ADDENDUM
NO. 2

March 1, 2022

TIMOTHY BALL 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 February 7, 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 24, 2022 and consisting of 7 pages, Hardware List of Paragraph 3.08 of Specification Section 08 71 00, and 55 drawings.

A. SPECIFICATION SECTION 00 31 00 - BID FORM

1. **Replace:**

   Bid Form with the attached revised Bid Form.

B. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

1. **BID CATEGORY NO. 1 - GENERAL TRADES**

   1. **Add:**

      Clarification No. 24:
      Reference drawing sheet C3.1, the **Bid Category No. 1 Contractor** shall provide the perimeter drain located west of the new Pre-K building addition. Coordinate final location and connections with the **Bid Category No. 12 Contractor**.

2. **BID CATEGORY NO. 12 - PLUMBING**

1. **Add:**

Clarification No. 10:
Reference drawing sheet C3.1, the **Bid Category No. 1 Contractor** shall provide the perimeter drain located west of the new Pre-K building addition. Coordinate final location and connections with the **Bid Category No. 12 Contractor**.

C. SPECIFICATION 01 23 00 - ALTERNATES

1. **Add:**

M. ALTERNATE NO. 13: State the cost to include new pole bases, poles, and lighting fixture heads, and final electrical connections, as shown on sheet E-002 and scheduled on sheet E-502. Base Bid: 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.

CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96

Format (Revised 2013)
(Amended for CPCSC)

Timothy Ball 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, ***Timothy Ball 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, Nor 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, Hardware in New and Existing Classrooms

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

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

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 3 – New Fascia System, Flashing, and Trim

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 4 – Continuous Spray Foam Insulation Behind New Fascia System

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

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

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

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

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

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

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

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

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

Alternate Bid No. 9 – Chiller Manufactured by Trane

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

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

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

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

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

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

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

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

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

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

ADDENDUM TWO

Addendum Two (AD.02) to the drawings and specifications prepared by Gibraltar Design for **Timothy Ball Elementary School Additions, Renovations, and Related Work** 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 08 71 00 Door Hardware**
   A. Replace Paragraph 3.08 of Specification Section 08 71 00 Door Hardware with updated Paragraph 3.08 included in this Addendum.
2. **Specification Section 23 09 23 Temperature Controls**
   A. Add Paragraph 1.02 D. to read:
      "D. The intent of this specification is to provide seamless integration with the existing district-wide Schneider Electric I/A Series building automation system in place at Crown Point Community School Corporation. Integration software drivers and graphics being provided with the new project at MacArthur Elementary School must be seamlessly integrated into the existing Schneider Electric Web Server. The existing Schneider Electric System in place consists of both N4 and legacy AX platforms that will be seamlessly integrated."

DRAWINGS

3. **Sheet G-102**
   A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
      1. Revise sheet index to include sheet A-212.
4. **Sheet G-104**
   A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
      1. Revise sheet index to include sheet A-212.
5. **Sheet S-001, S-204, S-206, S-207, S-208, S-209, S-411, S-412, S-413**
   A. Refer to revised, full size drawings, included in this Addendum, refer to bubbled revisions on each of the sheets.
6. **Sheet AD-101, AD-102, AD-103**
   A. Refer to revised, full-size drawings, included in this Addendum, for the following

revisions:

1. Add General Demolition Note Y.
2. Revise Plan Note 50, 26.
3. Add Plan Notes 55, 56, 57, 58.
4. Refer to Demolition Floor Plan for clouded revisions in multiple locations.

7. Sheet A-101, A-102, A-103, A-104, A-105

A. Refer to revised, full-size drawings, included in this Addendum, for the following revisions:

1. Add Plan Notes 45, 46.
2. Revise Plan Note 24, 37, 38, 40, 43.
3. Revise section cuts were clouded on plan.
4. Refer to Floor Plan for clouded revisions in multiple locations.

8. Sheet A-103

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Revise column wrap at B-206 to be C6 wall type on all four sides.
2. Revise Media Center wood shelving to be shown as fixed casework.

9. Sheet A-104

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Revise column grid line in Corridor C-238.

10. Sheet A-103, A-104, A-105

A. Refer to revised, full size drawings, included in this Addendum, for the following revisions:

1. Revise door tags to match schedule.

11. Sheet A-302

A. Refer to revised, full size drawings, included in this Addendum, for the following revisions:

1. Refer to Elevation Drawings for clouded dimension revisions in multiple locations.

12. Sheet A-411

A. Refer to revised, full size drawings, included in this Addendum, for the following revisions:

1. Add reference bubble 9/A-612.
2. Refer to Section Drawing for clouded dimension revisions in multiple locations.

13. Sheet A-416

A. Refer to revised, full size drawings, included in this Addendum, for the following revisions:

1. Revise Wall Section 3/A-416.
2. Refer to Section Drawing for clouded dimension revisions in multiple locations.

14. Sheet A-431

A. Refer to revised, full size drawings, included in this Addendum, for the following revisions:

1. Revise 1/A-431, 2/A-431 and 6/A-431 to include aluminum divider rail
2. Refer to Section Drawing for clouded note revisions in multiple locations.

15. Sheet A-501

A. Refer to revised, full-size drawings, included in this Addendum, for the following revisions:

1. Added details to 6/A-501.
2. Added note to 11/A-501.
3. Refer to Drawing for clouded revisions in multiple locations.

16. Sheet A-502

A. Refer to revised, full-size drawings, included in this Addendum, for the following revisions:

1. Revise Trash Enclosure in 3/A-502 and 4/A-502.
2. Refer to Drawing for clouded dimension revisions in multiple locations.

17. Sheet 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.

18. Sheet A-610, A-611, A-612

A. Refer to revised, full size drawings, included in this Addendum, for the following revisions:

1. Revised Detail 9/A-612 to include window.
2. Refer to Door and Frame Schedule for clouded revisions

19. Sheet A-703

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revise Media Center wood shelving to be shown as fixed casework.

20. Sheet A-903

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revise Lighting Layout in Vestibule B-152 and Lobby B-153.
2. Refer to Drawing for added plan notes in multiple locations.

21. Sheet A-904

A. Refer to revised, full size drawing, including in this addendum for the following revisions:

1. Reflected plan notes and dimensions added complete on entire sheet.
2. Add Bulkhead Height in Corridor C-238.

22. Sheet A-905

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Remove detail 2/A-905.

23. Sheet MD104

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Added Demo Louver.
2. Added Sheet Note 14.

24. Sheet MV101

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revised louver size to 40"w x 27 ½"h in Classroom A-103, A-104, A-105, A-107, SGI A-101A and Flex A-123.
2. Revised louver size to 38"w x 27 ½ "h in Classroom A-108, A-109, A-117, a-128, A-129 A-130, and Flex A-124.
3. Revised louver size to 40"w x 30"h in Applied Skill 52 A-136.
4. Removed ducted outside air to roof for VUV-2 and added 40"w x 30"h louver to Lounge A-151.
5. Added undercut door to Storage A-131.
6. Added exhaust grille to Storage A-143.
7. Revised location of kiln exhaust and general exhaust through roof in Storage A-143.
8. Added transfer air into Storage A-143.

25. Sheet MV102

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revised louver size to 40"w x 30 ½ "h in Classroom A-303, A-304, A-305, A-306, SGI A-330, and Flex A-321.
2. Revised louver size to 38"w x 30 ½ "h in Classroom A-307, A-313, A-314, A-327, A-328, a-329 and Special Education a-322.

26. Sheet MV103

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revised louver size to 38"w x 26½"h in Classroom B-198, B-199, B-201, B-202, ED51 B-174, ED 50 B-177, and Kindergarten B-178.
2. Added 72"w x 24"h louver to Mechanical B-220.
3. Clarified relief up thru roof in Music B-180.

27. Sheet MV104

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revised louver size to 36"w x 24"h in Kindergarten C-225, C-230, C-231, and C-236.
2. Removed blank-offs on louver in Kindergarten C-225, C-230, C-231, and C-236

28. Sheet MV105

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revised louver size to 36"w x 24"h in Pre-K D-261, D-265, D-267, and D-272.
2. Removed blank-offs on louver in Pre-K D-261, D-265, D-267, and D-272.
3. Revised location of duct rises and tap offs for RT-1.

29. Sheet MP103

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Added gas branch for make-up air unit in Kitchen/Serving B-206.

30. Sheet MP106

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revised total additional gas load.

31. Sheet M-201

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Removed intake hood.
2. Revised location of kiln exhaust and general exhaust.
3. Added gas to make-up air unit.
4. Revised location of RT-1.

32. Sheet M-501

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Added schedule notes to Note 3, 4, and 12.
2. Added ERV schedule for RT-2A and RT-2B.

33. Sheet M-502

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Added make-up air unit to gas schedule.
2. Revised total additional gas load.

34. Sheet M-603

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Added note to unit ventilator details.
2. Clarified false back on unit ventilator details.

35. Sheet P-101

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revised storm leader location to coordinate with civil connection.

36. Sheet P-106

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revised storm system and leader location to coordinate with civil connection.

37. Sheet EL101

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revised lighting fixture types.

38. Sheet EL102

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revised lighting fixture types.
2. Revised lighting fixture locations.
3. New location of lighting basement plan.

39. Sheet EL103

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revised lighting fixture types.
2. Revised lighting fixture locations

40. Sheet EL104

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revised lighting fixture type.
2. Revised lighting fixture locations

41. Sheet EP201

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revised locations of mechanical equipment connections.

42. Sheet EP402

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Removed lighting basement plan.

43. Sheet E501

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Revised sheet note.

44. Sheet E502

A. Refer to revised, full size drawing, included in this Addendum, for the following revisions:

1. Added lighting fixture Types AE3, AE4 and WA.
2. Revised lighting fixture Type TA.
3. Revised approved equals to no substitutions for exterior lighting fixtures.

Pages 1 through 7, inclusive, hardware list of Paragraph 3.08 of Specification Section 08 71 00, and fifty five(55) Full-Size Drawings, constitute the total makeup of **Addendum Two**.

GIBRALTAR DESIGN

Joseph P. Briggs

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3.08 DOOR HARDWARE SCHEDULE

A. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.

B. Discrepancies, conflicting hardware, and missing items are to be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application

C. Hardware items are referenced in the following hardware. Refer to the above-specifications for special features, options, cylinders/keying, and other requirements.

D. Hardware Sets:

HARDWARE GROUP NO. 01

For use on Door #(s):
B-204A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PASSAGE SET	9K0 N 14D	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 02

For use on Door #(s):
A-137A B-203A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PRIVACY SET	45H 0 L 14S VIN	626	BES
1	EA	OH STOP	90S	630	GLY
1	EA	GASKETING	488SCL PSA	CL	ZER

HARDWARE GROUP NO. 03

For use on Door #(s):
B-158A B-175A B-168A B-169A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PRIVACY SET	45H 0 L 14S VIN	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER

HARDWARE GROUP NO. 04

For use on Door #(s):
B-179A C-229A C-233A C-227A C-235A D-264A
D-264B D-269A D-271A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD	628	IVE
1	EA	PRIVACY SET	45H 0 L 14S VIN	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER
1	EA	FINGER GUARD	51A-90	A	ZER

HARDWARE GROUP NO. 05 - NOT USED

HARDWARE GROUP NO. 06

For use on Door #(s):
A-139A B-192A B-193A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PRIVACY SET	45H 0 L 14S VIN	626	BES
1	EA	OH STOP	90S J	630	GLY
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER

HARDWARE GROUP NO. 07

For use on Door #(s):

A-309A	A-310A	A-112A	A-113A	A-138A	B-167A
D-255A					

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PRIVACY SET	45H 0 L 14S VIN	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER

HARDWARE GROUP NO. 08 - NOT USED

HARDWARE GROUP NO. 09

For use on Door #(s):

B-214A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE LOCKSET	9K7 AB 14D	626	BES
1	EA	OH STOP	90S J	630	GLY
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 10

For use on Door #(s):

B-155A	B-170A	B-171A	B-211A	B-213A	B-182A
C-243A	D-250A	D-253A	D-254A	D-249A	

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE LOCKSET	9K7 AB 14D	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 11

For use on Door #(s):
D-258A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE LOCKSET	9K7 AB 14D	626	BES
1	EA	OH STOP	90S	630	GLY
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER

HARDWARE GROUP NO. 12

For use on Door #(s):
A-145B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE LOCKSET	9K7 AB 14D	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 13

For use on Door #(s):
B-157B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE LOCKSET	9K7 AB 14D	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP/HOLDER	WS45	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 14

For use on Door #(s):
D-247B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM X STORERM	ND70X80CD SPA XN12-006	626	SCH
2	EA	PERMANENT CORE	1C7	626	BES
1	EA	ELECTRIC STRIKE	6212 FSE 12/16/24/28 VAC/VDC	630	VON
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	AI PHONE	BY ACCESS CONTROL PROVIDER		
1	EA	DOOR CONTACT	7764	628	SCE
1	EA	MOTION SENSOR	SCANII 12/24 VDC	BLK	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOOR CLOSED AND ALWAYS LOCKED FROM RECEPTION SIDE. DOOR UNLOCKED FROM CORRIDOR SIDE DURING SCHOOL HOURS AND LOCKED FROM CORRIDOR SIDE AFTER HOURS AND ON WEEKENDS.

AI PHONE AT RECEPTION DESK OR VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACT TO MONITOR DOOR POSITION. MOTION SENSOR ON PUSH SIDE SHUNTS DOOR CONTACT FOR VALID EGRESS.

HARDWARE GROUP NO. 15

For use on Door #(s):
B-154B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM X STORERM	ND70X80CD SPA XN12-006	626	SCH
2	EA	PERMANENT CORE	1C7	626	BES
1	EA	ELECTRIC STRIKE	6212 FSE 12/16/24/28 VAC/VDC	630	VON
1	EA	OH STOP	90S	630	GLY
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	AI PHONE	BY ACCESS CONTROL PROVIDER		
1	EA	DOOR CONTACT	7764	628	SCE
1	EA	MOTION SENSOR	SCANII 12/24 VDC	BLK	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOOR CLOSED AND ALWAYS LOCKED FROM RECEPTION SIDE. DOOR UNLOCKED FROM CORRIDOR SIDE DURING SCHOOL HOURS AND LOCKED FROM CORRIDOR SIDE AFTER HOURS AND ON WEEKENDS.

AI PHONE AT RECEPTION DESK OR VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACT TO MONITOR DOOR POSITION. MOTION SENSOR ON PUSH SIDE SHUNTS DOOR CONTACT FOR VALID EGRESS.

HARDWARE GROUP NO. 16

For use on Door #(s):

A-143A	B-172A	C-243BA	D-252A	D-266A	D-266B
D-268A	D-268B				

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
1	EA	OH STOP	90S	630	GLY
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 17

For use on Door #(s):
B-206C

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
1	EA	OH STOP & HOLDER	90H J	630	GLY
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 18

For use on Door #(s):

A-147A	B-156A	B-160A	B-208A	B-173A	C-226A
C-226B	C-232A	C-232B	C-242A	D-251A	D-257A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 19

For use on Door #(s):
B-206B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
1	EA	WALL STOP/HOLDER	WS45	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 20

For use on Door #(s):
A-132A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
1	EA	OH STOP	90S	630	GLY
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 21

For use on Door #(s):
D-259A D-260A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T AS REQ'D	630	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
2	EA	OH STOP	90S	630	GLY
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 22

For use on Door #(s):
B-185A B-185B B-185C

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T AS REQ'D	630	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
2	EA	OH STOP & HOLDER	90H J	630	GLY
2	EA	SILENCER	SR64	GRY	IVE

DOORS AND TRANSOM TO BE RABBETED.

HARDWARE GROUP NO. 23

For use on Door #(s):
C-241A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T AS REQ'D	630	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
1	EA	OH STOP	90S	630	GLY
1	EA	WALL STOP	WS401/402CVX	626	IVE
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 24

For use on Door #(s):
B-215A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T AS REQ'D	630	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB [AS REQ'D]	689	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

DOORS AND TRANSOM TO BE RABBETED.

HARDWARE GROUP NO. 25 - NOT USED

HARDWARE GROUP NO. 26 - NOT USED

HARDWARE GROUP NO. 27 - NOT USED

HARDWARE GROUP NO. 28 - NOT USED

HARDWARE GROUP NO. 29

For use on Door #(s):
A-308A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	OH STOP & HOLDER	90H J	630	GLY
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 30

For use on Door #(s):
B-180A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	OH STOP & HOLDER	90H J	630	GLY
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	GASKETING	119WB PSA	B	ZER
1	EA	GASKETING	870AA	AA	ZER
1	EA	DOOR BOTTOM	364AA	AA	ZER
1	EA	THRESHOLD	564A	A	ZER
1	EA	MOUNTING BRACKET	870SPB		ZER

HARDWARE GROUP NO. 31

For use on Door #(s):
A-146A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	OH STOP	90S J	630	GLY
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 32

For use on Door #(s):
D-273B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 33

For use on Door #(s):
A-316A A-323A A-115A B-206A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 33A

For use on Door #(s):
B-181A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. 34 - NOT USED

HARDWARE GROUP NO. 35

For use on Door #(s):

A-101A	A-301A	A-311A	A-101AA	A-111A	A-114A
A-141A	A-145A	B-194A	C-237AA	C-237BA	D-256A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 36

For use on Door #(s):

C-234B C-234C

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD	628	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	FINGER GUARD	51A-90	A	ZER
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 37

For use on Door #(s):

B-191A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4041 DEL RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 38 - NOT USED

HARDWARE GROUP NO. 39

For use on Door #(s):

A-303A	A-305A	A-306A	A-325A	A-304A	A-103A
A-104A	A-105A	A-107A	A-144A	B-157A	B-178A
B-183A	B-212A	B-216A	B-174A	B-177A	D-245A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP/HOLDER	WS45	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 40

For use on Door #(s):

C-231A	C-236A	C-225A	C-230A	D-261A	D-265A
D-267A	D-272A				

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD	628	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP/HOLDER	WS45	626	IVE
1	EA	FINGER GUARD	51A-90	A	ZER
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 41

For use on Door #(s):

B-178B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD	628	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP/HOLDER	WS45	626	IVE
1	EA	FINGER GUARD	51A-90	A	ZER
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 42 - NOT USED

HARDWARE GROUP NO. 43

For use on Door #(s):
B-206E

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP/HOLDER	WS45	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 44

For use on Door #(s):
A-330A A-149A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP/HOLDER	WS45	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 45

For use on Door #(s):
B-159A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 46 - NOT USED

HARDWARE GROUP NO. 47

For use on Door #(s):
C-237A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T AS REQ'D	630	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB [AS REQ'D]	689	IVE
2	EA	OH STOP	90S J	630	GLY
2	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

DOORS AND TRANSOM TO BE RABBETED.

HARDWARE GROUP NO. 48

For use on Door #(s):
A-330B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T AS REQ'D	630	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB [AS REQ'D]	689	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 49 - NOT USED

HARDWARE GROUP NO. 50

For use on Door #(s):
B-174B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	COMMUNICATING LOCK	9K7 W 14D	626	BES
1	EA	OH STOP & HOLDER	90H	630	GLY
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 51 - NOT USED

HARDWARE GROUP NO. 52

For use on Door #(s):
B-154A D-248A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	ELECTRIFIED LOCKSET	9K7 DEU 14D RQE	626	BES
1	EA	OH STOP	90S	630	GLY
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	AI PHONE	BY ACCESS CONTROL PROVIDER		
1	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. VALID CREDENITAL OR AI PHONE AT RECEPTION DESNK MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO LOCKSET) SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 53

For use on Door #(s):

A-100B A-125B C-223A D-275B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	OH STOP	100S	630	GLY
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	SURF. AUTO OPERATOR	4642 TBWMS 120 VAC	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	WEATHER RING	8310-801		LCN
1	EA	ACTUATOR, TOUCH	8310-853T	630	LCN
1	EA	ACTUATOR, TOUCH	8310-855	630	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-4RL [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

UNLOCKED HOURS: PRESSING EITHER ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPEN DOOR.

LOCKED HOURS: VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR AND ACTIVATES EXTERIOR ACTUATOR. WHEN ACTIVE, PRESSING EXTERIOR ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR. INTERIOR ACTUATOR ALWAYS ACTIVE. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACTS FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

DUAL ACTUATOR (8310-855) IN VESTIBULE SHARED FOR EXTERIOR AND INTERIOR VESTIBULE DOOR.

HARDWARE GROUP NO. 54

For use on Door #(s):
B-152D

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	OH STOP	100S	630	GLY
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	SURF. AUTO OPERATOR	4642 TBWMS 120 VAC	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	WEATHER RING	8310-801		LCN
2	EA	ACTUATOR, TOUCH	8310-853T	630	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	AI PHONE	BY ACCESS CONTROL PROVIDER		
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-4RL [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

UNLOCKED HOURS: PRESSING EITHER ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPEN DOOR.

LOCKED HOURS: VALID CREDENTIAL OR AIPHONE AT RECEPTION DESK MOMENTARILY UNLOCKS DOOR AND ACTIVATES EXTERIOR ACTUATOR. WHEN ACTIVE, PRESSING EXTERIOR ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR. INTERIOR ACTUATOR ALWAYS ACTIVE. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACTS FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 55

For use on Door #(s):
D-246AC

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	OH STOP	100S	630	GLY
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	SURF. AUTO OPERATOR	4642 TBWMS 120 VAC	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	WEATHER RING	8310-801		LCN
1	EA	ACTUATOR, TOUCH	8310-853T	630	LCN
1	EA	ACTUATOR, TOUCH	8310-855	630	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	AI PHONE	BY ACCESS CONTROL PROVIDER		
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-4RL [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

UNLOCKED HOURS: PRESSING EITHER ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPEN DOOR.

LOCKED HOURS: VALID CREDENTIAL OR AIPHONE AT RECEPTION DESK MOMENTARILY UNLOCKS DOOR AND ACTIVATES EXTERIOR ACTUATOR. WHEN ACTIVE, PRESSING EXTERIOR ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR. INTERIOR ACTUATOR ALWAYS ACTIVE. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACTS FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 56

For use on Door #(s):
B-152B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	OH STOP	100S	630	GLY
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	SURF. AUTO OPERATOR	4642 TBWMS 120 VAC	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
2	EA	ACTUATOR, TOUCH	8310-818T	630	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	AI PHONE	BY ACCESS CONTROL PROVIDER		
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-4RL [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

UNLOCKED HOURS: PRESSING EITHER ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPEN DOOR.

LOCKED HOURS: VALID CREDENTIAL OR AIPHONE AT RECEPTION DESK MOMENTARILY UNLOCKS DOOR AND ACTIVATES EXTERIOR ACTUATOR. WHEN ACTIVE, PRESSING EXTERIOR ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR. INTERIOR ACTUATOR ALWAYS ACTIVE. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACTS FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 57

For use on Door #(s):
D-246AB

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	OH STOP	100S	630	GLY
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	SURF. AUTO OPERATOR	4642 TBWMS 120 VAC	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	ACTUATOR, TOUCH	8310-853T	630	LCN
1	EA	ACTUATOR	VESTIBULE ACTUATOR SPECIFIED WITH EXTERIOR VESTIBULE DOOR		
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	AI PHONE	BY ACCESS CONTROL PROVIDER		
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-4RL [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

UNLOCKED HOURS: PRESSING EITHER ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPEN DOOR.

LOCKED HOURS: VALID CREDENTIAL OR AIPHONE AT RECEPTION DESK MOMENTARILY UNLOCKS DOOR AND ACTIVATES EXTERIOR ACTUATOR. WHEN ACTIVE, PRESSING EXTERIOR ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR. INTERIOR ACTUATOR ALWAYS ACTIVE. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACTS FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

DUAL ACTUATOR (8310-855) IN VESTIBULE SHARED FOR EXTERIOR AND INTERIOR VESTIBULE DOOR. (SPECIFIED WITH EXTERIOR VESTIBULE DOOR)

HARDWARE GROUP NO. 58

For use on Door #(s):
C-239D

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD EPT	628	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
1	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	OH STOP	100S	630	GLY
1	EA	SURF. AUTO OPERATOR	4642 TBWMS 120 VAC	689	LCN
2	EA	WEATHER RING	8310-801		LCN
2	EA	ACTUATOR, TOUCH	8310-853T	630	LCN
2	EA	ACTUATOR, TOUCH	8310-855	630	LCN
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
1	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS902 900-4RL [COORINATE WITH ACCESS CONTROL]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. DOOR CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

UNLOCKED HOURS: PRESSING EITHER ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR.

LOCKED HOURS: VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR AND ACTIVATES EXTERIOR ACTUATOR. WHEN ACTIVE, PRESSING EXTERIOR ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR. INTERIOR ACTUATOR ALWAYS ACTIVE. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

DUAL ACTUATOR (8310-855) IN VESTIBULE SHARED FOR EXTERIOR AND INTERIOR VESTIBULE DOOR.

HARDWARE GROUP NO. 59

For use on Door #(s):
B-219B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
2	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

LOCKED HOURS: VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR ALLOWING ACCESS. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACTS FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 60

For use on Door #(s):
B-221A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
2	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	AI PHONE	BY ACCESS CONTROL PROVIDER		
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

LOCKED HOURS: VALID CREDENTIAL OR AIPHONE AT RECEPTION DESK MOMENTARILY UNLOCKS DOOR ALLOWING ACCESS. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACTS FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 61

For use on Door #(s):
B-152A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
2	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	AI PHONE	BY ACCESS CONTROL PROVIDER		
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

LOCKED HOURS: VALID CREDENTIAL OR AIPHONE AT RECEPTION DESK MOMENTARILY UNLOCKS DOOR ALLOWING ACCESS. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACTS FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 62

For use on Door #(s):
C-228A C-234A D-263A D-270A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD EPT	628	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
1	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	RAIN DRIP	142AA	AA	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
1	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. DOOR CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

LOCKED HOURS: VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 63

For use on Door #(s):
B-219A C-239A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD	628	IVE
2	EA	DUMMY PUSH BAR	350	626	VON
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
2	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN

HARDWARE GROUP NO. 64

For use on Door #(s):
A-100A A-125A C-223B D-275A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD	628	IVE
2	EA	DUMMY PUSH BAR	350	626	VON
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	OH STOP	100S	630	GLY
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	SURF. AUTO OPERATOR	4642 TBWMS 120 VAC	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	ACTUATOR, TOUCH	8310-853T	630	LCN
1	EA	ACTUATOR	VESTIBULE ACTUATOR SPECIFIED WITH EXTERIOR VESTIBULE DOOR		
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: PRESSING EITHER ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR. FREE EGRESS AT ALL TIMES.

DUAL ACTUATOR (8310-855) IN VESTIBULE SHARED FOR EXTERIOR AND INTERIOR VESTIBULE DOOR. (SPECIFIED WITH EXTERIOR VESTIBULE DOOR)

HARDWARE GROUP NO. 65

For use on Door #(s):
C-239C

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD	628	IVE
1	EA	DUMMY PUSH BAR	350	626	VON
1	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	OH STOP	100S	630	GLY
1	EA	SURF. AUTO OPERATOR	4642 TBWMS 120 VAC	689	LCN
2	EA	ACTUATOR, TOUCH	8310-853T	630	LCN
2	EA	ACTUATOR	VESTIBULE ACTUATOR SPECIFIED WITH EXTERIOR VESTIBULE DOOR		
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: PRESSING EITHER ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR. FREE EGRESS AT ALL TIMES.

DUAL ACTUATOR (8310-855) IN VESTIBULE SHARED FOR EXTERIOR AND INTERIOR VESTIBULE DOOR. (SPECIFIED WITH EXTERIOR VESTIBULE DOOR)

HARDWARE GROUP NO. 66

For use on Door #(s):
D-246AA

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD	628	IVE
1	EA	DUMMY PUSH BAR	350	626	VON
1	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN

HARDWARE GROUP NO. 67

For use on Door #(s):
D-246AD

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD EPT	628	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
1	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
1	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS902 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. DOOR CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.
DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 68

For use on Door #(s):
B-152C C-239B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
2	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
2	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.
DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 69

For use on Door #(s):
A-300A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
2	EA	FIRE EXIT HARDWARE	9827-L-BE-F-LBR-17-499F	626	VON
2	EA	STRIKE	260UF AS REQ'D	US32D	VON
2	EA	OH STOP	90S J	630	GLY
2	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
2	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER
1	EA	ASTRAGAL	8193AA	AA	ZER

HARDWARE GROUP NO. 70 - NOT USED

HARDWARE GROUP NO. 71

For use on Door #(s):
A-102A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
2	EA	FIRE EXIT HARDWARE	9827-L-BE-F-LBR-17-499F	626	VON
2	EA	STRIKE	260UF AS REQ'D	US32D	VON
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
2	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER
1	EA	ASTRAGAL	8193AA	AA	ZER

HARDWARE GROUP NO. 72 - NOT USED

HARDWARE GROUP NO. 73

For use on Door #(s):
D-247A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-9827-DT-LBR 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-9827-NL-LBR 24 VDC	626	VON
2	EA	STRIKE	260U AS REQ'D	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	FIRE/LIFE WALL MAG	SEM7800 SERIES AS REQ'D	689	LCN
2	EA	SILENCER	SR64	GRY	IVE
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
2	EA	DOOR CONTACT	679-05WD/679-05HM AS REQ	BLK	SCE
1	EA	POWER SUPPLY	PS904 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY HELD OPEN. UPON LOSS OF POWER OR FIRE ALARM, MAGNETIC HOLD OPENS RELEASE, ALLOWING DOORS TO CLOSE, LOCK AND LATCH. FREE EGRESS AT ALL TIMES.

WHEN DOORS ARE CLOSED AND LOCKED: VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO PANIC DEVICE) SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

POWER SUPPLY TIED INTO FIRE ALARM SYSETM.

HARDWARE GROUP NO. 74

For use on Door #(s):
B-220A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	LOUVER	DRAINABLE LOUVER WITH INSERT SCREEN		
2	EA	CONT. HINGE	224HD	628	IVE
1	EA	PANIC HARDWARE	9849-EO	626	VON
1	EA	PANIC HARDWARE	9849-NL	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
2	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	RAIN DRIP	142AA	AA	ZER
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER

HARDWARE GROUP NO. 75

For use on Door #(s):
B-217A B-217B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
2	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	PANIC HARDWARE	CDSI-9827-DT-LBR	626	VON
1	EA	PANIC HARDWARE	CDSI-9827-NL-LBR	626	VON
2	EA	STRIKE	260U	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

DOORS AND TRANSOM TO BE RABBETED.

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, REINFORCEMENTS, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. 76 - NOT USED

HARDWARE GROUP NO. 77 - NOT USED

HARDWARE GROUP NO. 78

For use on Door #(s):
C-224A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
2	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	PANIC HARDWARE	CDSI-9827-DT-LBR	626	VON
1	EA	PANIC HARDWARE	CDSI-9827-NL-LBR	626	VON
2	EA	STRIKE	260U	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	SURFACE CLOSER	4040XP SHCUSH	689	LCN
2	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

DOORS AND TRANSOM TO BE RABBETED.

HARDWARE GROUP NO. 79

For use on Door #(s):
B-200A B-176A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1HW 5 X 4.5 (NRP AS REQ'D)	652	IVE
2	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	PANIC HARDWARE	CDSI-9827-DT-LBR	626	VON
1	EA	PANIC HARDWARE	CDSI-9827-NL-LBR	626	VON
2	EA	STRIKE	260U	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	SURFACE CLOSER	4040XP SHCUSH	689	LCN
2	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

DOORS AND TRANSOM TO BE RABBETED.

HARDWARE GROUP NO. 80

For use on Door #(s):
C-228B C-228C D-263B D-263C D-270B D-270C

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD	628	IVE
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	PANIC HARDWARE	CDSI-98-L-NL-17	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	FINGER GUARD	51A-90	A	ZER
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 81

For use on Door #(s):
A-142A A-142B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	PANIC HARDWARE	CDSI-98-L-NL-17	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP/HOLDER	WS45	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 82

For use on Door #(s):
C-240A C-240B C-240C

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
2	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	PANIC HARDWARE	CDSI-9827-DT-LBR	626	VON
1	EA	PANIC HARDWARE	CDSI-9827-NL-LBR	626	VON
2	EA	STRIKE	260U	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
2	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	WALL STOP/HOLDER	WS45	626	IVE
1	EA	THRESHOLD	BY WOOD FLOOR INSTALLER		B/O
2	EA	SILENCER	SR64	GRY	IVE

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

DOORS AND TRANSOM TO BE RABBETED.

INSTALL CLOSERS TO ALLOW DOORS TO SWING 180 DEGREES.

HARDWARE GROUP NO. 83

For use on Door #(s):
D-273A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD EPT	628	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	CD-RX-98-NL-OP-110MD	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
1	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	RAIN DRIP	142AA	AA	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
1	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	DOOR CONTACT	7764	628	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 84

For use on Door #(s):
B-222A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD	628	IVE
2	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	PANIC HARDWARE	CD-9849-EO	626	VON
1	EA	PANIC HARDWARE	CD-9849-NL-OP-110MD	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
2	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	RAIN DRIP	142AA	AA	ZER
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER

HARDWARE GROUP NO. 85

For use on Door #(s):
B-159B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	BI-FOLD DOOR HDW	100FD SERIES	628	JOH

HARDWARE GROUP NO. 86

For use on Door #(s):

A-142C	A-144E	A-144F	A-325B	A-144B	A-144C
A-144D	A-144G	A-144H	B-154C	B-154D	B-155B
B-182B	B-211B	B-212B	B-213B	B-214B	B-216B
B-217C	B-217D	C-243C	D-249B	D-252B	D-254B
D-256B					

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
	EA	NOTE	NO HARDWARE REQUIRED (BORROWED LITE)		

HARDWARE GROUP NO. 87

For use on Door #(s):
B-205A B-206D

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CYLINDER	RIM/MORTISE CYLINDER AS REQ'D	626	BES
		NOTE	BALANCE OF HARDWARE BY DOOR MFG		

HARDWARE GROUP NO. ALT-05

For use on Door #(s):
B-186A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PRIVACY SET	45H 0 L 14S VIN	626	BES
1	EA	OH STOP	90S J	630	GLY
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. ALT-08

For use on Door #(s):
B-190A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PRIVACY SET	45H 0 L 14S VIN	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. ALT-25

For use on Door #(s):
A-326A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	OH STOP	90S	630	GLY
3	EA	SILENCER	SR64	GRY	IVE

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. ALT-26

For use on Door #(s):
B-190B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	OH STOP	90S	630	GLY
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. ALT-27

For use on Door #(s):
A-319A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	OH STOP & HOLDER	90H	630	GLY
1	EA	SURFACE CLOSER	4041 DEL RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. ALT-28

For use on Door #(s):

A-123A	A-124A	A-128A	A-129A	A-130A	A-151A
A-313A	A-322A	A-328A	A-109A	B-198A	B-199A
B-201A	B-202A				

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	OH STOP & HOLDER	90H J	630	GLY
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. ALT-34

For use on Door #(s):

A-120A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4041 DEL SCUSH	689	LCN
1	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. ALT-38

For use on Door #(s):
A-116A A-135A A-140A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. ALT-42

For use on Door #(s):
A-108A A-117A A-136A A-307A A-314A A-321A
A-327A A-329A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP/HOLDER	WS45	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. ALT-46

For use on Door #(s):
B-221B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	CONST LATCHING BOLT	FB51T/FB61T AS REQ'D	630	IVE
1	EA	ELECTRIFIED LOCKSET	9K7 DEU 14D RQE	626	BES
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB [AS REQ'D]	689	IVE
2	EA	OH STOP	90S J	630	GLY
2	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
2	EA	DOOR CONTACT	679-05WD/679-05HM AS REQ	BLK	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. VALID CREDENITAL MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO LOCK SET) SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

DOORS AND TRANSOM TO BE RABBETED.

HARDWARE GROUP NO. ALT-49

For use on Door #(s):
B-207A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T AS REQ'D	630	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB [AS REQ'D]	689	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. ALT-50

For use on Door #(s):

A-108B	A-117B	A-129B	A-307B	A-313B	A-321B
A-328B	B-198B	B-201B	D-245B		

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	COMMUNICATING LOCK	9K7 W 14D	626	BES
1	EA	OH STOP & HOLDER	90H	630	GLY
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. ALT-51

For use on Door #(s):

A-124B	A-130B	A-303B	A-306B	A-329B	A-103B
A-107B					

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	COMMUNICATING LOCK	9K7 W 14D	626	BES
1	EA	WALL STOP/HOLDER	WS45	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. ALT-70

For use on Door #(s):
A-133A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
2	EA	PANIC HARDWARE	9827-L-BE-LBR-17	626	VON
2	EA	STRIKE	260U AS REQ'D	626	VON
2	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
2	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	WALL STOP/HOLDER	WS45	626	IVE
2	EA	SILENCER	SR64	GRY	IVE

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. ALT-72

For use on Door #(s):
A-118A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
2	EA	FIRE EXIT HARDWARE	9827-L-BE-F-LBR-17-499F	626	VON
2	EA	STRIKE	260UF AS REQ'D	US32D	VON
2	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
2	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER
1	EA	ASTRAGAL	8193AA	AA	ZER

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. ALT-76

For use on Door #(s):
B-184C B-184D

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
2	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	PANIC HARDWARE	CDSI-9827-DT-LBR	626	VON
1	EA	PANIC HARDWARE	CDSI-9827-NL-LBR	626	VON
2	EA	STRIKE	260U AS REQ'D	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	SURFACE CLOSER	4040XP SHCUSH	689	LCN
2	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

HARDWARE GROUP NO. ALT-77

For use on Door #(s):
B-184A B-184B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	PANIC HARDWARE	CDSI-98-L-NL-17	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	PA FLUSH PANEL ADAPTER	4040XP-419 SRT AS REQ'D	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

NOTE: VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE CORRECT STRIKES, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.

END OF SECTION

VOLUME ONE

SHEET INDEX

G GENERAL

G-101 COVER SHEET – VOLUME 1
G-102 SHEET INDEX – VOLUME 1

G-201 FIRST FLOOR LIFE SAFETY PLAN
G-202 SECOND FLOOR LIFE SAFETY PLAN

G-301 MOUNTING HEIGHTS, ABBREVIATIONS, AND SYMBOLOGY

C CIVIL

C-1.0 EXISTING TOPOGRAPHY & UTILITIES
C-1.1 DEMOLITION PLAN

C-2.0 SITE PLAN

C-3.0 STORM SEWER AND GRADING PLAN
C-3.1 SANITARY SEWER AND WATER MAIN PLAN

C-4.0 DETAILS & SPECIFICATIONS
C-4.1 DETAILS & SPECIFICATIONS
C-4.2 DETAILS & SPECIFICATIONS

C-5.0 STORM WATER POLLUTION PREVENTION PLAN

C-6.1 SWAPPP DETAILS & SPECIFICATIONS
C-6.2 SWAPPP DETAILS & SPECIFICATIONS

S STRUCTURAL

S-001 STRUCTURAL NOTES

S-201 FOUNDATION PLAN – UNIT "A"
S-202 FOUNDATION PLAN – UNIT "C"
S-203 FOUNDATION PLAN – UNIT "D"
S-204 SECOND FLOOR FRAMING PLAN – UNIT "A"
S-205 LOW/HIGH ROOF FRAMING PLAN – UNIT "B"
S-206 LOW/HIGH ROOF FRAMING PLAN – UNIT "C"
S-207 ROOF FRAMING PLAN – UNIT "D"
S-208 ROOF FRAMING PLAN – UNIT "A"
S-209 HIGH ROOF FRAMING PLAN – UNIT "C"

S-401 TYPICAL FOUNDATION DETAILS
S-402 STRUCTURAL FOUNDATION SECTIONS
S-403 TYPICAL MASONRY DETAILS
S-411 TYPICAL FRAMING DETAILS
S-412 STRUCTURAL FRAMING SECTIONS
S-413 STRUCTURAL FRAMING SECTIONS

A ARCHITECTURAL

AD-101 UNIT "A" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD-102 UNIT "A" ARCHITECTURAL SECOND FLOOR DEMOLITION PLAN
AD-103 UNIT "B" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN

A-101 UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN
A-102 UNIT "A" ARCHITECTURAL SECOND FLOOR PLAN
A-103 UNIT "B" ARCHITECTURAL FIRST FLOOR PLAN
A-104 UNIT "C" ARCHITECTURAL FIRST FLOOR PLAN
A-105 UNIT "D" ARCHITECTURAL FIRST FLOOR PLAN
A-120 PLAN DETAILS
A-121 PLAN DETAILS

A-201 OVERALL ARCHITECTURAL ROOF PLAN
A-210 TYPICAL ROOF DETAILS
A-211 TYPICAL ROOF DETAILS
AD-2 A-212 TYPICAL ROOF DETAILS

A-301 EXTERIOR ELEVATIONS
A-302 EXTERIOR ELEVATIONS
A-303 EXTERIOR ELEVATIONS
A-304 EXTERIOR ELEVATIONS

A-401 BUILDING SECTIONS
A-402 BUILDING SECTIONS
A-410 TYPICAL WALL TYPES
A-411 WALL SECTIONS
A-412 WALL SECTIONS
A-413 WALL SECTIONS
A-414 WALL SECTIONS
A-415 WALL SECTIONS
A-416 WALL SECTIONS
A-417 WALL SECTIONS
A-418 WALL SECTIONS
A-419 WALL SECTIONS
A-420 WALL SECTIONS
A-430 ENLARGED STAIR AND LIFT PLANS AND SECTIONS
A-431 STAIR SECTIONS

A-501 TYPICAL DETAILS
A-502 TYPICAL DETAILS

A-601 DOOR SCHEDULE, FRAME PROFILES, ELEVATIONS AND DETAILS
A-602 DOOR SCHEDULE, FRAME PROFILES, ELEVATIONS AND DETAILS
A-603 DOOR SCHEDULE, FRAME PROFILES, ELEVATIONS AND DETAILS
A-610 WINDOW AND STOREFRONT ELEVATIONS AND DETAILS
A-611 HOLLOW METAL ELEVATIONS AND DETAILS
A-612 WINDOW ELEVATIONS AND DETAILS

A-701 UNIT "A" FIRST FLOOR EQUIPMENT PLAN
A-702 UNIT "A" SECOND FLOOR EQUIPMENT PLAN
A-703 UNIT "B" FIRST FLOOR EQUIPMENT PLAN
A-704 UNIT "C" FIRST FLOOR EQUIPMENT PLAN
A-705 UNIT "D" FIRST FLOOR EQUIPMENT PLAN
A-710 ENLARGED RESTROOM PLANS
A-711 ENLARGED RESTROOM PLANS
A-720 CASEWORK SCHEDULE AND ELEVATIONS
A-721 CASEWORK SCHEDULE AND ELEVATIONS
A-722 MEDIA CENTER SHELVING AND ELEVATIONS
A-723 MILLWORK DETAILS

A-801 UNIT "A" FIRST FLOOR FINISH PLAN
A-802 UNIT "A" SECOND FLOOR FINISH PLAN
A-803 UNIT "B" FIRST FLOOR FINISH PLAN
A-804 UNIT "C" FIRST FLOOR FINISH PLAN
A-805 UNIT "D" FIRST FLOOR FINISH PLAN
A-810 FINISH SCHEDULE AND NOTES
A-840 GYM COURT MARKING PLAN
A-860 INTERIOR ELEVATIONS
A-861 INTERIOR ELEVATIONS
A-862 INTERIOR ELEVATIONS
A-863 INTERIOR ELEVATIONS

A-901 UNIT "A" FIRST FLOOR REFLECTED CEILING PLAN
A-902 UNIT "A" SECOND FLOOR REFLECTED CEILING PLAN
A-903 UNIT "B" FIRST FLOOR REFLECTED CEILING PLAN
A-904 UNIT "C" FIRST FLOOR REFLECTED CEILING PLAN
A-905 UNIT "D" FIRST FLOOR REFLECTED CEILING PLAN

K KITCHEN EQUIPMENT

K-100 FOODSERVICE EQUIPMENT GENERAL NOTES & SHEET INDEX
K-101 FOODSERVICE EQUIPMENT PLAN & SCHEDULE
K-102 FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN

K-200 FOODSERVICE EQUIPMENT SPOT LOCATION SCHEDULES

K-300 FOODSERVICE EQUIPMENT PLUMBING PLAN
K-301 FOODSERVICE EQUIPMENT ELECTRICAL PLAN

K-400 WALK-IN COOLER/FREEZER DRAWING, DETAILS & SCHEDULE

K-500 EXHAUST VENTILATION SYSTEM DRAWING, DETAILS & SCHEDULE
K-501 EXHAUST VENTILATION SYSTEM DRAWING, DETAILS & SCHEDULE
K-502 EXHAUST VENTILATION SYSTEM DRAWING, DETAILS & SCHEDULE

K-600 FOODSERVICE EQUIPMENT DETAILS, ELEVATIONS & SECTIONS
K-601 FOODSERVICE EQUIPMENT DETAILS, ELEVATIONS & SECTIONS
K-602 FOODSERVICE EQUIPMENT DETAILS, ELEVATIONS & SECTIONS
K-603 FOODSERVICE EQUIPMENT DETAILS, ELEVATIONS & SECTIONS

VOLUME TWO

SHEET INDEX

G GENERAL

G-103 COVER SHEET – VOLUME 2
G-104 SHEET INDEX – VOLUME 2

M MECHANICAL

M-001 MECHANICAL NOTES, SYMBOLS & ABBREVIATIONS

MD101 UNIT "A" MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD102 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE MECHANICAL DEMOLITION PLANS
MD103 UNIT "B" MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD104 UNIT "B" MECHANICAL ENLARGED DEMOLITION PIPING PLAN

MV-101 UNIT "A" MECHANICAL FIRST FLOOR VENTILATION PLAN
MV-102 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE MECHANICAL VENTILATION PLANS
MV-103 UNIT "B" MECHANICAL FIRST FLOOR VENTILATION PLAN
MV-104 UNIT "C" MECHANICAL FIRST FLOOR VENTILATION PLAN
MV-105 UNIT "D" MECHANICAL FIRST FLOOR VENTILATION PLAN

MP-101 UNIT "A" MECHANICAL FIRST FLOOR PIPING PLAN
MP-102 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE MECHANICAL PIPING PLAN
MP-103 UNIT "B" MECHANICAL FIRST FLOOR PIPING PLAN
MP-104 UNIT "C" MECHANICAL FIRST FLOOR PIPING PLAN
MP-105 UNIT "D" MECHANICAL FIRST FLOOR PIPING PLAN
MP-106 UNIT "B" MECHANICAL ENLARGED PIPING PLAN

M-201 MECHANICAL HVAC ROOF PLAN

M-501 MECHANICAL SCHEDULES
M-502 MECHANICAL SCHEDULES

M-601 MECHANICAL CHEDULES, DETAILS & DIAMRAMS
M-602 MECHANICAL DETAILS & DIAMRAMS
M-603 MECHANICAL DETAILS & DIAMRAMS

P PLUMBING

P-001 PLUMBING SCHEDULE, NOTES, SYMBOLS & ABBREVIATIONS

PD-101 UNIT "A" PLUMBING FIRST FLOOR DEMOLITION PLAN
PD-102 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE PLUMBING DEMOLITION PLANS
PD-103 UNIT "B" PLUMBING FIRST FLOOR DEMOLITION PLAN

P-101 UNIT "A" PLUMBING UNDERGROUND PLAN
P-102 UNIT "A" PLUMBING FIRST FLOOR PLAN
P-103 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE PLUMBING PLANS
P-104 UNIT "B" PLUMBING UNDERGROUND PLAN
P-105 UNIT "B" PLUMBING FIRST FLOOR PLAN
P-106 UNIT "C" PLUMBING UNDERGROUND PLAN
P-107 UNIT "C" PLUMBING FIRST FLOOR PLAN
P-108 UNIT "D" PLUMBING UNDERGROUND PLAN
P-109 UNIT "D" PLUMBING FIRST FLOOR PLAN

P-601 PLUMBING DETAILS & DIAGRAMS
P-602 PLUMBING DETAILS & DIAGRAMS
P-603 PLUMBING RISER DIAGRAMS

FP FIRE PROTECTION

FP-001 FIRE PROTECTION PLANS, DETAILS & DIAGRAMS

E ELECTRICAL

E-001 ELECTRICAL SYMBOLS
E-002 ELECTRICAL SITE PLAN

ED-101 UNIT "A" ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED-102 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE ELECTRICAL DEMOLITION PLANS
ED-103 UNIT "B" ELECTRICAL FIRST FLOOR DEMOLITION PLAN

EL101 UNIT "A" ELECTRICAL FIRST FLOOR LIGHTING PLAN
EL102 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE ELECTRICAL LIGHTING PLANS
EL103 UNIT "B" ELECTRICAL FIRST FLOOR LIGHTING PLAN
EL104 UNIT "C" ELECTRICAL FIRST FLOOR LIGHTING PLAN
EL105 UNIT "D" ELECTRICAL FIRST FLOOR LIGHTING PLAN

EP101 UNIT "A" ELECTRICAL FIRST FLOOR POWER PLAN
EP102 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE ELECTRICAL POWER PLANS
EP103 UNIT "B" ELECTRICAL FIRST FLOOR POWER PLAN
EP104 UNIT "C" ELECTRICAL FIRST FLOOR POWER PLAN
EP105 UNIT "D" ELECTRICAL FIRST FLOOR POWER PLAN

EP201 ELECTRICAL POWER ROOF PLAN

EP401 ENLARGED ELECTRICAL FIRST FLOOR POWER PLAN
EP402 ENLARGED ELECTRICAL POWER PLANS

E501 ELECTRICAL ONE-LINE, DETAILS & DIAGRAMS
E502 ELECTRICAL SCHEDULES, NOTES, DETAILS & DIAGRAMS
E503 ELECTRICAL DETAILS & DIAGRAMS
E504 ELECTRICAL DETAILS & NOTES
E505 ELECTRICAL NOTES

E601 ELECTRICAL SCHEDULES
E602 ELECTRICAL SCHEDULES
E603 ELECTRICAL SCHEDULES
E604 ELECTRICAL SCHEDULES
E605 ELECTRICAL SCHEDULES
E606 ELECTRICAL SCHEDULES
E607 ELECTRICAL SCHEDULES

T TELECOMMUNICATIONS

T-001 TELECOMMUNICATIONS LEGEND

TS-100 TELECOMMUNICATIONS SITE PLAN
TS-501 TELECOMMUNICATIONS SITE PLAN DETAILS

TD100 TELECOMMUNICATIONS OVERALL FIRST FLOOR DEMO PLAN
TD101 UNIT "A" TELECOMMUNICATIONS FIRST FLOOR DEMO PLAN
TD102 UNIT "A" TELECOMMUNICATIONS SECOND FLOOR DEMO PLAN
TD103 UNIT "B" TELECOMMUNICATIONS FIRST FLOOR DEMO PLAN

T-100 OVERALL TELECOMMUNICATIONS FIRST FLOOR PLAN
T-101 UNIT "A" TELECOMMUNICATIONS FIRST FLOOR PLAN
T-102 UNIT "A" TELECOMMUNICATIONS SECOND FLOOR PLAN
T-103 UNIT "B" TELECOMMUNICATIONS FIRST FLOOR PLAN
T-104 UNIT "C" TELECOMMUNICATIONS FIRST FLOOR PLAN
T-105 UNIT "D" TELECOMMUNICATIONS FIRST FLOOR PLAN

T-401 TELECOMMUNICATIONS ROOM B-215 ENLARGED DETAILS
T-401A TELECOMMUNICATIONS ROOM B-215 ENLARGED DETAILS
T-402 TELECOMMUNICATIONS ROOM A-111 ENLARGED DETAILS
T-403 TELECOMMUNICATIONS ROOM A-308 ENLARGED DETAILS
T-404 TELECOMMUNICATIONS ROOM C-237A ENLARGED DETAILS
T-405 TELECOMMUNICATIONS ROOM D-259 ENLARGED DETAILS

T-501 OUTLET DETAILS
T-502 OUTLET DETAILS
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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PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

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DATE 02/07/22
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DRAWING
SHEET INDEX - VOLUME 1

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET
G-102

Friday, 2/25/2022 – 3:15 PM – LAST SAVED BY:MMULLEN
Y:\21-112 CROWN POINT CSC – TIMOTHY BALL ES ADDITION AND RENOVATIONS\21-112 DRAWINGS\02 GENR\G-102 VOL.1.DWG

VOLUME ONE

SHEET INDEX

G GENERAL

G-101 COVER SHEET – VOLUME 1
G-102 SHEET INDEX – VOLUME 1

G-201 FIRST FLOOR LIFE SAFETY PLAN
G-202 SECOND FLOOR LIFE SAFETY PLAN

G-301 MOUNTING HEIGHTS, ABBREVIATIONS, AND SYMBOLOGY

C CIVIL

C-1.0 EXISTING TOPOGRAPHY & UTILITIES
C-1.1 DEMOLITION PLAN

C-2.0 SITE PLAN

C-3.0 STORM SEWER AND GRADING PLAN
C-3.1 SANITARY SEWER AND WATER MAIN PLAN

C-4.0 DETAILS & SPECIFICATIONS
C-4.1 DETAILS & SPECIFICATIONS
C-4.2 DETAILS & SPECIFICATIONS

C-5.0 STORM WATER POLLUTION PREVENTION PLAN

C-6.1 SWAPPP DETAILS & SPECIFICATIONS
C-6.2 SWAPPP DETAILS & SPECIFICATIONS

S STRUCTURAL

S-001 STRUCTURAL NOTES

S-201 FOUNDATION PLAN – UNIT "A"
S-202 FOUNDATION PLAN – UNIT "C"
S-203 FOUNDATION PLAN – UNIT "D"
S-204 SECOND FLOOR FRAMING PLAN – UNIT "A"
S-205 LOW/HIGH ROOF FRAMING PLAN – UNIT "B"
S-206 LOW/HIGH ROOF FRAMING PLAN – UNIT "C"
S-207 ROOF FRAMING PLAN – UNIT "D"
S-208 ROOF FRAMING PLAN – UNIT "A"
S-209 HIGH ROOF FRAMING PLAN – UNIT "C"

S-401 TYPICAL FOUNDATION DETAILS
S-402 STRUCTURAL FOUNDATION SECTIONS
S-403 TYPICAL MASONRY DETAILS
S-411 TYPICAL FRAMING DETAILS
S-412 STRUCTURAL FRAMING SECTIONS
S-413 STRUCTURAL FRAMING SECTIONS

A ARCHITECTURAL

AD-101 UNIT "A" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD-102 UNIT "A" ARCHITECTURAL SECOND FLOOR DEMOLITION PLAN
AD-103 UNIT "B" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN

A-101 UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN
A-102 UNIT "A" ARCHITECTURAL SECOND FLOOR PLAN
A-103 UNIT "B" ARCHITECTURAL FIRST FLOOR PLAN
A-104 UNIT "C" ARCHITECTURAL FIRST FLOOR PLAN
A-105 UNIT "D" ARCHITECTURAL FIRST FLOOR PLAN
A-120 PLAN DETAILS
A-121 PLAN DETAILS

A-201 OVERALL ARCHITECTURAL ROOF PLAN
A-210 TYPICAL ROOF DETAILS
A-211 TYPICAL ROOF DETAILS
AD-2 A-212 TYPICAL ROOF DETAILS

A-301 EXTERIOR ELEVATIONS
A-302 EXTERIOR ELEVATIONS
A-303 EXTERIOR ELEVATIONS
A-304 EXTERIOR ELEVATIONS

A-401 BUILDING SECTIONS
A-402 BUILDING SECTIONS
A-410 TYPICAL WALL TYPES
A-411 WALL SECTIONS
A-412 WALL SECTIONS
A-413 WALL SECTIONS
A-414 WALL SECTIONS
A-415 WALL SECTIONS
A-416 WALL SECTIONS
A-417 WALL SECTIONS
A-418 WALL SECTIONS
A-419 WALL SECTIONS
A-420 WALL SECTIONS
A-430 ENLARGED STAIR AND LIFT PLANS AND SECTIONS
A-431 STAIR SECTIONS

A-501 TYPICAL DETAILS
A-502 TYPICAL DETAILS

A-601 DOOR SCHEDULE, FRAME PROFILES, ELEVATIONS AND DETAILS
A-602 DOOR SCHEDULE, FRAME PROFILES, ELEVATIONS AND DETAILS
A-603 DOOR SCHEDULE, FRAME PROFILES, ELEVATIONS AND DETAILS
A-610 WINDOW AND STOREFRONT ELEVATIONS AND DETAILS
A-611 HOLLOW METAL ELEVATIONS AND DETAILS
A-612 WINDOW ELEVATIONS AND DETAILS

A-701 UNIT "A" FIRST FLOOR EQUIPMENT PLAN
A-702 UNIT "A" SECOND FLOOR EQUIPMENT PLAN
A-703 UNIT "B" FIRST FLOOR EQUIPMENT PLAN
A-704 UNIT "C" FIRST FLOOR EQUIPMENT PLAN
A-705 UNIT "D" FIRST FLOOR EQUIPMENT PLAN
A-710 ENLARGED RESTROOM PLANS
A-711 ENLARGED RESTROOM PLANS
A-720 CASEWORK SCHEDULE AND ELEVATIONS
A-721 CASEWORK SCHEDULE AND ELEVATIONS
A-722 MEDIA CENTER SHELVING AND ELEVATIONS
A-723 MILLWORK DETAILS

A-801 UNIT "A" FIRST FLOOR FINISH PLAN
A-802 UNIT "A" SECOND FLOOR FINISH PLAN
A-803 UNIT "B" FIRST FLOOR FINISH PLAN
A-804 UNIT "C" FIRST FLOOR FINISH PLAN
A-805 UNIT "D" FIRST FLOOR FINISH PLAN
A-810 FINISH SCHEDULE AND NOTES
A-840 GYM COURT MARKING PLAN
A-860 INTERIOR ELEVATIONS
A-861 INTERIOR ELEVATIONS
A-862 INTERIOR ELEVATIONS
A-863 INTERIOR ELEVATIONS

A-901 UNIT "A" FIRST FLOOR REFLECTED CEILING PLAN
A-902 UNIT "A" SECOND FLOOR REFLECTED CEILING PLAN
A-903 UNIT "B" FIRST FLOOR REFLECTED CEILING PLAN
A-904 UNIT "C" FIRST FLOOR REFLECTED CEILING PLAN
A-905 UNIT "D" FIRST FLOOR REFLECTED CEILING PLAN

K KITCHEN EQUIPMENT

K-100 FOODSERVICE EQUIPMENT GENERAL NOTES & SHEET INDEX
K-101 FOODSERVICE EQUIPMENT PLAN & SCHEDULE
K-102 FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN

K-200 FOODSERVICE EQUIPMENT SPOT LOCATION SCHEDULES

K-300 FOODSERVICE EQUIPMENT PLUMBING PLAN
K-301 FOODSERVICE EQUIPMENT ELECTRICAL PLAN

K-400 WALK-IN COOLER/FREEZER DRAWING, DETAILS & SCHEDULE

K-500 EXHAUST VENTILATION SYSTEM DRAWING, DETAILS & SCHEDULE
K-501 EXHAUST VENTILATION SYSTEM DRAWING, DETAILS & SCHEDULE
K-502 EXHAUST VENTILATION SYSTEM DRAWING, DETAILS & SCHEDULE

K-600 FOODSERVICE EQUIPMENT DETAILS, ELEVATIONS & SECTIONS
K-601 FOODSERVICE EQUIPMENT DETAILS, ELEVATIONS & SECTIONS
K-602 FOODSERVICE EQUIPMENT DETAILS, ELEVATIONS & SECTIONS
K-603 FOODSERVICE EQUIPMENT DETAILS, ELEVATIONS & SECTIONS

VOLUME TWO

SHEET INDEX

G GENERAL

G-103 COVER SHEET – VOLUME 2
G-104 SHEET INDEX – VOLUME 2

M MECHANICAL

M-001 MECHANICAL NOTES, SYMBOLS & ABBREVIATIONS

MD101 UNIT "A" MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD102 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE MECHANICAL DEMOLITION PLANS
MD103 UNIT "B" MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD104 UNIT "B" MECHANICAL ENLARGED DEMOLITION PIPING PLAN

MV-101 UNIT "A" MECHANICAL FIRST FLOOR VENTILATION PLAN
MV-102 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE MECHANICAL VENTILATION PLANS
MV-103 UNIT "B" MECHANICAL FIRST FLOOR VENTILATION PLAN
MV-104 UNIT "C" MECHANICAL FIRST FLOOR VENTILATION PLAN
MV-105 UNIT "D" MECHANICAL FIRST FLOOR VENTILATION PLAN

MP-101 UNIT "A" MECHANICAL FIRST FLOOR PIPING PLAN
MP-102 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE MECHANICAL PIPING PLAN
MP-103 UNIT "B" MECHANICAL FIRST FLOOR PIPING PLAN
MP-104 UNIT "C" MECHANICAL FIRST FLOOR PIPING PLAN
MP-105 UNIT "D" MECHANICAL FIRST FLOOR PIPING PLAN
MP-106 UNIT "B" MECHANICAL ENLARGED PIPING PLAN

M-201 MECHANICAL HVAC ROOF PLAN

M-501 MECHANICAL SCHEDULES
M-502 MECHANICAL SCHEDULES

M-601 MECHANICAL CHEDULES, DETAILS & DIAMRAMS
M-602 MECHANICAL DETAILS & DIAMRAMS
M-603 MECHANICAL DETAILS & DIAMRAMS

P PLUMBING

P-001 PLUMBING SCHEDULE, NOTES, SYMBOLS & ABBREVIATIONS

PD-101 UNIT "A" PLUMBING FIRST FLOOR DEMOLITION PLAN
PD-102 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE PLUMBING DEMOLITION PLANS
PD-103 UNIT "B" PLUMBING FIRST FLOOR DEMOLITION PLAN

P-101 UNIT "A" PLUMBING UNDERGROUND PLAN
P-102 UNIT "A" PLUMBING FIRST FLOOR PLAN
P-103 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE PLUMBING PLANS
P-104 UNIT "B" PLUMBING UNDERGROUND PLAN
P-105 UNIT "B" PLUMBING FIRST FLOOR PLAN
P-106 UNIT "C" PLUMBING UNDERGROUND PLAN
P-107 UNIT "C" PLUMBING FIRST FLOOR PLAN
P-108 UNIT "D" PLUMBING UNDERGROUND PLAN
P-109 UNIT "D" PLUMBING FIRST FLOOR PLAN

P-601 PLUMBING DETAILS & DIAGRAMS
P-602 PLUMBING DETAILS & DIAGRAMS
P-603 PLUMBING RISER DIAGRAMS

FP FIRE PROTECTION

FP-001 FIRE PROTECTION PLANS, DETAILS & DIAGRAMS

E ELECTRICAL

E-001 ELECTRICAL SYMBOLS
E-002 ELECTRICAL SITE PLAN

ED-101 UNIT "A" ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED-102 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE ELECTRICAL DEMOLITION PLANS
ED-103 UNIT "B" ELECTRICAL FIRST FLOOR DEMOLITION PLAN

EL101 UNIT "A" ELECTRICAL FIRST FLOOR LIGHTING PLAN
EL102 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE ELECTRICAL LIGHTING PLANS
EL103 UNIT "B" ELECTRICAL FIRST FLOOR LIGHTING PLAN
EL104 UNIT "C" ELECTRICAL FIRST FLOOR LIGHTING PLAN
EL105 UNIT "D" ELECTRICAL FIRST FLOOR LIGHTING PLAN

EP101 UNIT "A" ELECTRICAL FIRST FLOOR POWER PLAN
EP102 UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE ELECTRICAL POWER PLANS
EP103 UNIT "B" ELECTRICAL FIRST FLOOR POWER PLAN
EP104 UNIT "C" ELECTRICAL FIRST FLOOR POWER PLAN
EP105 UNIT "D" ELECTRICAL FIRST FLOOR POWER PLAN

EP201 ELECTRICAL POWER ROOF PLAN

EP401 ENLARGED ELECTRICAL FIRST FLOOR POWER PLAN
EP402 ENLARGED ELECTRICAL POWER PLANS

E501 ELECTRICAL ONE-LINE, DETAILS & DIAGRAMS
E502 ELECTRICAL SCHEDULES, NOTES, DETAILS & DIAGRAMS
E503 ELECTRICAL DETAILS & DIAGRAMS
E504 ELECTRICAL DETAILS & NOTES
E505 ELECTRICAL NOTES

E601 ELECTRICAL SCHEDULES
E602 ELECTRICAL SCHEDULES
E603 ELECTRICAL SCHEDULES
E604 ELECTRICAL SCHEDULES
E605 ELECTRICAL SCHEDULES
E606 ELECTRICAL SCHEDULES
E607 ELECTRICAL SCHEDULES

T TELECOMMUNICATIONS

T-001 TELECOMMUNICATIONS LEGEND

TS-100 TELECOMMUNICATIONS SITE PLAN
TS-501 TELECOMMUNICATIONS SITE PLAN DETAILS

TD100 TELECOMMUNICATIONS OVERALL FIRST FLOOR DEMO PLAN
TD101 UNIT "A" TELECOMMUNICATIONS FIRST FLOOR DEMO PLAN
TD102 UNIT "A" TELECOMMUNICATIONS SECOND FLOOR DEMO PLAN
TD103 UNIT "B" TELECOMMUNICATIONS FIRST FLOOR DEMO PLAN

T-100 OVERALL TELECOMMUNICATIONS FIRST FLOOR PLAN
T-101 UNIT "A" TELECOMMUNICATIONS FIRST FLOOR PLAN
T-102 UNIT "A" TELECOMMUNICATIONS SECOND FLOOR PLAN
T-103 UNIT "B" TELECOMMUNICATIONS FIRST FLOOR PLAN
T-104 UNIT "C" TELECOMMUNICATIONS FIRST FLOOR PLAN
T-105 UNIT "D" TELECOMMUNICATIONS FIRST FLOOR PLAN

T-401 TELECOMMUNICATIONS ROOM B-215 ENLARGED DETAILS
T-401A TELECOMMUNICATIONS ROOM B-215 ENLARGED DETAILS
T-402 TELECOMMUNICATIONS ROOM A-111 ENLARGED DETAILS
T-403 TELECOMMUNICATIONS ROOM A-308 ENLARGED DETAILS
T-404 TELECOMMUNICATIONS ROOM C-237A ENLARGED DETAILS
T-405 TELECOMMUNICATIONS ROOM D-259 ENLARGED DETAILS

T-501 OUTLET DETAILS
T-502 OUTLET DETAILS
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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PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

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PROJECT 21-112
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DRAWING
SHEET INDEX - VOLUME 2

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SHEET
G-104

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EXISTING CONSTRUCTION

1. The contractor shall field verify the dimensions, elevations, etc. necessary for the proper construction and alignment of the new portions of the work to the existing work. The Contractor shall make all necessary measurements for fabrication and erection of the structural members. Any discrepancy shall be immediately brought to the attention of the Structural Engineer of Record.
2. Before proceeding with any work within the existing facility, the Contractor shall familiarize himself with existing structural and other conditions. Any shoring shown or noted on the Plans is a partial and schematic representation of that required. It shall be the Contractor's responsibility to provide all necessary bracing, shoring, and other safeguards to maintain all parts of the work in a safe condition during the progress of demolition and construction, and to protect from damage those portions of the existing work which are to remain. Shoring shall remain in place until the structural work is complete, has been inspected by the Testing Agency, and is certified to be in substantial compliance with the Contract Documents.
3. When required by the Specifications or by Plan Note, the Contractor shall submit for the Structural Engineer of Record's review, a "Proposed Shoring Plan," including, but not limited to: plans, sections, details, notes, description of proposed sequence of work, and calculations prepared by, or under the supervision of a Specialty Structural Engineer (SSE). The SSE shall be registered in the State where the project is located.
4. Welding to and within an existing facility presents potential hazards including:
   - A. Fire Hazard - Due to the existing construction and building contents.
   - B. Structural Liquefaction - Due to welding across the full section of the structural members.

   Recommendations to prevent these hazards include:
   - A. Fire Hazard - Protect existing combustibles prior to welding. Keep a separate watchman and several fire extinguishers on hand.
   - B. Structural Liquefaction - weld in small increments. Allow welds to harden before continuing to the next increment.
   - C. Do not leave the site until satisfied that no fire hazard exists.
   - D. Preference should be given to the use of beam clamps, mechanical fasteners, or bolted connections in lieu of welding within existing facilities, whenever possible. Do not field-drill existing structural members without the written permission of the Structural Engineer of Record.

COORDINATION WITH OTHER TRADES

1. The Contractor shall coordinate and check all dimensions relating to Architectural finishes, mechanical equipment and openings, elevator shafts and overrides, etc. and notify the Architect/Engineer of any discrepancies before proceeding with any work in the area under question.
2. The Structural Drawings shall be used in conjunction with the Drawings of all other disciplines and the Specifications. The Contractor shall verify the requirements of other trades as to sleeves, chases, hangers, inserts, anchors, holes, and other items to be placed or set in the Structural Work.
3. There shall be no vertical or horizontal sleeves set, or holes cut or drilled in any beam or column unless it is shown on the Structural Drawings or approved in writing by the Structural Engineer of Record.
4. Mechanical and electrical openings through supported slabs and walls, 8" diameter or larger, not shown on the Structural Drawings must be approved by the Structural Engineer of Record (SER). Openings less than 8" in diameter shall have at least 1'-0" clear between openings, unless approved in writing by the SER.
5. Verify locations and dimensions of mechanical and electrical openings through supported slabs and walls shown on the Structural Drawings with the Mechanical and Electrical Contractors.
6. Do not install conduit in supported slabs, slabs on grade, or concrete walls unless explicitly shown or noted on the Structural Drawings.
7. Do not suspend any items, such as ductwork, mechanical or electrical fixtures, ceilings, etc. from steel roof deck or wood roof sheathing.
8. The Mechanical Contractor shall verify that mechanical units supported by the steel framing are capable of spanning the distance between the supporting members indicated on the Structural Drawings. The Mechanical Contractor shall supply additional support framing as required.
9. If drawings and specifications are in conflict, the most stringent restrictions and requirements shall govern.

GENERAL NOTES

1. The Contractor shall be responsible for complying with all safety precautions and regulations during the work. The Structural Engineer of Record will not advise on, nor issue direction as to safety precautions and programs.
2. The Structural Drawings herein represent the finished structure. The Contractor shall provide all temporary guying and bracing required to erect and hold the structure in proper alignment until all Structural Work and connections have been completed. The investigation, design, safety, adequacy and inspection of erection bracing, shoring, temporary supports, etc. is the sole responsibility of the Contractor.
3. The Structural Engineer of Record (SER) shall not be responsible for the methods, techniques and sequences are not specifically shown, similar details of construction shall be used, subject to approval of the SER.
4. Drawings indicate general and typical details of construction. Where conditions are not specifically shown, similar details of construction shall be used, subject to approval of the Structural Engineer of Record.
5. All structural systems which are to be composed of components to be field erected shall be supervised by the Supplier during manufacturing, delivery, handling, storage, and erection in accordance with the Supplier's instructions and requirements.
6. Loading applied to the structure during the process of construction shall not exceed the safe load-carrying capacity of the structural members. The live loading used in the design of this structure are indicated in the "Design Criteria Notes." Do not apply any construction loads until structural framing is properly connected together and until all temporary bracing is in place.
7. All ASTM and other referenced standards and codes are for the latest editions of these publications, unless otherwise noted.
8. Shop drawings and other items shall be submitted to the Structural Engineer of Record (SER) for review prior to fabrication. All Shop Drawings shall be reviewed by the Contractor before submittal. The SER's review is to be fore conformance with the design concept and general compliance with the relevant Contract Documents. The SER's review does not relieve the Contractor of the sole responsibility to review, check, and coordinate the Shop Drawings prior to submission. The Contractor remains solely responsible for errors and omissions associated with the preparation of Shop Drawings as they pertain to member sizes, details, dimensions, etc.
9. Submit Shop Drawings in the form of blueline/blackline prints (min. 2 sets/ max. 5 sets) and one reproducible blackline or sepia copy. In no case shall reproductions of the Contract Documents be used as shop drawings. As a minimum, submit the following items for review.
   - A. Concrete Mix Design(s).
   - B. Reinforcing Steel Shop Drawings.
   - C. Structural Steel Shop Drawings.
   - D. Steel Joist Shop Drawings.
   - E. Steel Deck Shop Drawings.
   - F. Cold-Formed Steel Framing Systems.
10. Resubmitted Shop Drawings: Resubmitted shop drawings are reviewed only for responses to comments made in the previous submittal.
11. When calculations are included in the submittals for components of work designed and certified by a Specialty Structural Engineer (SSE), the review by the Structural Engineer of Record (SER) shall be for conformance with the relevant Contract Documents. The SER's review does not relieve the SSE from responsibility for the design of the system(s) and the coordination with the elements of the structure under the certification of the SER, or other SSE's. The SER's review does not constitute a warranty of the accuracy or completeness of the SSE's design.
12. Contractors shall visit the site prior to bid to ascertain conditions which may adversely affect the work or cost thereof.
13. No structural member may be cut, notched, or otherwise reduced in strength without written direction from the Structural Engineer of Record.
14. When modifications are proposed to structural elements under the design and certification of a Specialty Structural Engineer (SSE), written authorization by the SSE must be obtained and submitted to the Structural Engineer of Record for review, prior to performing the proposed modification.

SPECIALTY STRUCTURAL ENGINEERING (SSE)

1. A Specialty Structural Engineer is defined as a Professional Engineer licensed in the State of Indiana, not the Structural Engineer of Record, who performs Structural Engineering functions necessary for the structure to be completed and who has shown experience and/or training in the specific speciality.
2. It is the Specialty Structural Engineer's responsibility to review the Construction Drawings and Specifications to determine the appropriate scope of engineering.
3. It is the intent of the Drawings and Specifications to provide sufficient information for the Specialty Structural Engineer (SSE) to perform his design and analysis. If the SSE determines there are details, features, or unanticipated project limits which conflict with the engineering requirements as described in the project documents, the SSE shall in a timely manner, contact the Structural Engineer of Record for resolution of conflicts.
4. The Specialty Structural Engineer (SSE) shall forward documents to the Structural Engineer of Record for review. Such documents shall bear the stamp of the SSE and include:
   - A) Drawings introducing engineering input, such as defining the configuration or structural capacity of structural components and/or their assembly into structural systems.
   - B) Calculations.
   - C) Computer printouts which are an acceptable substitute for manual calculations provided they are accompanied by sufficient design assumptions and identified input and output information to permit their proper evaluation. Such information shall bear the stamp of the Specialty Engineer as an indication that said engineer has accepted responsibility for the results.
5. Contractors are referred to the specific technical specification sections and the structural drawings for those elements requiring Specialty Structural Engineering. Examples of components requiring Specialty Structural Engineering include, but are not limited to the following:
   - A) Structural Steel Connections.
   - B) Steel Joist Systems.
   - C) Steel Stairs.
   - D) Acoustical Steel Decks.
   - E) Cold-Formed Steel Framing.
6. When modifications are proposed to elements under the design and certification of the Specialty Structural Engineer (SSE), written authorization by the SSE must be obtained and submitted to the Engineer of Record for review, prior to performing the proposed modification.

DESIGN CRITERIA

1. DESIGN STANDARDS: The intended design standards and/or criteria are as follows:

General	The 2014 Indiana Building Code (2012 International Building Code (IBC) with Indiana Amendments)
Concrete	ACI 318
Masonry	ACI 530
Steel	AISC Manual, Allowable Stress Design (ASD)
Steel Joists	Steel Joist Institute
Steel Deck	Steel Deck Institute
Cold-Formed Metal	AISI-ASD

   All referenced standards and codes, as well as ASTM numbers, are for the editions of these publications referenced in the Building Code listed above, unless otherwise noted.

2. DEAD LOADS: Gravity Dead Loads used in the design of the structure are as computed for the materials of construction incorporated into the building, including but not limited to walls, floors, ceilings, stairways, fixed partitions, finishes, cladding and other similar architectural and structural items, as well as mechanical, electrical and plumbing equipment and fixtures, and material handling and fixed service equipment, including the weight of cranes.
3. LIVE LOADS: Gravity live loads used in the design of the structure meet, or exceed the following table (IBC 2012, 1607.1):

OCCUPANCY OR USE	UNIFORM (PSF)	CONCENTRATED (LB) [Note #1]
A. Schools		
1. Classrooms	40	
2. First Floor Corridors	100	
3. Mechanical Mezzanine	100	

   Note #1: Unless otherwise noted, the indicated concentrated load has been assumed to be uniformly distributed over an area of 30" x 30".
4. PARTITION ALLOWANCE: a uniform partition allowance of 15 PSF has been used to account for the load of all floors where partition locations are subject to change, unless the specified live load exceeds 80 PSF.
5. COLLATERAL LOAD: Unless otherwise noted, a minimum uniform collateral load of 10 PSF has been used to account for ductwork, ceilings, sprinklers, lighting, etc. The collateral load is in addition to the weight of mechanical units, larger piping (greater than 4" diameter) and suspended fixtures or equipment that have been specifically accounted for in the design.
6. COLLATERAL LOAD ABOVE CORRIDORS & MECHANICAL ROOMS: A minimum uniform collateral load of 20 PSF has been used to account for large ductwork, sprinkler mains, concentrations of piping, and electrical distribution above corridors and mechanical rooms. The collateral load is in addition to the weight of mechanical units and larger piping (greater than 4" diameter) and suspended fixtures or equipment that have been specifically accounted for in the design.
7. CONCENTRATED LOADS:
   All single panel points of the lower chord of exposed roof trusses or any point along the primary structural members supporting roofs over manufacturing, commercial storage and warehousing, and commercial garage floors shall be capable of carrying safely a suspended concentrated load of not less than 2000 LBS in addition to dead load.
   All single panel points of the lower chord of exposed roof trusses or any point along the primary structural members supporting roofs over all other occupancies shall be capable of carrying safely a suspended concentrated load of not less than 200 LBS in addition to dead load, unless noted.
8. HANDRAILS AND GUARDS
   - A. Handrail Assemblies and Guards — 50 PLF applied in any direction 200 LB concentrated load applied in any direction (non-concurrent with 50 PLF load)
   - B. Components, Intermediate Rails, Balusters, Fillers, Etc. — 50 LBS horizontally applied normal load on an area not to exceed 1 square foot not superimposed with those of handrail assemblies.
9. ROOF LIVE/SNOW LOADS: Gravity Live Loads used in the design of the roof structure meet or exceed the following table:

A. Snow Load	
Ground Snow Load, Pg	25 PSF
Flat Roof Snow Load, Pf	22 PSF
Low Slope Minimum Snow Load, Pm	20 PSF
Exposure Factor, Ce	1.0
Risk Category (IBC Table 1604.5)	III
Snow Importance Factor, Is	1.10
Thermal Factor, Ct	1.0
B. Minimum Roof Live Load	25 PSF
C. Overhang Eaves & Projections	60 PSF

   1. Sloped roof snow loads calculated in accordance with Section 7.4, ASCE 7.
   2. Unbalanced roof snow loads calculated in accordance with Section 7.6, ASCE 7. Specialty Structural Engineers must consider unbalanced snow loads in the design of pre-engineered trusses, frames, skylights, curtain walls, cold-formed metal framing, canopies, etc.
   3. Drift loads calculated in accordance with Section 7.7, ASCE 7.
10. LATERAL LOADS: Lateral loads were computed using the following criteria:

A. Wind Load	
Ultimate Design Wind Speed, Vult	120 MPH
Nominal Design Wind Speed, Vasd	89 MPH
Wind Exposure Category	C
Risk Category (IBC Table 1604.5)	III
Internal Pressure Coefficient, GCpi	± 0.18
B. Seismic Load	
Site Classification	D
Risk Category (IBC Table 1604.5)	III
Seismic Importance Factor, Ie	1.25
Mapped Spectral Response Acceleration, Ss	0.130g
Mapped Spectral Response Acceleration, S1	0.066g
Design Spectral Response Acceleration, Sds	0.138g
Design Spectral Response Acceleration, Sd1	0.105g
Seismic Design Category, SDC	B
Response Modification Coefficient, R	3

11. SAFETY FACTORS: This structure has been designed with 'Safety Factors' in accordance with accepted principles of structural engineering. The fundamental nature of the 'Safety Factor' is to compensate for uncertainties in the design, fabrication, and erection of structural building components. It is intended that ' Safety Factors' be used such that the load-carrying capacity of the structure does not fall below the design load and that the building will perform under design load without distress. While the use of 'Safety Factors' implies some excess capacity beyond design load, such excess capacity cannot be adequately predicted and SHALL NOT BE RELIED UPON.

FOUNDATIONS

1. Proofroll slab on grade areas with a medium-weight roller or other suitable equipment to check for pockets of soft material hidden beneath a thin crust of better soil. Any unsuitable materials thus exposed should be removed and replaced with compacted, engineered fill as outlined in the specifications. Proofrolling operations shall be monitored by the Geotechnical Testing Agency.
2. All engineered fill beneath slabs and over footings should be compacted to a dry density of at least 93% of the Modified Proctor maximum dry density (ASTM D-1557). All fill which shall be stressed by foundation loads shall be approved granular materials compacted to a dry density of at least 95% (ASTM D-1557). Coordinate all fill and compaction operations with the Specifications and the Subsurface Investigation.
3. Compaction shall be accomplished by placing fill in approximate 8" lifts and mechanically compacting each lift to at least the specified minimum dry density. For large areas of fill, field density tests shall be performed for each 3,000 square feet of building area for each lift as necessary to insure adequate compaction is being achieved.
4. Column footings and wall footings to bear on firm natural soils or well-compacted engineered fill with allowable bearing pressures of 3,000 PSF and 2,500 PSF for column and wall footings respectively, as outlined in the Subsurface Investigation Report.
   It is essential that the foundations be inspected to insure that all loose, soft, or otherwise undesirable material (such as organics, existing uncontrolled fill, etc.) is removed and that the foundations will bear on satisfactory material. The Geotechnical Testing Agency shall inspect the subgrade and perform any necessary tests to insure that the actual bearing capacities meet or exceed the design capacities. The Geotechnical Testing Agency shall verify the bearing capacity at each spread column footing and every 10 feet on center for strip footings prior to placement of concrete.
5. Place footings the same day the excavation is performed. If this is not possible, the footings shall be adequately protected against any detrimental change in condition, such as from disturbance, rain, or freezing.
6. It is the responsibility of the Contractor and each Sub-Contractor to verify the location of all utilities and services shown, or not shown; and establish safe working conditions before commencing work.
7. The Contractor shall layout the entire building and field verify all dimensions prior to excavation.
8. For information regarding subsurface conditions, refer to the Subsurface Investigation & Foundation Recommendation Report prepared by Professional Service Industries, Inc., PSI Project No. 00474865, dated November 23, 2021.

POST-INSTALLED DOWELS & ANCHOR BOLTS/RODS

1. All reinforcing steel and threaded rod anchors to be installed in a 2-part chemical anchoring system shall be treated as follows:
   - A. Drill holes larger than bar or rod to be embedded. Coordinate hole diameter with Manufacturer's recommendations.
   - B. Holes must be cleaned and prepared in accordance with Manufacturer's recommendations.
   - C. When reinforcing steel is encountered during drilling for installation of anchors; stop drilling, use a sensor to locate the reinforcing in the surrounding area and install anchor(s) as close as possible to the original location. Contact the Structural Engineer of Record (SER) for direction when the revised location is more than 2" from the original location, or when the original function of the anchorage is significantly altered. When in doubt, contact the SER for direction.
   - D. Drill the hole a minimum of 15 bar diameters or as shown on the plans.
   - E. Use a 2-part adhesive anchoring system, Hilti HY-200, or approved equal.
   - F. For anchorage into hollow substrate, use Hilti HY-270, or approved equal.
   - G. Reinforcing steel dowels shall be ASTM A615, Grade 60, unless noted.
   - H. Anchor rods shall be Hilti HAS-V-36, unless noted. Provide finish as noted on the Drawings. If not noted, provide hot-dip galvanized finish for interior applications. Provide stainless steel finish for all exterior applications, unless noted.
2. When column anchor bolts have been omitted, or damaged by construction operations, the Contractor must obtain the written approval of the Structural Engineer of Record prior to repair or replacement.
   - A. As a precaution, the affected column must be guyed and braced after repair for the balance of the erection period.
   - B. As an alternate to guying and bracing, the Contractor may at his option, employ a testing agency to perform a tensile pull test to confirm the strength for the repaired or replaced anchor bolt. The tensile proof load must exceed 1.33 x the design load of the original anchor without causing distress of the anchor bolt or the surrounding concrete. Reference the following table for the minimum proof loads:

3/4" diameter:	12.8 kips
7/8" diameter:	17.4 kips
1" diameter:	22.7 kips
1 1/8" diameter:	28.8 kips
1 1/4" diameter:	35.6 kips

     Note: Values listed above are for ASTM F-1554, Grade 36 material. When higher grade or strength materials are specified, refer to the AISC Steel Design Guide 1, Table 3.1 for minimum allowable loads to be multiplied by 1.33.
   - C. When affected anchor bolts are part of a fixed moment resisting column base, such as those in moment-resisting space frames, canopies, or fixed-base installations, the repaired anchor bolts must be proof-loaded, or the affected column footing and/or pier replaced in its entirety.
   - D. When affected anchor bolts are part of a braced frame the affected column footing and/or pier must be replaced in its entirety.
   - E. Prior to erection, the controlling Contractor must provide written notification to the Steel Erector if there has been a repair, replacement or modification of the anchor bolts for that column.

STRUCTURAL STEEL NOTES

1. Structural steel construction shall conform to the American Institute of Steel Construction "Specification for Structural Steel Buildings".
2. All structural wide flange members shall be ASTM A992, Fy=50 ksi
3. All plates, channels, bars, angles, and rods shall be ASTM A36, unless noted.
4. All rectangular structural tube members shall be ASTM A500, Grade C, Fy = 50 ksi unless noted.
5. All round structural tube members shall be ASTM A500, Grade C, Fy = 46 ksi unless noted.
6. All structural pipe members shall be ASTM A53,Grade B, Fy=35 ksi unless noted.
7. Details for design, fabrication and erection of all structural steel shall be in accordance with the latest AISC Standards, unless otherwise noted or specified.
8. Provide temporary erection guying and bracing as required.
9. Unless otherwise shown or noted on the Drawings, provide 8" minimum bearing each end for all loose lintels and beams.
10. For loose lintels, masonry shelf angles and other such items generally not shown on the Structural Drawings, refer to the Architectural Drawings. See general notes on lintels this sheet for sizes, reinforcing, etc.
11. Steel columns below grade shall be encased in a minimum of 4" concrete or painted with 2 coats of asphaltum paint, unless otherwise shown.
12. Fabricate simple span beams not specifically noted to receive camber so that after erection, any minor camber due to rolling or shop assembly be upward.
13. Refer to the Division 5 Structural Steel Specification of the Project Manual for structural steel surface preparations and prime painting requirements.
14. The Erector shall shim between parallel roof beams and joists with differential mill and induced cambers for level deck bearing.
15. Provide cap plates/end plates to close off exposed, open ends of all tubular members, unless noted. Seal weld with partial penetration square groove welds for watertight condition.

STEEL DECK NOTES

1. All steel deck material, fabrication and installation shall conform to the Steel Deck Institute "SDI SHORT FORM SPECIFICATIONS" and "SDI CODE OF STANDARD PRACTICE," current edition, unless noted.
2. Provide members for deck support at all deck span changes. Provide L3x3x3/16 deck support at all columns where required.
3. All deck shall be provided in a minimum of 3-span lengths where possible.
4. All welding of steel deck shall be in conformance with AWS Specification D1.3. Provide welding washers for all floor decks less than 22 gauge in thickness.
5. Mechanical fasteners may be used in lieu of welding, providing fasteners meet, or exceed the strength of specified welds. Submit fastener design data to the Structural Engineer of Record for review.
6. Substitution of fiber secondary reinforcement for welded wire fabric on supported slabs is prohibited.
7. Do not suspend any items, such as ductwork, mechanical and electrical fixtures, ceilings, etc. from steel deck.
8. Roof deck sidelaps shall be attached at ends of cantilevers and at a maximum spacing 12" o.c. from cantilevered roof deck ends. The roof deck must be completely fastened to the supports and at the sidelaps before any load is applied to the cantilever.
9. Submit shop drawings for review of general conformance to design concept in accordance with Specifications in the Project Manual. Erection drawings shall show type of deck, shop finish, accessories, method of attachment, edge details, deck openings and reinforcement, and sequence of installation.
10. Installation holes shall be sealed with a closure plate 2 gauges thicker than deck and mechanically fastened to deck. Steel deck holes visible from below will be rejected. Deck units that are bent, warped, or damaged in any way which would impair the strength and appearance of the deck shall be removed from the site.
11. Where gauge metal pourstops are indicated, supply pourstops designed to meet, or exceed the gauges listed in the SDI Pourstop Selection Table (min. 18 ga.) as required for slab depth, concrete weight, and cantilever distance, unless noted otherwise.
12. The Erector shall shim between parallel roof beams and joists with differential mill and induced cambers for level deck bearing.

LOAD BEARING WALL CMU LINTEL SCHEDULE

LINTEL MARK	UNIT	DEPTH	BOTTOM REINF.	TOP REINF.	STIRRUPS (SIZE/SPC.)	LOOSE LINTELS AT BRICK LOCATIONS
CMU-L1	14"	16"	(2) #8	(2) #8	#3 @ 8"o.c.	L7x4x3/8 (LLH)

NOTES:
1. REFER TO DETAIL 8/S-403 FOR ADDITIONAL INFORMATION AND FOR CMU LINTELS LOCATED IN NON-LOAD BEARING WALLS.
2. VERTICAL CONTROL JOINTS MUST BE LOCATED AT LEAST 8" OFF OF JAMB OF OPENING. REFER TO DETAIL 3/S-403.
3. COORDINATE ALL DIMENSIONS TO LOCATE AND DEFINE OPENINGS w/ ARCHITECTURAL DRAWINGS (HEIGHT, WIDTH, LOCATION, ETC.).

AD-2

STEEL CONNECTION NOTES

1. Typical beam-to-beam and beam-to-column connections shall be bearing type using A325 bolts, unless noted otherwise.
2. Shop connections unless otherwise shown, may be either bolted or welded. All field connections shall be bolted unless otherwise shown on the Structural Drawings.
3. Connections shall be designed by the Steel Fabricator to support the reactions shown on the framing plan(s). Simple span connections without reactions listed on the Structural Drawings shall be designed by the Steel Fabricator in accordance with Table 3-6 of the AISC "Manual of Steel Construction, 14th Edition". For composite beams where reactions are not indicated, design connections for 75% of the Maximum Total Uniform Load ASD value for the applicable beam size and span given in Table 3-6. For non-composite beams, design connections for 50% of the tabulated ASD value.
4. Submit calculations for connections not detailed on the Structural Drawings and not covered by the AISC Tables, including but not limited to:
   - A) Column Splices.
   - B) Moment Connections.
   - C) Bracing Connections including Collectors and Drag Struts.
   - D) Skewed Shear Connections.
   - E) Girder and Truss Splices.
   - F) Truss-to-Column and Truss-to-Truss Connections.
   - G) Truss Web-to-Chord and Web-to-Gusset Connections.
   - H) Compression Ring/Tension Ring, and Raker Beam Connections.
5. All beam-to-beam connections shall be double angle, unless shown or noted otherwise.
6. All beam-to-column connections shall be at the column centerline, unless noted otherwise. Shear tab connections to tubes are permitted unless otherwise noted or detailed.
7. Typical beam-to-beam, and beam-to-column field-bolted connections may be tightened to the snug-tight condition, unless otherwise shown or noted.
8. Bolted connections in moment frames, bracing connections, hangers and stub columns, crane connections, and those designated PT (pretensioned) on the Drawings shall be pretensioned joints utilizing tension-control (TC) bolts or direct tension indicators. Holes for PT bolts shall be 1/16" larger than the bolt diameter. All pretensioned joints must be inspected by the Testing Agency.
9. Connect bracing members for two components of stress unless otherwise approved by the Structural Engineer of Record. Provide a minimum 2-bolt or welded field connection.
10. Locate centerlines of all vertical bracing members on column centerlines in vertical plane and on column and beam centerlines in horizontal plane, unless otherwise shown on the Structural Drawings.
11. All welding shall be in conformance with AWS D1.1, using E70XX electrodes, unless shown or noted otherwise. Welding, both shop and field, shall be performed by welders certified for the weld types and positions involved according to the current edition of AWS D1.1. Perform all AESS welds with care to provide a clean, uniform appearance.
12. Backup bars required for welded connections shall be continuous.
13. Holes in steel shall be drilled or punched. All slotted holes shall be provided with smooth edges. Burning of holes in structural steel shall not be allowed without approval of the Structural Engineer of Record.
14. The minimum thickness of all connection material shall be 5/16" unless noted.
15. Continuous bent plate and angle closures, roof edges, diaphragm chords, etc. around perimeter of the floor and roof, as well as around openings shall be welded with a minimum 1/4" fillet weld x 3" long at 12" o.c., top & bottom, unless noted otherwise. Butt weld joints in continuous diaphragm chord for continuity. For continuous perimeter angles and bent plates perpendicular to and connected to the top chords of joists, provide a minimum 3" of 1/4" weld at each joist. Continuous angle and bent plate closures may be shop-applied to the supporting structural members only when requested and approved by Structural Engineer of Record.
16. Where steel beams are called to have wood nailers supporting wood floor or roof framing, provide 1/2" diameter carriage bolts spaced at 24" on center and staggered each side of the beam web, unless noted otherwise. Carriage bolts may be over-tightened to compress the rounded head in the nailer to facilitate installation of continuous band/rim joists, rafters, trusses, etc.
17. A qualified independent Testing Agency shall be retained to perform inspection and testing of structural steel field weldaments as follows:

WELD INSPECTION SCHEDULE

WELD TYPE	VT	MT	UT	PT	CRT	COMMENTS
FILLET (SINGLE PASS)	25%	-	-	-	-	ROOT PASS AND FINISHED WELD
FILLET (MULTIPLE PASS)	50%	25%	-	-	-	
FLARE BEVEL/ FLARE V	25%	-	-	-	-	
GROOVE (PARTIAL PENETRATION)	100%	-	100%	-	-	REFERENCE NOTE 'E' BELOW
GROOVE (FULL PENETRATION)	100%	-	100%	-	-	ALL FULL PENE-TRATION WELDS

- A) Test procedures:
  - VT = Visual Test (inspection)
  - MT = Magnetic Particle Test: ASTM E109, cracks or incomplete fusion or penetration not acceptable.
  - UT = Ultrasonic Test: ASTM E164.
  - PT = Penetrant Test: ASTM E165.
  - RT = Radiographic Test: ASTM E94 and ASTM E142, min. quality level 2-21.
- B) Acceptance standards in AWS D1.1 shall be followed for each test procedure.
- C) Test procedures may be substituted to meet feasibility requirements of test based upon weld geometry or other factors with the approval of the Structural Engineer of Record.
- D) Samples shall occur at random locations; additional tests may be required at locations noted on the Drawings.
- E) Groove welds include square, bevel, V, U, and J grooves including single and double pass types.
- F) Partial penetration square groove welds at end seal plates of tubular members do not require inspection.
- G) Weld Procedure Specifications (WPS) shall be produced and maintained in accordance with AWS D1.1. The independent Testing Agency shall have access to all WPS's during the course of testing and inspection.
- H) For highly-restrained welded joints, especially in thick plates and/or heavy structural shapes, details the welds so that shrinkage occurs as much as possible in the direction the steel was rolled. Refer to the AISC Manual for preferred welded-joint arrangements that reduce the possibility for lamellar tearing. Members scheduled to receive highly-restrained connections shall be tested by the independent Testing Agency by Ultrasonic Testing prior to commencing welding.
- I) In addition to inspection requirements for fillet welds in Table above, 100% of field welding of diagonal bracing members to gusset plates shall be visually inspected (VT).

STEEL JOIST NOTES

1. All steel joists shall be designed, fabricated, and erected in accordance with SJI Standard Specifications.
2. Joist bridging (if shown) is schematically indicated. Provide all bridging necessary to conform to SJI Specifications.
3. The ends of all bridging lines terminating at walls or beams shall be anchored to the wall or beam.
4. Joist bridging and connections shall be completely installed prior to placing any construction loads on the joists. Construction loading shall not exceed the joist design load.
5. All roof joists shall be capable of resisting the net uplift a noted on the Structural Drawings (min. 15 psf net). Provide an additional row of continuous horizontal bottom chord bridging at the first panel point location at each end of all roof joists.
6. Special joists (SP) shall be designed for the load designations specified on the Structural Drawings. Designs shall properly account for the distribution of concentrated loads, live loads, and for the effect of openings. Designs are to meet the requirements of SJI.
7. Joists shall meet the following deflection criteria per SJI. Maximum live load deflection shall not exceed:
   - A) Roofs without suspended ceilings: L/240
   - B) Roof with suspended ceilings: L/360
   - C) Floors: L/360
8. The Joist Manufacturer shall submit calculations for all special joists to Structural Engineer of Record for record purposes prior to fabrication. These calculations shall bear the seal and signature of a Professional Engineer registered in the State of Indiana.
9. Joists on column centerlines shall have extended bottom chord connections for erection stability, unless otherwise noted. Do not connect bottom chord extensions, unless otherwise noted or shown.
10. Joists on, or near column centerlines shall have field-bolted connections for erection stability, unless otherwise noted.
11. The Joist Manufacturer shall coordinate with the Structural Steel Fabricator for the design of all connections to support columns, beams, bearing seats, etc. prior to submittal of shop drawings.
12. Where a joist is part of a moment-resisting frame, delay the connection of the bottom chord to the column until all dead loads have been placed. All field-bolted and field-welded connections in moment-resisting frames shall be inspected per AWS and AISC requirements.
13. The Joist Manufacturer shall furnish evidence that the joist meets or exceeds the specified minimum moment of inertia (Ix) listed on the Plans. Where a minimum Ix value is not specified, the Ix value can be that required to meet the specified loading and deflection criteria.
14. All steel joists shall be furnished with standard SJI camber, unless noted otherwise.
15. All items suspended from joists such as catwalks, basketball goals, operable partitions, etc. should be installed after all dead loads of roofing, flooring, ceilings, etc. are installed.
16. All joists shall be shop primed in accordance with SJI requirements, unless note otherwise. Color to match structural steel primer, unless approved in writing.
17. Provide sloped bearing ends where joist slope exceeds 1/4" per foot.
18. Do not field cut or alter joists without the written approval of the Joist Manufacturer.

CAST IN PLACE CONCRETE

1. Details of fabrication of reinforcement, handling and placing of the concrete, construction of forms and placement of reinforcement not otherwise covered by the Plans and Specifications, shall comply with the ACI Code requirements of the latest revised date.
2. Cold weather concreting shall be in accordance with ACI 306. Cold weather is defined as a period when for more than 3 successive days the average daily air temperature drops below 40F and stays below 50F. The Contractor shall maintain a copy of this publication on site.
3. Hot weather concreting shall be in accordance with ACI 305. Hot weather is defined as any combination of the following conditions that tends to impair the quality of the freshly mixed or hardened concrete: high ambient temperature, high concrete temperature, low relative humidity, wind speed, or solar radiation The Contractor shall maintain a copy of this publication on site.
4. A certified Testing Agency shall be retained to perform industry standard testing including measurement of slump, air temperature, concrete cylinder testing, etc. to ensure conformance with the Contract Documents. Submit reports to Architect/Engineer.
5. Finishing of Slabs: After screeding, bull floating and floating operations have been completed, apply final finish as indicated below, and as described in the Division 3 Cast In Place Concrete Specification of the Project Manual.
   - A. Floor Slabs — Hard Trowel Finish
   - B. Ramps, Stairs, & Sidewalks — Broom Finish
   - C. Surfaces to Receive Topping Slab — Float Finish
   - D. Surfaces to receive thick-set mortar beds or similar cementitious materials — Float Finish
   - E. Driving Surfaces — Rough Swirl Finish

   Sample Finishes: See Specifications for sample and mockup requirements, if any.

   Floor Tolerances: See the Specifications for specified Ff and Fl tolerances. Ff and Fl testing shall be performed by the Testing Agency in accordance with ASTM E-1155. Results, including acceptance or rejection of the work will be provided to the Contractor and the Architect/Engineer within 48 hours after data collection. Remedies for out-of-tolerance work shall be in accordance with the Specifications. When approved by the Structural Engineer of Record, measurement of the gaps beneath a 10-foot straight edge may be used in lieu of Ff and Fl testing. Approval must be obtained in writing prior to the beginning of concrete operations.
6. Finishing of Formed Surfaces: Finish formed surfaces as indicated below, and as described in the Division 3 Cast In Place Concrete Specification of the Project Manual.
   - A. Sides of Footings & Pile Caps — Rough Form Finish
   - B. Sides of Grade Beams — Rough Form Finish
   - C. Surfaces not exposed to public view — Rough Form Finish
   - D. Surfaces exposed to public view — Smooth Form Finish
7. The Contractor shall consult with the Structural Engineer of Record before starting concrete work to establish a satisfactory placing schedule and to determine the location of construction joints so as to minimize the effects of shrinkage in the floor system.
8. Sawn or tooled control/contraction joints shall be provided in all slabs on grade. For a framed structure, joints shall be located on all column lines. If the column spacing exceeds 20'-0", provide intermediate joints. Exterior slabs, and interior slabs without column shall have joints spaced a maximum of 15'-0" apart. Layout joints so that maximum aspect ratio (ratio of long side to short side) does not exceed 1.5.
9. Where vinyl composition tile, vinyl sheets goods, thin-set epoxy terrazzo, or other similar material is the specified finish floor material, the Contractor shall coordinate the locations of control/contraction and construction joints with the Finish Flooring Contractor. Submit a dimensioned plan showing joint locations and proposed sequence of floor pours.
10. Unless specifically noted on the Plans, composite and non-composite supported slabs on metal deck, and supported cast-in-place concrete slabs do not require sawn control joints.
11. Joints in slabs to receive a finished floor may remain unfilled, unless required by the finish flooring contractor. All exposed slabs shall be filled with sealant specified in Division 7, or as follows: All slabs in industrial, manufacturing, or warehouse applications subject to wheeled traffic shall be filled with specified epoxy resin sealant, all other joints shall be filled with specified elastometric sealant. Defer filling of joints as long as possible, preferably a minimum of 4 to 6 weeks after the slab has been cured. Prior to filling, remove all debris from the slab joints, the fill in accordance with the manufacturer's recommendations.
12. Refer to the Architectural Drawings for locations and details of reveals (1" maximum depth) in exposed walls.
13. Refer to the Architectural Drawings for chamfer requirements for corners of concrete. Where not indicated, provide 3/4" chamfers on exposed corners of concrete, except those abutting masonry.
14. Refer to the Architectural Drawings for exact locations and dimensions of recessed slabs, ramps, stairs, thickened slabs, etc. Slope slabs to drains where shown on the Architectural and Plumbing Drawings.
15. Sidewalks, drives, exterior retaining walls, and other site concrete are not indicated on the Structural Drawings. Refer to the Site/Civil and Architectural Drawings for locations, dimensions, elevations, jointing, and finish details.

CONCRETE REINFORCING

1. Reinforcement, other than cold drawn wire for spirals and welded wire fabric, shall have deformed surfaces in accordance with ASTM A305.
2. Reinforcing steel shall conform to ASTM A615, Grade 60, unless noted.
3. Welded wire fabric shall conform to ASTM A1064, unless noted.
4. Where hooks are indicated, provide standard hooks per ACI and CRSI for all bars unless other hook dimensions are shown on the plans or details.
5. Reinforcement in footings, walls and beams shall be continuous. Lap bars a minimum of 40 diameters, unless noted otherwise.
6. Reinforcement shall be supported and secured against displacement in accordance with the CRSI 'Manual of Standard Practice'.
7. Details of reinforcing steel fabrication and placement shall conform to ACI 315 'Details and Detailing of Concrete Reinforcement' and ACI 315R 'Manual of Engineering and Placing Drawings for Reinforced Concrete Structures', unless otherwise indicated.
8. Spread reinforcing steel around small openings and sleeves in slabs and walls, where possible, and where bar spacing will not exceed 1.5 times the normal spacing. Discontinue bars at all large openings where necessary, and provide an area of reinforcement, equal to the interrupted reinforcement, in full length bars, distributing one-half each side of the opening. Where shrinkage and temperature reinforcement is interrupted, add (2) #5 x opening dimension + 4'-0" on each side of the opening. Provide #5 x 4'-0" long diagonal bars in both faces, at each corner of openings larger than 12" in any direction.
9. Provide standees for the support of top reinforcement for footings, pile caps, and mats.
10. Provide individual high chairs with support bars, as required for the support of top reinforcement for supported slabs. Do NOT provide standees.
11. Provide snap-on plastic space wheels to maintain required concrete cover for vertical wall reinforcement.
12. Where walls sit on column footings, provide dowels for the wall. Dowels shall be the same size and spacing as the vertical wall reinforcement, unless noted otherwise, with lab splices as shown on the application sections. Install dowels in the footing forms before concrete is placed. Do NOT stick dowels into footings after concrete is placed.
13. Field bending of reinforcing steel is prohibited, unless noted on drawings.
14. Minimum concrete cover over reinforcing steel shall be as follows, unless noted otherwise on plan, section or note:

REINFORCED MASONRY NOTES

1. All construction of reinforced masonry walls to be in accordance with the Building Code Requirements for Concrete Masonry Structures (ACI 530) and Commentary.
   - A) f'm = 2000 PSI
   - B) Maximum height of masonry lift: 5'-0"
   - C) Maximum height of grout lift: 5'-0"
   - D) See Specifications for additional masonry wall information.
2. CONCRETE BLOCK: Minimum compressive test strength on the net cross-sectional area: 2800 PSI.
3. MORTAR: Type S required.
4. GROUT: ASTM C476, 2500 PSI with a slump of 8" min. and 11" max.
5. REINFORCING: fy = 60000 PSI with a min. lap of 48 bar diameters.

LINTEL SCHEDULE

1. Where lintels are not specifically shown or noted on the Structural or Architectural Drawings, provide the following lintels over all openings and recesses in both interior and exterior non-load-bearing walls.
   - A) Brick:

Masonry Opening	Angle Size
Up to 5'-0"	L4x4x5/16
Over 5'-0" & up to 7'-0"	L6x4x5/16
Over 7'-0"	L7x4x3/8

     All angles are LLV (long leg vertical), unless noted otherwise. Provide 1" of bearing per foot of span each end with minimum 8".
   - B) Block: For openings up to 8'-0" long exposed in the finished room, use lintel block filled with grout. Grout all exposed joints and reinforce as follows:
     1) For 6" thick block: 1 - #5 bar
     2) For 8" thick block: 2 - #5 bars
     3) For 10" thick block: 2 - #6 bars
     4) For 12" thick block: 2 - #6 bars
   - C) Block: For openings over 8'-0" & up to 12'-0" long exposed in the finished room, use lintel block filled with grout. Grout all exposed joints and reinforce per the "Long Masonry Lintel Detail" on the Typical Masonry Detail Drawing.
   - D) Block (stack bond openings over 4'-0"): See framing plans for steel beam lintels. Where not shown on plan, the criteria in the following table shall be used. Contact Structural Engineer of Record for lintels not shown on plan which do not meet this criteria. See architectural drawings for opening quantities, sizes, locations, heights of wall above, etc.

Block 't'	LINTEL	WIDTH OF OPENING	MAX. ALLOW. HEIGHT OF CMU ABOVE LINTEL
6"	C8x11.5 w/ CONTIN. PL 3/8 x 5	≤ 8'-0"	30'-0"
		≤ 12'-0"	8'-0"
8"	W8x13 w/ CONTIN. PL 3/8 x7	≤ 8'-0"	30'-0"
		≤ 12'-0"	8'-0"
10"	W8x13 w/ CONTIN. PL 3/8 x 9	≤ 8'-0"	25'-0"
		≤ 12'-0"	8'-0"
12"	W8x28 w/ CONTIN. PL 3/8 x11	≤ 8'-0"	40'-0"
		≤ 12'-0"	18'-0"

AD-2

CONCRETE MIX CLASSES

FOOTINGS, FOUNDATION WALLS, PIERS, & GRADE BEAMS	
COMPRESSIVE STRENGTH	4000 PSI
MAXIMUM WATER/CEMENT RATIO	0.45
AIR CONTENT	0 - 3 PERCENT
WATER-REDUCING ADMIXTURE	REQUIRED
SLUMP	5" TO 6 1/2"
INTERIOR CONCRETE SLABS	
COMPRESSIVE STRENGTH	4000 PSI
MINIMUM CEMENTITIOUS MATERIAL CONTENT	517 LB/CU YD
AIR CONTENT	0 - 3 PERCENT
WATER-REDUCING ADMIXTURE	REQUIRED
SLUMP	5" TO 6 1/2"
EXTERIOR CONCRETE SUBJECT TO FREEZE-THAW	
COMPRESSIVE STRENGTH	4000 PSI
MINIMUM CEMENTITIOUS MATERIAL CONTENT	564 LB/CU YD
AIR CONTENT	6 ± 1 PERCENT
WATER-REDUCING ADMIXTURE	REQUIRED
SLUMP	5" TO 6 1/2"
COARSE AGGREGATE	CRUSHED STONE
INCREASE COMPRESSIVE STRENGTH TO 4500 PSI FOR EXTERIOR REINFORCED CONCRETE SUBJECT TO THE USE OF DE-ICERS.	
LEAN CONCRETE FILL	
COMPRESSIVE STRENGTH	2000 PSI
MAXIMUM WATER/CEMENT RATIO	0.65
AIR CONTENT	OPTIONAL
WATER-REDUCING ADMIXTURE	NOT REQUIRED
SLUMP	4" TO 7"

1. SLUMP:
   - MIXES CONTAINING TYPE A WRDA — 5" MAXIMUM
   - MIXES CONTAINING MID-RANGE WRDA — 5 - 6 1/2"
   - MIXES CONTAINING HIGH-RANGE WRDA — 5 - 8"
2. SPECIFIED MINIMUM CEMENTITIOUS MATERIAL CONTENTS ARE BASED ON THE USE OF WATER REDUCING ADMIXTURES.
3. INCLUDE AN AIR-ENTRAINING ADMIXTURE FOR ALL CONCRETE EXPOSED TO FREEZING AND THAWING IN SERVICE AND FOR ALL CONCRETE EXPOSED TO COLD WEATHER DURING CONSTRUCTION, BEFORE ATTAINING ITS SPECIFIED DESIGN COMPRESSIVE STRENGTH. REF. ACI 306 FOR DEFINITION OF COLD WEATHER.
4. CLASS C FLY ASH MAY BE USED AS A CEMENT SUBSTITUTE WITH A MAXIMUM 20% SUBSTITUTION RATE ON A POUND-PER-POUND BASIS.
5. SLAG CEMENT MAY BE USED AS A SUBSTITUTE FOR PORTLAND CEMENT WITH A MAXIMUM 50% SUBSTITUTION RATE ON A POUND-PER-POUND BASIS WITH THE EXCEPTION OF CLASS E CONCRETE, WHICH SHALL BE LIMITED TO 30%.
6. WHEN SLAB CEMENT AND FLY ASH ARE USED IN THE SAME CONCRETE MIX, THE MAXIMUM SUBSTITUTION RATES SHALL COMPLY WITH THE FOLLOWING:
   PORTLAND CEMENT/SLAG/FLY ASH RATIO:
   - CLASS E EXTERIOR CONCRETE — 70% / 20% / 10%
   - ALL OTHER CLASSES — 50% / 30% / 20%
7. FOR CONCRETE TO BE CAST DURING COLD WEATHER, THE MAXIMUM SUBSTITUTION RATE FOR SLAG CEMENT SHALL BE 30%. IF SLAG CEMENT AND FLY ASH ARE USED IN THE SAME MIX, THE MAXIMUM SUBSTITUTION RATES SHALL COMPLY WITH A RATIO OF PORTLAND CEMENT/SLAG/FLY ASH OF 70% / 20% / 10%.
8. PROPORTION CONCRETE MIXES TO PROVIDE WORKABILITY AND CONSISTENCY TO PERMIT CONCRETE TO BE WORKED READILY INTO THE CORNERS AND ANGLES OF THE FORMS AND AROUND REINFORCEMENT BY THE METHODS OF PLACEMENT AND CONSOLIDATION TO BE EMPLOYED, WITHOUT SEGREGATION AND EXCESSIVE BLEEDING.
9. ADJUSTMENTS TO THE APPROVED MIX DESIGNS MAY BE REQUESTED BY THE CONTRACTOR WHEN JOB CONDITIONS, WEATHER, TEST RESULTS, OR OTHER CIRCUMSTANCES WARRANT. THESE REVISED MIX DESIGNS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO USE.

COLD-FORMED (LIGHT GAUGE) METAL FRAMING NOTES

1. All cold-formed steel framing members, their design, fabrication, and erection shall conform to the "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" of the latest edition of the AISI.
2. All framing members shall be formed from steel conforming to ASTM A653, with a minimum yield strength as follows:
   - A) 12, 14 & 16 gauge members: Fy=50ksi
   - B) 18, 20 gauge members: Fy=33ksi
3. All framing members shall be galvanized with a G60 coating meeting the requirements of ASTM A653, unless otherwise indicated.
4. Members shall be the Manufacturer's standard 'C'-Shaped studs/joists of the size, flange width, and gauge indicated. All members shall have a minimum flange lip return of 1/2" and satisfy the minimum properties in accordance with the Steel Stud Manufacturers Association (SSMA).
5. The gauge of all tracks shall match the gauge of the associated stud or joist, unless otherwise noted.
6. All welding shall be in accordance with AWS Specification D1.3. No welding of members less than 14 gauge in thickness is permitted without the approval of the SER. All welding shall be performed by certified welders. All welds shall be touched up with zinc rich paint in accordance with ASTM A780.
7. Provide bridging for all load-bearing studs at a maximum spacing of 48" on center.
8. Provide bridging for all non load-bearing curtain wall studs at a maximum spacing of 54" o.c. Locate one row of bridging within 18" of the top track when a single deep-leg deflection track is utilized.
9. Provide bridging for joists and rafters at midspan and at a maximum spacing of 6'-0" o.c., unless noted otherwise. All bridging shall be installed prior to the application of any loading. Connect bridging to each member by clip angles, or other approved method per the Manufacturer's requirements.
10. Provide web stiffeners at joist and rafter bearings in accordance with the Manufacturer's requirements.
11. All axially-loaded studs shall have full bearing against the track web, prior to stud and track alignment. Splices in axially loaded studs are not permitted.
12. Provide the Manufacturer's standard track, clip angles, bracing, reinforcement, fasteners, and accessories as recommended by the Manufacturer for the application indicated and as needed to provide a complete framing system. Unless otherwise indicated, install the metal framing system in accordance with the Manufacturer's shop drawings, written instructions and recommendations.
13. Install supplementary framing, blocking, and bracing in metal framing system wherever walls or partitions are indicated to support fixtures, equipment, services, casework, heavy trim and furnishings, and similar work requiring attachment to the wall or partition. Where type of supplementary support is not otherwise indicated, comply with the stud manufacturer's recommendations and industry standards in each case, considering weight or loading resulting from the item supported.
14. All field-cutting of studs must be done by sawing or shearing. Torch-cutting of cold-formed members is not allowed.
15. No notching or coping of studs is allowed, unless explicitly shown on the design or shop drawings. All field-cut holes must be reinforced.
16. The Framing Contractor is to ensure punch out alignment when assembling lateral bracing/bridging and field-cutting studs to length. Lateral bracing/bridging must be installed at the time the wall is erected.
17. Temporary bracing shall be provided and remain in place until work is completely stabilized.
18. Use a minimum of three studs at the corners of all exterior walls.
19. Use a minimum of three studs at the intersections and corners of all load-bearing walls.
20. All headers and built-up beams must be constructed of UNPUNCHED material only. Install insulation in built-up exterior framing members, such as headers, sills, boxed joists, and multiple studs at openings, that are inaccessible on completion of framing work.
21. Shop drawings: Show layout, spacings, sizes, thicknesses, types of cold-formed metal framing, and fastening and anchorage details, including mechanical fasteners. Show reinforcing channels, opening framing, supplemental framing, strapping, bracing, bridging, splices, accessories, connection details, and attachment to adjoining work.
22. For cold-formed metal framing indicated to comply with design loads, include structural analysis data signed and sealed by the qualified professional engineer (SSE) responsible for their preparation.
23. Structural Performance: Provide cold-formed metal framing capable of withstanding design loads within limits and under conditions indicated.
    - A) Design Loads: Reference the Design Criteria Notes.
    - B) Deflection Limits: Design framing systems to withstand design loads without deflections greater than the following:
      1. Wall Framing: Horizontal deflection of 1/240 of the wall height for walls with flexible finishes, e.g. metal siding, wood siding, EIFS, etc.
      2. Wall Framing: Horizontal deflection of 1/360 of the wall height for walls with cementitious finishes, e.g. cement plaster.
      3. Wall Framing: Horizontal deflection of 1/600 of the wall height for walls with masonry veneer finishes.
      4. Roof Framing: Vertical deflection of 1/360 of the span under live/snow load. Limit deflection under total load (dead + live/snow) to 1/240 of the span.
24. Design framing systems to provide for movement of framing members without damage or overstressing, sheathing failure, undue strain on fasteners and anchors, or other detrimental effects when subject to an ambient temperature change of not less than 120 degrees F.
25. Design framing system to maintain clearances at openings, to allow for construction tolerances, and to accommodate live load deflection of primary building structure as follows: Upward and downward movement of 3/4 inch.
26. Design exterior non load-bearing curtain wall framing to accommodate horizontal deflection without regard for contribution or sheathing materials.

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DESIGN
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PROJECT
TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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PROJECT 21-112
DATE 2/7/21
COORDINATED BY NHF
DRAWN BY NHF
CHECKED BY SAC

SCOTT A. CLORE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER

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AD-2	02.24.2022	ADDENDUM #2

DRAWING
STRUCTURAL NOTES

PROJECT
TIMOTHY BALL ES ADDITION AND RENOVATIONS

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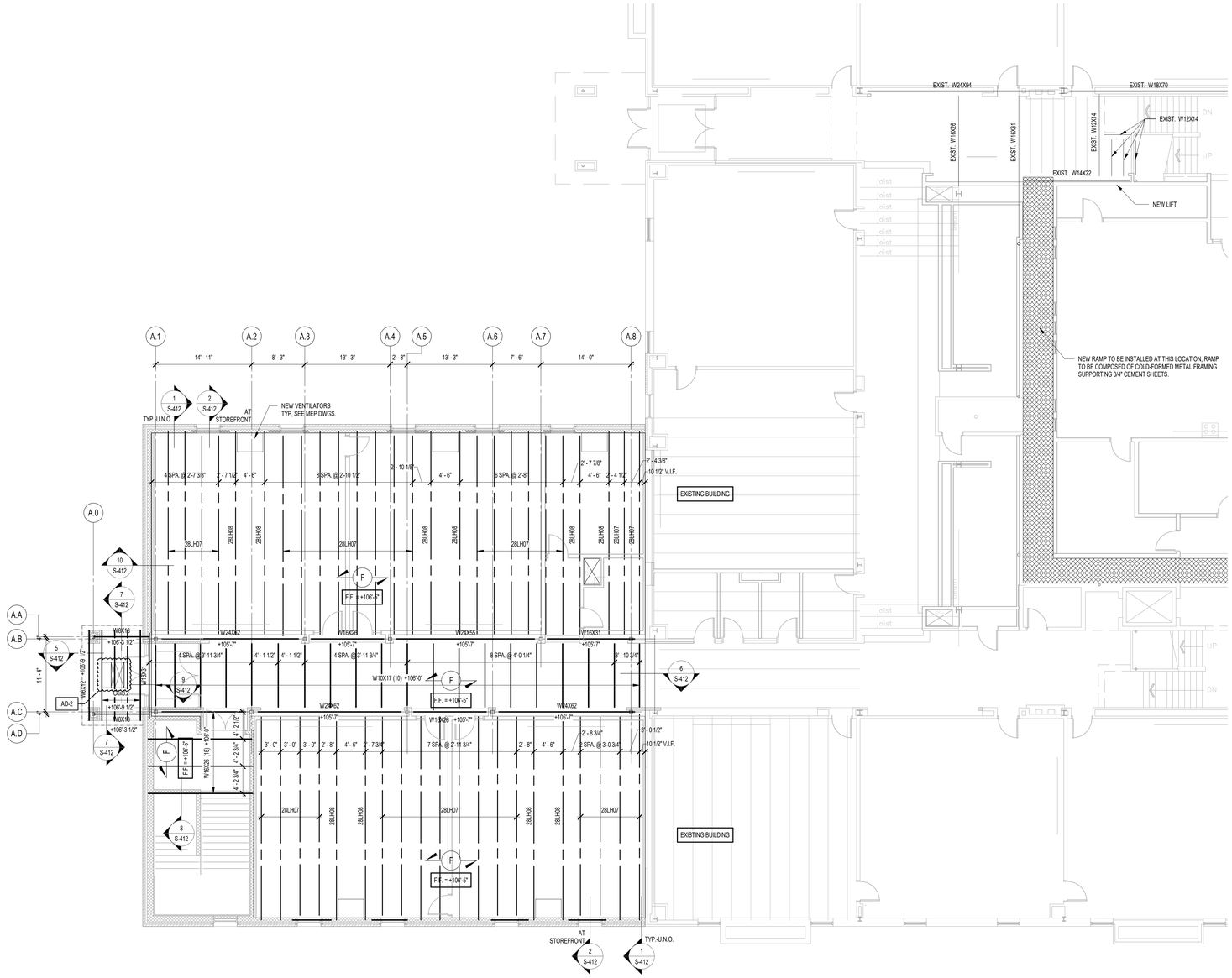
SHEET
S-001



1 SECOND FLOOR FRAMING PLAN - UNIT A
1/8" = 1'-0"

FRAMING PLAN NOTES

1. REF. S-001 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
2. REF. THE S-400 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 F/N. 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 4/S-411
10. INSTALL CONTINUOUS ANGLES AT ALL PERIMETER ROOF EDGES. SEE DETAIL X/S-XXX FOR ATTACHEMENT TO BEAM AND FOR ALL CONDITIONS NO SPECIFICALLY DEFINED IN FRAMING SECTIONS.
11. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
12. REF. ARCH. DRAWINGS. FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
13. COORDINATE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEP CONTRACTOR(S). LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
14. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL BEAM UNLESS NOTED OTHERWISE.
15. 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 DRAWINGS.
16. 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 DWGS.
17. 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 VERT'S. AT ENDS OF WALLS.
18. 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.
19. REF. ARCH. DWGS. FOR MASONRY CONTROL & EXPANSION JOINT LOCATIONS.
20. ALL HORIZONTAL AND DIAGONAL BRIDGING FOR STEEL JOISTS SHALL BE DESIGNED, LOCATED & PROVIDED BY THE JOIST SUPPLIER PER SJI SPECIFICATIONS.
21. FOR ESTIMATING AND BIDDING PURPOSES ONLY, ASSUME AN ADDITIONAL 1/2" THICKNESS OF CONCRETE WILL BE NECESSARY FOR ALL ELEVATED SLABS ON METAL DECK. THE INTENT OF THIS REQUIREMENT IS TO ACCOUNT FOR ANTICIPATED DEAD LOAD DEFLECTIONS IN THE SUPPORTING STRUCTURE. THE FINISHED SLAB SHALL MEET THE FLATNESS REQUIREMENTS DEFINED IN THE SPECIFICATION.
22. PLAN LEGEND:

T/X'	DENOTES TOP OF STEEL, SLAB, ETC.
E.O.S. (or EOS)	DENOTES EDGE OF SLAB (MEASURED FROM BEAM C.L.) SEE TYPICAL DETAIL A/S-410
E.O.D. (or EOD)	DENOTES EDGE OF DECK (MEASURED FROM BEAM C.L.) NOTE: PERIMETER ROOF ANGLE/BENT PL NOT REQUIRED
R-20	DENOTES 1-1/2", 20 GA. WIDE RIB STEEL ROOF DECK, PRIME PAINTED ONLY.
F / F.F. = SEE PLAN	DENOTES 1-1/2", 20 GA. GALV. COMPOSITE STEEL FLOOR DECK +3-1/2" N.W. CONCRETE TOPPING w/ 6x6 W2.1xW2.1 W.W.F (5" TOTAL SLAB "f).
R-20A	DENOTES 1-1/2", 20 GA. WIDE RIB ACOUSTICAL STEEL ROOF DECK, PRIME PAINTED (BOTH SIDES) ONLY.
▶	DENOTES BEAM-TO-COLUMN MOMENT CONNECTION PER DETAIL 6/S-411
▷	DENOTES BEAM-THRU-BEAM MOMENT CONNECTION PER DETAIL 5/S-411
W24X55	DENOTES BEAM SIZE
+115'-7"	DENOTES TOP OF STEEL ELEVATION
TYP. BRACING NOTATION - REFER TO TYP. DETAIL 7/S-411 FOR MORE INFORMATION	
W16X26	
AD-2	DENOTES HSS4x4x5/16 KNEE BRACE
▨	DENOTES APPROX. LOCATION OF FRAMED OPENING FOR ROOF DRAIN OR ROOF HATCH. REFER TO DETAIL 8/S-411. COORD. EXACT LOCATION w/ MECH. CONTRACTOR.

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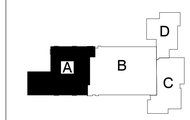
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



KEY PLAN

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PROJECT 21-112
DATE 2/7/21
COORDINATED BY NHF
DRAWN BY NHF
CHECKED BY SAC

SCOTT A. CLORE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER

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DRAWING
SECOND FLOOR FRAMING PLAN- UNIT A

PROJECT
TIMOTHY BALL ES ADDITION AND RENOVATIONS

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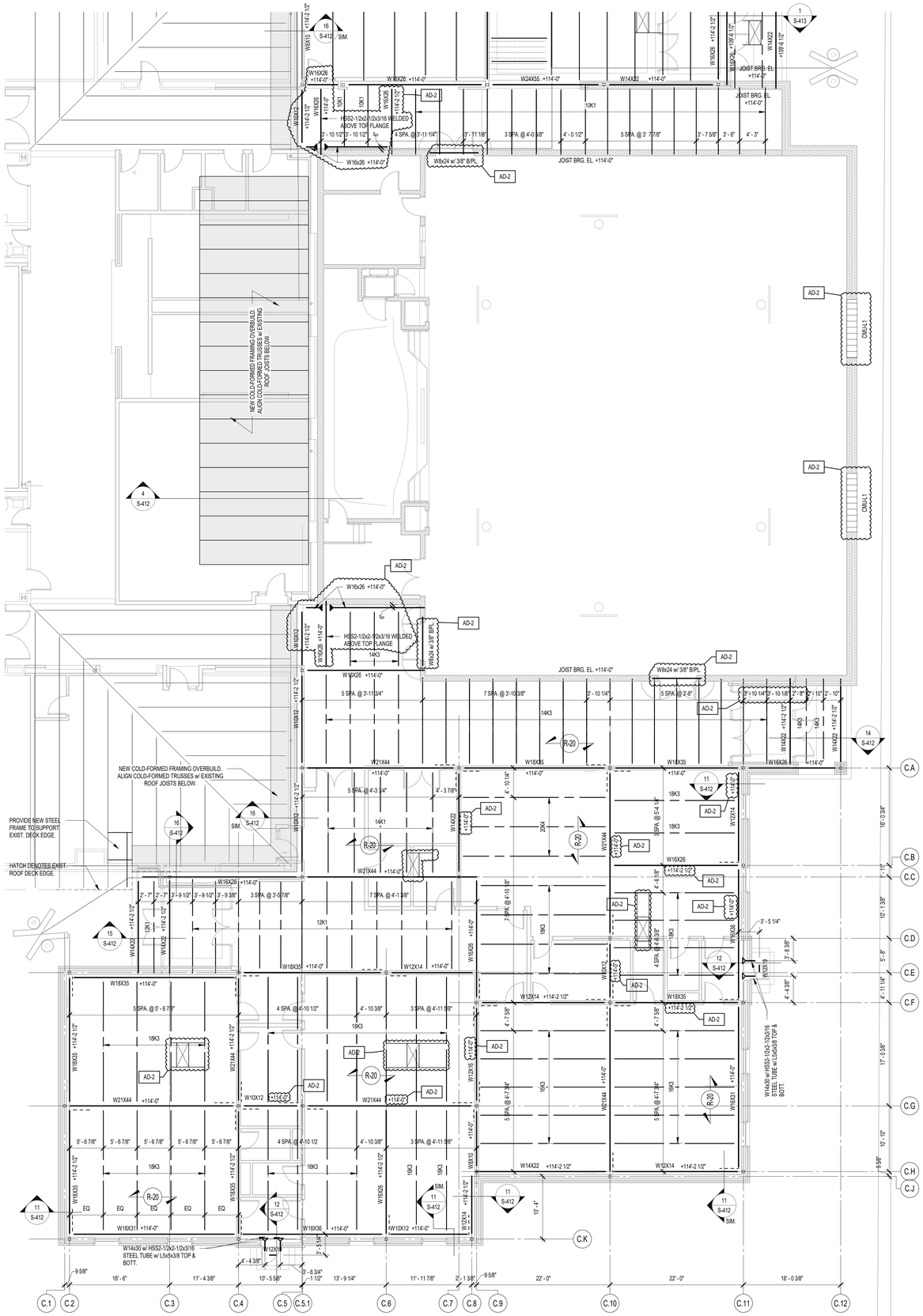
SHEET A S-204



1 LOW/HIGH ROOF FRAMING PLAN - UNIT C
1/8" = 1'-0"

FRAMING PLAN NOTES

1. REF. S-001 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
2. REF. THE S-400 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 4/S-411.
10. INSTALL CONTINUOUS ANGLES AT ALL PERIMETER ROOF EDGES. SEE DETAIL X/S-XXX FOR ATTACHEMENT TO BEAM AND FOR ALL CONDITIONS NO SPECIFICALLY DEFINED IN FRAMING SECTIONS.
11. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
12. REF. ARCH. DRAWINGS. FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
13. COORDINATE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEP CONTRACTOR(S). LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
14. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL BEAM UNLESS NOTED OTHERWISE.
15. 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 DRAWINGS.
16. 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 DWGS.
17. 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 VERT'S. AT ENDS OF WALLS.
18. 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.
19. REF. ARCH. DWGS. FOR MASONRY CONTROL & EXPANSION JOINT LOCATIONS.
20. ALL HORIZONTAL AND DIAGONAL BRIDGING FOR STEEL JOISTS SHALL BE DESIGNED, LOCATED & PROVIDED BY THE JOIST SUPPLIER PER SJI SPECIFICATIONS.
21. FOR ESTIMATING AND BIDDING PURPOSES ONLY, ASSUME AN ADDITIONAL 1/2" THICKNESS OF CONCRETE WILL BE NECESSARY FOR ALL ELEVATED SLABS ON METAL DECK. THE INTENT OF THIS REQUIREMENT IS TO ACCOUNT FOR ANTICIPATED DEAD LOAD DEFLECTIONS IN THE SUPPORTING STRUCTURE. THE FINISHED SLAB SHALL MEET THE FLATNESS REQUIREMENTS DEFINED IN THE SPECIFICATION.
22. PLAN LEGEND:

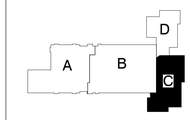
T/'X'	DENOTES TOP OF STEEL, SLAB, ETC.
E.O.S. (or EOS)	DENOTES EDGE OF SLAB (MEASURED FROM BEAM C.L.) SEE TYPICAL DETAIL A/S-410
E.O.D. (or EOD)	DENOTES EDGE OF DECK (MEASURED FROM BEAM C.L.) NOTE: PERIMETER ROOF ANGLE/BENT PL NOT REQUIRED
R-20	DENOTES 1-1/2", 20 GA. WIDE RIB STEEL ROOF DECK, PRIME PAINTED ONLY.
F / F.F. = SEE PLAN	DENOTES 1-1/2", 20 GA. GALV. COMPOSITE STEEL FLOOR DECK +3-1/2" N.W. CONCRETE TOPPING w/ 6x6 W2.1xW2.1 W.W.F (5" TOTAL SLAB T).
R-20A	DENOTES 1-1/2", 20 GA. WIDE RIB ACOUSTICAL STEEL ROOF DECK, PRIME PAINTED (BOTH SIDES) ONLY.
▶	DENOTES BEAM-TO-COLUMN MOMENT CONNECTION PER DETAIL 6/S-411
▷	DENOTES BEAM-THRU-BEAM MOMENT CONNECTION PER DETAIL 5/S-411
W24X55 +115'-7"	DENOTES BEAM SIZE; DENOTES TOP OF STEEL ELEVATION
	TYP. BRACING NOTATION - REFER TO TYP. DETAIL 7/S-411 FOR MORE INFORMATION
W16X26 / AD-2	DENOTES HSS4x4x5/16 KNEE BRACE
AD-2	DENOTES APPROX. LOCATION OF FRAMED OPENING FOR ROOF DRAIN OR ROOF HATCH. REFER TO DETAIL 8/S-411. COORD. EXACT LOCATION w/ MECH. CONTRACTOR.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

TIMOTHY BALL ES ADDITION 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
21-112
DATE
2/7/21
COORDINATED BY
NHF
DRAWN BY
NHF
CHECKED BY
SAC

SCOTT A. CLORE, INDIANA, PE10606154, STATE OF INDIANA, PROFESSIONAL ENGINEER

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REVISIONS

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AD-2	02.24.2022	ADDENDUM #2

DRAWING
LOW ROOF FRAMING PLANS - UNIT C

PROJECT
TIMOTHY BALL ES ADDITION AND RENOVATIONS

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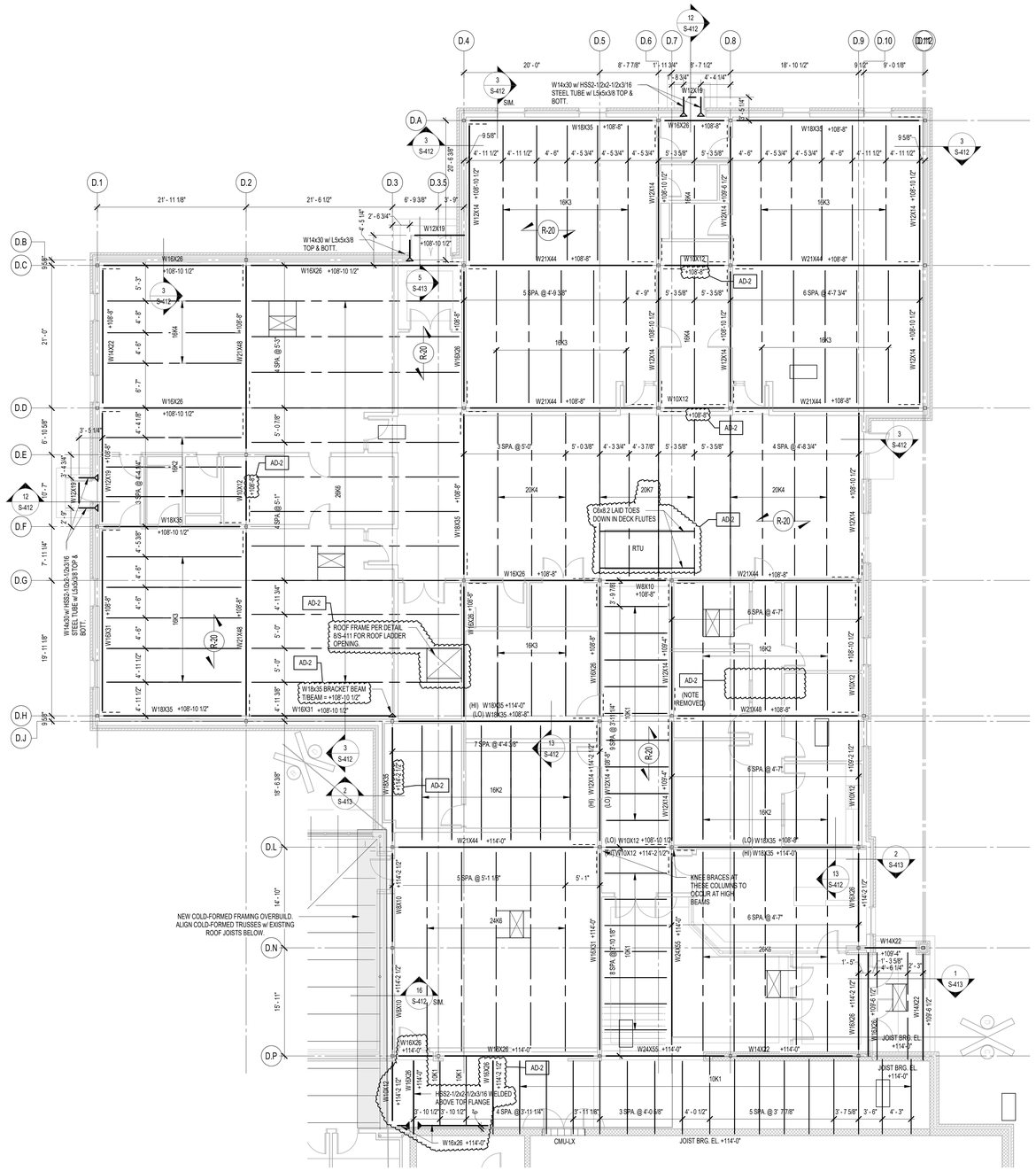
SHEET
C
S-206



1 SECOND FLOOR FRAMING PLAN - UNIT D
1/8" = 1'-0"

FRAMING PLAN NOTES

1. REF. S-001 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
2. REF. THE S-400 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 4/S-411.
10. INSTALL CONTINUOUS ANGLES AT ALL PERIMETER ROOF EDGES. SEE DETAIL X/S-XXX FOR ATTACHEMENT TO BEAM AND FOR ALL CONDITIONS NO SPECIFICALLY DEFINED IN FRAMING SECTIONS.
11. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
12. REF. ARCH. DRAWINGS. FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
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14. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL BEAM UNLESS NOTED OTHERWISE.
15. 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 DRAWINGS.
16. 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 DWGS.
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R-20 — DENOTES 1-1/2", 20 GA. WIDE RIB STEEL ROOF DECK, PRIME PAINTED ONLY.

F / F.F. = SEE PLAN — DENOTES 1-1/2", 20 GA. GALV. COMPOSITE STEEL FLOOR DECK +3-1/2" N.W. CONCRETE TOPPING w/ 6x6 W2.1xW2.1 W.W.F. (5" TOTAL SLAB T).

R-20A — DENOTES 1-1/2", 20 GA. WIDE RIB ACOUSTICAL STEEL ROOF DECK, PRIME PAINTED (BOTH SIDES) ONLY.

DENOTES BEAM-TO-COLUMN MOMENT CONNECTION PER DETAIL 6/S-411

DENOTES BEAM-THRU-BEAM MOMENT CONNECTION PER DETAIL 9/S-411

DENOTES BEAM SIZE — W24X55

+115'-7" — DENOTES TOP OF STEEL ELEVATION

TYP. BRACING NOTATION - REFER TO TYP. DETAIL 7/S-411 FOR MORE INFORMATION

W16X26 — DENOTES HSS4x4x5/16 KNEE BRACE

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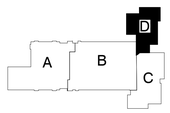
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
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Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-112
DATE 2/7/21
COORDINATED BY NHF
DRAWN BY NHF
CHECKED BY SAC

SCOTT A. CLORE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER

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DRAWING
ROOF FRAMING PLAN - UNIT D

PROJECT
TIMOTHY BALL ES ADDITION AND RENOVATIONS

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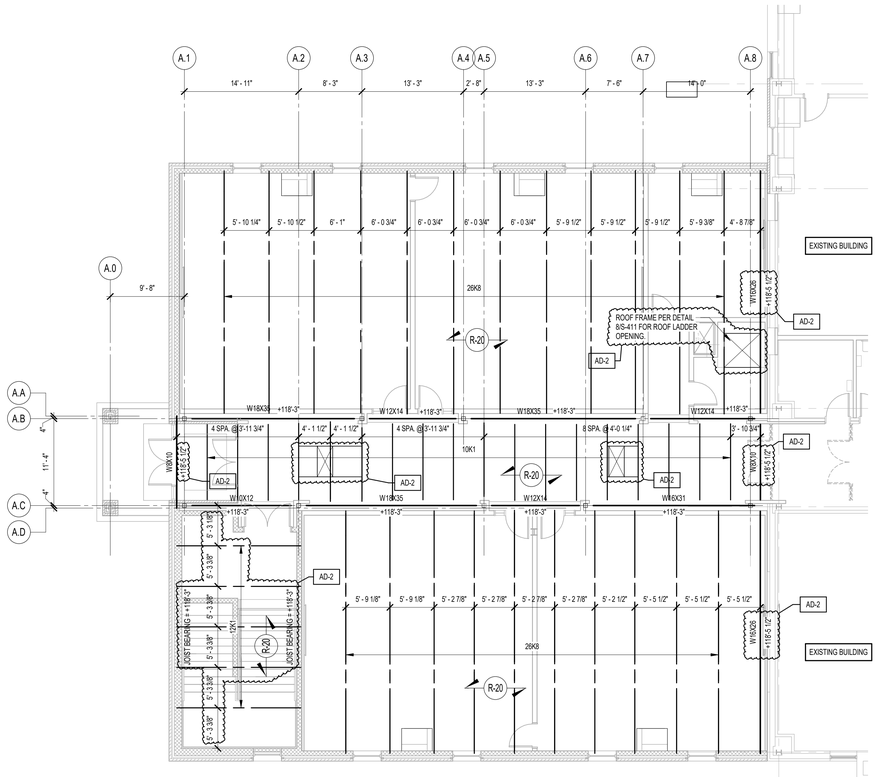
SHEET
D
S-207



1 ROOF FRAMING PLAN - UNIT A
1/8" = 1'-0"

FRAMING PLAN NOTES

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DENOTES BEAM-THRU-BEAM MOMENT CONNECTION PER DETAIL 5/S-411

DENOTES BEAM SIZE — W24X55

+115'-7" — DENOTES TOP OF STEEL ELEVATION

TYP. BRACING NOTATION - REFER TO TYP. DETAIL 7/S-411 FOR MORE INFORMATION

W16X26

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DESIGN
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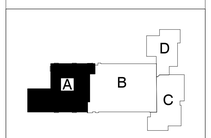
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



KEY PLAN

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

PROJECT 21-112
DATE 2/7/21
COORDINATED BY NHF
DRAWN BY NHF
CHECKED BY SAC

SCOTT A. CLORE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER

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AD-2	02.24.2022	ADDENDUM #2

DRAWING
ROOF FRAMING PLAN - UNIT A

PROJECT
TIMOTHY BALL ES ADDITION AND RENOVATIONS

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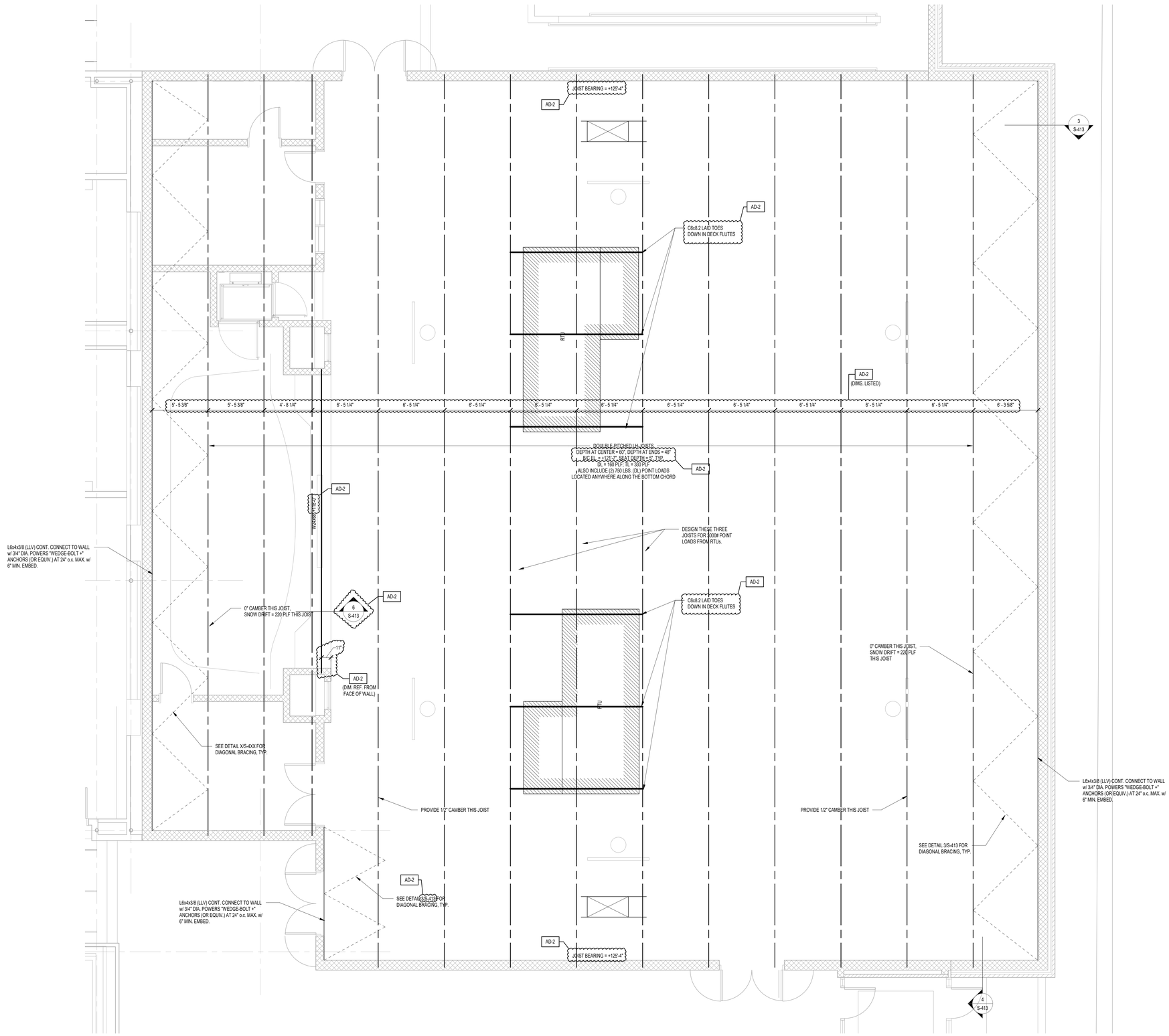
A

SHEET S-208



1 GYM ROOF FRAMING
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W24X55 — DENOTES BEAM SIZE

+115'-7" — DENOTES TOP OF STEEL ELEVATION

TYP. BRACING NOTATION - REFER TO TYP. DETAIL 7/S-411 FOR MORE INFORMATION

W16X26 — DENOTES HSS4x4x5/16 KNEE BRACE

AD-2 — DENOTES APPROX. LOCATION OF FRAMED OPENING FOR ROOF DRAIN OR ROOF HATCH. REFER TO DETAIL 8/S-411. COORD. EXACT LOCATION w/ MECH. CONTRACTOR.

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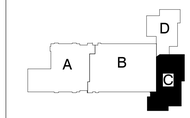
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



KEY PLAN

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Indianapolis, IN 46260
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PROJECT
21-112
DATE
2/7/21
COORDINATED BY
NHF
DRAWN BY
NHF
CHECKED BY
SAC

SCOTT A. CLORE
INDUSTRIAL
PE10606154
STATE OF INDIANA
PROFESSIONAL ENGINEER

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DRAWING
HIGH ROOF FRAMING PLAN - UNIT C

PROJECT
TIMOTHY BALL ES ADDITION AND RENOVATIONS

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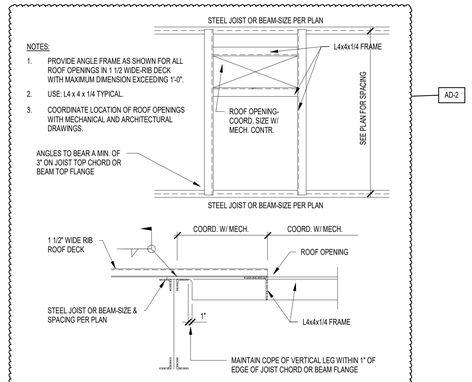
SHEET
S-209

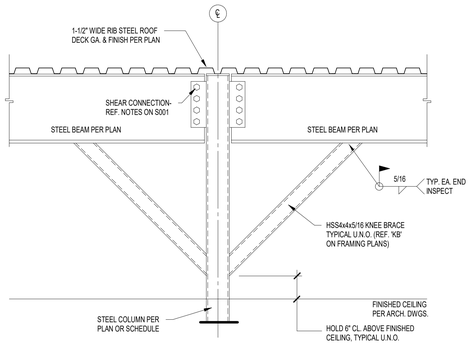
NOTES:

1. PROVIDE ANGLE FRAME AS SHOWN FOR ALL ROOF OPENINGS IN 1 1/2 WIDE-RIB DECK WITH MAXIMUM DIMENSION EXCEEDING 1'-0".
2. USE: L4 x 4 x 1/4 TYPICAL.
3. COORDINATE LOCATION OF ROOF OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS.

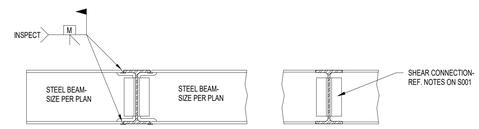


ROOF OPENING FRAME 1.5" DECK

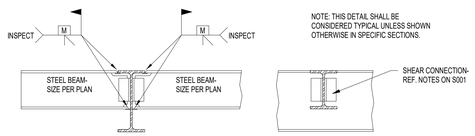
8 Roof Opening Frame 1.5" Deck
3/4" = 1'-0"



7 KNEE BRACE DETAIL
3/4" = 1'-0"



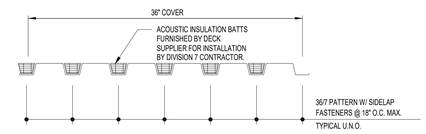
DETAIL A - BEAMS NOMINALLY SAME DEPTH



NOTE: THIS DETAIL SHALL BE CONSIDERED TYPICAL UNLESS SHOWN OTHERWISE IN SPECIFIC SECTIONS.

DETAIL B - DEPTH DIFFERENTIAL 2" OR GREATER

5 BEAM-THRU-BEAM MOMENT CONN. DETAIL
NOT TO SCALE



NOTE:

1. 1 1/2", 20 GA. WIDE RIB STEEL ROOF DECK. CLEAN, TREAT AND PRIME.
2. ALL WELDS SHALL BE 5/8" DIA. PUDDLE WELDS.
3. USE #10 TEK SCREW SIDELAP FASTENERS, U.N.O.
4. MECHANICAL FASTENERS MAY BE USED IN LIEU OF WELDS.

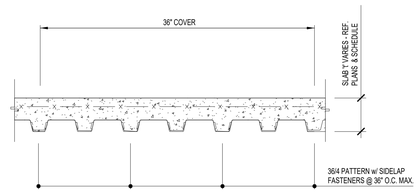
   USE THE FOLLOWING HILTI POWER ACTUATED FASTENERS:
   USE XEDNK22 THQ12HSN FOR STEEL T 1/8" THROUGH 1/4"
   USE XEDNK19 THQ12HSN FOR STEEL T 3/16" THROUGH 3/8"

   USE THE FOLLOWING ITW-BUILDEX POWER ACTUATED FASTENERS:
   USE BX12 FOR STEEL T 1/8" THROUGH 3/16"
   USE BX14 FOR STEEL T OVER 3/16" THROUGH 3/8"

   USE #10 TEK SCREWS FOR FASTENING TO COLD-FORMED STEEL.

   SUBMIT PROPOSED FASTENERS & TECHNICAL DATA FOR REVIEW.
5. PROVIDE MFR'S. STD. INERT, NON-ORGANIC FIBER SOUND-ABSORBING BATTS PLACED IN RIB OPENINGS. NRC = 0.65.
6. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

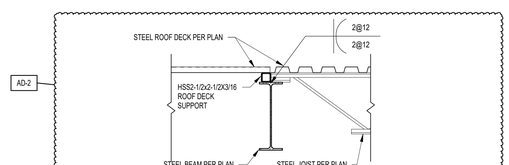
3 1 1/2" Wide-Rib Acoustical Steel Roof Deck
NOT TO SCALE



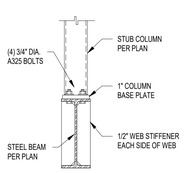
NOTE:

1. 1 1/2", 20 GA. GALVANIZED COMPOSITE STEEL FLOOR DECK.
2. WELD DECK TO SUPPORTING STRUCTURE USING 3/4" DIAMETER WELDS.
3. MECHANICALLY FASTEN SIDELAPS @ 36" O.C. MAX. w/ #10 TEK SCREWS.
4. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. SIDELAPS MAY BE NESTING, OR INTERLOCKING AT CONTRACTOR'S OPTION.

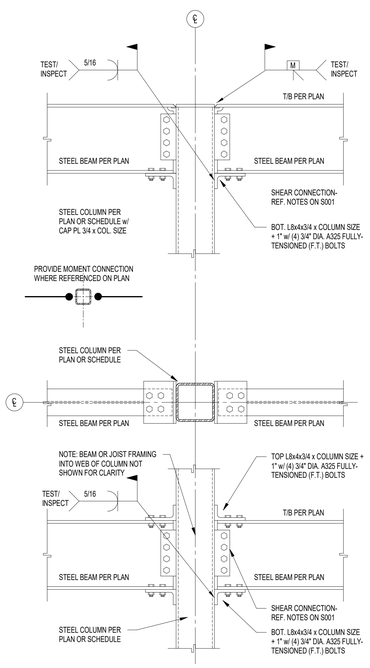
2 1 1/2" Composite Steel Deck & Slab
NOT TO SCALE



10 TYPICAL ROOF DECK SUPPORT AT DECK CHANGE
3/4" = 1'-0"

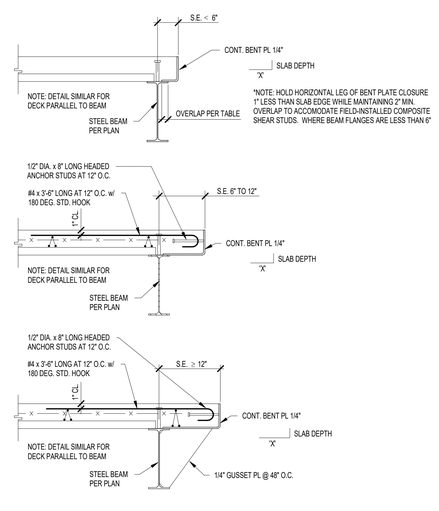


9 Typical Stub Column Detail
3/4" = 1'-0"



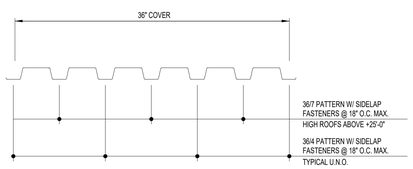
6 BEAM TO COLUMN MOMENT CONN. DETAILS
NOT TO SCALE

NOTE: ASSUME THAT ALL BENT PLATE SLAB EDGES SHALL BE FIELD WELDED AFTER ADJUSTMENT TO MAINTAIN TOLERANCES AND REQ'D. CLEARANCES. SLAB CLOSURES FOR SHORT MEMBERS, OR FOR SLAB EDGES WHERE TOLERANCES ARE NOT CRITICAL MAY BE SHOP-WELDED PENDING APPROVAL OF THE ENGINEER. THE FABRICATOR & ERECTOR SHALL COORDINATE ALL FIELD WELDING VS. SHOP WELDING AT THE TIME OF BIDDING. LACK OF FIELD WELD SYMBOLS ON SPECIFIC SECTIONS DOES NOT RELIEVE THE FABRICATOR/ ERECTOR FROM THE RESPONSIBILITY TO MAINTAIN TOLERANCES.



NOTE: S.E. = SLAB EDGE PER PLAN

4 Interior Slab Edge Details
NOT TO SCALE



NOTE:

1. 1 1/2", 20 GA. WIDE RIB STEEL ROOF DECK. CLEAN, TREAT AND PRIME.
2. USE #10 TEK SCREW SIDELAP FASTENERS, U.N.O.
3. MECHANICAL FASTENERS SHALL BE USED IN LIEU OF WELDS.
4. USE THE FOLLOWING HILTI POWER ACTUATED FASTENERS:
   X-HSN 24 FOR OPEN-WEB STEEL JOISTS & STRUCTURAL STEEL 1/8" ≤ T ≤ 3/8"
   X-ENP-19 L15 FOR HEAVY OPEN-WEB STEEL JOISTS & STRUCTURAL STEEL T ≥ 1/4"
   S-SLC 01 M HWH SIDELAP FASTENERS
   ACCEPTABLE ALTERNATE: PNEUTEK AIR/SAFE FASTENING SYSTEM.
5. SUBMIT PROPOSED FASTENERS & TECHNICAL DATA FOR REVIEW.
6. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

1 1 1/2" Wide-Rib Steel Roof Deck
NOT TO SCALE

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PE10606154
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PROFESSIONAL ENGINEER

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DRAWING
TYPICAL FRAMING DETAILS

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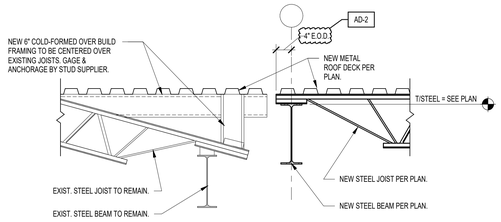
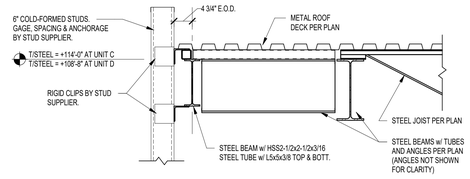
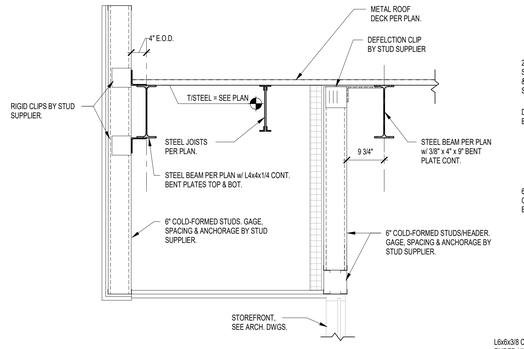


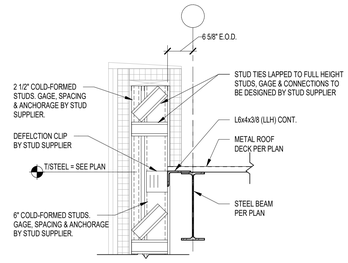
16 FRAMING SECTION
3/4" = 1'-0"



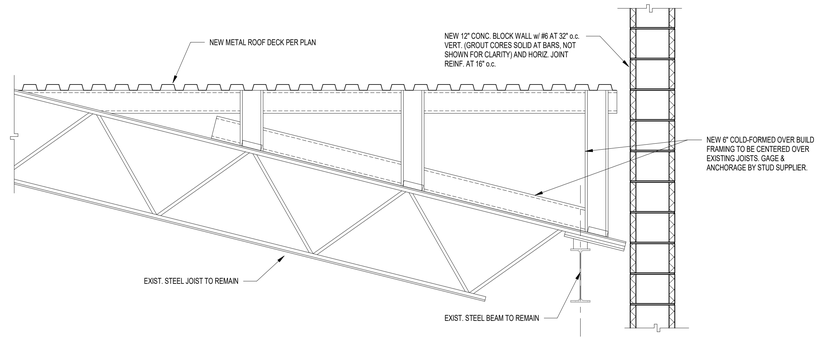
12 FRAMING SECTION
3/4" = 1'-0"



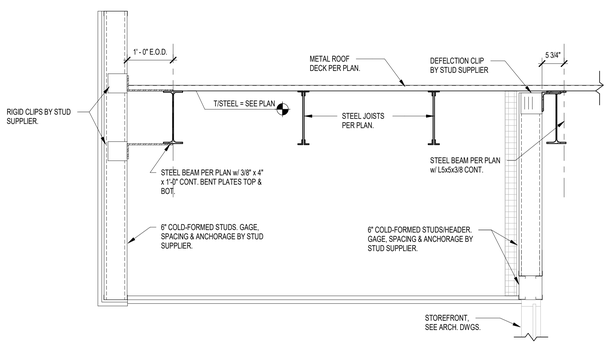
15 FRAMING SECTION
3/4" = 1'-0"



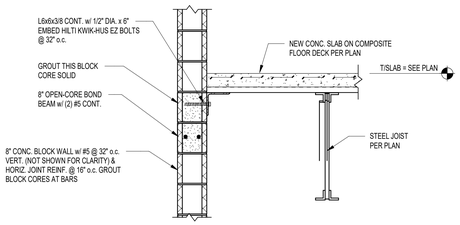
11 FRAMING SECTION
3/4" = 1'-0"



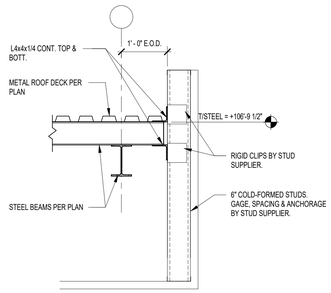
4 FRAMING SECTION
3/4" = 1'-0"



14 FRAMING SECTION
3/4" = 1'-0"



10 FRAMING SECTION
3/4" = 1'-0"



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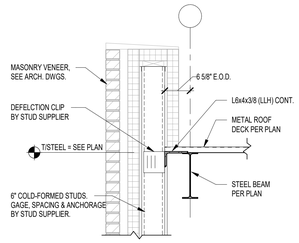
3/4" = 1'-0"



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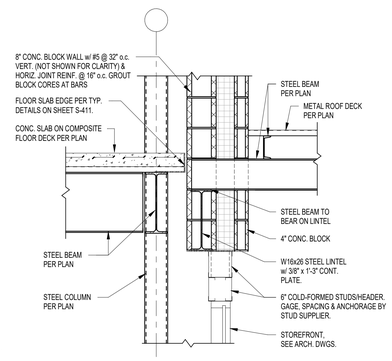

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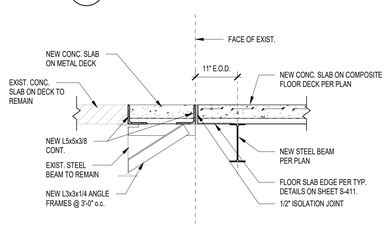

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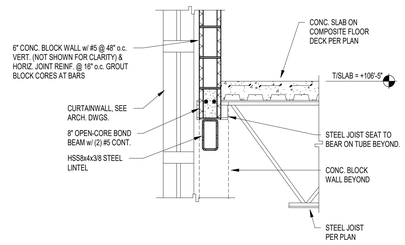

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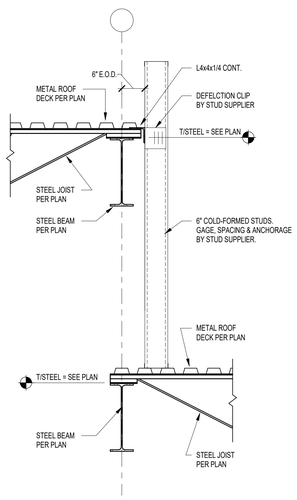
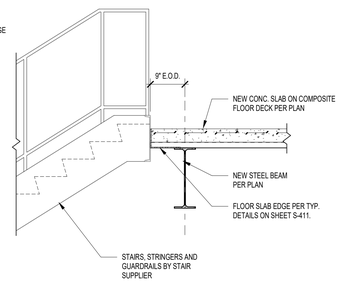
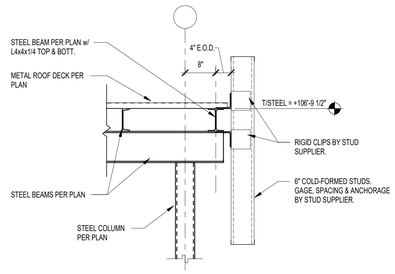


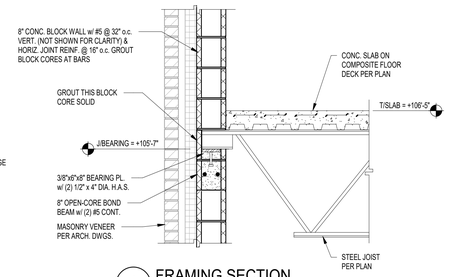
13 FRAMING SECTION
3/4" = 1'-0"



8 FRAMING SECTION
3/4" = 1'-0"



5 FRAMING SECTION
3/4" = 1'-0"



1 FRAMING SECTION
3/4" = 1'-0"

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DRAWING
STRUCTURAL FRAMING SECTIONS

PROJECT
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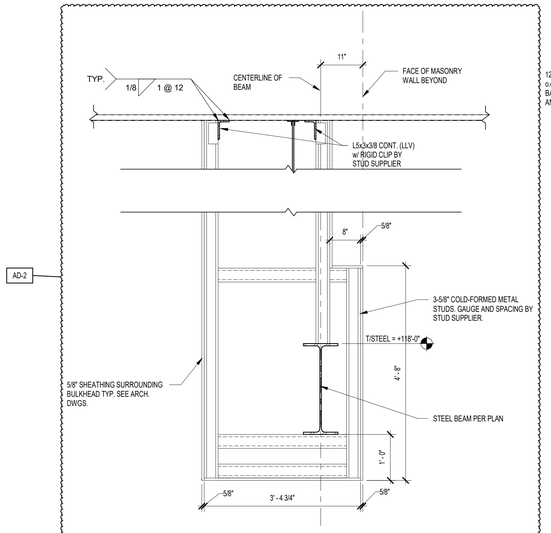
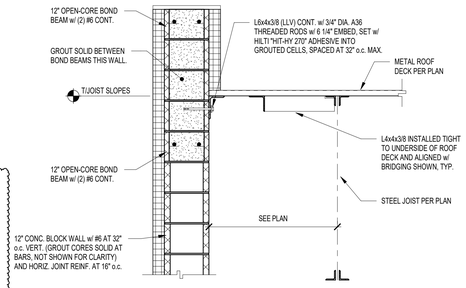
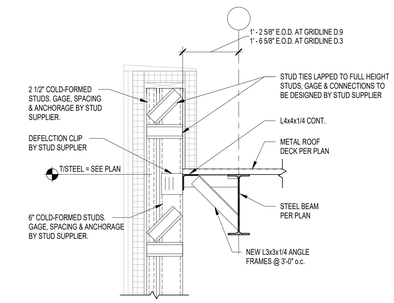


6 FRAMING SECTION
3/4" = 1'-0"



3 FRAMING SECTION
3/4" = 1'-0"



2 FRAMING SECTION
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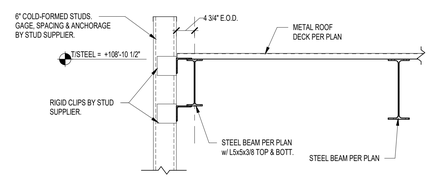

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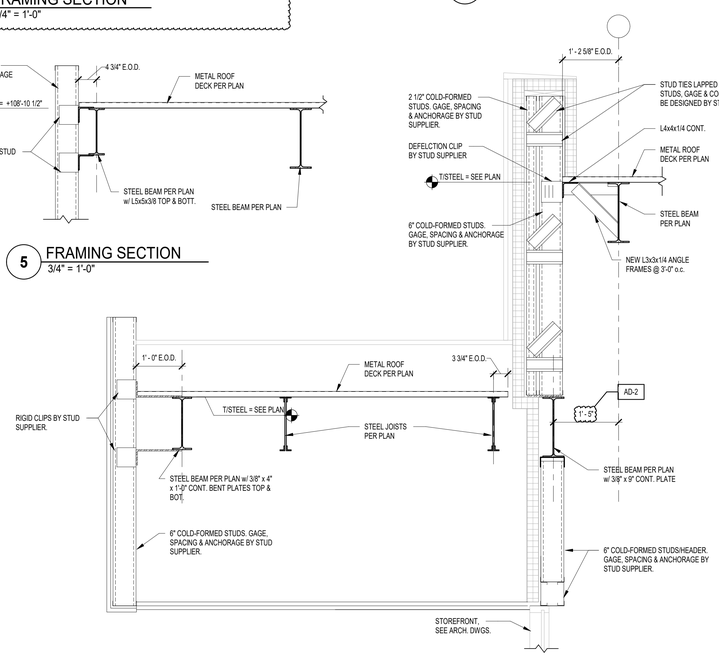
3/4" = 1'-0"



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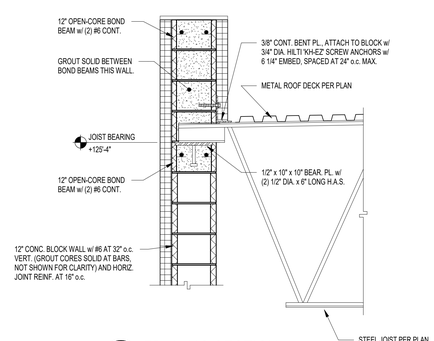
3/4" = 1'-0"



4 FRAMING SECTION
3/4" = 1'-0"

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2/7/21
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SCOTT A. CLORE
REGISTERED
PE10606154
STATE OF INDIANA
PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02.24.2022	ADDENDUM #2

DRAWING
STRUCTURAL FRAMING SECTIONS

PROJECT
TIMOTHY BALL ES ADDITION AND RENOVATIONS

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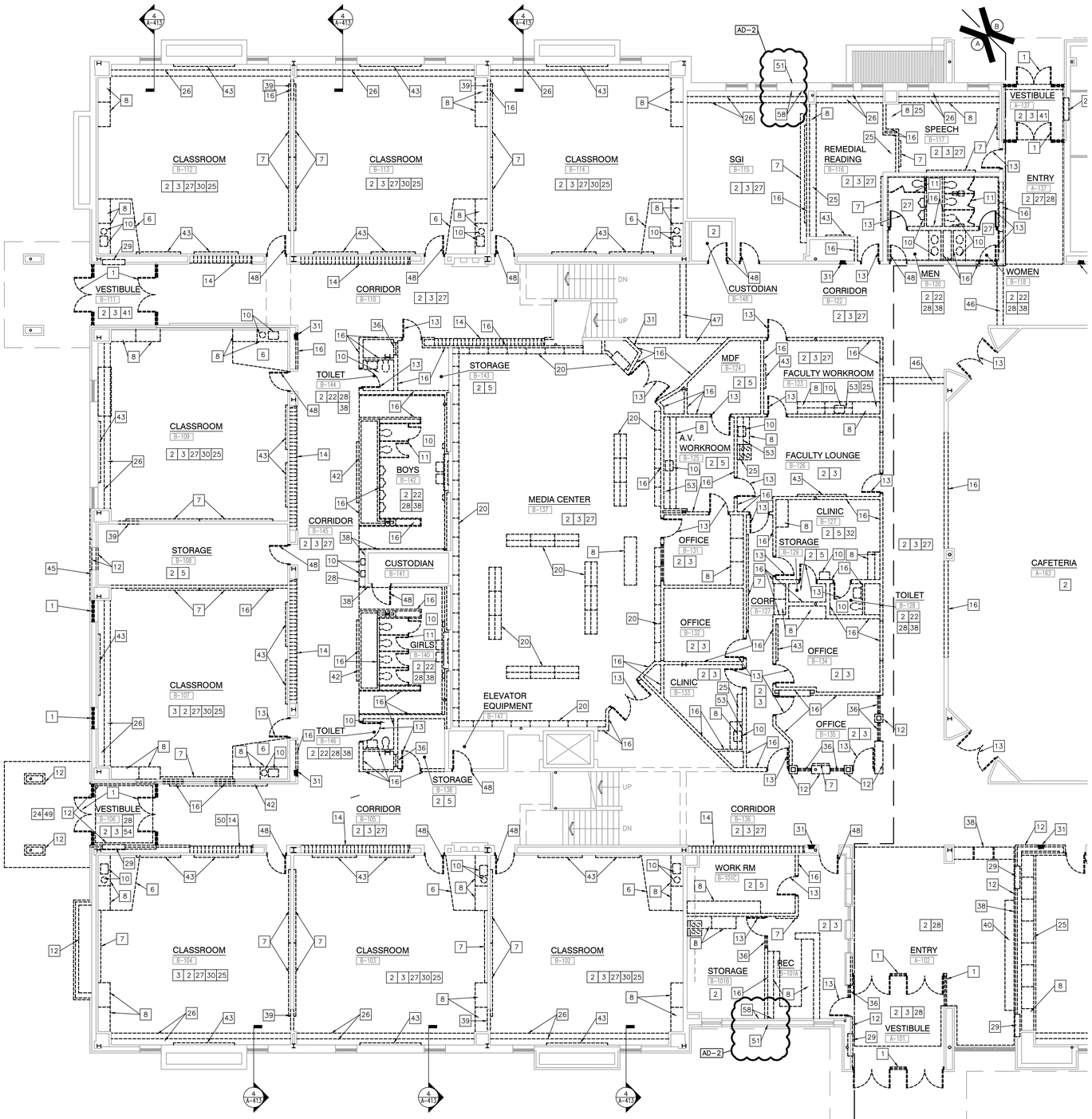
SHEET
S-413



UNIT "A" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN

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

31 REMOVE FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. SALVAGE FIRE EXTINGUISHERS FOR INSTALLATION IN NEW CABINETS OR RELOCATED EXISTING CABINETS. COORDINATE ON SIGHT.

32 REMOVE CURTAIN TRACK AND CURTAIN IN THEIR ENTIRETY.

33 DEMOLISH EXISTING TERRAZZO, CONCRETE SLAB AND INSULATION TO BASE SLAB BELOW COMPLETE.

34 DEMOLISH BRICK, MASONRY AND CONCRETE STOOP COMPLETE.

35 EXISTING DOOR FRAME TO REMAIN. REMOVE DOOR, TRANSOM AND HARDWARE.

36 REMOVE HOLLOW METAL FRAME AND GLAZING IN ITS ENTIRETY.

37 REMOVE ACOUSTICAL PANELS IN THEIR ENTIRETY. PATCH AND REPAIR WALLS AS REQUIRED TO RECEIVE NEW FINISHES.

38 REMOVE CERAMIC TILE WALL SYSTEM IN ITS ENTIRETY. PREPARE EXISTING WALL AS REQUIRED TO RECEIVE NEW FINISHES.

39 ALTERNATE: DEMOLISH, PATCH AND REPAIR WALL CONSTRUCTION TO RECEIVE NEW DOOR. GRIND AND PREPARE FLOOR AS REQUIRED.

40 REMOVE BRICK BENCH IN ITS ENTIRETY. PREPARE FLOOR AND WALL AS REQUIRED.

41 BUSH HAMMER EXISTING TERRAZZO AS REQUIRED FOR NEW LEVEL FLOOR FINISHES. PROVIDE LEVELING COMPOUND AS REQUIRED.

42 REMOVE WOOD TRIM, TACKABLE WALL COMPLETE.

43 REMOVE TACKABLE WALL PANEL COMPLETE.

44 ALTERNATE: REMOVE MASONRY WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH AND REPAIR FLOOR AND WALL AS REQUIRED TO ACCEPT NEW FINISHES.

45 REMOVE PORTION OF EXISTING LIMESTONE PANEL AS REQUIRED FOR NEW CONSRTUCTION.

46 REMOVE PORTION OF EXISTING BULKHEAD FRAMING TO MATCH NEW 9'-0" BULKHEAD.

47 REMOVE EXISTING BULKHEAD EXTENSION FROM PREVIOUS PROJECT, PREPARE FOR RE FRAMING TO MATCH NEW 9'-0" BULKHEAD.

48 ALTERNATE: EXISTING DOOR FRAME TO REMAIN. REMOVE EXISTING DOOR, HARDWARE, AND TRANSOM TO ACCEPT NEW DOOR AND HARDWARE

49 REMOVE EXISTING CANOPY IN ITS ENTIRETY INCLUDING STEEL FRAMING, ROOFING AND CONCRETE FOOTINGS AS REQUIRED FOR NEW CONSTRUCTION.

AD-2 50 AREA OF MODIFIED SAG ROD ASSEMBLY TO ACCOMMODATE NEW CONSTRUCTION. REMOVE PORTIONS OF EXISTING CHANNEL. ENSURE SAG ROD ASSEMBLY HAS MINIMUM OF 3 SAG RODS PER RUN AND SPACED AT MAXIMUM OF 48" APART. INSTALL NEW SAG ROD AND CHANNEL ASSEMBLY TO ENSURE WALL STABILITY ABOVE.

51 REMOVE PORTION OF BRICK AND MASONRY WALL TO RECEIVE NEW LOUVER. TOOTH IN SALVAGED BRICK AS REQUIRED.

52 DEMOLISH EXISTING SAG ROD ASSEMBLY TO ACCOMMODATE NEW CONSTRUCTION.

53 REMOVE CONTINUOUS BACK SPLASH AND WALL CABINETS COMPLETELY.

54 DEMOLISH EXISTING TERRAZZO AND INFILL WITH LIGHTWEIGHT CONCRETE. PREP AND DOWEL EXISTING AND NEW SLAB, REFER TO STRUCTURAL DRAWINGS.

55 DEMOLISH EXISTING TERRAZZO AND CONCRETE SLAB COMPLETE.

56 LINE OF SLAB DEMOLITION.

57 REMOVE EXISTING COOLER FREEZER IN ITS ENTIRETY.

58 MODIFY METAL STUD AND GYPSUM BOARD WALL ASSEMBLY TO RECEIVE NEW VUV CONSTRUCTION.

AD-2

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, OR 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 BACKING, ADHESIVES, 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. PROVIDE TOPPING SLAB AND FLOOR LEVEL AS REQUIRED FOR APPLICATION OF NEW CONDITIONS.

AD-2 NEW CMU CONSTRUCTION SHALL NOT BEAR ON EXISTING TERRAZZO OR CONCRETE TOPPING SLAB. DEMOLISH TERRAZZO AND EXISTING CONCRETE SLAB BELOW WHERE OCCURRING.

DEMOLITION PLAN NOTES:

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

1 REMOVE ALUMINUM WINDOW AND/OR STOREFRONT FRAMING, DOORS, AND HARDWARE IN ITS ENTIRETY. REPAIR JAMB AND FLOOR AS REQUIRED FOR NEW FINISH.

2 REMOVE ACOUSTICAL BOARD CEILING SYSTEM IN ITS ENTIRETY.

3 REMOVE CARPET FLOORING SYSTEM AND BASE IN ITS ENTIRETY. PREPARE EXISTING CONCRETE SLAB AS REQUIRED TO RECEIVE NEW FINISHES.

4 DEMOLISH AND PREPARE EXISTING CONCRETE SURFACE TREATMENT TO RECEIVE NEW CONSTRUCTION.

5 REMOVE VINYL TILE FLOORING SYSTEM 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. PROVIDE LEVELING COMPOUND AS REQUIRED.

7 REMOVE DISPLAY WALL, CHALK, MARKER, AND/OR TACKBOARDS IN THEIR ENTIRETY.

8 REMOVE EXISTING BUILT-IN CASEWORK.

9 REMOVE PORTION OF MASONRY WALL AS REQUIRED TO INSTALL NEW DOOR.

10 REMOVE PLUMBING FIXTURES COMPLETE. REFER TO PLUMBING DRAWINGS. WHERE PIPING IS REQUIRED TO BE CAPPED, CAP BELOW AND/OR BEHIND FINISHED SURFACE.

11 REMOVE TOILET PARTITIONS IN THEIR ENTIRETY.

12 REMOVE MASONRY WALL (AS REQUIRED FOR NEW CONSTRUCTION.) PATCH AND REPAIR FLOOR AND WALL AS REQUIRED TO ACCEPT NEW FINISHES.

13 REMOVE HOLLOW METAL FRAME, TRANSOM, DOOR AND HARDWARE IN ITS ENTIRETY.

14 REMOVE EXISTING LOCKERS IN THEIR ENTIRETY.

15 REMOVE CONCRETE SHOWER CURB. PATCH AND REPAIR FLOOR AS REQUIRED TO ACCEPT NEW FINISHES.

16 REMOVE METAL STUDS AND GYPSUM BOARD WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH AND REPAIR FLOOR AND WALLS AS REQUIRED TO ACCEPT NEW FINISHES.

17 REMOVE EXISTING BLEACHERS IN THEIR ENTIRETY.

18 REMOVE METAL LOCKERS. REMOVE CONCRETE BASE AS REQUIRED FOR NEW CONSTRUCTION.

19 REMOVE DISPLAY CASE IN ITS ENTIRETY.

20 REMOVE MEDIA SHELVING IN ITS ENTIRETY.

21 REMOVE BASKETBALL GOALS IN THEIR ENTIRETY.

22 REMOVE EXISTING FLOOR DRAIN. REFER TO PLUMBING DRAWINGS.

23 REMOVE SCOREBOARD AND TURN OVER TO OWNER.

24 REMOVE VOID SLAB/STOOP/STEPS/RAMP AS REQUIRED FOR NEW CONSTRUCTION.

25 REMOVE GYPSUM METAL STUD BULKHEAD COMPLETE.

AD-2 26 REMOVE METAL BOOKSHELVES AND CASEWORK COMPLETE. PATCH AND REPAIR WALL TO MAKE LIKE NEW CONDITION.

27 REMOVE WALL COVERING IN ITS ENTIRETY. PREPARE WALL FOR NEW FINISHES.

28 REMOVE TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY. PREPARE EXISTING CONCRETE SLAB AS REQUIRED TO RECEIVE NEW FINISHES. PROVIDE LEVELING COMPOUND AS REQUIRED.

29 REMOVE MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS.

30 REMOVE CEILING MOUNTED MECHANICAL UNIT IN ITS ENTIRETY. REFER TO MECHANICAL DRAWINGS.

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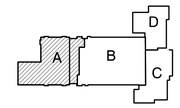
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



KEY PLAN

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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY MMM
CHECKED BY JPB

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

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "A" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET A AD101

Friday, 2/25/2022 - 4:44 PM - LAST SAVED BY:MMULLEN
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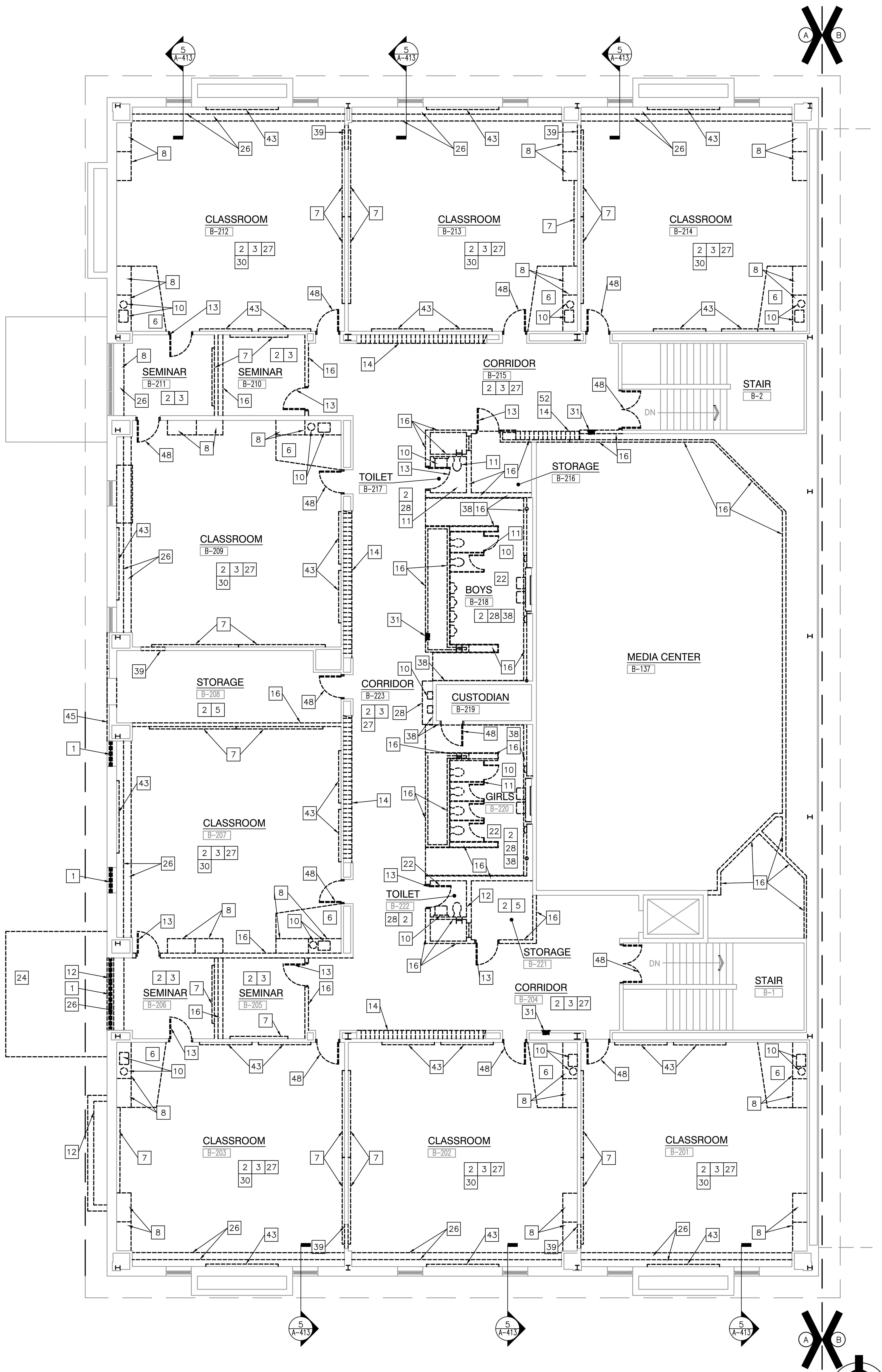
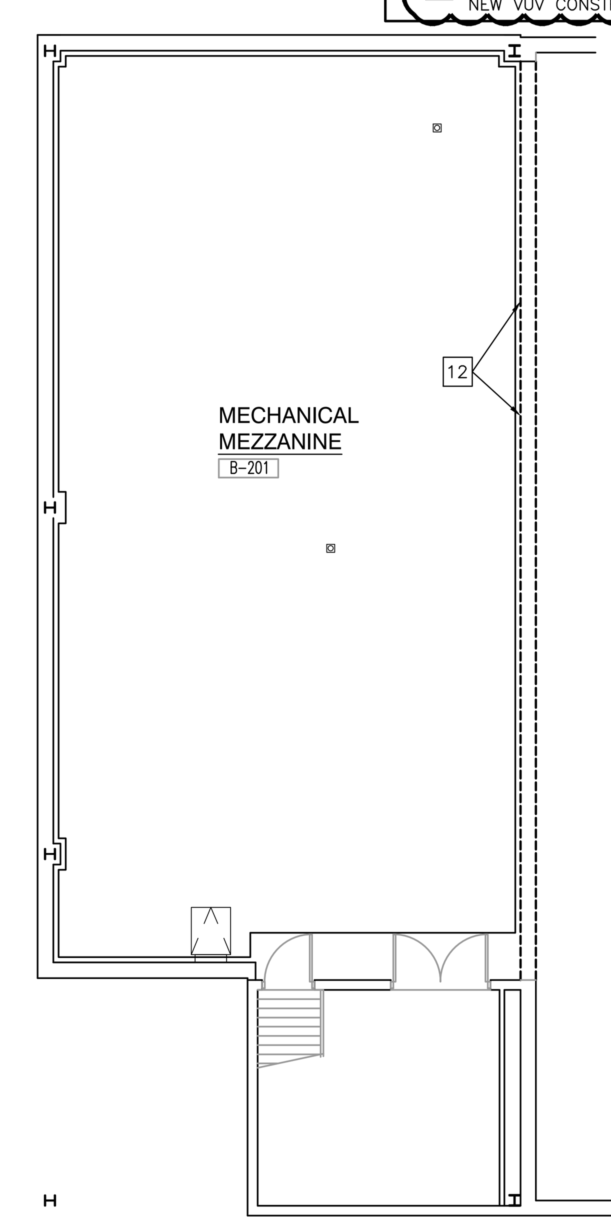


UNIT "A" ARCHITECTURAL SECOND FLOOR DEMOLITION PLAN

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



UNIT "B" ARCHITECTURAL MEZZANINE FLOOR DEMOLITION PLAN

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

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, OR 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 BACKING, ADHESIVES, 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. PROVIDE TOPPING SLAB AND FLOOR LEVEL AS REQUIRED FOR APPLICATION OF NEW CONDITIONS.

Y. NEW CMU CONSTRUCTION SHALL NOT BEAR ON EXISTING TERRAZZO OR CONCRETE TOPPING SLAB. DEMOLISH TERRAZZO AND EXISTING CONCRETE SLAB BELOW WHERE OCCURRING. (AD-2)

DEMOLITION PLAN NOTES:

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

1. REMOVE ALUMINUM WINDOW AND/OR STOREFRONT FRAMING, DOORS, AND HARDWARE IN ITS ENTIRETY. REPAIR JAMB AND FLOOR AS REQUIRED FOR NEW FINISH.
2. REMOVE ACOUSTICAL BOARD CEILING SYSTEM IN ITS ENTIRETY.
3. REMOVE CARPET FLOORING SYSTEM AND BASE IN ITS ENTIRETY. PREPARE EXISTING CONCRETE SLAB AS REQUIRED TO RECEIVE NEW FINISHES.
4. DEMOLISH AND PREPARE EXISTING CONCRETE SURFACE TREATMENT TO RECEIVE NEW CONSTRUCTION.
5. REMOVE VINYL TILE FLOORING SYSTEM 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. PROVIDE LEVELING COMPOUND AS REQUIRED.
7. REMOVE DISPLAY WALL, CHALK, MARKER, AND/OR TACKBOARDS IN THEIR ENTIRETY.
8. REMOVE EXISTING BUILT-IN CASEWORK.
9. REMOVE PORTION OF MASONRY WALL AS REQUIRED TO INSTALL NEW DOOR.
10. REMOVE PLUMBING FIXTURES COMPLETE. REFER TO PLUMBING DRAWINGS. WHERE PIPING IS REQUIRED TO BE CAPPED, CAP BELOW AND/OR BEHIND FINISHED SURFACE.
11. REMOVE TOILET PARTITIONS IN THEIR ENTIRETY.
12. REMOVE MASONRY WALL (AS REQUIRED FOR NEW CONSTRUCTION.) PATCH AND REPAIR FLOOR AND WALL AS REQUIRED TO ACCEPT NEW FINISHES.
13. REMOVE HOLLOW METAL FRAME, TRANSOM, DOOR AND HARDWARE IN ITS ENTIRETY.
14. REMOVE EXISTING LOCKERS IN THEIR ENTIRETY.
15. REMOVE CONCRETE SHOWER CURB. PATCH AND REPAIR FLOOR AS REQUIRED TO ACCEPT NEW FINISHES.
16. REMOVE METAL STUDS AND GYPSUM BOARD WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH AND REPAIR FLOOR AND WALLS AS REQUIRED TO ACCEPT NEW FINISHES.
17. REMOVE EXISTING BLEACHERS IN THEIR ENTIRETY.
18. REMOVE METAL LOCKERS. REMOVE CONCRETE BASE AS REQUIRED FOR NEW CONSTRUCTION.
19. REMOVE DISPLAY CASE IN ITS ENTIRETY.
20. REMOVE MEDIA SHELVING IN ITS ENTIRETY.
21. REMOVE BASKETBALL GOALS IN THEIR ENTIRETY.
22. REMOVE EXISTING FLOOR DRAIN. REFER TO PLUMBING DRAWINGS.
23. REMOVE SCOREBOARD AND TURN OVER TO OWNER.
24. REMOVE VOID SLAB/STOOP/STEPS/RAMP AS REQUIRED FOR NEW CONSTRUCTION.
25. ~~REMOVE GYPSUM METAL STUD BULKHEAD COMPLETE.~~
26. REMOVE METAL BOOKSHELVES AND CASEWORK COMPLETE. PATCH AND REPAIR WALL TO MAKE LIKE NEW CONDITION. (AD-2)
27. REMOVE WALL COVERING IN ITS ENTIRETY. PREPARE WALL FOR NEW FINISHES.
28. REMOVE TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY. PREPARE EXISTING CONCRETE SLAB AS REQUIRED TO RECEIVE NEW FINISHES. PROVIDE LEVELING COMPOUND AS REQUIRED.
29. REMOVE MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS.
30. REMOVE CEILING MOUNTED MECHANICAL UNIT IN ITS ENTIRETY. REFER TO MECHANICAL DRAWINGS.
31. REMOVE FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. SALVAGE FIRE EXTINGUISHERS FOR INSTALLATION IN NEW CABINETS OR RELOCATED EXISTING CABINETS. COORDINATE ON SIGHT.
32. REMOVE CURTAIN TRACK AND CURTAIN IN THEIR ENTIRETY.
33. DEMOLISH EXISTING TERRAZZO, CONCRETE SLAB AND INSULATION TO BASE SLAB BELOW COMPLETE.
34. DEMOLISH BRICK, MASONRY AND CONCRETE STOOP COMPLETE.
35. EXISTING DOOR FRAME TO REMAIN. REMOVE DOOR, TRANSOM AND HARDWARE.
36. REMOVE HOLLOW METAL FRAME AND GLAZING IN ITS ENTIRETY.
37. REMOVE ACOUSTICAL PANELS IN THEIR ENTIRETY. PATCH AND REPAIR WALLS AS REQUIRED TO RECEIVE NEW FINISHES.
38. REMOVE CERAMIC TILE WALL SYSTEM IN ITS ENTIRETY. PREPARE EXISTING WALL AS REQUIRED TO RECEIVE NEW FINISHES.
39. ALTERNATE: DEMOLISH, PATCH AND REPAIR WALL CONSTRUCTION TO RECEIVE NEW DOOR. GRIND AND PREPARE FLOOR AS REQUIRED.
40. REMOVE BRICK BENCH IN ITS ENTIRETY. PREPARE FLOOR AND WALL AS REQUIRED.
41. BUSH HAMMER EXISTING TERRAZZO AS REQUIRED FOR NEW LEVEL FLOOR FINISHES. PROVIDE LEVELING COMPOUND AS REQUIRED.
42. REMOVE WOOD TRIM, TACKABLE WALL COMPLETE.
43. REMOVE TACKABLE WALL PANEL COMPLETE.
44. ALTERNATE: REMOVE MASONRY WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH AND REPAIR FLOOR AND WALL AS REQUIRED TO ACCEPT NEW FINISHES.
45. REMOVE PORTION OF EXISTING LIMESTONE PANEL AS REQUIRED FOR NEW CONSRTUCTION.
46. REMOVE PORTION OF EXISTING BULKHEAD FRAMING TO MATCH NEW 9'-0" BULKHEAD.
47. REMOVE EXISTING BULKHEAD EXTENSION FROM PREVIOUS PROJECT, PREPARE FOR RE FRAMING TO MATCH NEW 9'-0" BULKHEAD.
48. ALTERNATE: EXISTING DOOR FRAME TO REMAIN. REMOVE EXISTING DOOR, HARDWARE, AND TRANSOM TO ACCEPT NEW DOOR AND HARDWARE
49. REMOVE EXISTING CANOPY IN ITS ENTIRETY INCLUDING STEEL FRAMING, ROOFING AND CONCRETE FOOTINGS AS REQUIRED FOR NEW CONSTRUCTION.
50. AREA OF MODIFIED SAG ROD ASSEMBLY TO ACCOMMODATE NEW CONSTRUCTION. REMOVE PORTIONS OF EXISTING CHANNEL. ENSURE SAG ROD ASSEMBLY HAS MINIMUM OF 3 SAG RODS PER RUN AND SPACED AT MAXIMUM OF 48" APART. INSTALL NEW SAG ROD AND CHANNEL ASSEMBLY TO ENSURE WALL STABILITY ABOVE. (AD-2)
51. REMOVE PORTION OF BRICK AND MASONRY WALL TO RECEIVE NEW LOUVER. TOOTH IN SALVAGED BRICK AS REQUIRED.
52. DEMOLISH EXISTING SAG ROD ASSEMBLY TO ACCOMMODATE NEW CONSTRUCTION.
53. REMOVE CONTINUOUS BACK SPLASH AND WALL CABINETS COMPLETELY.
54. DEMOLISH EXISTING TERRAZZO AND INFILL WITH LIGHTWEIGHT CONCRETE. PREP AND DOWEL EXISTING AND NEW SLAB, REFER TO STRUCTURAL DRAWINGS.
55. DEMOLISH EXISTING TERRAZZO AND CONCRETE SLAB COMPLETE.
56. LINE OF SLAB DEMOLITION.
57. REMOVE EXISTING COOLER FREEZER IN ITS ENTIRETY.
58. MODIFY METAL STUD AND GYPSUM BOARD WALL ASSEMBLY TO RECEIVE NEW VUV CONSTRUCTION. (AD-2)

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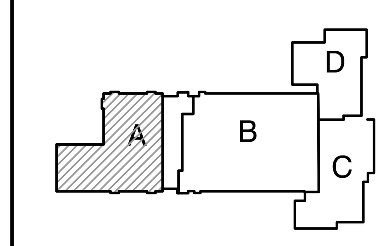
TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY MMM
CHECKED BY JPB

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

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "A" ARCHITECTURAL SECOND FLOOR DEMOLITION PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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A

SHEET AD102

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35 EXISTING DOOR FRAME TO REMAIN. REMOVE DOOR, TRANSOM AND HARDWARE.

36 REMOVE HOLLOW METAL FRAME AND GLAZING IN ITS ENTIRETY.

37 REMOVE ACOUSTICAL PANELS IN THEIR ENTIRETY. PATCH AND REPAIR WALLS AS REQUIRED TO RECEIVE NEW FINISHES.

38 REMOVE CERAMIC TILE WALL SYSTEM IN ITS ENTIRETY. PREPARE EXISTING WALL AS REQUIRED TO RECEIVE NEW FINISHES.

39 ALTERNATE: DEMOLISH, PATCH AND REPAIR WALL CONSTRUCTION TO RECEIVE NEW DOOR. GRIND AND PREPARE FLOOR AS REQUIRED.

40 REMOVE BRICK BENCH IN ITS ENTIRETY. PREPARE FLOOR AND WALL AS REQUIRED.

41 BUSH HAMMER EXISTING TERRAZZO AS REQUIRED FOR NEW LEVEL FLOOR FINISHES. PROVIDE LEVELING COMPOUND AS REQUIRED.

42 REMOVE WOOD TRIM, TACKABLE WALL COMPLETE.

43 REMOVE TACKABLE WALL PANEL COMPLETE.

44 ALTERNATE: REMOVE MASONRY WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH AND REPAIR FLOOR AND WALL AS REQUIRED TO ACCEPT NEW FINISHES.

45 REMOVE PORTION OF EXISTING LIMESTONE PANEL AS REQUIRED FOR NEW CONSRTUCTION.

46 REMOVE PORTION OF EXISTING BULKHEAD FRAMING TO MATCH NEW 9'-0" BULKHEAD.

47 REMOVE EXISTING BULKHEAD EXTENSION FROM PREVIOUS PROJECT, PREPARE FOR RE FRAMING TO MATCH NEW 9'-0" BULKHEAD.

48 ALTERNATE: EXISTING DOOR FRAME TO REMAIN. REMOVE EXISTING DOOR, HARDWARE, AND TRANSOM TO ACCEPT NEW DOOR AND HARDWARE

49 REMOVE EXISTING CANOPY IN ITS ENTIRETY INCLUDING STEEL FRAMING, ROOFING AND CONCRETE FOOTINGS AS REQUIRED FOR NEW CONSTRUCTION.

50 AREA OF MODIFIED SAG ROD ASSEMBLY TO ACCOMMODATE NEW CONSTRUCTION. REMOVE PORTIONS OF EXISTING CHANNEL. ENSURE SAG ROD ASSEMBLY HAS MINIMUM OF 3 SAG RODS PER RUN AND SPACED AT MAXIMUM OF 48" APART. INSTALL NEW SAG ROD AND CHANNEL ASSEMBLY TO ENSURE WALL STABILITY ABOVE. AD-2

51 REMOVE PORTION OF BRICK AND MASONRY WALL TO RECEIVE NEW LOUVER. TOOTH IN SALVAGED BRICK AS REQUIRED.

52 DEMOLISH EXISTING SAG ROD ASSEMBLY TO ACCOMMODATE NEW CONSTRUCTION.

53 REMOVE CONTINUOUS BACK SPLASH AND WALL CABINETS COMPLETELY.

54 DEMOLISH EXISTING TERRAZZO AND INFILL WITH LIGHTWEIGHT CONCRETE. PREP AND DOWEL EXISTING AND NEW SLAB, REFER TO STRUCTURAL DRAWINGS.

55 DEMOLISH EXISTING TERRAZZO AND CONCRETE SLAB COMPLETE.

56 LINE OF SLAB DEMOLITION.

57 REMOVE EXISTING COOLER FREEZER IN ITS ENTIRETY.

58 MODIFY METAL STUD AND GYPSUM BOARD WALL ASSEMBLY TO RECEIVE NEW VUV CONSTRUCTION. AD-2

17 REMOVE EXISTING BLEACHERS IN THEIR ENTIRETY.

18 REMOVE METAL LOCKERS. REMOVE CONCRETE BASE AS REQUIRED FOR NEW CONSTRUCTION.

19 REMOVE DISPLAY CASE IN ITS ENTIRETY.

20 REMOVE MEDIA SHELVING IN ITS ENTIRETY.

21 REMOVE BASKETBALL GOALS IN THEIR ENTIRETY.

22 REMOVE EXISTING FLOOR DRAIN. REFER TO PLUMBING DRAWINGS.

23 REMOVE SCOREBOARD AND TURN OVER TO OWNER.

24 REMOVE VOID SLAB/STOOP/STEPS/RAMP AS REQUIRED FOR NEW CONSTRUCTION.

25 REMOVE GYPSUM METAL STUD BULKHEAD COMPLETE.

26 REMOVE METAL BOOKSHELVES AND CASEWORK COMPLETE. PATCH AND REPAIR WALL TO MAKE LIKE NEW CONDITION. AD-2

27 REMOVE WALL COVERING IN ITS ENTIRETY. PREPARE WALL FOR NEW FINISHES.

28 REMOVE TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY. PREPARE EXISTING CONCRETE SLAB AS REQUIRED TO RECEIVE NEW FINISHES. PROVIDE LEVELING COMPOUND AS REQUIRED.

29 REMOVE MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS.

30 REMOVE CEILING MOUNTED MECHANICAL UNIT IN ITS ENTIRETY. REFER TO MECHANICAL DRAWINGS.

31 REMOVE FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. SALVAGE FIRE EXTINGUISHERS FOR INSTALLATION IN NEW CABINETS OR RELOCATED EXISTING CABINETS. COORDINATE ON SIGHT.

32 REMOVE CURTAIN TRACK AND CURTAIN IN THEIR ENTIRETY.

33 DEMOLISH EXISTING TERRAZZO, CONCRETE SLAB AND INSULATION TO BASE SLAB BELOW COMPLETE.

34 DEMOLISH BRICK, MASONRY AND CONCRETE STOOP COMPLETE.

DEMOLITION PLAN NOTES:

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

1 REMOVE ALUMINUM WINDOW AND/OR STOREFRONT FRAMING, DOORS, AND HARDWARE IN ITS ENTIRETY. REPAIR JAMB AND FLOOR AS REQUIRED FOR NEW FINISH.

2 REMOVE ACOUSTICAL BOARD CEILING SYSTEM IN ITS ENTIRETY.

3 REMOVE CARPET FLOORING SYSTEM AND BASE IN ITS ENTIRETY. PREPARE EXISTING CONCRETE SLAB AS REQUIRED TO RECEIVE NEW FINISHES.

4 DEMOLISH AND PREPARE EXISTING CONCRETE SURFACE TREATMENT TO RECEIVE NEW CONSTRUCTION.

5 REMOVE VINYL TILE FLOORING SYSTEM 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. PROVIDE LEVELING COMPOUND AS REQUIRED.

7 REMOVE DISPLAY WALL, CHALK, MARKER, AND/OR TACKBOARDS IN THEIR ENTIRETY.

8 REMOVE EXISTING BUILT-IN CASEWORK.

9 REMOVE PORTION OF MASONRY WALL AS REQUIRED TO INSTALL NEW DOOR.

10 REMOVE PLUMBING FIXTURES COMPLETE. REFER TO PLUMBING DRAWINGS. WHERE PIPING IS REQUIRED TO BE CAPPED, CAP BELOW AND/OR BEHIND FINISHED SURFACE.

11 REMOVE TOILET PARTITIONS IN THEIR ENTIRETY.

12 REMOVE MASONRY WALL (AS REQUIRED FOR NEW CONSTRUCTION.) PATCH AND REPAIR FLOOR AND WALL AS REQUIRED TO ACCEPT NEW FINISHES.

13 REMOVE HOLLOW METAL FRAME, TRANSOM, DOOR AND HARDWARE IN ITS ENTIRETY.

14 REMOVE EXISTING LOCKERS IN THEIR ENTIRETY.

15 REMOVE CONCRETE SHOWER CURB. PATCH AND REPAIR FLOOR AS REQUIRED TO ACCEPT NEW FINISHES.

16 REMOVE METAL STUDS AND GYPSUM BOARD WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH AND REPAIR FLOOR AND WALLS AS REQUIRED TO ACCEPT NEW FINISHES.

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 BACKING, ADHESIVES, 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. PROVIDE TOPPING SLAB AND FLOOR LEVEL AS REQUIRED FOR APPLICATION OF NEW CONDITIONS.

Y. NEW CMU CONSTRUCTION SHALL NOT BEAR ON EXISTING TERRAZZO OR CONCRETE TOPPING SLAB. DEMOLISH TERRAZZO AND EXISTING CONCRETE SLAB BELOW WHERE OCCURRING. AD-2

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, OR 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.

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.

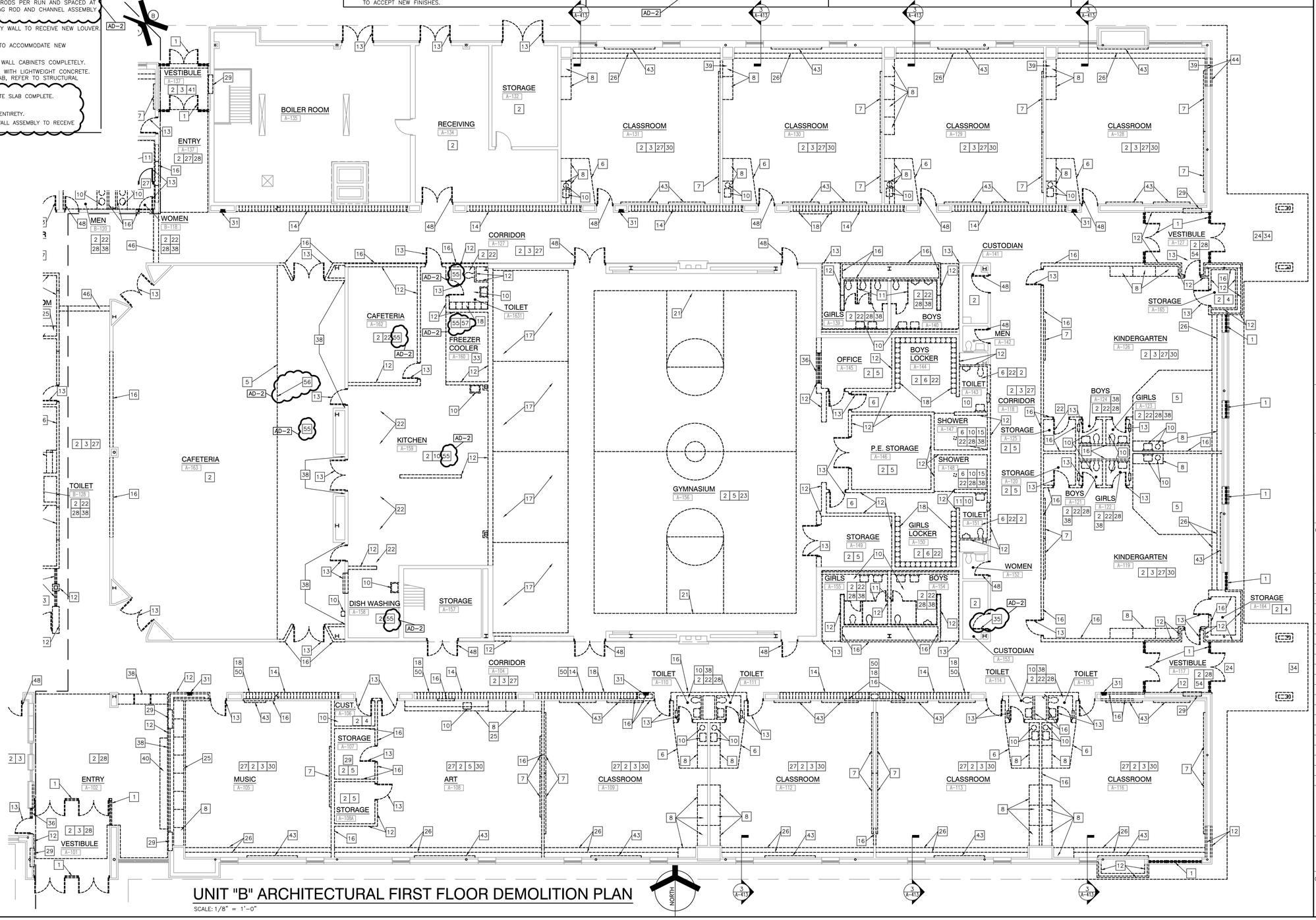
D. BOLD DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE EXTENT OF DEMOLITION WORK PRIOR TO BIDDING AND FOR COORDINATING THE EXTENT OF DEMOLITION WITH THE INSTALLATION OF NEW SYSTEMS.

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).



UNIT "B" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN

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

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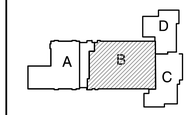
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY MMM
CHECKED BY JPB

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

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AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "B" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET B AD103

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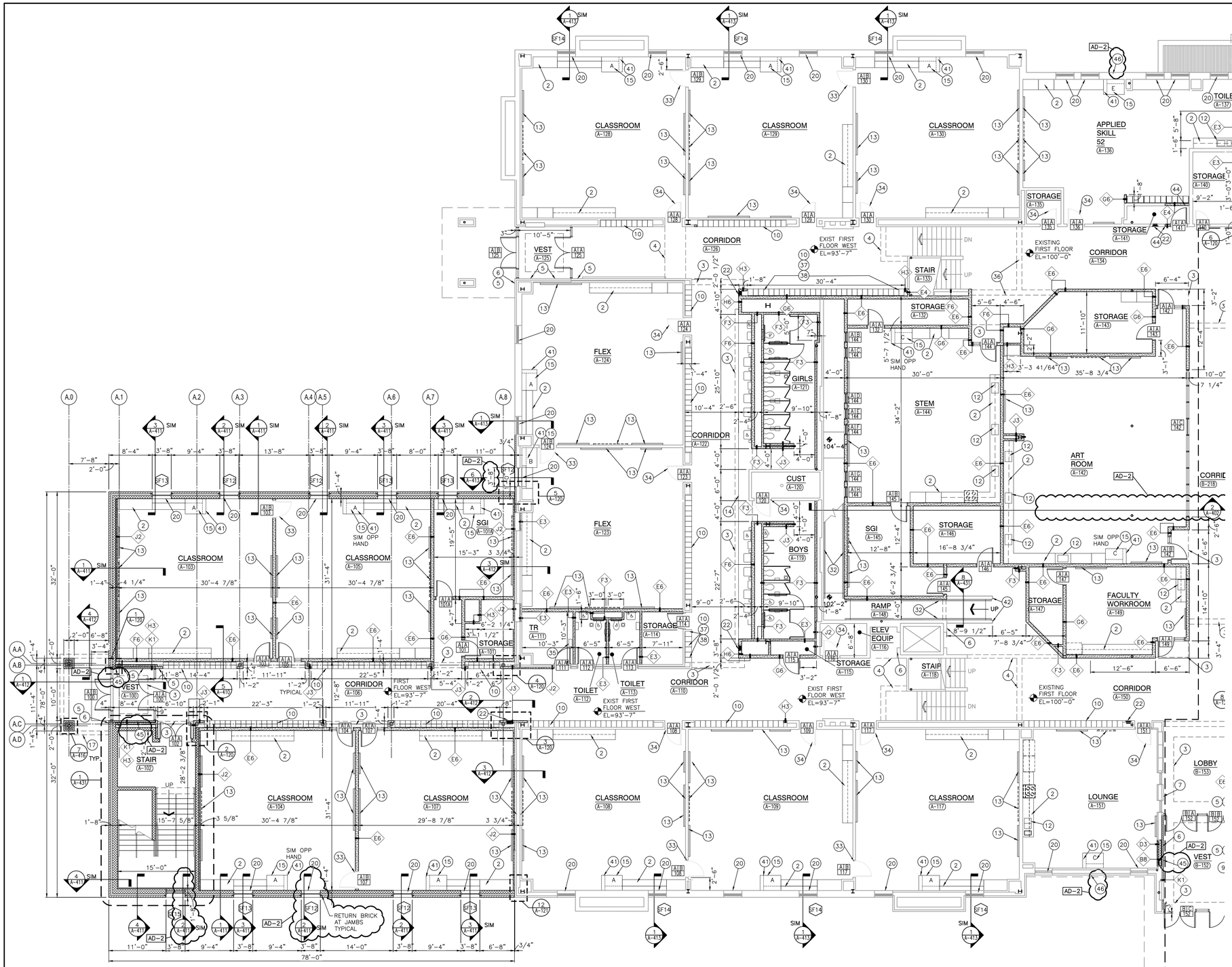

UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN

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

NORTH

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI 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 BE RUNNING BOND UNLESS NOTED OTHERWISE.

J. 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.

K. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

L. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

M. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.

PLAN LEGEND:

INDICATES MISCELLANEOUS CASEWORK ELEVATION SYMBOL – REFER TO A-800 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

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

X'-X" INDICATES CEILING/BULKHEAD HEIGHT ABOVE FINISHED FLOOR

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. DASH LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS.
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. (TYP.)
14. FLOOR FINISH TRANSITION, REFER TO FINISH PLANS.
15. UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
16. CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
17. LINE OF NEW CANOPY, REFER TO SECTIONS.
18. ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
19. AI DEVICE, REFER TO ELECTRICAL.
20. INSTALL SOLID SURFACE WINDOW SILL SIMILAR TO SILL INDICATED IN SECTION 9/A-610.
21. CURTAIN AND TRACK (6" RADIUS AT CORNER) IF REQUIRED. (9/A-501)
22. SEMI RECESSED FIRE EXTINGUISHER CABINET. MODIFY WALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CABINET AND MOUNTING HEIGHT. (7/A-501)
23. 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.
24. ALUMINUM DIVIDER RAIL, REFER TO SPECIFICATION.
25. ROOF BELOW, REFER TO ROOF PLAN. AD-2
26. PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSE KEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
27. PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION. (2/A-501)
28. ROLLING COUNTER DOOR. (1/A-501)
29. ROLLING SERVICE DOOR. (3/A-501)
30. MECHANICAL GRILL COVER.
32. 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.
33. ALTERNATE: NEW DOOR, FRAME AND HARDWARE, REFER TO A-603
34. ALTERNATE: EXISTING FRAMES TO REMAIN. INSTALL NEW DOOR, HARDWARE AND WOOD TRANSOM WHERE APPLICABLE.
35. ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS.
36. DASH LINE INDICATES ADJUSTED BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. AD-2
37. NEW CONCRETE LOCKER BASE TO MATCH EXISTING.
38. AREA OF WALL CONSTRUCTION ABOVE LOCKERS EXTEND STUD FRAMING TO DECK AND BUILDING STRUCTURE ABOVE. BRACE LATERALLY TO BUILDING STRUCTURE AND ADJACENT WALL CONSTRUCTION. INSTALL SAG ROD AND CHANNEL ASSEMBLY. REFER TO STRUCTURAL. AD-2
39. MODIFY EXISTING WALL AS REQUIRED TO ANCHOR NEW CONSTRUCTION TO WALL TYPE INDICATED.
40. RETAINING WALL. REFER TO CIVIL AND STRUCTURAL. AD-2
41. UNIT VENTILATOR HEAVY GAUGE PAINTED METAL CLOSURE TO MATCH UNIT VENTILATOR. COORDINATE EACH CONDITION IN FIELD WITH WALL, FLOOR AND CEILING CONDITION. (11/A-501)
42. LOW WALL, REFER TO 8/A-431.
43. ROOF HATCH.
44. ADD ADDITIONAL LAYERS OF GYPSUM BOARD AND SKIM COAT AS REQUIRED FOR BOTH SIDES OF NEW INFILL TO BE FLUSH WITH EXISTING WALL. (10/A-210) AD-2
45. FACE BRICK (TYPE 1) RUNNING BOND ~ COLOR A.
46. REFER TO 6/A-501. AD-2

GIBRALTAR DESIGN
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PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

KEY PLAN

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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY MMM
CHECKED BY JPB

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

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING

UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET A-101

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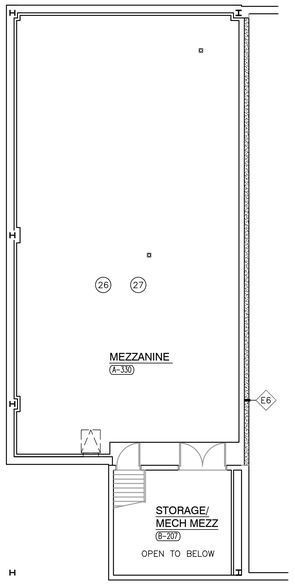
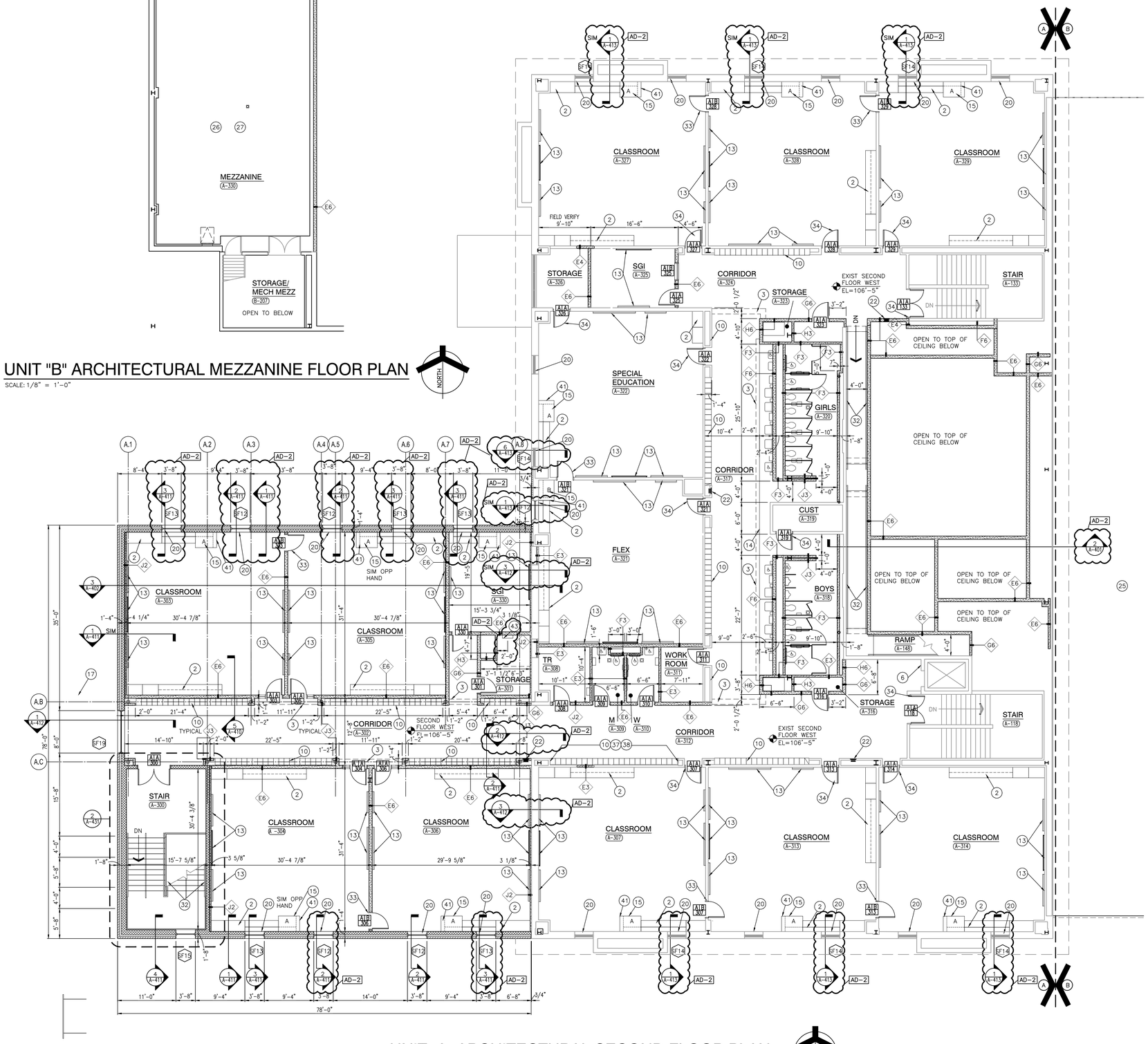


UNIT "B" ARCHITECTURAL MEZZANINE FLOOR PLAN

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



UNIT "A" ARCHITECTURAL SECOND FLOOR PLAN

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

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI 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 BE RUNNING BOND UNLESS NOTED OTHERWISE.

J. 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.

K. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

L. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

M. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.

PLAN LEGEND:

INDICATES MISCELLANEOUS CASEWORK ELEVATION SYMBOL – REFER TO A-800 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

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

"X'-X" INDICATES CEILING/BULKHEAD HEIGHT ABOVE FINISHED FLOOR

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. DASH LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS.
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. (TYP.)
14. FLOOR FINISH TRANSITION, REFER TO FINISH PLANS.
15. UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
16. CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
17. LINE OF NEW CANOPY, REFER TO SECTIONS.
18. ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
19. AI DEVICE, REFER TO ELECTRICAL.
20. INSTALL SOLID SURFACE WINDOW SILL SIMILAR TO SILL INDICATED IN SECTION 9/A-610.
21. CURTAIN AND TRACK (6" RADIUS AT CORNER) IF REQUIRED. (9/A-501)
22. SEMI RECESSED FIRE EXTINGUISHER CABINET. MODIFY WALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CABINET AND MOUNTING HEIGHT (7/A-501)
23. 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.
24. ALUMINUM DIVIDER RAIL. REFER TO SPECIFICATION. AD-2
25. ROOF BELOW. REFER TO ROOF PLAN. AD-2
26. PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSE KEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
27. PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION.
28. ROLLING COUNTER DOOR. (2/A-502)
29. ROLLING SERVICE DOOR. (1/A-502)
30. MECHANICAL GRILL COVER. (3/A-501)
32. 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.
33. ALTERNATE: NEW DOOR, FRAME AND HARDWARE, REFER TO A-603
34. ALTERNATE: EXISTING FRAMES TO REMAIN, INSTALL NEW DOOR, HARDWARE AND WOOD TRANSOM WHERE APPLICABLE.
35. ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS.
36. DASH LINE INDICATES ADJUSTED BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. AD-2
37. NEW CONCRETE LOCKER BASE TO MATCH EXISTING.
38. AREA OF WALL CONSTRUCTION ABOVE LOCKERS EXTEND STUD FRAMING TO DECK AND BUILDING STRUCTURE ABOVE. BRACE LATERALLY TO BUILDING STRUCTURE AND ADJACENT WALL CONSTRUCTION. INSTALL SAG ROD AND CHANNEL ASSEMBLY. REFER TO STRUCTURAL. AD-2 AD-2
39. MODIFY EXISTING WALL AS REQUIRED TO ANCHOR NEW CONSTRUCTION TO WALL TYPE INDICATED.
40. RETAINING WALL. REFER TO CIVIL AND STRUCTURAL. AD-2
41. UNIT VENTILATOR HEAVY GAUGE PAINTED METAL CLOSURE TO MATCH UNIT VENTILATOR. COORDINATE EACH CONDITION IN FIELD WITH WALL, FLOOR AND CEILING CONDITION. (1.1/A-501)
42. LOW WALL, REFER TO 8/A-431.
43. ROOF HATCH. (10/A-210)
44. ADD ADDITIONAL LAYERS OF GYPSUM BOARD AND SKIM COAT AS REQUIRED FOR BOTH SIDES OF NEW INFILL TO BE FLUSH WITH EXISTING WALL.
45. FACE BRICK (TYPE 1) RUNNING BOND – COLOR A.
46. REFER TO 6/A-501. AD-2

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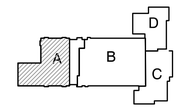
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY MMM
CHECKED BY JPB

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

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "A" ARCHITECTURAL SECOND FLOOR PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET A-102

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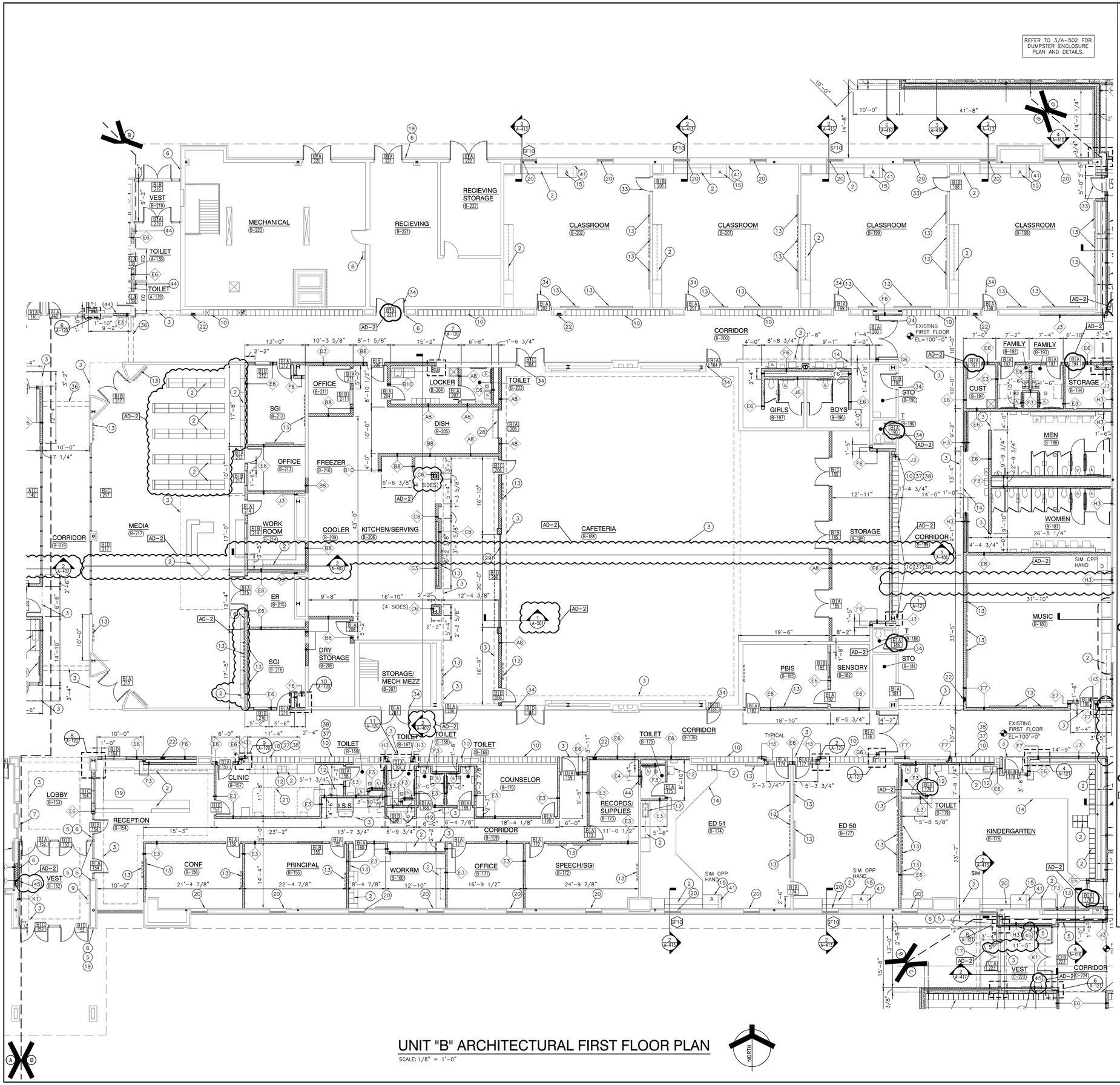
ARCH\A-102.DWG



UNIT "B" ARCHITECTURAL FIRST FLOOR PLAN

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

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI 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 BE RUNNING BOND UNLESS NOTED OTHERWISE.

J. 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.

K. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

L. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

M. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.

PLAN LEGEND:

INDICATES MISCELLANEOUS CASEWORK ELEVATION SYMBOL – REFER TO A-800 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

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

X'-X" INDICATES CEILING/BULKHEAD HEIGHT ABOVE FINISHED FLOOR

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. DASH LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS.
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. (TYP.)
14. FLOOR FINISH TRANSITION, REFER TO FINISH PLANS.
15. UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
16. CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
17. LINE OF NEW CANOPY, REFER TO SECTIONS.
18. ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
19. AI DEVICE, REFER TO ELECTRICAL.
20. INSTALL SOLID SURFACE WINDOW SILL SIMILAR TO SILL INDICATED IN SECTION 9/A-610.
21. CURTAIN AND TRACK (6" RADIUS AT CORNER) IF REQUIRED. — 4/A-501
22. SEMI RECESSED FIRE EXTINGUISHER CABINET. MODIFY WALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CABINET AND MOUNTING HEIGHT — 7/A-501
23. 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.
24. ALUMINUM DIVIDER RAIL, REFER TO SPECIFICATION. AD-2
25. ROOF BELOW, REFER TO ROOF PLAN. AD-2
26. PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSE KEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
27. PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION.
28. ROLLING COUNTER DOOR. — 2/A-502
29. ROLLING SERVICE DOOR. — 1/A-502
30. MECHANICAL GRILL COVER. — 3/A-501
32. 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.
33. ALTERNATE: NEW DOOR, FRAME AND HARDWARE, REFER TO A-603
34. ALTERNATE: EXISTING FRAMES TO REMAIN, INSTALL NEW DOOR, HARDWARE AND WOOD TRANSOM WHERE APPLICABLE.
35. ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS.
36. DASH LINE INDICATES ADJUSTED BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS.
37. NEW CONCRETE LOCKER BASE TO MATCH EXISTING. AD-2
38. AREA OF WALL CONSTRUCTION ABOVE LOCKERS EXTEND STUD FRAMING TO DECK AND BUILDING STRUCTURE ABOVE. BRACE LATERALLY TO BUILDING STRUCTURE AND ADJACENT WALL CONSTRUCTION. INSTALL SAG ROD AND CHANNEL ASSEMBLY. REFER TO STRUCTURAL. AD-2 AD-2
39. MODIFY EXISTING WALL AS REQUIRED TO ANCHOR NEW CONSTRUCTION. NEW WALL TYPE INDICATED. AD-2
40. RETAINING WALL, REFER TO CIVIL AND STRUCTURAL. AD-2
41. UNIT VENTILATOR HEAVY GAUGE PAINTED METAL CLOSURE TO MATCH UNIT VENTILATOR. COORDINATE EACH CONDITION IN FIELD WITH WALL, FLOOR AND CEILING CONDITION. — 11/A-501
42. LOW WALL, REFER TO 8/A-431.
43. ROOF HATCH. — 10/A-210
44. ADD ADDITIONAL LAYERS OF GYPSUM BOARD AND SKIM COAT AS REQUIRED FOR BOTH SIDES OF NEW INFILL TO BE FLUSH WITH EXISTING WALL.
45. FACE BRICK (TYPE 1) RUNNING BOND – COLOR A. AD-2
46. REFER TO 6/A-501.

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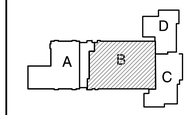
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



KEY PLAN

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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY MMM
CHECKED BY JPB

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

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "B" ARCHITECTURAL FIRST FLOOR PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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B

SHEET A-103

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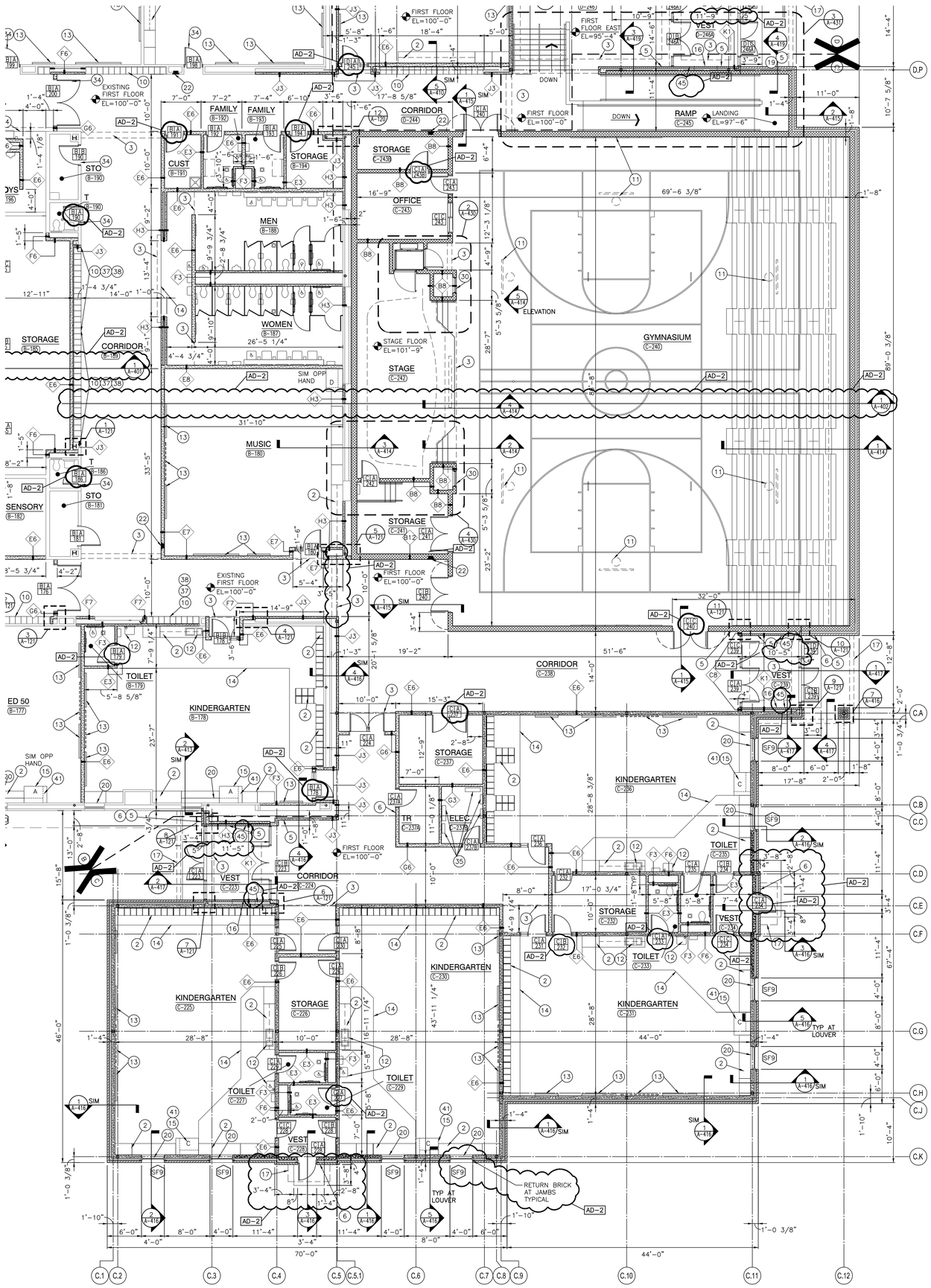

UNIT "C" ARCHITECTURAL FIRST FLOOR PLAN

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

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI 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 BE RUNNING BOND UNLESS NOTED OTHERWISE.

J. 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.

K. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

L. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

M. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.

PLAN LEGEND:

- INDICATES MISCELLANEOUS CASEWORK ELEVATION SYMBOL – REFER TO A-800 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
- INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
- INDICATES WALL TYPES REFER TO G-201 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.
- X'-X" INDICATES CEILING/BULKHEAD HEIGHT ABOVE FINISHED FLOOR

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. DASH LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS.
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. (TYP.)
14. FLOOR FINISH TRANSITION, REFER TO FINISH PLANS.
15. UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
16. CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
17. LINE OF NEW CANOPY, REFER TO SECTIONS.
18. ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
19. AI DEVICE, REFER TO ELECTRICAL.
20. INSTALL SOLID SURFACE WINDOW SILL SIMILAR TO SILL INDICATED IN SECTION 9/A-610.
21. CURTAIN AND TRACK (6" RADIUS AT CORNER) IF REQUIRED. — 9/A-501
22. SEMI RECESSED FIRE EXTINGUISHER CABINET. MODIFY WALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CABINET AND MOUNTING HEIGHT — 7/A-501
23. 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.
24. ALUMINUM DIVIDER RAIL, REFER TO SPECIFICATIONS.
25. ROOF BELOW, REFER TO ROOF PLAN. AD-2
26. PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSE KEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
27. PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION.
28. ROLLING COUNTER DOOR. — 2/A-502
29. ROLLING SERVICE DOOR. — 1/A-502
30. MECHANICAL GRILL COVER. — 3/A-501
32. 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.
33. ALTERNATE: NEW DOOR, FRAME AND HARDWARE, REFER TO A-603
34. ALTERNATE: EXISTING FRAMES TO REMAIN, INSTALL NEW DOOR, HARDWARE AND WOOD TRANSOM WHERE APPLICABLE.
35. ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS.
36. DASH LINE INDICATES ADJUSTED BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS.
37. NEW CONCRETE LOCKER BASE TO MATCH EXISTING. AD-2
38. AREA OF WALL CONSTRUCTION ABOVE LOCKERS EXTEND STUD FRAMING TO DECK AND BUILDING STRUCTURE ABOVE. BRACE LATERALLY TO BUILDING STRUCTURE AND ADJACENT WALL CONSTRUCTION. INSTALL SAG ROD AND CHANNEL ASSEMBLY. REFER TO STRUCTURAL. AD-2 AD-2
39. MODIFY EXISTING WALL AS REQUIRED TO ANCHOR NEW CONSTRUCTION TO WALL TYPE INDICATED.
40. RETAINING WALL, REFER TO CIVIL AND STRUCTURAL. AD-2
41. UNIT VENTILATOR HEAVY GAUGE PAINTED METAL CLOSURE TO MATCH UNIT VENTILATOR. COORDINATE EACH CONDITION IN FIELD WITH WALL, FLOOR AND CEILING CONDITION. — 11/A-501
42. LOW WALL, REFER TO 8/A-431.
43. ROOF HATCH. — 10/A-210
44. ADD ADDITIONAL LAYERS OF GYPSUM BOARD AND SKIM COAT AS REQUIRED FOR BOTH SIDES OF NEW INFILL TO BE FLUSH WITH EXISTING WALL.
45. FACE BRICK (TYPE 1) RUNNING BOND – COLOR A.
46. REFER TO 6/A-501. AD-2

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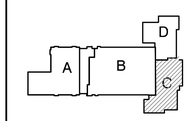
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



KEY PLAN

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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY MMM
CHECKED BY JPB

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

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REVISIONS

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AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "C" ARCHITECTURAL FIRST FLOOR PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET C A-104

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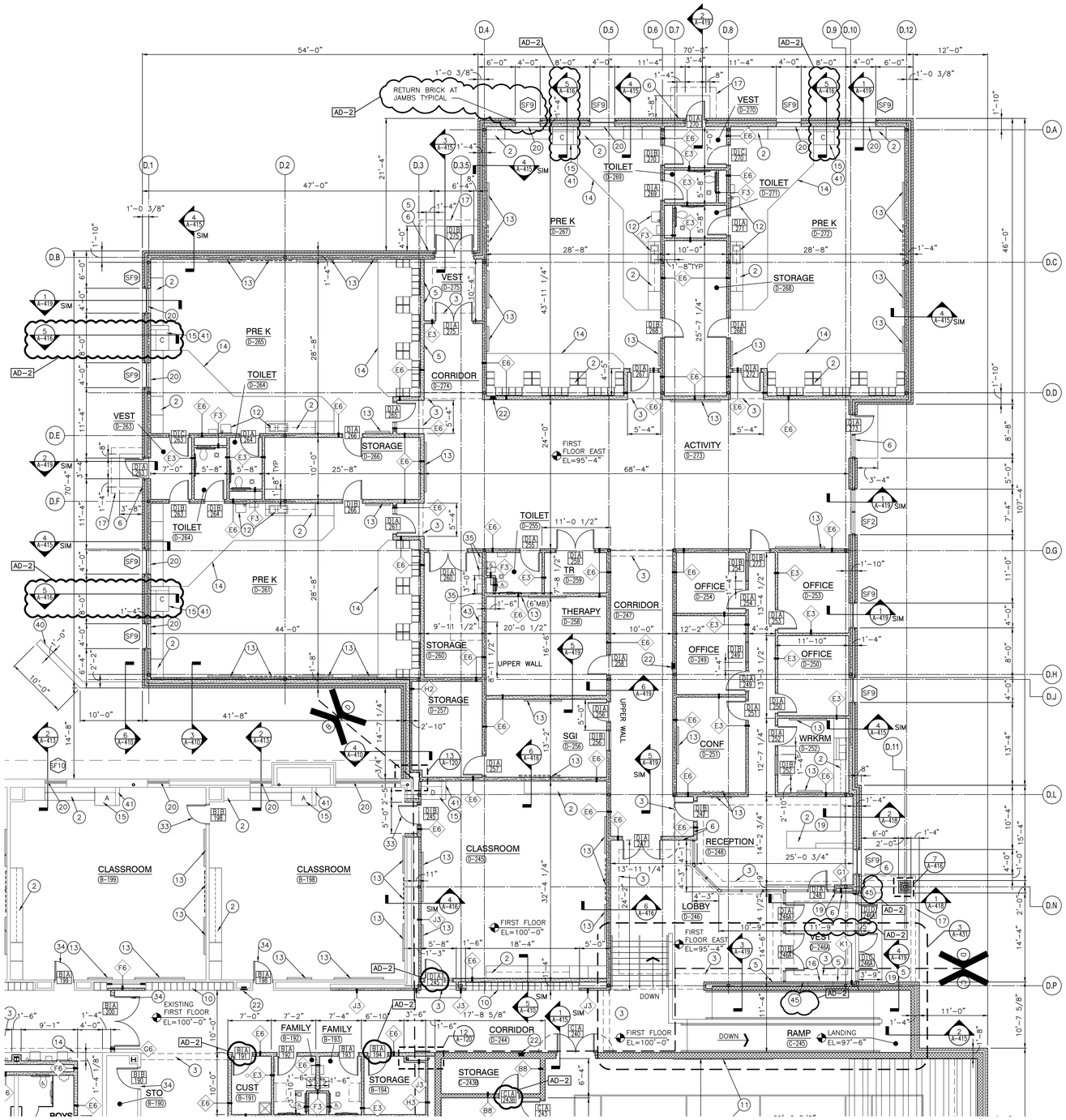

UNIT "D" ARCHITECTURAL FIRST FLOOR PLAN

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

NORTH

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI 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 BE RUNNING BOND UNLESS NOTED OTHERWISE.

J. 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.

K. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

L. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

M. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.

PLAN LEGEND:

INDICATES MISCELLANEOUS CASEWORK ELEVATION SYMBOL – REFER TO A-800 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

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

X'-X" INDICATES CEILING/BULKHEAD HEIGHT ABOVE FINISHED FLOOR

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. DASH LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS.
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. (TYP.)
14. FLOOR FINISH TRANSITION, REFER TO FINISH PLANS.
15. UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
16. CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
17. LINE OF NEW CANOPY, REFER TO SECTIONS.
18. ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
19. AI DEVICE, REFER TO ELECTRICAL.
20. INSTALL SOLID SURFACE WINDOW SILL SIMILAR TO SILL INDICATED IN SECTION 9/A-610.
21. CURTAIN AND TRACK (6" RADIUS AT CORNER) IF REQUIRED. (9/A-501) (7/A-501)
22. SEMI RECESSED FIRE EXTINGUISHER CABINET. MODIFY WALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CABINET AND MOUNTING HEIGHT
23. 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.
24. ALUMINUM DIVIDER RAIL. REFER TO SPECIFICATION.
25. HOOD BELOW. REFER TO ROOF PLAN. AD-2
26. PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSE KEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
27. PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION. (2/A-501)
28. ROLLING COUNTER DOOR. (1/A-502)
29. ROLLING SERVICE DOOR. (1/A-502)
30. MECHANICAL GRILL COVER. (3/A-501)
32. 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.
33. ALTERNATE: NEW DOOR, FRAME AND HARDWARE, REFER TO A-603
34. ALTERNATE: EXISTING FRAMES TO REMAIN, INSTALL NEW DOOR, HARDWARE AND WOOD TRANSOM WHERE APPLICABLE.
35. ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS.
36. DASH LINE INDICATES ADJUSTED BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. AD-2
37. NEW CONCRETE LOCKER BASE TO MATCH EXISTING.
38. AREA OF WALL CONSTRUCTION ABOVE LOCKERS EXTEND STUD FRAMING TO DECK AND BUILDING STRUCTURE ABOVE. BRACE LATERALLY TO BUILDING STRUCTURE AND ADJACENT WALL CONSTRUCTION. INSTALL SAG ROD AND CHANNEL ASSEMBLY. REFER TO STRUCTURAL. AD-2 AD-2
39. MODIFY EXISTING WALL AS REQUIRED TO ANCHOR NEW CONSTRUCTION. (10/A-501) WALL TYPE INDICATED.
40. RETAINING WALL. REFER TO CIVIL AND STRUCTURAL. AD-2
41. UNIT VENTILATOR HEAVY GAUGE PAINTED METAL CLOSURE TO MATCH UNIT VENTILATOR. COORDINATE EACH CONDITION IN FIELD WITH WALL, FLOOR AND CEILING CONDITION. (11/A-501)
42. LOW WALL, REFER TO 8/A-431.
43. ROOF HATCH.
44. ADD ADDITIONAL LAYERS OF GYPSUM BOARD AND SKIM COAT AS REQUIRED FOR BOTH SIDES OF NEW INFILL TO BE FLUSH WITH EXISTING WALL. (10/A-210)
45. FACE BRICK (TYPE 1) RUNNING BOND – COLOR A.
46. REFER TO 6/A-501. AD-2

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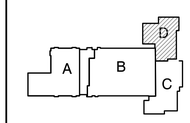
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



KEY PLAN

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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY MMM
CHECKED BY JPB

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

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REVISIONS

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AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "D" ARCHITECTURAL FIRST FLOOR PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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D

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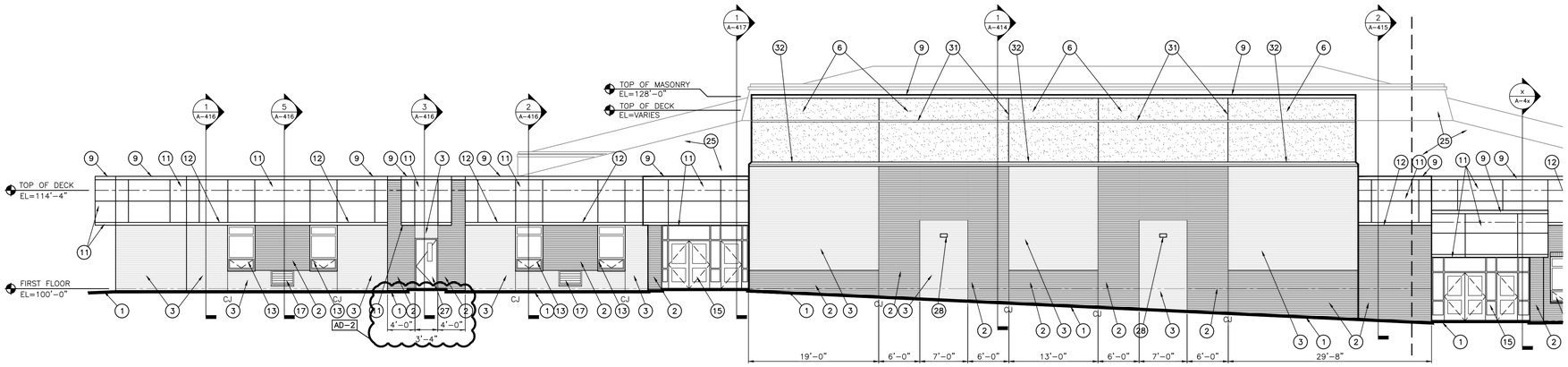
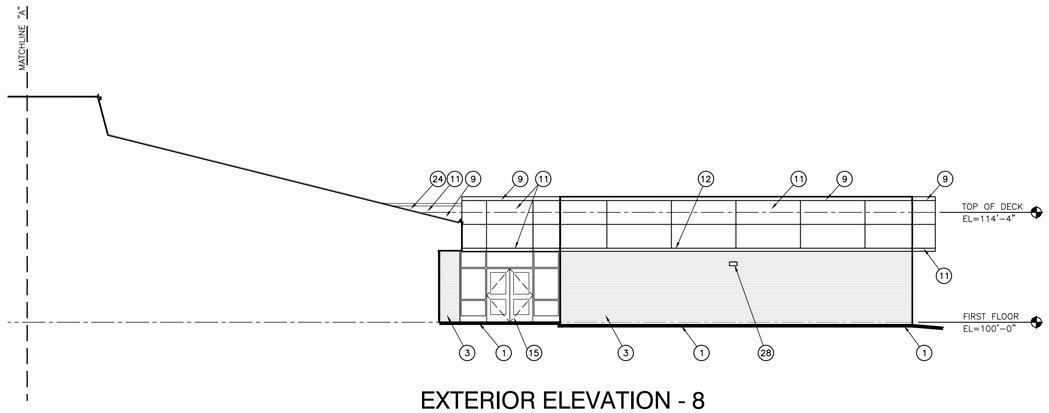


EXTERIOR ELEVATION - 9

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



EXTERIOR ELEVATION - 8

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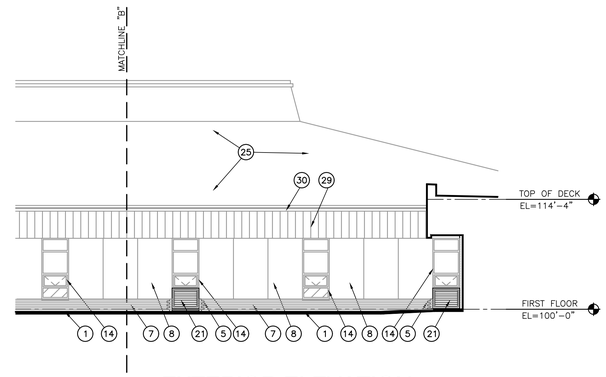
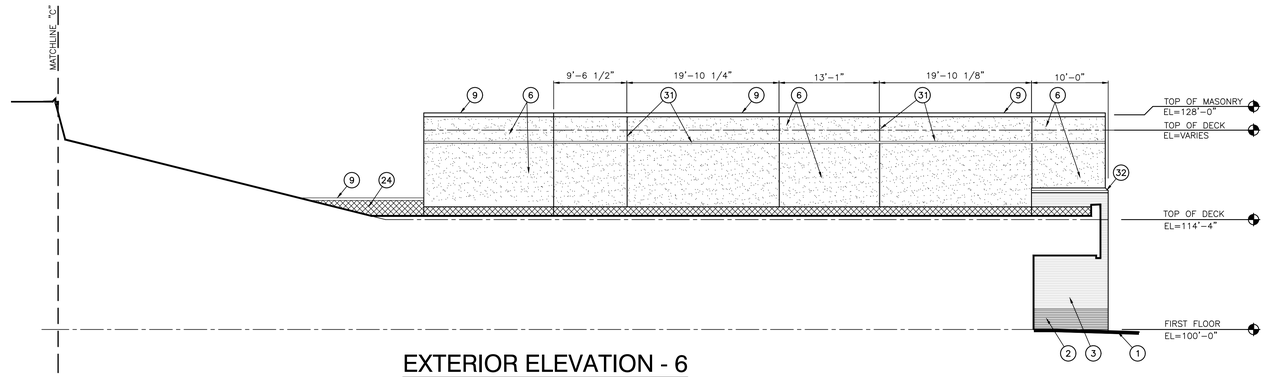


EXTERIOR ELEVATION - 7

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



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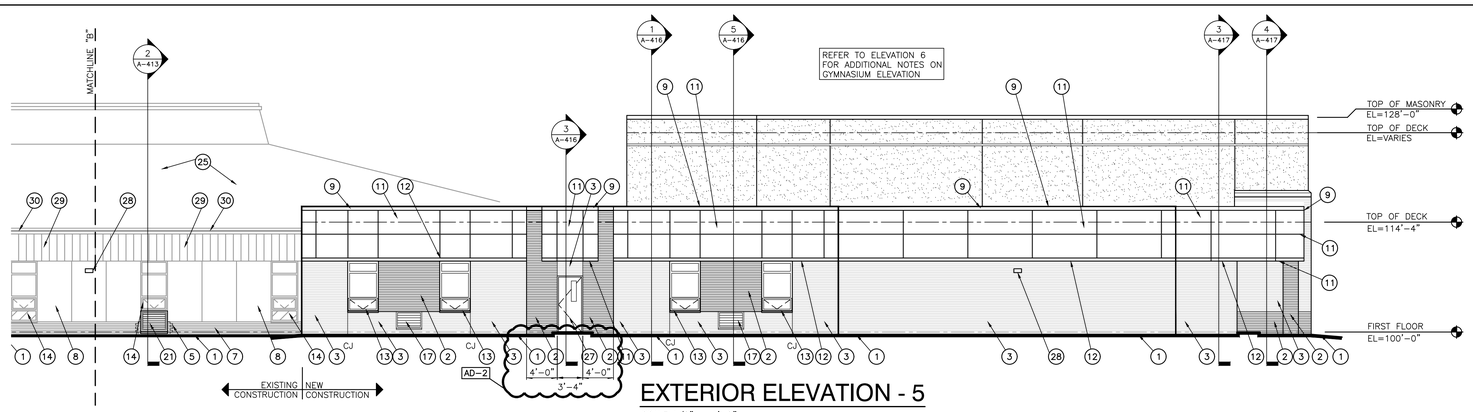
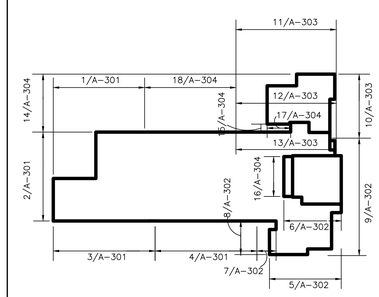
SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION - 5

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



KEY PLAN

SCALE: NTS

GENERAL ELEVATION NOTES:

A. REFER TO STRUCTURAL. DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.

B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.

C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.

D. ALL NEW FACE BRICK SHALL BE MODULAR RUNNING BOND UNLESS NOTED OTHERWISE.

E. FINISH GRADE INDICATES ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHINGS WITH ACTUAL GRADES AS REQUIRED FOR CELL VENTS TO BE ABOVE GRADE.

F. STEP BRICK LEDGE DOWN AS REQUIRED FOR LEDGE TO BE BELOW GRADE OR CONCRETE WALK. COORDINATE WITH CIVIL DRAWINGS.

G. (CJ) INDICATES CONTROL JOINT. REFER TO DETAIL X/A-XXX

H. (EJ) INDICATED BUILDING EXPANSION JOINT. REFER TO DETAIL X/A-XXX

I. ALL VERTICAL CONTROL JOINTS IN EXISTING EXTERIOR BRICK WALL TO REMAIN ARE TO BE REMOVED AND PLACED WITH NEW SEALANT AND BACKER ROD.

J. AT ALL EXISTING WINDOWS TO REMAIN, REMOVE PERIMETER SEALANT AND BACKER ROD AND INSTALL NEW SEALANT AND BACKER ROD.

ELEVATION KEY NOTES:

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

1. APPROXIMATE FINISH GRADE, REFER TO CIVIL DRAWINGS.
2. FACE BRICK (TYPE 1) RUNNING BOND – COLOR A.
3. FACE BRICK (TYPE 1) RUNNING BOND COLOR B.
4. FACE BRICK (TYPE 1) SOLDIER COURSE – COLOR A.
5. PATCH BRICK JAMB WITH SALVAGED BRICK, TOOTH INTO EXISTING BRICK.
6. EXTERIOR INSULATED FINISH SYSTEM (EIFS) COLOR A.
7. EXISTING FACE BRICK TO REMAIN.
8. EXISTING LIMESTONE PANELS TO REMAIN.
9. METAL FASCIA (COLOR A).
10. METAL COPING (COLOR A).
11. COMPOSITE METAL PANEL SYSTEM WITH 3/4" VERTICAL AND HORIZONTAL REVEALS (COLOR A).
12. METAL TRIM PANEL BY COMPOSITE METAL PANEL INSTALLER (COLOR A).
13. ALUMINUM STOREFRONT SYSTEM WITH ALUMINUM SILL.
14. EXISTING ALUMINUM WINDOW/STOREFRONT TO REMAIN.
15. ALUMINUM STOREFRONT SYSTEM WITH ALUMINUM DOORS WHERE APPLICABLE.
16. GLAZING TO BE SPANDREL AT THIS LOCATION.
17. LOUVER WITH SILL REFER TO MECHANICAL DRAWINGS. COLOR TO MATCH NEW STOREFRONT/WINDOWS (PROVIDE STEEL BRICK LINTEL AS REQUIRED FOR INSTALLATION, REFER TO STRUCTURAL DRAWINGS).
18. REMOVE AND PROVIDE NEW SPANDREL GLASS AS REQUIRED FOR LOUVER INSTALLATION.
19. EXISTING ALUMINUM STOREFRONT WINDOW FRAME. PROVIDE NEW ALUMINUM STOREFRONT HEAD AND SILL FOR LOUVER. PROVIDE NEW LOUVER SET IN FRAME. COLORS TO MATCH EXISTING FRAME.
20. EXISTING ALUMINUM STOREFRONT WINDOW FRAME, REMOVE WALL BELOW AND PROVIDE NEW ALUMINUM STOREFRONT HEAD, JAMB AND SILL FOR LOUVER. PROVIDE NEW LOUVER SET IN FRAME. COLORS TO MATCH EXISTING FRAME.
21. EXISTING ALUMINUM WINDOW, REMOVE WALL BELOW AND PROVIDE NEW ALUMINUM STOREFRONT HEAD, JAMB AND SILL FOR LOUVER. PROVIDE NEW LOUVER SET IN FRAME. COLORS TO MATCH EXISTING FRAME.
22. LOUVER REFER TO MECHANICAL DRAWINGS. COLOR TO MATCH NEW STOREFRONT/WINDOWS.
23. ROOF LADDER, REFER TO ROOF PLAN.
24. ROOF FLASHING, REFER TO ROOF PLAN.
25. EXISTING ASPHALT SHINGLES TO REMAIN WHERE APPLICABLE, REFER TO ROOF PLAN.
26. JOINT (3/4") BACKER ROD AND SEALANT, REFER TO PLAN DETAILS.
27. FRP DOORS AND ALUMINUM FRAME.
28. LIGHT FIXTURE, REFER TO ELECTRICAL.
29. BASE BID: PAINT EXISTING METAL PANELS.
ALTERNATE BID: REMOVE AND REPLACE EXISTING METAL PANELS. REFER TO ROOF PLAN AND SECTIONS 1,2 AND 6 ON A-113.
30. BASE BID: PAINT EXISTING METAL FASCIA.
ALTERNATE BID: REMOVE AND REPLACE EXISTING FASCIA. REFER TO ROOF PLAN AND SECTIONS 1,2 AND 6 ON A-113.
31. EIFS REVEAL/JOINT. (13 / A-501)
32. METAL FASCIA COPING (COLOR A), REFER TO SECTIONS.

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PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT
21-112
DATE
02/07/22
COORDINATED BY
TA
DRAWN BY
GWT MMM
CHECKED BY
JPB

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

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DRAWING
EXTERIOR ELEVATIONS

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET
A-302

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ADDITION AND RENOVATIONS\21-112 DRAWINGS\05
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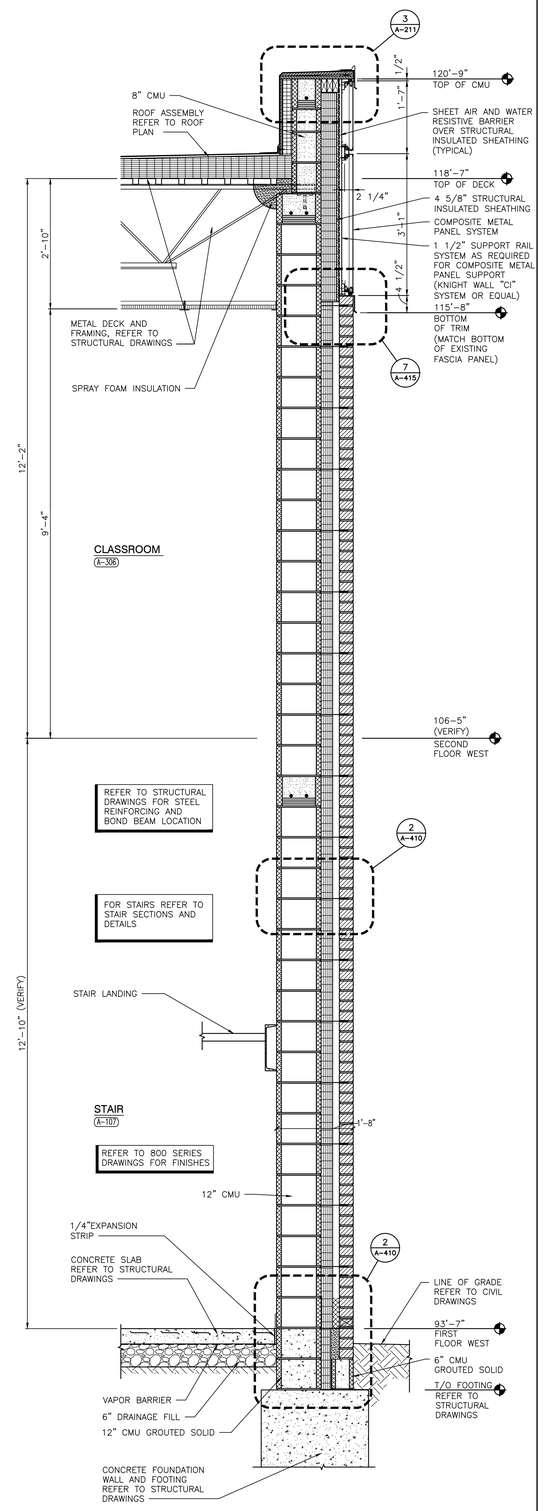
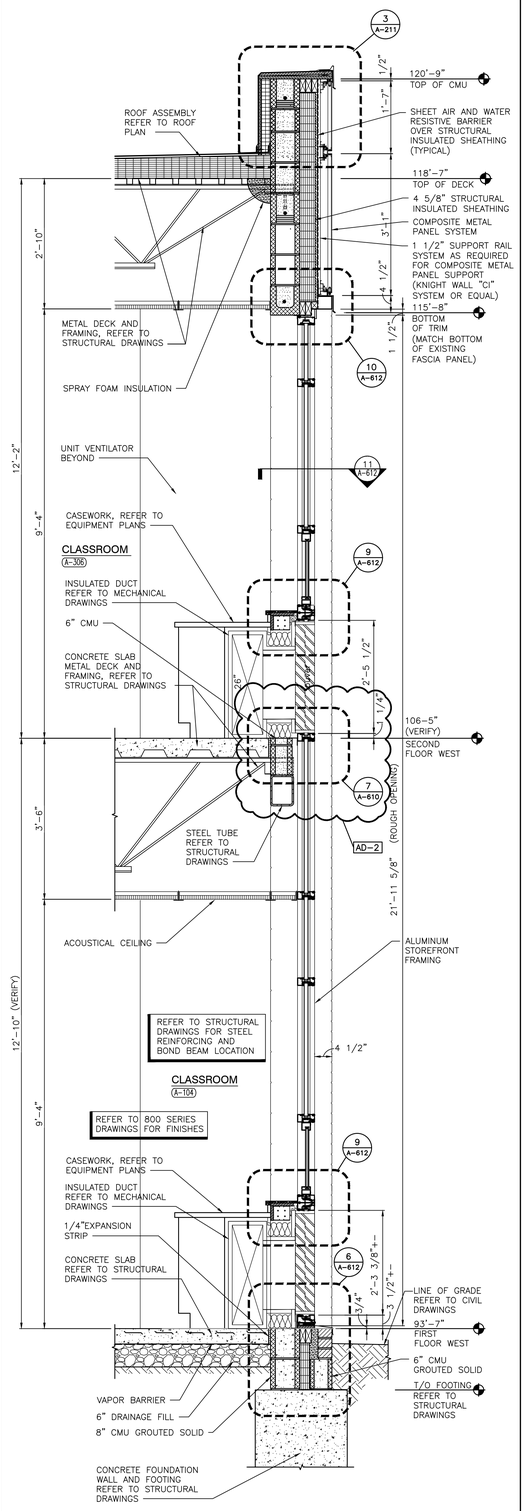
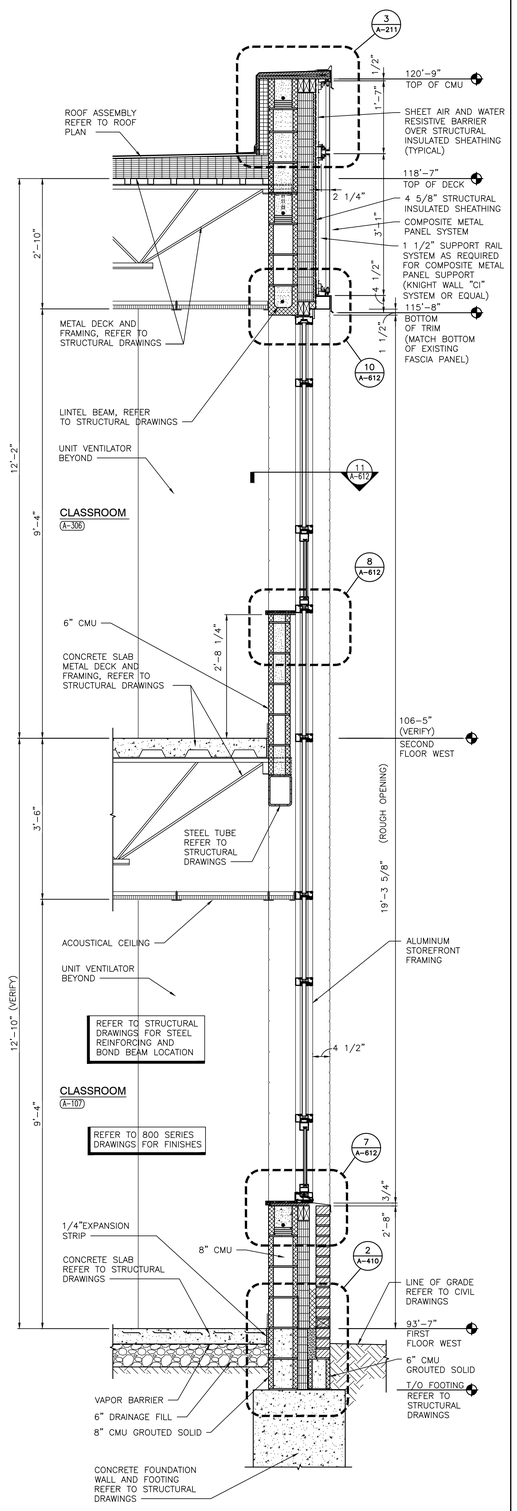


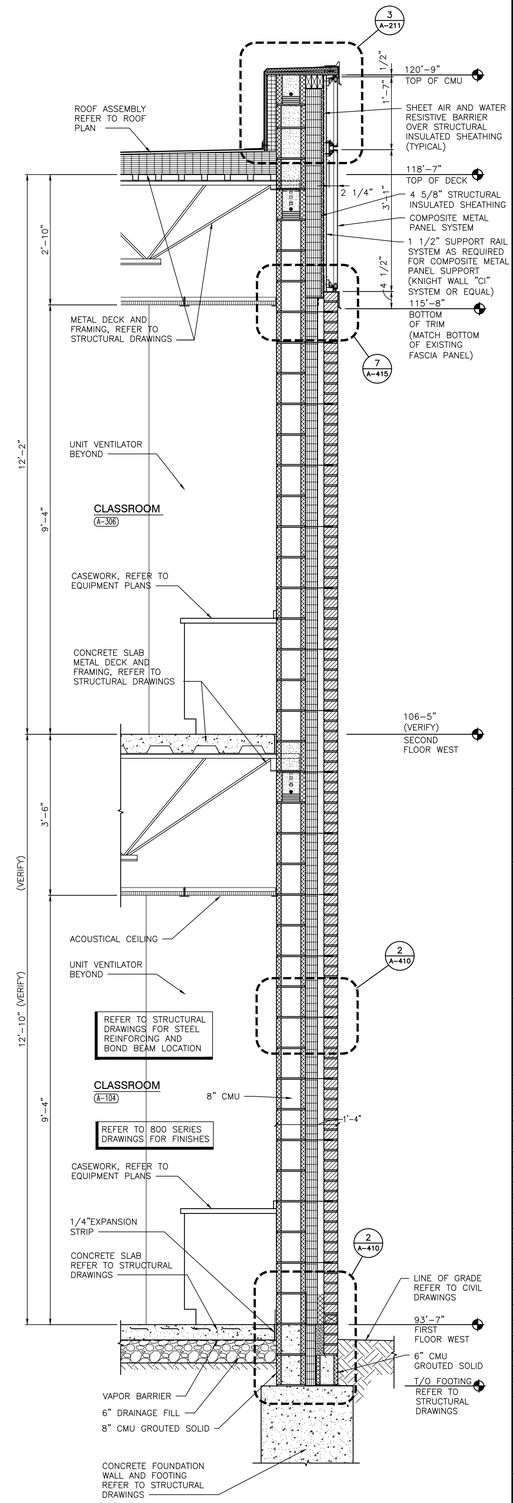
WALL SECTION
SCALE: 3/4" = 1'-0"
4 A-411



WALL SECTION
SCALE: 3/4" = 1'-0"
3 A-411



WALL SECTION
SCALE: 3/4" = 1'-0"
2 A-411



WALL SECTION
SCALE: 3/4" = 1'-0"
1 A-411

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PROJECT
TIMOTHY BALL ES ADDITION AND RENOVATIONS
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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Indianapolis, IN 46260
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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY GWT
CHECKED BY JPB

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

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
WALL SECTIONS

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET
A-411

Friday, 2/25/2022 - 3:21 PM - LAST SAVED BY:GTHROCKMORTON
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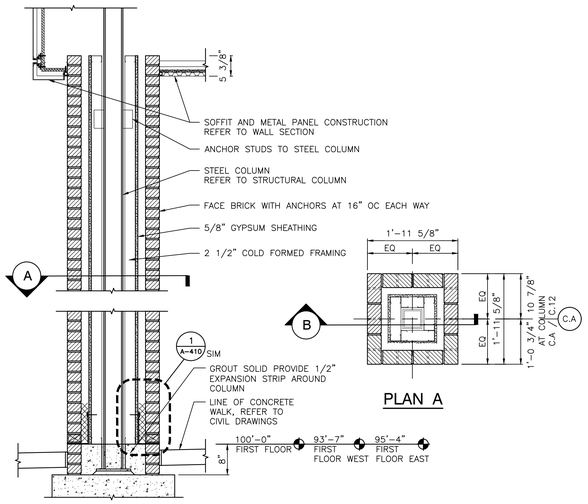

COLUMN PLAN / SECTION
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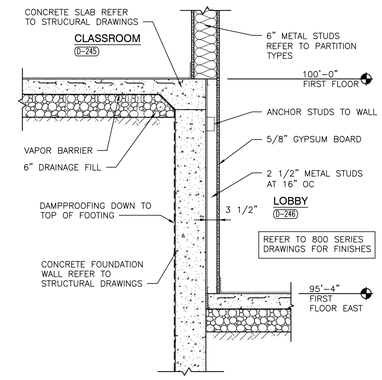
7 A-416



WALL SECTION
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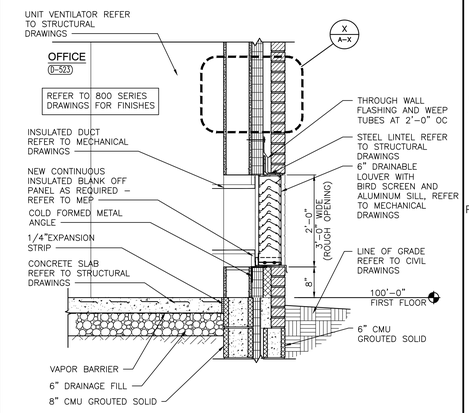
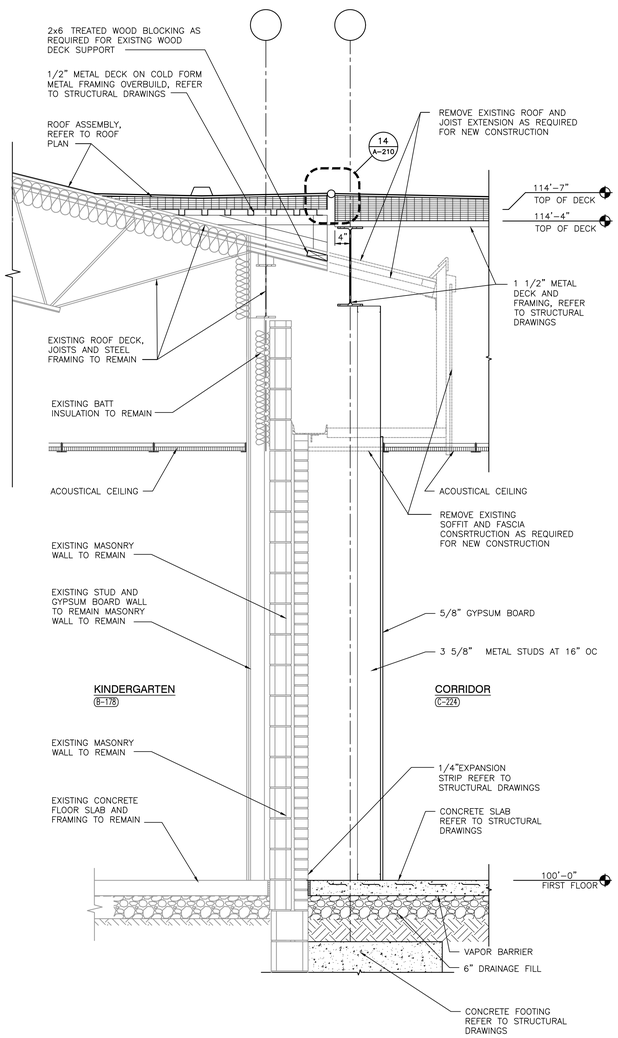
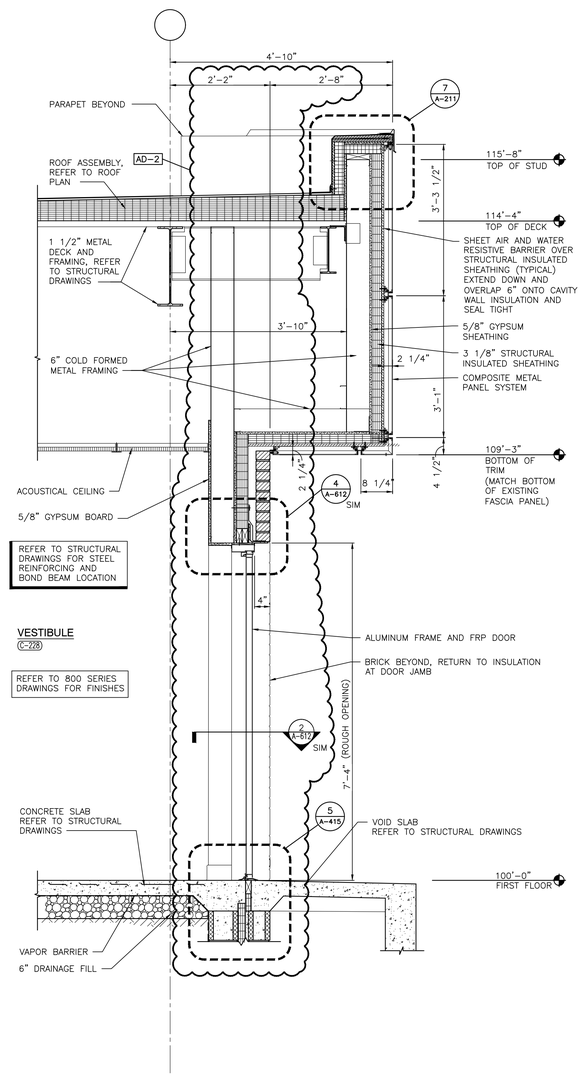
6 A-416



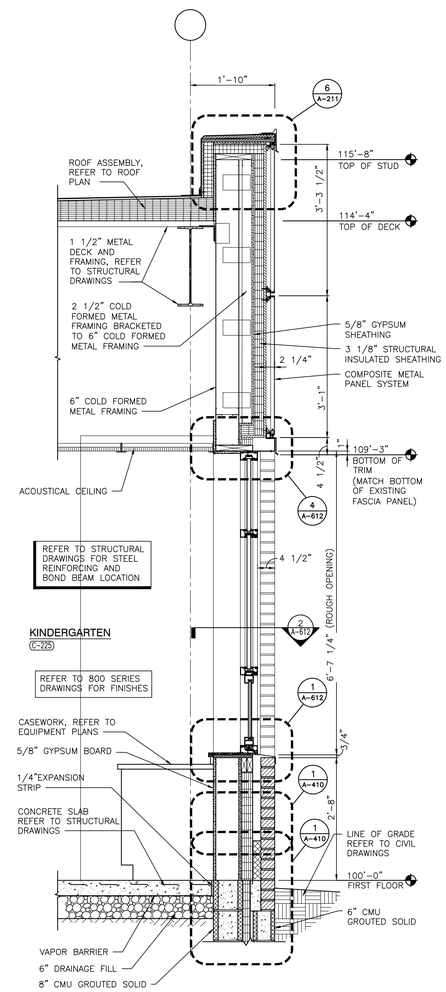
WALL SECTION
SCALE: 3/4" = 1'-0"
5 A-416



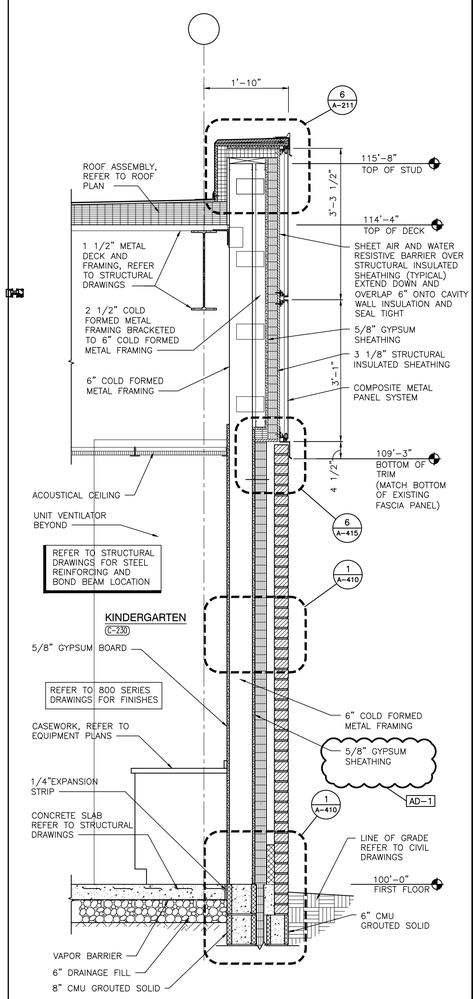
WALL SECTION
SCALE: 3/4" = 1'-0"
4 A-416



WALL SECTION
SCALE: 3/4" = 1'-0"
3 A-416



WALL SECTION
SCALE: 3/4" = 1'-0"
2 A-416



WALL SECTION
SCALE: 3/4" = 1'-0"
1 A-416

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PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY GWT
CHECKED BY JPB

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

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REVISIONS

MARK	DATE	ISSUED FOR
AD-1	02/16/22	ADDENDUM NO. 1
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
WALL SECTIONS

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET
A-416

Thursday, 2/24/2022 - 1:10 PM - LAST SAVED BY:NWESLEY
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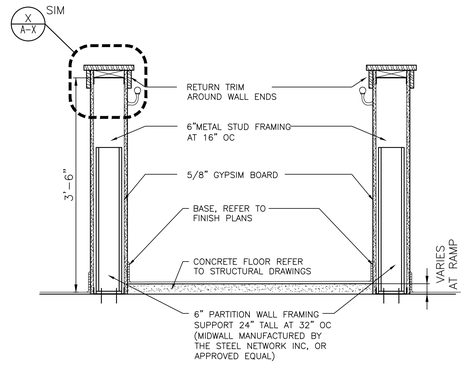
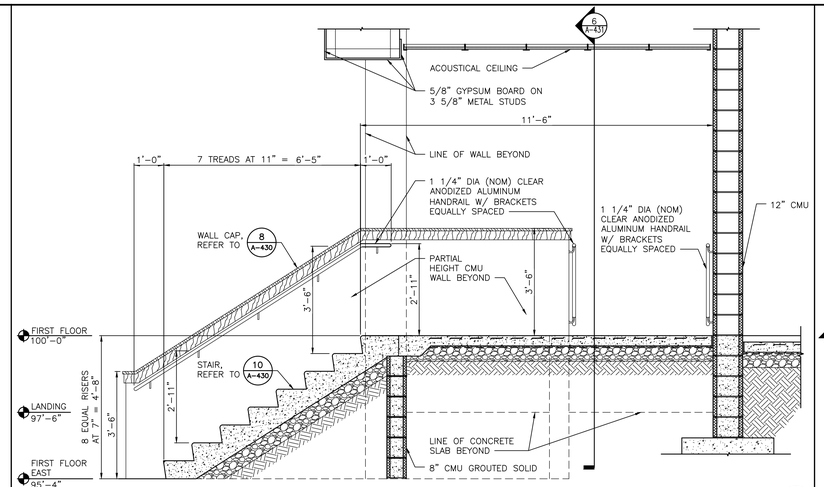
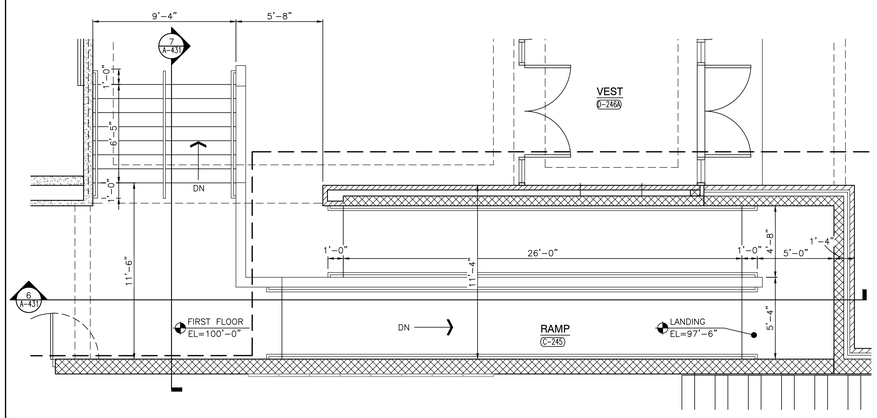


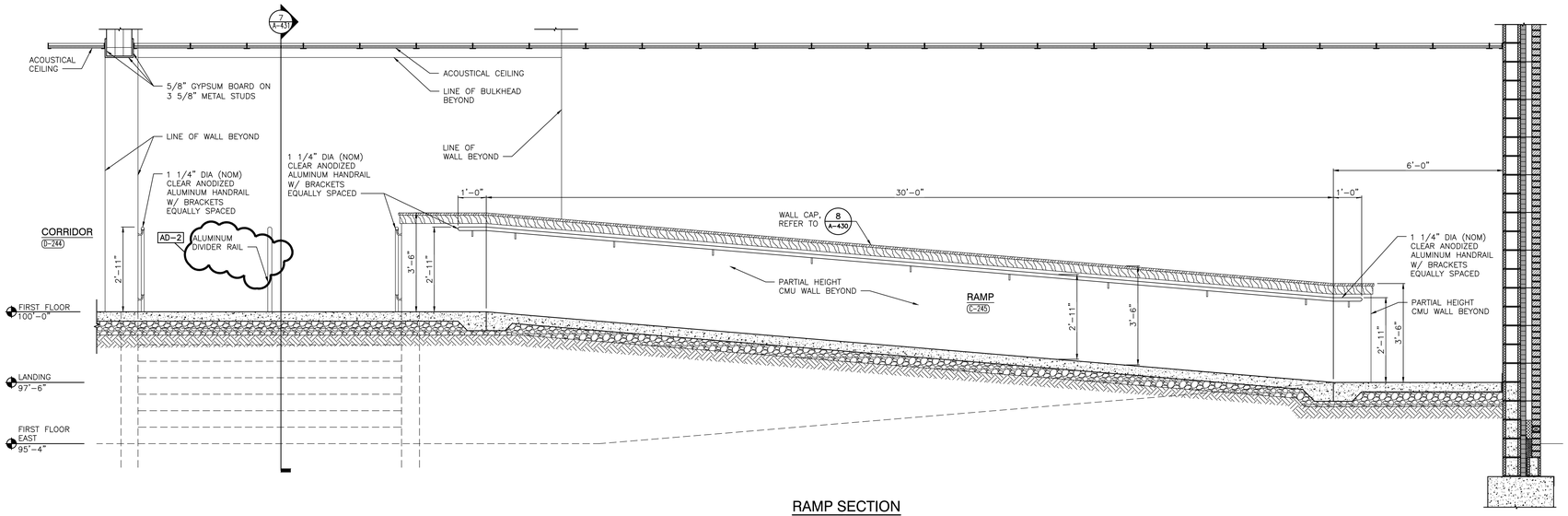
LOW WALL SECTION
SCALE: 1" = 1'-0"
8 A-431



STAIR SECTION
SCALE: 1/2" = 1'-0"
7 A-431



ENLARGED STAIR PLAN
SCALE: 1/4" = 1'-0"
3 A-431



RAMP SECTION
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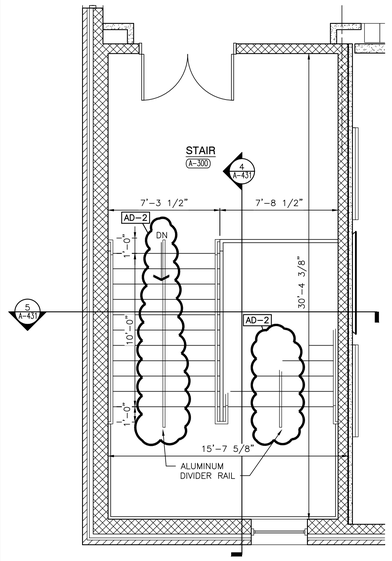
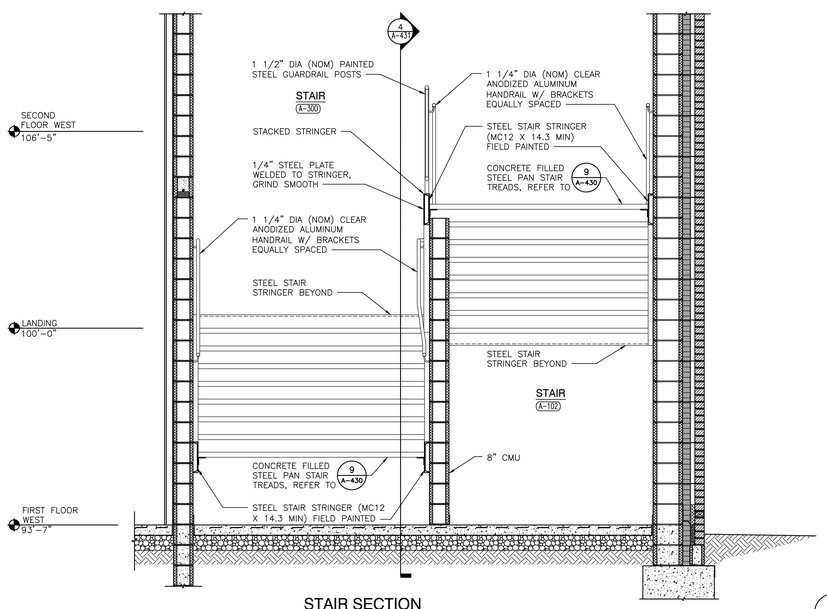
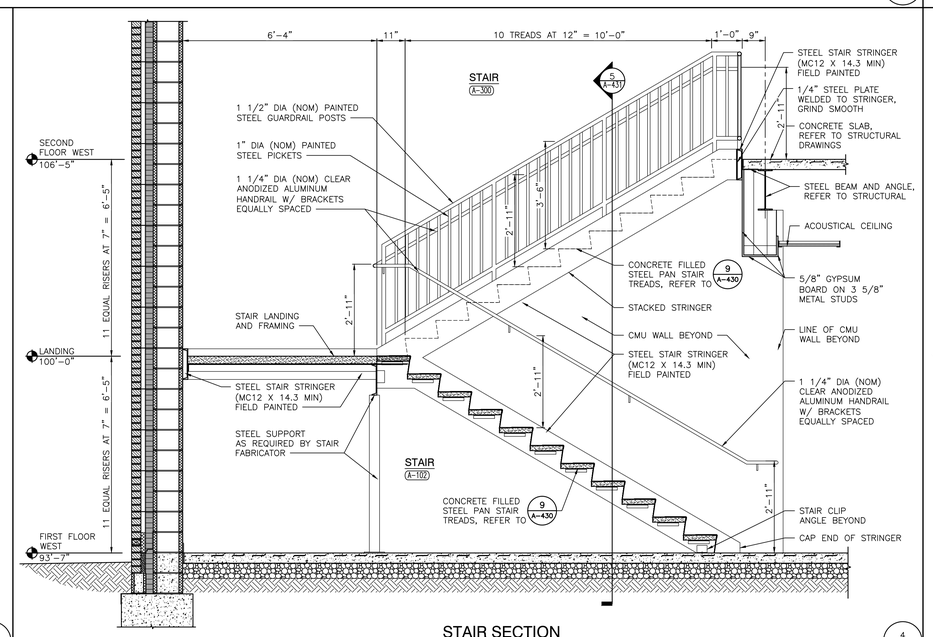
6 A-431



ENLARGED STAIR PLAN
SCALE: 1/4" = 1'-0"
2 A-431



STAIR SECTION
SCALE: 1/2" = 1'-0"
5 A-431



STAIR SECTION
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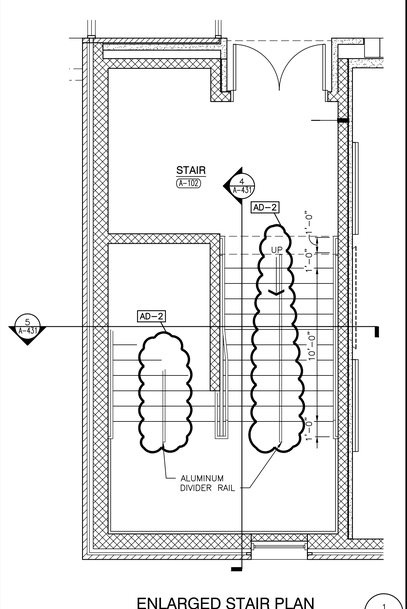
4 A-431



ENLARGED STAIR PLAN
SCALE: 1/4" = 1'-0"
1 A-431

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PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY PD
CHECKED BY JPB

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

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
STAIR SECTIONS

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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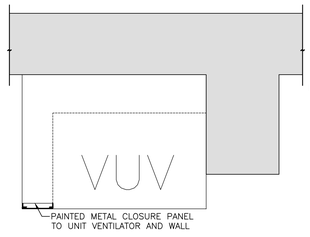
SHEET
A-431

Friday, 2/25/2022 - 3:21 PM - LAST SAVED BY:MMULLEN
Y:\21-112 CROWN POINT CSC - TIMOTHY BALL ES
ADDITION AND RENOVATIONS\21-112 DRAWINGS\05
ARCH\A-431.DWG



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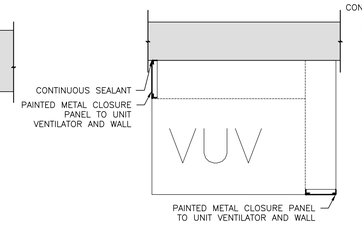

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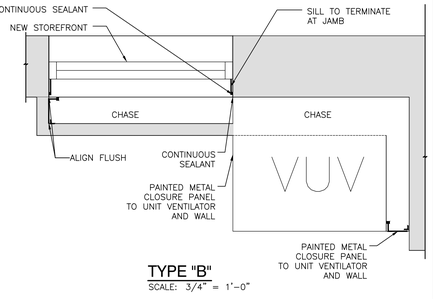

TYPE "B"
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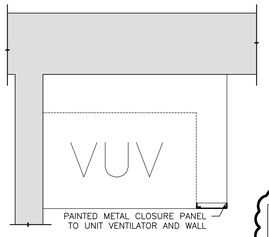
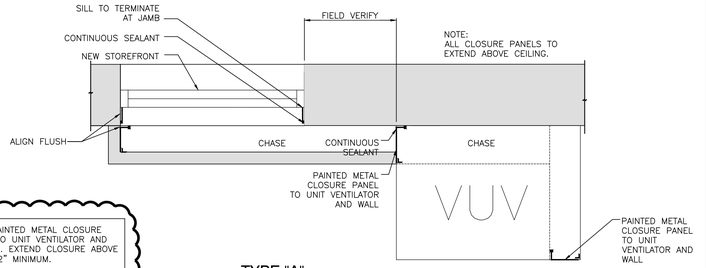


TYPE "D"
SCALE: 3/4" = 1'-0"

PROVIDE CONTINUOUS PAINTED METAL CLOSURE PANEL ALIGNED FLUSH TO UNIT VENTILATOR AND OTHER CLOSURE PANELS. EXTEND CLOSURE ABOVE CEILING CONSTRUCTION 2" MINIMUM.

ALL CLOSURE PANELS SHALL MATCH UNIT VENTILATOR ON FINISH SIDE IN COLOR, TEXTURE, GAUGE, AND FINISH. PROVIDE CONCEALED SUPPORT OF PANELS ANCHORED AS REQUIRED TO BUILDING STRUCTURE AND VUV FOR STRUCTURAL INTEGRITY

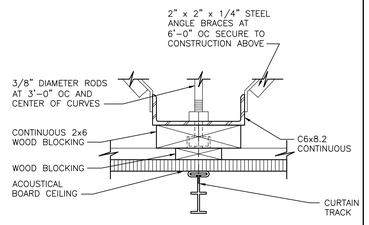
AD-2



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

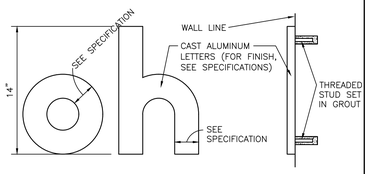
UNIT VENT TYPICAL PLAN DETAILS
SCALE: 3/4" = 1'-0"

11 A-501



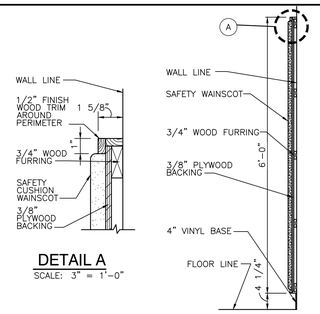
CUBICAL CURTAIN TRACK DETAIL
SCALE: 3" = 1'-0"

9 A-501



ALUMINUM LETTER DETAIL
SCALE: 1 1/2" = 1'-0"

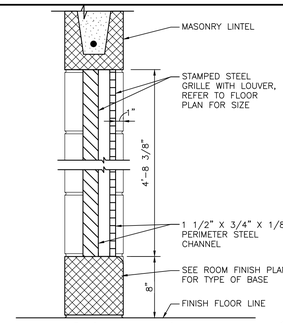
8 A-501



DETAIL A
SCALE: 3" = 1'-0"

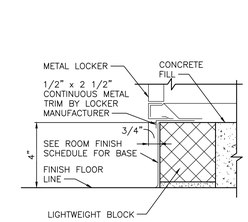
SAFETY CUSHION WAINSCOTING
SCALE: 3/4" = 1'-0"

4 A-501

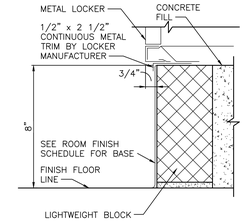


GRILLE DETAIL
SCALE: 1 1/2" = 1'-0"

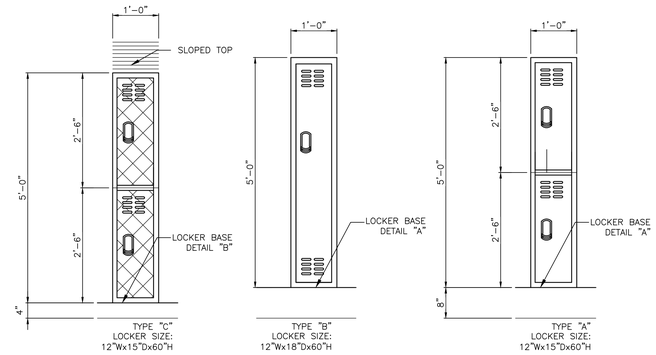
3 A-501



LOCKER DETAIL B
SCALE: 3" = 1'-0"



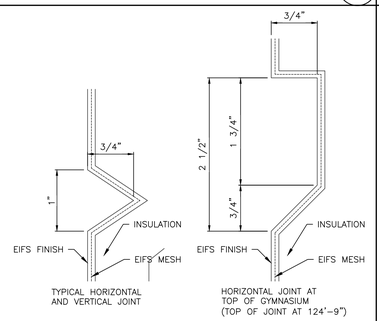
LOCKER DETAIL A
SCALE: 3" = 1'-0"



TYPICAL LOCKER ELEVATIONS
SCALE: 1/2" = 1'-0"

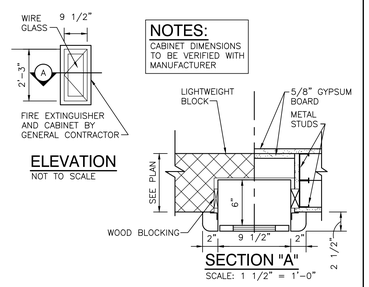
LOCKER DETAILS
SCALE: AS SHOWN

2 A-501



EIFS RECESS DETAIL
SCALE: 1'-0" = 1'-0"

13 A-501



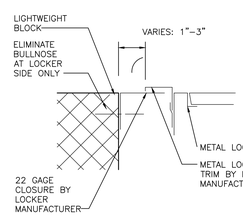
NOTES:
CABINET DIMENSIONS TO BE VERIFIED WITH MANUFACTURER

ELEVATION
NOT TO SCALE

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

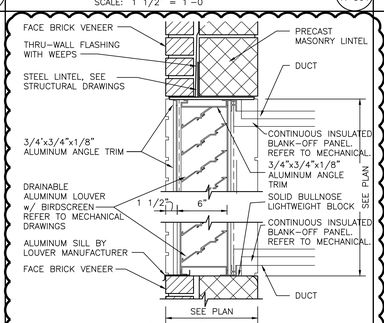
SEMI-RECESSED FIRE EXTINGUISHER CABINET
SCALE: 1 1/2" = 1'-0"

7 A-501



LOCKER CLOSURE
SCALE: 3" = 1'-0"

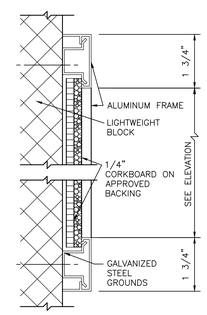
12 A-501



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

6 A-501

AD-2



SECTION B
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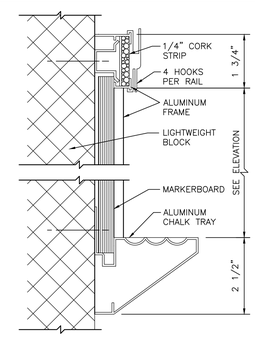

SECTION "A"
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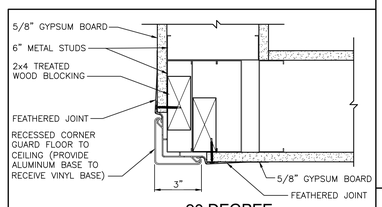
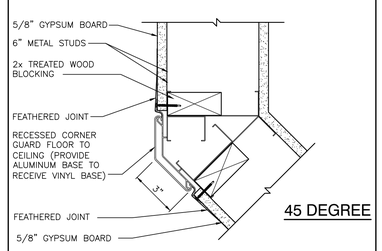


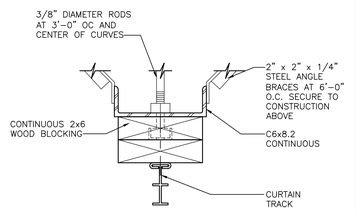
90 DEGREE



45 DEGREE

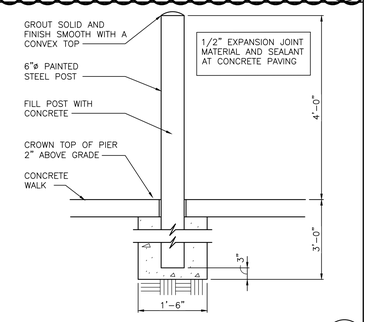
CORNER GUARD DETAIL
SCALE: 3" = 1'-0"

14 A-501



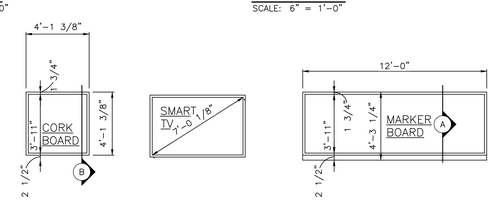
CYCLORAMA TRACK DETAIL
SCALE: 3" = 1'-0"

10 A-501



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

5 A-501



NOTES:
1. SEE FLOOR PLANS FOR LOCATION.
2. SEE FINISH PLANS FOR WALL FINISH.
3. MOUNTING HEIGHT AS DIRECTED BY ARCHITECT.

DISPLAY WALL ELEVATIONS
SCALE: 1/4" = 1'-0"

1 A-501

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PROJECT
TIMOTHY BALL ES ADDITION AND RENOVATIONS
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY MMM
CHECKED BY JPB

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

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DRAWING
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PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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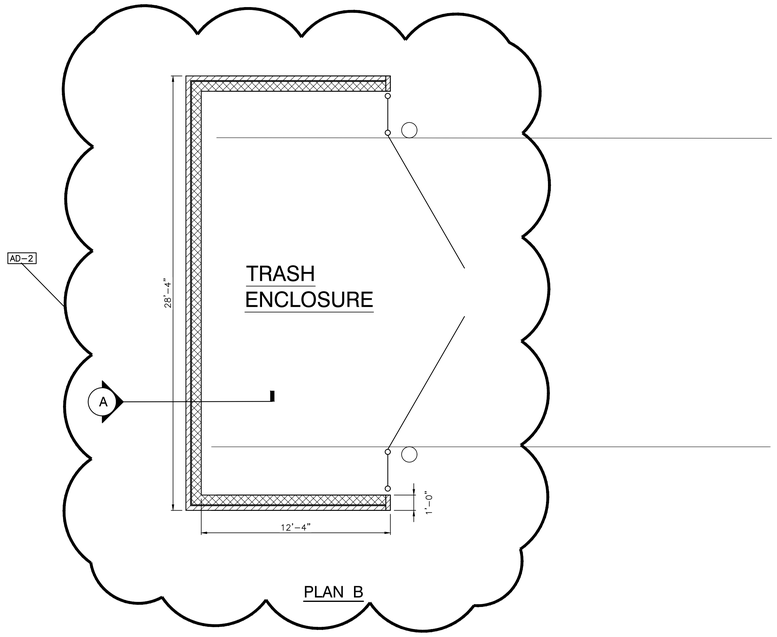
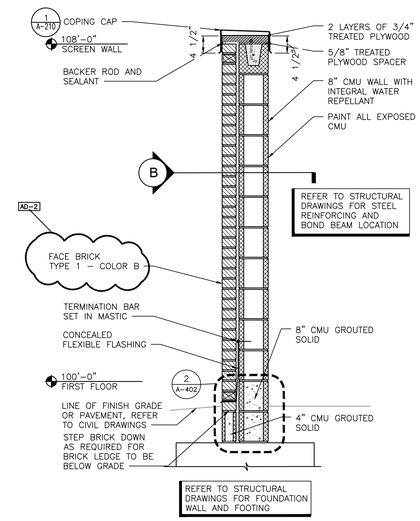


PLAN B

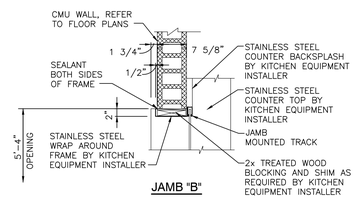
TRASH ENCLOSURE
SCALE: 1/4" = 1'-0"



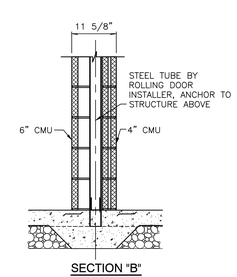
SECTION A

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

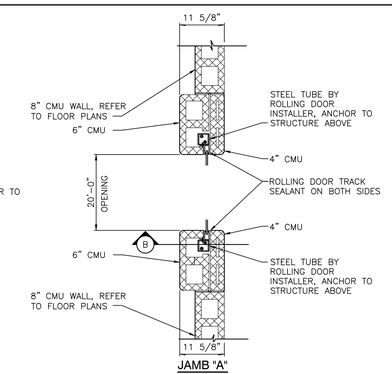
3 A-502



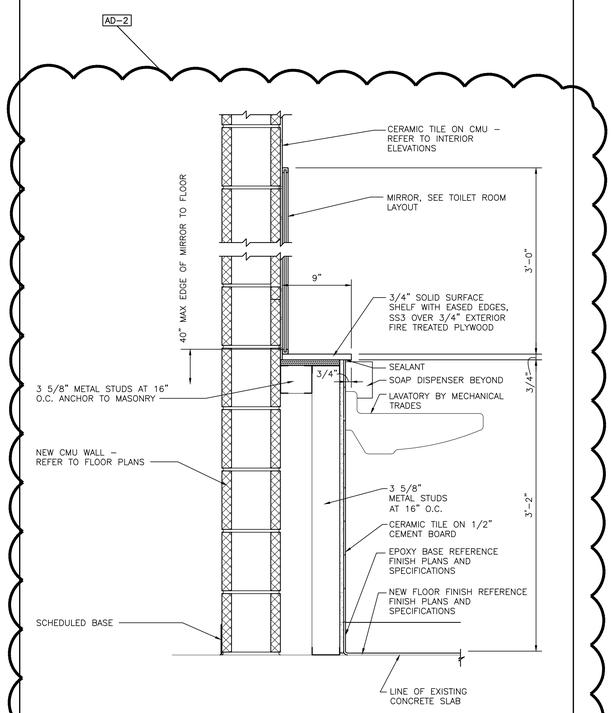
JAMB "B"



SECTION "B"

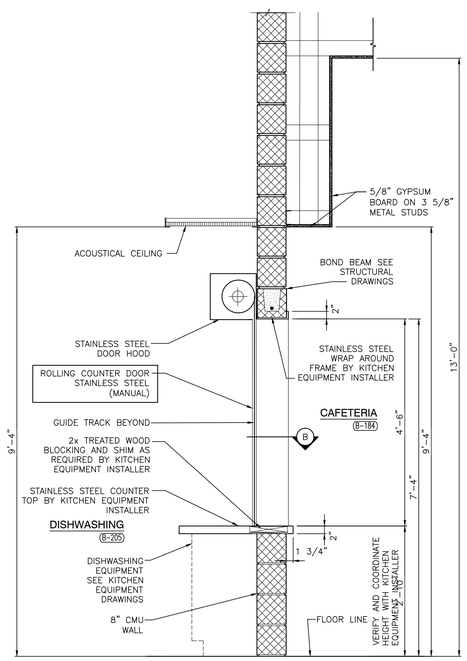


JAMB "A"



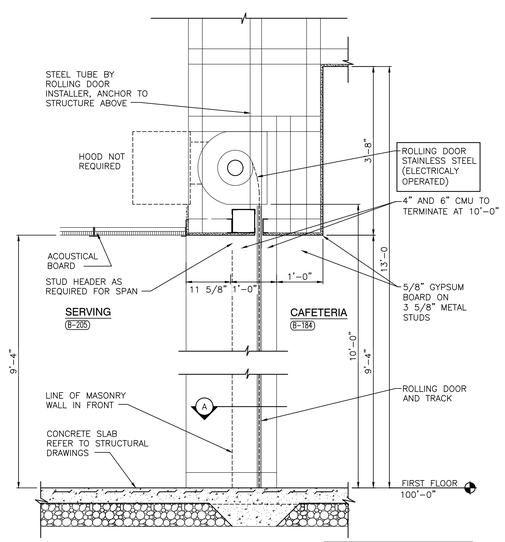
LAV SHELF SECTION
SCALE: 1 1/2" = 1'-0"

4 A-502



DISHWASHING ROLLING COUNTER DOOR SECTION
SCALE: 3/4" = 1'-0"

2 A-502



CAFETERIA / SERVING ROLLING SERVICE DOOR
4 LOCATIONS

NOTE:
REFER TO FLOOR PLANS AND WALL SECTIONS FOR EXTERIOR INSULATED SERVICE DOOR IN RECEIVING F-133

ROLLING SERVICE DOOR
SCALE: 3/4" = 1'-0"

1 A-502

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PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY MMM
CHECKED BY JPB

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

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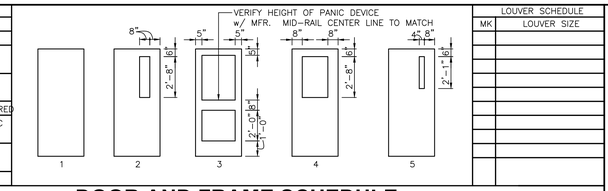
DOOR AND FRAME SCHEDULE

DOOR NO	DESCRIPTION	TYPE	DOOR SIZE (WxH) (INCHES)	MATERIAL	LOU	GLASS DOOR	GLASS SIDE LGT	GLASS TRA	FRAME MAT'L	FRAME WIDTH	FRAME JAMB	FRAME HEAD	FRAME SILL	FRAME ELEV	LABEL	HARDWARE EXIT DEVICE	HARDWARE CLOSER	NOTES
A-118A	DOUBLE	2	PR 31 x 84	WOOD		A			EXIST HM					HM21		YES	YES	6
A-133A	DOUBLE	2	PR 31 x 84	WOOD		A			EXIST HM					HM21		YES	YES	6
A-303B	SINGLE	1	36 x 84	WOOD					HM	8 3/8"	SEE ELEV	SEE ELEV		HM4				6
A-306B	SINGLE	1	36 x 84	WOOD					HM	8 3/8"	SEE ELEV	SEE ELEV		HM4				6
A-307A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-307B	SINGLE	1	36 x 84	WOOD					HM	7 1/4"	SEE ELEV	SEE ELEV		HM4				6
A-313A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-313B	SINGLE	1	36 x 84	WOOD					HM	7 1/4"	SEE ELEV	SEE ELEV		HM4				6
A-314A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-319A	SINGLE	1	36 x 84	WOOD		A			EXIST HM					HM4			YES	6
A-321A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-321B	SINGLE	1	36 x 84	WOOD					HM	7 1/4"	SEE ELEV	SEE ELEV		HM4				6
A-322A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-326A	SINGLE	1	36 x 84	WOOD					EXIST HM		SEE ELEV	SEE ELEV		HM4				
A-327A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-328A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-328B	SINGLE	1	36 x 84	WOOD					HM	7 1/4"	SEE ELEV	SEE ELEV		HM4				6
A-329A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-329B	SINGLE	1	36 x 84	WOOD					HM	7 1/4"	SEE ELEV	SEE ELEV		HM4				6

GLASS SCHEDULE	
MK	GLASS TYPES
A	1/4" CLEAR TEMPERED
B	1" INSUL. SAFETY CLEAR GLASS
C	1" INSUL. TINTED SAFTEY GLASS
D	1/4" FIRE RATED, TEMPERED
E	3/8" LAMINATED ACOUSTIC SAFETY GLASS
F	1/2" LAMINATED SAFETY GLASS



LOUVER SCHEDULE	
MK	LOUVER SIZE

DOOR AND FRAME SCHEDULE

DOOR NO	DESCRIPTION	TYPE	DOOR SIZE (WxH) (INCHES)	MATERIAL	LOU	GLASS DOOR	GLASS SIDE LGT	GLASS TRA	FRAME MAT'L	FRAME WIDTH	FRAME JAMB	FRAME HEAD	FRAME SILL	FRAME ELEV	LABEL	HARDWARE EXIT DEVICE	HARDWARE CLOSER	NOTES
A-103B	SINGLE	1	36 x 84	WOOD					HM	8 3/8"	SEE ELEV	SEE ELEV		HM4				6
A-107B	SINGLE	1	36 x 84	WOOD					HM	8 3/8"	SEE ELEV	SEE ELEV		HM4				6
A-108A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-108B	SINGLE	1	36 x 84	WOOD					HM	7 1/4"	SEE ELEV	SEE ELEV		HM4				6
A-109A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-116A	SINGLE	1	36 x 84	WOOD					EXIST HM					HM12			YES	
A-117A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-117B	SINGLE	1	36 x 84	WOOD					HM	7 1/4"	SEE ELEV	SEE ELEV		HM4				6
A-120A	SINGLE	1	36 x 84	WOOD					EXIST HM					HM4			YES	
A-123A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-124A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-124B	SINGLE	1	36 x 84	WOOD					HM	7 1/4"	SEE ELEV	SEE ELEV		HM4				6
A-128A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-129A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-129B	SINGLE	1	36 x 84	WOOD					HM	7 1/4"	SEE ELEV	SEE ELEV		HM4				6
A-130A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-130B	SINGLE	1	36 x 84	WOOD					HM	7 1/4"	SEE ELEV	SEE ELEV		HM4				6
A-135A	SINGLE	1	36 x 84	WOOD					EXIST HM					HM12			YES	
A-136A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
A-140A	SINGLE	1	32 x 84	WOOD					EXIST HM					HM12			YES	
A-151A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
B-184A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12		YES	YES	
B-184B	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12		YES	YES	
B-184C	DOUBLE	2	PR 36 x 84	WOOD		A			EXIST HM					HM10		YES	YES	6
B-184D	DOUBLE	2	PR 36 x 84	WOOD		A			EXIST HM					HM10		YES	YES	6
AD-2 B-186A	SINGLE	1	32 x 84	WOOD					EXIST HM					HM12			YES	
B-190A	SINGLE	1	32 x 84	WOOD					EXIST HM					HM12			YES	
B-190B	SINGLE	1	40 x 84	WOOD					EXIST HM					HM4			YES	
B-198A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
B-198B	SINGLE	1	36 x 84	WOOD					HM	7 1/4"	SEE ELEV	SEE ELEV		HM4				6
B-199A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
B-201A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
B-201B	SINGLE	1	36 x 84	WOOD					HM	7 1/4"	SEE ELEV	SEE ELEV		HM4				6
B-202A	SINGLE	2	36 x 84	WOOD		A			EXIST HM					HM12			YES	6
B-207A	DOUBLE	1	PR 36 x 84	WOOD					EXIST HM					HM10			YES	
AD-2 B-221B	DOUBLE	1	PR 36 x 84	WOOD					EXIST HM					HM10			YES	
D-245B	SINGLE	1	36 x 86	WOOD					HM	7 3/8"	SEE ELEV	SEE ELEV		HM4				6

GENERAL DOOR NOTES

A. JAMB, HEAD, AND SILL DO NOT SHOW WALL CONSTRUCTION. SEE FLOOR PLAN FOR WALL MATERIALS. REFER TO A800 SERIES DRAWINGS FOR WALL FINISHES.
B. SEAL ALL JAMBS AND HEADS WHERE FRAMES MEET EXPOSED MASONRY AND/OR GYPSUM BOARD.
C. PROVIDE A SCRIBE MOLD AT ALL EXTERIOR DOOR FRAMES AND WHERE NOTED ON DRAWINGS. SCRIBE MOLD TO BE 3/4" X 3/4" METAL AT EXTERIOR OF METAL FRAMES AND AT BOTH SIDES OF ALUMINUM FRAMES. SET SCRIBE MOLDS IN SEALANT.
D. PROVIDE GLAZING AND GLASS STOPS AS REQUIRED.
E. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS, BOTH NEW AND EXISTING.
F. SHIM SPACE IS NOT SHOWN ON DOOR FRAME ELEVATIONS FOR ALUMINUM STOREFRONT. TAKE THESE DIMENSIONS INTO ACCOUNT AND ADJUST DIMENSIONS ACCORDINGLY.
G. FOR DOOR POSITION WITHIN WALL REFER TO FRAME MOUNTING DETAIL 2-A601.
H. FOR ELECTRICAL ROUGH-IN AT DOORS REFER TO DETAIL 1-A601.
I. FOR HOLLOW METAL FRAME ELEVATIONS (HM) REFER TO 4-A601. FOR HOLLOW METAL (HM) FRAME PROFILES REFER TO 3-A601.
J. FOR ALUMINUM STOREFRONT ELEVATIONS (SF) REFER TO 1-A610. FOR STOREFRONT (SF) FRAME PROFILES REFER TO 2-A610.
K. GLASS NOTED IN SIDELIGHT COLUMN FOR STOREFRONT WITH NO DOOR APPLIES TO ALL OPENINGS IN FRAME UNLESS NOTED OTHERWISE.
L. REFER TO FLOOR PLANS FOR LOCATIONS OF NEW AND EXISTING ADA PUSH PADS FOR POWER ASSISTED OPERATORS.
M. WHERE FRAMES INDICATE 2 OF MORE OPENINGS FOR DOORS, EACH SINGLE OR PAIR OF DOORS IS SCHEDULED SEPARATELY AND FRAME INDICATED.

DOOR SCHEDULE NOTES (REMARKS):

1. PANIC DEVICE TO HAVE ELECTRIC LATCH BOLT. PREPARE FRAME FOR ELECTRIFIED HINGE.
2. DOOR TO BE CONTROLLED BY CARD READER/FOB. REFER TO ELECTRICAL DRAWINGS FOR ROUGH IN.
3. PROVIDE POWER ASSISTED OPERATOR ON ONE LEAF OF DOUBLE DOORS.
4. PROVIDE ALUMINUM THRESHOLD SET IN FULL BED OF MASTIC.
5. KEYED REMOVABLE MULLION.
6. PROVIDE HOLD OPEN ON EACH DOOR.
7. PREPARE DOOR AND FRAME FOR DOOR POSITION SWITCH.
8. PROVIDE DOOR RELEASE ON AI PHONE LOCATED AT RECEPTION DESK.
9. PROVIDE DROP SEAL, SOUND GASKETING, AND ADA COMPLIANT THRESHOLD.
10. PROVIDE WALL MOUNTED ELECTROMAGNETIC DOOR HOLDER(S) BY DIVISION 26, DOOR MOUNTED ARMATURE SHALL BE INSTALLED BY HARDWARE INSTALLER.
11. ALUMINUM THRESHOLD PROVIDED BY WOOD FLOOR INSTALLER.
12. PROVIDE (ACOUSTICAL) SOLID CORE WOOD DOOR. GROUT FRAME SOLID AT CMU WALLS, INSTALL MINERAL WOOL INSULATION BETWEEN STUD AND BACK OF METAL FRAME AT STUD WALLS.
13. DOOR TO BE LOCKABLE FROM BOTH SIDES
14. PROVIDE DRAINABLE LOUVER WITH INSERT SCREEN

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CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY NJW
CHECKED BY JPB

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

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DRAWING
DOOR SCHEDULE, FRAME PROFILES, ELEVATIONS, AND DETAILS

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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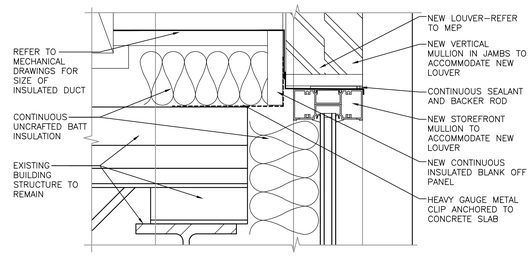
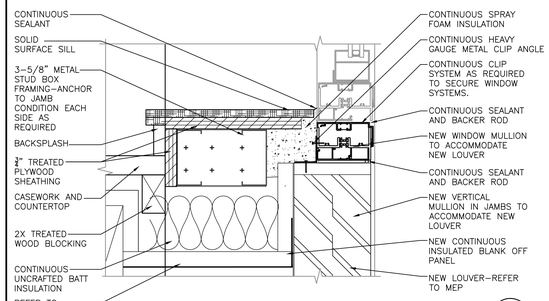
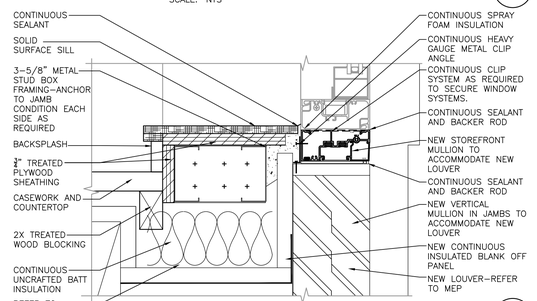


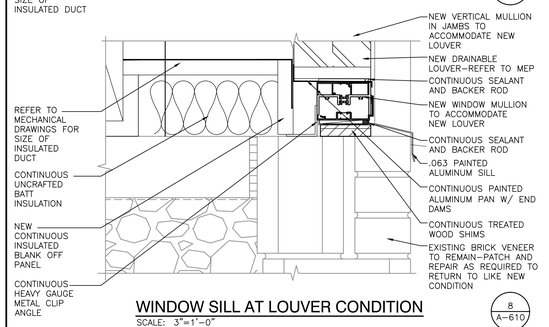
STOREFRONT AT LOUVER CONDITION (7 / A–610)
SCALE: NTS



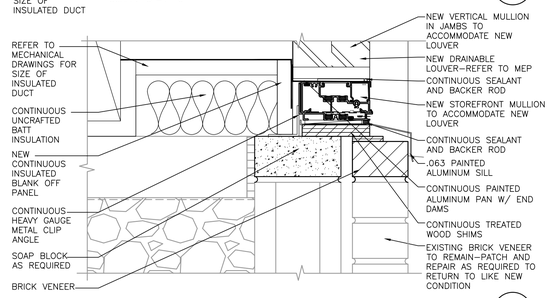
WINDOW AT LOUVER CONDITION (9 / A–610)
SCALE: 3"=1'–0"



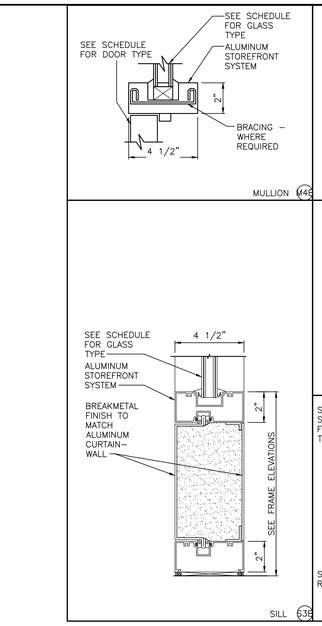
STOREFRONT AT LOUVER CONDITION (6 / A–610)
SCALE: 3"=1'–0"



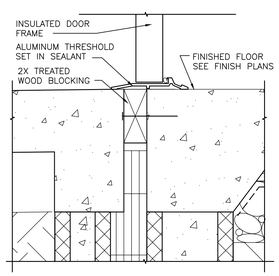
WINDOW SILL AT LOUVER CONDITION (8 / A–610)
SCALE: 3"=1'–0"



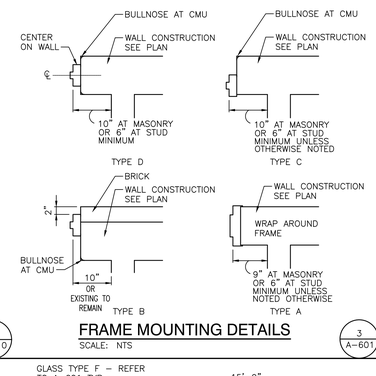
STOREFRONT SILL AT LOUVER CONDITION (5 / A–610)
SCALE: 3"=1'–0"



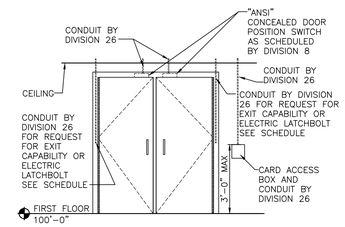
STOREFRONT FRAME PROFILES
SCALE: 3" = 1'–0"



TYPICAL SILL THRESHOLD (4 / A–610)
SCALE: NTS



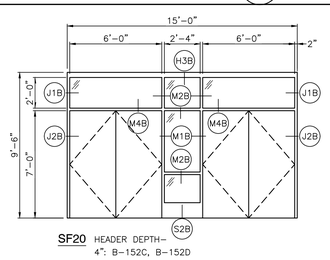
FRAME MOUNTING DETAILS (3 / A–601)
SCALE: NTS



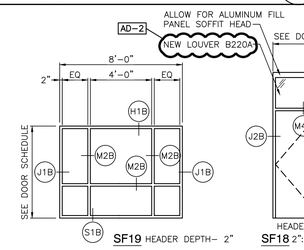
ELECRTICAL ROUGH-IN AT DOOR FRAMES (2 / A–601)
SCALE: NTS

NOTES - ALUMINUM STOREFRONT (SF)

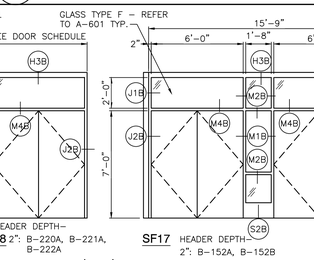
1. FOR STOREFRONT HEAD, JAMB, AND SILL DETAILS REFER TO WALL SECTIONS AND ALUMINUM STOREFRONT (SF) FRAME PROFILES (A610)
2. PROVIDE SHIM SPACE, BACKER ROD, AND SEALANT AROUND PERIMETER OF ALL FRAMES WHERE FRAMING ABUTS DISSIMILAR MATERIAL
3. PROVIDE FOAM INSULATION IN SHIM SPACE AROUND PERIMETER OF ALL 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.
9. ALL STOREFRONTS AT EXTERIOR WALL SHALL USE S3B SILL DETAIL FOR INSULATED STOREFRONT



SF20 HEADER DEPTH– 4": B–152C, B–152D

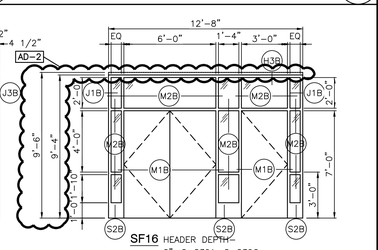


SF19 HEADER DEPTH– 2"

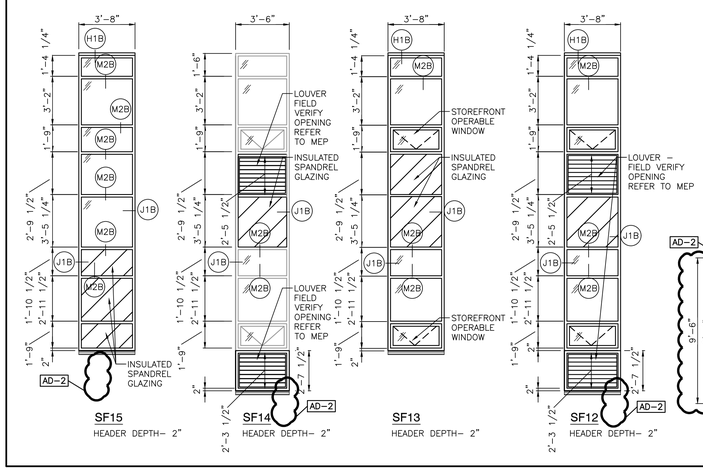


SF18 HEADER DEPTH– 2": B–220A, B–221A, B–222A

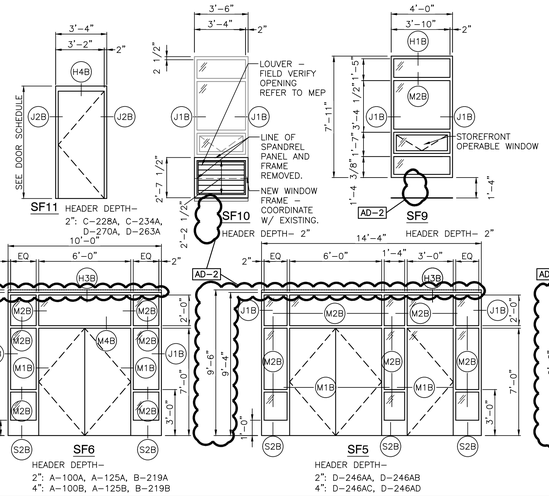
SF17 HEADER DEPTH– 2": B–152A, B–152B



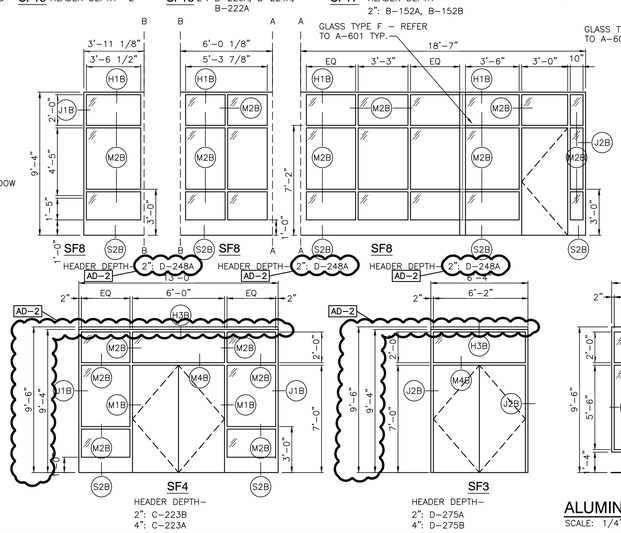
SF16 HEADER DEPTH– 2": C–239A, C–239C 4": C–239B, C–239D



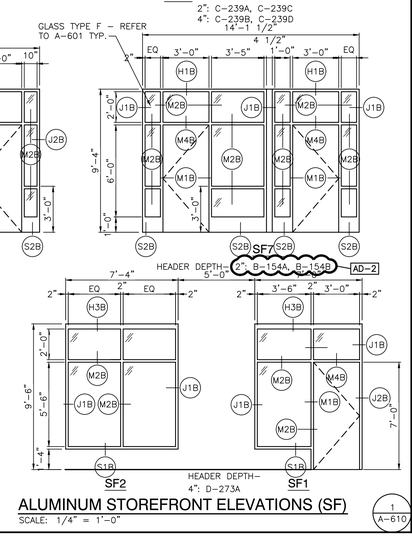
SF15 HEADER DEPTH– 2"
SF14 HEADER DEPTH– 2"
SF13 HEADER DEPTH– 2"
SF12 HEADER DEPTH– 2"



SF11 HEADER DEPTH– 2": C–228A, C–234A, D–270A, D–263A
SF10 HEADER DEPTH– 2"
SF9 HEADER DEPTH– 2"
SF6 HEADER DEPTH– 2": A–100A, A–125A, B–219A 4": A–100B, A–125B, B–219B
SF5 HEADER DEPTH– 2": D–246AA, D–246AB 4": D–246AC, D–246AD



SF4 HEADER DEPTH– 2": C–223B 4": C–223A
SF3 HEADER DEPTH– 2": D–275A 4": D–275B



SF2 SF1

ALUMINUM STOREFRONT ELEVATIONS (SF) (1 / A–610)
SCALE: 1/4" = 1'–0"

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
TIMOTHY BALL ES ADDITION AND RENOVATIONS
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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Phone 317.580.5777 Fax 317.580.5778

PROJECT 21–112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY NJW
CHECKED BY JPB

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

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REVISIONS

MARK	DATE	ISSUED FOR
AD–2	02/24/22	ADDENDUM NO. 2

DRAWING
WINDOW AND STOREFRONT ELEVATIONS AND DETAILS

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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A-610

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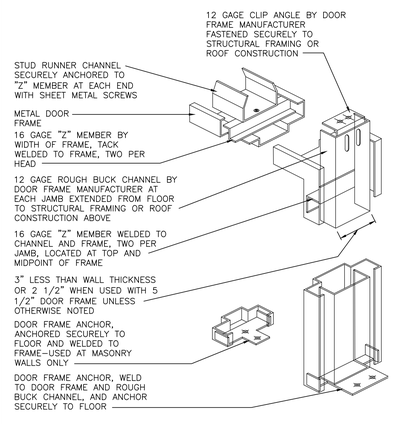
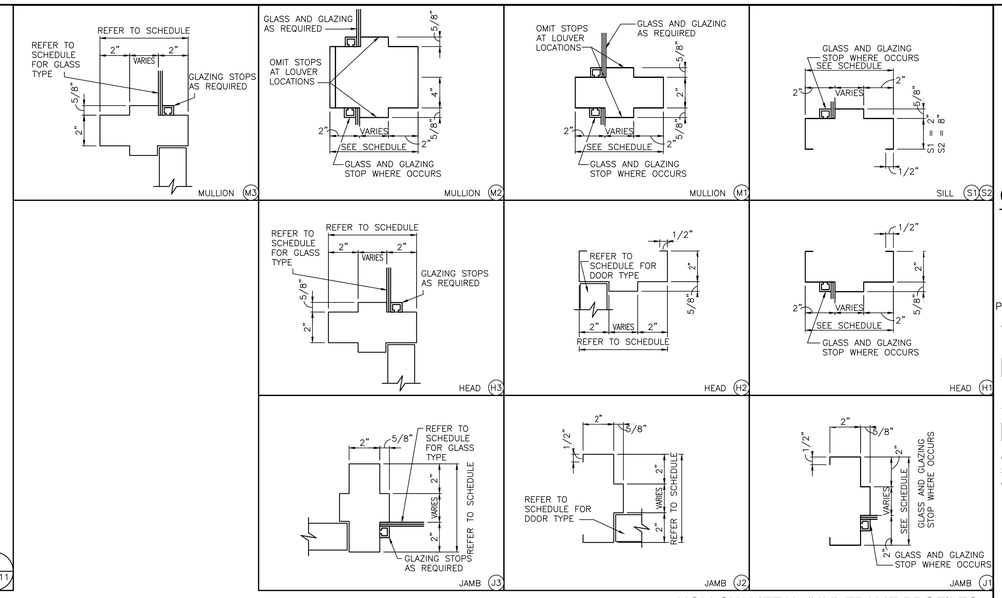


TYPICAL HEAD & JAMB ANCHORAGE

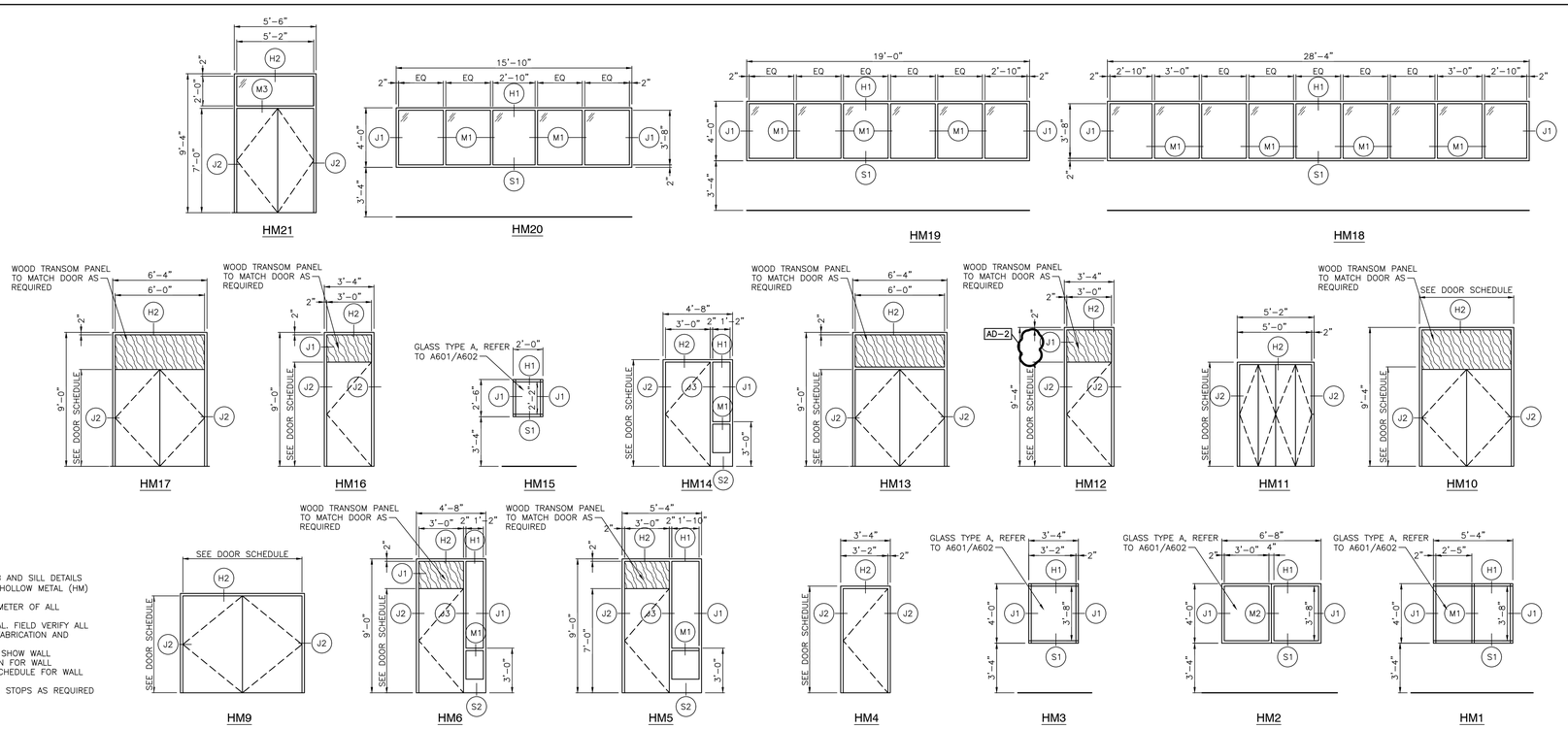
SCALE: NTS

2 / A-611



HOLLOW METAL (HM) FRAME PROFILES

SCALE: 3" = 1'-0"



NOTES - HOLLOW METAL (HM)

1. FOR HOLLOW METAL HEAD, JAMB AND SILL DETAILS REFER TO WALL SECTIONS AND HOLLOW METAL (HM) FRAME PROFILES .
2. PROVIDE SEALANT AROUND PERIMETER OF ALL FRAMES.
3. DIMENSIONS SHOWN ARE NOMINAL. FIELD VERIFY ALL DIMENSIONS SHOWN PRIOR TO FABRICATION AND INSTALLATION.
4. JAMB, HEAD, AND SILL DO NOT SHOW WALL CONSTRUCTION. SEE FLOOR PLAN FOR WALL MATERIALS. SEE ROOM FINISH SCHEDULE FOR WALL FINISHES.
5. 5. PROVIDE GLAZING AND GLASS STOPS AS REQUIRED

HOLLOW METAL FRAME ELEVATIONS (HM)

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

1 / A-611

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PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT 21–112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY NJW
CHECKED BY JPB

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

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DRAWING

HOLLOW METAL ELEVATIONS AND DETAILS

PROJECT

TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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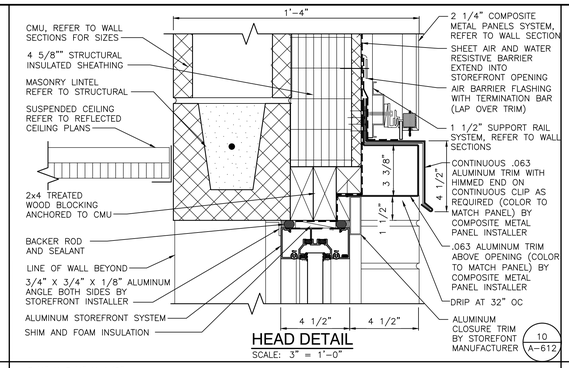
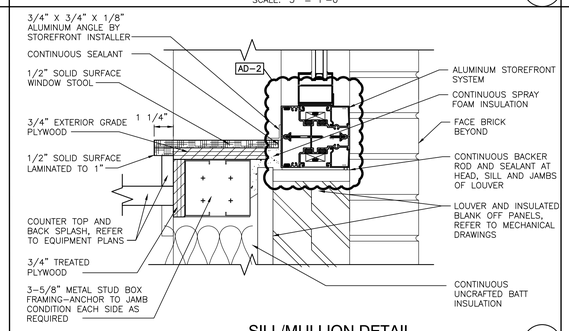


HEAD DETAIL
SCALE: 3" = 1'-0"



SILL/MULLION DETAIL
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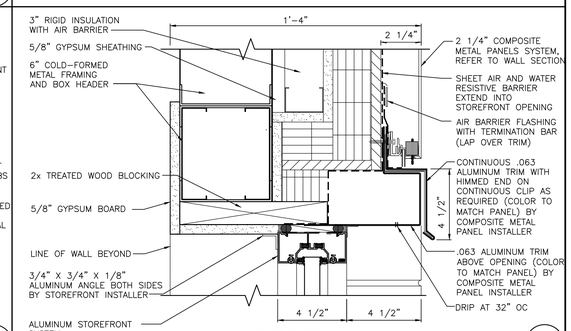

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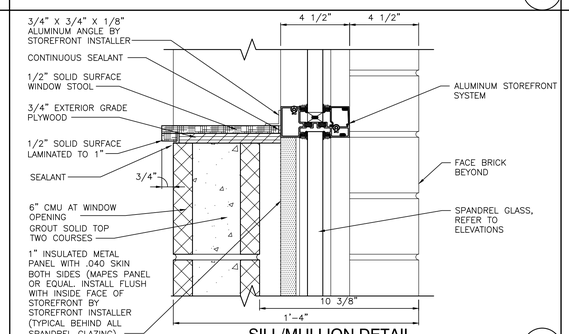

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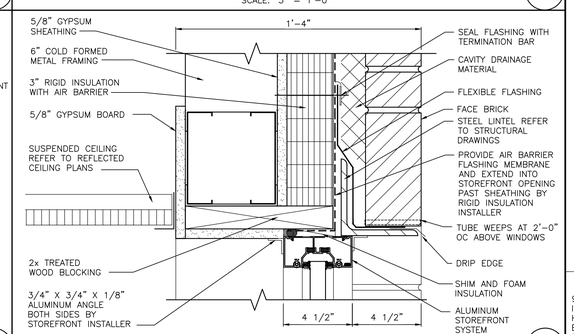

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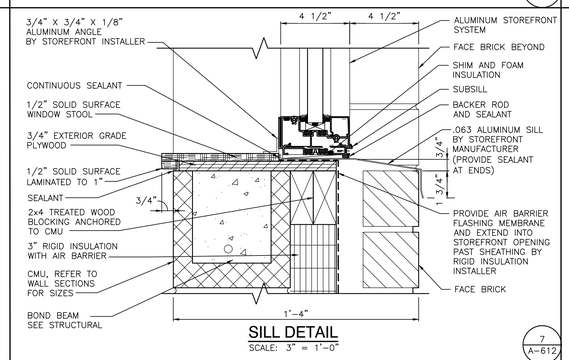

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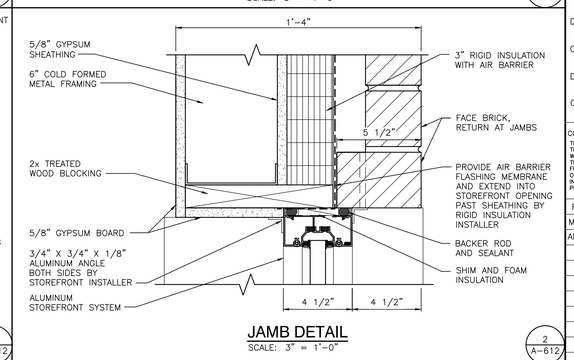
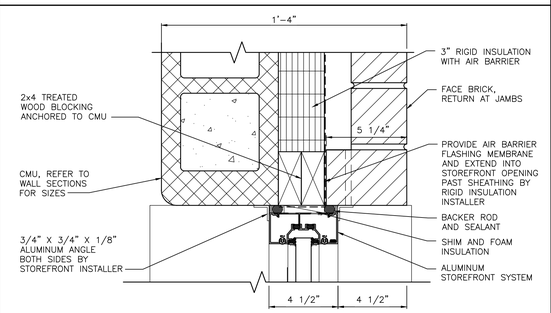


JAMB DETAIL
SCALE: 3" = 1'-0"



JAMB DETAIL
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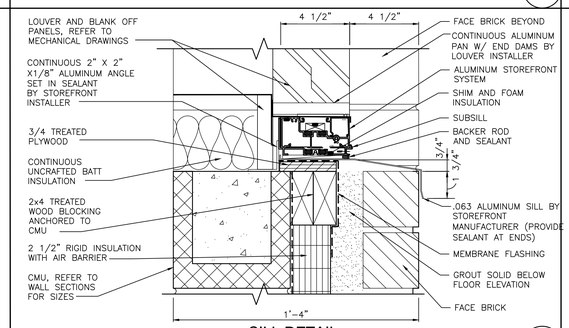

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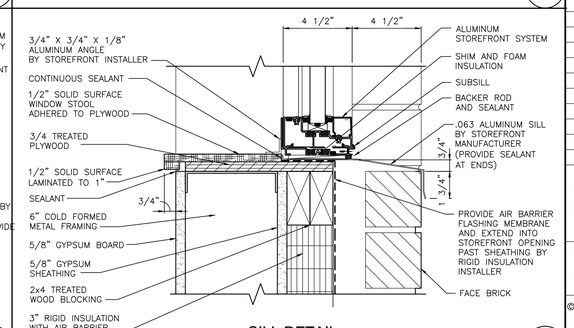

SILL DETAIL
SCALE: 3" = 1'-0"

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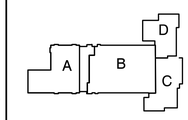
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



KEY PLAN

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PROJECT
21-112
DATE
02/07/22
COORDINATED BY
GWT
DRAWN BY
GWT
CHECKED BY
GWT

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

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
WINDOW ELEVATIONS AND DETAILS

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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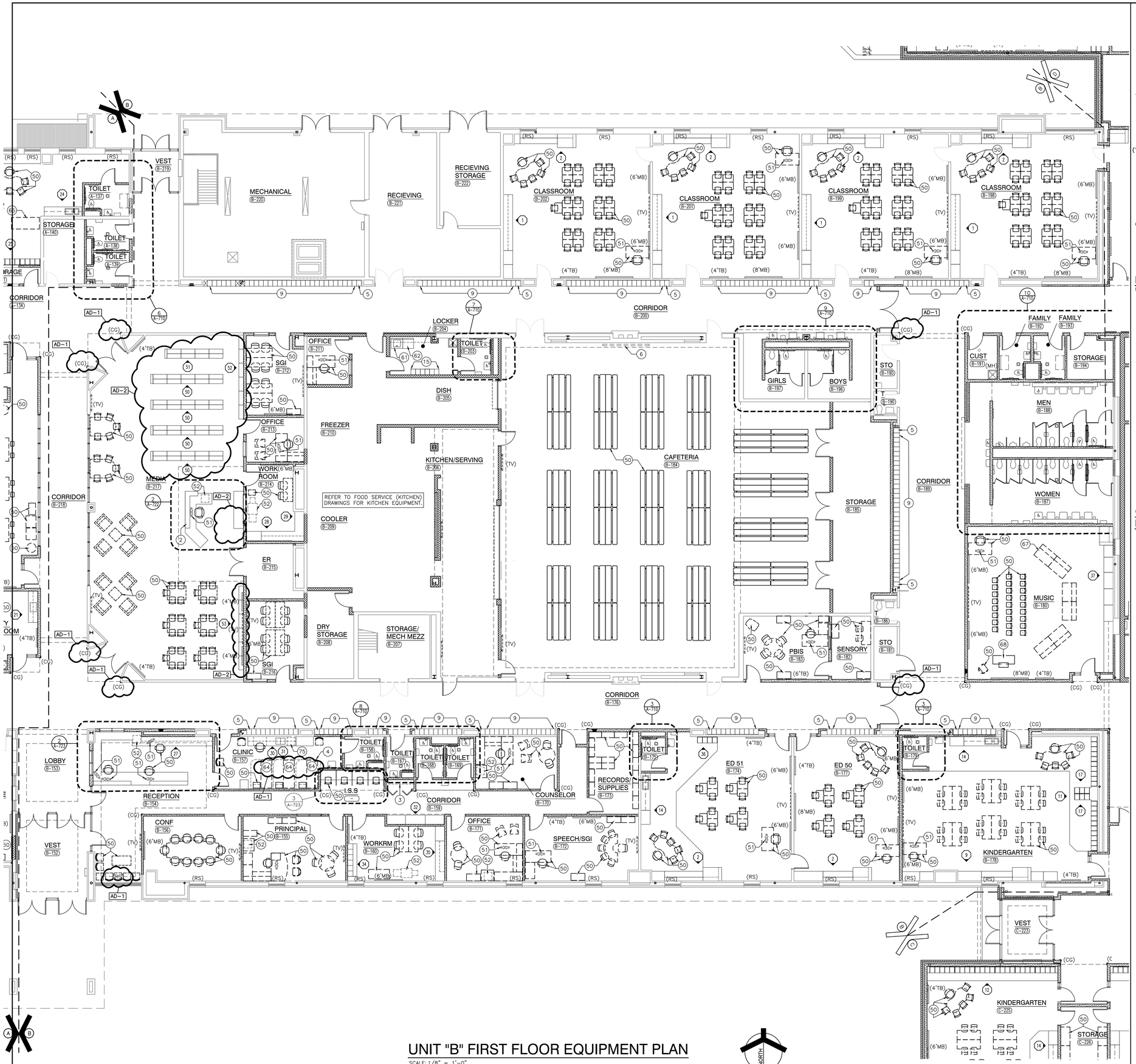
ADDITION AND RENOVATIONS\21-112 DRAWINGS\05
ARCH\A-612.DWG



UNIT "B" FIRST FLOOR EQUIPMENT PLAN

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

GENERAL EQUIPMENT PLAN NOTES:

A. REFER TO SPECIFICATIONS AND FINISH LEGEND FOR ADDITIONAL INFORMATION.
B. FIELD VERIFY ALL DIMENSIONS.
C. CASEWORK AND/OR MILLWORK INSTALLER TO COORDINATE ELECTRICAL AND PLUMBING WORK. REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR ELECTRICAL DEVICE TYPES, HEIGHTS, AND LOCATIONS.
D. REFER TO G SERIES DRAWINGS FOR MOUNTING HEIGHTS.
E. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ROOM ACCESSORIES.

EQUIPMENT PLAN LEGEND:

- (—) INDICATES CASEWORK ELEVATION SYMBOL – REFER TO A–700 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
- ------ INDICATES ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE BY OWNER. (NOT INCLUDED IN CONSTRUCTION CONTRACT).
- - - - INDICATES BULKHEADS OR OTHER OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).
- (⌉ CG) INDICATES CORNER GUARD. — 1/A-501
- (TB) INDICATES 4" HIGH TACK BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING. — 1/A-501
- (TB2) INDICATES 6" HIGH TACK BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING. — 1/A-501
- (MB) INDICATES 4" HIGH MARKER BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING.
- (TV) TELEVISION MONITOR, REFER TO TECHNOLOGY DRAWING.
- (MH) INDICATES MOP HOLDER ABOVE SERVICE SINK.
- (WDB) INDICATES INTERIOR WINDOW BLINDS.
- (RS) INDICATES ROLLER SHADE.

EQUIPMENT PLAN NOTES:

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

1. ROOF ACCESS LADDER, REFER TO FLOOR PLANS.
2. BOOK DROP, VERIFY HEIGHT WITH OWNER AND ARCHITECT. — AD-1
3. COAT ROD AND SHELF. — 2/A-501
4. CUBICLE CURTAIN AND TRACK (1'-0" RADIUS AT CORNER). — 3/A-501
5. ADA LOCKER – USE LOWER LOCKER WHERE DOUBLE STACKED.
6. PROJECTION SCREEN (ELECTRICALLY OPERATED).
7. BLEACHERS, REFER TO BLEACHER KEY NOTES.
8. LOCKER, TYPE A (DOUBLE). — 2/A-501
9. LOCKER, TYPE B (SINGLE). — 2/A-501
10. FORWARD FOLD GLASS BASKETBALL BACKSTOP AND SUPPORT FRAMING (MOTORIZED, ADJUSTABLE HEIGHT).
11. COURT MARKINGS AND EQUIPMENT. — A-840
12. SAFETY CUSHION WAINSCOT. — 4/A-501
13. SOUND CABINET, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
14. SCOREBOARD, REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.
15. LOCKER, TYPE C (DOUBLE). — 2/A-501
16. MAIN CURTAIN, BY OWNER
17. VALANCE, BY OWNER
18. CYCLORAMA CURTAIN, BY OWNER — 10/A-501

OWNER FURNISHED EQUIPMENT PLAN NOTES:

50. LOOSE FURNITURE, BY OWNER, INDICATED ON PLAN FOR ELECTRICAL AND TECHNOLOGY COORDINATION.
51. COMPUTER/MONITOR, BY OWNER
52. PRINTER/COPIER, BY OWNER
53. REFRIGERATOR WITH ICE MAKER, BY OWNER
54. RANGE WITH HOOD, BY OWNER (PROVIDE 30" WIDE OPENING).
55. LAMINATOR, BY OWNER
56. BINDING MACHINE, BY OWNER
57. DIE CUT MACHINE, BY OWNER
58. KILN, BY OWNER, REFER TO MECHANICAL DRAWINGS FOR EXAUST
59. MICROWAVE, BY OWNER
60. COFFEE MAKER, BY OWNER
61. CLOTHES WASHER, BY OWNER
62. CLOTHES DRYER, BY OWNER
63. VENDING MACHINE, BY OWNER
64. CLINIC COTS, BY OWNER
65. BED, BY OWNER
66. DEMONSTRATION TABLE, BY OWNER
67. STEPPED MUSIC PLATFORM, BY OWNER
68. PIANO, BY OWNER
69. NOT USED
70. NOT USED
71. NOT USED
72. PAPER ROLL, BY OWNER
73. POSTER PRINTER, BY OWNER
74. PAPER CUTTER, BY OWNER
75. UNDER COUNTER REFRIGERATOR, BY OWNER

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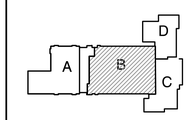
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



KEY PLAN

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PROJECT 21–112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY EKM
CHECKED BY CLN NAS

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

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AD–1	02/17/22	ADDENDUM NO. 1
AD–2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "B" FIRST FLOOR EQUIPMENT PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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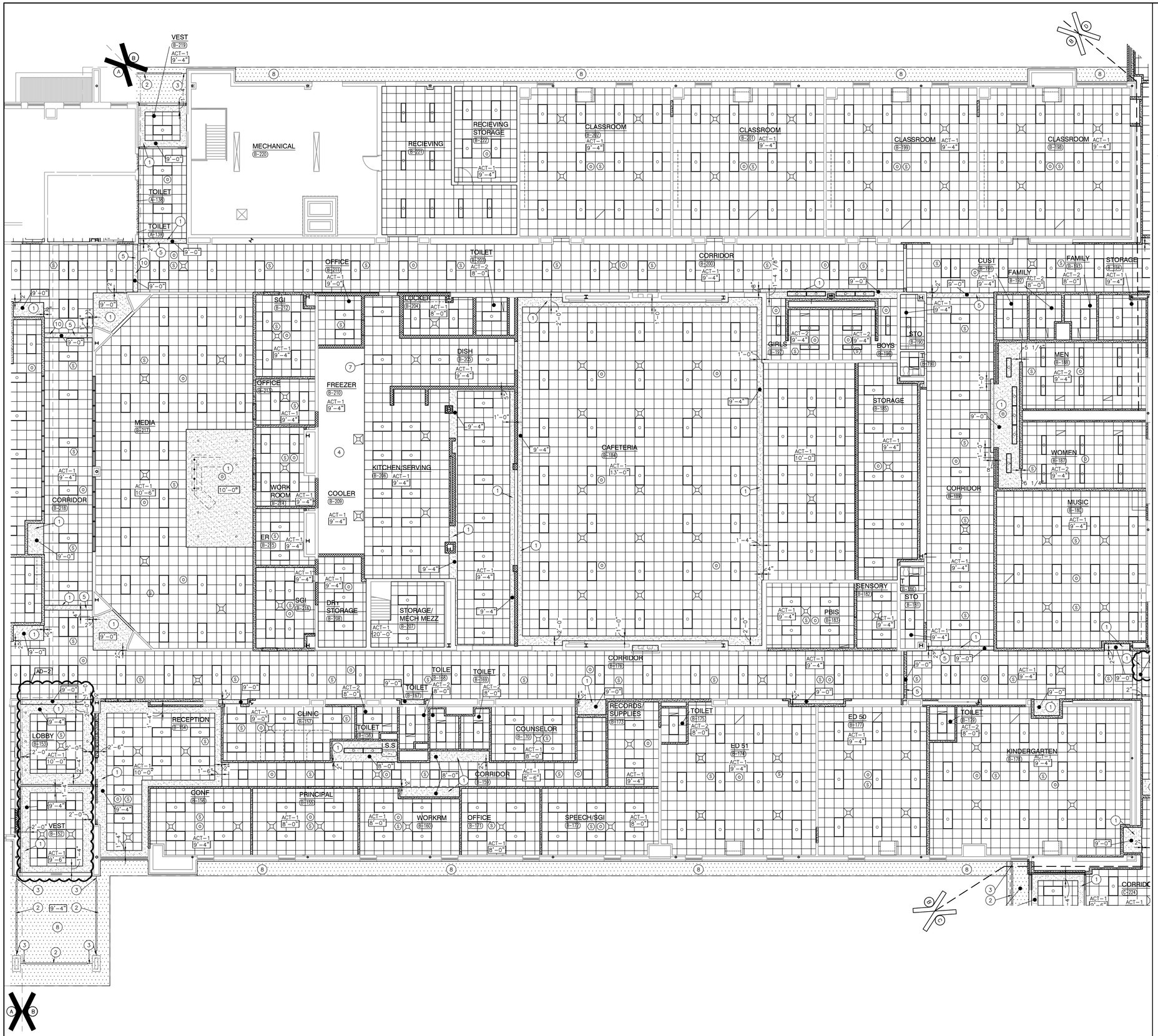

UNIT "B" FIRST FLOOR REFLECTED CEILING PLAN

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

NORTH

GENERAL REFLECTED CEILING PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI 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 ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.

F. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.

G. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.

H. PROVIDE RADIUS PERIMETER ANGLE TRIM CORNERS AT BULLNOSE CONCRETE MASONRY UNIT CORNERS.

I. PAINT BULKHEADS P2, UNLESS NOTED OTHERWISE.

REFLECTED CEILING PLAN LEGEND:

- GYPSUM BOARD BULKHEAD/CEILING
- EFS SOFFIT
- 2'-0" 2'-0" ACST. BD. CEILING
- SEE FINISH LEGEND
- LED LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- SPEAKER
- OCCUPANCY SENSOR
- SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE

REFLECTED CEILING PLAN NOTES:

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

1. GYPSUM BOARD BULKHEAD. (A-905)
2. 2" W. SOFFIT VENT. LENGTH AS INDICATED.
3. SOFFIT "V" JOINT
4. OPEN TO STRUCTURE ABOVE – NO CEILING REQUIRED
5. PAINT BULKHEAD P5.
6. GYM EQUIPMENT, REFER TO EQUIPMENT DRAWINGS.
7. 4"X4" STAINLESS STEEL CLOSURE TRIM BETWEEN FACE OF COOLER AND CEILING GRID – REFER TO KITCHEN EQUIPMENT DRAWINGS
8. EXISTING PLASTER SOFFIT TO REMAIN. REMOVE LOOSE OR WATER DAMAGED PLASTER AND PATCH CRACKS AND/OR HOLES WITH BASE COAT. APPLY ELECTROMETRIC COATING ON ENTIRE PLASTER SOFFIT SURFACE. (ESTIMATE 75 LINEAR FEET OF 6" WIDE CRACKED OR LOOSE SURFACE THAT WILL NEED TO BE REMOVED AND REPLACED.)
9. – –
10. GYPSUM BOARD BULKHEAD REFRAMING OF EXISTING BULKHEAD.
11. GYPSUM BOARD BULKHEAD CAP OF EXISTING BULKHEAD AFTER REMOVAL OF EXISTING BULKHEAD EXTENSION.

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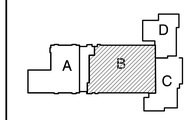
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



KEY PLAN

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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY MMM
CHECKED BY JPB

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

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REVISIONS

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AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "B" FIRST FLOOR REFLECTED CEILING PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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B

SHEET A-903

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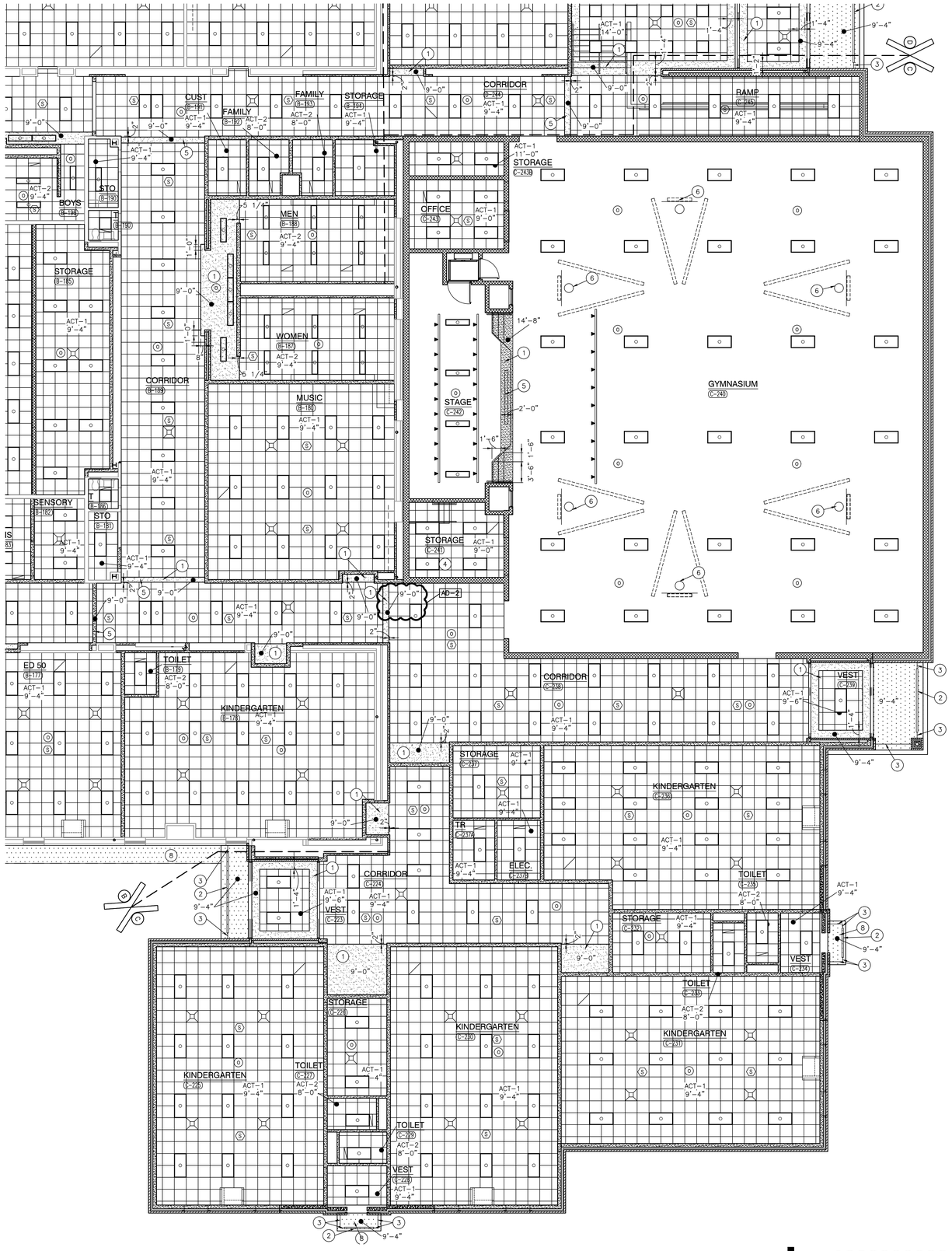

UNIT "C" ARCHITECTURAL FIRST FLOOR PLAN

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

NORTH

REFLECTED CEILING PLAN NOTES ADDED IN ADDENDUM 2

AD-2

GENERAL REFLECTED CEILING PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI SERIES SHEETS.

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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 ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.

F. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.

G. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.

H. PROVIDE RADIUS PERIMETER ANGLE TRIM CORNERS AT BULLNOSE CONCRETE MASONRY UNIT CORNERS.

I. PAINT BULKHEADS P2, UNLESS NOTED OTHERWISE.

REFLECTED CEILING PLAN LEGEND:

- GYPSUM BOARD BULKHEAD/CEILING
- EFS SOFFIT
- 2'-0" 2'-0" ACST. BD. CEILING
- SEE FINISH LEGEND
- LED LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- SPEAKER
- OCCUPANCY SENSOR
- SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE

REFLECTED CEILING PLAN NOTES:

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

1. GYPSUM BOARD BULKHEAD. (1/A-905)
2. 2" W. SOFFIT VENT. LENGTH AS INDICATED.
3. SOFFIT "V" JOINT
4. OPEN TO STRUCTURE ABOVE – NO CEILING REQUIRED
5. PAINT BULKHEAD P5.
6. GYM EQUIPMENT, REFER TO EQUIPMENT DRAWINGS.
7. 4"X4" STAINLESS STEEL CLOSURE TRIM BETWEEN FACE OF COOLER AND CEILING GRID – REFER TO KITCHEN EQUIPMENT DRAWINGS
8. EXISTING PLASTER SOFFIT TO REMAIN. REMOVE LOOSE OR WATER DAMAGED PLASTER AND PATCH CRACKS AND/OR HOLES WITH BASE COAT. APPLY ELECTROMETRIC COATING ON ENTIRE PLASTER SOFFIT SURFACE. (ESTIMATE 75 LINEAR FEET OF 6" WIDE CRACKED OR LOOSE SURFACE THAT WILL NEED TO BE REMOVED AND REPLACED.)
9. --
10. GYPSUM BOARD BULKHEAD REFRAMING OF EXISTING BULKHEAD.
11. GYPSUM BOARD BULKHEAD CAP OF EXISTING BULKHEAD AFTER REMOVAL OF EXISTING BULKHEAD EXTENSION.

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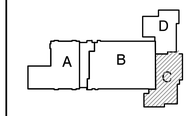
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY MMM
CHECKED BY JPB

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

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AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "C" FIRST FLOOR REFLECTED CEILING PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET C A-904

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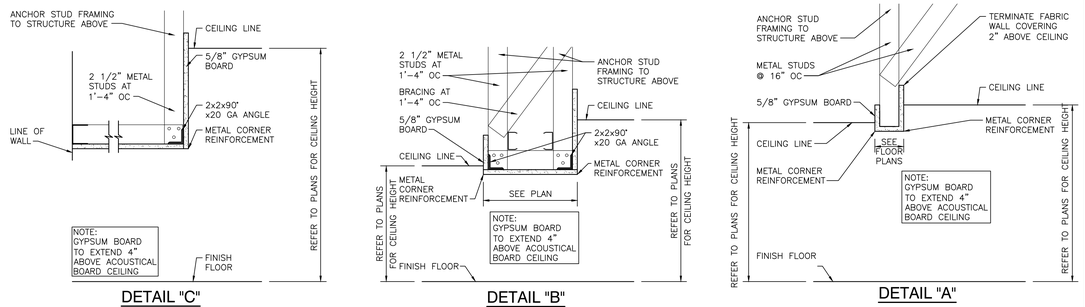
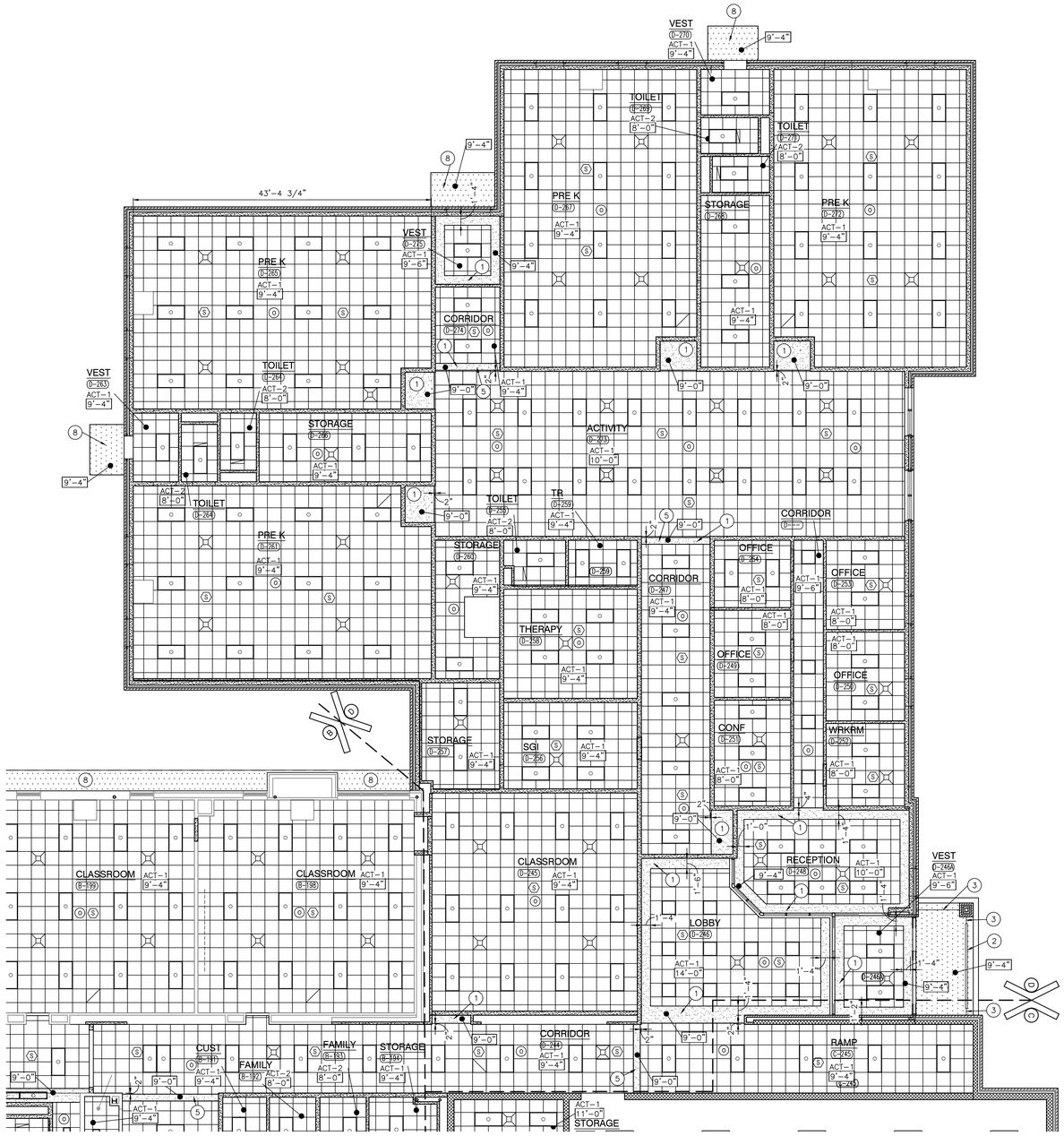


BULKHEAD DETAILS

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

1 A-905

AD-2



UNIT "D" FIRST FLOOR REFLECTED CEILING PLAN

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

NORTH

GENERAL REFLECTED CEILING PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI 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 ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.

F. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.

G. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.

H. PROVIDE RADIUS PERIMETER ANGLE TRIM CORNERS AT BULLNOSE CONCRETE MASONRY UNIT CORNERS.

I. PAINT BULKHEADS P2, UNLESS NOTED OTHERWISE.

REFLECTED CEILING PLAN LEGEND:

- GYPSUM BOARD BULKHEAD/CEILING
- EFS SOFFIT
- 2'-0" x 2'-0" ACST. BD. CEILING
- SEE FINISH LEGEND
- LED LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- SPEAKER
- OCCUPANCY SENSOR
- SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE

REFLECTED CEILING PLAN NOTES:

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

1. GYPSUM BOARD BULKHEAD. (1 / A-905)
2. 2" W. SOFFIT VENT. LENGTH AS INDICATED.
3. SOFFIT "V" JOINT
4. OPEN TO STRUCTURE ABOVE – NO CEILING REQUIRED
5. PAINT BULKHEAD P5.
6. GYM EQUIPMENT, REFER TO EQUIPMENT DRAWINGS.
7. 4"X4" STAINLESS STEEL CLOSURE TRIM BETWEEN FACE OF COOLER AND CEILING GRID – REFER TO KITCHEN EQUIPMENT DRAWINGS
8. EXISTING PLASTER SOFFIT TO REMAIN. REMOVE LOOSE OR WATER DAMAGED PLASTER AND PATCH CRACKS AND/OR HOLES WITH BASE COAT. APPLY ELECTROMETRIC COATING ON ENTIRE PLASTER SOFFIT SURFACE. (ESTIMATE 75 LINEAR FEET OF 6" WIDE CRACKED OR LOOSE SURFACE THAT WILL NEED TO BE REMOVED AND REPLACED.)
9. --
10. GYPSUM BOARD BULKHEAD REFRAMING OF EXISTING BULKHEAD.
11. GYPSUM BOARD BULKHEAD CAP OF EXISTING BULKHEAD AFTER REMOVAL OF EXISTING BULKHEAD EXTENSION.

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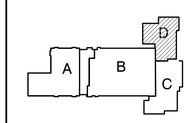
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



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PROJECT 21-112
DATE 02/07/22
COORDINATED BY TA
DRAWN BY MMM
CHECKED BY JPB

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

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AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "D" FIRST FLOOR REFLECTED CEILING PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET D A-905

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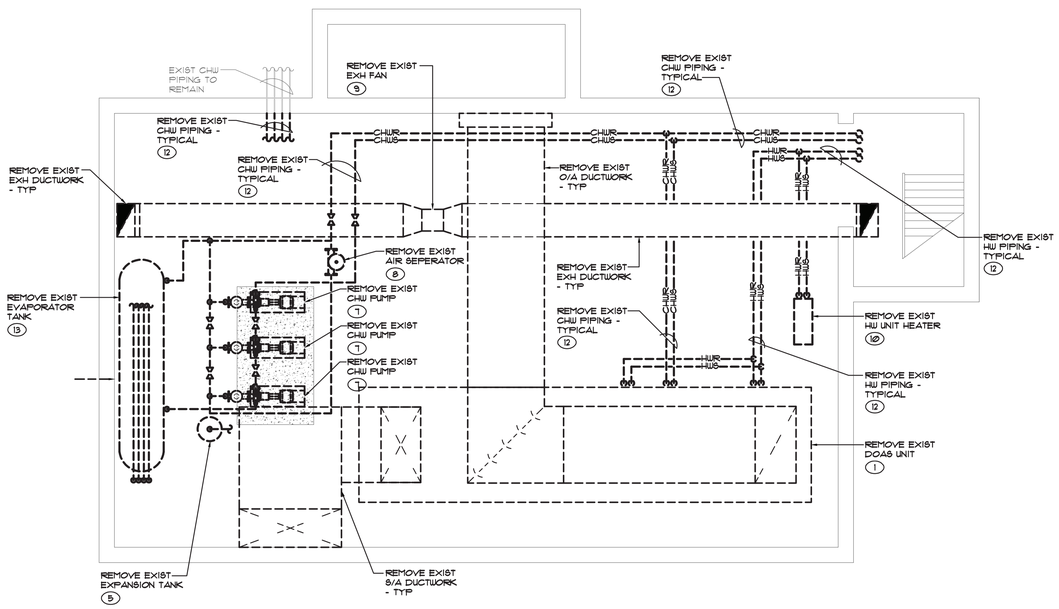
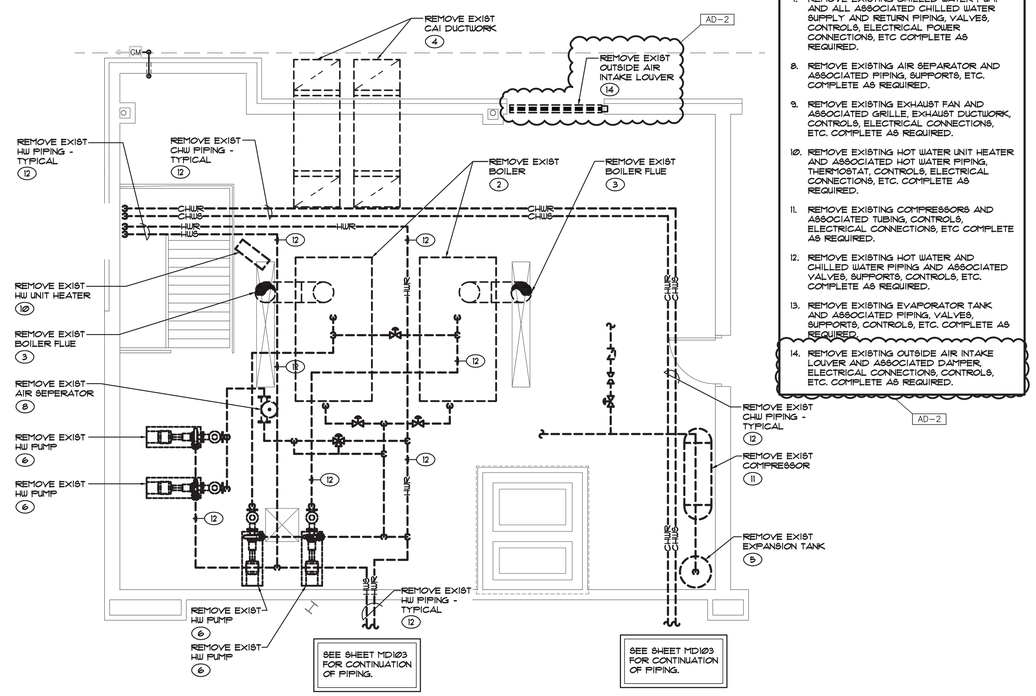


UNIT "B" MECHANICAL DEMOLITION BASEMENT PIPING PLAN

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



UNIT "B" MECHANICAL DEMOLITION ENLARGED BOILER ROOM PIPING PLAN

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

SHEET NOTES

1. REMOVE EXISTING INTERIOR HVAC UNIT AND ASSOCIATED SUPPLY DUCT, RETURN DUCT, OUTSIDE AIR DUCTWORK, OUTSIDE AIR INTAKE LOUVER, THERMOSTAT, CONTROL WIRING, CONDENSATE RETURN PIPING, VALVES, CIRCULATING PUMP, ELECTRICAL CONNECTIONS ETC. COMPLETE AS REQUIRED. EXISTING LOUVER IS TO BE ABANDONED - PROVIDE NEW INSULATED (MIN R30) GALVANIZED SHEETMETAL PANEL TO BLANK-OFF LOUVER OPENING ON INSIDE OF BUILDING - SEAL WEATHERTIGHT AS REQUIRED.
2. REMOVE EXISTING BOILERS AND ALL ASSOCIATED HOT WATER SUPPLY AND RETURN PIPING, GAS PIPING, MAKE-UP WATER, EXPANSION TANK, SPECIALTIES, FLUES, CONTROLS, ELECTRICAL POWER CONNECTIONS, ETC COMPLETE AS REQUIRED.
3. REMOVE EXISTING BOILER FLUE AND ASSOCIATED DAMPERS, ETC COMPLETE AS REQUIRED. CAP FLUE AT BOILER ROOM ROOF WITH R-22 INSULATED SHEETMETAL PANEL COMPLETE AS REQUIRED.
4. REMOVE EXISTING COMBUSTION AIR INTAKE DUCTWORK AND ASSOCIATED DAMPERS, HOOD, LOUVER, CONTROLS, ELECTRICAL CONNECTIONS, ETC COMPLETE AS REQUIRED. CAP INTAKE OPENING WITH R-22 INSULATED SHEETMETAL PANEL COMPLETE AS REQUIRED.
5. REMOVE EXISTING EXPANSION TANK AND ASSOCIATED PIPING COMPLETE AS REQUIRED.
6. REMOVE EXISTING HOT WATER PUMP AND ALL ASSOCIATED HOT WATER SUPPLY AND RETURN PIPING, VALVES, CONTROLS, ELECTRICAL POWER CONNECTIONS, ETC COMPLETE AS REQUIRED.
7. REMOVE EXISTING CHILLED WATER PUMP AND ALL ASSOCIATED CHILLED WATER SUPPLY AND RETURN PIPING, VALVES, CONTROLS, ELECTRICAL POWER CONNECTIONS, ETC COMPLETE AS REQUIRED.
8. REMOVE EXISTING AIR SEPARATOR AND ASSOCIATED PIPING, SUPPORTS, ETC. COMPLETE AS REQUIRED.
9. REMOVE EXISTING EXHAUST FAN AND ASSOCIATED GRILLE, EXHAUST DUCTWORK, CONTROLS, ELECTRICAL CONNECTIONS, ETC. COMPLETE AS REQUIRED.
10. REMOVE EXISTING HOT WATER UNIT HEATER AND ASSOCIATED HOT WATER PIPING, THERMOSTAT, CONTROLS, ELECTRICAL CONNECTIONS, ETC. COMPLETE AS REQUIRED.
11. REMOVE EXISTING COMPRESSORS AND ASSOCIATED TUBING, CONTROLS, ELECTRICAL CONNECTIONS, ETC COMPLETE AS REQUIRED.
12. REMOVE EXISTING HOT WATER AND CHILLED WATER PIPING AND ASSOCIATED VALVES, SUPPORTS, CONTROLS, ETC. COMPLETE AS REQUIRED.
13. REMOVE EXISTING EVAPORATOR TANK AND ASSOCIATED PIPING, VALVES, SUPPORTS, CONTROLS, ETC. COMPLETE AS REQUIRED.
14. REMOVE EXISTING OUTSIDE AIR INTAKE LOUVER AND ASSOCIATED DAMPER, ELECTRICAL CONNECTIONS, CONTROLS, ETC. COMPLETE AS REQUIRED.

AD-2

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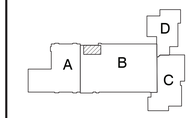
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



KEY PLAN

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PROJECT 21-112
DATE 02/07/21
COORDINATED BY SM
DRAWN BY KS
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "B" MECHANICAL ENLARGED DEMOLITION PIPING PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET B MD104

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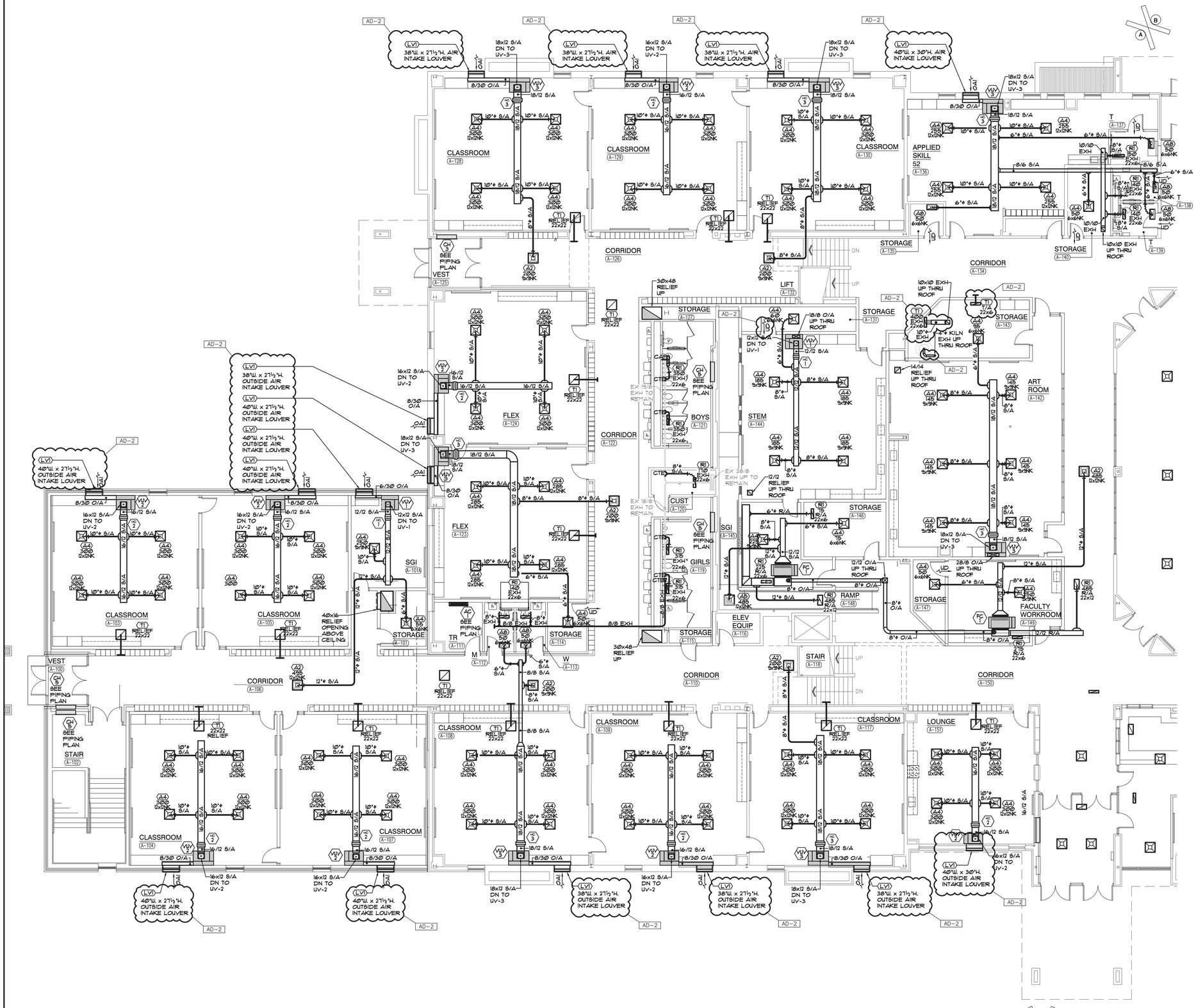

UNIT "A" MECHANICAL FIRST FLOOR VENTILATION PLAN

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

NORTH

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PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

KEY PLAN

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PROJECT 21-112

DATE 02/07/21

COORDINATED BY SM

DRAWN BY KS

CHECKED BY DJ

REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER DAVID G. JANNEY

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DRAWING

UNIT "A" MECHANICAL FIRST FLOOR VENTILATION PLAN

PROJECT

TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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A

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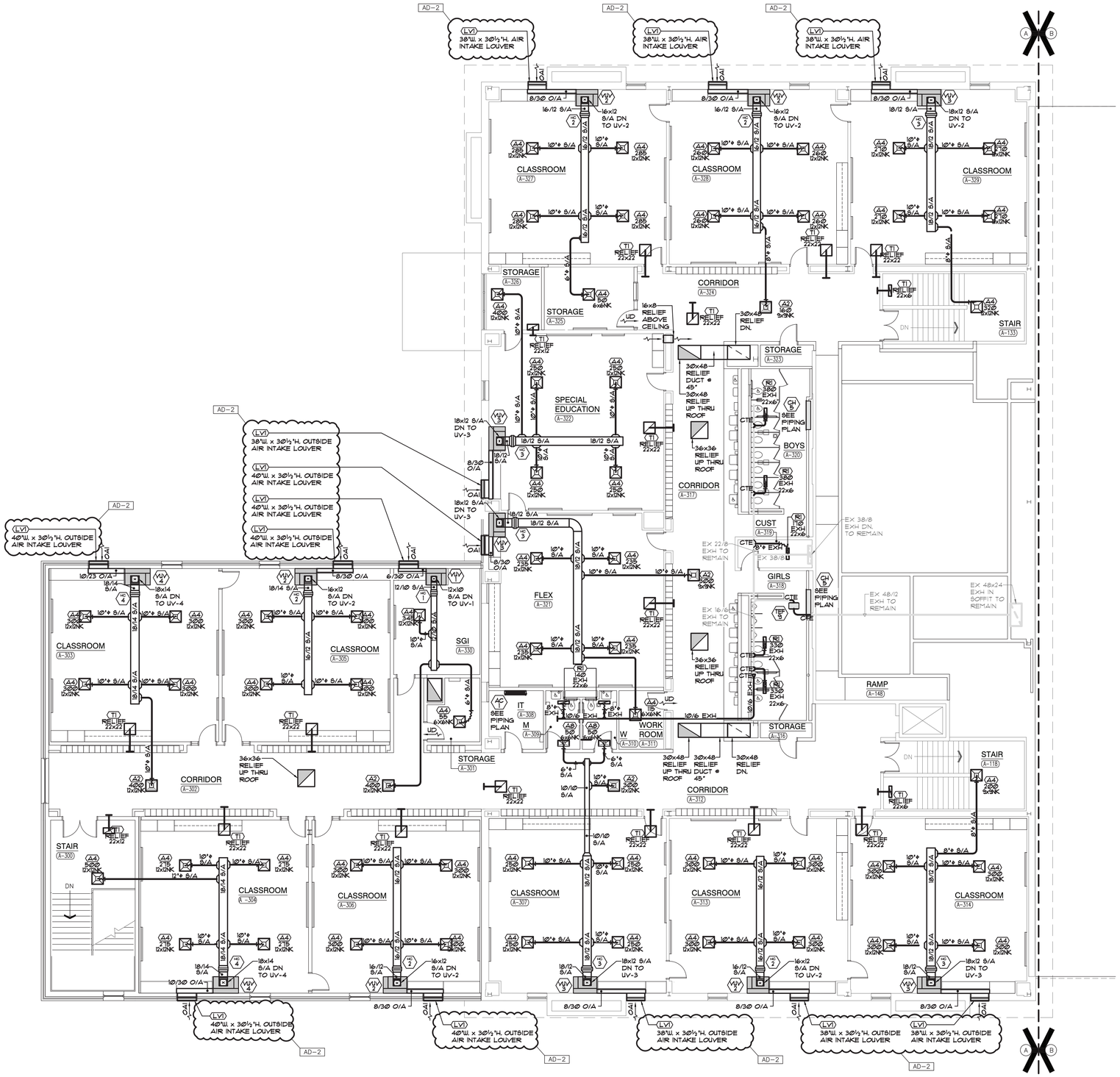
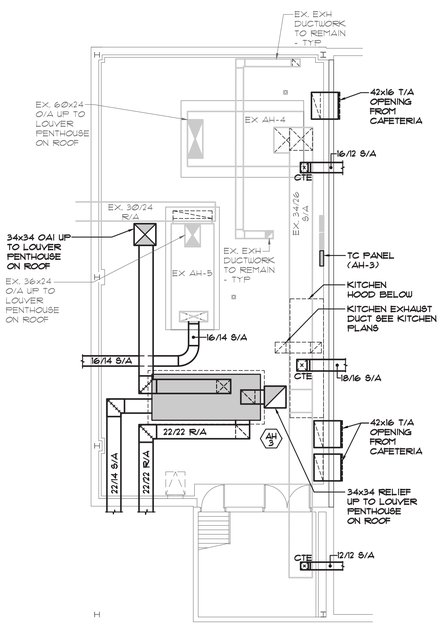


UNIT "A" MECHANICAL SECOND FLOOR VENTILATION PLAN

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



UNIT "B" MECHANICAL MEZZANINE VENTILATION PLAN

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

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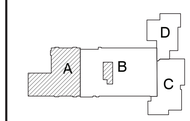
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



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PROJECT 21-112

DATE 02/07/21

COORDINATED BY SM

DRAWN BY KS

CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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DRAWING

UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE MECHANICAL VENTILATION PLAN

PROJECT

TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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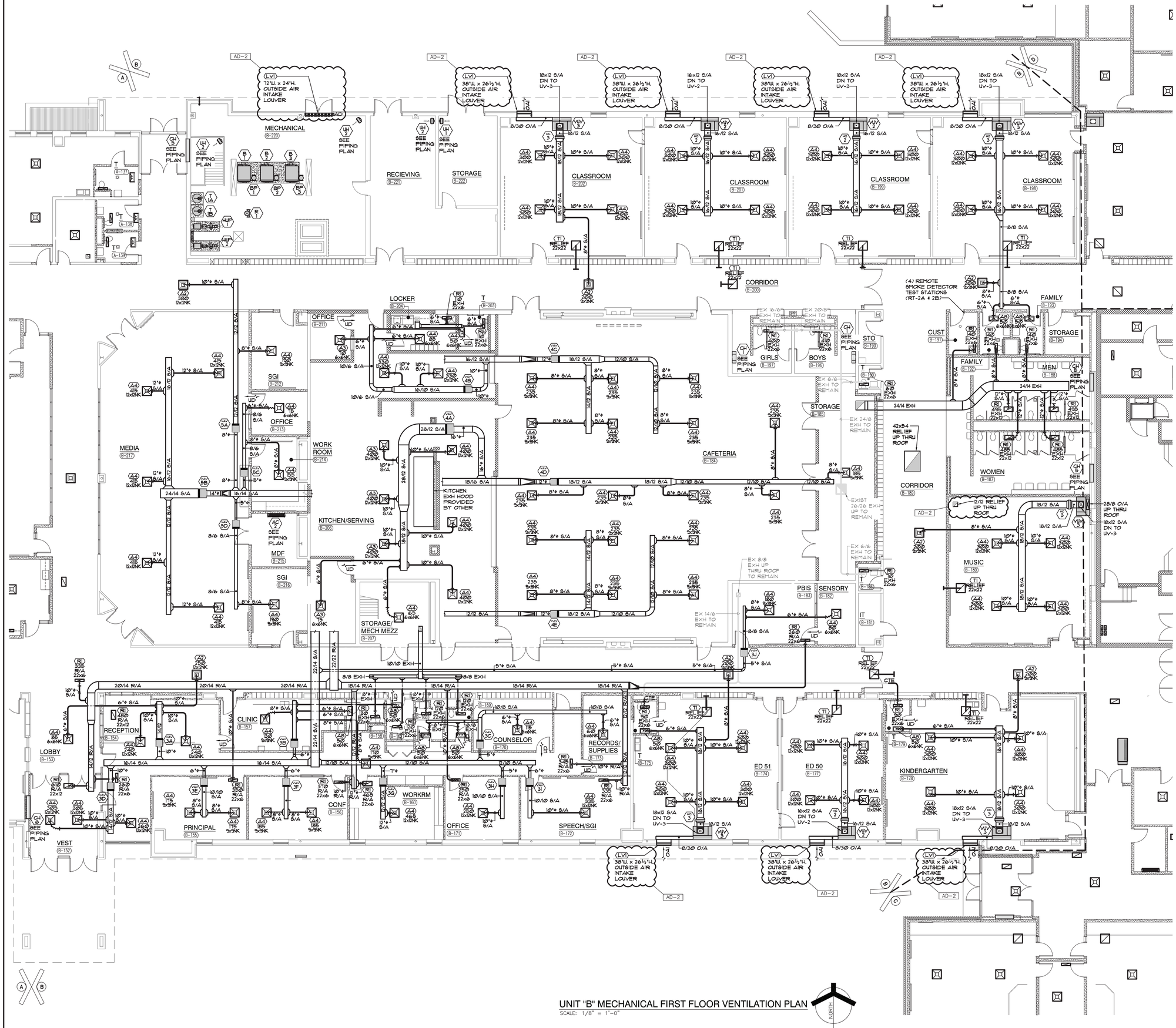

UNIT "B" MECHANICAL FIRST FLOOR VENTILATION PLAN

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

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UNIT "B" MECHANICAL FIRST FLOOR VENTILATION PLAN

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TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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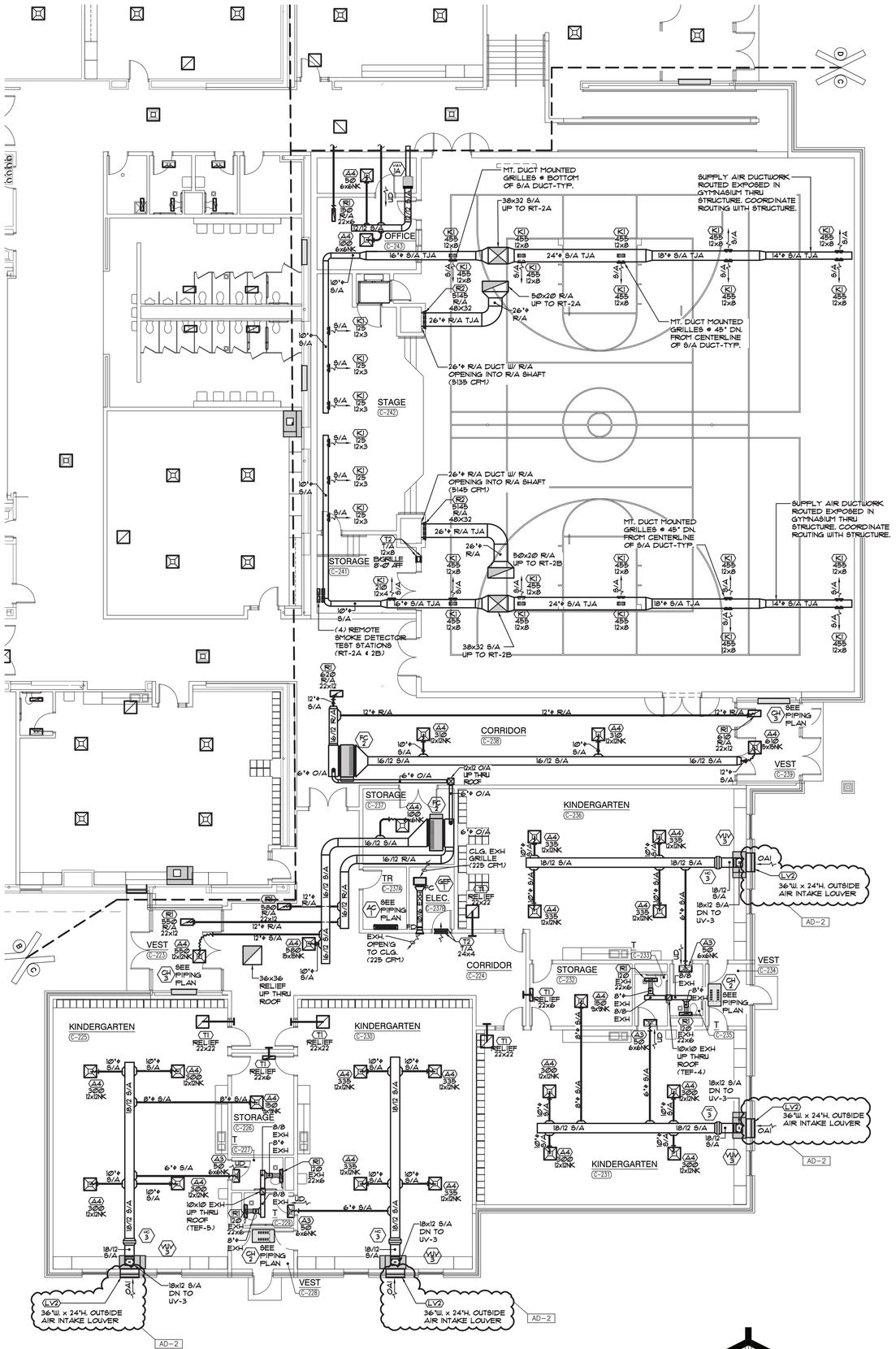

UNIT "C" MECHANICAL FIRST FLOOR VENTILATION PLAN

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

NORTH

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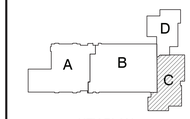
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



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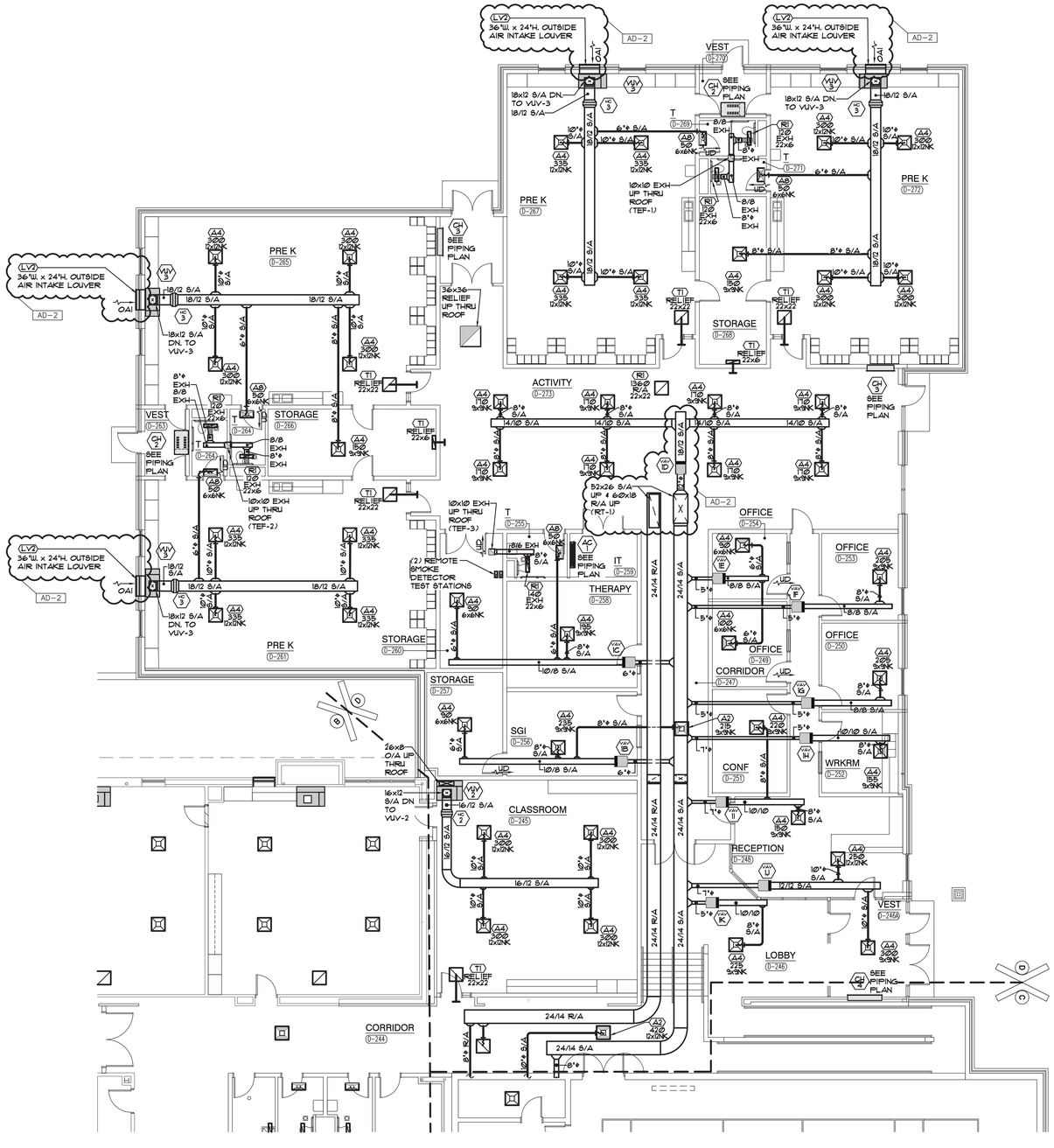

UNIT "D" MECHANICAL FIRST FLOOR VENTILATION PLAN

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

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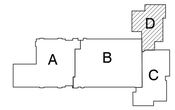

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UNIT "D" MECHANICAL FIRST FLOOR VENTILATION PLAN

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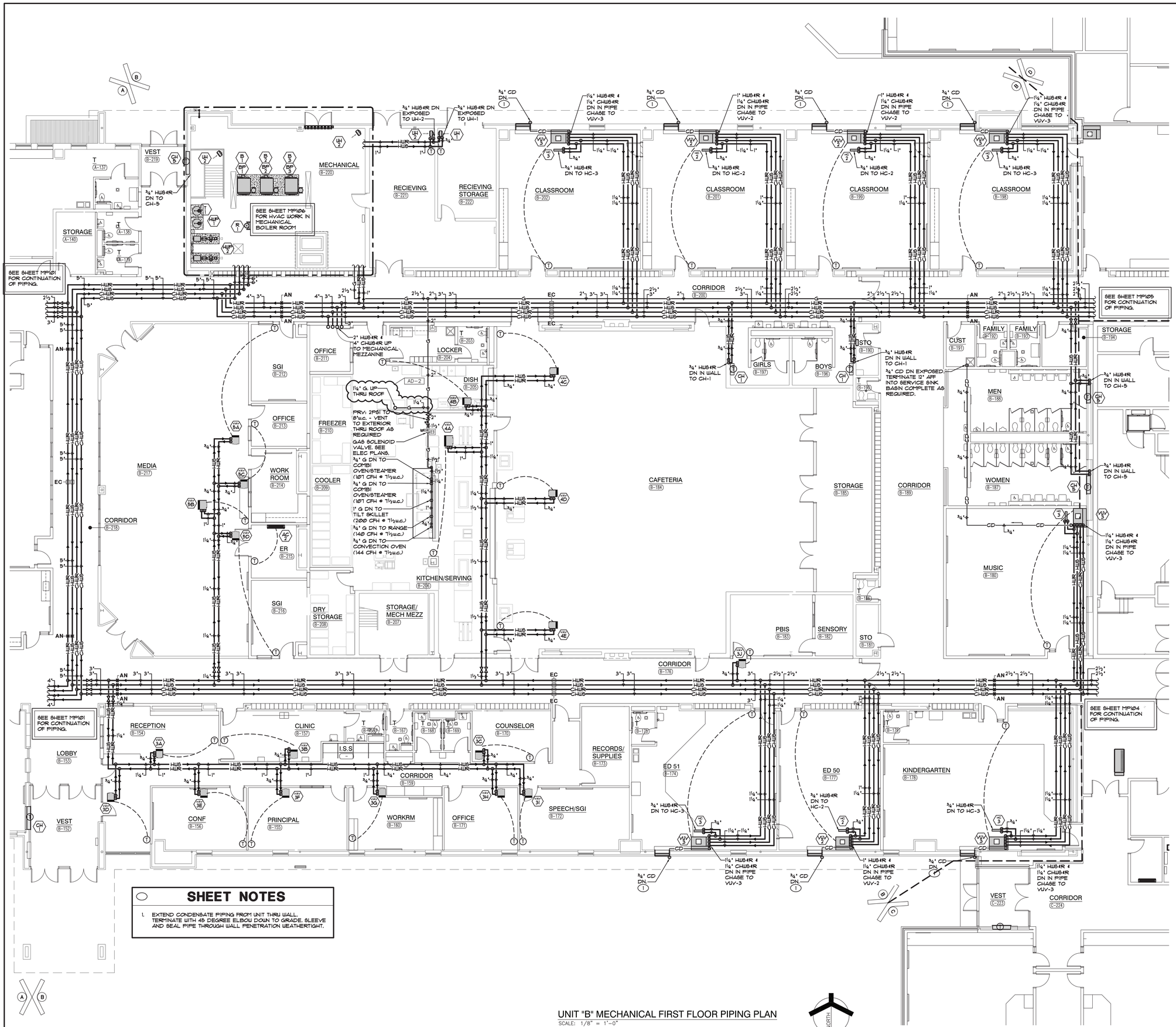

SHEET NOTES

1. EXTEND CONDENSATE PIPING FROM UNIT THRU WALL. TERMINATE WITH 45 DEGREE ELBOW DOWN TO GRADE. SLEEVE AND SEAL PIPE THROUGH WALL PENETRATION WEATHERTIGHT.

UNIT "B" MECHANICAL FIRST FLOOR PIPING PLAN

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

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DRAWING
UNIT "B" MECHANICAL FIRST FLOOR PIPING PLAN

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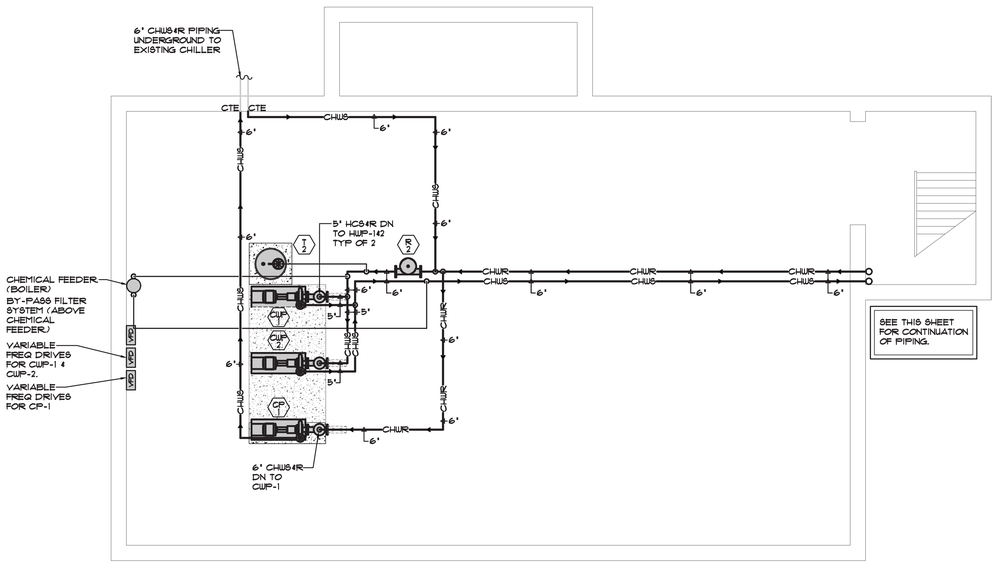
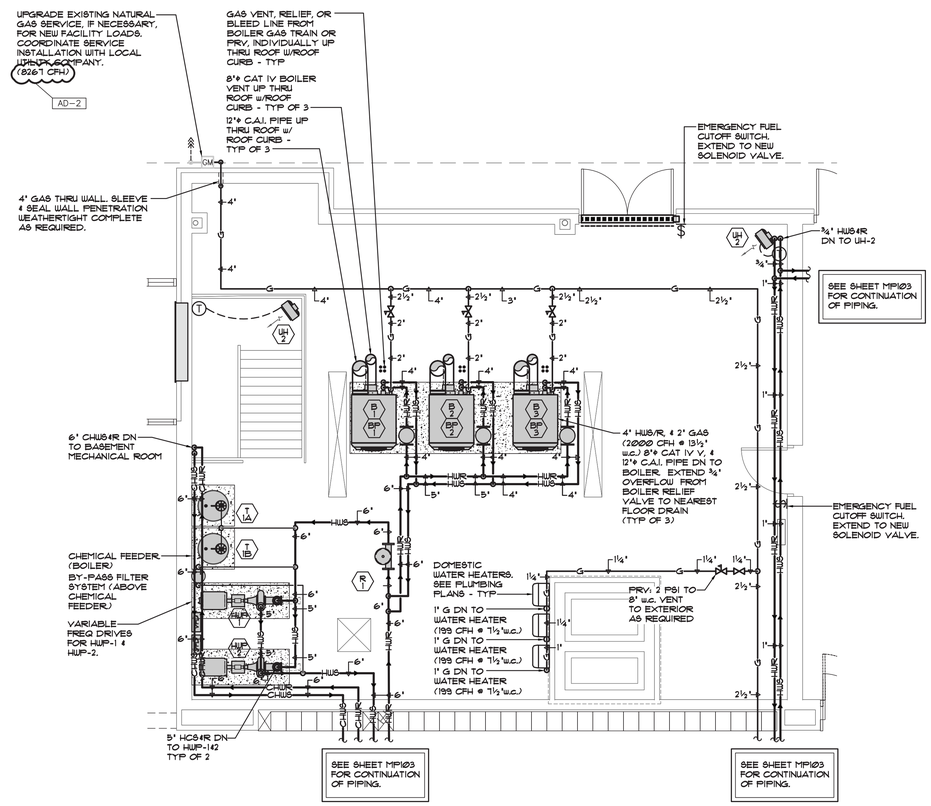


UNIT "B" MECHANICAL BASEMENT PIPING PLAN

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



UNIT "B" MECHANICAL ENLARGED BOILER ROOM PIPING PLAN

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

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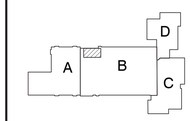

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DRAWING

UNIT "B" MECHANICAL ENLARGED PIPING PLAN

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TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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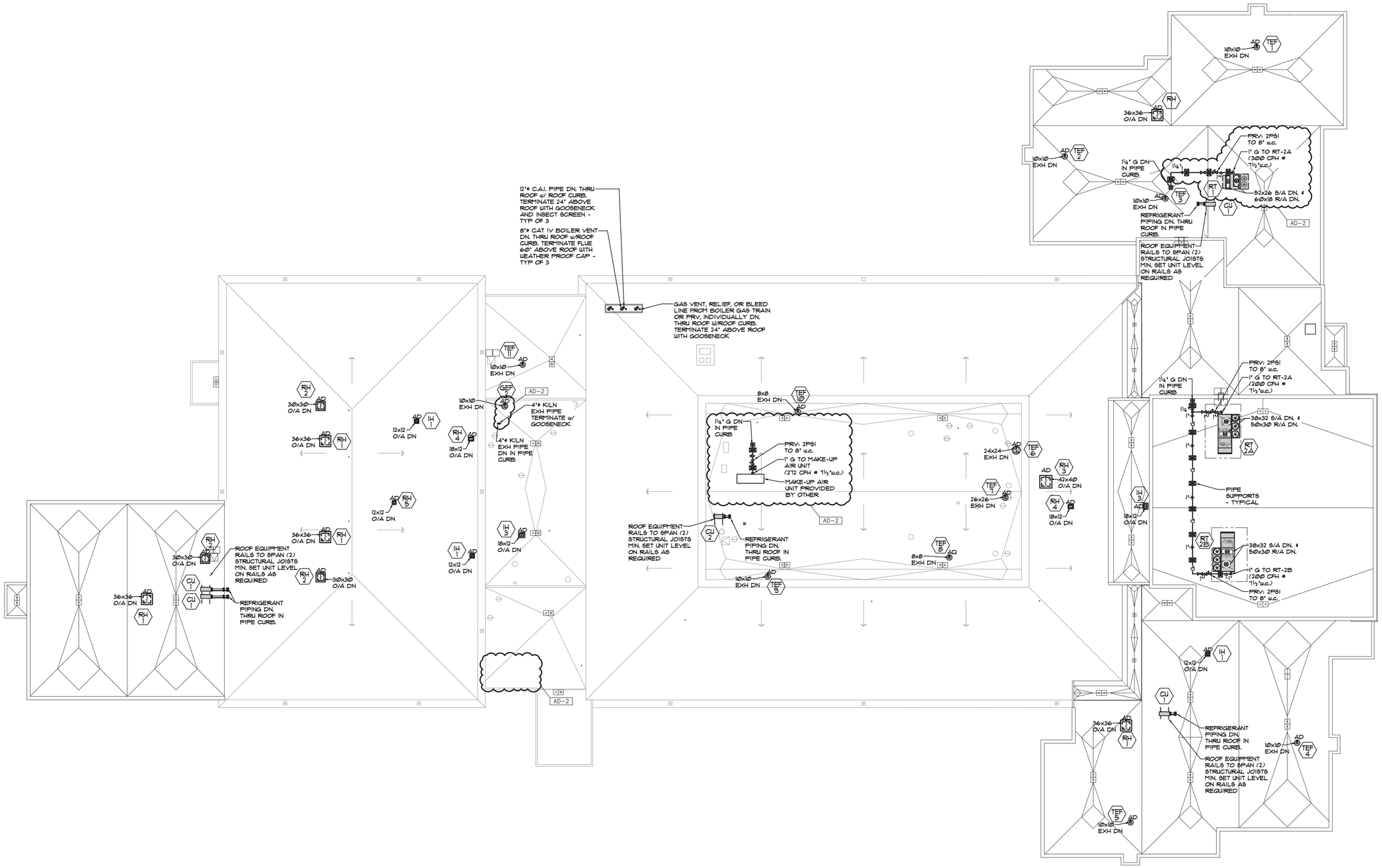

MECHANICAL HVAC ROOF PLAN

SCALE: 1" = 20'-0"

NORTH

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DRAWING
MECHANICAL HVAC ROOF PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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MECHANICAL EQUIPMENT SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	DESCRIPTION	FAN MOTOR DATA CFM	MIN. OA CFM HIGH	MIN. OA CFM LOW	ESP	BHP	HP	RPM	EXHAUST FANS CFM	ESP	BHP	HP	RPM	DX COOLING EQUIP/COIL DATA MBH	SHC	EDB	EWB	LDB	LWB	CAT	STGS	GAS FIRED HEATING DATA MBH (IN)	MBH (OUT)	EAT	LAT	STGS	CHILLED WATER COOLING DATA MBH	SHC	GPM	EDB	EWB	LDB	LWB	EWT	LWT	MAX WPD	CAT	HOT WATER HEATING DATA MBH (IN)	MBH (OUT)	GPM	EAT	LAT	EWT	LWT	MAX WPD	ELECTRICAL DATA LOAD HP	MCA	FLA	AMP	MOCP	VOLT	PH	HZ.	START BY: MC.	EC.	UNITS CONTROL'D BY	EQUIP WEIGHT	REMARKS
AH-3	TRANE	CSAA008	INTERIOR CENTRAL STATION AIR HANDLING UNIT	3950	665	-	2.5	6.6	8	3396	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	143	113	28.6	78.1	62.9	50.7	49.4	44	54	15	-	-	54.1	5.4	-10	65	160	140	15	-	16	14	-	-	480	3	60	X	-	FMS	1700	NOTE 1
			HOT WATER HEATING / CHILLED WATER COOLING - VAV	-	-	-	-	-	-	-	3950	1.1	1.55	6	1542	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	480	3	60	X	-	FMS	1700	-
B-1	CAMUS	AR-2000	GAS FIRED H.W. CONDENSING BOILER W/SEALED COMBUSTION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2000	1886	189	-	-	160	180	5	-	-	8	-	15	120	1	60	X	-	FMS	2085	NOTE 2
B-2	CAMUS	AR-2000	GAS FIRED H.W. CONDENSING BOILER W/SEALED COMBUSTION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2000	1886	189	-	-	160	180	5	-	-	8	-	15	120	1	60	X	-	FMS	2085	NOTE 2
B-3	CAMUS	AR-2000	GAS FIRED H.W. CONDENSING BOILER W/SEALED COMBUSTION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2000	1886	189	-	-	160	180	5	-	-	8	-	15	120	1	60	X	-	FMS	2085	NOTE 2
RT-1	TRANE	HAEA0120C3	ROOF MOUNTED GAS FIRED / DX COOLING ROOFTOP UNIT (SZVAV)	4585	780	-	2	3.6	5	2034	4585	2	2.08	3	1800	131	122	79	62	53	52	95	MOD	300	240	56	105	MOD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	78	-	-	125	480	3	60	X	-	FMS	4300	NOTE 3
RT-2A	TRANE	HAEA0150C3	ROOF MOUNTED GAS FIRED / DX COOLING ROOFTOP UNIT (CAV)	4850	2670	485	1	4.9	7.5	2237	4850	1	1.3	2	1430	180	133	78	65	55	53	95	MOD	200	160	26	56	MOD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81	-	-	125	480	3	60	X	-	FMS	4840	NOTE 12
RT-2B	TRANE	HAEA0150C3	ROOF MOUNTED GAS FIRED / DX COOLING ROOFTOP UNIT (CAV)	4850	2670	485	1	4.9	7.5	2237	4850	1	1.3	2	1430	180	133	78	65	55	53	95	MOD	200	160	26	56	MOD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81	-	-	125	480	3	60	X	-	FMS	4840	NOTE 12
VUV-1	ENGINEERED AIR	RUV800	VERTICAL UNIT VENTILATOR - 4 PIPE HOT/CHILLED WATER	800	380	-	-	-	1/3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.9	20.5	6.0	80	67	56.3	55.1	44	54	5	-	-	45.9	4.6	40	93	160	140	5	-	-	-	2.6	-	277	1	60	X	-	FMS	535	NOTE 4
VUV-2	ENGINEERED AIR	RUV1200	VERTICAL UNIT VENTILATOR - 4 PIPE HOT/CHILLED WATER	1200	450	-	-	-	1/2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.2	31.1	9.0	80	67	56.0	55.3	44	54	5	-	-	64.6	6.6	40	90	160	140	5	-	-	-	4.1	-	277	1	60	X	-	FMS	590	NOTE 4
VUV-3	ENGINEERED AIR	RUV1400	VERTICAL UNIT VENTILATOR - 4 PIPE HOT/CHILLED WATER	1400	609	-	-	-	3/4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52.4	36.6	10.0	80	67	55.8	55.1	44	54	5	-	-	79.9	8.0	40	93	160	140	5	-	-	-	5.5	-	277	1	60	X	-	FMS	645	NOTE 4
VUV-4	ENGINEERED AIR	RUV1600	VERTICAL UNIT VENTILATOR - 4 PIPE HOT/CHILLED WATER	1600	410	-	-	-	3/4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62.9	43	12.0	80	67	55.1	54.4	44	54	5	-	-	107	11	40	95	160	140	5	-	-	-	5.5	-	277	1	60	X	-	FMS	700	NOTE 4
FC-1	TRANE	FCCB080	SUSPENDED COOLING/HEATING FAN COIL UNIT - 4 PIPE	785	140	-	0.3	0.210	0.22	1619	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.8	15.5	3.8	80	67	61.9	59.5	44	54	5	-	-	56.9	5.7	60	127	180	160	5	-	3.9	-	-	15	120	1	60	X	-	FMS	150	NOTE 11
FC-2	TRANE	FCCB120	SUSPENDED COOLING/HEATING FAN COIL UNIT - 4 PIPE	1230	100	-	0.3	0.2	0.2	1659	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.4	25	6.5	80	67	61.3	58.7	44	54	5	-	-	89.2	8.9	60	127	180	160	5	-	6.1	-	-	15	120	1	60	X	-	FMS	200	NOTE 11
CH-1	TRANE	FFBB010	HOT WATER WALL SURFACE MOUNTED CABINET HEATER	200	-	-	-	-	0.01	741	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.9	0.8	60	129	180	140	5	-	2.8	-	-	15	120	1	60	X	-	FMS	97	NOTE 5
CH-2	TRANE	FFCB030	HOT WATER CEILING RECESSED MOUNTED CABINET HEATER	300	-	-	-	-	0.06	1318	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.9	1	60	121	180	140	5	-	2.8	-	-	15	120	1	60	X	-	FMS	81	NOTE 6
CH-3	TRANE	FFHB040	HOT WATER SEMI-RECESSED WALL MOUNTED CABINET HEATER	400	-	-	-	-	0.06	1163	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.6	1.3	60	119	180	140	5	-	2.8	-	-	15	120	1	60	X	-	FMS	88	NOTE 6
CH-4	TRANE	FFHB080	HOT WATER SEMI-RECESSED WALL MOUNTED CABINET HEATER	800	-	-	-	-	0.13	1252	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	2.5	60	118	180	140	5	-	2.9	-	-	15	120	1	60	X	-	FMS	139	NOTE 6
CH-5	TRANE	FFHB040	HOT WATER RECESSED WALL MOUNTED CABINET HEATER	400	-	-	-	-	0.06	1163	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.6	1.3	60	119	180	140	5	-	2.8	-	-	15	120	1	60	X	-	FMS	88	NOTE 6
CH-6	TRANE	FFHB080	HOT WATER RECESSED WALL MOUNTED CABINET HEATER	800	-	-	-	-	0.13	1252	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	2.5	60	118	180	140	5	-	2.9	-	-	15	120	1	60	X	-	FMS	139	NOTE 6
TEF-1	TWIN CITY	DCRD-095	ROOF MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	-	240	0.5	0.024	1/8	1139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/8	-	-	-	120	1	60	X	-	FMS	60	NOTE 7
TEF-2	TWIN CITY	DCRD-095	ROOF MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	-	240	0.5	0.024	1/8	1139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/8	-	-	-	120	1	60	X	-	FMS	60	NOTE 7
TEF-3	TWIN CITY	DCRD-060	ROOF MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	-	140	0.4	0.021	1/6	1661	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/6	-	-	-	120	1	60	X	-	FMS	40	NOTE 7
TEF-4	TWIN CITY	DCRD-095	ROOF MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	-	240	0.5	0.024	1/8	1139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/8	-	-	-	120	1	60	X	-	FMS	60	NOTE 7
TEF-5	TWIN CITY	DCRD-095	ROOF MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	-	240	0.5	0.024	1/8	1139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/8	-	-	-	120	1	60	X	-	FMS	60	NOTE 7
TEF-6	TWIN CITY	DCRD-180	ROOF MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	-	2400	0.8	0.73	1	1050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	120	1	60	X	-	FMS	150	NOTE 7
TEF-7	TWIN CITY	DCRD-120	ROOF MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	-	930	0.6	0.19	1/3	1445	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/3	-	-	-	120	1	60	X	-	FMS	70	NOTE 7
TEF-8	TWIN CITY	DCRD-085	ROOF MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	-	190	0.4	0.023	1/8	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/8	-	-	-	120	1	60	X	-	FMS	60	NOTE 7
TEF-9	TWIN CITY	DCRD-095	ROOF MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	-	490	0.4	0.1	1/8	1502	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/8	-	-	-	120	1	60	X	-	FMS	60	NOTE 7
TEF-10	TWIN CITY	DCRD-085	ROOF MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	-	160	0.4	0.021	1/8	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/8	-	-	-	120	1	60	X	-	FMS	60	NOTE 7
TEF-11	TWIN CITY	DCRD-095	ROOF MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	-	430	0.6	0.09	1/8	1467	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/8	-	-	-	120	1	60	X	-	FMS	60	NOTE 7
TEF-12	TWIN CITY	DSI-164	SQUARE INLINE TOLIET EXHAUST FAN	-	-	-	-	-	-	-	4030	1	1.61	2	1463	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	208	1	60	X	-	FMS	160	NOTE 8
GEF-1	TWIN CITY	T-500	CEILING MOUNTED GENERAL EXHAUST FAN W/ INTEGRAL GRILLE	-	-	-	-	-	-	-	225	0.3	0.09	1/4	564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/4	-	-	-	120	1	60	X	-	FMS	50	NOTE 13
GEF-2	TWIN CITY	DCRD-095	ROOF MOUNTED GENERAL EXHAUST FAN	-	-	-	-	-	-	-	400	0.6	0.09	1/8	1449	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/8	-	-	-	120	1	60	X	-	FMS	60	NOTE 7
AC-1/CU-1	MITSUBISHI	TPKA-A12/TRUY-012	WALL MOUNTED AC UNIT / ROOF MOUNTED CONDENSING UNIT	320	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	95	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	28	208	1	60	X	-	FMS	29/92	NOTE 9
AC-2/CU-2	MITSUBISHI	TPKA-A36/TRUY-036	WALL MOUNTED AC UNIT / ROOF MOUNTED CONDENSING UNIT	705	-	-	-	-	-	-	-	-	-	-	-	36	-	-	-	-	95	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-	30	208	1	60	X	-	FMS	46/215	NOTE 9
UH-1	VULCAN	HV-18	SUSPENDED HOT WATER UNIT HEATER	350	-	-	-	-	0.01	1350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.7	1.3	60	100	180	160	5	0.01	-	-	-	-	120	1	60	X	-	FMS	25	NOTE 10
UH-2	VULCAN	HV-36	SUSPENDED HOT WATER UNIT HEATER	480	-	-	-	-	0.02	1350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.5	2.7	60	100	180	160	5	0.02	-	-	-	-	120	1	60	X	-	FMS	30	NOTE 10

NOTE 1:
SEE PLANS AND SECTIONS FOR LAYOUT OF AIR HANDLING UNIT.
PREHEATING COIL DATA IS BASED ON MINIMUM OUTSIDE AIR CFM (MAXIMUM VALUE)
SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

NOTE 2:
PROVIDE WITH:
- COMBUSTION AIR INTAKE DAMPER
- NEUTRALIZATION BASIN

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NOTE 3:
PROVIDE WITH:
- INTEGRATED ECONOMIZER WITH DIFFERENTIAL ENTHALPY SENSORS
- DISCONNECT SWITCH
- HINGED ACCESS PANELS
- VIBRATION ISOLATION ROOF CURB W/ HUSHCORE DECK DS-52 ACOUSTICAL TREATMENT
- LOW LEAK ECONOMIZER DAMPERS
- POWERED EXHAUST FAN
- ENERGY RECOVERY
- DOUBLE WALL CONSTRUCTION
- VARIABLE SPEED COMPRESSOR

AD-2

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NOTE 4:
PROVIDE WITH:
- INTEGRATED ENTHALPY ECONOMIZER
- DISCONNECT SWITCH
- FACE/BYPASS DAMPER
- FILTERS
- CONDENSATE PIPE (WHERE INDICATED ON PLANS)
- 10" WIDE SIDE MOUNTED PIPE CHASE W/ ACCESS DOOR
- 10" DEEP FASLEBACK FOR UNITS W/ DUCTED OUTSIDE AIR CONNECTIONS (WHERE INDICATED ON PLANS)

AD-2

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

NOTE 5:
PROVIDE WITH:
- INTEGRAL THERMOSTAT
- DISCONNECT SWITCH
- VIBRATION ISOLATION HANGERS

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NOTE 6:
PROVIDE WITH:
- INTEGRAL THERMOSTAT
- DISCONNECT SWITCH

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NOTE 7:
PROVIDE WITH:
- ECM MOTOR WITH POTENTIOMETER SPEED CONTROLLER
- MOTORIZED DAMPER
- BIRD SCREEN
- ROOF CURB

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

NOTE 8:
PROVIDE WITH:
- DISCONNECT SWITCH
- ECM MOTOR WITH POTENTIOMETER SPEED CONTROLLER
- MOTORIZED DAMPER
- VIBRATION ISOLATION HANGERS

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NOTE 9:
PROVIDE CONDENSING UNIT WITH:
- LOW AMBIENT CONTROLS FOR 100% COOLING DOWN TO -10°F.
- EQUIPMENT SUPPORT RAILS

PROVIDE AC INDOOR UNIT WITH:
- WALL MOUNTED WIRED THERMOSTAT
- CONDENSATE PUMP
- WALL MOUNTING HARDWARE

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

NOTE 10:
PROVIDE WITH:
- WALL MOUNTED THERMOSTAT
- DISCONNECT
- VIBRATION ISOLATION HANGERS

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

NOTE 11:
PROVIDE WITH:
- DISCONNECT SWITCH
- VIBRATION ISOLATION HANGERS
- TERMINAL STRIPS FOR DDC READY

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

NOTE 12:
PROVIDE WITH:
- INTEGRATED ECONOMIZER WITH DIFFERENTIAL ENTHALPY SENSORS
- DISCONNECT SWITCH
- HINGED ACCESS PANELS
- VIBRATION ISOLATION ROOF CURB W/ HUSHCORE DECK DS-52 ACOUSTICAL TREATMENT
- LOW LEAK ECONOMIZER DAMPERS
- POWERED EXHAUST FAN
- HUMIDISTAT
- HOT GAS REHEAT
- ENERGY RECOVERY
- DOUBLE WALL CONSTRUCTION
- VARIABLE SPEED COMPRESSOR

AD-2

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NOTE 13:
PROVIDE WITH:
- DISCONNECT SWITCH
- ECM MOTOR WITH POTENTIOMETER SPEED CONTROLLER
- MOTORIZED DAMPER
- VIBRATION ISOLATION HANGERS
- INTEGRAL METAL GRILLE

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

HEAT RECOVERY SCHEDULE

AD-2

UNIT TAG	MIXED SUPPLY AIR CFM	SUMMER DB	SUMMER WB		WINTER DB	WINTER WB		RETURN AIR CFM	SUMMER DB	SUMMER WB		WINTER DB	WINTER WB		EXHAUST AIR CFM	SUMMER DB	SUMMER WB		WINTER DB	WINTER WB		OUTSIDE AIR CFM	SUMMER DB	SUMMER WB		WINTER DB	WINTER WB		HEAT WHEEL DISCHARGE CFM	SUMMER DB	SUMMER WB		WINTER DB	WINTER WB		REMARKS
RT-2A	4,850	77.6	65.0	F	53.2	52.7	F	2,670	75	63	F	72	53	F	2,818	86.4	70.5	F	16.1	15.9	F	2,818	92	74	F	-10	-11	F	2,670	79.7	66.5	F	47.2	38.2	F	-
RT-2B	4,850	77.6	65.0	F	53.2	52.7	F	2,670	75	63	F	72	53	F	2,818	86.4	70.5	F	16.1	15.9	F	2,818	92	74	F	-10	-11	F	2,670	79.7	66.5	F	47.2	38.2	F	-

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PROJECT
TIMOTHY BALL ES ADDITION AND RENOVATIONS

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PROJECT 21-112
DATE 02/07/21
COORDINATED BY SM
DRAWN BY KS
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
MECHANICAL SCHEDULES

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET
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NATURAL GAS CONNECTION SCHEDULE

TAG	DESCRIPTION	LOCATION	CAPACITY CFH	REMARKS
RT-1	ROOF MOUNTED GAS FIRED / DX COOLING PACKAGED UNIT - VAV	ROOF	300	-
RT-2A	ROOF MOUNTED GAS FIRED / DX COOLING PACKAGED UNIT - VAV	ROOF	200	-
RT-2B	ROOF MOUNTED GAS FIRED / DX COOLING PACKAGED UNIT - VAV	ROOF	200	-
B-1	GAS FIRED H/W CONDENSING BOILER w/SEALED COMBUSTION	B-220 - MECHANICAL	2000	-
B-2	GAS FIRED H/W CONDENSING BOILER w/SEALED COMBUSTION	B-220 - MECHANICAL	2000	-
B-3	GAS FIRED H/W CONDENSING BOILER w/SEALED COMBUSTION	B-220 - MECHANICAL	2000	-
-	40 GALLON TILT SKILLET	B-206 KITCHEN/SERVING	200	PROVIDED BY OTHER
-	COMBI OVEN/STEAMER DOUBLE STACK	B-206 KITCHEN/SERVING	107	PROVIDED BY OTHER
-	COMBI OVEN/STEAMER DOUBLE STACK	B-206 KITCHEN/SERVING	107	PROVIDED BY OTHER
-	DOUBLE STACKED CONVECTION OVEN	B-206 KITCHEN/SERVING	144	PROVIDED BY OTHER
-	FOUR BURNER RANGE WITH OVEN BASE	B-206 KITCHEN/SERVING	140	PROVIDED BY OTHER
-	ROOF MOUNTED KITCHEN MAKE-UP AIR HVAC UNIT	ROOF	272	PROVIDED BY OTHER
TWH-1	TANKLESS WATER HEATER	B-220 - MECHANICAL	199	-
TWH-2	TANKLESS WATER HEATER	B-220 - MECHANICAL	199	-
TWH-3	TANKLESS WATER HEATER	B-220 - MECHANICAL	199	-
		TOTAL	8267	CFH @ 2lbs

AD-2

AD-2

PUMP SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	DESCRIPTION	GPM	HEAD (FT.)	PUMP MOTOR DATA HP	RPM	VOLT	PHASE	HZ.	SUCTION/ DISCHARGE SIZE	REMARKS
BP-1	BELL & GOSSETT	SERIES 80;	INLINE BOILER RECIRCULATION PUMP (B-1)	189	20	3.0	1750	480	3	60	4"/4"	-
BP-2	BELL & GOSSETT	SERIES 80;	INLINE BOILER RECIRCULATION PUMP (B-2)	189	20	3.0	1750	480	3	60	4"/4"	-
BP-3	BELL & GOSSETT	SERIES 80;	INLINE BOILER RECIRCULATION PUMP (B-3)	189	20	3.0	1750	480	3	60	4"/4"	-
CP-1	BELL & GOSSETT	SERIES 80;	INLINE CHILLER RECIRCULATION PUMP (C-1)	580	35	7.5	1750	480	3	60	6"/6"	-
HWP-1	BELL & GOSSETT	SERIES 1510	BASE MOUNTED HOT WATER DISTRIBUTION PUMP	284	100	15.0	1750	480	3	60	3"/2"	HOT WATER PRIMARY PUMPS W/VFD OPERATING IN PARALLEL. 284 GPM AT 100 FT. HD. WITH DUAL POWER FEEDERS
HWP-2	BELL & GOSSETT	SERIES 1510	BASE MOUNTED HOT WATER DISTRIBUTION PUMP	284	100	15.0	1750	480	3	60	3"/2"	
CWP-1	BELL & GOSSETT	SERIES 1510	BASE MOUNTED CHILLED WATER DISTRIBUTION PUMP	290	115	20.0	1750	480	3	60	4"/3"	CHILLED WATER PRIMARY PUMPS W/VFD OPERATING IN PARALLEL. 290 GPM AT 115 FT. HD. WITH DUAL POWER FEEDERS
CWP-2	BELL & GOSSETT	SERIES 1510	BASE MOUNTED CHILLED WATER DISTRIBUTION PUMP	290	115	20.0	1750	480	3	60	4"/3"	

GRILLE, REGISTER & DIFFUSER SCHEDULE

TAG	MANUFACTURER	MODEL NO.	DESCRIPTION	AIR PATTERN	MOUNTING	SIZE	TYPE OF CONTROL	REMARKS
A2	NAILOR	6500-0	SUPPLY CEILING DIFFUSER	2-WAY	2' X 2' LAY-IN PANEL	SEE PLANS	O.B.D.	-
A3	NAILOR	6500-0	SUPPLY CEILING DIFFUSER	3-WAY	2' X 2' LAY-IN PANEL	SEE PLANS	O.B.D.	-
A4	NAILOR	6500-0	SUPPLY CEILING DIFFUSER	4-WAY	2' X 2' LAY-IN PANEL	SEE PLANS	O.B.D.	-
A5	NAILOR	6500-0	SUPPLY CEILING DIFFUSER	2-WAY CORNER	2' X 2' LAY-IN PANEL	SEE PLANS	O.B.D.	-
A8	NAILOR	6500-0	SUPPLY CEILING DIFFUSER	3-WAY	2' X 1' LAY-IN PANEL	SEE PLANS	O.B.D.	-
A9	NAILOR	6500-0	SUPPLY CEILING DIFFUSER	4-WAY	2' X 1' LAY-IN PANEL	SEE PLANS	O.B.D.	-
A10	NAILOR	6500-0	SUPPLY CEILING DIFFUSER	2-WAY CORNER	2' X 1' LAY-IN PANEL	SEE PLANS	O.B.D.	-
C4	NAILOR	6200-OA	SUPPLY CEILING DIFFUSER	4-WAY	2' X 2' LAY-IN PANEL	SEE PLANS	O.B.D.	ALUMINUM CONSTRUCTION
E2	NAILOR	61DH-0	SUPPLY CEILING REGISTER	DOUBLE DEFLECTION	SURFACE MOUNTED	SEE PLANS	O.B.D.	HORIZONTAL FRONT BARS, VERTICAL BACK BARS
J4	NAILOR	6550-0	SUPPLY CEILING DIFFUSER	4-WAY	2' X 2' LAY-IN PANEL	SEE PLANS	O.B.D.	-
K1	NAILOR	61DHC	SUPPLY REGISTER	DOUBLE DEFLECTION	DUCT MOUNTED	SEE PLANS	VOLUME DAMPER	MILL FINISH
L4	NAILOR	5015	CONTINUOUS 1½" SLOT LINEAR SA DIFFUSER	ADJ. PATTERN CONTROLLER	SURFACE MOUNT W/ GYP.BD MTG. FRAME	SEE PLAN FOR #SLOTS/LGTH	NONE	NARROW FLANGE, END CAPS. WHITE FRAME AND WHITE INTERIOR FINISH.
L9	NAILOR	5015R	CONTINUOUS 1½" SLOT LINEAR RA DIFFUSER	NO PATTERN CONTROLLER	SURFACE MOUNT W/ GYP.BD MTG. FRAME	SEE PLAN FOR #SLOTS/LGTH	NONE	NARROW FLANGE, END CAPS. WHITE FRAME AND WHITE INTERIOR FINISH.
R1	NAILOR	6145H-0	RETURN/EXHAUST REGISTER	LOUVERED GRILLE	LAY-IN PANEL	SEE PLANS	O.B.D.	-
R2	NAILOR	6145H-0	RETURN/EXHAUST REGISTER	LOUVERED GRILLE	SURFACE MOUNTED	SEE PLANS	O.B.D.	-
R3	NAILOR	5145H-0	RETURN/EXHAUST REGISTER	LOUVERED GRILLE	LAY-IN PANEL	SEE PLANS	O.B.D.	ALUMINUM CONSTRUCTION
T1	NAILOR	6145H	RETURN/EXHAUST/T.A. GRILLE	LOUVERED GRILLE	LAY-IN PANEL	SEE PLANS	-	-
T2	NAILOR	6145H	RETURN/EXHAUST/T.A. GRILLE	LOUVERED GRILLE	SURFACE MOUNTED	SEE PLANS	-	-
T3	NAILOR	5145H	RETURN/EXHAUST/T.A. GRILLE	LOUVERED GRILLE	LAY-IN PANEL	SEE PLANS	-	ALUMINUM CONSTRUCTION
T8	NAILOR	6145H-HD	RETURN/EXHAUST/T.A. GRILLE	LOUVERED GRILLE	SURFACE MOUNTED	SEE PLANS	-	HEAVY DUTY GRILLE

* ALL DIFFUSERS AND REGISTERS SHALL HAVE A WHITE FINISH UNLESS OTHERWISE NOTED

LOUVER SCHEDULE

TAG	MANUFACTURER	MODEL NO.	DESCRIPTION	SIZE	REMARKS
LV-1	NAILOR	1604JD	OUTSIDE AIR INTAKE LOUVER	SEE DRAWINGS	ALUMINUM KYNAR 500 CUSTOM FINISH SUBMIT COLOR CHARTS FOR APPROVAL
LV-2	NAILOR	1605WD	OUTSIDE AIR INTAKE LOUVER	SEE DRAWINGS	ALUMINUM KYNAR 500 CUSTOM FINISH SUBMIT COLOR CHARTS FOR APPROVAL

RT-1 VAV TERMINAL SCHEDULE

TAG	MANUFACTURER	MODEL	INLET DIA.	CFM SETTING MAX CFM	MIN CFM	HW REHEAT COIL DATA MBH	GPM	WPD	EWT	CONTROL SEQUENCE OPEN/ CLOSED	OPEN/CLOSED/ OPEN	REMARKS
1A	NAILOR	D30RW-08	8"	570	95	18.6	1.9	5'	160	-	X	-
1B	NAILOR	D30RW-06	6"	325	55	10.6	1.1	5'	160	-	X	-
1C	NAILOR	D30RW-07	7"	550	90	14.9	1.5	5'	160	X	-	-
1D	NAILOR	D30RW-12	12"	1,360	225	44.3	4.4	5'	160	-	X	-
1E	NAILOR	D30RW-05	5"	190	30	5.2	0.5	5'	160	X	-	-
1F	NAILOR	D30RW-05	5"	205	35	6.1	0.7	5'	160	-	X	-
1G	NAILOR	D30RW-05	5"	205	35	6.1	0.7	5'	160	-	X	-
1H	NAILOR	D30RW-05	5"	155	25	5.0	0.5	5'	160	-	X	-
1I	NAILOR	D30RW-06	6"	370	60	10.0	1.0	5'	160	X	-	-
1J	NAILOR	D30RW-07	7"	550	90	11.9	1.8	5'	160	-	X	-
1K	NAILOR	D30RW-05	5"	225	35	6.1	0.6	5'	160	X	-	-

AH-3 VAV TERMINAL SCHEDULE

TAG	MANUFACTURER	MODEL	INLET DIA.	CFM SETTING MAX. CFM	MIN. CFM	HW REHEAT COIL DATA MBH	GPM	WPD	EWT	CONTROL SEQUENCE OPEN/ CLOSED	OPEN/CLOSED/ OPEN	REMARKS
3A	NAILOR	D30RW-10	10"	815	125	22.1	2.2	5'	160	X	-	-
3B	NAILOR	D30RW-06	6"	400	60	10.9	1.1	5'	160	X	-	-
3C	NAILOR	D30RW-05	5"	275	40	7.5	0.7	5'	160	X	-	-
3D	NAILOR	D30RW-10	10"	870	130	28.3	2.8	5'	160	-	X	-
3E	NAILOR	D30RW-06	6"	350	55	11.4	1.1	5'	160	-	X	-
3F	NAILOR	D30RW-06	6"	370	55	12.0	1.2	5'	160	-	X	-
3G	NAILOR	D30RW-07	7"	465	70	15.1	1.5	5'	160	-	X	-
3H	NAILOR	D30RW-05	5"	250	40	8.1	0.8	5'	160	-	X	-
3I	NAILOR	D30RW-06	6"	335	50	10.9	1.1	5'	160	-	X	-
3J	NAILOR	D30RW-05	5"	260	40	7.1	0.7	5'	160	X	-	-

AH-4 VAV TERMINAL SCHEDULE

TAG	MANUFACTURER	MODEL	INLET DIA.	CFM SETTING MAX CFM	MIN CFM	HW REHEAT COIL DATA MBH	GPM	WPD	EWT	CONTROL SEQUENCE OPEN/ CLOSED	OPEN/CLOSED/ OPEN	REMARKS
4A	NAILOR	D30RW-16	16"	2,540	1245	68.9	6.9	5'	160	X	-	-
4B	NAILOR	D30RW-10	10"	865	425	23.5	2.3	5'	160	X	-	-
4C	NAILOR	D30RW-12	12"	1,410	690	38.2	3.8	5'	160	X	-	-
4D	NAILOR	D30RW-12	12"	1,360	665	36.9	3.7	5'	160	X	-	-
4E	NAILOR	D30RW-12	12"	1,410	690	38.2	3.8	5'	160	X	-	-

AH-5 VAV TERMINAL SCHEDULE

TAG	MANUFACTURER	MODEL	INLET DIA.	CFM SETTING MAX CFM	MIN CFM	HW REHEAT COIL DATA MBH	GPM	WPD	EWT	CONTROL SEQUENCE OPEN/ CLOSED	OPEN/CLOSED/ OPEN	REMARKS
5A	NAILOR	D30RW-08	8"	570	280	15.5	1.5	5'	160	X	-	-
5B	NAILOR	D30RW-14	14"	2,075	1015	56.3	5.6	5'	160	X	-	-
5C	NAILOR	D30RW-05	5"	230	115	6.2	0.6	5'	160	X	-	-
5D	NAILOR	D30RW-05	5"	190	95	5.2	0.5	5'	160	X	-	-

INTAKE/RELIEF HOOD SCHEDULE

TAG	MANUFACTURER	MODEL *	THROAT SIZE	DESCRIPTION	HOOD LOCATION	REMARKS
RH-1	ACME	#TIV	36x36	RELIEF AIR HOOD FOR UV-1	ROOF	PROVIDE W/ BIRDSCREEN, BAROMETRIC RELIEF DAMPER, AND 18" HIGH ROOF CURB.
RH-2	ACME	#TIV	54x42	RELIEF AIR HOOD FOR UV-1	ROOF	PROVIDE W/ BIRDSCREEN, BAROMETRIC RELIEF DAMPER, AND 18" HIGH ROOF CURB.

DUCTWORK INSULATION/LINING SCHEDULE

REFER TO SPECIFICATIONS FOR ADDITIONAL INSULATION REQUIREMENTS

DUCTWORK TYPE	INSULATION TYPE: CONCEALED	EXPOSED
SUPPLY AIR DUCTWORK		
RECTANGULAR	1½" LINER	1½" LINER
ROUND	1½" WRAP, NOTE 1.	PERFORATED DOUBLE WALL
RETURN AIR DUCTWORK		
RECTANGULAR	1½" LINER	1½" LINER
ROUND	PERFORATED DOUBLE WALL	PERFORATED DOUBLE WALL
TRANSFER AIR DUCTWORK	½" LINER	½" LINER
VAV & FAN-POWERED BOXES		
INLET COLLAR	1½" WRAP	1½" WRAP
HOT WATER REHEAT COIL	1½" WRAP	1½" WRAP
EXHAUST DUCTWORK		
WITHIN 10'-0" OF EXHAUST FAN	½" LINER	½" LINER

NOTE 1: ROUND DUCT SUPPLYING ONE DIFFUSER AND MORE THAN 30'-0" FROM UNIT

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TIMOTHY BALL ES ADDITION AND RENOVATIONS

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PROJECT 21-112
DATE 02/07/21
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DRAWN BY KS
CHECKED BY DJ

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AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
MECHANICAL SCHEDULES

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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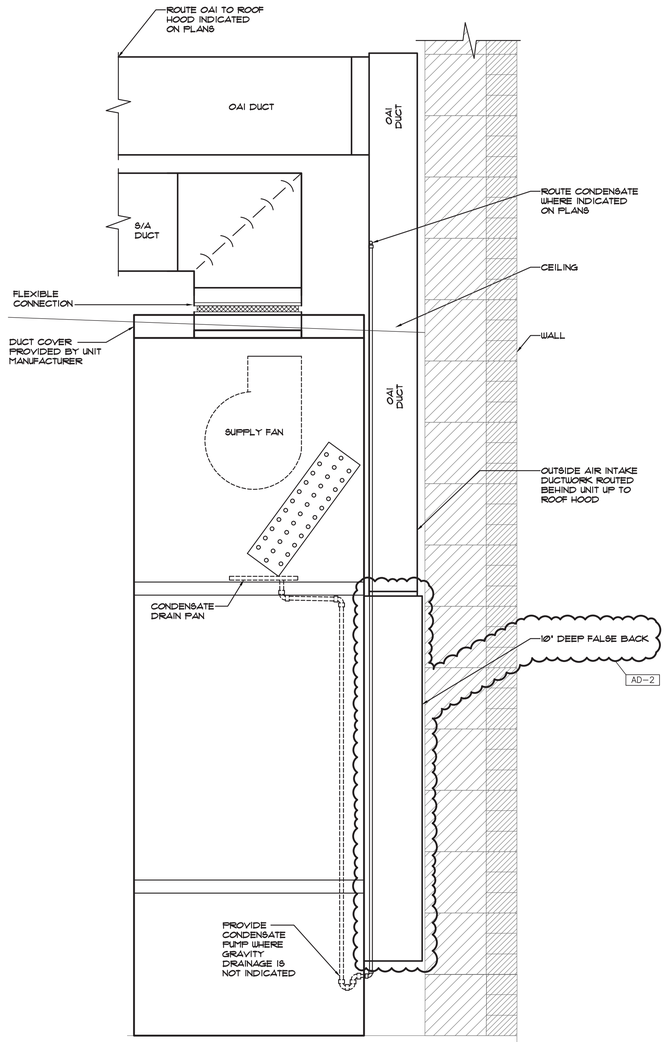
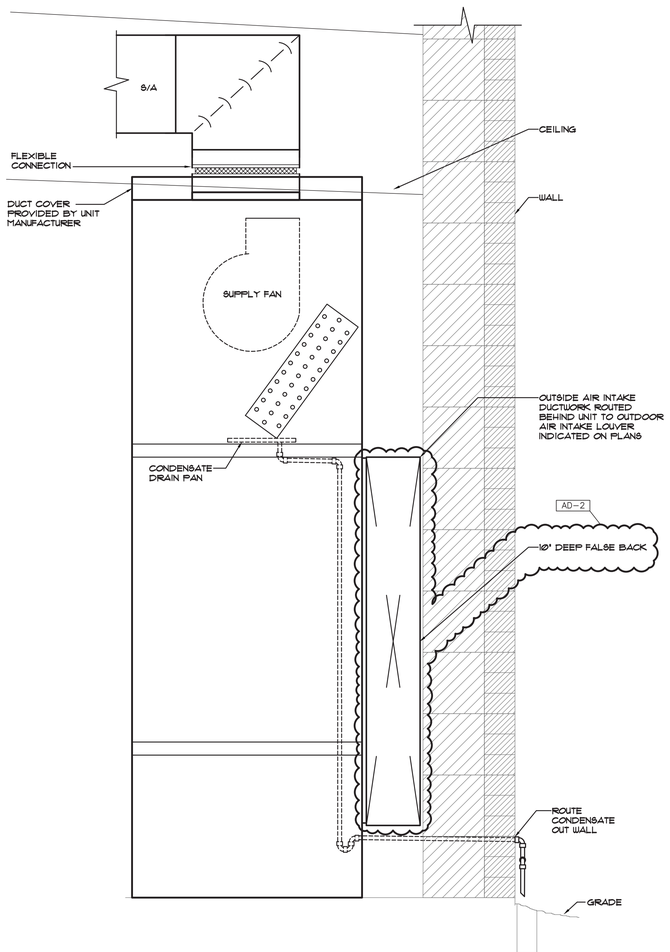
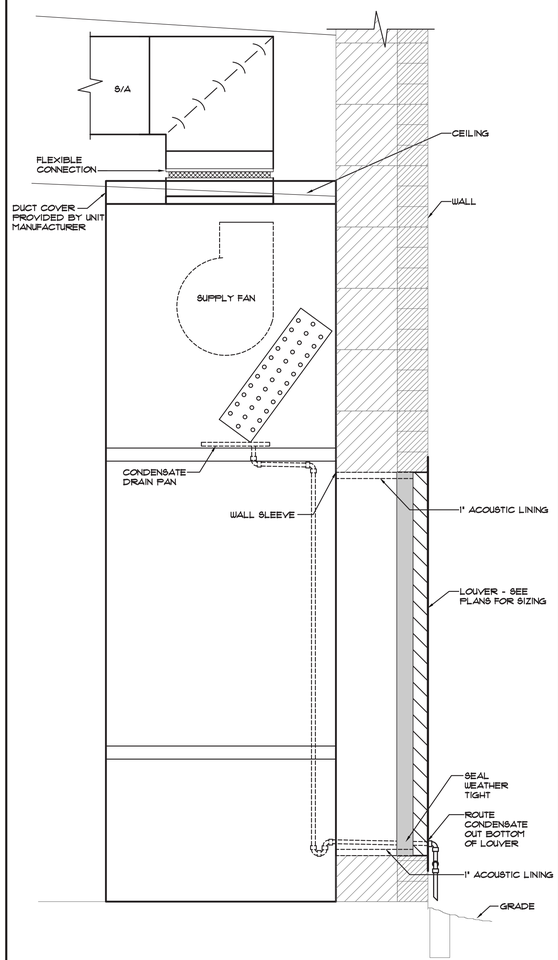
TYPICAL UNIT VENTILATOR TO ROOF HOOD DETAIL N.T.S.



TYPICAL UNIT VENTILATOR OFFSET LOUVER DETAIL N.T.S.

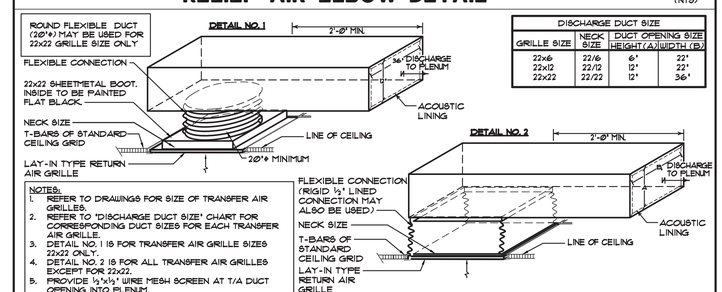


TYPICAL UNIT VENTILATOR DETAIL N.T.S.



RELIEF AIR ELBOW DETAIL (NTS)

ROUND FLEXIBLE DUCT (20"ø) MAY BE USED FOR 22x22 GRILLE SIZE ONLY



DISCHARGE DUCT SIZE			
GRILLE SIZE	NECK SIZE	DUCT OPENING SIZE HEIGHT (A)	DUCT OPENING SIZE WIDTH (B)
22x6	22/6	6"	22"
22x12	22/12	12"	22"
22x22	22/22	12"	36"

NOTES:
1. REFER TO DRAWINGS FOR SIZE OF TRANSFER AIR GRILLES.
2. REFER TO "DISCHARGE DUCT SIZE" CHART FOR CORRESPONDING DUCT SIZES FOR EACH TRANSFER AIR GRILLE.
3. DETAIL NO. 1 IS FOR TRANSFER AIR GRILLE SIZES 22x22 ONLY.
4. DETAIL NO. 2 IS FOR ALL TRANSFER AIR GRILLES EXCEPT FOR 22x22.
5. PROVIDE ½"x½" WIRE MESH SCREEN AT T/A DUCT OPENING INTO PLENUM.

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AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
MECHANICAL DETAILS & DIAGRAMS

PROJECT
DOUGLAS MACARTHUR ES ADDITIONS AND RENOVATIONS

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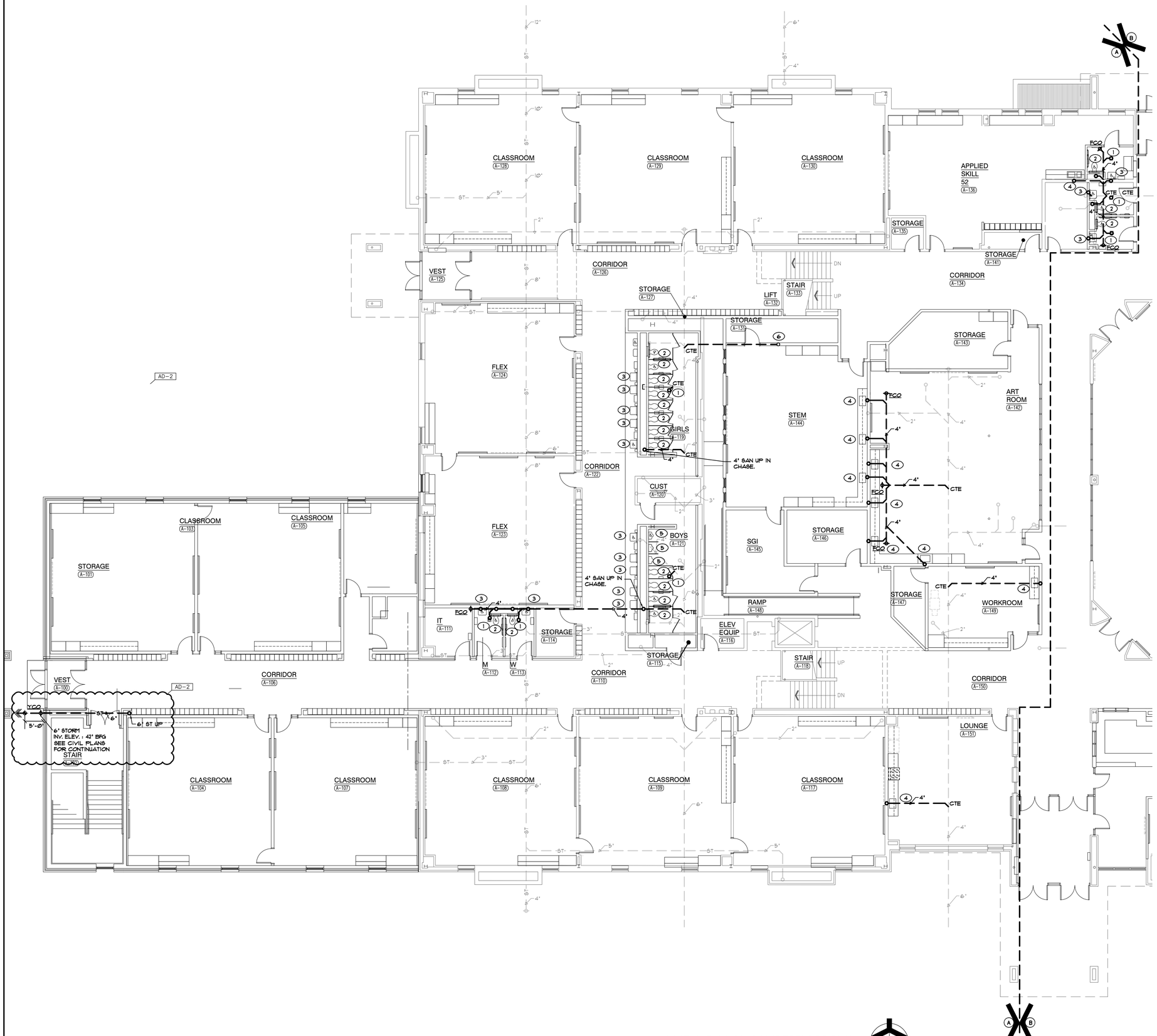
SHEET NOTES

1. 4" SANITARY UP TO FLOOR DRAIN.
2. 4" SANITARY UP TO WATER CLOSET.
3. 1½" SANITARY UP TO LAVATORY.
4. 2" SANITARY UP TO SINK.
5. 1½" SANITARY UP TO URINAL.
6. 2" SANITARY UP TO PLUMBER'S BOX



UNIT "A" PLUMBING UNDERFLOOR PLAN
SCALE: 1/8" = 1'-0"

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PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

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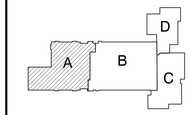

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DRAWING
UNIT "A" PLUMBING UNDERFLOOR PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET A

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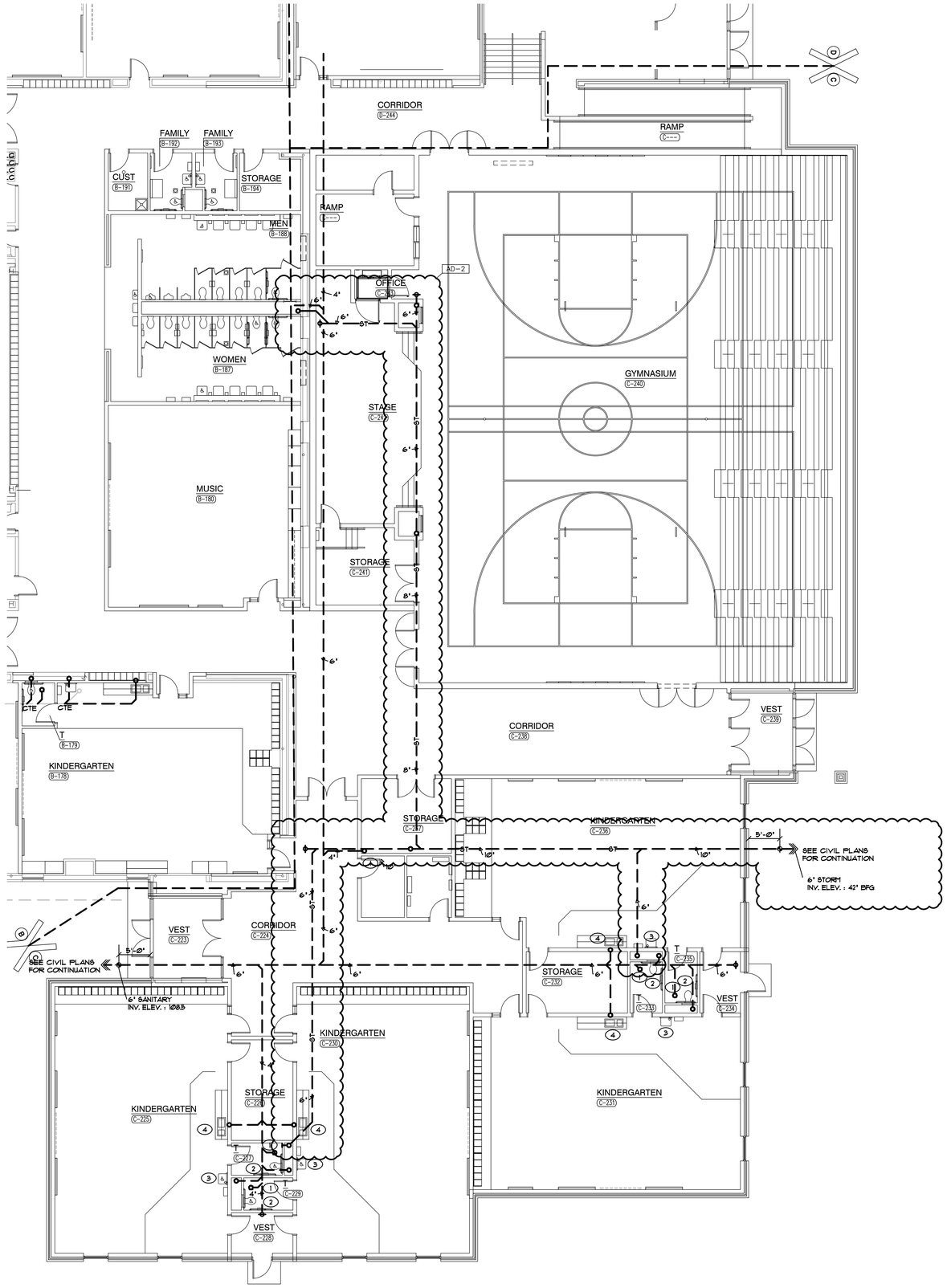
SHEET NOTES

1. 4" SANITARY UP TO FLOOR DRAIN.
2. 4" SANITARY UP TO WATER CLOSET.
3. 1½" SANITARY UP TO LAVATORY.
4. 2" SANITARY UP TO SINK.
5. 1½" SANITARY UP TO URINAL.
6. 4" SANITARY UP TO MOP BASIN.



UNIT "C" PLUMBING UNDERFLOOR PLAN

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

NORTH

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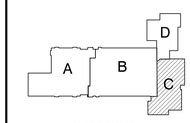

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DRAWING
UNIT "C" PLUMBING UNDERFLOOR PLAN

PROJECT
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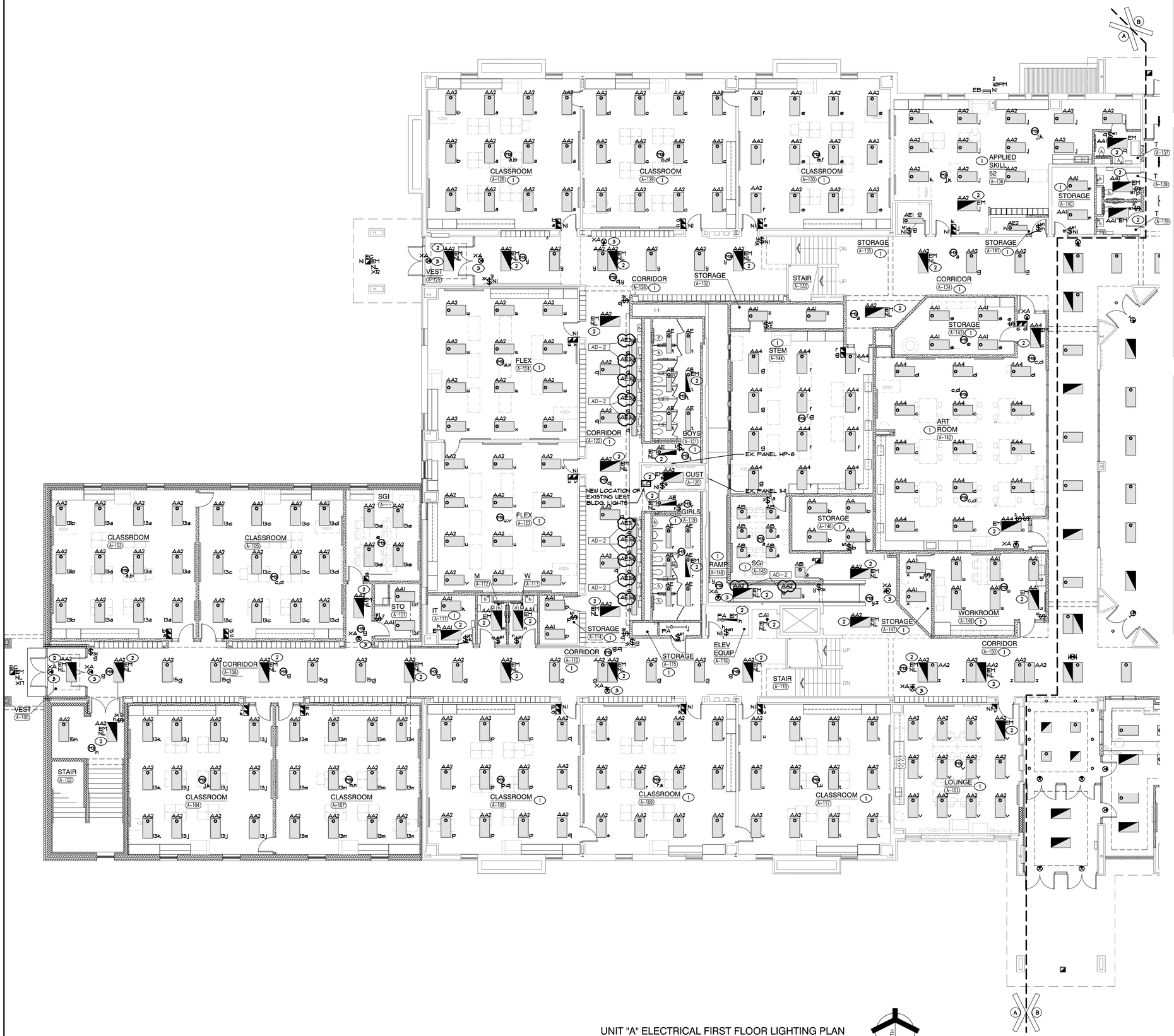

UNIT "A" ELECTRICAL FIRST FLOOR LIGHTING PLAN

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

GENERAL NOTES

1. CIRCUIT ALL NORMAL LIGHTING FIXTURES TO PANEL HP-8 UNLESS OTHERWISE NOTED.
2. EMERGENCY SENSING LEADS SHALL BE CONNECTED TO CONSTANT HOT FEEDS FROM NORMAL LIGHTING IN ROOM. THIS FEED SHALL BE TAKEN AHEAD OF ANY EMERGENCY SHUTDOWNS, RELAYS, CONTACTORS OR SWITCHES.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES.
4. ROUTE CONDUIT AS TIGHT TO THE EXPOSED CEILINGS AND STRUCTURE AS POSSIBLE TO MAXIMIZE CEILING SPACE.
5. VERIFY TEACHING SURFACE WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION AND ADJUST SWITCHING TO PROPERLY ILLUMINATE TEACHING SURFACE. CAREFULLY COORDINATE FINAL SWITCHING WITH FINAL FURNITURE PLANS AND TEACHING WALL LOCATIONS.

SHEET NOTES

1. RECONNECT NEW LIGHTING FIXTURES IN THIS SPACE TO EXISTING LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED, MAXIMUM 4400W PER 277 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #2 AND 1 #2 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
2. RECONNECT NEW EMERGENCY LIGHTING FIXTURES TO EXISTING EMERGENCY LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED, MAXIMUM 4400W PER 277 VOLT CIRCUIT. PROVIDE UL924 RELAY DEVICE AS REQUIRED TO ACCOMPLISH REQUIRED EMERGENCY SWITCHING. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING EMERGENCY PANEL, AND EXTEND 2 #2 AND 1 #2 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
3. RECONNECT NEW EXIT SIGN LIGHTING FIXTURES TO EXISTING EXIT SIGN EMERGENCY LIGHTING CIRCUITRY COMPLETE AS REQUIRED, MAXIMUM 4400W PER 277 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #2 AND 1 #2 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.

EXTERIOR LIGHTING NOTES

1. NEW EXTERIOR LIGHTING SHALL BE CONNECTED TO EXISTING EXTERIOR LIGHTING 277V, 20A CIRCUITS (FROM EXISTING PANEL 1HB) VIA NEW TIME CLOCK CONTROL SYSTEM AND INVERTERS AS SPECIFIED.
2. CIRCUIT NUMBERS SHOWN ARE NOT ACTUAL, BUT ARE SHOWN TO INDICATE CIRCUITING REQUIREMENTS. VERIFY ACTUAL CIRCUIT ASSIGNMENTS IN FIELD.
3. IF EXISTING EXTERIOR LIGHTING CIRCUITRY DOES NOT HAVE SUFFICIENT CAPACITY FOR NEW LIGHTING FIXTURES, NEW 277V, 20A CIRCUITS (FROM EXISTING PANEL 1HB) SHALL BE PROVIDED WITH NEW CIRCUITRY FROM EXISTING PANEL HP-8, COMPLETE AS REQUIRED.
4. EXTERIOR LIGHTING CIRCUITS #2 AND #3 SHALL BE CONNECTED TO EXISTING CIRCUITRY (FROM EXISTING PANEL 1HB) VIA NEW TIME CLOCK, PHOTOCELL AND CONTACTORS.
5. EXTERIOR LIGHTING CIRCUIT X12 AND X17 SHALL BE CONNECTED TO NEW 20A/1P CIRCUITRY FROM EXISTING EMERGENCY PANEL 1KH1 VIA NEW TIME CLOCK, PHOTOCELL, CONTACTORS AND EXTERIOR LIGHTING INVERTER #1.
6. CONTRACTOR SHALL MODIFY AND REVISE EXISTING EXTERIOR LIGHTING CIRCUITRY (FROM EXISTING PANEL 1HB) AS REQUIRED TO ACCOMPLISH NEW SWITCHING AND EMERGENCY CONTROL AS SPECIFIED. INVERTER CIRCUITS SHALL BE PROVIDED WITH INDEPENDENT RACEWAYS AND SHALL NOT SHARE RACEWAYS AND BOXES WITH NORMAL CIRCUITRY. PROVIDE NEW 20A/1P CIRCUITS FROM EXISTING EMERGENCY PANEL WHERE EXISTING CAPACITY IS NOT SUFFICIENT FOR NEW LOADS.

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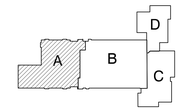
PROJECT

TIMOTHY BALL ES ADDITION AND RENOVATIONS

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



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MARK	DATE	ISSUED FOR
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "A" ELECTRICAL FIRST FLOOR LIGHTING PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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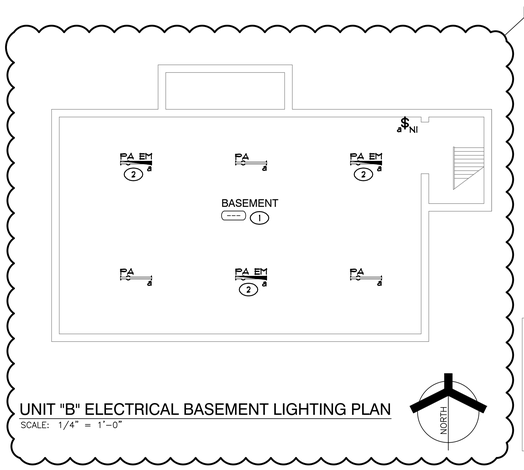
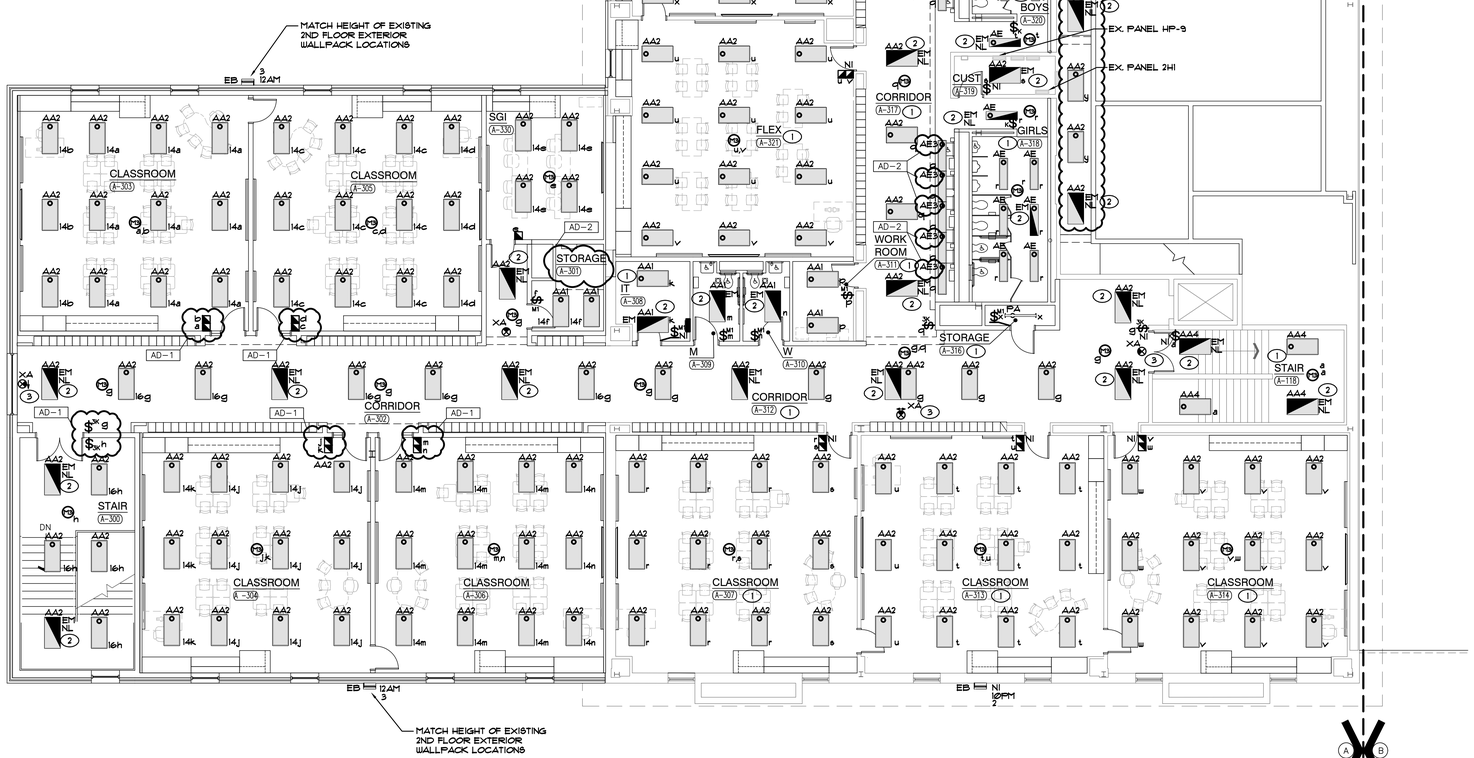
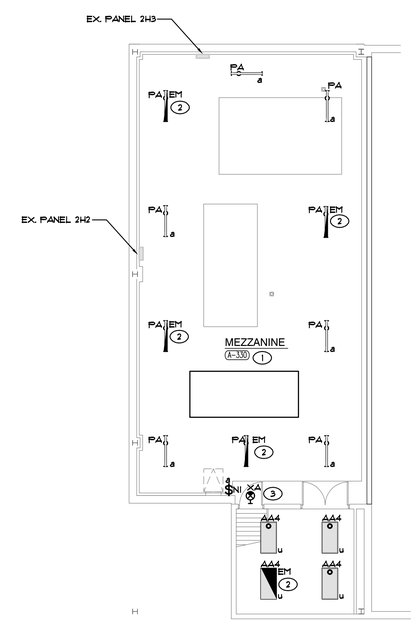


UNIT "B" ELECTRICAL BASEMENT LIGHTING PLAN
SCALE: 1/4" = 1'-0"



UNIT "A" ELECTRICAL SECOND FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"



UNIT "B" ELECTRICAL MEZZANINE LIGHTING PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. CIRCUIT ALL NORMAL LIGHTING FIXTURES TO PANEL 2H1 UNLESS OTHERWISE NOTED.
2. EMERGENCY SENSING LEADS SHALL BE CONNECTED TO CONSTANT HOT FEEDS FROM NORMAL LIGHTING IN ROOM. THIS FEED SHALL BE TAKEN AHEAD OF ANY EMERGENCY SHUTDOWNS, RELAYS, CONTACTORS OR SWITCHES.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES.
4. ROUTE CONDUIT AS TIGHT TO THE EXPOSED CEILINGS AND STRUCTURE AS POSSIBLE TO MAXIMIZE CEILING SPACE.
5. VERIFY TEACHING SURFACE WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION AND ADJUST SWITCHING TO PROPERLY ILLUMINATE TEACHING SURFACE. CAREFULLY COORDINATE FINAL SWITCHING WITH FINAL FURNITURE PLANS AND TEACHING WALL LOCATIONS.

SHEET NOTES

1. RECONNECT NEW LIGHTING FIXTURES IN THIS SPACE TO EXISTING LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED. MAXIMUM 4400W PER 277 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #2 AND 1 #2 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
2. RECONNECT NEW EMERGENCY LIGHTING FIXTURES TO EXISTING EMERGENCY LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED, MAXIMUM 4400W PER 277 VOLT CIRCUIT. PROVIDE UL924 RELAY DEVICE AS REQUIRED TO ACCOMPLISH REQUIRED EMERGENCY SWITCHING. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING EMERGENCY PANEL, AND EXTEND 2 #2 AND 1 #2 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
3. RECONNECT NEW EXIT SIGN LIGHTING FIXTURES TO EXISTING EXIT SIGN EMERGENCY LIGHTING CIRCUITRY COMPLETE AS REQUIRED, MAXIMUM 4400W PER 277 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #2 AND 1 #2 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.

EXTERIOR LIGHTING NOTES

1. NEW EXTERIOR LIGHTING SHALL BE CONNECTED TO EXISTING EXTERIOR LIGHTING 277V, 20A CIRCUITS (FROM EXISTING PANEL 1H5) VIA NEW TIME CLOCK CONTROL SYSTEM AND INVERTERS AS SPECIFIED.
2. CIRCUIT NUMBERS SHOWN ARE NOT ACTUAL, BUT ARE SHOWN TO INDICATE CIRCUITING REQUIREMENTS. VERIFY ACTUAL CIRCUIT ASSIGNMENTS IN FIELD.
3. IF EXISTING EXTERIOR LIGHTING CIRCUITRY DOES NOT HAVE SUFFICIENT CAPACITY FOR NEW LIGHTING FIXTURES, NEW 277V, 20A CIRCUITS (FROM EXISTING PANEL 1H5) SHALL BE PROVIDED WITH NEW CIRCUITRY FROM EXISTING PANEL 2H1, COMPLETE AS REQUIRED.
4. EXTERIOR LIGHTING CIRCUITS #2 AND #3 SHALL BE CONNECTED TO EXISTING CIRCUITRY (FROM EXISTING PANEL 1H5) VIA NEW TIME CLOCK, PHOTOCELL AND CONTACTORS.

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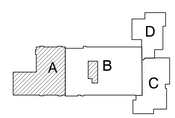
CROWN POINT, INDIANA



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PROJECT 21-112
DATE 02/07/21
COORDINATED BY SM
DRAWN BY AC
CHECKED BY DJ

REGISTERED DAVID G. JANEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-1	02/17/22	ADDENDUM NO. 1
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "A" SECOND FLOOR & UNIT "B" MEZZANINE ELECTRICAL LIGHTING PLANS

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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A,B

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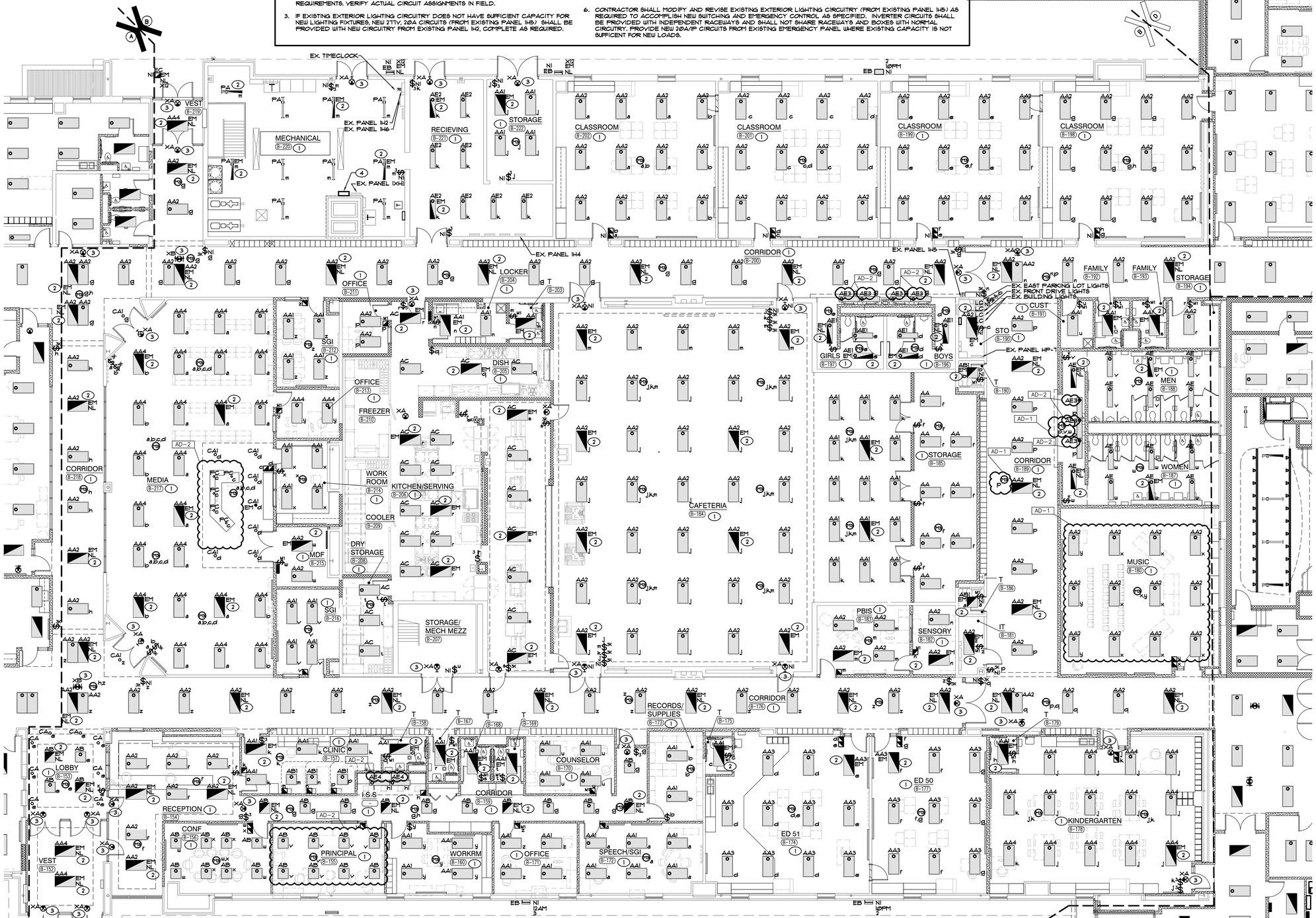
EXTERIOR LIGHTING NOTES

1. NEW EXTERIOR LIGHTING SHALL BE CONNECTED TO EXISTING EXTERIOR LIGHTING 277V, 20A CIRCUITS (FROM EXISTING PANEL 1H5) VIA NEW TIME CLOCK CONTROL SYSTEM AND INVERTERS AS SPECIFIED.
2. CIRCUIT NUMBERS SHOWN ARE NOT ACTUAL, BUT ARE SHOWN TO INDICATE CIRCUITING REQUIREMENTS. VERIFY ACTUAL CIRCUIT ASSIGNMENTS IN FIELD.
3. IF EXISTING EXTERIOR LIGHTING CIRCUITRY DOES NOT HAVE SUFFICIENT CAPACITY FOR NEW LIGHTING FIXTURES, NEW 277V, 20A CIRCUITS (FROM EXISTING PANEL 1H5) SHALL BE PROVIDED WITH NEW CIRCUITRY FROM EXISTING PANEL 1H2, COMPLETE AS REQUIRED.
4. EXTERIOR LIGHTING CIRCUITS #2 AND #3 SHALL BE CONNECTED TO EXISTING CIRCUITRY (FROM EXISTING PANEL 1H5) VIA NEW TIME CLOCK, PHOTOCELL AND CONTACTORS.
5. EXTERIOR LIGHTING CIRCUITS X12 AND X11 SHALL BE CONNECTED TO NEW 20A/1P CIRCUITRY FROM EXISTING EMERGENCY PANEL 1XH1 VIA NEW TIME CLOCK, PHOTOCELL, CONTACTORS AND EXTERIOR LIGHTING INVERTER #1.
6. CONTRACTOR SHALL MODIFY AND REVISE EXISTING EXTERIOR LIGHTING CIRCUITRY (FROM EXISTING PANEL 1H5) AS REQUIRED TO ACCOMPLISH NEW SWITCHING AND EMERGENCY CONTROL AS SPECIFIED. INVERTER CIRCUITS SHALL BE PROVIDED WITH INDEPENDENT RACEWAYS AND SHALL NOT SHARE RACEWAYS AND BOXES WITH NORMAL CIRCUITRY. PROVIDE NEW 20A/1P CIRCUITS FROM EXISTING EMERGENCY PANEL WHERE EXISTING CAPACITY IS NOT SUFFICENT FOR NEW LOADS.



SHEET NOTES

1. RECONNECT NEW LIGHTING FIXTURES IN THIS SPACE TO EXISTING LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED. MAXIMUM 4400W PER 277 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #2 AND 1 #2 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
2. RECONNECT NEW EMERGENCY LIGHTING FIXTURES TO EXISTING EMERGENCY LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED. MAXIMUM 4400W PER 277 VOLT CIRCUIT. PROVIDE UL924 RELAY DEVICE AS REQUIRED TO ACCOMPLISH REQUIRED EMERGENCY SWITCHING. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING EMERGENCY PANEL, AND EXTEND 2 #2 AND 1 #2 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
3. RECONNECT NEW EXIT SIGN LIGHTING FIXTURES TO EXISTING EXIT SIGN EMERGENCY LIGHTING CIRCUITRY COMPLETE AS REQUIRED. MAXIMUM 4400W PER 277 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #2 AND 1 #2 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
4. EXTERIOR LIGHTING INVERTER #1, CONTACTOR AND NEW CONTROLS. REFER TO DETAIL FOR ADDITIONAL INFORMATION.

GENERAL NOTES

1. EMERGENCY SENSING LEADS SHALL BE CONNECTED TO CONSTANT HOT FEEDS FROM NORMAL LIGHTING IN ROOM. THIS FEED SHALL BE TAKEN AHEAD OF ANY EMERGENCY SHUTDOWNS, RELAYS, CONTACTORS OR SWITCHES.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES.
3. ROUTE CONDUIT AS TIGHT TO THE EXPOSED CEILINGS AND STRUCTURE AS POSSIBLE TO MAXIMIZE CEILING SPACE.
4. VERIFY TEACHING SURFACE WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION AND ADJUST SWITCHING TO PROPERLY ILLUMINATE TEACHING SURFACE. CAREFULLY COORDINATE FINAL SWITCHING WITH FINAL FURNITURE PLANS AND TEACHING WALL LOCATIONS.

UNIT "B" ELECTRICAL FIRST FLOOR LIGHTING PLAN

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

NORTH

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REVISIONS

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AD-1	02/17/22	ADDENDUM NO. 1
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "B" ELECTRICAL FIRST FLOOR LIGHTING PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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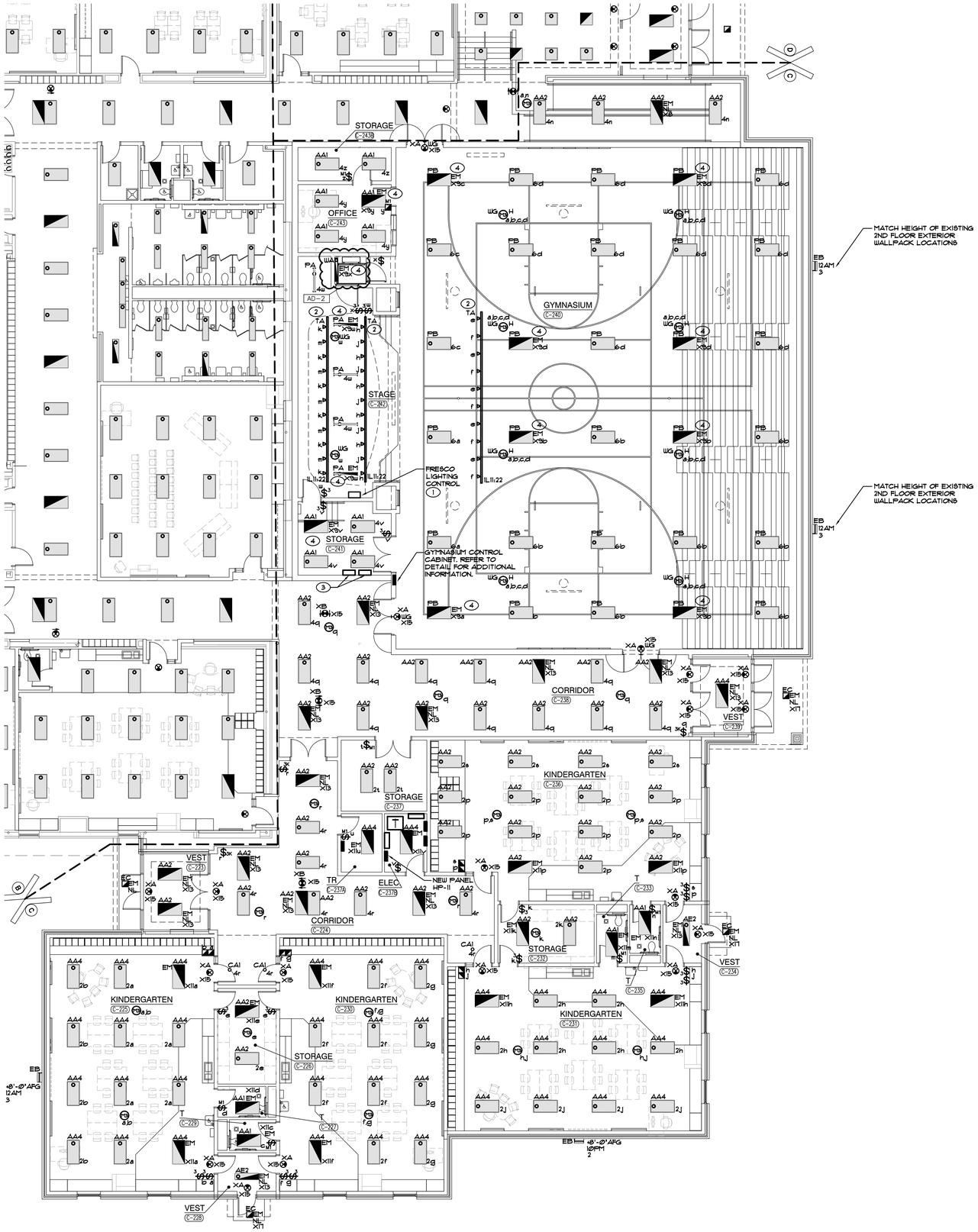

UNIT "C" ELECTRICAL FIRST FLOOR LIGHTING PLAN

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

GENERAL NOTES

1. CIRCUIT ALL NORMAL LIGHTING FIXTURES TO PANEL HP-11 UNLESS OTHERWISE NOTED.
2. EMERGENCY SENSING LEADS SHALL BE CONNECTED TO CONSTANT HOT FEEDS FROM NORMAL LIGHTING IN ROOM. THIS FEED SHALL BE TAKEN AHEAD OF ANY EMERGENCY SHUTDOWNS, RELAYS, CONTACTORS OR SWITCHES.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES.
4. ROUTE CONDUIT AS TIGHT TO THE EXPOSED CEILINGS AND STRUCTURE AS POSSIBLE TO MAXIMIZE CEILING SPACE.
5. VERIFY TEACHING SURFACE WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION AND ADJUST SWITCHING TO PROPERLY ILLUMINATE TEACHING SURFACE. CAREFULLY COORDINATE FINAL SWITCHING WITH FINAL FURNITURE PLANS AND TEACHING WALL LOCATIONS.
6. CIRCUIT TAGS WITH AN 'X' PREFIX SHOWN WITH A SWITCH LEG SHALL BE A SWITCHED EMERGENCY FIXTURE CONNECTED TO EXISTING EMERGENCY PANEL IXH. THE FIXTURE SHALL BE PROVIDED WITH A UL924 RATED BYPASS DEVICE TO ALLOW THE FIXTURE TO BE CONTROLLED ALONG WITH THE NORMAL FIXTURES IN THE ROOM. UPON LOSS OF POWER, THE FIXTURE SHALL BE IMMEDIATELY POWERED TO 100% REGARDLESS OF SWITCH POSITION.
7. FIXTURES WITH A 'NL' TAG SHALL BE CONNECTED TO THE NIGHT LIGHT CIRCUIT INDICATED IN EXISTING EMERGENCY PANEL IXH.
8. EXIT SIGNS SHALL BE CONNECTED TO CIRCUIT INDICATED IN EXISTING EMERGENCY PANEL IXH.
9. TYPE PB EMERGENCY FIXTURES IN GYM TO BE PROVIDED WITH EMERGENCY POWER BY TWO (2) MYERS LV-5-X 1100VA LIGHTING INVERTERS AND UL924 BYPASSES.

SHEET NOTES

1. PROVIDE A FULL ACUITY N-LIGHT STAND ALONE SYSTEM TO CONTROL THE GYMNASIUM AND STAGE LIGHTING. PROVIDE OCCUPANCY SENSORS, SWITCHES, ACCESSORIES, DEVICES, CABLING, ETC. FOR A COMPLETE AND PROPER INSTALLATION. LOW VOLTAGE CABLING SHALL BE ROUTED IN CONDUIT IN EXPOSED CEILINGS.
2. VERIFY EXACT LOCATION OF FIXTURE WITH ARCHITECT AND PROVIDE CUSTOM WIRE GUARD PROTECTION.
3. TWO (2) GYMNASIUM INVERTERS. PROVIDE TWO (2) MINIMUM 1100VA MYERS LV-5-R-X SERIES INVERTERS OR APPROVED EQUAL. INVERTER SHALL BE LOCATED FOR EASY ACCESS AND PROPER COOLING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4. CONNECT EMERGENCY INTERIOR LIGHTING FIXTURES TO CIRCUIT INDICATED IN PANEL IXH VIA GYMNASIUM EMERGENCY INVERTERS. MEASURE AND BALANCE LOADS ACROSS INVERTERS PER MANUFACTURER'S INSTRUCTIONS. PROVIDE UL924 BYPASSES DEVICES TO ALLOW THE FIXTURE TO BE CONTROLLED ALONG WITH THE NORMAL LIGHTING IN THE ROOM. UPON LOSS OF POWER, FIXTURE SHALL BE IMMEDIATELY POWERED TO 100% FOR A MINIMUM OF 90 MINUTES, REGARDLESS OF SWITCH POSITION. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD AND WITH LIGHTING CONTROLS MANUFACTURER, COMPLETE AS REQUIRED.

EXTERIOR LIGHTING NOTES

1. NEW EXTERIOR LIGHTING SHALL BE CONNECTED TO EXISTING EXTERIOR LIGHTING 277V, 20A CIRCUITS (FROM EXISTING PANEL 1-15) VIA NEW TIME CLOCK CONTROL SYSTEM AND INVERTERS AS SPECIFIED.
2. CIRCUIT NUMBERS SHOWN ARE NOT ACTUAL, BUT ARE SHOWN TO INDICATE CIRCUITING REQUIREMENTS. VERIFY ACTUAL CIRCUIT ASSIGNMENTS IN FIELD.
3. IF EXISTING EXTERIOR LIGHTING CIRCUITRY DOES NOT HAVE SUFFICIENT CAPACITY FOR NEW LIGHTING FIXTURES, NEW 277V, 20A CIRCUITS (FROM EXISTING PANEL 1-15) SHALL BE PROVIDED WITH NEW CIRCUITRY FROM NEW PANEL HP-11. COMPLETE AS REQUIRED.
4. EXTERIOR LIGHTING CIRCUITS #2 AND #3 SHALL BE CONNECTED TO EXISTING CIRCUITRY (FROM EXISTING PANEL 1-15) VIA NEW TIME CLOCK, PHOTOCELL AND CONTACTORS.
5. EXTERIOR LIGHTING CIRCUIT X17 SHALL BE CONNECTED TO NEW 20A/1P CIRCUITRY FROM EXISTING EMERGENCY PANEL IXH1 VIA NEW TIME CLOCK, PHOTOCELL, CONTACTORS AND EXTERIOR LIGHTING INVERTER #1.
6. CONTRACTOR SHALL MODIFY AND REVISE EXISTING EXTERIOR LIGHTING CIRCUITRY (FROM EXISTING PANEL 1-15) AS REQUIRED TO ACCOMPLISH NEW SWITCHING AND EMERGENCY CONTROL AS SPECIFIED. INVERTER CIRCUITS SHALL BE PROVIDED WITH INDEPENDENT RACEWAYS AND SHALL NOT SHARE RACEWAYS AND BOXES WITH NORMAL CIRCUITRY. PROVIDE NEW 20A/1P CIRCUITS FROM EXISTING EMERGENCY PANEL WHERE EXISTING CAPACITY IS NOT SUFFICENT FOR NEW LOADS.

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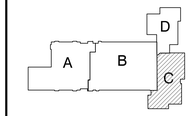
CROWN POINT, INDIANA



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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
UNIT "C" ELECTRICAL FIRST FLOOR LIGHTING PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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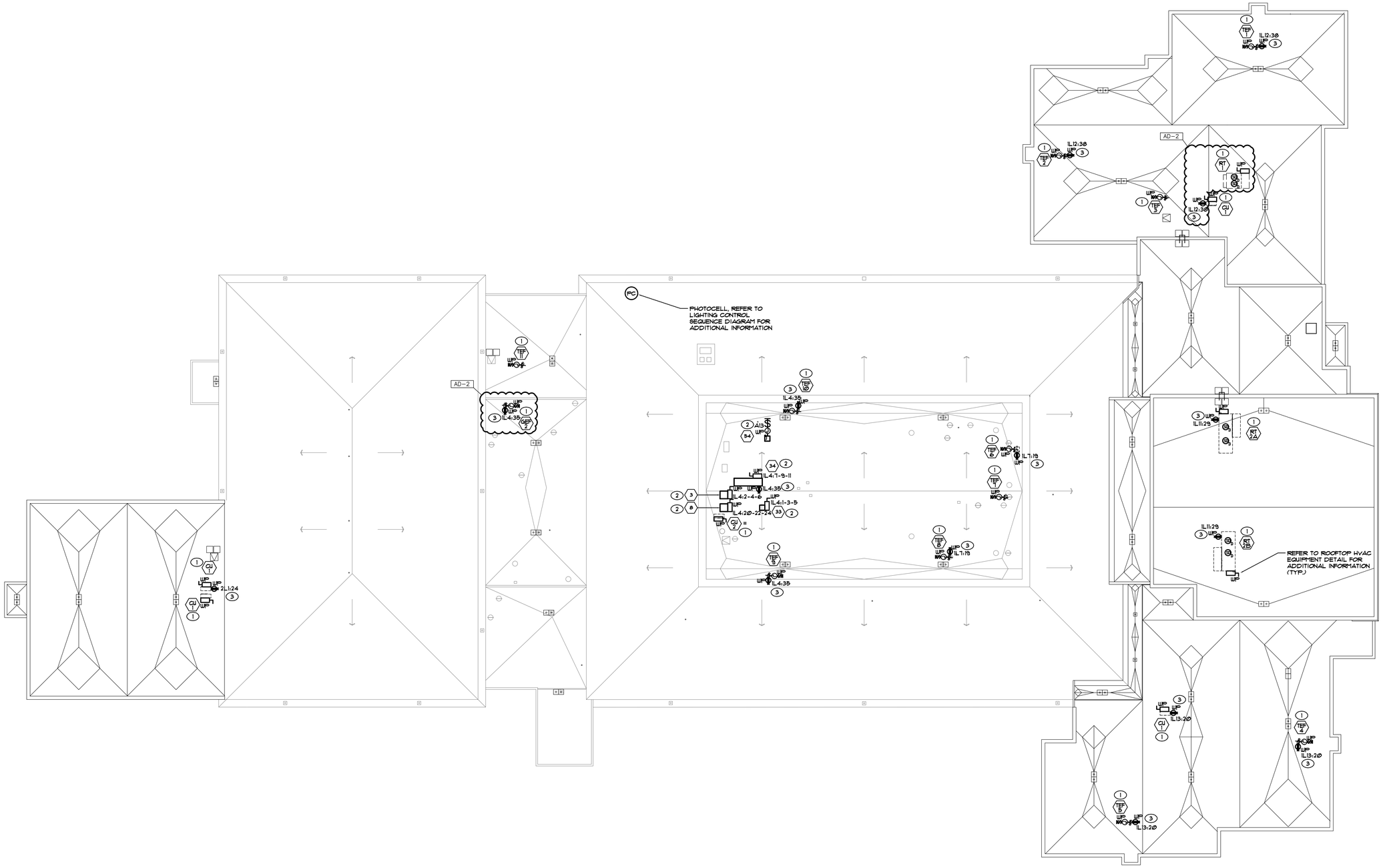
GENERAL NOTES

1. ALL DEVICES SHALL BE CIRCUITED ACCORDING TO CIRCUIT PREFIX UNLESS OTHERWISE NOTED.

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.
2. COORDINATE ROOFTOP PLACEMENT OF EXHAUST AND MAKE UP AIR FANS, FREEZER/COOLER CONDENSING UNITS WITH KEC.
3. LOCATE WEATHERPROOF GFI TYPE RECEPTACLE ON UNIT IN AN APPROVED MANNER, COMPLETE AS REQUIRED.



ELECTRICAL POWER ROOF PLAN
SCALE: 1/16" = 20'-0"

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PROJECT

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DRAWING
ELECTRICAL POWER ROOF PLAN

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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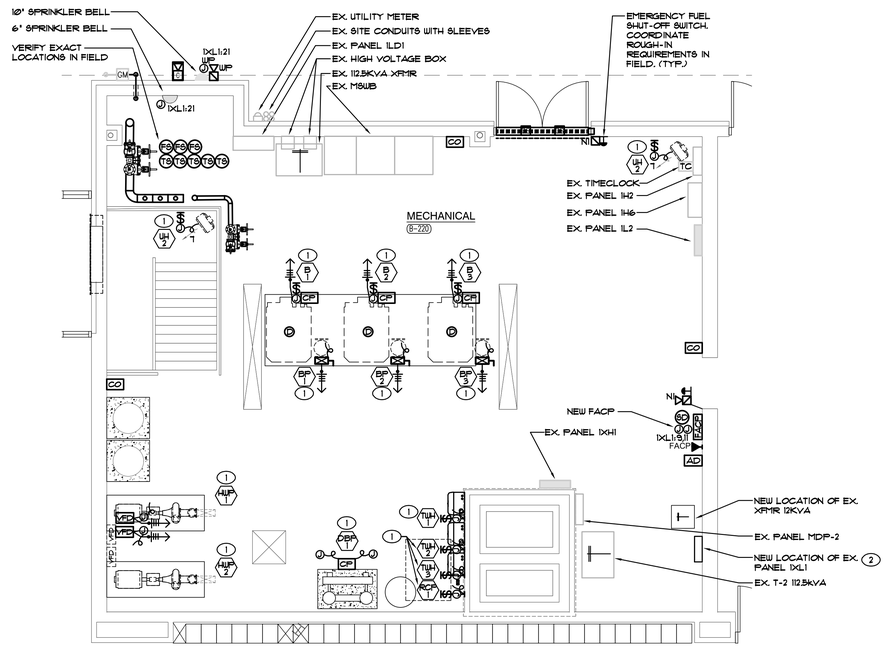
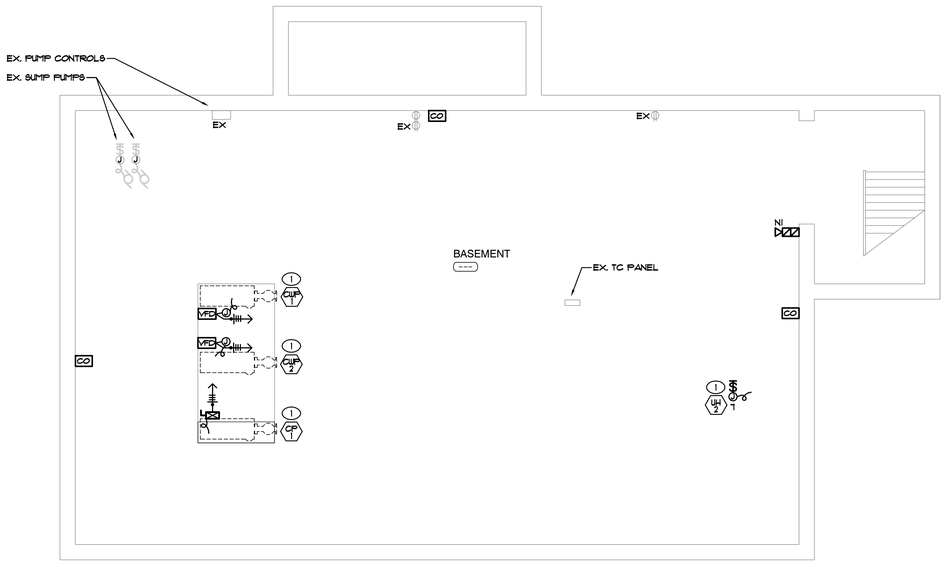


UNIT "B" ELECTRICAL ENLARGED BOILER ROOM POWER PLAN
SCALE: 1/4" = 1'-0"

AD-2



UNIT "B" ELECTRICAL ENLARGED BASEMENT POWER PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. CIRCUIT ALL DEVICES TO EXISTING PANEL IL2 UNLESS OTHERWISE NOTED.
2. PROVIDE ALL LABOR AND MATERIAL TO PROVIDE THE NECESSARY ROUGH-INS, RACEWAYS AND ELECTRICAL SERVICES FOR ALL OF THE ACCESS CONTROL, SOUND SYSTEMS, TECHNOLOGY SYSTEMS AND EQUIPMENT. SEE TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR LOCATIONS OF DEVICES/EQUIPMENT, MOUNTING HEIGHTS AND ELECTRICAL REQUIREMENTS. COORDINATE AND VERIFY EXACT LOCATIONS OF ALL OF THESE ROUGH-INS AND REQUIREMENTS WITH TECH DYNE, ARCHITECT, OWNER, CONSTRUCTION MANAGER AND DIVISION 27 CONTRACTOR PRIOR TO ROUGHING-IN.
3. CIRCUIT ALL DEVICES TO EXISTING PANEL INDICATED ON CIRCUIT PREFIX UNLESS OTHERWISE NOTED. CIRCUIT NUMBERS ARE ARBITRARY AND ARE ONLY SHOWN TO INDICATE CIRCUITING REQUIREMENTS. NEW CIRCUIT BREAKERS SHALL MATCH THE MAKE, MODEL AND WITHSTAND RATING OF THE EXISTING PANELBOARD. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.
2. RELOCATED EXISTING PANELBOARD TO BE SURFACE MOUNTED ON NEW WALL. EXTEND BRANCH CONDUIT AND WIRING FROM CEILING ABOVE AND IN SLAB FULL BOXES TO PANEL LOCATION AND CONNECT. NEW CIRCUIT BREAKERS SHALL MATCH THE MAKE, MODEL AND WITHSTAND RATING OF THE EXISTING PANELBOARD AS REQUIRED. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
3. RECONNECT NEW LIGHTING FIXTURES IN THIS SPACE TO EXISTING LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED. MAXIMUM 4400W PER 277 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #12 AND 1 #12 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
4. RECONNECT NEW EMERGENCY LIGHTING FIXTURES TO EXISTING EMERGENCY LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED. MAXIMUM 4400W PER 277 VOLT CIRCUIT. PROVIDE UL924 RELAY DEVICE AS REQUIRED TO ACCOMPLISH REQUIRED EMERGENCY SWITCHING. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING EMERGENCY PANEL, AND EXTEND 2 #12 AND 1 #12 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.

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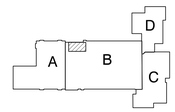
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



KEY PLAN

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PROJECT 21-112
DATE 02/07/21
COORDINATED BY SM
DRAWN BY AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
ENLARGED ELECTRICAL POWER PLANS

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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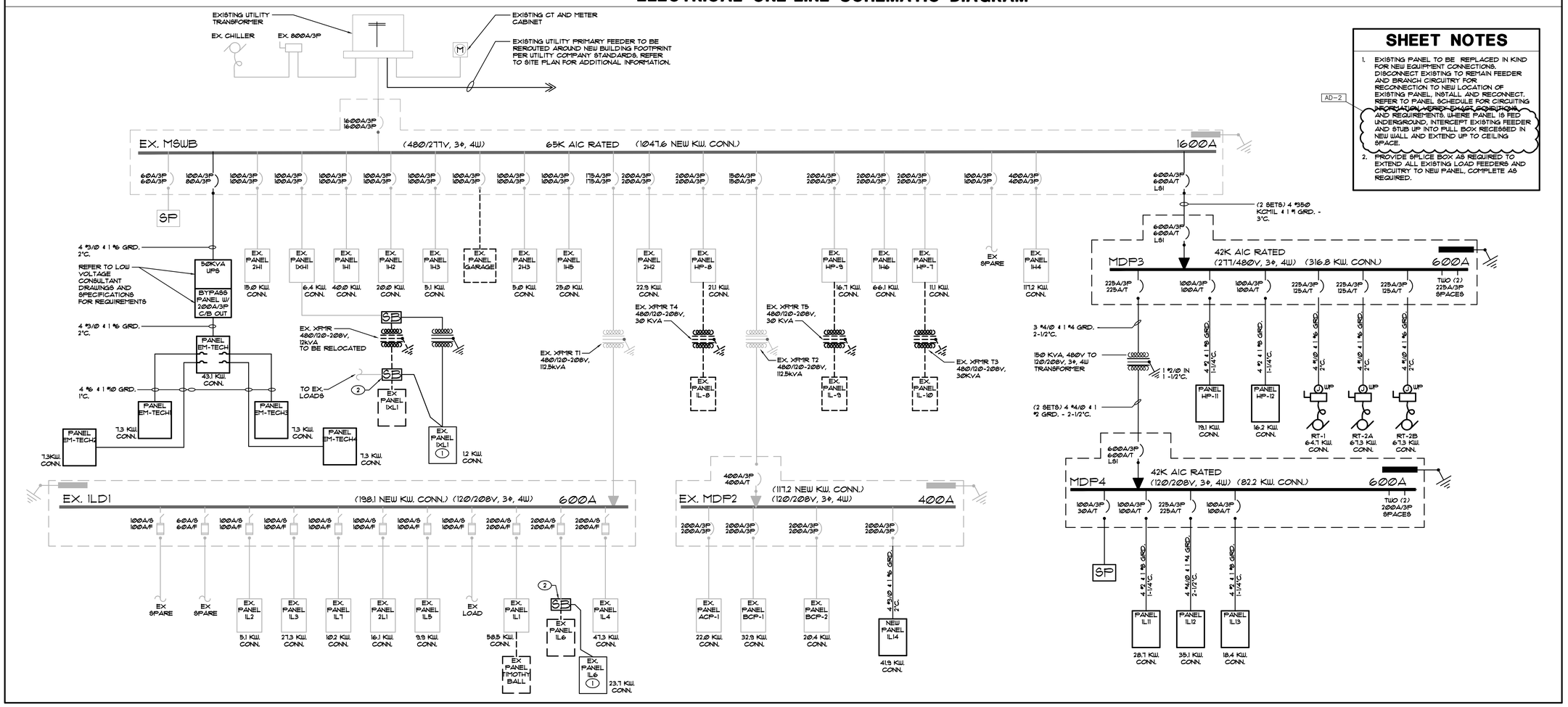
ELECTRICAL ONE-LINE SCHEMATIC DIAGRAM



SHEET NOTES

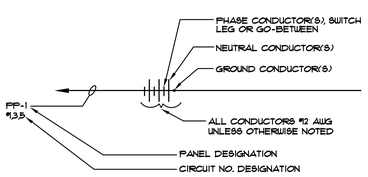
1. EXISTING PANEL TO BE REPLACED IN KIND FOR NEW EQUIPMENT CONNECTIONS. DISCONNECT EXISTING TO REMAIN FEEDER AND BRANCH CIRCUITRY FOR RECONNECTION TO NEW LOCATION OF EXISTING PANEL. INSTALL AND RECONNECT. REFER TO PANEL SCHEDULE FOR CIRCUITING INFORMATION, WIRED SIZES, CONDUITS, AND REQUIREMENTS. WHERE PANEL IS FED UNDERGROUND, INTERCEPT EXISTING FEEDER AND STUB UP INTO FULL BOX RECESSED IN NEW WALL AND EXTEND UP TO CEILING SPACE. AD-2
2. PROVIDE SPLICE BOX AS REQUIRED TO EXTEND ALL EXISTING LOAD FEEDERS AND CIRCUITRY TO NEW PANEL, COMPLETE AS REQUIRED.

ELECTRICAL ABBREVIATIONS

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	KILOWATTS
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
AFG	ABOVE FINISHED GRADE	MTD	MOUNTED
BRKR	BREAKER	NE	NEW LOCATION OF EXISTING RELOCATED DEVICE
C	CONDUIT	NIC	NOT IN CONTRACT
CH	CABINET HEATER	NL	NIGHTLIGHT
CKT	CIRCUIT	NTS	NOT TO SCALE
DISTR	DISTRIBUTION	O/C	ON CENTER
EF	EXHAUST FAN	P	POLE
ELEC	ELECTRICAL	PNL	PANEL
EM	EMERGENCY	PH	PHASE
EMT	ELECTRICAL METALLIC TUBING	RR	REMOVE AND RELOCATE EXISTING DEVICE
ER	EXISTING DEVICE TO BE REMOVED	SW	SWITCH
EX	EXISTING DEVICE TO REMAIN	TYP	TYPICAL
F	FUSE	UON	UNLESS OTHERWISE NOTED
FS	FUSIBLE SWITCH	V	VOLTS
G	GROUND	V/F	VERIFY IN FIELD
GFI	GROUND FAULT INTERRUPTING PROTECTION	W	WATTS
GRC	GALVANIZED RIGID CONDUIT	WP	WEATHERPROOF TYPE DEVICE
HP	HORSEPOWER	WG	WIRE GUARD
J	JUNCTION BOX	F&I	FURNISH AND INSTALL

KEY TO ELECTRICAL CIRCUIT WIRING

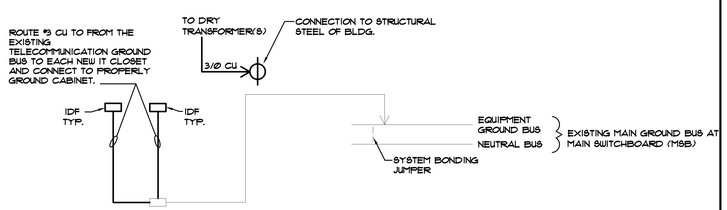


NOTES:
1. ALL WIRING SHALL BE #12 AWG, UNLESS OTHERWISE NOTED.
2. MINIMUM CONDUIT SIZE SHALL BE ¾" EXCEPT FOR THREE (3) WIRES OR LESS, OR CONTROL WIRING WITHIN BUILDINGS,
3. WHICH MAY BE ½" CONDUIT.

½" FLEXSTEEL, GREENFIELD OR SEALITE SHALL BE THE MINIMUM SIZE INSTALLED.

GROUNDING DETAIL

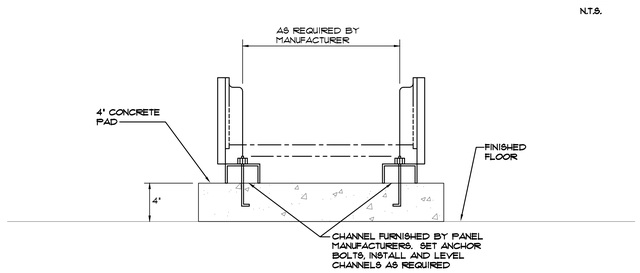
(NTS.)



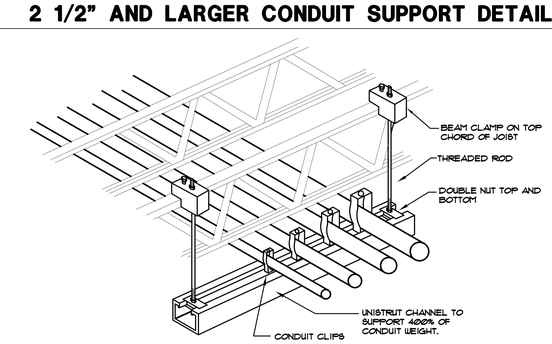
NOTES:
1. CONTRACTOR SHALL FOLLOW THIS DETAIL FOR PROPER GROUNDING CONNECTIONS, INCLUDING FURNISH AND INSTALL ALL CONDUCTORS AND EQUIPMENT SUCH AS GROUND RODS, SURGE ARRESTOR, GROUND BUS, ETC. TO PROPERLY GROUND/BOND ALL EQUIPMENT.
2. SYSTEM GROUNDING FOR INTERIOR DISTRIBUTION TRANSFORMERS SHALL BE MADE TO A GROUNDING ELECTRODE AS NEAR AS PRACTICAL TO, AND PREFERABLY IN THE SAME AREA AS, THE TRANSFORMER. THE ELECTRODE SHALL BE THE NEAREST OF A METAL WATER PIPE GROUNDING ELECTRODE OR STRUCTURAL METAL GROUNDING ELECTRODE.
3. GROUNDING ELECTRODE RESISTANCE SHALL BE 25 OHMS OR LESS. SHOULD THE MEASURED RESISTANCE BE HIGHER THAN 25 OHMS, ADDITIONAL SUPPLEMENTAL ELECTRODES SHALL BE PROVIDED AS REQUIRED TO REACH A RESISTANCE TO EARTH OF 25 OHMS OR LESS.
4. IN ADDITION TO THE ABOVE DEPICTED CONNECTIONS, CONTRACTOR SHALL PROVIDE ALL GROUND RODS, GROUND GRIDS, AND OTHER GROUNDING ELECTRODES AS REQUIRED BY THE UTILITY COMPANY AND MAKE CONNECTIONS TO UTILITY EQUIPMENT PER UTILITY COMPANY STANDARDS.

TYPICAL FLOOR MOUNTED PANEL & EQUIPMENT PAD INSTALLATION

N.T.S.



2 1/2" AND LARGER CONDUIT SUPPORT DETAIL



GIBRALTAR DESIGN
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PROJECT
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REGISTERED DAVID G. JANEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
ELECTRICAL ONE-LINE, DETAILS & DIAGRAMS

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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SHEET
E-501

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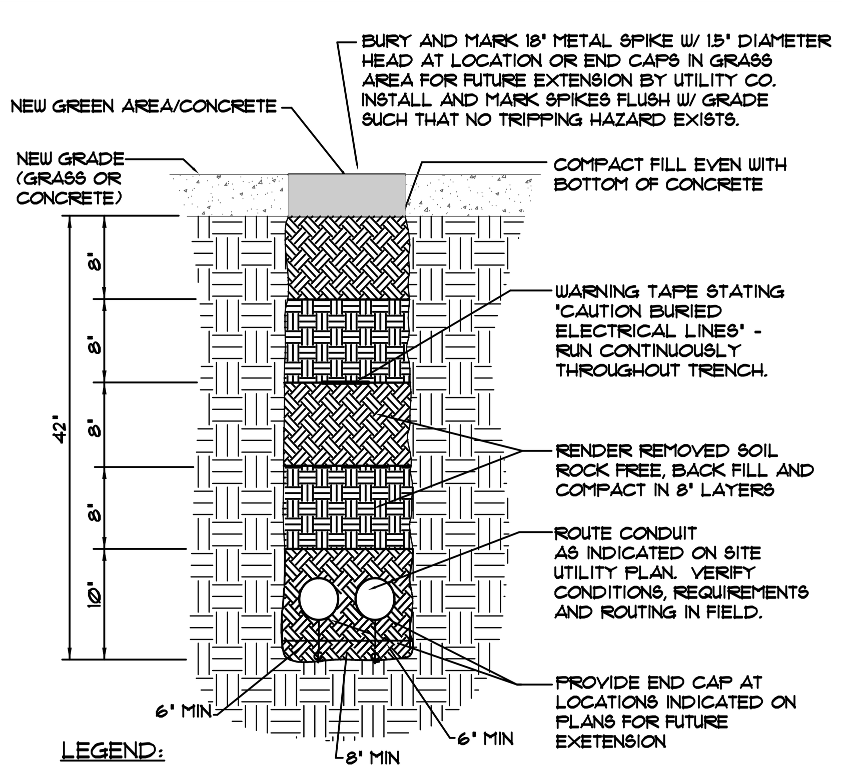
FIXTURE GENERAL NOTES

1. INTERIOR FIXTURES, EXTERIOR FIXTURES AND POLE FINISHES AND COLORS TO BE SELECTED BY ARCHITECT. THE ARCHITECT MAY, AT THEIR 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 CUSTOM 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 SUSPENSION LENGTH AS SHOWN ON DRAWINGS. PROVIDE 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 (MYERS #LV SERIES OR APPROVED EQUAL) WITH SUITABLE CAPACITY TO POWER FIXTURE FOR A MINIMUM OF 90 MINUTES PER CODE. VERIFY SIZING AND REQUIREMENTS WITH CONTRACT DOCUMENTS PRIOR TO ORDERING. AD-1
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 1.3 GUST FACTOR. MINIMUM POLE SIZE TO BE 5" SQUARE. PROVIDE ADDITIONAL MOUNTING ACCESSORIES AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.
7. FOR EXTERIOR POLE MOUNTED LIGHTING, PROVIDE FACTORY MOUNTED HOUSE SIDE SHIELDS INTEGRAL TO THE FIXTURE AS SPECIFIED. ADDITIONALLY, PROVIDE CUSTOM FABRICATED POLE MOUNTED HOUSE SIDE SHIELDING AS REQUIRED TO CONTROL LIGHT TRESPASS AND COMPLY WITH LOCAL REQUIREMENTS.
8. FIXTURES WITH EMERGENCY BATTERIES SHALL BE PROVIDED WITH CONSTANT HOT SENSING WIRE SO THAT FIXTURE CAN BE SWITCHED ON AND OFF WITHOUT ACTIVATING EMERGENCY BALLAST. UPON LOSS OF POWER, THE FIXTURE SHALL BE ILLUMINATED FOR A MINIMUM OF 90 MINUTES REGARDLESS OF THE LIGHT SWITCH POSITION. PROVIDE TEST SWITCH AND CHARGING INDICATOR FOR EMERGENCY BATTERY AS SPECIFIED.
9. ALL INTEGRAL EMERGENCY BATTERIES USED IN EXTERIOR APPLICATIONS SHALL HAVE A MINIMUM STARTING TEMPERATURE OF -20 DEGREES F UNLESS OTHERWISE SPECIFIED.
10. CAREFULLY COORDINATE MOUNTING REQUIREMENTS FOR FIXTURES WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER. PROVIDE APPROPRIATE MOUNTING FRAMES FOR LAY-IN OR GYPSUM CEILINGS. VERIFY CEILING REQUIREMENTS WITH FINAL ARCHITECTURAL REFLECTED CEILING PLAN.
11. COMPLETE PHOTOMETRICS OF THE INTERIOR AND EXTERIOR LIGHTING SHALL BE SUBMITTED ALONG WITH THE LIGHTING SHOP DRAWINGS FOR REVIEW. FOR FINISHED SPACES, 80/50/20 REFLECTANCES SHALL BE UTILIZED. FOR UNFINISHED SPACES 50/50/20 REFLECTANCE SHALL BE UTILIZED. THE LLD VALUE THAT SHALL BE UTILIZED FOR LED IS .81. EXTERIOR CALCULATIONS SHALL ACCOUNT FOR HOUSE SIDE SHIELDING AND SHALL CONFORM TO LOCAL REQUIREMENTS.
12. VERIFY FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
13. VERIFY VOLTAGES OF EXISTING LIGHTING CIRCUITRY PRIOR TO ORDERING FIXTURES.
14. FOR FIXTURES INSTALLED IN CASEWORK, VERIFY FIXTURE FIT WITH CASEWORK SHOP DRAWINGS PRIOR TO ORDERING.
15. PROVIDE CUSTOM ANTI-SWAY BRACING FOR PENDANT TO ELIMINATE PENDANT MOVEMENT DUE TO AIR MOVEMENT OR ENVIRONMENTAL CAUSES.
16. COORDINATE LOCATIONS OF INTERIOR AND EXTERIOR LIGHTING FIXTURES WITH FINAL ARCHITECTURAL DRAWINGS. FIXTURES THAT ARE NOT INSTALLED IN THE CORRECT LOCATION SHALL BE RELOCATED AND REINSTALLED IN THE CORRECT LOCATION AT NO ADDITIONAL CHARGE.
17. FIXTURES SHALL BE PROVIDED WITH ESCUTCHEON PLATES AS REQUIRED TO COVER EXISTING HOLES FROM REMOVED FIXTURES. CANOPY CEILING AROUND NEW FIXTURES SHALL BE REFINISHED TO MATCH EXISTING SURROUNDING CANOPY CEILING SURFACES.
18. PROVIDE 5000K COLOR TEMPERATURE IN SPECIAL EDUCATION SPACES AS SPECIFIED.
19. FIXTURES SHALL BE CAREFULLY COORDINATED WITH MANUFACTURER TO DELIVER THE SPECIFIED PRODUCT IN SUFFICIENT TIME TO MEET PROJECT DEADLINES. EQUIPMENT DELIVERY LEAD TIME SHALL NOT BE HELD AS A VALID REASON FOR REQUESTING LUMINAIRE SUBSTITUTION UNLESS LUMINAIRE LEAD TIME FROM SPECIFIED MANUFACTURER IS IN EXCESS OF 14 WEEKS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DETERMINE NECESSARY EQUIPMENT LEAD TIMES, DELIVER SUBMITTALS FOR REVIEW IN A TIMELY FASHION, AND PLACE ORDERS ACCORDINGLY TO ENSURE TIMELY DELIVERY.
20. EVALUATION OF APPROVED EQUALS SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT AND ENGINEER. IF THE PRODUCT SUBMITTED DURING THE REVIEW PROCESS IS NOT JUDGED AS AN EQUAL BY THE REVIEWING ENGINEER, THE CONTRACTOR SHALL PROVIDE THE PRODUCT SPECIFIED.
21. LIGHT FIXTURE TRANSFORMERS SHALL BE INTEGRAL STEP DOWN TRANSFORMERS PER NEC 210.6C. IF AN INTEGRAL STEP DOWN TRANSFORMER IS NOT AVAILABLE, PROVIDE A 120V CONNECTION FOR LIGHT FIXTURES AND ADDITIONAL CONTROL DEVICES AS REQUIRED TO PROPERLY CONTROL FIXTURES ALONG WITH OTHER 277 VOLT LIGHTING IN ROOM. VERIFY CONDITIONS AND REQUIREMENTS, COMPLETE AS REQUIRED.
22. CAREFULLY COORDINATE VOLTAGES OF FIXTURES PRIOR TO ORDERING FIXTURES.
23. APPROVED EQUALS WILL BE CONSIDERED FROM THE FOLLOWING VENDORS: KSA LIGHTING (630.307.6955), FORCE CHICAGO (312.986.1515), PG ENLIGHTEN (847.228.1199) OR ARCHIBALD AND MEEK (630.833.7377).
24. CAREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING.

TRENCH DETAIL

N.T.S.



LEGEND:

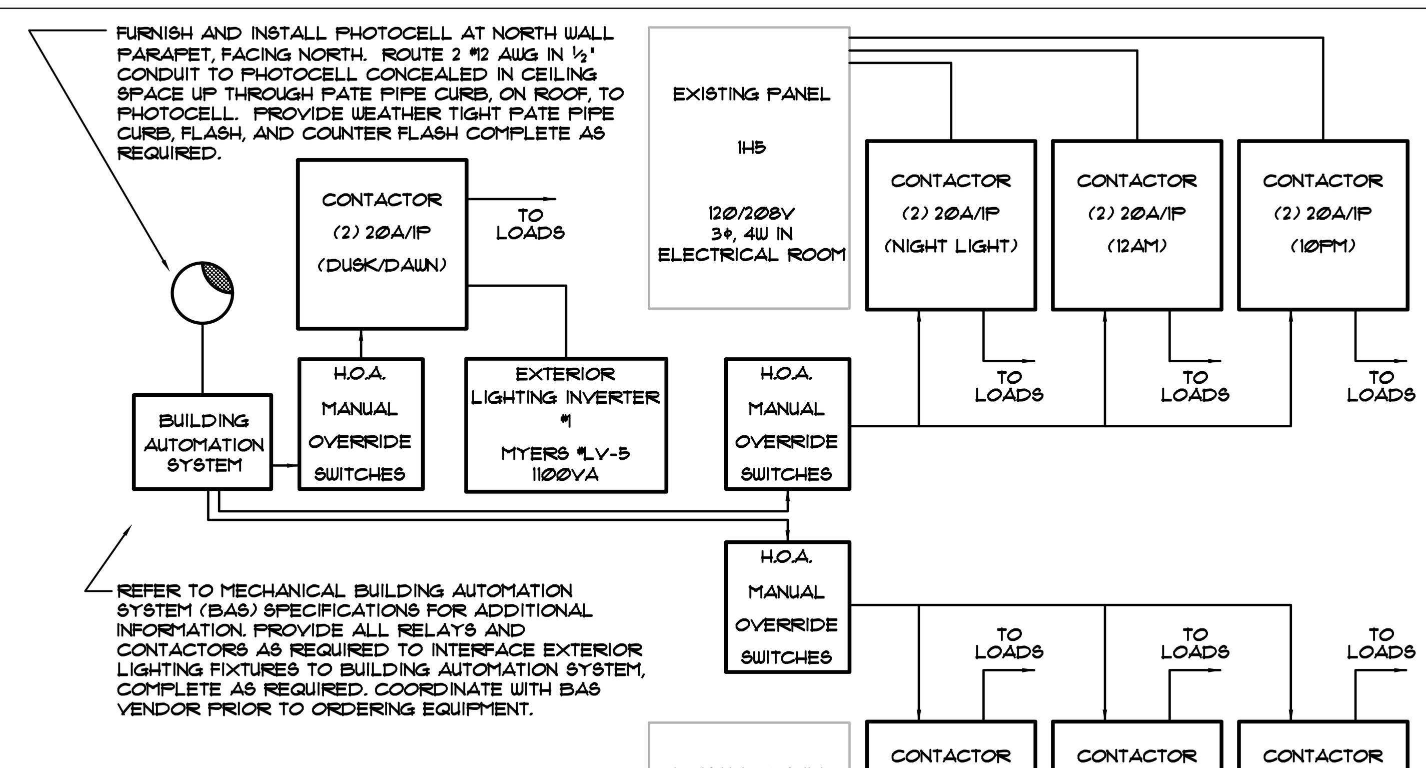
— — — INDICATES CONDUIT ROUTED MINIMUM 36" BELOW GRADE AND LISTED FOR DIRECT BURIAL WITH NYLON PULL WIRE. COORDINATE CONDUIT TYPE WITH SPECIFICATIONS. REGARDLESS OF THE SPECIFIED CONDUIT, ALL CONDUIT BENDS SHALL BE GALVANIZED RIGID STEEL CONDUIT WITH NO LESS THAN 36" BENDING RADIUS.

[PROPERLY TERMINATE, CAP AND SPIKE WITH 18" METAL SPIKE W/ 1.5" DIAMETER FOR FUTURE EXTENSION.

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 WITH HOUSE SHIELD	LITHONIA #DSX2-LED-P2-50K-T4M-277-SPA-HS-XX NO SUBSTITUTIONS AD-2	277 VOLT	LED 5000K MIN 24,000LM MAX 185W	POLE MTD 25'-0" AFG	-PROVIDE SSA-22-6-XX POLE OR APPROVED EQUAL
EA1		EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, SQUARE ALUMINUM POLE	LITHONIA #DSX2-LED-P2-50K-T2M-277-SPA-XX NO SUBSTITUTIONS AD-2	277 VOLT	LED 5000K MIN 24,000LM MAX 185W	POLE MTD 25'-0" AFG	-PROVIDE SSA-22-6-XX POLE OR APPROVED EQUAL
EA2		EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, SQUARE ALUMINUM POLE	LITHONIA #DSX2-LED-P2-50K-T5M-277-SPA-XX NO SUBSTITUTIONS AD-2	277 VOLT	LED 5000K MIN 24,000LM MAX 185W	POLE MTD 25'-0" AFG	-PROVIDE SSA-22-6-XX POLE OR APPROVED EQUAL
EA3		EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, SQUARE ALUMINUM POLE	LITHONIA #DSX2-LED-P2-50K-LCCO-277-SPA-XX NO SUBSTITUTIONS AD-2	277 VOLT	LED 5000K MIN 24,000LM MAX 185W	POLE MTD 25'-0" AFG	-PROVIDE SSA-22-6-XX POLE OR APPROVED EQUAL
EA4		EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, SQUARE ALUMINUM POLE	LITHONIA #DSX2-LED-P2-50K-TIS-277-SPA-XX NO SUBSTITUTIONS AD-2	277 VOLT	LED 5000K MIN 24,000LM MAX 185W	POLE MTD 25'-0" AFG	-PROVIDE SSA-22-6-XX POLE OR APPROVED EQUAL
EA5		EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, SQUARE ALUMINUM POLE	LITHONIA #DSX2-LED-P2-50K-T3M-277-SPA-XX NO SUBSTITUTIONS AD-2	277 VOLT	LED 5000K MIN 24,000LM MAX 185W	POLE MTD 25'-0" AFG	-PROVIDE SSA-22-6-XX POLE OR APPROVED EQUAL
EB		EXTERIOR LED WALL MOUNTED LIGHT FIXTURE	LITHONIA #WST-P2-50K-VF-277-XX OR APPROVED EQUAL NO SUBSTITUTIONS AD-2	277 VOLT	LED 5000K MIN 3000LM MAX 30W	WALL MTD AS NOTED	-VERIFY FINISH WITH ARCHITECT.
EC		LED 1'X1' CANOPY FIXTURE	LITHONIA #OFM-LED-P1-50K-MVOLT-DDB-HP17-M4 NO SUBSTITUTIONS AD-2	277 VOLT	LED 5000K MIN 4200LM MAX 47W	SURFACE CANOPY MOUNTED	-VERIFY TRIM FINISH WITH ARCHITECT -IC RATED
ED		LED IN-GRADE SITE FIXTURE FOR FLAGPOLE WITH FINISH TO BE SELECTED BY ARCHITECT	HYDREL #M9720C-X-LED-P4-50K-MVOLT-NSP-X-X-X-X-X-LDIM-X NO SUBSTITUTIONS AD-2	277 VOLT	LED 5000K MIN 7000LM MAX 53W	RECESSED IN-GRADE	-VERIFY TRIM FINISH WITH ARCHITECT

EXTERIOR LIGHTING CONTROL SEQUENCE DIAGRAM



NOTES:
PROVIDE ADDITIONAL ACCESSORIES AND UL924 BYPASSES AS REQUIRED TO ACCOMPLISH PROPER EMERGENCY LIGHTING CONTROL. UPON LOSS OF POWER, CONTRACTORS SHALL BE BYPASSED, AND EMERGENCY POWER FIXTURES SHALL BE FULLY ON REGARDLESS OF LIGHTING CONTROL SYSTEM STATE.

VERIFY ACCEPTABILITY OF TIME CLOCK SETTINGS WITH OWNER'S REPRESENTATIVE PRIOR TO START OF WORK.

INTERIOR LIGHTING LUMINAIRE SCHEDULE

TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/ BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
AA		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT4-40L-ADP-EZ1-LP840 COLUMBIA #LCAT24 SERIES METALUX #24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 32W MIN 4000LM	RECESSED LAY-IN	-
AA1		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT4-48L-ADP-EZ1-LP840 COLUMBIA #LCAT24 SERIES METALUX #24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 38W MIN 4800LM	RECESSED LAY-IN	-
AA2		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT4-60L-ADP-EZ1-LP840 COLUMBIA #LCAT24 SERIES METALUX #24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 48W MIN 6000LM	RECESSED LAY-IN	-
AA3		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT4-60L-ADP-EZ1-LP850 COLUMBIA #LCAT24 SERIES METALUX #24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 5000K MAX 48W MIN 6000LM	RECESSED LAY-IN	-
AA4		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT4-72L-ADP-EZ1-LP840 COLUMBIA #LCAT24 SERIES METALUX #24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 61W MIN 7200LM	RECESSED LAY-IN	-
AB		2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT2-40L-ADP-EZ1-LP840 COLUMBIA #LCAT22 SERIES METALUX #22CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 32W MIN 4000LM	RECESSED LAY-IN	-
AB1		2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT2-48L-ADP-EZ1-LP840 COLUMBIA #LCAT22 SERIES METALUX #22CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 48W MIN 4800LM	RECESSED LAY-IN	-
AC		2' X 4' LED LENSED KITCHEN TROFFER FIXTURE WITH INVERTED LENS AND TRIPLE GASKETING	LITHONIA #2GTL4-88L-RW-A19INV-MVOLT-EZ1-LP840-ABC COLUMBIA #LJT24 SERIES METALUX #GR LED SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 65W MIN 8800 LM	RECESSED LAY-IN	-INVERTED LENS AND TRIPLE GASKETING
AE		1' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #BLT4-40L-ADP-EZ1-LP840 COLUMBIA #LCAT24 SERIES METALUX #24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 33W MIN 4000LM	RECESSED LAY-IN/	- AD-2
AE1		1' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #BLT4-48L-ADP-EZ1-LP840 COLUMBIA #LCAT24 SERIES METALUX #24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 40W MIN 4800LM	RECESSED LAY-IN/	- AD-2
AE2		1' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #BLT4-60L-ADP-EZ1-LP840 COLUMBIA #LCAT24 SERIES METALUX #24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 50W MIN 6000LM	RECESSED LAY-IN	- AD-2 AD-2
AE3		1' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #BLT4-30L-ADP-EZ1-LP840 COLUMBIA #LCAT24 SERIES METALUX #24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 16W MIN 3000LM	RECESSED GYPSUM	-PROVIDE WITH DRYWALL GRID ADAPTER (#DGA14)
AE4		1' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #BLT4-40L-ADP-EZ1-LP840 COLUMBIA #LCAT24 SERIES METALUX #24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 33W MIN 4000LM	RECESSED GYPSUM	-PROVIDE WITH DRYWALL GRID ADAPTER (#DGA14)
CA		6" DIAMETER LED DOWNLIGHT WITH SEMI-SPECULAR ALZAK REFLECTOR, IRIDESCENT FREE FINISH, & WHITE FLANGE	LITHONIA #LDN6-40-10-LO6-AR-LSS-MVOLT-EZ10-XX PRESCOLITE #LTR SERIES PORTFOLIO #LD6B SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 11W MIN 1000LM	RECESSED LAY-IN/ GYPSUM	-VERIFY TRIM FINISH WITH ARCHITECT
CA1		6" DIAMETER LED DOWNLIGHT WITH SEMI-SPECULAR ALZAK REFLECTOR, IRIDESCENT FREE FINISH, & WHITE FLANGE	LITHONIA #LDN6-40-15-LO6-AR-LSS-MVOLT-EZ10-XX PRESCOLITE #LTR SERIES PORTFOLIO #LD6B SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 18W MIN 1500LM	RECESSED LAY-IN/ GYPSUM	-VERIFY TRIM FINISH WITH ARCHITECT
PA		4', LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS	LITHONIA #CLX-L48-7000LM-SEF-FDL-MVOLT-GZ10-40K-80CRI-XX-XX METALUX #SNLED SERIES COLUMBIA #MPS SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 49W MIN 7000LM	'Y' CHAIN SUSPEND	-COORD LOCATIONS WITH DUCTWORK & PIPING
PB		LED HIGH BAY FIXTURE WITH WIREGUARD AND SAFETY CABLE	LITHONIA #IBG-24L-SEF-AFL-GND-MVOLT-GZ10-40K-80CRI-WGX-XX-XX COLUMBIA #PEL4 SERIES METALUX #OHB SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 192W 24,000LM	CABLE MTD 6' ABOVE BOTTOM OF STRUCTURE	-PROVIDE WIREGUARD AND SAFETY CABLE
PC		SUSPENDED LED CYLINDER PENDANT	VISA #CP1542-L40-H-MVOLT-XX-XX OR APPROVED EQUAL	120/277 VOLT 0-10V DIM	LED 4000K MAX 16W MIN 1700LM	SUSPENDED VERIFY W/ ARCHITECT	-VERIFY FINISH WITH ARCHITECT
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 JUNO #TEK SERIES OR APPROVED EQUAL	120 VOLT	ONE (1) LED 75W EQUIV PAR 30 PER HEAD	36" STEM MOUNTED TO UNISTRUT	-PROVIDE ALL MOUNTING ACCESSORIES -VERIFY FINISH WITH ARCHITECT.
WA		WALL MOUNTED LED FIXTURE WITH INTEGRAL OCCUPANCY SENSOR CONTROL	LITHONIA #BLWP4-30L-ADP-EZ1-LP835-NESPDT7-DIM50 COLUMBIA #ESL4035-VW-FA-W-ED-U-NXOS OR APPROVED EQUAL	120 VOLT	LED 3500 K MIN 3000 LM MAX 25 W	WALL MTD.	-VERIFY MOUNTING HEIGHT AND FINISH WITH ARCHITECT.
XA		SINGLE FACE EXIT AC ONLY	DUAL-LITE #SE-S-R-X LITHONIA #LE-S-X-1-R-X SURE-LITES #CX SERIES AD-2	120/277 VOLT	LED MAX 3W	CEILING/ WALL	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED
XB		DUAL FACE EXIT AC ONLY	DUAL-LITE #SE-D-R-X LITHONIA #LE-S-X-2-R-X SURE-LITES #CX SERIES	120/277 VOLT	LED MAX 3W	CEILING/ WALL	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED
EM		FIXTURE ON EMERGENCY CIRCUIT WITH 90 MINUTE, 1400 LUMEN OUTPUT BATTERY UNIT OR INVERTER	BODINE FACTORY INSTALLED DRIVER OR MYERS LV SERIES INVERTER	120/277 VOLT	-	IN FIXTURE/ REMOTE	-PROVIDE TEST SWITCH AND CHARGING INDICATOR
NL		CONSTANT HOT, UNSWITCHED NIGHT LIGHT FIXTURE					

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PROJECT
TIMOTHY BALL ES ADDITION AND RENOVATIONS

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PROJECT 21-112
DATE 02/07/21
COORDINATED BY SM
DRAWN BY AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-1	02/17/22	ADDENDUM NO. 1
AD-2	02/24/22	ADDENDUM NO. 2

DRAWING
ELECTRICAL SCHEDULES, NOTES, DETAILS & DIAGRAMS

PROJECT
TIMOTHY BALL ES ADDITIONS AND RENOVATIONS

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