# ADDENDUM NO. 3

August 30, 2024

Carmel High School Football Stadium
Additions and Renovations
2390 E. Smoky Row
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 July 26, 2024, by Fanning/Howey. 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 ADD 3-1, and Fanning/Howey Addendum No. Addendum No. 3, consisting of New Project Manual Section 07 11 13 – Bituminous Dampproofing, and Revised Drawing Sheets G1.1, G1.2, G4.1, G4.2, S1.01, S1.02, S2.07, A2.03, A5.02, A6.03, A6S.01, M2.01, M5.01, E2.01, E5.01, E5.02, E5.03, E5.04, E5.05 and E8.02 .

**A. <u>SPECIFICATION SECTION 01 12 00 MULTIPLE CONTRACT SUMMARY</u>**

C. Bid Category No. 3 Masonry

Add:

| | | |
|---|---|---|
| Section | 07 92 00 | Joint Sealants |

<u>Clarifications</u>

Add:

8. All contractors are responsible to caulk their own work. In general, the Contractor whose work creates the joint to be caulked is to provide the joint sealant.

# A D D E N D U M  N O. 3

Carmel High School Stadium Grandstand Renovation Project

Carmel Clay Schools
Carmel, Indiana

Project No. 222154.00

## Index of Contents

Addendum No. 3, 8 items, 3 pages
New Project Manual Section: 07 11 13 – Bituminous Dampproofing
Revised Drawing Sheets: G1.1, G1.2, G4.1, G4.2, S1.01, S1.02, S2.07, A2.03, A5.02, A6.03, A6S.01, M2.01, M5.01, E2.01, E5.01, E5.02, E5.03, E5.04, E5.05 and E8.02,

August 30, 2024

I hereby certify that this Addendum was prepared by me or under my direct supervision and that I am a duly registered Architect/Engineer under the Laws of the State of Indiana.

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


Paul A. Miller, License No. AR10800161
Expiration Date: 12/31/2025

TO: ALL BIDDERS OF RECORD

ADDENDUM NO. 3 to Drawings and Project Manual, dated July 26, 2024, for the Carmel High School Stadium Grandstand Renovation Project for Carmel Clay Schools, 5201 E. Main St., 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. ADDENDUM NO. 2

A. Delete Item No. 19 in its entirety.

ITEM NO. 2. NEW PROJECT MANUAL SECTION

A. New Project Manual Section 07 11 13 – Bituminous Dampproofing is included with and hereby made a part of this Addendum. Note: This Project Manual Section was not included in Addendum No. 2 as indicated.

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

A. Replace 2.13, A., 1., b., as follows:

"b. Foamular, NGX, Owens Corning."

A. Replace 2.13, A., 2., as follows:

"2. Thickness/R-Value: As indicated on Drawings or as required to provide minimum R-value of 11.4."

ITEM NO. 4. PROJECT MANUAL, SECTION 11 52 13 – FRONT PROJECTION SCREENS

A. Delete 1.1, A., 2., in its entirety.

B. Delete Article 2.4, in its entirety.

C. Delete 2.5., B., in its entirety.

D. Delete 3.2, B., 1, 2., and 3., in their entirety.

ITEM NO. 5. PROJECT MANUAL, SECTION 12 32 16 – MANUFACTURED PLASTIC-LAMIANTE-FACED (EDUCATIONAL) CASEWORK

A. Replace 2.8, F., 3., as follows:

"3. Provide locks on all doors and drawers except in locations indicated on Drawings."

ITEM NO. 6. PROJECT MANUAL, SECTION 23 09 93 – HVAC SEQUENCES OF OPERATIONS

A. Replace 1.5, U.,1., b., as follows:

"b. Any air handling unit, blower coil unit, and unit ventilator low-limit or freeze-stat alarm."

B. Replace 1.5, U.,1., c., as follows:

"c. Any air handling unit, blower coil unit, and unit ventilator supply fan failure."

C. Replace 1.5, U.,1., d., as follows:

"d. Any air handling unit, blower coil unit, and unit ventilator condensate pan overflow detection."

D. Add 1.5, V., as follows:

"V. Emergency Generator

1. Monitor the status of the emergency generator. Ensure that the signal is connected to a controller that is on emergency power, so that an alarm message can be sent to the owner's representative to alert them that the emergency generator is operating. The Network Area Controllers (NAC's) will have emergency power provided by the Division 26 Electrical contractor. The server PC will need a UPS. Division 26 will also furnish emergency power to the necessary IT equipment for the alarm to be transmitted via web based GUI to the owner. Coordinate locations with Division 26 Electrical contractor.
2. The Temperature Control Contractor shall ensure that all controls serving the equipment are also provided with emergency standby power.
   a. Building automation system and associated control panels. Coordinate exact locations.
   b. Master Boiler BRL-1 and primary pump HWP-1A.
   c. Boiler BLR-2 and primary pump HWP-1B.
   d. Heating water secondary pump HWP-2A and associated VFC-101.
   e. Furnace FRN-401 serving press box level 1.
   f. Furnace FRN-402 serving press box level 2.
3. The Temperature Control Contractor shall provide for the equipment, systems and building areas to operate while the rest of the building is without power. The Contractor shall provide a means of monitoring the transfer switches in order to receive a signal indicating that the emergency generators are enabled in non-testing mode from the transfer switches. When this signal is received the systems above shall operate to maintain service to the areas of the building indicated above. The equipment shall start sequentially so as not to create a large initial surge on the emergency generator.
4. All control wiring and accessories required between the emergency generator and the BAS shall be by the Temperature Control Contractor.
5. Coordinate with all trades."

ITEM NO. 7. 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 09 51 13 – Acoustical Panel Ceilings
- Sound Concepts, Winnipeg, Manitoba

ITEM NO. 8. REVISED DRAWING SHEETS

A. Drawing Sheets: G1.1, G1.2, G4.1, G4.2, S1.01, S1.02, S2.07, A2.03, A5.02, A6.03, A6S.01, M2.01, M5.01, E2.01, E5.01, E5.02, E5.03, E5.04, E5.05 and E8.02, have been revised, dated 8/23/24, and is included with and hereby made a part of this Addendum. These Drawings supersede the original documents.

END OF ADDENDUM

## SECTION 07 11 13 - BITUMINOUS DAMPPROOFING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Cold-applied, emulsified-asphalt dampproofing.

B. Related Requirements:
   1. Division 03 Section "Cast-in-Place Concrete" for bituminous vapor retarders under slabs-on-grade.
   2. Division 04 Section "Unit Masonry" for mortar parge coat on masonry surfaces.
   3. Division 07 for waterproofing.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product. Include recommendations for method of application, primer, number of coats and coverage or thickness and protection barrier.

1.3 QUALITY ASSURANCE

A. Source Limitations: Obtain primary dampproofing materials and primers through one source from a single manufacturer. Provide secondary materials recommended by manufacturer of primary materials.

B. Product must contain less than one percent asbestos by volume.

C. Perform work in accordance with NRCA ML104 – The NRCA Roofing and Waterproofing Manual; National Roofing Contractors Association; Fifth Edition.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Dampproofing materials shall be delivered to the project site in the original sealed containers bearing the name of manufacturer, contents, and brand name, and stored in a weathertight enclosure to prevent moisture damage and absorption. Dampproofing materials shall be protected from freezing. Asphalt shall be stored off the ground on pallets, and covered on top and all sides with breathable type canvas tarpaulins. Plastic sheets cause condensation buildup; and therefore, shall not be used to cover dampproofing materials. Care shall be taken during storage to avoid separation or settlement of the emulsion components. Damaged or deteriorated materials shall be removed from the Project site.

1.5 FIELD CONDITIONS

A. Weather Limitations: Proceed with application only when existing and forecasted weather conditions permit dampproofing to be performed according to manufacturers' written instructions.

B. Ventilation: Provide adequate ventilation during application of dampproofing in enclosed spaces. Maintain ventilation until dampproofing has cured.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Source Limitations: Obtain primary dampproofing materials and primers from single source from single manufacturer. Provide protection course and auxiliary materials recommended in writing by manufacturer of primary materials.

2.2 PERFORMANCE REQUIREMENTS

A. VOC Content: Products shall comply with VOC content limits of authorities having jurisdiction unless otherwise indicated.

2.3 COLD-APPLIED, EMULSIFIED-ASPHALT DAMPPROOFING

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. APOC, Inc.; a division of Gardner Industries.
2. MBCC Group.
3. Brewer Company (The).
4. ChemMasters, Inc.
5. Euclid Chemical Company (The); an RPM company.
6. Henry Company.
7. Karnak Corporation.
8. Mar-Flex Waterproofing & Building Products.
9. W.R. Meadows, Inc.

B. Products of other manufacturers will be considered for acceptance provided they equal or exceed the material requirements and functional qualities of the specified product. The “Substitution Request Form” and complete technical data for evaluation must accompany requests for A/E’s approval. All materials for evaluation must be received by the Project Manager and Specification Department at least 10 days prior to bid due date. Additional approved manufacturers will be issued by Addendum.

C. Trowel Coats: ASTM D 1227, Type II, Class 1.

D. Fibered Brush and Spray Coats: ASTM D 1227, Type II, Class 1.

E. Brush and Spray Coats: ASTM D 1227, Type III, Class 1.

2.4 AUXILIARY MATERIALS

A. Furnish auxiliary materials recommended in writing by dampproofing manufacturer for intended use and compatible with bituminous dampproofing.

B. Emulsified-Asphalt Primer: ASTM D 1227, Type III, Class 1, except diluted with water as recommended in writing by manufacturer.

C. Asphalt-Coated Glass Fabric: ASTM D 1668, Type I.

D. Patching Compound: Epoxy or latex-modified repair mortar of type recommended in writing by dampproofing manufacturer.

E. Protection Course: ASTM D 6506, semirigid sheets of fiberglass or mineral-reinforced-asphaltic core, pressure laminated between two asphalt-saturated fibrous liners.
1. Thickness: Nominal 1/8 inch or 1/4 inch.
2. Adhesive: Rubber-based solvent type recommended in writing by waterproofing manufacturer for protection course type.

3. Products: Subject to compliance with requirements, provide one of the following:
   a. Protection Course II; Sonneborn/ChemRex
   b. Bitathene Asphaltic Hardboard; W.R. Grace
   c. PC-2 Protection Course; Meadows: W.R. Meadows, Inc.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Applicator present, for compliance with requirements for surface smoothness, maximum surface moisture content, and other conditions affecting performance of the Work.

B. Proceed with application only after substrate construction and penetrating work have been completed and unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Clean, prepare, and treat substrates according to manufacturer's written instructions. Provide clean, dust-free, and dry substrates for dampproofing application.

B. Mask or otherwise protect adjoining exposed surfaces from being stained, spotted, or coated with dampproofing. Prevent dampproofing materials from entering and clogging weep holes and drains.

C. Clean substrates of projections and substances detrimental to dampproofing work; fill voids, seal joints, and remove bond breakers if any.

D. Apply patching compound to patch and fill tie holes, honeycombs, reveals, and other imperfections.

3.3 INSTALLATION, GENERAL

A. Comply with manufacturer's written instructions for dampproofing application, cure time between coats, and drying time before backfilling unless otherwise indicated.
   1. Apply dampproofing to provide continuous plane of protection.
   2. Apply additional coats if recommended in writing by manufacturer or to achieve a smooth surface and uninterrupted coverage.

B. Where dampproofing exterior face of inner wythe of exterior masonry cavity walls, lap dampproofing at least 1/4 inch onto flashing, masonry reinforcement, veneer ties, and other items that penetrate inner wythe.
   1. Extend dampproofing over outer face of structural members and concrete slabs that interrupt inner wythe.
   2. Lap dampproofing at least 1/4 inch onto shelf angles supporting veneer.

3.4 COLD-APPLIED, EMULSIFIED-ASPHALT DAMPPROOFING

A. Unexposed Face of Masonry Retaining Walls: Apply primer and one brush or spray coat at not less than 1.25 gal./100 sq. ft..

B. Masonry Backup for Brick Veneer Assemblies: Apply primer and one brush or spray coat at not less than 1 gal./100 sq. ft..

C. Exterior Face of Inner Wythe of Cavity Walls: Apply primer and one brush or spray coat at not less than 1 gal./100 sq. ft..

## 3.5 PROTECTION/THERMAL COURSE INSTALLATION

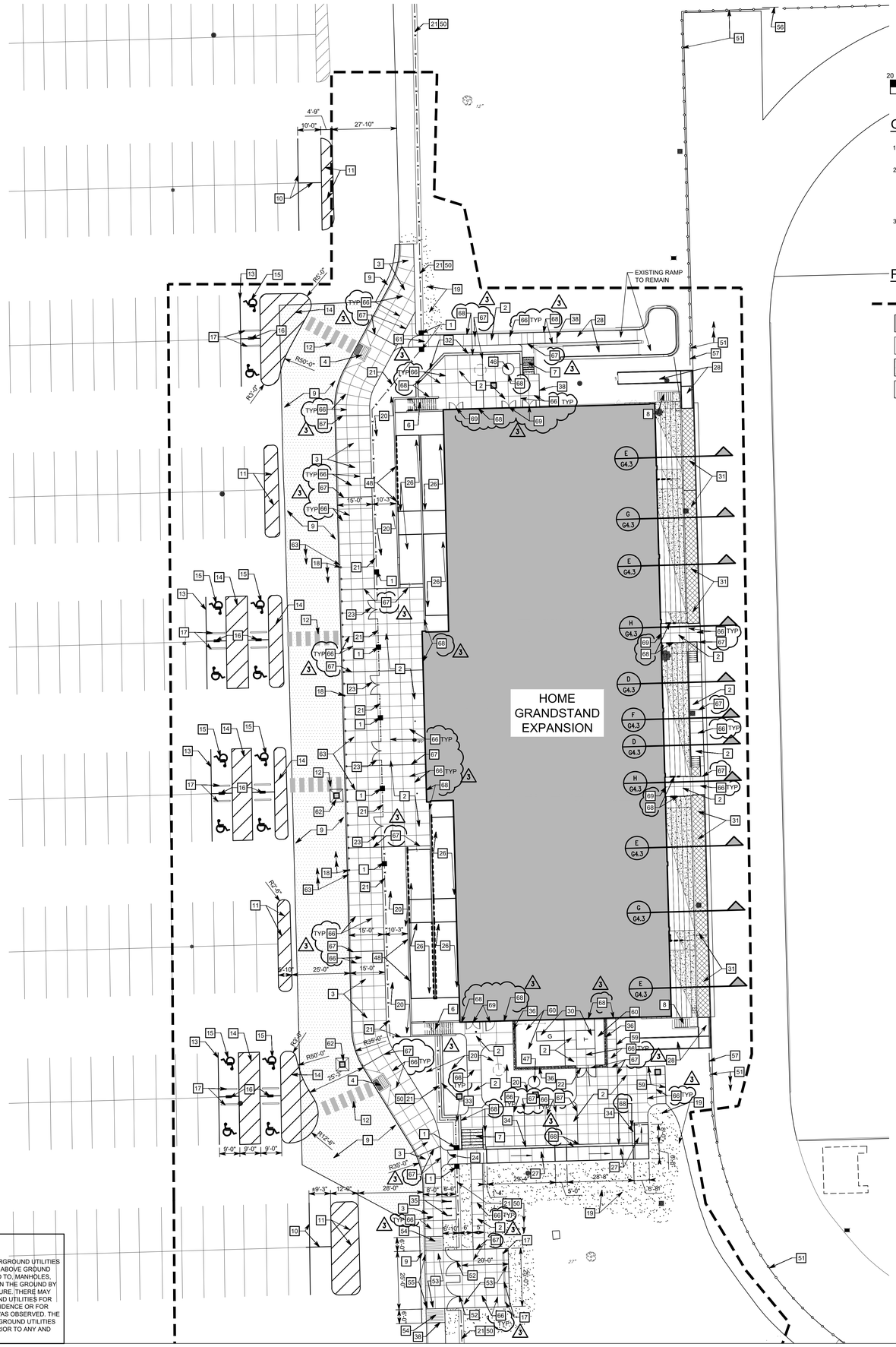
A. Install protection/thermal course over completed-and-cured dampproofing. Comply with dampproofing-material and protection-course manufacturers' written instructions for attaching protection course.
   1. Support protection course over cured coating with spot application of adhesive type recommended in writing by protection-board manufacturer.
   2. Install protection course within 24 hours of dampproofing installation (while coating is tacky) to ensure adhesion.

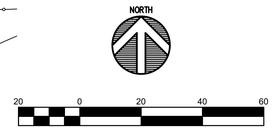
## 3.6 PROTECTION

A. Protect installed insulation drainage panels from damage due to UV light, harmful weather exposures, physical abuse, and other causes. Provide temporary coverings where panels are subject to abuse and cannot be concealed and protected by permanent construction immediately after installation.

B. Correct dampproofing that does not comply with requirements; repair substrates, and reapply dampproofing.

END OF SECTION 07 11 13




## GENERAL NOTES

1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. TOPOGRAPHIC CONDITIONS AND EXISTING UTILITIES SHOWN WERE PROVIDED BY CEC CIVIL & ENVIRONMENTAL CONSULTANTS DATED MAY 17, 2022. 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 SITE CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.

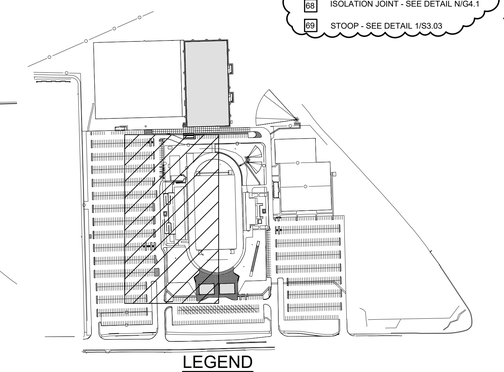
## PROPOSED SITE LEGEND

- APPROXIMATE LIMITS OF CONSTRUCTION
- BUILDING
- CONCRETE SIDEWALK/PAVEMENT
- ASPHALT PAVEMENT
- SEEDED LAWN

## SITE KEYNOTES

1. MASONRY COLUMNS (2'X2') - SEE DETAIL G/G4.2 & 5/A5-02
2. CONCRETE SIDEWALK - SEE DETAIL A/G4.1
3. MONOLITHIC CURB & WALK - SEE DETAIL B/G4.1
4. ADA ACCESSIBLE RAMP - SEE DETAIL Q/G4.1
5. CONCRETE STRAIGHT CURB - SEE DETAIL H/G4.1
6. CONCRETE STEPS, SEE ARCHITECTURAL/STRUCTURAL PLANS, FOR HANDRAILS & INTERMEDIATE RAILING REFER TO 7/A10.02, 9/A10.01, 3 & 4/S3.04
7. CONCRETE STEPS, SEE ARCHITECTURAL/STRUCTURAL PLANS, FOR HANDRAILS & INTERMEDIATE RAILING REFER TO 3, 4 & 5/A10.05, 8/S3.03
8. EXISTING CONCRETE STEPS TO REMAIN, FOR NEW HANDRAILS REFER TO 4/A10.5
9. ASPHALT PAVEMENT - SEE DETAIL S/G4.1
10. 4" WIDE WHITE PAVEMENT MARKING - SEE SPECIFICATIONS
11. 4" WIDE WHITE PAVEMENT STRIPE AT 3'-0" O.C. AT 45° ANGLE - SEE DETAIL C/G4.2
12. CROSSWALK - SEE DETAIL E/G4.2
13. 4" WIDE BLUE PAVEMENT MARKING - SEE SPECIFICATIONS
14. 4" WIDE BLUE PAVEMENT STRIPE @ 3'-0" AT 45 DEGREES - SEE DETAIL C/G4.2
15. WHITE ADA LOGO ON BLUE BACKRGROUND - SEE DETAIL B/G4.2
16. ADA ACCESSIBLE PARKING SIGN - SEE DETAIL A/G4.2
17. PRECAST PARKING BUMPER - SEE DETAIL D/G4.2
18. BOLLARD - SEE DETAIL F/G4.2
19. LAWN AREA - SEE LANDSCAPE PLAN
20. LANDSCAPE AREA - SEE LANDSCAPE PLAN
21. 8' HT. ORNAMENTAL FENCE - SEE DETAIL J/G4.2
22. DOUBLE SWING GATE (TWO - 4'-0" GATES) WITH BASTEEL WINDSOR STYLE 8' HEIGHT - SEE DETAIL N/G4.2
23. ORNAMENTAL FENCE DOUBLE SWING (TWO 4' GATES) - SEE DETAIL H/G4.2
24. ORNAMENTAL FENCE DOUBLE SWING (TWO 3' GATES) - SEE DETAIL H/G4.2
26. CONCRETE RAMP, SEE ARCHITECTURAL/STRUCTURAL PLANS
27. CONCRETE RAMP 1 W/ HANDRAILS BOTH SIDES OF RAMP, FOR RAILINGS REFER TO 1 & 2/A10.05 & DETAIL V/G4.1 (SIMILAR, HANDRAIL ONLY ATTACHED TO WALK AND WALK TURNED DOWN ON SIDE AWAY FROM WALL), 9/S3.03, S1.01
28. ALUMINUM RAMP, SEE ARCHITECTURAL/STRUCTURAL PLANS
30. CONCRETE EQUIPMENT PAD - SEE DETAIL O/G4.1
31. ELEVATED ALUMINUM WALKWAY (SEE ARCHITECTURAL/STRUCTURAL PLANS), WITH CONCRETE WALK UNDERNEATH PER DETAILS ON G4.3
32. CONCRETE WALL A - SEE DETAIL STRUCTURAL PLANS (S1.02) & DETAILS ON SHEET S3.04
33. CONCRETE WALL B - SEE DETAIL STRUCTURAL PLANS (S1.01) & DETAILS ON SHEET S3.04
34. CONCRETE WALL C - SEE DETAIL STRUCTURAL PLANS (S1.01) & DETAILS ON SHEET S3.04
35. BIKE RACK - SEE DETAIL L/G4.2
36. MECHANICAL YARD ENCLOSURE, 8' HT. BASTEEL WINDSOR STYLE FENCE PANELS AND POSTS - SEE DETAIL N/G4.2
38. EXISTING CONCRETE TO PROPOSED CONCRETE CONNECTION - SEE DETAIL F/G4.1
46. NEW NORTH LIGHT POLE PIER/FOUNDATION TO BE LOCATED 12' EAST OF EXISTING LIGHT POLE FOUNDATION, SEE ELECTRICAL PLANS FOR LIGHTPOLE DETAILS
47. NEW SOUTH LIGHT POLE PIER/FOUNDATION TO BE LOCATED 15' EAST AND 6' SOUTH OF EXISTING LIGHT POLE FOUNDATION, SEE ELECTRICAL PLANS FOR LIGHTPOLE DETAILS
48. CONCRETE WALL, SEE ARCHITECTURAL/STRUCTURAL PLANS AND DETAILS ON SHEETS S1.01, S1.2 & S3.04
50. MOWSTRIP - SEE DETAIL G & H/L2.0
51. 4' HT. ORNAMENTAL FENCE (ALTERNATE BID) - SEE DETAIL J/G4.2
52. ORNAMENTAL FENCE DOUBLE SWING (TWO 6' GATES) - SEE DETAIL
53. 6" CONCRETE PAVEMENT - SEE DETAIL D/G4.1
54. CONCRETE RAMP - SEE DETAIL L/G4.3
55. LOW PROFICE CURB (1/2" HEIGHT) - SEE DETAIL U/G4.1
56. 4' HT. ORNAMENTAL FENCE SWING GATE FOR 4' OPENING (ALTERNATE BID) - SEE DETAIL K/G4.2
57. 4' HT. ORNAMENTAL FENCE SLIDING GATE FOR 8' OPENING (ALTERNATE BID)
59. ASPHALT/CONCRETE CONNECTION - PER DETAIL G/G4.1
60. CRUSHED STONE - PER DETAIL D/L2.0
61. ORNAMENTAL FENCE 5' SWING GATE - SEE DETAIL K/G4.2
62. CONCRETE COLLAR - PER DETAIL P/G4.1
63. TOP OF CURB SHALL BE FLUSH WITH FINISHED GRADE OF ASPHALT PAVEMENT. SEE GRADING PLAN G2.1 FOR FINISHED GRADES AND TRANSITION TO 6" CURB. SEE DETAIL B/G4.1 (SIMILAR)
65. MASONRY COLUMNS (2'X2') - SEE DETAIL 10 & 11/S3.04, S1.01
66. CONTROL JOINT - SEE DETAIL B/G4.1
67. EXPANSION JOINT - SEE DETAIL B/G4.1
68. ISOLATION JOINT - SEE DETAIL N/G4.1
69. STOOP - SEE DETAIL 1/S3.03

## LEGEND





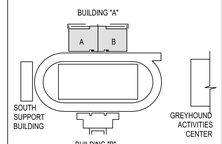
# 222154.00 CARMEL HIGH SCHOOL STADIUM GRANDSTAND RENOVATION PROJECT

2390 E. SMOKY ROW (HOME SIDE)
2450 E. SMOKY ROW (VISITOR SIDE)
CARMEL, IN 46032

**CARMEL CLAY SCHOOLS**
5201 E Main Street, Carmel, IN 46033
317-844-9961

ARCHITECT
FANNING HOWEY
317.848.0966 WWW.FHAI.COM
350 E NEW YORK ST. SUITE 300, INDIANAPOLIS IN 46204

CONSULTANT
TLF




KEY PLAN


**100% CONSTRUCTION DOCUMENTS**

PETER MILOMIR RANKOVICH
REGISTERED No. 19700317 STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: PMR
DRAWN BY: ARS
PROJECT NUMBER: 222154.00
PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | CITY SUBMITTAL | 08-14-2024 |
| 2 | ADDENDUM NO. 2 | 08.23.2024 |
| 3 | ADDENDUM NO. 3 | 08.30.2024 |

**SITE PLAN - HOME GRANDSTAND**

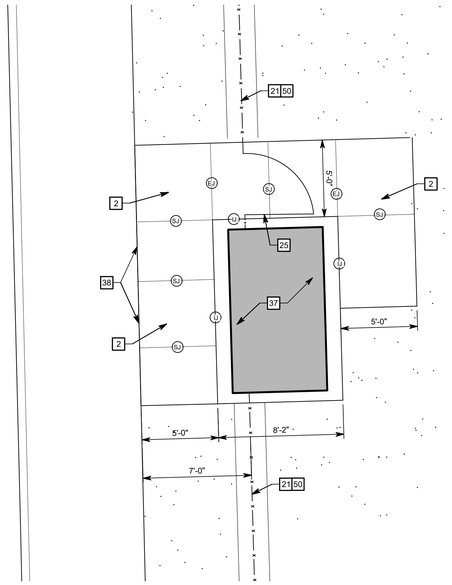
# G1.1

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!

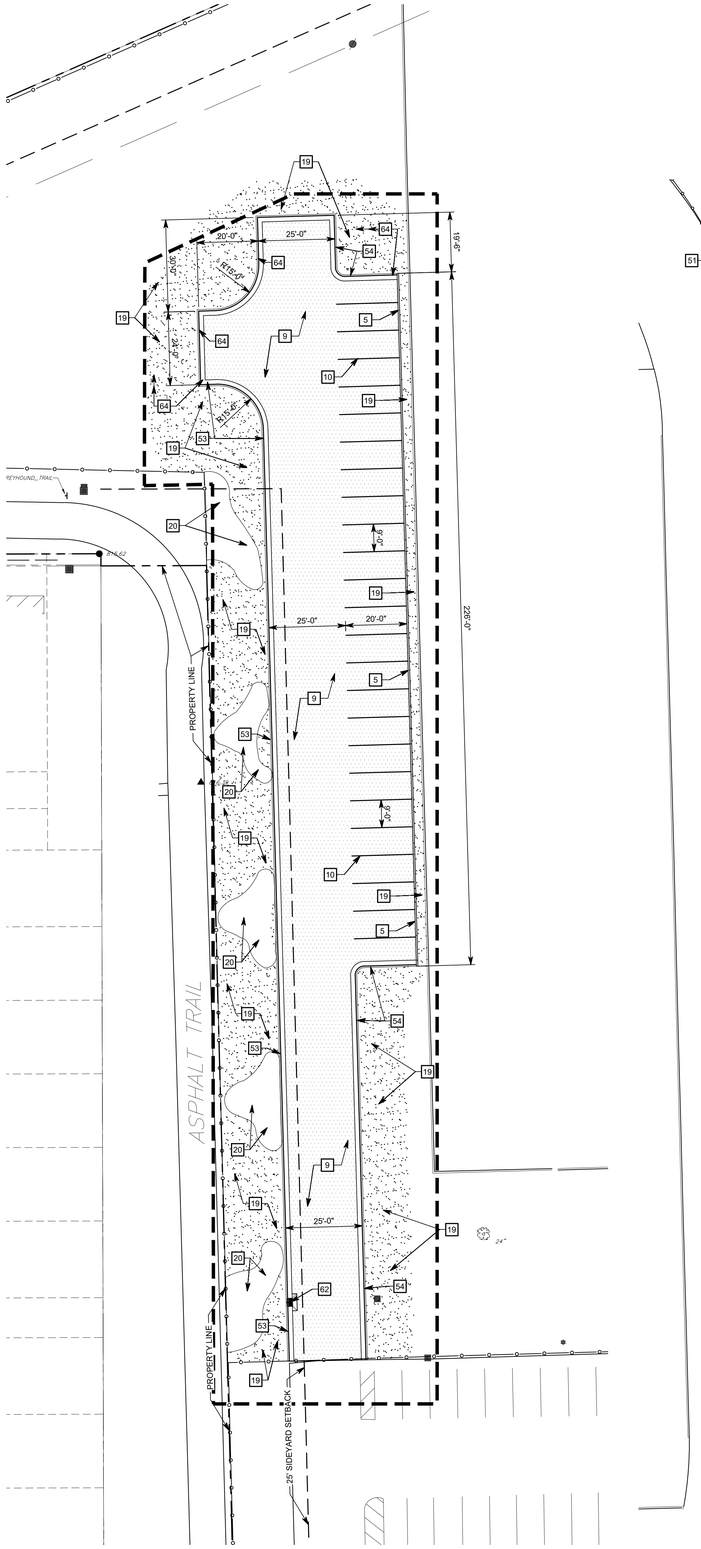
## CAUTION !!

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 ALL CONSTRUCTION.

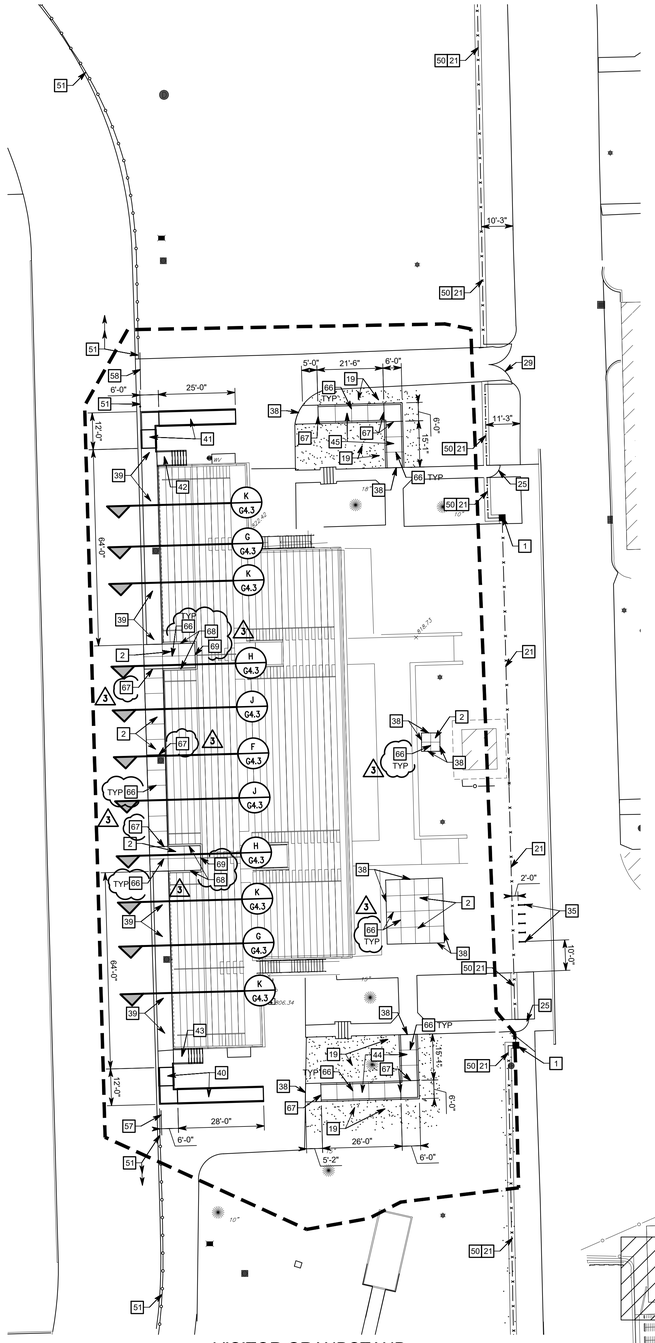
Drawing Path: P:\2023\2023_234\CAD\Cad\Active\02_2023-234 - G1.1 - G1.2 - Site Plan.dwg
Plotted By: ashelier Time of Plot: 8/29/24 - 1:31pm Last Edited: 8/29/24 - 1:35pm




TICKET BOOTH
1" = 4'-0"




NORTHWEST PARKING LOT




VISITOR GRANDSTAND

## GENERAL NOTES

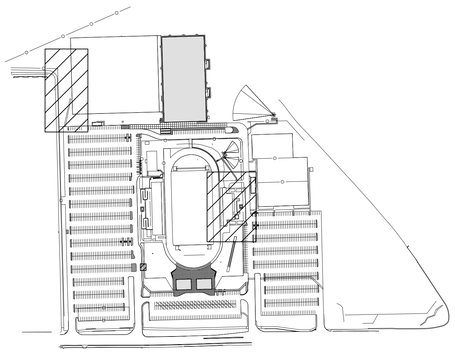
1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. TOPOGRAPHIC CONDITIONS AND EXISTING UTILITIES SHOWN WERE PROVIDED BY CEC CIVIL & ENVIRONMENTAL CONSULTANTS DATED MAY 17, 2022. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, 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 SITE CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.

## SITE KEYNOTES

1 MASONRY COLUMNS (2'X2') - SEE DETAIL G/G4.2
2 CONCRETE SIDEWALK - SEE DETAIL A/G4.1
5 CONCRETE STRAIGHT CURB - SEE DETAIL H/G4.1
9 ASPHALT PAVEMENT - SEE DETAIL S/G4.1
10 4" WIDE WHITE PAVEMENT MARKING - SEE SPECIFICATIONS
19 LAWN AREA - SEE LANDSCAPE PLAN
20 LANDSCAPE AREA - SEE LANDSCAPE PLAN
21 8' HT. ORNAMENTAL FENCE - SEE DETAIL J/G4.2
25 ORNAMENTAL FENCE 4' MANGATE - SEE DETAIL K/G4.2
29 ORNAMENTAL FENCE DOUBLE SWING (TWO 8' GATES) - SEE DETAIL H/G4.2
35 BIKE RACK - SEE DETAIL L/G4.2
37 TICKET BOOTH STRUCTURE (SEE ARCHITECTURAL PLANS) W/ FOOTING PER DETAIL A/G4.3
38 EXISTING CONCRETE TO PROPOSED CONCRETE CONNECTION - SEE DETAIL F/G4.1
39 ELEVATED ALUMINUM WALKWAY WITH CONCRETE SURFACE UNDER, SEE ARCHITECTURAL/STRUCTURAL PLANS
40 ALUMINUM RAMP 1, SEE ARCHITECTURAL/STRUCTURAL PLANS
41 ALUMINUM RAMP 2, SEE ARCHITECTURAL/STRUCTURAL PLANS
42 ALUMINUM STEPS 1, SEE ARCHITECTURAL/STRUCTURAL PLANS
43 ALUMINUM STEPS 2, SEE ARCHITECTURAL/STRUCTURAL PLANS
44 CONCRETE RAMP 2 W/ HANDRAILS BOTH SIDES OF RAMP, FOR RAILINGS REFER TO A10.5 & DETAIL V/G4.1
45 CONCRETE RAMP 3 W/ HANDRAILS BOTH SIDES OF RAMP, FOR RAILINGS REFER TO A10.5 & DETAIL V/G4.1
50 MOWSTRIP - SEE DETAIL G & H/L2.0
51 4' HT. ORNAMENTAL FENCE (ALTERNATE BID) - SEE DETAIL J/G4.2
53 CONCRETE CURB & GUTTER (CHAIRBACK) - SEE DETAIL K/G4.1
54 CONCRETE CURB & GUTTER (REVERSE CHAIRBACK) - SEE DETAIL J/G4.1
57 4' HT. ORNAMENTAL FENCE SLIDING GATE FOR 8' OPENING (ALTERNATE BID)
58 4' HT. ORNAMENTAL FENCE SLIDING GATE FOR 12' OPENING (ALTERNATE BID)
62 CONCRETE COLLAR - PER DETAIL P/G4.1
64 ROLL CURB - PER DETAIL M/G4.2
66 CONTROL JOINT - SEE DETAIL B/G4.1
67 EXPANSION JOINT - SEE DETAIL B/G4.1
68 ISOLATION JOINT - SEE DETAIL N/G4.1
69 STOOP - SEE DETAIL 1/S3.03

## PROPOSED SITE LEGEND

- APPROXIMATE LIMITS OF CONSTRUCTION
- BUILDING
- CONCRETE SIDEWALK/PAVEMENT
- ASPHALT PAVEMENT
- SEEDED LAWN
- SJ CONTROL JOINT - SEE DETAIL B/G4.1
- EJ EXPANSION JOINT - SEE DETAIL B/G4.1
- U ISOLATION JOINT - SEE DETAIL N/G4.1



LEGEND

NORTH

20 0 20 40 60



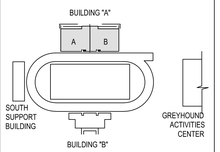
# 222154.00 CARMEL HIGH SCHOOL STADIUM GRANDSTAND RENOVATION PROJECT

2390 E. SMOKY ROW (HOME SIDE)
2450 E. SMOKY ROW (VISITOR SIDE)
CARMEL, IN 46032

**CARMEL CLAY SCHOOLS**
5201 E Main Street, Carmel, IN 46033
317-844-9961

ARCHITECT
FANNING HOWEY
317.848.0966 WWW.FHAI.COM
350 E NEW YORK ST. SUITE 300, INDIANAPOLIS IN 46204

CONSULTANT
TLF




KEY PLAN

PLAN NORTH

100% CONSTRUCTION DOCUMENTS

PETR MILOMIR RANKOVIC REGISTERED No. 19700317 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: PMR
DRAWN BY: ARS
PROJECT NUMBER: 222154.00
PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | CITY SUBMITTAL | 08-14-2024 |
| 2 | ADDENDUM NO. 2 | 08.23.2024 |
| 3 | ADDENDUM NO. 3 | 08.30.2024 |

**SITE PLAN - VISITOR GRANDSTAND & NORTHWEST PARKING LOT**

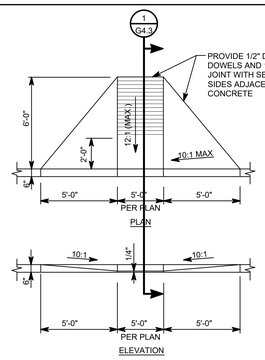
# G1.2

811 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 !!

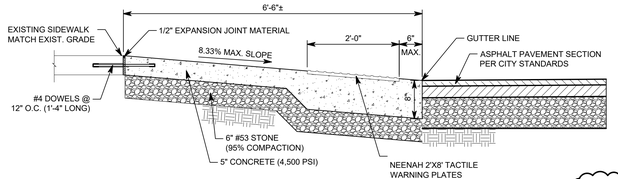
THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH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

Drawing Path: P:_2023\2301\334\CAD\Civil\Action\07_2023-234 - G1.1 - G1.2 - Site Plan.dwg
Plotted By: ostheller Time of Plot: 1:34pm Last Edited: 8/29/24 - 1:35pm



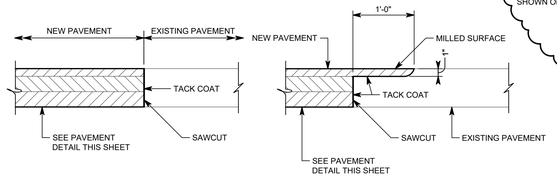

## ADA ACCESSIBLE CURB RAMP - TYPE "A" - DETAIL Q

NO SCALE



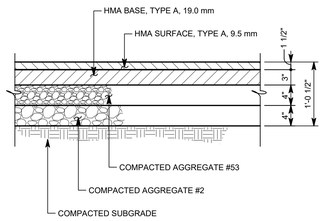

## SIDEWALK RAMP - SECTION 1

3/4" = 1'-0"



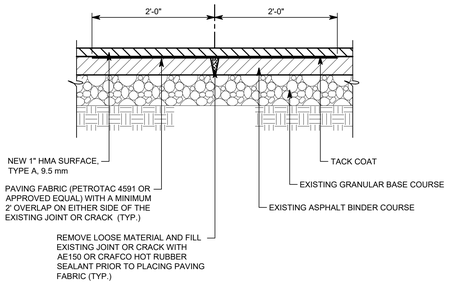

## PAVEMENT INTERFACE - DETAIL R

1" = 1'-0"



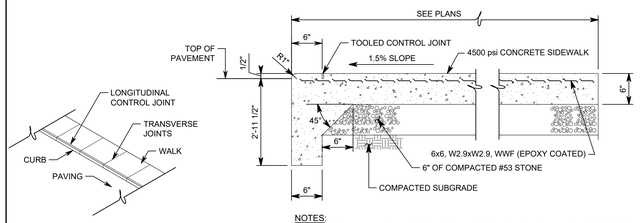

## MEDIUM DUTY ASPHALT PAVEMENT - DETAIL S

1" = 1'-0"




## PAVEMENT OVERLAY - DETAIL T

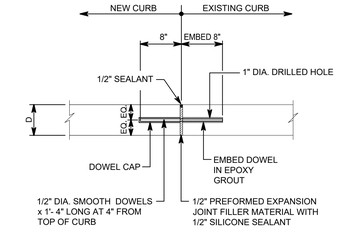
1" = 1'-0"




NOTES:
1. CURB SHALL HAVE 1/2" EXPANSION JOINTS AT 48'-0" MAX. AND AT ENDS OF RADII. CONTROL JOINTS AT 6'-0" MAX. UNLESS OTHERWISE NOTED ON PLANS.
2. CONTROL JOINTS SHALL BE CUT 1/4 DEPTH OF TOTAL THICKNESS OF SLAB.

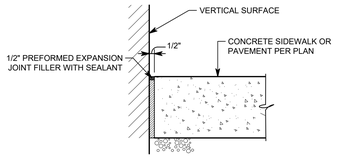
## LOW PROFILE MONOLITHIC CURB AND WALK - DETAIL U

NO SCALE



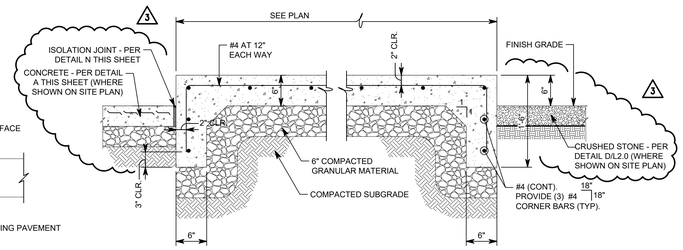

## CONCRETE CURB CONNECTION - DETAIL M

1" = 1'-0"



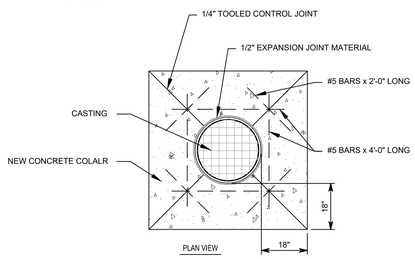

## PAVEMENT ISOLATION JOINT - DETAIL N

1/2" = 1'-0"



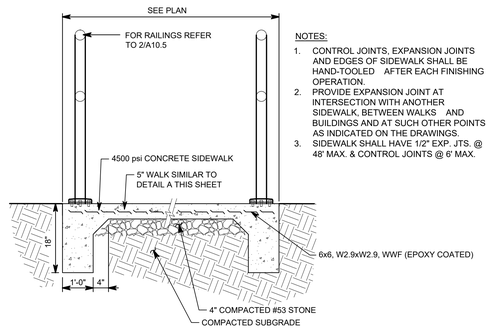

## CONCRETE EQUIPMENT PAD - DETAIL O

1" = 1'-0"




## CONCRETE COLLAR - DETAIL P

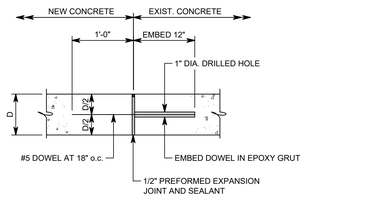
NONE




NOTES:
1. CONTROL JOINTS, EXPANSION JOINTS AND EDGES OF SIDEWALK SHALL BE HAND-TOOLED AFTER EACH FINISHING OPERATION.
2. PROVIDE EXPANSION JOINT AT INTERSECTION WITH ANOTHER SIDEWALK, BETWEEN WALKS AND BUILDINGS AND AT SUCH OTHER POINTS AS INDICATED ON THE DRAWINGS.
3. SIDEWALK SHALL HAVE 1/2" EXP. JTS. @ 48' MAX. & CONTROL JOINTS @ 6' MAX.

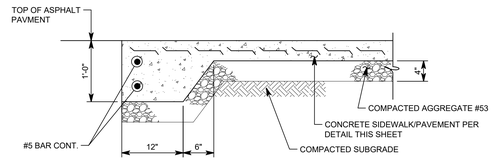
## RAMP W/ HANDRAIL - DETAIL V

NONE



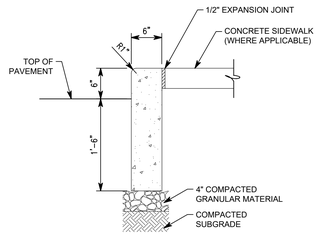

## CONCRETE CONNECTION - DETAIL F

1" = 1'-0"




## CONCRETE / ASPHALT PAVEMENT INTERFACE - DETAIL G

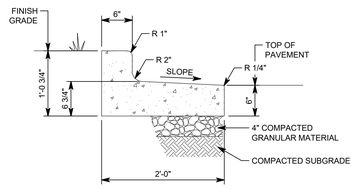
1" = 1'-0"




NOTES:
1. PROVIDE CONTROL JOINTS AT 10' MAX. SPACING.
2. PROVIDE EXPANSION JOINTS AT 80' MAX. SPACING AND AT ENDS OF ALL RADII.

## 6" CONCRETE CURB (STRAIGHT) - DETAIL H

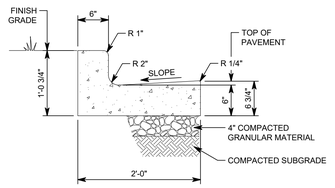
1" = 1'-0"




NOTES:
1. PROVIDE CONTROL JOINTS AT 10' MAX. SPACING.
2. PROVIDE EXPANSION JOINTS AT 80' MAX. SPACING AND AT ENDS OF ALL RADII.

## REVERSE CHAIRBACK CURB & GUTTER - DETAIL J

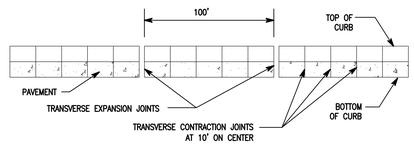
1" = 1'-0"




NOTES:
1. PROVIDE CONTROL JOINTS AT 10' MAX. SPACING.
2. PROVIDE EXPANSION JOINTS AT 80' MAX. SPACING AND AT ENDS OF ALL RADII.

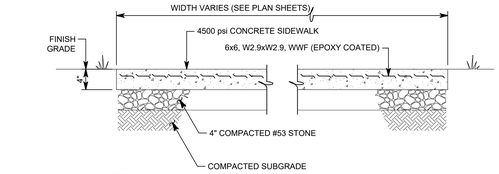
## CHAIRBACK CURB & GUTTER - DETAIL K

1" = 1'-0"




## CURB JOINT - DETAIL L

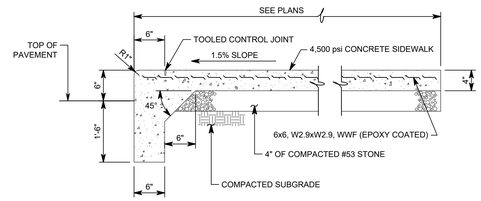
NO SCALE

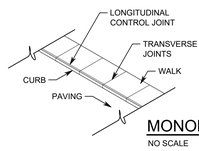



NOTES:
1. CONTROL JOINTS, EXPANSION JOINTS AND EDGES OF SIDEWALK SHALL BE HAND-TOOLED AFTER EACH FINISHING OPERATION.
2. PROVIDE EXPANSION JOINT AT INTERSECTION WITH ANOTHER SIDEWALK, BETWEEN WALKS AND BUILDINGS AND AT SUCH OTHER POINTS AS INDICATED ON THE DRAWINGS.
3. SIDEWALK SHALL HAVE 1/2" EXP. JTS. @ 48' MAX. & CONTROL JOINTS @ 6' MAX.

## 4" CONCRETE SIDEWALK - DETAIL A

1" = 1'-0"

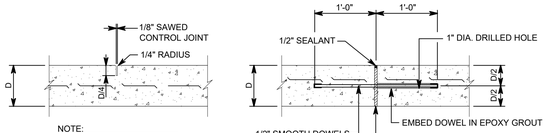



NOTES:
1. CURB SHALL HAVE 1/2" EXPANSION JOINTS AT 48'-0" MAX. AND AT ENDS OF RADII. CONTROL JOINTS AT 6'-0" MAX. UNLESS OTHERWISE NOTED ON PLANS.
2. CONTROL JOINTS SHALL BE CUT 1/4 DEPTH OF TOTAL THICKNESS OF SLAB.

## MONOLITHIC CURB AND WALK - DETAIL B

NO SCALE



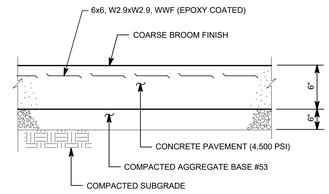

NOTE:
CONSTRUCT CONTROL JOINTS AS SHOWN ON PLAN (MAX. SPACING @ 6'-0" o.c.)

CONTROL JOINT - (SJ)

EXPANSION JOINT - (EJ)

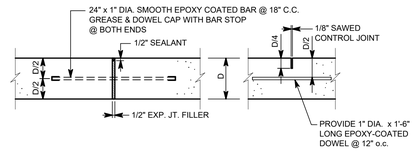
## CONCRETE SIDEWALK CONTROL JOINT - DETAIL C

NO SCALE




## 6" CONCRETE PAVEMENT - DETAIL D

NO SCALE




EXPANSION JOINT - "EJ"

CONTROL JOINT - "CJ"

NOTE:
1. CONSTRUCT EXPANSION JOINTS @ 40' MAX. AND CONTROL JOINTS @ 10' MAX. UNLESS OTHERWISE NOTED.
2. JOINT SEALANT SHALL BE FUEL RESISTANT, TRAFFIC GRADE, POLYSULFIDE, THIOKOL 2282 OR EQUAL SEALANT PER FEDERAL SPECIFICATION SS-S-200E

## CONCRETE PAVEMENT JOINT - DETAIL E

NO SCALE



# 222154.00 CARMEL HIGH SCHOOL STADIUM GRANDSTAND RENOVATION PROJECT

2390 E. SMOKY ROW (HOME SIDE)
2450 E. SMOKY ROW (VISITOR SIDE)
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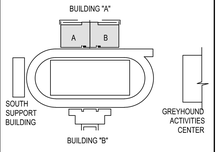
ARCHITECT

FANNING HOWEY
317.848.0966 WWW.FHAI.COM
350 E NEW YORK ST. SUITE 300, INDIANAPOLIS IN 46204

CONSULTANT

TLF




KEY PLAN


100% CONSTRUCTION DOCUMENTS

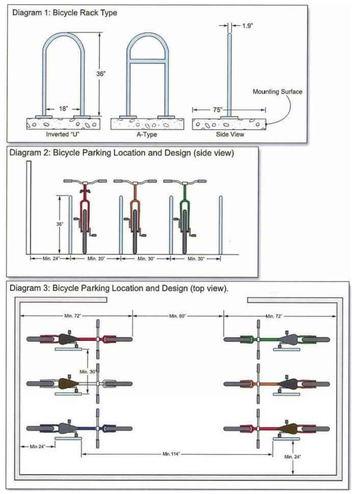

PROJECT MANAGER: PMR
DRAWN BY: ARS
PROJECT NUMBER: 222154.00
PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | CITY SUBMITTAL | 08-14-2024 |
| 2 | ADDENDUM NO. 2 | 08.23.2024 |
| 3 | ADDENDUM NO. 3 | 08.30.2024 |

SITE DETAILS

# G4.1

Drawing Path: P:\2023\200\234\CAD\Cad\Arch\L0_2023-234 - G4.1_Site Details.dwg
Plotted By: ckheller Time of Plot: 8/29/24 - 1:45pm Last Edited: 8/29/24 - 10:17am

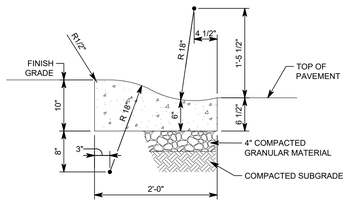



NOTE:

- BIKE RACKS TO BE APEX INVERTED U BIKE RACK AVAILABLE FROM SITESCAPES (888-331-9464) P.O. BOX 22326 LINCOLN, NE 68542. COLOR TO BE SELECTED BY OWNER.
- BIKE RACKS TO BE SURFACE MOUNTED.

## BIKE RACK - DETAIL L

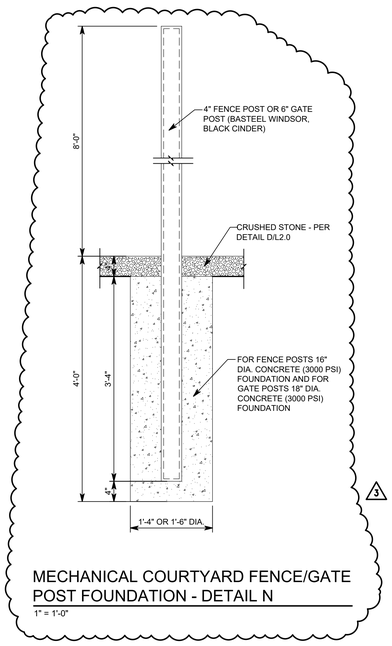
NO SCALE




NOTES:
1. PROVIDE CONTROL JOINTS AT 10' MAX. SPACING.
2. PROVIDE EXPANSION JOINTS AT 80' MAX. SPACING AND AT ENDS OF ALL RADII.

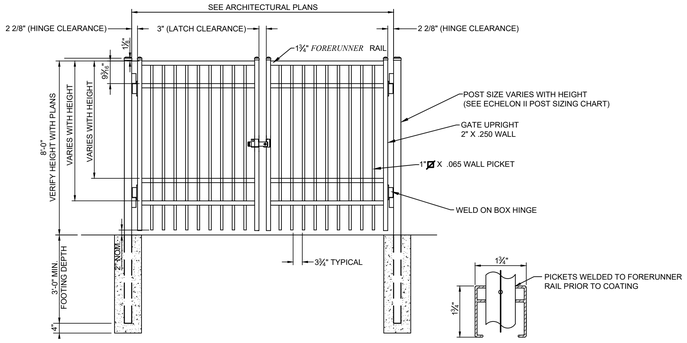
## ROLL CURB & GUTTER - DETAIL M

1" = 1'-0"




## MECHANICAL COURTYARD FENCE/GATE POST FOUNDATION - DETAIL N

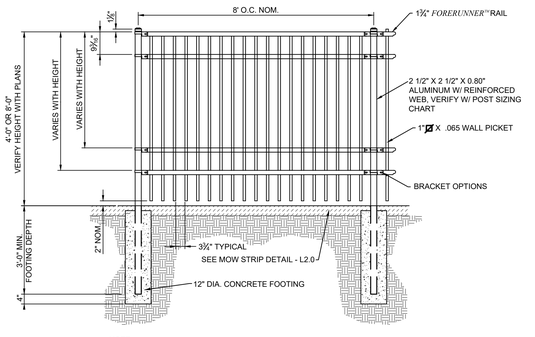
1" = 1'-0"




NOTE:
1. VERIFY POST SIZING W/ MANUFACTURERS POST SIZING CHART.
2. GATE TO BE 4 RAIL ECHELON II MAJESTIC GATE AVAILABLE FROM AMERISTAR FENCE, OR APPROVED EQUAL.
3. ADDITIONAL STYLES OF GATE HARDWARE ARE AVAILABLE ON REQUEST. THIS COULD CHANGE THE LATCH & HINGE CLEARANCE
4. COLOR TO BE SELECTED BY OWNER
5. VALUES SHOWN ARE NOMINAL AND NOT TO BE USED FOR INSTALLATION PURPOSES. SEE PRODUCT SPECIFICATION FOR INSTALLATION REQUIREMENTS.

## ORNAMENTAL DOUBLE SWING GATE - DETAIL H

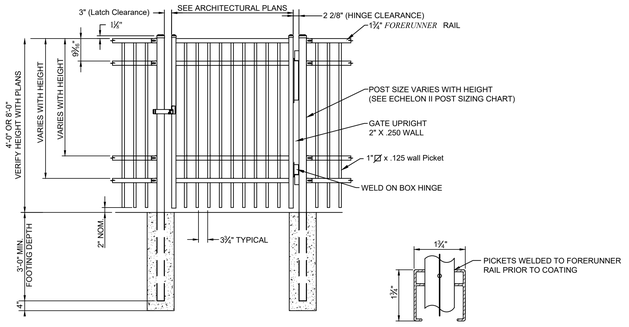
1/2" = 1'-0"




NOTE:
1. VERIFY POST SIZING W/ MANUFACTURERS POST SIZING CHART.
2. FENCE TO BE 4 RAIL ECHELON II MAJESTIC FENCE AVAILABLE FROM AMERISTAR FENCE, OR APPROVED EQUAL.
3. COLOR TO BE SELECTED BY OWNER.

## ORNAMENTAL FENCE - DETAIL J

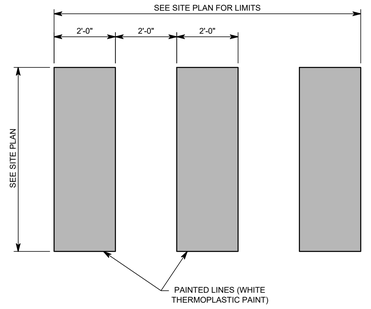
1/2" = 1'-0"




NOTE:
1. VERIFY POST SIZING W/ MANUFACTURERS POST SIZING CHART.
2. GATE TO BE 4 RAIL ECHELON II MAJESTIC GATE AVAILABLE FROM AMERISTAR FENCE, OR APPROVED EQUAL.
3. ADDITIONAL STYLES OF GATE HARDWARE ARE AVAILABLE ON REQUEST. THIS COULD CHANGE THE LATCH & HINGE CLEARANCE
4. COLOR TO BE SELECTED BY OWNER
5. VALUES SHOWN ARE NOMINAL AND NOT TO BE USED FOR INSTALLATION PURPOSES. SEE PRODUCT SPECIFICATION FOR INSTALLATION REQUIREMENTS.

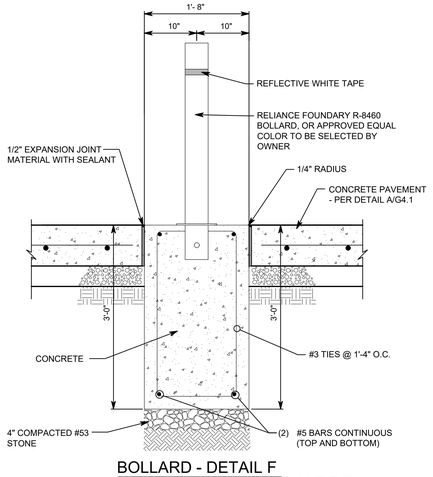
## ORNAMENTAL SINGLE SWING GATE - DETAIL K

1/2" = 1'-0"



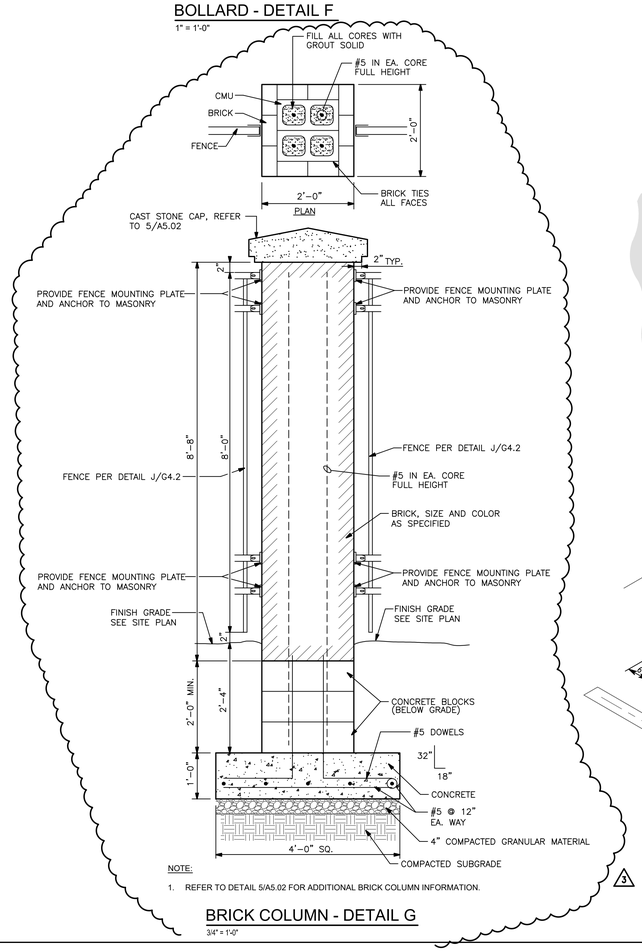

## CROSSWALK STRIPE - DETAIL E

SCALE: 1/2" = 1'-0"




## BOLLARD - DETAIL F

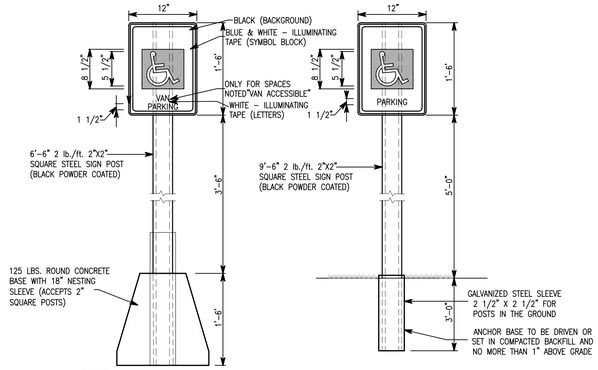
1" = 1'-0"




NOTE:
1. REFER TO DETAIL 5/A5.02 FOR ADDITIONAL BRICK COLUMN INFORMATION.

## BRICK COLUMN - DETAIL G

3/4" = 1'-0"




NOTES:
1. 18" DIAMETER CONICAL BASE WITH 18" X 2 1/4" SQUARE POST SLEEVE EMBEDDED
2. RESISTS HIGH WIND GUSTS
3. ROLLS INTO PLACE
4. FOR SIGNS UP TO 24" X 24"
5. USE WITH 2" SQUARE POSTS UP TO 6' TALL
6. INCLUDED SLEEVE ONLY. POST NOT INCLUDED

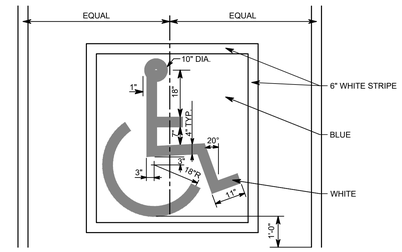
FOR POSTS LOCATED IN PAVEMENT AREAS
USE PRECAST BASE

FOR POSTS LOCATED IN LANDSCAPE AND LAWN AREAS

NOTES:
1. USE A VAN ACCESSIBLE SIGN FOR VAN ACCESSIBLE DESIGNATED PARKING SPACES
2. BACK OF SIGNS TO BE BLACK

## ADA PARKING SIGN - DETAIL A

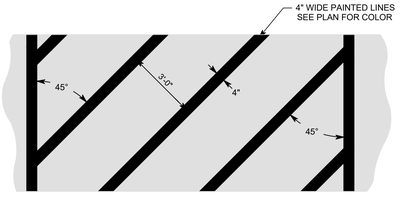
NO SCALE




NOTE:
1. SEE SPECIFICATIONS SECTION 321723 FOR PAINT REQUIREMENTS.

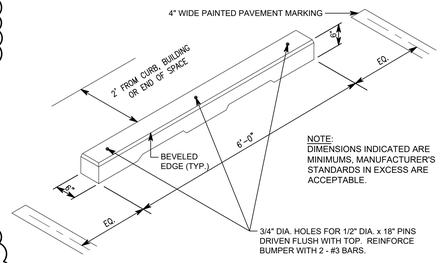
## PAINTED A.D.A. SYMBOL - DETAIL B

NONE




## PAINTED PARKING ISLANDS - DETAIL C

NO SCALE




## PARKING BUMPER - DETAIL D

NO SCALE



# 222154.00 CARMEL HIGH SCHOOL STADIUM GRANDSTAND RENOVATION PROJECT

2390 E. SMOKY ROW (HOME SIDE)
2450 E. SMOKY ROW (VISITOR SIDE)
CARMEL, IN 46032

**CARMEL CLAY SCHOOLS**

5201 E Main Street, Carmel, IN 46033
317-844-9961

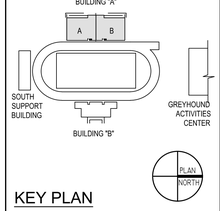
ARCHITECT

FANNING HOWEY

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

CONSULTANT

TLF




KEY PLAN

100% CONSTRUCTION DOCUMENTS

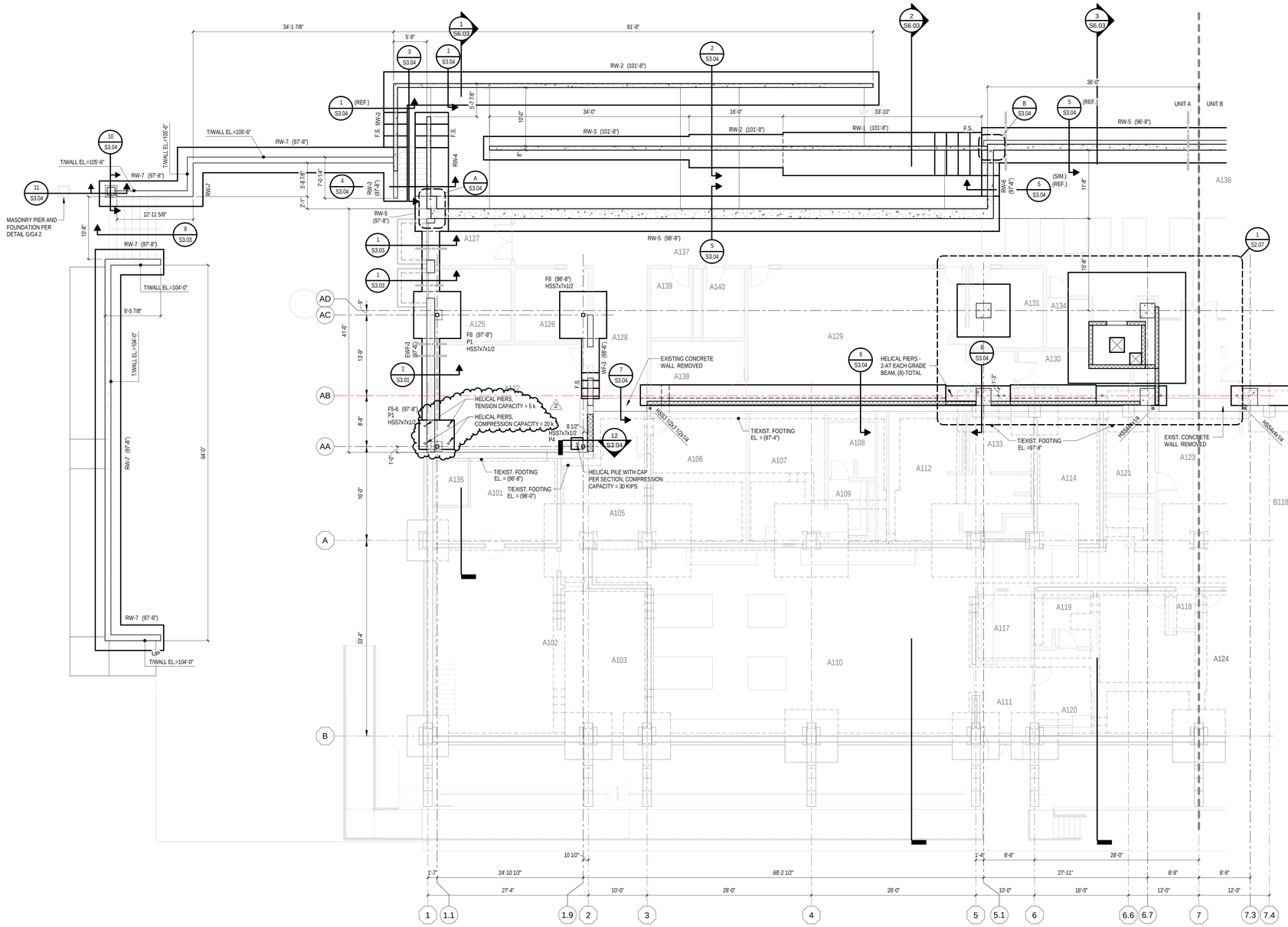
PETER MICHAEL RAMSEY
REGISTERED No. 19700317 STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: PMR
DRAWN BY: ARS
PROJECT NUMBER: 222154.00
PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | CITY SUBMITTAL | 08-14-2024 |
| 2 | ADDENDUM NO. 2 | 08.23.2024 |
| 3 | ADDENDUM NO. 3 | 08.30.2024 |

SITE DETAILS

# G4.2




## BUILDING A - FOUNDATION PLAN - UNIT A

1/8" = 1'-0"

NORTH

**PLAN NOTES:**

1. REFERENCE ELEVATION = TOP OF EXISTING FINISH FLOOR = 100'-0" (XXX.XX' U.S.G.S.).
2. TOP OF FOOTING (T/FOOTING) ELEVATION = 98'-8" (U.O.N.).
3. TOP OF PIER (T/PIER) ELEVATION = 99'-4" (U.O.N.).
4. (XXX'-X") INDICATES TOP OF FOOTING OR PIER ELEVATION.

**FOUNDATION PLAN NOTES:**

1. SEE SHEET S0.01 FOR GENERAL NOTES.
2. SEE S3.01 THROUGH S3.03 FOR FOUNDATION DETAILS. TYPICAL DETAILS MAY NOT BE CUT ON PLANS, BUT APPLY UNLESS OTHERWISE NOTED.
3. CENTER WALL FOOTINGS UNDER WALLS UNLESS NOTED OTHERWISE.
4. EWF-X INDICATES EXTERIOR FOUNDATION EWF-"X". SEE FOUNDATION SCHEDULE ON S3.01.
5. WF-X. INDICATES INTERIOR WALL FOOTING WF-"X". TYPICAL INTERIOR WALL FOOTING DETAIL ON S3.01.
6. RWF-X INDICATES RETAINING WALL FOOTING RWF-"X" SEE TYPICAL RETAINING WALL DETAIL ON S3.01.
7. GB-X INDICATES GRADE BEAM GB-"X". SEE TYPICAL GRADE BEAM DETAIL ON S3.01.
8. P1, P2, ETC. INDICATES CONCRETE PIER. SEE TYPICAL PIER DETAIL ON S3.01. TOP OF PIER ELEVATION = 99'-4" (U.O.N.).
9. MP1, MP2, ETC. INDICATES MASONRY PILASTER. SEE MASONRY PILASTER (MP).
10. SEE S3.01 FOR TYPICAL INTERIOR COLUMN FOOTING DETAIL.
11. SEE 5-S3.01 FOR TYPICAL ANCHORAGE DETAIL.
12. SEE 3-S3.01 FOR TYPICAL BASE PLATE.
13. FOOTINGS MAY BE EARTH-FORMED WHERE COHESIVE SOILS EXIST AT FOUNDATION ELEVATION. REFER TO THE PROJECT MANUAL AND CONSULT GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL INCLUDE IN HIS BID FORMING OF FOOTINGS WHERE REVIEW OF THE GEOTECHNICAL ENGINEERING REPORT INDICATES EARTH-FORMING MAY NOT BE POSSIBLE.
14. VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND PLUMBING LINES AND UTILITIES. SEE SHEET S3.02 FOR REQUIREMENTS WHEN PLUMBING LINES CROSS FOUNDATIONS AT ALL ELEVATIONS.
15. SEE ARCHITECTURAL PLANS FOR RAISED LOCKER BASES.
16. F.S. INDICATES STEPPED FOOTING. SEE S3.01 FOR DETAILS
17. LEGEND:

INDICATES UNDERGROUND PLUMBING OR UTILITY LINE. VERIFY LOCATION AND ELEVATIONS. SEE S3.02 FOR REQUIREMENTS WHEN PLUMBING LINES CROSS FOUNDATIONS AT ALL ELEVATIONS.



# 222154.00 CARMEL STADIUM GRAND STAND RENOVATION PROJECT

2390 E. SMOKY ROW (HOME SIDE)
2450 E. SMOKY ROW (VISITOR SIDE)
CARMEL, IN 46032

**CARMEL CLAY SCHOOLS**
5201 E Main Street, Carmel, IN 46033
317-844-9961

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM

CONSULTANT

TLF, INC.
3901 West 86th Street, Suite 200
Indianapolis, Indiana 46268
Phone: 317-334-1500
Fax: 317-334-1552
TLF Job No: 2023-234

BUILDING "A"

SOUTH SUPPORT BUILDING

GREYHOUND ACTIVITIES CENTER

BUILDING "B"

PLAN NORTH

KEY PLAN

**100% CONSTRUCTION DOCUMENTS**

TRACY A. CHARITON REGISTERED No. 10708903 STATE OF INDIANA PROFESSIONAL ENGINEER

DRAWN BY: TLF

PROJECT NUMBER: 222154.00

PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDENDUM NO. 2 | 08.23.2024 |
| 2 | ADDENDUM NO. 3 | 08.30.2024 |

**BUILDING A - FOUNDATION PLAN - UNIT A**

# S1.01

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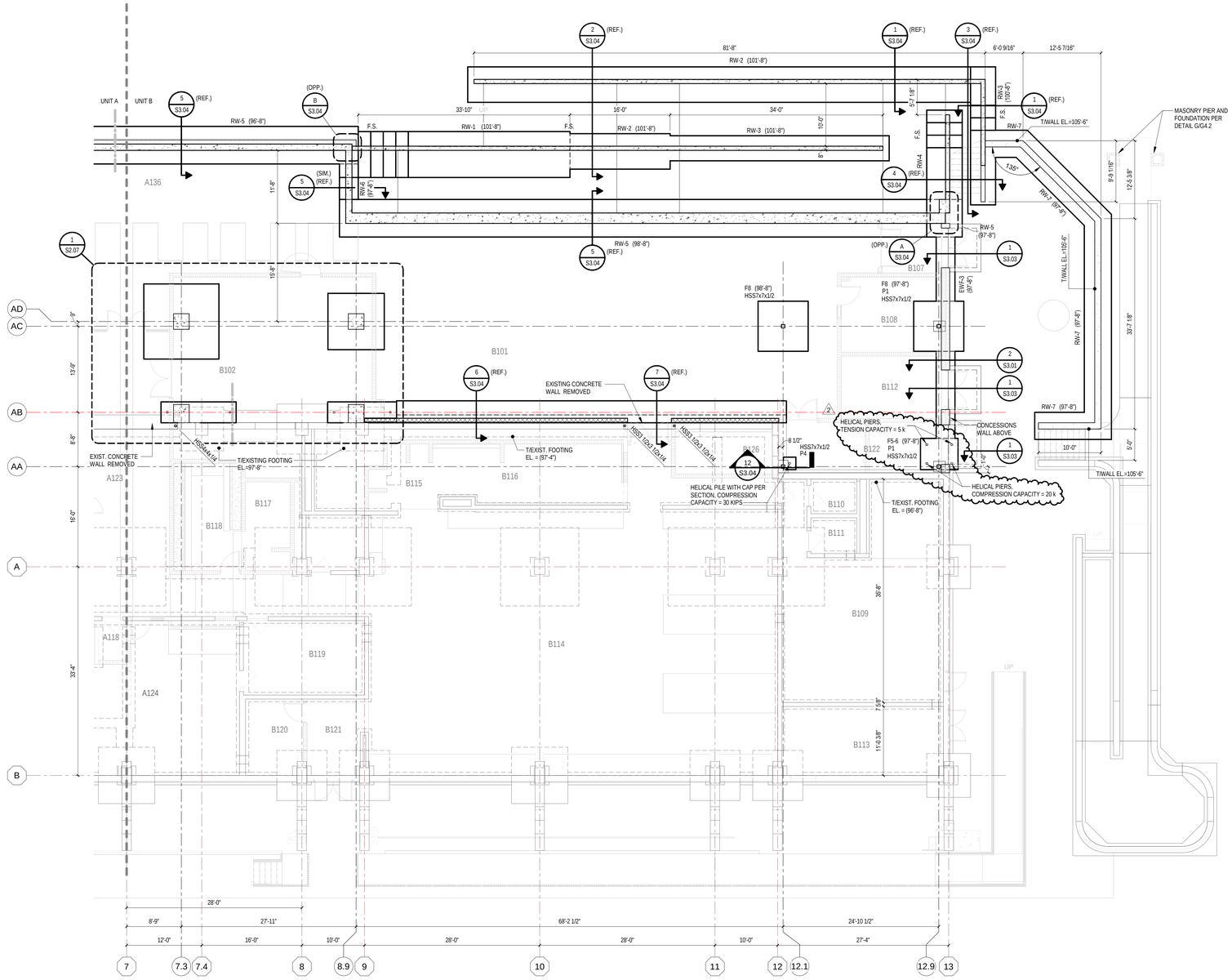


## BUILDING A - FOUNDATION PLAN - UNIT B

1/8" = 1'-0"

NORTH

**PLAN NOTES:**

1. REFERENCE ELEVATION = TOP OF EXISTING FINISH FLOOR = 100'-0" (XXX.XX' U.S.G.S.).
2. TOP OF FOOTING (T/FOOTING) ELEVATION = 98'-8" (U.O.N.).
3. TOP OF PIER (T/PIER) ELEVATION = 99'-4" (U.O.N.).
4. (XXX'-X") INDICATES TOP OF FOOTING OR PIER ELEVATION.

**FOUNDATION PLAN NOTES:**

1. SEE SHEET S0.01 FOR GENERAL NOTES.
2. SEE S3.01 THROUGH S3.03 FOR FOUNDATION DETAILS. TYPICAL DETAILS MAY NOT BE CUT ON PLANS, BUT APPLY UNLESS OTHERWISE NOTED.
3. CENTER WALL FOOTINGS UNDER WALLS UNLESS NOTED OTHERWISE.
4. EWF-X INDICATES EXTERIOR FOUNDATION EWF-"X". SEE FOUNDATION SCHEDULE ON S3.01.
5. WF-X, INDICATES INTERIOR WALL FOOTING WF-"X". TYPICAL INTERIOR WALL FOOTING DETAIL ON S3.01.
6. RWF-X INDICATES RETAINING WALL FOOTING RWF-"X" SEE TYPICAL RETAINING WALL DETAIL ON S3.01.
7. GB-X INDICATES GRADE BEAM GB-"X". SEE TYPICAL GRADE BEAM DETAIL ON S3.01.
8. P1, P2, ETC. INDICATES CONCRETE PIER. SEE TYPICAL PIER DETAIL ON S3.01. TOP OF PIER ELEVATION = 99'-4" (U.O.N.).
9. MP1, MP2, ETC. INDICATES MASONRY PILASTER. SEE MASONRY PILASTER (MP).
10. SEE S3.01 FOR TYPICAL INTERIOR COLUMN FOOTING DETAIL.
11. SEE 5-S3.01 FOR TYPICAL ANCHORAGE DETAIL.
12. SEE 3-S3.01 FOR TYPICAL BASE PLATE.
13. FOOTINGS MAY BE EARTH-FORMED WHERE COHESIVE SOILS EXIST AT FOUNDATION ELEVATION. REFER TO THE PROJECT MANUAL AND CONSULT GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL INCLUDE IN HIS BID FORMING OF FOOTINGS WHERE REVIEW OF THE GEOTECHNICAL ENGINEERING REPORT INDICATES EARTH-FORMING MAY NOT BE POSSIBLE.
14. VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND PLUMBING LINES AND UTILITIES. SEE SHEET S3.02 FOR REQUIREMENTS WHEN PLUMBING LINES CROSS FOUNDATIONS AT ALL ELEVATIONS.
15. SEE ARCHITECTURAL PLANS FOR RAISED LOCKER BASES.
16. F.S. INDICATES STEPPED FOOTING. SEE S3.01 FOR DETAILS
17. LEGEND:

INDICATES UNDERGROUND PLUMBING OR UTILITY LINE. VERIFY LOCATION AND ELEVATIONS. SEE S3.02 FOR REQUIREMENTS WHEN PLUMBING LINES CROSS FOUNDATIONS AT ALL ELEVATIONS.



# 222154.00 CARMEL STADIUM GRAND STAND RENOVATION PROJECT

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TLF Job No: 2023-234


BUILDING "A"

SOUTH SUPPORT BUILDING

GREYHOUND ACTIVITIES CENTER

BUILDING "B"

PLAN NORTH

KEY PLAN

100% CONSTRUCTION DOCUMENTS

TRACY A. CHARTON REGISTERED No. 10778023 STATE OF INDIANA PROFESSIONAL ENGINEER

DRAWN BY: TLF

PROJECT NUMBER: 222154.00

PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDENDUM NO. 2 | 08.23.2024 |
| 2 | ADDENDUM NO. 3 | 08.30.2024 |

**BUILDING A - FOUNDATION PLAN - UNIT B**

# S1.02

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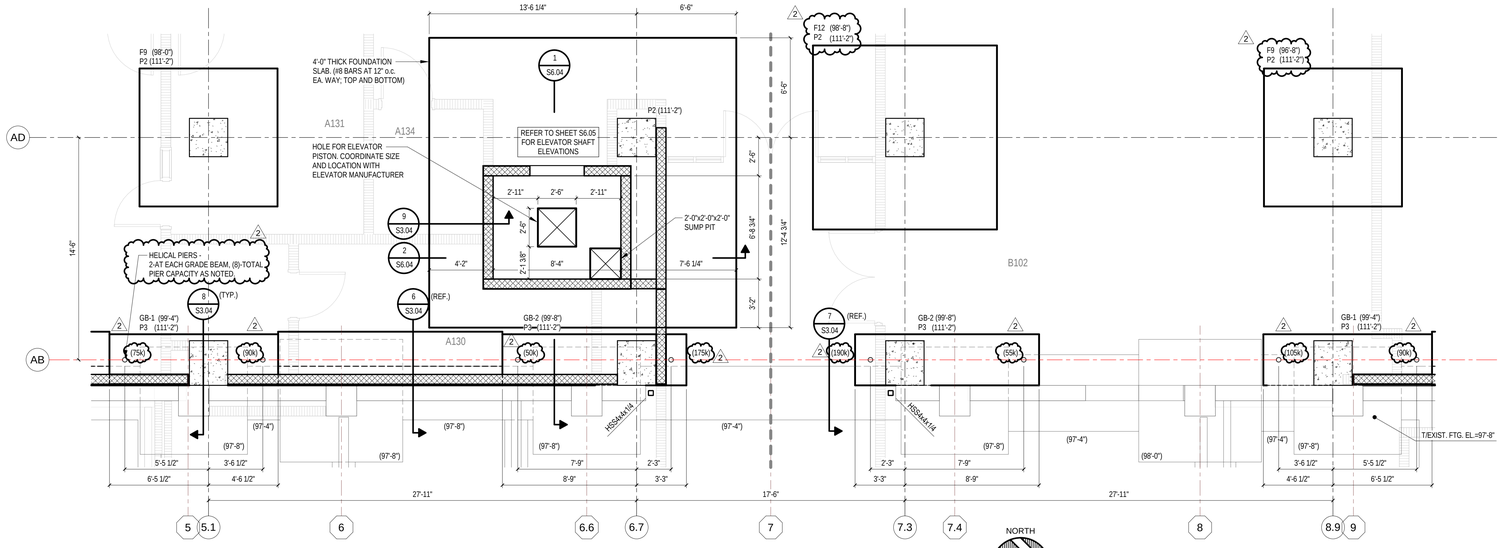
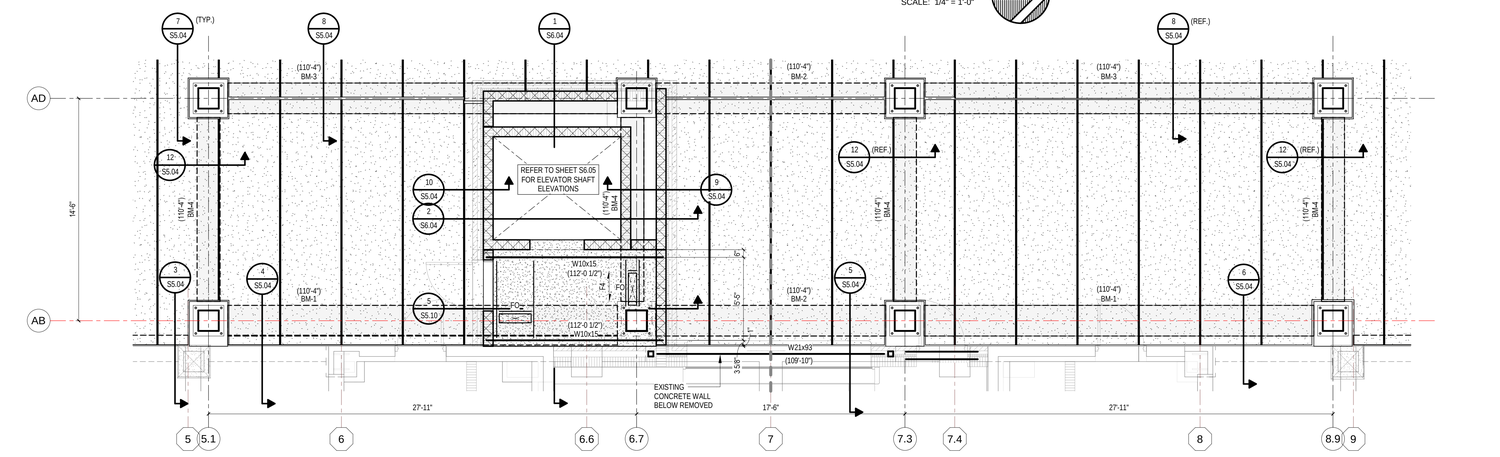



## 1 ENLARGED FOUNDATION PLAN

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

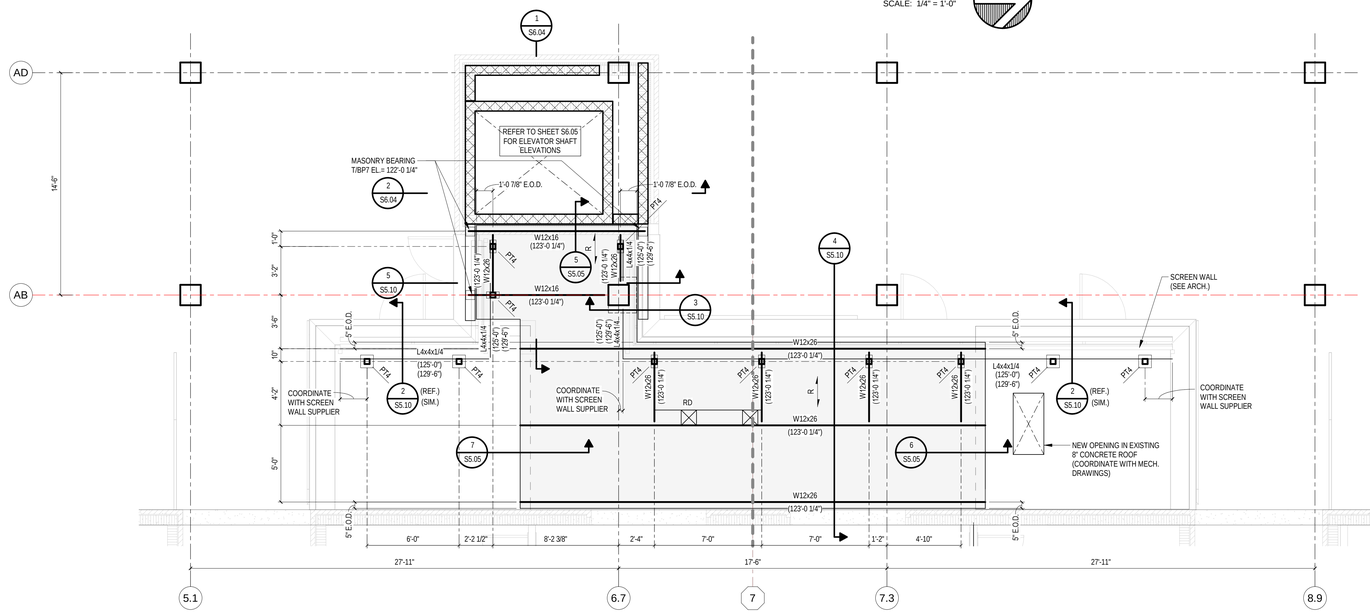
NORTH




## 2 ENLARGED SECOND FLOOR FRAMING PLAN

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

NORTH




## 3 ENLARGED SPIRIT SHOP ROOF FRAMING PLAN

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

NORTH

**FOUNDATION PLAN NOTES:**

1. SEE SHEET S0.01 FOR GENERAL NOTES.
2. SEE S3.01 THROUGH S3.03 FOR FOUNDATION DETAILS. TYPICAL DETAILS MAY NOT BE CUT ON PLANS, BUT APPLY UNLESS OTHERWISE NOTED.
3. CENTER WALL FOOTINGS UNDER WALLS UNLESS NOTED OTHERWISE.
4. EWF-X INDICATES EXTERIOR FOUNDATION EWF-"X". SEE FOUNDATION SCHEDULE ON S3.01.
5. WF-X, INDICATES INTERIOR WALL FOOTING WF-"X". TYPICAL INTERIOR WALL FOOTING DETAIL ON S3.01.
6. RWF-X INDICATES RETAINING WALL FOOTING RWF-"X" SEE TYPICAL RETAINING WALL DETAIL ON S3.01.
7. GB-X INDICATES GRADE BEAM GB-"X". SEE TYPICAL GRADE BEAM DETAIL ON S3.01.
8. P1, P2, ETC. INDICATES CONCRETE PIER. SEE TYPICAL PIER DETAIL ON S3.01. TOP OF PIER ELEVATION = 99'-4" (U.O.N.).
9. MP1, MP2, ETC. INDICATES MASONRY PILASTER. SEE MASONRY PILASTER (MP).
10. SEE S3.01 FOR TYPICAL INTERIOR COLUMN FOOTING DETAIL.
11. SEE S-S3.01 FOR TYPICAL ANCHORAGE DETAIL.
12. SEE 3-S3.01 FOR TYPICAL BASE PLATE.
13. FOOTINGS MAY BE EARTH-FORMED WHERE COHESIVE SOILS EXIST AT FOUNDATION ELEVATION. REFER TO THE PROJECT MANUAL AND CONSULT GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL INCLUDE IN HIS BID FORMING OF FOOTINGS WHERE REVIEW OF THE GEOTECHNICAL ENGINEERING REPORT INDICATES EARTH-FORMING MAY NOT BE POSSIBLE.
14. VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND PLUMBING LINES AND UTILITIES. SEE SHEET S3.02 FOR REQUIREMENTS WHEN PLUMBING LINES CROSS FOUNDATIONS AT ALL ELEVATIONS.
15. SEE ARCHITECTURAL PLANS FOR RAISED LOCKER BASES.
16. F.S. INDICATES STEPPED FOOTING. SEE S3.01 FOR DETAILS
17. LEGEND:

INDICATES UNDERGROUND PLUMBING OR UTILITY LINE. VERIFY LOCATION AND ELEVATIONS. SEE S3.02 FOR REQUIREMENTS WHEN PLUMBING LINES CROSS FOUNDATIONS AT ALL ELEVATIONS.

**FRAMING PLAN NOTES:**

1. SEE SHEET S0.01 FOR GENERAL NOTES.
2. SEE DRAWINGS S5.01 THROUGH S5.02 FOR STEEL FRAMING DETAILS. TYPICAL DETAILS MAY NOT BE CUT ON PLANS BUT APPLY UNLESS OTHERWISE NOTED.
3. SEE S5.01 FOR TYPICAL STEEL FRAMING CONNECTIONS.
4. SEE S4.01 FOR MASONRY WALL BRACING REQUIREMENTS
5. PROVIDE MINIMUM L3x3x1/4 (U.O.N.) ROOF EDGE SUPPORT ANGLES AT ALL ROOF EDGES AND ROOF EXPANSION JOINTS.

**BEAM LEGEND:**

(*) INDICATES DECK SUPPORT REQUIRED BETWEEN JOISTS. SEE EDGE OF DECK SUPPORT.

(E) INDICATES EXISTING FRAMING MEMBER.

BP INDICATES BEARING PLATE. SEE BEARING PLATE SCHEDULE.

(T) INDICATES TRANSFER BEAM - A BEAM WHICH SPANS BETWEEN TWO POINTS OF SUPPORT AND SUPPORTS ANOTHER BEAM OR COLUMN.

RV INDICATES FRAME REQUIRED FOR ROOF VENT. SEE TYP OPENING FRAME (RV). (VERIFY LOCATION WITH ROOF PLAN)

RD INDICATES FRAME REQUIRED FOR ROOF DRAIN. SEE TYP OPENING FRAME (RD). (VERIFY LOCATION WITH ROOF PLAN)

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

FO INDICATES FRAME REQUIRED FOR FLOOR OPENING. SEE TYP OPENING FRAME (FO).

PB INDICATES FRAME REQUIRED FLOR POUR BOX OPENING.

PT4, PT6, ETC INDICATES POST - A COLUMN WHICH BEARS ON TOP OF A BEAM.

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

F4 INDICATES DIRECTION OF FLOOR DECK SPAN (4" COMP. CONC., U.O.N.).

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

INDICATES BEAM MOMENT CONNECTION.

10k W12x16 10k (110'-8 1/2") — INDICATES THAT THE W12x16 BEAM IS LEVEL WITH THE TOP FLANGE AT ELEVATION 110'-8 1/2" WITH A 10 KIP REACTION AT EACH END.

W12x16 PT4 HG4 — THE 'PT4' INDICATES A POST; A COLUMN BEARING ON THE TOP FLANGE OF THE BEAM BELOW. THE 'HG4' INDICATES A HANGER; A COLUMN BOLTED TO THE BOTTOM FLANGE OF THE BEAM INDICATED. SEE PLANS FOR POST AND HANGER MARKS.

W12x16 (S) (110'-0) (110'-11") — INDICATES THAT THE W12x16 BEAM IS SLOPED WITH THE TOP OF ITS FLANGE AT ELEVATION 110'-0" AND ELEVATION 110'-11", RESPECTIVELY, AT THE CENTERLINE OF THE TWO COLUMNS. THE BEAM FRAMES OVER THE TOP OF THE RIGHT COLUMN AND INTO THE SIDE OF THE LEFT COLUMN.

**SLAB AND MASONRY PLAN NOTES:**

1. SEE SHEET S0.01 FOR GENERAL NOTES.
2. SEE S3.03 AND S4.01 THROUGH S4.03 FOR TYPICAL SLAB AND MASONRY DETAILS. TYPICAL DETAILS MAY NOT BE CUT ON PLANS, BUT APPLY UNLESS OTHERWISE NOTED.
3. REFERENCE ELEVATION = TOP OF EXISTING LOWER LEVEL FINISH FLOOR = 100'-0" (806.36' U.S.G.S.).
4. L, ML, SML INDICATES MASONRY LINTEL. SEE SHEET S4.03.
5. LBX, LSX, LHSX INDICATES STEEL ANGLE LINTEL. SEE SHEET S4.03.
6. BPX INDICATES BEARING PLATE REQUIRED. SEE S5.01.
7. B/L INDICATES BRICK LEDGE ELEVATION.
8. CJ INDICATES CONTROL JOINT IN CMU. COORDINATE LOCATION WITH BONDING PATTERN AND WALL ELEVATION (SEE S4.02).
9. * INDICATES LINTEL REQUIRED FOR MECHANICAL OPENING. ONLY A PORTION OF THESE LINTELS REQUIRED FOR MASONRY OPENINGS ARE SHOWN ON THE PLANS. THE CONTRACTOR IS REQUIRED TO FURNISH AND INSTALL LINTELS REQUIRED FOR MECHANICAL OPENINGS WHETHER OR NOT SHOWN ON THE PLANS. COORDINATE NUMBER, SIZE, ELEVATION, AND LOCATION OF ALL LINTELS FOR MECHANICAL OPENINGS.

   SEE 1-S4.03 AND 2-S4.03 FOR LINTELS IN NON-BEARING WALLS. SUBMIT SHOP DRAWINGS FOR REVIEW FOR LINTELS REQUIRED AT MECHANICAL OPENINGS IN BEARING WALLS AND OUTSIDE LIMITS OF 1-S4.03 AND 2-S4.03.
10. FOR MULTI-SPAN CONTINUOUS LINTELS, MAINTAIN 16" MINIMUM CMU BETWEEN OPENINGS (U.O.N.).
11. SEE S4.01 FOR MASONRY WALL BRACING REQUIREMENTS.
12. SEE THE PROJECT MANUAL FOR CONTRACTION AND CONSTRUCTION JOINT SPACING. THE CONTRACTOR IS ENCOURAGED TO SUBMIT A SLAB PLAN SHOWING ALTERNATE SPACINGS AND LOCATIONS THAT ADAPTS TO THEIR PLANNED CONSTRUCTION SEQUENCE.
13. SEE ARCHITECTURAL PLANS FOR RAISED LOCKER BASES.
14. PROVYDE LINTEL AT RECESSED FIRE EXTINGUISHER CABINET. SEE TYPICAL CMU WALL OPENING AT RECESSED EQUIPMENT ON S4.02.
15. PROVYDE LINTEL AT RECESSED ELECTRICAL PANEL BOARD. SEE TYPICAL CMU WALL OPENING AT RECESSED EQUIPMENT ON S4.02.
16. SLAB SHALL BE 4" CONCRETE SLAB ON GRADE WITH 6x6-W2.1xW2.1 WWF (SHEETS ONLY) OVER VAPOR BARRIER AND 6" MIN. COMPACTED DRAINAGE FILL.
17. RAMP SLAB SHALL BE 6" CONCRETE SLAB ON GRADE WITH 6x6-W2.9xW2.9 WWF (SHEETS ONLY) OVER VAPOR BARRIER AND 6" MIN. COMPACTED DRAINAGE FILL.
18. HOLLOW CORE PLANKS SHALL HAVE A SLOPED LIGHTWEIGHT CONCRETE TOPPING SLAB. TOPPING SLAB THICKNESS TO BE 2" MINIMUM AT DRAINS AND SLOPE PER ARCHITECTRUAL. REINFORCE TOPPING SLAB WITH EPOXY COATED 6x6-W1.4xW1.4 WELDED WIRE FABRIC (SHEETS ONLY).
19. LEGEND:

INDICATES SLAB DEPRESSION FROM FINISHED FLOOR ELEVATION. SEE THE PROJECT MANUAL FOR REQUIRED DEPRESSION.

PANEL XX — INDICATES MASONRY WALL SUPPORTED ON FOOTING. SEE S4.01 FOR MASONRY WALL PANEL SCHEDULE

INDICATES THICKENED SLAB. SEE 6C-S3.03.



# 222154.00 CARMEL STADIUM GRAND STAND RENOVATION PROJECT

2390 E. SMOKY ROW (HOME SIDE)
2450 E. SMOKY ROW (VISITOR SIDE)
CARMEL, IN 46032

## CARMEL CLAY SCHOOLS

5201 E Main Street, Carmel, IN 46033
317-844-9961


ARCHITECT

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CONSULTANT

TLF, INC.
3901 West 86th Street, Suite 200
Indianapolis, Indiana 46268
Phone: 317-334-1500
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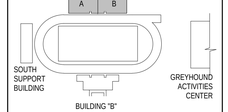
TLF Job No: 2023-234


BUILDING "A"




KEY PLAN

**100% CONSTRUCTION DOCUMENTS**

TRACY A. CHARITON — REGISTERED — No. 10700203 — STATE OF INDIANA — PROFESSIONAL ENGINEER

DRAWN BY: TLF

PROJECT NUMBER: 222154.00

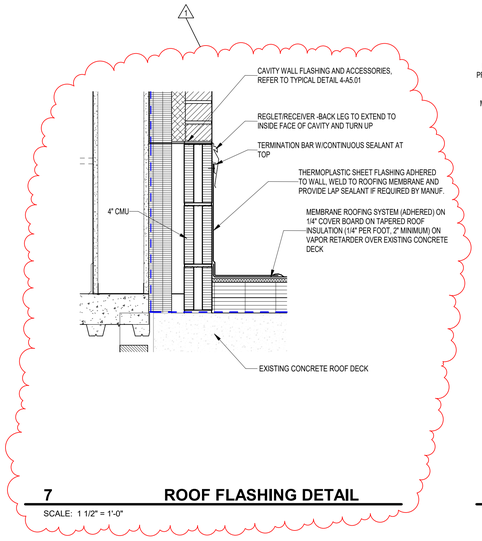
PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDENDUM NO. 2 | 08.23.2024 |
| 2 | ADDENDUM NO. 3 | 08.30.2024 |

# BUILDING A - ENLARGED PLANS

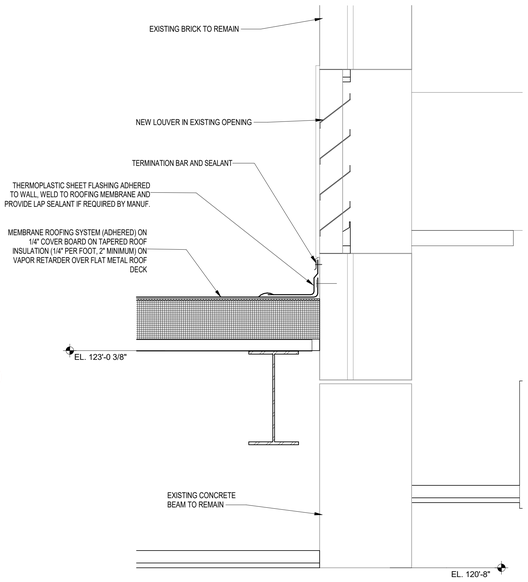
# S2.07

C:\Users\tchariton\OneDrive - TLF, Inc\Documents\2023_Stnc_222154.02 Grand Stand_tchariton\CLIENT.rvt
8/29/2024 12:17:26 PM



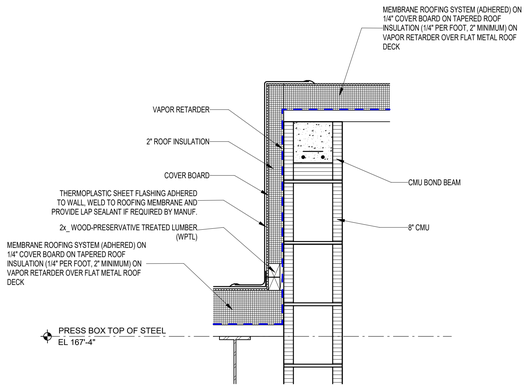

## 7 ROOF FLASHING DETAIL

SCALE: 1 1/2" = 1'-0"



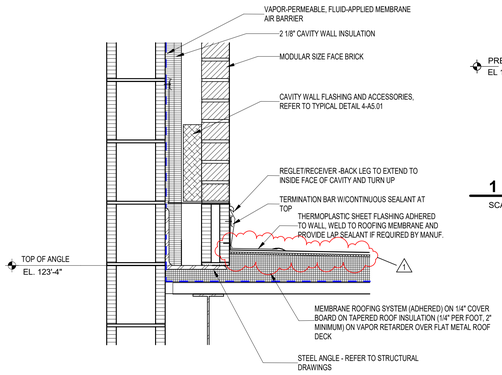

## 6 ROOF FLASHING TO EXISTING WALL

SCALE: 1 1/2" = 1'-0"



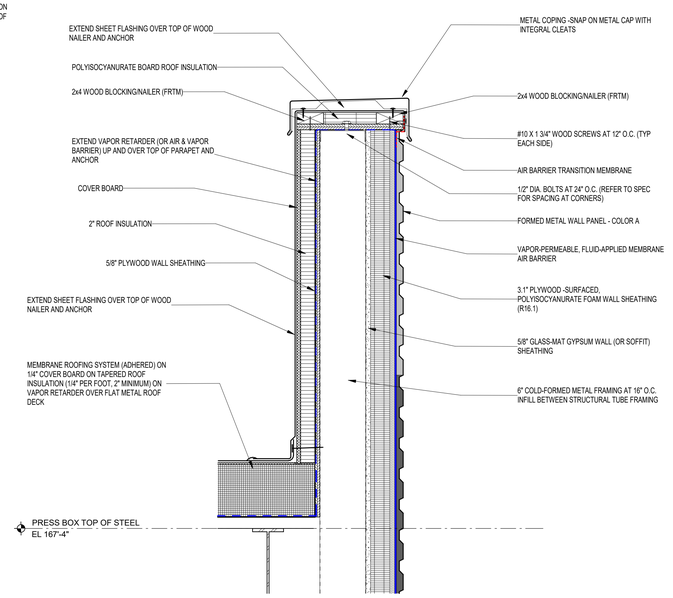

## 5 ELEVATOR HOISTWAY FLASHING DETAIL

SCALE: 1 1/2" = 1'-0"



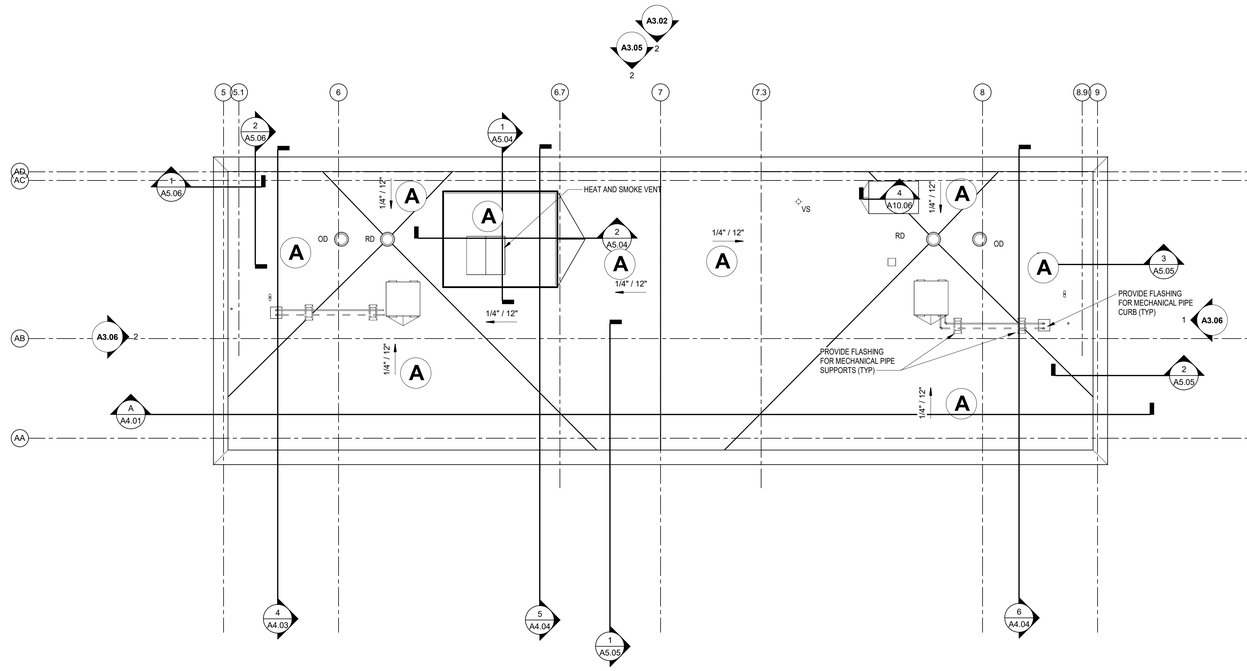

## 4 ELEVATOR WALL FLASHING DETAIL

SCALE: 1 1/2" = 1'-0"



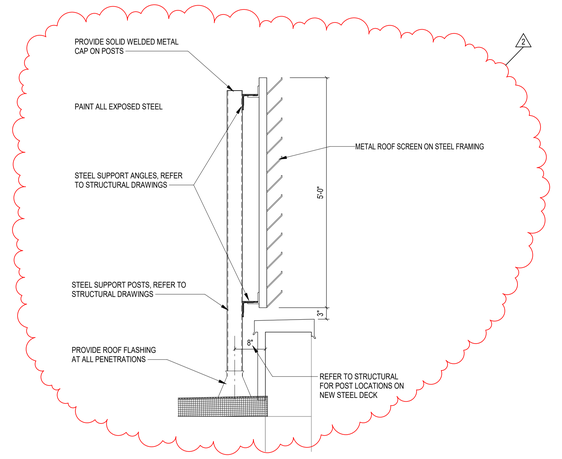

## 1 PRESSBOX PARAPET DETAIL

SCALE: 1 1/2" = 1'-0"



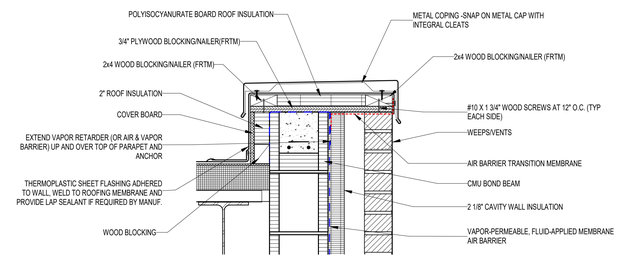

## PRESS BOX ROOF PLAN

SCALE: 3/16" = 1'-0"




## 2 TYPICAL ROOF SCREEN DETAIL

SCALE: 3/4" = 1'-0"




## 3 COPING DETAIL (CMU WALL)

~~SCALE~~ 1 1/2" = 1'-0"



# 222154.00 CARMEL HIGH SCHOOL STADIUM GRANDSTAND RENOVATION PROJECT

2390 E. SMOKY ROW (HOME SIDE)
2450 E. SMOKY ROW (VISITOR SIDE)
CARMEL, IN 46032

**CARMEL CLAY SCHOOLS**
5201 E Main Street, Carmel, IN 46033
317-844-9961

ARCHITECT

FANNING HOWEY

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

100% CONSTRUCTION DOCUMENTS

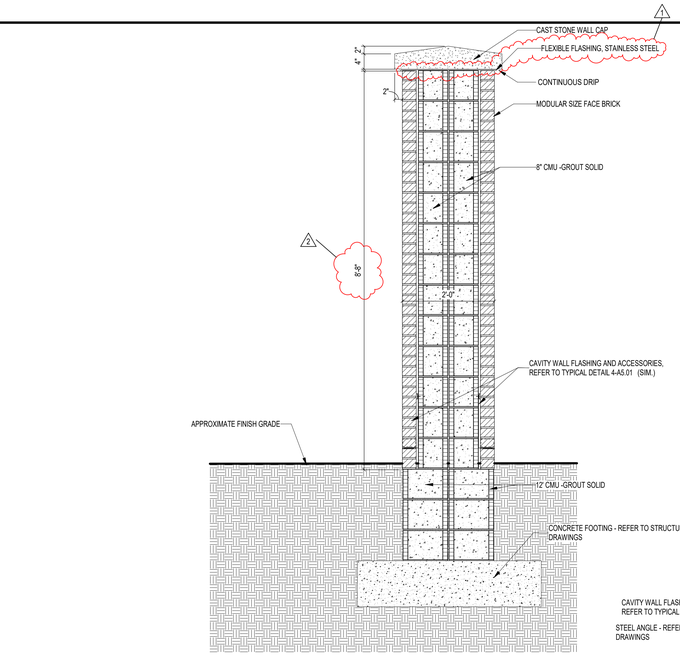
PAUL A. MILLER REGISTERED ARCHITECT No. A 0200161 STATE OF INDIANA

PROJECT MANAGER: MKS
DRAWN BY: TPV
PROJECT NUMBER: 222154.00
PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDENDUM NO. 2 | 8.23.2024 |
| 2 | ADDENDUM NO. 3 | 8.30.2024 |

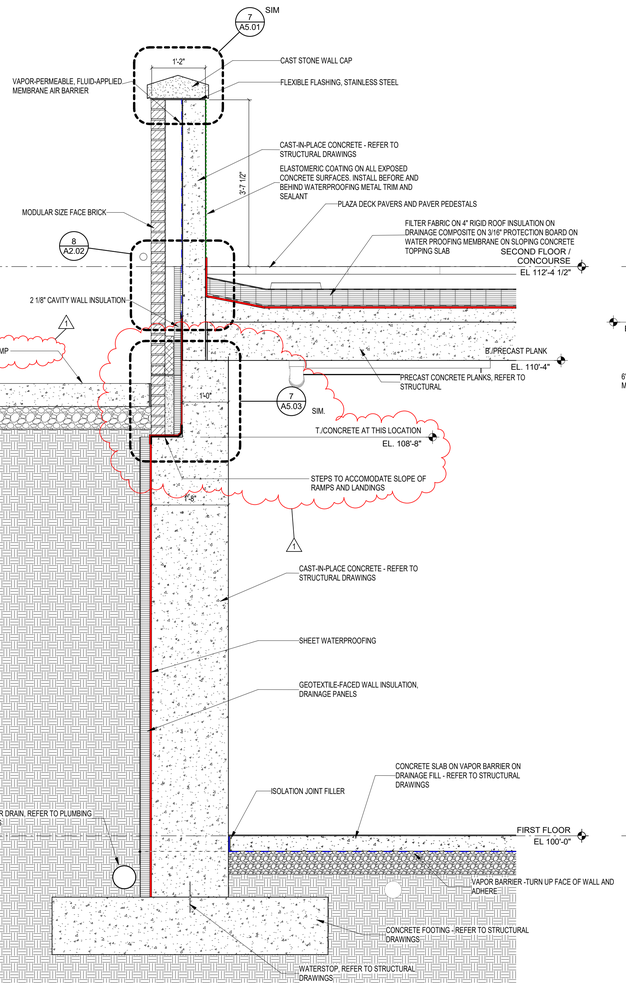
PRESSBOX ROOF PLAN - ROOF DETAILS

**A2.03**



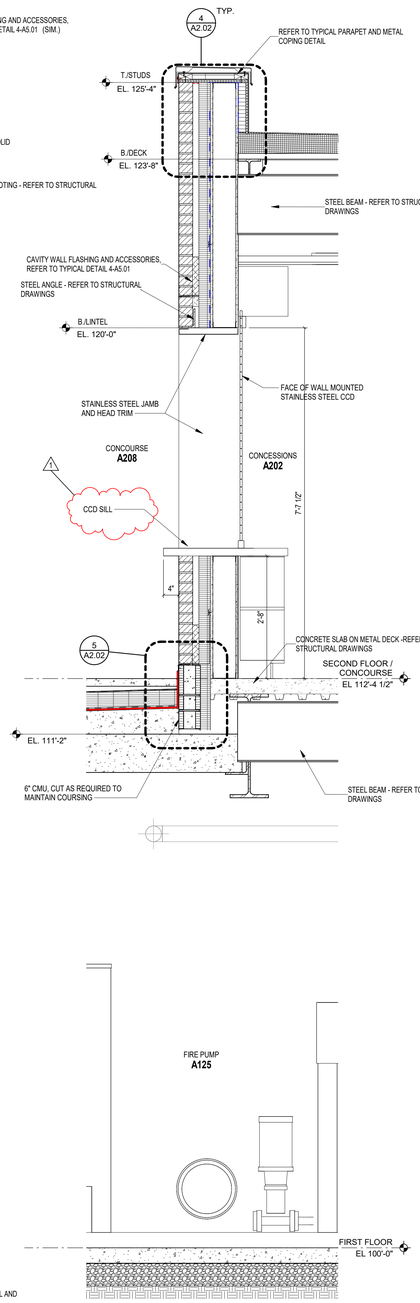

## 5 TYPICAL SITE PIER SECTION

SCALE: 3/4" = 1'-0"



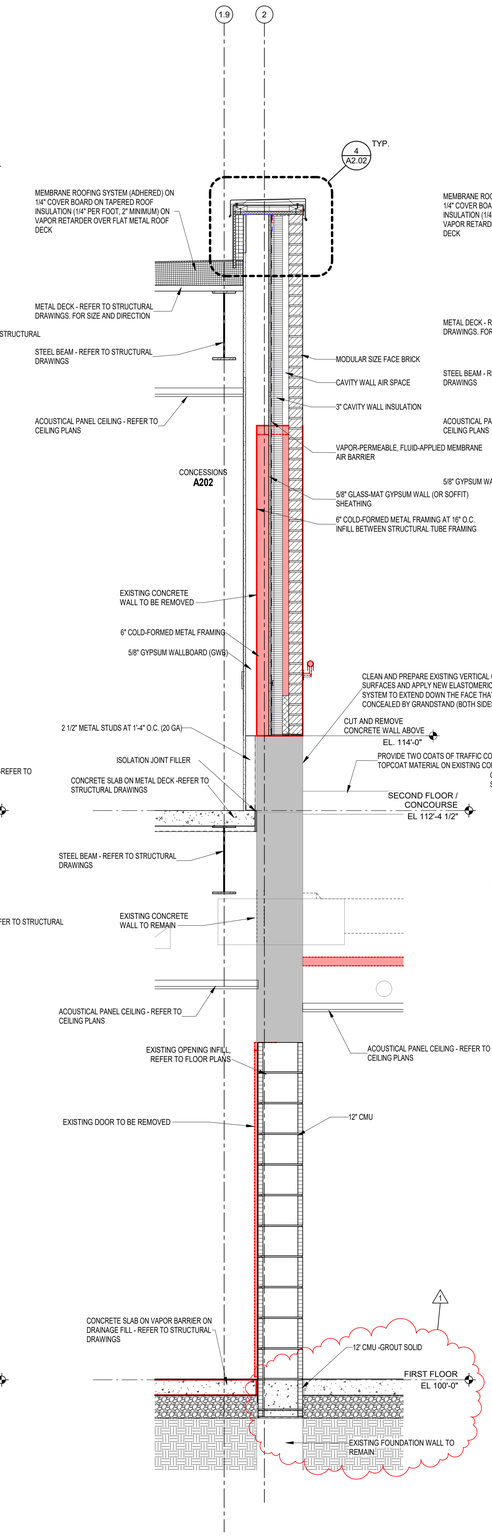

## 4 TYPICAL PLAZA DECK TO RAMP SECTION

SCALE: 3/4" = 1'-0"



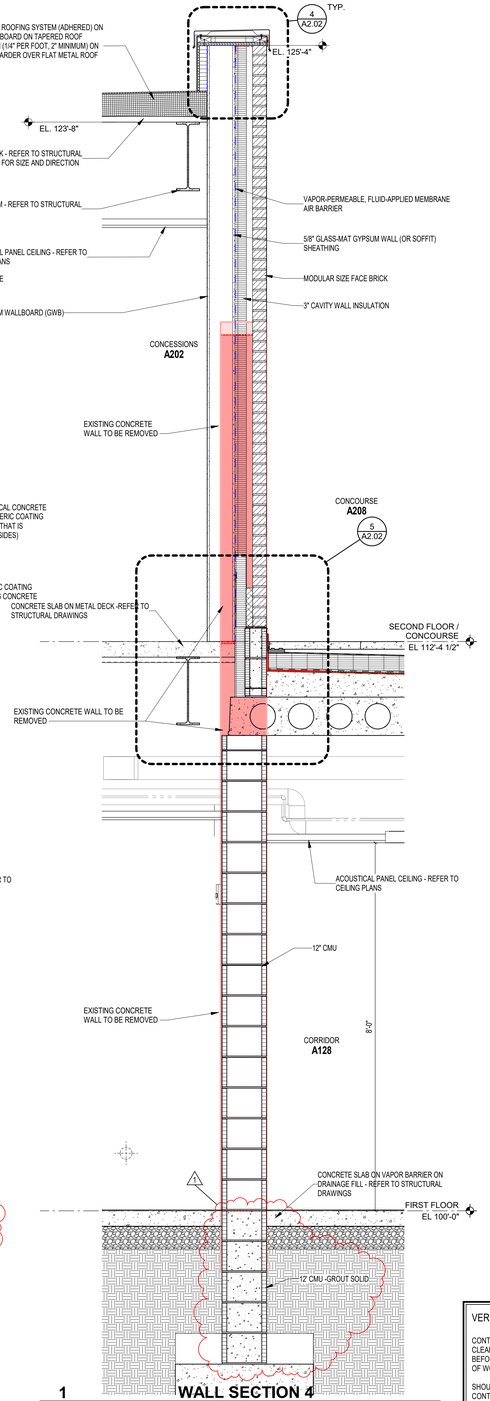

## 3 WALL SECTION 3

SCALE: 3/4" = 1'-0"




## 2 WALL SECTION 6

SCALE: 3/4" = 1'-0"




## 1 WALL SECTION 4

SCALE: 3/4" = 1'-0"

### GENERAL NOTES

A. COORDINATE ALL LINTEL AND BOND BEAM REQUIREMENTS WITH STRUCTURAL DRAWINGS AND PROJECT MANUAL.
B. REFER TO THE STRUCTURAL DRAWINGS FOR ALL FOUNDATION AND FOOTING CONDITIONS.
C. PROVIDE HORIZ. JOINT REINFORCING, TIES, AND OTHER ANCHORAGE/REINFORCEMENT ITEMS AS REQ'D. PER PROJECT MANUAL.
D. ROOF TO EXTERIOR WALL JUNCTIONS: REFER TO DIVISION 07 SECTION "THERMAL INSULATION" FOR SPRAY POLYURETHANE INULATION REQUIRED AT THESE LOCATIONS.
E. WALL INSULATION PENETRATIONS: PROVIDE SPRAY POLYURETHANE INSULATION OR SEALANT AROUND ALL PENETRATIONS OF THE WALL INSULATION BY PIPING, CONDUITS, FRAMING, STRUCTURE, ETC.
F. ALL VISIBLE CMU WALLS TO BE STACK BOND TO MATCH EXISTING.
G. CAVITY WALL INSULATION AT CAST-IN-PLACE CONCRETE TO EXTEND TO TOP OF PAVERS



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ARCHITECT
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350 E NEW YORK ST. SUITE 300, INDIANAPOLIS IN 46204

**100% CONSTRUCTION DOCUMENTS**

PAUL A. MILLER REGISTERED No. A 0300161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: MKS
DRAWN BY: TPV
PROJECT NUMBER: 222154.00
PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDENDUM NO. 2 | 8.23.2024 |
| 2 | ADDENDUM NO. 3 | 8.30.2024 |

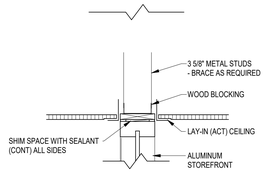
**VERIFICATION NOTE**

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

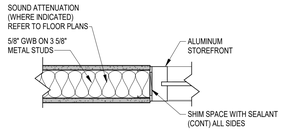
SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

**WALL SECTIONS**

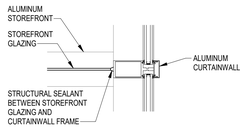
# A5.02




## H15
SCALE: 1 1/2" = 1'-0"




## J15
SCALE: 1 1/2" = 1'-0"




## J16
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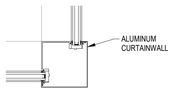
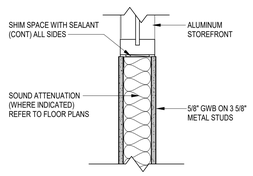
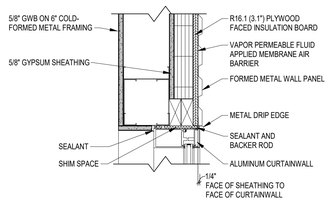


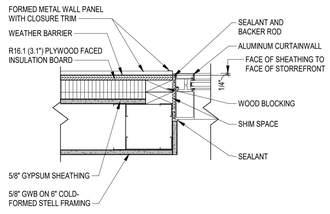

## J17
SCALE: 1 1/2" = 1'-0"



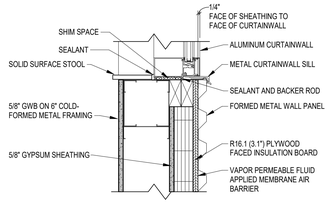

## S7
SCALE: 1 1/2" = 1'-0"



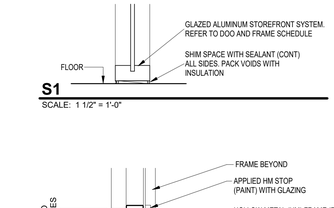

## H14
SCALE: 1 1/2" = 1'-0"



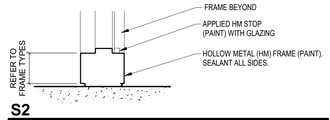

## J14
SCALE: 1 1/2" = 1'-0"



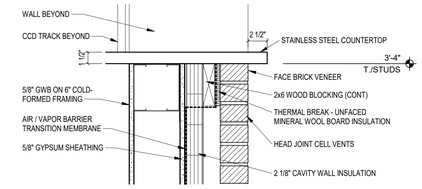

## S6
SCALE: 1 1/2" = 1'-0"



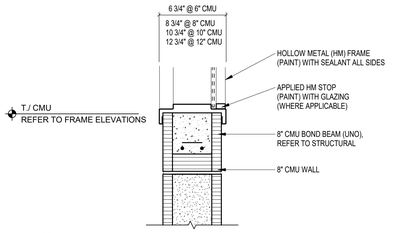

## S1
SCALE: 1 1/2" = 1'-0"



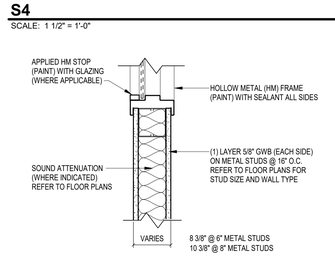

## S2
SCALE: 1 1/2" = 1'-0"



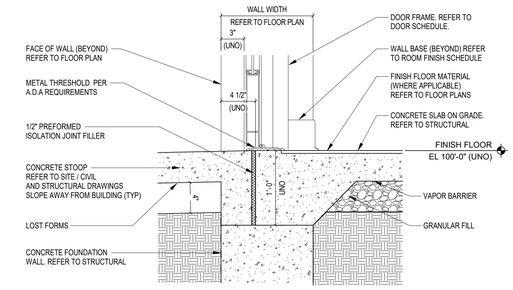

## S3
SCALE: 1 1/2" = 1'-0"



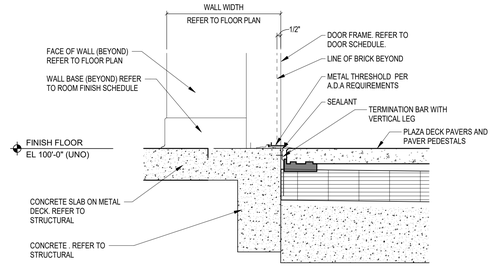

## S4
SCALE: 1 1/2" = 1'-0"



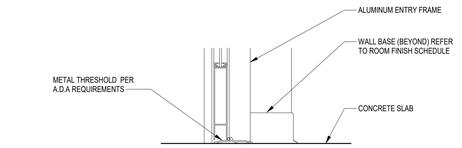

## S5
SCALE: 1 1/2" = 1'-0"



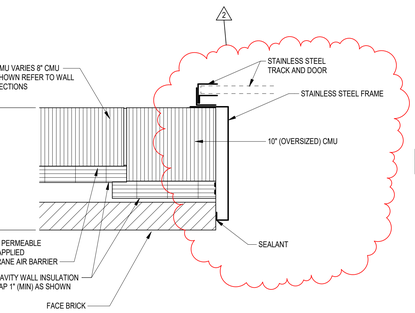

## T1
SCALE: 1 1/2" = 1'-0"



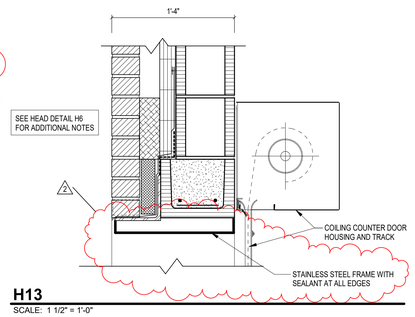

## T2
SCALE: 1 1/2" = 1'-0"



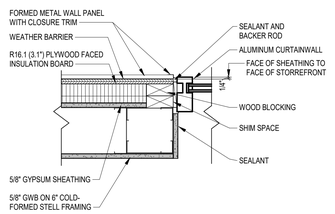

## T3
SCALE: 1 1/2" = 1'-0"



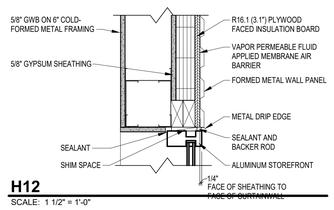

## J13
SCALE: 1 1/2" = 1'-0"




## H13
SCALE: 1 1/2" = 1'-0"




## J12
SCALE: 1 1/2" = 1'-0"




## H12
SCALE: 1 1/2" = 1'-0"



# 222154.00
# CARMEL HIGH SCHOOL STADIUM GRANDSTAND RENOVATION PROJECT

2390 E. SMOKY ROW (HOME SIDE)
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CARMEL, IN 46032

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5201 E Main Street, Carmel, IN 46033
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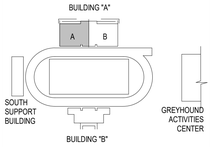
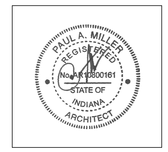
ARCHITECT

FANNING HOWEY
317.848.0966 WWW.FHAI.COM
350 E NEW YORK ST. SUITE 300, INDIANAPOLIS IN 46204




KEY PLAN


**100% CONSTRUCTION DOCUMENTS**




PROJECT MANAGER: MKS
DRAWN BY: RLG
PROJECT NUMBER: 222154.00
PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDENDUM NO. 3 | 8.30.2024 |

**FRAME DETAILS**

# A6.03

# DOOR SCHEDULE - EXISTING DOORS TO REMAIN

| DOOR NUMBER | DOORS | | FIRE RATING IN MINS. | HARDWARE | | STC RATING | REMARKS | DOOR NUMBER |
|---|---|---|---|---|---|---|---|---|
| | DOOR SIZE (WxH) | DOOR TYPE | | SET NO. | KEYSIDE ROOM | | | |
| A101A | 3'-0" x 7'-2" | F WD | | 30.0 | A102 | | NOTE#1 | A101A |
| A101B | 8'-0" x 5'-8" | CCD | | 41.0 | A101 | | NOTE#1 | A101B |
| A102A | 3'-8" x 7'-2" | F WD | | 30.0 | A105 | | NOTE#1 | A102A |
| A102B | 3'-0" x 7'-2" | F WD | | 30.0 | A105 | | NOTE#1 | A102B |
| A110A | 4'-0" x 6'-8" | F WD | | 21.0 | A111 | | NOTE#1 | A110A |
| A114A | PR 3'-0" x 7'-2" | F WD | | 24.0 | A116 | | NOTE#1 | A114A |
| A118A | 3'-0" x 7'-2" | F WD | | 30.0 | A116 | | NOTE#1 | A118A |
| A203A | PR 3'-0" x 7'-2" | F WD | | 23.0 | A116 | | NOTE#1 | A203A |
| A208A | 3'-0" x 6'-8" | F HM | | 8.0 | | | NOTE#1 | A208A |
| A208B | 2'-0" x 7'-2" | F HM | | 9.0 | EXT | | NOTE#1 | A208B |
| A208C | 2'-0" x 7'-2" | F HM | | 9.0 | EXT | | NOTE#1 | A208C |
| B110A | 3'-0" x 7'-2" | F WD | | 39.0 | B124 | | NOTE#1 | B110A |
| B111A | 3'-0" x 7'-2" | F WD | | 39.0 | B124 | | NOTE#1 | B111A |
| B119A | 3'-0" x 7'-2" | F WD | | 32.0 | A116 | | NOTE#1 | B119A |
| B119B | 3'-0" x 7'-2" | F WD | | 32.0 | A124 | | NOTE#1 | B119B |
| B123A | 3'-0" x 7'-2" | F WD | | 29.0 | A116 | | NOTE#1 | B123A |
| B125A | 3'-0" x 7'-2" | F WD | | 35.0 | B124 | | NOTE#1 | B125A |
| B203C | 2'-0" x 7'-2" | F WD | | 30.0 | B203 | | NOTE#1 | B203C |
| B203D | 2'-0" x 7'-2" | F WD | | 30.0 | B203 | | NOTE#1 | B203D |
| B206A | 2'-0" x 7'-2" | F HM | | 9.0 | EXT | | NOTE#1 | B206A |
| B206B | 2'-0" x 7'-2" | F HM | | 9.0 | EXT | | NOTE#1 | B206B |
| B206C | 3'-0" x 6'-10" | F HM | | 8.0 | | | NOTE#1 | B206C |

1

# DOOR SCHEDULE - NEW DOORS AND FRAMES

| DOOR NUMBER | DOORS | | FRAME | | | | | | FIRE RATING IN MINS. | HARDWARE | | STC RATING | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | DETAILS | | | | | | | |
| | DOOR SIZE (WxH) | DOOR TYPE | FRAME MATERIAL | FRAME ELEVATION | JAMB DEPTH | HEAD | JAMB | SILL | | SET NO. | KEYSIDE ROOM | | |
| A105A | PR 3'-0" x 7'-2" | F WD | HM | F2 | 8 3/4" | H1 | J1 | - | | 20.0 | A128 | | NOTE #2 |
| A106A | 3'-0" x 7'-2" | F WD | HM | F3 | 8 3/4" | H1 | J1 | S2 | | 35.0 | A128 | | |
| A107A | 3'-0" x 7'-2" | F WD | HM | F3 | 5 3/4" | H4 | J4 | S2 | | 31.0 | A110 | | |
| A108A | 3'-0" x 7'-2" | F WD | HM | F1 | 5 3/4" | H3 | J3 | - | | 39.0 | A109 | | |
| A111A | PR 3'-0" x 7'-2" | F FRP | AL | A2 | 4 1/2" | H6 SIM. | J6 SIM | T1 SIM | | 42.0 | EXT | | NOTE #2,3 |
| A115A | 3'-0" x 7'-2" | F WD | HM | F1 | 5 3/4" | H3 | J3 | - | | 39.0 | A116 | | |
| A117A | 3'-0" x 7'-2" | F WD | HM | F3 | 5 3/4" | H4 | J4 | S2 | | 32.0 | A116 | | |
| A119A | 3'-0" x 7'-2" | F WD | HM | F1 | 5 3/4" | H3 | J3 | - | | 39.0 | A120 | | |
| A120A | 3'-0" x 7'-2" | F WD | HM | F1 | 5 3/4" | H3 | H3 | - | | 32.0 | A111 | | |
| A121A | 3'-0" x 7'-2" | F WD | HM | F1 | 5 3/4" | H3 | J3 | - | | 30.0 | A123 | | |
| A122A | 3'-0" x 7'-2" | F WD | HM | F3 | 1'-0 3/4" | H1 | J1 | S2 | | 35.0 | A128 | | |
| A123A | 3'-0" x 7'-2" | FGAL2 | AL | A5 | 4 1/2" | H5 | J5 | S1 | | 15.0 | A137 | | NOTE#2 |
| A123B | 3'-0" x 7'-2" | FGAL2 | AL | A5 | 4 1/2" | H5 | J5 | S1 | | 16.0 | A137 | | |
| A124A | 3'-0" x 7'-2" | F WD | HM | F3 | 5 3/4" | H4 | J4 | S2 | | 32.0 | A116 | | |
| A124B | 3'-0" x 7'-2" | F WD | HM | F3 | 5 3/4" | H4 | J4 | S2 | | 26.0 | A116 | | |
| A125A | 4'-0" x 7'-2" | F FRP | AL | A1 | 4 1/2" | H6 | J6 | T1 | | 7.0 | EXT | | |
| A126A | 3'-0" x 7'-2" | F WD | HM | F3 | 8 3/4" | H1 | J1 | S2 | | 32.0 | A137 | | |
| A127A | PR 3'-0" x 7'-2" | FGAL2 | AL | A2 | 4 1/2" | H6 | J6 | T1 | | 1.0 | EXT | | NOTE #2 |
| A127B | PR 3'-0" x 7'-2" | FGAL2 | AL | A2 | 4 1/2" | H8 | J8 | - | | 17.0 | A127 | | |
| A129A | 3'-0" x 7'-2" | F WD | HM | F3 | 8 3/4" | H1 | J1 | S2 | | 19.0 | A137 | | NOTE #2 |
| A129B | 3'-0" x 7'-2" | F WD | HM | F3 | 8 3/4" | H1 | J1 | S2 | | 30.0 | A137 | | |
| A130A | 3'-0" x 7'-2" | F WD | HM | F1 | 8 3/4" | H1 | J1 | - | | 32.0 | A129 | | |
| A131A | 3'-0" x 7'-2" | F WD | HM | F3 | 8 3/4" | H1 | J1 | S2 | | 35.0 | A129 | | |
| A131B | 3'-0" x 7'-2" | F WD | HM | F3 | 8 3/4" | H1 | J1 | S2 | | 31.0 | A137 | | |
| A133A | 3'-0" x 7'-2" | F WD | HM | F1 | 5 3/4" | H3 | J3 | - | | 30.0 | A113 | | |
| A134A | 3'-4" x 7'-2" | F WD | HM | F1 | 8 3/4" | H1 | J1 | - | 90 | 27.0 | A137 | | |
| A135A | 3'-0" x 7'-2" | F WD | HM | F1 | 5 3/4" | H10 | J10 | - | | 19.0 | A122 | | NOTE#2 |
| A138A | 3'-0" x 7'-2" | F WD | HM | F3 | 8 3/4" | H1 | J1 | S2 | | 19.0 | A129 | | NOTE #2 |
| A139A | 3'-0" x 7'-2" | F WD | HM | F1 | 8 3/4" | H1 | J1 | - | | 37.0 | A137 | | |
| A140A | 3'-0" x 7'-2" | F WD | HM | F1 | 8 3/4" | H1 | J1 | - | | 37.0 | A137 | | |
| A202A | 3'-0" x 7'-5 1/2" | F FRP | AL | A1 | 4 1/2" | H7 | J7 | T2 | | 3.0 | EXT | | NOTE #2 |
| A202B | 16'-0" x 4'-11 1/2" | CCD | S.S. | - | 2" | H9 | J9 | S3 | | 41.0 | EXT | | NOTE: #4 |
| A204A | 3'-0" x 7'-4" | F FRP | AL | A1 | 4 1/2" | H10 | J10 | T2 SIM. | | 14.0 | EXT | | NOTE #3 |
| A204B | 3'-0" x 7'-4" | F FRP | AL | A1 | 4 1/2" | H10 | J10 | T2 SIM. | | 14.0 | EXT | | NOTE #3 |
| A205A | 3'-0" x 7'-5 1/2" | F FRP | AL | A1 | 4 1/2" | H10 | J10 | T2 | | 13.0 | EXT | | |
| A206A | 3'-0" x 7'-2" | F WD | HM | F1 | 6 3/4" | H1 | J1 | - | | 30.0 | A207 | | |
| A207A | 3'-0" x 7'-5 1/2" | F FRP | AL | A1 | 4 1/2" | H11 | J11 | T2 | | 4.0 | EXT | | NOTE #2 |
| A207B | 12'-0" x 4'-11 1/2" | CCD | S.S. | - | 2" | H13 | J13 | S3 | | 41.0 | A207 | | NOTE: #4 |
| A209A | 3'-0" x 7'-5 1/2" | N FRP | AL | A1 | 4 1/2" | H11 | J11 | T2 | | 4.0 | A208 | | NOTE #2 |
| A301A | 3'-0" x 7'-2" | N FRP | AL | A1 | 4 1/2" | H12 | J12 | T3 | | 2.0 | EXT | | NOTE #2 |
| A301B | 3'-0" x 7'-2" | N FRP | AL | A1 | 4 1/2" | H12 | J12 | T3 | | 2.0 | EXT | | NOTE#2 |
| A302A | 3'-0" x 7'-2" | N WD | HM | F6 | 5 3/4" | H2 | J2 | S3 | | 32.0 | A301 | | |
| A303A | 3'-0" x 7'-2" | N WD | HM | F6 | 5 3/4" | H2 | J2 | S3 | | 32.0 | A301 | | |
| A305A | 3'-0" x 7'-2" | F WD | HM | F1 | 5 3/4" | H2 | J2 | - | | 37.0 | A306 | | |
| A307A | 2'-8" x 7'-2" | F WD | HM | F1 | 5 3/4" | H2 | J2 | - | | 19.0 | A306 | | NOTE #2 |
| A309A | 2'-8" x 7'-2" | F WD | HM | F1 | 5 3/4" | H2 | J2 | - | | 30.0 | A308 | | |
| A402A | 3'-0" x 7'-2" | F WD | HM | F1 | 5 3/4" | H2 | J2 | - | | 30.0 | A401 | | |
| A403A | 3'-0" x 7'-2" | N WD | HM | F1 | 5 3/4" | H2 | J2 | | | 32.0 | A401 | | |
| A404A | 3'-0" x 7'-2" | N WD | HM | F1 | 5 3/4" | H2 | J2 | | | 32.0 | A401 | | |
| A405A | 3'-0" x 7'-2" | N WD | HM | F6 | 5 3/4" | H2 | J2 | S5 | | 32.0 | A401 | | |
| A406A | 3'-0" x 7'-2" | N WD | HM | F6 | 5 3/4" | H2 | J2 | S5 | | 32.0 | A401 | | |
| A407A | 3'-0" x 7'-2" | N WD | HM | F1 | 5 3/4" | H2 | J2 | | | 32.0 | A401 | | |
| A408A | 3'-0" x 7'-2" | N WD | HM | F1 | 5 3/4" | H2 | J2 | | | 32.0 | A401 | | |
| A409A | 3'-0" x 7'-2" | F WD | HM | F1 | 5 3/4" | H2 | J2 | | | 30.0 | A401 | | |
| A414A | 3'-0" x 7'-2" | F WD | HM | F1 | 5 3/4" | H2 | J2 | - | | 37.0 | A401 | | |
| B102A | PR 3'-0" x 7'-2" | F WD | HM | F2 | 5 3/4" | H3 | J3 | - | | 24.0 | A123 | | |
| B102B | 3'-2" x 7'-2" | F WD | HM | F1 | 8 3/4" | H1 | J1 | - | | 27.0 | A137 | | |
| B107A | PR 3'-0" x 7'-2" | FGAL2 | AL | A2 | 4 1/2" | H6 | J6 | T1 | | 1.0 | EXT | | NOTE #2 |
| B107B | PR 3'-0" x 7'-2" | FGAL2 | AL | A2 | 4 1/2" | H8 | J8 | - | | 17.0 | B107 | | |
| B108A | 3'-0" x 7'-2" | F WD | HM | F3 | 8 3/4" | H1 | J1 | S2 | | 19.0 | B101 | | |
| B109A | 3'-0" x 7'-2" | F FRP | AL | A1 | 4 1/2" | N/A | N/A | N/A | | 2.0 | EXT | | NOTE#2, 3 |
| B112A | PR 3'-0" x 7'-2" | F FRP | AL | A2 | 4 1/2" | H6 | J6 | T1 | | 6.0 | EXT | | |
| B113A | PR 2'-6" x 7'-2" | F FRP | AL | A2 | 4 1/2" | N/A | N/A | N/A | | 6.0 | EXT | | NOTE #3 |
| B114A | PR 3'-0" x 7'-2" | F WD | HM | F2 | 8 3/4" | H1 | J1 | - | | 20.0 | B101 | | |
| B118A | 3'-0" x 7'-2" | F WD | HM | F1 | 5 3/4" | H3 | J3 | - | | 32.0 | A116 | | |
| B120A | 3'-0" x 7'-2" | F WD | HM | F1 | 5 3/4" | H3 | J3 | | | 30.0 | B121 | | |
| B121A | PR 3'-0" x 7'-2" | F FRP | AL | A2 | 4 1/2" | H6 SIM. | J6 SIM | T1 SIM | | 42.0 | EXT | | NOTE#2, #3 |
| B122A | PR 3'-0" x 7'-2" | F FRP | AL | A2 | 4 1/2" | H6 | J6 | T1 | | 6.0 | EXT | | |
| B126A | PR 3'-0" x 7'-2" | F WD | HM | F2 | 8 3/4" | H1 | J1 | - | | 25.0 | B101 | | |
| B201A | 3'-0" x 7'-2" | F WD | HM | F1 | 6 3/4" | H1 | J1 | - | | 30.0 | A207 | | |
| B202A | 3'-0" x 7'-5 1/2" | F FRP | AL | A1 | 4 1/2" | H10 | J10 | T2 | | 13.0 | EXT | | |
| B203A | 3'-0" x 7'-4" | F FRP | AL | A1 | 4 1/2" | N/A | N/A | N/A | | 14.0 | EXT | | NOTE #3 |
| B203B | 3'-0" x 7'-4" | F FRP | AL | A1 | 4 1/2" | N/A | N/A | N/A | | 14.0 | EXT | | NOTE #3 |
| B204A | 3'-0" x 7'-5 1/2" | F FRP | AL | A1 | 4 1/2" | H11 SIM | J11 | T2 SIM | | 7.0 | EXT | | NOTE#2, 3 |
| B205A | 3'-0" x 7'-5 1/2" | F FRP | AL | A1 | 4 1/2" | H7 | J7 | T2 SIM | | 4.0 | EXT | | NOTE #2 |
| B205B | 16'-0" x 4'-11 1/2" | CCD | S.S. | - | 2" | H9 | J9 | S3 | | 41.0 | EXT | | NOTE: #4 |

2

## DOOR SCHEDULE REMARKS

| NOTE# | KEY NOTE |
|---|---|
| 1 | NEW HARDWARE FOR EXISTING DOOR AND FRAME |
| 2 | ELECTRONIC ACCESS. REFER TO TECHNOLOGY/ELECTRICAL DRAWINGS |
| 3 | NEW DOOR AND FRAME IN EXISTING OPENING |
| 4 | OVERHEAD DOOR TO BE MOTORIZED |

GENERAL NOTE:
VERIFY SIZES OF ALL EXISTING DOORS

1



# 222154.00
# CARMEL HIGH SCHOOL STADIUM GRANDSTAND RENOVATION PROJECT

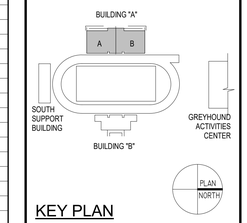
2390 E. SMOKY ROW (HOME SIDE)
2450 E. SMOKY ROW (VISITOR SIDE)
CARMEL, IN 46032

**CARMEL CLAY SCHOOLS**
5201 E Main Street, Carmel, IN 46033
317-844-9961

ARCHITECT

FANNING HOWEY

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




KEY PLAN

100% CONSTRUCTION DOCUMENTS

PAUL A. MILLER
REGISTERED
No. A 0800161
STATE OF INDIANA
ARCHITECT

PROJECT MANAGER: MKS
DRAWN BY: RLG
PROJECT NUMBER: 222154.00
PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDENDUM NO. 2 | 8.23.2024 |
| 2 | ADDENDUM NO. 3 | 8.30.2024 |

DOOR AND FRAME SCHEDULE

# A6S.01

| ROOM LEGEND - FIRST FLOOR BUILDING A | | |
|---|---|---|
| ROOM NO. | ROOM NAME | AREA (SF) |
| A101 | EQUIPMENT | 256 SF |
| A102 | EQUIPMENT | 806 SF |
| A103 | LAUNDRY | 247 SF |
| A104 | VESTIBULE | 78 SF |
| A105 | HALLWAY | 237 SF |
| A106 | CLASSROOM | 358 SF |
| A107 | COACHES OFFICE | 277 SF |
| A108 | RESTROOM | 74 SF |
| A109 | LOCKERS | 88 SF |
| A110 | LOCKER ROOM | 1749 SF |
| A111 | VESTIBULE | 111 SF |
| A112 | BOYS | 270 SF |
| A113 | SHOWERS | 96 SF |
| A114 | ELECTRICAL | 239 SF |
| A115 | CHANGING ROOM | 71 SF |
| A116 | CORRIDOR | 528 SF |
| A117 | OFFICE | 111 SF |
| A118 | STORAGE | 29 SF |
| A119 | WOMEN | 78 SF |
| A120 | WOMENS/ OFFICIALS | 124 SF |
| A121 | STORAGE | 122 SF |
| A122 | CLASSROOM | 477 SF |
| A123 | CORRIDOR/ HALLWAY | 528 SF |
| A124 | COACHES | 809 SF |
| A125 | FIRE PUMP | 160 SF |
| A126 | WOMEN'S OFFICIALS/ MANAGERS | 153 SF |
| A127 | VESTIBULE | 103 SF |
| A128 | CORRIDOR | 296 SF |
| A129 | TRAINING | 895 SF |
| A130 | CLINIC | 142 SF |

| ROOM LEGEND - FIRST FLOOR BUILDING A | | |
|---|---|---|
| ROOM NO. | ROOM NAME | AREA (SF) |
| A131 | RECOVERY | 163 SF |
| A133 | STORAGE | 102 SF |
| A134 | ELEV. EQPT. | 59 SF |
| A135 | IT/DATA CLOSET | 48 SF |
| A136 | STUDENT COMMONS | 796 SF |
| A137 | HALLWAY | 1507 SF |
| A138 | OFFICE | 163 SF |
| A139 | RESTROOM | 82 SF |
| A140 | RESTROOM | 82 SF |

| ROOM LEGEND - FIRST FLOOR BUILDING B | | |
|---|---|---|
| ROOM NO. | ROOM NAME | AREA (SF) |
| B101 | MEETING AREA | 2377 SF |
| B102 | MECHANICAL | 966 SF |
| B107 | VESTIBULE | 75 SF |
| B108 | FILM | 191 SF |
| B109 | CLASSROOM | 744 SF |
| B110 | RESTROOM | 42 SF |
| B111 | RESTROOM | 42 SF |
| B112 | EQUIP. STORAGE | 159 SF |
| B113 | MECHANICAL | 285 SF |
| B114 | LOCKER ROOM | 2752 SF |
| B115 | SHOWERS | 95 SF |
| B116 | RESTROOM | 264 SF |
| B117 | RESTROOM | 101 SF |
| B118 | COACHES' LOCKER | 187 SF |
| B119 | HEAD COACH OFFICE | 230 SF |
| B120 | STORAGE | 109 SF |
| B121 | VESTIBULE | 111 SF |
| B122 | ICE ROOM | 93 SF |
| B123 | CUSTODIAL | 79 SF |
| B124 | PASSAGE | 50 SF |
| B125 | HALLWAY | 63 SF |
| B126 | TABLE STORAGE | 105 SF |

## VENTILATION PLAN NOTES

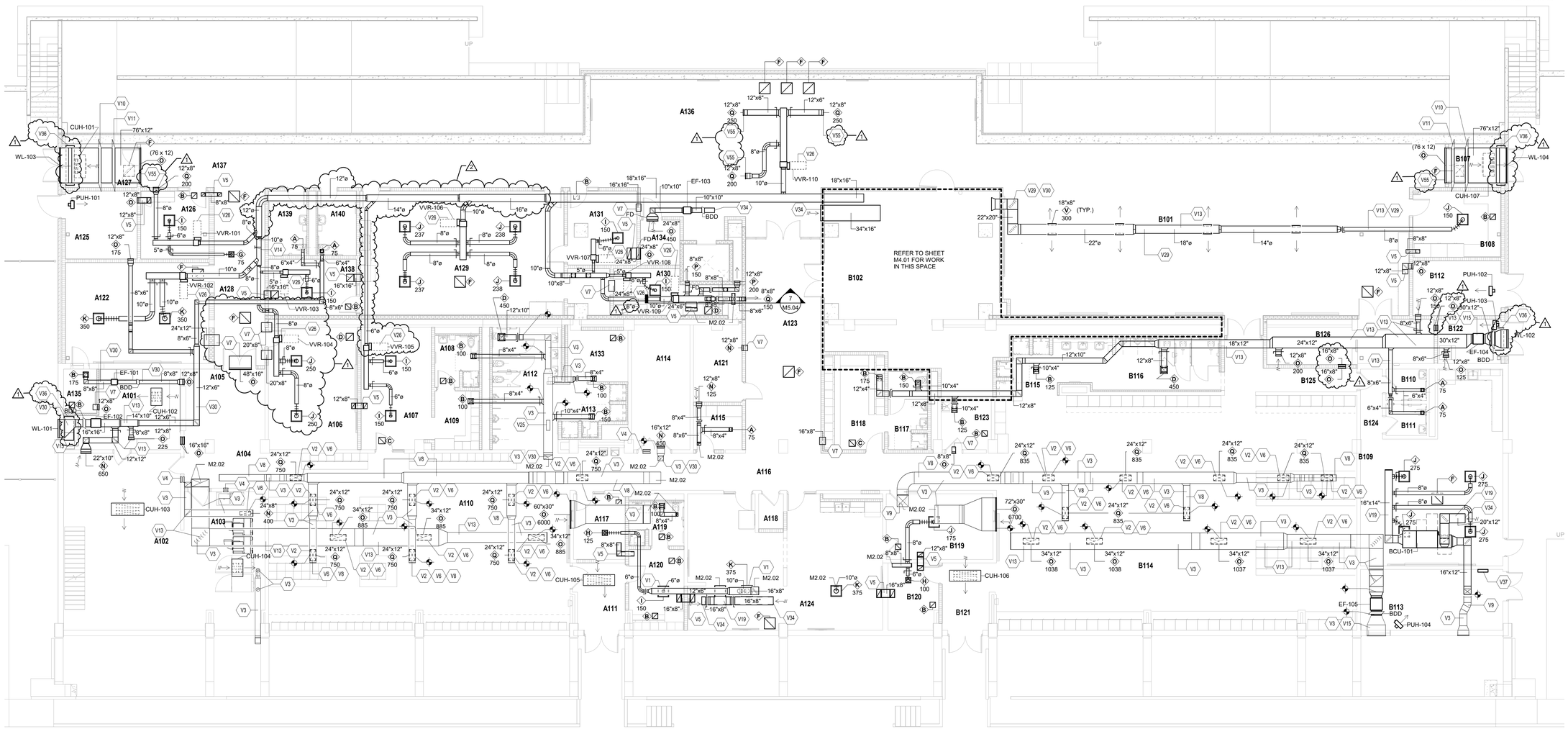
(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

| NO. | DESCRIPTION |
|---|---|
| V1 | PROVIDE VOLUME DAMPER IN VERTICAL DUCTWORK TO AIR DEVICE. |
| V2 | AIR DEVICE PROVIDED WITH FACTORY MOUNTED VOLUME DAMPER. |
| V3 | CLEAN EXISTING DUCTWORK, AIR DEVICES AND ACCESSORIES PER SPECIFICATIONS. |
| V4 | CLEAN EXISTING AIR DEVICES AND ACCESSORIES PER SPECIFICATIONS. |
| V5 | ACOUSTICALLY LINED AIR TRANSFER SOUND TRAP. EXTEND DUCTWORK UP TO PROVIDE NO LINE OF SIGHT FROM OPENING TO OPENING. |
| V6 | CONNECT NEW GRILLE TO THE EXISTING DUCTWORK. MAKE ADJUSTMENTS AS REQUIRED. |
| V7 | AIR TRANSFER WALL OPENING LOCATED ABOVE CEILING. COORDINATE EXACT LOCATION WITH ALL TRADES. |
| V8 | INSULATE EXISTING SUPPLY DUCTWORK WITH INSULATION BOARD AND COVER WITH PVC JACKET. PVC JACKET COLOR TO BE SELECTED BY THE ARCHITECT. |
| V9 | INSULATE EXISTING DUCTWORK WITH WRAPPED INSULATION. |
| V10 | RELIEF CONTROL DAMPER PROVIDED BY THE TEMPERATURE CONTROL CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR. |
| V11 | BAROMETRIC GRAVITY RELIEF BACKDRAFT DAMPER MOUNTED VERTICALLY IN DUCTWORK. |
| V13 | EXPOSED DUCTWORK AND ASSOCIATED AIR DEVICES TO BE PAINTED. COORDINATE COLOR WITH ARCHITECT/ENGINEER. CLEAN AND PREPARE DUCTWORK TO ENSURE PAINT ADHERES TO DUCTWORK. |

| NO. | DESCRIPTION |
|---|---|
| V14 | APPROXIMATE LOCATION OF THE DUCT STATIC PRESSURE SENSOR. DUCT STATIC PRESSURE SENSOR PROVIDED BY THE TEMPERATURE CONTROL CONTRACTOR. |
| V15 | EXHAUST DUCTWORK FROM EXHAUST FAN TO WALL LOUVER SHALL BE PROVIDED WITH WRAPPED INSULATION. |
| V19 | DUCTWORK PROVIDED WITH INTERNAL LINED INSULATION. |
| V25 | CAP EXISTING DUCT AT APPROXIMATE LOCATION. |
| V26 | DASHED LINE INDICATES APPROXIMATE CLEARANCE REQUIRED IN FRONT OF UNIT CONTROL PANEL. COORDINATE LOCATION WITH ALL TRADES. |
| V29 | PROVIDE DOUBLE WALL INSULATED DUCTWORK. |
| V30 | PAINT EXPOSED DUCTWORK TO COLOR SELECTED BY ARCHITECT/ENGINEER. CLEAN AND PREPARE DUCTWORK TO ENSURE PAINT ADHERES TO DUCTWORK. |
| V34 | END OF DUCT OPEN TO THE PLENUM SPACE ABOVE THE CEILING. OPENING TO BE PROTECTED WITH BIRD SCREEN. |
| V36 | PROVIDE DRIP PAN UNDER WALL LOUVER. DRIP PAN SHALL EXTEND A MINIMUM OF 6" BEYOND DUCTWORK. |
| V37 | APPROXIMATE LOCATION OF NEW TEMPERATURE CONTROL PANEL(S). COORDINATE EXACT LOCATION WITH ALL TRADES. |
| V55 | PAINT AIR DEVICE TO COLOR SELECTED BY THE ARCHITECT. COORDINATE WITH DIVISION 9. |

## VENTILATION PLAN GENERAL NOTES

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 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 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.
H. 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.
I. COORDINATE MECHANICAL SYSTEM INSTALLATION WITH STRUCTURE, FIRE PROTECTION AND LIGHTING LAYOUT.
J. PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT FROM SIZES SHOWN ON PLAN.
K. ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA REQUIREMENTS.
L. COORDINATE DIFFUSER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND EQUIPMENT PLANS. DIFFUSER/GRILLES TO BE CENTERED IN CEILING PADS.
M. MAIN SUPPLY AIR DUCTWORK TO BE MEDIUM PRESSURE RATED PER SMACNA REQUIREMENTS FROM AIR HANDLING UNITS TO TERMINAL UNITS. DUCTWORK BRANCES FROM TERMINAL UNITS TO AIR DEVICES SHALL BE LOW PRESSURE RATED PER SMACNA REQUIREMENTS.
N. VAV BOXES SHALL BE INSTALLED SUCH THAT NO PIPING, DUCTWORK, HANGERS, FIRE PROTECTION, ETC, SHALL BE INSTALLED WITHIN 30" OF THE CONTROL PANEL. THE UNIT SHALL NOT BE INSTALLED DIRECTLY ABOVE LIGHT FIXTURE OR CEILING TILE WITH SPEAKER, OCCUPANCY SENSOR, FIRE SPRINKLER, ETC.
P. ALL VVR TERMINAL UNITS, MSCU, BCU, FIRE DAMPERS, SMOKE DAMPER, AND INLINE EXHAUST FANS SHALL BE INSTALLED WITHIN TWO FEET OF THE CEILING FOR MAINTENANCE ACCESS.
Q. COORDINATE WALL MOUNTED DIFFUSER LOCATIONS WITH ARCHITECTURAL INTERIOR ELEVATIONS.
R. COORDINATE WALL LOUVER LOCATIONS WITH ARCHITECTURAL EXTERIOR ELEVATIONS.




## BUILDING A - FIRST FLOOR MECHANICAL PLAN

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

**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.



# 222154.02
# CARMEL STADIUM GRAND STAND RENOVATION PROJECT

2390 E. SMOKY ROW (HOME SIDE)
2450 E. SMOKY ROW (VISITOR SIDE)
CARMEL, IN 46032

**CARMEL CLAY SCHOOLS**

5201 E Main Street, Carmel, IN 46033
317-844-9961

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM




KEY PLAN

CONSTRUCTION DOCUMENTS


DRAWN BY: DRV
PROJECT NUMBER: 222154.02
PROJECT ISSUE DATE: 7-26-2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDENDUM #2 | 8-22-24 |
| 2 | ADDENDUM #3 | 8-29-24 |

**FIRST FLOOR MECHANICAL PLAN**

# M2.01

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8/29/2024 11:54:55 AM

## AIR HANDLING UNIT SCHEDULE

| MARK | FANS | | | | | | | | COILS | | | | | | | | | | | | | | | | | | MODEL NO. | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SUPPLY | | | | | | | | COOLING COIL (DX) | | | | | | | PRE HEATING COIL | | | | | | REHEAT HEATING COIL | | | | | | | |
| | CFM | MIN. O.A. CFM | EXT. S.P. | TOTAL S.P. | BHP | HP | TYPE | RPM | ELEC. | EAT | LAT | COOLING LOAD SENS. | COOLING LOAD TOTAL | FACE VELOCITY | APD | EAT | LAT | MBH | GPM | EWT / LWT | APD | WPD | EAT | LAT | MBH | GPM | EWT / LWT | APD | WPD | | |
| AHU-101 | 6,700 | 2,600 | 2.5 | 5.29 | 8.7 | (2)5.0 | PLENUM (DIRECT) AF 15 DD 9BL | 3,565 | 460/3 | 81.0 / 67.3 | 55.6 / 53.9 | 180.81 | 271.94 | 481 FT/MIN. | 0.74 | 40.8 | 80.1 | 279.00 | 13.9 | 180.0 / 139.9 | 0.24 | 0.30 | NA | NA | NA | NA | NA / NA | NA | NA | CAH014GDGM | 1,2,3,6,7,8,9,10,11,12 |
| AHU-201 | 6,700 | 6,700 | 1.50 | 4.18 | 7.0 | (1)7.5 | DWDI 16.19 BELT | 2,807 | 460/3 | 90.0 / 74.0 | 55.0 / 53.9 | 256.62 | 451.32 | 393 FT/MIN. | 0.94 | NA | NA | NA | NA | NA / NA | NA | NA | 0.0 | 95.1 | 688.00 | 34.9 | 180 / 140.4 | 0.46 | 16.46 | CAH018GDAM | 1,2,3,5,6,7,8,9,10,11,12 |
| AHU-202 | 6,000 | 6,000 | 1.50 | 3.74 | 5.5 | (1)7.5 | DWDI 16.19 BELT | 2,581 | 460/3 | 90.0 / 74.0 | 55.1 / 53.9 | 229.01 | 404.04 | 321 FT/MIN. | 0.59 | NA | NA | NA | NA | NA / NA | NA | NA | 0.0 | 97.7 | 632.50 | 31.3 | 180 / 139.3 | 0.38 | 13.29 | CAH018GDAM | 1,2,3,5,6,7,8,9,10,11,12 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NOTES

1. UNITS SCHEDULED ARE AS MANUFACTURED BY DAIKIN.
2. REFER TO PROJECT MANUAL SECTION 237313.
3. REFER TO SHEET M5.05 FOR AIR HANDLING UNIT DETAILS.
4. SUPPLY FAN MOTOR(S) - INTEGRATED DRIVE WITH MOTOR STARTER/DISCONNECT.
5. INCLUDE FACTORY MOUNTED CONTROL AIR DAMPER(S).
6. MAXIMUM FILTER FACE VELOCITY SHALL BE 500 FPM.
7. TOTAL UNIT STATIC PRESSURE REFLECTS AVERAGE DIRTY FILTERS.
8. MAXIMUM COIL FACE VELOCITY SHALL BE 500 FPM.
9. COOLING COIL SHALL BE INTERTWINNED REFRIGERANT COIL.
10. HEATING COIL SHALL BE SELECTED WITH 100% WATER.
11. PROVIDE FACTORY MOUNTED CONVENIENCE OUTLET AND INTERNAL LIGHTS.
12. SUPPLY FAN(S) MOTORS CONTROLLED BY VARIABLE FREQUENCY CONTROLLER.

SUMMER:
INDOOR: 75° db/60% RH
OUTDOOR: 90.0° db/74.0° wb
WINTER:
INDOOR: 70° db
OUTDOOR: 0° db

## VAV REHEAT TERMINAL SCHEDULE

| MARK | PRIMARY CFM | MIN PRIMARY CFM | MBH | GPM | INLET DIA | AVAIL. INLET SP | RAD. N.C. | DIS. N.C. | LWT | LAT | # ROWS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VVR-101 | 425 | 213 | 18.05 | 1.2 | 8 | 1.09 | - | - | 149.7 | 94.2 | 2 |
| VVR-102 | 700 | 350 | 31.13 | 1.8 | 10 | 1.00 | - | - | 143.8 | 95.9 | 2 |
| VVR-103 | 150 | 75 | 6.26 | 0.4 | 5 | 0.83 | - | - | 150.3 | 93.4 | 1 |
| VVR-104 | 500 | 250 | 20.93 | 1.43 | 8 | 0.92 | - | - | 149.4 | 96.4 | 2 |
| VVR-105 | 300 | 150 | 13.00 | 1.05 | 6 | 0.84 | - | - | 154.4 | 96.3 | 2 |
| VVR-106 | 950 | 475 | 41.56 | 2.75 | 10 | 1.04 | - | - | 148.9 | 95.3 | 2 |
| VVR-107 | 150 | 75 | 6.26 | 0.4 | 5 | 1.16 | - | - | 150.3 | 93.4 | 1 |
| VVR-108 | 150 | 75 | 6.26 | 0.4 | 5 | 1.08 | - | - | 150.3 | 93.4 | 1 |
| VVR-109 | 750 | 375 | 33.04 | 1.9 | 10 | 0.84 | - | - | 144.3 | 95.6 | 2 |
| VVR-110 | 700 | 350 | 31.13 | 1.8 | 10 | 1.18 | - | - | 143.9 | 95.9 | 2 |
| VVR-111 | 2,550 | 1,275 | 113.38 | 4.2 | 16 | 1.57 | 18 | 16 | 123.8 | 95.9 | 3 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
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| | | | | | | | | | | | |
| | | | | | | | | | | | |

GENERAL NOTES:

1. COILS SHALL BE SELECTED WITH 1' WPD MAXIMUM.
2. HEATING COIL DESIGN BASED ON HIGH-EFFICIENCY, HOT WATER COIL.
3. HEATING COIL LOADS CALCULATED WITH 180° EWT, 55° EAT AT TOTAL PRIMARY AIR FLOW.
4. UNIT MANUFACTURER SHALL PROVIDE REQUIRED HANGING BRACKETS TO PROPERLY SUPPORT UNIT. REFER TO DETAILS.
5. UNITS SCHEDULED ARE AS MANUFACTURED BY ETI.
6. UNIT SELECTION MUST ALLOW FOR A MINUMUM 0.50" DOWNSTREAM STATIC PRESSURE.
7. 277/1 VOLT ELECTRICAL SERVICE WILL BE SUPPLIED TO EACH UNIT BY THE ELECTRICAL CONTRACTOR.
8. REFER TO SPECIFICATION SECTION 233600.

## DIFFUSER, REGISTER, AND GRILLE SCHEDULE

| MARK | TYPE | EXAMPLE MANUFACTUER MODEL NO. | NECK SIZE | OVERALL SIZE L"xW" | MAX CORE/ NECK VEL.(FPM) | MAX. CFM | MAX. NOISE CRITERIA | FRAME/ MOUNTING | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| A | RETURN/AIR TRANSFER GRILLE | TITUS 355-FL | 6"x6" | 8"x8" | 500 | 100 | 20 | REFER TO REFLECTED CEILING PLAN | PROVIDE ALUMINUM SURFACE MOUNT BORDER FOR DUCTED INSTALLATIONS. |
| B | RETURN/AIR TRANSFER GRILLE | TITUS 355-FL | 10"x10" | 12"x12" | 500 | 300 | 20 | REFER TO REFLECTED CEILING PLAN | PROVIDE ALUMINUM SURFACE MOUNT BORDER FOR DUCTED INSTALLATIONS. |
| C | RETURN/AIR TRANSFER GRILLE | TITUS 355-FL | 12"x12" | 14"x14" | 500 | 425 | 20 | REFER TO REFLECTED CEILING PLAN | PROVIDE ALUMINUM SURFACE MOUNT BORDER FOR DUCTED INSTALLATIONS. |
| D | RETURN/AIR TRANSFER GRILLE | TITUS 355-FL | 14"x14" | 16"x16" | 500 | 600 | 20 | REFER TO REFLECTED CEILING PLAN | PROVIDE ALUMINUM SURFACE MOUNT BORDER FOR DUCTED INSTALLATIONS. |
| E | RETURN/AIR TRANSFER GRILLE | TITUS 355-FL | 16"x16" | 18"x18" | 500 | 800 | 20 | REFER TO REFLECTED CEILING PLAN | PROVIDE ALUMINUM SURFACE MOUNT BORDER FOR DUCTED INSTALLATIONS. |
| F | RETURN/AIR TRANSFER GRILLE | TITUS 355-FL | 22"x22" | 24"x24" | 500 | 1250 | 20 | REFER TO REFLECTED CEILING PLAN | PROVIDE ALUMINUM SURFACE MOUNT BORDER FOR DUCTED INSTALLATIONS. |
| G | SQUARE PLAQUE CEILING DIFFUSER | TITUS OMNI | 5" | 12"x12" | 800 | 100 | 18 | REFER TO REFLECTED CEILING PLAN | 4-WAY BLOW DIFFUSERS, UNLESS INDICATED OTHERWISE ON DRAWINGS. |
| H | SQUARE PLAQUE CEILING DIFFUSER | TITUS OMNI | 6" | 12"x12" | 800 | 150 | 21 | REFER TO REFLECTED CEILING PLAN | 4-WAY BLOW DIFFUSERS, UNLESS INDICATED OTHERWISE ON DRAWINGS. |
| I | SQUARE PLAQUE CEILING DIFFUSER | TITUS OMNI | 6" | 24"x24" | 900 | 175 | 17 | REFER TO REFLECTED CEILING PLAN | 4-WAY BLOW DIFFUSERS, UNLESS INDICATED OTHERWISE ON DRAWINGS. |
| J | SQUARE PLAQUE CEILING DIFFUSER | TITUS OMNI | 8" | 24"x24" | 900 | 300 | 20 | REFER TO REFLECTED CEILING PLAN | 4-WAY BLOW DIFFUSERS, UNLESS INDICATED OTHERWISE ON DRAWINGS. |
| K | SQUARE PLAQUE CEILING DIFFUSER | TITUS OMNI | 10" | 24"x24" | 800 | 425 | 20 | REFER TO REFLECTED CEILING PLAN | 4-WAY BLOW DIFFUSERS, UNLESS INDICATED OTHERWISE ON DRAWINGS. |
| L | SQUARE PLAQUE CEILING DIFFUSER | TITUS OMNI | 12" | 24"x24" | 800 | 625 | 23 | REFER TO REFLECTED CEILING PLAN | 4-WAY BLOW DIFFUSERS, UNLESS INDICATED OTHERWISE ON DRAWINGS. |
| M | SQUARE PLAQUE CEILING DIFFUSER | TITUS OMNI | 14" | 24"x24" | 700 | 750 | 20 | REFER TO REFLECTED CEILING PLAN | 4-WAY BLOW DIFFUSERS, UNLESS INDICATED OTHERWISE ON DRAWINGS. |
| N | RETURN/AIR TRANSFER GRILLE | TITUS 355-FL | SEE FLOOR PLANS FOR SIZE | - | 500 | PER PLANS | 20 | DUCT OR SIDEWALL OR CEILING | FIXED 35(DEGREE), 1/2" SPACING DEFLECTION BLADES |
| O | HEAVY DUTY RETURN GRILLE | TITUS 33-RL | SEE FLOOR PLANS FOR SIZE | - | ———— | PER PLANS | 20 | DUCT OR SIDEWALL | FIXED 38(DEGREE), 1/2" SPACING DEFLECTION BLADES |
| P | SIDEWALL SUPPLY DIFFUSER | TITUS 300-FL | SEE FLOOR PLANS FOR SIZE | - | 300 | PER PLANS | 20 | DUCT OR SIDEWALL | DOUBLE DEFLECTION, ADJUSTABLE BLADES 1/2" FRONT SPACING, 3/4" REAR SPACING |
| Q | HEAVY DUTY SUPPLY DIFFUSER | TITUS 300RL-HD | SEE FLOOR PLANS FOR SIZE | - | 400 | PER PLANS | 20 | DUCT OR SIDEWALL | DOUBLE DEFLECTION, ADJUSTABLE BLADES 1/2" FRONT SPACING, 3/4" REAR SPACING |
| R | LINEAR SLOT DIFFUSER | TITUS FL-20-HT | SEE FLOOR PLANS FOR SIZE | 2-SLOT X 48"L | ———— | PER PLANS | 20 | REFER TO REFLECTED CEILING PLAN | HIGH THROW WITH INSULATED PLENUM 2-2" SLOT WITH DIA." INLET |
| S | LINEAR SLOT DIFFUSER | TITUS FL-10-JT | SEE FLOOR PLANS FOR SIZE | 1-SLOT X 48"L | ———— | PER PLANS | 20 | REFER TO REFLECTED CEILING PLAN | JET THROW WITH INSULATED PLENUM 1-1" SLOT WITH DIA." INLET |
| T | SUPPLY DIFFUSER | TITUS 300-FS | SEE FLOOR PLANS FOR SIZE | - | 450 | PER PLANS | 25 | DUCT OR SIDEWALL | DOUBLE DEFLECTION, ADJUSTABLE BLADES 1/2" FRONT SPACING, 3/4" REAR SPACING |
| U | LINEAR SLOT DIFFUSER | TITUS FL-15-JT | SEE FLOOR PLANS FOR SIZE | 1-SLOT X 48"L | ———— | PER PLANS | 20 | REFER TO REFLECTED CEILING PLAN | JET THROW WITH INSULATED PLENUM 1-1.5" SLOT WITH DIA." INLET |
| V | SPIRAL SUPPLY DUCT GRILLE | TITUS S300-FL | SEE FLOOR PLANS FOR SIZE | - | 450 | PER PLANS | 20 | DUCT | DOUBLE DEFLECTION, ADJUSTABLE BLADES 3/4" SPACING, AIR SCOOP DEVICE |
| W | ROUND SUPPLY DIFFUSER | AIR CONCEPTS RDDW & RDDW-RD | SEE FLOOR PLANS FOR SIZE | - | 550 | PER PLANS | 15 | CEILING AND DUCT | ADJUSTABLE DOUBLE DEFLECTION VERTICAL AND HORIZONTAL |
| X | LINEAR SLOT DIFFUSER | TITUS FL-10-HT | SEE FLOOR PLANS FOR SIZE | 2-SLOT X 48"L | ———— | PER PLANS | 20 | REFER TO REFLECTED CEILING PLAN | HIGH THROW WITH INSULATED PLENUM 2-1.0" SLOT WITH DIA." INLET |
| Y | FLOOR LINEAR BAR GRILLE | TITUS CT-481 | SEE FLOOR PLANS FOR SIZE | - | ———— | PER PLANS | 15 | HEAVY DUTY FLOOR | HEAVY DUTY FLOOR FRAME AND CORE 1/4" SPACING, 1/8" FIXED BARS |

## VARIABLE FREQUENCY MOTOR CONTROLLER SCHEDULE

| MARK | HP | ELEC SERV | MARK SERVING | EQUIPMENT SERVING | NOTES |
|---|---|---|---|---|---|
| VFC-101 | (1) 7.5 | 460/3 | HWP-2A | HEATING WATER PUMP | 1,2,3,4 |
| VFC-102 | (1) 7.5 | 460/3 | HWP-2B | HEATING WATER PUMP | 1,2,3,4 |
| VFC-103 | (2) 5.0 | 460/3 | AHU-101 | SUPPLY FAN(S) | 1,2,3,4 |
| | | | | | |
| VFC-201 | (1) 7.5 | 460/3 | AHU-201 | SUPPLY FAN(S) | 1,2,3,4 |
| VFC-202 | (1) 7.5 | 460/3 | AHU-202 | SUPPLY FAN(S) | 1,2,3,4 |

NOTES

1. DRIVE PROVIDED AND INSTALLED BY THE DIVISION 23 - HVAC CONTRACTOR.
2. DIVISION 26 - ELECTRICAL CONTRACTOR TO PROVIDE POWER WIRING TO VFC AND FROM VFC TO MOTOR(S).
3. TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE ALL TEMPERATURE CONTROL WIRING.
4. REFER TO SPECIFICATION SECTION 232923.

## ROOFTOP VENTILATOR/INTAKE HOOD SCHEDULE

| MARK | THROAT LENGTH | THROAT WIDTH | BACKDRAFT DAMPER | RELIEF CONTROL DAMPER | CFM | DRIP PAN | MODEL |
|---|---|---|---|---|---|---|---|
| RTV-201 | 48" | 24" | NO | NO | 6,500 | NO | FABRA HOOD - FGI |
| | | | | | | | |
| RTV-401 | 8" | 8" | YES | NO | 150 | NO | FABRA HOOD - FGR |
| | | | | | | | |

GENERAL NOTES

1. REFER TO SPECIFICATION SECTION 233723.
2. HOODS SCHEDULED ARE AS MANUFACTURED BY GREENHECK.
3. HOODS TO BE MOUNTED ON MINIMUM 12" (RTV-401) AND 24" (RTV-201) HIGH ROOF CURB.
4. CURB DETAILS (DRW.) TO BE SELECTED BY THE ARCHITECT/ENGINEER.
5. TEMPERATURE CONTROL CONTRACTOR TO PROVIDE RELIEF CONTROL DAMPER FOR ALL ROOFTOP VENTILATORS UNLESS NOTED OTHERWISE.

## AHU/ACCU MAXIMUM ALLOWABLE SOUND LEVELS

| MARK | UNIT SOUND | 63Hz | 125Hz | 250Hz | 500Hz | 1KHz | 2KHz | 4KHz | 8KHz |
|---|---|---|---|---|---|---|---|---|---|
| AHU-101 | UNIT SUPPLY DISCHARGE | 76 | 75 | 75 | 82 | 83 | 79 | 84 | 81 |
| AHU-201 | UNIT SUPPLY DISCHARGE | 97 | 96 | 91 | 92 | 86 | 83 | 78 | 76 |
| AHU-202 | UNIT SUPPLY DISCHARGE | 95 | 94 | 89 | 90 | 84 | 81 | 76 | 74 |
| | | | | | | | | | |
| BCU-101 | UNIT SUPPLY DISCHARGE | 90 | 87 | 75 | 72 | 67 | 63 | 60 | 55 |
| BCU-201 | UNIT SUPPLY DISCHARGE | 90 | 82 | 74 | 72 | 67 | 63 | 60 | 55 |
| | | | | | | | | | |

## AIR-COOLED CONDENSING UNIT SCHEDULE

| MARK | MBH | NOMINAL TONS | SUCTION TEMP | AMBIENT TEMP | EER | MCA/MOP | SERVICE | MODEL | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| ACCU-201 | 444.75 | 40 | 45 | 95 | 11.3 | 80.6/90 | 460/3 | RCS040D | 1,3,4,5,8,11,13,14,15 |
| ACCU-202 | 384.22 | 35 | 45 | 95 | 11.3 | 72.1/80 | 460/3 | RCS035D | 1,3,4,5,8,11,13,14,15 |
| ACCU-203A | 120.00 | 10 | 45 | 95 | 11.2 | 22.0/35 | 460/3 | DX14XA1204A* | 1,2,4,5,6,8,9,14 |
| ACCU-203B | 120.00 | 10 | 45 | 95 | 11.2 | 22.0/35 | 460/3 | DX14XA1204A* | 1,2,4,5,6,8,9,14 |
| ACCU-204 | 56.50 | 5.0 | 45 | 95 | 11.0 | 10.6/15 | 460/3 | DX135A0604 | 1,2,4,5,6,8,10,14 |
| ACCU-205 | 56.50 | 5.0 | 45 | 95 | 11.0 | 10.6/15 | 460/3 | DX135A0604 | 1,2,4,5,6,8,10,14 |
| ACCU-206 | 46.0 | 4.0 | 45 | 95 | 11.0 | 8.4/15 | 460/3 | DX13SA0484 | 1,2,4,5,6,8,10,14 |
| ACCU-207 | 46.0 | 4.0 | 45 | 95 | 11.0 | 8.4/15 | 460/3 | DX13SA0484 | 1,2,4,5,6,8,10,14 |
| ACCU-208 | 46.0 | 4.0 | 45 | 95 | 11.0 | 8.4/15 | 460/3 | DX13SA0484 | 1,2,4,5,6,8,10,14 |
| | | | | | | | | | |
| ACCU-401 | 36.7-56.5 | 5.0 | 45 | 95 | 12.0 | 34.8/50.0 | 208/60/1 | DX7TCA601A* | 1,2,4,5,6,8,9,14 |
| ACCU-402 | 36.7-56.5 | 5.0 | 45 | 95 | 12.0 | 34.8/50.0 | 208/60/1 | DX7TCA601A* | 1,2,4,5,6,8,9,14 |

NOTES:

1. REFER TO PROJECT MANUAL SECTION 236200.
2. DISCONNECT BY DIVISION 26-ELECTRICAL.
3. DISCONNECT FACTORY MOUNTED.
4. INCLUDE THE FOLLOWING ACCESSORIES, HIGH AMBIENT UNLOADER PRESSURESTAT, PROTECTIVE COIL HAIL GUARDS, PHASE LOSS/VOLTAGE PROTECTION, STANDARD AMBIENT CONTROL.
5. DESIGNED WITH R-410A REFRIGERANT, OTHER MANUFACTURERS REFRIGERANTS WILL BE ACCEPTABLE.
6. UNIT MOUNTED ON ROOF WITH EQUIPMENT RAILS AND ISOLATORS.
7. UNIT MOUNTED ON CONCRETE HOUSEKEEPING PAD AND ISOLATORS.
8. UNIT SCHEDULED AS MANUFACTURED BY DAIKIN.
9. UNIT PROVIDED WITH 2-STAGE COOLING CAPACITY.
10. UNIT PROVIDED WITH 1-STAGE COOLING CAPACITY.
11. UNIT PROVIDED WITH 4 COMPRESSORS, DIGITAL SCROLL AND FIXED SCROLL.
12. UNIT PROVIDED WITH DIGITAL SCREEN CONTROLLER AND FIXED SCROLL COMPRESSOR.
13. UNIT PROVIDED WITH FIELD POWERED GFI RECEPTACLE.
14. INSTALL REFRIGERANT PIPING SIZES AND QUANTITIES PER MANUFACTURERS REQUIREMENTS.
15. UNIT MOUNTED ON STRUCTURAL STEEL SUPPORT FRAME WITH VIBRATION ISOLATORS. PROVIDE SUPPLEMENTAL STEEL AS REQUIRED. COORDINATE EXACT UNIT SIZE WITH ALL TRADES.

## INDOOR FURNACE SCHEDULE

| MARK | FANS | | | | | COILS | | | | | | SEER | FURNACE MODEL NUMBER | EVAPORATOR MODEL NUMBER | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SUPPLY | | | | | DX COOLING COIL | | NATURAL GAS HEATING | | | | | | | |
| | CFM | MIN. O.A. | EXT. S.P. | ELEC. | MCA/MOP | EAT | COOLING LOAD TOTAL MBH | EAT | INPUT MBH | OUTPUT MBH | AFUE % | AIR TEMPATURE RISE | | | |
| FRN-401 | 2,000 | 0 | 0.75 | 115/60/1 | 13.9/20.0 | 80.0 / 67.0 | 36.7-56.5 | 60 | 84.0-120.0 | 80.7-115.3 | 96 | 35-65 | 15.2 | DC96VC1205DNA | CAPF4961D6D | 1,2,3,4,6,7,8,9 |
| FRN-402 | 2,000 | 0 | 0.75 | 115/60/1 | 13.9/20.0 | 80.0 / 67.0 | 36.7-56.5 | 60 | 84.0-120.0 | 80.7-115.3 | 96 | 35-65 | 15.2 | DM96VC1205DNA | CAPF4961D6D | 1,2,3,4,5,6,7,8 |

NOTES

1. REFER TO PROJECT MANUAL SECTION 238120.
2. UNITS SCHEDULED ARE AS MANUFACTURED BY DAIKIN.
3. VARIABLE SPEED, ECM SUPPLY FAN MOTOR.
4. FILTER BOX AND FILTER. FILTER MERV 15.
5. UNIT MOUNTED VERTICAL ON 3-1/2" CONCRETE HOUSEKEEPING PAD AND RUBBER ISOLATION PADS.
6. TWO STAGE GAS VALVE.
7. TWO STAGE COOLING.
8. DISCONNECT BY DIV. 26 ELECTRICAL CONTRACTOR.
9. VERTICAL DOWNFLOW UNIT MOUNTED ON PLENUM BOX PER MANUFACTURERS REQUIREMENTS.

DESIGN CRITERIA
SUMMER OUTDOOR: 90.0/74.0
WINTER OUTDOOR: 0.0
SUMMER INDOOR: 75°
WINTER INDOOR: 70°

## UNIT VENTILATOR SCHEDULE

| MARK | CFM | EXT. S.P. | OA CFM | HEATING EWT 180° | | | | | | DX COOLING | | | | | | ELECTRIC | | MOTOR SPEED | MODEL NO. | NOTES: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | MBH | EAT | LAT | GPM | WPD | WTD | TOTAL MBH | SENS. MBH | EAT | | LAT | | HP | SERV. | | | |
| | | | | | | | | | | | | DB | WB | DB | WB | | | | | |
| UV-201 | 1660 | 0.01 | 0 | 49.05 | 68.0 | 95.2 | 2.1 | 0.78 | 46.7 | 65.97 | 49.47 | 80.0 | 67.0 | 52.5 | 52.5 | 0.75 | 277/1 | 83% | UAHR9V20 | 1,2,3,4,5,6,7,8,9,10,11,12,13 |
| UV-202 | 1660 | 0.01 | 0 | 49.05 | 68.0 | 95.2 | 2.1 | 0.78 | 46.7 | 65.97 | 49.47 | 80.0 | 67.0 | 52.5 | 52.5 | 0.75 | 277/1 | 83% | UAHR9V20 | 1,2,3,4,5,6,7,8,9,10,11,12,13 |
| UV-203 | 1250 | 0.01 | 0 | 43.99 | 68.0 | 100.4 | 2.0 | 0.64 | 44.0 | 43.42 | 32.56 | 80.0 | 67.0 | 56.0 | 55.7 | 0.33 | 277/1 | 100% | UAHR9V13 | 1,2,3,4,5,6,7,8,9,10,11,12,13 |

NOTES

1. HEATING COIL TO BE IN THE RE-HEAT POSITION.
2. STANDARD COLOR TO BE SELECTED BY ARCHITECT/ENGINEER.
3. UNITS SCHEDULE ARE AS MANUFACTURED BY THE DAIKIN.
4. UNIT SHALL INCLUDE BOTTOM DISCHARGE AND BOTTOM RETURN.
5. UNIT TO BE HORIZONTAL CEILING RECESSED UNIT.
6. COOLING COIL TO BE DX INTERTWINED REFRIGERANT COIL.
7. UNIT TO BE INCLUDED WITHOUT RETURN AIR AND WITHOUT OUTSIDE AIR CONTROL DAMPERS.
8. REFER TO PROJECT MANUAL SECTION 238223.
9. ECM SUPPLY FAN MOTOR(S).
10. INCLUDE FACTORY MOUNTED DISCONNECT SWITCH.
11. INCLUDE UNIT WITH MERV 13 FILTERS.
12. CONTRACTOR TO PROVIDE REMOTE PLENUM RATED CONDENSATE PUMP. 115/1 VOLTAGE
13. SUPPORT FROM STRUCTURE ABOVE. INCLUDE VIBRATION ISOLATORS.

## BLOWER COIL UNIT SCHEDULE

| MARK | CFM | EXT. S.P. | TOTAL S.P. | MIN. OA CFM | HEATING EWT 180° | | | | | | DX COOLING | | | | | | COIL FACE VELOCITY FT/MIN. | ELECTRIC | | MOTOR SPEED RPM | MODEL NO. | NOTES: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MBH | EAT | LAT | GPM | WPD | WTD | TOTAL MBH | SENS. MBH | EAT | | LAT | | | HP | SERV. | | | |
| | | | | | | | | | | | | | DB | WB | DB | WB | | | | | | |
| BCU-101 | 1,100 | 0.625 | 1.72 | 440 | 67.45 | 40.8 | 96.9 | 2.0 | 1.75 | 67.4 | 41.85 | 31.29 | 81.0 | 66.7 | 55.0 | 54.3 | 452.6 | (1) 3/4 | 277/1 | 1,497 | BCHD0121 | 1,2,3,4,5,6,7,8,9,10,11,13 |
| | | | | | | | | | | | | | | | | | | | | | | |
| BCU-201 | 1,300 | 0.625 | 1.59 | 325 | 59.49 | 51.0 | 92.9 | 3.0 | 3.02 | 40.1 | 50.81 | 36.46 | 78.8 | 65.7 | 53.1 | 52.6 | 405.2 | (2) 3/4 | 277/1 | 1,286 | BCHD0161 | 1,2,3,4,5,6,7,8,10,11,12,13 |

NOTES

1. UNITS SCHEDULED ARE MANUFACTURED BY DAIKIN.
2. HEATING COIL TO BE IN THE RE-HEAT POSITION.
3. REFER TO SPECIFICATIONS SECTION 238220.
4. COOLING COIL SHALL BE DX INTERTWINED REFRIGERANT COIL.
5. INCLUDE FACTORY MOUNTED DISCONNECTS.
6. UNITS PROVIDED WITH MERV 13 FILTER
7. UNIT PROVIDED WITH DISCHARGE AIR PLENUM BOX. CONTRACTOR TO FIELD CUT SUPPLY DUCT OPENING(S).
8. ECM SUPPLY FAN MOTOR(S) WITH LOW VOLTAGE PROPORTIONAL CONTROL.
9. SUPPORT FROM STRUCTURE ABOVE. INCLUDE VIBRATION ISOLATORS.
10. UNIT SIDE FILTER ACCESS.
11. STAINLESS STEEL DRAIN PAN WITH OVERFLOW SWITCH.
12. SUPPORT UNIT FROM EXISTING FLOOR. INCLUDE VIBRATION ISOLATORS.
13. UNIT PROVIDED WITH MIXING BOX WITH RETURN AIR AND OUTSIDE AIR CONTROL DAMPERS.

DESIGN CRITERIA
SUMMER OUTDOOR: 90.0/74.0
WINTER OUTDOOR: 0.0
SUMMER INDOOR: 74°
WINTER INDOOR: 72°

## HEATING/COOLING PLANT EQUIPMENT SCHEDULE

| EQUIPMENT MARK | TOTAL REQUIRED | DESCRIPTION | ELECTRICAL | NOTES |
|---|---|---|---|---|
| BLR-1 (NEW)<br>BLR-2 (NEW)<br>BLR-3 (EXST)<br>BLR-4 (EXST)<br>BLR-5 (EXST) | 5 | HIGH-EFFICIENT CONDENSING HEATING WATER BOILER, NATURAL GAS, 600 MBH INPUT, 496.94 MBH OUTPUT, LOW NOx BELOW 30 PPM ALL FIRING RATES. FM COMPLIANT GAS TRAIN, 3"-14" WC, 150°F EWT, 180°F LWT, 15.0 GPM MAXIMUM WATER FLOW. 105.0 GPM, MAXIMUM WATER FLOW. 30.0 GPM DESIGN FLOW RATE. ANY VARIATION DUE TO MANUFACTURER'S EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. CONTROL PANEL PROVIDED BY UNIT MANUFACTURER. LOCHINVAR FTX600 | SINGLE POINT POWER CONNECTION. 115/1, FLA; <12 AMPS. UNIT MFR SHALL INCLUDE CONTROL VOLTAGE TRANSFORMER. DISCONNECT BY DIVISION 26. | 1,8 |
| HWP-1A (NEW)<br>HWP-1B (NEW)<br>HWP-1C (NEW)<br>HWP-1D (NEW)<br>HWP-1E (NEW) | 5 | 3-SPEED IN-LINE CENTRIFUGAL BOILER PRIMARY HEATING WATER CIRCULATING PUMP. GRUNDFOS MODEL UPS 50-60F. MAXIMUM 24 GPM AT 21.33' HEAD. 30.0 GPM DESIGN FLOW RATE. 385 WATT. 115/1/60 VOLTAGE. | SINGLE POINT POWER CONNECTION. 115/1. PUMP DISCONNECT BY DIVISION 26. | 2 |
| HWP-2A<br>HWP-2B | 2 | BASE-MOUNTED CENTRIFUGAL HEATING WATER CIRCULATING PUMP, LEAD/LAG OPERATION. VFC OPERATION. TOTAL 140 GPM, 70' HEAD, 7.5 HP, NPSH-3.83', 1800 RPM, 460/3/60. B & G MODEL e-1510 2BD. | SINGLE POINT POWER CONNECTION. 460/3. WIRING BETWEEN PUMP AND VFC BY DIVISION 26. | 1,2,6 |
| ADS-1 | 1 | HEATING WATER SYSTEM STANDARD VELOCITY 4" AIR/DIRT SEPARATOR WITH MAGNET, 140 GPM CAPACITY AT 1.0" WPD. | ———— | 3,4 |
| ET-1 | 1 | A.S.M.E. HEATING WATER SYSTEM BLADDER TYPE EXPANSION TANK, 80.0 GALLONS. 24" DIAMETER x 55" HEIGHT. | ———— | 1,3 |
| CF-1 | 1 | HEATING WATER CHEMICAL SHOT FEEDER, 5.0 GALLON CAPACITY | ———— | 1,5,7 |

NOTES

1. MOUNT ON 3-1/2" CONCRETE HOUSEKEEPING PAD
2. REFER TO PROJECT MANUAL SECTION 232123.
3. REFER TO PROJECT MANUAL SECTION 232113.
4. SUPPORT FROM STRUCTURE ABOVE.
5. INCLUDE LEG SUPPORT.
6. PUMP CONTROLLED BY VARIABLE FREQUENCY CONTROLLER.
7. REFER TO PROJECT MANUAL SECTION 232500.
8. REFER TO PROJECT MANUAL SECTION 235216.



# 222154.02
# CARMEL STADIUM GRAND STAND RENOVATION PROJECT

2390 E. SMOKY ROW (HOME SIDE)
2450 E. SMOKY ROW (VISITOR SIDE)
CARMEL, IN 46032

**CARMEL CLAY SCHOOLS**
5201 E Main Street, Carmel, IN 46033
317-844-9961

ARCHITECT
FANNING HOWEY
317-848-0966 WWW.FHAI.COM

BUILDING "A"
A B
SOUTH SUPPORT BUILDING
BUILDING "B"
GREYHOUND ACTIVITIES CENTER
PLAN NORTH

KEY PLAN

CONSTRUCTION DOCUMENTS

MARK Z. HOSE REGISTERED No. PE 12000301 STATE OF INDIANA PROFESSIONAL ENGINEER

DRAWN BY: DRV
PROJECT NUMBER: 222154.02
PROJECT ISSUE DATE: 7-26-2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDENDUM #2 | 8-22-24 |
| 2 | ADDENDUM #3 | 8-29-24 |

MECHANICAL SCHEDULES

M5.01

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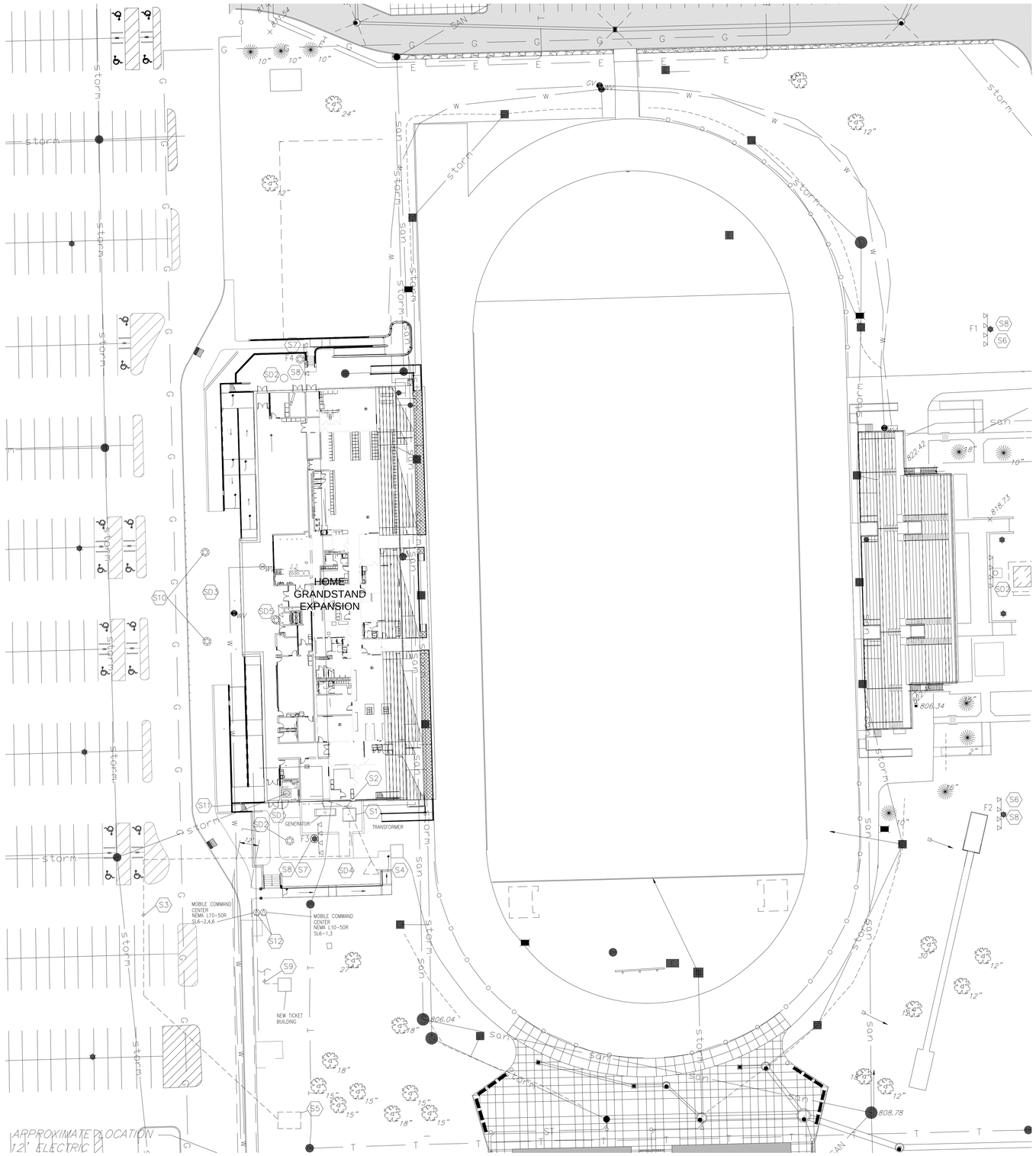



ELECTRICAL SITE PLAN

1" = 30'-0"

## PLAN NOTES:

S1 UTILITY TRANSFORMER AND METER. COORDINATE EXACT LOCATION AND CT CABINET REQUIREMENTS WITH DUKE ENERGY. PROVIDE PAD FOR TRANSFORMER PER DUKE REQUIREMENTS.

S2 SECONDARY FEEDERS TO PANEL DH1. REFER TO E7.01 FOR ADDITIONAL INFORMATION.

S3 ANTICIPATED ROUTING OF UTILITY PRIMARY.

S4 GROUNDING TRIANGLE LOCATION. REFER TO SHEET E1.02 FOR ADDITIONAL REQUIREMENTS.

S5 CONNECT NEW UTILITY PRIMARY TO DUKE BOX AT THIS LOCATION. COORDINATE REQUIREMENTS WITH DUKE ENERGY.

S6 SPORTS FIELD LIGHT POLE TO REMAIN. REMOVE EXISTING SPORTS LIGHTING AND PROVIDE NEW MUSCO LIGHTING AND CONTROLS.

S7 NEW LOCATION OF EXISTING SPORTS FIELD LIGHTING POLE. PROVIDE A NEW 60AMP, 3-POLE CIRCUIT BREAKER IN THE EXISTING PANELBOARD AND WIRE WITH 4#6, 1#10, RUN IN THE EXISTING CONDUITS BACK TO PANELBOARD. WIRE THE EMERGENCY LIGHT FIXTURES TO THE EXISTING EMERGENCY CIRCUIT AT THIS LOCATION.

S8 PROVIDE NEW LIGHT FIXTURES ON THE EXISTING POLES AND WIRE TO THE EXISTING PANELBOARD THAT FED THE EXISTING SPORTSFIELD LIGHTING. PROVIDE A NEW 60AMP, 3-POLE CIRCUIT BREAKER IN THE EXISTING PANELBOARD AND WIRE WITH 4#6, 1#10, RUN IN THE EXISTING CONDUITS BACK TO PANELBOARD. WIRE THE EMERGENCY LIGHT FIXTURES TO THE EXISTING EMERGENCY CIRCUIT AT THIS LOCATION

S9 WIRE THE 100AMP PANELBOARD IN THE NEW TICKET BOOTH TO A SPARE 150AMP BREAKER IN EXISTING SWITCH BOARD SLDP. WIRE WITH ½, ⅞, 1.5"C.

S10 NEW LOCATION OF EXISTING SITE LIGHTING POLES AND FIXTURES. WIRE BACK TO EXISTING SITE LIGHTING POLES THAT ARE TO REMAIN IN PLACE.

S11 STUB A 2-INCH CONDUIT OUT OF THE BUILDING BELOW GRADE FOR THE FUTURE VIDEO BOARD POWER. RUN CONDUIT FROM ROOM A114, TO A GRASS AREA SOUTH OF RAMP.

S12 MOUNT RECEPTACLES ON A TREATED 4"X4" TREATED WOOD POST. VERIFY EXACT LOCATION IN THE FIELD PRIOR TO ROUGH-IN.

SD1 DISCONNECT EXISTING UTILITY TRANSFORMER AND EXISTING GENERATOR AT THIS LOCATION. REMOVED GENERATOR AND CIRCUITS BACK TO SOURCE. COORDINATE WITH DUKE ENERGY TO REMOVE THE UTILITY TRANSFORMER AND CONDUIT AND WIRE BACK TO SPLICE BOX TO THE SOUTH. REMOVE ALL EQUIPMENT WITHIN THE NEW ADDITION ENVELOPE.

SD2 REMOVE EXISTING SPORTS FIELD LIGHTING AND POLE.

SD3 REMOVE ALL ELECTRICAL TO THE EXISTING TICKET BOOTH BACK TO SOURCE.

SD4 INTERCEPT SITE ELECTRICAL CIRCUITS IN AN OPEN AREA TO REROUTE THE CIRCUITS TO THE APPROPRIATE LOCATIONS IN THE EXISTING BUILDING AND NEW ADDITIONS. COORDINATE APPROVED LOCATIONS ON THE SITE FOR SPLICE BOXES WITH THE ARCHITECT AND OTHER TRADES.

SD5 EXISTING SPORTS FIELD LIGHTING POLE AT THIS LOCATION IS TO BE RELOCATED TO THE "F3" LOCATION.

# 222154.00 CARMEL HIGH SCHOOL STADIUM GRANDSTAND RENOVATION PROJECT

2390 E. SMOKY ROW (HOME SIDE)
2450 E. SMOKY ROW (VISITOR SIDE)
CARMEL, IN 46032, Carmel, IN 46032

**Carmel Clay Schools**

ARCHITECT

FANNING HOWEY

WWW.FHAI.COM

CONSULTANT

KEY PLAN


100% CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER
REGISTERED
No.
PE 11800305
STATE OF
INDIANA
PROFESSIONAL ENGINEER

DRAWN BY: RDR

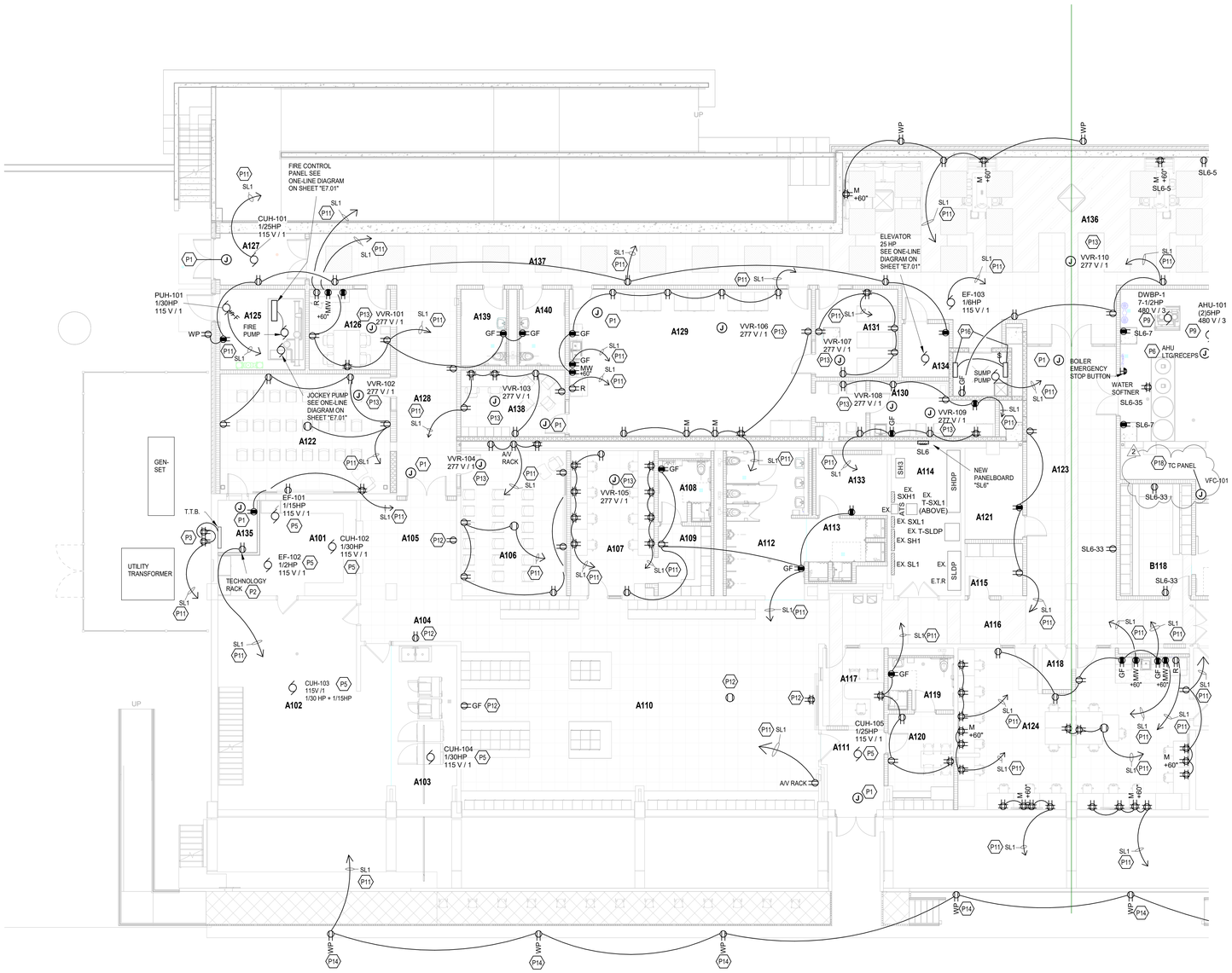
PROJECT NUMBER: 222154

PROJECT ISSUE DATE: 08-13-2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDENDUM #2 | 08-23-2024 |
| 2 | ADDENDUM #3 | 08-30-2024 |

ELECTRICAL SITE PLAN

**E2.01**




## FIRST FLOOR POWER PLAN BUILDING A- UNIT A

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

### ROOM LEGEND - FIRST FLOOR UNIT A

| ROOM NO. | ROOM NAME | AREA (SF) |
|---|---|---|
| A101 | EQUIPMENT | 256 SF |
| A102 | EQUIPMENT | 806 SF |
| A103 | LAUNDRY | 247 SF |
| A104 | VESTIBULE | 78 SF |
| A105 | HALLWAY | 237 SF |
| A106 | CLASSROOM | 358 SF |
| A107 | COACHES OFFICE | 277 SF |
| A108 | RESTROOM | 74 SF |
| A109 | LOCKERS | 88 SF |
| A110 | LOCKER ROOM | 1749 SF |
| A111 | VESTIBULE | 111 SF |
| A112 | BOYS | 270 SF |
| A113 | SHOWERS | 96 SF |
| A114 | ELECTRICAL | 239 SF |
| A115 | CHANGING ROOM | 71 SF |
| A116 | CORRIDOR | 528 SF |
| A117 | OFFICE | 111 SF |
| A118 | STORAGE | 29 SF |
| A119 | WOMEN | 78 SF |
| A120 | WOMENS/ OFFICIALS | 124 SF |
| A121 | STORAGE | 122 SF |
| A122 | CLASSROOM | 477 SF |
| A123 | CORRIDOR/ HALLWAY | 528 SF |
| A124 | COACHES | 809 SF |
| A125 | FIRE PUMP | 160 SF |
| A126 | WOMEN'S OFFICIALS/ MANAGERS | 153 SF |
| A127 | VESTIBULE | 103 SF |
| A128 | CORRIDOR | 296 SF |
| A129 | TRAINING | 895 SF |
| A130 | CLINIC | 142 SF |
| A131 | RECOVERY | 163 SF |

### ROOM LEGEND - FIRST FLOOR UNIT A

| ROOM NO. | ROOM NAME | AREA (SF) |
|---|---|---|
| A133 | STORAGE | 102 SF |
| A134 | ELEV. EQPT. | 59 SF |
| A135 | IT/DATA CLOSET | 48 SF |
| A136 | STUDENT COMMONS | 796 SF |
| A137 | HALLWAY | 1507 SF |
| A138 | OFFICE | 163 SF |
| A139 | RESTROOM | 82 SF |
| A140 | RESTROOM | 82 SF |

## GENERAL NOTES - POWER

1. 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.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
4. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.
5. PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED DEVICE.
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.
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.
10. ALL EXISTING RECEPTACLES INSIDE AND OUTSIDE OF THE BUILDING THAT ARE TO REMAIN ARE TO BE REPLACED WITH NEW DEVICES AND COVER PLATES, AND WIRE BACK TO EXISTING CONDUCTORS.

### KEYNOTES

| | |
|---|---|
| P1 | SECURITY JUNCTION BOX MOUNTED ABOVE THE CEILING FOR THE DOOR SECURITY DEVICES. WIRE TO NEAREST DUPLEX RECEPTACLE CIRCUIT IN THIS ROOM. |
| P2 | TECHNOLOGY RACK (IDF) RECEPTACLES. COORDINATE MOUNTING LOCATION AND INSTALLATION REQUIREMENTS WITH THE TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE #10 CONDUCTORS. |
| P3 | TECHNOLOGY RACK T.T.B. BOARD RECEPTACLES. REFER TO DETAIL "4/E1.02" FOR MOUNTING LOCATIONS AND INSTALLATION REQUIREMENTS. PROVIDE #10 CONDUCTORS. |
| P5 | WIRE NEW MECHANICAL UNIT TO EXISTING CIRCUIT FROM MECHANICAL UNIT THAT WAS REMOVED. |
| P6 | WIRE AHU LIGHTS AND RECEPTACLES TO THE EXISTING RECEPTACLE CIRCUIT IN THIS ROOM. |
| P9 | WIRE NEW MECHANICAL UNIT TO A NEW 20 AMP, 3-POLE CIRCUIT BREAKER IN THE NEARES 277/480V PANELBOARD WITH SPARE CAPACITY. |
| P11 | WIRE TO A SPARE 20 AMP, 1-POLE CIRCUIT BREAKER IN THE EXISTING DESIGNATED PANELBOARD. |
| P12 | WIRE NEW DUPLEX RECEPTACLE TO THE EXISTING DUPLEX RECEPTACLE CIRCUIT IN THIS ROOM. |
| P13 | WIRE THE NEW VVR MECHANICAL UNITS TOGETHER TO ONE 20/AMP, 1-POLE CIRCUIT BREAKER IN THE NEAREST 277/480V PANELBOARD WITH SPARE CAPACITY. |
| P14 | MOUNT RECEPTACLE TO THE GRANDSTAND COLUMN AT THIS LOCATION. |
| P16 | COORDINATE THE LOCATION OF THE LIGHT SWITCH AND LIGHT FIXTURES IN THE ELEVATOR PIT WITH THE ELEVATOR INSTALLER PRIOR TO ROUGH-IN. TAP THE SOURCE SIDE OF THE PIT RECEPTACLE FOR THE 120V LIGHT FIXTURES. LIGHT FIXTURES ARE TO BE 2-FOOT LONG WALL MOUNTED, WITH CLEAR PRISMATIC LENS. MANUFACTURER IS TO BE LITHONIA VSL SERIES, OR APPROVED EQUAL. |
| P18 | WIRE TO SPARE 20 AMP, 1-POLE CIRCUIT BREAKER IN EXISTING EMERGENCY PANELBOARD "SXL1". |



# 222154.00 CARMEL HIGH SCHOOL STADIUM GRANDSTAND RENOVATION PROJECT

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CARMEL, IN 46032

**CARMEL CLAY SCHOOLS**
5201 E Main Street, Carmel, IN 46033
317-844-9961

ARCHITECT
FANNING HOWEY
317.848.0966 WWW.FHAI.COM
350 E NEW YORK ST. SUITE 300, INDIANAPOLIS IN 46204

BUILDING "A"
A B
SOUTH SUPPORT BUILDING
GREYHOUND ACTIVITIES CENTER
BUILDING "B"
PLAN NORTH

KEY PLAN

100% CONSTRUCTION DOCUMENTS

BRYAN W. BUTLER REGISTERED No. PE10000 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: MKS
DRAWN BY: AMN
PROJECT NUMBER: 222154.00
PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Addendum #2 | 8-23-2024 |
| 2 | Addendum #3 | 8-30-2024 |

FIRST FLOOR POWER PLAN BUILDING A - UNIT A

# E5.01

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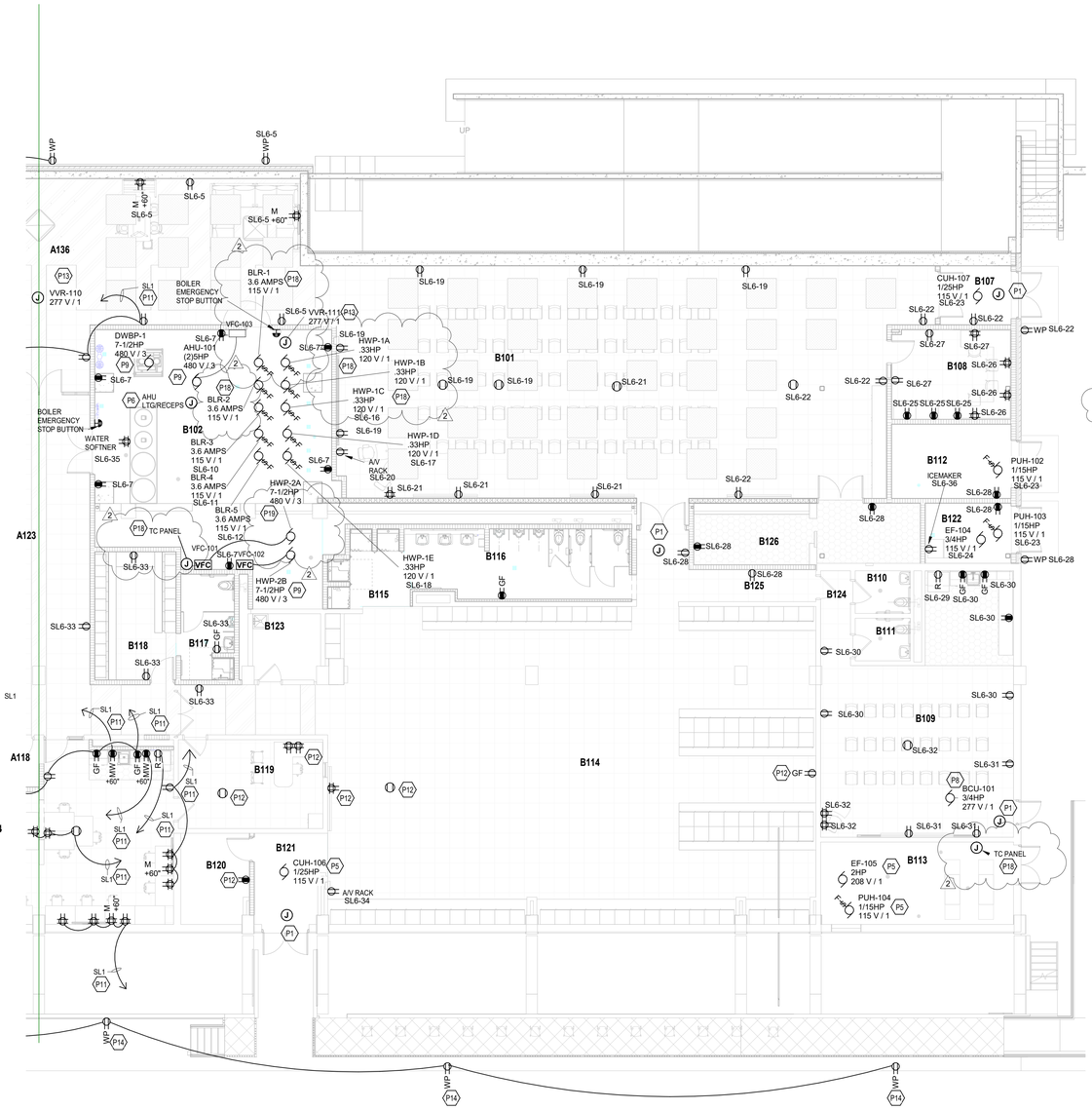
| ROOM LEGEND - FIRST FLOOR UNIT B | | |
|---|---|---|
| ROOM NO. | ROOM NAME | AREA (SF) |
| B101 | MEETING AREA | 2377 SF |
| B102 | MECHANICAL | 966 SF |
| B107 | VESTIBULE | 75 SF |
| B108 | FILM | 191 SF |
| B109 | CLASSROOM | 744 SF |
| B110 | RESTROOM | 42 SF |
| B111 | RESTROOM | 42 SF |
| B112 | EQUIP. STORAGE | 159 SF |
| B113 | MECHANICAL | 285 SF |
| B114 | LOCKER ROOM | 2752 SF |
| B115 | SHOWERS | 95 SF |
| B116 | RESTROOM | 264 SF |
| B117 | RESTROOM | 101 SF |
| B118 | COACHES' LOCKER | 187 SF |
| B119 | HEAD COACH OFFICE | 230 SF |
| B120 | STORAGE | 109 SF |
| B121 | VESTIBULE | 111 SF |
| B122 | ICE ROOM | 93 SF |
| B123 | CUSTODIAL | 79 SF |
| B124 | PASSAGE | 50 SF |
| B125 | HALLWAY | 63 SF |
| B126 | TABLE STORAGE | 105 SF |

## GENERAL NOTES - POWER

1. 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.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
4. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.
5. PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED DEVICE.
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.
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.
10. ALL EXISTING RECEPTACLES INSIDE AND OUTSIDE OF THE BUILDING THAT ARE TO REMAIN ARE TO BE REPLACED WITH NEW DEVICES AND COVER PLATES, AND WIRE BACK TO EXISTING CONDUCTORS.

| KEYNOTES | |
|---|---|
| P1 | SECURITY JUNCTION BOX MOUNTED ABOVE THE CEILING FOR THE DOOR SECURITY DEVICES. WIRE TO NEAREST DUPLEX RECEPTACLE CIRCUIT IN THIS ROOM. |
| P5 | WIRE NEW MECHANICAL UNIT TO EXISTING CIRCUIT FROM MECHANICAL UNIT THAT WAS REMOVED. |
| P6 | WIRE AHU LIGHTS AND RECEPTACLES TO THE EXISTING RECEPTACLE CIRCUIT IN THIS ROOM. |
| P8 | WIRE NEW MECHANICAL UNIT TO A SPARE 20AMP, 1-POLE CIRCUIT BREAKER IN THE NEAREST 277/480 PANELBOARD WITH SPARE CAPACITY. |
| P9 | WIRE NEW MECHANICAL UNIT TO A NEW 20 AMP, 3-POLE CIRCUIT BREAKER IN THE NEARES 277/480V PANELBOARD WITH SPARE CAPACITY. |
| P11 | WIRE TO A SPARE 20 AMP, 1-POLE CIRCUIT BREAKER IN THE EXISTING DESIGNATED PANELBOARD. |
| P12 | WIRE NEW DUPLEX RECEPTACLE TO THE EXISTING DUPLEX RECEPTACLE CIRCUIT IN THIS ROOM. |
| P13 | WIRE THE NEW VVR MECHANICAL UNITS TOGETHER TO ONE 20AMP, 1-POLE CIRCUIT BREAKER IN THE NEAREST 277/480V PANELBOARD WITH SPARE CAPACITY. |
| P14 | MOUNT RECEPTACLE TO THE GRANDSTAND COLUMN AT THIS LOCATION. |
| P18 | WIRE TO SPARE 20 AMP, 1-POLE CIRCUIT BREAKER IN EXISTING EMERGENCY PANELBOARD "SXL1". |
| P19 | WIRE NEW MECHANICAL UNIT TO A NEW SPARE 20 AMP, 3-POLE CIRCUIT BREAKER IN EXISTING EMERGENCY PANELBOARD "SXH1". |




## FIRST FLOOR POWER PLAN BUILDING A - UNIT B

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



# 222154.00 CARMEL HIGH SCHOOL STADIUM GRANDSTAND RENOVATION PROJECT

2390 E. SMOKY ROW (HOME SIDE)
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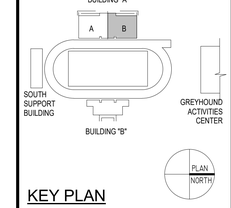
350 E NEW YORK ST. SUITE 300, INDIANAPOLIS IN 46204




KEY PLAN

100% CONSTRUCTION DOCUMENTS


PROJECT MANAGER: MKS
DRAWN BY: AMN
PROJECT NUMBER: 222154.00
PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Addendum #2 | 8-23-2024 |
| 2 | Addendum #3 | 8-30-2024 |

**FIRST FLOOR POWER PLAN BUILDING A - UNIT B**

# E5.02

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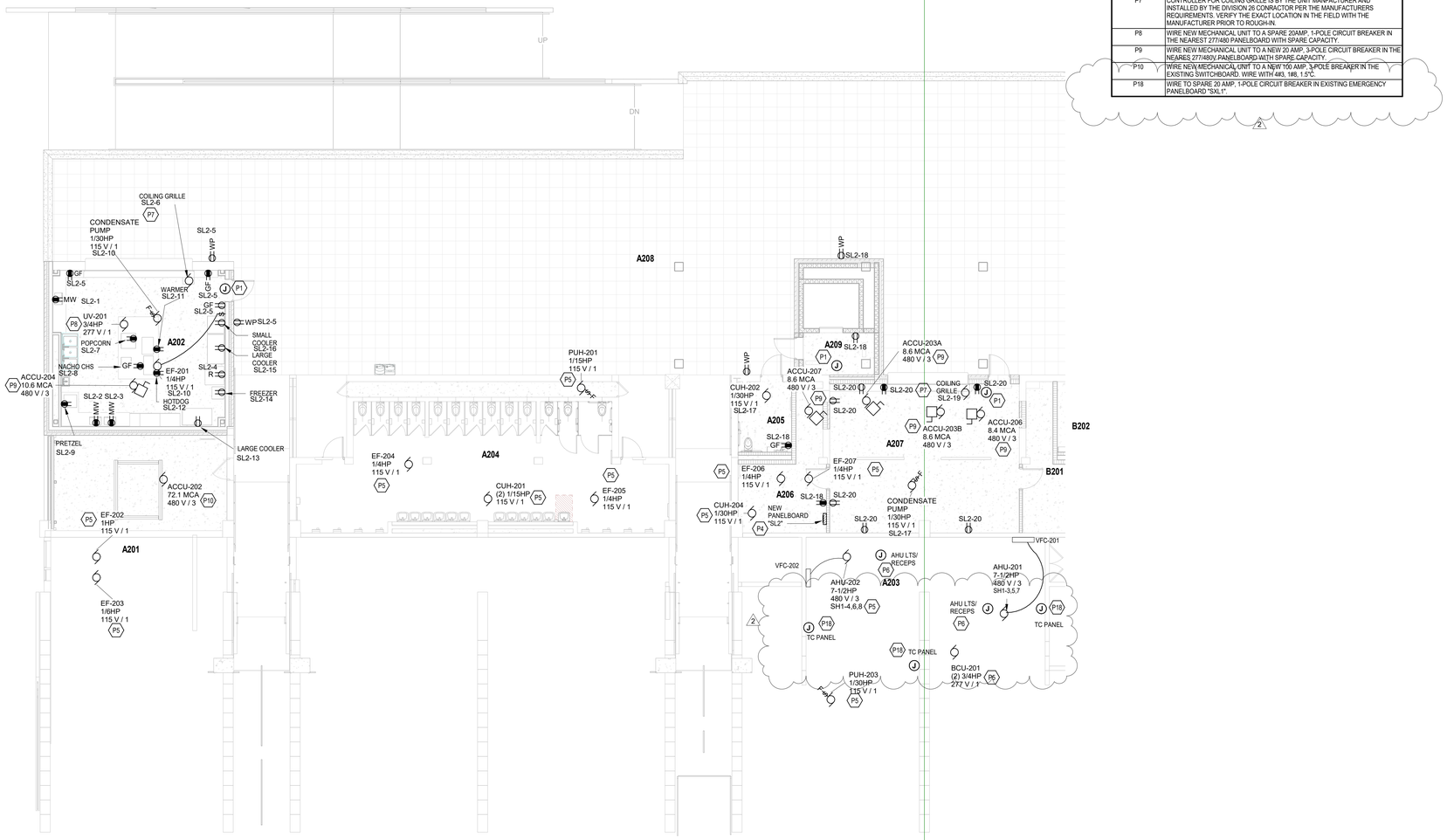
| ROOM LEGEND - SECOND FLOOR UNIT A | | |
|---|---|---|
| ROOM NO. | ROOM NAME | AREA (SF) |
| A201 | MECH. MEZZANINE | 280 SF |
| A202 | CONCESSIONS | 581 SF |
| A203 | MECHANICAL | 836 SF |
| A204 | WOMENS BATHROOM | 874 SF |
| A205 | FAMILY RESTROOM A205 | 82 SF |
| A206 | STORAGE | 180 SF |
| A207 | SPIRIT SHOP | 634 SF |
| A208 | CONCOURSE | 3943 SF |
| A209 | ELE. LOBBY | 67 SF |

## GENERAL NOTES - POWER

1. 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. U/NO.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
4. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.
5. PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED DEVICE.
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.
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.
10. ALL EXISTING RECEPTACLES INSIDE AND OUTSIDE OF THE BUILDING THAT ARE TO REMAIN ARE TO BE REPLACED WITH NEW DEVICES AND COVER PLATES, AND WIRE BACK TO EXISTING CONDUCTORS.

| KEYNOTES | |
|---|---|
| P1 | SECURITY JUNCTION BOX MOUNTED ABOVE THE CEILING FOR THE DOOR SECURITY DEVICES. WIRE TO NEAREST DUPLEX RECEPTACLE CIRCUIT IN THIS ROOM. |
| P4 | NEW PANELBOARD "SL2". EXTEND ALL EXISTING CIRCUITS THAT ARE TO BE RE-USED FROM THE OLD PANELBOARD "SL2" TO THIS LOCATION. |
| P5 | WIRE NEW MECHANICAL UNIT TO EXISTING CIRCUIT FROM MECHANICAL UNIT THAT WAS REMOVED. |
| P6 | WIRE AHU LIGHTS AND RECEPTACLES TO THE EXISTING RECEPTACLE CIRCUIT IN THIS ROOM. |
| P7 | CONTROLLER FOR COILING GRILLE IS BY THE UNIT MANFACTURER AND INSTALLED BY THE DIVISION 26 CONRACTOR PER THE MANUFACTURERS REQUIREMENTS. VERIFY THE EXACT LOCATION IN THE FIELD WITH THE MANUFACTURER PRIOR TO ROUGH-IN. |
| P8 | WIRE NEW MECHANICAL UNIT TO A SPARE 20AMP, 1-POLE CIRCUIT BREAKER IN THE NEAREST 277/480 PANELBOARD WITH SPARE CAPACITY. |
| P9 | WIRE NEW MECHANICAL UNIT TO A NEW 20 AMP, 3-POLE CIRCUIT BREAKER IN THE NEAREST 277/480V PANELBOARD WITH SPARE CAPACITY. |
| P10 | WIRE NEW MECHANICAL UNIT TO A NEW 100 AMP, 3-POLE BREAKER IN THE EXISTING SWITCHBOARD. WIRE WITH 4#3, 1#8, 1.5"C. |
| P18 | WIRE TO SPARE 20 AMP, 1-POLE CIRCUIT BREAKER IN EXISTING EMERGENCY PANELBOARD "SXL1". |




## SECOND FLOOR POWER PLAN BUILDING A - UNIT A

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

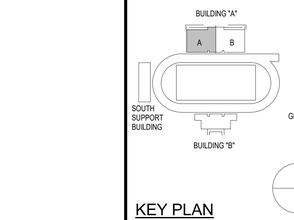


# 222154.00 CARMEL HIGH SCHOOL STADIUM GRANDSTAND RENOVATION PROJECT

2390 E. SMOKY ROW (HOME SIDE)
2450 E. SMOKY ROW (VISITOR SIDE)
CARMEL, IN 46032

**CARMEL CLAY SCHOOLS**
5201 E Main Street, Carmel, IN 46033
317-844-9961

ARCHITECT
FANNING HOWEY
317.848.0966 WWW.FHAI.COM
350 E NEW YORK ST. SUITE 300, INDIANAPOLIS IN 46204




KEY PLAN

100% CONSTRUCTION DOCUMENTS


PROJECT MANAGER: MKS
DRAWN BY: AMN
PROJECT NUMBER: 222154.00
PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Addendum #2 | 8-23-2024 |
| 2 | Addendum #3 | 8-30-2024 |

SECOND FLOOR POWER PLAN BUILDING A - UNIT A

**E5.03**

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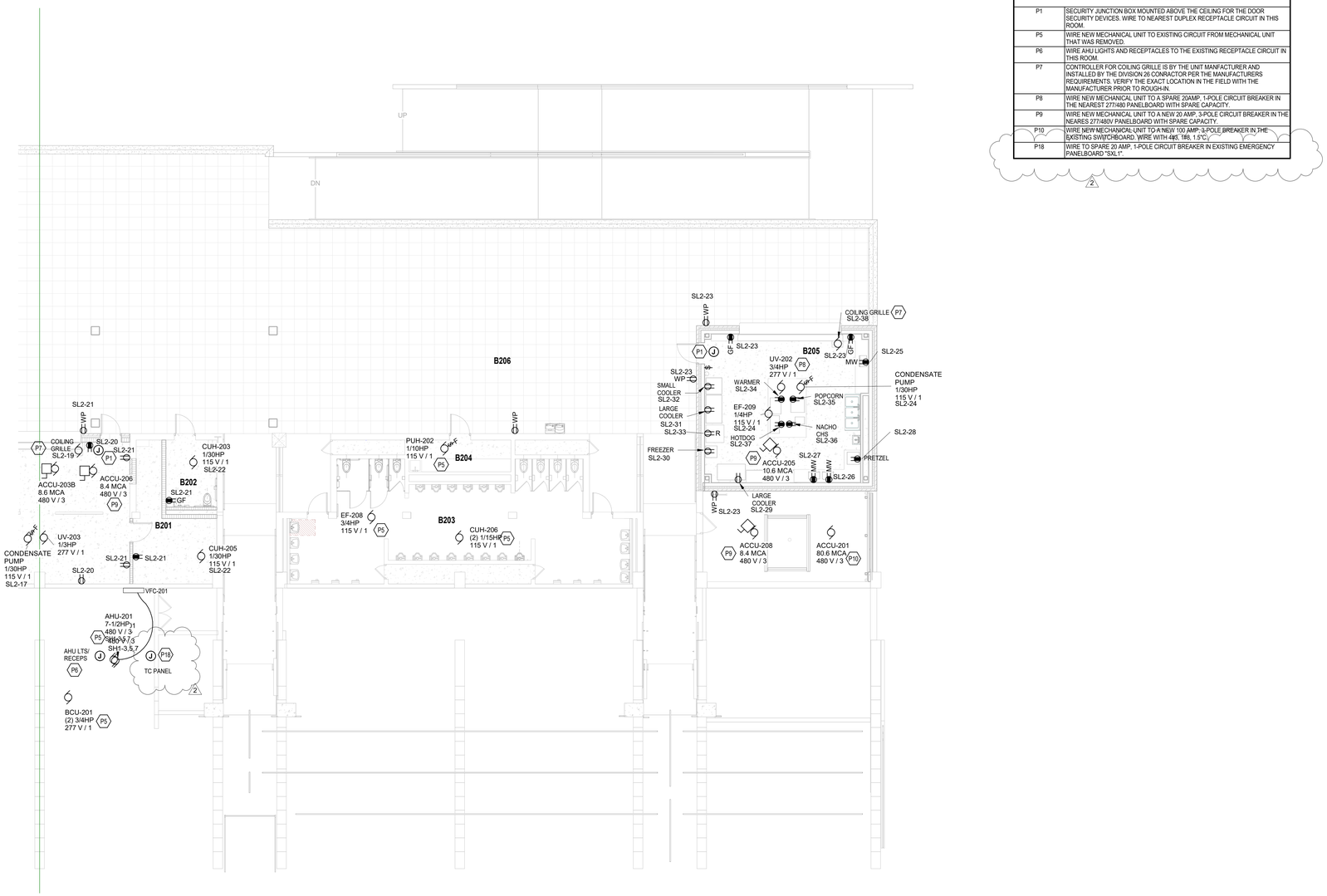
| ROOM LEGEND - SECOND FLOOR UNIT B | | |
|---|---|---|
| ROOM NO. | ROOM NAME | AREA (SF) |
| B201 | STORAGE | 183 SF |
| B202 | FAMILY | 82 SF |
| B203 | MENS BATHROOM | 745 SF |
| B204 | CUSTODIAL | 80 SF |
| B205 | CONCESSIONS | 581 SF |
| B206 | CONCOURSE | 4177 SF |

## GENERAL NOTES - POWER

1. 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, 90" A.F.F. UNO.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
4. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.
5. PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED DEVICE.
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.
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.
10. ALL EXISTING RECEPTACLES INSIDE AND OUTSIDE OF THE BUILDING THAT ARE TO REMAIN ARE TO BE REPLACED WITH NEW DEVICES AND COVER PLATES, AND WIRE BACK TO EXISTING CONDUCTORS.

| KEYNOTES | |
|---|---|
| P1 | SECURITY JUNCTION BOX MOUNTED ABOVE THE CEILING FOR THE DOOR SECURITY DEVICES. WIRE TO NEAREST DUPLEX RECEPTACLE CIRCUIT IN THIS ROOM. |
| P5 | WIRE NEW MECHANICAL UNIT TO EXISTING CIRCUIT FROM MECHANICAL UNIT THAT WAS REMOVED. |
| P6 | WIRE AHU LIGHTS AND RECEPTACLES TO THE EXISTING RECEPTACLE CIRCUIT IN THIS ROOM. |
| P7 | CONTROLLER FOR COILING GRILLE IS BY THE UNIT MANFACTURER AND INSTALLED BY THE DIVISION 26 CONRACTOR PER THE MANUFACTURERS REQUIREMENTS. VERIFY THE EXACT LOCATION IN THE FIELD WITH THE MANUFACTURER PRIOR TO ROUGH-IN. |
| P8 | WIRE NEW MECHANICAL UNIT TO A SPARE 20AMP, 1-POLE CIRCUIT BREAKER IN THE NEAREST 277/480 PANELBOARD WITH SPARE CAPACITY. |
| P9 | WIRE NEW MECHANICAL UNIT TO A NEW 20 AMP, 3-POLE CIRCUIT BREAKER IN THE NEARES 277/480V PANELBOARD WITH SPARE CAPACITY. |
| P10 | WIRE NEW MECHANICAL UNIT TO A NEW 100 AMP, 3-POLE BREAKER IN THE EXISTING SWITCHBOARD. WIRE WITH 4#6, 1#8, 1.5"C. |
| P18 | WIRE TO SPARE 20 AMP, 1-POLE CIRCUIT BREAKER IN EXISTING EMERGENCY PANELBOARD "SXL1". |




## SECOND FLOOR POWER PLAN BUILDING A - UNIT B

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

# 222154.00 CARMEL HIGH SCHOOL STADIUM GRANDSTAND RENOVATION PROJECT

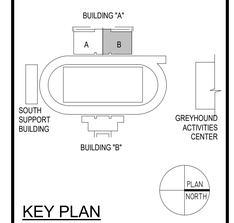
2390 E. SMOKY ROW (HOME SIDE)
2450 E. SMOKY ROW (VISITOR SIDE)
CARMEL, IN 46032

**CARMEL CLAY SCHOOLS**
5201 E Main Street, Carmel, IN 46033
317-844-9961

ARCHITECT

FANNING HOWEY

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




KEY PLAN

**100% CONSTRUCTION DOCUMENTS**


PROJECT MANAGER: MKS

DRAWN BY: AMN

PROJECT NUMBER: 222154.00

PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Addendum #2 | 8-23-2024 |
| 2 | Addendum #3 | 8-30-2024 |

**SECOND FLOOR POWER PLAN BUILDING A - UNIT B**

# E5.04

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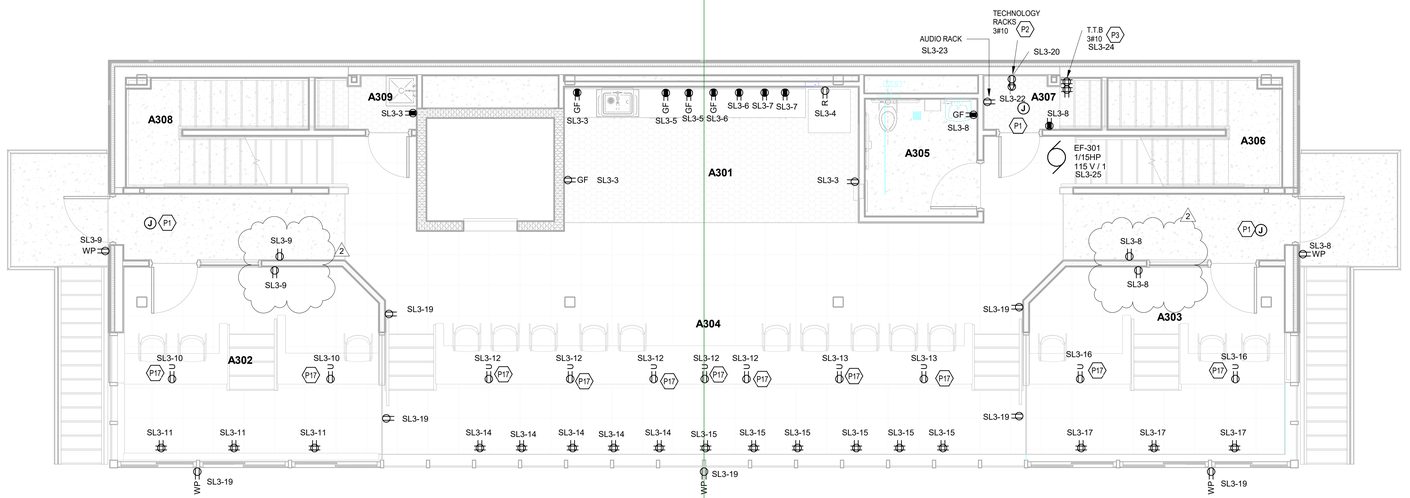
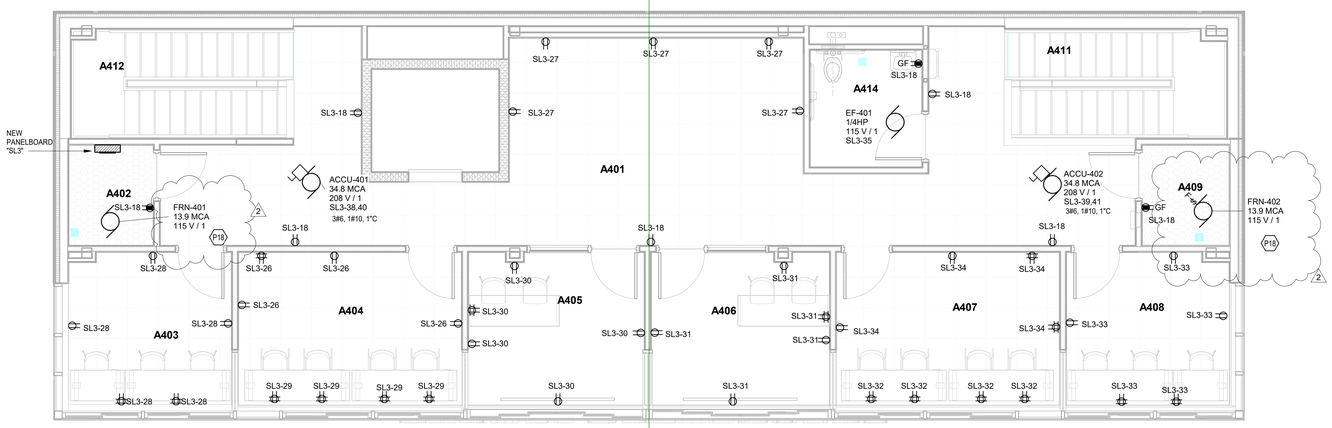



## PRESS BOX THIRD FLOOR POWER PLAN

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




## PRESS BOX FOURTH FLOOR POWER PLAN

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

### ROOM LEGEND - THIRD FLOOR

| ROOM NO. | ROOM NAME | AREA (SF) |
|---|---|---|
| A301 | COMMONS | 436 SF |
| A302 | BROADCAST MEDIA | 203 SF |
| A303 | SCOREBOARD AND PA | 204 SF |
| A304 | MEDIA SEATING | 525 SF |
| A305 | RESTROOM | 56 SF |
| A306 | STAIRS | 105 SF |
| A307 | IDF | 26 SF |
| A308 | STAIRS | 105 SF |
| A309 | CLOSET | 23 SF |

### ROOM LEGEND - FOURTH FLOOR

| ROOM NO. | ROOM NAME | AREA (SF) |
|---|---|---|
| A401 | COMMONS | 588 SF |
| A402 | MECHANICAL | 37 SF |
| A403 | C.H.T.V | 107 SF |
| A404 | COACHES | 147 SF |
| A405 | CAMERA | 116 SF |
| A406 | CAMERA | 117 SF |
| A407 | COACHES | 147 SF |
| A408 | W.H.J.E | 113 SF |
| A409 | MECHANICAL | 38 SF |
| A411 | STAIRS | 100 SF |
| A412 | STAIRS | 101 SF |
| A414 | RESTROOM | 56 SF |
| A415 | MEDIA SEATING | Not Placed |

## GENERAL NOTES - POWER

1. 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.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
4. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.
5. PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED DEVICE.
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.
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.
10. ALL EXISTING RECEPTACLES INSIDE AND OUTSIDE OF THE BUILDING THAT ARE TO REMAIN ARE TO BE REPLACED WITH NEW DEVICES AND COVER PLATES, AND WIRE BACK TO EXISTING CONDUCTORS.

### KEYNOTES

| | |
|---|---|
| P1 | SECURITY JUNCTION BOX MOUNTED ABOVE THE CEILING FOR THE DOOR SECURITY DEVICES. WIRE TO NEAREST DUPLEX RECEPTACLE CIRCUIT IN THIS ROOM. |
| P2 | TECHNOLOGY RACK (IDF) RECEPTACLES. COORDINATE MOUNTING LOCATION AND INSTALLATION REQUIREMENTS WITH THE TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE #10 CONDUCTORS. |
| P3 | TECHNOLOGY RACK T.T.B. BOARD RECEPTACLES. REFER TO DETAIL "4/E1.02" FOR MOUNTING LOCATIONS AND INSTALLATION REQUIREMENTS. PROVIDE #10 CONDUCTORS. |
| P15 | PROVIDE A PEDESTAL TYPE DUPLEX RECEPTACLE AT THIS LOCATION FOR POWER TO THE CAMERA. |
| P17 | PROVIDE AN IN-SURFACE FLIP-UP POWER UNIT WITH TWO DUPLEX RECEPTACLES AND ONE USB RECEPTACLE. MOCKET PCS82D, MATTE WHITE TO BE MOUNTED IN THE TOP OF HALF WALL. |
| P18 | WIRE TO SPARE 20 AMP, 1-POLE CIRCUIT BREAKER IN EXISTING EMERGENCY PANELBOARD "SXL1". |



# 222154.00 CARMEL HIGH SCHOOL STADIUM GRANDSTAND RENOVATION PROJECT

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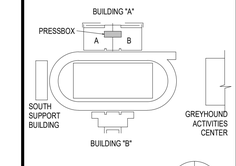


## KEY PLAN

100% CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER REGISTERED No. PE19900008 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: MKS
DRAWN BY: AMN
PROJECT NUMBER: 222154.00
PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Addendum #2 | 8-23-2024 |
| 2 | Addendum #3 | 8-30-2024 |

## THIRD AND FOURTH FLOOR (PRESSBOX) POWER PLANS - UNIT A

# E5.05

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## Branch Panel: SL2

**Location:** Room A206 | **Volts:** 208/120 Wye | **A.I.C. Rating:** 18 kA
**Supply From:** SLDP | **Phases:** 3 | **Mains Type:** M.C.B
**Mounting:** Recessed | **Wires:** 4 | **Mains Rating:** 200 A
**Enclosure:** Type 1 | **MCB Rating:** 200 A

**Notes: INTEGRAL SURGE PROTECTION**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Microwave - A202 | 20 A | 1 | 1500 | 1500 | | | | | 1 | 20 A | Microwave - A202 | 2 |
| 3 | Microwave - A202 | 20 A | 1 | | | 1500 | 1000 | | | 1 | 20 A | Refrigerator - A202 | 4 |
| 5 | Recepts - A202 | 20 A | 1 | | | | | 900 | 1127 | 1 | 20 A | Coiling Grille - A202 | 6 |
| 7 | Popcorn - A202 | 20 A | 1 | 180 | 180 | | | | | 1 | 20 A | Nacho Cheese - A202 | 8 |
| 9 | Pretzel - A202 | 20 A | 1 | | | 180 | 794 | | | 1 | 20 A | EF-201, Cond Pump - A202 | 10 |
| 11 | Warmer - A202 | 20 A | 1 | | | | | 180 | 180 | 1 | 20 A | Hotdog - A202 | 12 |
| 13 | Large Cooler - A202 | 20 A | 1 | 180 | 180 | | | | | 1 | 20 A | Freezer - A202 | 14 |
| 15 | Large Cooler - A202 | 20 A | 1 | | | 180 | 180 | | | 1 | 20 A | Small Cooler - A202 | 16 |
| 17 | CUH-202 - A205, Cond Pump - A207 | 20 A | 1 | | | | | 254 | 720 | 1 | 20 A | Recepts - A205, A206, A209 | 18 |
| 19 | Coiling Grille A207 | 20 A | 1 | 1127 | 1260 | | | | | 1 | 20 A | Recepts - A207 | 20 |
| 21 | Recepts - A207, B201, B202 | 20 A | 1 | | | 900 | 254 | | | 1 | 20 A | CUH's - B201, B202 | 22 |
| 23 | Recepts - B205 | 20 A | 1 | | | | | 900 | 794 | 1 | 20 A | EF-207, Cond. Pump - B205 | 24 |
| 25 | Microwave - B205 | 20 A | 1 | 1500 | 1500 | | | | | 1 | 20 A | Microwave - B205 | 26 |
| 27 | Mircrowave - B205 | 20 A | 1 | | | 1500 | 180 | | | 1 | 20 A | Pretzel - B205 | 28 |
| 29 | Larger Cooler - B205 | 20 A | 1 | | | | | 180 | 180 | 1 | 20 A | Freezer - B205 | 30 |
| 31 | Large Cooler - B205 | 20 A | 1 | 180 | 180 | | | | | 1 | 20 A | Small Cooler - B205 | 32 |
| 33 | Refrigerator - B205 | 20 A | 1 | | | 1000 | 180 | | | 1 | 20 A | Warmer - B205 | 34 |
| 35 | Popcorn - B205 | 20 A | 1 | | | | | 180 | 180 | 1 | 20 A | Nacho Chesse - B205 | 36 |
| 37 | Hot Dog - B205 | 20 A | 1 | 180 | 1127 | | | | | 1 | 20 A | Coiling Grille B205 | 38 |
| 39 | Provision for existing circuit/spare | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | Provision for existing circuit/spare | 40 |
| 41 | Provision for existing circuit/spare | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | Provision for existing circuit/spare | 42 |
| 43 | Provision for existing circuit/spare | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | Provision for existing circuit/spare | 44 |
| 45 | Provision for existing circuit/spare | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | Provision for existing circuit/spare | 46 |
| 47 | Provision for existing circuit/spare | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | Provision for existing circuit/spare | 48 |
| 49 | Provision for existing circuit/spare | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | Provision for existing circuit/spare | 50 |
| 51 | Provision for existing circuit/spare | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | Provision for existing circuit/spare | 52 |
| 53 | Provision for existing circuit/spare | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | Provision for existing circuit/spare | 54 |
| 55 | Provision for existing circuit/spare | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | Provision for existing circuit/spare | 56 |
| 57 | Provision for existing circuit/spare | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | Provision for existing circuit/spare | 58 |
| 59 | Provision for existing circuit/spare | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | Provision for existing circuit/spare | 60 |
| | | | **Total Load:** | 10774 VA | | 7848 VA | | 5775 VA | | | | | |
| | | | **Total Amps:** | 92 A | | 68 A | | 48 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals |
|---|---|---|---|---|
| Motor | 5477 VA | 105.14% | 5759 VA | |
| Receptacle | 18920 VA | 50.00% | 9460 VA | **Total Conn. Load:** 24397 VA |
| | | | | **Total Est. Demand:** 15219 VA |
| | | | | **Total Conn.:** 68 A |
| | | | | **Total Est. Demand:** 42 A |

**Notes:**

## Branch Panel: SL3

**Location:** ROOM A402 | **Volts:** 208/120 Wye | **A.I.C. Rating:** 10 kA
**Supply From:** SLDP | **Phases:** 3 | **Mains Type:** M.C.B
**Mounting:** Surface | **Wires:** 4 | **Mains Rating:** 200 A
**Enclosure:** Type 1 | **MCB Rating:** 200 A

**Notes: INTEGRAL SURGE PROTECTION**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Lighting - Third Floor Press Box | 20 A | 1 | 954 | 1026 | | | | | 1 | 20 A | Lighting - Fourth Floor Press Box | 2 |
| 3 | Recepts - A301, 309 | 20 A | 1 | | | 720 | 1000 | | | 1 | 20 A | Refrigerator - A301 | 4 |
| 5 | Countertop Recept - A301 | 20 A | 1 | | | | | 360 | 360 | 1 | 20 A | Countertop Recept - A301 | 6 |
| 7 | Countertop Recept - A301 | 20 A | 1 | 360 | 900 | | | | | 1 | 20 A | Recepts - A303, A304, A305 | 8 |
| 9 | Recepts - A301, A302 | 20 A | 1 | | | 540 | 360 | | | 1 | 20 A | Quads - A302 | 10 |
| 11 | Quads - A302 | 20 A | 1 | | | | | 1080 | 900 | 1 | 20 A | Quads - A306 | 12 |
| 13 | Quads - A306 | 20 A | 1 | 360 | 1800 | | | | | 1 | 20 A | Quads - A306 | 14 |
| 15 | Quads - A306 | 20 A | 1 | | | 2160 | 360 | | | 1 | 20 A | Quads - A303 | 16 |
| 17 | Quads - A303 | 20 A | 1 | | | | | 1080 | 1440 | 1 | 20 A | Recepts - A401, A402 A409, A411, A412 | 18 |
| 19 | Recepts - A304 | 20 A | 1 | 1620 | 180 | | | | | 1 | 20 A | Tech Rack A402 | 20 |
| 21 | Spare | 20 A | 1 | | | 0 | 360 | | | 1 | 20 A | Tech Rack A402 | 22 |
| 23 | Audio Rack A307 | 20 A | 1 | | | | | 180 | 720 | 1 | 20 A | T.T.B A402 | 24 |
| 25 | EF - 301 RM. A306 | 20 A | 1 | 230 | 900 | | | | | 1 | 20 A | Recepts - A404 | 26 |
| 27 | Recepts - A401 | 20 A | 1 | | | 900 | 1260 | | | 1 | 20 A | Recepts - A403 | 28 |
| 29 | Recepts - A404 | 20 A | 1 | | | | | 1440 | 1080 | 1 | 20 A | Recepts - A405 | 30 |
| 31 | Recepts - A406 | 20 A | 1 | 1080 | 1440 | | | | | 1 | 20 A | Recepts - A407 | 32 |
| 33 | Recepts - A408 | 20 A | 1 | | | 1260 | 1080 | | | 1 | 20 A | Recepts - A407 | 34 |
| 35 | ER - 401 RM. A414 | 20 A | 1 | | | | | 667 | 0 | 1 | 20 A | Spare | 36 |
| 37 | Spare | 20 A | 1 | 0 | 1030 | | | | | 2 | 50 A | ACCU - 401 RM. A401 34.8 MCA | 38 |
| 39 | ACCU - 402 RM. A401 34.8 MCA | 50 A | 2 | | | 1030 | 1030 | | | -- | -- | -- | 40 |
| 41 | -- | -- | -- | | | | | 1030 | 0 | 1 | 20 A | Spare | 42 |
| 43 | Spare | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | Spare | 44 |
| 45 | Spare | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | Spare | 46 |
| 47 | Spare | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | Spare | 48 |
| 49 | Spare | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | Spare | 50 |
| 51 | Spare | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | Spare | 52 |
| 53 | Spare | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | Spare | 54 |
| 55 | SPD | 30 A | 3 | -- | 0 | | | | | 1 | 20 A | Spare | 56 |
| 57 | -- | -- | -- | | | -- | 0 | | | 1 | 20 A | Spare | 58 |
| 59 | -- | -- | -- | | | | | -- | 0 | 1 | 20 A | Spare | 60 |
| | | | **Total Load:** | 11880 VA | | 12060 VA | | 10337 VA | | | | | |
| | | | **Total Amps:** | 101 A | | 102 A | | 86 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals |
|---|---|---|---|---|
| Lighting | 1980 VA | 100.00% | 1980 VA | |
| Motor | 5017 VA | 110.27% | 5532 VA | **Total Conn. Load:** 34277 VA |
| Receptacle - Convenience | 1960 VA | 100.00% | 1980 VA | **Total Est. Demand:** 22250 VA |
| Receptacle | 24940 VA | 50.00% | 12470 VA | **Total Conn.:** 95 A |
| Receptacle - Special | 360 VA | 80.00% | 288 VA | **Total Est. Demand:** 62 A |

**Notes:**

## Branch Panel: SL6

**Location:** ROOM A114 | **Volts:** 208/120 Wye | **A.I.C. Rating:** 10 kA
**Supply From:** SLDP | **Phases:** 3 | **Mains Type:** M.C.B
**Mounting:** Surface | **Wires:** 4 | **Mains Rating:** 200 A
**Enclosure:** Type 1 | **MCB Rating:** 200 A

**Notes: INTEGRAL SURGE PROTECTION**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MOBILE COMMAND CENTER | 20 A | 2 | 4150 | 2767 | | | | | 3 | 50 A | MOBILE COMMAND CENTER | 2 |
| 3 | -- | -- | -- | | | 4150 | 2767 | | | -- | -- | -- | 4 |
| 5 | Recepts - A136 | 20 A | 1 | | | | | 1440 | 2767 | -- | -- | -- | 6 |
| 7 | Recepts - B102 | 20 A | 1 | 1080 | 0 | | | | | 1 | 20 A | Spare | 8 |
| 9 | Spare | 20 A | 1 | | | 0 | 1127 | | | 1 | 20 A | BLR-3 - B102 | 10 |
| 11 | BLR-4 - B102 | 20 A | 1 | | | | | 1127 | 1127 | 1 | 20 A | BLR-5 - B102 | 12 |
| 13 | Spare | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | Spare | 14 |
| 15 | Spare | 20 A | 1 | | | 0 | 828 | | | 1 | 20 A | HWP-1C - B102 | 16 |
| 17 | HWP-1D - B102 | 20 A | 1 | | | | | 828 | 828 | 1 | 20 A | HWP-1E - B102 | 18 |
| 19 | Recepts - B101 | 20 A | 1 | 1260 | 180 | | | | | 1 | 20 A | AV Rack - B101 | 20 |
| 21 | Recepts - B101 | 20 A | 1 | | | 900 | 1080 | | | 1 | 20 A | Recepts - B101 | 22 |
| 23 | CUH-101, PUH-102,103 | 20 A | 1 | | | | | 587 | 1587 | 1 | 20 A | EF - 104 | 24 |
| 25 | Recepts - B108 | 20 A | 1 | 540 | 1080 | | | | | 1 | 20 A | Recepts - B108 | 26 |
| 27 | Recepts - B108 | 20 A | 1 | | | 720 | 1260 | | | 1 | 20 A | Recepts - B112, B122, B126, B128 | 28 |
| 29 | Refrigerator - B109 | 20 A | 1 | | | | | 1000 | 1080 | 1 | 20 A | Recepts - B109 | 30 |
| 31 | Recepts - B109 | 20 A | 1 | 540 | 900 | | | | | 1 | 20 A | Recepts - B109 | 32 |
| 33 | Recepts - A123, B117, B118 | 20 A | 1 | | | 900 | 180 | | | 1 | 20 A | A/V Rack Rm. B114 | 34 |
| 35 | Water Softener Rm. B102 | 20 A | 1 | | | | | 360 | 180 | 1 | 20 A | Icemaker Rm. B122 | 36 |
| 37 | Provision for existing circuit/spare | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | Provision for existing circuit/spare | 38 |
| 39 | Provision for existing circuit/spare | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | Provision for existing circuit/spare | 40 |
| 41 | Provision for existing circuit/spare | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | Provision for existing circuit/spare | 42 |
| 43 | Provision for existing circuit/spare | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | Provision for existing circuit/spare | 44 |
| 45 | Provision for existing circuit/spare | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | Provision for existing circuit/spare | 46 |
| 47 | Provision for existing circuit/spare | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | Provision for existing circuit/spare | 48 |
| 49 | Provision for existing circuit/spare | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | Provision for existing circuit/spare | 50 |
| 51 | Provision for existing circuit/spare | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | Provision for existing circuit/spare | 52 |
| 53 | Provision for existing circuit/spare | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | Provision for existing circuit/spare | 54 |
| 55 | Provision for existing circuit/spare | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | Provision for existing circuit/spare | 56 |
| 57 | Provision for existing circuit/spare | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | Provision for existing circuit/spare | 58 |
| 59 | Provision for existing circuit/spare | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | Provision for existing circuit/spare | 60 |
| | | | **Total Load:** | 12497 VA | | 13912 VA | | 12911 VA | | | | | |
| | | | **Total Amps:** | 104 A | | 116 A | | 108 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals |
|---|---|---|---|---|
| Motor | 8039 VA | 104.94% | 8436 VA | |
| Receptacle - Convenience | 900 VA | 100.00% | 900 VA | **Total Conn. Load:** 39320 VA |
| Receptacle | 13780 VA | 50.00% | 6890 VA | **Total Est. Demand:** 29507 VA |
| Receptacle - Special | 16601 VA | 80.00% | 13281 VA | **Total Conn.:** 109 A |
| | | | | **Total Est. Demand:** 82 A |

**Notes:**



# CARMEL HIGH SCHOOL STADIUM GRANDSTAND RENOVATION PROJECT

2390 E. SMOKY ROW (HOME SIDE)
2450 E. SMOKY ROW (VISITOR SIDE)
CARMEL, IN 46032

**CARMEL CLAY SCHOOLS**

ARCHITECT

FANNING HOWEY

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

**100% CONSTRUCTION DOCUMENTS**

BRIAN W. BUTLER REGISTERED No. PE10500 STATE OF PROFESSIONAL ENGINEER

PROJECT MANAGER: MKS
DRAWN BY: AMN
PROJECT NUMBER: 222154.00
PROJECT ISSUE DATE: 7.26.2024

| REV. NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Addendum #2 | 8-23-2024 |
| 2 | Addendum #3 | 8-30-2024 |

**PANELBOARD SCHEDULES**

# E8.02