO BE CONNECTED TO THE EXISTING FIRE ALARM SYSTEM. COORDINATE WITH EXISTING EQUIPMENT. PROVIDE PROGRAMMING AND TESTING AS REQUIRED.
   FIRE ALARM LAYOUT IS SHOWN FOR COVERAGE AREA ONLY. CONTRACTOR SHALL PROVIDE DEVICES AS REQUIRED FOR COMPLETE COVERAGE...
- KEYNOTES F1 NEW FIRE ALARM DEVICE YO BE RATED FOR DAMP LOCATION.

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

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CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

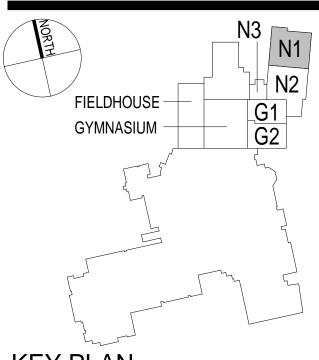
520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS





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



CONSTRUCTION DOCUMENTS



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

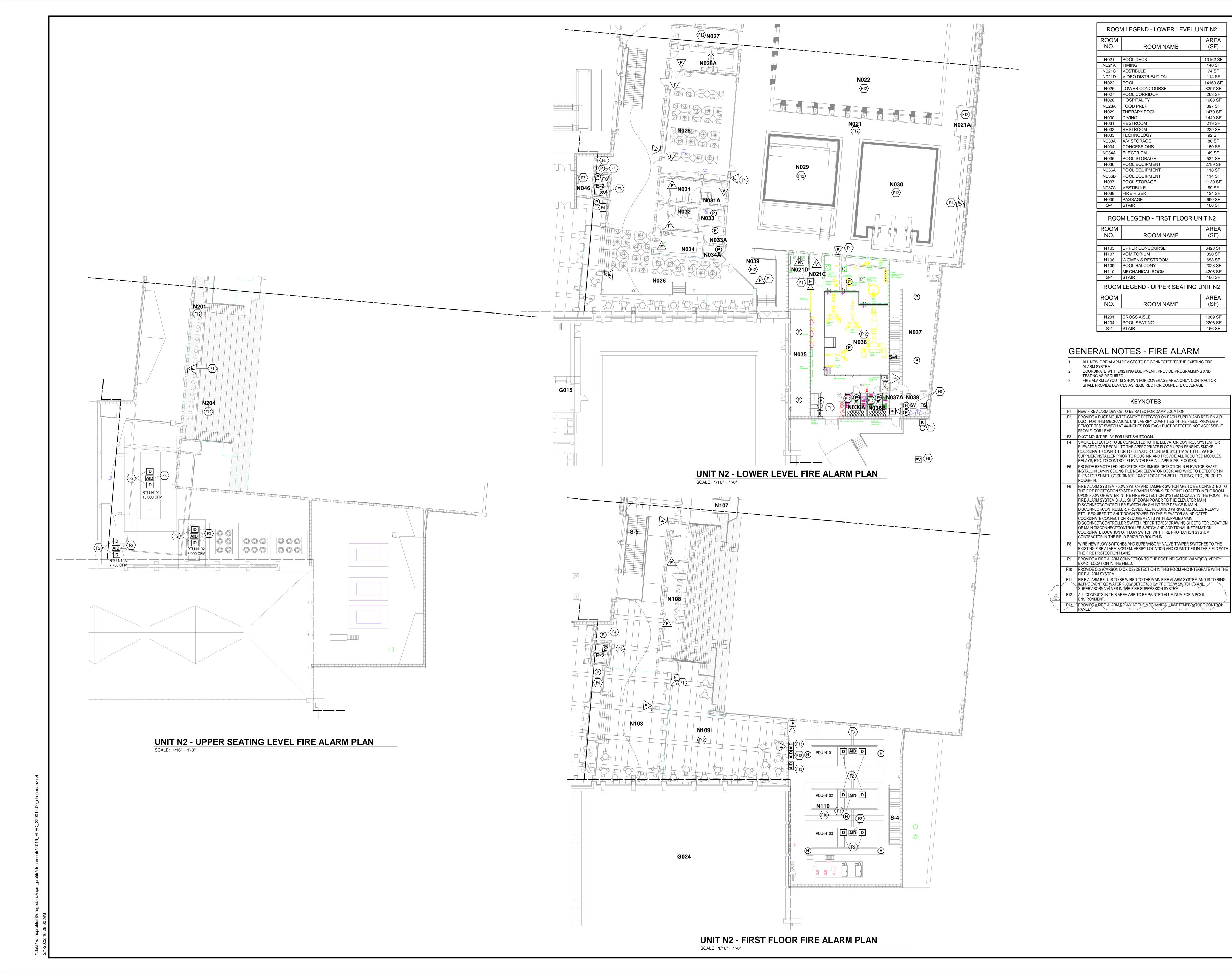
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NO.	DESCRIPTION	DATE
2	ADDENDUM #2	2.01.2022

**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



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14163 SF 8297 SF

80 SF 150 SF 49 SF 534 SF

2789 SF

114 SF 1139 SF 89 SF 124 SF

690 SF 166 SF

AREA

(SF)

6428 SF 390 SF

658 SF

2023 SF

4206 SF

AREA (SF)

1369 SF

2206 SF

166 SF

166 SF

**ROOM NAME** 

**ROOM NAME** 

KEYNOTES

118 SF

CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

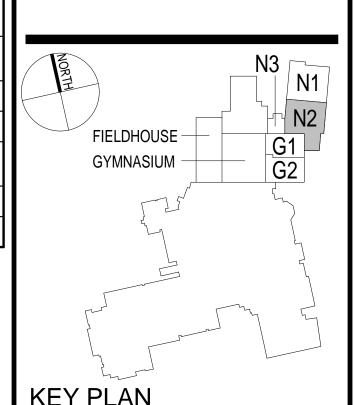
520 E MAIN STREET CARMEL, IN 46032

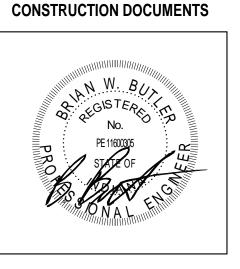
CARMEL CLAY SCHOOLS



# **HOWEY**

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2	ADDENDUM #2	2.01.2022

**UNIT N2 - FIRE ALARM PLANS** 

E6.02

## CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

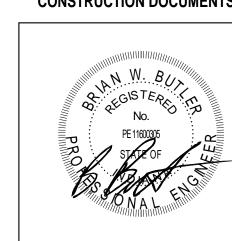
CARMEL CLAY SCHOOLS



# HOWEY

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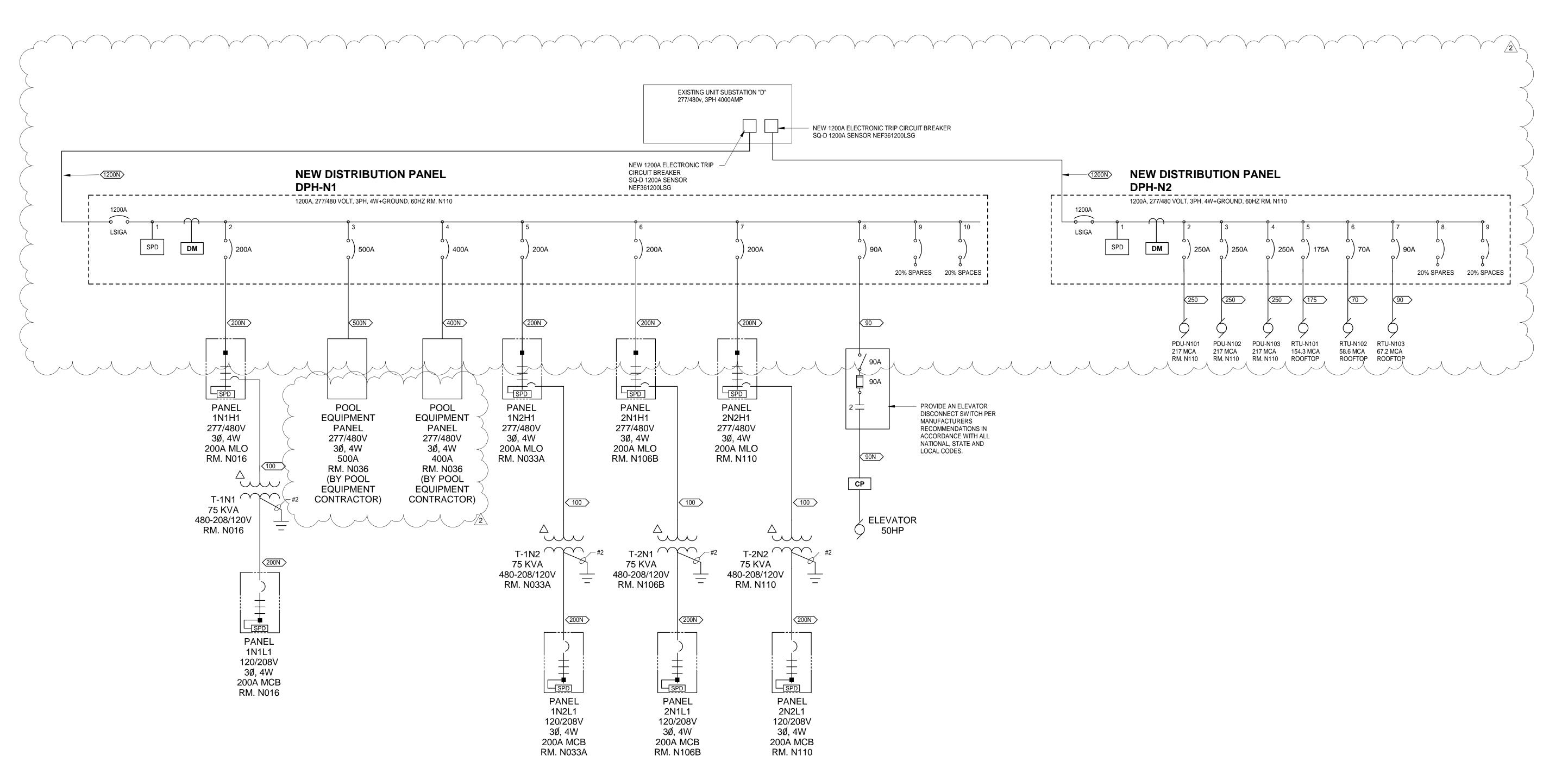
CONSTRUCTION DOCUMENTS



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

REV. NO.△	DESCRIPTION	DATE
2	ADDENDUM #2	2.01.2022
-		
-		

ONE-LINE DIAGRAMS



**ONE-LINE DIAGRAM** 

SCALE: N.T.S.

<u> </u>	NO.		ONDUCTOR SIZE	<u> </u>	CONDU
FEEDER	OF	PHASE	NEUTRAL	GROUND	SIZE
LEGEND	SETS	QTY	(1)	(1)	Inch
15	1	3 # 14		#14	3/
15N	1	3 # 14	#14	#14	3/
20	1	3 # 12		#12	3/
20N	1	3 # 12	#12	#12	3/
30	1	3 # 10		#10	3/
30N	1	3 # 10	#10	#10	3/-
40	1	3#8		#10	3/
40N	1	3#8	#8	#10	3/
60	1	3#6		#10	1
60N	1	3#6	#6	#10	1
80	1	3 # 4		#8	1
80N	1	3 # 4	#4	#8	1
100	1	3#3		#8	1
100N	1	3#3	#3	#8	1
125	1	3 # 1		#6	2
125N	1	3 # 1	#1	#6	2
150	1	3 # 1/0		#6	2
150N	1	3 # 1/0	#1/0	#6	2
175	1	3 # 2/0		#6	2
175N	1	3 # 2/0	#2/0	#6	2
200	1	3 # 3/0		#6	2
200N	1	3 # 3/0	#3/0	#6	2
225	1	3 # 4/0		#4	2
225N	1	3 # 4/0	#4/0	#4	2
250	1	3 # 250		#4	2
250N	1	3 # 250	#250	#4	2
300	1	3 # 350	200	#3	3
300N	1	3 # 350	#350	#3	3
		3 # 500	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	#3	4
350 350N	1	3 # 500	#500	#3	4
350N	1	3 # 600	#300	#3	4
400	1	3 # 600	#600	#3	4
400N	1		#000		
500	2	3 # 250	#250	#2	2
500N	2	3 # 250	#250		2
600	2	3 # 350	#250	#1	3
600N	2	3 # 350	#350	#1	3
800	2	3 # 600	#200	#1/0	4
800N	2	3 # 600	#600	#1/0	4
1000	3	3 # 400		#2/0	3
1000N	3	3 # 400	#400	#2/0	3
1200	3	3 # 600		#3/0	4
1200N	3	3 # 600	#600	#3/0	4
1600	4	3 # 600		#4/0	4
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
	-	3 # 600	#600	#400	ļ

COPPER FEEDER SCHEDULE

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

			ONE	E LINE DIA	GRAM SYMBOLS				
	MAIN LUG ONLY	DM	DIGITAL ELECTRONIC POWER METER	•		-9 OFF	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	COMBINATION MAGNETIC MOTOR STARTER WITH FUSED SWITCH		DISCONNECT SWITCH IN SWITCHBOARD, 3P UNO		CURRENT TRANSFORMERS, 3 UNO
1AL1		— <b>M</b>	UTILITY METER	•			FUSED BOLTED PRESSURE SWITCH WITH GROUND FAULT AND SINGLE PHASE PROTECTION, 3P UNO		CAPACITOR
	MAIN BREAKER IN CIRCUIT BREAKER PANELBOARD, REFER TO E8 SERIES DRAWINGS FOR PANELBOARD SCHEDULES	+	MAIN BREAKER IN CIRCUIT BREAKER PANELBOARD WITH SUB-FEED BREAKER, REFER TO E8 SERIES DRAWINGS	) 上 子	COMBINATION MAGNETIC MOTOR STARTER WITH CIRCUIT BREAKER	OE ON	TRANSFER SWITCH	——————————————————————————————————————	EARTH GROUND
2AL1		XXXA 5AL1	FOR PANELBOARD SCHEDULES	5	COMBINATION MAGNETIC MOTOR		DISCONNECT, 3P UNO		LIGHTNING ARRESTER
	THROUGH FEED LUGS		MAIN BREAKER IN	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	STARTER WITH MOTOR CIRCUIT PROTECTOR		MOLDED CASE CIRCUIT BREAKER, 3P UNO	$\longrightarrow$	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
3AL1		SPD 6AL1	SCHEDULES	vsc 	STARTER WITH VARIABLE SPEED CONTROLLER		INSULATED CASED POWER CIRCUIT BREAKER WITH L.I.S.G. PROTECTION FEATURES, 3P UNO		
	MAIN DOUBLE LUG		MAIN BREAKER IN CIRCUIT BREAKER PANELBOARD	•		- <del></del>	DRAWOUT CIRCUIT BREAKER, 3P UNO	(x)	3 PHASE MOTOR. X INDICATES HORSEPOWER OR KILOWATTS
# #	CIRCUIT BREAKER PANELBOARD, REFER TO E8 SERIES DRAWINGS FOR PANELBOARD SCHEDULES		WITH SPD MOUNTED ADJACENT WITH CLOSED NIPPLE, REFER TO E8 SERIES DRAWINGS	 	COMBINATION MAGNETIC MOTOR STARTER WITH ELECTRONIC OVERLOADS	<u>\$</u>	SHUNT TRIP OPERATED CIRCUIT	СР	CONTROL PANEL FURNISHED UNDER DIVISION 25
'			FOR PANELBOARD SCHEDULES				BREAKER		

					LU	UMINAIRE SC	HEDULE						LUMI	IINAIRE SCHEDULE	
PLAN TYPE	MANUFACTURER/CATALOG	MOUNTING I	NO. WATT	LAMPS TS TYPE	LUMEN S	APPLIED VOLTAGE	DESCRIPTION	VA LOAD	PLAN TYPE	MANUFACTURER/CATALOG	MOUNTING NO			APPLIED VOLTAGE DESCRIPTION	VA LOAD
L7	SPI LIGHTRUSS LED GEN2 SERIES PROVIDE AN ALLOWANCE FOR MATERIAL ONLY. ADD LABOR	SUSPENDED	1 433 W	V LED	54904 Im		LED INDIRECT TRUSS SYSTEM FIXTURE. NATATORIUM RATED 4,000K. COLOR SELECTED FROM MANUFACTURERS STANDARD COLORS.	433 VA	LR2X	METALUX WNLED SERIES DAY-BRITE OWL SERIES LITHONIA SBL SERIES COLUMBIA LAW SERIES	SUSPENDED 1	48 W L	ED 4000 lm 2	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).	27 VA
L7X	REQUIRED FOR INSTALLATION  SPI LIGHTRUSS LED GEN2 SERIES PROVIDE AN ALLOWANCE FOR	SUSPENDED	1 433 W	V LED	54904 Im		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	LRV4	LITHONIA VAP LED SERIES METALUX 4VT2 LED SERIES COLUMBIA LXEM SERIES	SUSPENDED 1	64 W	ED 8000 lm 2	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.	62 VA
LBP1 LC432	MATERIAL ONLY. ADD LABOR REQUIRED FOR INSTALLATION COOPER INVUE SPI LIGHTING - NOVATO LINES	BOLLARD SUSPENDED	1 37 W 1 32 W		1276 lm 3300 lm	277 V	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	LRV4X	LITHONIA VAP LED SERIES METALUX 4VT2 LED SERIES COLUMBIA LXEM SERIES	SUSPENDED 1	64 W L	.ED 8000 lm 2	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.)	62 VA
LC535	AND ARCS SERIES  SPI LIGHTING - NOVATO LINES AND ARCS SERIES	SUSPENDED 1	1 35 W		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 L	.ED 29800 2°	SPIDER MOUNT, BLACK, TYPE 3 DISTRIBUTION. MOUNT ON A 30'-0" STRAIGHT ROUND ALUMINUM POLE.	270 VA 5
LC648 LD61	SPI LIGHTING - NOVATO LINES AND ARCS SERIES PORTFOLIO LD6A SERIES	SUSPENDED RECESSED	1 48 W	LED	4900 lm	277 V	AIP12235 6FT-L48W 6 FOOT RADIUS X 45 DEGREE (HIGH OUTPUT) 3-SIDE LUMINOUS FORM LENS 6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM	48 VA 22 VA	LS2	COOPER INVUE	POLE TOP 1	270 W L	lm	SPIDER MOUNT, BLACK, TYPE 3 DISTRIBUTION. MOUNT ON A 12'-0" STRAIGHT ROUND ALUMINUM POLE.	270 VA
LD61X	GOTHAM EVO SERIES PRESCOLITE LC6 SERIES LIGHTOLIER C6L SERIES PORTFOLIO LD6A SERIES	RECESSED	1 11 \\	LED	1500 lm		DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 4000K, 80+ CRI, 0-10VDC DIMMING, BAR HANGER ACCESSORY.  6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM	11 VA	LT044H	MARK ARCHITECTURAL SLOT 4 LED SERIES LUMENWERX VIA 4 SERIES FINELITE HP-4 SERIES	RÉCESSED 1	40 W   L	.ED 1000 lm 2	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.	40 VA
LDOTA	GOTHAM EVO SERIES PRESCOLITE LC6 SERIES LIGHTOLIER C6L SERIES		1 11 77				DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 4000K, 80+ CRI. 0-10VDC DIMMING, BAR HANGER ACCESSORY, WITH EMERGENCY TRANSFER DEVICE.	2	LT044HX	MARK ARCHITECTURAL SLOT 4 LED SERIES LUMENWERX VIA 4 SERIES FINELITE HP-4 SERIES	RECESSED 1	40 W	ED 4000 lm 2	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.	
LD62	GOTHAM EVO SERIES PRESCOLITE LC6 LED SERIES OMEGA REVELATION SERIES PORTFOLIO LD SERIES	RECESSED	1 19 W	STATE LED			6-INCH ROUND APERTURE LED DOWNLIGHT, OPEN REFLECTOR WIDE BEAM SPREAD, SELF-FLANGE, CLEAR SPECULAR FINISH WITH EMERGENCY TRANSFER DEVICE.	19 VA	LT046H	MARK ARCHITECTURAL SLOT 4 LED SERIES LUMENWERX VIA 4 SERIES FINELITE HP-4 SERIES	RECESSED 1		SOLID 1000 lm 2°	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.	48 VA
LD62X	GOTHAM EVO SERIES PRESCOLITE LC6 LED SERIES OMEGA REVELATION SERIES PORTFOLIO LD SERIES PHILIPS P6R SERIES	REĆESSED	1 19 W	STATE LED	2000 lm		6-INCH ROUND APERTURE LED DOWNLIGHT, OPEN REFLECTOR WIDE BEAM SPREAD, SELF-FLANGE, CLEAR SPECULAR FINISH.	19 VA	LT046HX	MARK ARCHITECTURAL SLOT 4 LED SERIES. WITH EMERGENCY TRANSFER DEVICE. LUMENWERX VIA 4 SERIES FINELITE HP-4 SERIES			SOLID 6000 lm 2°	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.	24 VA
LDW61	PORTFOLIO LD6B SERIES GOTHAM EVO SHOWER SERIES PRESCOLITE LF6LEDG4 SERIES LIGHTOLIER C6L SERIES	RÈCESSED			1000 lm		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	MARK ARCHITECTURAL SLOT 4 LED SERIES LUMENWERX VIA 4 SERIES FINELITE HP-4 SERIES	RECESSED 1		SOLID 800 lm 2° STATE ED	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.	48 VA
LDW61X	PORTFOLIO LD6B SERIES GOTHAM EVO SHOWER SERIES PRESCOLITE LF6LEDG4 SERIES LIGHTOLIER C6L SERIES	RECESSED					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	MARK ARCHITECTURAL SLOT 4 LED SERIES LUMENWERX VIA 4 SERIES FINELITE HP-4 SERIES	RECESSED 1		SOLID 1000 lm 2°	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 SOURCE DATA BASED ON 8 FOOT SECTION. LUMENS LISTED IS PER LINEAR FOOT.	80 VA
LE1	LITHONIA WSO LED SERIES EATON ISS IMPACT ELITE SERIES HUBBELL QSP SERIES	<b>S</b> ÚRFACE		LED	2000 lm		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.		LT048HX	MARK ARCHITECTURAL SLOT 4 LED SERIES LUMENWERX VIA 4 SERIES FINELITE HP-4 SERIES	RECESSED 1	40 W L	.ED 4000 lm 2		-
LE1X	LITHONIA WSQ LED SERIES EATON ISS IMPACT ELITE SERIES HUBBELL QSP SERIES	SURFACE		LED	2000 lm		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.	20 VA	LTFW1	FAIL-SAFE TRISEAL CLM SERIES KENALL-CSEDO SERIES KURTZON LIGHTING FP/EZ SERIES	RECESSED 1	52 W L	.ED 4379 lm 2	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.	52 VA
LF2	LITHONIA CPX SERIES EATON METALUX 24 FP SERIES COLUMBIA CFP SERIES DAYBRITE 2FPZ SERIES	RECESSED	1 42 W	LED	4800 lm		2 BY 4-FOOT, EDGE LIT FLAT PANEL WITH ALUMINUM FRAME, 4000K, 80+ CRI, 0-10V DIMMING.	42 VA	LTFW1X	FAIL-SAFE TRISEAL CLM SERIES KENALL CSEDO SERIES KURTZON LIGHTING FP/EZ	RECESSED 1	52 W L	ED 4379 lm 2	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.	52 VA
LF2X	LITHONIA CPX SERIES EATON METALUX 24 FP SERIES COLUMBIA CFP SERIES DAYBRITE 2FPZ SERIES	RECESSED	1 42 W	LED	4800 lm		2 BY 4-FOOT, EDGE LIT FLAT PANEL WITH ALUMINUM FRAME, 4000K, 80+ CRI, 0-10V DIMMING WITH AN EMERGENCY TRANSFER DEVICE.	42 VA	LTK1	SERIES TIMES SQUARE XT13 SERIES BRUCK LIGHTING Z25 SERIES SPECTRUM SRTVLEDXT SERIES	TRACK 1	25 W L	ED 1300 lm 1:	PROVIDE SINGE-CIRCUIT OR 2-CIRCUIT TRACK PER DRAWINGS, LENGTH AND CONFIGURATION PER DRAWINGS. PROVIDE ALL REQUIRED ACCESSORIES, FITTINGS,	25 VA
LF3	LITHONIA CPX SERIES EATON METALUX 24 FP SERIES COLUMBIA CFP SERIES DAYBRITE 2FPZ SERIES	RECESSED	1 48 W	LED	5400 lm		2 BY 4-FOOT, EDGE LIT FLAT PANEL WITH ALUMINUM FRAME, 4000K, 80+ CRI, 0-10V DIMMING	48 VA	LTT1	LUMENPULSE LATSL SERIES CONTECH LIGHTING NCTL LUMINII LINE LED SERIES QTRAIN SW SERIES	RECESSED 1	8 W L	ED 950 lm 2	4000K, 950 LUMENS PER LINEAR FOOT, MOUNTED SO BOTTOM OF LENS IS FLUSH WITH	8 VA 3
LF3X	LITHONIA CPX SERIES EATON METALUX 24 FP SERIES COLUMBIA CFP SERIES DAYBRITE 2FPZ SERIES	RECESSED	1 53 W	LED	6000 lm		2 BY 4-FOOT, EDGE LIT FLAT PANEL WITH ALUMINUM FRAME, 4000K, 80+ CRI, 0-10V DIMMING WITH EMERGENCY TRANSFER DEVICE.	53 VA	LTT1X	KELVIX CH300 SERIES  LUMINII LINE LED SERIES  QTRAIN SW SERIES	RECESSED 1	8 W L	.ED 950 lm 2	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	38 VA
LN4	LUMENWERX VIA 4 SERIES MARK ARCHITECTURAL SLOT 4 SERIES LITECONTROL MOD 4 LED	SUSPENDED	1 101 W	V LED	1200 lm		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.	26 VA	LWW1	KELVIX CH300 SERIES  LUMINOS GLOBAL LIGHTING SCN SERIES	SURFACE 1 WALL	30 W L	.ED 2700 lm 2	BOTTOM AND VERTICAL FACE OF ADJACENT CLOUDS. PROVIDE ALL MOUNTING ACCESSORIES AS REQUIRED FOR A COMPLETE SY  WALL MOUNTED DOWNLIGHT WITH A NARROW BEAM OF BLUE LIGHT AS APPROVED BY ARCHITECT/ENGINEER TO ILLUMINATE THE COLUMN. COLOR SELECTED FROM	
LP1	SERIÉS Y Y Y SERIES VISA CANOPY CP2024 SERIES	SUSPENDED	1 53 W	LED	4723 lm	277 V	PAVO 4" X 4-FOOT TALL, 4000K, MEDIUM DISTRIBUTION DOWNLIGHT	53 VA	-	LEGMAN UJE SERIES KIRLIN LRR-08471-465 SERIES PMC 6LE-AURA SERIES	K		.ED 658 lm 2	BY ARCHITECT/ENGINEER TO ILLUMINATE ALCOVE.	
- LP1X	OCL TB3 SERIES  SPI LIGHTING PAVO 4 SERIES VISA CANOPY CP2024 SERIES OCL TB3 SERIES	SUSPENDED	1 53 W	LED	4723 lm		PAVO 4" X 4-FOOT TALL, 4000K, MEDIUM DISTRIBUTION DOWNLIGHT, EMERGENCY TRANSFER DEVICE	53 VA	RL1	LUMINII KURBA SERIES QTRAIN KURU SERIES KELVIN SW3 SERIES	RECESSED 1		SOLID 100 lm 2° STATE LED	COLOR CHANGING ROPE LIGHT TO BE INSTALLED IN CASEWORK FRAMING. PROVIDE ALL NECESSARY MOUNTING HARDWARE, DRIVERS AND DMX CONTROLS AS REQUIRED FOR A COMPLETE SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND LENGTHS.	
LP046L	MARK ARCHITECTURAL SLOT 4 LED SERIES LUMENWERX VIA 4 SERIES FINELITE HP-4 SERIES	SUSPENDED	1 48 W	SOLID STATE LED	800 lm		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.	48 VA	XC	SURE LITES CX SERIES CHLORIDE 55 LINE SERIES LITHONIA SIGNATURE SERIES DUAL-LITE SEMPRA SERIES OR A/E APPROVED EQUAL	SURFACE 1 CEILING	3 W F	RED 0 lm 2'	CAST ALUMINUM AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.	3 VA
I D0401	MARK ARCHITECTURAL CLOT 4	OUGDENDED	4 40.144	00110	000 1	077.17	A" DV 9 FOOT LED LINEAD DENDANT CLOT FIVTUDE. CLICDEND FIVTUDE CO DOTTOM	10.1/4	X\/\//	SURE-LITES UX SERIES	SLIDEACE 1	3 ///	RED 0 lm 2	277 V CAST ALLIMINUM VANDAL RESISTANT AC ONLY EXIT SIGN. SINGLE FACE DIRECTIONAL	3 \/Δ

SURE-LITES UX SERIES

LITHONIA LV SERIES

CHLORIDE 60 LINE SERIES

DUAL-LITE SEWL SERIES

CHLORIDE 55 LINE SERIES LITHONIA SIGNATURE SERIES

DUAL-LITE SEMPRA SERIES

SURE-LITES CX SERIES

SURFACE

WALL

1 3 W RED 0 lm 277 V

SURFACE 1 3 W RED 0 lm 277 V

IS PER LINEAR FOOT.

LP048L MARK ARCHITECTURAL SLOT 4 SUSPENDED 1 48 W SOLID 600 lm 277 V

STATE

LED

SUSPENDED 1 48 W LED 4000 lm 277 V

LED SERIES

LUMENWERX VIA 4 SERIES

FINELITE HP-4 SERIES

METALUX WNLED SERIEŞ

DAY-BRITE OWL SERIES

LITHONIA SBL SERIES COLUMBIA LAW SERIES 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

4-FOOT LED WRAP AROUND FIXTURE, ACRYLIC PRISMATIC DIFFUSER, 0-10VDC

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

CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

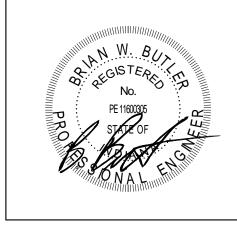
520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS



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.

1 / L V .		
NO.	DESCRIPTION	DATE
1	ADDENDUM #1	1.25.2022
2	ADDENDUM #2	2.01.2022

LUMINAIRE SCHEDULES

LUMINAIRE SCHEDULE - GENERAL NOTES SEE SPECIFICATIONS FOR DRIVER REQUIREMENTS. . FOR ALL DOWNLIGHTING FIXTURES, PROVIDE REQUIRED MOUNTING HARDWARE FOR MOUNTING IN LAY-IN TYPE CEILINGS. . CONTRACTOR TO VERIFY TYPES AND QUANTITY OF LIGHT

FIXTURES REQUIRING EMERGENCY TRANSFER DEVICES AND

CAST ALUMINUM, VANDAL RESISTANT AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL 3 VA

ARROWS INDICATED, WHITE HOUSING, LISTED FOR WET LOCATIONS. REFER TO

CAST ALUMINUM AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS

INDICATED, WHITE HOUSING. REFER TO PROJECT MANUAL FOR ADDITIONAL

PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

REQUIREMENTS.

PROVIDE REQUIRED QUANTITY OF EMERGENCY TRANSFER DEVICES, LABOR, MATERIAL, ETC. IN THE PROJECT BID FOR FIELD INSTALLATION OF EMERGENCY TRANSFER DEVICES. . LIGHT FIXTURE SUBMITTALS TO INCLUDE DATA SHEETS FOR ALL FIXTURE TYPES, INCLUDING ADDITIONAL DATA SHEETS FOR DRIVER COMBINATIONS REQUIRED TO MEET THE INSTALLATION REQUIREMENTS OF THE VARIOUS FIXTURE TYPES INDICATED IN THE REMARKS COLUMN OF THE FIXTURE SCHEDULES OR ON THE DRAWINGS. SUBMITTALS SHALL ALSO INDICATE COLOR FOR ANY CUSTOM COLOR LIGHT FIXTURES.

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

	Location: ELECTRICAL No Supply From: T-1N1  Mounting: Surface Enclosure: Type 1  INTEGRAL SURGE PROTECTION  CIRCUIT BREAKER 5mA.	016				Volts: Phases: Wires:		Wye				A.I.C. Rating: 10,000 Mains Type: MCB Mains Rating: 200 A MCB Rating: 200A	
KT	Circuit Description	Trip	Poles		4	F	3	(	;	Poles	Trip	Circuit Description	СКТ
1	Receptacle - Rm. N004, N005, N026, EXT.	20 A	1	1260	700	_				1		VAV-N001 - VAV-N006 (Lower Level)	2
3	Receptacle - Rm. N009, N013, N016, N026, EXT.	20 A	1			1440	690			1	20 A	CUH-N001 - Rm. N026, EF-N006, EF-N007	4
5	Receptacle - IDF Backboard Rm. N009	20 A	1					720	1600	1		HAIR DRYER - Rm. N006	6
7	Receptacle - IDF Rack Rm. N009	20 A	1	1800	1600	4.440	1000			1		HAIR DRYER - Rm. N006	8
9 11	Receptacle - Rm. N003, N004 Receptacle - Rm. N006, N008	20 A 20 A	1			1440	1600	1080	1600	1		HAIR DRYER - Rm. N008 HAIR DRYER - Rm. N008	10
13	Overhead Coiling Grille - Rm. N006, N008	20 A	1	1587	1600			1000	1000	1		HAIR DRYER - Rm. N017	14
15	Receptacle - Rm. N017, N019	20 A	1			1260	1600			1		HAIR DRYER - Rm. N017	16
17	Overhead Coiling Grille - Rm. N017, N019	20 A	1					1587	1600	1	30 A	HAIR DRYER - Rm. N019	18
19	Receptacle - Rm. N024, N025	20 A	1	1440	1600					1	30 A	HAIR DRYER - Rm. N019	20
21	Receptacle Rm. N023, N026, N027, EXT.	20 A	1			1440	180	1000	100	2		SCOREBOARD - Rm. N021	22
23 25	Water Coolers - Rm. N021 Pool Deck (NOTE 1) Receptacle - Rm. N021	20 A 20 A	1	1080	180			1200	180	2	 20 Δ	SCOREBOARD - Rm. N021	24
25 27	Receptacle - Rm. N021 Receptacle - Rm. N021	20 A	1	UOU	180	1080	180			2	20 A	SOUNEBOARD - KIII. NUZ I	28
29	Receptacle - Rm. N006	20 A	1			1000	100	720	180	2		SCOREBOARD - Rm. N021	30
31	Receptacle - Rm. N008	20 A	1	720	180				. 30				32
33	Receptacle - Rm. N017	20 A	1			720	180			2	20 A	SCOREBOARD - Rm. N021	34
35	Receptacle - Rm. N019	20 A	1					720	180				36
37	RECORDS BOARD - Rm. N021	20 A	2	180	180					2	20 A	SCOREBOARD - Rm. N021	38
39						180	180						40
41 42	RECORDS BOARD - Rm. N021	20 A	2	100	100			180	180	2		SCOREBOARD - Rm. N021	42
43 45	SCOREBOARD - Rm. N021	 20 A	2	180	180	180	180			2	20 A	SCOREBOARD - Rm. N021	44
47						100	100	180	180				48
49	SCOREBOARD - Rm. N021	20 A	2	180	180			.00		2	20 A	SCOREBOARD - Rm. N021	50
51						180	180						52
53	SCOREBOARD - Rm. N021	20 A	2					180	180	2	20 A	SCOREBOARD - Rm. N021	54
55				180	180								56
57	SCOREBOARD - Rm. N021	20 A	2			180	180	400	400	2	20 A	SCOREBOARD - Rm. N021	58
59 61	SCOREBOARD - Rm. N021	 20 A	2	180	180			180	180	2	20 A	SCOREBOARD - Rm. N021	60 62
63				100	100	180	180						64
65	SCOREBOARD - Rm. N021	20 A	2					180	180	2	20 A	SCOREBOARD - Rm. N021	66
67				180	180								68
69	Receptacle - Rm. N021	20 A	1			540	450			1		UNDERWATER POOL LIGHTS - Rm. N021	70
71	PACE CLOCKS - Rm. N021	20 A	1	0	450			360	600	1		UNDERWATER POOL LIGHTS - Rm. N021	72
73 75	Spare Spare	20 A 20 A	1	0	450	0	0			1	20 A 20 A	UNDERWATER POOL LIGHTS - Rm. N021 Spare	74 76
77	Spare	20 A	1			J	U	0	0	1	20 A	Spare	78
79	Spare	20 A	1	0	0			-	-	1		Spare	80
31	Spare Spare	20 A	1			0	0			1	20 A	Spare	82
33	Spare	20 A	1					0	0	1	20 A	Spare	84
			al Load: I Amps:	1635	57 VA 7 A	1460 122		1412 118					
gend	<b>l</b> :	Tota	i Amps:	13	<i>7</i> A	122	2 A	116	<b>У</b> А				
ad C	lassification		<b>nected L</b> 3864 VA			mand Fac 110.27%			<b>ated De</b> 4261 VA			Panel Totals	
ner			15000 VA			100.00%			5000 VA			Total Conn. Load: 45084 VA	
	acle - Convenience	•	18300 VA	١		77.32%			4150 VA	A		Total Est. Demand: 39891 VA	
cepta			720 VA 7200 VA			100.00%			720 VA 5760 VA			Total Conn.: 125 A Total Est. Demand: 111 A	
сери	acle - Special		7200 VA			80.00%			3760 VA	1		Total Est. Demand. 111 A	
tes:													

Notes:	Branch Panel: 2N2L1  Location: MECHANICAL F Supply From: T-2N2  Mounting: Surface Enclosure: Type 1  INTEGRAL SURGE PROTECTION	ROOM-1	N110		1	Volts: Phases: Wires:		) Wye				A.I.C. Rating: 10,000 Mains Type: MCB Mains Rating: 200 A MCB Rating: 200A		
СКТ	Circuit Description	Trip	Poles	Λ /	VA)	<b>B</b> /	VA)	C (	VA)	Poles	Trip	Circuit De	scription	СКТ
1	Receptacle - Rm. N110	20 A	1	720	900	В	VA)	U (	VA)	1	•	Receptacle - Rm. N036	SCription	2
3	Receptacle - Rm. N110	20 A	1	120	300	720	900			1		Receptacle - Rm. N036		4
	DWH-1 Rm. D110	20 A	1			120	300	1440	1080	1		Receptacle - Rm. N036, N	0364 N036B	6
7	DWH-1 Rm. D110	20 A	1	1440	1260			1770	1000	1		Receptacle - Rm. N021B,	:	8
9	DWH-1 Rm. D110	20 A	1	1 770	1200	1440	900			1		Receptacle - Rm. N021D	11000, O 7, EAT.	10
11	DWH-1 Rm. D110	20 A	1			1440	300	1440	900	1		Receptacle - Rm. N021D		12
13	HWCP-1 Rm. N110	20 A	1	506	920			1440	300	1		PUH-N001, N002, N004 R	m N037-N038	14
15	Wate Softener (WS-1) Rm. N110	20 A	1		020	360	1127			1		PUH-N005, N006, N007 R		16
17	PUH-N101 Rm. N110	20 A	1					230	506	1		EF-N001 Rm. N036	1111 11000, 11000, 11000, 1	18
19	SSCU-N002/ACCU-N101 Rm. N110	20 A	2	791	460			200	000	1		EF-N003, EF-N004		20
21		2011	7			791	1357			1		EF-N103, EF-N104 - Rm.N	1037	22
23	LIFT STATION PUMP 2	30 A			<u> </u>	γ	133.7	2500	750	1	20 A	TEMPERATURE CONTRO		24
25	Spare A A	, 20 A	1	0	0					1		Spare		26
27/	Spare	20 A	1			0	0			1	20 A	Spare		28
29	Spare	20 A	1					0	0	1	20 A	Spare		30
31	Spare	20 A	1	0	0					1		Spare		32
33	Spare	20 A	1			0	0			1	20 A	Spare		34
35	Spare	20 A	1			-		0	0	1	20 A	Spare		36
37	Spare	20 A	1	0	0					1	20 A	Spare		38
39	Spare	20 A	1			0	0			1		Spare		40
41	Spare	20 A	1					0	0	1		Spare		42
	- CPAII O		al Load:	699	7 VA	7595	 5 VA	_	6 VA			Oparo		
			I Amps:		3 A		I A		1 A	1				
Legend	d: Classification	Con	nected L	oad	Den	nand Fa	ctor	Estim	nated De	mand		Panel 1	otals	
Motor			6687 VA			105.91%			7082 VA				<del>-</del>	
Other			6510 VA			100.00%			6510 VA			Total Conn. Load:	23437 VA	
	acle - Convenience		9880 VA			100.00%			9880 VA			Total Est. Demand:		
Recept			360 VA		-	100.00%			360 VA			Total Conn.:		
												Total Est. Demand:		

	Branch Panel: 1N2L1	J00 4 4				Valt-	000400	)				<b>A.I.C. Rating</b> : 10,000			Branch Pan		
	Location: ELECTRICAL N Supply From: T-1N2 Mounting: Surface Enclosure: Type 1 INTEGRAL SURGE PROTECTION	N034A				Volts: Phases: Wires:		) Wye		Mains Type: MCB  Mains Rating: 200 A  MCB Rating: 200A				Supply Mou Encl Notes: INTEGRAL SURGE PROT			
	I CIRCUIT BREAKER 5mA. I CIRCUIT BREAKER 30mA.														Circuit Breaker 5mA Circuit Breker 30mA		
CKT	Circuit Description  Receptacle - N026	Trip	Poles	1260	<b>A</b> 1260		В	(	C	Poles	Trip 20 A	•	CKT	CKT	Circuit Desc Receptacle - Rm. N101, N1		
3	Receptacle - Rm. N046, E-2, E-2 shaft lights	20 A 20 A	1	1200	1200	640	1000			1		Vending Machine - Rm. G016 (NOTE 2)	2	3	Receptacle - Rm. N103, N1		
<u>5</u>	Garbage Disposal - Rm. N034	20 A	1			040	1000	1840	1000	1	20 A	, ,	6	5	Receptacle - Rm. N103, N1		
7	Receptacle - Rm. N021	20 A	1	180	1440			1040	1000	1	20 A	, ,	8	7	Water Cooler - Rm. N103 (N		
9	Elevator Cab Lights - E-2	20 A	1	100	1440	180	900			1	20 A		10	9	Receptacle - Rm. N103, N1		
11	Receptacle - Rm. N026	20 A	1			100	300	1440	900	1	20 A	<u> </u>	12	11	Receptacle - Rm. N103, N1		
13	Receptacle - Rm. N026	20 A	1	1440	1080			1440	900	1	20 A	·	14	13	Water Cooler - Rm. N103 (N		
	Receptacle - Rm. N031 - N034A	20 A	1	1440	1000	1080	500			1	20 A	·		15	Receptacle - Rm. N103, N1		
15 17	EF-N005 - Rm.N034A, EF-N008 Rm.N034	20 A	1			1000	300	851	460	1	20 A		16 18	17	Receptacle - Rm. N103, N1		
	Receptacle - N021	20 A	1	360	1000			001	460	1		Refrigerator - Rm. N028A	_	17	Receptacle - Rm. N109		
19	·		1	360	1000	720	1000			1			20		•		
21	Receptacle - IDF Backboard Rm. N033	20 A	1			720	1000	1800	1000	1	20 A		22	21	Receptacle - Rm. N111 Floor Boxes - Rm. N111		
23	Receptacle - IDF Rack Rm. N033	20 A	1	200	1000			1800	1000	1	20 A		24	23			
25	VAV-N007, N008, N011	20 A	1	300	1000	4507	0500			1	20 A		26	25	Coiling Grille - Rm. N112		
27	Coiling Grille - Rm. N034	20 A	1			1587	2500	1000	0500	2	30 A	Oven - Rm. N028A	28	27	Refrigerator Rm. N112		
29	Refrigerator - Rm. N034	20 A	1	4000	4500			1000	2500			M'annual Day NOOOA	30	29	Refrigerator Rm. N112		
31	Refrigerator - Rm. N034	20 A	1	1000	1500	5.40	4500			1	20 A		32	31	Ice Maker - Rm. N112		
33	Receptacle - Rm. N034	20 A	1			540	1500	= 10	100	1	20 A		34	33	Receptacle - Rm. N112		
35	Receptacle - Rm. N034	20 A	1					540	180	1	20 A	· · · · · · · · · · · · · · · · · · ·	36	35	Receptacle - Rm. N112		
37	Receptacle - Rm. N034	20 A	1	720	540					1	20 A	•	38	37	Receptacle - Rm. N112		
39	Refrigerator Rm. N028	20 A	1			1000	540			1	20 A	Receptacle - Rm. N028A	40	39	SSCU-N001/ACCU-N201 -		
41	Receptacle - Rm. N028	20 A	1					720	1000	1	20 A		42	41			
43	Receptacle IT CAB - Rm. N021A	20 A	1	1800	900					1	20 A	Receptacle - Rm. N021, N039	44				
45	Receptacle - Rm. N028	20 A	1			720	1080			1	20 A	·	46				
47	Receptacle - Rm. N028	20 A	1					540	1260	1	20 A	Receptacle - Rm. N021A	48	Legend	:		
49	Receptacle - Rm. N028	20 A	1	540	750					2	30 A	Coffee Maker - Rm. N028	50				
51	Receptacle - Rm. N028	20 A	1			720	750						52				
53	Receptacle - Rm. N028	20 A	1					900	750	2	30 A	HOT WATER TAP - Rm. N028	54	Load C	lassification		
55	Floor Boxes - Rm. N028	20 A	1	540	750								56	Motor			
57	Floor Boxes - Rm. N028	20 A	1			540	180			1	20 A	Receptacle - Rm. N028A	58	Other			
59	Water Cooler - Rm. N021 (NOTE 1)	20 A	1					600	180	1	20 A	Receptacle - Rm. N028A	60	Recepta	acle - Convenience		
61	Receptacle - A/V Equipment Rack Rm. N033A	20 A	1	1200	180					1	20 A	Receptacle - Rm. N028A	62	Recepta	acle		
63	Receptacle - A/V Equipment Rack Rm. N033A	20 A	1			1200	180			1	20 A	Receptacle - Rm. N028A	64	Recepta	acle - Refrigerator		
65	Receptacle - A/V Equipment Rack Rm. N033A	20 A	1					1200	180	1	20 A	Receptacle - Rm. N028A	66				
67	Receptacle - A/V Equipment Rack Rm. N033A	20 A	1	1200	1840					1	20 A	Garbage Disposal - Rm. N028A	68				
69	Receptacle - A/V Equipment Rack Rm. N033A	20 A	1			1200	225			1	20 A	UNDERWATER POOL LIGHTS - Rm. N021	70	Notes:			
71	Receptacle - A/V Equipment Rack Rm. N033A	20 A	1					1200	0	1	20 A	Spare	72				
73	Receptacle - A/V Equipment Rack Rm. N033A	20 A	1	1200	0					1	20 A	Spare	74				
75	Receptacle - A/V Equipment Rack Rm. N033A	20 A	1			1200	0			1	20 A	•	76				
77	RECORDS BOARD - Rm. N021	20 A	2					180	0	1	20 A		78				
79				180	0					1	20 A	·	80				
81	RECORDS BOARD - Rm. N021	20 A	2			180	0			1	20 A		82				
83								180	0	1		Spare	84				
	1	Tot	al Load:	2416	0 VA	2186	62 VA	2240									
1	1.	Tota	al Amps:	20	2 A	18	32 A	18	7 A								
Legen	<b>1</b> :																
Load (	Classification	Con	nected L	oad	Пег	mand Fa	octor	Fetim	nated De	mand		Panel Totals					
Motor			6578 VA	1		106.99%			7038 V	١							
Othor			1025 \//		1	100 000			1025 \//			Total Conn. Load: 69/23 \/A					

100.00%

100.00%

50.00%

80.00%

80.00%

60.00%

65.69%

1025 VA

20930 VA

2360 VA

1500 VA

6400 VA 4576 VA

5928 VA

1025 VA

31860 VA

2360 VA

3000 VA

5720 VA

9880 VA

**Branch Panel: 2N1L1** Location: ELECTRICAL N106B Supply From: T-2N1

20 A 1 1440 1260

20 A 1 1260 1587

30 A 2

Connected Load

6020 VA

1480 VA

18180 VA

2360 VA

3000 VA

20 A 1

20 A 1 1200 360 20 A 1 1080 360

600 1000

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

Mounting: Surface Enclosure: Type 1 Notes: INTEGRAL SURGE PROTECTION

1. GFCI Circuit Breaker 5mA

2. GFCI Circuit Breker 30mA

Circuit Description

1 Receptacle - Rm. N101, N102, N103

5 Receptacle - Rm. N103, N106, N106B

7 Water Cooler - Rm. N103 (NOTE 1) 9 Receptacle - Rm. N103, N107, N108

11 Receptacle - Rm. N103, N109 13 Water Cooler - Rm. N103 (NOTE 1)

15 Receptacle - Rm. N103, N109

19 Receptacle - Rm. N111, N113

Total Conn. Load: 68423 VA

Total Conn.: 190 A

Total Est. Demand: 49757 VA

Total Est. Demand: 138 A

39 SSCU-N001/ACCU-N201 - ROOF

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

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

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 Mains Type: MCB Mains Rating: 200 A 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

Circuit Description

Panel Totals

Total Conn. Load: 31040 VA

Total Est. Demand: 26810 VA

Total Est. Demand: 74 A

Total Conn.: 86 A

20 A RTU-N101 - Lights and Receptacles - Roof

20 A RTU-N103 - Lights and Receptacles - Roof

20 A RTU-N102 - Lights and Receptacles - Roof

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

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

CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

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40 42

CARMEL CLAY SCHOOLS

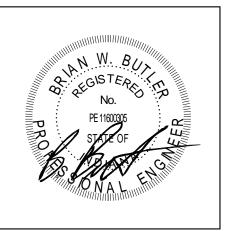


**ARCHITECT** 



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CONSTRUCTION DOCUMENTS



PROJECT NUMBER: 220014.00

PROJECT ISSUE DATE: 12.17.2021

REV. NO. $\triangle$	DESCRIPTION	DATE
2	ADDENDUM #2	2.01.2022

PANELBOARD SCHEDULES

E8.03

	4.4	40	December IT CAD
. N021	44 46	43 45	Receptacle IT CAB - Receptacle - Rm. NO
. 14021	48	47	Receptacle - Rm. No
. N021	50	49	Receptacle - Rm. No
	52	51	Receptacle - Rm. No
. N021	54	53	Receptacle - Rm. No
	56	55	Floor Boxes - Rm. N
. N021	58	57	Floor Boxes - Rm. N
. N021	60 62	59 61	Water Cooler - Rm. Receptacle - A/V Eq
. INUZ I	64	63	Receptacle - A/V Eq
. N021	66	65	Receptacle - A/V Eq
	68	67	Receptacle - A/V Eq
L LIGHTS - Rm. N021	70	69	Receptacle - A/V Eq
L LIGHTS - Rm. N021	72	71	Receptacle - A/V Eq
L LIGHTS - Rm. N021	74	73	Receptacle - A/V Eq
	76	75	Receptacle - A/V Eq
	78	77	RECORDS BOARD
	80	79	
	82 84	81 83	RECORDS BOARD
	04	03	<del></del>
nel Totals  ad: 45084 VA  nd: 39891 VA  nn.: 125 A  nd: 111 A		Motor Other Recepta Recepta Kitchen Recepta Recepta	lassification  acle - Convenience acle Equipment acle - Refrigerator acle - Special ent - Kitchen
A t Description	CKT 2		
36	4		
36, N036A, N036B	6		
21B, N037-N038, S-4, EXT. 21D	8		
21D	10 12		
04 Rm. N037-N038	14		
07 Rm. N035, N036, N036A	16		
. ,	18		
	20		
Rm.N037	22		
NTROL PANELS - Rm. N110	24		
	26		
	28		
	30		
	32		
	34 36		
	38		
	40		
	42		
nel Totals ad: 23437 VA nd: 23832 VA nn.: 65 A nd: 66 A			

**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.

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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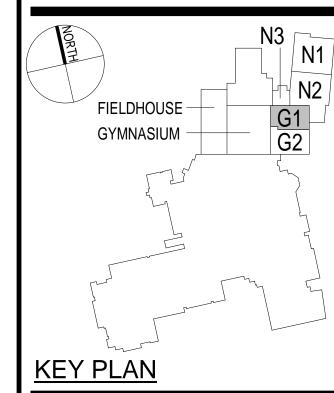
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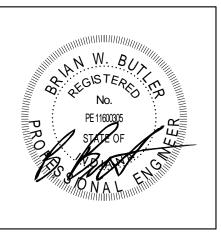




350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204



CONSTRUCTION DOCUMENTS



PROJECT NUMBER: 220014.00

PROJECT IS	SUE DATE: 12.17.2021	
REV.		
NO. $\triangle$	DESCRIPTION	DATE
2	ADDENDUM #2	2.01.2022

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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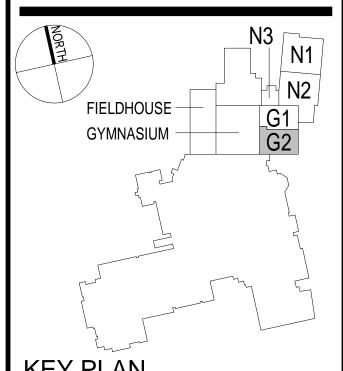
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ARCHITECT



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CONSTRUCTION DOCUMENTS



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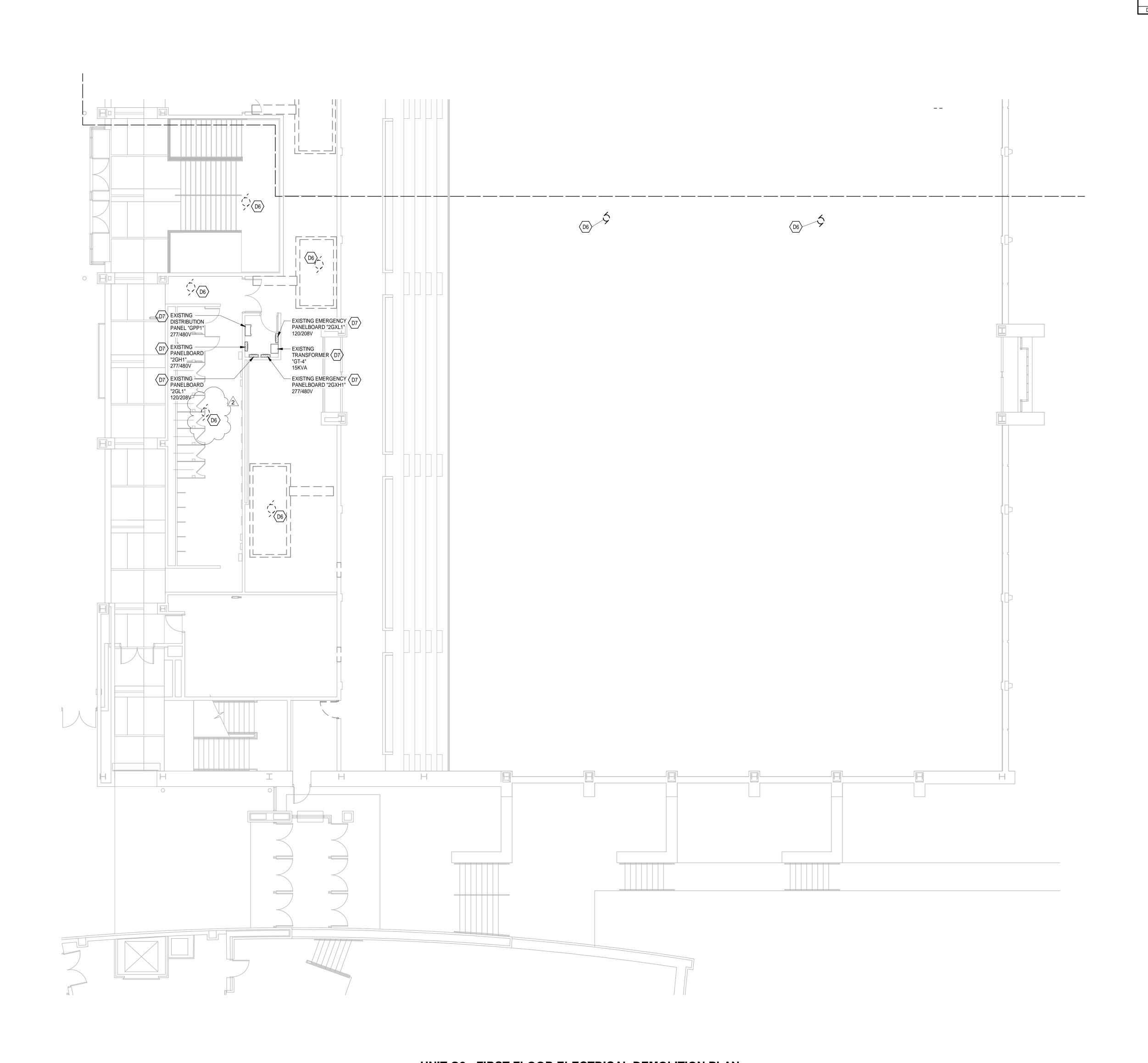
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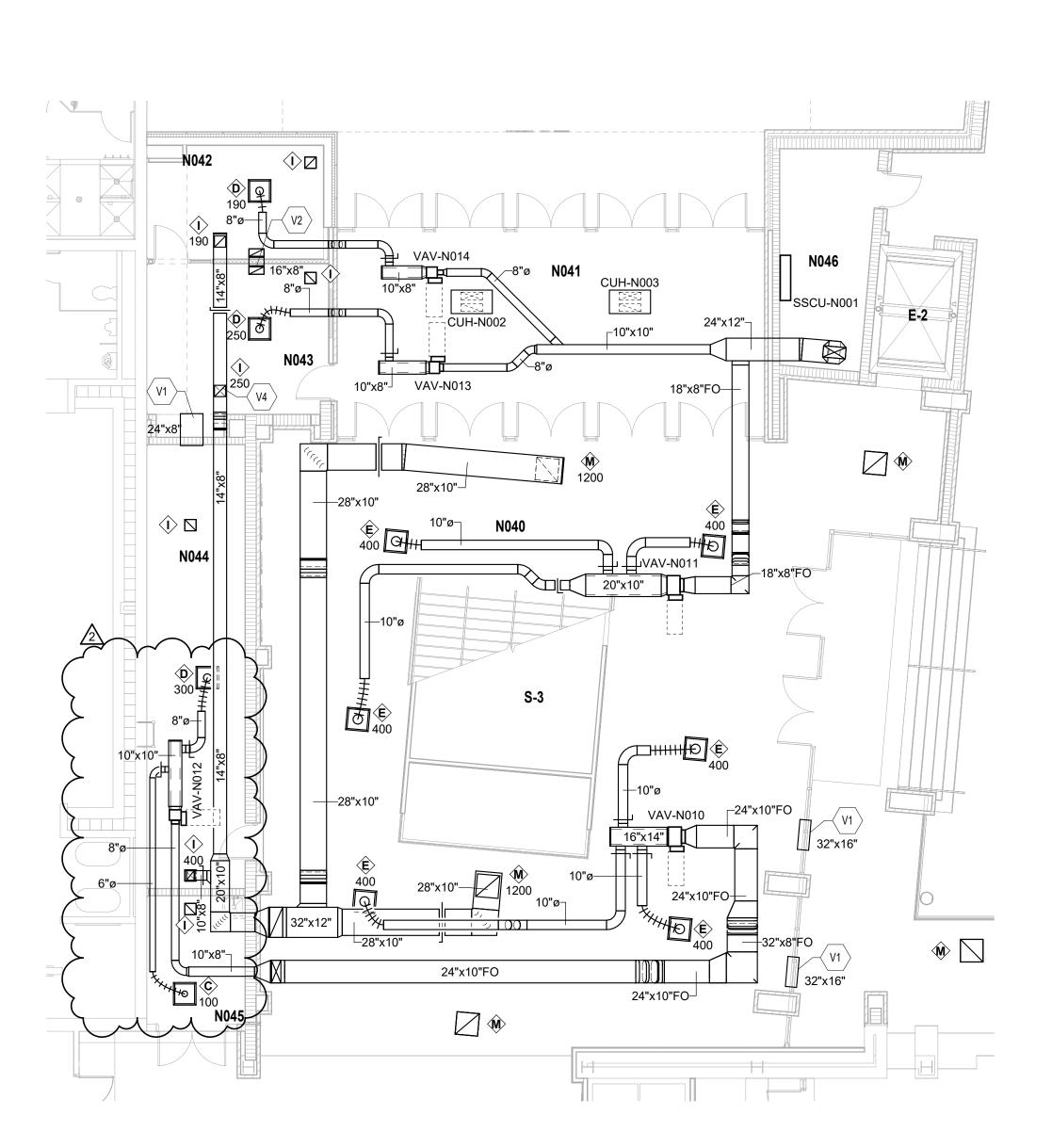
RFV

REV.		
NO.△	DESCRIPTION	DATE
2	ADDENDUM #2	2.01.2022
-		
-		
1		

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.

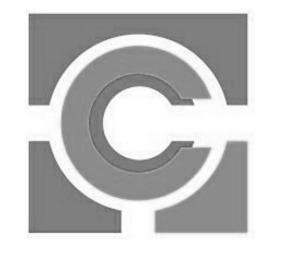
**DESCRIPTION** 

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CARMEL HIGH SCHOOL NATATORIUM ADDITION AND

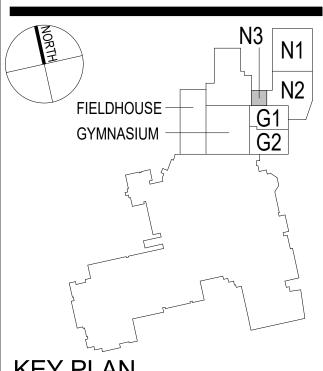
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CARMEL CLAY SCHOOLS



**HOWEY** 

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CONSTRUCTION DOCUMENTS



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

NO. $\triangle$	DESCRIPTION	DATE
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 WORK.

LOWER LEVEL VENTILATION PLAN -UNIT N3

V8 WL-N107 V16 30"x14" V7 N10	02	
365 V5 20"x12"-  20"x12"-  20"x12"-  24"x24"  24"x24"  24"x24"  24"x24"  24"x24"		
20"x12"———————————————————————————————————		
28"x16"  28"x16"  28"x16"  10"x8"  N104  22"x18"  N105  N106A  G"x4"  N106A  G"x4"  N106A  S"x8"  N105  N106A		
10"x8" 365  10"x8"		
365 10°x8° 10°x8		

**UNIT N1 - FIRST FLOOR VENTILATION PLAN** 

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

VENTILATION PLAN GENERAL NOTES ROOM LEGEND - FIRST FLOOR UNIT N1

ALL DUCTWORK, PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, ROOM NO. ROOM NAME UNLESS OTHERWISE NOTED. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS N101 WOMEN'S RESTROOM
N102 POOL BALCONY
N103 UPPER CONCOURSE
N104 VOMITORIUM RELATED TO EQUIPMENT QUALITY, CONSTRUCTION 6428 SF 389 SF

81 SF

407 SF

390 SF

N105 FAMILY RR

N106 MEN'S RESTROOM
N107 VOMITORIUM

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 FROM SIZES SHOWN ON PLAN.

PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT 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

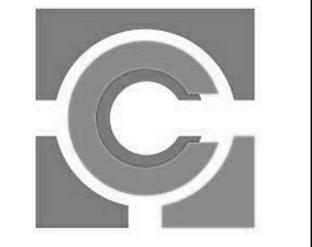
V16 INSULATED SHEET METAL PLENUM MOUNTED

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CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS



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GYMNASIUM -

CONSTRUCTION DOCUMENTS

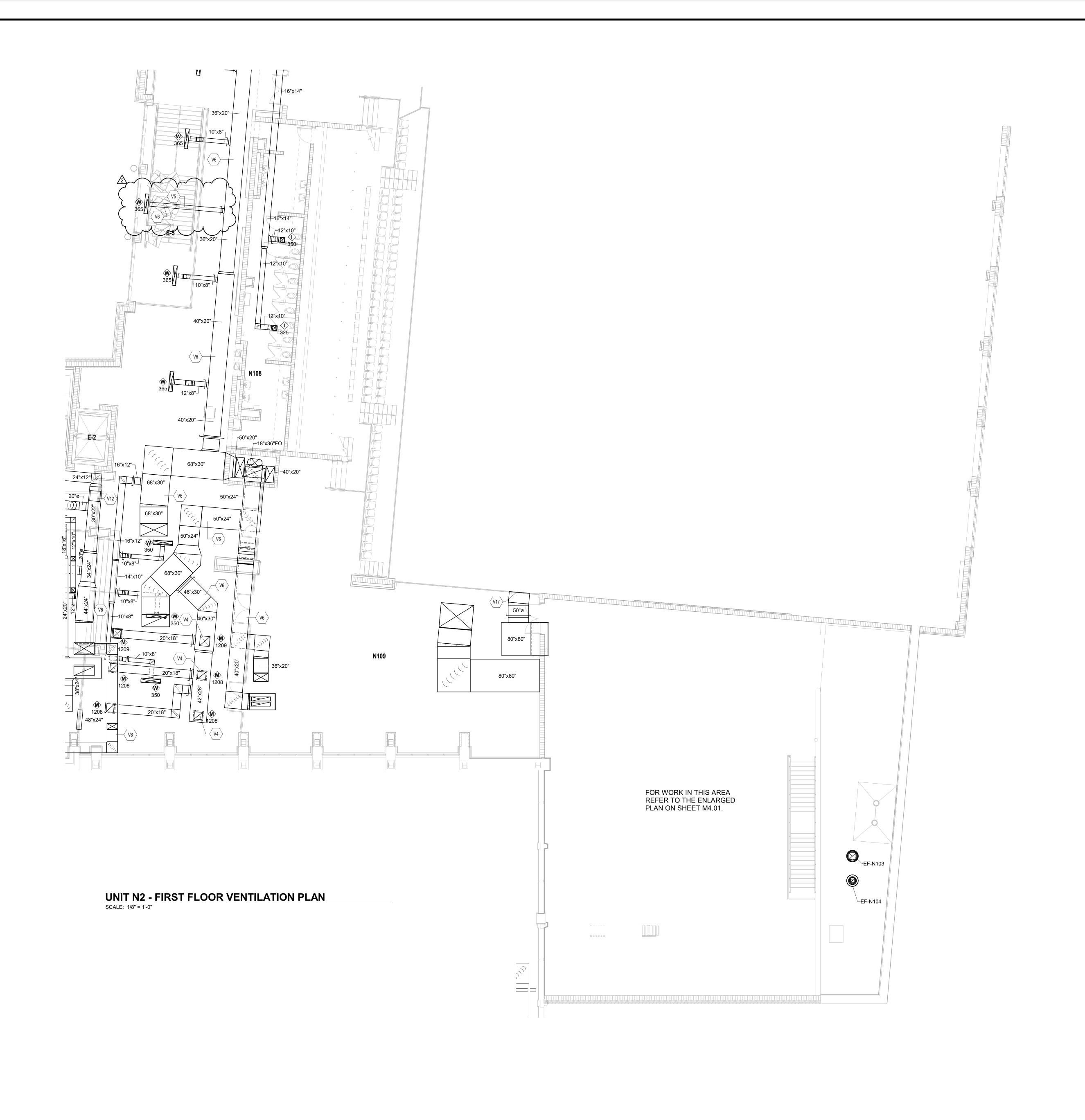


DRAWN BY: MZH PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

REV. NO.△	DESCRIPTION	DATE
1	ADDENDUM #1	01/25/202
2	ADDENDUM #2	02/01/202

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

AND FINISH OF MATERIALS.

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

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)

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.

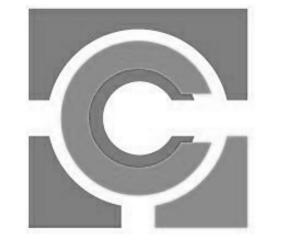
REFER TO DETAILS AND SPECIFICATIONS.

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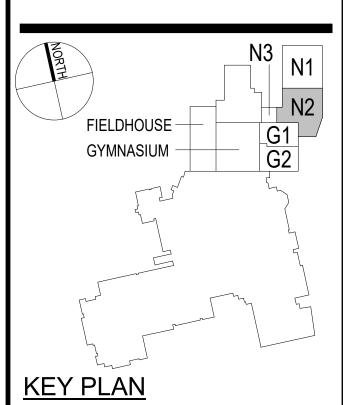
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520 E MAIN STREET CARMEL, IN 46032

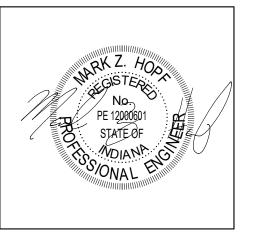
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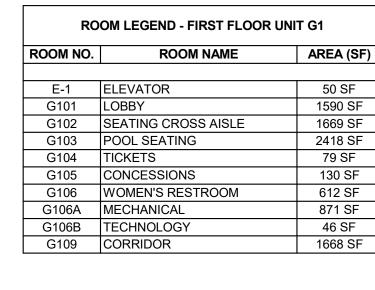
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REV. NO.△	DESCRIPTION	DATE
1	ADDENDUM #1	01/25/202
2	ADDENDUM #2	02/01/202

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. 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

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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

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)

**DESCRIPTION** 

NECESSARY ADJUSTMENTS AND ACCESSORIES

FOR A COMPLETE AND FULLY FUNCTIONAL

CONNECT TO EXISTING BUCTWORK MAKE ADJUSTMENTS AS NECESSARY.

V28 INSTALL DUCTWORK AS HIGH AS POSSIBLE.

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.

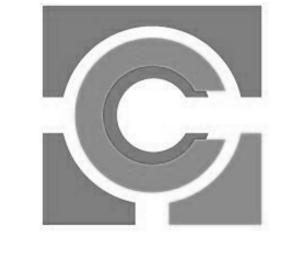
OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH

CARMEL HIGH SCHOOL NATATORIUM **ADDITION AND** RENOVATIONS

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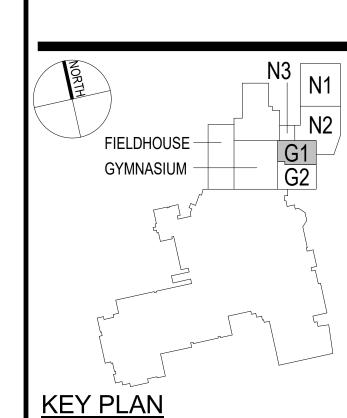
520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS



HOWEY

COORDINATE EXACT LOCATION WITH ALL EXISTING BUILDING COMPONENTS AND ALL WWW.FHAI.COM OTHER CONTRACTORS. MAKE ADJUSTMENS AS 350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204 V29 REBALANCE EXISTING GRILLE TO 1,420 CFM.



**CONSTRUCTION DOCUMENTS** 



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

NO. DESCRIPTION

REV.

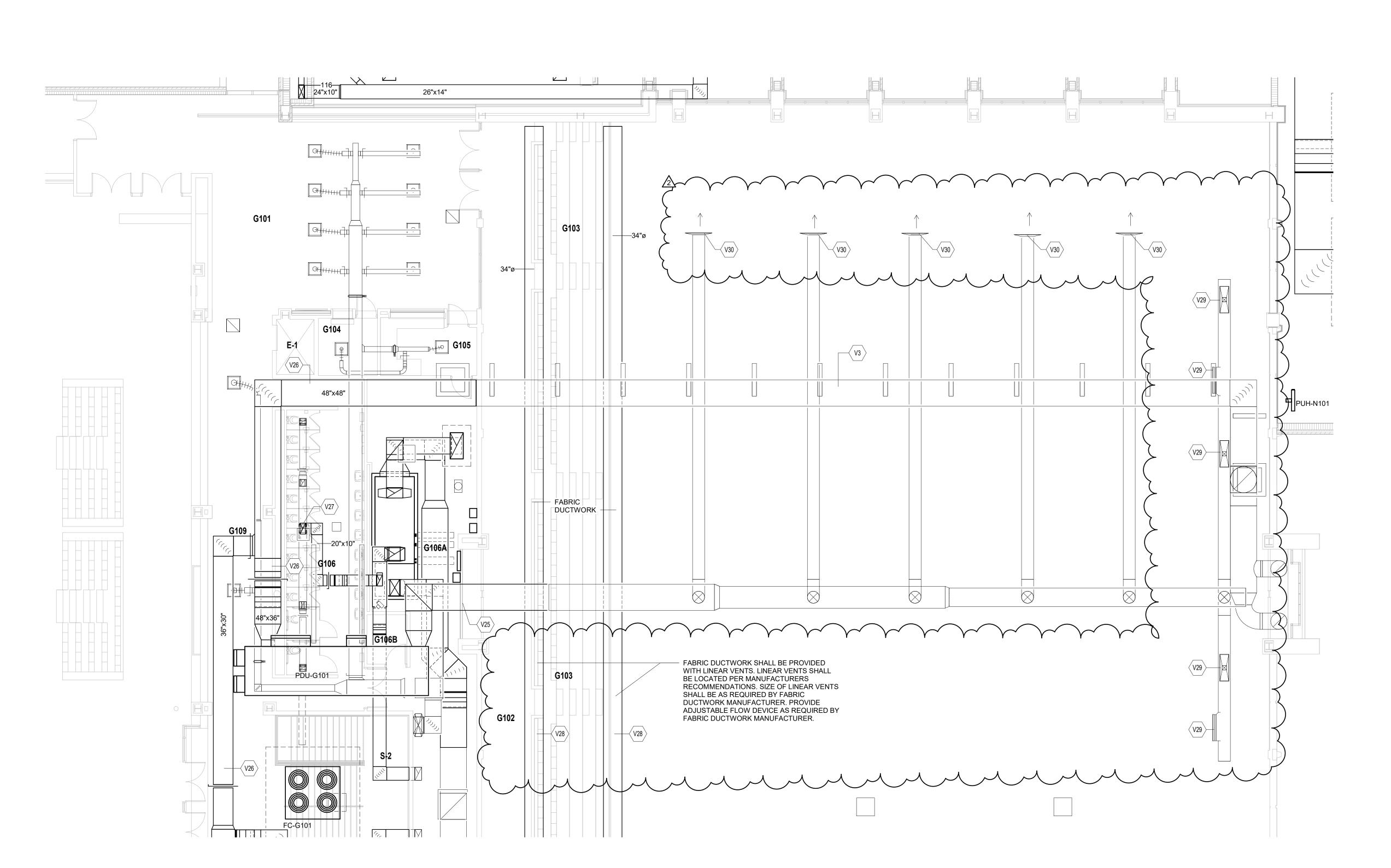
	1	ADDENDUM #1	01/25/20
	2	ADDENDUM #2	02/01/20
ı			

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,

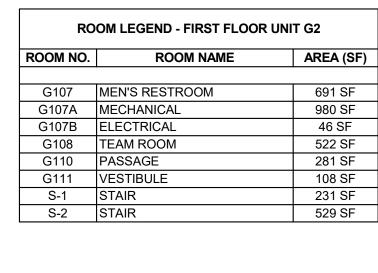
CONTACT THE ARCHITECT BEFORE PROCEEDING WITH

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

LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA

ALL OTHER TRADES.

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 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. V25 ROUTE DUCTWORK THROUGH THE EXTERIOR

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

EXPOSED DUCTWORK TO BE PAINTED. COORDINATE EXACT COLOR WITH

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

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS

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CARMEL HIGH

NATATORIUM

ADDITION AND

RENOVATIONS

SCHOOL





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

WALL AND THEN CONNECT TO THE EXISTING INSIDE THE BUILDING. V26 CONNECT TO EXISTING DUCTWORK. MAKE 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

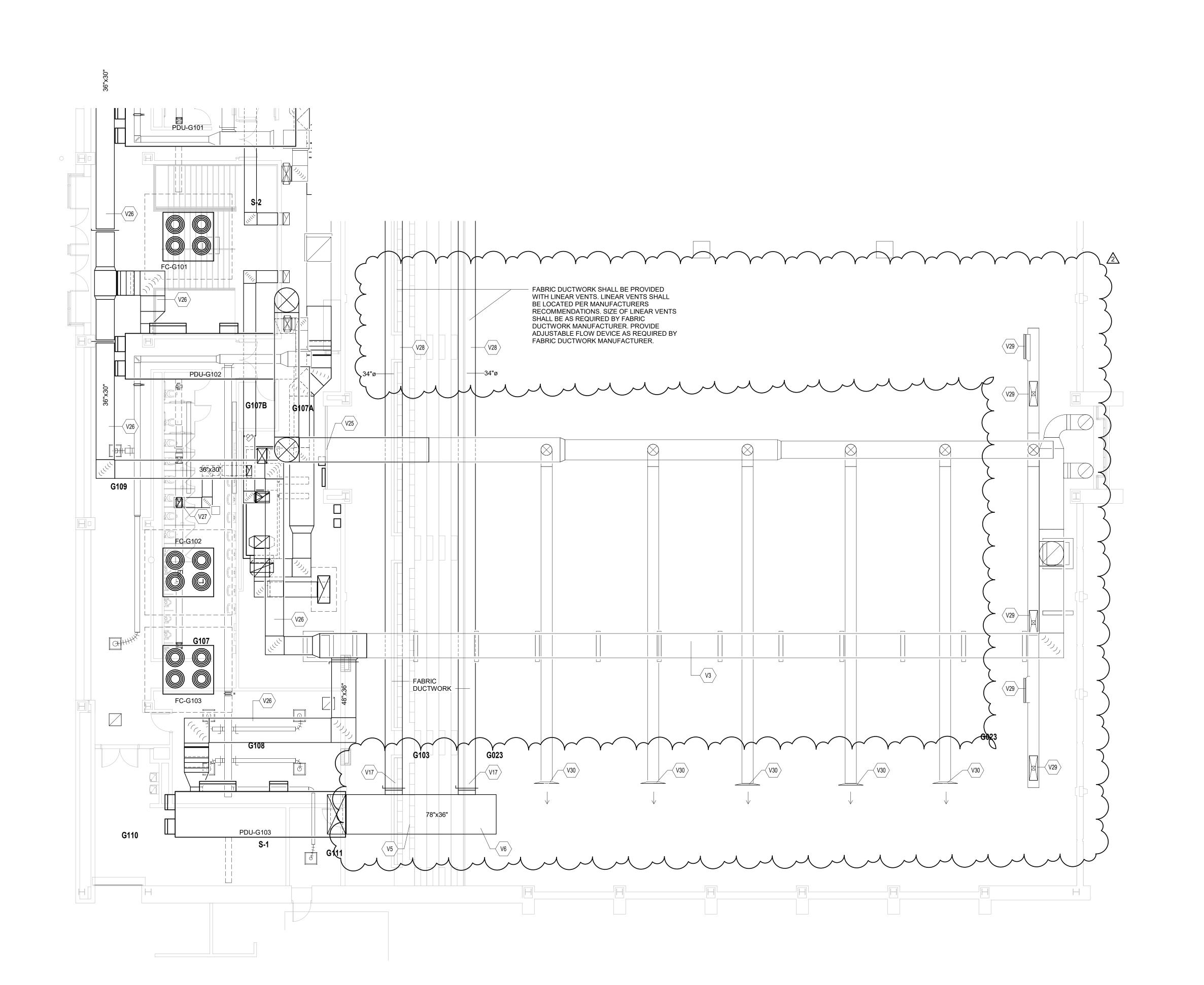
NO. $\triangle$	DESCRIPTION	DATE
1	ADDENDUM #1	01/25/2022
2	ADDENDUM #2	02/01/2022

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

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. ALL DUCTWOR

2086 SF

DM NO. ROOM NAME AREA (SF)

N201 CROSS AISLE 1369 SF

VENTILATION PLAN GENERAL NOTES

A. ALL DUCTWORK, PIPING AND VALVES SHALI

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

RELATED TO EQUIPMENT QUALITY, CONSTRUCTION
AND FINISH OF MATERIALS.

C. 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.

D. SEAL DUCT PENETRATIONS THROUGH THE FLOOR
AND/OR WALLS IN ACCORDANCE WITH MECHANICAL
CODE AND SMACNA REQUIREMENTS. SEAL DUCT

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.

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

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

G. 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** 

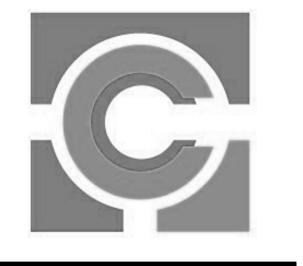
STEEL AS REQUIRED. COORDINATE WITH STRUCTURAL CONTRACTOR AND ALL OTHER

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CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS



RCHITECT

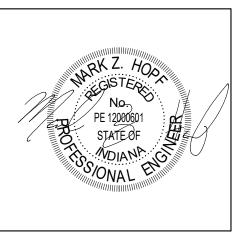
FANNING HOWEY

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

FIELDHOUSE G1 G2

EY PLAN

CONSTRUCTION DOCUMENTS



DRAWN BY: MZH
PROJECT NUMBER: 220014.00

PROJECT ISSUE DATE: 12.17.2021

NO. $\triangle$	DESCRIPTION	DATE
1	ADDENDUM #1	01/25/2022
2	ADDENDUM #2	02/01/2022

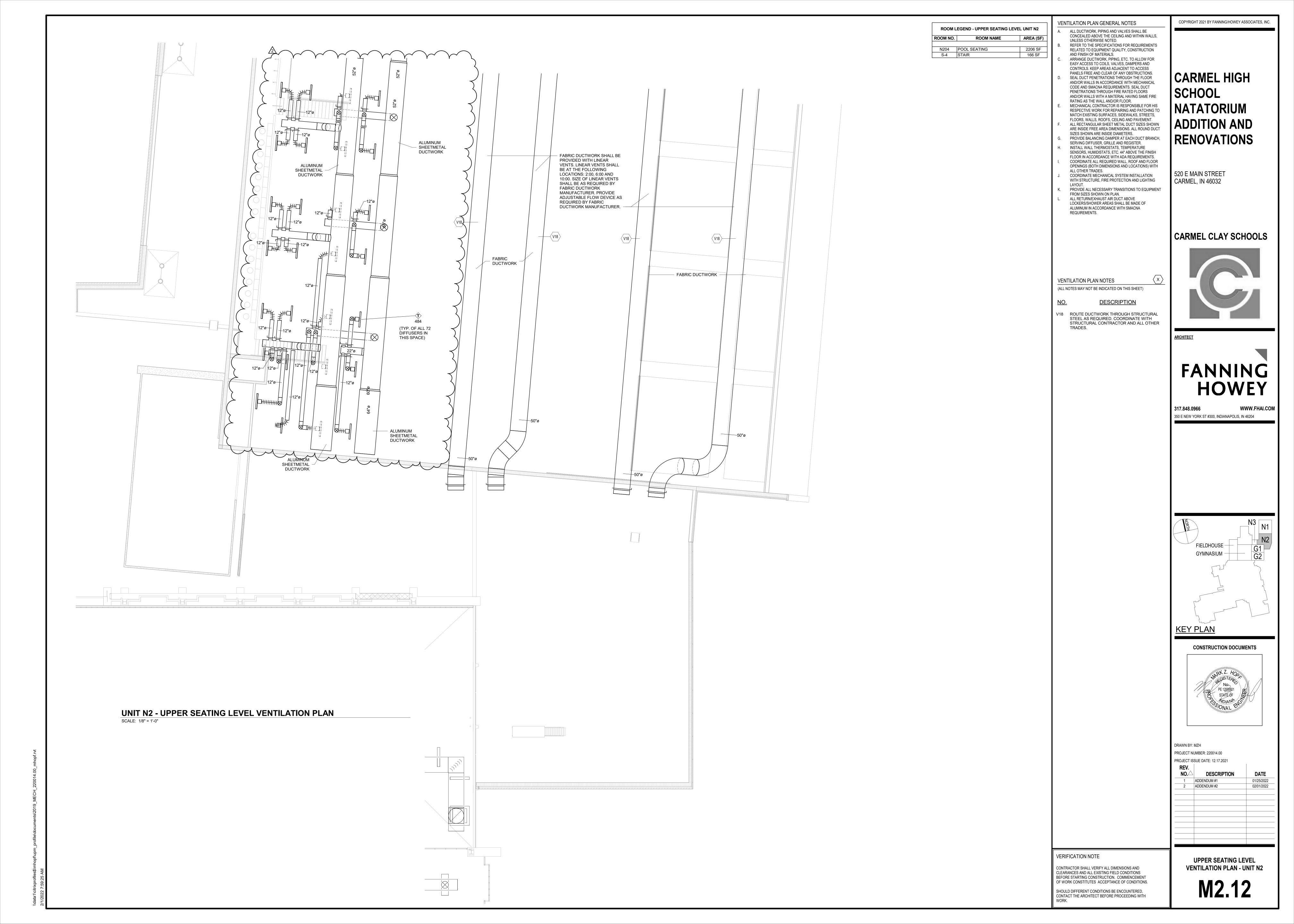
VERIFICATION NOTE

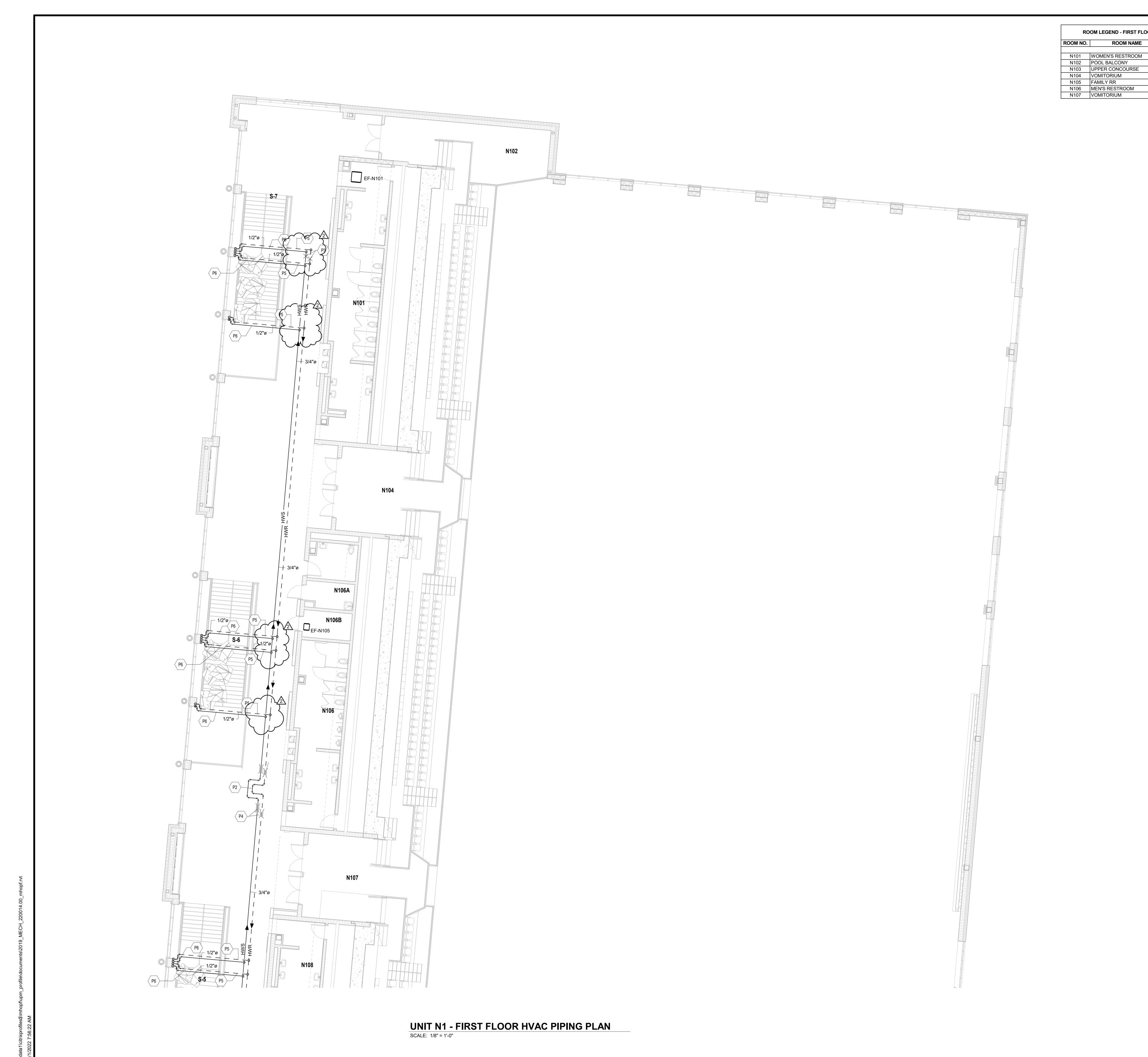
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

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

UPPER SEATING LEVEL VENTILATION PLAN - UNIT N1

**/12.11** 





HVAC PIPING PLAN GENERAL NOTES

ROOM LEGEND - FIRST FLOOR UNIT N1 ALL PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, UNLESS OTHERWISE ROOM NAME 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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HVAC PIPING PLAN NOTES

520 E MAIN STREET CARMEL, IN 46032 (ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

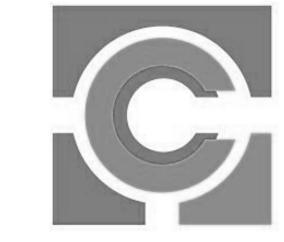
## **DESCRIPTION**

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

P6 EXPOSED PIPING SHALL BE PAINTED.

- 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.

CARMEL CLAY SCHOOLS





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

CONSTRUCTION DOCUMENTS

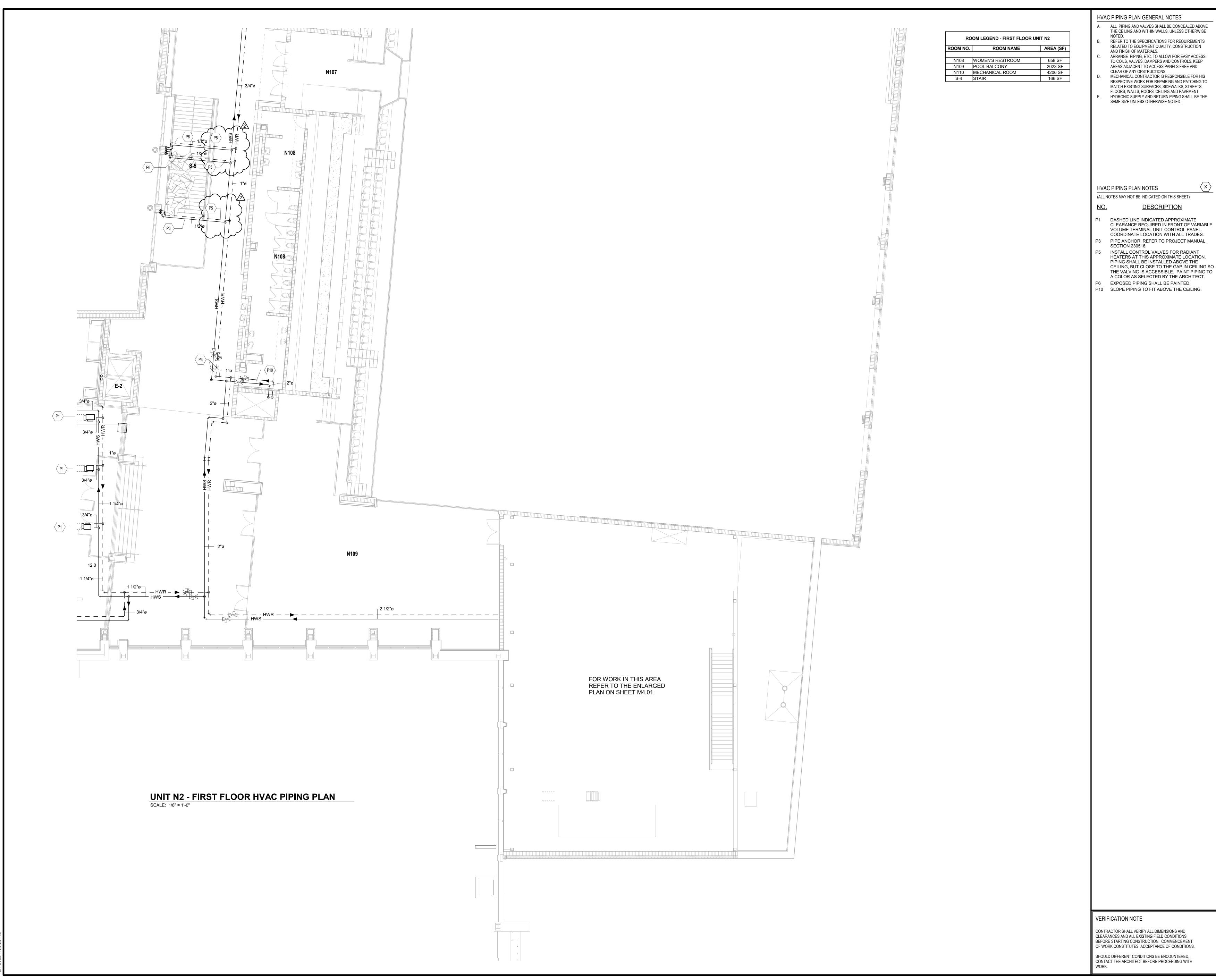


PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021

NO.	DESCRIPTION	DATE
2	ADDENDUM #2	02/01/2022

VERIFICATION NOTE

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

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 CONTRACTIONS.

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

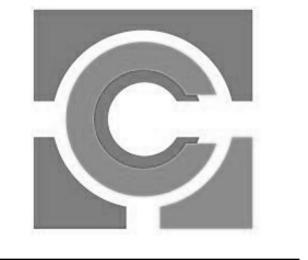
CARMEL HIGH SCHOOL NATATORIUM ADDITION AND RENOVATIONS

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520 E MAIN STREET CARMEL, IN 46032

P1 DASHED LINE INDICATED APPROXIMATE CLEARANCE REQUIRED IN FRONT OF VARIABLE VOLUME TERMINAL UNIT CONTROL PANEL. COORDINATE LOCATION WITH ALL TRADES. P3 PIPE ANCHOR. REFER TO PROJECT MANUAL INSTALL CONTROL VALVES FOR RADIANT

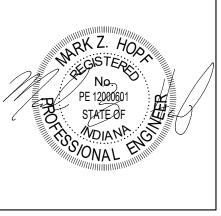
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CONSTRUCTION DOCUMENTS



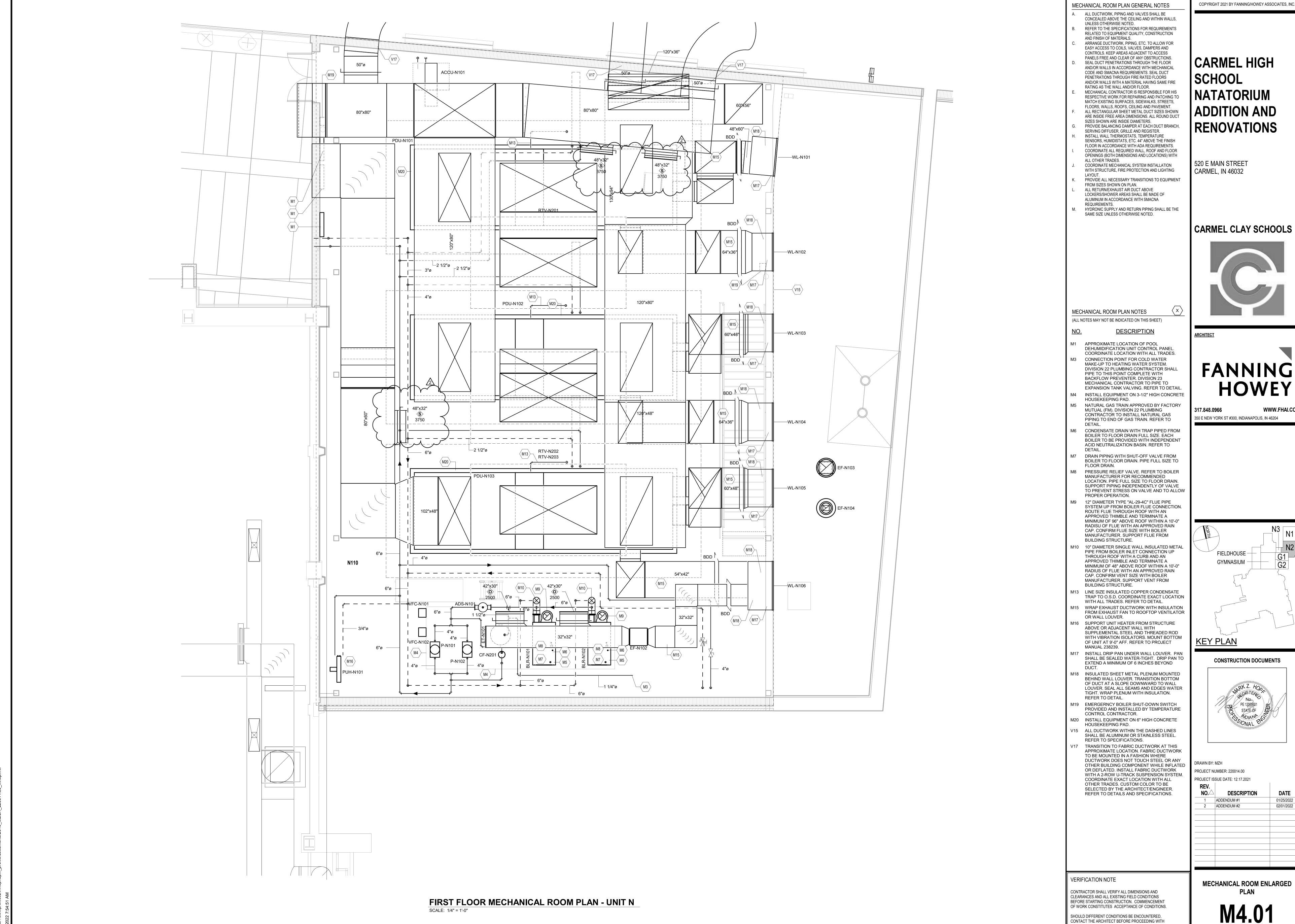
DATE

DRAWN BY: MZH PROJECT NUMBER: 220014.00

PROJECT IS	PROJECT ISSUE DATE: 12.17.2021								
REV. NO.△	DECORIDEION								
	DESCRIPTION								
2	ADDENDUM #2								

2	ADDENDUM #2	02/01/202

FIRST FLOOR PIPING PLAN - UNIT N2



WWW.FHAI.COM

NO	ΓES

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"

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

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.
- PRESSURE (56 PSI).

,	•					_		,								
RADIA	TOR	SHA	۱LL	BE S	SELI	ECT	ED A	AS A	ST	ANE	DAF	۲D	wo	RK	ING	

MARK	HP	ELEC SERV	MARK SERVING	EQUIPMENT SERVING	NOTES
/FC-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
/FC-G101	10.0	460/3	AHU-G101	SUPPLY FAN	1,2,3,4
/FC-G102	1/4	460/3	AHU-G101	HEAT WHEEL	1,2,3,4
/FC-G103	2.0	460/3	AHU-G101	EXHAUST FAN	1,2,3,4
/FC-G104	5.0	460/3	AHU-G102	SUPPLY FAN	1,2,3,4
/FC-G105	1/6	460/3	AHU-G102	HEAT WHEEL	1,2,3,4
/FC-G106	3.0	460/3	AHU-G102	EXHAUST FAN	1,2,3,4

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 FAN SCHEDULE											
				EXT.	MAX.	EL	EC	CONTROL	MODEL	DDIVE	NOTEO	
MARK	TYPE	CFM	FRPM	S.P.	SONES	HP	SERV	CONTROL	MODEL	DRIVE	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.
- .1 WITH TIMER SWITCH. .2 WITH LIGHTS.
- C. AUTOMATIC OPERATION BY REVERSE-ACTING THERMOSTAT.
- D. 24 HOUR CONTINUOUS OPERATION.

		ROOFTOP	VENTILATOR/INTAKE	HOOD SCHE	EDULE	
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

- 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 U	NIT			
		EVAPORATOR UNIT		POWER		OUTDOOR CONDENSING UNIT			
MADIC	NOMINAL TONS CLG CAPACITY	AIRFLOW	COOLING	HEATING	BREAKER	DI A	ELEC	AIRFLOW NOTES	NOTES
MARK		CFM	BTUH	BTUH	DREAKER	RLA SEF	SERV	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°
- EVAPORATOR VALVE, AND F
- 7. INSTALL REFF REQUIREMEN
- 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.

TEMPERATURE OPERATING RANGES: COOLING: 0° - 115° HEATING: -4° - 70°	7. HEATING COIL DESIGN BASED ON HIGH-EFFIECIENCY, HOT WATER COIL, UNLESS OTHERWISE NOTED.	
OR SECTION COMPLETE WITH COIL, THERMOSTATIC EXPANSION D FILTER DRIER.	8. COILS SHALL BE SELECTED WITH 10' WPD MAXIMUM.	
EFRIGERANT PIPING SIZE AND QUANTITY PER MANUFACTURER'S ENTS.	9. PROVIDE NUMBER OF COIL ROWS AS REQUIRED TO MEET MBH. COILS MAY REQUIRE 4-R COIL.	ROW

VAV-N001

VAV-N002

VAV-N003

VAV-N004

VAV-N005

VAV-N006

VAV-N007

VAV-N008

VAV-N009 VAV-N010

VAV-N012

VAV-N014

VAV-N101

VAV-N102

VAV-N103

VAV-N104

		HEATING PLANT EQUIPMENT SCHEDULE		
EQUIPMENT MARK	TOTAL REQUIRED	DESCRIPTION	ELECTRICAL	NOTES
BLR-N101  BLR-N102	2	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: 500 GPM. ANY VARIATION DUE TO MANUFACTURER'S EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. CONTROL PANEL PROVIDED BY UNIT MANUFACTURER.	SINGLE POINT POWER CONNECTION. 460/3, 12.0 AMPS. UNIT MFR SHALL INCLUDE CONTROL VOLTAGE TRANSFORMER. DISCONNECT BY DIVISION 26.	1,2
HWP-N101	2	SPLIT-COUPLED VERTICAL IN-LINE CENTRIFUGAL HEATING WATER CIRCULATING PUMP, INVERTER DUTY MOTOR, PARALLEL CONFIGURATION. VFC OPERATION. 450 GPM, 225 GPM PER PUMP, 85' HEAD, 10 HP, 3600 RPM, 460/3/60.	SINGLE POINT POWER CONNECTION TO EAHC PUMP. PUMP DISCONNECT AND WIRING BETWEEN PUMP AND VFC BY DIVISION 26.	1,2,3
ADS-N101	1	6" HEATING WATER SYSTEM AIR/DIRT SEPARATOR 450 GPM CAPACITY. MAXIMUM PRESSURE DROP=5'.	- <u>-</u>	2,4
ET-N101	1	A.S.M.E. HEATING WATER SYSTEM BLADDER TYPE EXPANSION TANK, 211 GALLONS. 30" DIAMETER x 81-3/4" LENGTH.		-
CF-N101	1	HEATING WATER CHEMICAL SHOT FEEDER, 5.0 GALLON CAPACITY.		2,5,6

#### NOTES

- 1. MOUNT ON 3-1/2" CONCRETE HOUSEKEEPING PAD
- 2. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- 3. PUMP CONTROLLED BY VARIABLE FREQUENCY CONTROLLER.

0.79 19

1.19 16

1.07 16

40°

40°

40°

0.77

0.85

0.85

0.85

0.88

1.20

0.68

12"

4. SUPPORT FROM STRUCTURE ABOVE.

YAY REHEAT TERMINAL SCHEDULE

27.67

0.50

1.60

0.50

1.30

1. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

CONTRACTOR. REFER TO DETAILS.

6. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.

SUPPORT UNIT.

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

5. HEATING COIL LOADS CALCULATED WITH 140° EWT AND 55° EAT, AND 95° LAT AT PRIMARY

51.45 2.60

5.	INCLUDE LEG SUPPORT.		

- 6. EQUIPMENT TO BE FLOOR MOUNTED

	EXTERIO	OR WALL LOUVER SC	HEDULE	
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

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.

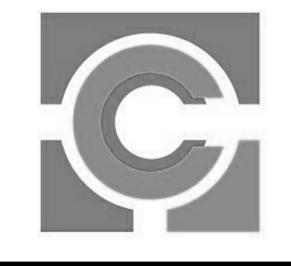
	AHU MAXIMUM ALLOWABLE SOUND LEVELS								
MARK	UNIT SOUND	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
RTU-N101	UNIT SUPPLY DISCHARGE	87	124	87	82	82	80	76	70
RTU-N101	UNIT RETURN INLET	87	114	80	76	72	68	63	59
RTU-N102	RADIATED	60	70	77	82	82	82	83	79
RTU-N103	RADIATED	57	77	82	86	87	87	83	74
AHU-G101	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

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

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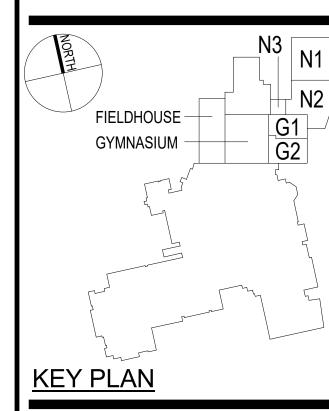
520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS





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



**CONSTRUCTION DOCUMENTS** 

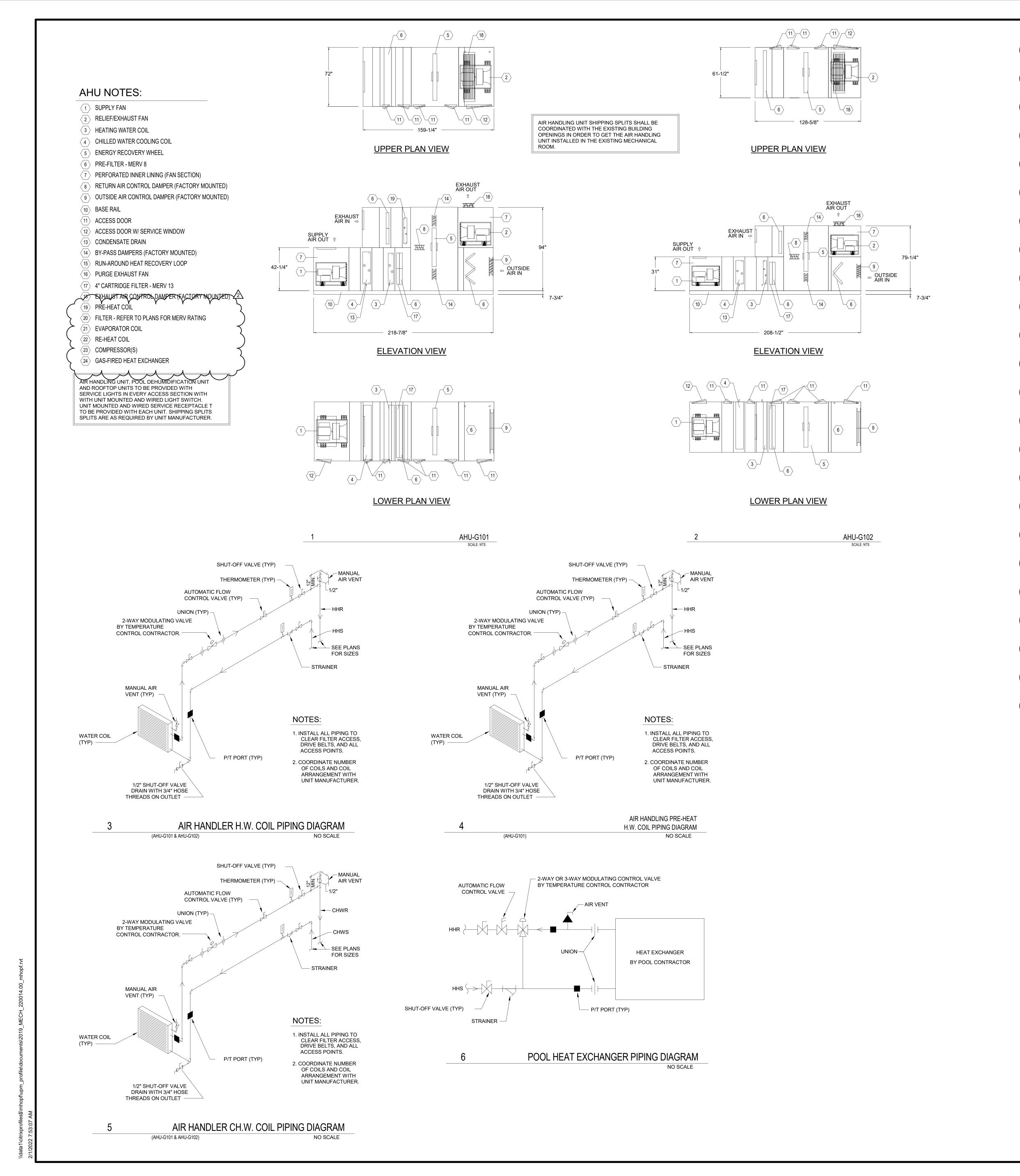
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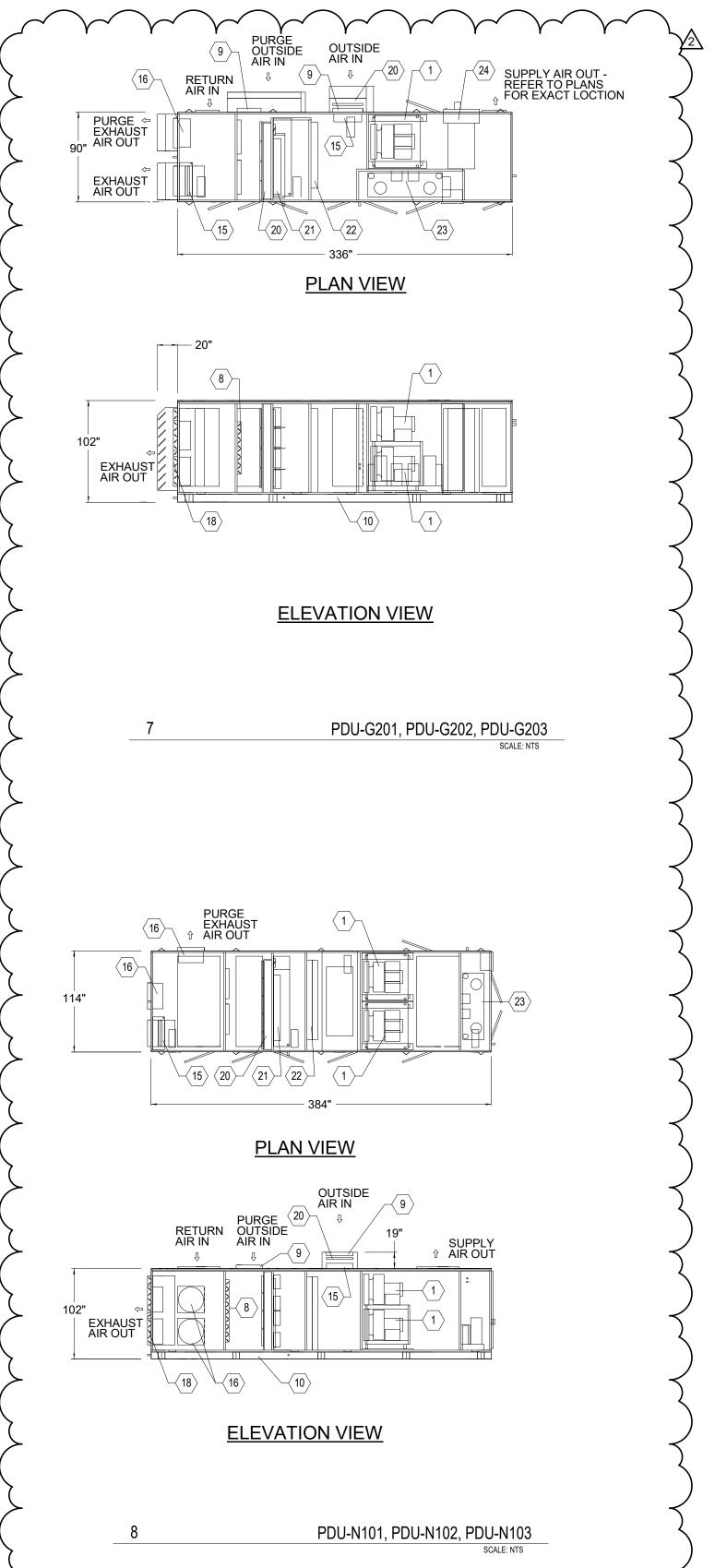
PROJECT ISSUE DATE: 12.17.2021

NO. $\triangle$	DESCRIPTION	DATE
2	ADDENDUM #2	02/01/2022
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-		
-		
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**MECHANICAL SCHEDULES** 

M5.02





CARMEL HIGH SCHOOL NATATORIUM

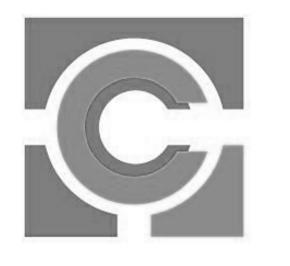
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RENOVATIONS

520 E MAIN STREET CARMEL, IN 46032

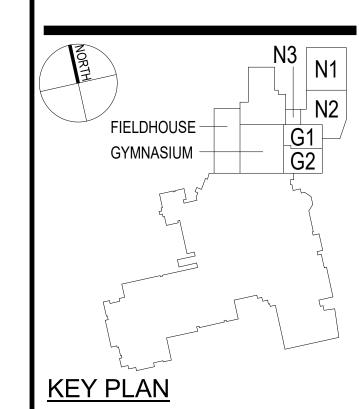
CARMEL CLAY SCHOOLS



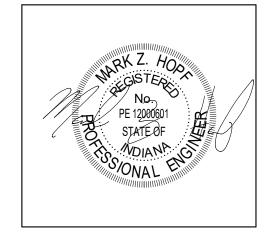
ARCHITECT



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



CONSTRUCTION DOCUMENTS



PROJECT NUMBER: 220014.00
PROJECT ISSUE DATE: 12.17.2021
REV.

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	01/25/2022
2	ADDENDUM #2	02/01/2022

MECHANICAL DETAILS

M5.05

91		
<b>*</b> 90 <b>*</b> `	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.
$\sim \stackrel{89}{\sim}$	QTY	ADA TRANSFER BARS
•••		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.
88	4	#8 BOND WIRE. LED LIGHTS FURNISHED BY POOL CONTRACTOR LED LIGHTS INSTALLED BY DIV. 26. UNDERWATER SPEAKERS AND SPEAKERS NICHE BY DIV. 26.
~86 87	~~~ <del>16</del> ~~~	HOSE BIB, SEE MECHANICAL DWGS, BY OTHER THAN AQUATIC CONTRACTOR LED UNDERWATER POOL LIGHT NICHE FURNISHED BY POOL CONTRACTOR WITH 3' OF 1" DIA. OF SCH 80 PVC AND
86	2	HOSE BIB, SEE MECHANICAL DWGS, BY OTHER THAN AQUATIC CONTRACTOR
84	QTY	CUSTOM PUMP PIT STAIRS. CUSTOM DOUBLE RAIL AROUND PUMP PIT WITH CHAIN RAILS BY DIV. 05.
~83 <u>~</u>	~~ <u>5</u> ~~	CO2 SYSTEM CHAPTER CHAPTER CHAPTER PAIL A POLINIP PHARP PIT WITH CHAPTER PAIL OF PAIL OF PAIR PAIR PAIR PAIR PAIR PAIR PAIR PAIR
82	1	CUSTOM FRP DESK IN FILTER ROOM WITH SHELF AND CUSTOM STORAGE SHELVING
81	3	DURAFIRM ONE METER DIVE STANDS WITH DIVE SPRAYS
80	3	DURAFIRM ONE METER DIVE STANDS WITH 16'-0" MAXIFLEX B BOARDS
79	4	STAINLESS STEEL DOUBLE WALL HEAT EXCHANGERS
78	2	HAWS EYEWASH SHOWER MODEL 8336 EPOXY COATED, CORROSION RESISTANT
77	4	PROMINENT MEDIUM PRESSURE UV UNIT
76	2	CJ SPINEBOARD 76" X 20" WITH NYLON STRAPS, HEAD IMMOBILIZER, BODY STRAPS, HEAD STRAPS, ADHESIVE STRIPS AND STAPLES REC#12-325
75	2	PORTABLE PACE CLOCKS.
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,
73	1	BLOOD BORNE PATHOGENS KIT WITH GOWN, FACE MASK, SHIELDS, BODY FLUID CLEAN UP REC#12-041
72	2	RESUSCITATION MASKS
71	1	FIRST AID KIT ARC APPROVED REC#12-048, BLOOD SPILLS KIT REC#12-041, WHISTLE REC#12-357
70	1	BUCKEL AND 6' TOW LINE REC# 12-291  12' FIBERGLASS SAFETY POLE WITH BLUNT ENDS AND SHEPARD HOOK REC# 10-371 AND 12-239.
69	4	RESCUE TUBES MADE OF CLOSED CELL ENSOLITE WITH HEAVY DUTY ORANGE VINYL SKIN, QUICK RELEASE
68	1	WHITE RING BUOY 24' DIAMETER WITH 90' OF3" THROW ROPE ATTACHED REC#12-252
67	1	LEAF SKIMMERS 20" X 6" X 12" DEPTH. REC# 10-118
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.
65	AS REQ'D.	SUMPS GRATING
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.
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.
		FIBERGLASS FLOOR SUMP WITH GRATE COVER AND (2) 1HP SUMP PUMPS AND CONTROLS

62 1 FIBERGLASS FLOOR SUMP WITH GRATE COVER AND (2) 1HP SUMP PUMPS AND CONTROLS

		SHALL BE SUBSTANTIAL ROUND POSTS WITH A 32 OVERALL HEIGHT AND 2 IN DIAMETER.	4	4	(6) 8" AT COMPETITION POOL, (2) 6" AT THERAPY POOL, (2) AT DIVING POOL SKIMMER		
65 66	AS REQ'D.	SUMPS GRATING  18" LONG POOL BRUSH REC#10-135 WITH NYLON BRISTLES AND RIGID BACK AND HOLDER SHALL BE	5	29	THERAPY JET INLETS: WARMING		
	,	PERMANENTLY ATTACHED. HOLDER BRACKET SHALL BE OF CAST AL AND SHALL BE DESIGNED FOR EASY ATTACHEMENT TO STANDARD 1 1/4" AL HANDLE.	FILTRA	QTY TION EQUIF	HOT DIPPED GALVANIZED HANGARS AND HARDWARE IN DRY AREAS AND 316L SS IN WETTER AREAS  MENT		
67	1	LEAF SKIMMERS 20" X 6" X 12" DEPTH. REC# 10-118	7	1	AQUA REVIVAL COMPLETE FILTER SYSTEMS NEW 50M POOL MODEL BSG 50T		
68	1	WHITE RING BUOY 24' DIAMETER WITH 90' OF3" THROW ROPE ATTACHED REC#12-252	9	1	AQUA REVIVAL COMPLETE FILTER SYSTEM EXISTING 50M POOL BSG 40T  AQUA REVIVAL COMPLETE FILTER SYSTEM DIVING POOL BSG 20T		
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	10 11	1	AQUA REVIVAL COMPLETE FILTER SYSTEM WARM WATER POOL BSG 20T  AQUA REVIVAL COMPLETE FILTER SYSTEM THERAPY POOL BSG 20T		
70	1	12' FIBERGLASS SAFETY POLE WITH BLUNT ENDS AND SHEPARD HOOK REC# 10-371 AND 12-239.	• • •	PUMPS, MO	TORS AND ELECTRICAL		
71 72	2	FIRST AID KIT ARC APPROVED REC#12-048, BLOOD SPILLS KIT REC#12-041, WHISTLE REC#12-357 RESUSCITATION MASKS	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.		
73	1	BLOOD BORNE PATHOGENS KIT WITH GOWN, FACE MASK, SHIELDS, BODY FLUID CLEAN UP REC#12-041			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, EPDM, LOW		
74 75	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,  PORTABLE PACE CLOCKS.			STARTING CURRENT, INVENTOR RATED, WITH PUSH BUTTON STATION AND CONTROLS		
76	2	CJ SPINEBOARD 76" X 20" WITH NYLON STRAPS, HEAD IMMOBILIZER, BODY STRAPS, HEAD STRAPS, ADHESIVE STRIPS AND STAPLES REC#12-325  PROMINENT MEDIUM PRESSURE UV UNIT	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 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 81	3	DURAFIRM ONE METER DIVE STANDS WITH 16'-0" MAXIFLEX B BOARDS  DURAFIRM ONE METER DIVE STANDS WITH DIVE SPRAYS	14	6	THERAPY POOL / DIVING POOL / WARM WATER POOL FILTER PUMP AND MOTOR TO BE AURORA 3801, 15HP, 400		
82	1	CUSTOM FRP DESK IN FILTER ROOM WITH SHELF AND CUSTOM STORAGE SHELVING			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"		
83	$\sim$ QTY	CUSTOM PUMP PIT STAIRS. CUSTOM DOUBLE RAIL AROUND PUMP PIT WITH CHAIN RAILS BY DIV. 05.			DISCHARGE, GAUGE TAPS, 304 SS MOTOR RISER, NSF 50, SCOTCHCOATED 134, WITH PREMIUM EFFICIENCY MOTOR 90 PLUS, TEFC ENCLOSURE, EPDM, LOW STARTING CURRENT, INVENTOR RATED, WITH PUSH BUTTON		
	سؤس	FLOOR DRAIN, SEE MECHANICAL DWGS, BY OTHER THAN AQUATIC CONTRACTOR			STATION AND CONTROLS		
86 87	76	HOSE BIB, SEE MECHANICAL DWGS, BY OTHER THAN AQUATIC CONTRACTOR  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 5HP, 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		
88	4	LED LIGHTS INSTALLED BY DIV. 26.  UNDERWATER SPEAKERS AND SPEAKERS NICHE 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,  SELE PRIMANO 200 CRM @ 22 U.D 2500 RRM CELE PRIMANO 2 RUASE 480 VOLTAGE 60 CYCLE MITH RALL PEARING.		
		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.			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		
89	QTY	ADA TRANSFER BARS	17 18	1 18	WARMING POOL JETS AIR BLOWER ROTON DR404AL72M, 1HP WITH SILENCER LIQUID FILLED GAUGES AROUND ALL PUMPS 2 ½" STAINLESS STEEL TRERICE SERIES 700 -15 0 15 VACUUM		
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	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		10	GAUGES AND 0 TO 60 PRESSURE GAUGES WITH STAINLESS STEEL BOURBON TUBES 316 ALL GAUGES WITH ST.ST. SNUBBERS TUBE, NEEDLE VALVES AND SOCKET.		
<u> </u>		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		
91	1	SUBMICITAL CONTRACTOR DODANG STORES AND A SUBTRACT DATE OF THE CONTRACT DEPOSIT OF THE CONTRACT DEPOSI	20 21	3	24' X 24" ANTI VORTEX PLATE IN BALANCE TANK  CUSTOM ELECTRIC PANELS WITH ALL CONTROLS – THESE ARE SEPARATE FROM FILTER CONTROL		
<b>\</b>	<b>'</b>	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.	22	10	PANELS WITH (2) IN THE NEW FILTER ROOM AND (1) IN THE EXISTING FILTER ROOM FLUIDTROL FRP/PVC CONCENTRIC AND ECCENTRIC REDUCERS		
			23	9	CHAMPION DOUBLE DOOR EPOXY COATED DUCTILE IRON CHECK VALVES WITH ST. ST. SPRINGS, PLAIN FACE,		
3333			24	1	EPDM SEAT, SERIES 125		
					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		SWIMMING POOLS	DATA SCHEDULE
		lack	<b>(</b> 28	4	ALUMINIUM DOORS TO BE BILCO (3) 3' X 3' AND (1) 18" X 18 WITH TILE INLAY FOR INSPECTION SUMP	ГЕМ	COMPETITION DOOL
					THSD MINIFCHANNEL DECK DRAIN WITH 100% SILICONE SEALANT AT THE EDGES OF TRENCH DRAIN		COMPETITION POOL
			30 30	2		ATER VOLUME	920,000 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  W	VATER SURFACE AREA	14,163 SF
			32	5	FLOW METERS SIGNET 2551 MAGMETER WITH 8550 FLOW INSTRUMENT WIRED INTO CONTROLLERS FOR FILTER		
			33	3	AUTOMATIC WATER LEVEL CONTROLLER CLA VAL NO 124-01 1" WITH ST ST BODY, ST ST FLOATS AND ST ST RODS,	ERIMETER GUTTER URNOVER: MIN.	510 LF (INSIDE GUTTER)
			34	2			6 HOURS (360 MINUTES) 6.0 HRS
			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		2556 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	ETURN INLETS	(60) FLOOR INLETS: ADJ. 2" DIA.
			38	4	PROMINENT CHEMICAL CONTROLLERS DCM 512 WITH FLOW SWITCH, VFD CONTROL, REAL TIME CORROSION AND CALCIFICATION AND ALARM. PLUS UPGRATE TO EXISTING CONTROLLER	IAIN DRAINS: 8x36"x24" VGB W/ BODIED SUMP	(4 M.D.) V = 0.54 FT/SEC
				5	ACCUTAB MODEL 3150AT FOR COMPETITION POOLS AND MODEL 30/0AT FOR THERAPY POOL, WARM WATER POOL	RAINS W/ FLAT COVER 54% PEN AREA = 2800 GPM FL.	
			40	5	POOLS	VATER SUPPLY	PUBLIC 3"
			41	1 QTY	PROTECTIVE GOGGLES, PVC GLOVES AND MASK		I ODLIC 3
			43	QTY	SIGNS FOR ACID, CHLORINE, ENZYME AND INSTRUCTIONS	URGE CAPACITY EQUIRED (EFFECTIVE)	14,163 GAL.
			44 45	15 1	THERMOMETERS TRERICE ST ST ADJUSTABLE WITH WELLS  TEST KIT TAVEOR SERIES K 17/10 ADDITIONAL SET FOR TESTING TO 50 DDM	EQUIRED (EFFECTIVE) URGE TANK UTTER	9,760 GAL. TANK
			46	1	PORTABLE VACUUM PUMP SYSTEM AND (2) DOLPHIN AUTOMATIC CLEANERS	OTAL EFFECTIVE	7,210 GAL GUTTER 16,970 GAL
			47	16 QTY	STAINLESS STEEL HANDRAILS AND CUSTOM RAILS FOR RAMP WITH HANDICAP RETURNS – POWDER COATED		REGENERATIVE MEDIA FILTER
			49	11	SETS OF GRAB RAILS 316 L STAINLESS STEEL 1.5O.D., ,145 WALL WITH ST ST ESCUTEONS AND ANCHORS – FILE	ILTER AREA	BSG50T = 1,488 SF
			50	12	WITH 6" DEEP ST. ST. ANCHORS AND DROP IN COVERS.	ILTRATION RATE	2,556 GPM / 1,488 S.F. = 1.7 GPM / SF
			51	24	BUBA TEEGULUBBE BABALEL BOUY OBATNIO WITU ANOLEO	ILTER PIPING	
			52 53	QTY 48	DURA TEECH HDPE PARALEL POLY GRATING WITH ANGLES.	MAIN DRAIN GUTTER DRAIN	MAIN DRAIN: 16" GUTTER DROP OUT: 16"
					DEACH EXISTING 50M COMPETITION DOOF (16 DEOID ) WITH WEDGE SIDE STED ST ST ANCHORS DACKSTROKE	RETURN	10" FILTER RETURN
			54	10	DEDLACE EVICTING ANCHORS IN EVICTING DOOL AND CLISTOM MAKE ANCHORS FOR EVICTING DURI KHEADS	ETS	
			1	1	i lair	~	1
			55	QTY	WAVE QUELLING RACING LANE FOR 50M, 25M, 25Y MARKER LINES INCLUDING COMPETITOR WITH HARDWARE WITH	MAIN DRAIN RETURN	NA

BACKSTROKE MARKER WITH STAINLESS STEEL ANCHORS, FLAGS WITH TEAM NAME.

COVER DEWATERING MANHOLE WITH THE INLAY

QTY PLASTIC COATED STAINLESS STEEL CABLE ACROSS. BACKSTROKE PENNANT LINE 12" X 18" WITH ALTERNATING

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

60 28 PS2-PFS COPOL YMER RUNGS FOR BALANCE TANKS SET 12" CC
61 2 PUMP PIT RAILS BY DIV. 05.

COLORS AND INDIVIDUAL NUMBERS AND LETTERS FOR TEAM NAME. REC #92-306 AND 92-307. INSTALL WITH ANTI

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

ITEM QUANTITY EQUIPMENT DESCRIPTION

CIRCULATION & DISTRIBUTION EQUIPMENT

REPLACE ALL EXISTING VALVES AND EQUIPMENT ON EXISTING POOL

ISOMETRIC AND DETAILED INSTRUCTIONS

VALVE AND EQUIPMENT TAGS

STARTUP AND FILL INSTRUCTIONS

WATERPROOF ALL SURGE TANKS

**EQUIPMENT SCHEDULE** 

DIRECTIONAL ARROWS ON ALL PIPING COVER ALL SUMPS WITH FRP GRATING

PIPING MODIFICATIONS IN EXISTING SURGE TANK

THIN SET POOL DECK AND THICK SET POOL BASIN

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.

78 INLETS 2" ABS FLOOR INLETS STARITE MODEL NO. #08417 WHITE IN COLOR

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

SIDE WALL INLETS HAYWARD MODEL NO. SP-1022 1 1/2" WITH SP-1419 DIRECTIONAL INLET FITTINGS

QUATI	C DRAWINGS - INDEX
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 & DETAILS
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 MECHANICAL ROOM
PLE4.0	PIPING ISOMETRIC - EXISTING COMPETITION POOL

**DIVING POOL** 

144,000 GALLONS

172 LF (INSIDE GUTTER)

12 HOURS (720 MINUTES)

(9) FLOOR INLETS: ADJ. 2" DIA.

(2) WALL INLETS (STEPS)

(2 M.D.) V = 0.54 FT/SEC

1,490 SF

6.0 HRS

400 GPM

PUBLIC 1 1/2"

5,019 GAL. TANK

BSG20T = 200 SF

MAIN DRAIN:6"

GUTTER DROP OUT: 6"

CALCIUM HYPOCHLORITE

SODIUM BISULFATE

ULTRA VIOLET SYSTEM

CO2

6" FILTER RETURN

5,879 GAL

2,556 GPM / 1,488 S.F. = 1.7 GPM / SF 400 GPM/ 200 SF = 2.0 GPM / SF

860 GAL GUTTER

REGENERATIVE MEDIA FILTER

THERAPY POOL

139 LF (INSIDE GUTTER)

6 HOURS (360 MINUTES)

1.03 HOUS (62 MINUTES)

(1) WALL INLET (STEP)

(2 M.D.) V = 0.54 FT/SEC

PUBLIC 1 1/2"

5,030 GAL TANK

BSG20T = 200 SF

MAIN DRAIN: 8"

6" FILTER RETURN

JETS SUPPLY: 3"

SODIUM BISULFATE

ULTRA VIOLET SYSTEM

CALCIUM HYPOCHLORITE

JETS (10)

CO2

GUTTER DROP OUT: 8"

5,722 GAL.

692 GAL. GUTTER

REGENERATIVE MEDIA FILTER

400 GPM/ 200 SF = 2.0 GPM / SF

(9) FLOOR INLETS: ADJ. 2" DIA.

24,150 GALLONS

1.034 SF

400 GPM

WARMING POOL

6,746 GALLONS

86 LF (INSIDE WALL)

.5 HOURS (30 MINUTES)

.28 HOUS (17 MINUTES)

(2 M.D.) V = 0.54 FT/SEC

REGENERATIVE MEDIA FILTER

400 GPM/ 200 SF = 2.0 GPM / SF

(10) WALL INLETS:

PUBLIC 1 1/2"

BSG20T = 200 SF

MAIN DRAIN: 8"

SKIMMERS: 6"

6" FILTER RETURN

JETS SUPPLY: 4"

SODIUM BISULFATE

CALCIUM HYPOCHLORITE

JETS (17)

CO2

325 SF

400 GPM

CALCIUM HYPOCHLORITE

ULTRA VIOLET SYSTEM

SODIUM BISULFATE

- INLETS

SANITATION SYSTEM

**SECONDARY SANITATION -**

CHLORAMINE DESTRUCT

PH MODIFICATION

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



**COMPETITION POOL** 

6 HOURS (360 MINUTES)

GUTTER: (198) 3/8"

(4 M.D.) V = 0.54 FT/SEC

REGENERATIVE MEDIA FILTER

1,700 GPM/ 940 SF = 1.8 GPM / SF

612,000 GALLONS

12,940 S.F.

495'-0"

6.0 HRS

1,700 GPM

PUBLIC 4"

EXISTING

EXISTING

BSG40T = 940 SF

MAIN DRAIN: 12"

10" FILTER RETURN

GUTTER DROP OUT:(2) 8"

CALCIUM HYPOCHLORITE

SODIUM BISULFATE

ULTRA-VIOLET SYSTEM

CO2

BILL ROBERTSON POOL DESIGN

FIELDHOUSE GYMNASIUM -KEY PLAN

CONSTRUCTION DOCUMENTS

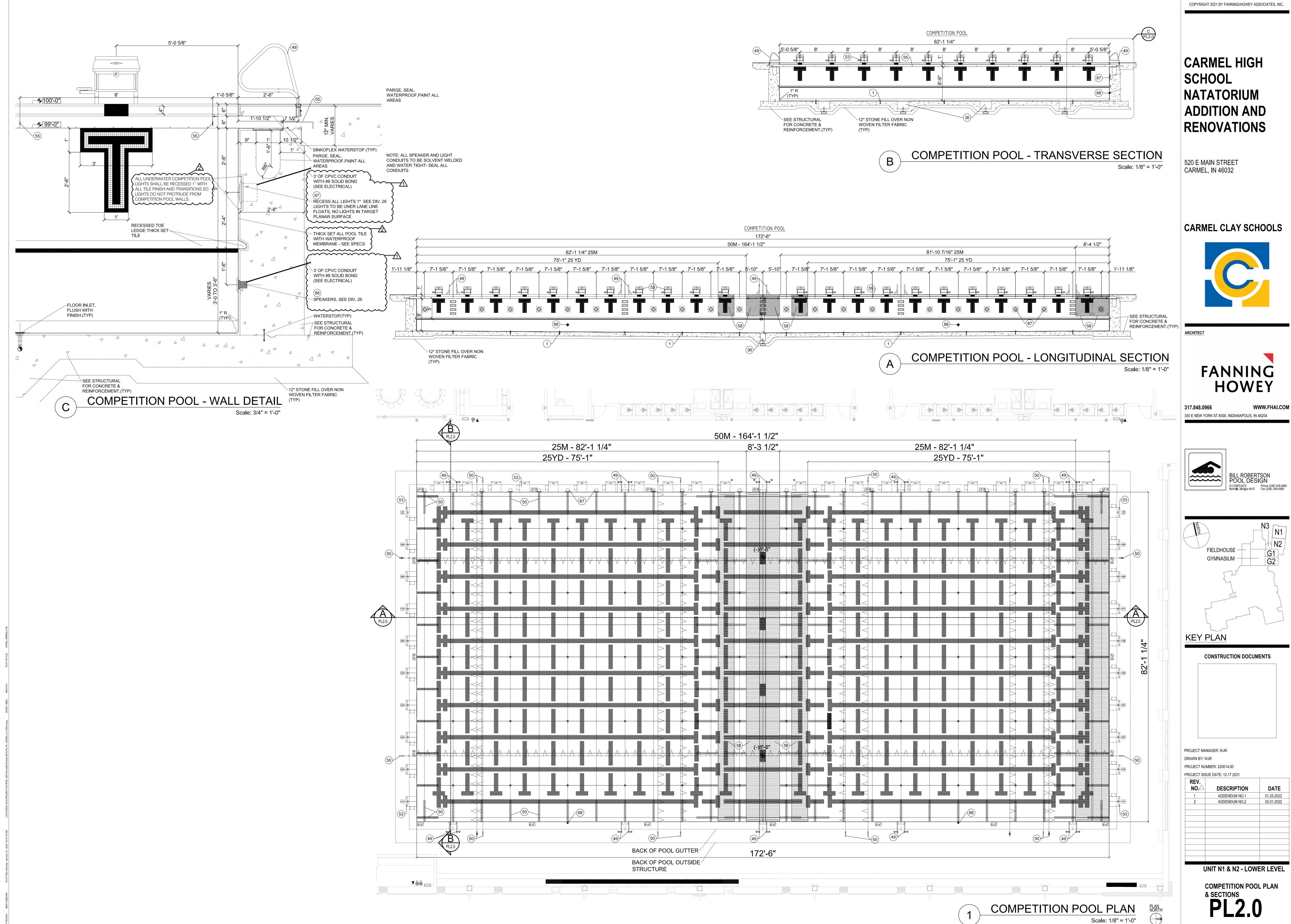
PROJECT MANAGER: WJR DRAWN BY: WJR PROJECT NUMBER: 220014.00

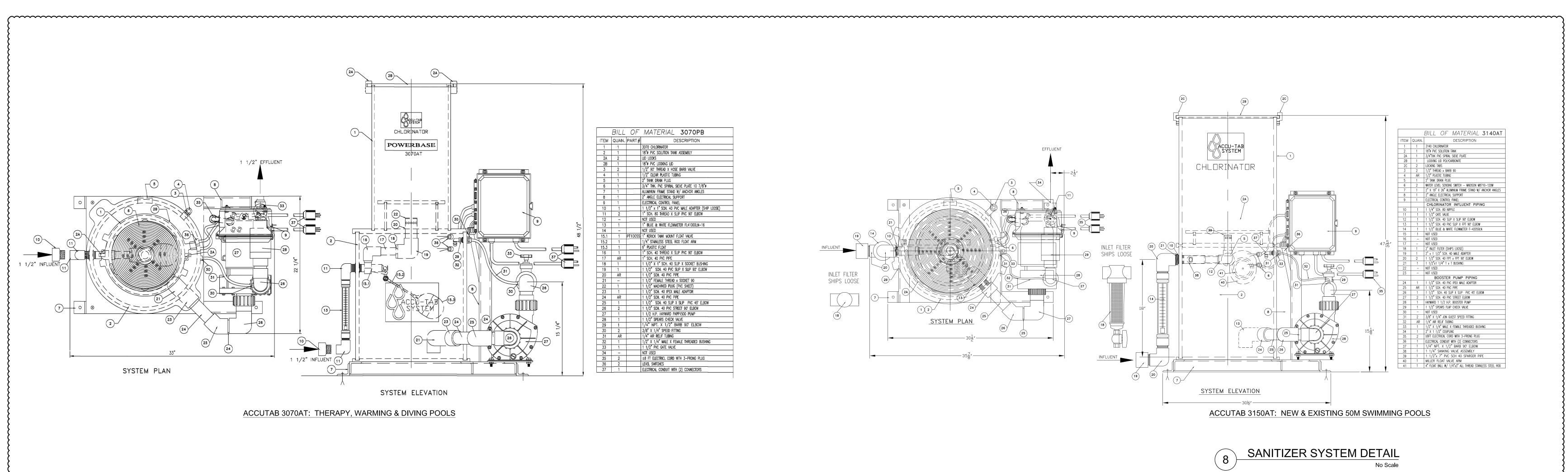
PROJECT ISSUE DATE: 12.17.2021

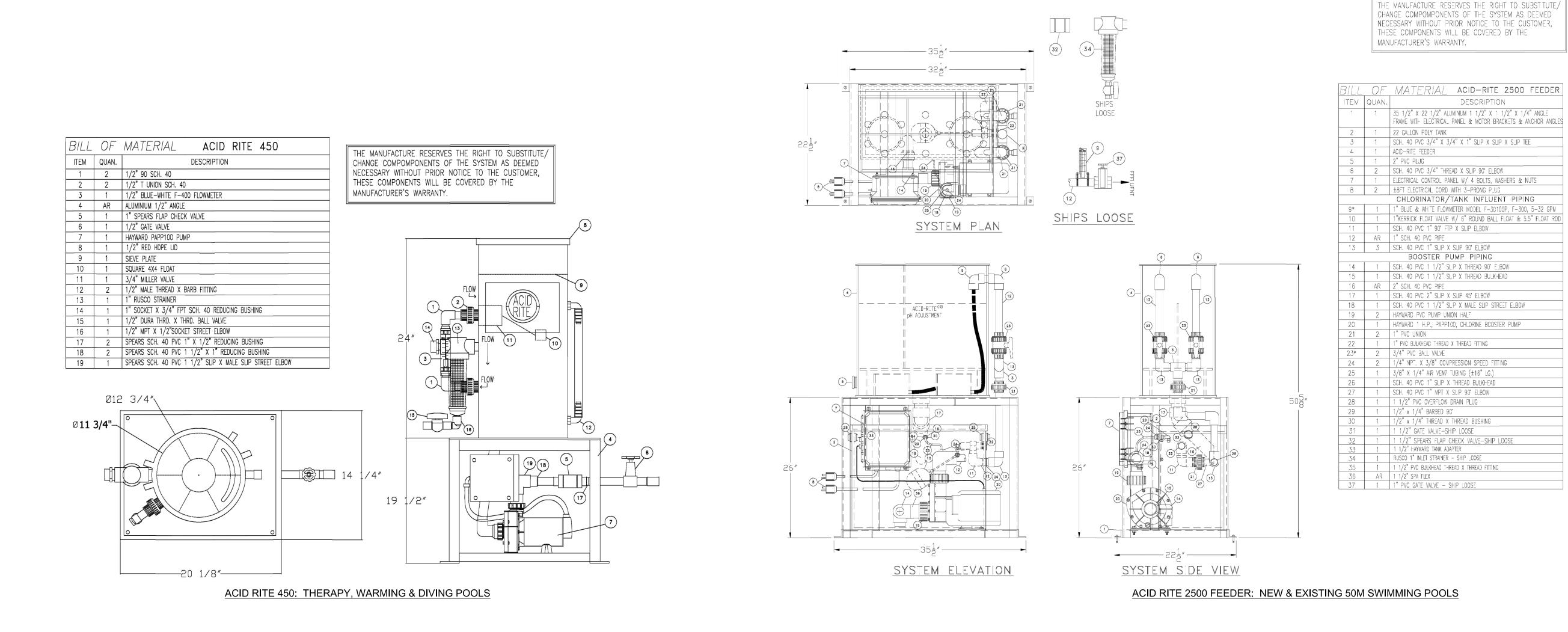
REV. NO.△	DESCRIPTION	DATE
1	ADDENDUM NO.1	01.25.2022
2	ADDENDUM NO.2	02.01.2022
	INIT NA O NO I OWI	

UNIT N1 & N2 - LOWER LEVEL

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







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

520 E MAIN STREET CARMEL, IN 46032

CARMEL CLAY SCHOOLS

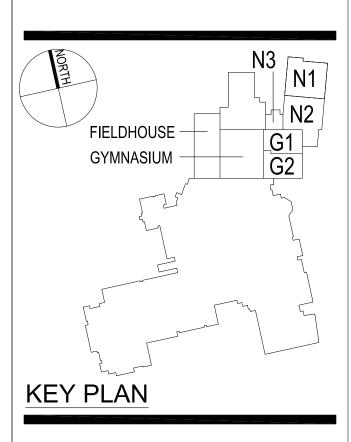




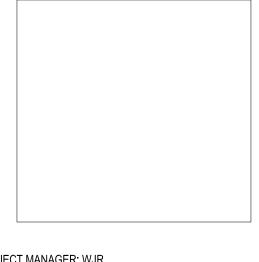
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BILL ROBERTSON POOL DESIGN 913 WHITEGATE Phone (248) 348-4960 Northville, Michigan 48167 Fax (248) 348-4968



CONSTRUCTION DOCUMENTS



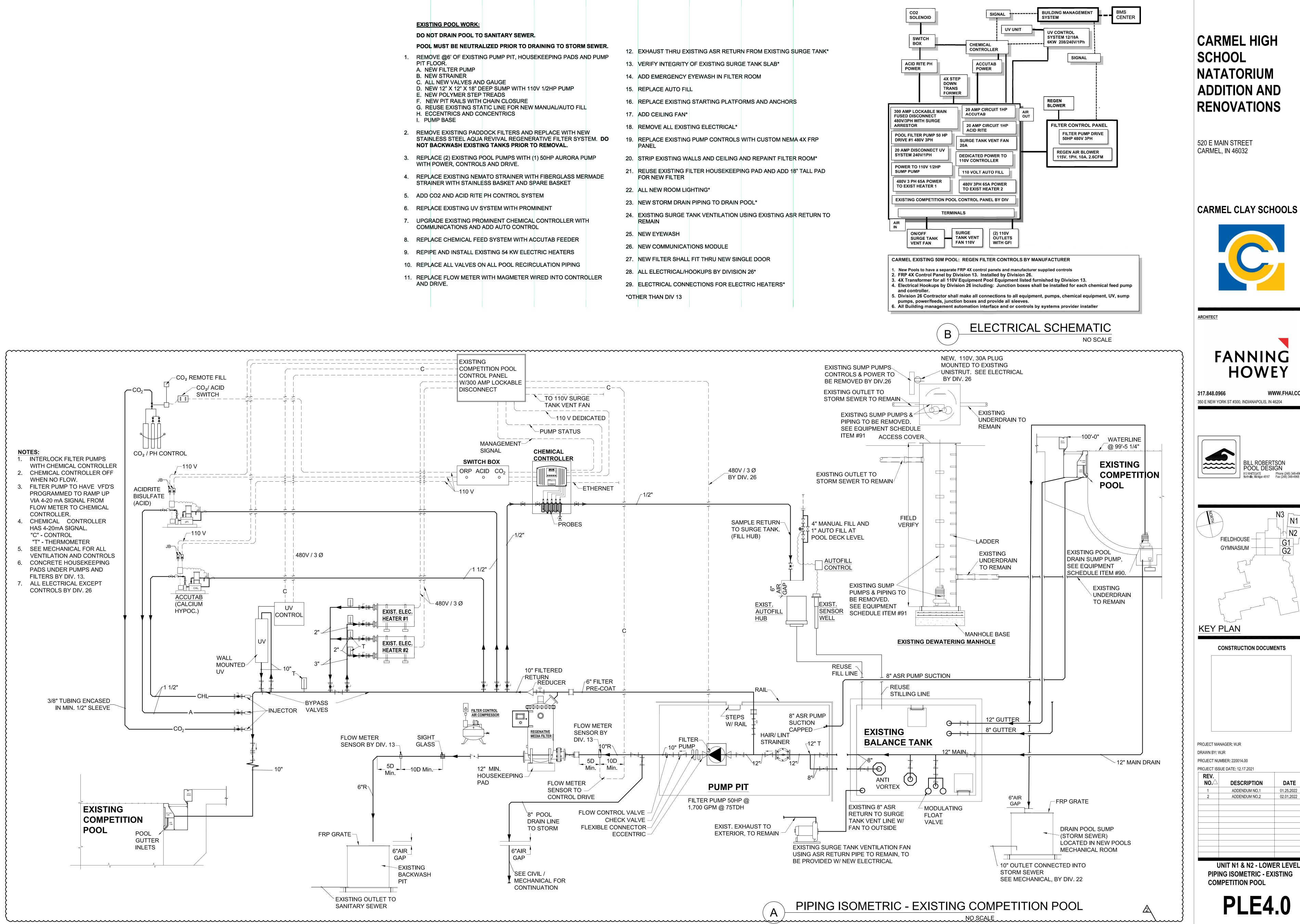
PROJECT MANAGER: WJR DRAWN BY: WJR

PROJECT NUMBER: 220014.00 PROJECT ISSUE DATE: 12.17.2021 REV.

IVE AT		
NO.	DESCRIPTION	DATE
1	ADDENDUM NO.1	01.25.2022
2	ADDENDUM NO.2	02.01.2022
l	JNIT N1 & N2 - LOW	ER LEVE

**DETAILS** 

pH MODIFICATION SYSTEM DETAIL







WWW.FHAI.COM

913 WHITEGATE Phone (248) 348-496 Northville, Michigan 48167 Fax (248) 348-4968

DATE 02.01.2022

CARMEL HIGH SCHOOL NATATORIUM ADDITION AND

RENOVATIONS

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CARMEL CLAY SCHOOLS



ARCHITECT



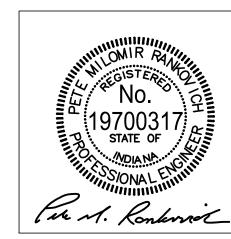
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350 E NEW YORK ST #300, INDIANAPOLIS, IN 46204

CONSULTANT



CONSTRUCTION DOCUMENTS



PROJECT MANAGER: PMR
DRAWN BY: HHW

PROJECT NUMBER: 220014

PROJECT NUMBER: 220014.00

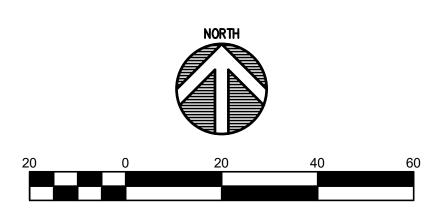
PROJECT ISSUE DATE: 12.17.2021

REV.
NO. DESCRIPTION DATE

NO.△	DESCRIPTION	DATE
1	ADDENDUM #1	01.25.2022
2	ADDENDUM #2	02.01.2022
		+

**DEMOLITION PLAN - SOUTH** 

**GD1.2** 



### GENERAL NOTES

INV.(ŚW, INV.(N)=

INV. 815.22 (N)

ST-203

ST-204

RIM. = 823.19'

INV. 818.68 (W)

INV. 816.98 (E)

RIM. = 823.45'

INV. 818.74 (E)

INV. 818.74 (W)

FENCE

INV.(NE)= 817.88 (15" RCP)

~ PROPERTY LINE

INV.(SW)= 814.92 (42" CMP)
INV.(NE)= 814.92 (42" CMP)

RIM. = 823.85'

INV. 819.54 (SW)

LOT 54

 $\mathbf{\omega}$ 

Know what's **below**.

Call before you dig.

Call 811 or 1-800-382-5544 Before You Begin Any Digging Project. Call 48 hours or 2 working days before you dig. It's Fast, It's Easy and It's the Law in the state of Indiana!

CAUTION!!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR

WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR

WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE **EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES** 

SHALL BE VERIFIED BY CONTRACTOR PRIOR TO ANY AND

M INV. 819.44 (N)

BEEHIVE INLET TOR= 821.93 INV.(NW)= 818.29 (12" RCP)

INV.(SW)= 817.68 (42" CMP) INV.(NE)= 817.52 (42" CMP)

INV.(SE)= 820.74 (12" RCP) BOTTOM= 820.31

ST-202 RIM. = 824.34'

INV. 820.34 (S)

INV. 818.84 (E)

INV. 820.34 (N)

MATCHLINE - SHEET SU1.1

MATCHLINE - SHEET SU1.2

PROPOSED NATATORIUM

**BUILDING ADDITION** 

F.F.E.= 831.98

RIM. = 825.75'

INV. 821.08 (N)

F.F.E.= 831.98

INV. 821.58 (SW)

ST-102

PROPOSED NATURAL GAS SERVICE LINE IS FROM EXISTING GAS MAIN LOCATED WITHIN

MAIN STREET RIGHT-OF-WAY (SEE SHEET

COORDINATE WITH CENTERPOINT ENERGY.

SU1.3 FOR MORE INFORMATION).

LOT 52

RIM. = 827.92'

INV. 823.58 (W)

INV. 823.48 (NE)

INV.=824.14

RIM. = 831.63'

INV. 819.99 (S)

INV. 819.53 (N)

INV. 827.88 (W)

INV. 820.88 (SW)

ST-401

— 8" SAN. LATERAL

INV.= 819.98

INV.=819.91

└─ 6" SAN. LATERAL

INV.= 825.31

SANITARY LIFT STATION TOR= 832.80

£43

EXISTING POOL UNDERDRAIN -

ST-101

DRAINAGE MANHOLE
TOR= 833.64 INV.(SW)= 829.77 (18" RCP)
INV.(NE)= 829.59 (18" RCP)

RIM. = 833.87'

INV. 824.68 (E)

INV. 827.44 (NE) INV. 827.44 (S)

RIM. = 832.72' INV. 825.52 (N)

INV. 827.48 (E)

INV.=823.93

CARMEL HIGH SCHOOL

BUILDING

PARCEL 7

THE METROPOLITAN

SCHOOL DISTRICT OF

CLAY TOWNSHIP

D.R. 160, PG. 169

/F.F.E.= 834.65

SANITARY MANHOLE

TOR= 832.11

INV.(W)= 823.86 (8" PVC)

INV.(SE)= 823.45 (8" PVC)

INV.(SW)= 823.34 (10" PVC)

INV.(N)= 823.30 (8" PVC)

- 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					
— sт — оп ——	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				
е ———	EXISTING ELECTRICAL LINE				

NATATORIUM **ADDITION AND** RENOVATIONS

CARMEL CLAY SCHOOLS





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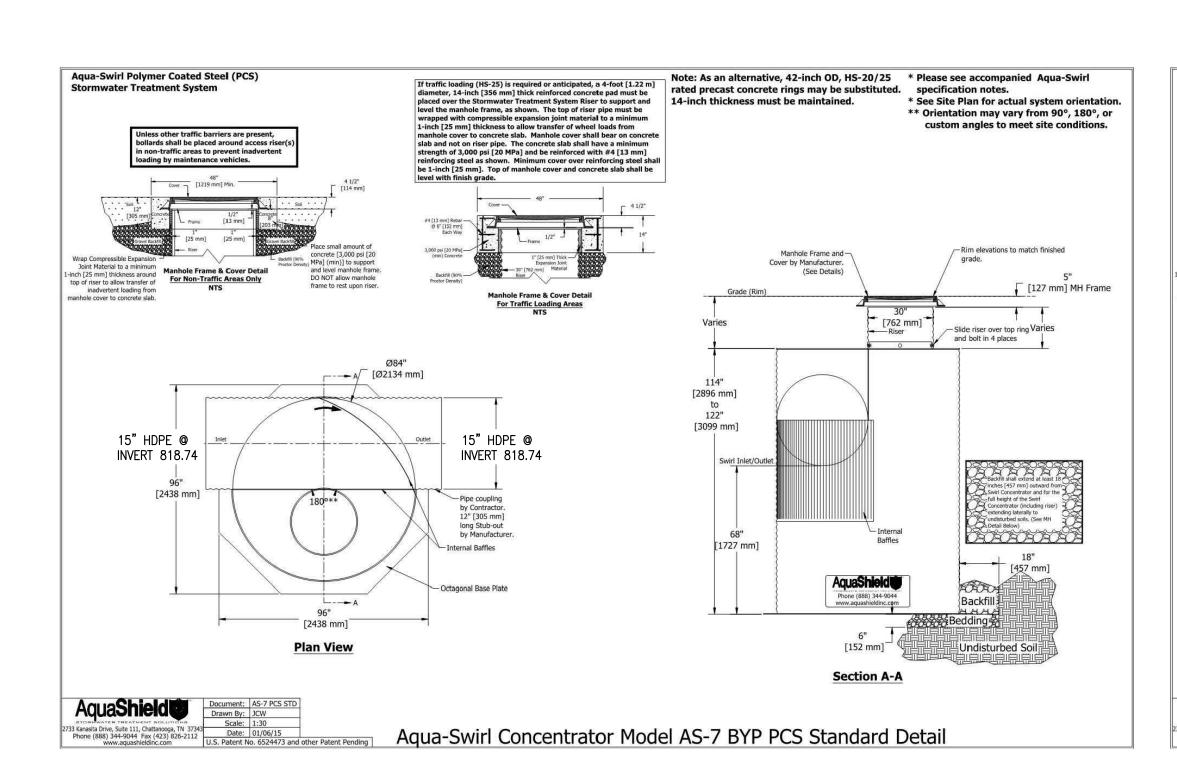
CONSTRUCTION DOCUMENTS



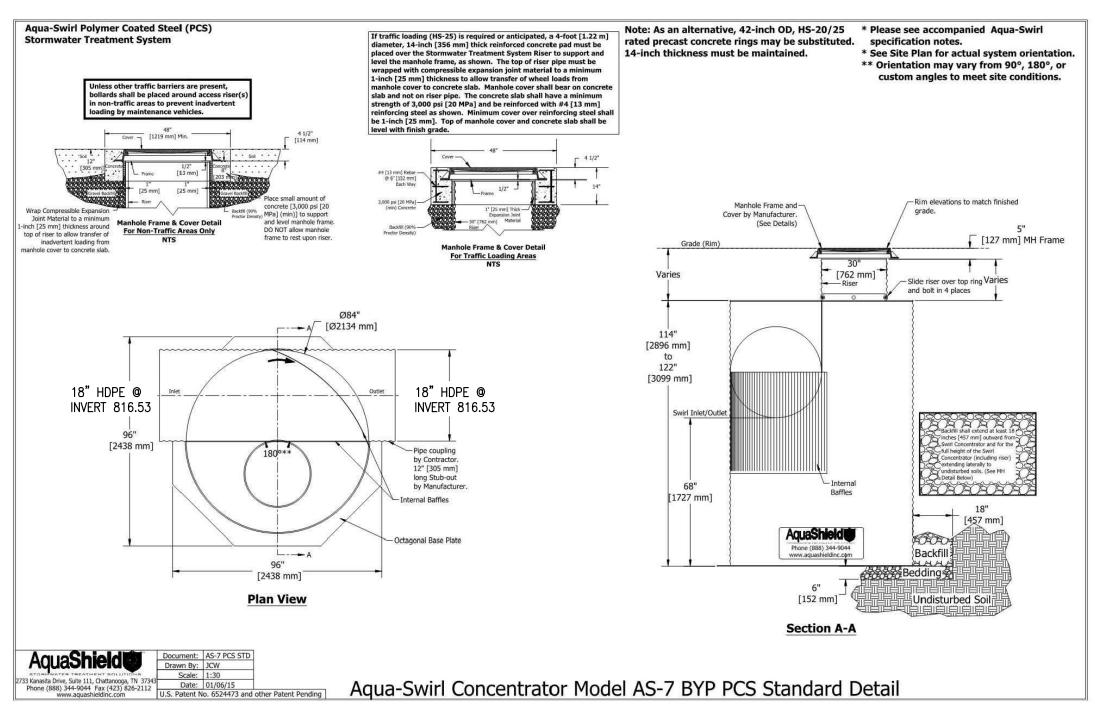
REV. NO.△	DESCRIPTION	DATE
NO.—		
1	ADDENDUM #1	01.25.2022
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**UTILITY PLAN - SOUTH** 

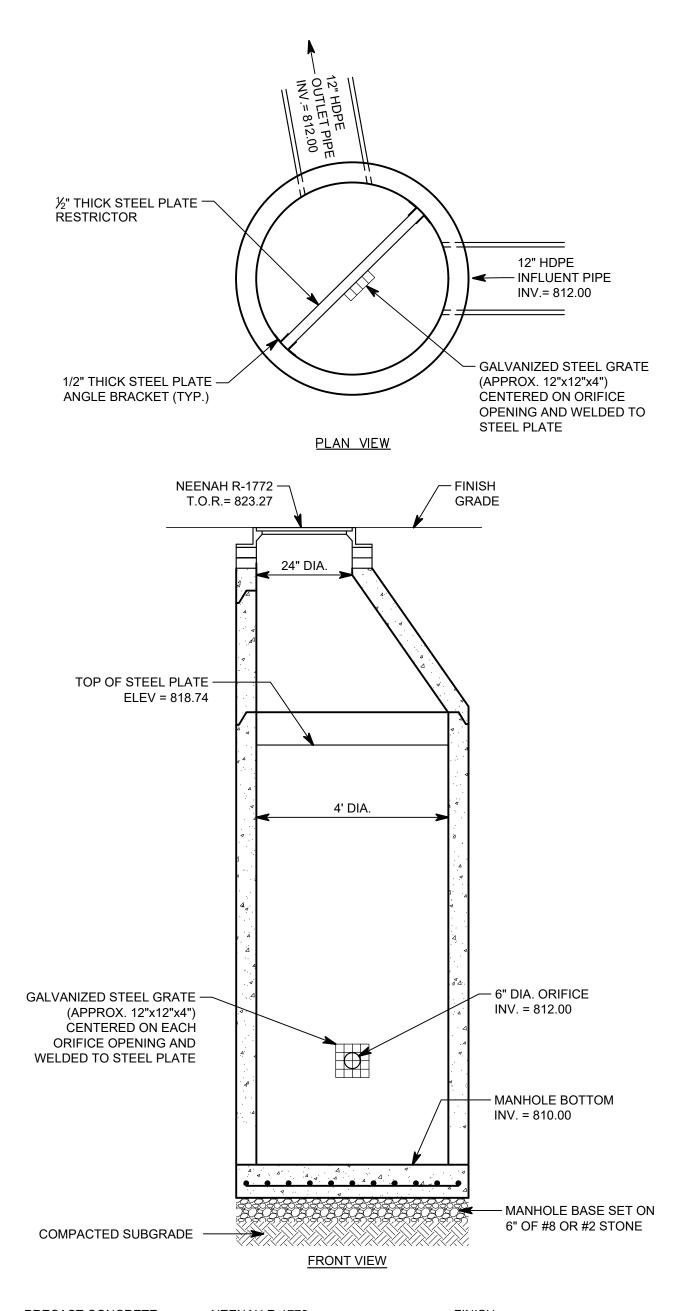
STR. NO.	STRUCTURE	STRUCTURE DETAIL REFERENCE	CASTING TYPE	RIM	INCOMING PIPE DATA (DIRECTION) [FROM STR]	OUTGOING PIPE DATA (DIRECTION) [TO STR]	OUTGOING PIPE L.F.	OUTGOING PIPE SIZE	OUTGOING GRADE	CONNECT TO STR.	REMARKS
101	Type "C" Manhole		R-1772	833.87	10" DIP 827.44 (NE) [] 18" RCP 827.44 (S) []	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 DRAI
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 DRAII
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" R
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" R
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" DIF 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" R
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 ROO 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" A 18" RCP'S

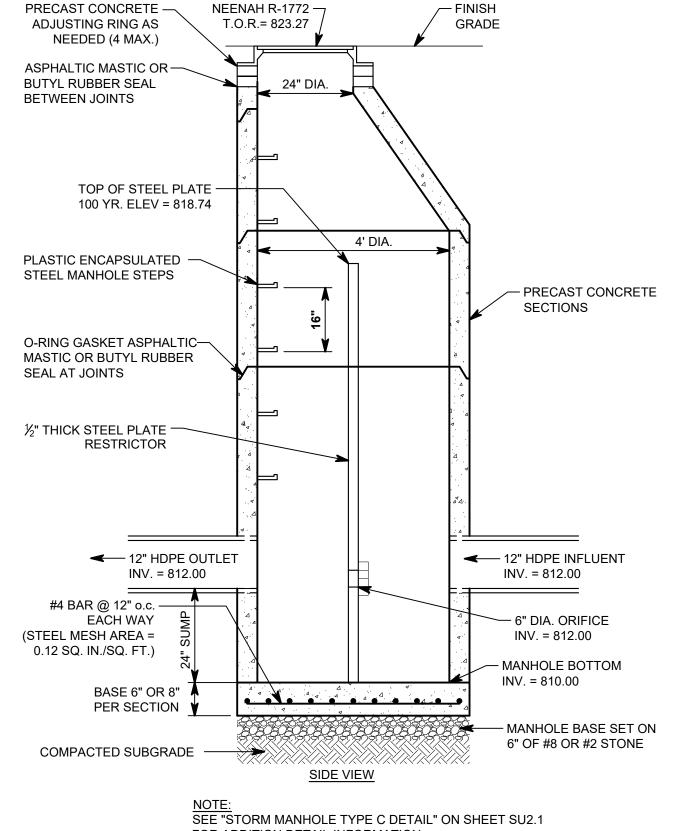


STORM WATER QUALITY BMP STRUCTURE (ST-203)
NO SCALE



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





STR. #501 OUTLET CONTROL STRUCTURE DETAIL
NOT TO SCALE

FOR ADDITION DETAIL INFORMATION.

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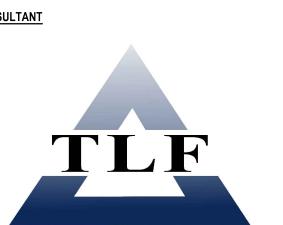


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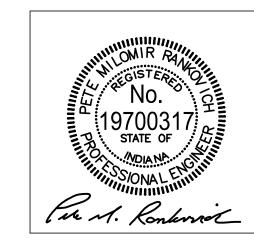


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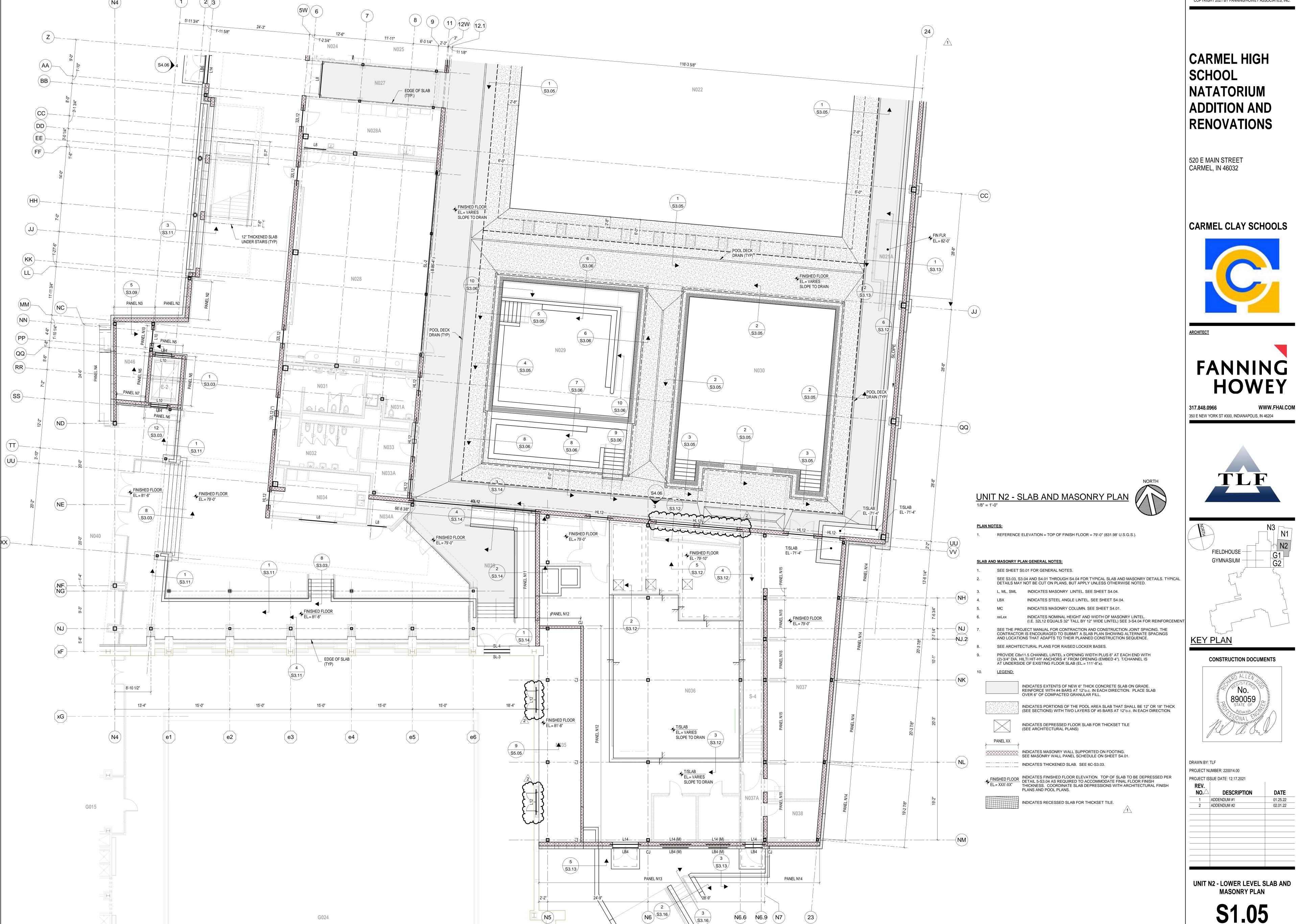
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PROJECT NUMBER: 220014.00

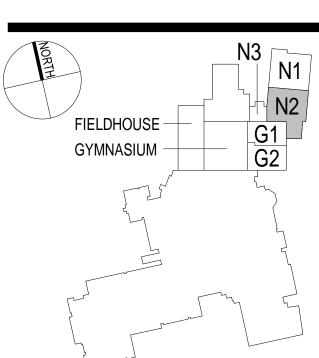
PROJECT IS	SUE DATE: 12.17.2021	
REV. NO.△	DESCRIPTION	DATE
1	ADDENDUM #1	01.25.2022
2	ADDENDUM #2	02.01.2022

**UTILITY DETAILS** 

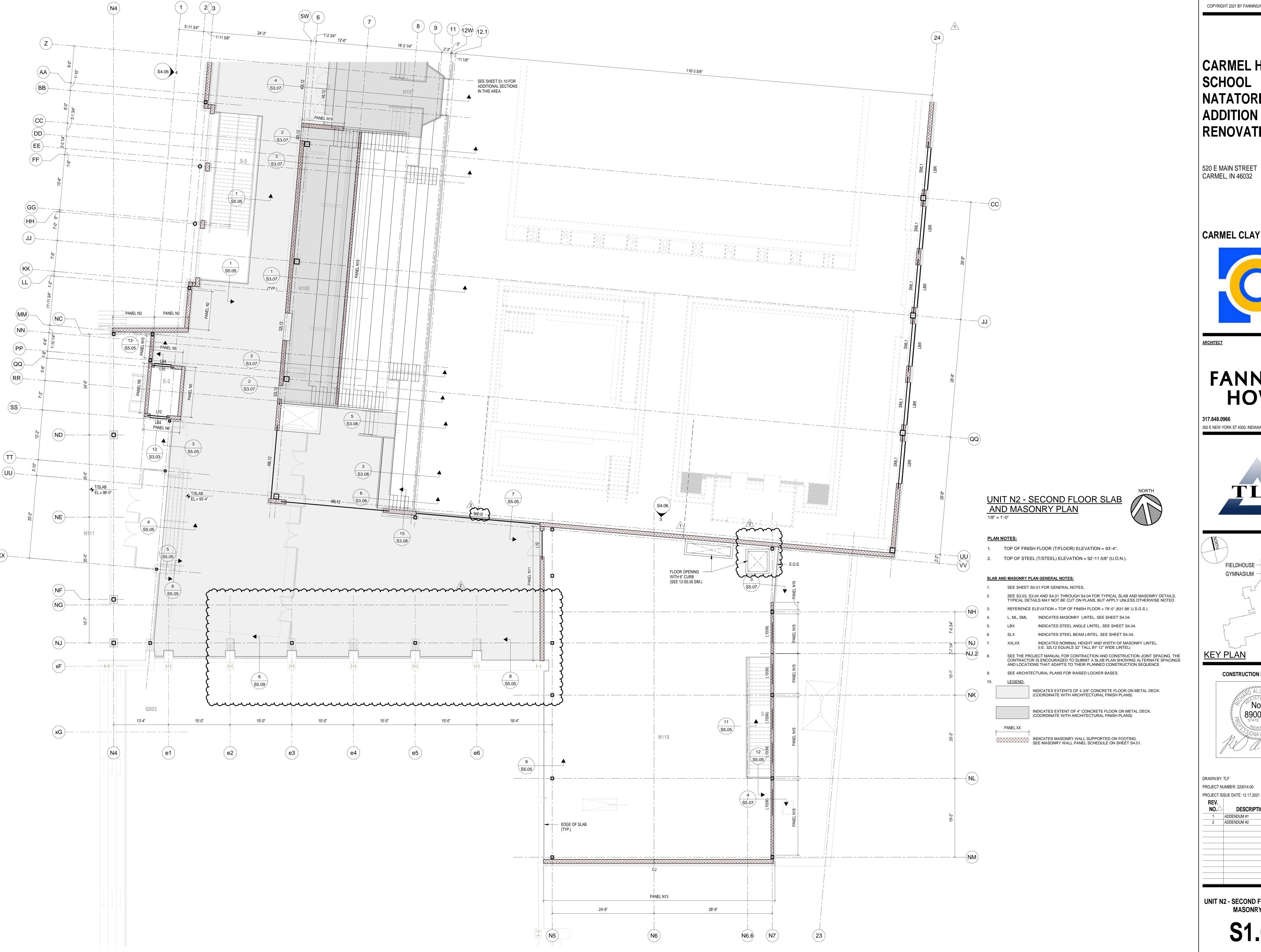
**SU2.3** 







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2	ADDENDUM #2	02.01.22



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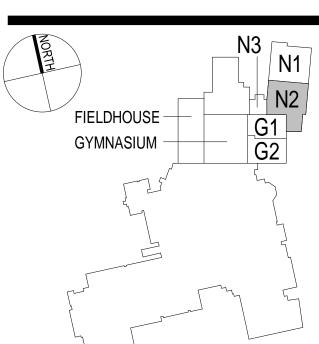
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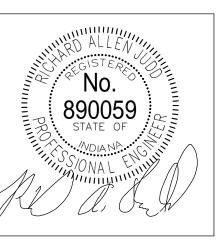


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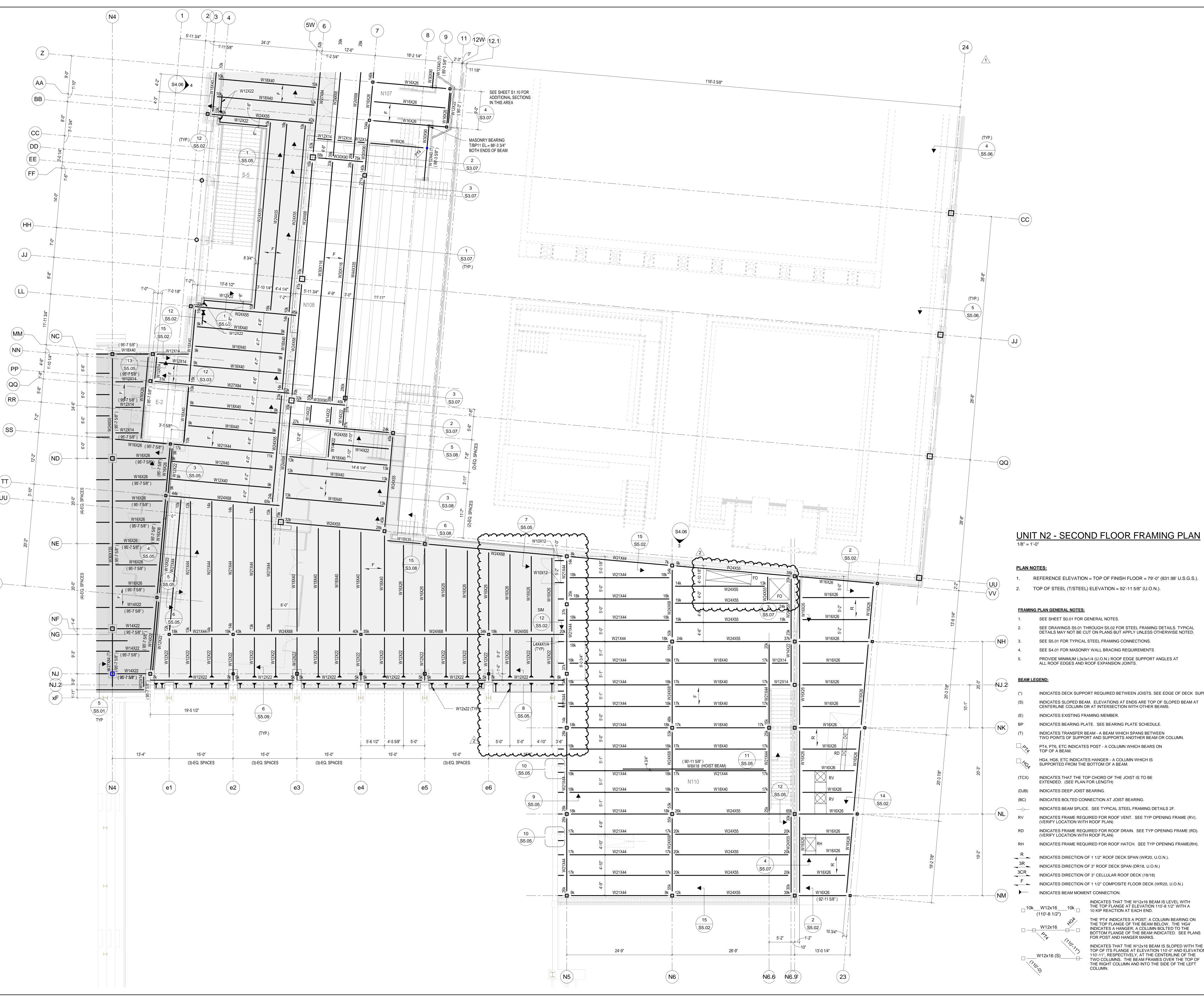
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PROJECT NUMBER: 220014.00

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UNIT N2 - SECOND FLOOR SLAB AND MASONRY PLAN



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CONSTRUCTION DOCUMENTS

890059

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PROJECT NUMBER: 220014.00

PROJECT ISSUE DATE: 12.17.2021

1 ADDENDUM #1

NO. DESCRIPTION

## 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.
- 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). RH INDICATES FRAME REQUIRED FOR ROOF HATCH. SEE TYP OPENING FRAME(RH).
- 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.)

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

2 ADDENDUM #2 02.01.22

DATE

01.25.22

**UNIT N2 - SECOND FLOOR FRAMING** PLAN

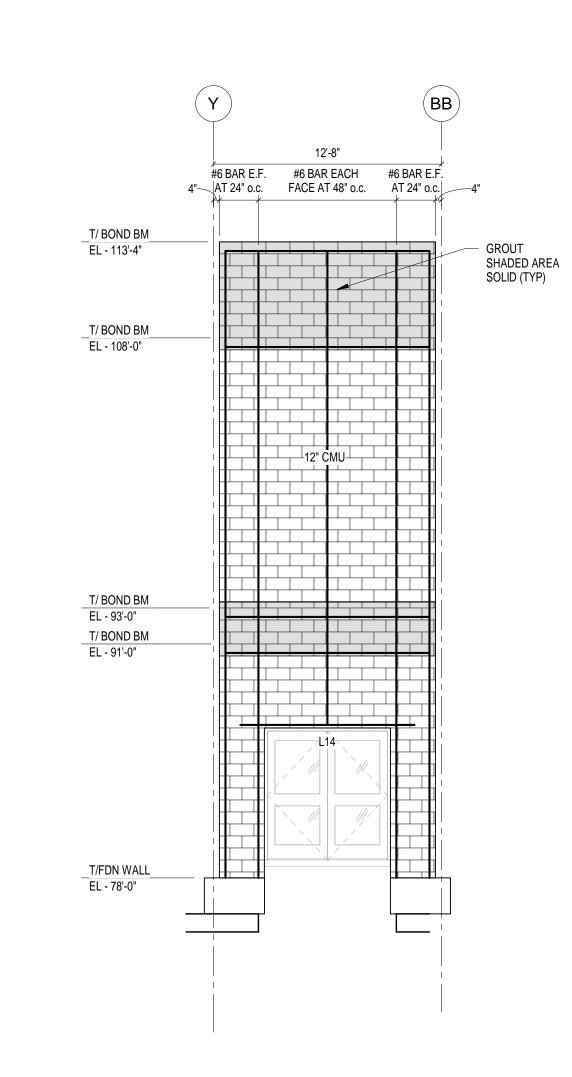
14'-1 3/4" 15'-0" 15'-0" 24'-3" 33'-2 1/4" #6 BAR EACH FACE AT 32" o.c. #6 BAR EACH FACE AT 48" o.c. #6 BAR EACH FACE AT 32" o.c. #6 BAR EACH FACE AT 8" o.c AT MASONRY COLUMNS (TYP) T/BOND BM EL - 136'-0" T/BOND BM EL - 132'-0" T/BOND BM EL - 130'-8" T/BOND BM EL - 128'-0" T/BOND BM\_ EL - 127'-4" GROUT 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

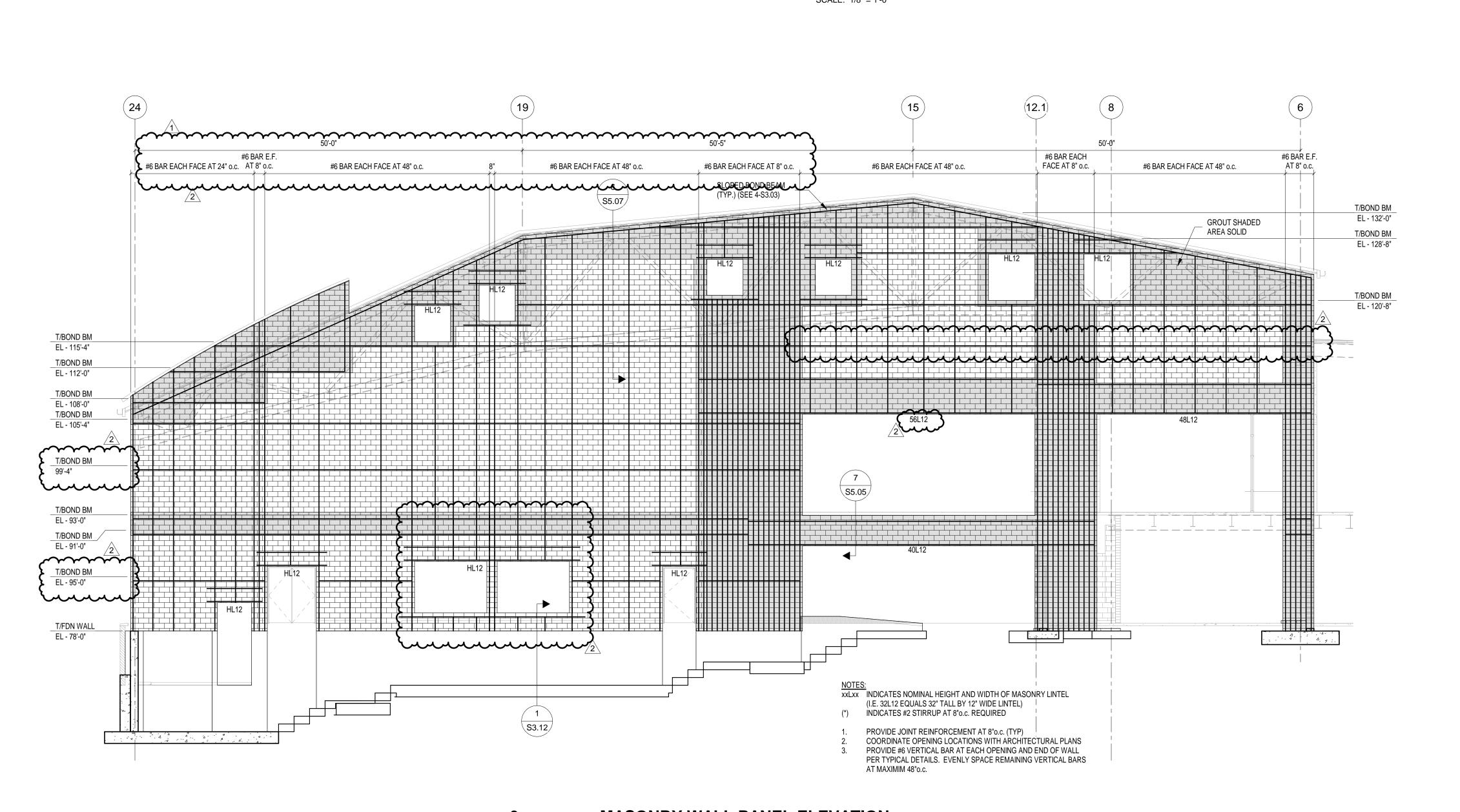
(I.E. 32L12 EQUALS 32" TALL BY 12" WIDE LINTEL)

(\*) 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"



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

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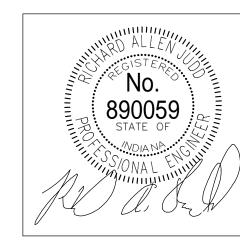
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**MASONRY WALL PANEL ELEVATIONS**