

ADDENDUM NO. 2

February 23, 2022

**DOUGLAS MACARTHUR ELEMENTARY SCHOOL ADDITIONS,
RENOVATIONS, AND RELATED WORK
Crown Point, IN 46307**

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated January 31, 2022 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 2-1 through ADD 2-2 and attached Addendum No. 2 from Gibraltar Design dated February 21, 2022 and consisting of 7 pages, Specification Section 12 25 00 - Roller Shades and 52 drawings.

A. SPECIFICATION SECTION 00 00 20 - TABLE OF CONTENTS

1. Add:

Specification Section 12 25 00 - Roller Shades

B. SPECIFICATION SECTION 00 31 00 - BID FORM

1. Replace:

Bid Form with the attached revised Bid Form.

**C. SPECIFICATION SECTION 00 43 50 - SUBCONTRACTORS AND PRODUCT LIST
Under Division 12 - Furnishings**

1. Add:

Specification Section 12 25 00 - Roller Shades

D. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

1. BID CATEGORY NO. 1 - GENERAL TRADES

1. Add:

Specification Section 12 25 00 - Roller Shades

Clarification No. 24:

Reference Specification Section 06 20 00 – Finish Carpentry; The **Bid Category No. 9 Contractor** shall provide solid surfaces countertops required for their casework as indicated on the construction documents. The **Bid Category No. 1 Contractor** shall provide all other items required in this section.

2. BID CATEGORY NO. 9 - CASEWORK

1. Add:

Clarification No. 2:

Reference Specification Section 06 20 00 – Finish Carpentry; The **Bid Category No. 9 Contractor** shall provide solid surfaces countertops required for their casework as indicated on the construction documents. The **Bid Category No. 1 Contractor** shall provide all other items required in this section.

E. SPECIFICATION 01 23 00 - ALTERNATES

1. Add:

- M. ALTERNATE NO. 13: State the cost to provide new pole bases, poles, lighting fixture heads, and final electrical connections, as shown on sheet E-002 and scheduled on sheet E-502. Base Bid: Provide site lighting circuitry, wiring, and conduit from site lighting panelboard and controls to proposed new parking lot site lighting locations for future pole bases, poles, and lighting fixture heads.

F. SPECIFICATION 01 32 00 - SCHEDULES AND REPORTS

1. Replace:

The original guideline schedule with the attached revised guideline schedule.

CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96

Format (Revised 2013)
(Amended for CPCSC)

**Douglas MacArthur Elementary School
Additions, Renovations, and Related Work**
Crown Point Community School Corporation
Crown Point, IN

PART I

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

Date (month, day, year): _____

BIDDER (Firm) _____

Address _____ P.O. Box _____

City/State/Zip _____

Telephone Number: _____ Email Address: _____

Person to contact regarding this Bid _____

Pursuant to notices given, the undersigned offers to furnish labor and/or materials necessary to complete the public works project of:

Insert Category No. (s) and Name(s)

Of public works project, ***Douglas MacArthur Elementary School Additions, Renovations, and Related Work***, in accordance with Plans and Specifications prepared by ***Gibraltar Design, Inc., 9102 N. Meridian Street, Suite 300, Indianapolis, IN 46260***, as follows:

BASE BID

For the sum of _____
(Sum in words)

_____ DOLLARS (\$ _____)
(Sum in figures)

The undersigned acknowledges receipt of the following Addenda:

Receipt of Addenda No. (s) _____

PROPOSAL TIME

Bidder agrees that this Bid shall remain in force for a period of sixty (60) consecutive calendar days from the due date, and Bids may be accepted or rejected during this period. Bids not accepted within said sixty (60) consecutive calendar days shall be deemed rejected.

Attended pre-bid conference YES _____ NO _____

Has visited the jobsite YES _____ NO _____

The Bidder has reviewed the Guideline Schedule in Section 01 32 00 and the intent
Of the schedule can be met. YES _____ NO _____

Bidder has included their Written Drug Testing Plan that covers all employees of the bidder who will perform work on the public work project and meets or exceeds the requirements set in IC 4-13-18-5 or IC 4-13-18-6. YES _____ NO _____

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

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

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

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

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

ALTERNATE BIDS

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

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

Alternate Bid No. 1 – New Door Frame, Door, Hardware in both New and Existing Classrooms.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$ _____)
(sum in figures) ADD
DEDUCT

Alternate Bid No. 2 – New Door and Door Hardware in Existing Door Frame.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$ _____)
(sum in figures) ADD
DEDUCT

Alternate Bid No. 3 – New Metal Panels and Trim.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$ _____)
(sum in figures) ADD
DEDUCT

Alternate Bid No. 4 – New Fascia System, Flashing, and Trim.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$ _____)
(sum in figures) ADD
DEDUCT

Alternate Bid No. 5 – Tectum Acoustical Wall Panels in Gymnasium.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$ _____)
(sum in figures) ADD
DEDUCT

Alternate Bid No. 6 – Carpet Manufactured by J & J Flooring.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$ _____)
(sum in figures) ADD
DEDUCT

Alternate Bid No. 7 – Schneider Electric Controls by Precision Controls.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 8 – Unit Ventilators by Engineered Air.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 9 – Chiller Manufactured by Trane.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 10 – Air Handling Units by Trane.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 11 – Chemical Water Treatment by Global Water Technology, Inc.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 12 – Fire Alarm System by Simplex/JCI.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 13 – New Pole Bases, Poles, and Lighting Fixture Heads.

Change the Base Bid the sum of _____
(sum in words)

_____ DOLLARS (\$) _____
(sum in figures)

ADD
DEDUCT

PART II

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

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

SECTION I EXPERIENCE QUESTIONNAIRE

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

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

2. What public works projects are now in process of construction by your organization?

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

3. Have you ever failed to complete any work awarded to you?_____If so, where and why?

4. List references from private firms for which you have performed work.

SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE

1. Explain your plan or layout for performing proposed Work. (Examples could include a narrative of when you could begin, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.)

2. Please list the names and addresses of all subcontractors (i.e. persons or firms outside your own firm who have performed part of the work) that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor.

3. If you intend to sublet any portion of the work, state the name and addresses of each subcontractor, equipment to be used by the subcontractor, and whether you will require a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project.

4. What equipment do you have available to use for the proposed Project? Any equipment used by subcontractors may also be required to be listed by the governmental unit.

5. Have you into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which corroborate the process listed.

SECTION III CONTRACTOR'S FINANCIAL STATEMENT

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

SECTION IV CONTRACTOR NON-COLLUSION AFFIDAVIT

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

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

SECTION V OATH AND AFFIRMATION

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

Dated at _____ this _____ day of _____, 20

(Name of Organization)

By

(Title of Person Signing)

ACKNOWLEDGEMENT

STATE OF _____)
) SS:
COUNTY OF _____)

Before me, a Notary Public, personally appeared the above-named

Swore that the statements contained in the foregoing document are true and correct.

Subscribed and sworn to before me this _____ day of _____,

(Title)

Notary Public

My Commission Expires: _____

County of Residence: _____

END OF SECTION 00 31 00

Activity Name	Original Duration	Start	Finish	2022												2023												2024													
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
Building Core and Shell	130	Jul-07-22	Jan-11-23	Building Core and Shell																																					
Excavate Footings and Foundations	5	Jul-07-22	Jul-13-22	Excavate Footings and Foundations																																					
Form and Pour Footings	10	Jul-14-22	Jul-27-22	Form and Pour Footings																																					
Foundations	10	Jul-28-22	Aug-10-22	Foundations																																					
Backfill	3	Aug-11-22	Aug-15-22	Backfill																																					
Underground Utilities	10	Aug-16-22	Aug-29-22	Underground Utilities																																					
Slab-on-Grade Prep and Form	10	Aug-30-22	Sep-13-22	Slab-on-Grade Prep and Form																																					
Pour Slab-on-Grade	1	Sep-14-22	Sep-14-22	Pour Slab-on-Grade																																					
Structural Steel Framing, Detailing, Joists, and	20	Oct-07-22	Nov-03-22	Structural Steel Framing, Detailing, Joists, and																																					
Perimeter Metal Stud Walls with Densglass	15	Oct-21-22	Nov-10-22	Perimeter Metal Stud Walls with Densglass																																					
Cold Formed Metal Trusses	15	Nov-04-22	Nov-28-22	Cold Formed Metal Trusses																																					
Cavity Insulation and Veneer	30	Nov-11-22	Dec-27-22	Cavity Insulation and Veneer																																					
Roofing	10	Nov-29-22	Dec-12-22	Roofing																																					
Roofing Details	10	Dec-28-22	Jan-11-23	Roofing Details																																					
Windows	10	Dec-28-22	Jan-11-23	Windows																																					
Interior Buildout	145	Nov-11-22	Jun-07-23	Interior Buildout																																					
In-Wall Plumbing Rough-Ins	15	Nov-11-22	Dec-05-22	In-Wall Plumbing Rough-Ins																																					
In-Wall Electrical Rough-Ins	15	Nov-11-22	Dec-05-22	In-Wall Electrical Rough-Ins																																					
Interior Metal Stud Framing	15	Nov-11-22	Dec-05-22	Interior Metal Stud Framing																																					
Ductwork	15	Dec-06-22	Dec-27-22	Ductwork																																					
Above Ceiling Electrical and Technology	15	Dec-06-22	Dec-27-22	Above Ceiling Electrical and Technology																																					
Above Ceiling Piping	15	Dec-13-22	Jan-04-23	Above Ceiling Piping																																					
Dry Wall and Tape	20	Jan-05-23	Feb-01-23	Dry Wall and Tape																																					
Painting and Wall Coatings	20	Feb-02-23	Mar-01-23	Painting and Wall Coatings																																					
Ceilings	20	Feb-23-23	Mar-22-23	Ceilings																																					
Light Fixtures	20	Feb-23-23	Mar-22-23	Light Fixtures																																					
Mechanical Trim	20	Feb-23-23	Mar-22-23	Mechanical Trim																																					
Electrical Devices and Trim	20	Feb-23-23	Mar-22-23	Electrical Devices and Trim																																					
Ceramic Wall and Floor Tile	15	Mar-23-23	Apr-12-23	Ceramic Wall and Floor Tile																																					
Casework and Millwork	15	Mar-23-23	Apr-12-23	Casework and Millwork																																					
Markerboards and Tackboards	5	Apr-13-23	Apr-19-23	Markerboards and Tackboards																																					
Epoxy Floor	5	Apr-13-23	Apr-19-23	Epoxy Floor																																					
Plumbing Fixtures	10	Apr-20-23	May-03-23	Plumbing Fixtures																																					
Lockers	10	May-04-23	May-17-23	Lockers																																					
Toilet Partitions	5	May-04-23	May-10-23	Toilet Partitions																																					

- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- Summary

220210.04 Douglas MacArthur ES Additions and Renovations

Schedule Update Feb-22-22



Activity Name		Original Duration	Start	Finish	2022												2023												2024																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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220210.04 Douglas MacArthur ES Additions and Renovations

Schedule Update Feb-22-22



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- Actual Work
- Remaining Work
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220210.04 Douglas MacArthur ES Additions and Renovations

Schedule Update Feb-22-22



ADDENDUM TWO

Addendum Two (AD.02) to the drawings and specifications prepared by Gibraltar Design for **MacArthur Elementary School Additions & Renovations** for Crown Point Community School Corporation, Crown Point, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original contract documents. All Contractors shall acknowledge on their bid form that they have received this Addendum and Addendum One, and include the appropriate content of same within their bid proposal.

SPECIFICATIONS

- 1. Specification Section 00 01 10 Table of Contents**
 - A. Add new Specification Section 12 25 00, Roller Shades, to Division 12 on the Table of Contents.
- 2. Specification Section 03 30 00 Concrete**
 - A. Add new Paragraph for Acceptable Vapor Barrier Manufacturers, 2.5.F.6. ISI Building Products, Viper II.
- 3. Specification Section 04 20 00 Unit Masonry**
 - A. Add new Paragraph 1.1.A.4. Pre-Faced Concrete Masonry Units.
 - B. Add new Paragraph 2.5.A.1 as follows:
"1. Pre-Faced Lightweight Block, nominal size 5-inch by 12-inch (to match existing), Compressive Strength of 2150 psi, color to be white (intent is to paint units to match existing)."
- 4. Specification Section 07 42 44 Composite Metal Panels**
 - A. Add new Paragraph for Acceptable Manufacturers, 2.1.A.4. Alcotex Inc.; Alcotex and Paragraph 2.1.B.4. Alumitex by Elemex.
- 5. Specification Section 07 95 00 Expansion Joint Systems**
 - A. Add new Manufacturer with adding Paragraph 2.1.F. Erie Metal Specialties, Inc., Akron, New York, and adjusting the remaining sequence of Paragraphs.
- 6. Specification Section 09 29 00 Gypsum Board**
 - A. Add new Paragraph 1.1.F. Spray Acoustical System.
 - B. Add new Paragraph 2.4. Spray Acoustical System as follows:
"2.4 Spray Acoustical System
 - A. Provide a spray-applied thermal and acoustical insulation system, K-13 Thermal Insulation, as manufactured by International Cellulose Corporation, or approved equal.
 - B. Location: Where indicated on the Drawings.
 - c. Color and Thickness: White, 2-inch thick."
 - C. Add new Paragraph 3.2.T. as follows:



"T. Spray Acoustical System: Clean and prepare surface to be applied per Acoustical Spray manufacturers recommendations. Spray the indicated thickness in layers per manufacturers instructions."

7. Specification Section 12 25 00 Roller Shades

- A. Add new Specification Section 12 25 00, Roller Shades, included with this addendum.

DRAWINGS

8. Sheet G-102, G-104

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
1. Add sheet A-412 Building Sections to Sheet Index.
 2. Revise Sheet S-202 sheet title in index.

9. Sheet G-201

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
1. Revision to Allowable Area in Life Safety General Note
 2. Add note to Classrooms as shown in the attached drawing.

10. Sheet G-301

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
1. Revision to Partition type "A"

11. Sheets S-201, S-202, S-203, S-204, S-205, S-206

- A. Refer to revised, full size drawings, included in this Addendum, refer to bubbled revisions on each of the sheets.

12. Sheets AD101, AD102, AD103

- A. Refer to revised, full size drawings, included in this Addendum, for the following revisions:
1. Add General Demolition Note AA.
 2. Revise Plan Note 45.
 3. Add Plan Notes 79-82.
 4. Refer to Demolition Floor Plan for clouded revisions in multiple locations.

13. Sheets A-101, A-102, A-103, A-104

- A. Refer to revised, full size drawings, included in this Addendum, for the following revisions:
1. Revise Plan Notes 23, 26, 33, 46, and 58.
 2. Add Plan Notes 68 and 69.
 3. Refer to Floor Plan for clouded revisions in multiple locations.



14. Sheets A-105

- A. Refer to revised, full size drawings, included in this Addendum, for the following revisions:
 - 1. Revise door tags to match schedule.

15. Sheets A-201, A-202

- A. Refer to revised, full size drawings, included in this Addendum, for the following revisions:
 - 1. Add reference bubble to Roof Drain in the Roof Legend.
 - 2. Revise Roof Plan Notes 3 and 26.
 - 3. Add Roof Plan Note 28.
 - 4. Refer to Roof Plan for clouded revisions in multiple locations.

16. Sheets A-401

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Revise note for Building section 1/A-401

17. Sheets A-408

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Revise Reference bubble on 2/A-408
 - 2. Revise Wall section 4/A-408 with the two plan details to be 5/A-408 and update notes.

18. Sheets A-412

- A. Refer to New, full size drawing, included in this Addendum.

19. Sheets A-420

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Revise Wheelchair Lift Sections 1/A-420 and 3/A-420.

20. Sheets A-601, A-602, A-603

- A. Refer to revised, full size drawings, included in this Addendum, for the following revisions:
 - 1. Refer to Door and Frame Schedule for clouded revisions.

21. Sheets A-620

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Revise Aluminum Storefront Elevations (SF) 1/A-620.

22. Sheet A-801

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Revise Finishes as noted.

**23. Sheet A-802**

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Revise finishes in restrooms B-139 and B-140.
 - 2. All other finish revisions as noted.

24. Sheet A-803

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Remove note 4 from room C-123.

25. Sheet A-862

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Revise Keynote 59 text.
 - 2. Addition of wall base dimensions, as noted.
 - 3. Revision of wall base Keynotes, as noted.

26. Sheet A-863

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Revise Keynote 59 text.
 - 2. Remove elevation 5/A-863 in its entirety.

27. Sheet A-902

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Revise Section Cut at front Canopy

28. Sheet A-903

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Revise Lighting Layout in Serving C-132

29. Sheets MV-102

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Rerouted ductwork serving "Storage B-127".
 - 2. Resized return duct serving admin area and added 18/12 return air duct into mechanical room.

30. Sheets E002

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Revised site plan to better show sidewalks and streets.
 - 2. Added tag to address new chiller location.



3. Revised disconnect & meter to be mounted to H-Frame.

31. Sheets EL101

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 1. Revised PASS A-102 lighting.

32. Sheets EL102

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 1. Revised PASS B-105 lighting.
 2. Revised CONF B-106 lighting.
 3. Revised ST B-142 lighting.
 4. Revised MECHANICAL B-135 lighting.
 5. Revised CAFÉ B-124 lighting.

33. Sheets EL103

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 1. Revised SERVING C-132 lighting.
 2. Revised CUST C-122 lighting.

34. Sheets EP102

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 1. Removed curtain divider power.
 2. Added power to shot clocks.
 3. Added power and low voltage to stage floor boxes.
 4. Added power to sound cabinet.
 5. Added power to projector and projector screen.
 6. Added power and low voltage to bleachers.
 7. Added sheet note.

35. Sheets E-501

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 1. Added kitchen panels KP-1 & KP-2.
 2. Revised panels ML4, MLL4, ML5, ML6, & ML7 to be demolished.

36. Sheets E-502

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 1. Revised "FIXTURE GENERAL NOTES" to require straight square aluminum poles rather than steel poles.



37. Sheets E-504

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Added corridor lighting controls diagram.

38. Sheets E-601

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Revised existing circuit breakers to panel MLB-11.
 - 2. Added new circuit breakers to panel MLB-11.

39. Sheets E-602

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Added panel schedule EM-TECH3.

40. Sheets E-603

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Added existing panel schedules ML9, ML10, HP-2, HP-3, & CPP2.

41. Sheets T-100

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Overall location of changes shown on T-102 and T-103.

42. Sheets T-102

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Room B-125, move data outlet into cabinet.
 - 2. Room B-143, add two data outlets for scoreboards.
 - 3. Room B-144, move data outlet into cabinet. Provide underground conduit from cabinet to outdoor sign; see continuation on site plan.
 - 4. Room B-145 add 2 floor boxes with microphone and data outlets in stage.
 - 5. Room B-146, shift location of data outlet.

43. Sheets T-103

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Corridor C-116, add note to proposed Utility fiber optic path.

44. Sheets T-601

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
 - 1. Add fiber optic cable for outdoor sign to be backbone diagram.

**45. Sheets TS-100**

- A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:
1. Add a 2" underground conduit to the outdoor sign.

Pages 1 through 7, inclusive, Specification Section 12-25 00, and Fifty-two(52) Full-Size Drawings, constitute the total makeup of **Addendum Two**.

**GIBRALTAR**

DESIGN

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SECTION 12 25 00

ROLLER SHADES

1 General

1.1 Section Includes

- A. Manually operated sunscreen roller shades.

1.2 Related Sections

- A. Section 06 10 00 – Rough Carpentry: Wood blocking and grounds for mounting roller shades and accessories.
- B. Section 09 29 00 - Gypsum Board: Coordination with gypsum board assemblies for installation of shade pockets, closures and related accessories.
- C. Section 09 51 00 - Acoustical Ceilings: Coordination with acoustical ceiling systems for installation of shade pockets, closures and related accessories.

1.3 References

- A. ASTM G21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
- B. NFPA 701 - Fire Tests for Flame-Resistant Textiles and Films.

1.4 Submittals

- A. Submit under provisions of Division 1.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
- C. Preparation instructions and recommendations.
- D. Styles, material descriptions, dimensions of individual components, profiles, features, finishes and operating instructions.
- E. Storage and handling requirements and recommendations.
- F. Mounting details and installation methods.
- G. Shop Drawings: Plans, elevations, sections, product details, installation details, operational clearances, wiring diagrams, and relationship to adjacent work.
- H. Window Treatment Schedule; For All Roller Shades. Use same room designations as indicated on the Drawings and include opening sizes and key to typical mounting details.

- I. Selection Samples: For each finish product specified, one set of shade cloth options, and aluminum finish color samples representing manufacturer's full range of available colors and patterns.
- J. Verification Samples: For each finish product specified, one complete set of shade components, unassembled, demonstrating compliance with specified requirements. Shadecloth sample and aluminum finish sample as selected. Mark face of material to indicate interior faces.
- K. Maintenance Data: Methods for maintaining roller shades, precautions regarding cleaning materials and methods, instructions for operating hardware and controls.

1.5 Quality Assurance

- A. Manufacturer Qualifications: Obtain roller shades through one source from a single manufacturer with a minimum of twenty years experience in manufacturing products comparable to those specified in this section.
- B. Installer Qualifications: Installer trained and certified by the manufacturer with a minimum of ten years experience in installing products comparable to those specified in this section.
- C. Fire-Test-Response Characteristics: Passes NFPA 701 small and large-scale vertical burn. Materials tested shall be identical to products proposed for use.
- D. Anti-Microbial Characteristics: 'No Growth' per ASTM G21 results for fungi ATCC9642, ATCC 9644, ATCC9645.

1.6 Delivery, Storage, And Handling

- A. Deliver shades in factory-labeled packages, marked with manufacturer and product name, fire-test-response characteristics, and location of installation using same room designations indicated on Drawings and in the Window Treatment Schedule.

1.7 Project Conditions

- A. Environmental Limitations: Install roller shades after finish work including painting is complete and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

1.8 Warranty

- A. Roller Shade Hardware, Chain, and Shadecloth: Manufacturer's standard twenty-five year limited warranty.
- B. Roller Shade Installation: One year from date of Substantial Completion, not including scaffolding, lifts, or other means to reach inaccessible areas.

2 Products

2.1 Roller Shades – Acceptable Manufacturers

- A. Basis of Design: MechoShade Systems, Inc., Long Island City, New York.
- B. Substitutions: Required approval prior to bid.
- C. Requests for substitutions will be considered in accordance with provisions of Division 1.

2.2 Applications/Scope

- A. Roller Shade Schedule:
 - 1. Manual operating, chain drive, sunscreen roller shades in all spaces shown on the Drawings.

2.3 Shade Cloth

- A. Visually Transparent Single-Fabric Shadecloth: MechoShade Systems, Inc., ThermoVeil group, single thickness non-raveling 0.030-inch thick vinyl fabric, woven from 0.018-inch diameter extruded vinyl yarn comprising of 21 percent polyester and 79 percent reinforced vinyl, in colors selected from manufacturer's available range.

2.4 Shade Band

- A. Shade Bands: Construction of shade band includes the fabric, the hem weight, hem-pocket, shade roller tube, and the attachment of the shade band to the roller tube. Sewn hems and open hem pockets are not acceptable.
- B. Hem Pockets and Hem Weights: Fabric hem pocket with RF-welded seams (including welded ends) and concealed hem weights. Hem weights shall be of appropriate size and weight for shade band. Hem weight shall be continuous inside a sealed hem pocket. Hem pocket construction and hem weights shall be similar, for all shades within one room.
- C. Shade Band and Shade Roller Attachment:
 - 1. Use extruded aluminum shade roller tube of a diameter and wall thickness required to support shade fabric without excessive deflection. Roller tubes less than 1.55 inches in diameter for manual shades, and less than 2.55 inches for motorized shades are not acceptable.
 - 2. Provide for positive mechanical engagement with drive/brake mechanism.
 - 3. Provide for positive mechanical attachment of shade band to roller tube; shade band shall be made removable/replaceable with a "snap-on", snap-off" spline mounting, without having to remove shade roller from shade brackets.

4. Mounting spline shall not require use of adhesives, adhesive tapes, staples, and/or rivets.
5. Any method of attaching shade band to roller tube that requires the use of adhesives, adhesive tapes, staples, and/or rivets are not acceptable.

2.5 Shade Fabrication

- A. Fabricate units to completely fill existing openings from head to sill and jamb-to-jamb, unless specifically indicated otherwise.
- B. Fabricate shade cloth to hang flat without buckling or distortion. Fabricate with heat-sealed trimmed edges to hang straight without curling or raveling. Fabricate unguided shade cloth to roll true and straight without shifting sideways more than 1/8 inch in either direction per 8 feet of shade height due to warp distortion or weave design.
- C. Fabricate hem as follows:
 1. Bottom hem weights.
 2. Provide battens in standard shades as required to assure proper tracking and uniform rolling of the shade bands. Contractor shall be responsible for assuring the width-to-height (W:H) ratios shall not exceed manufacturer's standards or, in absence of such standards, shall be responsible for establishing appropriate standards to assure proper tracking and rolling of the shade cloth within specified standards. Battens shall be roll-formed stainless steel or tempered steel, as required.
 3. For railroaded shade bands, provide seams in railroaded multi-width shade bands as required to meet size requirements and in accordance with seam alignment as acceptable to Architect. Seams shall be properly located. Furnish battens in place of plain seams when the width, height, or weight of the shade exceeds manufacturer's standards. In absence of such standards, assure proper use of seams or battens as required to, and assure the proper tracking of the railroaded multi-width shade bands.
 4. Provide battens for railroaded shades when width-to-height (W:H) ratios meet or exceed manufacturer's standards. In absence of manufacturer's standards, be responsible for proper use and placement of battens to assure proper tracking and roll of shade bands.

2.6 Components

- A. Access and Material Requirements:
 1. Provide shade hardware allowing for the removal of shade roller tube from brackets without removing hardware from opening and without requiring end or center supports to be removed.

2. Provide shade hardware that allows for removal and re-mounting of the shade bands without having to remove the shade tube, drive or operating support brackets.
 3. Use only Delrin engineered plastics by DuPont for all plastic components of shade hardware. Styrene based plastics, and/or polyester, or reinforced polyester will not be acceptable.
- B. Manual Operated Chain Drive Hardware and Brackets:
1. Provide for universal, regular and offset drive capacity, allowing drive chain to fall at front, rear or non-offset for all shade drive end brackets. Universal offset shall be adjustable for future change.
 2. Provide hardware capable for installation of a removable fascia, for both regular and/or reverse roll, which shall be installed without exposed fastening devices of any kind.
 3. Provide shade hardware system that allows for removable regular and/or reverse roll fascias to be mounted continuously across two or more shade bands without requiring exposed fasteners of any kind.
 4. Provide shade hardware system that allows for operation of multiple shade bands (multi-banded shades) by a single chain operator, subject to manufacturer's design criteria. Connectors shall be offset to assure alignment from the first to the last shade band.
 5. Provide shade hardware system that allows multi-banded manually operated shades to be capable of smooth operation when the axis is offset a maximum of 6 degrees on each side of the plane perpendicular to the radial line of the curve, for a 12 degrees total offset.
 6. Provide positive mechanical engagement of drive mechanism to shade roller tube. Friction fit connectors for drive mechanism connection to shade roller tube are not acceptable
 7. Provide shade hardware constructed of minimum 1/8-inch (3.18 mm) thick plated steel or heavier as required to support 150 percent of the full weight of each shade.
- C. Drive Bracket/Brake Assembly:
1. MechoShade Drive Bracket Model M5 shall be fully integrated with all MechoShade accessories, including, but not limited to, SnapLoc fascia, room darkening side/sill channels, center supports, and connectors for multi-banded shades.
 2. M5 drive sprocket and brake assembly shall rotate and be supported on a welded 3/8 inch steel pin.
 3. The brake shall be an over - running clutch design which disengages to 90 percent during the raising and lowering of a shade. The brake shall withstand a pull force of 50 lbs. in the stopped position.

4. The braking mechanism shall be applied to an oil-impregnated hub on to which the brake system is mounted. The oil impregnated hub design includes an articulated brake assembly, which assures a smooth, non-jerky operation in raising and lowering the shades. The assembly shall be permanently lubricated. Products that require externally applied lubrication and or not permanently lubricated are not acceptable.
 5. The entire M5 assembly shall be fully mounted on the steel support bracket, and fully independent of the shade tube assembly, which may be removed and reinstalled without effecting the roller shade limit adjustments.
- D. Drive Chain: #10 qualified stainless steel chain rated to 90 pounds minimum breaking strength. Nickel plate chain shall not be accepted.

2.7 Accessories

- A. Roller Shade Pocket for recessed mounting in acoustical tile, or drywall ceilings as indicated on the Drawings.
- B. Provide either extruded aluminum and or formed steel shade pocket, sized to accommodate roller shades, with exposed extruded aluminum closure mount, tile support and removable closure panel to provide access to shades.
1. Provide "Vented Pocket" such that there will be a minimum of four 1 inch diameter holes per foot allowing the solar gain to flow above the ceiling line.
- C. Fascia:
1. Continuous removable extruded aluminum fascia that attaches to shade mounting brackets without the use of adhesives, magnetic strips, or exposed fasteners.
 2. Fascia shall be able to be installed across two or more shade bands in one piece.
 3. Fascia shall fully conceal brackets, shade roller and fabric on the tube.
 4. Provide bracket/fascia end caps where mounting conditions expose outside of roller shade brackets.
 5. Notching of Fascia for manual chain shall not be acceptable.
 6. Color: Custom Kynar color as selected by Architect.

3 Execution

3.1 Examination

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

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

3.2 Preparation

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 Installation

- A. Install roller shades level, plumb, square, and true according to manufacturer's written instructions, and located so shade band is not closer than 2 inches (50 mm) to interior face of glass. Allow proper clearances for window operation hardware.
- B. Adjust and balance roller shades to operate smoothly, easily, safely, and free from binding or malfunction throughout entire operational range.
- C. Clean roller shade surfaces after installation, according to manufacturer's written instructions.
- D. Engage Installer to train Owner's maintenance personnel to adjust, operate and maintain roller shade systems.

3.4 Protection

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

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E-002	ELECTRICAL SITE PLAN
ED101	UNIT "A" ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED102	UNIT "B" ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED103	UNIT "C" ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED104	BASEMENT CHILLER ROOM ELECTRICAL LOWER LEVEL DEMOLITION PLAN

EL101	UNIT "A"	ELECTRICAL FIRST FLOOR LIGHTING PLAN
EL102	UNIT "B"	ELECTRICAL FIRST FLOOR LIGHTING PLAN
EL103	UNIT "C"	ELECTRICAL FIRST FLOOR LIGHTING PLAN
EL104	UNIT "D"	ELECTRICAL FIRST FLOOR LIGHTING PLAN
EL105	BASEMENT CHILLER ROOM	ELECTRICAL LOWER LEVEL LIGHTING PLAN

EP101	UNIT "A"	ELECTRICAL FIRST FLOOR POWER PLAN
EP102	UNIT "B"	ELECTRICAL FIRST FLOOR POWER PLAN
EP103	UNIT "C"	ELECTRICAL FIRST FLOOR POWER PLAN
EP104	UNIT "D"	ELECTRICAL FIRST FLOOR POWER PLAN
EP105	BASEMENT CHILLER ROOM ELECTRICAL LOWER LEVEL POWER PLAN	

EP201 ELECTRICAL POWER ROOF PLAN

EP401 ENLARGED ELECTRICAL FIRST FLOOR POWER PLAN

E-501 ELECTRICAL DETAILS & DIAGRAMS
E-502 ELECTRICAL SCHEDULES, NOTES, DETAILS & DIAGRAMS
E-503 ELECTRICAL DETAILS
E-504 ELECTRICAL DETAILS & NOTES
E-505 ELECTRICAL NOTES

E-601	ELECTRICAL PANEL SCHEDULES
E-602	ELECTRICAL PANEL SCHEDULES

TS-1001	TELECOMMUNICATIONS LEGEND
TS-100	TELECOMMUNICATIONS SITE PLAN
TS-501	TELECOMMUNICATIONS SITE PLAN DETAILS
TD100	OVERALL TELECOMMUNICATIONS FIRST FLOOR DEMO PLAN
TD101	OVERALL "A" TELECOMMUNICATIONS FIRST FLOOR DEMO PLAN
TD102	OVERALL "B" TELECOMMUNICATIONS FIRST FLOOR DEMO PLAN
TD103	OVERALL "C" TELECOMMUNICATIONS FIRST FLOOR DEMO PLAN
T-100	OVERALL TELECOMMUNICATIONS FIRST FLOOR PLAN
T-101	OVERALL "A" TELECOMMUNICATIONS FIRST FLOOR PLAN
T-102	OVERALL "B" TELECOMMUNICATIONS FIRST FLOOR PLAN
T-103	OVERALL "C" TELECOMMUNICATIONS FIRST FLOOR PLAN
T-104	OVERALL "D" TELECOMMUNICATIONS FIRST FLOOR PLAN
T-401	TELECOMM ROOM C-127 ENLARGED DETAILS
T-401A	TELECOMM ROOM C-127 ENLARGED DETAILS
T-402	TELECOMM ROOM A-113 ENLARGED DETAILS
T-403	TELECOMM ROOM B-141 ENLARGED DETAILS
T-404	TELECOMM ROOM D-114 ENLARGED DETAILS
T-501	OUTLET DETAILS
T-502	OUTLET OF DETAIL
T-503	TELECOMMUNICATIONS ROOM DETAILS
T-511	TELECOMMUNICATIONS DETAILS
T-601	TELECOMMUNICATIONS DIAGRAMS
T-701	TELECOMMUNICATIONS PATHWAY AND ROUGH-IN
T-702	TELECOMMUNICATIONS PATHWAY AND ROUGH-IN
T-741	AUDIO VISUAL ROUGH-IN DETAILS
T-742	AUDIO VISUAL ROUGH-IN DETAILS
T-771	SECURITY ROUGH-IN DETAILS

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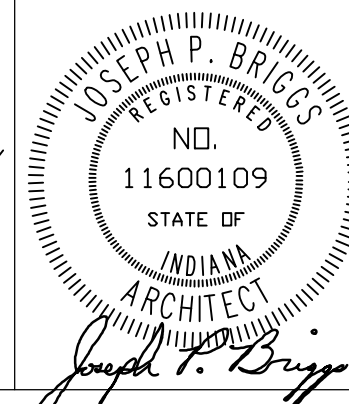
**DOUGLAS
MACARTHUR
ES ADDITIONS
AND
RENOVATIONS**

CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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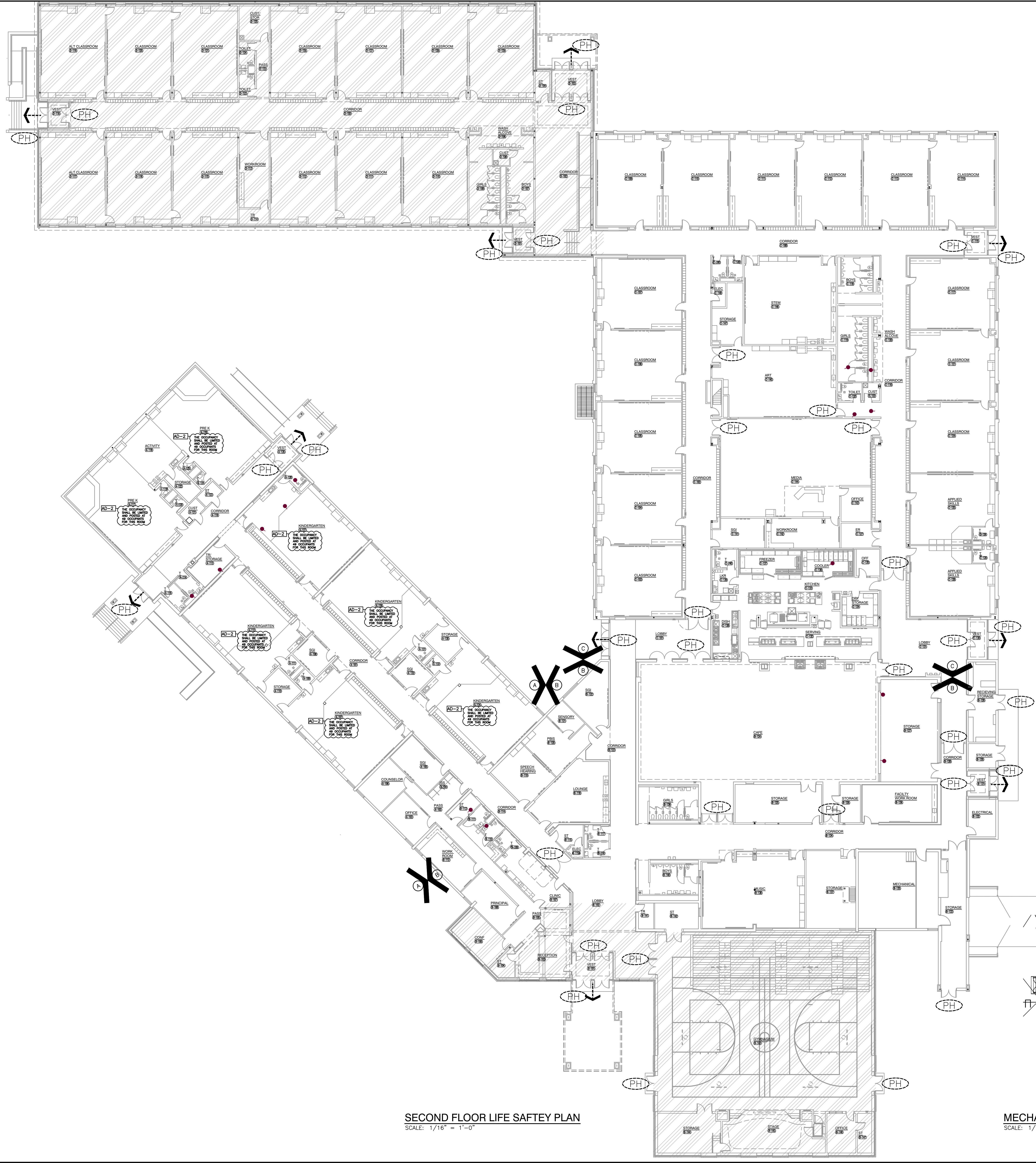
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SHEET INDEX - VOLUME 2

PROJECT
DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

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G-104

Wednesday, 2/16/2022 - 5:42 PM - LAST SAVED BY:WESLEY
Y:\21-113 CROWN POINT CSC - MACARTHUR ES ADDITION
AND RENOVATIONS\21-113 DRAWINGS\02 GEN'G-201.DWG



SECOND FLOOR LIFE SAFTEY PLAN
SCALE: 1/16" = 1'-0"

MECHANICAL MEZZANINE LIFE SAFTEY PLAN
SCALE: 1/16" = 1'-0"

LIFE SAFETY GENERAL NOTE:

LIFE SAFETY INFORMATION IS PROVIDED FOR USE BY ALL CONTRACTORS. CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH CODE REQUIREMENTS (INCLUDING BUT NOT LIMITED TO: RATED ASSEMBLIES, FIRE PROTECTION, FIRESTOPPING, DAMPERS, AND HARDWARE) INDICATED INCLUDING CONDITIONS WHERE THESE REQUIREMENTS ARE NOT DETAILED. REPORT CONFLICTS OR DISCREPANCIES TO THE ARCHITECT FOR RESOLUTION PRIOR TO STARTING WORK.

Applicable Code:	2014 Indiana Building Code (IBC 2012)
Occupancy Classifications:	Educational use areas for elementary school students - E Occupancy [305.1] Assembly uses accessory to an E Occupancy are not considered separate occupancies [303.1.3]
Scope of Project:	The project involves renovation of and existing building. One story of classroom space will be added to the South West. Addition and renovation to the Main Entry will occur to the East. A new Gymnasium will be added to the East.
Code Strategy:	The addition is allowed to be unseparated from existing building based on compliance with the current code for allowable area and height. The existing building and new additions will be equipped with an automatic sprinkler system.
Construction Type:	Type II B (unprotected) Construction permitted based upon allowable area. [503.1]
Allowable Area:	Unlimited area permitted based upon provisions for 2-story E Occupancy schools provided with sprinkler protection and a minimum of 60 feet surrounding the building. [507.4] AD-2
Allowable Height:	3 Stories allowed [504.2] 1 Story actual
Building Elements - Fire Resistive Requirements:	Bearing walls, structural frame, floor assemblies, and roof assembly are permitted to be of nonrated noncombustible construction [Table 601] Exterior walls are permitted to be nonrated based upon having a fire separation distance of 10 feet or more [Table 602] Penetrations through fire-resistance-rated assemblies shall be provided with firestopping per project manual. Ceiling and floor openings through non-fire-resistance-rated assemblies shall be provided with fireblocking per project manual. All annular space at floor penetrations and floor openings in new construction and areas of renovation shall be filled with an approved non-combustible material (fireblocking per project manual) to resist the free passage of flame and the product of combustion [713.4.2]
Incidental Use Separations:	None applicable to this project [Table 509.2]
Occupant Load Factors:	Gymnasium - row seating 7 sf per occupant Bleachers - fixed seating 1 person per 18" of length Platform 15 sf per occupant Office 100 sf per occupant Storage/Mechanical 300 sf per occupant
Egress Corridors:	Corridors is permitted to be of nonrated construction, based upon sprinkler protection. [Table 1018.1]
Means of Egress:	2 means of egress are required from rooms with a calculated occupant load of 50 or more, or where exceeding 75 feet common path of travel in E Occupancy spaces and 100 feet in B Occupancy spaces [1015.1]
Exit Access Travel Distance:	The maximum travel distance to an exterior exit is permitted to be a maximum of 250 feet [1016.1]
Panic Hardware:	Panic hardware is required on all means of egress doors serving an occupant load of 50 or more [1008.1.9]
Automatic Sprinklers:	Automatic sprinklers are required throughout due to E Occupancy fire area exceeding 12,000 sq ft [903.2.3]
Standpipes:	Class I Standpipes not required based automatic sprinkler protection throughout the building [905.3.1.1]
Fire Alarm System:	Fire alarm system required throughout - manual pull stations are not required based upon automatic sprinkler initiation of the system. [907.2.9, exc. 3]
Smoke Detectors:	Smoke detectors are required for HVAC shutdown for systems delivering in excess of 2,000 cfm. [606.1, IMC]

LIFE SAFETY PLAN LEGEND

- DOORS WITH PANIC HARDWARE (PH)
- MAJOR EGRESS ROUTES ----->
- AREA OF NEW CONSTRUCTION [Hatched Box]

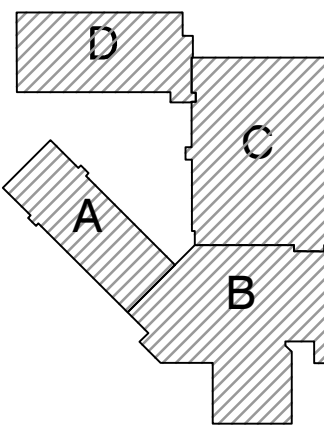
SQUARE FOOTAGE ANALYSIS

EXISTING FIRST FLOOR	70,699 SQ. FT.
EXISTING TOTAL	70,699 SQ. FT.
NEW FIRST FLOOR WEST	19,848 SQ. FT.
NEW FIRST FLOOR EAST	9,971 SQ. FT.
NEW MECHANICAL MEZ.	2,084 SQ. FT.
NEW TOTAL	31,903 SQ. FT.
GRAND TOTAL	102,602 SQ. FT.



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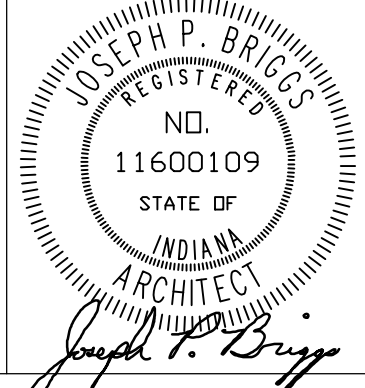
PROJECT
**DOUGLAS
MACARTHUR
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AND
RENOVATIONS**
CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA



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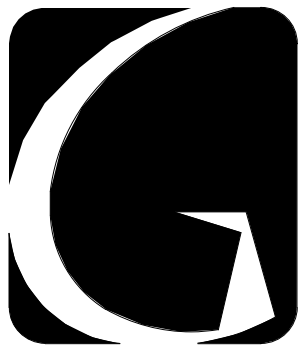
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LIFE SAFETY PLANS

PROJECT
**DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS**

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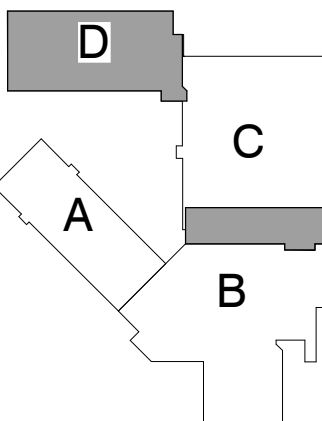


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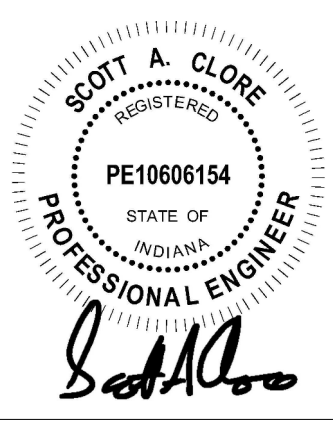
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FOUNDATION PLAN - UNITS

C & D

PROJECT

DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

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S-202

TRENCH FOOTING SCHEDULE

FTG. MARK	FOOTING SIZE		FOOTING REINFORCING	
	WIDTH	DEPTH	LONGITUDINAL	TRANSVERSE
TF24	2'-0"	2'-4"	(3) #6 x CONTINUOUS	#3 x 1'-6" @ 96" O.C.
TF30	2'-6"	2'-8"	(4) #6 x CONTINUOUS	#3 x 2'-0" @ 96" O.C.
TF30A	2'-6"	2'-4"	(4) #6 x CONTINUOUS	#3 x 2'-0" @ 96" O.C.
TF38	3'-0"	2'-8"	(5) #6 x CONTINUOUS	#4 x 2'-6" @ 96" O.C.
TF48	4'-0"	2'-4"	(6) #6 x CONTINUOUS	#4 x 3'-6" @ 12" O.C.

1. CENTER FOOTINGS BENEATH WALLS, U.N.O.

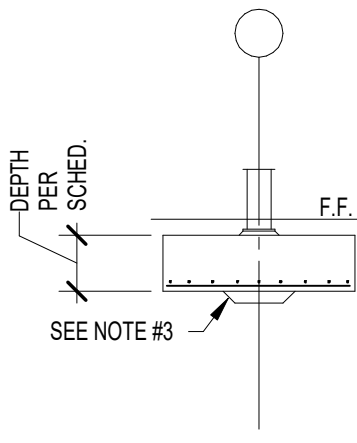
2. TRENCH FOOTINGS MAY BE CAST DIRECTLY AGAINST SOIL WITHOUT FORMING WHERE EXISTING SOIL CONDITIONS PERMIT. FORM TOP OF TRENCH FOOTINGS WHERE SOIL HAS SLOUGHED SIGNIFICANTLY. WHERE GRADE IS LOWER THAN THE INDICATED TOP OF FOOTING ELEVATION, OR WHEREVER TRENCH FOOTING WOULD INTERFERE WITH THE INSTALLATION OF DOWNSPOUTS, CONDUIT, BOLLARDS, ETC. COORDINATE WITH MECHANICAL, ELECTRICAL, PLUMBING & SITE/CIVIL DRAWINGS.

3. INTERIOR OF TRENCH FOOTING SHALL BE FORMED WITH RIGID INSULATION. TAKE CARE IN TRIMMING INTERIOR FACE OF EXCAVATION TO MINIMIZE GAPS BEHIND THE INSULATION. FILL WITH 8" CRUSHED STONE, TAMPING AND COMPACTING WHERE SPACE PERMITS.

COLUMN FOOTING SCHEDULE

NOTES:

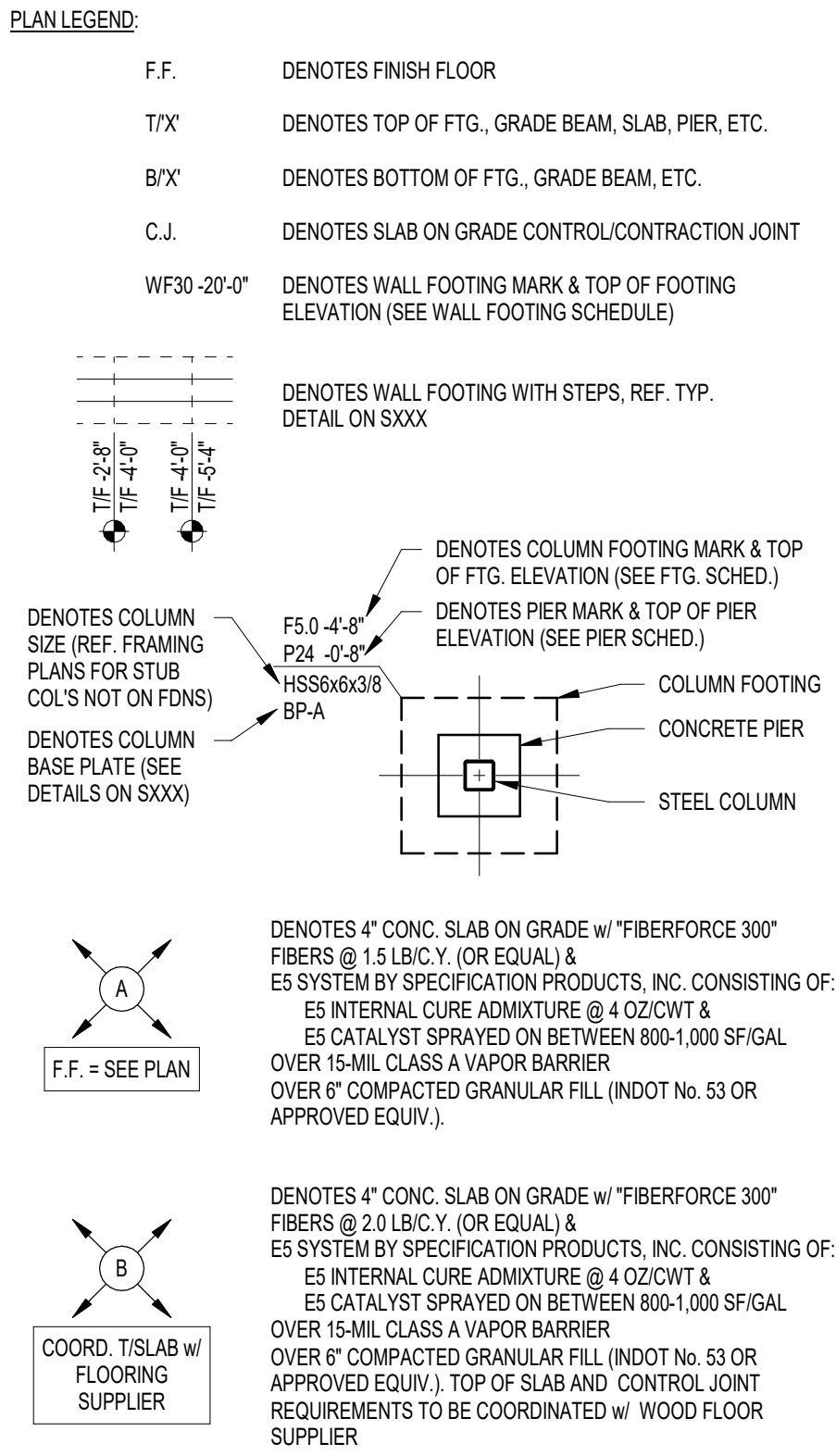
1. CENTER FOOTINGS BENEATH COLUMNS, U.N.O.
 2. ALL FOOTINGS MUST BE BOARD-FORMED, UNLESS APPROVED.
 3. INCREASE FOOTING DEPTH WHERE REQ'D TO ENCASE COLUMN ANCHOR RODS.
- NOTE: WF STEEL COLUMN SHOWN, TUBES, PIPES, C.I.P. CONCRETE, PRECAST & MASONRY COLUMNS SIM.

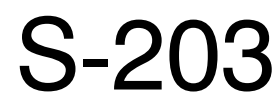
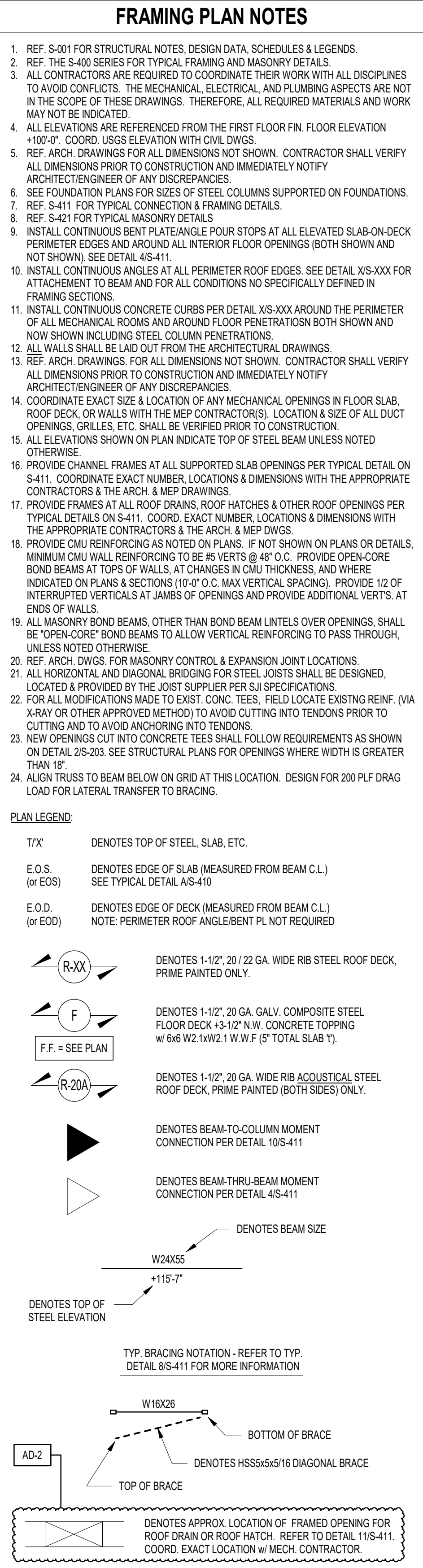


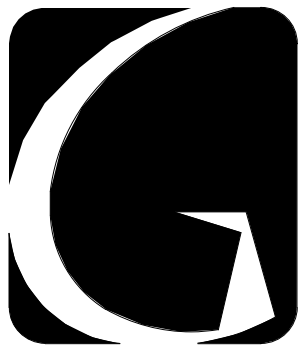
FOOTING MARK	LENGTH	WIDTH	DEPTH	REINFORCING EACH WAY
F4.0	4'-0"	4'-0"	1'-2"	(5) #5 x 3'-6"
F5.0	5'-0"	5'-0"	1'-2"	(6) #5 x 4'-6"
F6.0	6'-0"	6'-0"	1'-2"	(7) #5 x 5'-6"
F6.0.5	6'-0"	6'-0"	2'-8"	(7) #5 x 5'-6"
F7.0	7'-0"	7'-0"	1'-4"	(6) #6 x 6'-6"
F7.0E	7'-0"	7'-0"	2'-8"	(6) #6 x 6'-6"
F8.4	4'-0"	8'-0"	1'-2"	(8) #5 x 4'-6" (7) #7 x 7'-6"
F10.6	6'-0"	10'-0"	1'-10"	(9) #7 x 5'-6" (7) #7 x 8'-6"
F12.6	6'-0"	12'-0"	1'-2"	(11) #7 x 5'-6" (5) #7 x 11'-6"

FOUNDATION PLAN NOTES

1. REF. S-401 FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
2. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
3. COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FOUNDATION WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.
4. ALL ELEVATIONS ARE REFERRED TO THE FIRST FLOOR FINISH FLOOR ELEVATION 100'-0". REFER TO THE SITE/CIVIL DWGS. FOR EXACT U.S.G.S. ELEVATION.
5. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
6. REF. S-401 FOR TYPICAL FOUNDATION DETAILS.
7. NOTE: PERIMETER WALL AND COLUMN FOOTINGS SHALL BE LOWERED AND/OR SLEAVED TO PASS BELOW PLUMBING LINES (I.E. SANITARY & STORM SEWERS, WATER LINES, ETC.) SHOWN ON THE PLUMBING DRAWINGS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL DETAILS ON S-401.
8. ALL SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS AND/OR THE FLOORING SUPPLIER.
9. COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REINF. NOTED ON PLANS & SECTIONS.
10. GROUT ALL CORES OF CMU BELOW FINISH FLOOR SOLID.
11. COLUMN FOOTINGS, TRENCH FOOTINGS AND WALL FOOTINGS SHALL BEAR ON APPROVED SOIL. UNDERCUT AS REQ'D TO SUITABLE BEARING MATERIAL AS DETERMINED BY THE GEOTECHNICAL TESTING AGENCY. REF. TYPICAL FOOTING UNDERCUT DETAIL ON SHEET S-401.
12. COLUMN FOOTINGS SUPPORTING MORE THAN ONE COLUMN SHALL BE CENTERED AT THE MIDPOINT BETWEEN THE COLUMNS, UNLESS NOTED OTHERWISE ON PLAN.
13. WALL EX. CONSTRUCTION SHOWN IN PLAN AND/OR SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN INFO SHOWN ON THE DRAWINGS AND ACTUAL CONDITIONS IMMEDIATELY CONTACT ARCHITECT/ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
14. PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. SEE SHEET S-401 FOR THICKENED SLAB DETAIL. LAYOUT THICKENED SLABS FROM DIMENSIONS ON THE ARCHITECT FLOOR PLANS.
15. PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS ON GRADE (REF. THE TYPICAL DETAILS ON SHEET S-401). ALL JOINTS IN SLABS TO RECEIVE THIN OR THICK-SET TERRAZZO, CERAMIC OR PORCELAIN TILE, VINYL-COMPOSITION TILE (VCT) OR VINYL SHEET GOODS, EPOXY OR SIMILAR THIN-FILM FINISH FLOORING SHALL BE CAREFULLY COORDINATED WITH THE FLOORING CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SLAB JOINT LAYOUT TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACING SLABS.
16. DENOTES VOID SLAB AT EXTERIOR ENTRANCES. SEE DETAILS ON SHEET S-402.





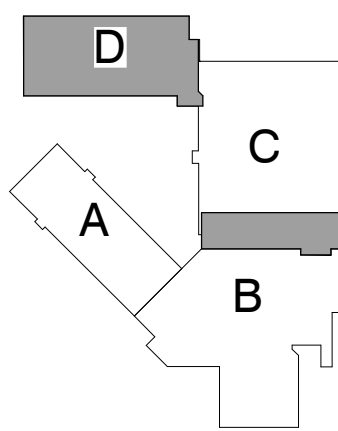


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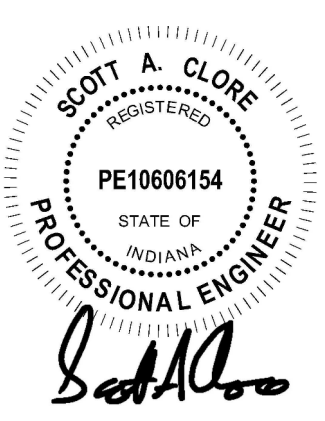
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AD-2 02/21/2022 ADDENDUM #2

DRAWING
**ROOF FRAMING PLAN -
UNITS C & D**

PROJECT
**DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS**

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S-205

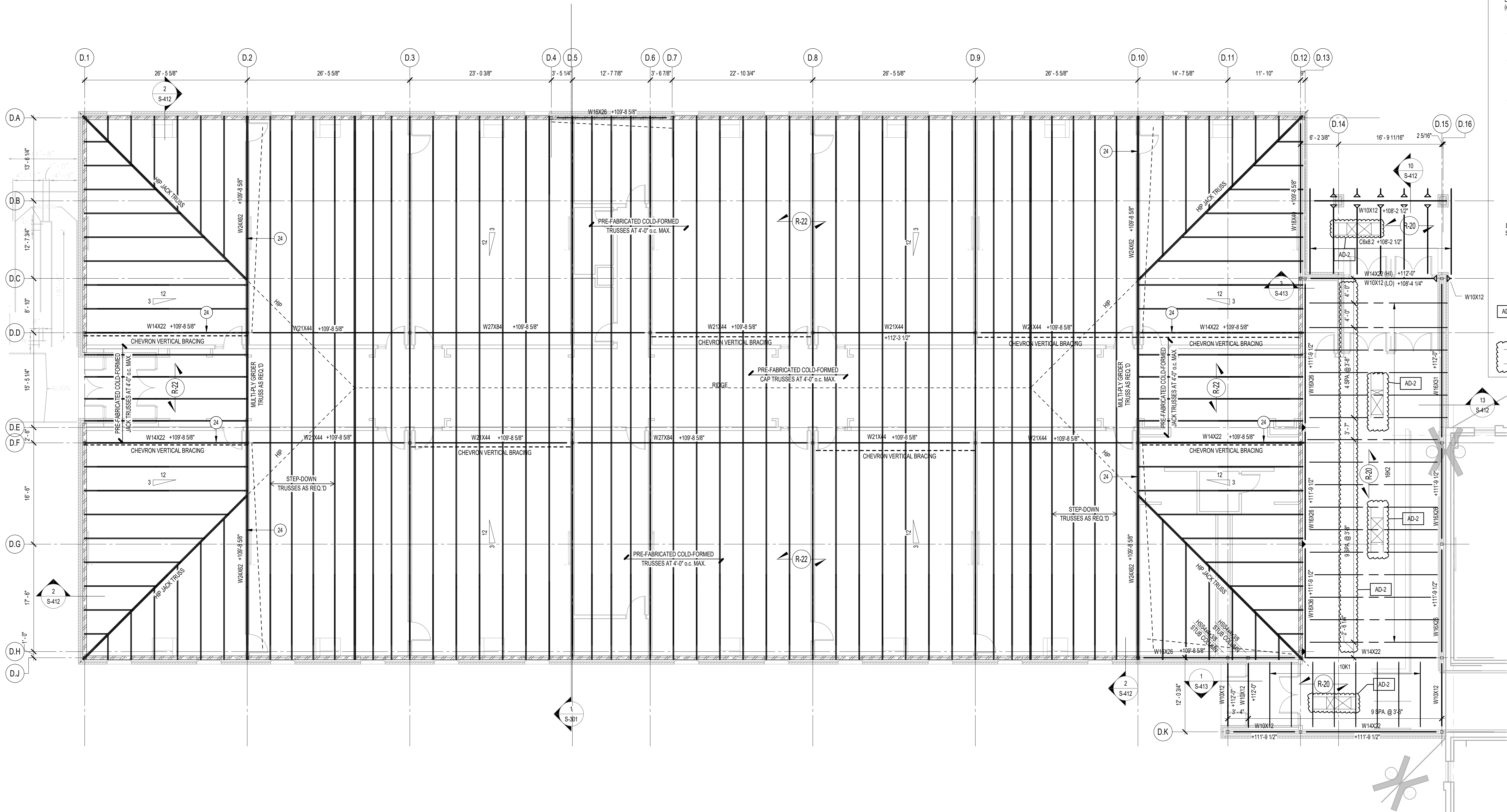
FRAMING PLAN NOTES

1. REF. S-001 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
2. REF. THE S-003 SERIES FOR TYPICAL FRAMING AND MASONRY DETAILS.
3. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
4. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FIN. FLOOR ELEVATION +100'-0". COORD. USGS ELEVATION WITH CIVIL DWGS.
5. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
6. SEE FOUNDATION PLANS FOR SIZES OF STEEL COLUMNS SUPPORTED ON FOUNDATIONS.
7. REF. S-411 FOR TYPICAL CONNECTION & FRAMING DETAILS.
8. REF. S-421 FOR TYPICAL MASONRY DETAILS.
9. INSTALL CONTINUOUS BENT PLATE/ANGLE POUR STOPS AT ALL ELEVATED SLAB-ON-DECK PERIMETER EDGES AND AROUND ALL INTERIOR FLOOR OPENINGS (BOTH SHOWN AND NOT SHOWN). SEE DETAIL 4S-411.
10. INSTALL CONTINUOUS ANGLES AT ALL PERIMETER ROOF EDGES. SEE DETAIL XS-XXX FOR ATTACHMENT TO BEAM AND FOR ALL CONDITIONS NOT SPECIFICALLY DEFINED IN FRAMING SECTIONS.
11. INSTALL CONTINUOUS CONCRETE CURBS PER DETAIL XS-XXX AROUND THE PERIMETER OF ALL MECHANICAL ROOMS AND AROUND FLOOR PENETRATIONS BOTH SHOWN AND NOW SHOWN INCLUDING STEEL COLUMN PENETRATIONS.
12. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
13. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
14. COORDINATE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEET CONTRACTOR(S). LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
15. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL BEAM UNLESS NOTED OTHERWISE.
16. PROVIDE CHANNEL FRAMES AT ALL SUPPORTED SLAB OPENINGS PER TYPICAL DETAIL ON S-411. COORDINATE EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DWG(S).
17. PROVIDE FRAMES AT ALL ROOF DRAINS, ROOF HATCHES & OTHER ROOF OPENINGS PER TYPICAL DETAILS ON S-411. COORD. EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DWG(S).
18. PROVIDE CMU REINFORCING AS NOTED ON PLANS. IF NOT SHOWN ON PLANS OR DETAILS, MINIMUM CMU WALL REINFORCING TO BE #5 VERTS @ 48" O.C. PROVIDE OPEN-CORE BOND BEAMS AT TOPS OF WALLS. AT CHANGES IN CMU THICKNESS, AND WHERE INDICATED ON PLANS & SECTIONS (10'-0" O.C. MAX VERTICAL SPACING). PROVIDE 1/2 OF INTERRUPTED VERTICALS AT JAMBS OF OPENINGS AND PROVIDE ADDITIONAL VERTS. AT ENDS OF WALLS.
19. ALL MASONRY BOND BEAMS, OTHER THAN BOND BEAM LINTELS OVER OPENINGS, SHALL BE "OPEN-CORE" BOND BEAMS TO ALLOW VERTICAL REINFORCING TO PASS THROUGH, UNLESS NOTED OTHERWISE.
20. REF. ARCH. DWGS. FOR MASONRY CONTROL & EXPANSION JOINT LOCATIONS.
21. ALL HORIZONTAL AND DIAGONAL BRIDGING FOR STEEL JOISTS SHALL BE DESIGNED, LOCATED & PROVIDED BY THE JOIST SUPPLIER PER SJI SPECIFICATIONS.
22. FOR ALL MODIFICATIONS MADE TO EXIST. CONC. TEES, FIELD LOCATE EXISTING REINF. (VIA X-RAY OR OTHER APPROVED METHOD) TO AVOID CUTTING INTO TENDONS PRIOR TO CUTTING AND TO AVOID ANCHORING INTO TENDONS.
23. NEW OPENINGS CUT INTO CONCRETE TEES SHALL FOLLOW REQUIREMENTS AS SHOWN ON DETAIL 2S-203. SEE STRUCTURAL PLANS FOR OPENINGS WHERE WIDTH IS GREATER THAN 18".
24. ALIGN TRUSS TO BEAM BELOW ON GRID AT THIS LOCATION. DESIGN FOR 200 PLF DRAG LOAD FOR LATERAL TRANSFER TO BRACINGS.

PLAN LEGEND

- T/X' DENOTES TOP OF STEEL SLAB, ETC.
- E.O.S. (or EDS) DENOTES EDGE OF SLAB (MEASURED FROM BEAM C.L.) SEE TYPICAL DETAIL AS-410
- E.O.D. (or EOD) DENOTES EDGE OF DECK (MEASURED FROM BEAM C.L.) NOTE: PERIMETER ROOF ANGLE/BENT PL NOT REQUIRED
- DENOTES 1-1/2" x 20 GA. WIDE RIB STEEL ROOF DECK. PRIME PAINTED ONLY.
- DENOTES 1-1/2" x 20 GA. GALV. COMPOSITE STEEL FLOOR DECK + 3 1/2" MIN. CONCRETE TOPPING w/ 6# W2.1W2.1 (W.W.F. 5" TOTAL SLAB T).
- F.F. = SEE PLAN
- DENOTES 1-1/2" x 20 GA. WIDE RIB ACoustICAL STEEL ROOF DECK, PRIME PAINTED (BOTH SIDES) ONLY.
- DENOTES BEAM-TO-COLUMN MOMENT CONNECTION PER DETAIL 10S-411
- DENOTES BEAM-BEAM MOMENT CONNECTION PER DETAIL 4S-411
- DENOTES BEAM SIZE
- DENOTES TOP OF STEEL ELEVATION
- TYP. BRACING NOTATION - REFER TO TYP. DETAIL 8S-411 FOR MORE INFORMATION
- BOTTOM OF BRACE
- TOP OF BRACE
- DENOTES APPROX. LOCATION OF FRAMED OPENING FOR ROOF DRAIN OR ROOF HATCH. REFER TO DETAIL 11S-411. COORD. EXACT LOCATION w/ MEET CONTRACTOR

2 PARTIAL ROOF FRAMING PLAN - UNIT C
1/8" = 1'-0"



DEMOLITION PLAN NOTES CONTINUED :

- 68 REMOVE EXISTING FIRE EXTINGUISHER CABINETS. AT MASONRY WALLS PREPARE OPENING FOR NEW FIRE EXTINGUISHER CABINET. AT STUD WALLS INFILL OPENING TO MATCH EXISTING CONSTRUCTION AND CUT NEW OPENING FOR NEW FIRE EXTINGUISHER CABINET AT NEW MOUNTING HEIGHT, REFER TO G-301.
- 69 REMOVE EXISTING POWER POLES REFER TO ELECTRICAL.
- 70 REMOVE EXISTING METAL DIVIDER, TRACK AND DOOR. INFILL OPENING TO MATCH EXISTING MASONRY WALL CONSTRUCTION.
- 71 REMOVE EXISTING WINDOW, SILL, FASCIA, DRIP, FACE BRICK AND REINSTALL AS REQUIRED TO TOOTH IN NEW FACE BRICK WITH EXISTING.
- 72 REMOVE ALUMINUM DIVIDER RAIL, PATCH AND REPAIR FLOOR AS REQUIRED TO RECEIVE NEW FINISHES AT INTERIOR LOCATION.
- 73 REMOVE EXISTING SEALANT COMPLETE. CLEAR ALUMINUM FRAME FREE OF OXIDATION, PREP ALUMINUM FRAME AND ALL ADJACENT SURFACES TO RECEIVE NEW SEALANT BED.
- 74 PREPARE EXISTING MECHANICAL AND MASONRY OPENING TO RECEIVE MASONRY INFILL AND 2" RIGID INSULATION
- 75 REMOVE EXISTING KILN. INFILL METAL DECK PENETRATION FOR INTEGRITY.
- 76 REMOVE EXISTING LIMESTONE VENEER AND ASSOCIATED ASSEMBLIES COMPLETE. PREP TO RECEIVE NEW CONSTRUCTION.
- 77 EXISTING AREAWAY ASSOCIATED STRUCTURAL GRATE TO REMAIN. REFER TO CIVIL/ MEP FOR WORK IN THIS AREA.
- 78 TEMPORARILY REMOVE DISPLAY WALL OBJECTS AS REQUIRED TO RECEIVE NEW FINISHES. CONFIRM WITH OWNER AND REINSTALL COMPLETE.
- 79 DEMOLISH EXISTING TERRAZZO AND CONCRETE SLAB COMPLETE. LINE OF SLAB DEMOLITION.
- 80 REMOVE EXISTING FIRE EXTINGUISHER AND MOUNTING HARDWARE IN ITS ENTIRETY. PATCH AND REPAIR WALL TO MAKE LIKE NEW.
- 81
- 82 MODIFY EXISTING BULKHEAD AS REQUIRED FOR NEW CONSTRUCTION.

DEMOLITION PLAN NOTES CONTINUED :

- 38 REMOVE EXISTING MECHANICAL LOUVER IN ITS ENTIRETY.
- 39 REMOVE EXISTING PLASTER SOFFIT, SOFFIT PRIMARY STEEL STRUCTURE TO REMAIN. SUSPENSION SYSTEM TO BE REMOVED
- 40 REMOVE GLAZING AND PREPARE WINDOW FOR NEW SPANDREL PANELS.
- 41 REMOVE EXISTING GYPSUM BOARD AND WOOD Furring. PATCH AND REPAIR ADJACENT GYPSUM BOARD WHERE APPLICABLE.
- 42 REMOVE EXISTING ROOF OVERHANG AS REQUIRED FOR NEW CONSTRUCTION.
- 43 REMOVE EXISTING LOUVER IN ITS ENTIRETY.
- 44 ALTERNATE: REMOVE METAL STUDS AND GYPSUM BOARD WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH AND REPAIR TO RECEIVE NEW ROOF PATCH AND REPAIR TO RECEIVE NEW FINISHES.
- 45 ALTERNATE: EXISTING DOOR FRAME TO REMAIN. REMOVE DOOR, TRANSOM, AND HARDWARE.
- 46 REMOVE EXISTING WALL OVEN AND COOK TOP IN ITS ENTIRETY.
- 47 REMOVE EXISTING PLASTER/GYPSUM BOARD WALL AND METAL STUD FRAMING AND EMBEDDED GLASS WALL SYSTEM AND WOOD TRIM.
- 48 REMOVE PADDED WALLS, WOOD TRIM, AND BASE.
- 49 REMOVE WOOD TRIM AND TACKABLE WALL COMPLETE.
- 50 EXISTING CANOPY AND ASSOCIATED STRUCTURE TO REMAIN.
- 51 REMOVE WOOD TRIM, TACKABLE WALL, BASE, AND STRUCTURE.
- 52 REMOVE TACKABLE WALL. PANEL COMPLETE.
- 53 REMOVE CONTINUOUS BACKSLASH TO UPPER CABINETS COMPLETE.
- 54 REMOVE PORTION OF EXISTING MASONRY WALL TO INSTALL NEW BUILDING STRUCTURE.
- 55 REFER TO ELECTRICAL DRAWINGS FOR WORK IN THIS AREA.
- 56 REMOVE EXISTING CHAIR RAIL AND SILL.
- 57 REMOVE EXISTING ACT CEILING GRID BULKHEAD COMPLETE.
- 58 BUSH HAMMER EXISTING TERRAZZO AS REQUIRED FOR NEW LEVEL FLOOR FINISHES. PROVIDE LEVELING COMPOUND AS REQUIRED.
- 59 REMOVE AND PROTECT EXISTING CLASS PHOTOS AND AWARDS. COORDINATE WITH OWNER FOR RELOCATION.
- 60 REMOVE EXISTING CERAMIC TILE AND CONCRETE CURB COMPLETE TO RECEIVE NEW CONSTRUCTION.
- 61 EXISTING DOOR FRAME TO REMAIN. REMOVE DOOR, TRANSOM, AND HARDWARE.
- 62 REMOVE EXISTING DEPRESSED SLAB TO RECEIVE NEW FLOOR CONSTRUCTION AT EXISTING FINISHED FLOOR, REFER TO STRUCTURAL AND MEP DRAWINGS.
- 63 DEMOLISH EXISTING WOOD STRUCTURE EXTENDING TO EXISTING CEILING.
- 64 DEMOLISH EXISTING TERRAZZO AND INFILL WITH LIGHTWEIGHT CONCRETE. PREP AND DOWEL EXISTING AND NEW SLAB, REFER TO STRUCTURAL DRAWINGS.
- 65 DEMOLISH EXISTING TERRAZZO TILE COMPLETE. BUSH HAMMER HIGH SPOTS AT TRANSITIONS. PREP AND DOWEL EXISTING AND NEW SLAB, REFER TO STRUCTURAL DRAWINGS.
- 66 DEMOLISH EXISTING TERRAZZO, CONCRETE SLAB, AND INSULATION TO BASE SLAB BELOW COMPLETE.
- 67 BUSH HAMMER EXISTING CONCRETE AS REQUIRED FOR NEW LEVEL FLOOR FINISHES. PROVIDE LEVELING COMPOUND AS REQUIRED.

GENERAL DEMOLITION NOTES:

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI SERIES SHEETS.
- B. UNLESS NOTED OTHERWISE ON THIS SHEET, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL WORK INDICATED ON THIS SHEET.
- C. CONTRACTORS ENCOUNTERING EXISTING MATERIAL WHICH IS SUSPECTED OF CONTAINING ASBESTOS SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND THE OWNERS REPRESENTATIVE.
- D. BOLD DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE EXTENT OF DEMOLITION WORK PRIOR TO BIDDING AND FOR COORDINATING THE EXTENT OF DEMOLITION WITH THE INSTALLATION OF NEW SYSTEMS.
- E. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION APPLICABLE TO THEIR SCOPE OF WORK AND AS REQUIRED FOR INSTALLATION OF NEW WORK WHETHER OR NOT IT IS SPECIFICALLY INDICATED OR NOTED IN THESE DOCUMENTS.
- F. REMOVE ALL ITEMS AND FINISHES MADE OBSOLETE BY NEW CONSTRUCTION. VERIFY ITEMS DEEMED OBSOLETE WITH ARCHITECT PRIOR TO REMOVAL. REFER TO NEW CONSTRUCTION DRAWINGS FOR DEMOLITION REQUIRED NOT SHOWN ON DEMOLITION PLANS.
- G. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR OFF SITE REMOVAL OF ALL DEMOLITION MATERIALS AND/OR ITEMS UNLESS NOTED OTHERWISE OR DIRECTED BY THE OWNER.
- H. PRIOR TO STARTING DEMOLITION, CONSTRUCT DUST CONTROL BARRIERS AS REQUIRED TO PREVENT THE SPREAD OF DUST INTO SURROUNDING AREAS (WHERE APPLICABLE).
- I. WHERE BUILDING EGRESS IS REQUIRED TO PASS THROUGH DEMOLITION AREAS, PROVIDE APPROVED BARRIERS, ETC. TO ENSURE SAFETY OF THE PUBLIC.
- J. RELOCATED ITEMS SHALL BE CLEANED AND PLACED IN STORAGE, PER OWNERS' DIRECTION, UNTIL ITEMS ARE READY TO BE INSTALLED. IF ITEMS ARE DAMAGED DURING DEMOLITION OR RELOCATION, THEY SHALL BE REPAIRED OR REPLACED WITH NEW ITEMS AS APPROVED.
- K. DEMOLITION SHALL BE PERFORMED WITHOUT DAMAGE TO EXISTING CONSTRUCTION TO REMAIN. WHERE SUCH DAMAGE OCCURS, PATCH, REPAIR, OR RESTORE WALLS, FLOORS, CEILING, ETC. NEATLY TO MATCH EXISTING ADJACENT SURFACE. PROVIDE SHORING, BRACING, SHIP SUPPORT AS REQUIRED TO PREVENT MOVEMENT OR SETTLEMENT OF EXISTING STRUCTURES.
- L. EACH CONTRACTOR IS RESPONSIBLE FOR CUTTING, PATCHING, AND DISCONNECTION OF ITEMS APPLICABLE TO THEIR SCOPE OF WORK. WHERE EXISTING SERVICES ARE ABANDONED, CAP AT LEAST 1" BEHIND NEW FINISHES AND/OR EXISTING SURFACE AND PATCH AS REQUIRED TO RECEIVE NEW FINISHES OR MATCH EXISTING FINISH.
- M. ON WALLS THAT ARE TO RECEIVE NEW FINISHES, REMOVE AND REINSTALL EXISTING EQUIPMENT TO REMAIN AS REQUIRED FOR INSTALLATION OF NEW FINISHES.
- N. WHERE WALLS OR BULKHEADS ARE REMOVED, PATCH FLOORS, CEILINGS, AND ADJACENT WALLS AS REQUIRED TO MATCH EXISTING OR RECEIVE NEW FINISHES WHERE APPLICABLE. WHERE EXISTING DUCTWORK, PIPING, OR EQUIPMENT IS REMOVED, PATCH OPENINGS AND/OR SURFACES AS REQUIRED TO MATCH ADJACENT SURFACES OR RECEIVE NEW FINISHES WHERE APPLICABLE. REFER TO ALL DEMOLITION DRAWINGS FOR EXTENT OF ITEMS TO REMOVED.
- O. OVER CUT NEW OPENINGS IN EXISTING WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH AND REPAIR WALLS AS REQUIRED TO MATCH EXISTING. WHERE APPLICABLE, TOOTH NEW MASONRY INTO EXISTING MASONRY.
- P. ALL EQUIPMENT AND FURNITURE WHICH ARE CONSIDERED LOOSE FURNISHING SHALL BE REMOVED BY THE OWNER PRIOR TO DEMOLITION.
- Q. MASONRY WALLS TO BE REMOVED SHALL BE REMOVED TO A POINT 4" MINIMUM BELOW THE EXISTING FLOOR SLAB UNLESS SETTING ON A SLAB OR SPECIFICALLY NOTED OTHERWISE. PATCH WITH NEW CONCRETE TO BE FLUSH WITH THE EXISTING FLOOR SLAB.
- R. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL REVIEW OF DEMOLITION NOTES AND GENERAL DEMOLITION NOTES AS THEY APPLY TO THEIR SCOPE OF WORK.
- S. THE OWNER SHALL RESERVE THE RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF SITE.
- T. REFER TO THE STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND TECHNOLOGY DOCUMENTS FOR COMPLETE SCOPE OF DEMOLITION WORK.
- U. "FLOORING" DENOTES FLOOR COVERING MATERIALS INCLUDING BAKING, ADHESIVE AND BASES DOWN TO BUT EXCLUSIVE OF FLOOR SLABS AND STRUCTURAL MATERIALS. UNLESS NOTED OTHERWISE.
- V. DEMOLITION IS TO FOLLOW ESTABLISHED CONSTRUCTION SEQUENCE. REFER TO SPECIFICATIONS AND DRAWINGS FOR REQUIREMENTS AND SPECIAL CONDITIONS.
- W. WHERE APPLICABLE SALVAGE EXISTING MASONRY (FACE BRICK, GLAZED CMU, FACING TILE) AS REQUIRED FOR PATCHING AND INFILL IN RENOVATED AREAS WHERE INDICATED. DISCARD UNUSED PORTION OFF SITE.
- X. EXISTING WALL COVERING, CARPET, OR OTHER FINISH. SURFACE SHALL BE REMOVED AS REQUIRED TO RECEIVE NEW FINISHES.
- Y. WHERE WALL COVERING IS ENCOUNTERED, REMOVE WALL COVERING IN ITS ENTIRETY. PREPARE WALL FOR NEW FINISHES.
- Z. WHERE EXISTING FLOOR SLAB IS DEMOLISHED AND NEW CONSTRUCTION IS OCCURRING, DEMOLISH EXISTING ABANDONED FOUNDATION BELOW GRADE TO ACCOMMODATE NEW CONSTRUCTION.

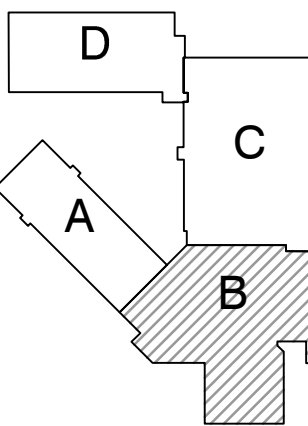
DEMOLITION PLAN NOTES:

- 1 REMOVE VOID SLAB/STOOP/STEPS/RAMP AS REQUIRED FOR NEW CONSTRUCTION. EXISTING VOID SLAB FOUNDATION TO REMAIN.
- 2 REMOVE HOLLOW METAL FRAME AND DOOR AND HARDWARE IN ITS ENTIRETY.
- 3 REMOVE ALUMINUM WINDOW AND/OR STOREFRONT FRAMING, DOORS, AND HARDWARE IN ITS ENTIRETY. REPAIR JAMB AND FLOOR AS REQUIRED FOR NEW FINISH.
- 4 REMOVE CARPET FLOORING SYSTEM AND BASE IN ITS ENTIRETY. PREPARE EXISTING CONCRETE SLAB AS REQUIRED TO RECEIVE NEW FINISHES.
- 5 REMOVE VINYL TILE FLOORING SYSTEM AND BASE IN ITS ENTIRETY. PREPARE EXISTING CONCRETE SLAB AS REQUIRED TO RECEIVE NEW FINISHES.
- 6 REMOVE CERAMIC TILE FLOORING SYSTEM IN ITS ENTIRETY. PREPARE EXISTING CONCRETE SLAB AS REQUIRED TO RECEIVE NEW FINISHES.
- 7 REMOVE TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY. PREPARE EXISTING CONCRETE SLAB AS REQUIRED TO RECEIVE NEW FINISHES. PROVIDE TOPPING SLAB AND FLOOR LEVEL AS REQUIRED. REFER TO FINISH PLAN SCHEDULE FOR ADDITIONAL INFORMATION.
- 8 REMOVE ACOUSTICAL BOARD CEILING SYSTEM IN ITS ENTIRETY.
- 9 REMOVE GYPSUM BOARD/PLASTER CEILING/BULKHEAD IN ITS ENTIRETY.
- 10 REMOVE MASONRY WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH AND REPAIR FLOOR AND WALL AS REQUIRED TO ACCEPT NEW FINISHES.
- 11 REMOVE PORTION OF MASONRY WALL AS REQUIRED TO INSTALL NEW DOOR.
- 12 REMOVE METAL STUDS AND GYPSUM BOARD WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH AND REPAIR FLOOR AND WALLS AS REQUIRED TO ACCEPT NEW FINISHES.
- 13 REMOVE EXISTING BUILT-IN CASEWORK.
- 14 REMOVE DISPLAY WALL, CHALK, MARKER, AND/OR TACKBOARDS IN THEIR ENTIRETY.
- 15 REMOVE TOILET ACCESSORIES AND TURN OVER TO OWNER.
- 16 REMOVE PLUMBING FIXTURES COMPLETE. REFER TO PLUMBING DRAWINGS. WHERE PIPING IS REQUIRED TO BE CAPPED, CAP BELOW AND/OR BEHIND FINISHED SURFACE.
- 17 REMOVE TOILET PARTITIONS IN THEIR ENTIRETY.
- 18 REMOVE EXISTING FLOOR DRAIN. REFER TO PLUMBING DRAWINGS.
- 19 REMOVE EXISTING CANOPY IN ITS ENTIRETY INCLUDING STEEL FRAMING, ROOFING AND CONCRETE FOOTINGS AS REQUIRED FOR NEW CONSTRUCTION.
- 20 REMOVE EXISTING LOCKERS IN THEIR ENTIRETY. PREPARE OPENING IN ADJACENT WALL AS REQUIRED TO RECEIVE NEW CONSTRUCTION.
- 21 REMOVE CONCRETE SHOWER CURB. PATCH AND REPAIR FLOOR AS REQUIRED TO ACCEPT NEW FINISHES.
- 22 REMOVE MECHANICAL UNIT, REFER TO MECHANICAL DRAWINGS.
- 23 NOT USED
- 24 REMOVE SHELVING IN ITS ENTIRETY.
- 25 REMOVE METAL LOCKERS. REMOVE CONCRETE BASE AS REQUIRED FOR NEW CONSTRUCTION.
- 26 REMOVE EXISTING BLEACHERS IN THEIR ENTIRETY. PATCH AND REPAIR WALL.
- 27 REMOVE SCOREBOARD AND TURN OVER TO OWNER.
- 28 REMOVE MOVABLE PARTITION AND SUPPORTING STRUCTURE ABOVE IN THEIR ENTIRETY.
- 29 REMOVE WALL CARPET SYSTEM AND WOOD TRIM IN ITS ENTIRETY. PREPARE EXISTING WALLS AS REQUIRED TO RECEIVE NEW FINISHES.
- 30 REMOVE BASKETBALL GOALS AND MAST IN THEIR ENTIRETY.
- 31 REMOVE ACOUSTICAL PANELS IN THEIR ENTIRETY. PATCH AND REPAIR WALLS AS REQUIRED TO RECEIVE NEW FINISHES.
- 32 REMOVE CURTAIN TRACK AND CURTAIN IN THEIR ENTIRETY.
- 33 REMOVE CEILING MOUNTED MECHANICAL UNIT IN ITS ENTIRETY. REFER TO MECHANICAL DRAWINGS.
- 34 REMOVE MEDIA SHELVING IN ITS ENTIRETY.
- 35 REMOVE CERAMIC TILE WALL SYSTEM IN ITS ENTIRETY. PREPARE EXISTING WALL AS REQUIRED, INCLUDING REMOVAL AND REINSTALLATION OF FIXTURES, TO RECEIVE NEW FINISHES.
- 36 REMOVE METAL FIN TUBE, FIN TUBE COVERS, BOOKSHELVES, AND CASEWORK COMPLETE. PATCH AND REPAIR WALL TO MAKE LIKE NEW CONDITION.
- 37 BASE BID: PREPARE EXISTING METAL PANELS TO BE PAINTED. ALTERNATE BID CAREFULLY REMOVE EXISTING PANELS IN THEIR ENTIRETY LEAVING DRIP EDGE INTACT. PREPARE EXISTING WALL CONSTRUCTION AS REQUIRED TO RECEIVE NEW METAL PANELS. PROTECT ALL EXISTING ADJACENT CONSTRUCTION



GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
**DOUGLAS
MACARTHUR
ES ADDITIONS
AND
RENOVATIONS**
CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA



KEY PLAN

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PROJECT
21-113
DATE
01/31/22
COORDINATED BY
DTB
DRAWN BY
DTB MMM
CHECKED BY
JA JPB

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REVISIONS
MARK DATE ISSUED FOR
AD-2 02/21/2022 ADDENDUM NO. 2

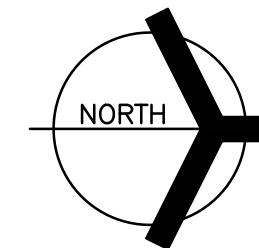
DRAWING
**UNIT "B" ARCHITECTURAL
FIRST FLOOR DEMOLITION
PLAN**

PROJECT
**DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS**

DRAWING
B AD102

UNIT "B" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN

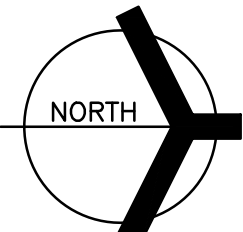
SCALE: 1/8" = 1'-0"



Friday, 2/19/2022 - 9:43 AM - LAST SAVED BY: DBURNS
Y:\21-113 CROWN POINT CSC - MACARTHUR ES ADDITION
AND RENOVATIONS\21-113 DRAWINGS\05 ARCH\A-101.DWG



UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



PLAN NOTES CONTINUED:

- (61) FREE STANDING ROOFTOP METAL GRATED STAIR AND RAILING (7'-0" WIDE/4 RISERS)
(62) OMIT BATT INSULATION THIS LOCATION
(63) INSTALL TREATED WOOD SHIMS AND GYPSUM BOARD AS REQUIRED FOR FLUSH FINISH AND AT EXPOSED SURFACE
(64) WHERE NEW CABINET HEATER IS INSTALLED, COORDINATE WITH NEW UNIT SIZE AND OPENING. TOOTH IN MATCHING BRICK VENEER FOR FULL INFILL
(65) WHERE NEW CABINET HEATER IS INSTALLED, COORDINATE WITH NEW UNIT SIZE AND OPENING. INFILL FLUSH WITH METAL STUD AND TREATED WOOD BLOCKING.
(66) BOLLARD
(67) SURFACE MOUNTED EXPANSION JOINT, REFER TO SPECS
(68) CMU WALL TO BE GLAZED CMU CORRIDOR SIDE ONLY TO MATCH ORIGINAL MASONRY CONFIGURATION AT DOOR OPENINGS. GLAZED CMU WALL TO EXTEND TO ABOVE CEILING COMPLETE.
(69) BRICK IN VESTIBULE TO BE COLOR A IN RUNNING BOND PATTERN.

GENERAL PLAN NOTES:

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G SERIES SHEETS.
B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.
C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.
E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR STUD MOUNTED ITEMS.
H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
I. INTERIOR CMU WALLS ARE TO MATCH EXISTING UNLESS NOTED OTHERWISE.
J. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.
K. WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING CMU UNLESS NOTED OTHERWISE.
L. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.
M. REFER TO FINISH PLANS FOR INTERIOR ELEVATIONS, LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIALS.
N. REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION.
O. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.
P. WHERE CMU WALLS INDICATED TO EXTEND TO DECK INTERFACE WITH BOTTOM OF STRUCTURAL "T" STUD CMU TO EXTEND TO BOTTOM OF "T" STUD AND INFILL BETWEEN "T" STUDS WITH MINIMUM 3 5/8" STUDS, CONTINUOUS BATT INSULATION, AND GUP ON BOTH SIDES.
Q. ALL WALLS ARE TYPE D3 UNLESS NOTED OTHERWISE.
R. ALL CHASE WALLS ARE TYPE C3 UNLESS NOTED OTHERWISE.
S. WHERE TYPE C WALLS ARE BACK TO BACK PROVIDE ACOUSTICAL BLANKET INSULATION IN ONE WALL ONLY.

PLAN LEGEND:

- INDICATES WALL TYPES REFER TO G-201 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

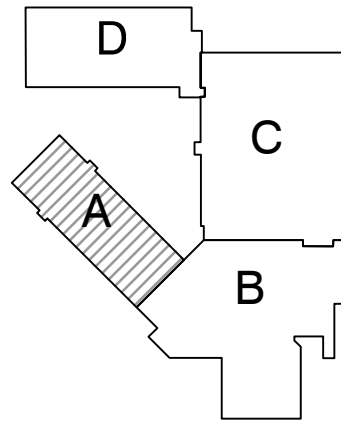
(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- (1) CONCRETE STOOP, PROVIDE SCORED JOINTS ON SURFACE TO ALINE WITH CONCRETE SIDEWALK JOINTS, REFER TO STRUCTURAL DRAWINGS.
(2) CASEWORK AND/OR MILLWORK, REFER TO EQUIPMENT PLANS.
(3) DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. (ALL BULKHEADS MAY NOT BE INDICATED ON THIS PLAN)
(4) EXISTING BULKHEAD TO REMAIN.
(5) PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL DRAWINGS.
(6) CARD/FOB READER, REFER TO ELECTRICAL DRAWINGS.
(7) DEDICATION PLAQUE.
(8) FIRE ALARM PANEL, REFER TO ELECTRICAL DRAWINGS.
(9) FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
(10) NEW LOCKERS, REFER TO EQUIPMENT PLANS AND 2/A-501
(11) GYM EQUIPMENT, REFER TO EQUIPMENT DRAWINGS.
(12) PLUMBING FIXTURE, REFER TO EQUIPMENT DRAWINGS AND PLUMBING DRAWINGS.
(13) FOR DISPLAY BOARD/TV MONITOR, REFER TO EQUIPMENT DRAWINGS. (TYPICAL)
(14) ROOF HATCH AND SHIPS LADDER.
(15) FLOOR FINISH TRANSITION, REFER TO FINISH PLANS.
(16) UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
(17) CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
(18) LINE OF NEW CANOPY, REFER TO SECTIONS.
(19) ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
(20) NO ARCHITECTURAL WORK IN THIS ROOM.
(21) TOOTHED-IN SALVAGED BRICK WITH EXISTING.
(22) A/D DEVICE, REFER TO ELECTRICAL.
(23) INFILL EXISTING LOUVER OPENING WITH TOOTHED IN SALVAGED BRICK 2" BOND INSULATION AND 4" CMU.
(24) KNUX BRICK
(25) AT 2" BRICK OFFSET PROVIDE MASONRY BRICK TIES AS REQUIRED TO TIE BRICK TOGETHER.
(26) INSTALL SOLID SURFACE WINDOW SILL
(27) CURTAIN AND TRACK (R-6 RADIUS AT CORNER)
(28) MECHANICAL LOUVER, REFER TO ELEVATIONS AND DETAIL.
(29) ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS.
(30) SEMI RECESSED FIRE EXTINGUISHER CABINET, MODIFY WALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CABINET AND MOUNTING HEIGHT
(32) INSTALL SPRAY INSULATION (R-10) ON BOTTOM SIDE OF DECK AND SUPPORT STRUCTURE IN ENTIRE VESTIBULE AND ON BOTTOM SIDE OF DECK AND SUPPORT STRUCTURE FOR A DISTANCE OF 2'-0" PAST THE OUTSIDE FACE OF THE STOREFRONT SYSTEM, REFER TO 11/A-431
(33) CMU WALL TO BE GLAZED CMU TO 6'-0" OR 7'-2" AFF CORRIDOR SIDE ONLY TO MATCH ADJACENT EXISTING WALL. FIELD VERIFY, AS REQUIRED FOR PAINT FINISH TO BE CONSISTENT BETWEEN NEW AND EXISTING CONSTRUCTION. MATCH EXISTING COURSE AND STACK BOND PATTERN.
(34) SEE "K" SERIES DRAWINGS FOR FOOD SERVICE EQUIPMENT IN THIS ROOM.
(35) ALUMINUM DIVIDER RAIL
(36) ROOF BELOW, REFER TO ROOF PLAN.
(37) PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSE KEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM. VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
(38) PROVIDE 4" TALL CONCRETE CURB AROUND PERIMETER OF MEZZANINE. REFER TO WALL SECTIONS AND STRUCTURAL DRAWINGS.
(39) PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION.
(40) CONCRETE EQUIPMENT PAD, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
(41) ROLLING COUNTER DOOR.
(42) ROLLING SERVICE DOOR.
(43) ROLLING DOOR/GRILLE KEY SWITCH.
(46) MECHANICAL GRILL COVER.
(48) 2" GAP IN WALL WITH EXPANSION JOINT COVER
(49) DOWNSPOUT WITH ALUMINUM BOOT, REFER TO ROOF PLAN
(47) INSTALL NEW T 1/2" O.D. ANODIZED ALUMINUM HANDRAIL WITH ALUMINUM BRACKETS AT 35" ABOVE SLOPE OF RAMP AND FLOOR. EXTEND RAIL 12" PAST TOP AND BOTTOM OF RAMP AND RETURN ENDS TO WALL.
(48) FLOOR DRAIN, REFER TO PLUMBING DRAWING.
(49) ALTERNATE: NEW DOOR FRAME AND HARDWARE, REFER TO A-603
(50) ALTERNATE: EXISTING FRAMES TO REMAIN. INSTALL NEW DOOR, HARDWARE, TRANSOM WHERE APPLICABLE.
(51) UNIT VENTILATOR HEAVY GAUGE PAINTED METAL CLOSURE TO MATCH UNIT VENTILATOR. COORDINATE EACH CONDITION IN FIELD WITH WALL, FLOOR AND CEILING CONDITION.
(53) ALTERNATE: NEW METAL PANELS.
(54) INSTALL NEW SEALANT AND BACKER ROD ALL AROUND WINDOW ASSEMBLY.
(55) NEW CONCRETE STEPS, REFER TO CIVIL.
(56) NEW CONCRETE RAMP, REFER TO CIVIL.
(57) EXISTING RAMP RAILING CONSTRUCTION TO REMAIN. REFER TO CIVIL FOR ADDITIONAL INFORMATION.
(58) NEW 3 5/8" METAL STUD, TREATED WOOD SHIMS, BATT INSULATION, AND 5/8" GYPSUM BOARD EACH SIDE OF WALL ON TOP OF MASONRY-WALL TO ALIGN COMPLETE ON EACH SIDE FOR SMOOTH TRANSITION.
(59) CMU INFILL AT OLD OPENING FOR VUV AND LOUVER
(60) DUMPSTER ENCLOSURE ALUMINUM FENCE AND GATE, REFER TO SPECIFICATIONS.



GIBALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
**DOUGLAS
MACARTHUR
ES ADDITIONS
AND
RENOVATIONS**
CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA



KEY PLAN

GIBALTAR DESIGN

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PROJECT

21-113

DATE

01/31/22

COORDINATED BY

DTB

DRAWN BY

DTB MMM

CHECKED BY

TA JPB

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/21/2022	ADDENDUM NO. 2

DRAWING

UNIT "A" ARCHITECTURAL
FIRST FLOOR PLAN

PROJECT

DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

GIBALTAR DESIGN

SHEET

A

A-101



9102 N. Meridian St., Ste. 300
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PROJECT 21-113 DATE 01/31/22 COORDINATED BY DTB DRAWN BY DTB MMM CHECKED BY TA JPB	
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[illegible]

DRAWING
UNIT "B" ARCHITECTURAL
FIRST FLOOR PLAN

PROJECT
DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

© GIBALTAR DESIGN	SHEET
B	A-102

- A. FOR GENERAL PROJECT NOTES, MATERIAL INFORMATION, LEGENDS, SYMBOL, LEGEND, ABBREVIATIONS, ETC., REFER TO G SERIES SHEETS.
- B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. FINISH DIMENSIONS TO WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.
- C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
- D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSEING BEGINS AT THE FLOOR LINE.
- E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0" REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
- F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
- G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
- H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
- I. INTERIOR CMU WALLS ARE TO MATCH EXISTING UNLESS NOTED OTHERWISE.
- J. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.
- K. WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING CMU UNLESS NOTED OTHERWISE.
- L. REFER TO DEMOLITION PLANS FOR ADDITIONAL PATCHING AND REPAIR WORK.
- M. REFER TO FINISH PLANS FOR INTERIOR ELEVATIONS, LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.
- N. REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BACKS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION.
- O. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.
- P. WHERE CMU WALLS INTERSECT, REFER TO DECK INTERFACE WITH BOTTOM OF STRUCTURAL 3" x 8" CMU TO EXTEND TO BOTTOM OF T&G AND INFILL BETWEEN T&G'S WITH MINIMUM 3 5/8" STUDS, CONTINUOUS RATCH INSULATION, AND GUN ON BOTH SIDES.
- Q. ALL WALLS ARE TYPE D3 UNLESS NOTED OTHERWISE.
- R. ALL CHASE WALLS ARE TYPE C3 UNLESS NOTED OTHERWISE.
- S. WHERE TYPE WALLS ARE BACK TO BACK PROVIDE ACOUSTICAL BLANKET INSULATION ONE WAY.

INDICATES WALL TYPES REFER TO G-201 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

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

- 1 CONCRETE STEOP, PROVIDE SCORED JOINTS ON SURFACE TO ALINE WITH CASHED SIDEWALK JOINTS. REFER TO STRUCTURAL DRAWINGS.
- 2 CASEWORK AND/OR MILLWORK, REFER TO EQUIPMENT PLANS.
- 3 DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. (ALL BULKHEADS MAY NOT BE INDICATED ON THIS PLAN)
- 4 EXISTING BULKHEAD TO REMAIN.
- 5 PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL DRAWINGS.
- 6 CARD/FOB READER, REFER TO ELECTRICAL DRAWINGS.
- 7 DEDICATION PLAQUE.
- 8 FIRE ALARM PANEL, REFER TO ELECTRICAL DRAWINGS.
- 9 FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
- 10 WIRE LOCKERS, REFER TO EQUIPMENT PLANS AND 2/A-501
- 11 GYM EQUIPMENT, REFER TO EQUIPMENT DRAWINGS.
- 12 PLUMBING FIXTURE, REFER TO EQUIPMENT DRAWINGS AND PLUMBING DRAWINGS.
- 13 FOR DISPLAY BOARD/TV MONITOR, REFER TO EQUIPMENT DRAWINGS. (TYPICAL)
- 14 ROOF HATCH AND SHIPS LADDER. (2-2)
(4-2)
- 15 FLOOR FINISH TRANSITION, REFER TO FINISH PLANS.
- 16 UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
- 17 CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
- 18 LINE OF NEW CANOPY, REFER TO SECTIONS.
- 19 ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
- 20 NO ARCHITECTURAL WORK IN THIS ROOM.
- 21 TOOTHED-IN SALVAGED BRICK WITH EXISTING.
- 22 AI DEVICE, REFER TO ELECTRICAL.
- 23 INFLI EXISTING LOUVER OPENING WITH TOOTHED IN SALVAGED BRICK 2" RIFLE INSULATION AND 4" CMU. AD-2
- 24 KNOX BOX. (2-2)
(4-2)
- 25 AT 2" BRICK OFFSET PROVIDE MASONRY BRICK TIES AS REQUIRED TO THE BRICK TOGETHER. AD-2
- 26 INSTALL SOLID SURFACE WINDOW SILL. (2-2)
(4-2)
- 27 CURTAIN AND TRACK (R=10) AT CORNER. (9)
(4-2)
- 28 MECHANICAL LOUVER, REFER TO ELEVATIONS AND DETAIL. (6)
(4-501)
- 29 ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS.
- 30 SEMI RECESSED FIRE EXTINGUISHER CABINET, MODIFY WALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CABINET AND MOUNTING HEIGHT. (7)
(4-501)
- 31 INSTALL SPRAY INSULATION (R=10) ON BOTTOM SIDE OF DECK AND SUPPORT STRUCTURE IN ENTIRE VESTIBULE AND ON BOTTOM SIDE OF DECK. PROVIDE SUPPORT STRUCTURE FOR A DISTANCE OF 2'-0" PAST THE OUTSIDE FACE OF THE STOREFRONT SYSTEM. REFER TO 1/A-431. AD-2
- 32 CMU TO BE GLAZED CMU TO 6'-0" OR 7'-2" AFF CORRIDOR SIDE ONLY TO MATCH ADJACENT EXISTING WALL. FIELD VERIFY, AS REQUIRED FOR PAINT FINISH TO BE CONSISTENT BETWEEN NEW AND EXISTING. (2-2)
(4-2)
- 33 CMU TO BE GLAZED CMU TO 6'-0" OR 7'-2" AFF CORRIDOR SIDE ONLY TO MATCH ADJACENT EXISTING WALL. FIELD VERIFY, AS REQUIRED FOR PAINT FINISH TO BE CONSISTENT BETWEEN NEW AND EXISTING. (2-2)
(4-2)

(61) FREE STANDING ROOFTOP METAL GRATED STAIR AND RAILING (7'-0" WIDE/4 RISERS)

(62) OMIT BATT INSULATION THIS LOCATION

(63) INSTALL TREATED WOOD SHIMS AND GYPSUM BOARD AS REQUIRED FOR FLUSH FINISH AND AT EXPOSED SURFACE

(64) WHERE NEW CABINET HEATER IS INSTALLED, COORDINATE WITH NEW UNIT SIZE AND OPENING. TOOTH IN MATCHING BRICK VENER FOR FULL INFILL

(65) WHERE NEW CABINET HEATER IS INSTALLED, COORDINATE WITH NEW UNIT SIZE AND OPENING. INFILL FLUSH WITH METAL STUD AND TREATED WOOD BLOCKING.

(66) BOLLARD

(67) SURFACE MOUNTED EXPANSION JOINT. REFER TO SPECS

(68) CMU WALL TO BE GLAZED CMU CORRIDOR SIDE ONLY TO MATCH ORIGINAL MASONRY CONFIGURATION AT DOOR OPENINGS. GLAZED CMU WALL TO EXTEND TO ABOVE CEILING COMPLETE.

(69) BRICK IN VESTIBULE TO BE COLOR A IN RUNNING BOND

(70) ROOF BELOW. REFER TO ROOF PLAN.

(71) PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSE KEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.

(72) PROVIDE 4" TALL CONCRETE CURB AROUND PERIMETER OF MEZZANINE. REFER TO WALL SECTIONS AND STRUCTURAL DRAWINGS.

(73) PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION.

(74) CONCRETE EQUIPMENT PAD, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.

(75) ROLLING COUNTER DOOR.

(76) ROLLING SERVICE DOOR.

(77) ROLLING DOOR/GRILLE KEY SWITCH.

(78) MECHANICAL GRILL COVER.

(79) 2" BAR IN WALL WITH EXPANSION JOINT COVER

(80) DOWNSPOUT WITH ALUMINUM BOOT, REFER TO ROOF PLAN

(81) INSTALL NEW 1 1/2" O.D. ANODIZED ALUMINUM HANDRAIL WITH ALUMINUM

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



Thursday, 2/17/2022 - 2:02 PM - LAST SAVED BY:DBURNS
Y:\21-113 CROWN POINT CSC - MACARTHUR ES ADDITION
AND RENOVATIONS\21-113 DRAWINGS\05 ARCH\A-102.DWG

PLAN NOTES CONTINUED:

- (61) FREE STANDING ROOFTOP METAL GRATED STAIR AND RAILING (7'-0" WIDE/4' RISERS)
- (62) OMIT BATT INSULATION THIS LOCATION
- (63) INSTALL TREATED WOOD SHIMS AND GYPSUM BOARD AS REQUIRED FOR FLUSH FINISH AND AT EXPOSED SURFACE
- (64) WHERE NEW CABINET HEATER IS INSTALLED, COORDINATE WITH NEW UNIT SIZE AND OPENING. TOOTH IN MATCHING BRICK VENEER FOR FULL INFILL
- (65) WHERE NEW CABINET HEATER IS INSTALLED, COORDINATE WITH NEW UNIT SIZE AND OPENING. INFILL FLUSH WITH METAL STUD AND TREATED WOOD BLOCKING.
- (66) BOLLARD
- (67) SURFACE MOUNTED EXPANSION JOINT, REFER TO SPECS
- (68) CMU WALL TO BE GLAZED CMU CORRIDOR SIDE ONLY TO MATCH ORIGINAL MASONRY CONFIGURATION AT DOOR OPENINGS. GLAZED CMU WALL TO EXTEND TO ABOVE CEILING COMPLETE.
- (69) BRICK IN VESTIBULE TO BE COLOR A IN RUNNING BOND PATTERN.

GENERAL PLAN NOTES:

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G SERIES SHEETS.
- B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.
- C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
- D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.
- E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
- F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL. HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
- G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METRIC WALLS FOR MOUNTED ITEMS.
- H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
- I. INTERIOR CMU WALLS ARE TO MATCH EXISTING UNLESS NOTED OTHERWISE.
- J. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.
- K. WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING CMU UNLESS NOTED OTHERWISE.
- L. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.
- M. REFER TO FINISH PLANS FOR INTERIOR ELEVATIONS, LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIALS.
- N. REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION.
- O. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.
- P. WHERE CMU WALLS INDICATED TO EXTEND TO DECK INTERFACE WITH BOTTOM OF STRUCTURAL "T" CMU TO EXTEND TO BOTTOM OF "T" AND INFILL BETWEEN "T" WITH MINIMUM 3 5/8" STUDS, CONTINUOUS BATT INSULATION, AND GUP ON BOTH SIDES.
- Q. ALL WALLS ARE TYPE D3 UNLESS NOTED OTHERWISE.
- R. ALL CHASE WALLS ARE TYPE C3 UNLESS NOTED OTHERWISE.
- S. WHERE TYPE C WALLS ARE BACK TO BACK PROVIDE ACOUSTICAL BLANKET INSULATION IN ONE WALL ONLY.

PLAN LEGEND:

- INDICATES WALL TYPES REFER TO G-201 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

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

- (1) CONCRETE STOOP, PROVIDE SCORED JOINTS ON SURFACE TO ALINE WITH CONCRETE SIDEWALK JOINTS, REFER TO STRUCTURAL DRAWINGS.
- (2) CASEWORK AND/OR MILLWORK, REFER TO EQUIPMENT PLANS.
- (3) DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. (ALL BULKHEADS MAY NOT BE INDICATED ON THIS PLAN)
- (4) EXISTING BULKHEAD TO REMAIN.
- (5) PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL DRAWINGS.
- (6) CARD/FOB READER, REFER TO ELECTRICAL DRAWINGS.
- (7) DEDICATION PLAQUE.
- (8) FIRE ALARM PANEL, REFER TO ELECTRICAL DRAWINGS.
- (9) FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
- (10) NEW LOCKERS, REFER TO EQUIPMENT PLANS AND 2/A-501
- (11) GYM EQUIPMENT, REFER TO EQUIPMENT DRAWINGS.
- (12) PLUMBING FIXTURE, REFER TO EQUIPMENT DRAWINGS AND PLUMBING DRAWINGS.
- (13) FOR DISPLAY BOARD/TV MONITOR, REFER TO EQUIPMENT DRAWINGS. (TYPICAL)
- (14) ROOF HATCH AND SHIPS LADDER.
- (15) FLOOR FINISH TRANSITION, REFER TO FINISH PLANS.
- (16) UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
- (17) CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
- (18) LINE OF NEW CANOPY, REFER TO SECTIONS.
- (19) ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
- (20) NO ARCHITECTURAL WORK IN THIS ROOM.
- (21) TOOTHED-IN SALVAGED BRICK WITH EXISTING.
- (22) A/D DEVICE, REFER TO ELECTRICAL
- (23) INFILL EXISTING LOUVER OPENING WITH TOOTHED IN SALVAGED BRICK 2" RIGID INSULATION AND 4" CMU.
- (24) KNUD BOLLARD
- (25) AT 2" BRICK OFFSET PROVIDE MASONRY BRICK TIES AS REQUIRED TO TIE BRICK TOGETHER.
- (26) INSTALL SOLID SURFACE WINDOW SILL
- (27) CURTAIN AND TRACK (6" RADIUS AT CORNER)
- (28) MECHANICAL LOUVER, REFER TO ELEVATIONS AND DETAIL.
- (29) ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS.
- (30) SEMI RECESSED FIRE EXTINGUISHER CABINET, MODIFY WALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CABINET AND MOUNTING HEIGHT
- (32) INSTALL SPRAY INSULATION (R-10) ON BOTTOM SIDE OF DECK AND SUPPORT STRUCTURE IN ENTIRE VESTIBULE AND ON BOTTOM SIDE OF DECK AND SUPPORT STRUCTURE FOR A DISTANCE OF 2'-0" PAST THE OUTSIDE FACE OF THE STOREFRONT SYSTEM, REFER TO 11/A-431
- (33) CMU WALL TO BE GLAZED CMU TO 6'-0" OR 7'-2" AFF CORRIDOR SIDE ONLY TO MATCH ADJACENT EXISTING WALL. FIELD VERIFY, AS REQUIRED FOR PAINT FINISH TO BE CONSISTENT BETWEEN NEW AND EXISTING CONSTRUCTION. MATCH EXISTING COURSE AND STACK BOND PATTERN.
- (34) SEE "K" SERIES DRAWINGS FOR FOOD SERVICE EQUIPMENT IN THIS ROOM.
- (35) ALUMINUM DIVIDER RAIL
- (36) ROOF BELOW, REFER TO ROOF PLAN.
- (37) PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSE KEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
- (38) PROVIDE 4" TALL CONCRETE CURB AROUND PERIMETER OF MEZZANINE. REFER TO WALL SECTIONS AND STRUCTURAL DRAWINGS.
- (39) PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION.
- (40) CONCRETE EQUIPMENT PAD, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
- (41) ROLLING COUNTER DOOR.
- (42) ROLLING SERVICE DOOR.
- (43) ROLLING DOOR/GRILLE KEY SWITCH.
- (44) MECHANICAL GRILL COVER.
- (46) 2" CAP IN WALL WITH EXPANSION JOINT COVER
- (46) DOWNSPOUT WITH ALUMINUM BOOT, REFER TO ROOF PLAN
- (47) INSTALL NEW 1 1/2" O.D. ANODIZED ALUMINUM HANDRAIL WITH ALUMINUM BRACKETS AT 36" SLOPE OF RAMP AND FLOOR. EXTEND RAIL 12" PAST TOP AND BOTTOM OF RAMP AND RETURN ENDS TO WALL.
- (48) FLOOR DRAIN, REFER TO PLUMBING DRAWING.
- (49) ALTERNATE: NEW DOOR FRAME AND HARDWARE, REFER TO A-603
- (50) ALTERNATE: EXISTING FRAMES TO REMAIN. INSTALL NEW DOOR, HARDWARE, TRANSOM WHERE APPLICABLE.
- (51) UNIT VENTILATOR HEAVY GAUGE PAINTED METAL CLOSURE TO MATCH UNIT VENTILATOR. COORDINATE EACH CONDITION IN FIELD WITH WALL, FLOOR AND CEILING CONDITION.
- (53) ALTERNATE: NEW METAL PANELS.
- (54) INSTALL NEW SEALANT AND BACKER ROD ALL AROUND WINDOW ASSEMBLY.
- (55) NEW CONCRETE STEPS, REFER TO CIVIL.
- (56) NEW CONCRETE RAMP, REFER TO CIVIL.
- (57) EXISTING RAMP RAILING CONSTRUCTION TO REMAIN, REFER TO CIVIL FOR ADDITIONAL INFORMATION.
- (58) NEW 3 5/8" METAL STUD, TREATED WOOD SHIMS, BATT INSULATION, AND 5/8" GYPSUM BOARD EACH SIDE OF WALL ON TOP OF MASONRY - WALL TO ALIGN COMPLETE ON EACH SIDE FOR SMOOTH TRANSITION.
- (59) CMU INFILL AT OLD OPENING FOR VUV AND LOUVER
- (60) DUMPSTER ENCLOSURE ALUMINUM FENCE AND GATE, REFER TO SPECIFICATIONS.

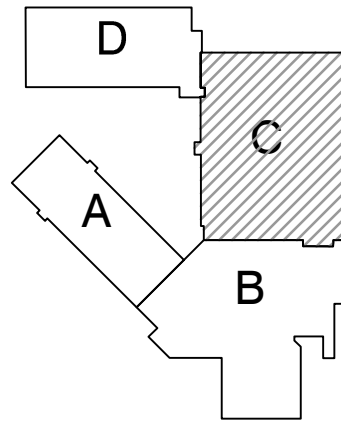


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DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

**DOUGLAS
MACARTHUR
ES ADDITIONS
AND
RENOVATIONS**
CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA



KEY PLAN

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PROJECT

21-113

DATE

01/31/22

COORDINATED BY

DTB

DRAWN BY

DTB MMM

CHECKED BY

TA JPB

ARCHITECT

INDIANA

STATE OF

REGISTERED

NO. 11600109

PROFESSIONAL

SEAL

JOSEPH P. BRIGGS

ARCHITECT

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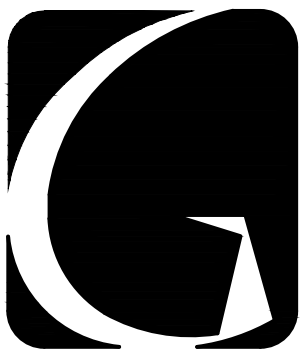
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JOSEPH P. BRIGGS

ARCHITECT

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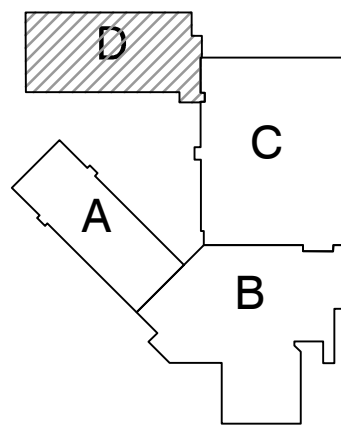
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PROJECT
**DOUGLAS
MACARTHUR
ES ADDITIONS
AND
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CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA

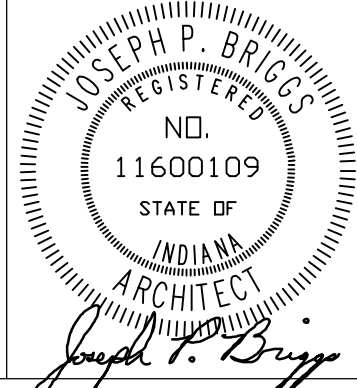


KEY PLAN

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DTB
DRAWN BY
DTB/MMM
CHECKED BY
TA JPB



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REVISIONS	MARK	DATE	ISSUED FOR
AD-2	02/21/2022		ADDENDUM NO. 2

DRAWING
**UNIT "D" ARCHITECTURAL
FIRST FLOOR PLAN**

PROJECT
**DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS**

© GIBRALTAR DESIGN SHEET
D A-104

GENERAL PLAN NOTES:

- FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G SERIES SHEETS.
- PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.
- ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
- MASONRY WALL BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.
- THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
- HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
- PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
- REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
- INTERIOR CMU WALLS ARE TO MATCH EXISTING UNLESS NOTED OTHERWISE.
- ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.
- WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING CMU UNLESS NOTED OTHERWISE.
- REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.
- REFER TO FINISH PLANS FOR INTERIOR ELEVATIONS, LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.
- REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION.
- REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.
- WHERE CMU WALLS INDICATED TO EXTEND TO DECK INTERFACE WITH BOTTOM OF STRUCTURAL "T" CMU TO EXTEND TO BOTTOM OF "T" AND INFILL BETWEEN "T"s WITH MINIMUM 3 5/8" STUDS, CONTINUOUS BATT INSULATION, AND GIP ON BOTH SIDES.
- ALL WALLS ARE TYPE D3 UNLESS NOTED OTHERWISE.
- ALL CHASE WALLS ARE TYPE C3 UNLESS NOTED OTHERWISE.
- WHERE TYPE C WALLS ARE BACK TO BACK PROVIDE ACOUSTICAL BLANKET INSULATION IN ONE WALL ONLY.

PLAN LEGEND:

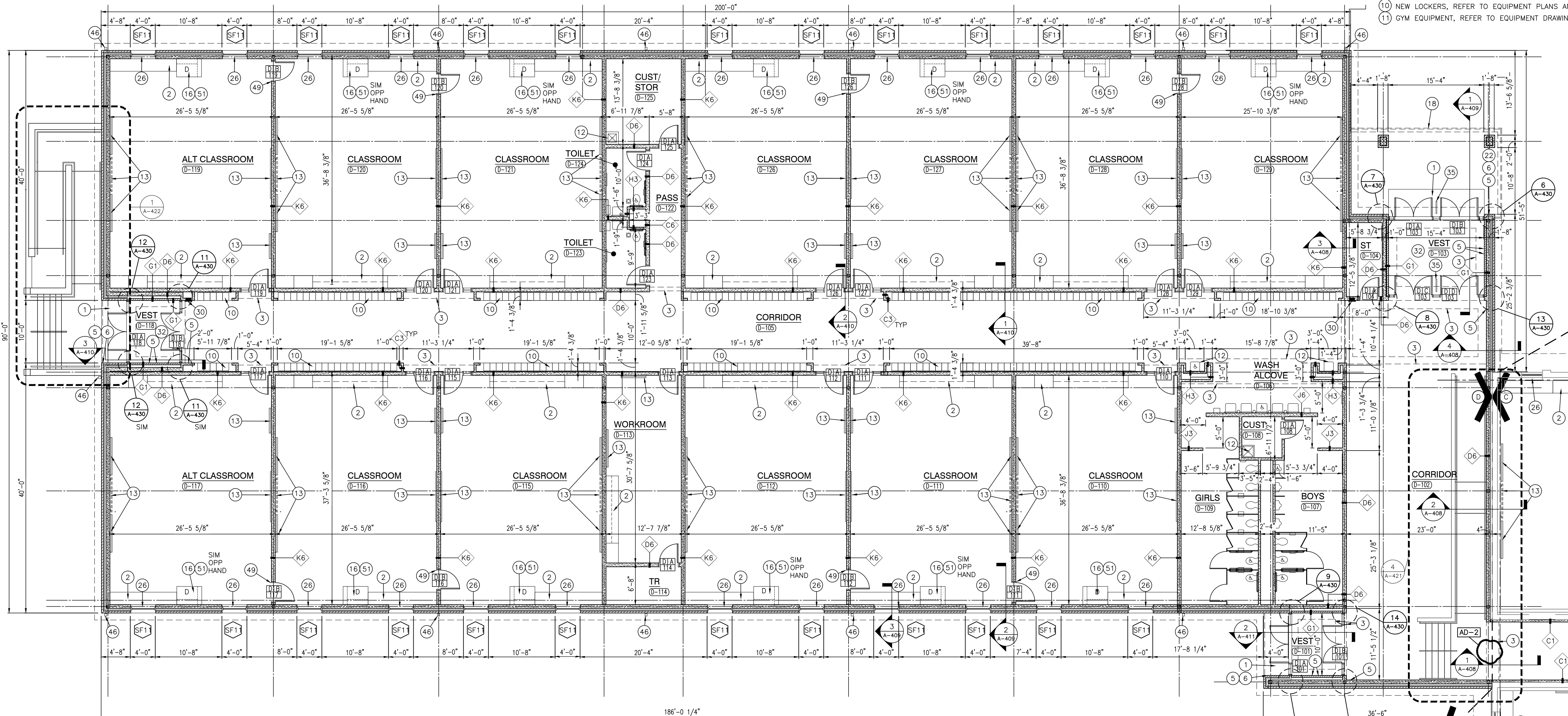
◇ INDICATES WALL TYPES REFER TO G-201 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

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

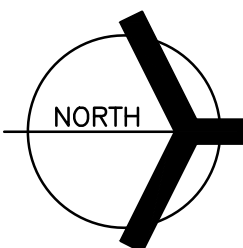
- CONCRETE STOOP, PROVIDE SCORED JOINTS ON SURFACE TO ALINE WITH CONCRETE SIDEWALK JOINTS, REFER TO STRUCTURAL DRAWINGS.
- CASEWORK AND/OR MILLWORK, REFER TO EQUIPMENT PLANS.
- DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. (ALL BULKHEADS MAY NOT BE INDICATED ON THIS PLAN)
- EXISTING BULKHEAD TO REMAIN.
- PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL DRAWINGS.
- CARD/FOB READER, REFER TO ELECTRICAL DRAWINGS.
- DEDICATION PLAQUE.
- FIRE ALARM PANEL, REFER TO ELECTRICAL DRAWINGS.
- FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
- NEW LOCKERS, REFER TO EQUIPMENT PLANS AND 2/A-501
- GYM EQUIPMENT, REFER TO EQUIPMENT DRAWINGS.

- FLOOR DRAIN, REFER TO PLUMBING DRAWING.
- ALTERNATE: NEW DOOR FRAME AND HARDWARE, REFER TO A-603
- ALTERNATE: EXISTING FRAMES TO REMAIN. INSTALL NEW DOOR, HARDWARE, TRANSOM WHERE APPLICABLE.
- UNIT VENTILATOR HEAVY GAUGE PAINTED METAL CLOSURE TO MATCH UNIT VENTILATOR. COORDINATE EACH CONDITION IN FIELD WITH WALL, FLOOR AND CEILING CONDITION.
- ALTERNATE: NEW METAL PANELS.
- INSTALL NEW SEALANT AND BACKER ROD ALL AROUND WINDOW ASSEMBLY.
- NEW CONCRETE STEPS, REFER TO CIVIL.
- NEW CONCRETE RAMP, REFER TO CIVIL.
- EXISTING RAMP RAILING CONSTRUCTION TO REMAIN. REFER TO CIVIL FOR ADDITIONAL INFORMATION.
- NEW 3 5/8" METAL STUD, TREATED WOOD SHIMS, BATT INSULATION, AND 5/8" GYPSUM BOARD EACH SIDE OF WALL ON TOP OF MASONRY- WALL TO ALIGN COMPLETE ON EACH SIDE FOR SMOOTH TRANSITION.
- CMU INFILL AT OLD OPENING FOR VUV AND LOUVER
- DUMPSTER ENCLOSURE ALUMINUM FENCE AND GATE, REFER TO SPECIFICATIONS.
- FREE STANDING ROOFTOP METAL GRATED STAIR AND RAILING (7'-0" WIDE/4 RISERS)
- OMIT BATT INSULATION THIS LOCATION
- INSTALL TREATED WOOD SHIMS AND GYPSUM BOARD AS REQUIRED FOR FLUSH FINISH AND AT EXPOSED SURFACE
- WHERE NEW CABINET HEATER IS INSTALLED, COORDINATE WITH NEW UNIT SIZE AND OPENING. INFILL FLUSH WITH METAL STUD AND TREATED WOOD BLOCKING.
- WHERE NEW CABINET HEATER IS INSTALLED, COORDINATE WITH NEW UNIT SIZE AND OPENING. INFILL FLUSH WITH METAL STUD AND TREATED WOOD BLOCKING.
- BOLLARD
- SURFACE MOUNTED EXPANSION JOINT, REFER TO SPECS
- CMU WALL TO BE GLAZED CMU CORRIDOR SIDE ONLY TO MATCH ORIGINAL MASONRY CONFIGURATION AT DOOR OPENINGS. GLAZED CMU WALL TO EXTEND TO ABOVE CEILING COMPLETE.
- BRICK IN VESTIBULE TO BE COLOR A IN RUNNING BOND PATTERN.
- PLUMBING FIXTURE, REFER TO EQUIPMENT DRAWINGS AND PLUMBING DRAWINGS.
- FOR DISPLAY BOARD/TV MONITOR, REFER TO EQUIPMENT DRAWINGS. (TYPICAL)
- ROOF HATCH AND SHIPS LADDER.
- FLOOR FINISH TRANSITION, REFER TO FINISH PLANS.
- UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
- CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
- LINE OF NEW CANOPY, REFER TO SECTIONS.
- ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
- NO ARCHITECTURAL WORK IN THIS ROOM.
- TOOTHED-IN SALVAGED BRICK WITH EXISTING.
- WALL DEVICE, REFER TO ELECTRICAL
- INFILL EXISTING LOUVER OPENING WITH TOOTHED IN SALVAGED BRICK 2" RIGID INSULATION AND 4" CMU.
- KNOWLEDGE
- AT 2" BRICK OFFSET PROVIDE MASONRY BRICK TIES AS REQUIRED TO TIE BRICK TOGETHER
- INSTALL SOLID SURFACE WINDOW SILL
- CURTAIN AND TRACK 16" RADIUS AT CORNER
- MECHANICAL LOUVER, REFER TO ELEVATIONS AND DETAIL.
- ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS.
- SEMI RECESSED FIRE EXTINGUISHER CABINET. MODIFY WALL CONSTRUCTION TO ACCOMMODATE NEW CABINET AND MOUNTING HEIGHT
- INSTALL SPRAY INSULATION (R-10) ON BOTTOM SIDE OF DECK AND SUPPORT STRUCTURE IN ENTIRE VESTIBULE AND ON BOTTOM SIDE OF DECK AND SUPPORT STRUCTURE FOR A DISTANCE OF 2'-0" PAST THE OUTSIDE FACE OF THE STOREFRONT SYSTEM. REFER TO 11/A-431
- CMU WALL TO BE GLAZED CMU TO 6'-0" OR 7'-2" AFF CORRIDOR SIDE ONLY TO MATCH ADJACENT EXISTING WALL. FIELD VERIFY, AS REQUIRED FOR PAINT FINISH TO BE CONSISTENT BETWEEN NEW AND EXISTING CONSTRUCTION. MATCH EXISTING COURSING AND STACK BOND PATTERN.
- SEE "K" SERIES DRAWINGS FOR FOOD SERVICE EQUIPMENT IN THIS ROOM.
- ALUMINUM DIVIDER RAIL.
- ROOF BELOW, REFER TO ROOF PLAN.
- PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSE KEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM. VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
- PROVIDE 4" TALL CONCRETE CURB AROUND PERIMETER OF MEZZANINE. REFER TO WALL SECTIONS AND STRUCTURAL DRAWINGS.
- PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION.
- CONCRETE EQUIPMENT PAD, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
- ROLLING COUNTER DOOR.
- ROLLING SERVICE DOOR.
- ROLLING DOOR/GRILLE KEY SWITCH.
- MECHANICAL GRILL COVER.
- 2" GAP IN WALL WITH EXPANSION JOINT COVER
- DOWNSPOUT WITH ALUMINUM BOOT, REFER TO ROOF PLAN
- INSTALL NEW 1 1/2" O.D. ANODIZED ALUMINUM RAILING WITH ALUMINUM BRACKETS AT 35° POSITIVE SLOPE OF RAMP AND FLOOR. EXTEND RAIL 12" PAST TOP AND BOTTOM OF RAMP AND RETURN ENDS TO WALL.



UNIT "D" ARCHITECTURAL FIRST FLOOR PLAN

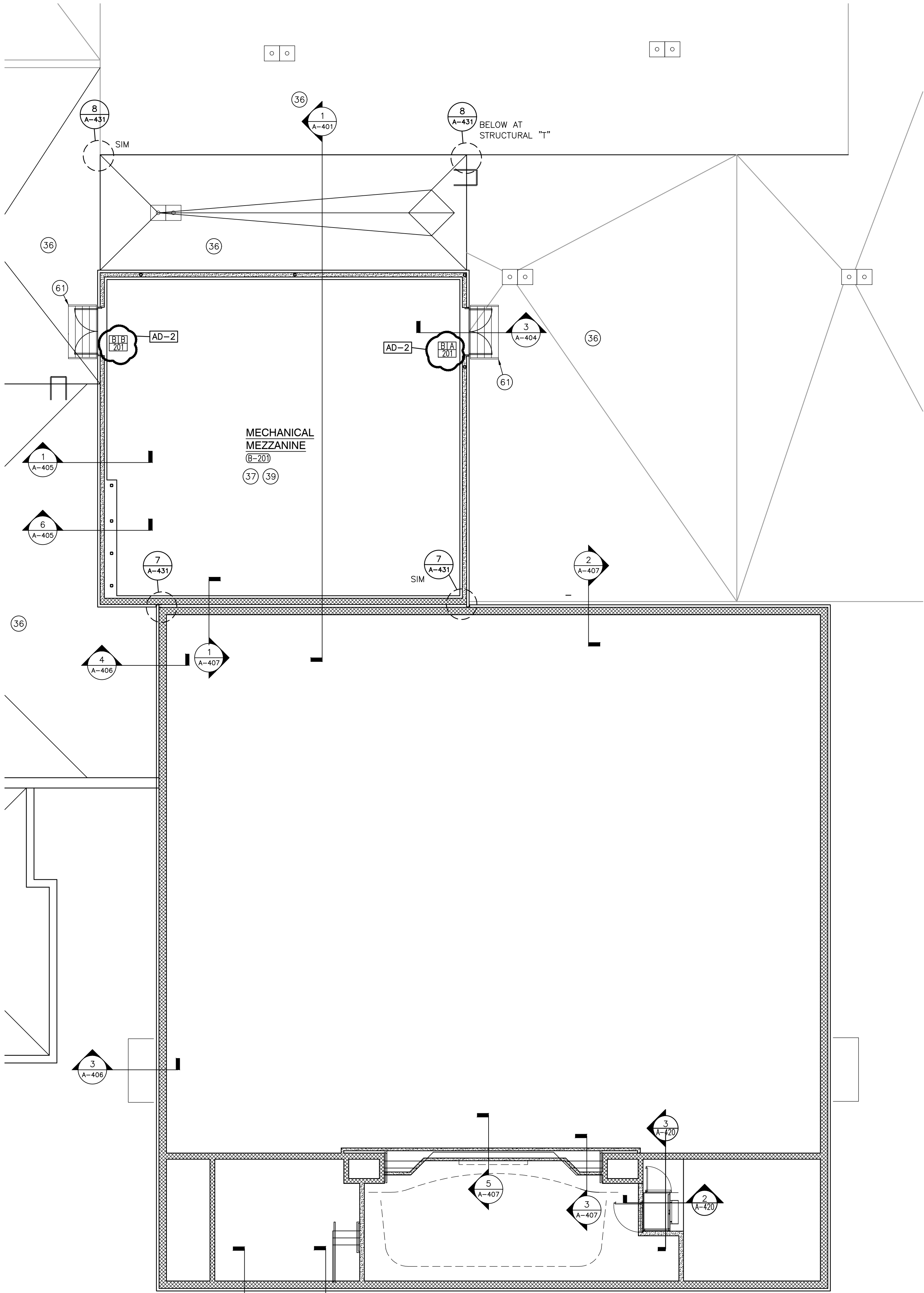
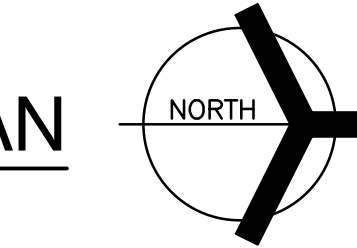
SCALE: 1/8" = 1'-0"



Friday, 2/18/2022 - 9:42 AM - LAST SAVED BY:DBURNS
Y:\21-113 CROWN POINT CSC - MACARTHUR ES ADDITION
AND RENOVATIONS\21-113 DRAWINGS\05 ARCH\A-105.DWG

UNIT "B" ARCHITECTURAL MEZZANINE FLOOR PLAN

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



PLAN NOTES CONTINUED:

- (61) FREE STANDING ROOFTOP METAL GRATED STAIR AND RAILING (7'-0" WIDE/4 RISERS)
- (62) OMIT BATT INSULATION THIS LOCATION
- (63) INSTALL TREATED WOOD SHIMS AND GYPSUM BOARD AS REQUIRED FOR FLUSH FINISH AND AT EXPOSED SURFACE
- (64) WHERE NEW CABINET HEATER IS INSTALLED, COORDINATE WITH NEW UNIT SIZE AND OPENING. TOOTH IN MATCHING BRICK VENEER FOR FULL INFILL
- (65) WHERE NEW CABINET HEATER IS INSTALLED, COORDINATE WITH NEW UNIT SIZE AND OPENING. INFILL FLUSH WITH METAL STUD AND TREATED WOOD BLOCKING.
- (66) BOLLARD
- (67) SURFACE MOUNTED EXPANSION JOINT, REFER TO SPECS
- (68) CMU WALL TO BE GLAZED CMU CORRIDOR SIDE ONLY TO MATCH ORIGINAL MASONRY CONFIGURATION AT DOOR OPENINGS. GLAZED CMU WALL TO EXTEND TO ABOVE CEILING COMPLETE.
- (69) BRICK IN VESTIBULE TO BE COLOR A IN RUNNING BOND PATTERN.

GENERAL PLAN NOTES:

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G SERIES SHEETS.
- B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.
- C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
- D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.
- E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
- F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
- G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
- H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
- I. INTERIOR CMU WALLS ARE TO MATCH EXISTING UNLESS NOTED OTHERWISE.
- J. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.
- K. WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING CMU UNLESS NOTED OTHERWISE.
- L. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.
- M. REFER TO FINISH PLANS FOR INTERIOR ELEVATIONS, LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.
- N. REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION.
- O. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.
- P. WHERE CMU WALLS INDICATED TO EXTEND TO DECK INTERFACE WITH BOTOTM OF STRUCTURAL "T"s, CMU TO EXTND TO BOTTOM OF "T"s AND INFILL BETWEEN "T"s WITH MINIMUM 3 5/8" STUDS, CONTINUOUS BATT INSULATION, AND GUP ON BOTH SIDES.
- Q. ALL WALLS ARE TYPE D3 UNLESS NOTED OTHERWISE.
- R. ALL CHASE WALLS ARE TYPE C3 UNLESS NOTED OTHERWISE.
- S. WHERE TYPE C WALLS ARE BACK TO BACK PROVIDE ACOUSTICAL BLANKET INSULATION IN ONE WALL ONLY.

PLAN LEGEND:

- INDICATES WALL TYPES REFER TO G-201 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

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

- (1) CONCRETE STAIR, PROVIDE SCORED JOINTS ON SURFACE TO ALINE WITH CONCRETE SIDEWALK JOINTS, REFER TO STRUCTURAL DRAWINGS.
- (2) CASEWORK AND/OR MILLWORK, REFER TO EQUIPMENT PLANS.
- (3) DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. (ALL BULKHEADS MAY NOT BE INDICATED ON THIS PLAN)

- (4) EXISTING BULKHEAD TO REMAIN.
- (5) PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL DRAWINGS.
- (6) CARD/FOB READER, REFER TO ELECTRICAL DRAWINGS.
- (7) DEDICATION PLAQUE.
- (8) FIRE ALARM PANEL, REFER TO ELECTRICAL DRAWINGS.
- (9) FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
- (10) NEW LOCKERS, REFER TO EQUIPMENT PLANS AND 2/A-501
- (11) GYM EQUIPMENT, REFER TO EQUIPMENT DRAWINGS.
- (12) PLUMBING FIXTURE, REFER TO EQUIPMENT DRAWINGS AND PLUMBING DRAWINGS.
- (13) FOR DISPLAY BOARD/TV MONITOR, REFER TO EQUIPMENT DRAWINGS. (TYPICAL)
- (14) ROOF HATCH AND SHIPS LADDER.
- (15) FLOOR FINISH TRANSITION, REFER TO FINISH PLANS.
- (16) UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
- (17) CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
- (18) LINE OF NEW CANOPY, REFER TO SECTIONS.
- (19) ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
- (20) NO ARCHITECTURAL WORK IN THIS ROOM.
- (21) TOOTHED-IN SALVAGED BRICK WITH EXISTING.

- (22) W/ DEVICE, REFER TO ELECTRICAL
- (23) INFILL EXISTING LOUVER OPENING WITH TOOTHED IN SALVAGED BRICK 2" RIGID INSULATION AND 4" CMU.
- (24) KNUB BRICK TOGETHER.
- (25) AT 2" BRICK OFFSET PROVIDE MASONRY BRICK TIES AS REQUIRED TO TIE BRICK TOGETHER.

- (26) INSTALL SOLID SURFACE WINDOW SILL
- (27) CURTAIN AND TRACK (R- RADIUS AT CORNER)
- (28) MECHANICAL LOUVER, REFER TO ELEVATIONS AND DETAIL.
- (29) ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS.
- (30) SEMI RECESSED FIRE EXTINGUISHER CABINET, MODIFY WALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CABINET AND MOUNTING HEIGHT

- (32) INSTALL SPRAY INSULATION (R-10) ON BOTTOM SIDE OF DECK AND SUPPORT STRUCTURE IN ENTIRE VESTIBULE AND ON BOTTOM SIDE OF DECK AND SUPPORT STRUCTURE FOR A DISTANCE OF 2'-0" PAST THE OUTSIDE FACE OF THE STOREFRONT SYSTEM, REFER TO 11/A-431

- (33) CMU WALL TO BE GLAZED CMU TO 6'-0" OR 7'-2" AFF CORRIDOR SIDE ONLY TO MATCH ADJACENT EXISTING WALL. FIELD VERIFY. AS REQUIRED FOR PAINT FINISH TO BE CONSISTENT BETWEEN NEW AND EXISTING CONSTRUCTION. MATCH EXISTING COURSE AND STACK BOND PATTERN.

- (34) SEE "K" SERIES DRAWINGS FOR FOOD SERVICE EQUIPMENT IN THIS ROOM.
- (35) ALUMINUM DIVIDER RAIL
- (36) ROOF BELOW, REFER TO ROOF PLAN.

- (37) PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSE KEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM. VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.

- (38) PROVIDE 4" TALL CONCRETE CURB AROUND PERIMETER OF MEZZANINE. REFER TO WALL SECTIONS AND STRUCTURAL DRAWINGS.
- (39) PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION.

- (40) CONCRETE EQUIPMENT PAD, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.

- (41) ROLLING COUNTER DOOR.
- (42) ROLLING SERVICE DOOR.
- (43) ROLLING DOOR/GRILLE KEY SWITCH.
- (44) MECHANICAL GRILL COVER.

- (46) 2" GAP IN WALL WITH EXPANSION JOINT COVER
- (46) DOWNSPOUT WITH ALUMINUM BOOT, REFER TO ROOF PLAN

- (47) INSTALL NEW 1 1/2" O.D. ANODIZED ALUMINUM HANDRAIL WITH ALUMINUM BRACKETS AT 35" ABOVE SLOPE OF RAMP AND FLOOR. EXTEND RAIL 12" PAST TOP AND BOTTOM OF RAMP AND RETURN ENDS TO WALL.

- (48) FLOOR DRAIN, REFER TO PLUMBING DRAWING.
- (49) ALTERNATE: NEW DOOR FRAME AND HARDWARE, REFER TO A-603
- (50) ALTERNATE: EXISTING FRAMES TO REMAIN. INSTALL NEW DOOR, HARDWARE, TRANSOM WHERE APPLICABLE.

- (51) UNIT VENTILATOR HEAVY GAUGE PAINTED METAL CLOSURE TO MATCH UNIT VENTILATOR. COORDINATE EACH CONDITION IN FIELD WITH WALL, FLOOR AND CEILING CONDITION.

- (53) ALTERNATE: NEW METAL PANELS.
- (54) INSTALL NEW SEALANT AND BACKER ROD ALL AROUND WINDOW ASSEMBLY.
- (55) NEW CONCRETE STEPS, REFER TO CIVIL.
- (56) NEW CONCRETE RAMP, REFER TO CIVIL.

- (57) EXISTING RAMP RAILING CONSTRUCTION TO REMAIN, REFER TO CIVIL FOR ADDITIONAL INFORMATION.

- (58) NEW 3 5/8" METAL STUD, TREATED WOOD SHIMS, BATT INSULATION, AND 5/8" GYPSUM BOARD EACH SIDE OF WALL ON TOP OF MASONRY- WALL TO ALIGN COMPLETE ON EACH SIDE FOR SMOOTH TRANSITION.

- (59) CMU INFILL AT OLD OPENING FOR VUV AND LOUVER
- (60) DUMPSTER ENCLOSURE ALUMINUM FENCE AND GATE, REFER TO SPECIFICATIONS.

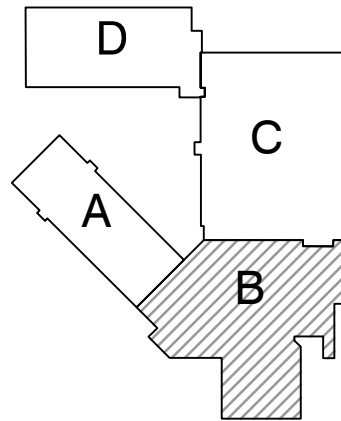


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DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

DOUGLAS
MACARTHUR
ES ADDITIONS
AND
RENOVATIONS
CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA



KEY PLAN

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Indianapolis, IN 46260
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PROJECT

21-113

DATE

01/31/22

COORDINATED BY

DTB

DRAWN BY

DTB MMM

CHECKED BY

TA JPB

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MARK	DATE	ISSUED FOR
AD-2	02/21/2022	ADDENDUM NO. 2

DRAWING

UNIT "B" ARCHITECTURAL
MEZZANINE FLOOR PLAN

PROJECT

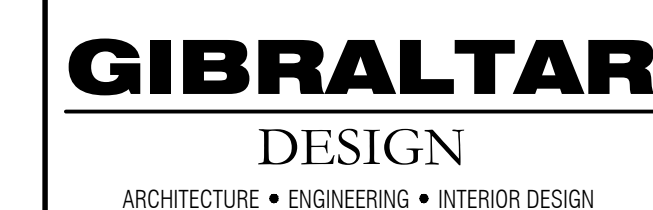
DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

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SHEET

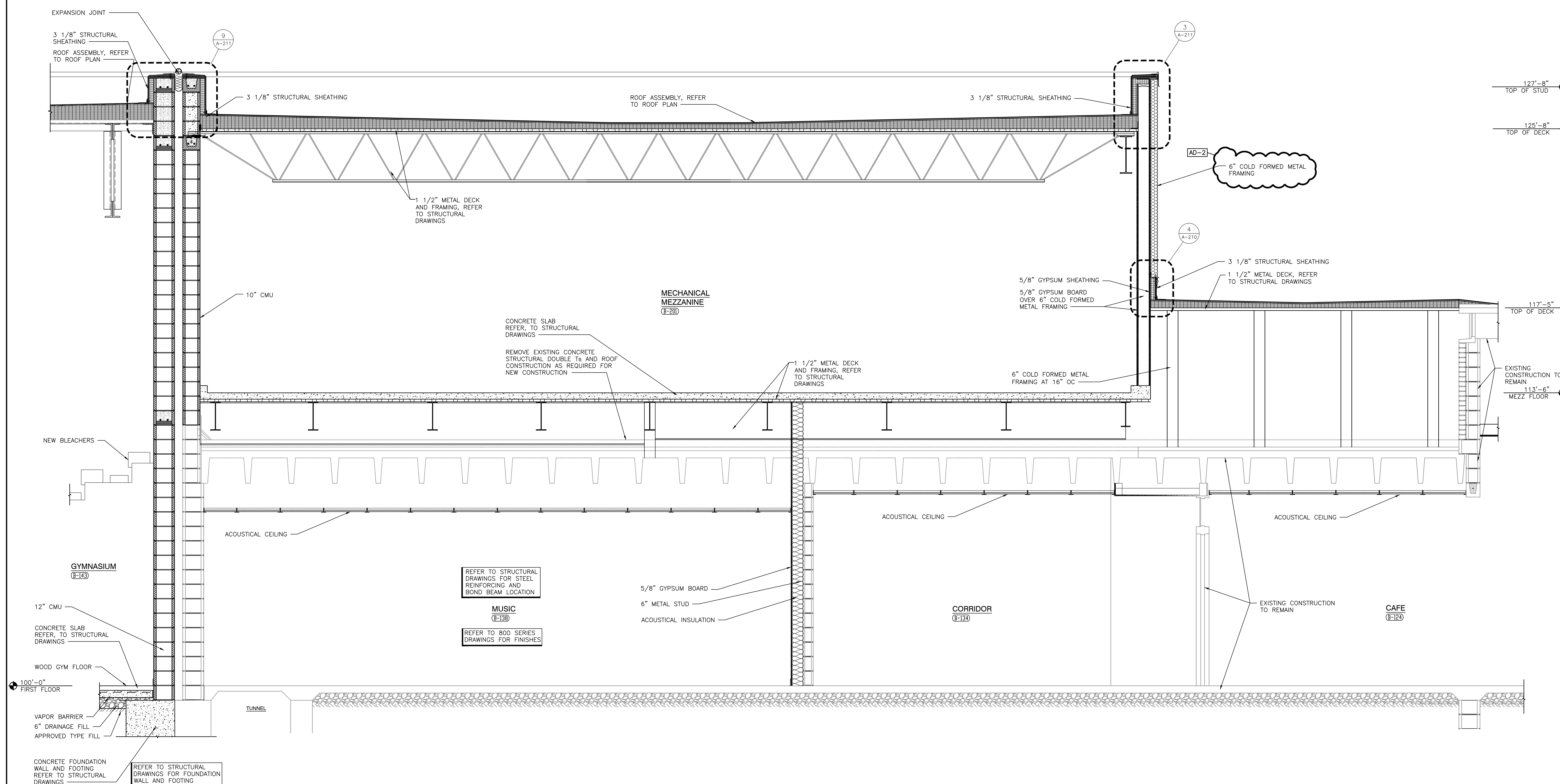
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A-105



PROJECT
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PROJECT
21-113
DATE
01/31/22
COORDINATED BY
DTB
DRAWN BY
DTB
CHECKED BY
TA JPB

JOSEPH P. BRUGS
REGISTERED
ND.
11600109
STATE OF
INDIANA
ARCHITECT
Joseph P. Brugs

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[illegible]

DRAWING
BUILDING SECTION

PROJECT
DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

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A-401

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

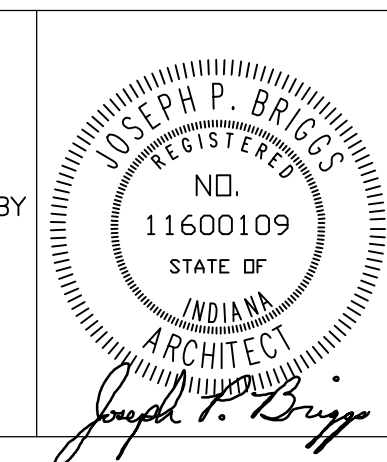
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Thursday, 2/17/2022 - 1:58 PM - LAST SAVED BY: NWESLEY
Y:\21-113 CROWN POINT CSC - MACARTHUR ES ADDITION
AND RENOVATIONS\21-113 DRAWINGS\05 ARCH\A-401.DWG



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MARK	DATE	ISSUED FOR
AD-2	02/21/2022	ADDENDUM NO. 2

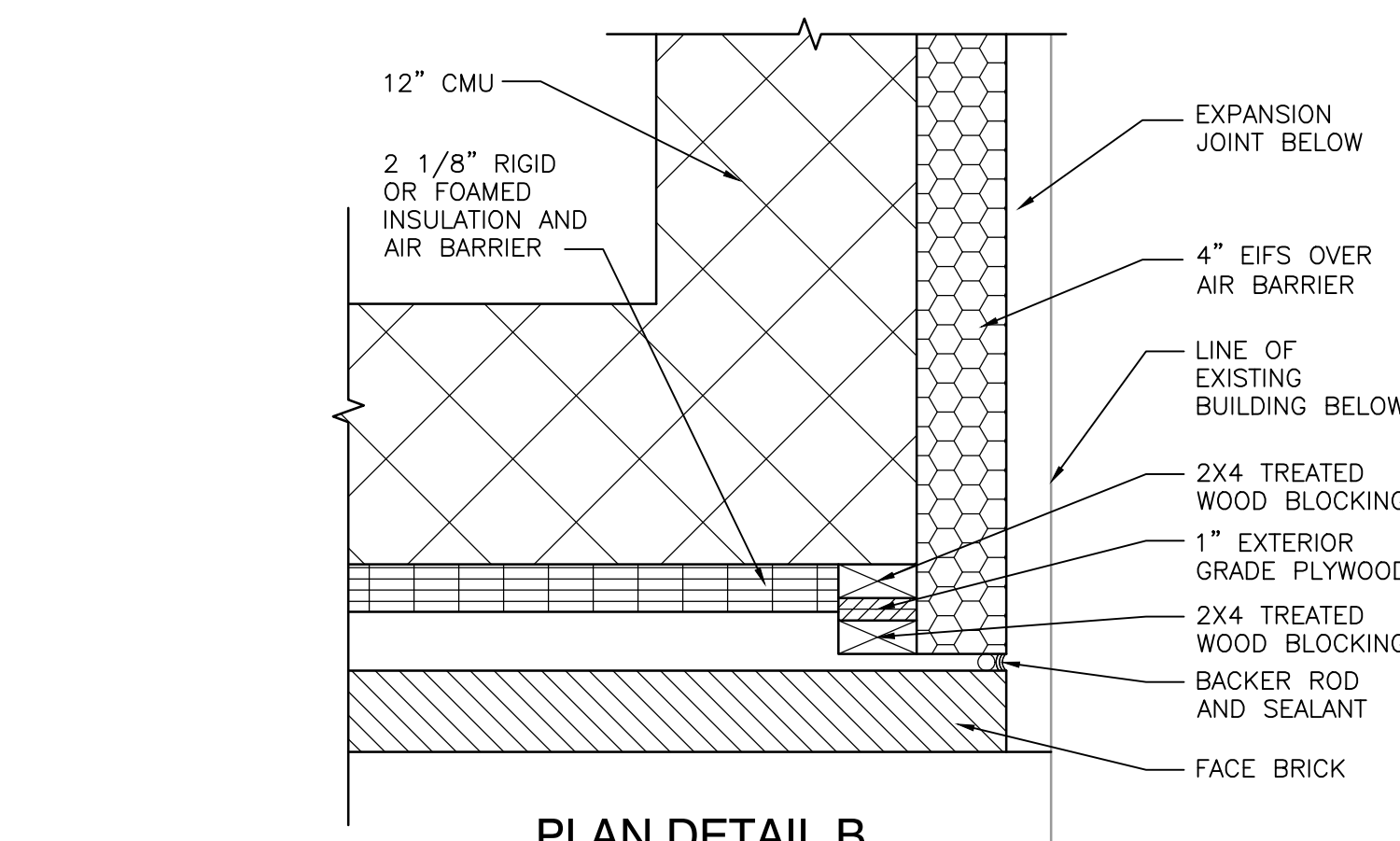
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WALL SECTIONS

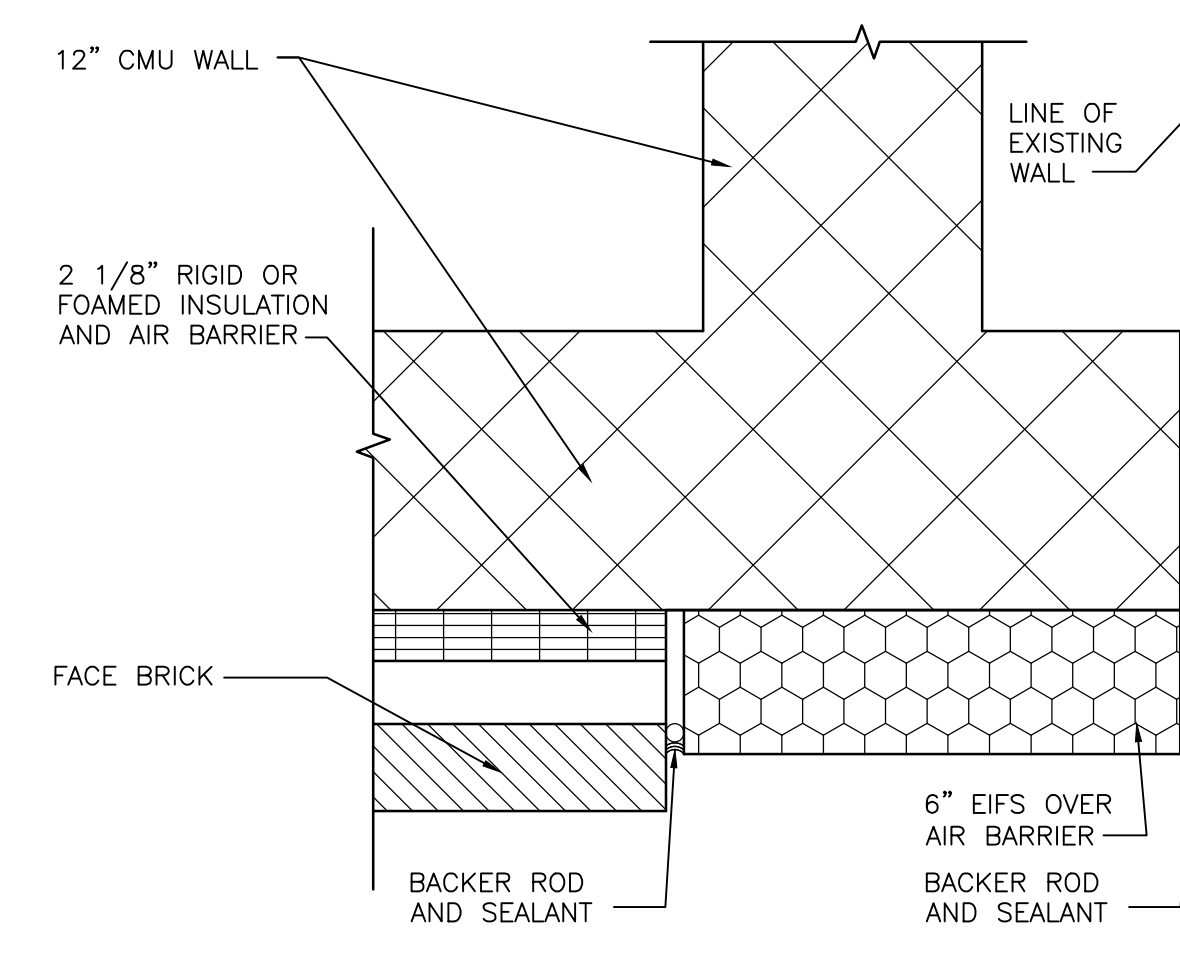
PROJECT
DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

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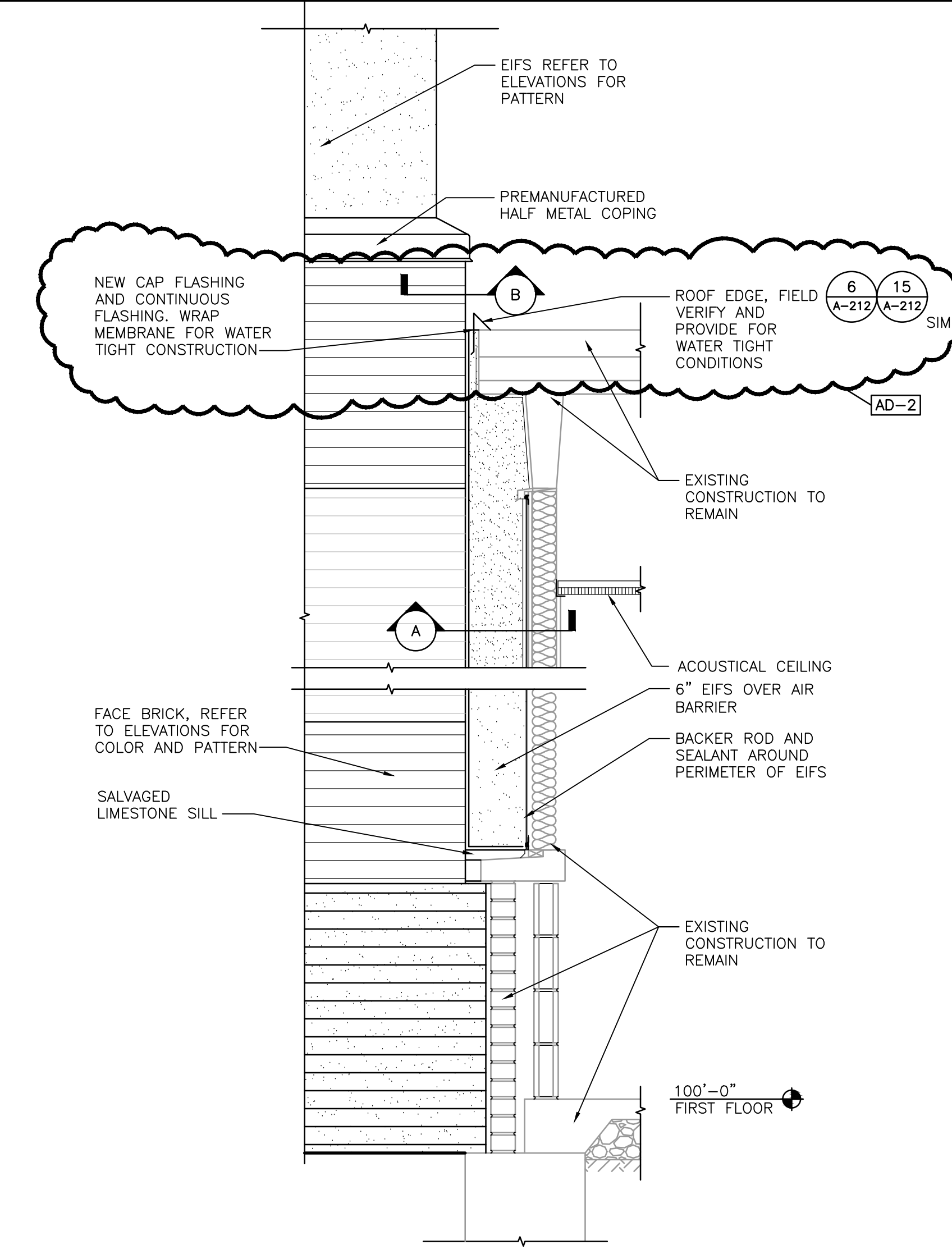
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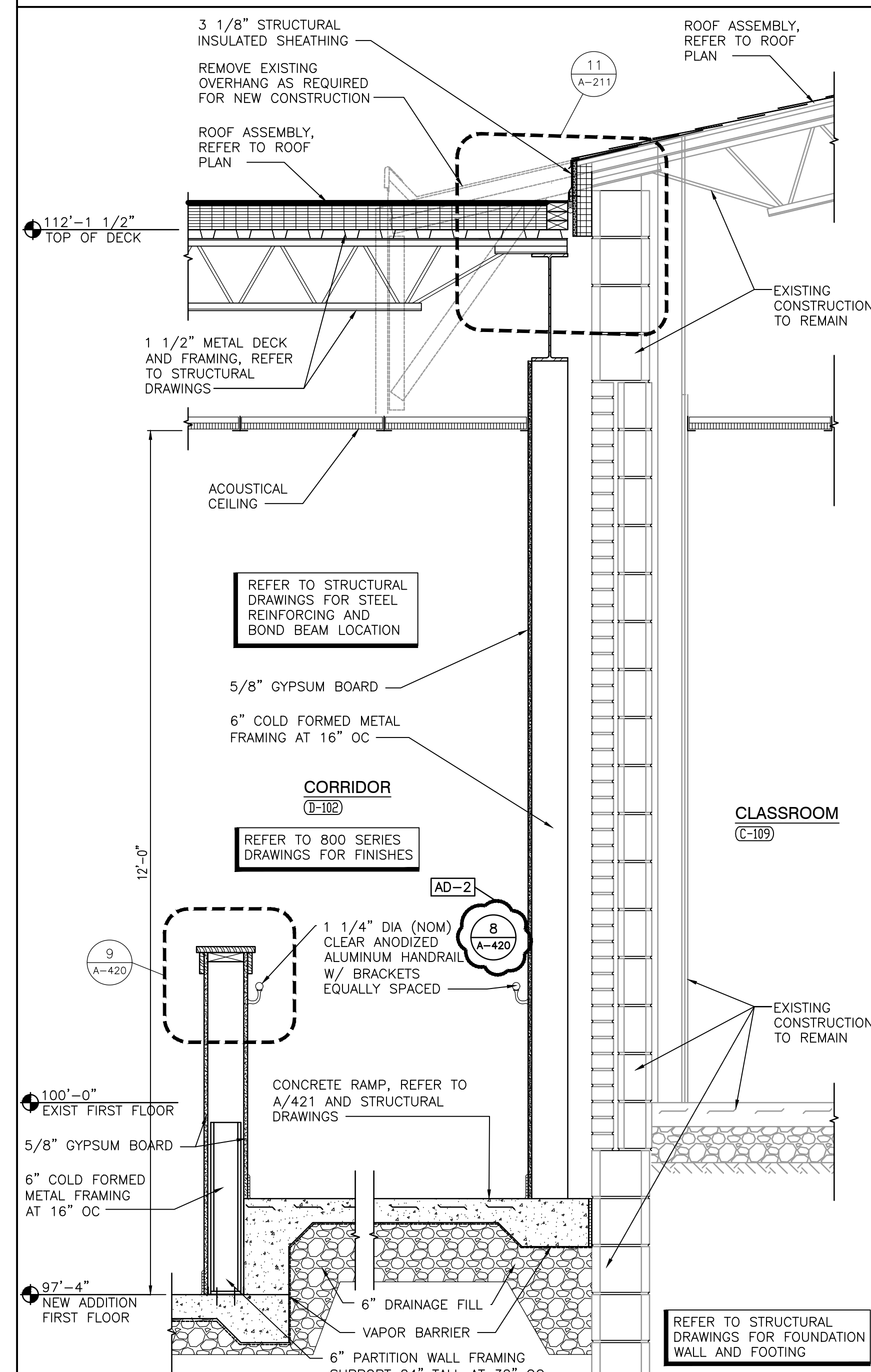
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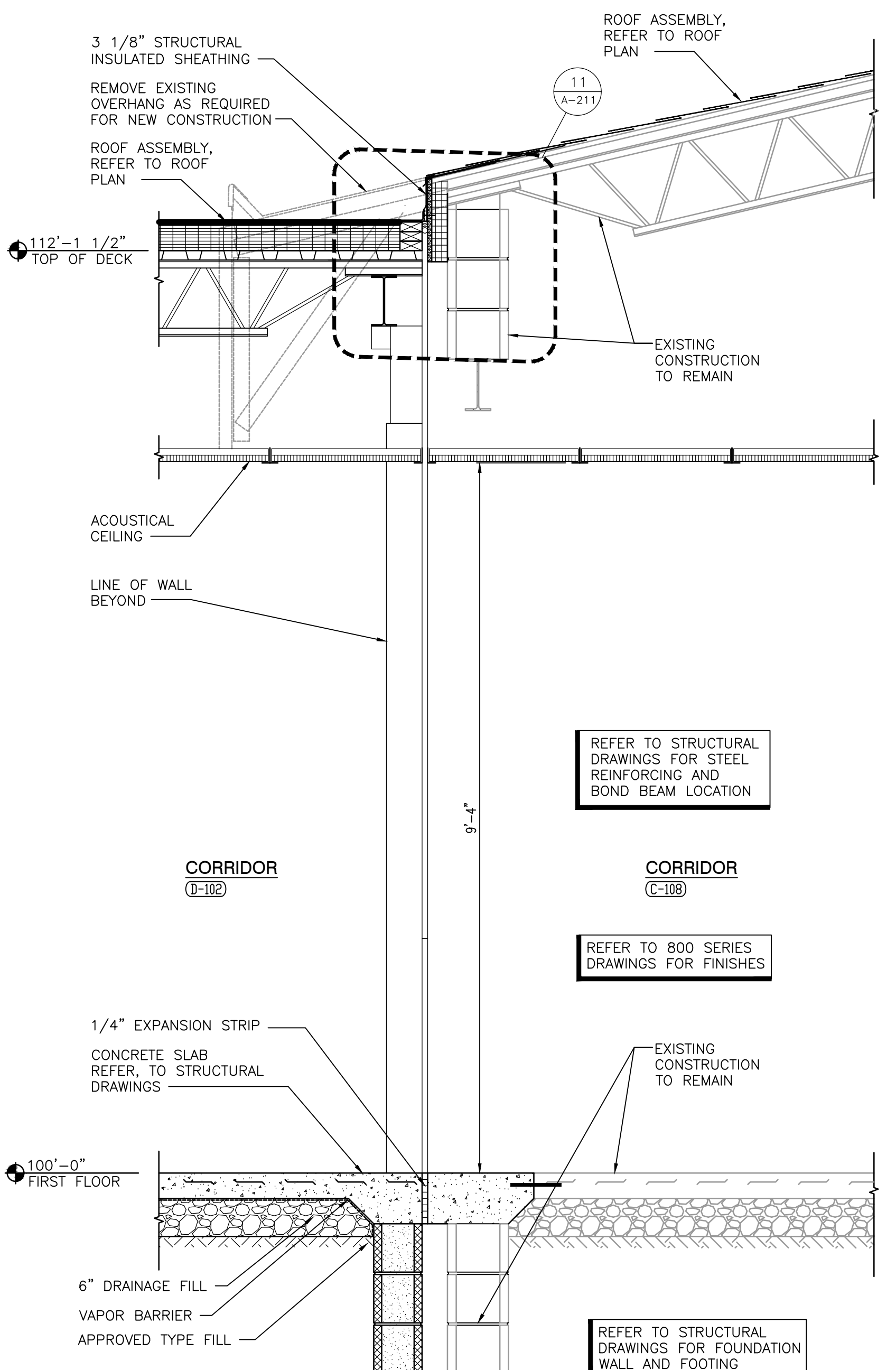
PLAN DETAIL A
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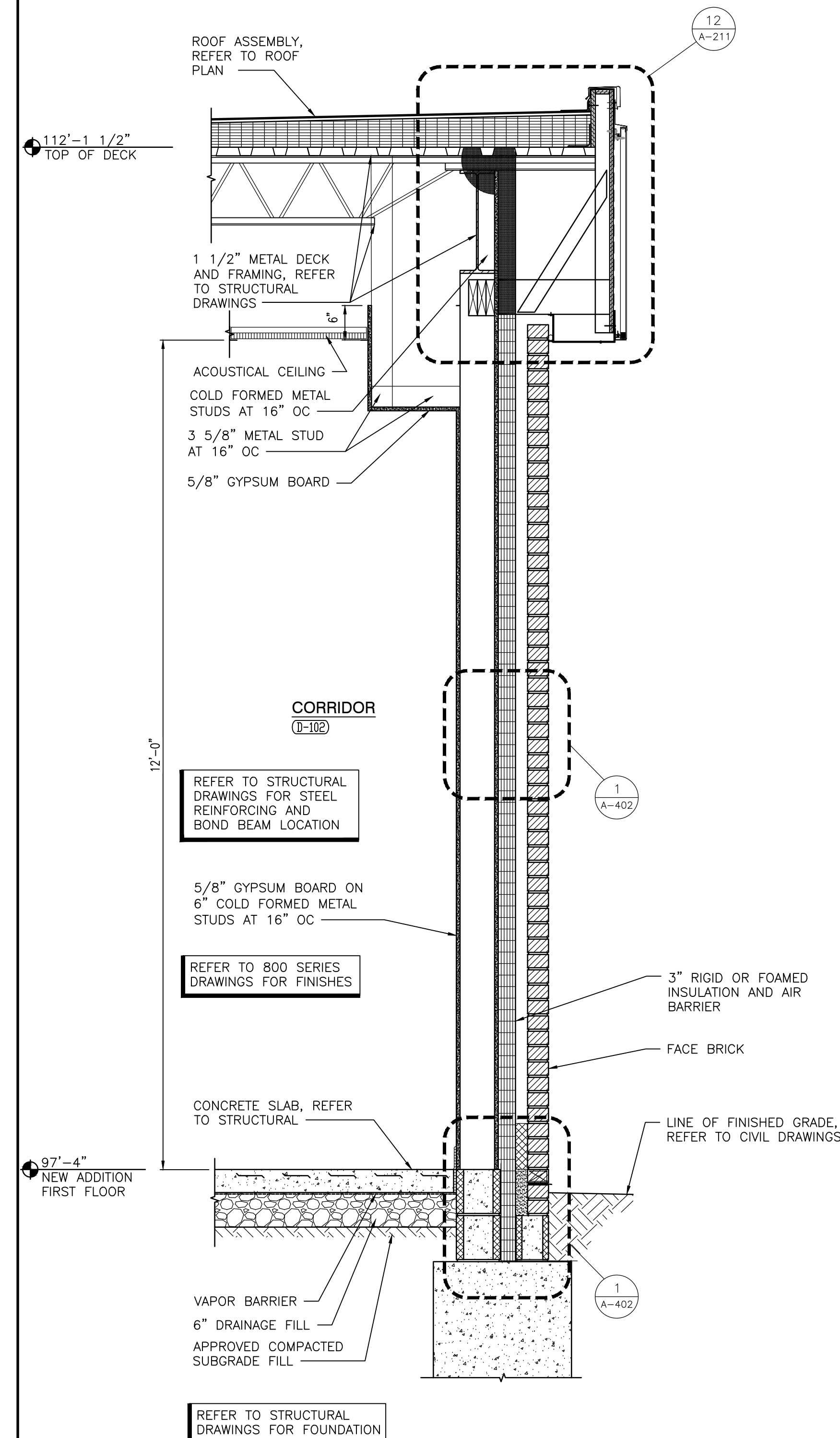
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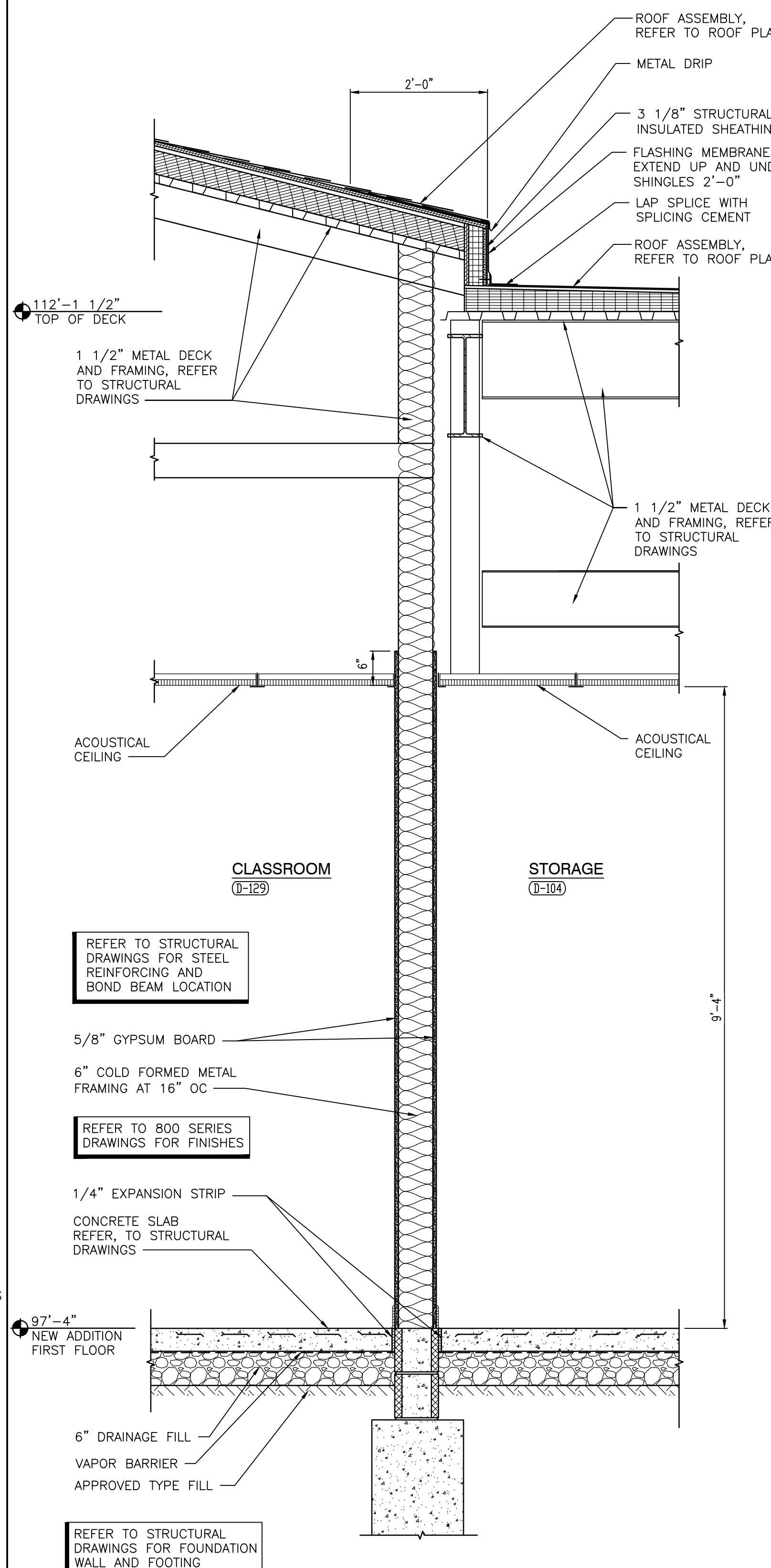
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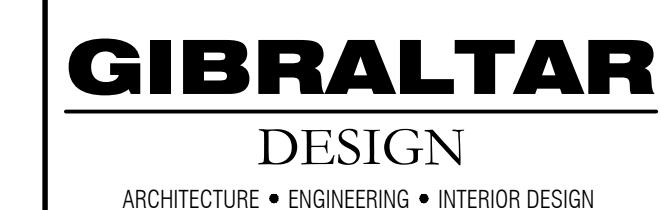
WALL SECTION
SCALE: 3/4" = 1'-0"



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



WALL SECTION
SCALE: $3/4" = 1'-0"$



PROJECT
**DOUGLAS
MACARTHUR
ES ADDITIONS
AND
RENOVATIONS**
CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA



PROJECT 21-113 DATE 01/31/22 COORDINATED BY DTB DRAWN BY DTB CHECKED BY TA JPB	
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[illegible]DRAWING
BUILDING SECTIONS

PROJECT
DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

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A-412

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 I:\21-113 CROWN POINT CSC - MACARTHUR ES ADDITION
 AND RENOVATIONS\21-113 DRAWINGS\05 ARCH\A-412.DWG



PROJECT

**DOUGLAS
MACARTHUR
ES ADDITIONS
AND
RENOVATIONS**

CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

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REVISIONS		
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AD-2	02/21/2022	ADDENDUM NO. 2

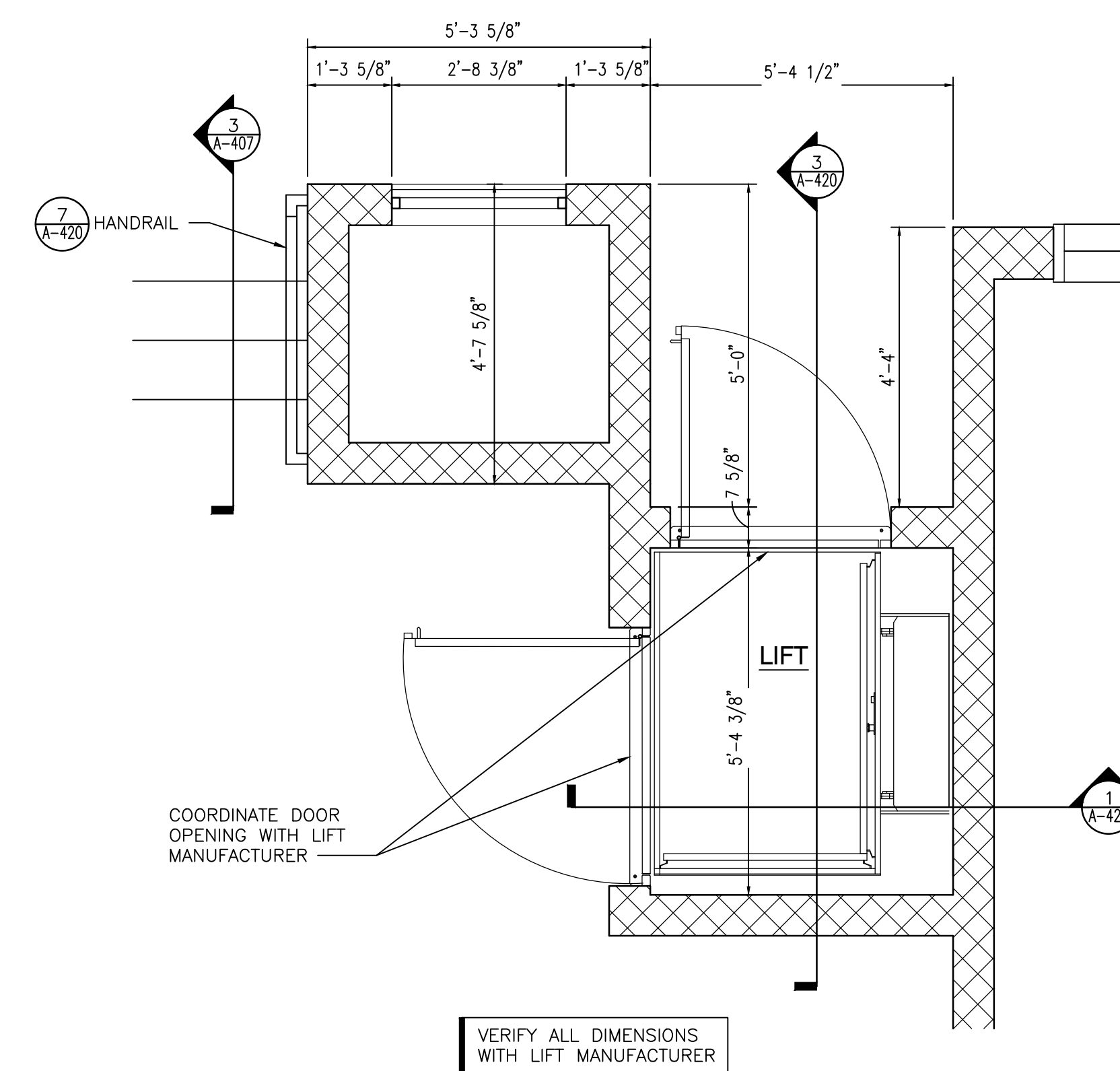
DRAWING
ENLARGED LIFT PLANS

PROJECT
DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

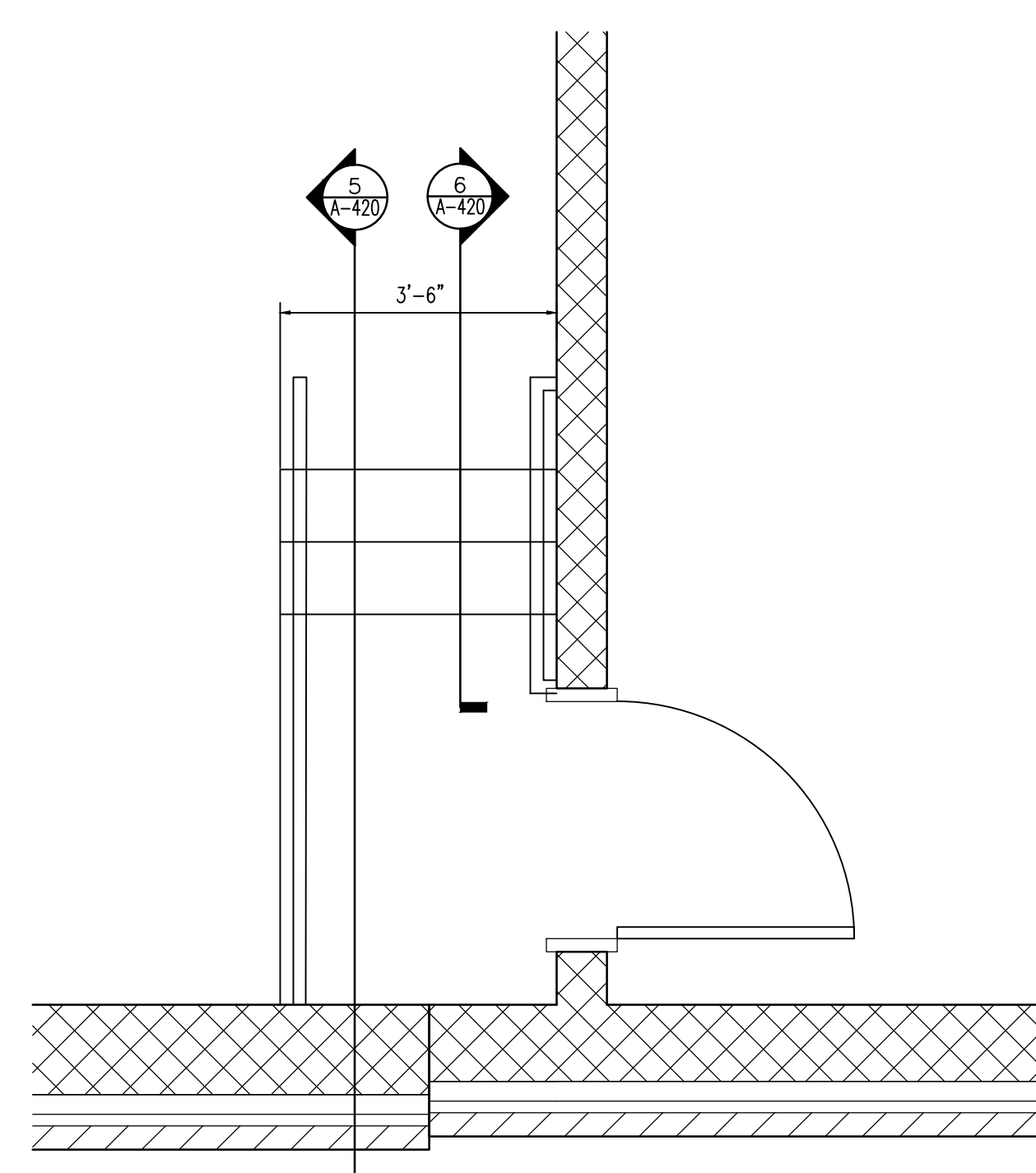
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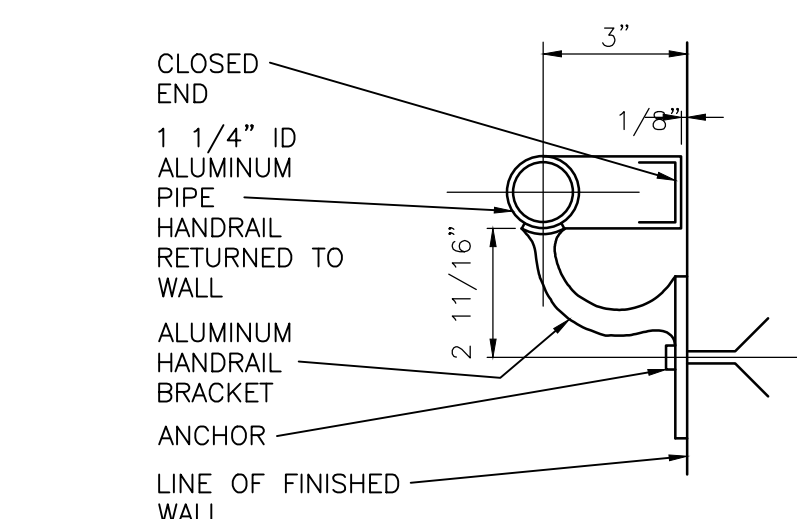
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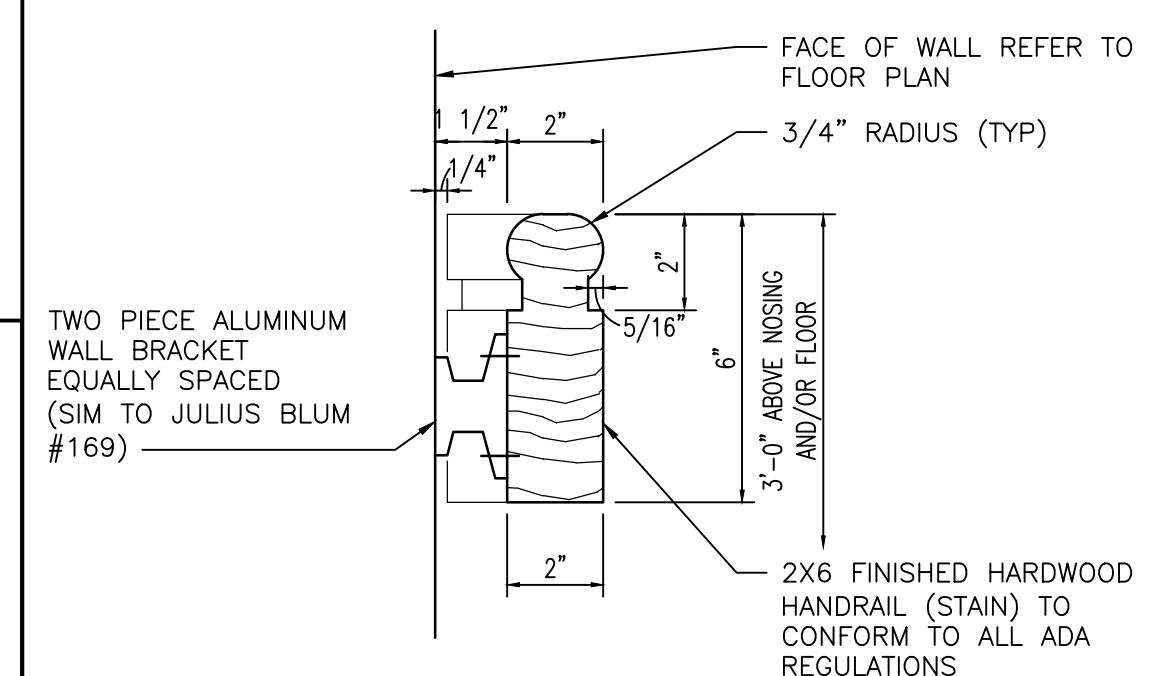
LIFT FLOOR PLAN
SCALE: 1/2" = 1'-0"



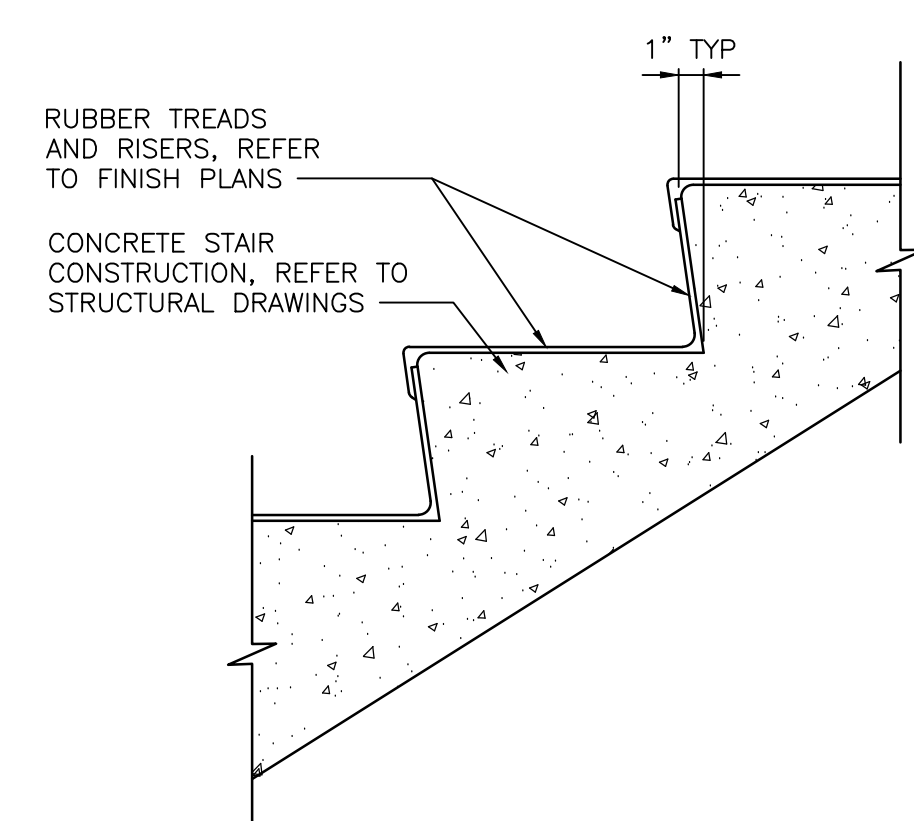
STAIR FLOOR PLAN
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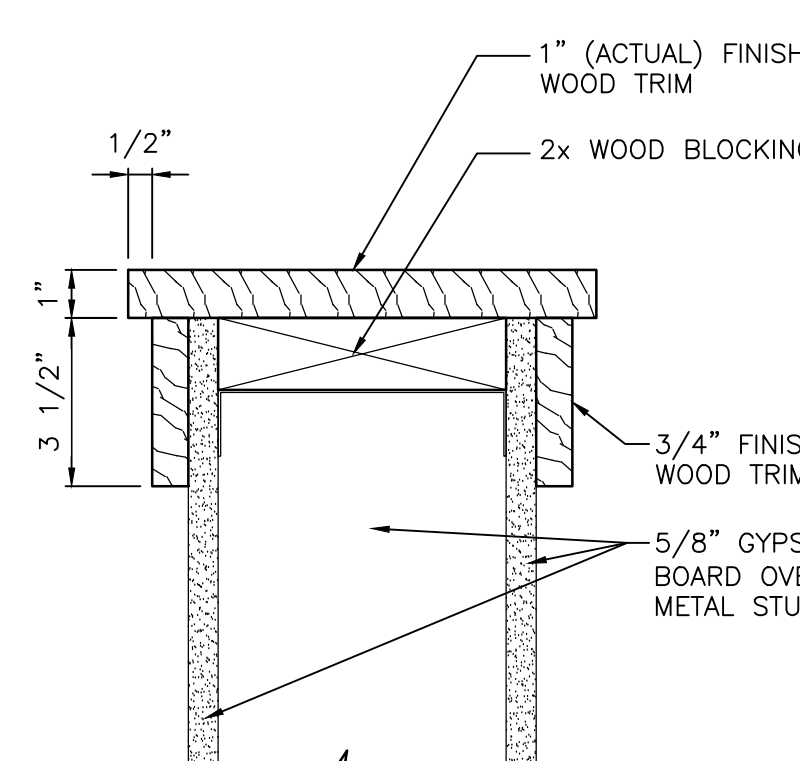
WOOD HANDRAIL DETAIL
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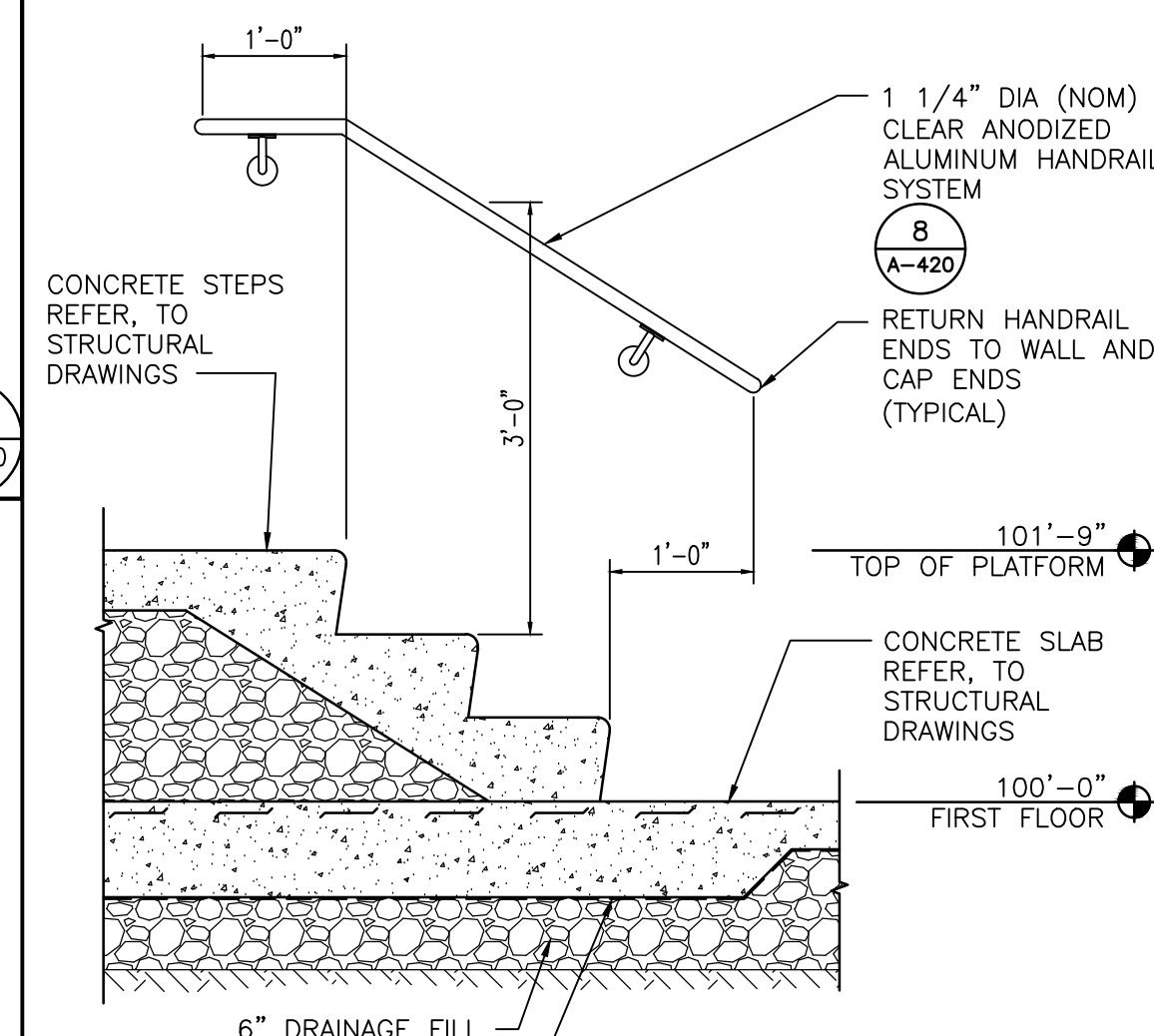
WOOD HANDRAIL DETAIL
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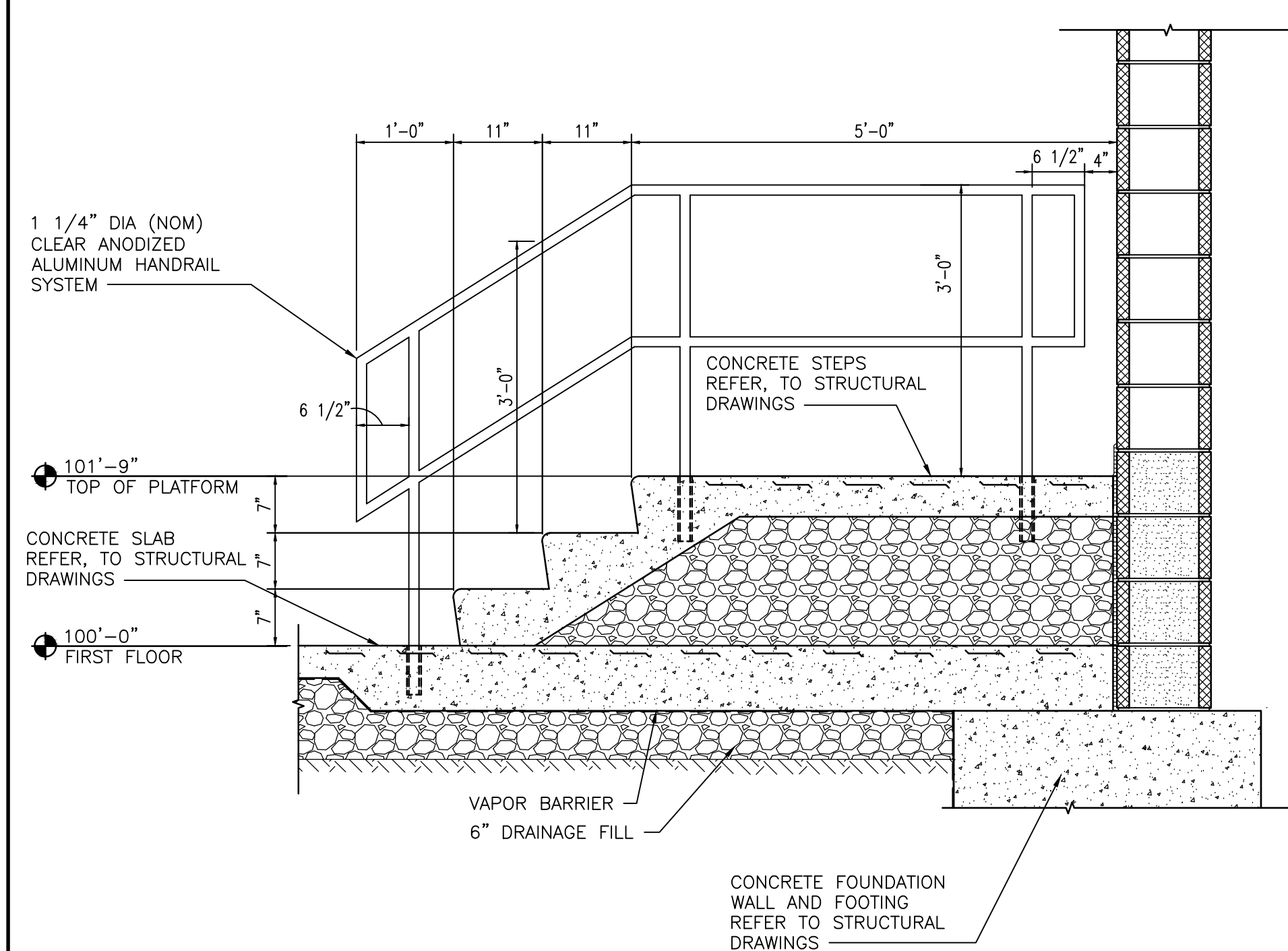
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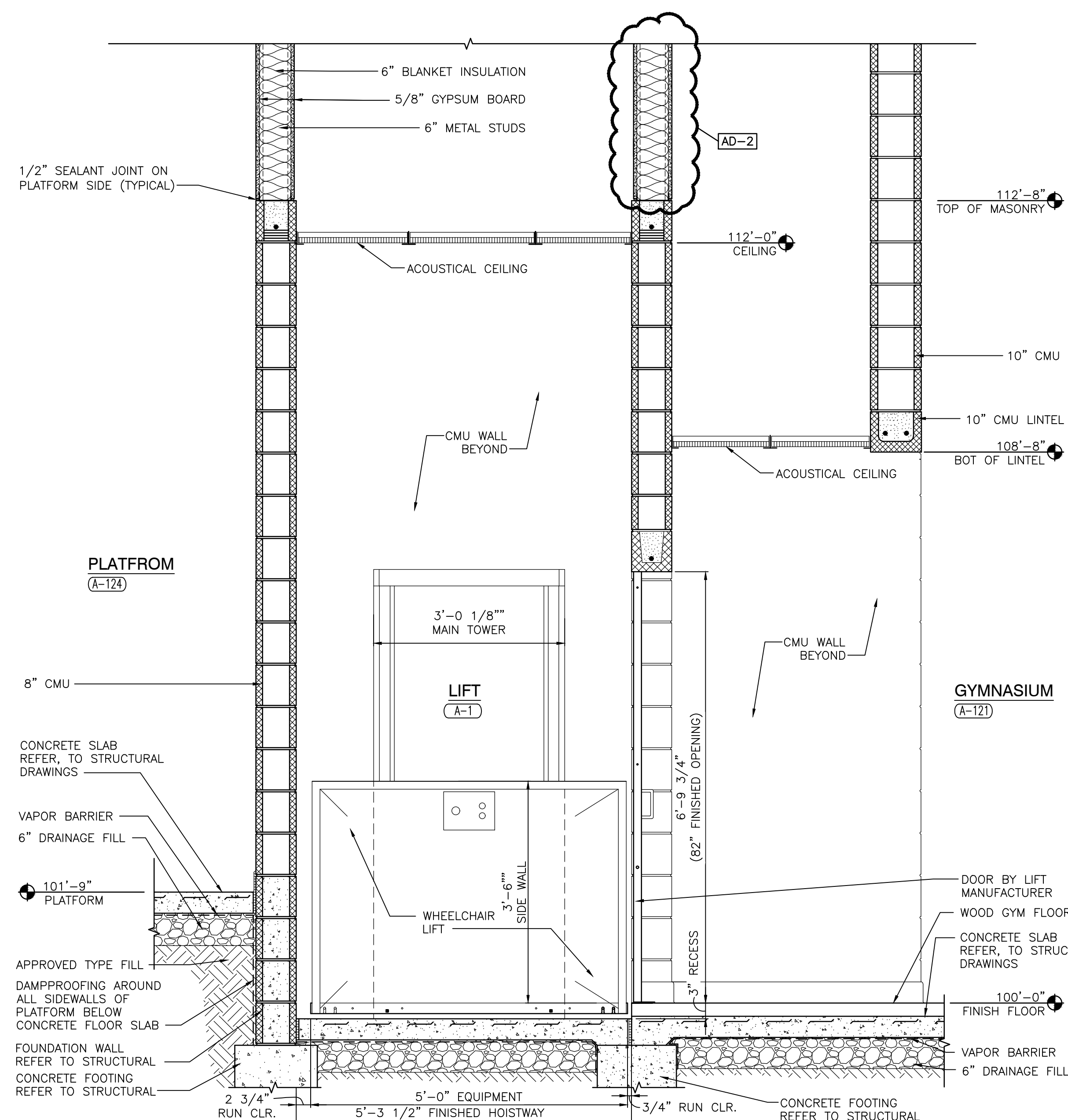
WALL CAP DETAIL
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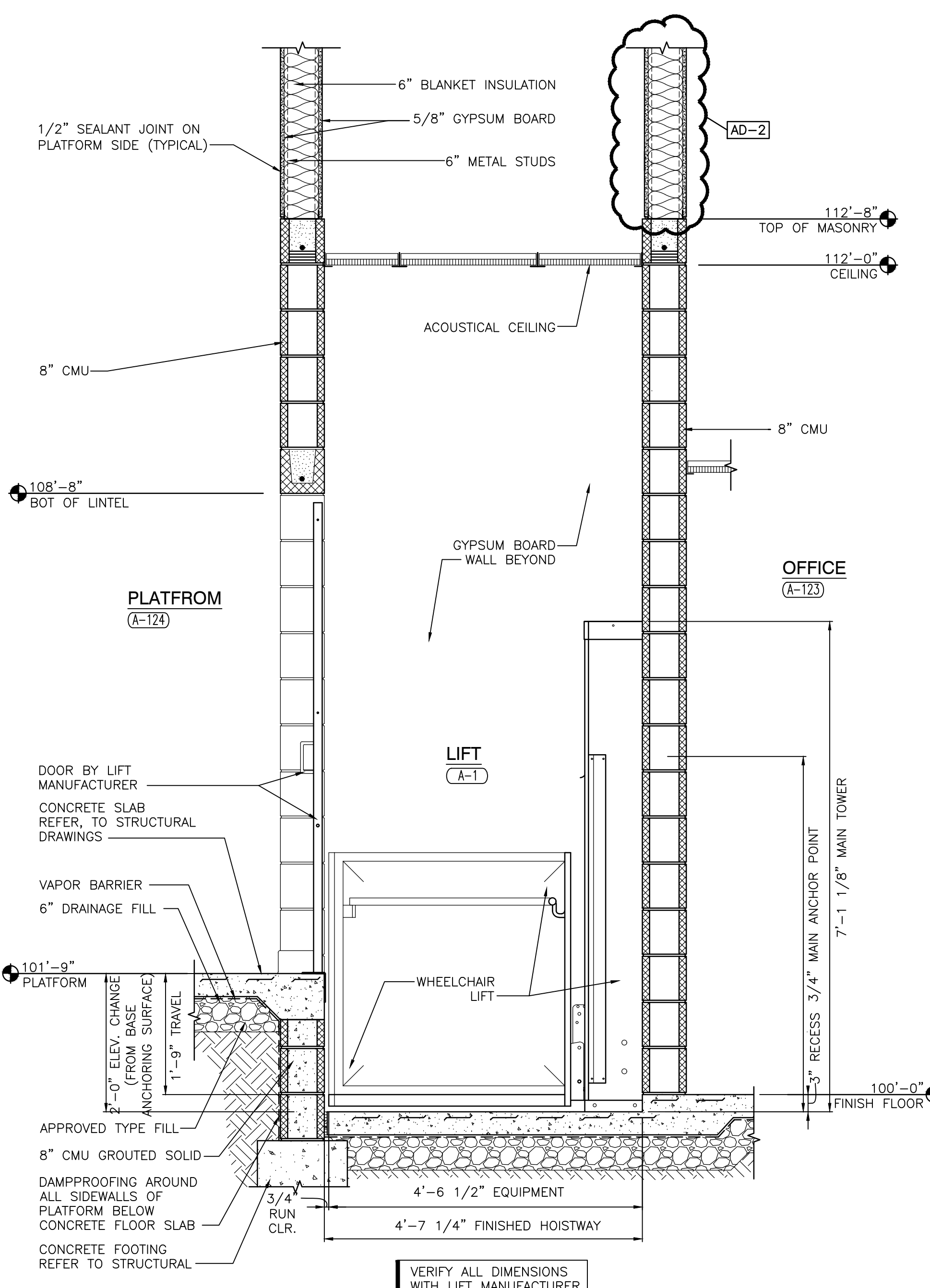
STAIR SECTION
SCALE: $3/4" = 1'-0"$



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



WHEELCHAIR LIFT SECTION
SCALE: 3/4" = 1'-0"

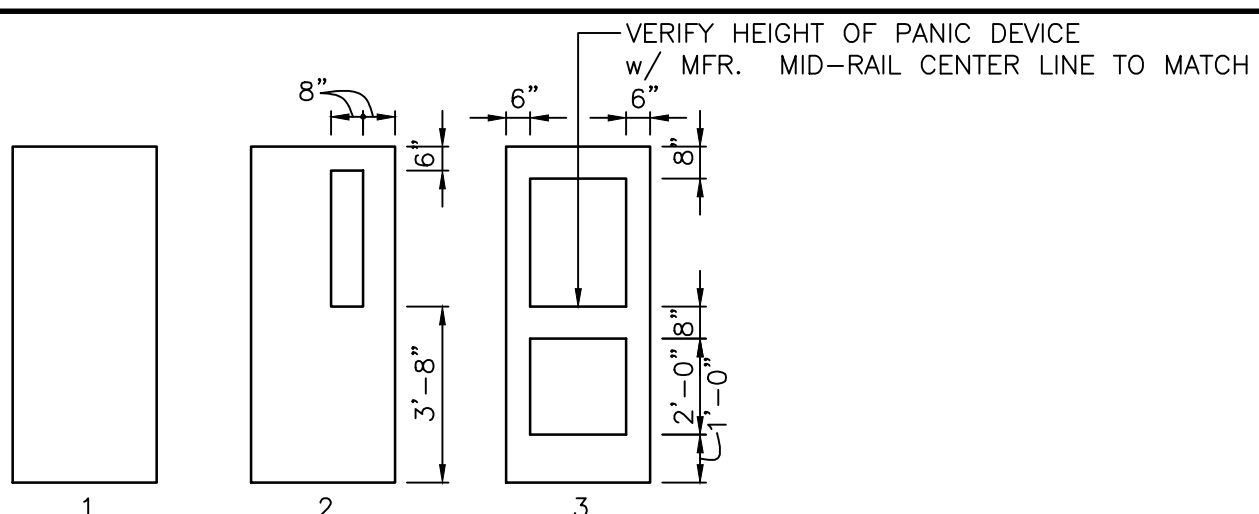


WHEELCHAIR LIFT SECTION
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Thursday, 2/17/2022 - 2:04 PM - LAST SAVED BY:DBURNS
Y:\21-113 CROWN POINT CSC - MACARTHUR ES ADDITION
AND RENOVATIONS\21-113 DRAWINGS\05 ARCH\A-420.DWG

DOOR AND FRAME SCHEDULE

GLASS SCHEDULE	
MK	GLASS TYPES
A	1/4" CLEAR TEMPERED
B	1" INSUL. SAFETY GLASS (TINTED)
C	1" INSUL. SAFETY GLASS (CLEAR)
D	1" INSUL. SPANDREL GLASS
E	1/2" LAMINATED SAFETY
F	3/8" ACOUSTIC LAMINATED SAFETY GLASS

[illegible]

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PROJECT

**DOUGLAS
MACARTHUR
SCHOOL ADDITIONS
AND
RENOVATIONS**

CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN

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Phone 317.580.5777 Fax 317.580.5778

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01 11

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DRAWING		

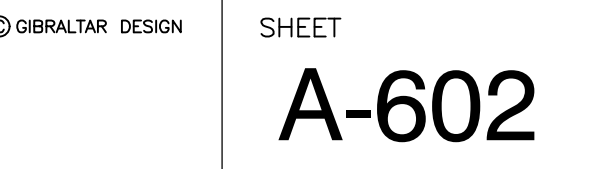
DOOR AND FRAME SCHEDULE

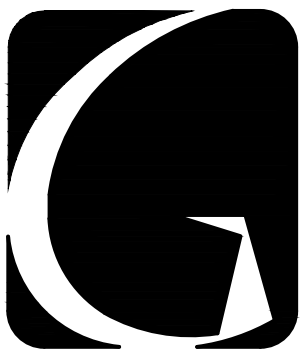
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DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

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A-601

A-001



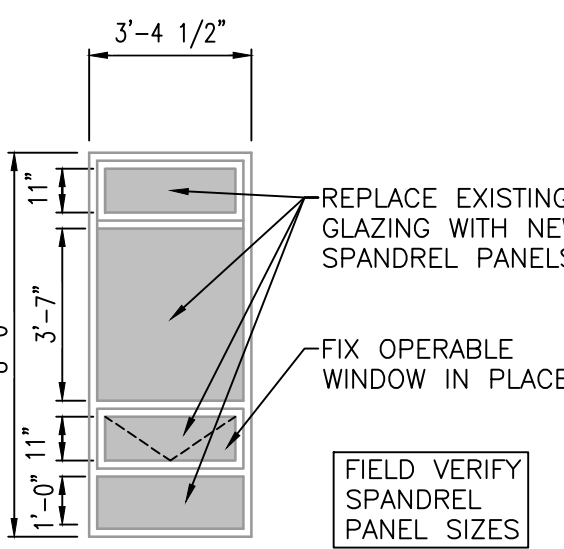


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PROJECT
**DOUGLAS
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ES ADDITIONS
AND
RENOVATIONS**
CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA

NOTES - ALUMINUM STOREFRONT (W)

1. PROVIDE SHIM SPACE, BACKER ROD AND SEALANT AROUND PERIMETER OF ALL WINDOW FRAMING WHERE FRAMING ABUTS DISSIMILAR MATERIALS.
2. PROVIDE FOAM INSULATION IN SHIM SPACE AROUND PERIMETER OF ALL EXTERIOR WINDOW FRAMING.
3. DIMENSIONS SHOWN ARE NOMINAL. FIELD VERIFY ALL DIMENSIONS SHOWN PRIOR TO FABRICATION AND INSTALLATION.
4. ALL FRAMES IN EXTERIOR WALLS SHALL BE THERMALLY BROKEN WITH 1" INSULATED GLAZING.
5. ALL GLAZING SHALL CONFORM TO STATE AND LOCAL CODES.
6. PROVIDE 3/4"x3/4" ALUMINUM SCRIBE MOLD AT PERIMETER OF BOTH SIDES ON ALL WINDOWS UNLESS NOTED OTHERWISE. SET SCRIBE MOLDS IN SEALANT.



W1

ALUMINUM STOREFRONT ELEVATIONS (W)

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

3

A-620

KEY PLAN

GIBRALTAR DESIGN

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Phone: 317.580.5777 Fax: 317.580.5778

PROJECT

21-113

DATE

01/31/22

COORDINATED BY

XXX XXX

DRAWN BY

XXX XXX

CHECKED BY

XXX XXX

ARCHITECT

JOSEPH P. BRIGGS

NO. 11600109

STATE OF INDIANA

REVISIONS

MARK DATE ISSUED FOR

AD-2 02/21/2022 ADDENDUM NO. 2

DRAWING

STOREFRONT FRAME AND WINDOW ELEVATIONS AND DETAILS

PROJECT

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ADDITIONS AND RENOVATIONS

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SHEET

A-620

NOTES - ALUMINUM STOREFRONT (SF)

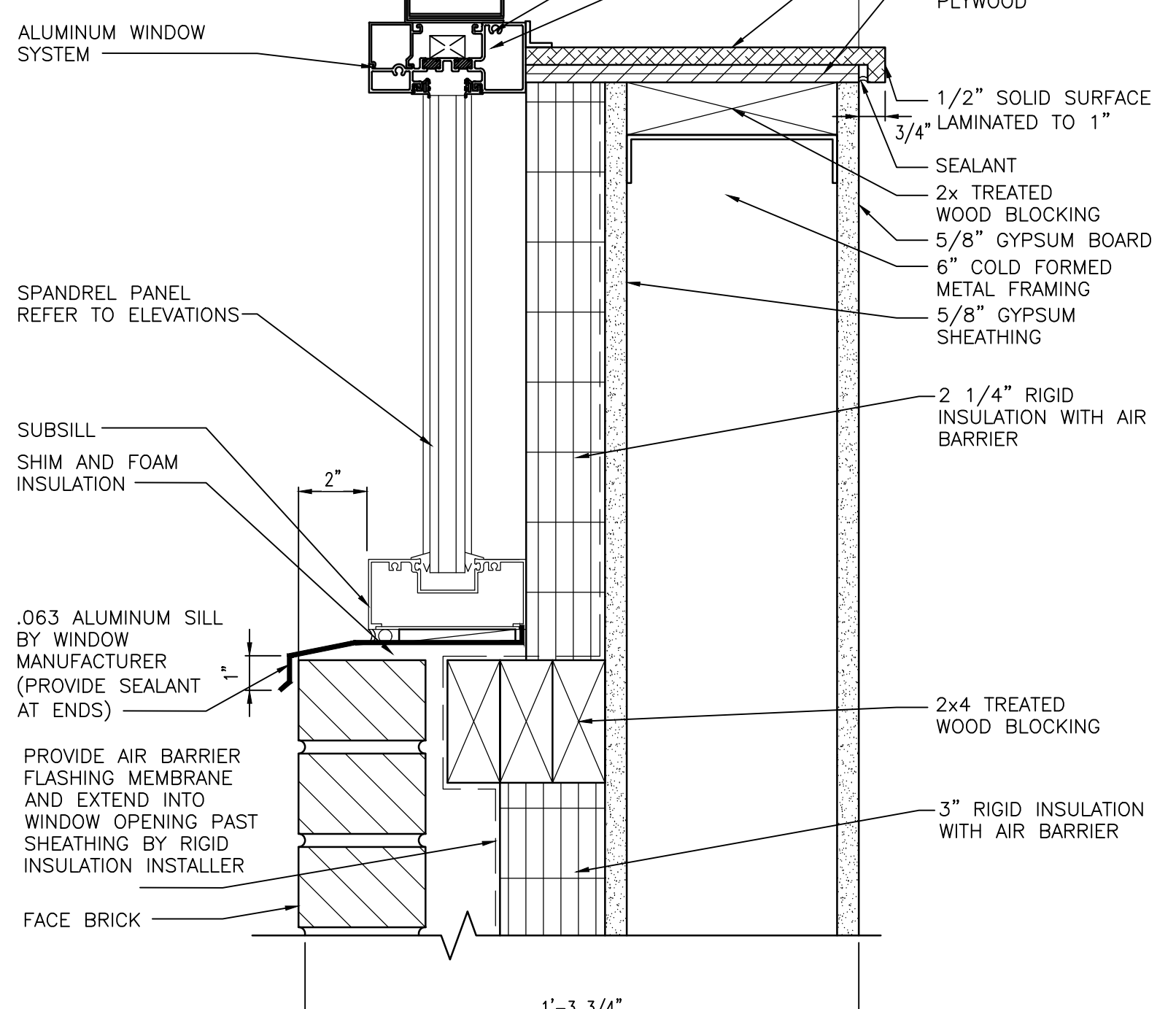
1. FOR STOREFRONT HEAD, JAMB, AND SILL DETAILS REFER TO WALL SECTIONS AND ALUMINUM STOREFRONT (SF) FRAME PROFILES (2/A-610).
2. PROVIDE SHIM SPACE, BACKER ROD, AND SEALANT AROUND PERIMETER OF ALL FRAMES WHERE FRAMING ABUTS DISSIMILAR MATERIAL.
3. PROVIDE FOAM INSULATION IN SHIM SPACE AROUND PERIMETER OF ALL EXTERIOR STOREFRONT FRAMING.
4. DIMENSIONS SHOWN ARE NOMINAL. FIELD VERIFY ALL DIMENSIONS SHOWN PRIOR TO FABRICATION AND INSTALLATION.
5. ALL FRAMES IN EXTERIOR WALLS SHALL BE THERMALLY BROKEN WITH 1" INSULATED GLAZING.
6. REFER TO DOOR AND FRAME SCHEDULE FOR GLASS SCHEDULE.
7. ALL GLAZING SHALL CONFORM TO STATE AND LOCAL CODES.
8. PROVIDE 3/4"x3/4" ALUMINUM SCRIBE MOLD AT PERIMETER OF BOTH SIDES ON ALL FRAMES UNLESS NOTED OTHERWISE. SET SCRIBE MOLDS IN SEALANT.

ALUMINUM STOREFRONT ELEVATIONS (SF)

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

1

A-620

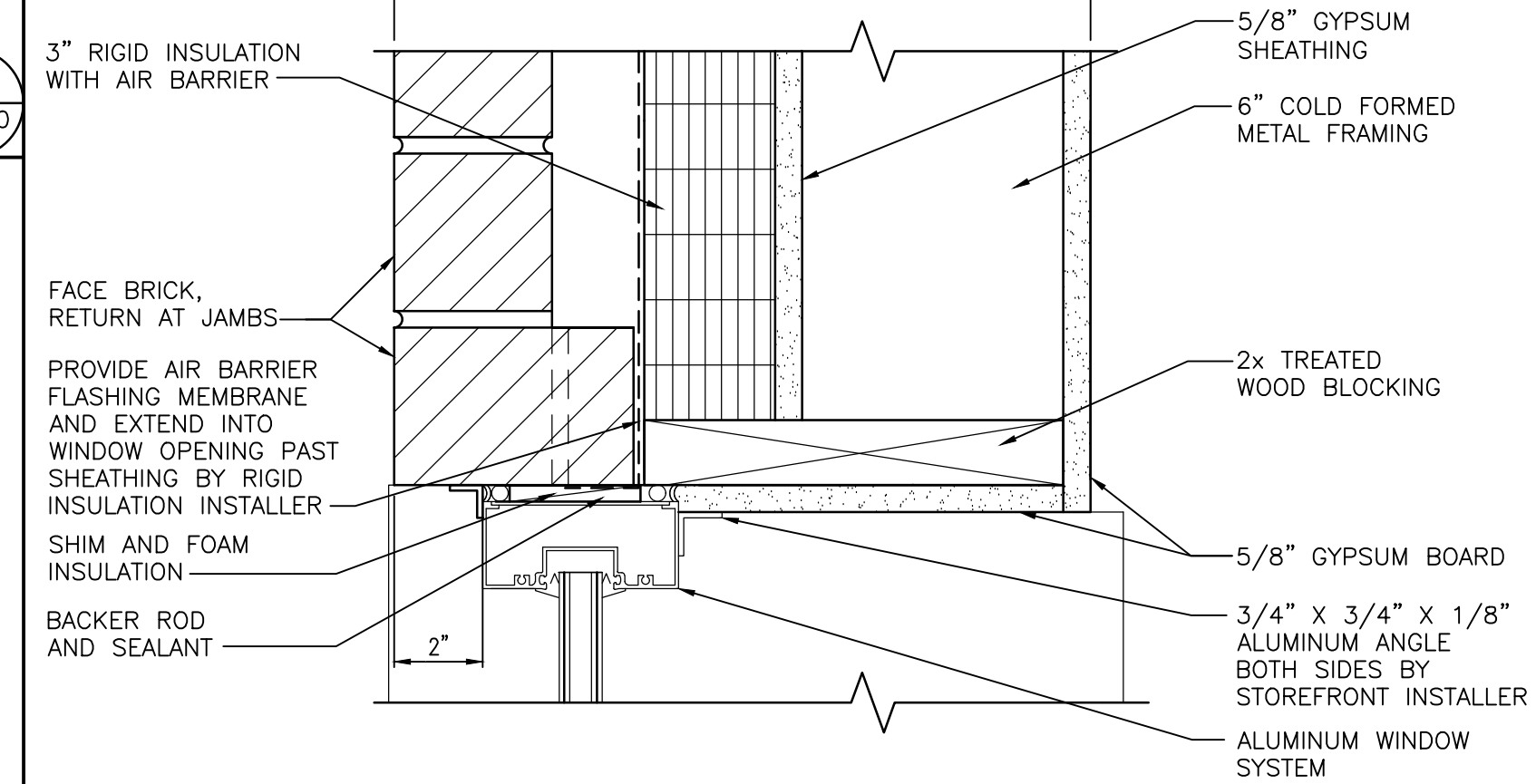


SILL DETAIL

SCALE: 3" = 1'-0"

4

A-620

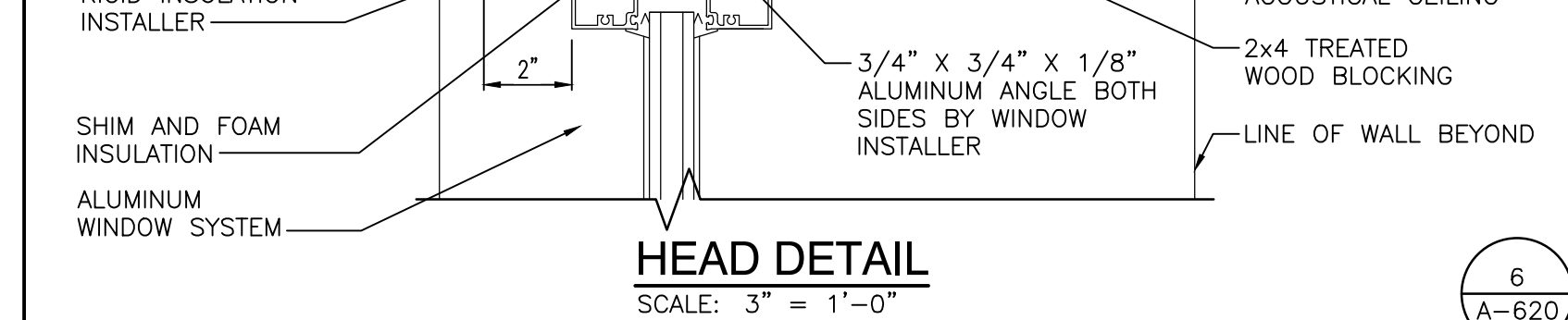


JAMB DETAIL

SCALE: 3" = 1'-0"

5

A-620

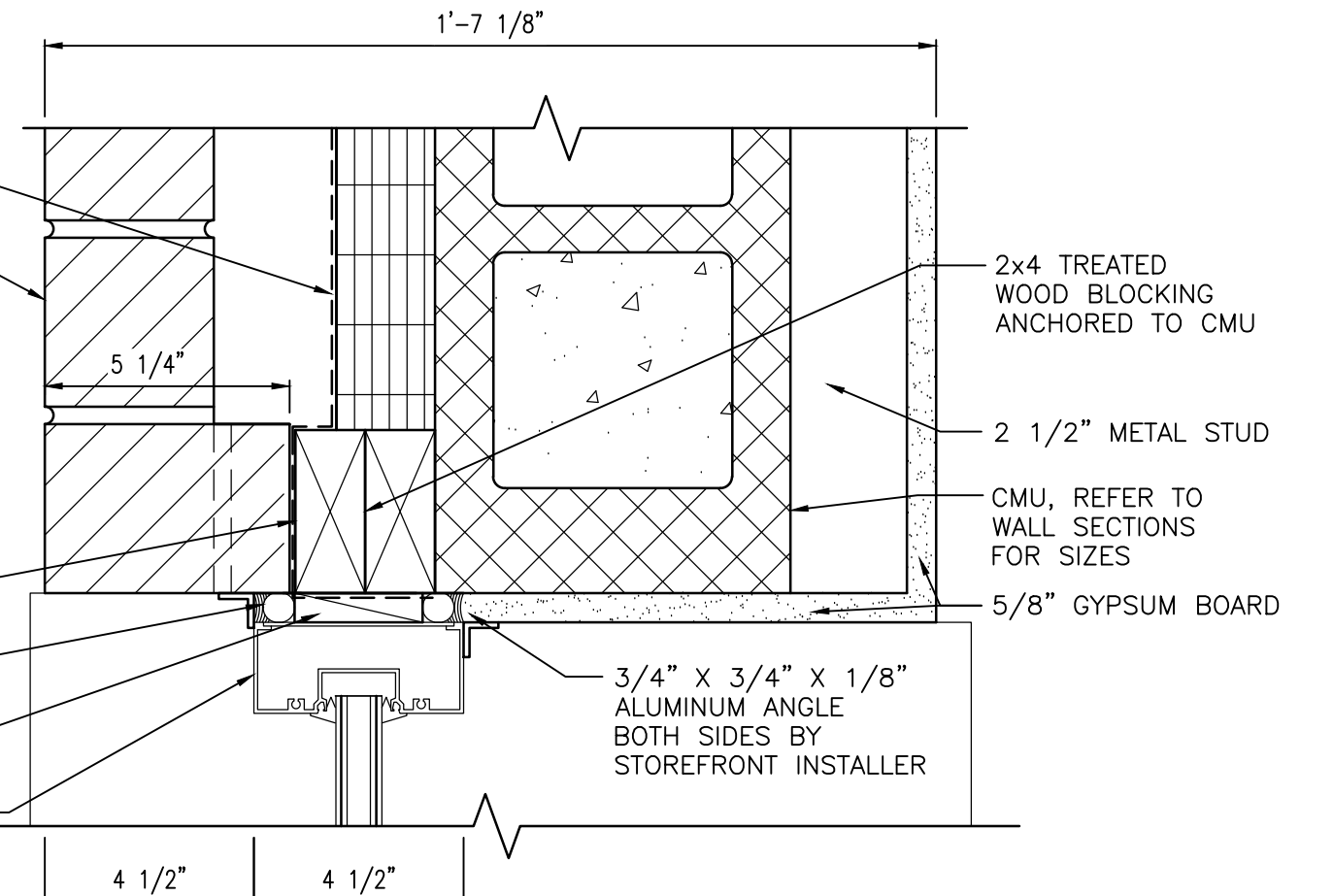


HEAD DETAIL

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6

A-620

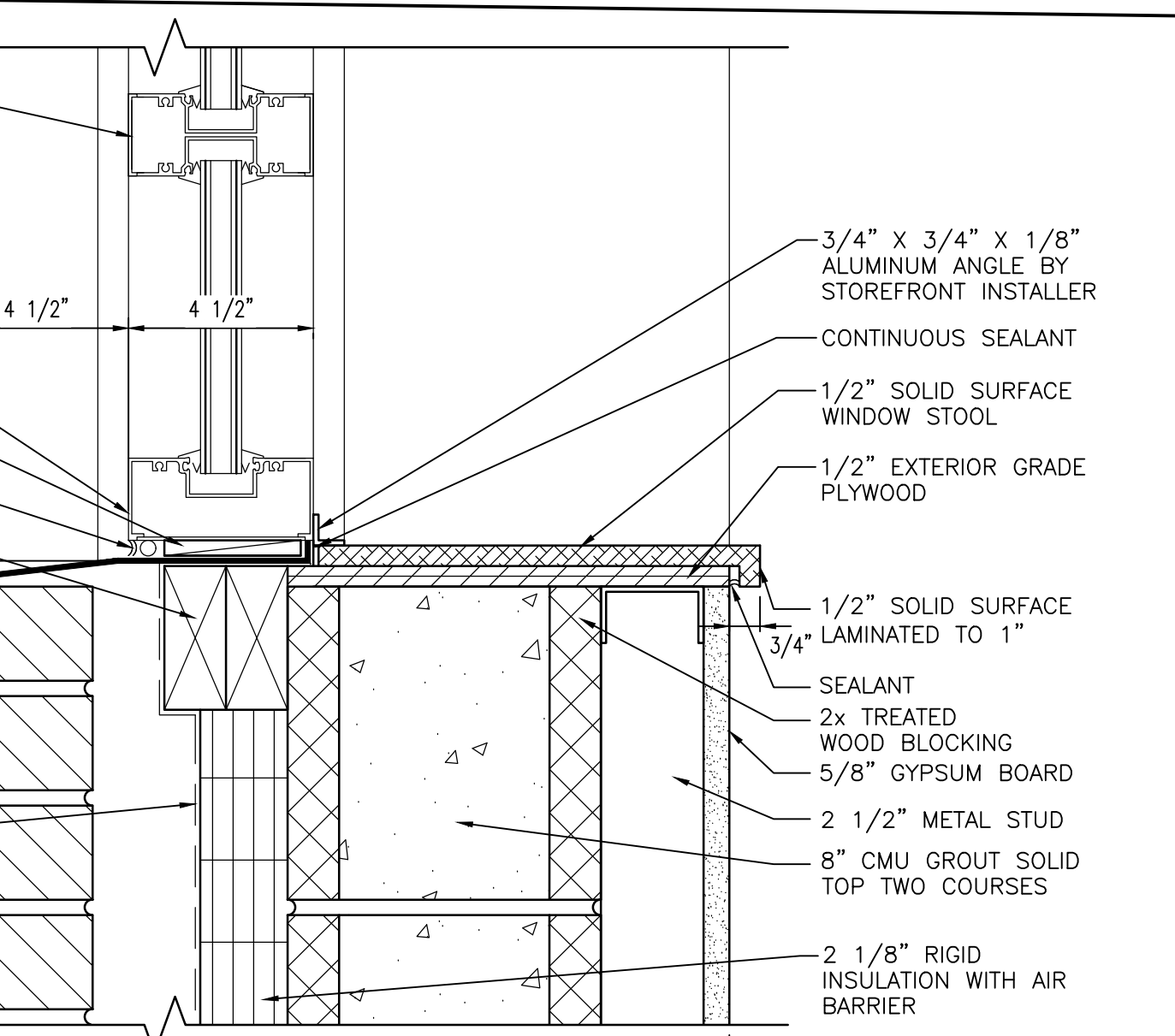


JAMB DETAIL

SCALE: 3" = 1'-0"

8

A-620

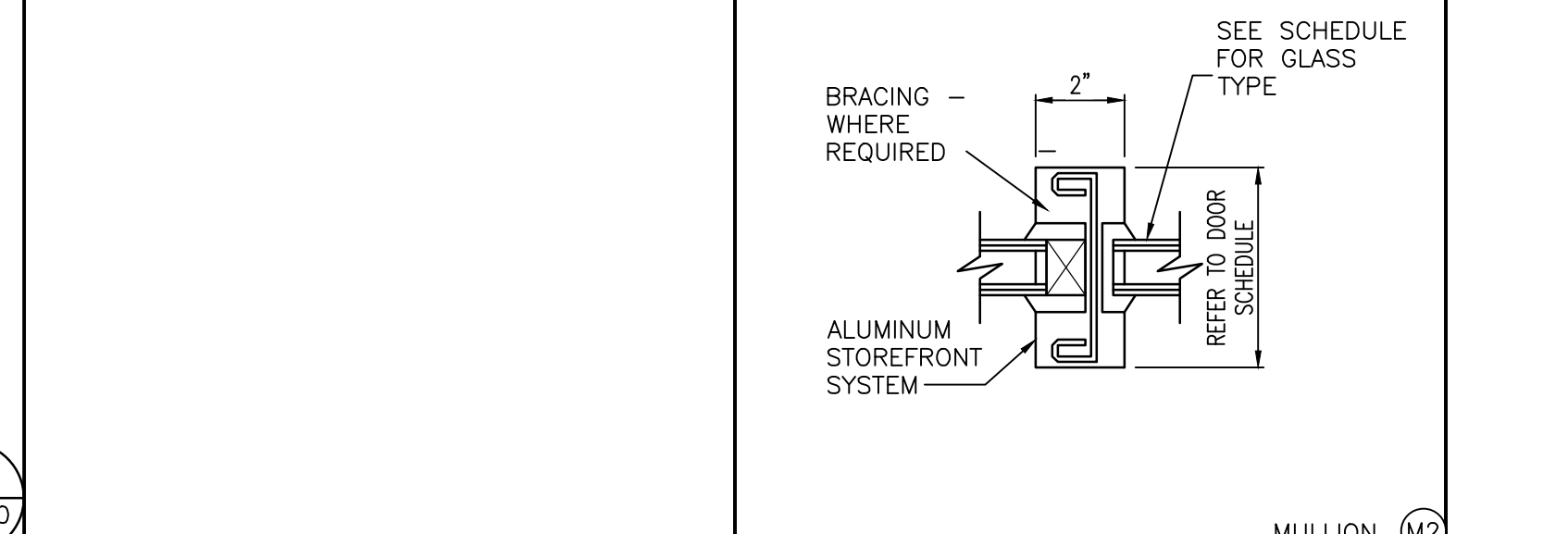


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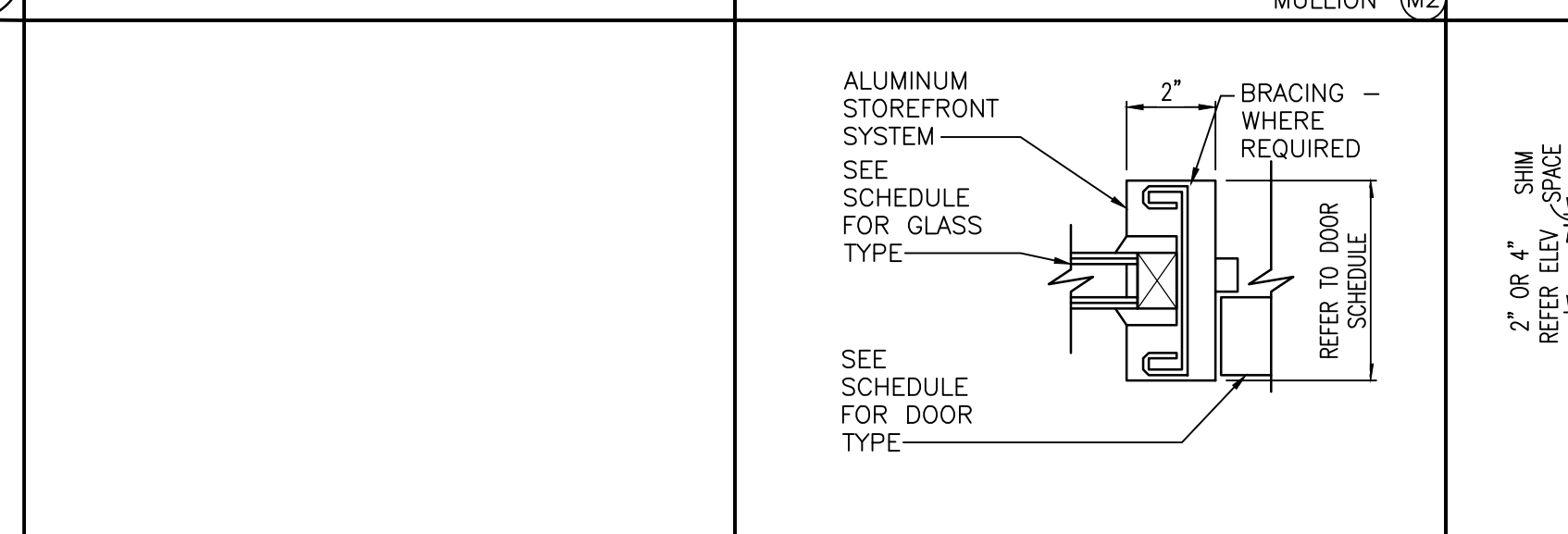
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7

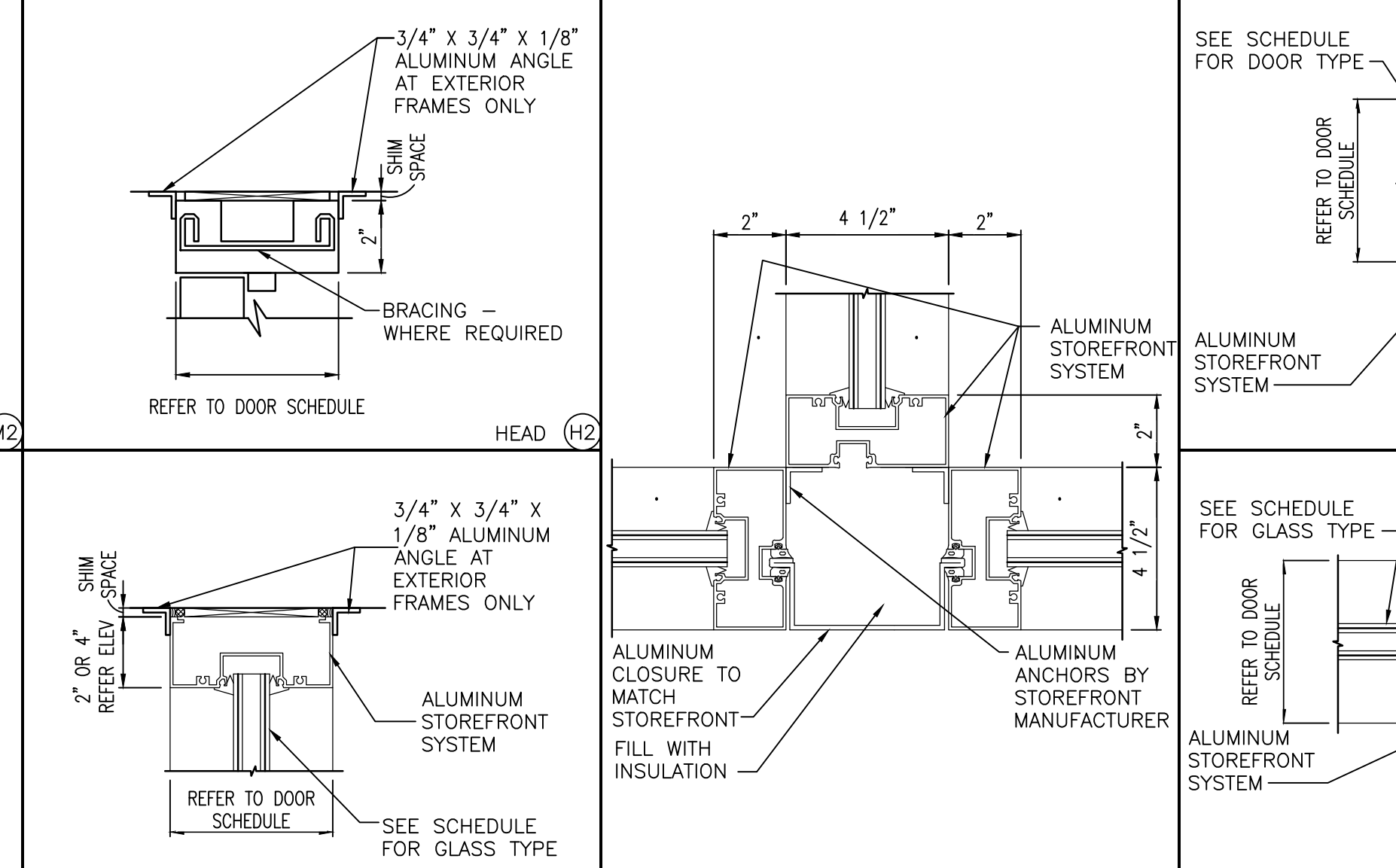
A-620



MULLION (M2)

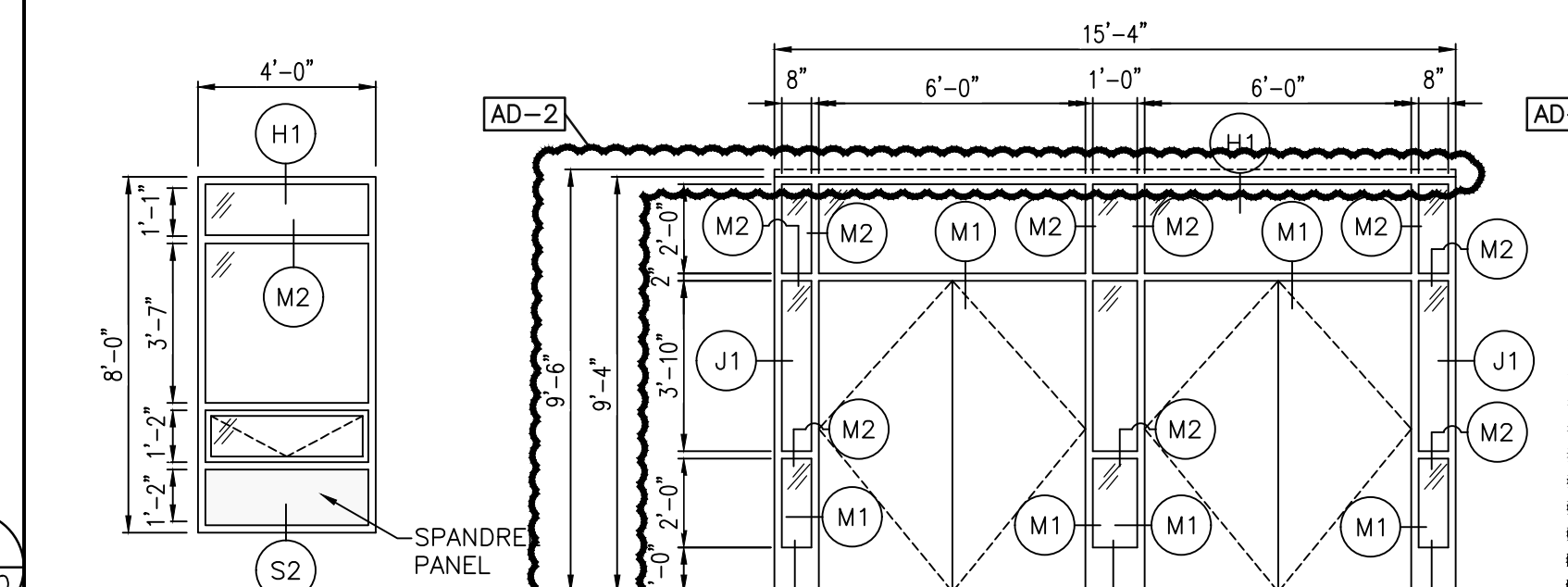


MULLION (M1)



STOREFRONT FRAME PROFILES

SCALE: 3" = 1'-0"

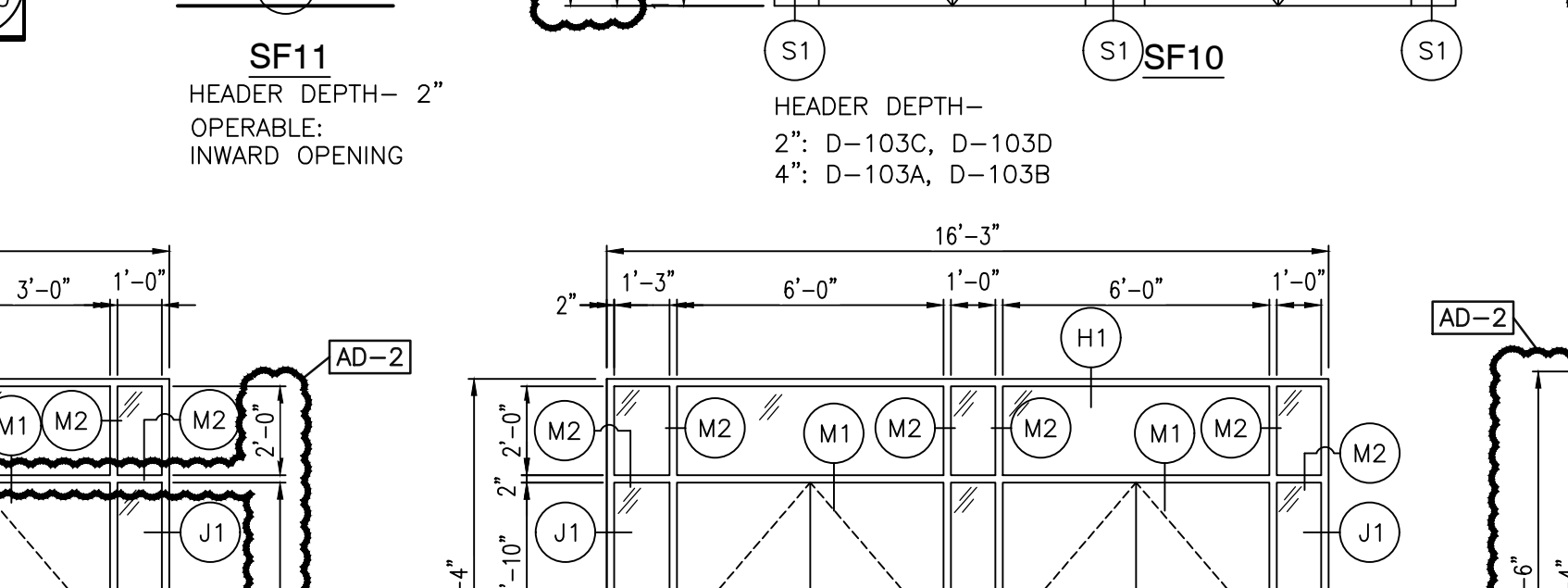


SF11

HEADER DEPTH- 2"

OPERABLE:

INWARD OPENING

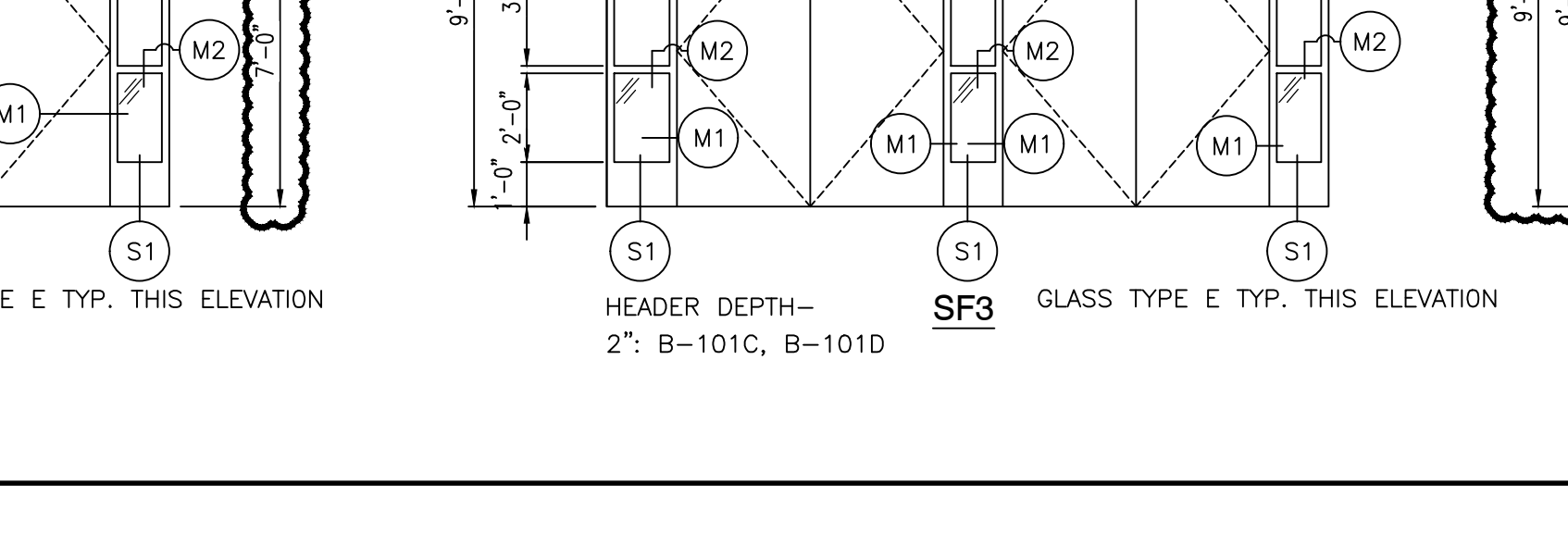


SF10

HEADER DEPTH- 2"

D-103C, D-103D

4": D-103A, D-103B

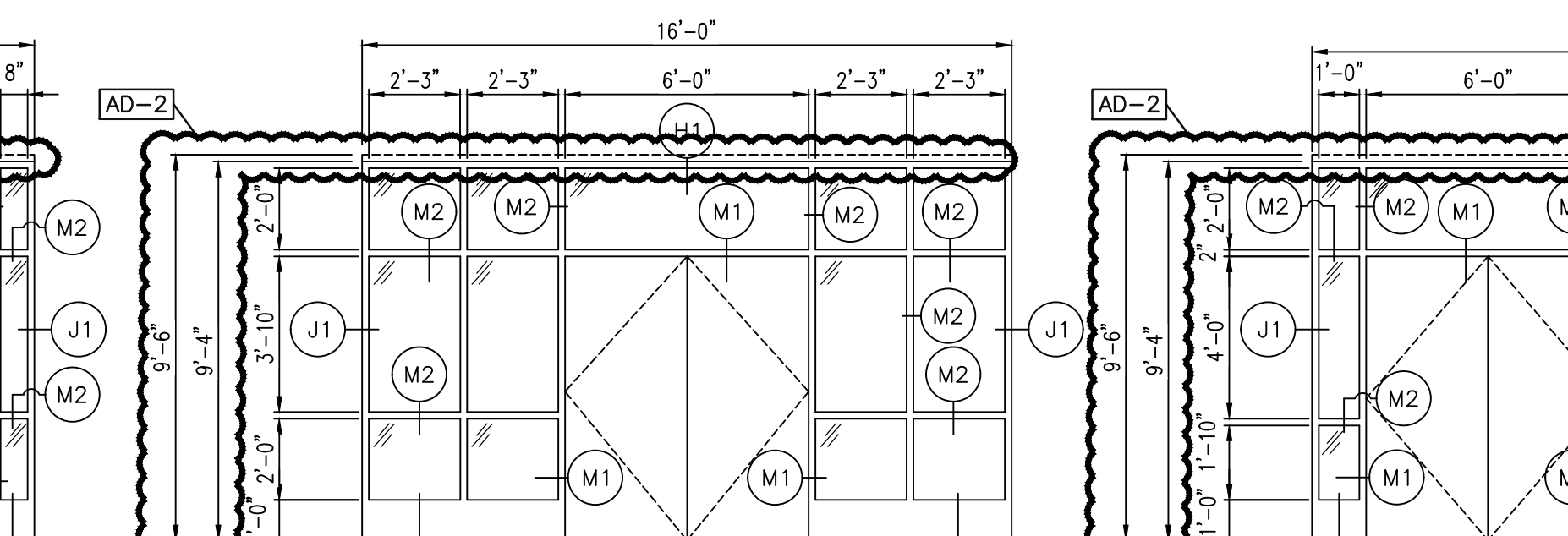


SF9

HEADER DEPTH- 2"

C-130B

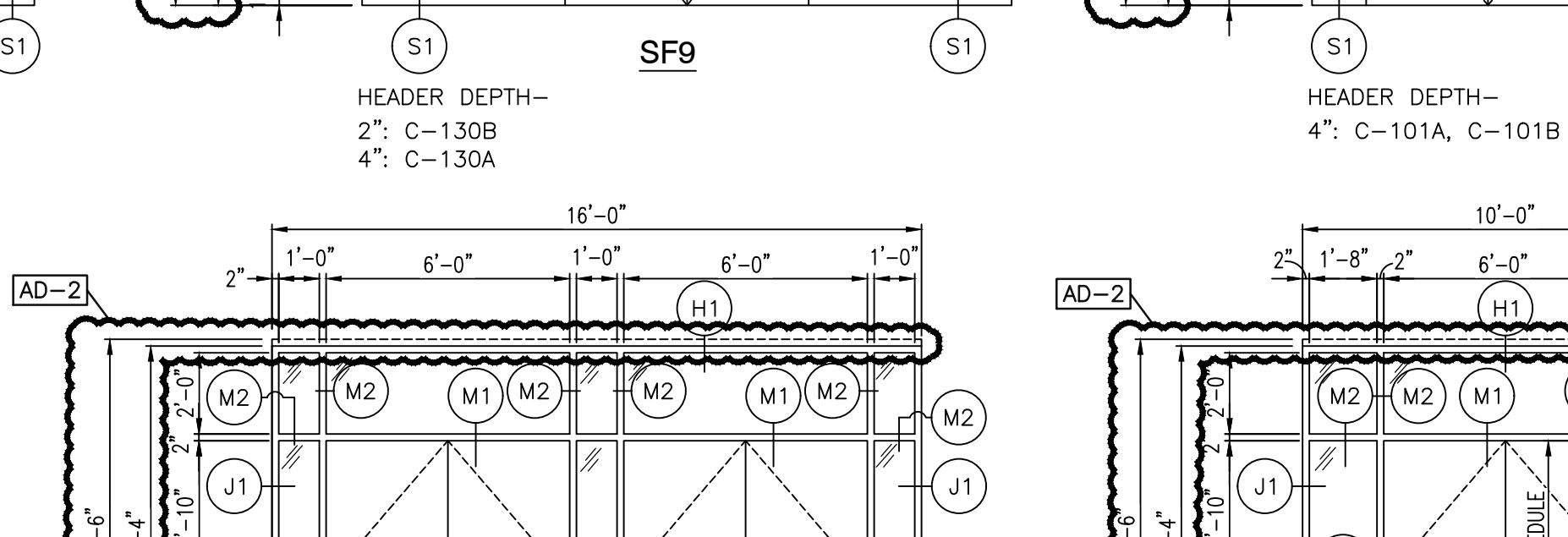
4": C-130A



SF8

HEADER DEPTH- 4"

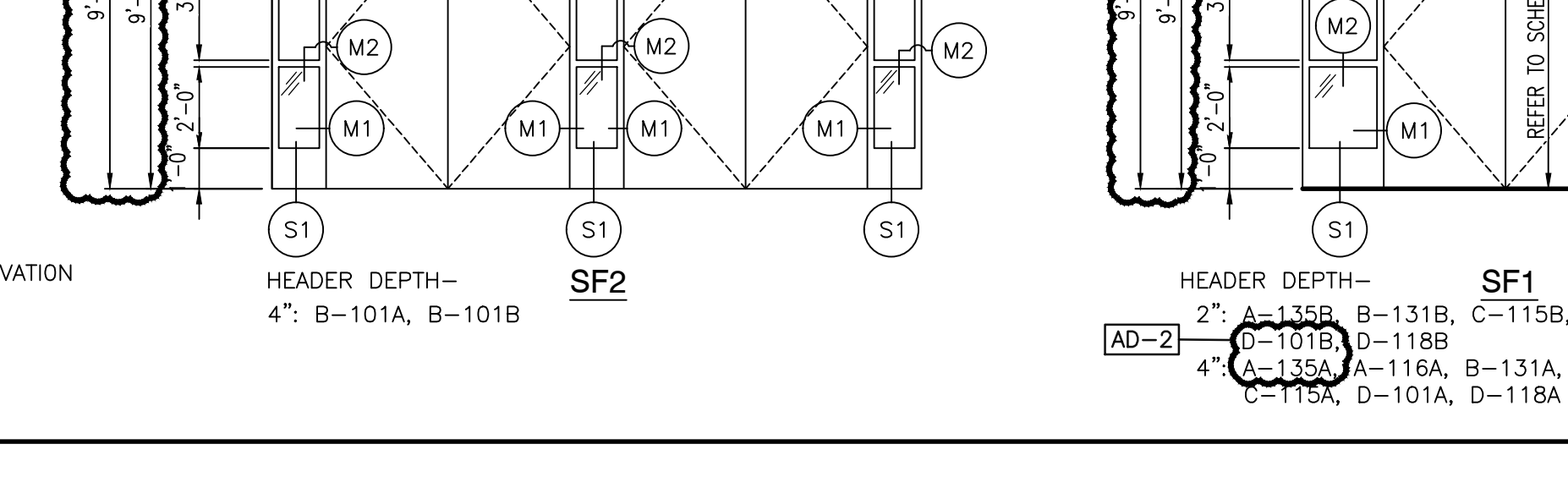
C-101A, C-101B



SF7

HEADER DEPTH- 2"

B-130A, B-129A



SF6

HEADER DEPTH- 2"

B-143C, B-143D, B-133A



SF5

HEADER DEPTH- 2"

B-103A, B-103B

SF4

HEADER DEPTH- 2"

B-101C, B-101D

SF3

HEADER DEPTH- 2"

B-101C, B-101D

SF2

HEADER DEPTH- 4"

B-101A, B-101B

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

SF1

HEADER DEPTH- 2"

A-135B, B-131B, C-115B, D-118B

4": C-135A, A-116A, B-131A, C-115A, D-101A, D-118A

GENERAL FINISH PLAN NOTES:

- A. REFERENCE FINISH LEGEND FOR FINISH INFORMATION.
B. REFERENCE EQUIPMENT PLANS, INTERIOR ELEVATIONS, REFLECTED CEILING PLANS AND WRITTEN SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION.
C. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSTRUED THAT THE INSTALLER AND /OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.
D. PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURE'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.
E. ALL FLOORING IS TO BE LEVELED WITHIN 1/4" IN 10'-0" WITH LATEX MATERIAL. MOISTURE CONTENT IN AREA IS TO BE TESTED PRIOR TO INSTALLATION OF FLOORING MATERIAL. CONTRACTOR TO INSTALL FLOORING PER MANUFACTURER'S RECOMMENDED METHOD.
F. FLOORING CONTRACTOR TO SUBMIT A SEAMING DIAGRAM FOR FLOORING MATERIAL INCLUDING NOTATION OF MATERIAL DIRECTION.
G. ALL FLOORING TRANSITIONS SHALL COMPLY WITH ADA GUIDELINES.
H. ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC. THAT ARE NOTED TO BE PAINTED, SHALL BE PAINTED WITH ALKYD TYPE PAINT. COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.
I. CONTRACTOR TO PROVIDE AND INSTALL FLOORING TRANSITIONS AS INDICATED ON THE FLOOR PATTERN PLANS, WHERE NONE ARE NOTED, CONTRACTOR SHALL VERIFY REQUIRED TYPE/COLOR WITH ARCHITECT.
J. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NEW INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 803.
K. PAINT ALL DOOR FRAMES P6. ALL SIDES UNLESS NOTED OTHERWISE.

FINISH SYMBOL LEGEND:

P1	WALL FINISH
C1	FLOOR FINISH
B1	BASE FINISH
---	MISC FINISH INFORMATION
+	FLOOR TRANSITION STRIP AS REQUIRED
↑	INDICATES DIRECTION OF MATERIAL GRAN

FINISH PLAN NOTES:

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

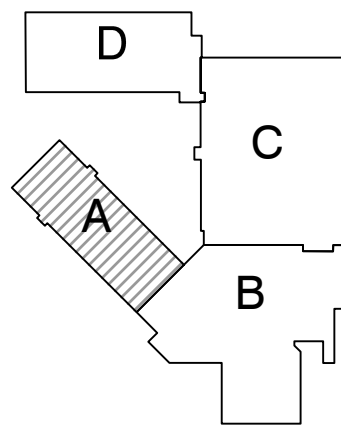
- ① NO NEW FINISHES THIS ROOM, EXCLUDING DOOR FRAMES CONNECTED TO OTHER ROOMS THAT RECEIVE NEW FINISHES.
② PAINT, P5, ALL EXPOSED ROOF DECK, JOIST, MECHANICAL AND ELECTRICAL PIPING CONDUIT AND DUCTWORK
③ SCULPTED WALL PANEL, SP1.
④ WALL TILE PATTERN -- REFER TO INTERIOR ELEVATIONS ON SHEET A--862 AND A--863. ALL OTHER WALLS THIS ROOM WITHOUT NOTE "4" TO BE WT1.
⑤ WALLCOVERING, WC1.
⑥ RESILIENT STAIR NOSING, ST. CARPET TREAD AND RISER.
⑦ SEE TYPICAL SMALL RESTROOM ELEVATION ON SHEET A--863 FOR TILE PATTERN.
⑧ WALL TILE, WT1
⑨ WALL TILE TRIM TO EXTEND 1/8" TOWARDS WALLCOVERING TO PROTECT WALLCOVERING EDGE.



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PROJECT
**DOUGLAS
MACARTHUR
ES ADDITIONS
AND
RENOVATIONS**
CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA



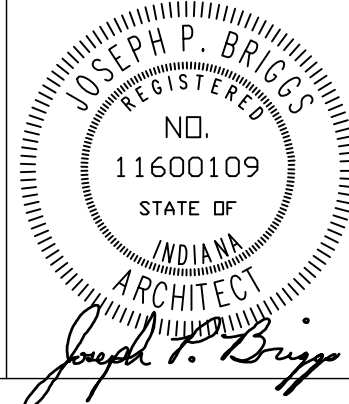
KEY PLAN

GIBALTAR DESIGN

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Indianapolis, IN 46260
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Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT
21-113
DATE
01/31/22
COORDINATED BY
TA

DRAWN BY
EKM MMM
CHECKED BY
NAS



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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/21/2022	ADDENDUM NO. 2

DRAWING
UNIT "A" FIRST FLOOR FINISH PLAN

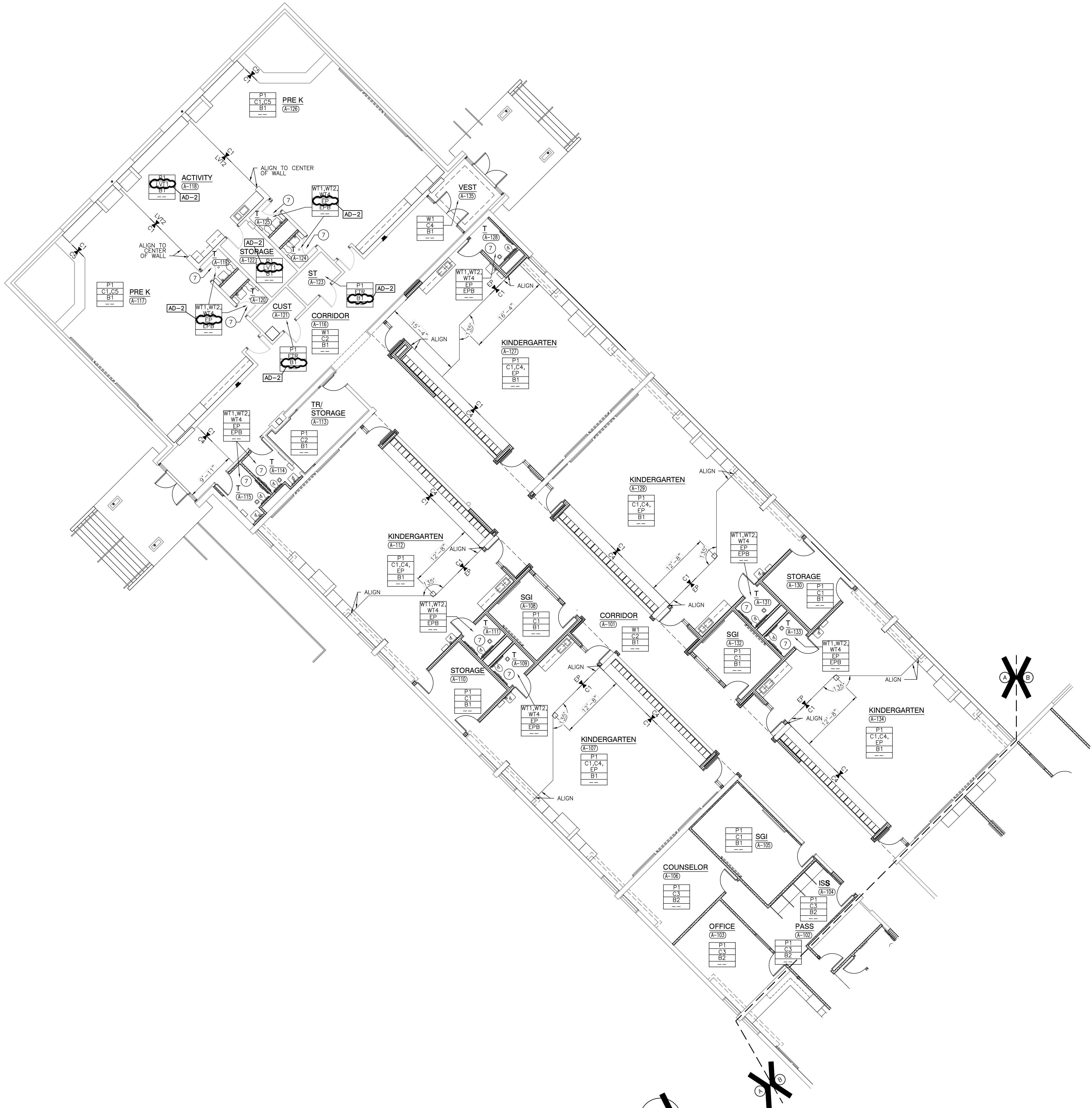
PROJECT
**DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS**

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SHEET

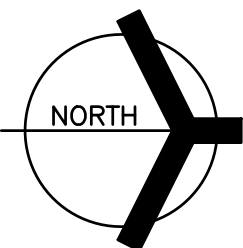
A

A-801



UNIT "A" FIRST FLOOR FINISH PLAN

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



PROJECT

**DOUGLAS
MACARTHUR
ES ADDITIONS
AND
RENOVATIONS**

CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA



GIBRALTAR DESIGN

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Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT
21-113
DATE
01/31/22
COORDINATED BY
TA
DRAWN BY
EKM MMM
CHECKED BY
NAS

JOSEPH P. BRIGGS
REGISTERED
NO.
11600109
STATE OF
INDIANA
ARCHITECT
Joseph P. Briggs

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AD-2	02/21/2022	ADDENDUM NO. 2

DRAWING
UNIT "B" FIRST FLOOR FINISH
PLAN

PROJECT
DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

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B	A-802

GENERAL FINISH PLAN NOTES:

- A. REFERENCE FINISH LEGEND FOR FINISH INFORMATION.
- B. REFERENCE EQUIPMENT PLANS, INTERIOR ELEVATIONS, REFLECTED CEILING PLANS AND WRITTEN SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION.
- C. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES: IF A SUBSTRATE IS DEEMED UNACCEPTABLE THE CONTRACTOR SHALL TAKE THE NECESSARY ACTION TO CORRECT THE DEFECTS AND CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSIDERED THAT THE INSTALLER AND FINISHER HAS ACCEPTED THE CONDITION. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.
- D. PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER THE RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.
- E. ALL FLOORING IS TO BE LEVELLED WITHIN 1/4" IN 10'-0" WITH LATEX MATERIAL. MOISTURE CONTENT IN AREA IS TO BE TESTED PRIOR TO INSTALLATION OF FLOORING MATERIAL. CONTRACTOR TO INSTALL FLOORING MANUFACTURER'S RECOMMENDED INSTALLATION METHOD.
- F. FLOORING CONTRACTOR TO SUBMIT A SEAMING DIAGRAM FOR FLOORING MATERIAL INCLUDING NOTATION OF MATERIAL DIRECTION.
- G. ALL FLOORING TRANSITIONS SHALL COMPLY WITH ADA GUIDELINES.
- H. ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC., THAT ARE NOTED TO BE PAINTED, SHALL BE PAINTED WITH AN ENAMEL PAINT. COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.
- I. CONTRACTOR TO PROVIDE AND INSTALL FLOORING TRANSITIONS AS INDICATED ON THE FLOOR PATTERN PLANS, WHERE NONE ARE NOTED, CONTRACTOR SHALL VERIFY READY TO GO WITH A MATCH WITH ADJACENT AREAS.
- J. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NEW INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM.
- K. PAINT ALL DOOR FRAMES, P.B., ALL SIDES, UNLESS NOTED OTHERWISE.

FINISH SYMBOL LEGEND:

P1	WALL FINISH
C1	FLOOR FINISH
B1	BASE FINISH
--	MISC FINISH INFORMATION

 FLOOR TRANSITION STRIP AS REQUIRED

↑
INDICATES DIRECTION OF MATERIAL GRAIN

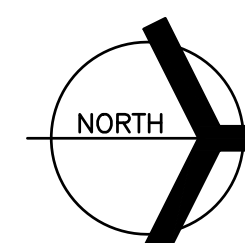
FINISH PLAN NOTES:

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

- 1 NO NEW FINISHES THIS ROOM, EXCLUDING DOOR FRAMES CONNECTED TO OTHER ROOMS THAT RECEIVE NEW FINISHES.
- 2 PAINT, P5, ALL EXPOSED ROOF DECK, JOIST, MECHANICAL AND ELECTRICAL PIPING CONDUIT AND DUCTWORK.
- 3 SCULPTED WALL PANEL, SP1.
- 4 WALL TILE PATTERN - REFER TO INTERIOR ELEVATIONS ON SHEET A-86 AND A-863. ALL OTHER WALLS THIS ROOM WITHOUT NOTE *4 TO BE WITH WALLCOVERING, WC1.
- 5 WALLCOVERING, WC1.
- 6 RESILIENT STAIR NOSING, ST. CARPET TREAD AND RISER.
- 7 SEE TYPICAL SMALL RESTROOM ELEVATION ON SHEET A-863 FOR TILE PATTERN.
- 8 WALL TILE, WT1
- 9 WALL TILE TRIM TO EXTEND 1/8" TOWARDS WALLCOVERING TO PROTECT WALLCOVERING EDGE.

UNIT "B" FIRST FLOOR FINISH PLAN

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



Wednesday, 2/16/2022 - 6:06 PM - LAST SAVED BY:EMCQUEEN
Y:\21-113 CROWN POINT CSC - MACARTHUR ES ADDITION
AND RENOVATIONS\21-113 DRAWINGS\05 ARCH\A-802.DWG

GENERAL FINISH PLAN NOTES:

- A. REFERENCE FINISH LEGEND FOR FINISH INFORMATION.
B. REFERENCE EQUIPMENT PLANS, INTERIOR ELEVATIONS, REFLECTED CEILING PLANS AND WRITTEN SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION.
C. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSTRUED THAT THE INSTALLER AND/OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.
D. PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURE'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.
E. ALL FLOORING IS TO BE LEVELED WITHIN 1/4" IN 10'-0" WITH LATEX MATERIAL. MOISTURE CONTENT IN AREA IS TO BE TESTED PRIOR TO INSTALLATION OF FLOORING MATERIAL. CONTRACTOR TO INSTALL FLOORING PER MANUFACTURER'S RECOMMENDED METHOD.
F. FLOORING CONTRACTOR TO SUBMIT A SEAMING DIAGRAM FOR FLOORING MATERIAL INCLUDING NOTATION OF MATERIAL DIRECTION.
G. ALL FLOORING TRANSITIONS SHALL COMPLY WITH ADA GUIDELINES.
H. ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC. THAT ARE NOTED TO BE PAINTED, SHALL BE PAINTED WITH ALKYD TYPE PAINT. COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.
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J. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NEW INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 803.
K. PAINT ALL DOOR FRAMES P6. ALL SIDES UNLESS NOTED OTHERWISE.

FINISH SYMBOL LEGEND:

P1	WALL FINISH
C1	FLOOR FINISH
B1	BASE FINISH
---	MISC FINISH INFORMATION

INDICATES DIRECTION OF MATERIAL GRAIN

FINISH PLAN NOTES:

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

- 1 NO NEW FINISHES THIS ROOM, EXCLUDING DOOR FRAMES CONNECTED TO OTHER ROOMS THAT RECEIVE NEW FINISHES.
2 PAINT, P5, ALL EXPOSED ROOF DECK, JOIST, MECHANICAL AND ELECTRICAL PIPING CONDUIT AND DUCTWORK
3 SCULPTED WALL PANEL, SP1.
4 WALL TILE PATTERN -- REFER TO INTERIOR ELEVATIONS ON SHEET A--862 AND A--863. ALL OTHER WALLS THIS ROOM WITHOUT NOTE "4" TO BE WT1.
5 WALLCOVERING, WC1.
6 RESILIENT STAIR NOSING, ST. CARPET TREAD AND RISER.
7 SEE TYPICAL SMALL RESTROOM ELEVATION ON SHEET A--863 FOR TILE PATTERN.
8 WALL TILE, WT1
9 WALL TILE TRIM TO EXTEND 1/8" TOWARDS WALLCOVERING TO PROTECT WALLCOVERING EDGE.

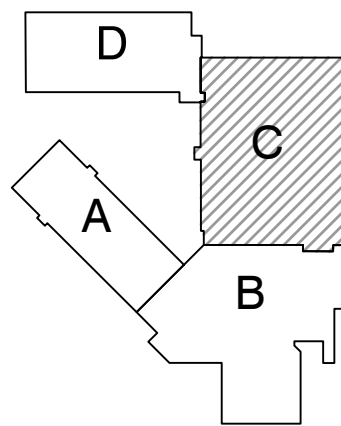


GIBRALTAR
DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

**DOUGLAS
MACARTHUR
ES ADDITIONS
AND
RENOVATIONS**
CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA



KEY PLAN

GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT

21-113

DATE

01/31/22

COORDINATED BY

TA

DRAWN BY

EKM MMM

CHECKED BY

NAS

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/21/2022	ADDENDUM NO. 2

DRAWING

UNIT "C" FIRST FLOOR FINISH PLAN

PROJECT

**DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS**

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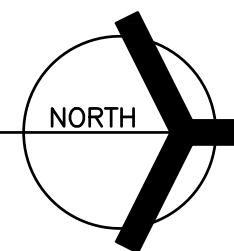
SHEET

C

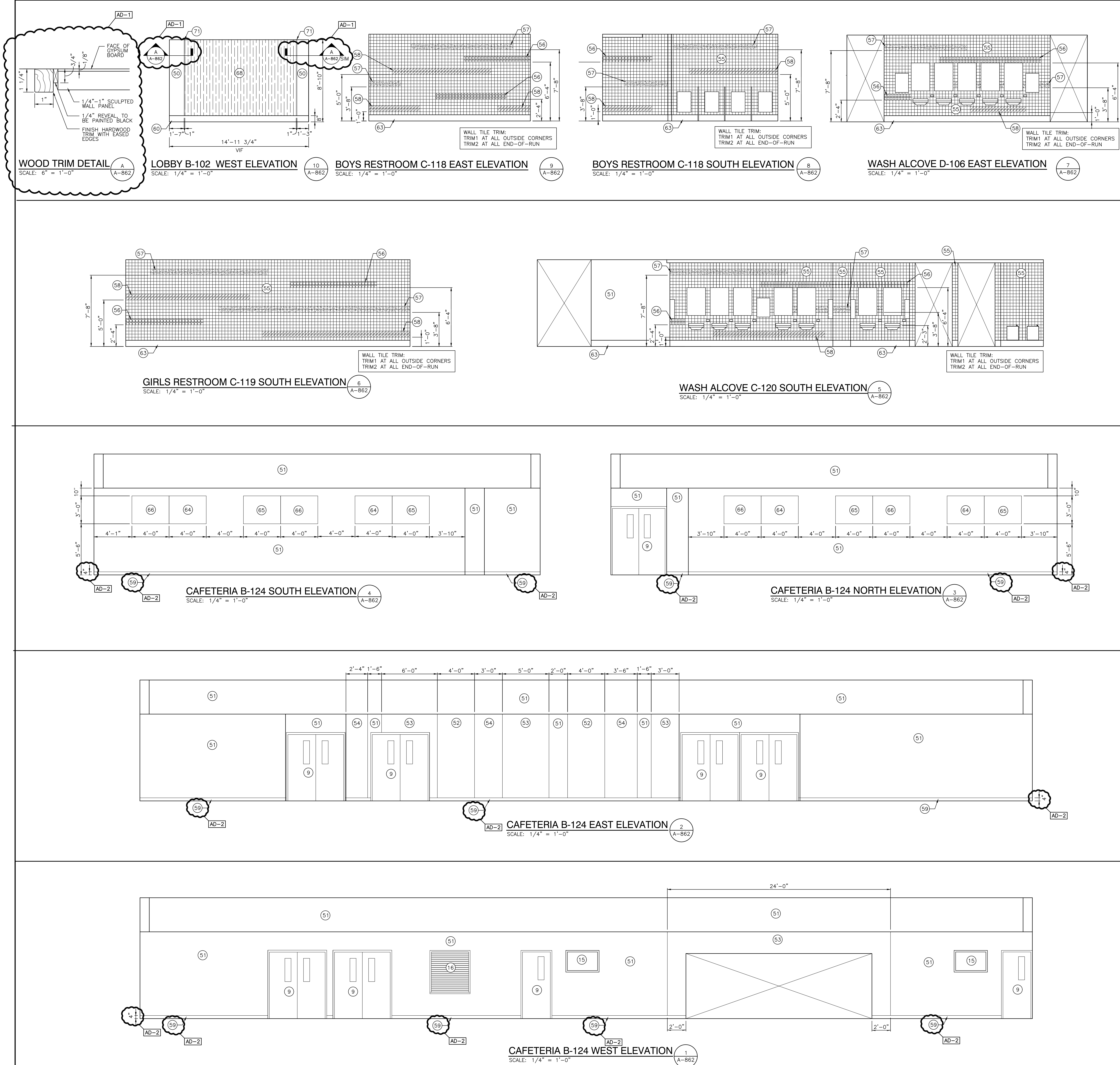
A-803

UNIT "C" FIRST FLOOR FINISH PLAN

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



Thursday, 2/17/2022 - 10:40 AM - LAST SAVED BY: EMOORE, J.
Y:\21-113 CROWN POINT CSC - MACARTHUR ES ADDITION
AND RENOVATIONS\21-113 DRAWINGS\05 ARCH\A-862.DWG



GENERAL INTERIOR ELEVATION NOTES:

- REFERENCE FINISH LEGEND FOR FINISH INFORMATION.
- REFERENCE EQUIPMENT PLANS AND WRITTEN SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION.
- PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSTRUED THAT THE INSTALLER AND/OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.
- PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURE'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.
- ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC., THAT ARE NOTED TO BE PAINTED, SHALL BE PAINTED WITH ALKYL TYPE PAINT, COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NEW INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 803.

INTERIOR ELEVATION NOTES:

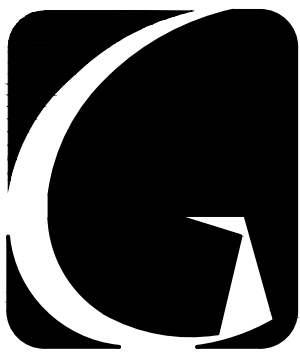
(ALL ELEVATION NOTES MAY NOT BE INDICATED ON THIS PLAN)

- FIRE EXTINGUISHER CABINET, REFER TO EQUIPMENT PLANS.
- EXIT SIGN, REFER TO ELECTRICAL DRAWINGS.
- PROJECTION SCREEN, REFER TO EQUIPMENT PLANS.
- BLEACHERS, REFER TO EQUIPMENT PLANS.
- LOCKERS, REFER TO EQUIPMENT PLANS.
- BASKETBALL BACKSTOP, REFER TO EQUIPMENT PLANS.
- SAFETY CUSHION WAINSCOT, REFER TO EQUIPMENT PLAN.
- SCOREBOARD, REFER TO EQUIPMENT PLANS.
- DOOR
- TRANSLUCENT WALL PANELS.
- EXPOSED STRUCTURE AND ROOF DECK, PAINT, P5.
- NOT USED
- FINISHED WOOD TRIM.
- MECHANICAL GRILL COVER.
- WALL MOUNTED TV MONITOR, REFER TO EQUIPMENT PLANS.
- ROLLING SERVICE DOOR.

INTERIOR ELEVATION FINISH NOTES:

(ALL ELEVATION NOTES MAY NOT BE INDICATED ON THIS PLAN)

- WALLCOATING, W1
- PAINT, P1
- PAINT, P2
- PAINT, P3
- PAINT, P4
- WALL TILE, WT1
- WALL TILE, WT2
- WALL TILE, WT3
- WALL TILE, WT4
- WALL BASE, B2
- WALL BASE, B1
- TERRAZZO WALL BASE, TZB
- QUARRY TILE WALL BASE, QB
- EPOXY BASE, EPB
- ACOUSTICAL WALL PANEL SP-AWP1
- ACOUSTICAL WALL PANEL SP-AWP2
- ACOUSTICAL WALL PANEL SP-AWP3
- WALLCOATING, W2
- SCULPTED WALL PANEL SP1, INSTALL AS VERTICAL LINEAR PATTERN.
- 1" REVEAL MOLD
- "V" JOINT
- 1"x1" HARDWOOD TRIM, STAINED TO MATCH DOOR.
- FINISHED WOOD VENEER WITH WOOD REVEALS.
- ACOUSTICAL WALL PANEL AR-AWP1
- ACOUSTICAL WALL PANEL AR-AWP2
- ACOUSTICAL WALL PANEL AR-AWP3
- WALL BASE, B3
- WOOD TRANSOM, STAINED TO MATCH DOORS.



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**DOUGLAS
MACARTHUR
ES ADDITIONS
AND
RENOVATIONS**
CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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PROJECT

21-113

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01/31/22

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AD-1	02/18/2022	ADDENDUM NO. 1
AD-2	02/21/2022	ADDENDUM NO. 2

DRAWING

INTERIOR ELEVATIONS

PROJECT

**DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS**

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SHEET

A-862

GENERAL INTERIOR ELEVATION NOTES:

- A. REFERENCE FINISH LEGEND FOR FINISH INFORMATION.
B. REFERENCE EQUIPMENT PLANS AND WRITTEN SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION.
C. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSTRUED THAT THE INSTALLER AND /OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.
D. PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURE'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.
E. ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC. THAT ARE NOTED TO BE PAINTED, SHALL BE PAINTED WITH ALKYD TYPE PAINT, COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.
F. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NEW INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 803.

INTERIOR ELEVATION NOTES:

(ALL ELEVATION NOTES MAY NOT BE INDICATED ON THIS PLAN)

- 1 FIRE EXTINGUISHER CABINET, REFER TO EQUIPMENT PLANS.
2 EXIT SIGN, REFER TO ELECTRICAL DRAWINGS.
3 PROJECTION SCREEN, REFER TO EQUIPMENT PLANS.
4 BLEACHERS, REFER TO EQUIPMENT PLANS.
5 LOCKERS, REFER TO EQUIPMENT PLANS.
6 BASKETBALL BACKSTOP, REFER TO EQUIPMENT PLANS.
7 SAFETY CUSHION WAINSCOT, REFER TO EQUIPMENT PLAN.
8 SCOREBOARD, REFER TO EQUIPMENT PLANS.
9 DOOR
10 TRANSLUCENT WALL PANELS.
11 EXPOSED STRUCTURE AND ROOF DECK, PAINT, P5.
12 NOT USED
13 FINISHED WOOD TRIM. 4
14 MECHANICAL GRILL COVER.
15 WALL MOUNTED TV MONITOR, REFER TO EQUIPMENT PLANS.
16 ROLLING SERVICE DOOR.

INTERIOR ELEVATION FINISH NOTES:

(ALL ELEVATION NOTES MAY NOT BE INDICATED ON THIS PLAN)

- 50 WALLCOATING, W1
51 PAINT, P1
52 PAINT, P2
53 PAINT, P3
54 PAINT, P4
55 WALL TILE, WT1
56 WALL TILE, WT2
57 WALL TILE, WT3
58 WALL TILE, WT4
59 WALL BASE, B2
60 WALL BASE, B1
61 TERRAZZO WALL BASE, TZB
62 QUARRY TILE WALL BASE, QB
63 EPOXY BASE, EPB
64 ACOUSTICAL WALL PANEL SP-AWP1
65 ACOUSTICAL WALL PANEL SP-AWP2
66 ACOUSTICAL WALL PANEL SP-AWP3
67 WALLCOATING, W2
68 SCULPTED WALL PANEL SP1, INSTALL AS VERTICAL LINEAR PATTERN.
69 1" REVEAL MOLD
70 "V" JOINT
71 1"x1" HARDWOOD TRIM, STAINED TO MATCH DOOR.
72 FINISHED WOOD VENEER WITH WOOD REVEALS.
73 ACOUSTICAL WALL PANEL AR-AWP1
74 ACOUSTICAL WALL PANEL AR-AWP2
75 ACOUSTICAL WALL PANEL AR-AWP3
76 WALL BASE, B3
77 WOOD TRANSOM, STAINED TO MATCH DOORS.



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AND
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PROJECT

21-113

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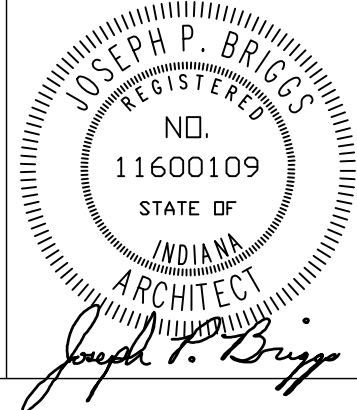
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AD-2	02/21/2022	ADDENDUM NO. 2

DRAWING

INTERIOR ELEVATIONS

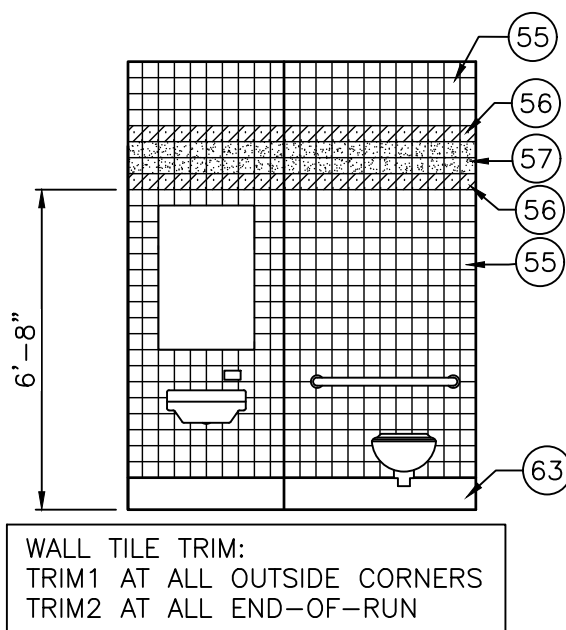
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DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

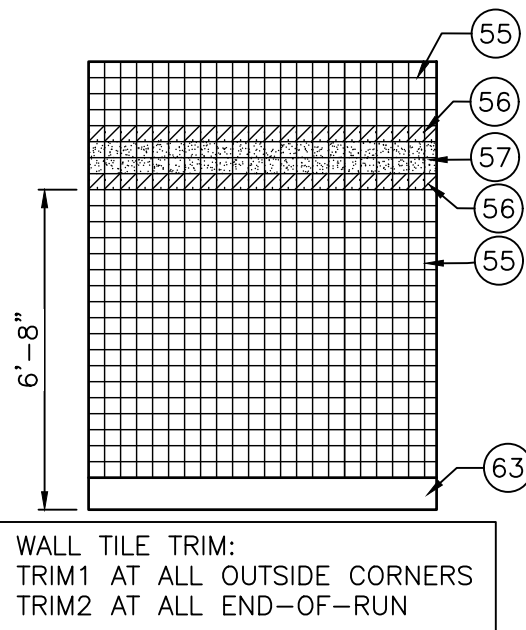
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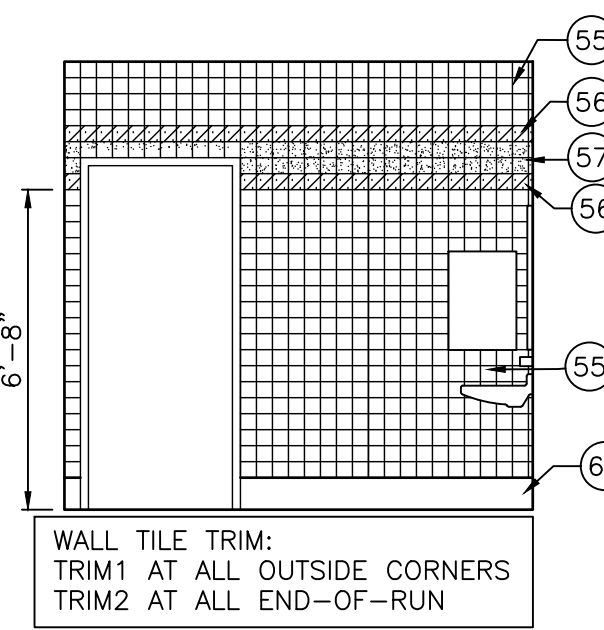
A-863



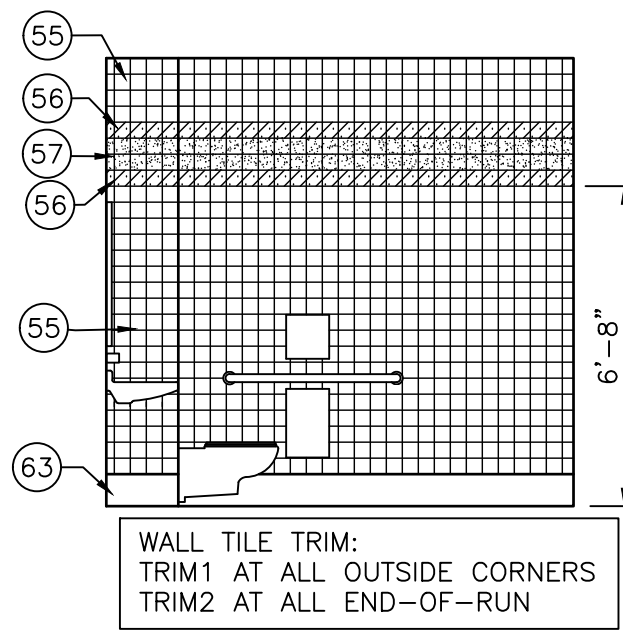
TYPICAL SMALL RESTROOM SOUTH ELEVATION 4
SCALE: 1/4" = 1'-0" (C-123) A-863



TYPICAL SMALL RESTROOM NORTH ELEVATION 3
SCALE: 1/4" = 1'-0" (C-123) A-863



TYPICAL SMALL RESTROOM EAST ELEVATION 2
SCALE: 1/4" = 1'-0" (C-123) A-863



TYPICAL SMALL RESTROOM WEST ELEVATION 1
SCALE: 1/4" = 1'-0" (C-123) A-863



- REFLECTED CEILING PLAN LEGEND:

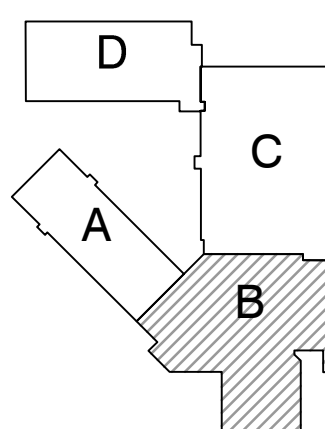
- REFLECTED CEILING PLAN NOTES:

- 

PROJECT

**DOUGLAS
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AND
RENOVATIONS**

CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA



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PROJECT 21-113 DATE 01/31/22 COORDINATED BY DTB DRAWN BY DTB MMM CHECKED BY TA JPB	
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DRAWING

UNIT "B" FIRST FLOOR
REFLECTED CEILING PLAN

PROJECT
DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

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B	A-902

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

Thursday, 2/17/2022 - 1:56 PM - LAST SAVED BY:DBURNS
Y:\21-113 CROWN POINT CSC - MACARTHUR ES ADDITION
AND RENOVATIONS\21-113 DRAWINGS\05 ARCH\A-902.DWG

GENERAL REFLECTED CEILING PLAN NOTES:

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G1 SERIES SHEETS.
- B. THE ARCHITECTURAL REFLECTED CEILING PLAN GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.
- C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.
- D. REFER TO FLOOR PLANS FOR WALL TYPES.
- E. REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER HEAD TYPES AND QUANTITIES.
- F. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPE AND QUANTITIES.
- G. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.
- H. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.
- I. PROVIDE RADIUS PERIMETER ANGLE TRIM CORNERS AT BULLNOSE CONCRETE MASONRY UNIT CORNERS.
- J. PAINT BULKHEADS P2, UNLESS NOTED OTHERWISE.

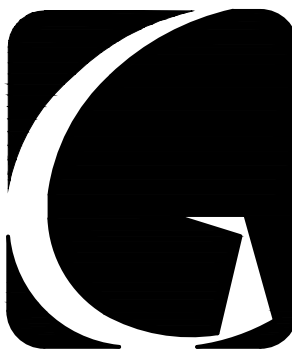
REFLECTED CEILING PLAN LEGEND:

- GYPSUM BOARD BULKHEAD/CEILING
- EIFS SOFFIT
- 2'-0" x 2'-0" ACT. BD. CEILING
SEE FINISH LEGEND
- LED LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- SPEAKER
- OCCUPANCY SENSOR

REFLECTED CEILING PLAN NOTES:

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

- 1 GYPSUM BOARD BULKHEAD.
- 2 2" W. SOFFIT VENT. LENGTH AS INDICATED.
- 3 SOFFIT "V" JOINT.
- 4 OPEN TO STRUCTURE ABOVE - NO CEILING REQUIRED.
- 5 PROJECTION SCREEN, REFER TO EQUIPMENT AND TECHNOLOGY DRAWINGS.
- 6 GYM EQUIPMENT, REFER TO EQUIPMENT DRAWINGS.
- 7 4"x4" STAINLESS STEEL CLOSURE TRIM BETWEEN FACE OF COOLER AND CEILING GRID.
- 8 BASE BID, NEW SOFFIT.
- 9 PAINT BULKHEAD P5.

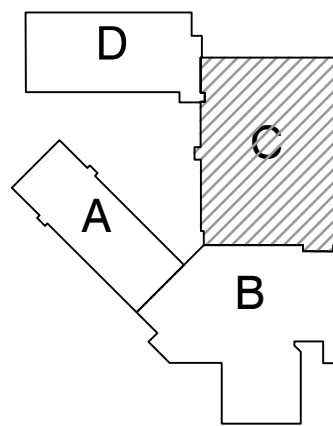


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**DOUGLAS
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ES ADDITIONS
AND
RENOVATIONS**
CROWN POINT COMMUNITY
SCHOOL CORPORATION
CEDAR LAKE, INDIANA



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01/31/22

COORDINATED BY

DTB

DRAWN BY

DTB MMM

CHECKED BY

TA JPB

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DRAWING

UNIT "C" FIRST FLOOR
REFLECTED CEILING PLAN

PROJECT

DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

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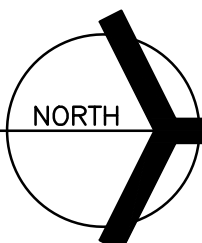
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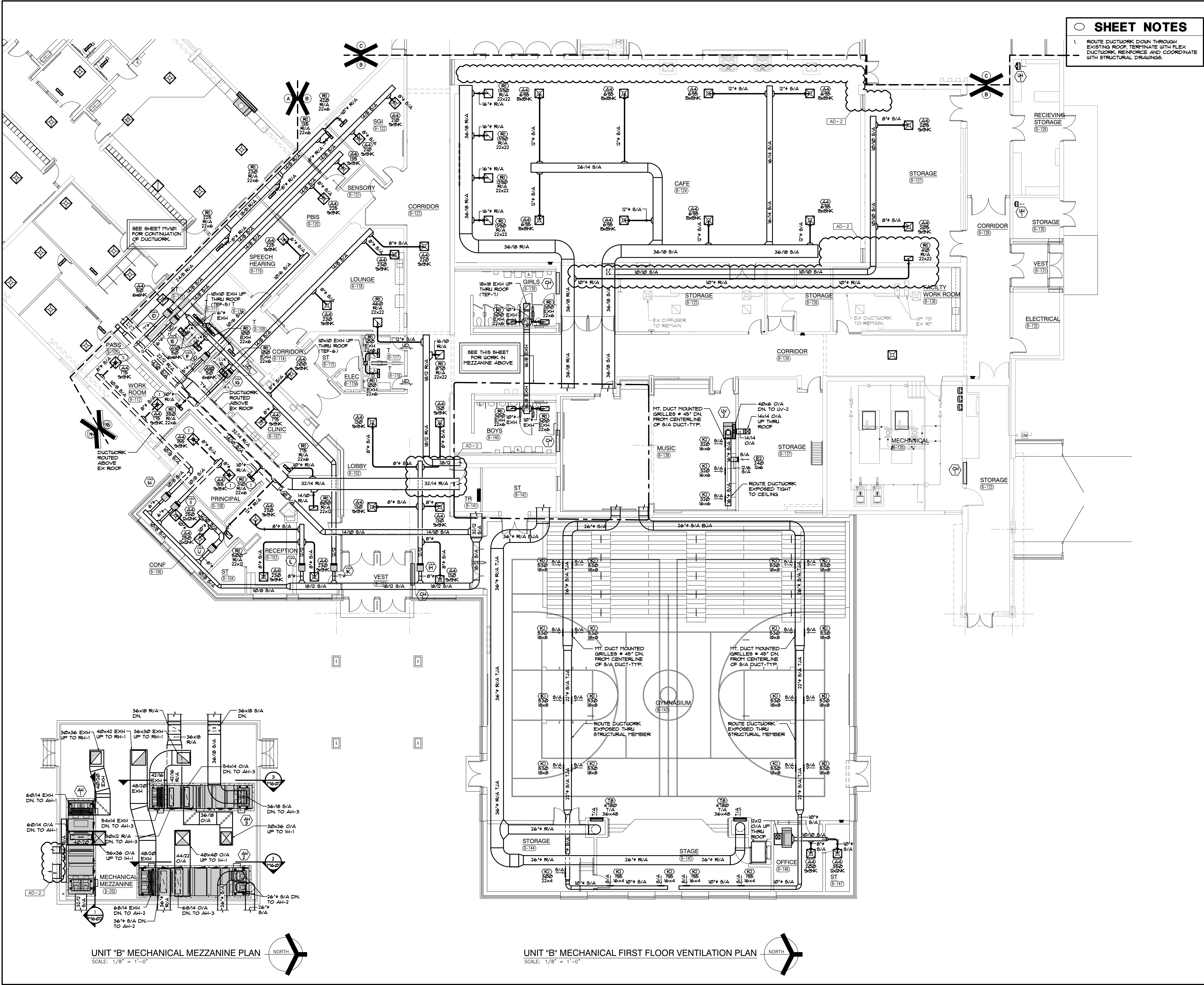
C

A-903

UNIT "C" FIRST FLOOR REFLECTED CEILING PLAN

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





SHEET NOTES

1. ROUTE DUCTWORK DOWN THROUGH EXISTING ROOF. TERMINATE WITH FLEX DUCTWORK. REINFORCE AND COORDINATE WITH STRUCTURAL DRAWINGS.



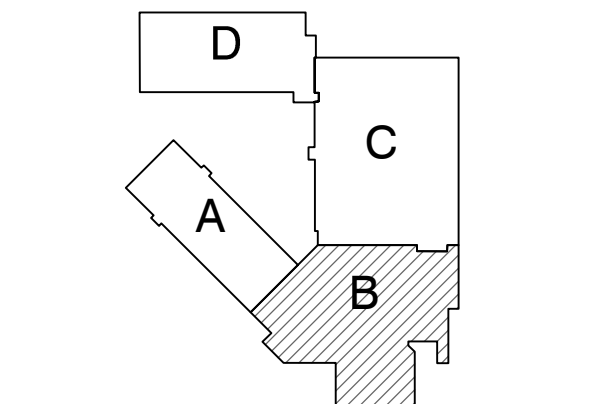
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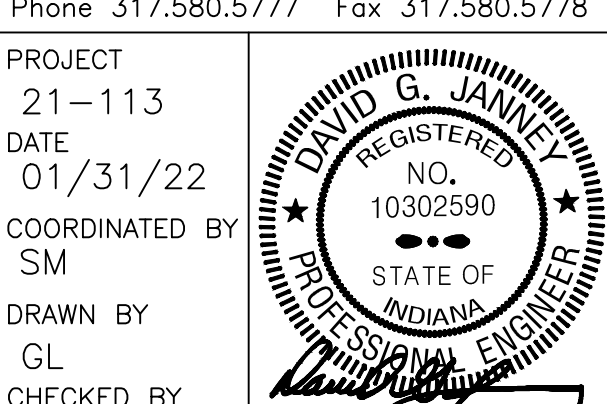
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SCHOOL CORPORATION
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SM
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MARK	DATE	ISSUED FOR
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DRAWING
**UNIT "B" MECHANICAL
FIRST FLOOR
VENTILATION PLAN**

PROJECT
DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

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B MV102

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The diagram illustrates a complex electrical power distribution system. It features a main busbar labeled "EX. MSB" and "120/208V, 3Φ, 4W". Various existing (EX.) and new (NEW) panels, including meter cabinets (M), switchboards (MSB), and distribution panels (MDP), are shown. The system includes a 20 HP fire pump (FP-1) and a 30KVA UPS. Grounding is indicated by "4 # 4 1/2 GND" and "1-1/2\"/>

SHEET NOTES

- EXISTING PANEL TO BE REMOVED, REPLACED, AND RELOCATED. DISCONNECT EXISTING TO RETAIN FEEDER AND BRANCH CIRCUITRY FOR RECONNECTION TO NEW LOCATION OF NEW PANEL, INSTALL AND RECONNECT, COMPLETE AS REQUIRED. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
- EXISTING FEEDER TO BE REMOVED AND RELOCATED. DISCONNECT EXISTING TO RETAIN FEEDER AND BRANCH CIRCUITRY FOR RECONNECTION TO NEW LOCATION OF EXISTING PANEL. INSTALL AND RECONNECT, COMPLETE AS REQUIRED. REFER TO PANEL SCHEDULE FOR CIRCUITING INFORMATION. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
- PROVIDE SPICE BOX AS REQUIRED TO EXTEND ALL EXISTING LOAD FEEDERS AND CIRCUITRY TO NEW PANEL LOCATION, COMPLETE AS REQUIRED. SPICE BOX SHALL BE LOCATED ABOVE ACCESSIBLE CEILING SPACE WHERE CEILING EXIST.
- RECONNECT EXISTING PANEL FEEDER TO NEW MSB-2, COMPLETE AS REQUIRED.
- PROVIDE NEW FUSED SWITCH IN AVAILABLE SPACE IN EXISTING SWITCHBOARD. FUSED SWITCH SHALL MATCH THE MAKE AND MANUFACTURER OF EXISTING SWITCHBOARD.

PHASE CONDUCTOR(S), SWITCH LEG OR GO-BETWEEN

NEUTRAL CONDUCTOR(S)

GROUND CONDUCTOR(S)

ALL CONDUCTORS #2 AWG UNLESS OTHERWISE NOTED

PANEL DESIGNATION

CIRCUIT NO. DESIGNATION

PP-1

3.5

NOTES:

1. ALL WIRING SHALL BE #2 AWG, UNLESS OTHERWISE NOTED.
2. MINIMUM CONDUIT SIZE SHALL BE 3/4" EXCEPT FOR THREE (3) WIRES OR LESS, OR CONTROL WIRING WITHIN BUILDINGS, WHICH MAY BE 1/2" CONDUIT.
3. 1/2" FLEXSTEEL, GREENFIELD OR SEALITE SHALL BE THE MINIMUM SIZE INSTALLED.

NOTE:			
ABBREVIATIONS USED ON DRAWINGS IN GENERAL ARE LISTED			
BELOW. REFER TO CSI SECTION 01420 FOR ANY ABBREVIATIONS			
LISTED ON THE DRAWINGS BUT ARE NOT LISTED BELOW.			
A	AMPS	KVA	KILOVOLT AMPERE
AC	AIR CONDITIONING	KW	KILOWATT
AFB	ABOVE FINISHED FLOOR	MECH	MECHANICAL
AFS	ABOVE FINISHED GRADE	MTD	MOUNTED
BRKR	BREAKER	NE	NEW LOCATION OF EXISTING RELOCATED DEVICE
C	CONDUIT	NG	NOT IN CONTRACT
CH	CABINET HEATER	NL	NIGHTLIGHT
CH	CIRCUIT	NTS	NOT TO SCALE
DISTR	DISTRIBUTION	O/C	ON CENTER
EF	EXHAUST FAN	P	POLE
ELEC	ELECTRICAL	PNL	PANEL
EM	EMERGENCY	PH	PHASE
EHT	ELECTRICAL METALLIC TUBING	RR	REMOVE AND RELOCATE EXISTING DEVICE
ER	EXISTING DEVICE TO BE REMOVED	SU	SUIT
EX	EXISTING DEVICE TO REMAIN	TYP	TYPICAL
F	FUSE	UON	UNLESS OTHERWISE NOTED
FS	FUSIBLE SWITCH	V	VOLTS
G	GROUND	VIF	VERIFY IN FIELD
GBI	GROUND FAULT INTERRUPTING PROTECTION	W	WATTS
GRC	GALVANIZED RIGID CONDUIT	WF	WEATHERPROOF TYPE DEVICE
H	HORSEPOWER	WIR	WIRE
JF	JUNCTION BOX	UG	UNDERGROUND
		UI	FURNISH AND INSTALL

Diagram illustrating a telecommunications grounding system:

- TELECOMMUNICATIONS CABINETS:** Two cabinets, IDF-A and IDF-B, are shown. They are connected to a common ground bus via 3/0 CU conductors.
- GROUNDING BUS:** A 3/0 CU ground bus is connected to the telecommunications ground bus via 3/0 CU conductors.
- STRUCTURAL STEEL:** The ground bus is connected to the structural steel of the building via 3/0 CU conductors.
- SURGE ARRESTOR:** A surge arrestor is connected to the ground bus via 3/0 CU conductors.
- WATER SYSTEM:** The ground bus is connected to the cold water pipe via 3/0 CU conductors.
- RE-STEEL IN CONCRETE FOUNDATION:** The ground bus is connected to re-steel in the concrete foundation via 3/0 CU conductors.
- EQUIPMENT GROUND BUS / NEUTRAL BUS:** The ground bus is connected to the equipment ground bus and neutral bus at the main switch-board (MSUB) via 3/0 CU conductors.
- SYSTEM BONDING JUMPER:** A system bonding jumper is connected to the ground bus via 3/0 CU conductors.
- GROUND RODS:** Three 3/4" x 10' long ground rods are connected to the ground bus via 3/0 CU conductors.
- WATER METER:** A water meter is connected to the cold water pipe via 3/0 CU conductors.
- SHUNT:** A 3/0 CU shunt is connected to the cold water pipe via 3/0 CU conductors.

48' REQUIRED BY MANUFACTURER

4' CONCRETE PAD

4'

FINISHED FLOOR

CHANNEL FURNISHED BY PANEL MANUFACTURERS. SET ANCHOR BOLTS, INSTALL AND LEVEL CHANNELS AS REQUIRED

Diagram illustrating the installation of a beam clamp on a joist. The components shown include:

- BEAM CLAMP ON TOP CHORD OF JOIST
- THREADED ROD
- DOUBLE NUT TOP AND BOTTOM
- UNISTRUT CHANNEL TO SUPPORT 400% OF CONDUIT WEIGHT



1. INTERIOR FIXTURES, EXTERIOR FIXTURES AND POLE FINISHES AND COLORS TO BE SELECTED BY ARCHITECT. THE ARCHITECT MAY, AT HIS DISCRETION, CHOOSE A CUSTOM COLOR AT NO ADDITIONAL CHARGE.
2. PENDANT FIXTURES SPECIFIED ON THIS PROJECT SHALL BE CAREFULLY COORDINATED WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER AS EACH PENDANT FIXTURE IS A MANUFACTURED FIXTURE. PROVIDE PENDANT EMERGENCY SECTIONS AND EMERGENCY CIRCUITS AS SHOWN. COORDINATE WITH FIXTURE MANUFACTURER AND PROVIDE ADDITIONAL ACCESSORIES FOR A COMPLETE AND PROPER INSTALLATION. PROVIDE PROPER FIXTURE LENGTH, FEEDS, SINGLE AND DUAL CIRCUITING AND WIRE LENGTHS. PROVIDE SHOWN ON ORDER FABRICATION DRAWINGS FOR REVIEW AS PART OF THE SHOP DRAWING SUBMITTAL PROCESS.
3. LED FIXTURES (LESS THAN 10000 LUMENS) SHALL BE PROVIDED WITH FACTORY INSTALLED INTEGRAL EMERGENCY BATTERY UNITS. BATTERY UNITS SHALL PROVIDE A MINIMUM OF 1400 LUMENS.
4. FIXTURES THAT CANNOT BE PROVIDED WITH EMERGENCY BALLASTS OR FIXTURES WITH GREATER THAN 10000 LUMENS SHALL BE PROVIDED WITH EMERGENCY INVERTER (TYPES K.V. SERIES OR APPROVED EQUAL) WITH SUITABLE CAPACITY TO POWER TOUGHENED A MINIMUM OF 1000 WATT. PROVIDE EMERGENCY SIZING AND REQUIREMENTS WITH CONTRACT DOCUMENTS PRIOR TO ORDERING.

5. SHADED FIXTURES SHALL HAVE AN EMERGENCY SOURCE OF POWER AS SPECIFIED.

6. EXTERIOR LIGHTING POLES SHALL BE PROVIDED WITH STRAIGHT SQUARE ALUMINUM POLES WITH CAST BASE COVERS AND VIBRATION DAMPENERS. THE POLES SHALL BE SIZED PROPERLY TO SUPPORT FIXTURE WEIGHT AT 100 MPH WIND WITH A 13 GUST FACTOR. MINIMUM pole size to be 8" diameter. ALL ADDITIONAL WELDING ACCESSORIES AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.

- | EXTERIOR LIGHTING LUMINAIRE SCHEDULE | | | | | | | |
|--------------------------------------|---|--|---|---------------------|--|------------------------------------|---|
| TAG | SYMBOL | DESCRIPTION | MANUFACTURER SERIES
OR CATALOG NUMBER | VOLTAGE/
BALLAST | LAMPS/CROSS
SECTION | MOUNTING | REMARKS |
| EA |  | EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, SQUARE ALUMINUM POLE | LITHONIA
D8X1 LED-P1-50K-T15-208-8FA-XX
HUBBELL 75AR SERIES
OR APPROVED EQUAL | 208 VOLT | LED
5000K
MIN 1000LM
MAX 54W | POLE MTD
25'-0" AFG | |
| EAI |  | EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, SQUARE ALUMINUM POLE | LITHONIA
D8X1 LED-P1-50K-T4M-208-8FA-XX
HUBBELL 75AR SERIES
OR APPROVED EQUAL | 208 VOLT | LED
5000K
MIN 1000LM
MAX 54W | POLE MTD
25'-0" AFG | |
| EB |  | EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, SQUARE ALUMINUM POLE | LITHONIA
D8X1 LED-P4-50K-T4M-208-8FA-XX
HUBBELL 75AR SERIES
OR APPROVED EQUAL | 208 VOLT | LED
5000K
MIN 1000LM
MAX 125W | POLE MTD
25'-0" AFG | |
| EC | | NOT USED | | | | | |
| ED |  | EXTERIOR LED WALL MOUNTED LIGHT FIXTURE | LITHONIA
W8T-P3-40K-VF-120-XX OR APPROVED EQUAL
HUBBELL 75AR SERIES
MCGRAW HES SERIES | 120 VOLT | LED
4000K
MIN 6000LM
MAX 55W | WALL MTD
12'-0" AFG
AS NOTED | -VERIFY FINISH WITH ARCHITECT. |
| EE |  | LED 6" DOWNLIGHT WITH TRIM FINISH TO BE SELECTED BY ARCHITECT | LITESTRY™ LTR-6RD-H-SL15L-DM1-IC-LTR-6RD-1-SL-40K-T15-5
HALO 14C65D10 / H1612B40 / 61MDHUF
SPECTRUM 6GIC6LED08 SERIES | 120 VOLT | LED
4000K
MAX 18W
MIN 150LM | RECESSED
CANOPY
MOUNTED
- | -VERIFY TRIM FINISH WITH ARCHITECT
-IC RATED |
| EF |  | LED IN-GRADE SITE FIXTURE FOR FLAGPOLE WITH FINISH TO BE SELECTED BY ARCHITECT | HYDREEL 19S120C-X-LED-P4-40K-HVOLT-NSP-X-X-X-X-X-LDM1-X | 208 VOLT | LED
4000K
MIN 1000LM
MAX 53W | RECESSED
IN-GRADE
- | -VERIFY TRIM FINISH WITH ARCHITECT |

[illegible]

TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/ BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
AA		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *BBLT4-30L-ADP-EZI-LF840 COLUMBIA *LCAT24 SERIES METALUX *24C2Z SERIES	120/211 VOLT 0-10V DIM -	LED 4000K MAX 24W MIN 3000LM	RECESSED LAY-IN	- - -
AA1		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *BBLT4-40L-ADP-EZI-LF840 COLUMBIA *LCAT24 SERIES METALUX *24C2Z SERIES	120/211 VOLT 0-10V DIM -	LED 4000K MAX 32W MIN 4000LM	RECESSED LAY-IN	- - -
AA2		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *BBLT4-48L-ADP-EZI-LF840 COLUMBIA *LCAT24 SERIES METALUX *24C2Z SERIES	120/211 VOLT 0-10V DIM -	LED 4000K MAX 38W MIN 4800LM	RECESSED LAY-IN	- - -
AA3		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *BBLT4-60L-ADP-EZI-LF840 COLUMBIA *LCAT24 SERIES METALUX *24C2Z SERIES	120/211 VOLT 0-10V DIM -	LED 4000K MAX 48W MIN 6000LM	RECESSED LAY-IN	- - -
AA4		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *BBLT4-72L-ADP-EZI-LF840 COLUMBIA *LCAT24 SERIES METALUX *24C2Z SERIES	120/211 VOLT 0-10V DIM -	LED 4000K MAX 63W MIN 12000LM	RECESSED LAY-IN	- - -
AB		2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA *BBLT2-30L-ADP-EZI-LF840 COLUMBIA *LCAT22 SERIES METALUX *22C2Z SERIES	120/211 VOLT 0-10V DIM -	LED 4000K MAX 17W MIN 12000LM	RECESSED LAY-IN	- - -
AB1		2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA *BBLT2-33L-ADP-EZI-LF840 COLUMBIA *LCAT22 SERIES METALUX *22C2Z SERIES	120/211 VOLT 0-10V DIM -	LED 4000K MAX 21W MIN 3300LM	RECESSED LAY-IN	- - -
AB2		2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA *BBLT2-40L-ADP-EZI-LF840 COLUMBIA *LCAT22 SERIES METALUX *22C2Z SERIES	120/211 VOLT 0-10V DIM -	LED 4000K MAX 32W MIN 4000LM	RECESSED LAY-IN	- - -
AB3		2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA *BBLT2-60L-ADP-EZI-LF840 COLUMBIA *LCAT22 SERIES METALUX *22C2Z SERIES	120/211 VOLT 0-10V DIM -	LED 4000K MAX 48W MIN 6000LM	RECESSED LAY-IN	- - -
AC		1' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *BBLT4-40L-ADP-EZI-LF840 COLUMBIA *LCAT14 SERIES METALUX *4C2Z SERIES	120/211 VOLT 0-10V DIM -	LED 4000K MAX 32W MIN 4000LM	RECESSED LAY-IN	- - -
AD		2' X 4' LED LENSED KITCHEN REFLECTOR FIXTURE WITH INVERTED LENS AND TRIPLE GASKETING	LITHONIA *BBLT4-100L-RW-A9INV-MVOLT-EZI- LF840-ABC COLUMBIA *LJT24 SERIES METALUX *6R LED SERIES	120/211 VOLT 0-10V DIM -	LED 4000K MAX 83W MIN 10000LM	RECESSED LAY-IN	-INVERTED LENS AND TRIPLE GASKETING
CA		6" DIAMETER LED DOWNLIGHT WITH SEMI-REGULAR ALZAK REFLECTOR, IRIDESCENT FREE FINISH, 4 WHITE FLANGE	LITHONIA *LDN6-40-B-L06-AR-L88-MVOLT- EZ10-XX PRESCOLITE *LTR SERIES PORTFOLIO *LD6B SERIES	120/211 VOLT 0-10V DIM -	LED 4000K MAX 18 W MIN 1500 LM	RECESSED LAY-IN DRYWALL	-VERIFY TRIM FINISH WITH ARCHITECT
FA		LED HIGH BAY FIXTURE WITH WIREGUARD AND SAFETY WITH CABLE CLAMP	LITHONIA *BP3-30L-6EF-AFL-GND-MVOLT-GZ10- 40K-40K-80CRI-XX-XX COLUMBIA *FEL4 SERIES METALUX *0HB SERIES	120/211 VOLT 0-10V DIM -	LED 4000K MAX 118 W 30000 LM	CABLE MTD 6" ABOVE BOTTOM OF STRUCTURE	-PROVIDE WIREGUARD AND SAFETY CABLE
FB		4' LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS	LITHONIA *CLX-L48-1000LM-8EF-FDL-MVOLT- GZ10-40K-80CRI-XX-XX METALUX *MLED SERIES COLUMBIA *FP6 SERIES	120/211 VOLT 0-10V DIM -	LED 4000K CRI 80 MIN 10000 LM	"Y" CHAIN SUSPEND	-COORD LOCATIONS WITH DUCTWORK & PIPING
FD		LIBRARY PENDANT					
TA		TRACK LIGHT FIXTURE WITH LED PAR30 DIMMABLE HEAD, TWO CIRCUIT TWO NEUTRAL TRACK WITH BARN DOORS	CON-TECH *CTL5030-B-FA-30-BD30 PROVIDE WITH NTEK-X-B TRACK OR APPROVED EQUAL	120 VOLT -	ONE (1) LED 15W EQUIV PAR 30 PER HEAD	36" STEM MOUNTED TO UNISTRUT	-PROVIDE ALL MOUNTING ACCESSORIES -
XA		SINGLE FACE EXIT WITH 90 MINUTE BATTERY BACKUP	DUAL-LITE *8E-8-R-X-E-I LITHONIA *LE-8-X-I-R-ELN-X SURE-LITES *CX SERIES	120 VOLT -	LED MAX 3W -	CEILING/ WALL -	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROUS AS REQUIRED
XB		DUAL FACE EXIT WITH 90 MINUTE BATTERY BACKUP	DUAL-LITE *8E-D-R-X-E-I LITHONIA *LE-8-X-I-R-ELN-X SURE-LITES *CX SERIES	120 VOLT -	LED MAX 3W -	CEILING/ WALL -	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROUS AS REQUIRED
EM		FIXTURE ON EMERGENCY CIRCUIT WITH 90 MINUTE, 1400 LUMEN OUTPUT BATTERY UNIT OR INVERTER	BODINE FACTORY INSTALLED DRIVER OR HYERS LV SERIES INVERTER	120/211 VOLT	-	IN FIXTURE/ REMOTE	-PROVIDE TEST SWITCH AND CHARGING INDICATOR
NL		CONSTANT HOT, UNSWITCHED NIGHT LIGHT FIXTURE					

Diagram illustrating the cross-section of a conduit burial, showing the following layers and dimensions:

- NEW GREEN AREA/CONCRETE:** 6" MIN.
- NEW GRADE (GRASS OR CONCRETE):** 8" MIN.
- COMPACT FILL EVEN WITH BOTTOM OF CONCRETE:** 8" MIN.
- WARNING TAPE STATING "CAUTION BURIED ELECTRICAL LINES" - RUN CONTINUOUSLY THROUGHOUT TRENCH:** 6" MIN.
- RENDER REMOVED SOIL, ROCK FREE, BACK FILL AND COMPACT IN 8" LAYERS:** 8" MIN.
- ROUTE CONDUIT AS INDICATED ON SITE UTILITY PLAN. VERIFY CONDITIONS, REQUIREMENTS AND ROUTING IN FIELD:** 6" MIN.
- PROVIDE END CAP AT LOCATIONS INDICATED ON PLANS FOR FUTURE EXTENSION:** 6" MIN.

LEGEND:

- INDICATES CONDUIT BURIAL MINIMUM 36" BELOW GRADE AND LISTED FOR DIRECT BURIAL WITH NYLON FILL WIRE. COORDINATE CONDUIT TYPE WITH SPECIFICATIONS. REGARDLESS OF THE SPECIFIED CONDUIT, ALL CONDUIT BENDS SHALL BE GALVANIZED RIGID STEEL CONDUIT WITH NO LESS THAN 36" BENDING RADIUS.
- [PROPERLY TERMINATE, CAP AND SPIKE WITH 18" METAL SPIKE W/ 1 1/2" DIAMETER FOR FUTURE EXTENSION.



PROJECT
21-113
DATE
01/31/22
COORDINATED BY
SM
DRAWN BY
AG
CHECKED BY
DJ

REVISIONS		
MARK	DATE	ISSUED FOR
AD-2	02/21/2022	ADDENDUM NO. 2

[illegible]

PROJECT
DOUGLAS MACARTHUR ES
ADDITIONS AND RENOVATIONS

© GIBBALTAR DESIGN	SHEET
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E-502

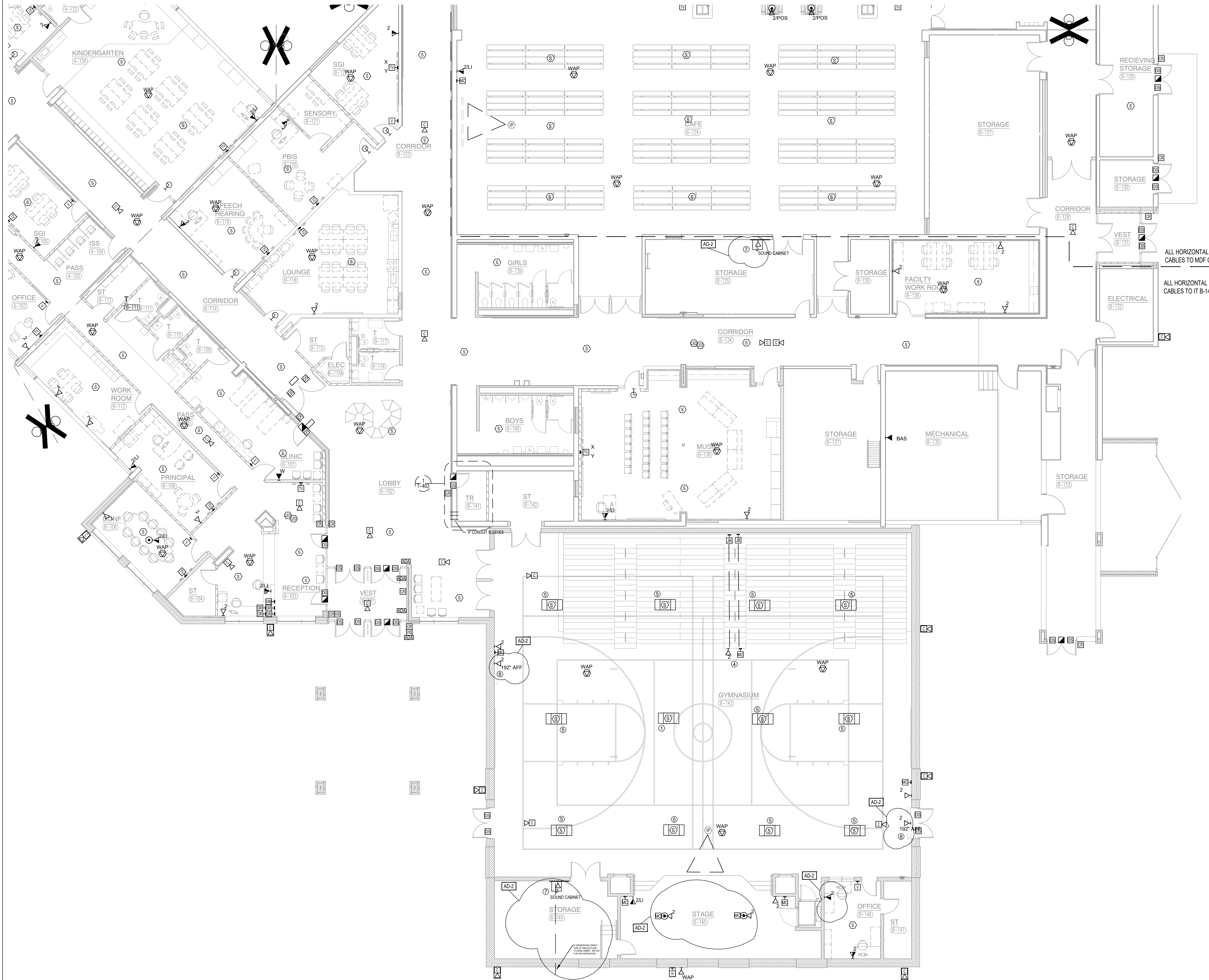
MECHANICAL EQUIPMENT CONNECTION SCHEDULE																		
TAG	DESCRIPTION	LOAD					MOCP	VOLT	PHASE	PANEL	CKT. NO.	FUSED SWITCH	FEEDER		STARTER BY:		LOCATION	REMARKS
		WATTS	HP	MCA	FLA	AMPS							C/B	CABLE	C	MC.		
C-1	CHILLER	406896	-	430	-	-	600	480	3	XFR	XFR	600A/3P	(2 SETS) 4 350KCMIL 4 1 1/2 GRD	2-1/2"	X	-	-	-
AH-1	AIR HANDLING UNIT	24829	-	69	-	-	110	208	3	MDP-1	MDP-1	110A/3P	4 1/2 4 1 1/2 GRD	1-1/2"	X	-	-	-
		9895.6	-	27.5	-	-	45	208	3	MDP-1	MDP-1	45A/3P	4 1/2 4 1 1/2 GRD	1"	-	-	-	-
AH-2	AIR HANDLING UNIT	24829	-	69	-	-	110	208	3	MDP-1	MDP-1	110A/3P	4 1/2 4 1 1/2 GRD	1-1/2"	X	-	-	-
		9895.6	-	27.5	-	-	45	208	3	MDP-1	MDP-1	45A/3P	4 1/2 4 1 1/2 GRD	1"	-	-	-	-
AH-3	AIR HANDLING UNIT	16553	-	46	-	-	80	208	3	MDP-1	MDP-1	80A/3P	4 1/3 4 1 1/2 GRD	1-1/4"	X	-	-	-
		9895.6	-	27.5	-	-	45	208	3	MDP-1	MDP-1	45A/3P	4 1/2 4 1 1/2 GRD	1"	-	-	-	-
VUV-1	UNIT VENTILATOR	999.6	-	8.33	-	-	20	120	1	VARIABLE	VARIABLE	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	X	-	-	-
VUV-2	UNIT VENTILATOR	960	-	8	-	-	20	120	1	VARIABLE	VARIABLE	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	X	-	-	-
VUV-3	UNIT VENTILATOR	1572	-	13.1	-	-	20	120	1	VARIABLE	VARIABLE	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	X	-	-	-
VUV-4	UNIT VENTILATOR	1572	-	13.1	-	-	20	120	1	VARIABLE	VARIABLE	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	X	-	-	-
VUV-5	UNIT VENTILATOR	1632	-	14.1	-	-	20	120	1	VARIABLE	VARIABLE	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	X	-	-	-
FC-1	FAN COIL UNIT	330	-	2.75	-	-	15	120	1	EX FNL	EX FNL	15A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
FC-2	FAN COIL UNIT	330	-	2.75	-	-	15	120	1	EX FNL	EX FNL	15A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
FC-3	FAN COIL UNIT	128.4	-	6.07	-	-	15	120	1	EX FNL	EX FNL	15A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
FC-4	FAN COIL UNIT	128.4	-	6.07	-	-	15	120	1	EX FNL	EX FNL	15A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
FC-5	FAN COIL UNIT	4656	-	3.88	-	-	15	120	1	EX FNL	EX FNL	15A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
AC-1/CU-1	CONDENSING UNIT	2288	-	11	-	-	28	208	1	EX FNL	EX FNL	30A/2P	3 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
AC-2/CU-2	CONDENSING UNIT	2288	-	11	-	-	28	208	1	MLB-11	68-70	30A/2P	3 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
AC-3/CU-3	CONDENSING UNIT	5200	-	25	-	-	30	208	1	EX FNL	EX FNL	30A/2P	3 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
AC-4/CU-4	CONDENSING UNIT	2288	-	11	-	-	28	208	1	MLB-13	31-39	30A/2P	3 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
GEF-1	GENERAL EXHAUST FAN	1176	1/2	-	-	-	-	120	1	EX FNL	EX FNL	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
GEF-2	GENERAL EXHAUST FAN	1176	1/2	-	-	-	-	120	1	EX FNL	EX FNL	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
GEF-3	GENERAL EXHAUST FAN	1656	3/4	-	-	-	-	120	1	EX FNL	EX FNL	25A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
GEF-4	GENERAL EXHAUST FAN	1656	3/4	-	-	-	-	120	1	EX FNL	EX FNL	25A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
TEF-1	TOILET EXHAUST FAN	1176	1/2	-	-	-	-	120	1	EX FNL	EX FNL	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
TEF-2	TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	EX FNL	EX FNL	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
TEF-3	TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	EX FNL	EX FNL	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
TEF-4	TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	EX FNL	EX FNL	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
TEF-5	TOILET EXHAUST FAN	696	1/4	-	-	-	-	120	1	EX FNL	EX FNL	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
TEF-6	TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	MLB-11	62	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
TEF-7	TOILET EXHAUST FAN	1656	3/4	-	-	-	-	120	1	MLB-11	64	25A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
TEF-8	TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	MLB-11	66	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
TEF-9	TOILET EXHAUST FAN	1920	1	-	-	-	-	120	1	EX FNL	EX FNL	30A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
TEF-10	TOILET EXHAUST FAN	1656	3/4	-	-	-	-	120	1	MLB-13	38	25A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
TEF-11	TOILET EXHAUST FAN	1176	1/2	-	-	-	-	120	1	EX FNL	EX FNL	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
H-1	KITCHEN HOOD	372	-	-	-	3.1	-	120	1	KP-2	31	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
H-2	KITCHEN HOOD	372	-	-	-	3.1	-	120	1	KP-2	39	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
UH-1	UNIT HEATER	1656	3/4	-	-	-	-	120	1	EX FNL	EX FNL	25A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
CH-1	CABINET HEATER	1176	-	2.75	-	-	15	120	1	VARIABLE	VARIABLE	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
CH-2	CABINET HEATER	372	-	3.88	-	-	15	120	1	VARIABLE	VARIABLE	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
CH-3	CABINET HEATER	372	-	2.8	-	-	15	120	1	VARIABLE	VARIABLE	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
CH-4	CABINET HEATER	1656	-	3.88	-	-	15	120	1	VARIABLE	VARIABLE	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
CWP-1	CHILLED WATER PUMP	21374	20	-	-	-	-	208	3	MBL1	1-9-11	80A/3P	4 1/2 4 1 1/2 GRD	1-1/2"	-	-	-	-
CWP-2	CHILLED WATER PUMP	21374	20	-	-	-	-	208	3	MBL1	8-10-12	80A/3P	4 1/2 4 1 1/2 GRD	1-1/2"	-	-	-	-
CP-1	CHILLED WATER RECIRC PUMP	16625	15	-	-	-	-	208	3	MBL1	19-21-23	90A/3P	4 1/2 4 1 1/2 GRD	1-1/2"	-	-	-	-
TUH-1	TANKLESS WATER HEATER	-	-	-	-	-	-	120	1	MLB-11	39	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
TUH-2	TANKLESS WATER HEATER	-	-	-	-	-	-	120	1	MLB-11	39	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
TUH-3	TANKLESS WATER HEATER	-	-	-	-	-	-	120	1	MLB-11	41	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
RCP-1	RECIRCULATION PUMP	2/5	-	-	4	4/5	-	120	1	MLB-11	41	20A/1P	2 1/2 4 1 1/2 GRD	3/4"	-	-	-	-
DBP-1	DOMESTIC BOOSTER PUMP	(2) 5	-	-	-	-	-	208	3	MLB-11	MLB-11	(2) 35A/3P	(2) 4 1/2 4 1 1/2 GRD	(2) 3/4"	-	-	-	-

NEW PANEL MLB-13																	
TOTAL KW: 519		ENCLOSURE: NEMA-1				PHASE: 3*				VOLTAGE: 120 / 208							
MOUNTING SURFACE		BUSHING: COFFER				FAULT CURRENT RATING: 22,000				AIC		MLO(AMPS): 225					
FEEDER: 4 #4/0 + 1 #4 GRD - 2 1/2"						LOCATION:											
LOAD DESCRIPTION		C/B				LOAD				C/B		LOAD DESCRIPTION					
		TRIP	POLE	A*	B*	C*	CCT. NO.	A*	B*	C*	TRIP						POLE
ROOM 111 REC	20	1	800			1	2	1200			20	1	UV-1				
ROOM 111 REC	20	1		800		3	4		1200			20	1	UV-1			
ROOM 111 TV/AVD	20	1			1000	5	6			1200		20	1	UV-1			
ROOM 116 REC	20	1	800			7	8	1200			20	1	UV-1				
ROOM 116 REC	20	1		800		9	10				20	1	UV-1				
ROOM 116 TV/AVD	20	1			1000	11	12		1200		20	1	UV-1				
ROOM 118 REC	20	1	800			13	14	1200			20	1	HAND DRYER				
ROOM 118 REC	20	1		800		15	16		1200		20	1	HAND DRYER				
ROOM 118 TV/AVD	20	1			1000	17	18			1200		20	1	EUC			
ROOM 118 REC	20	1	800			19	20	1200			20	1	EUC				
ROOM 112 REC	20	1				21	22		1200		20	1	REST ROOM REC				
ROOM 112 TV/AVD	20	1			1000	23	24			1200		20	1	COPIER			
ROOM 113 REC	20	1	800			25	26	1200			20	1	ROOM D-113 REC				
ROOM 113 REC	20	1		800		27	28		1200		20	1	DOOR D-113/14 REC				
ROOM 113 TV/AVD	20	1			1000	29	30			2000	30	2	IDF				
ROOM 110 REC	20	1	800			31	32	2000									
ROOM 110 REC	20	1		800		33	34		2000		30	2	IDF				
ROOM 119 TV/AVD	20	1			1000	35	36			2000		2					
CU-4	30	2	1144			37	38	1656			25	1	TEF-10				
						39	40		400		20	1	RT RECEP				
9SPACE						41	42				20	1	DOOR OPERATOR				
9SPACE						43	44			1200		20	1	DOOR OPERATOR			
9SPACE						45	46				20	1	DOOR OPERATOR				
9SPACE						47	48				1200		20	1	DOOR OPERATOR		
9SPACE						49	50	1200				20	1	DOOR OPERATOR			
9SPACE						51	52			1200		20	1	DOOR OPERATOR			
9SPACE						53	54				1200		20	1	DOOR OPERATOR		
9SPACE						55	56					20	1	9SPACE			
9SPACE						57	58					20	1	9SPACE			
9SPACE						59	60					20	1	9SPACE			
				5944	5944	6000			12056	10800	12000						
NOTE: REFER TO GENERAL NOTE 'B'																	
FOR ADDITIONAL INFORMATION																	
													A. 10,000				
													B. 16,144				
													C. 11200				
													TOTAL = 51,944				

PANEL EM-TECH																			
TOTAL KW: 5.8				ENCLOSURE: NEMA-1				PHASE: 3*				VOLTAGE: 120 / 208							
MOUNTING: SURFACE				BUSBING: COPPER				FAULT CURRENT RATING: 8000 AIC				MLO(A)FBS: 120							
FEEDERS: 4 #2 4 1 #8 GRD. - 1 1/2" C.				LOCATION:															
		C/B		LOAD				C/B		LOAD				C/B		LOAD			
LOAD DESCRIPTION	TRIP	POLE	A*	B*	C*	CCT. NO.	A*	B*	C*	TRIP	POLE	A*	B*	C*	TRIP	POLE	A*	B*	C*
IDF	30	2	1200	1200		1	2	1200		30	2	1200			30	2	1200		
						3	4	1200							20	1	1200		
						5	6			800	20	1	1200		20	1	1200		
						7	8	200			20	1	1200						
						9	10												
						11	12												
						13	14												
						15	16												
						17	18												
						19	20												
						21	22												
						23	24												
						25	26												
						27	28												
						29	30												
						31	32												
						33	34												
						35	36												
						37	38												
						39	40												
						41	42												
			1200	1200	0				1400	1200	800								
A= 2,600																			
B= 2,400																			
C= 800																			
TOTAL = 5,800																			
NOTE: REFER TO GENERAL NOTE 'B' FOR ADDITIONAL INFORMATION																			

EX ML9															
TOTAL KW: EX		ENCLOSURE: NEMA-1				PHASE: 3ø				VOLTAGE: 120 / 200					
MOUNTING: SURFACE		BUSHING: COPPER				FAULT CURRENT RATING:				EX		AIC		MLO(AMPS): 225	
FEEDER: EX		LOCATION:													
LOAD DESCRIPTION	C/B	LOAD				CCT. NO.	LOAD				C/B	LOAD DESCRIPTION			
	TRIP	POLE	A*	B*	C*		A*	B*	C*		TRIP	POLE			
EX LOAD	20	1				1 2					20	1		EX LOAD	
EX LOAD	20	1				3 4					20	1		EX LOAD	
EX LOAD	20	1				5 6					20	1		EX LOAD	
EX LOAD	20	1				7 8					20	1		EX LOAD	
EX LOAD	20	1				9 10					20	1		EX LOAD	
EX LOAD	20	1				11 12					20	1		EX LOAD	
EX LOAD	20	1				13 14					20	1		EX LOAD	
EX LOAD	20	1				15 16					20	1		EX LOAD	
EX LOAD	20	1				17 18					20	1		EX LOAD	
EX LOAD	20	1				19 20					20	1		EX LOAD	
EX LOAD	20	1				21 22					20	1		EX LOAD	
EX LOAD	20	1				23 24					20	1		EX LOAD	
EX LOAD	20	1				25 26					20	1		EX LOAD	
EX LOAD	20	1				27 28					20	1		EX LOAD	
EX LOAD	20	1				29 30					20	1		EX LOAD	
EX LOAD	20	1				31 32					20	1		EX LOAD	
EX LOAD	20	1				33 34					20	1		EX LOAD	
EX LOAD	20	1				35 36					20	1		EX LOAD	
EX LOAD	20	1				37 38					20	1		EX LOAD	
EX LOAD	20	1				39 40								SPACE	
EX LOAD	20	1				41 42								SPACE	
		EX EX EX						EX EX EX							

D:\DROPOBOX\CROWN_POINT_ COMMUNITY_SCHOOLS\T-BALL
- MAC ELEMENTARY_SCHOOLS\MACARTHUR
- TELECOMMUNICATIONS FIRST FLOOR PLANDWG



- PLAN NOTES:
- (ALL NOTES MAY NOT BE USED ON THIS SHEET.)
- 1 NEW TELECOMMUNICATION OUTLET(S) TO BE INSTALLED IN SURFACE RACEWAY WHERE REQUIRED.
 - 2 EXISTING CARD READER, TO BE RE-INSTALLED IN NEW DOOR FRAME.
 - 3 EXISTING SECURITY CAMERA(S), TO BE RE-INSTALLED IN NEW CEILING.
 - 4 AUDIO AND DATA CABLE TO TRAVEL WITH BLEACHERS.
 - 5 PROVIDE CONDUIT FOR SPEAKER CABLE. ROUTE FROM SPEAKER TO SOUND CABINET.
 - 6 EXISTING INCOMING WAN FIBER.
 - 7 DATA OUTLET MOUNTS IN THE BACK PAN OF THE SOUND CABINET.
 - 8 COORDINATE DATA OUT LOCATION WITH SCOREBOARD SUPPLIER.

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DOUGLAS MACARTHUR ES ADDITIONS AND RENOVATIONS
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

FIRST FLOOR KEY PLAN

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PROJECT
21-113
DATE
01/31/22
COORDINATED BY
BKS
DRAWN BY
TKP
CHECKED BY
BKS

Bicsi
Brian K Scott
BICSID ID # 114038
EXPIRES 12-31-24

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REVISIONS

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AD 2	02/21/2022	ADDENDUM 2

CONDUCTOR SIZING

Recommended Sizing of the Telecommunications Bonding Backbone Conductor (TBBC) and Grounding Equalizer (GE) per J-STD-607-A

The TBBC, BC, and BCT shall be copper conductors. The TBBC shall be sized at 2 kcmil per linear foot of conductor length up to a maximum size of a 3/0 AWG. The TBBC may be insulated. The Bonding conductor for Telecommunications (BCT) and Bonding Conductor (BC) shall be, as a minimum, the same size as the largest TBBC used.(1)

SIZE (AWG)	TBBC LENGTH LINEAR M (FT)	TBBC
	LESS THAN 4 (13')	6
	4-8 (14-20')	4
	8-8 (21-28')	3
	8-10 (27-33')	2
	10-13 (34-41')	1
	13-16 (42-52')	1/0
	16-20 (53-66')	2/0
	GREATER THAN 20 (66')	3/0*

The TBBC minimum conductor size shall be a No. 6 AWG.

*3/0 may not always be available, 4/0 is a more common size that may be substituted.

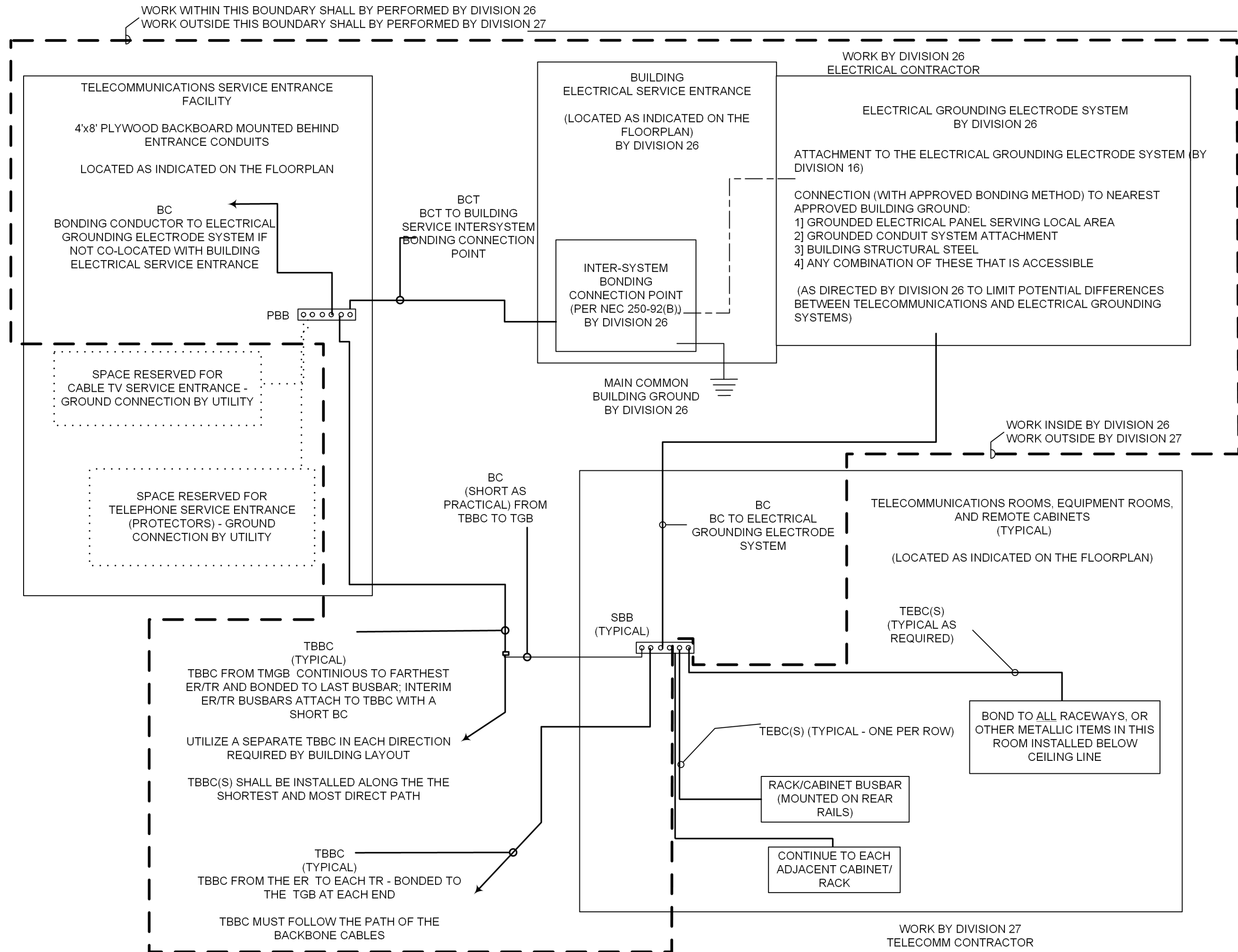
(1). Telecommunications Industry Association, Commercial Building Grounding (Earthing) and Bonding Requirements For Telecommunications, J-STD-607-A, October 2002.

ABBREVIATIONS

TR	= TELECOMMUNICATIONS ROOM
BBC	= BACKBONE BONDING CONDUCTOR
TBBC	= TELECOMMUNICATIONS BONDING BACKBONE CONDUCTOR
TBEC	= TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
PBB	= PRIMARY GROUNDING BUSBAR
SBB	= SECONDARY GROUNDING BUSBAR
RBB	= RACK GROUNDING BUSBAR
ER	= EQUIPMENT ROOM
TBC	= TELECOMMUNICATIONSBONDING CONDUCTOR
EF	= ENTRANCE FACILITY

GROUNDING SYSTEM NOTES: (THIS DETAIL)

- 1) TBBC, TBEC, and BC GROUNDING CONDUCTORS MUST BE INSTALLED IN COMPLIANCE WITH LOCAL CODES; THIS MAY REQUIRE INSTALLATION IN METALLIC CONDUIT IF RUN THROUGH PLENUM CEILING CAVITIES.
- 2) GROUNDING CONDUCTORS RUN THROUGH A CONDUIT SHALL BE BONDED TO THE CONDUIT AT EACH END.
- 3) ALL GROUND CONDUCTORS SHALL BE INSTALLED IN THE SHORTEST AND MOST DIRECT PATH PRACTICAL.
- 4) WHERE THE ENTRANCE FACILITY IS LOCATED IN THE ER, THE TMGB SHALL ALSO SERVE AS A TGB FOR THE ROOM. THE TBBCS REQUIRED FROM THE ER TO EACH TR ALONG THE BACKBONE CABLE PATH WILL ALSO BE USED TO CONNECT THE TGBS TO THE TMGB.
- 5) REMOTE CABINETS SHALL SUBSTITUTE A R/C BUSBAR IN PLACE OF THE TGB.



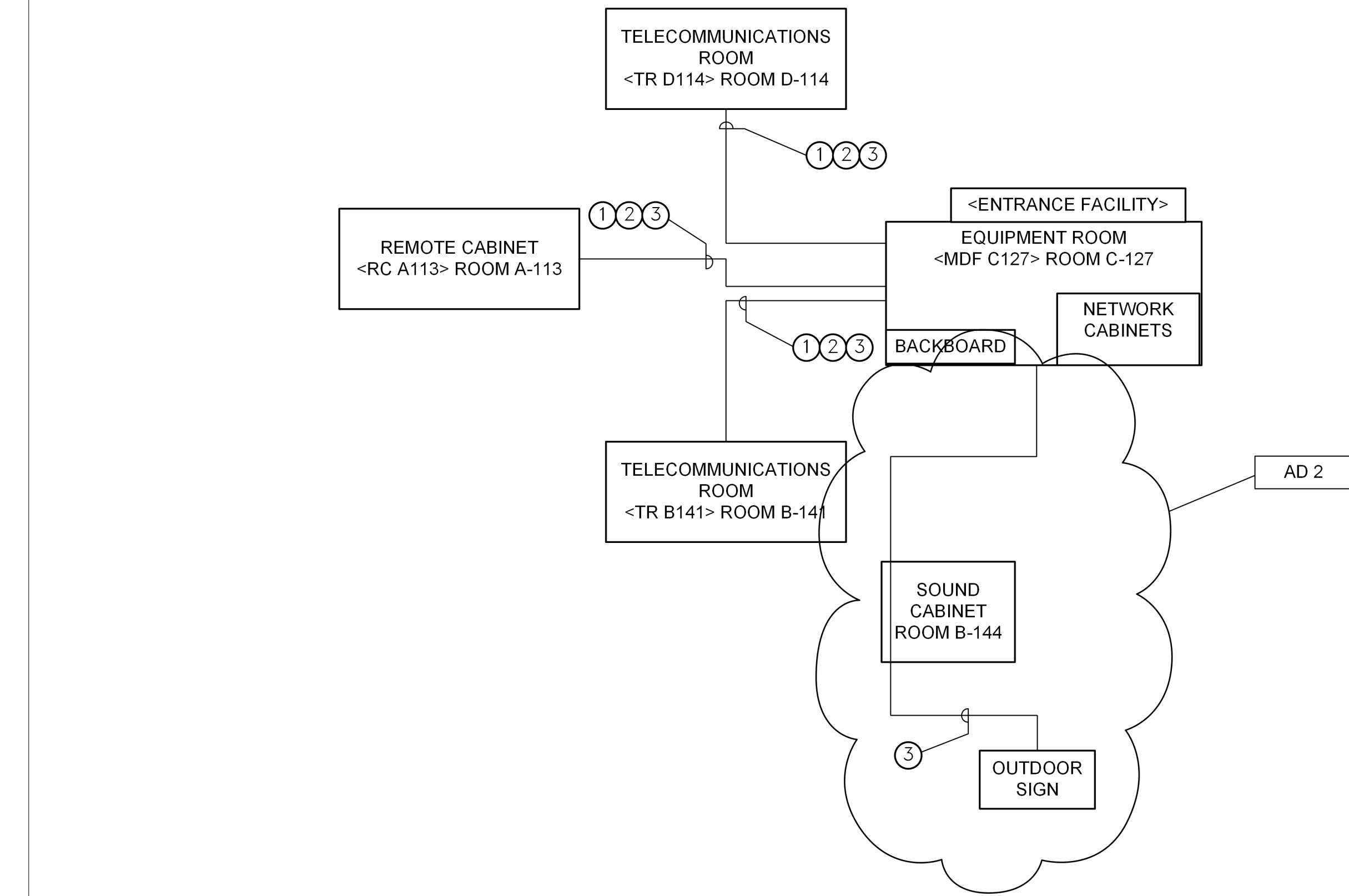
2 TELECOMMUNICATIONS GROUNDING DIAGRAM NTS

BACKBONE NOTES (THIS DETAIL)

- 1) BACKBONE CABLES ENTERING THE EQUIPMENT ROOM AND TELECOMMUNICATIONS ROOM(S) SHALL CONTINUE WITHIN EACH ROOM TO THEIR SPECIFIED TERMINATION POINT WITH ADEQUATE SERVICE LOOP (SEE NOTES THIS DETAIL).
- 2) UTILIZE CABLE CONSTRUCTION COMPATIBLE WITH THE ENVIRONMENT THE CABLE IS INSTALLED IN.
- 3) THIS DIAGRAM IS INTENDED TO SHOW BACKBONE CABLES REQUIRED BETWEEN MAJOR TERMINATION POINTS IN THIS PROJECT. THIS DIAGRAM IS NOT INTENDED TO INDICATE CABLE OR CONDUCTOR ROUTING OR TERMINATION METHODS OR LOCATIONS. UTILIZE DETAIL DRAWINGS AND FLOORPLANS FOR ADDITIONAL INFORMATION.
- 4) UNLESS OTHERWISE NOTED, BACKBONE TERMINATIONS SHALL BE AS FOLLOWS:
 - 1) FIBER OPTIC CABLE WILL TERMINATE IN PATCH PANELS IN THE RACKS/CABINETS AT EACH END.
 - 2) 4 PAIR COPPER CABLES SHALL BE TERMINATED WITH COLOR CODED RJ45 JACKS AND LANDED IN CONFIGURABLE/MODULAR PATCH PANELS AT EACH END.
 - 3) WHERE REQUIRED, VIDEO COAX CABLES SHALL TERMINATE ON BACKBOARDS AT EACH END COILED FOR ATTACHMENT DIRECT TO EQUIPMENT.
 - 4) UTP COPPER (VOICE) BACKBONE CABLES SHALL TERMINATE ON PATCH PANEL(S) IN THE TRS AND ON 110 STYLE BLOCKS ON A BACKBOARD IN THE ER (CABLE FROM THE BUILDING ENTRANCE FACILITY TO THE ER BACKBOARD SHALL TERMINATE ON 110 STYLE BLOCKS AT BOTH ENDS).

BACKBONE LEGEND: (THIS DETAIL)

1. QTY (2) 4 PAIR CATEGORY 6 CABLES
2. 8 STRANDS MULTIMODE FIBER OPTIC CABLE
3. 8 STRANDS SINGLEMODE FIBER OPTIC CABLE
4. 12 STRANDS MULTIMODE FIBER OPTIC CABLE
5. 12 STRANDS SINGLEMODE FIBER OPTIC CABLE
6. 25 PAIR CATEGORY 3 UNSHIELDED TWISTED PAIR CABLE



1 TELECOMMUNICATIONS BACKBONE DIAGRAM NTS

BACKBONE CABLE CONSTRUCTION NOTES

PREFACE

- 1) CABLE CONSTRUCTION OPTIONS ARE AVAILABLE TO FIT MOST ENVIRONMENTS. IN DETERMINING THE PROPER CABLE CONSTRUCTION AND INSTALLATION METHOD, UTILIZE THE FOLLOWING GUIDELINES.
- 2) THE FOLLOWING ARE PRE-APPROVED GUIDELINES FOR SELECTION OF CONSTRUCTION TYPE AND INSTALLATION METHOD. ANY DEVIATION FROM THESE GUIDELINES SHALL REQUIRE CONSULTANT'S APPROVAL PRIOR TO WORK BEING PERFORMED.

A - INDOOR CABLES

- 1) COPPER CABLES UTILIZED INSIDE CLOSED CONDUIT SYSTEMS SHALL HAVE A MINIMUM OF A 'RISER' (UL) RATING.
- 2) COPPER CABLES USED IN INDOOR PATHWAYS SUCH AS J-HOOKS, LADDER RACK, CABLE TRAY, ETC., SHALL HAVE A MINIMUM OF A 'RISER' (UL) RATING. IF ANY PORTION OF THE CABLE(S) PASSES THROUGH A SPACE DEFINED AS A 'PLENUM' AIR SPACE, THE CABLE(S) SHALL HAVE A MINIMUM 'PLENUM' RATINGS (UL).
- 3) FIBER OPTIC CABLES UTILIZED INSIDE CLOSED CONDUIT SYSTEMS SHALL HAVE A MINIMUM OF A 'RISER' (UL) RATING. INNER-DUCT (TUBULAR OR TEXTILE) SHALL BE UTILIZED FOR CONDUITS LARGER THAN 3" TRADE SIZE.
- 4) FIBER OPTIC CABLES USED IN INDOOR PATHWAYS SUCH AS J-HOOKS, LADDER RACK, CABLE TRAY, ETC., SHALL HAVE A MINIMUM OF A 'RISER' (UL) RATING. IF ANY PORTION OF THE CABLE(S) PASSES THROUGH A SPACE DEFINED AS A 'PLENUM' AIR SPACE, THE CABLE(S) SHALL HAVE A MINIMUM 'PLENUM' RATINGS (UL). FIBER OPTIC CABLES SHALL BE INSTALLED WITHIN A TUBULAR INNER-DUCT CARRYING THE SAME RATINGS AS THE CABLE.
- 5) FIBER OPTIC CABLES IN INDOOR PATHWAYS MAY BE SUPPLIED WITH A FLEXIBLE ARMORED CONSTRUCTION WHICH WILL FULFILL THE INNER-DUCT REQUIREMENT.
- 6) NOT USED

B - OUTDOOR CABLEING

- 1) CABLES UTILIZED WITHIN A PATHWAY WHERE THE CABLE IS SUBJECT TO MOISTURE AND FREEZING/THAWING CYCLES SHALL BE OF AN 'OSP' GRADE. NOTE: ALL CABLEING ABOVE OR BELOW GROUND, CONNECTING TWO OR MORE FACILITIES (WITH THE EXCEPTION OF A TUNNEL PATHWAY) SHALL BE CONSIDERED TO BE IN A WET ENVIRONMENT. THIS IS INCLUSIVE OF ALL CONDUITS BELOW THE SLAB WITHIN THE PERIMETER OF A FACILITY.
- 2) CABLES USED IN OUTDOOR OVERHEAD (AERIAL) PATHWAYS SHALL BE SUPPORTED BY LASHING TO A MESSENGER STRAND (SIZED AND INSTALLED SO AS TO ALLOW LESS THAN 1% PERCENT SAG) OR PLACED WITHIN A CABLE TRAY. THESE CABLES SHALL BE UN-RATED AND SHALL BE CLASSIFIED AS HAVING 'AERIAL/DUCT' CONSTRUCTION.
- 4) PAIRED COPPER CABLES UTILIZED INSIDE CLOSED UNDERGROUND CONDUIT SYSTEMS SHALL INCORPORATE WATER BLOCKING TECHNOLOGY AND SHALL HAVE AN OVERALL SHIELD. THE SHIELD SHALL BE BONDED TO TELECOMMUNICATIONS GROUND (ALONG WITH THE PROTECTOR GROUND). (NOTE: A SHIELD ISOLATION SHALL BE CREATED IN ONE POINT ALONG THE ROUTE TO PREVENT A GROUND PATH BETWEEN BUILDINGS.)
- 5) FIBER OPTIC CABLES USED INSIDE CLOSED UNDERGROUND CONDUIT SYSTEMS SHALL INCORPORATE WATER BLOCKING TECHNOLOGY AND BE OF LOOSE-TUBE CONSTRUCTION. INNER-DUCTS SHALL BE UTILIZED (TUBULAR OR TEXTILE AS SPECIFIED) TO PROTECT THE CABLE FROM DAMAGE WITHIN THE CONDUIT.
- 6) NOT USED

C - COMBINATION OF INDOOR AND OUTDOOR CABLEING

- 1) ALL REQUIREMENTS ABOVE APPLY TO THESE APPLICATIONS. THE FOLLOWING ITEMS ARE EXCEPTIONS AND KEY INFORMATION FOR PROPER APPLICATION.
- 2) CABLES THAT ARE UN-LISTED AND CONSTRUCTED FOR OSP USE SHALL TERMINATE WITHIN 50' OF THE BUILDING ENTRANCE.
- 3) CABLES THAT ARE UN-LISTED AND CONSTRUCTED FOR OSP USE SHALL NOT BE IN A 'PLENUM' AIR SPACE. ENTRANCE CONDUITS MUST CONTINUE THROUGH THIS TYPE SPACE TO BE TERMINATED.
- 4) COPPER CABLES BETWEEN ANY TWO FACILITIES SHALL BE PROTECTED AT EACH END WITH GROUNDED PROTECTOR UNITS WITH GAS TUBE PROTECTORS ON EACH PAIR.
- 5) FIBER OPTIC CABLE MAY BE OF AN INDOOR/OUTDOOR CONSTRUCTION AND CARRY THE APPROPRIATE UL LISTING (OFNR OR OFNP) FOR THE ENVIRONMENT TO AVOID SPLICING AT THE BUILDING ENTRANCE(S).
- 6) COPPER CABLES UTILIZED WITHIN A UNDERGROUND PATHWAY WHERE THE CABLE IS SUBJECT TO MOISTURE AND NOT SUBJECT TO FREEZING/THAWING CYCLES (BETWEEN TWO POINTS WITHIN A FACILITY. THESE CABLES MAY BE OF INDOOR CONSTRUCTION (WITH APPLICABLE RATINGS) IN INSTALLED WITHIN A CONTINUOUS PROTECTIVE TUBULAR INNER-DUCT WITHIN THE CONDUIT PROTECTING IT FROM MOISTURE.

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PROJECT

DOUGLAS MACARTHUR ES ADDITIONS AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION CROWN POINT, INDIANA

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PROJECT

21-113

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1/31/22

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ADDENDUM 2

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TELECOMMUNICATIONS

DIAGRAMS

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CROWN POINT MACARTHUR ES

ADDITIONS AND RENOVATIONS

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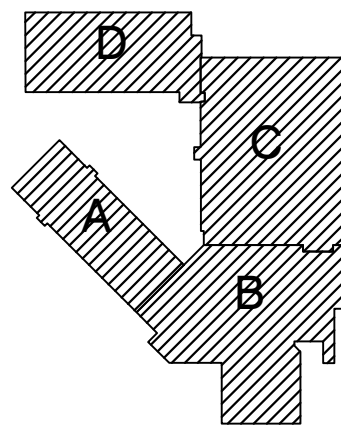
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Brian K Smith
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DRAWING
**TELECOMMUNICATIONS
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**CROWN POINT MACARTHUR ES
ADDITIONS AND RENOVATIONS**

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