



Central Falls High School

100% Construction Documents

Central Falls, RI
Ai3 Project #2202.02

Addendum #4

January 16, 2024

The attention of Bidders submitting proposals for Central Falls High School 100% Construction Documents is called to the following changes to the Bidding Contract Documents dated October 13, 2023 as prepared by Ai3 Architects, LLC. The items set forth therein below, whether of revision, omission, addition, substitution or clarification are all to be included as changes to Information to Bidders, the Conditions of the Contract, Specifications and Drawings of the Contract.

The number of this Addendum (Number 4) must be entered in the appropriate spaces provided on the Bid Form.

CLARIFICATIONS:

- ADD 4-001** **Bidder Question:** Drawing A1.52 is tagged as 1/8"=1'-0". This does not appear to be correct. The scale appears to be 1/16"=1'-0". Please confirm. **Response:** Drawing A1.52 is attached and printed at full scale. No other changes.
- ADD 4-002** **Bidder Question:** Please confirm which strength LW mix will be required at the slabs on deck. Spec section 03 30 00 para . 2.3/D.1 calls for 3,500 psi LW and Note #4 on S0.01 under Section D. Cast-in Place Concrete calls for 4,000 psi LW. **Response:** Use 4,000 psi LW.
- ADD 4-003** **Bidder Question:** Please provide a column schedule on the structural drawings. **Response:** There is no need for a column schedule, columns and their baseplates are called off in the plans and are not spliced.
- ADD 4-004** **Bidder Question:** Please confirm desired spacing for construction joints in the slab on grade. **Response:** There is no required spacing for interior slab on grade construction joints.

Central Falls High School
100% CONSTRUCTION DOCUMENTS
Central Falls, RI
ADD #4-- PAGE 1

Plan for joint spacings that are reasonable for constructability and placement timelines.

- ADD 4-005** **Bidder Question:** Det 3/A5.21 Smoke Evac Hatch appears to missing some components/details. Please review and provide revised detail. **Response:** See attached drawing A5.21 for revisions.
- ADD 4-006** **Bidder Question:** Specifications include section 08 35 15 Sliding Glass Doors. Upon review of the drawings we cannot find any sliding glass doors. Please confirm there are no sliding glass door assemblies. **Response:** Confirmed there are no sliding glass doors in the scope of work. Refer to attached specifications for revisions.
- ADD 4-007** **Bidder Question:** Spec calls out a flat lead post. The drawings clearly show a narrow lead post. Please clarify if flat lead post (no pocket door) per spec or narrow lead post (pocket door by others) per drawings is required. Section 2.3/B-3 notes a Modbus control for remote control/monitoring. Please confirm if Modbus control is required. **Response:** Doors will have a narrow lead post. Refer to the attached updated specifications and details for the pocket door by others. The Modbus control is required.
- ADD 4-008** **Bidder Question:** Door 131-01 for Electric Rm 131 calls for a pair of doors (3'0"x 7'0") type AA. Door Frames is a F2.2 which is 4'-4"wide. Should the door overall width be 206x700 similar to 120-03 Admin Corridor? Or is the frame type incorrect? **Response:** Door 131-01 overall width is updated to align with Door Frame F2.2. Refer to attached updated drawings.
- ADD 4-009** **Bidder Question:** Looking through the details of the exterior storefront frames, we noticed there are some frames with a 4 ½" system and others that show a 6 ½" system. The storefront types page/ elevations give no indication of which depth the frames are. Do you know which frames are to be 4 ½" and which are to be 6 ½"? **Response:** Refer to the window schedules for the corresponding details which identify which systems are 4 ½" or 6 ½".
- ADD 4-010** **Bidder Question:** The exterior storefront details show a receptor system, which is not required. Can we eliminate the receptor and qualify? **Response:** Receptor system shall be provided per the bid documents.
- ADD 4-011** **Bidder Question:** The ballistic interior frames at the vestibules on page A1.12 / the door schedule look like pairs but have a removable mullion. Do they want (4) 36" door openings as

individual single doors or (2) 72" door openings for pairs of doors here. **Response:** (4) 36" door openings as individual single doors.

- ADD 4-012** **Bidder Question:** Gender Neutral Locker Rm calls for VWCR on the finish schedule. Elevations of this space indicate painted drywall. Please clarify if VWCR is required. **Response:** Refer to attached drawings for revisions in the room finish schedule.
- ADD 4-013** **Bidder Question:** Toilet Rm T105 Finish Schedule calls for VWCR on all walls. Elevations only show on wet wall as per the GN#6 on A7.01. This occurs a few times. Please clarify if we should follow the elevations or the finish schedule. **Response:** Refer to elevations for accurate VWCR locations and attached drawings for revisions in the room finish schedule.
- ADD 4-014** **Bidder Question:** Stair 1, 2, 3, 4 and 5 all call for VWCR on the Finish Schedule. All the elevations for the stairs only indicate painted drywall. Please clarify if VWCR is required in the stair wells. **Response:** Refer to attached drawings for revisions in the room finish schedule.
- ADD 4-015** **Bidder Question:** Trainers Rm 230B calls for VWCR on all walls. There are no elevations for this room. Please advise which type of VWCR is required – Type 1 thru Type 5. **Response:** Type 5
- ADD 4-016** **Bidder Question:** Finish schedule lists a Boys Toilet T205. I cannot find this room on the floor plans. Please confirm there is no Boys Toilet T205. **Response:** There is NO Boys Toilet T205 ROOM. Refer to the attached drawings for revisions in the room finish schedule.
- ADD 4-017** **Bidder Question:** Page A1.22 says 1/8" scale, however, none of the measurements are to this scale. It seems the measurements shown are 1/16" scale. Please advise what is the correct scale for Page A1.22, and re-issue with correct scale. **Response:** Drawing A1.22 is attached and printed at full scale. No other changes.
- ADD 4-018** **Bidder Question:** The interior gym elevations reference detail 4/A10.16 on the acoustic tectum wall panels. Please confirm this should be detail 4/A10.13. **Response:** Details should reference detail 4/A10.13. Refer to attached revised drawings.
- ADD 4-019** **Bidder Question:** Section 102239 Folding panel partitions. This section is not noted on the drawings. Please confirm this section is being used for 102228.1 noted on the drawings. **Response:** Refer to attached drawings for keynote revisions to the folding panel partition.

- ADD 4-020** **Bidder Question:** Section 102239, Section 2.3 has notes stating 52 STC, 46 NIC and 42 NIC. NIC ratings are normally 10 points lower than the STC rating. Please confirm if 42 or 46 NIC is required. **Response:** Refer to Specifications below.
- ADD 4-021** **Bidder Question:** Section 102239 - Same section notes the contractor is to arrange NIC testing. Normally NIC testing is performed by the owner at their discretion. Please confirm if NIC testing to be by the owner, contractor or subcontractor (operable wall supplier)? **Response:** Refer to Specifications below.
- ADD 4-022** **Bidder Question:** Section 102239 - Section 2.4/A-3 notes the finish to be carpet but not the type. Please confirm if the carpet is manufacturers standard or other. If other please supply the manufacturer and pattern. **Response:** Refer to Specifications below.
- ADD 4-023** **Bidder Question:** Plan detail 6/A10.12A shows a split finish. Please supply what each finish is to be. **Response:** Finishes to be selected by Architect upon submittal of selection samples.
- ADD 4-024** **Bidder Question:** The door schedule notes which locations are to receive manual roller shades or a motorized shade. There where 10 door frames that have side lites that were not called to receive a roller shade. Upon looking at the enlarged plans for these doors some did call for a roller shade and some did not. Was it the intent that all the doors with side lites are to receive a roller shade? Please advise. **Response:** Not all doors with side lites will receive a roller shade. Refer to attached drawings for revisions to the door schedule and enlarged plans/elevation.
- ADD 4-025** **Bidder Question:** The Site Investigation Report prepared by Sage, dated May 2023, describes the findings of hazardous materials in the site soils. This report goes on to make 3 recommendations (alternatives) for the containment of this hazardous material for the future site development of the Central Falls High School. The report details that capping the existing soil materials on site was the preferred, most cost effective remedial alternative and goes on to outline how this remedial action should be implemented. The contract documents make no reference to any of this work. Please confirm the existing soils are to be handled based the proposed Alternative 3 provided in the Sage Site Investigation Report. **Response:** Refer to Addendum #3

- ADD 4-026** **Bidder Question:** (RAWP) Furthermore, page 22 of this report states “a preliminary redevelopment and capping design plan will be provided as part of the Remedial Action Work Plan”. Are the capping design plan and RAWP already developed? If so please provide these documents. **Response:** Refer to Addendum #3
- ADD 4-027** **Bidder Question:** The Geotech Report prepared by Lahlaf dated August 4, 2023, states that the existing subsurface conditions are not suitable to support shall foundations due to the amount/depths of organic materials. The report goes on to make recommendations for ground improvements under the building foundations, slab on grade, retaining walls and utilities by way of aggregate piers and/or rigid inclusions. The contract documents do not refer to any of this work (with the exception of the Summary of Work - 00 21 13/1.2/A.1), please provide a scope of work and more information on any ground improvements required for this project. Also, the Earthwork spec calls for a removal and replacement of unsuitable materials under the building footprint, paved and landscaping areas. This contradicts what is recommended in the Geotech report. **Response:** Ground improvements are required. Revisions and Additions to the specifications for clarification of Earthwork and Ground Improvements scope will be included in full in a subsequent Addendum.
- ADD 4-028** **Bidder Question:** Alternate 5 references a “freight farm”. Can you direct us to or provide a specification for this? **Response:** Refer to attached Specification Section 13 34 33 Environmentally-Controlled Hydroponic Containerized Farming Units
- ADD 4-029** **Bidder Question:** Spec section 00 21 13 Instructions to bidders – Para 1.11 calls for “A policy of professional liability or errors and omissions insurance covering any and all work performed under any contract between the City and bidder naming said bidder shall be attached hereto. Please confirm this requirement only pertains to delegated design and the GC’s (trade) subcontractor’s liability insurance will suffice. Most GC’s do not carry Errors and Omissions insurance as they are not designing anything themselves. **Response:** The General Contractor shall carry Errors and Omissions coverage as per the bid documents.
- ADD 4-030** **Bidder Question:** Central Falls Ordinance, Chapter 2, Article 3, Division 2, Section 2.83 requires a “goal” to award a minimum of

25% of the dollar value of the entire procurement or project for every city bid or project in excess of \$10,000. Also, recovery by the city of 25% of the contract award price as liquidated damages for noncompliance. Considering there is a Project Labor Agreement, there is not a pool of certified and qualified union minority subcontractors we can utilize to meet the specified requirements. We therefore request the City allow a good faith effort with goals of 10% combined MBE/WBE participation and no recovery clause as this is a goal and not a requirement. **Response:** To be answered in subsequent Addendum.

ADD 4-031 **Bidder Question:** No liquidated damage amount can be found in the documents. Will the contract include liquidated damages and if so, what is the amount and conditions?

Response: To be answered in subsequent Addendum.

ADD 4-032 **Bidder Question:** Alternate #5 calls for the General Contractor to "provide and install the Freight Farm Unit". Drawing L1.21C shows the location of the Freight Farm but there is no further information. Please provide a more information on what will be required for the Freight Farm unit, i.e., specification and details for the concrete pad. **Response:** Refer to Addendum #3

ADD 4-033 **Bidder Question:** Spec section 13 34 23 calls for a Pre-Engineered Restroom Building. This building does not appear to be shown any where on the drawings. Please confirm this building is to be part of the project, if so please provide more information on what will be required for utilities, foundations, etc. **Response:** Refer to Addendum #3

ADD 4-034 **Bidder Question:** Drawing L1.21 shows a sewer line and water line running to a box with a notation "Future location of Concession Facility". Please confirm that this concession facility is not part of this project. **Response:** Refer to Addendum #3

ADD 4-035 **Bidder Question:** Door 112C-01 (Office/Meeting Space) call for hardware set #33 according to the door schedule on A6.00A. There is no hardware set #33 in spec section 0871000. Please provide the necessary information on hardware set #33. Door ST7-3-01 at Stair 7/Ramp 1 calls for hardware set #2.1 according to the door schedule. There is no hardware set #2.1. Please provide the necessary information on set 2.1. **Response:** Door 112C-01 to have hardware set #36.0 and Door ST7-3-01 to have hardware set #7.0. Refer to attached updated drawings.

- ADD 4-036** **Bidder Question:** On drawing TH.01, ADC 283-N Track (Single end pull w/ 3" trim chain) is listed for lineset #17 (CYC). The spec calls out all three in 116100-5.01-C.1, but only 2 sets of this track in 116100-5.08-A.6. Please confirm if this track is to also be provided for the CYC Lineset. **Response:** Refer to Addendum #3
- ADD 4-037** **Bidder Question:** Could the AV equipment listed in Section 116100 - Theatre and Stage Equipment be broken out into its own section? **Response:** Equipment to remain as specified per the bid documents.
- ADD 4-038** **Bidder Question:** The Schedule on drawing TH.01&2 Lists 4 Stage electrics with 51' Connector Strips, but the oneline on TH.03 calls out 56' Connector Strips. Please confirm the length of these connector strips. **Response:** Refer to Addendum #3
- ADD 4-039** **Bidder Question:** Section 116100-2.07 calls out 4- 5 button stations (ESA-#) and 2- 2 button stations (ESB-#), however there are three of each on drawing TH.04. Please confirm the quantity of each type. **Response:** TH.03 and TH.04 both call out and show the locations of (3) five-button stations and (3) two-button stations. Furnish these quantities.
- ADD 4-040** **Bidder Question:** Earthwork Spec 31 00 00 para. 1.6/A states "the Contractor shall refer to Section 00 31 32" in reference to existing site conditions, this section is not part of the contract documents. **Response:** Revisions to the specifications section 31 00 00 will be included in a subsequent Addendum.

SPECIFICATIONS:

- ADD 4-041** Document 00 01 10 "Table of Contents"; REMOVE in entirety and REPLACE with new Document 00 01 10, dated January 16, 2024, Addendum #4.
- ADD 4-042** Document 00 73 16 "Insurance Requirements"; REMOVE in entirety and REPLACE with new Document 00 73 16, dated January 16, 2024, Addendum #4.
- ADD 4-043** Section 01 23 00 "Alternates", Article 1.4, Paragraph E.2.; ADD the following sentence at end of subparagraph: "Refer to Section 13 34 33 - Environmentally-Controlled Hydroponic Containerized Farming Units [ADD #4]"
- ADD 4-044** Section 06 40 00 "Architectural Woodwork", Article 1.1, Paragraph A, ADD new subparagraph 6, as follows:
6. Pocket doors for Accordion folding fire doors" [ADD #4].

- ADD 4-045** Section 06 40 00 "Architectural Woodwork", ADD new Article 2.11: "Fabrication pocket doors for accordion folding fire doors", as follows:
- 2.11 FABRICATION POCKET DOORS FOR ACCORDION FOLDING FIRE DOORS [ADD #4]
- A. Coordinate door requirements with Section 08 35 15 – Accordion Folding Fire Doors, details on drawings, and the following criteria:
1. Pocket doors shall be frameless side hinge swinging door, and capable of opening 90 degrees minimum. Doors cannot encroach on accordion door pocket.
 2. Doors must be operable (open) with less than 50 pounds of lateral force.
 3. Hinge: continuous stainless steel hinge.
 4. Provide magnetic catch to keep pocket doors closed, with no greater than 30 pounds hold loading.
 5. Provide doors with bumper mounted on interior side of pocket door, located 3 inches above finish flooring.
- ADD 4-046** REMOVE Section 08 35 15 "Sliding Glass Panels" in entirety per Addendum #4; not in project scope.
- ADD 4-047** Section 08 35 23 "Accordion Folding Fire Doors" Article 1.2, ADD new Paragraph D: "Section 06 40 00 – Architectural Woodwork."
- ADD 4-048** Section 08 35 23 "Accordion Folding Fire Doors" Article 2.1, Paragraph A, DELETE the word "Flat" and REPLACE with the word "narrow".
- ADD 4-049** Section 08 35 23 "Accordion Folding Fire Doors" Article 2.2, Paragraph C, subparagraph 2, DELETE the word "Flat" and REPLACE with the word "narrow".
- ADD 4-050** Section 10 22 39, "Folding Panel Partitions", Article 2.3, Paragraph A.1.a; DELETE text "NIC 46" and REPLACE with "NIC 42".
- ADD 4-051** Section 10 22 39, "Folding Panel Partitions", Article 2.3, Paragraph B.1; NO CHANGE (Contractor is responsible to obtain independent NIC testing and furnish payment for same.)
- ADD 4-052** Section 10 22 39, "Folding Panel Partitions", Article 2.4, Paragraph A.3; DELETE text "Acoustical, non-woven needle punch carpet, with fused fibers to prevent unraveling or fray of material" and REPLACE with: "Two finishes to be selected by Architect, refer to Drawing A10.12A for extent of finishes".

ADD 4-053 *ADD NEW, Section 13 34 33 “Environmentally-Controlled Hydroponic Containerized Farming Units” dated January 16, 2024, Addendum #4 and bound herewith this Addendum.*

DRAWINGS:

ADD 4-054 *A0.02 – MASTER KEYNOTE LIST*

ADD 4-055 *A1.22 – SECOND FLOOR PLAN - ZONE B*

ADD 4-056 *A1.23 – SECOND FLOOR PLAN – ZONE C*

ADD 4-057 *A1.52 – ROOF PLAN ZONE B*

ADD 4-058 *A5.21 – TYPICAL ROOF DETAILS*

ADD 4-059 *A6.00A – DOOR SCHEDULE*

ADD 4-060 *A6.00B – DOOR SCHEDULE*

ADD 4-061 *A6.12 – ACCORDIAN FOLDING DOOR DETAILS*

ADD 4-062 *A7.01 – ROOM FINISH SCHEDULE*

ADD 4-063 *A9.33 – CTE BIOMEDICAL ENLARGED PLANS AND INTERIOR ELEVATIONS*

ADD 4-064 *A10.12A – FITNESS CENTER APE ENLARGED PLAN AND INTERIOR ELEVATIONS*

ADD 4-065 *A10.12B – O.T./P.T. REFLECTED CEILING PLAN AND DETAILS*

ADD 4-066 *A10.13 – GYMNASIUM DETAILS*

ADD 4-067 *A10.14 – GYMNASIUM DETAILS*

ATTACHMENTS:

ADD 4-068 *SECTION 00 01 10 – TABLE OF CONTENTS*

ADD 4-069 *SECTION 00 73 16 – INSURANCE REQUIREMENTS*

ADD 4-070 *SECTION 13 34 33 – ENVIRONMENTALLY-CONTROLLED HYDROPONIC CONTAINED FARMING UNITS*

MASTER KEYNOTE LEGEND

Table with 2 columns: Keynote number and description. Includes items like CONCRETE, WOOD BLOCKING, STEEL COLUMN, etc.

MASTER KEYNOTE LEGEND

Table with 2 columns: Keynote number and description. Includes items like WOOD BLOCKING, ACCESS PANEL, POLYMER MODIFIED CEMENT, etc.

MASTER KEYNOTE LEGEND

Table with 2 columns: Keynote number and description. Includes items like ACCESS PANEL, ACCESS PANEL - ACOUSTIC, OVERHEAD COLING GRILLE, etc.

MASTER KEYNOTE LEGEND

Table with 2 columns: Keynote number and description. Includes items like BULLET RESISTANT PANEL, PAPER TOWEL DISPENSER, SOAP DISPENSER, etc.



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CENTRAL FALLS HIGH SCHOOL 10 HINGGSON AVE, CENTRAL FALLS, RI

KEYNOTE LEGEND:

Table with 2 columns: Keynote number and description. Includes items like KEYNOTE LEGEND, KEY PLAN NORTH ARROW, etc.

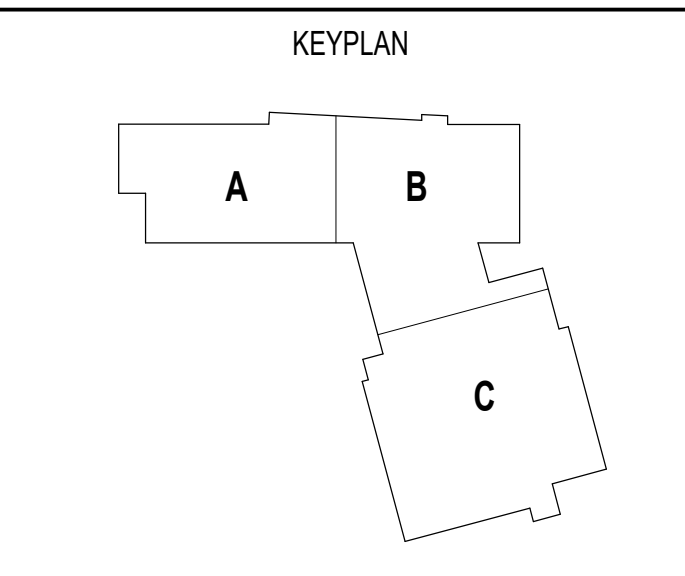
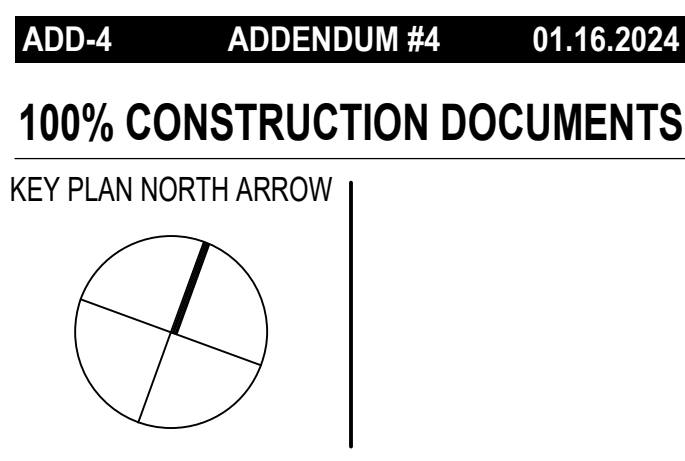
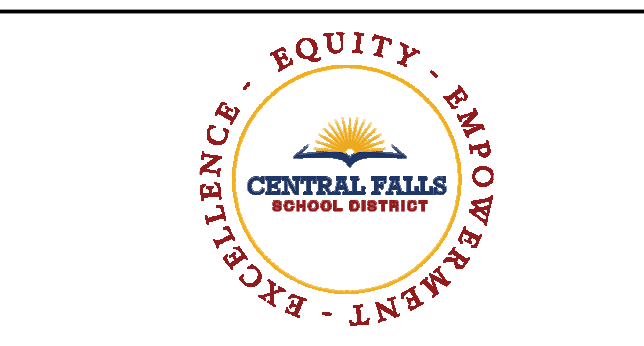
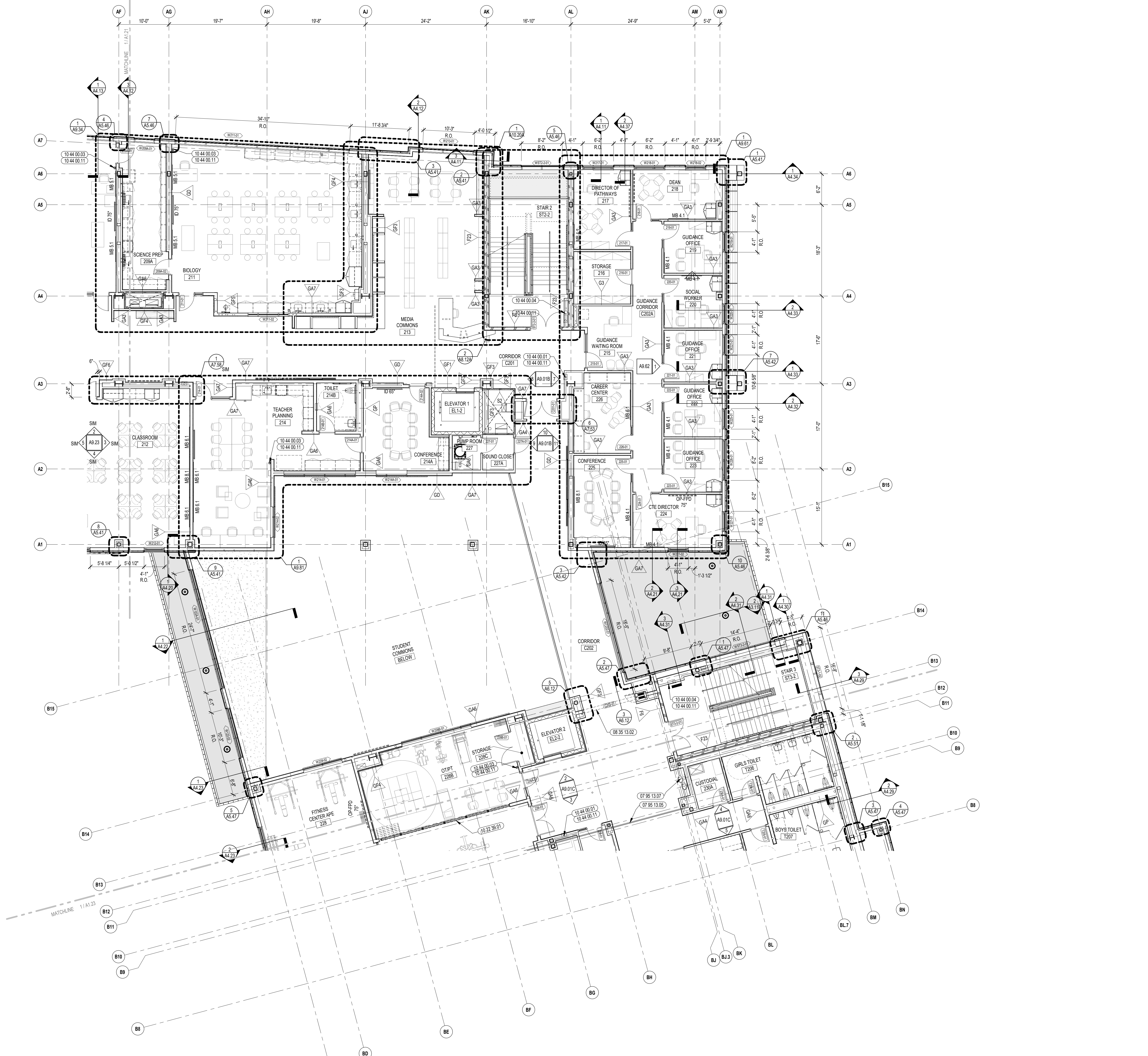


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CENTRAL FALLS HIGH SCHOOL
10 HIGGINSON AVE, CENTRAL FALLS, RI

KEYNOTE LEGEND:

07 95 13 05	EXPANSION JOINT COVER - 2 INCH - INTERIOR - FLOOR / FLOOR
07 95 13 07	EXPANSION JOINT COVER - 3 INCH - INTERIOR - FLOOR / FLOOR
08 35 13 02	ACCORDION FOLDING DOOR - FIRE
10 22 29 01	VERTICALLY RETRACTABLE ACOUSTICAL WALL PARTITION - TYPE 1
10 44 00 01	FIRE EXTINGUISHER CABINET - FULLY RECESSED
10 44 00 03	FIRE EXTINGUISHER WALL MOUNTED BRACKET
10 44 00 04	FIRE EXTINGUISHER AND VALVE CABINET - FULLY RECESSED
10 44 00 11	FIRE EXTINGUISHER

GENERAL NOTES:

1. SECOND FLOOR ELEVATION = 114' - 0"
2. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF MASONRY, AND/OR CENTERLINE OF COLUMN, U.N.O.
3. REFER TO SHEET A7.51 FOR FIRE EXTINGUISHER MOUNTING HEIGHTS.

100% CONSTRUCTION DOCUMENTS

KEY PLAN NORTH ARROW

KEYPLAN

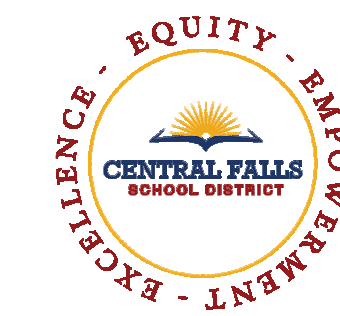
DRAWING NAME:

SECOND FLOOR PLAN - ZONE B

DRAWN BY: CHR / BFC
REVIEWED BY: CHR / KK

SCALE: AS INDICATED | DRAWING NUMBER: **A1.22**
JOB NO.: 2202.02
DATE: OCTOBER 13, 2023

1 SECOND FLOOR PLAN - ZONE B
1/8" = 1'-0"



CENTRAL FALLS HIGH SCHOOL
10 HIGGINSON AVE, CENTRAL FALLS, RI

KEYNOTE LEGEND:

- 07 95 13.05 EXPANSION JOINT COVER - 2 INCH - INTERIOR - FLOOR / FLOOR
- 07 95 13.07 EXPANSION JOINT COVER - 3 INCH - INTERIOR - FLOOR / FLOOR
- 08 35 13.02 ADDITION FOLDING DOOR - FIRE
- 10 22 39.01 FOLDING PANEL PARTITION - TYPE 1
- 10 44 00.01 FIRE EXTINGUISHER CABINET - FULLY RECESSED
- 10 44 00.03 FIRE EXTINGUISHER WALL MOUNTED BRACKET
- 10 44 00.04 FIRE EXTINGUISHER AND VALVE CABINET - FULLY RECESSED
- 10 44 00.11 FIRE EXTINGUISHER

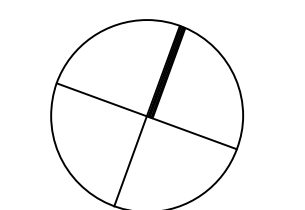
GENERAL NOTES:

1. SECOND FLOOR ELEVATION = 114' - 0"
2. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF MASONRY, AND/OR CENTERLINE OF COLUMN, U.N.O.
3. REFER TO SHEET A7.51 FOR FIRE EXTINGUISHER MOUNTING HEIGHTS.

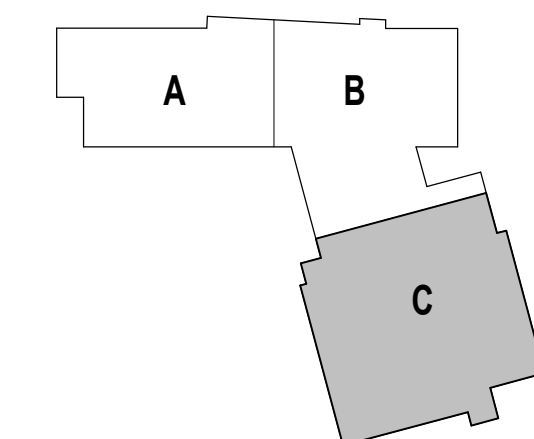
ADD-4 ADDENDUM #4 01.16.2024

100% CONSTRUCTION DOCUMENTS

KEY PLAN NORTH ARROW



KEYPLAN



DRAWING NAME:

**SECOND FLOOR
PLAN - ZONE C**

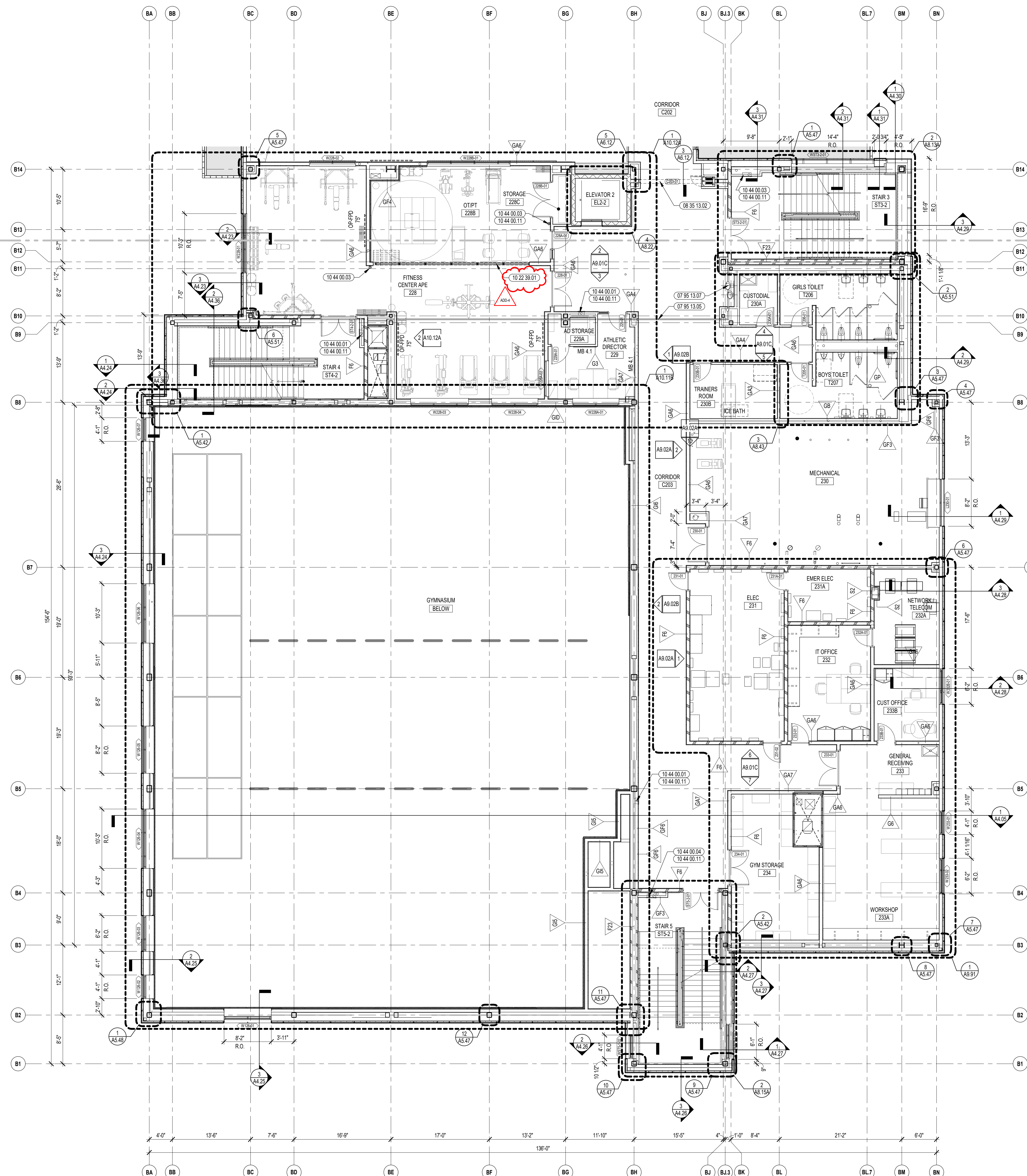
DRAWN BY: MS / CHR / BFC

REVIEWED BY: CHR / KK

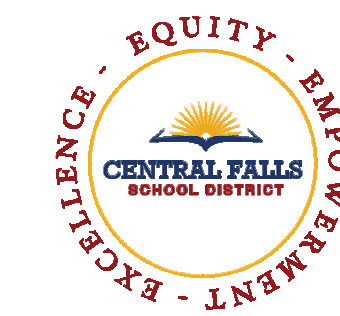
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JOB NO.: 2202.02

DATE: OCTOBER 13, 2023 **A1.23**



1 SECOND FLOOR PLAN - ZONE C
1/8" = 1'-0"



CENTRAL FALLS HIGH SCHOOL
10 HIGGINSON AVE, CENTRAL FALLS, RI

KEYNOTE LEGEND:

- 05 50 00.94 ROOF ACCESS LADDER - EXTERIOR
- 07 54 19.01 PVC SINGLE PLY MEMBRANE ROOFING
- 07 54 19.80 WALKWAY PADS
- 07 72 00.70 SAFETY RAILING SYSTEM

ROOF LEGEND

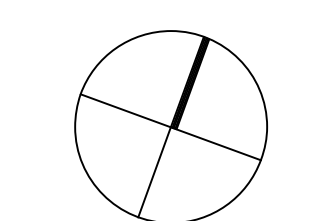
- ROOF CRICKET - TAPERED RIGID ROOF INSULATION - SLOPE 1/4" PER FOOT MIN.
- ROOF DRAIN LOCATION - SEE DETAIL 1 / A5.21
- EXHAUST FAN LOCATION - REFER TO MECHANICAL DRAWINGS FOR FURTHER INFORMATION
- MECHANICAL UNIT - REFER TO MECHANICAL DRAWINGS FOR FURTHER INFORMATION
- ROOF MOUNTED MECHANICAL UNIT LOCATION - REFER TO MECHANICAL FOR FURTHER INFORMATION
- 24" X 36" WALK BOARDS (07 53 23.20)

GENERAL NOTES:

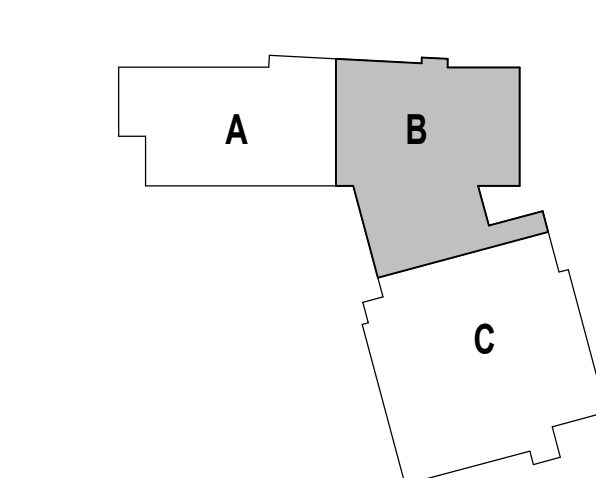
1. STEEL ROOF DECKS, UNLESS NOTED TO BE FLAT, OR DETAILED OTHERWISE ARE INTENDED TO SLOPE 1/4" PER FOOT MINIMUM TO DRAIN/LOWPOINTS. SLOPE MAY BE GREATER THAN 1/4" PER FOOT DUE TO FINAL STEEL ELEVATIONS.
2. SEE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS/SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS.
3. REFER TO MANUFACTURERS STANDARD ROOFING REQUIREMENTS TO MEET THE SPECIFIED WARRANTY.

100% CONSTRUCTION DOCUMENTS

KEY PLAN NORTH ARROW



KEYPLAN



DRAWING NAME:

ROOF PLAN ZONE B

DRAWN BY: CHR / BFC

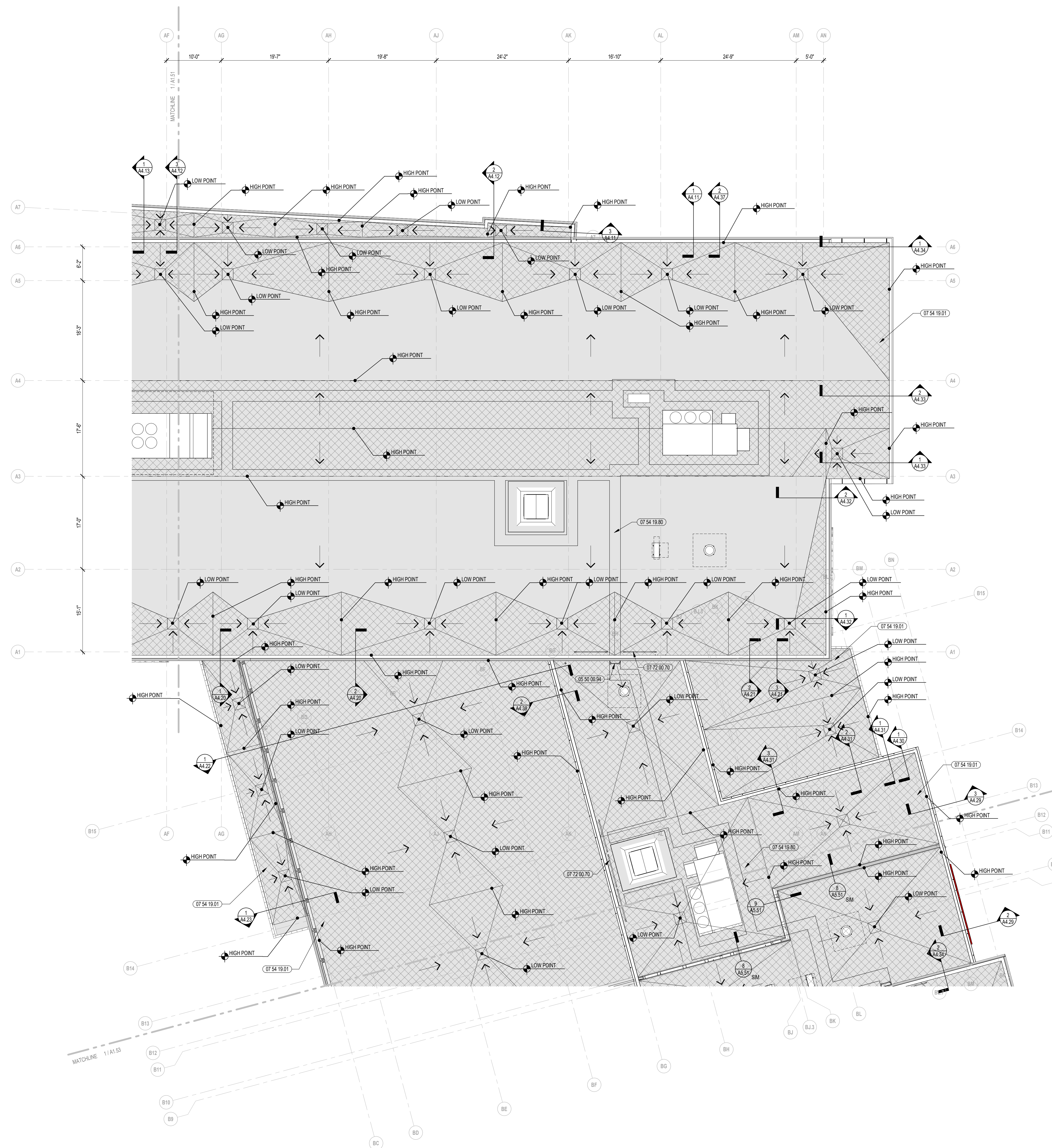
REVIEWED BY: CHR / KK

SCALE: AS INDICATED | DRAWING NUMBER:

JOB NO.: 2202.02

DATE: OCTOBER 13, 2023

A1.52



1 ROOF PLAN - ZONE B
1/8" = 1'-0"



CENTRAL FALLS HIGH SCHOOL
10 HIGGINSON AVE, CENTRAL FALLS, RI

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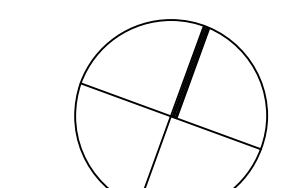
KEYNOTE LEGEND:

- 03 30 00.08 CONCRETE PAD - SEE STRUCTURAL
- 05 12 00.01 STEEL BEAM - SEE STRUCTURAL
- 05 31 00.11 STEEL CHANNEL - SEE STRUCTURAL
- 05 31 00.11 STEEL ROOF DECK - 3 INCH GALVANIZED - SEE STRUCTURAL
- 05 50 00.03 ROOF ACCESS LADDER - INTERIOR
- 06 10 00.04 WOOD BLOCKING - (2X) CONTINUOUS - PRESSURE TREATED - SIZE AS REQUIRED - ESTABLISH LEVEL INSTALLATION SURFACE FOR ROOFTOP CURB
- 06 10 00.11 WOOD BLOCKING - (2X) PRESSURE TREATED - SIZE AS NOTED OR DRAWN
- 06 10 00.21 WOOD BLOCKING - (2X) FIRE RETARDANT TREATED - SIZE AS NOTED OR DRAWN
- 06 10 00.42 PLYWOOD PRESSURE TREATED - 1/2 INCH FOAMED IN PLACE INSULATION / AIR BARRIER
- 07 54 19.01 PVC SINGLE PLY MEMBRANE ROOFING
- 07 54 19.03 POLYISO RIGID INSULATION
- 07 54 19.04 POLYISO TAPERED INSULATION
- 07 54 19.05 FLASHING MEMBRANE
- 07 54 19.09 SHEET VAPOR RETARDER - TAPE SEAMS
- 07 54 19.12 BLIND WALKER
- 07 54 19.14 STAINLESS STEEL HOSE CLAMP
- 07 54 19.90 ADHESIVE
- 07 54 19.91 SEALANT - CONTINUOUS
- 07 54 19.92 HOT AIR WELD
- 07 71 00.01 FACTORY FABRICATED FASCIA TRIM/ROOF EDGE - CUSTOM COLOR
- 07 72 00.02 ROOF SCUTTLE - TYPE 2 - X-X' x X-X'
- 07 72 00.10 NEOPRENE GASKET ENTIRE PERIMETER TYP.
- 07 72 00.12 SPRING LATCH W/ HANDLE AND PADLOCK HASP ON INSIDE
- 07 72 00.13 PADLOCK HASP
- 07 72 00.40 WELDED ALUMINUM CURB
- 07 72 00.80 HEAT AND SMOKE VENT - 5'-0" x 10'-0"
- 09 29 00.99 GYPSUM BOARD SYSTEM - LEVEL 4 FINISH - REFER TO FLOOR PLANS AND WALL TYPES FOR COMPONENTS
- 22 00 00.20 ROOF DRAIN ASSEMBLY - SEE PLUMBING
- 22 00 00.22 DRAIN PIPE - SEE PLUMBING
- 23 00 00.06 ROOF TOP UNIT - SEE HVAC

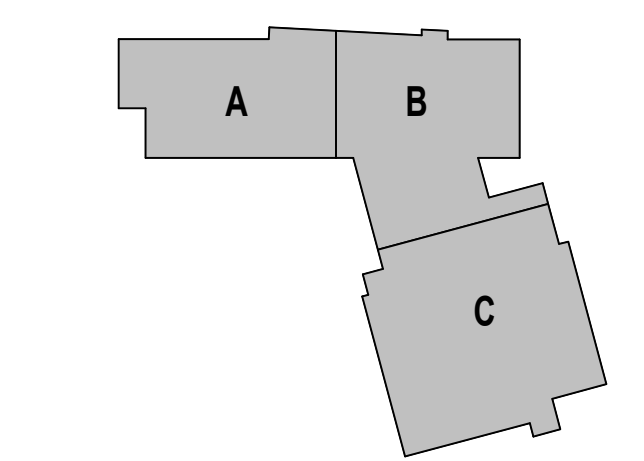
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KEY PLAN NORTH ARROW



KEYPLAN



DRAWING NAME:

TYPICAL ROOF DETAILS

DRAWN BY: BFC / CHR

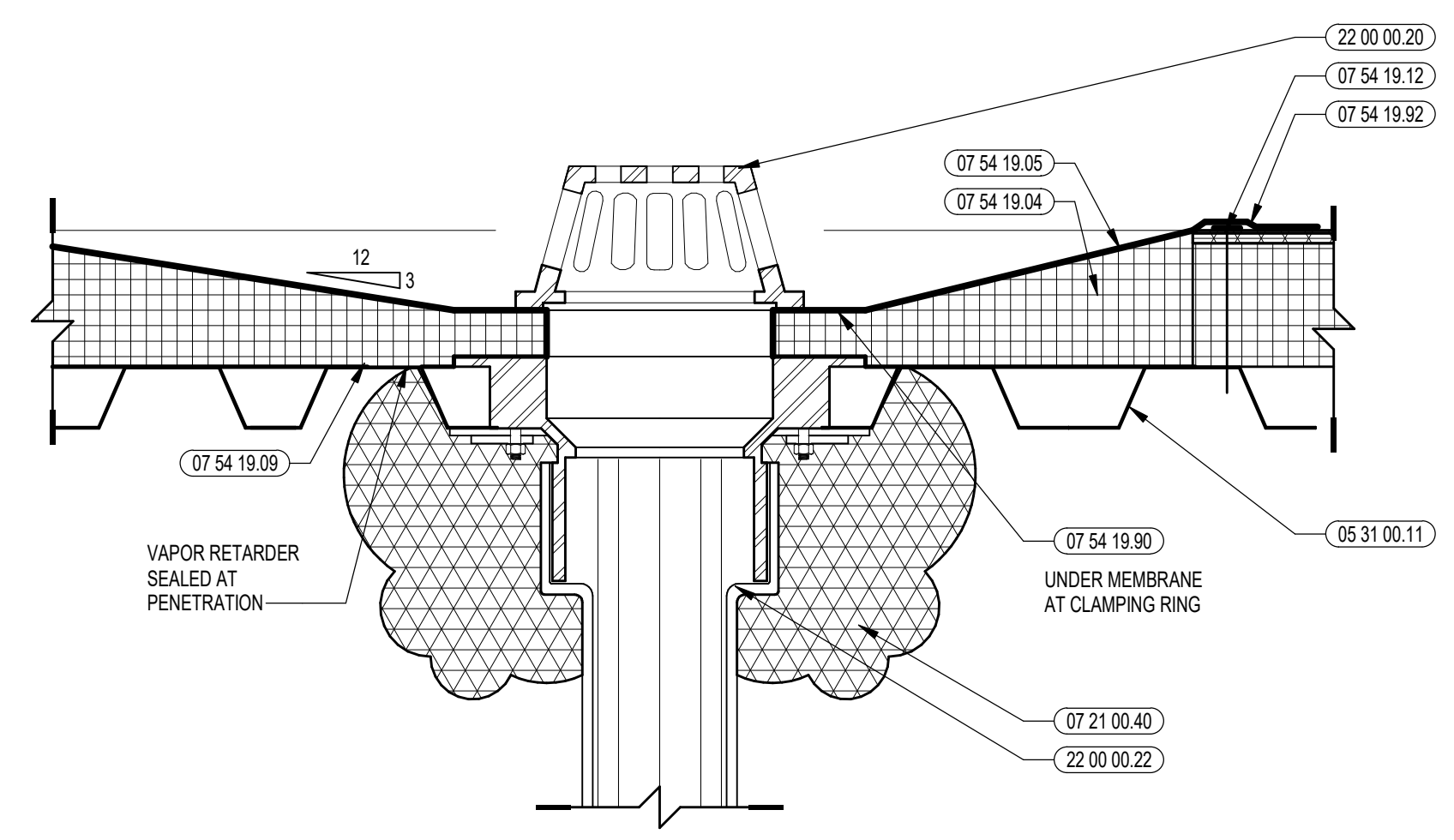
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SCALE: AS INDICATED | DRAWING NUMBER:

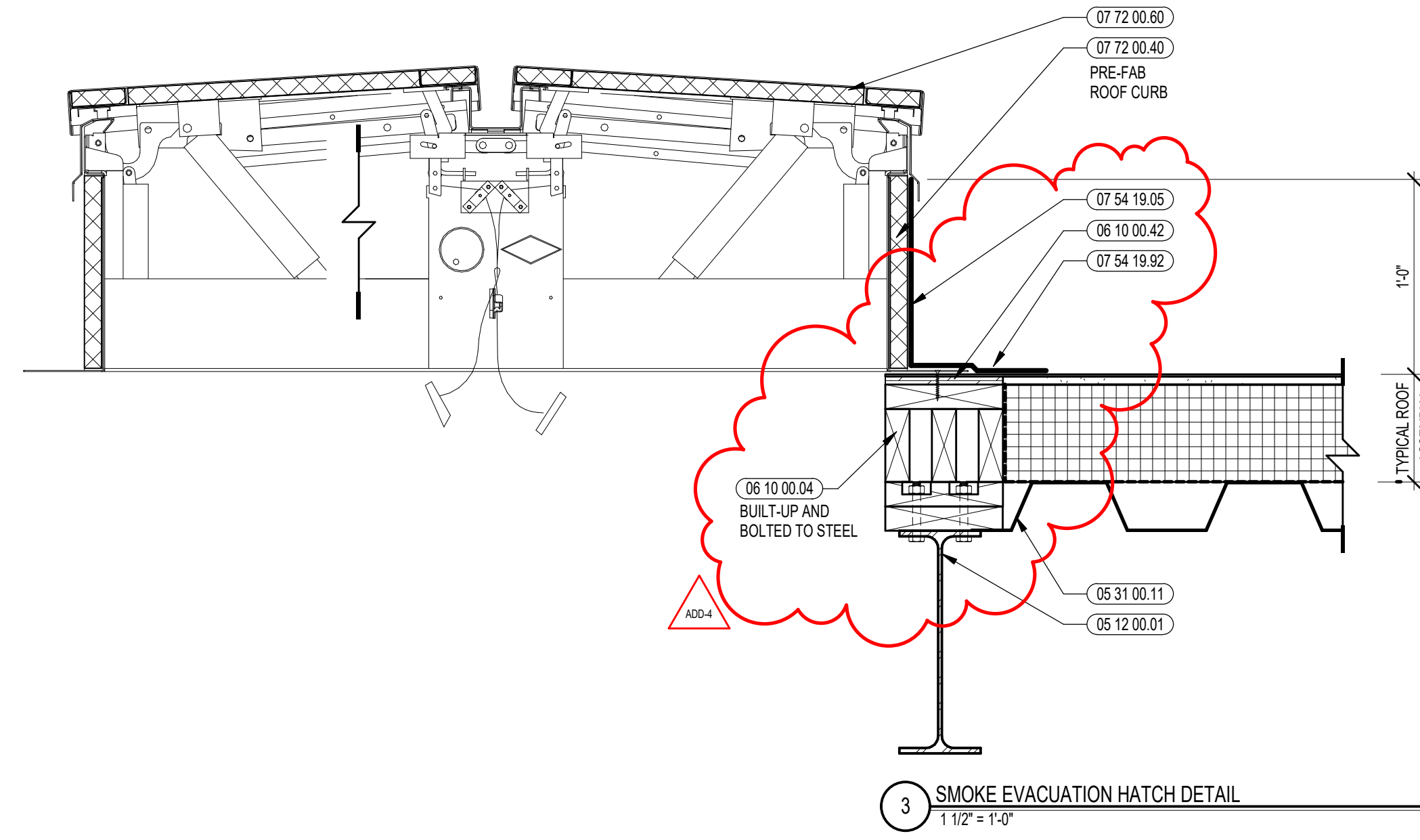
JOB NO.: 2202.02

DATE: OCTOBER 13, 2023

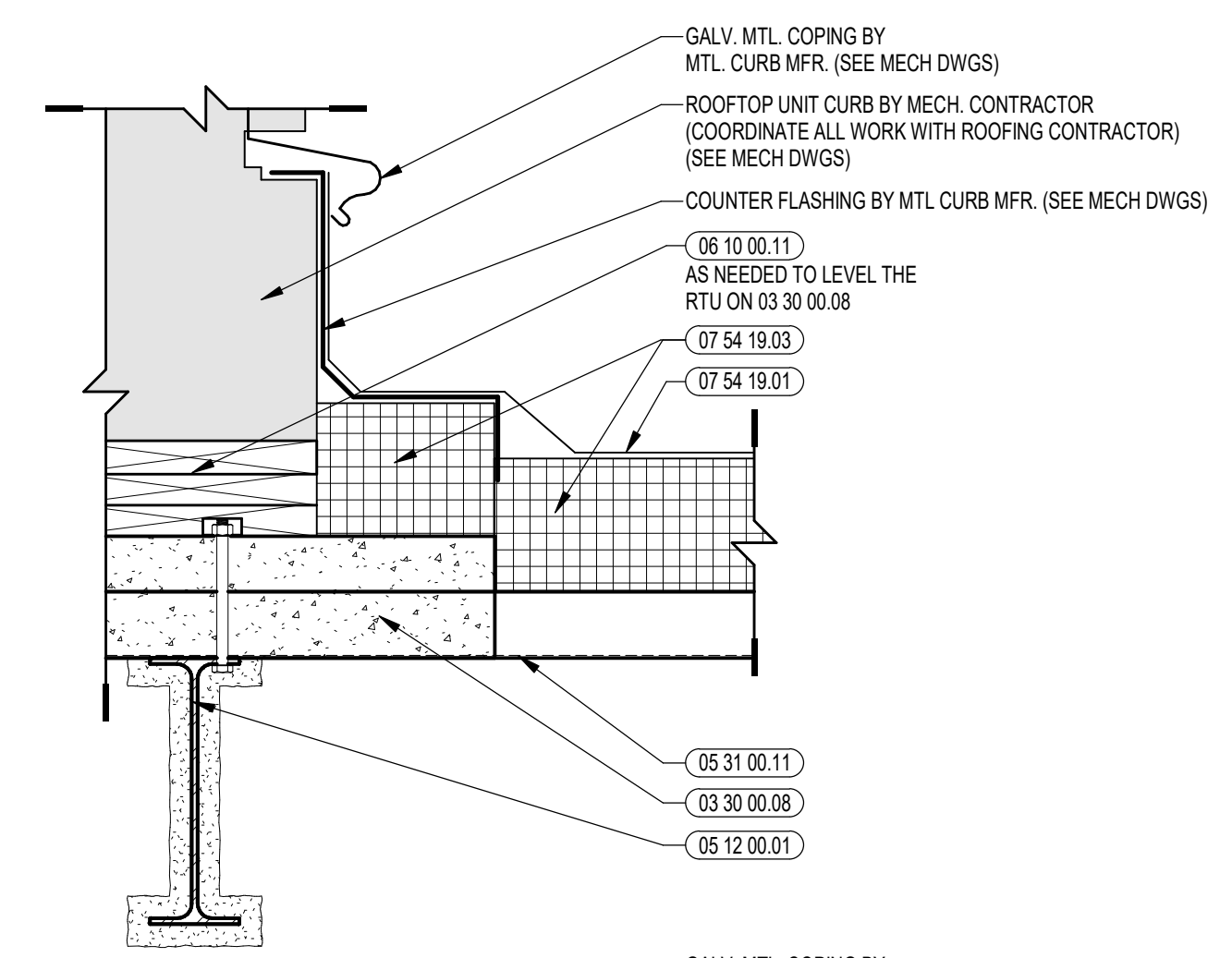
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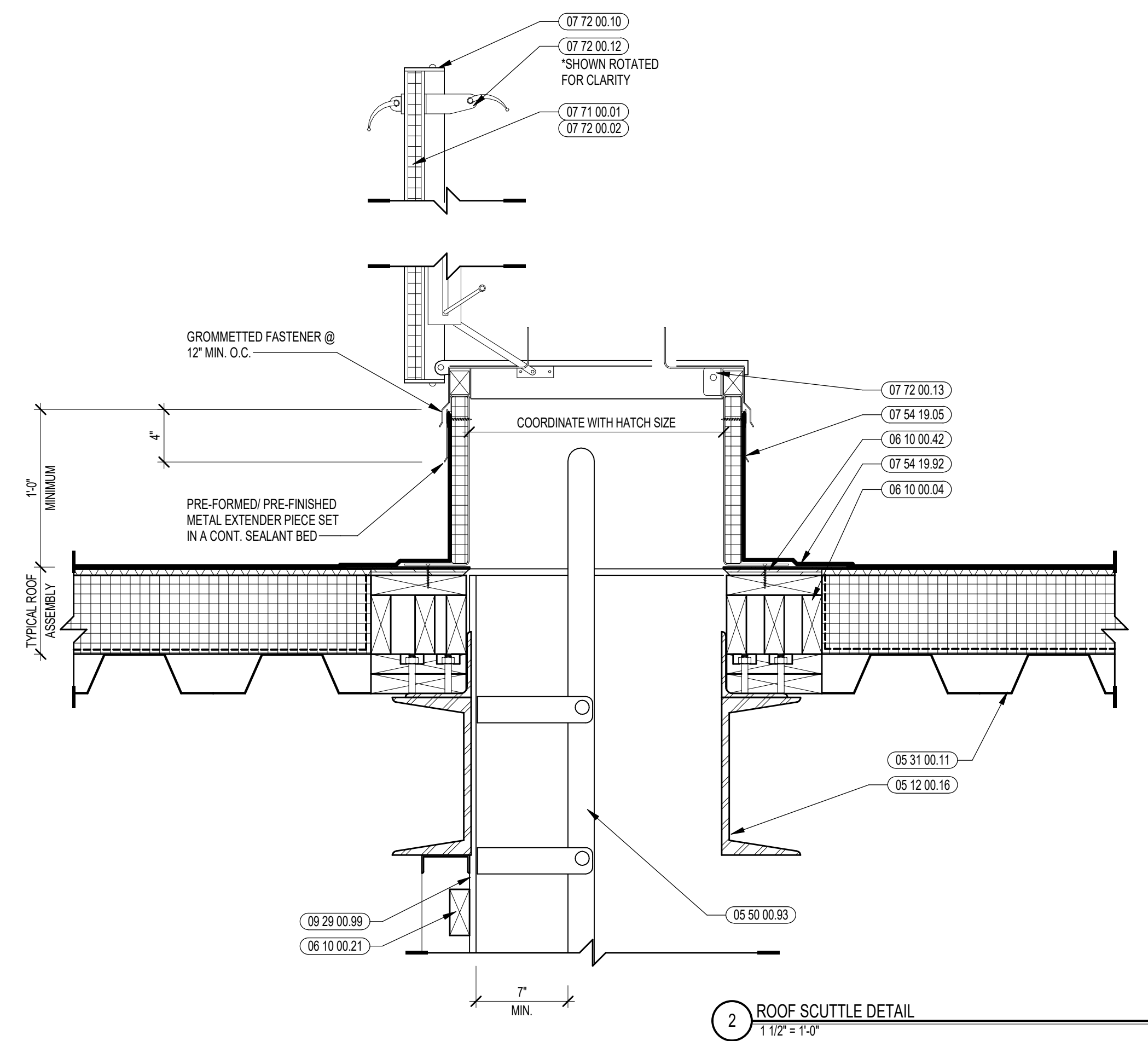
6 TYP. ROOF DRAIN DETAIL
1/2" = 1'-0"



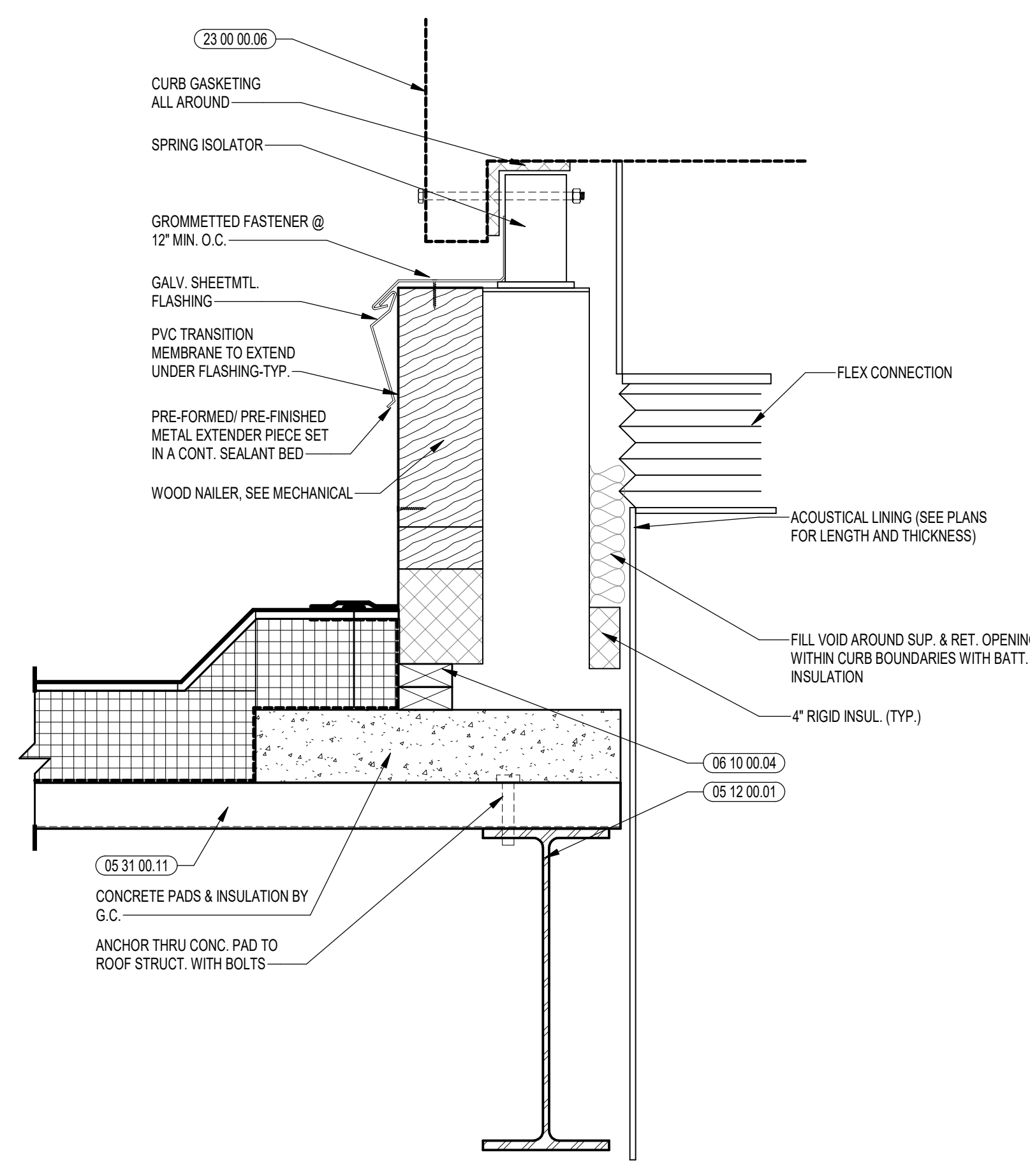
3 SMOKE EVACUATION HATCH DETAIL
1/2" = 1'-0"



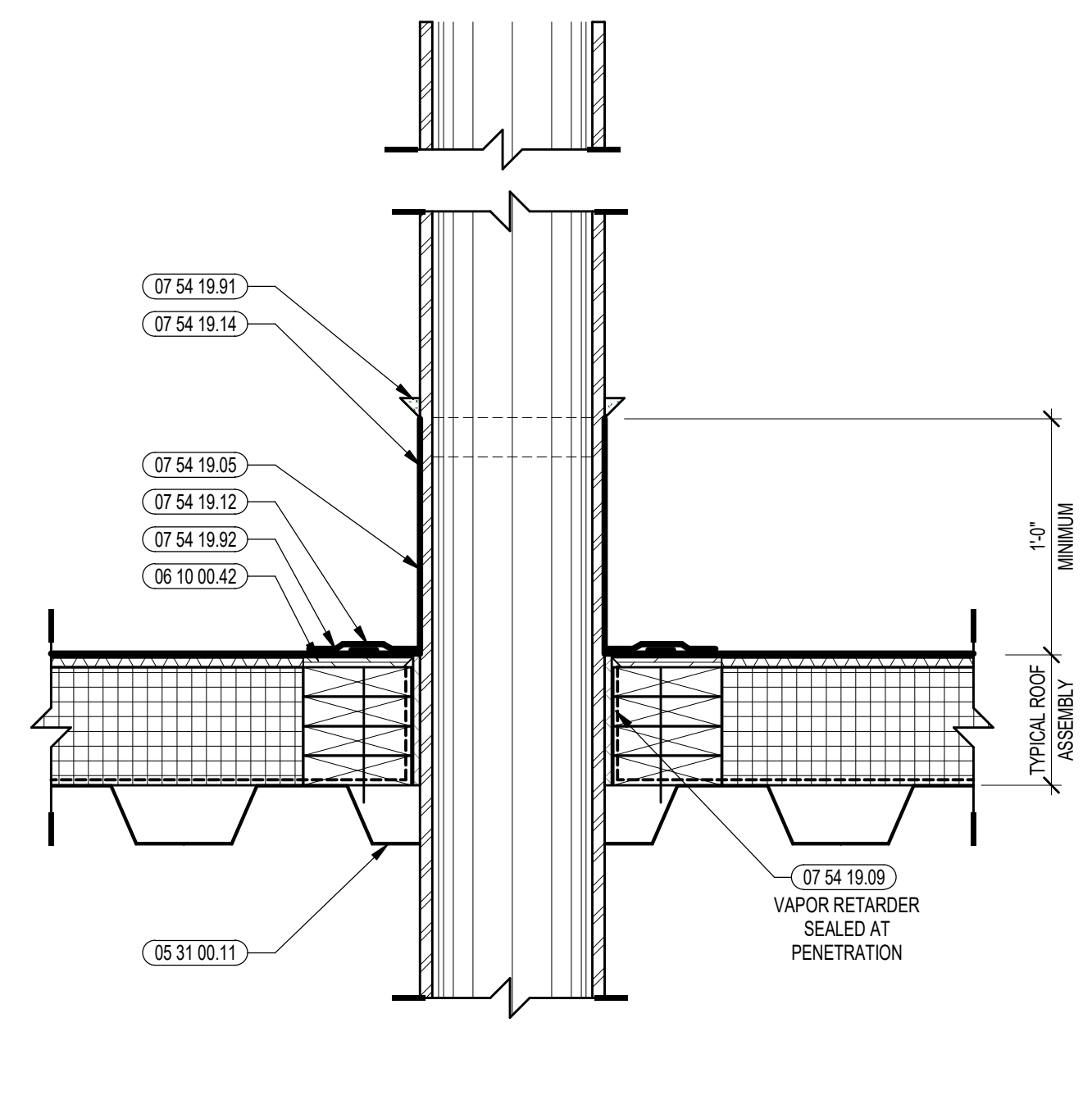
5 ROOF EQUIPMENT CURB DETAIL
1/2" = 1'-0"



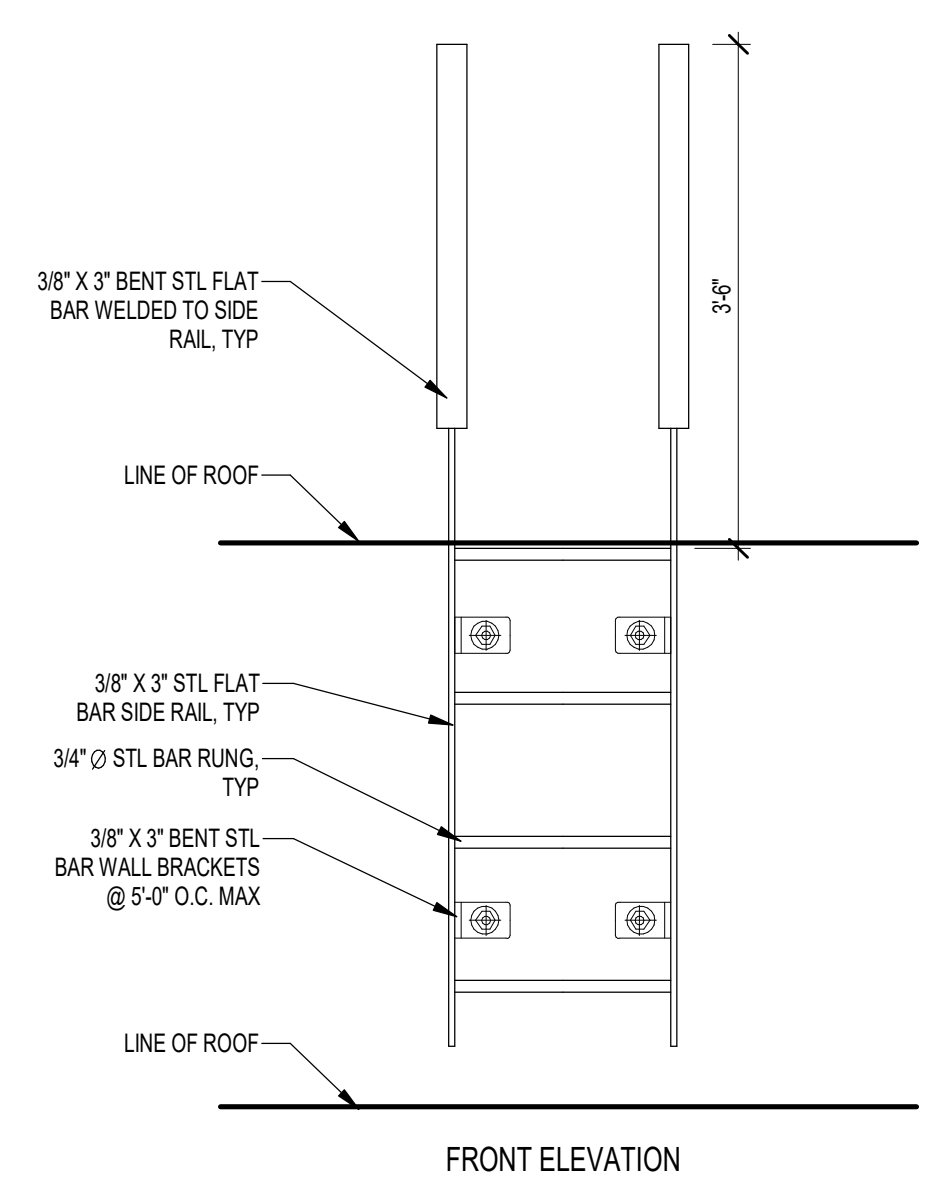
2 ROOF SCUTTLE DETAIL
1/2" = 1'-0"



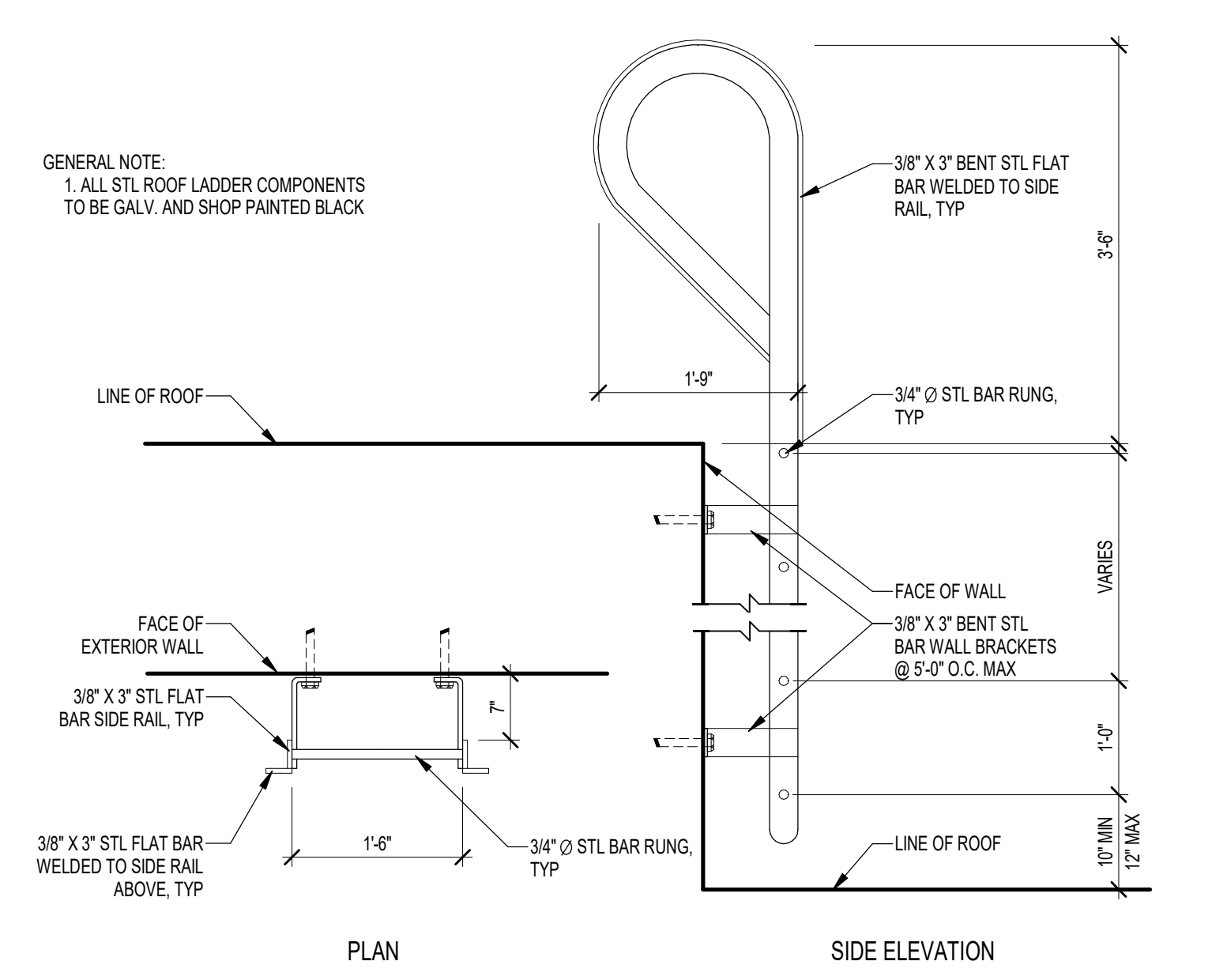
4 SEISMIC ROOFTOP SPRING CURB DETAIL
1/2" = 1'-0"



1 TYPICAL ROOF PENETRATION DETAIL
1/2" = 1'-0"



FRONT ELEVATION



PLAN

SIDE ELEVATION

7 EXTERIOR ROOF LADDER DETAILS
3/4" = 1'-0"

GENERAL NOTE:
1. ALL STL ROOF LADDER COMPONENTS TO BE GALV. AND SHOP PAINTED BLACK

DOOR SCHEDULE

Table with columns: SECOND FLOOR, DOOR #, ROOM NAME, DR SIZE, TYPE, MAT'L, THK., DR FIN, TYPE, MAT'L, FIN., HEAD, JAMB, SILL, GLASS TYPE, SHADE, HDW SET, FIRE RATING, REMARKS. Includes rows for classrooms, science prep, storage, and various offices.

DOOR SCHEDULE

Table with columns: FIRST FLOOR, DOOR #, ROOM NAME, DR SIZE, TYPE, MAT'L, THK., DR FIN, TYPE, MAT'L, FIN., HEAD, JAMB, SILL, GLASS TYPE, SHADE, HDW SET, FIRE RATING, REMARKS. Includes rows for diverse learners, science prep, storage, and various offices.

ABBREVIATIONS

Table listing abbreviations and their corresponding descriptions, such as ACST for Acoustic, AL for Aluminum, and PS for Power Supply.

GLASS TYPE NOTES

- REFER TO SPECIFICATIONS IN ADDITION TO PROVIDED NOTES FOR REQUIREMENTS COORDINATE WITH SPECIFICATION SECTIONS.
1. LAMINATED AND TEMPERED GLAZING: 08 80 00 - GLAZING COORDINATE GLASS TYPE 1 AND GLASS TYPE 2 LOCATIONS AS REQUIRED PER SPECIFICATIONS.

REMARKS: GENERAL NOTES

- A. PROVIDE INSULATION, WEATHERSTRIPPING AND THRESHOLD AT EXTERIOR DOORS.
B. ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES TO BE GALVANIZED UNLESS NOTED OTHERWISE.

REMARKS: SPECIAL CONDITION NOTES

- 1. PROVIDE FULL ACOUSTICAL PERIMETER GASKETING SYSTEM. REFER TO SPECIFICATION SECTION 08 71 00 - DOOR HARDWARE.
2. PROVIDE FULL ACOUSTICAL PERIMETER GASKETING SYSTEM AND SWEEPS. REFER TO SPECIFICATION SECTION 08 71 00 - DOOR HARDWARE.



111 Speen Street, Suite 300, Framingham, MA 01901



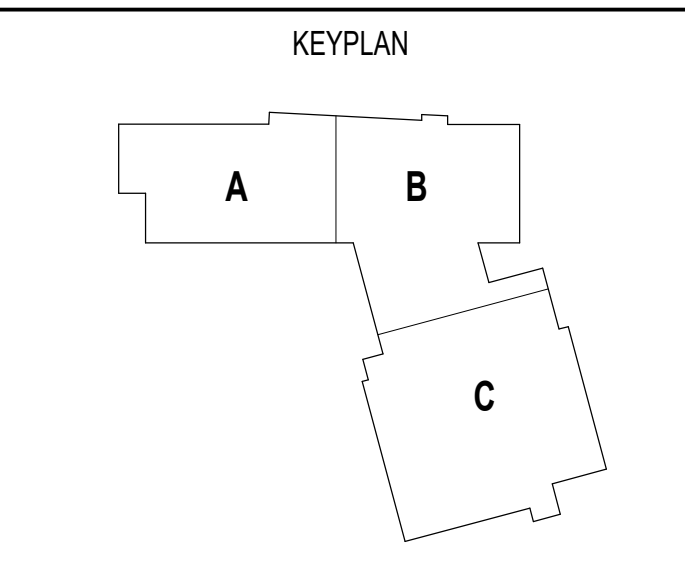
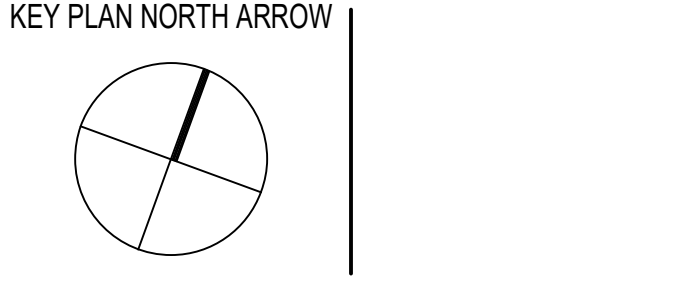
CENTRAL FALLS HIGH SCHOOL, 10 HINGSTON AVE, CENTRAL FALLS, RI

KEYNOTE LEGEND:



ADD-4 ADDENDUM #4 01.16.2024

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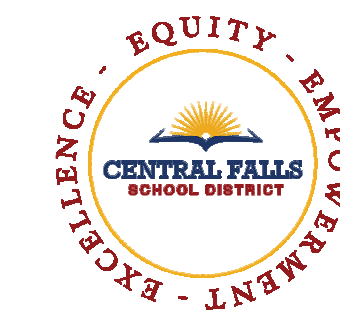


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DRAWN BY: CHR / BFC
REVIEWED BY: CHR / KK
SCALE: AS INDICATED
JOB NO.: 2202.02
DATE: OCTOBER 13, 2023
DRAWING NUMBER: A6.00A

DOOR SCHEDULE																	
FOURTH FLOOR		DOOR					FRAME										
DOOR #	ROOM NAME	DR SIZE	TYPE	MAT'L	THK.	DR FIN	TYPE	MAT'L	FIN.	HEAD	JAMB	SILL	GLASS TYPE	SHADE	HDW SET	FIRE RATING	REMARKS
401-01	CITE (COMPUTER SCIENCE)	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
401A-01	CITE (COMPUTER SCIENCE)	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	1/46.51	1/46.51	N/A	N/A	NONE	38.0		SEE NOTE 2
402-01	CLASSROOM	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
402-01	CLASSROOM	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
404-01	CLASSROOM	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
405-01	CLASSROOM	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
406-01	IDF	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F1.1	HM	P	1/46.51	1 & 3/46.51	N/A	N/A	NONE	30.0		
407-01	ELEC	3'-0" X 7'-0"	A	HM	0" 1/4"	P	F1.1	HM	P	6/46.51	6/46.51, 2/46.52	N/A	N/A	NONE	30.1	90 MIN	
407A-01	SMALL GROUP	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	NONE	44.0		SEE NOTE 1
408-01	CUSTODIAL	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	1/46.51	1 & 3/46.51	N/A	N/A	NONE	32.0		
410-01	CLASSROOM	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
411-01	CHEMISTRY	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
411A-01	SCIENCE PREP	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F1.1	HM	P	7/46.51	8/46.51	N/A	N/A	NONE	34.0		SEE NOTE 1
411A-02	SCIENCE PREP	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F1.1	HM	P	7/46.51	8/46.51	N/A	N/A	NONE	34.0		SEE NOTE 1
412-01	CLASSROOM (NEWCOMERS)	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
412A-01	SMALL GROUP	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2/46.51, 2/46.53	1/246.51	SEE NOTE 1	MANUAL	44.0		SEE NOTE 2
412A-02	SMALL GROUP	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2/46.51, 2/46.53	1/246.51	SEE NOTE 1	NONE	44.0		SEE NOTE 1
413-01	CHEMISTRY	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
414-01	CITE (TEACHING ACADEMY)	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
415-01	MEDIA COMMONS	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
415-02	MEDIA COMMONS	PR 3'-0" X 7'-0"	CC	SCW	0" 1/4"	CLR	F5.1	HM	P	2/46.51 & 2/46.53	7/46.53, 6/6.53 SIM	1/246.51	SEE NOTE 1	MANUAL	19.0		SEE NOTE 1
416-01	ELEV CTRL ROOM	3'-0" X 7'-0"	A	HM	0" 1/4"	P	F1.1	HM	P	6/46.51	6/46.51, 2/46.52	N/A	N/A	NONE	30.0	90 MIN	
417-01	DIVERSE LEARNERS CONFERENCE	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 2
418-01	CHEM STORAGE	3'-0" X 7'-0"	A	HM	0" 1/4"	P	F1.1	HM	P	6/46.51	6/46.51, 2/46.52	N/A	N/A	NONE	30.0		SEE NOTE 2
419-01	DIVERSE LEARNERS (SPEECH)	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2/46.51, 2/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
420-01	SCHOOL PSYCHOLOGIST	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2/46.51, 2/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
421-01	CALMING ROOM	3'-0" X 7'-0"	B	SCW	0" 1/4"	CLR	F1.1	HM	P	1/46.51	1/46.51	N/A	N/A	NONE	41.0		SEE NOTE 1
422-01	SOCIAL WORKER	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2/46.51, 2/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
423-01	SRO OFFICE	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2/46.51, 2/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
424-01	SOCIAL WORKER	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2/46.51, 2/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
425-01	DIVERSE LEARNERS (BEHAVIORAL OFFICE)	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2/46.51, 2/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
426-01	DIVERSE LEARNERS (BEHAVIORAL MEETING)	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2/46.51, 2/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
C401A-01	CORRIDOR	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	23.0		SEE NOTES 6, 7, 8, PS
ST1-4-01	STAIR 1	PR 3'-0" X 7'-0"	DD	SCW	0" 1/4"	CLR	F2.1	HM	P	9/46.51	13/46.51, 1/46.52	N/A	N/A	NONE	13.0	90 MIN	SEE NOTES 6, 7, 8, PS, FACP, LM
ST2-4-01	STAIR 2	PR 3'-0" X 7'-0"	DD	SCW	0" 1/4"	CLR	F2.1	HM	P	9/46.51	13/46.51, 1/46.52	N/A	N/A	NONE	13.0	90 MIN	SEE NOTES 6, 7, 8, PS, FACP, LM
1401-01	BOYS TOILET	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F1.1	HM	P	4/46.51	4/46.51, 2/46.51	N/A	N/A	NONE	26.0		
1402-01	GIRLS TOILET	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F1.1	HM	P	4/46.51	4/46.51, 2/46.51	N/A	N/A	NONE	26.0		
1403-01	TOILET	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F1.1	HM	P	1/46.51	1 & 3/46.51	N/A	N/A	NONE	40.1		
1404-01	TOILET	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F1.1	HM	P	1/46.51	1 & 3/46.51	N/A	N/A	NONE	40.1		

DOOR SCHEDULE																	
ROOF		DOOR					FRAME										
DOOR #	ROOM NAME	DR SIZE	TYPE	MAT'L	THK.	DR FIN	TYPE	MAT'L	FIN.	HEAD	JAMB	SILL	GLASS TYPE	SHADE	HDW SET	FIRE RATING	REMARKS
ST5-5-01	STAIR 5	PR 3'-0" X 7'-0"	AA	HM	0" 1/4"	P	F2.1	HM	P	2/46.54 SIM	4/46.54	1/46.54	N/A	NONE	8.0		SEE NOTES 6, 7, 8, PS

DOOR SCHEDULE																	
THIRD FLOOR		DOOR					FRAME										
DOOR #	ROOM NAME	DR SIZE	TYPE	MAT'L	THK.	DR FIN	TYPE	MAT'L	FIN.	HEAD	JAMB	SILL	GLASS TYPE	SHADE	HDW SET	FIRE RATING	REMARKS
222-03	CLASSROOM	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
301A-01	SMALL GROUP	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
302-01	MLL	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
303-01	CLASSROOM	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
304-01	MLL	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
305-01	CLASSROOM	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
306-01	IDF	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F1.1	HM	P	1/46.51	1 & 3/46.51	N/A	N/A	NONE	30.0		
307-01	ELEC	3'-0" X 7'-0"	A	HM	0" 1/4"	P	F1.1	HM	P	6/46.51	6/46.51, 2/46.52	N/A	N/A	NONE	30.2	90 MIN	
307A-01	SMALL GROUP	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
308-01	CORRIDOR	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	1/46.51	1 & 3/46.51	N/A	N/A	NONE	32.0		SEE NOTE 1
308-01	COLLABORATION	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
308A-01	SCIENCE PREP	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F1.1	HM	P	7/46.51	8/46.51	N/A	N/A	NONE	34.0		SEE NOTE 1
308A-02	SCIENCE PREP	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F1.1	HM	P	7/46.51	8/46.51	N/A	N/A	NONE	34.0		SEE NOTE 1
310-01	CITE (COMMUNITY LAW & ADVOCACY)	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MOTORIZED	38.0		SEE NOTE 1
310-02	CITE (COMMUNITY LAW & ADVOCACY)	PR 3'-0" X 7'-0"	CC	SCW	0" 1/4"	CLR	F4.1	HM	P	2/46.51 & 2/46.53	2 & 7/46.53, 6/6.53 SIM	1/246.51	SEE NOTE 1	MOTORIZED	38.0		SEE NOTE 1
310A-01	STORAGE	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F1.1	HM	P	1/46.51	1/46.51	N/A	N/A	NONE	35.0		SEE NOTE 1
311-01	PHYSICAL SCIENCE	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
312-01	CLASSROOM	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
313A-01	MEDIA OFFICE	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F1.1	HM	P	1/46.51	1 & 3/46.51	N/A	N/A	NONE	36.0		SEE NOTE 1
314-01	TEACHER PLANNING	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
314A-01	CONFERENCE	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.2	HM	P	7/46.51, 1/46.53	6/46.51, 2/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 2
314A-02	CONFERENCE	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.2	HM	P	2/46.51, 2/46.53	2/46.51, 2/46.53	1/246.51	SEE NOTE 1	MANUAL	41.0		SEE NOTE 2
314B-01	TEACHER PLANNING	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F1.1	HM	P	1/46.51	1/46.51	N/A	N/A	NONE	40.1		SEE NOTE 1
314C-01	TEACHER PLANNING	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F1.1	HM	P	1/46.51	1/46.51	N/A	N/A	NONE	40.1		SEE NOTE 1
315-01	ART	3'-0" X 7'-0"	A	SCW	0" 1/4"	CLR	F3.1	HM	P	2/46.51, 2/46.53	2 & 4/46.51, 2 & 3/46.53	1/246.51	SEE NOTE 1	MANUAL	38.0		SEE NOTE 1
315-01	CORRIDOR	3'-0" X 7'-0"	A	SCW													

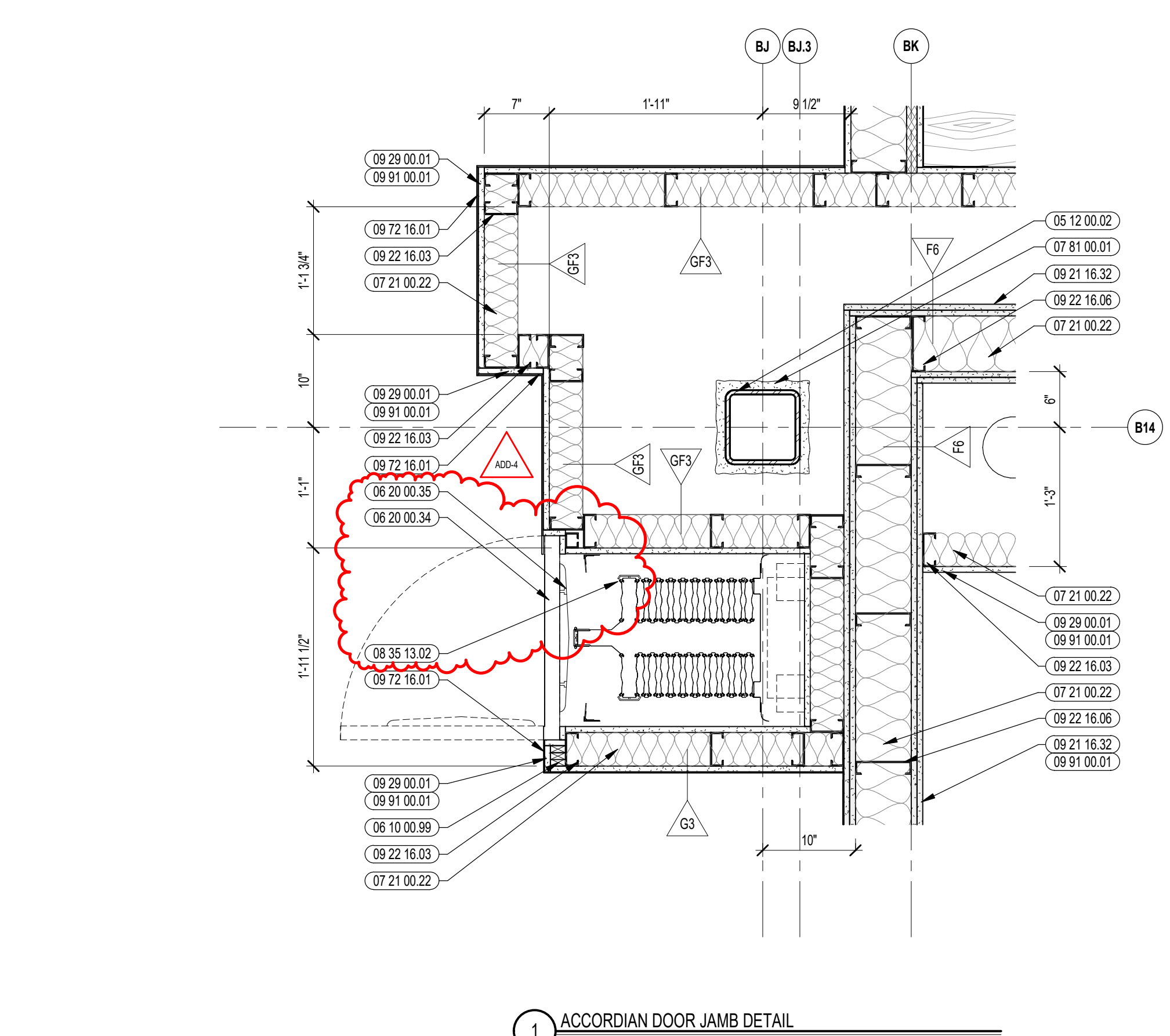
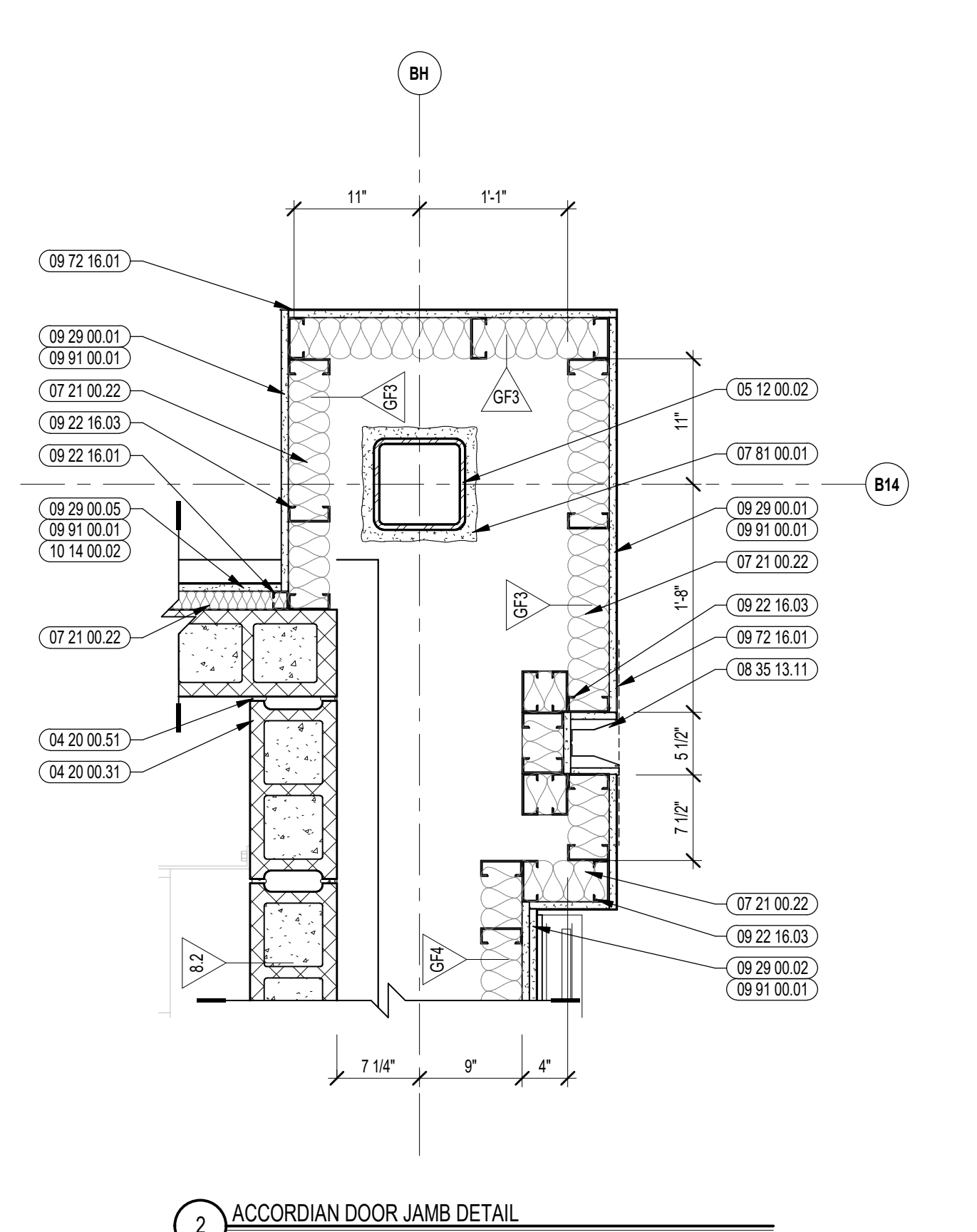
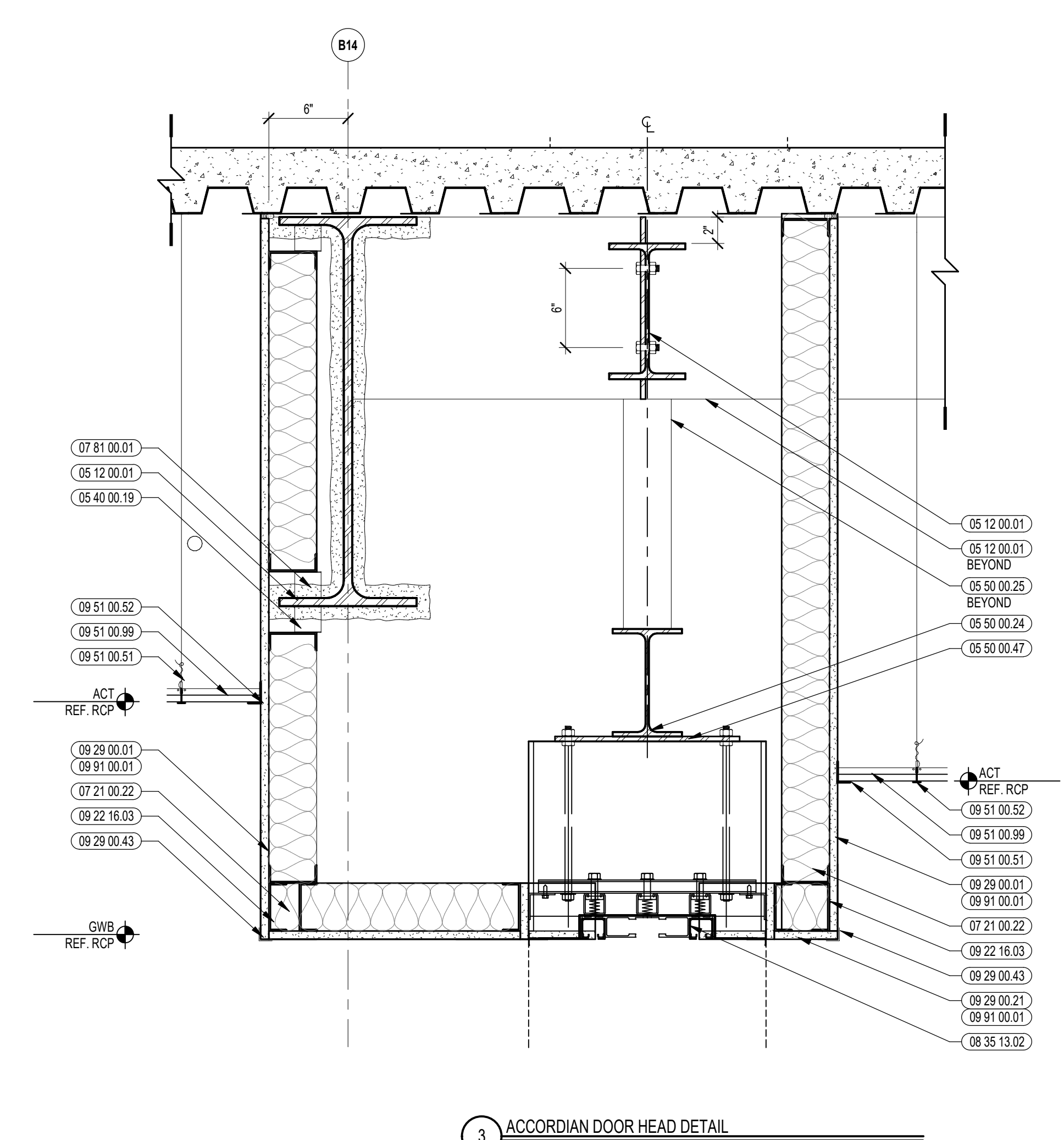
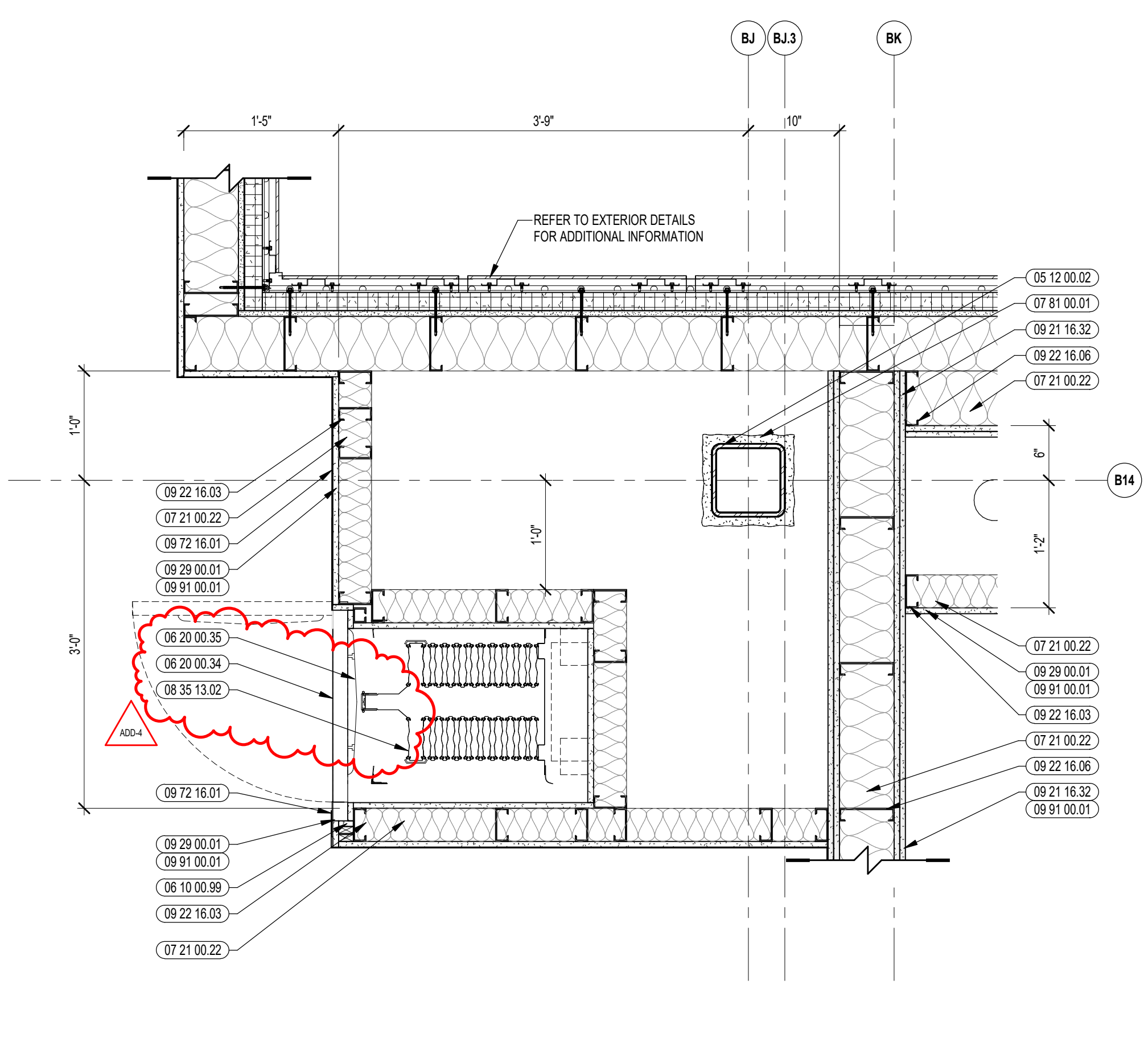
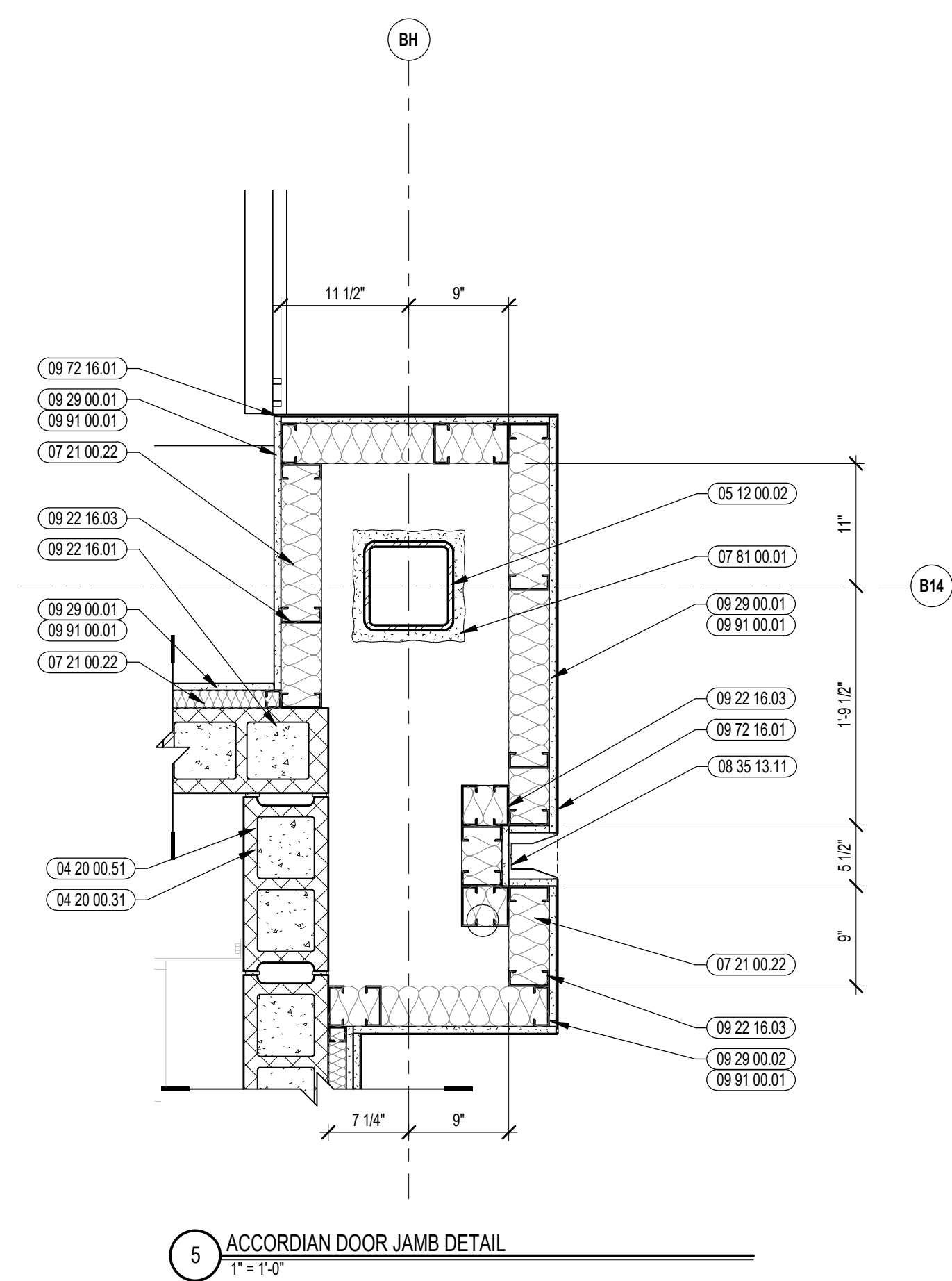


CENTRAL FALLS HIGH SCHOOL
10 HIGGINSON AVE, CENTRAL FALLS, RI

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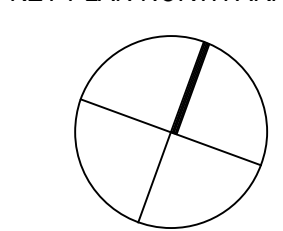
- 04 20 00.31 CMU - STANDARD - NORMAL WEIGHT - REFERENCE DRAWINGS FOR DEPTH SIZE AND FIRE RATING
- 04 20 00.51 GROUT FILL
- 05 12 00.01 STEEL BEAM - SEE STRUCTURAL
- 05 12 00.02 STEEL COLUMN - SEE STRUCTURAL
- 05 40 00.19 STEEL Z-CLP - 16 GAGE MIN - 1 INCH MIN DEPTH - 16 INCHES O.C. MAX
- 05 50 00.24 STEEL BEAM - SIZED AS NEEDED
- 05 50 00.25 STEEL TUBE - SIZED AS NEEDED
- 05 50 00.47 STEEL PLATE - SIZED AS NEEDED
- 06 10 00.99 WOOD BLOCKING - SIZE AS NOTED OR DRAWING
- 06 20 00.34 HARDWOOD VENEER PL WOOD - PAINTED GRADE
- 06 20 00.35 HARDWOOD BUMPER - 3/4 INCH
- 07 21 00.22 GLASS/FIBER ACOUSTICAL BLANKET INSULATION - MATCH DEPTH OF STUD - UNFACED
- 07 81 00.01 CEMENTITIOUS FIREPROOFING
- 08 35 13.02 ACCORDION FOLDING DOOR - FIRE
- 08 35 13.11 ACCORDION FOLDING DOOR - STRIKER JAMB
- 09 21 16.32 GYPSUM BOARD - 5/8 INCH TYPE X - 2 LAYERS
- 09 22 16.01 METAL STUD 1-5/8 INCH - 16 INCHES O.C. MAX
- 09 22 16.03 METAL STUD 3-5/8 INCH - 16 INCHES O.C. MAX
- 09 22 16.06 METAL STUD 6 INCH - 16 INCHES O.C. MAX
- 09 29 00.01 5/8 INCH GYPSUM BOARD - LEVEL 4 FINISH - 1 LAYER
- 09 29 00.02 5/8 INCH GYPSUM BOARD - LEVEL 4 FINISH - 2 LAYERS
- 09 29 00.05 5/8 INCH GYPSUM BOARD - LEVEL 5 FINISH - 1 LAYER
- 09 29 00.21 5/8 INCH GYPSUM BOARD - LEVEL 4 FINISH - SAG-RESISTANT
- 09 29 00.43 CORNER BEAD
- 09 51 00.51 ACT SUSPENSION SYSTEM
- 09 51 00.52 EDGE MOLDING SYSTEM
- 09 91 00.99 ACOUSTICAL CEILING - REFERENCE REFLECTED CEILING PLANS FOR TYPE AND HEIGHT
- 09 72 16.01 VINYL WALL CLADDING - REFERENCE ELEVATIONS FOR TYPE
- 09 91 00.01 PAINT - SEE SCHEDULE
- 10 14 00.02 INTERIOR SIGNAGE - VINYL WALL GRAPHIC



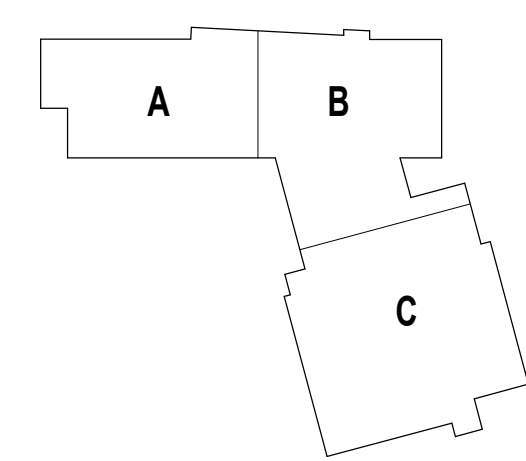
ADD-4 ADDENDUM #4 01.16.2024

100% CONSTRUCTION DOCUMENTS

KEY PLAN NORTH ARROW



KEYPLAN



DRAWING NAME:

ACCORDION FOLDING DOOR DETAILS

DRAWN BY: BFC

REVIEWED BY: CHR / KK

SCALE: AS INDICATED | DRAWING NUMBER:

JOB NO.: 2202.02

DATE: OCTOBER 13, 2023

A6.12

ROOM FINISH SCHEDULE

FOURTH FLOOR		ROOM #	ROOM NAME	FLOOR MATERIAL	BASE MATERIAL	WALL MATERIAL				CEILING	NOTES
N	E					S	W				
401	CTE (COMPUTER SCIENCE)	RTF	RB	P	P	P	P	P	ACT / P		
401A	CTE (GEEK SQUAD DESK)	RTF	RB	P	P	P	P	P	ACT		
402	CLASSROOM	RTF	RB	P	P	P	P	P	ACT / P		
403	CLASSROOM	RTF	RB	P	P	P	P	P	ACT / P		
404	CLASSROOM	RTF	RB	P	P	P	P	P	ACT / P		
405	CLASSROOM	RTF	RB	P	P	P	P	P	ACT / P		
406	IDF	SCRF	RB	P	P	P	P	P	ACT		
408	CUSTODIAL	CONC. PAINTED	RB	P	P	P	P	P	EXP		
409	ELEC	CONC. PAINTED	RB	P	P	P	P	P	EXP		
409A	SMALL GROUP	RTF	RB	P	P	P	P	P	ACT		
410	CLASSROOM	RTF	RB	P	P	P	P	P	ACT / P		
411	CHEMISTRY	RTF	RB	P	P	P	P	P	ACT		
411A	SCIENCE PREP	RTF	RB	P	P	P	P	P	ACT		
412	CLASSROOM (NEWCOMERS)	RTF	RB	P	P	P	P	P	ACT / P		
412A	SMALL GROUP	RTF	RB	P	P	P	P	P	ACT		
413	CHEMISTRY	RTF	RB	P	P	P	P	P	ACT		
414	CTE (TEACHING ACADEMY)	RTF	RB	P	P	P	P	P	ACT / P		
415	MEDIA COMMONS	RTF	RB	P	P	P	P	P	ACT		
416	ELEV 1 CTRL ROOM	CONC. PAINTED	RB	P	P	P	P	P	EXP		
417	DIVERSE LEARNERS CONFERENCE	CPT	RB	P	P	P	P	P	ACT		
418	CHEM STORAGE	RTF	RB	P	P	P	P	P	ACT		
419	DIVERSE LEARNERS (SPEECH)	CPT	RB	P	P	P	P	P	ACT		
420	SCHOOL PSYCHOLOGIST	CPT	RB	P	P	P	P	P	ACT		
421	CALMING ROOM	CPT	RB	P	P	P	P	P	ACT		
422	SOCIAL WORKER	CPT	RB	P	P	P	P	P	ACT		
423	SOCIAL WORKER	CPT	RB	P	P	P	P	P	ACT		
424	SRO OFFICE	CPT	RB	P	P	P	P	P	ACT		
425	DIVERSE LEARNERS (BEHAVIORAL OFFICE)	CPT	RB	P	P	P	P	P	ACT		
426	DIVERSE LEARNERS (BEHAVIORAL MEETING)	CPT	RB	P	P	P	P	P	ACT		
C400	CORRIDOR	RTF	RB	VWCR / P	VWCR / P	VWCR / P	VWCR / P	VWCR / P	ACT / P		
C400A	COLLABORATION	RTF	RB	VWCR / P	VWCR / P	VWCR / P	VWCR / P	VWCR / P	ACT / P		
C401	CORRIDOR	RTF	RB	VWCR / P	VWCR / P	VWCR / P	VWCR / P	VWCR / P	ACT / P		
C401A	CORRIDOR	CPT	RB	P	P	P	P	P	ACT		
E1-1	ELEVATOR	R	MFR	MFR	MFR	MFR	MFR	MFR	MFR		
ST1-4	STAIR 1	RTF / R	RB	EP	EP	EP	EP	EP	ACT		
ST2-4	STAIR 2	RTF / R	RB	EP	EP	EP	EP	EP	ACT		
ST3-4	STAIR 3	RTF / R	RB	EP	EP	EP	EP	EP	ACT		
ST4-4	STAIR 4	RTF / R	RB	EP	EP	EP	EP	EP	ACT		
T401	BOYS TOILET	UCF	UCF	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	EP		
T402	GIRLS TOILET	UCF	UCF	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	EP		
T403	TOILET	UCF	UCF	EP	EP	EP	EP	EP	EP		
T404	TOILET	UCF	UCF	EP	EP	EP	EP	EP	EP		

ROOM FINISH SCHEDULE

ROOF FLOOR		ROOM #	ROOM NAME	FLOOR MATERIAL	BASE MATERIAL	WALL MATERIAL				CEILING	NOTES
N	E					S	W				
ST5-3	STAIR 3	RTF / R	RB	EP	EP	EP	EP	EP	ACT		

ROOM FINISH SCHEDULE

SECOND FLOOR		ROOM #	ROOM NAME	FLOOR MATERIAL	BASE MATERIAL	WALL MATERIAL				CEILING	NOTES
N	E					S	W				
201	CLASSROOM	RTF	RB	P	P	P	P	P	ACT / P		
201A	SMALL GROUP	RTF	RB	P	P	P	P	P	ACT		
202	DIVERSE LEARNERS (LIFE SKILLS)	RTF	RB	P	P	P	P	P	ACT / P		
202A	TOILET	UCF	UCF	EP	VWCR / EP	EP	VWCR / EP	EP	EP		
203	BREAKSTORAGE	RTF	RB	P	P	P	P	P	ACT / P		
203A	CLASSROOM	RTF	RB	P	P	P	P	P	ACT / P		
204	DIVERSE LEARNERS (LIFE SKILLS)	RTF	RB	P	P	P	P	P	ACT / P		
204A	TOILET	UCF	UCF	EP	VWCR / EP	EP	VWCR / EP	EP	EP		
204B	CALMING ROOM	RTF	RB	P	P	P	P	P	ACT		
205	CLASSROOM	RTF	RB	P	P	P	P	P	ACT / P		
206	IDF	SCRF	RB	P	P	P	P	P	ACT		
207	ELEC	CONC. PAINTED	RB	P	P	P	P	P	EXP		
207A	SMALL GROUP	RTF	RB	P	P	P	P	P	ACT		
208	CUSTODIAL	CONC. PAINTED	RB	EP	EP / FRP	EP / FRP	EP	EP	EXP		
209	CTE (BIOMEDICAL/SCIENCE CLASSROOM)	RTF	RB	P	P	P	P	P	ACT		
209A	SCIENCE PREP	RTF	RB	P	P	P	P	P	ACT		
210	CLASSROOM	RTF	RB	P	P	P	P	P	ACT / P		
211	BIOLOGY	RTF	RB	P	P	P	P	P	ACT		
212	CLASSROOM	RTF	RB	P	P	P	P	P	ACT / P		
213	MEDIA COMMONS	RTF	RB	VWCR / P	VWCR / P	VWCR / P	VWCR / P	VWCR / P	ACT / P		
214	TEACHER PLANNING	RTF	RB	P	P	P	P	P	ACT		
214A	CONFERENCE	CPT	RB	P	P	P	P	P	ACT		
214B	TOILET	UCF	UCF	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	EP		
215	GUIDANCE WAITING ROOM	CPT	RB	P	P	P	P	P	ACT		
216	STORAGE	RTF	RB	P	P	P	P	P	ACT		
217	DIRECTOR OF PATHWAYS	CPT	RB	P	P	P	P	P	ACT		
218	ART	CPT	RB	P	P	P	P	P	ACT		
219	GUIDANCE OFFICE	CPT	RB	P	P	P	P	P	ACT		
220	SOCIAL WORKER	CPT	RB	P	P	P	P	P	ACT		
221	GUIDANCE OFFICE	CPT	RB	P	P	P	P	P	ACT		
222	GUIDANCE OFFICE	CPT	RB	P	P	P	P	P	ACT		
223	GUIDANCE OFFICE	CPT	RB	P	P	P	P	P	ACT		
224	CTE DIRECTOR	CPT	RB	P	P	P	P	P	ACT		
225	CONFERENCE	CPT	RB	P	P	P	P	P	ACT		
226	CAREER CENTER	CPT	RB	P	P	P	P	P	ACT		
227	PUMP ROOM	CONC. PAINTED	RB	P	P	P	P	P	EXP		
227A	SOAKING CLOSET	CONC. PAINTED	RB	P	P	P	P	P	EXP		
228	FITNESS CENTER APE	RA	RB	P	P	P	P	P	ACT		
228B	OT/PT	RA	RB	P	P	P	P	P	ACT		
228C	STORAGE	RA	RB	P	P	P	P	P	ACT		
229	ATHLETIC DIRECTOR	RTF	RB	P	P	P	P	P	ACT		
229A	AD STORAGE	RTF	RB	P	P	P	P	P	ACT		
230	MECHANICAL	CONC. PAINTED	RB	P	P	P	P	P	ACT		
230A	CUSTODIAL	CONC. PAINTED	RB	EP	EP / FRP	EP / FRP	EP	EP	EXP		
230B	TRAINERS ROOM	UCF	UCF	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	EP		
231	ELEC	CONC. PAINTED	RB	P	P	P	P	P	EXP		
231A	EMER ELEC	CONC. PAINTED	RB	P	P	P	P	P	EXP		
232	IT OFFICE	SCRF	RB	P	P	P	P	P	ACT		
232A	NETWORK / TELECOM	SCRF	RB	P	P	P	P	P	ACT		
233	GENERAL RECEIVING	CONC. PAINTED	RB	P	EP / FRP	EP / FRP	P	P	ACT		
233A	WORKSHOP	CONC. PAINTED	RB	P	P	P	P	P	ACT		
233B	CUST OFFICE	CONC. PAINTED	RB	P	P	P	P	P	ACT		
234	GYM STORAGE	CONC. PAINTED	RB	P	P	P	P	P	ACT		
C200	CORRIDOR	RTF	RB	VWCR / P	VWCR / P	VWCR / P	VWCR / P	VWCR / P	ACT / P		
C200A	COLLABORATION	RTF	RB	VWCR / P	VWCR / P	VWCR / P	VWCR / P	VWCR / P	ACT / P		
C201	CORRIDOR	RTF	RB	VWCR / P	VWCR / P	VWCR / P	VWCR / P	VWCR / P	ACT / P		
C202	CORRIDOR	RTF	RB	VWCR / P	VWCR / P	VWCR / P	VWCR / P	VWCR / P	ACT / P		
C202A	GUIDANCE CORRIDOR	CPT	RB	P	P	P	P	P	ACT		
C203	CORRIDOR	RTF	RB	VWCR / P	VWCR / P	VWCR / P	VWCR / P	VWCR / P	ACT / P		
E1-2	ELEVATOR 1	R	MFR	MFR	MFR	MFR	MFR	MFR	MFR		
ST1-2	STAIR 1	RTF / R	RB	EP	EP	EP	EP	EP	ACT		
ST2-2	STAIR 2	RTF / R	RB	EP	EP	EP	EP	EP	ACT		
ST3-2	STAIR 3	RTF / R	RB	EP	EP	EP	EP	EP	ACT		
ST4-2	STAIR 4	RTF / R	RB	EP	EP	EP	EP	EP	ACT		
ST5-2	STAIR 5	RTF / R	RB	EP	EP	EP	EP	EP	ACT		
T201	BOYS TOILET	UCF	UCF	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	EP		
T202	GIRLS TOILET	UCF	UCF	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	EP		
T203	TOILET	UCF	UCF	EP	EP	EP	EP	EP	EP		
T204	TOILET	UCF	UCF	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	EP		
T205	GIRLS TOILET	UCF	UCF	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	EP		
T206	GIRLS TOILET	UCF	UCF	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	EP		
T207	BOYS TOILET	UCF	UCF	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	EP		
T208	GIRLS TOILET	UCF	UCF	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	EP		
T209	BOYS TOILET	UCF	UCF	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	VWCR / EP	EP		

ROOM FINISH SCHEDULE

THIRD FLOOR		ROOM #	ROOM NAME	FLOOR MATERIAL	BASE MATERIAL	WALL MATERIAL				CEILING	NOTES
N	E					S	W				
301	CLASSROOM	RTF	RB	P	P	P	P	P	ACT / P		
301A	SMALL GROUP	RTF	RB	P	P	P	P	P	ACT / P		
302	MLL	RTF	RB	P	P	P	P	P	ACT / P		
303	CLASSROOM	RTF	RB	P	P	P	P	P	ACT / P		
304	MLL	RTF	RB	P	P	P	P	P	ACT / P		
305	CLASSROOM	RTF	RB	P	P	P	P	P	ACT / P		
306	IDF	SCRF	RB	P	P	P	P	P	ACT		
307	ELEC	CONC. PAINTED	RB	P	P	P	P	P	EXP		
307A	SMALL GROUP	RTF	RB	P	P	P	P	P	ACT		
308	CUSTODIAL	CONC. PAINTED	RB	P	P	P	P	P	EXP		
309	PHYSICAL SCIENCE	RTF	RB	P	P	P	P	P	ACT / P		
309A	SCIENCE PREP	RTF	RB	P	P	P	P	P	ACT		
310	CTE (COMMUNITY LAW & ADVOCACY)	RTF	RB	P	P	P	P	P	ACT / P		
310A	STORAGE	RTF	RB	P	P	P	P	P	P		
311	PHYSICAL SCIENCE	RTF	RB	P	P	P	P	P	ACT		
312	CLASSROOM	RTF	RB	P	P	P	P	P	ACT / P		
313	MEDIA COMMONS	RTF	RB	VWCR / P	VWCR / P	VWCR / P	VWCR / P	VWCR / P	ACT / P		
313A	MEDIA OFFICE	RTF	RB	P	P	P	P	P	ACT		
314	TEACHER PLANNING	RTF	RB	P	P	P	P	P	ACT		
314A	CONFERENCE	CPT	RB	P	P	P	P	P	ACT		
314B	TOILET	UCF	UCF	EP	EP	VWCR / EP	EP	EP	EP		
314C	MOTHERS ROOM	RTF	RB	P	P	P	P	P	ACT		
315	ART	RTF	RB	P	P	P	P	P	ACT / P		
316	ART	RTF	RB	P	P	P	P	P	ACT / P		
317A	ART STORAGE	RTF	RB	P	P	P	P	P	ACT		
317B	ART KLN	RTF	RB	P	P	P	P	P	ACT		
318	ROOF TERRACE	-	-	-	-	-	-	-	-		
320	ELEV 2 CTRL ROOM	CONC. PAINTED	RB	P	P	P	P	P	EXP		
321	AUDITORIUM	CB / CONC. PAINTED	RB	P	P	P	P	P	ACT / WD / P		
321A	VESTIBULE	CB	RB	P	P	P	P	P	ACT		
321B	IDF	SCRF	RB	P	P	P	P	P	ACT		
321C	CORRIDOR	CB	RB	P	P	P	P	P	ACT		
321D	CONTROL ROOM	CB	RB	P	P	P	P	P	ACT		
321E	ELEC	CONC. PAINTED	RB	P	P	P	P	P	EXP		
322	CHORUS	RTF	RB	P	P	P					



CENTRAL FALLS HIGH SCHOOL
10 HIGGINSON AVE, CENTRAL FALLS, RI

KEYNOTE LEGEND:

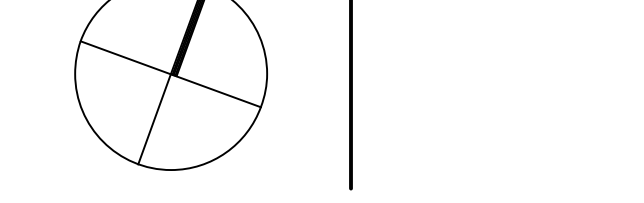
- 03 30 00 01 CONCRETE
- 06 20 00 07 HARDWOOD SILL - TRANSPARENT FINISH
- 08 11 13 11 STEEL FRAME - SEE SCHEDULE FOR TYPES
- 08 14 16 01 SOLID CORE FLUSH WOOD DOOR - SEE DOOR SCHEDULE
- 08 43 13 01 ALUMINUM STOREFRONT FRAME
- 09 21 16 32 GYPSUM BOARD - 5/8 INCH TYPE X - 2 LAYERS
- 09 29 00 01 5/8 INCH GYPSUM BOARD - LEVEL 4 FINISH - 1 LAYER
- 09 29 00 11 5/8 INCH PLYWOOD - FIRE RETARDANT TREATED
- 09 29 00 08 GYPSUM BOARD SYSTEM - LEVEL 3 FINISH - REFER TO FLOOR PLANS AND WALL TYPES FOR COMPONENTS
- 09 29 00 09 GYPSUM BOARD SYSTEM - LEVEL 4 FINISH - REFER TO FLOOR PLANS AND WALL TYPES FOR COMPONENTS
- 09 65 13 01 RUBBER BASE - 4 INCH
- 09 65 19 99 RTF - REFERENCE SCHEDULE AND SAMPLE PATTERNS FOR TYPE
- 09 91 00 01 PAINT - SEE SCHEDULE
- 10 11 16 01 DRY MARKER BOARD
- 10 21 23 01 CURTAIN TRACK AND CURTAIN
- 10 28 13 11 PAPER TOWEL DISPENSER
- 10 44 00 03 FIRE EXTINGUISHER WALL MOUNTED BRACKET
- 10 44 00 11 FIRE EXTINGUISHER
- 11 53 00 21 SAFETY GOGGLE CABINET
- 11 53 00 31 COUNTERTOP WATER DISTILLER
- 12 24 00 01 ROLLER SHADE
- 12 30 00 01 BASE CABINET
- 12 30 00 02 WALL CABINET
- 12 30 00 03 TALL CABINET
- 12 30 00 50 FILLER PIECE SCRIBED TO ADJACENT SURFACE - FINISH TO MATCH CASEWORK
- 12 30 00 61 FINISHED WOOD END PANEL - FINISH TO MATCH CASEWORK
- 22 00 00 01 SINK - SEE PLUMBING
- 22 00 00 70 EMERGENCY EYEWASH/SHOWER STATION
- 26 00 00 41 LAB BENCH PEDESTAL - SEE ELECTRICAL
- 26 00 00 50 ELECTRICAL OUTLET - SEE ELECTRICAL
- 26 00 00 53 ELECTRICAL RETRACTABLE OVERHEAD OUTLET - SEE ELECTRICAL
- 27 10 10 10 DATA OUTLET - SEE TECHNOLOGY
- 27 40 00 20 DISPLAY - INTERACTIVE - SEE TECHNOLOGY
- 27 50 00 11 CLOCK - SEE TECHNOLOGY

- GENERAL NOTES:**
1. NOT ALL POWER AND DATA OUTLET SWITCHING LOCATIONS SHOWN. COORDINATE WITH ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ALL LOCATIONS.
 2. REFER TO DETAILS ON A7.51 FOR FIRE EXTINGUISHER DETAILS AND MOUNTING HEIGHTS.
 3. REFERENCE TOILET ACCESSORIES LEGEND AND SCHEDULE ON DRAWING A8.31 FOR ADDITIONAL INFORMATION.
 4. WHERE EXPOSED, ALL STRUCTURAL MEMBERS & MEPP SHALL RECEIVE PAINTED FINISH, U.N.O. HORIZONTAL PAINT TRANSITION LINE TO BE COORDINATED ON WALLS OF SPACES WITH EXPOSED DECKING.

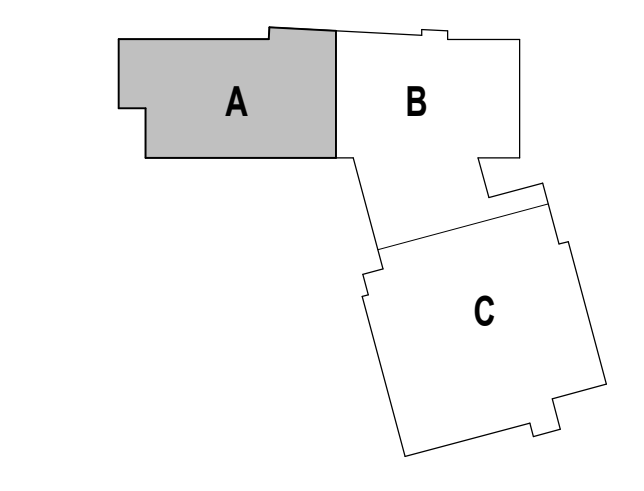
ADD-4 ADDENDUM #4 01.16.2024

100% CONSTRUCTION DOCUMENTS

KEY PLAN NORTH ARROW



KEYPLAN



DRAWING NAME:

CTE BIOMEDICAL ENLARGED PLANS AND INTERIOR ELEVATIONS

DRAWN BY: MS / BFC / MCT

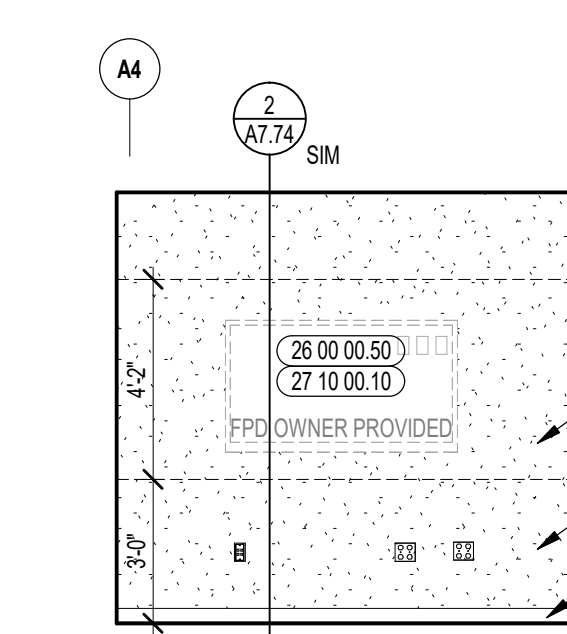
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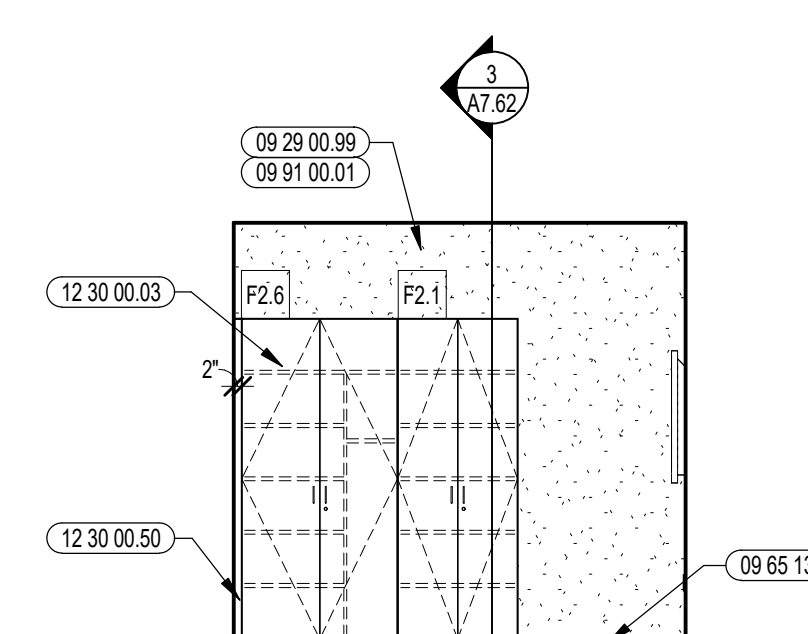
JOB NO.: 2202.02

DATE: OCTOBER 13, 2023 **A9.33**

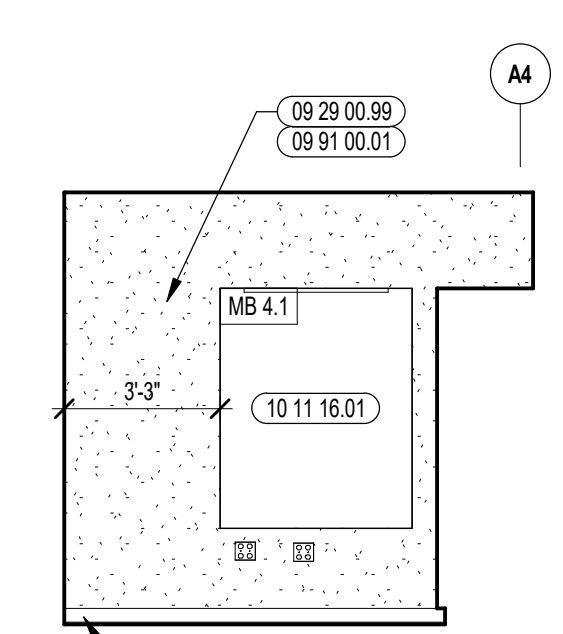
SINKS, FIXTURES & FITTINGS	
THE MANUFACTURER & MODEL NUMBERS IDENTIFIED BELOW ARE INTENDED TO ESTABLISH A GENERAL LEVEL OF QUALITY, CONFIGURATION & APPEARANCE REQUIRED. THIS IS NOT A PROPRIETARY SPECIFICATION. IT SHOULD BE NOTED THAT OR APPROVED EQUIV. APPLIES TO ALL UNITS NOTED HEREIN. IT IS UNDERSTOOD THAT ALL MANUFACTURERS WILL HAVE MINOR VARIATIONS IN APPEARANCE & PRODUCT SPECIFICATIONS & SUCH MINOR VARIATIONS SHALL NOT BE IMPOSED ON SUCH MANUFACTURERS AS AN APPROVED EQUIV.	
NUMBERED ITEMS ARE FURNISHED BY 12.30.00 AND INSTALLED BY 22.00.00. LETTERED ITEMS ARE FURNISHED AND INSTALLED BY 12.30.00.	
MANUFACTURER	MODEL NO. / DESCRIPTION
1 REFER TO FIXTURE SCHEDULE ON PLUMBING DRAWINGS	GC TO COORDINATE ALL DRILLED OPENINGS IN COUNTERTOP WITH ACCEPTED FIXTURES PRIOR TO INSTALLATION.
2 REFER TO FIXTURE SCHEDULE ON PLUMBING DRAWINGS	GC TO COORDINATE ALL DRILLED OPENINGS IN COUNTERTOP WITH ACCEPTED FIXTURES PRIOR TO INSTALLATION.
3.2 REFER TO FIXTURE SCHEDULE ON PLUMBING DRAWINGS	GC TO COORDINATE ALL DRILLED OPENINGS IN COUNTERTOP WITH ACCEPTED FIXTURES PRIOR TO INSTALLATION.
4 REFER TO FIXTURE SCHEDULE ON PLUMBING DRAWINGS	GC TO COORDINATE ALL DRILLED OPENINGS IN COUNTERTOP WITH ACCEPTED FIXTURES PRIOR TO INSTALLATION.
SA	EPOXY RESIN INTEGRAL SINK 18" x 14" x 8" D CLEAR
SB	EPOXY RESIN INTEGRAL SINK 18" x 17" x 8" D CLEAR



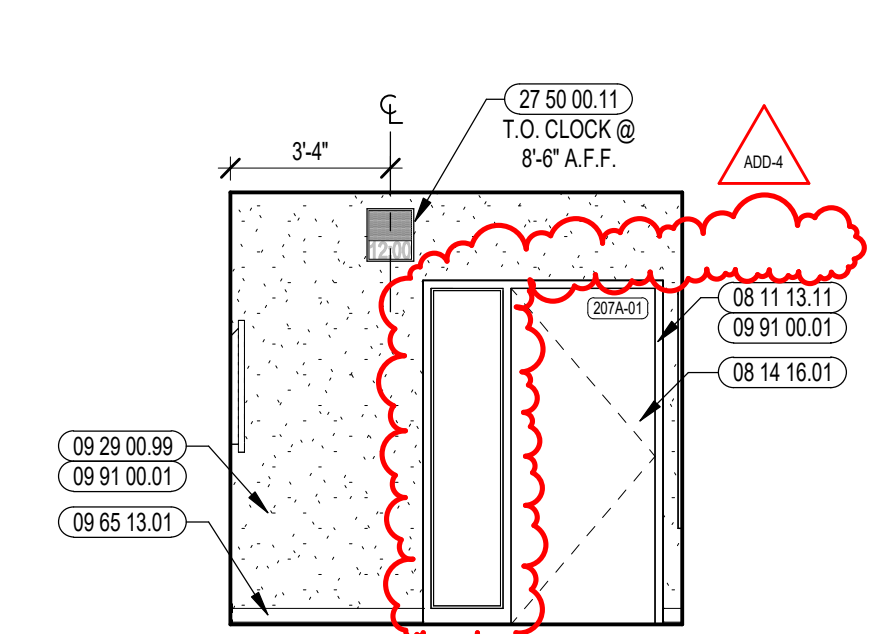
1 SMALL GROUP INTERIOR ELEVATION
1/4" = 1'-0"



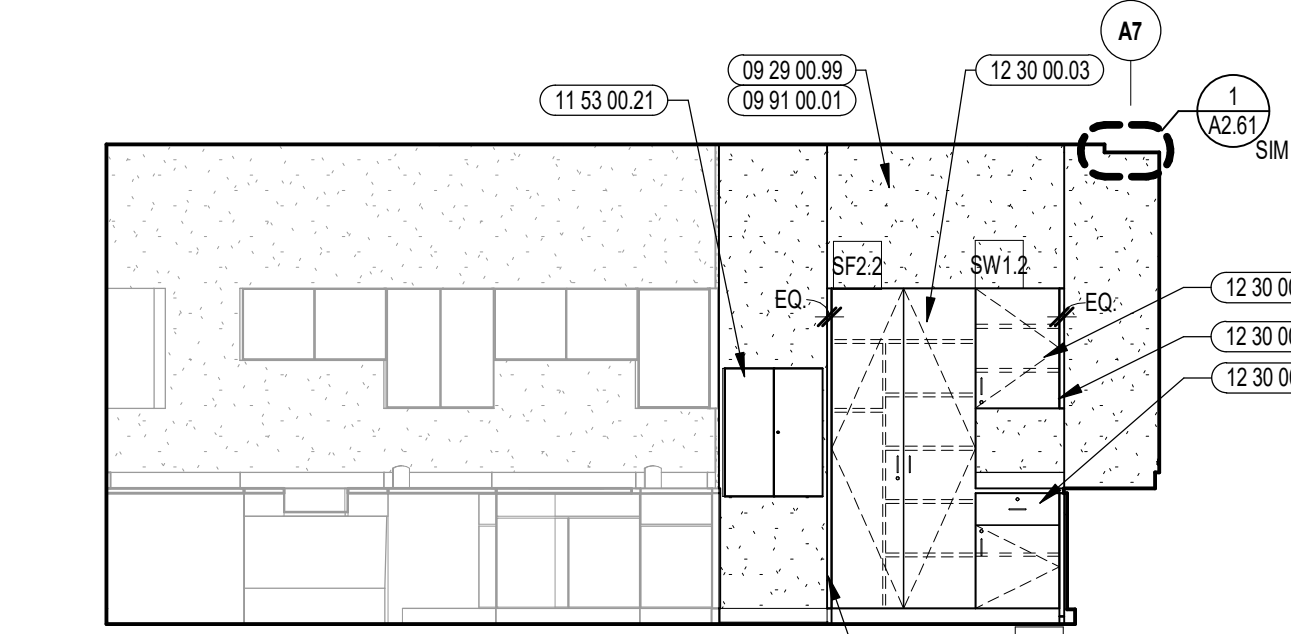
2 SMALL GROUP INTERIOR ELEVATION
1/4" = 1'-0"



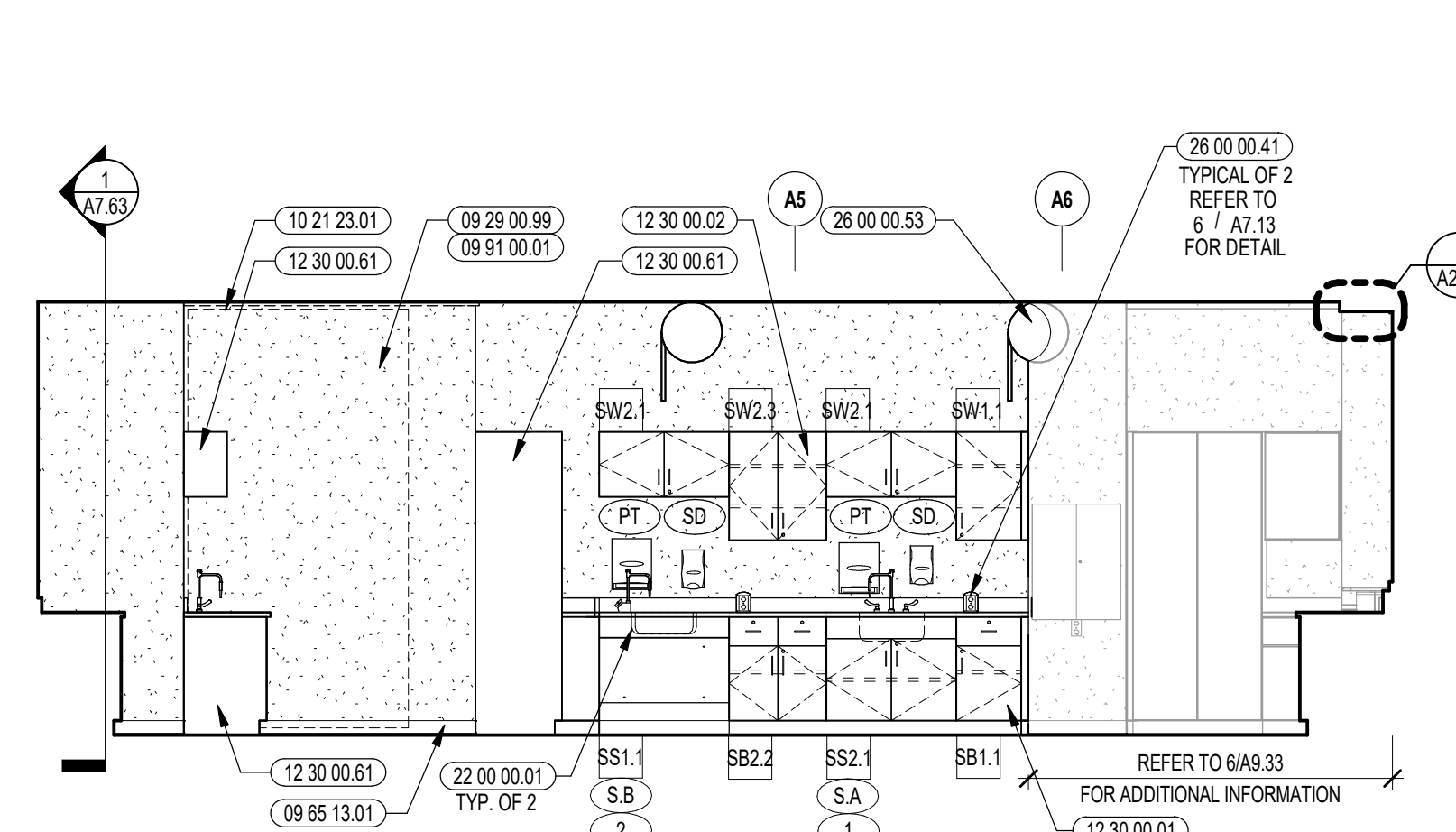
3 SMALL GROUP INTERIOR ELEVATION
1/4" = 1'-0"



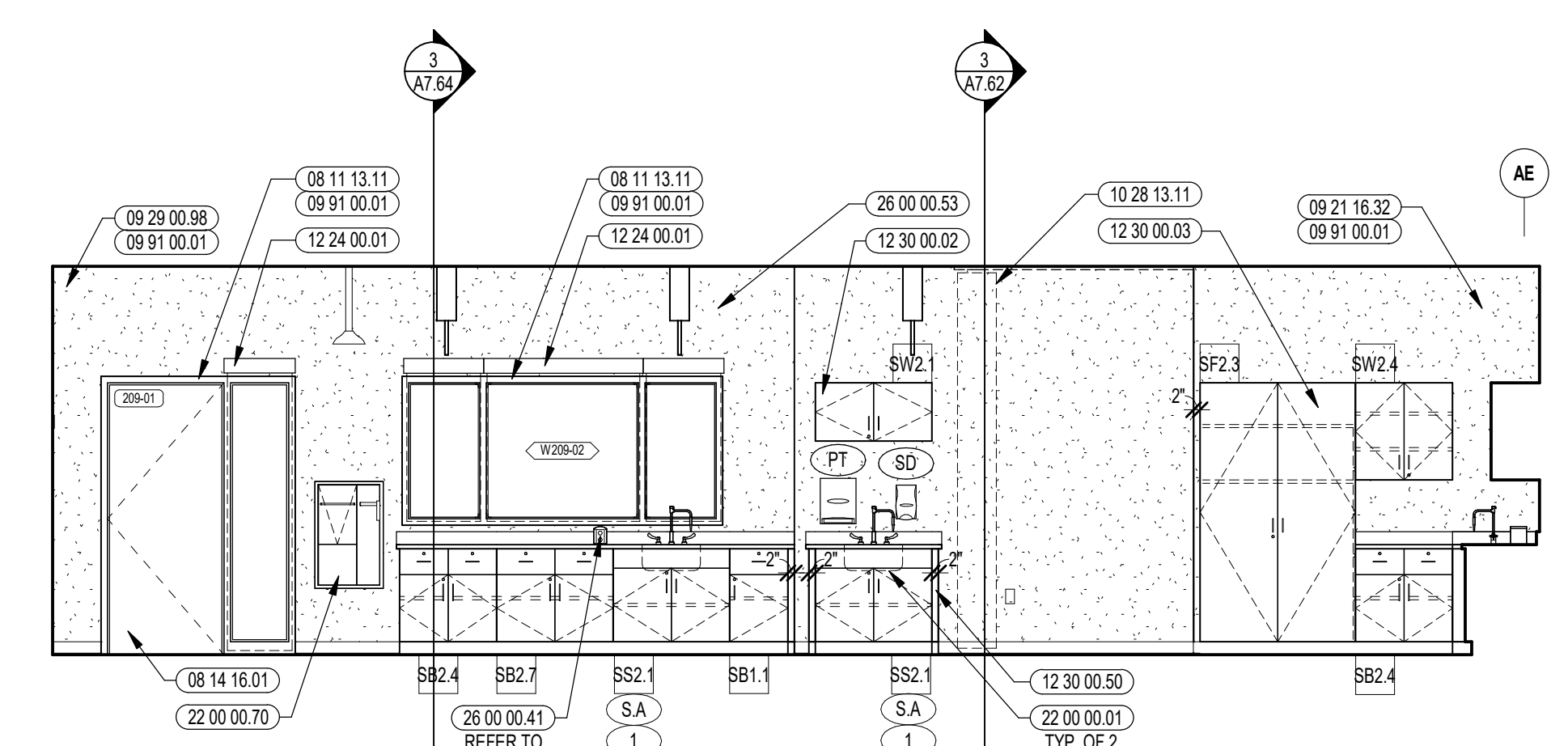
4 SMALL GROUP INTERIOR ELEVATION
1/4" = 1'-0"



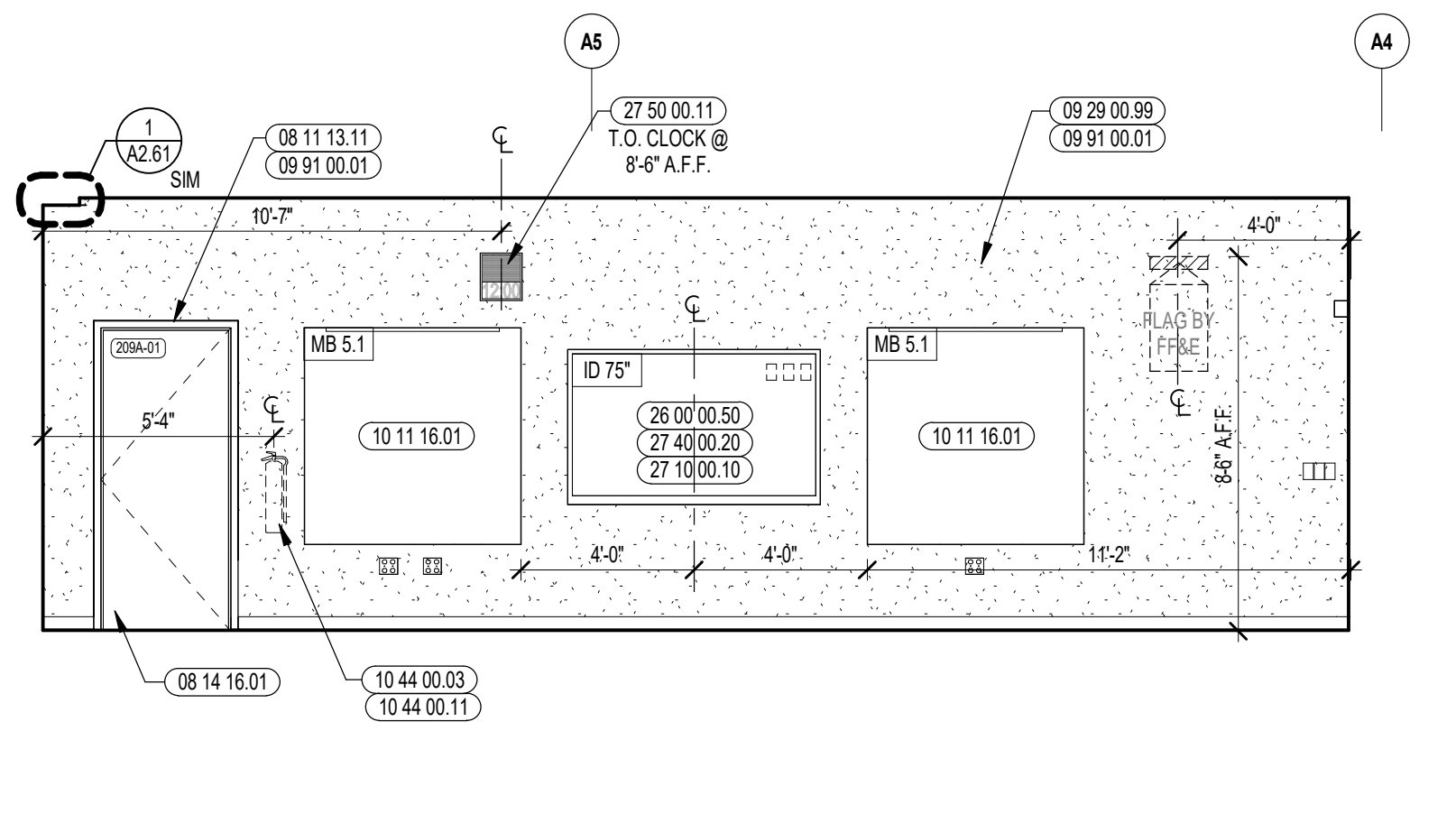
5 CTE BIOMEDICAL / SCIENCE INTERIOR ELEVATION
1/4" = 1'-0"



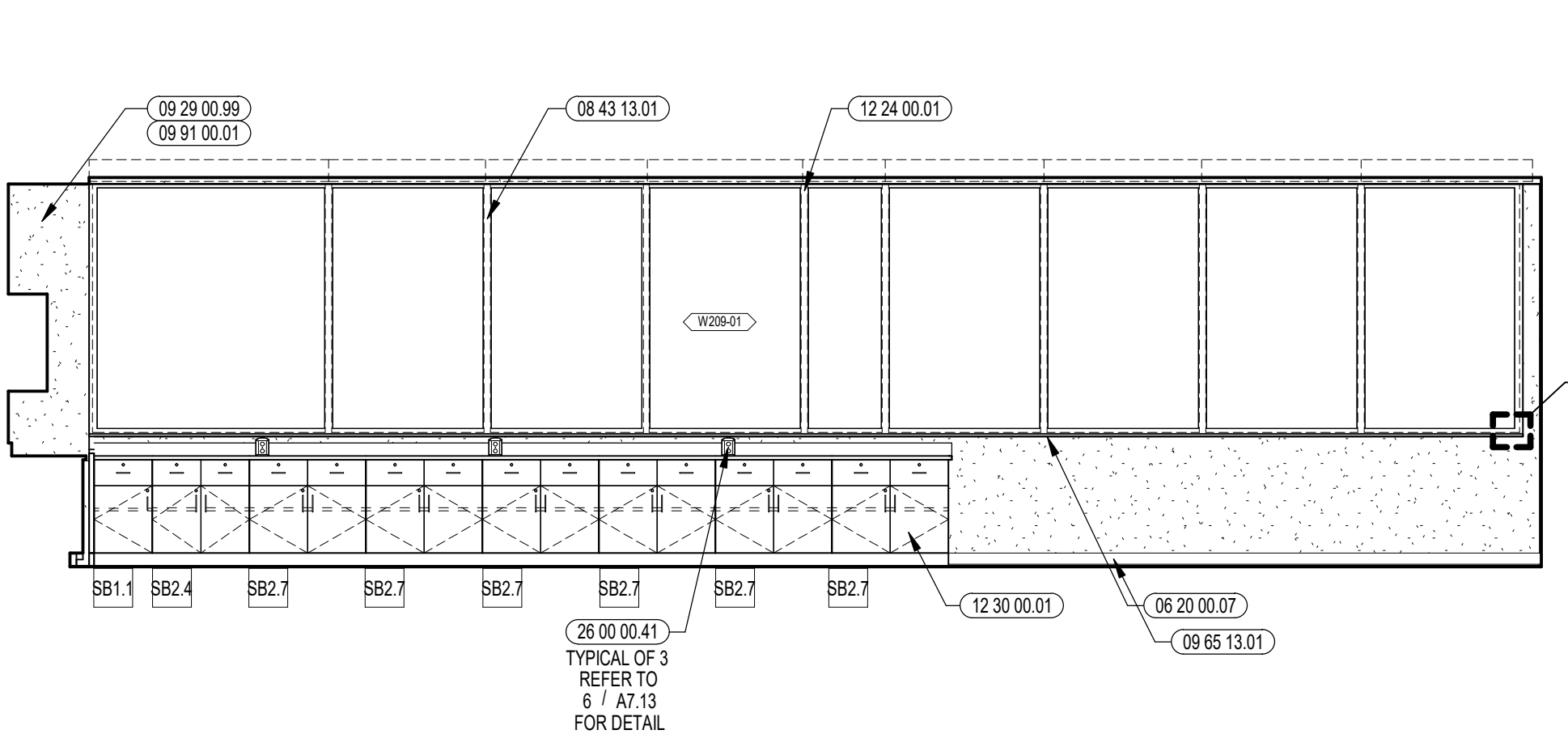
6 CTE BIOMEDICAL / SCIENCE INTERIOR ELEVATION
1/4" = 1'-0"



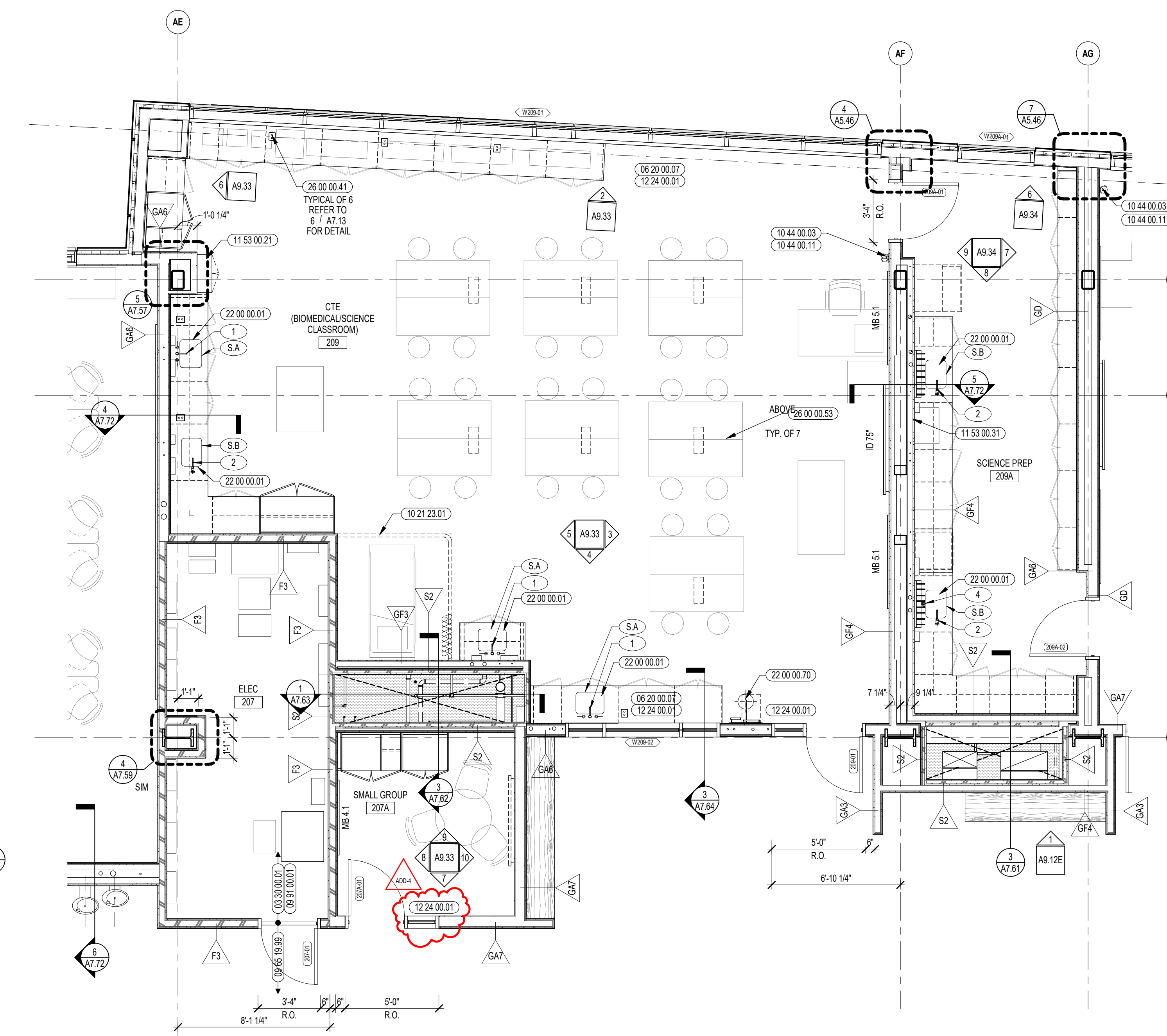
7 CTE BIOMEDICAL / SCIENCE INTERIOR ELEVATION
1/4" = 1'-0"



8 CTE BIOMEDICAL / SCIENCE INTERIOR ELEVATION
1/4" = 1'-0"



9 CTE BIOMEDICAL / SCIENCE INTERIOR ELEVATION
1/4" = 1'-0"



1 CTE BIOMEDICAL / SCIENCE ENLARGED PLAN
1/4" = 1'-0"



CENTRAL FALLS HIGH SCHOOL
10 HIGGINSON AVE, CENTRAL FALLS, RI

KEYNOTE LEGEND:

- 05 50 00.83 SENSORY SWING HEAVY DUTY STEEL HANGER
- 06 20 00.07 HARDWOOD SILL - TRANSPARENT FINISH
- 07 95 13.06 EXPANSION JOINT COVER - 2 INCH - INTERIOR - WALL / WALL OR CEILING / CEILING - GYPSUM BASE
- 08 11 13.11 STEEL FRAME - SEE SCHEDULE FOR TYPES
- 08 14 16.01 SOLID CORE FLUSH WOOD DOOR - SEE DOOR SCHEDULE
- 08 43 13.01 ALUMINUM STOREFRONT FRAME
- 09 29 00.01 5/8 INCH GYPSUM BOARD - LEVEL 4 FINISH - 1 LAYER
- 09 29 00.11 5/8 INCH PLYWOOD - FIRE RETARDANT TREATED
- 09 29 00.99 GYPSUM BOARD SYSTEM - LEVEL 4 FINISH - REFER TO FLOOR PLANS AND WALL TYPES FOR COMPONENTS
- 09 65 13.01 RUBBER BASE - 4 INCH
- RIF - REFERENCE SCHEDULE AND SAMPLE PATTERNS FOR TYPE
- 09 65 23.01 RUBBER FLOOR TILE - HAMMERED PROFILE - STAIR TREADS/RSERS AND LANDINGS
- 09 65 23.03 RUBBER FLOOR TILE - ATHLETIC
- 09 91 00.01 PAINT - SEE SCHEDULE
- 10 22 39.01 FOLDING PANEL PARTITION - TYPE 1
- 10 44 00.01 FIRE EXTINGUISHER CABINET - FULLY RECESSED
- 10 44 00.03 FIRE EXTINGUISHER WALL MOUNTED
- 10 44 00.11 FIRE EXTINGUISHER
- 11 31 00.31 ICE MACHINE
- 11 66 23.01 WALL PADDING - TYPE 1
- 12 24 00.01 ROLLER SHADE
- 12 24 00.02 ROLLER SHADE - ELECTRICALLY OPERATED
- 26 00 00.50 ELECTRICAL OUTLET - SEE ELECTRICAL
- 27 10 00.10 DATA OUTLET - SEE TECHNOLOGY
- 27 40 00.20 DISPLAY - INTERACTIVE - SEE TECHNOLOGY
- 27 50 00.11 CLOCK - SEE TECHNOLOGY

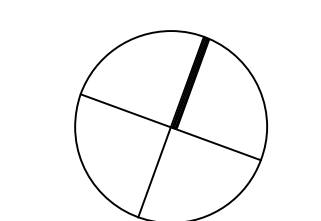
GENERAL NOTES:

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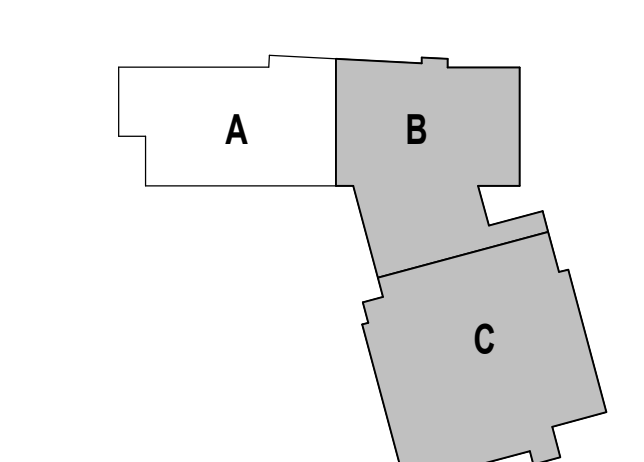
ADD-4 ADDENDUM #4 01.16.2024

100% CONSTRUCTION DOCUMENTS

KEY PLAN NORTH ARROW



KEYPLAN



DRAWING NAME:

FITNESS CENTER APE ENLARGED PLANS AND INTERIOR ELEVATIONS

DRAWN BY: MS / BFC / MCT

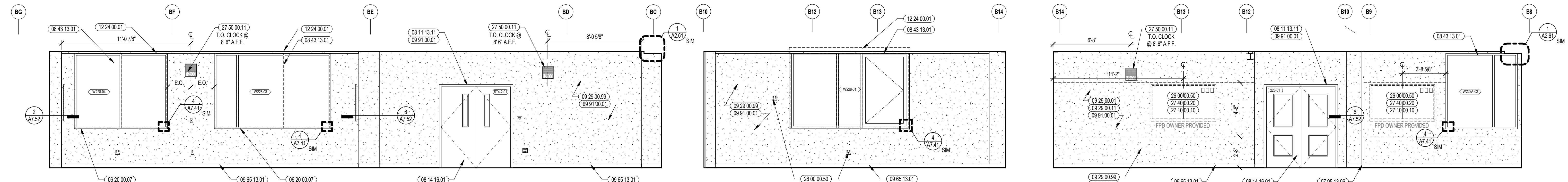
REVIEWED BY: CHR / KK

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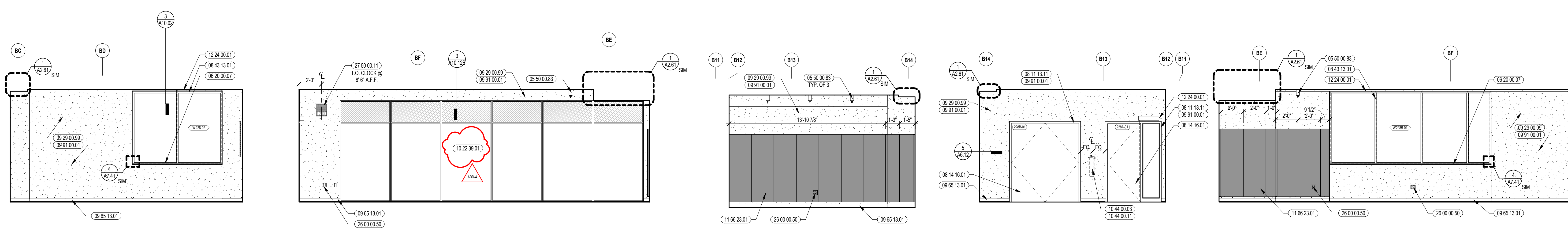
JOB NO.: 2202.02

DATE: OCTOBER 13, 2023

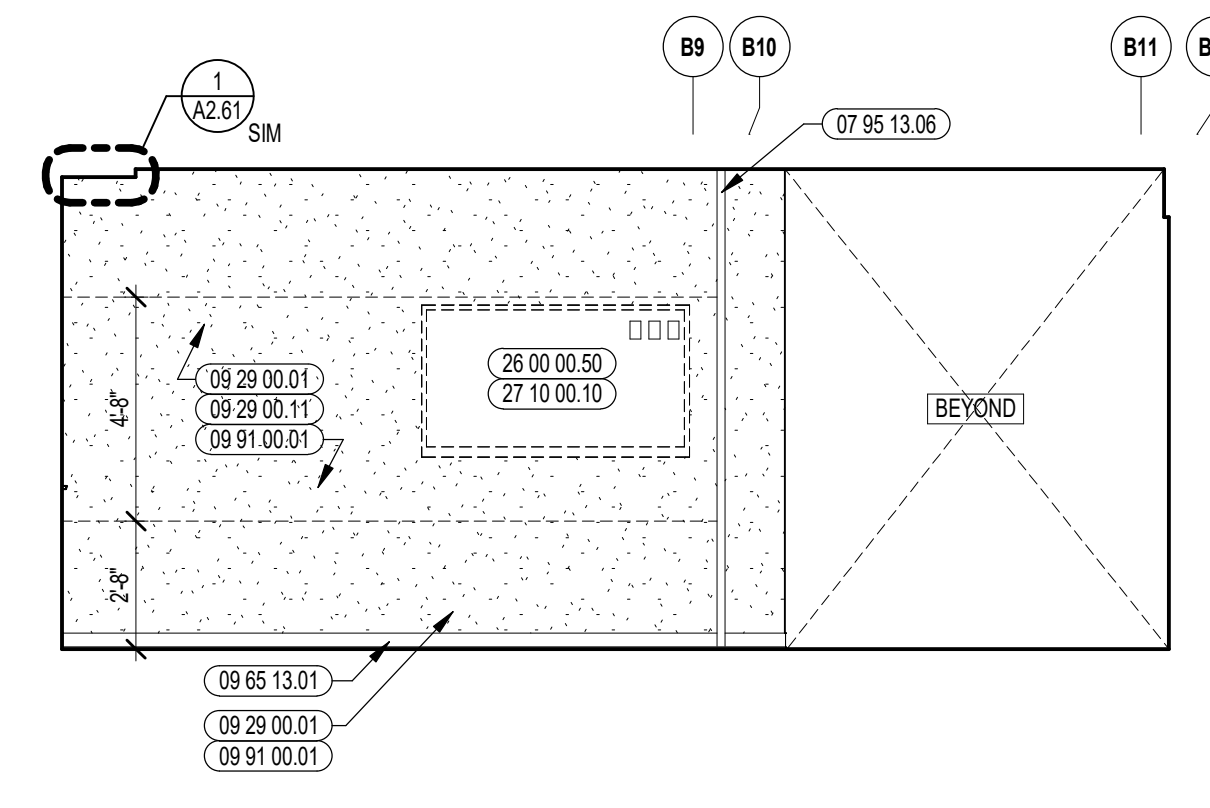
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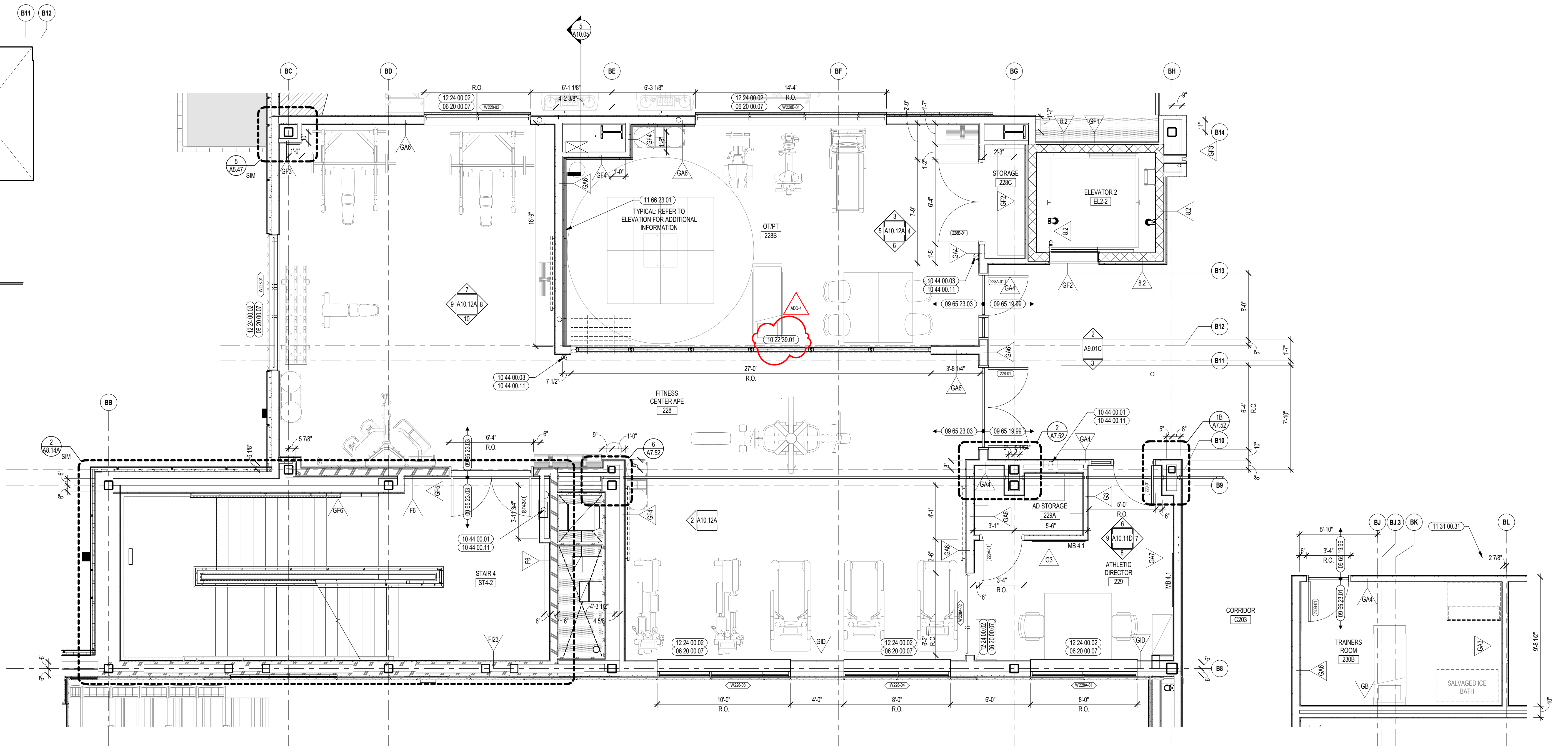
8 FITNESS CENTER/OT/PT INTERIOR ELEVATION 1/4" = 1'-0"
9 FITNESS CENTER/OT/PT INTERIOR ELEVATION 1/4" = 1'-0"
10 FITNESS CENTER/OT/PT INTERIOR ELEVATION 1/4" = 1'-0"



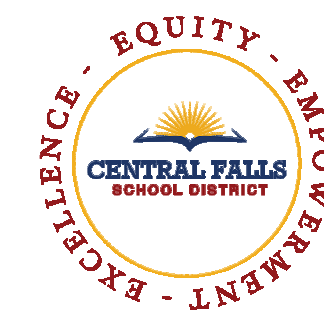
3 FITNESS CENTER/OT/PT INTERIOR ELEVATION 1/4" = 1'-0"
4 FITNESS CENTER/OT/PT INTERIOR ELEVATION 1/4" = 1'-0"
5 FITNESS CENTER/OT/PT INTERIOR ELEVATION 1/4" = 1'-0"
6 FITNESS CENTER/OT/PT INTERIOR ELEVATION 1/4" = 1'-0"
7 FITNESS CENTER/OT/PT INTERIOR ELEVATION 1/4" = 1'-0"



2 FITNESS CENTER/OT/PT INTERIOR ELEVATION 1/4" = 1'-0"



1 FITNESS CENTER/OT/PT ENLARGED PLAN 1/4" = 1'-0"



CENTRAL FALLS HIGH SCHOOL
10 HIGGINSON AVE, CENTRAL FALLS, RI

KEYNOTE LEGEND:

- 03 30 00 03 CONCRETE SLAB ON DECK - SEE STRUCTURAL
- 05 12 00 01 STEEL BEAM - SEE STRUCTURAL
- 05 31 00 01 COMPOSITE STEEL DECK - SEE STRUCTURAL
- 05 40 00 06 STEEL STUDS - 6 INCH - 16 INCHES O.C. MAX
- 05 50 00 14 STEEL ANGLE - 2 x 2 x 1/4 - CEILING HANGER
- 05 50 00 15 STEEL ANGLE - 3 x 3 x 1/4 - CEILING HANGER
- 05 50 00 21 STEEL TUBE - SEE STRUCTURAL
- 05 50 00 23 STEEL BEAM - SEE STRUCTURAL
- 05 50 00 41 STEEL PLATE - 1/4 INCH THICK - SIZE AS NOTED OR DRAWN
- 05 50 00 44 STEEL PLATE - 1/2 INCH THICK - SIZE AS NOTED OR DRAWN
- 05 50 00 81 ANCHOR BOLT
- 05 50 00 83 SENSORY SWING HEAVY DUTY STEEL HANGER
- 07 21 00 22 GLASS FIBER ACOUSTICAL BLANKET INSULATION - MATCH DEPTH OF STUD - UNFACED
- 09 29 00 04 5/8 INCH GYPSUM BOARD - LEVEL 4 FINISH - 2 LAYERS EACH SIDE
- 09 29 00 43 CORNER BEAD
- 09 51 00 51 ACT SUSPENSION SYSTEM
- 09 51 00 52 EDGE MOLDING SYSTEM
- 09 51 00 99 ACOUSTICAL CEILING - REFERENCE REFLECTED CEILING PLANS FOR TYPE AND HEIGHT
- 09 91 00 01 PAINT - SEE SCHEDULE
- 10 22 39 01 FOLDING PANEL PARTITION - TYPE 1

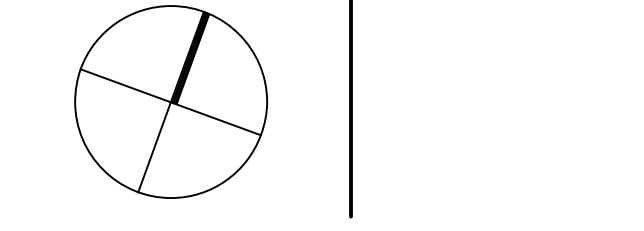
GENERAL NOTES:

1. NOT ALL POWER AND DATA (OUTLET) SWITCHING LOCATIONS SHOWN. COORDINATE WITH ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ALL LOCATIONS.
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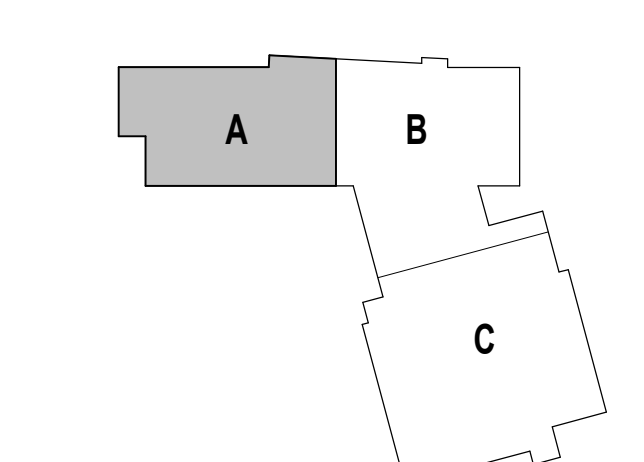
ADD-4 ADDENDUM #4 01.16.2024

100% CONSTRUCTION DOCUMENTS

KEY PLAN NORTH ARROW



KEYPLAN



DRAWING NAME:

O.T./P.T. REFLECTED CEILING PLAN AND DETAILS

DRAWN BY: MS / BFC / MCT

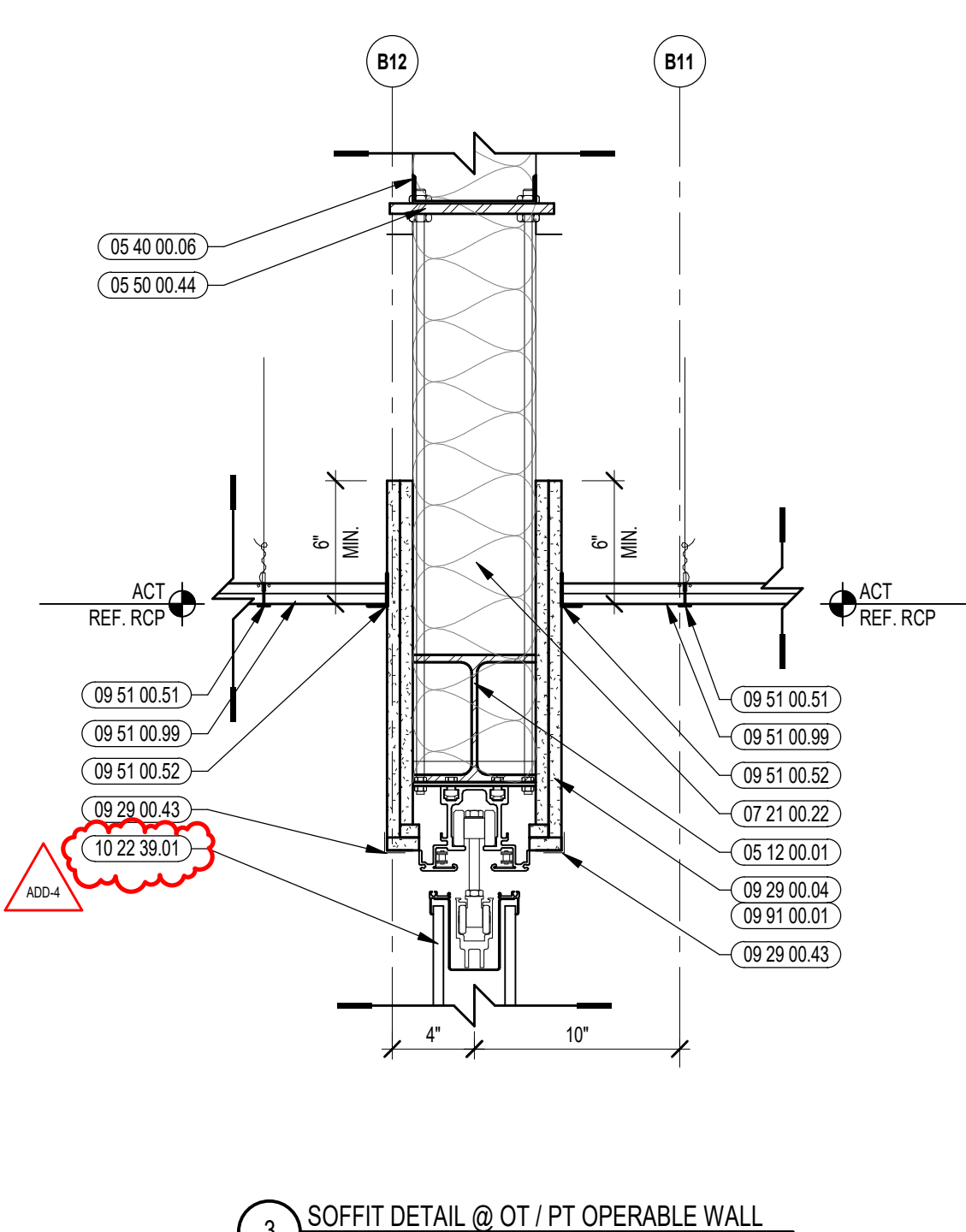
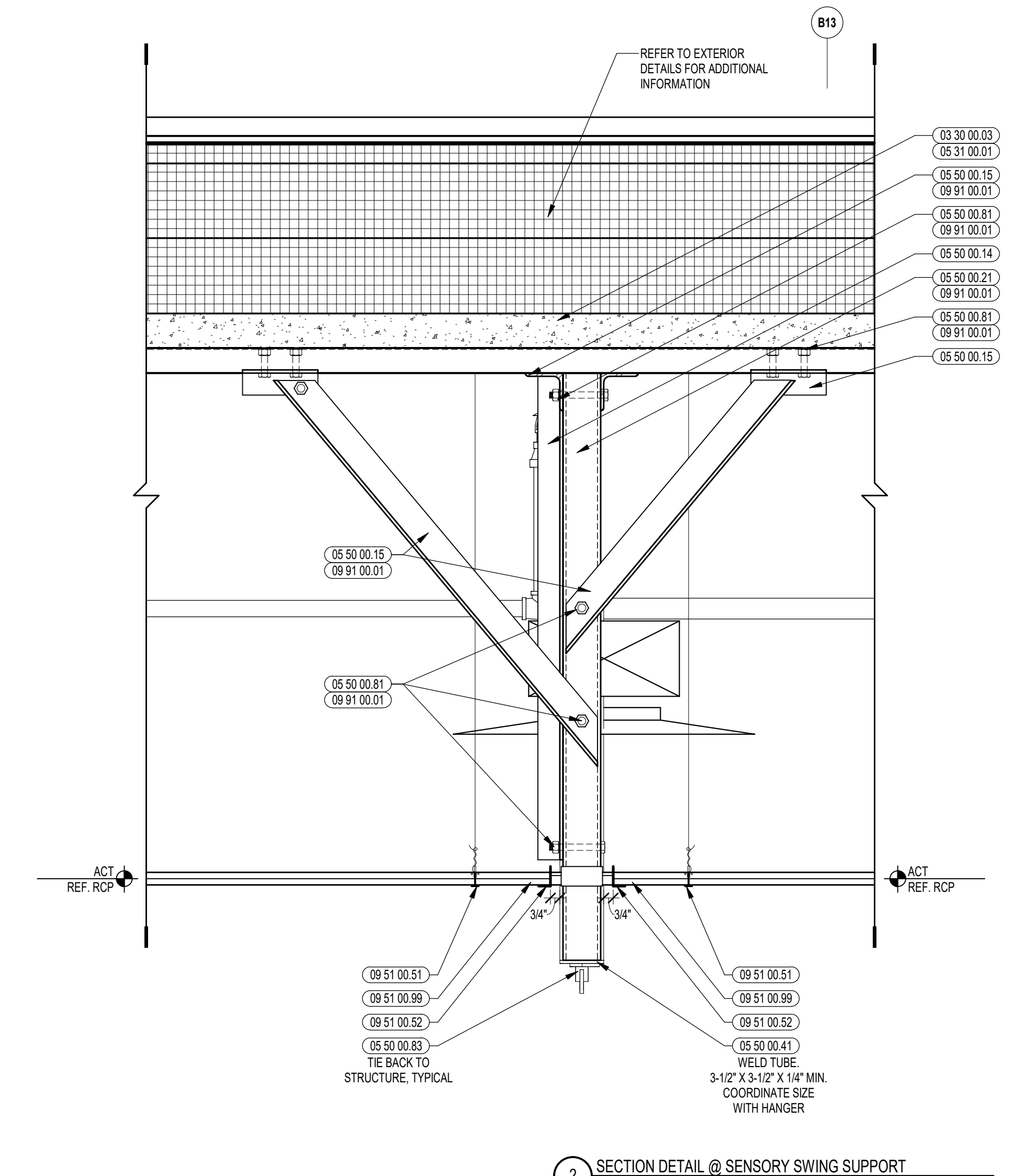
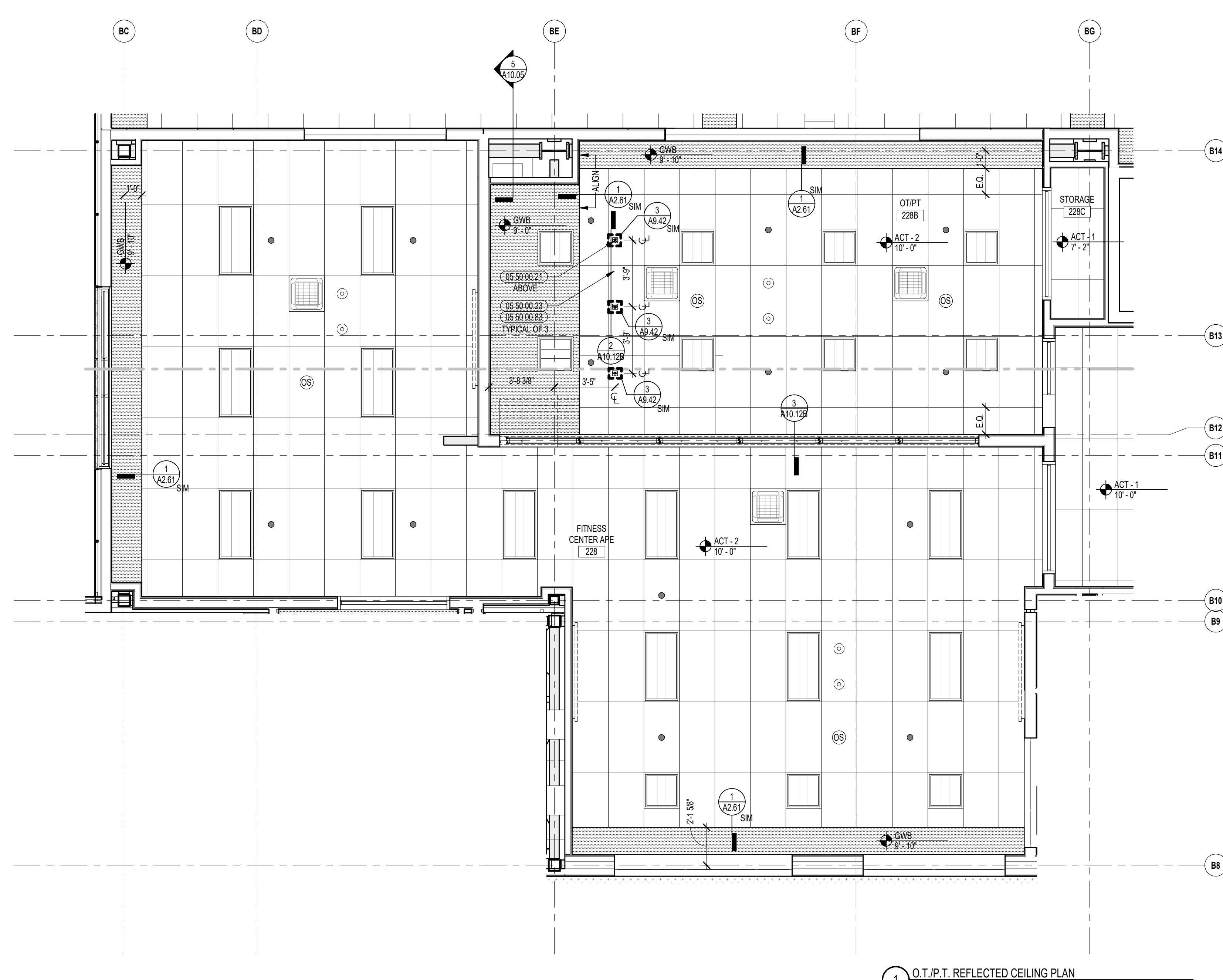
REVIEWED BY: CHR / KK

SCALE: AS INDICATED | DRAWING NUMBER:

JOB NO.: 2202.02

DATE: OCTOBER 13, 2023

A10.12B



3 SOFFIT DETAIL @ OT / PT OPERABLE WALL
1/12" = 1'-0"

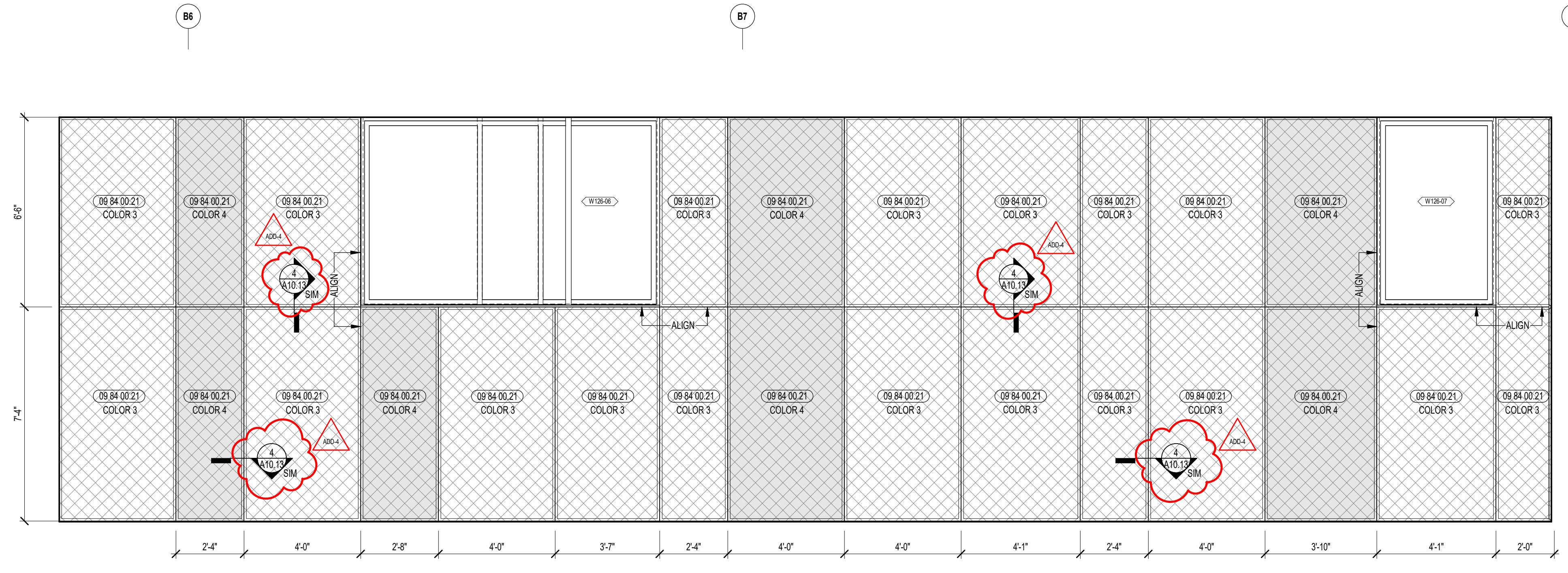
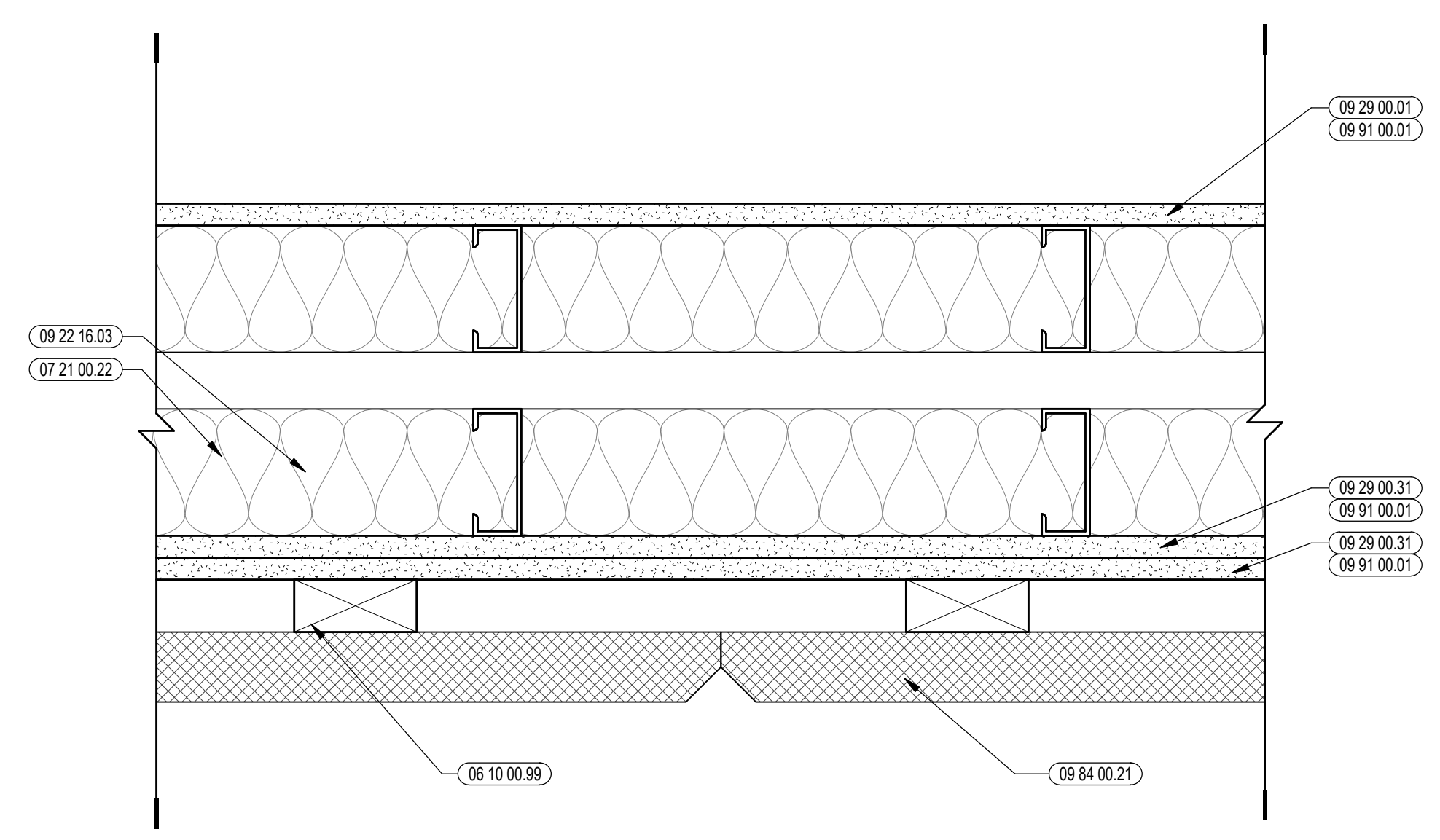
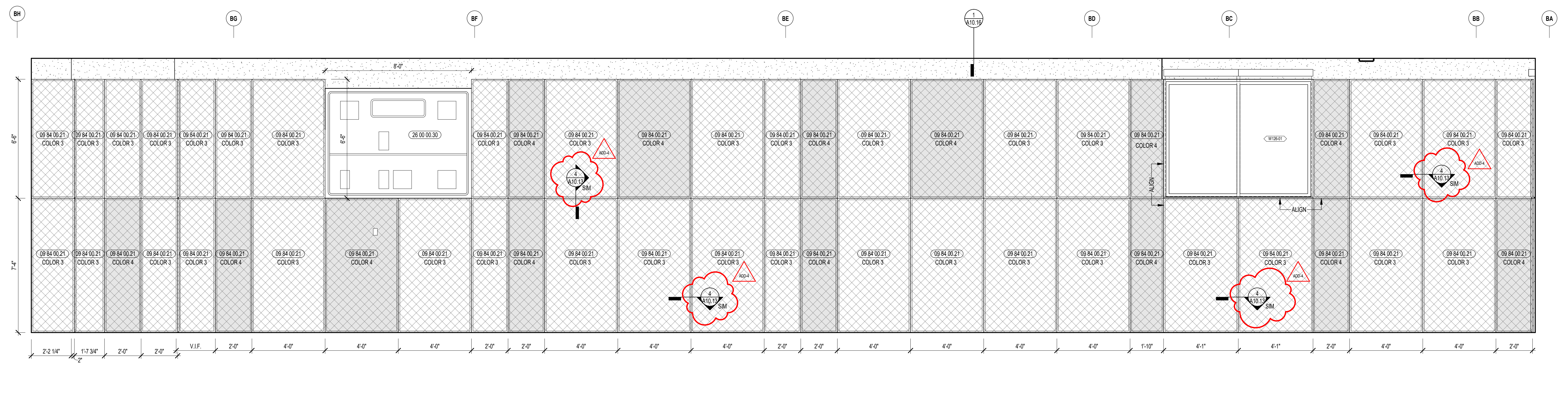
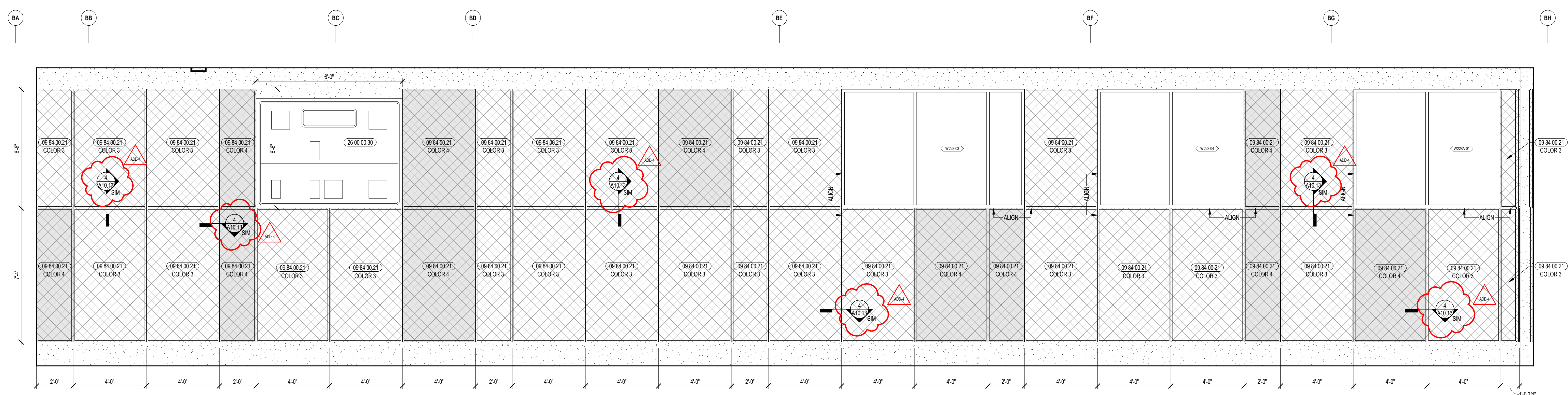
2 SECTION DETAIL @ SENSORY SWING SUPPORT
1/12" = 1'-0"

1 O.T./P.T. REFLECTED CEILING PLAN
1/8" = 1'-0"



CENTRAL FALLS HIGH SCHOOL
10 HIGGINSON AVE, CENTRAL FALLS, RI

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- KEYNOTE LEGEND:**
- 08 10 00 99 WOOD BLOCKING - SIZE AS NOTED OR DRAWN
 - 07 21 00 22 GLASS FIBER ACOUSTICAL BLANKET INSULATION - MATCH DEPTH OF STUD - UNFAECED
 - 09 22 16 03 METAL STUD 3-5/8 INCH - 16 INCHES O.C. MAX
 - 09 29 00 01 5/8 INCH GYPSUM BOARD - LEVEL 4 FINISH - 1 LAYER
 - 09 29 00 31 5/8 INCH GYPSUM BOARD - LEVEL 4 FINISH - IMPACT RESISTANT
 - 09 84 00 21 ACOUSTICAL PANEL - WALL MOUNTED - TECTUM - TYPE
 - 09 91 00 01 PAINT - SEE SCHEDULE
 - 28 00 00 30 SCOREBOARD - SEE ELECTRICAL

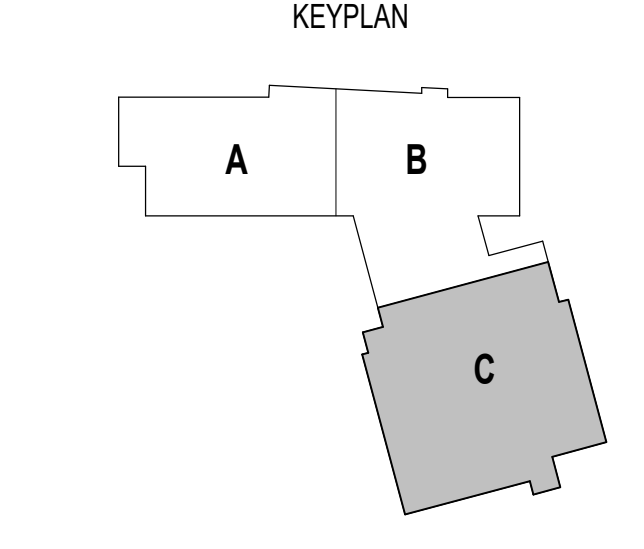
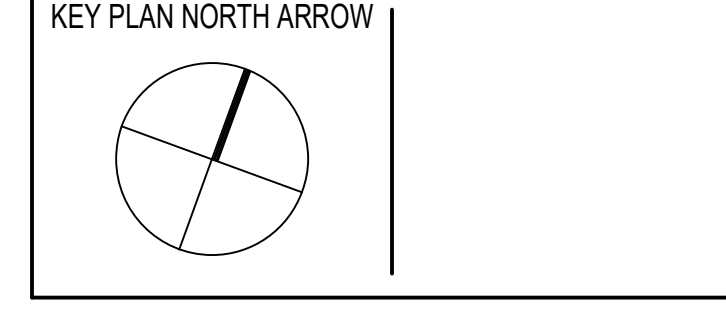
ACOUSTIC PANEL LEGEND

COLOR 1	COLOR 2	COLOR 3	COLOR 4
COLOR 5	COLOR 6		

- GENERAL NOTES:**
1. ALL EQUIPMENT AND INSTALLATIONS SHALL MAINTAIN A MINIMUM OF 2'-0" CLEAR AIR SPACE ABOVE FINISHED FLOOR, MINIMUM
 2. NOT ALL POWER AND DATA OUTLET(S) SWITCHING LOCATIONS SHOWN. COORDINATE WITH ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ALL LOCATIONS. REFER TO DETAILS ON A7.51 FOR FIRE EXTINGUISHER DETAILS AND MOUNTING HEIGHTS.
 3. ALL EXPOSED STRUCTURAL MEMBERS & MEPP SHALL RECEIVE PAINTED FINISH. U.N.O. HORIZONTAL PAINT TRANSITION LINE TO BE COORDINATED ON WALLS.
 4. BEHIND ALL WALL PADS & BLEACHERS, PROVIDE TWO LAYERS OF 5/8" PLYWOOD (09 29 00 09), IN PLACE OF ONE LAYER OF PLYWOOD & ONE LAYER OF GYPSUM WALL BOARD, FROM FINISH FLOOR TO 6'-0" A.F.F.
 5. GYPSUM WALL BOARD SHALL BE IMPACT RESISTANT GYPSUM BOARD FROM FLOOR LEVEL TO 12'-0" A.F.F.

ADD-4 ADDENDUM #4 01.16.2024

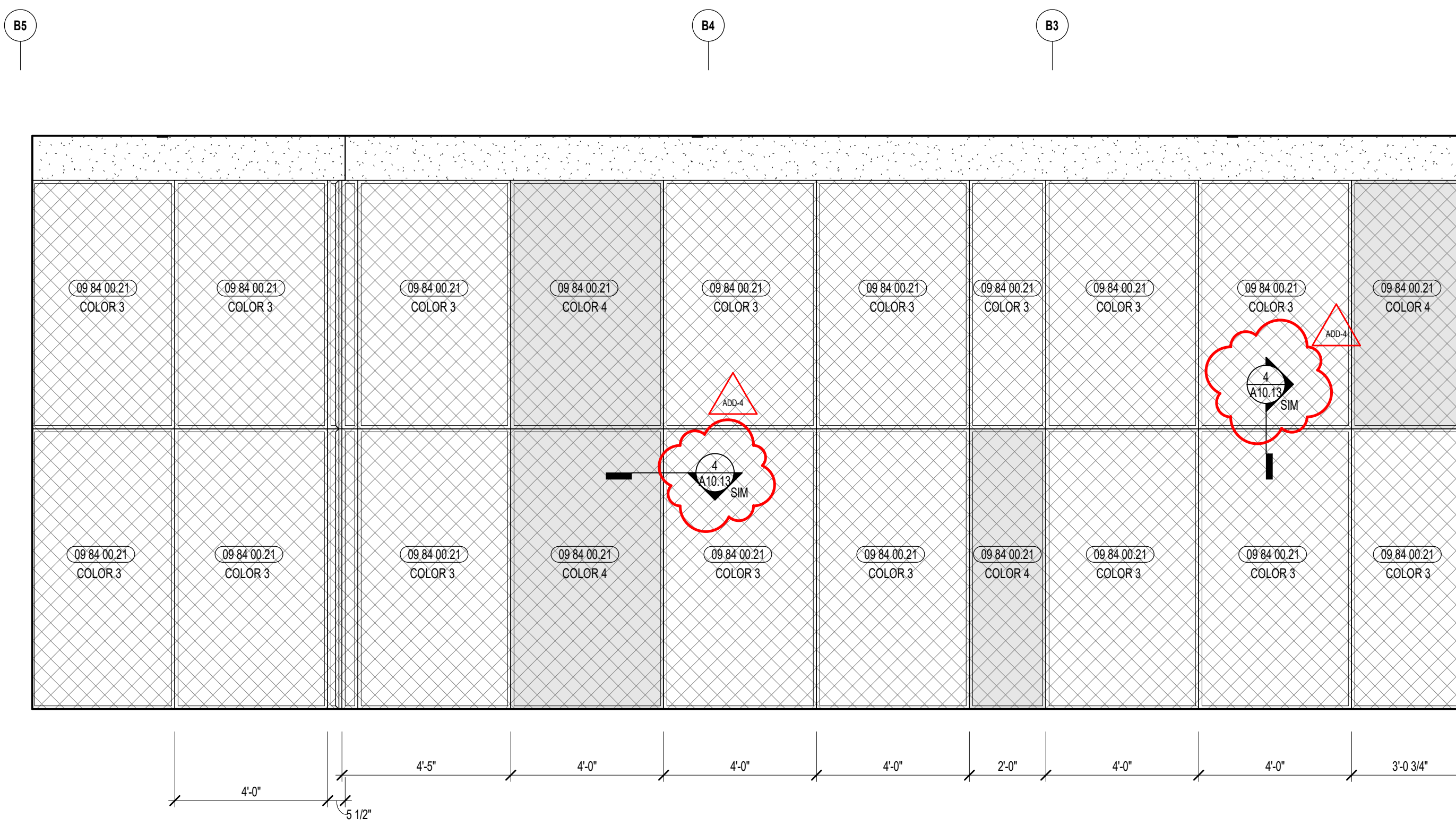
100% CONSTRUCTION DOCUMENTS



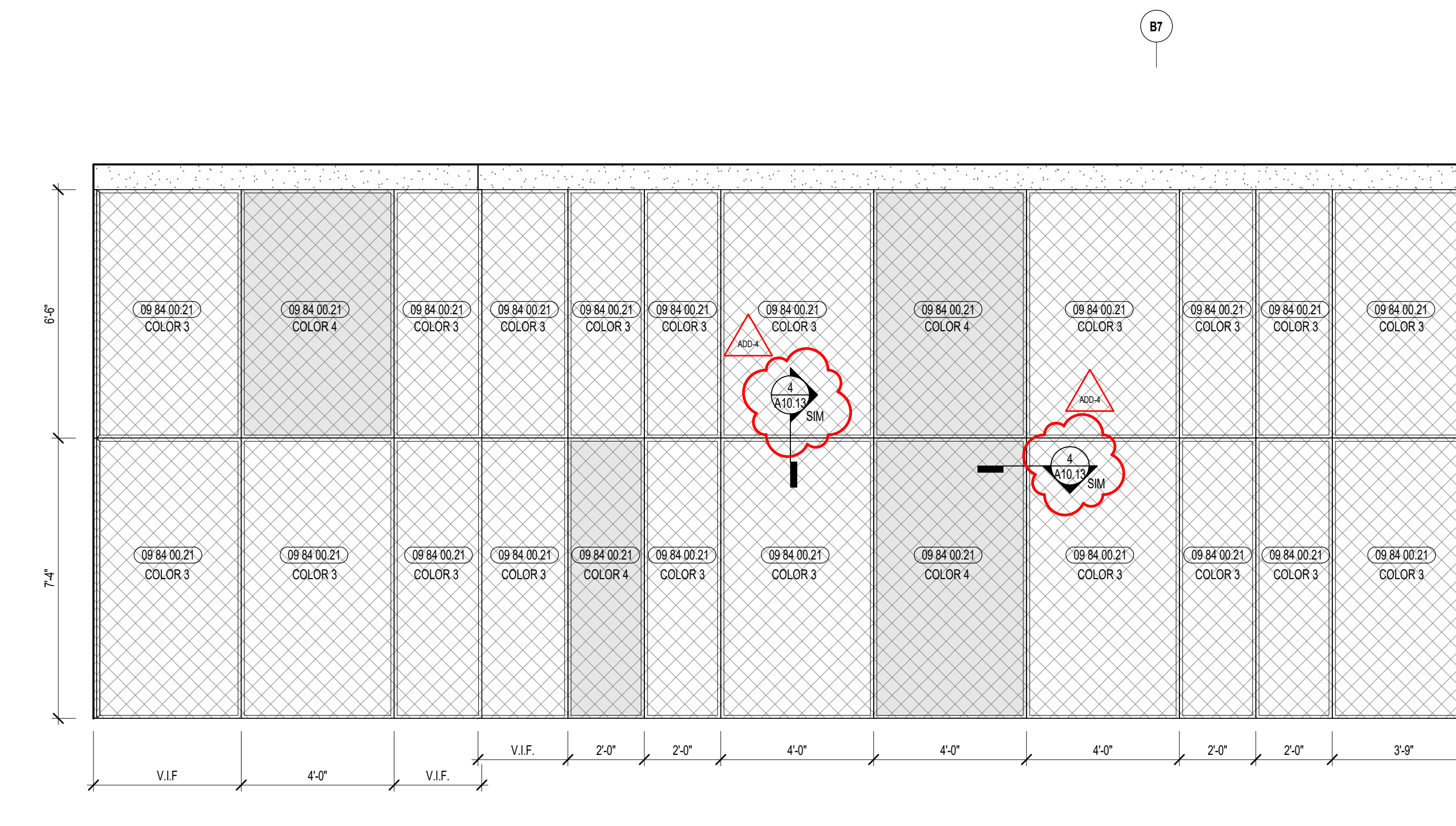
DRAWING NAME:

GYMNASIUM DETAILS

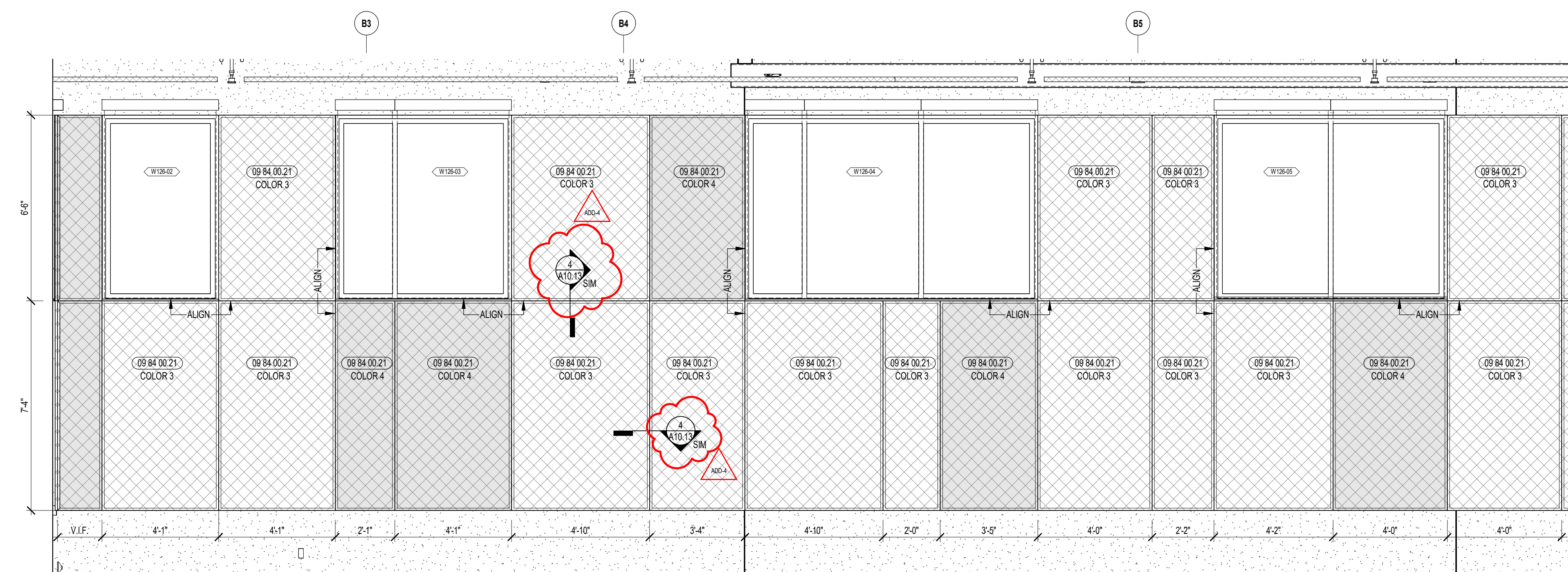
DRAWN BY: CHR / BFC / MCT
REVIEWED BY: CHR / KK
SCALE: AS INDICATED | DRAWING NUMBER:
JOB NO.: 2202.02 | **A10.13**
DATE: OCTOBER 13, 2023



3 ENLARGED INTERIOR ELEVATION @ TECTUM PANELS
3/8" = 1'-0"



2 ENLARGED INTERIOR ELEVATION @ TECTUM PANELS
3/8" = 1'-0"



1 ENLARGED INTERIOR ELEVATION @ TECTUM PANELS
3/8" = 1'-0"



CENTRAL FALLS HIGH SCHOOL
10 HIGGINSON AVE, CENTRAL FALLS, RI

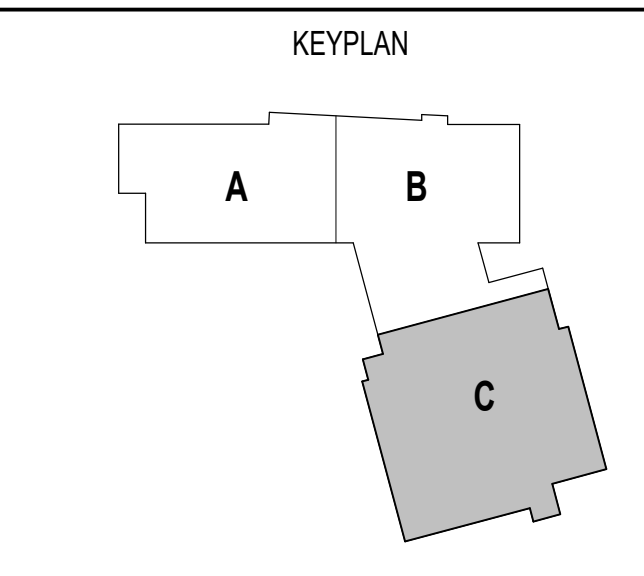
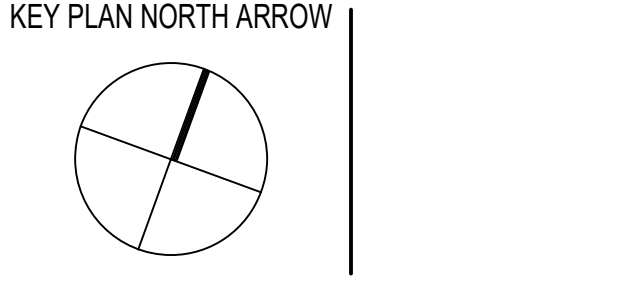
KEYNOTE LEGEND:
09 84 00 21 ACOUSTICAL PANEL - WALL MOUNTED - TECTUM - TYPE 1

ACOUSTIC PANEL LEGEND			

- GENERAL NOTES:**
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 5. GYPSUM WALL BOARD SHALL BE IMPACT RESISTANT GYPSUM BOARD FROM FLOOR LEVEL TO 12'-0" A.F.F.

ADD-4 ADDENDUM #4 01.16.2024

100% CONSTRUCTION DOCUMENTS



DRAWING NAME:

**GYMNASIUM
DETAILS**

DRAWN BY: CHR / BFC / MCT

REVIEWED BY: CHR / KK

SCALE: AS INDICATED DRAWING NUMBER:

JOB NO.: 2202.02

DATE: OCTOBER 13, 2023 **A10.14**

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	Document 00 21 13	Instructions to Bidders
	Document 00 41 13	Bid Form
	Document 00 43 13	Bid Security Form (<i>AIA Form A310, 2010</i>)
	Document 00 43 23	Bid Attachment – Alternates Form
	Document 00 43 93	Bid Submittal Checklist
ADD #2	Document 00 45 13	Bidder's Qualifications and Evaluation
	Document 00 45 15	Contractor's Qualification Statement (<i>AIA Form A305</i>)
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DIVISION 01 — GENERAL REQUIREMENTS

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	Section 01 23 00	Alternates
	Section 01 25 13	Product Substitution Procedures
	Section 01 26 13	Request for Interpretation
	Section 01 29 00	Payment Procedures
	Section 01 31 00	Project Management and Coordination
	Section 01 32 00	Construction Progress Documentation
	Section 01 33 00	Submittal Procedures
	Section 01 35 43	Environmental Procedures
	Section 01 41 00	Regulatory Requirements (<i>with 200-RICR-20-05-4 attached</i>)
	Section 01 41 17	Utilities Notification
	Section 01 42 00	References
	Section 01 43 39	Mock-Ups
	Section 01 45 00	Quality Control
	Section 01 45 23	Structural Tests and Special Instructions <i>with attachments:</i>

Statement of Special Inspections, Final Report Form

Section 01 45 29	Testing Laboratory Services
Section 01 50 00	Temporary Facilities and Controls
Section 01 56 39	Temporary Tree and Plant Protection
Section 01 60 00	Product Requirements
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Section 01 74 19	Construction Waste Management and Disposal
Section 01 75 00	Starting and Adjusting
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with attachment:

NE-CHPS Product Data Form

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 Section 09 29 00 Gypsum Board
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- Section 23 00 00 Heating, Ventilating and Air Conditioning
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- Section 28 00 00 Electronic Safety and Security

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- Section 31 00 00 Earthwork
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- Section 31 23 19 Dewatering and Drainage
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- Section 32 00 00 Bituminous Concrete Pavement, Curbing and Edging
- Section 32 12 17 Asphalt for Courts and Tracks
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APPENDICES

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Appendix B	NE-CHPS Project Scorecard
Appendix C	Building Enclosure Commissioning Plan
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Appendix F	Environmental Reports and Attachments: Letter of Responsibility Pre-Site Investigation Report & Safe School Siting Act Public Meeting Summary Release Notification Site Investigation Report Phase I Environmental Site Assessment and Limited Subsurface Investigation
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INSURANCE REQUIREMENTS

- A. The Insurance required by Subparagraph 11.1.2 of the General Conditions, AIA Form A201, 2017 edition, shall be written for not less than the following amounts, or greater if required by law
 - .1 Workers Compensation:

State:		Statutory
limits		
Federal:		Statutory
limits		
Employer’s liability:		
Accident, each occurrence:	\$	1,000,000
Disease, policy limit	\$	500,000
Disease, each employee:	\$	100,000

 - .2 Comprehensive General Liability (including Premises Operations; Independent Contractor’s Protection; Products and Completed Operations; Broad Form Property Damage):

Include Central Falls and Central Falls School District as additional insureds; include ongoing/completed operations per Project Aggregate endorsement.

General Aggregate:	\$	2,000,000
Products and Completed Operations:	\$	1,000,000
Personal & Advanced Injury:	\$	2,000,000
Each Occurrence:	\$	1,000,000
Fire Damage (any one fire):	\$	50,000
Medical Expenses (any one person):	\$	5,000

* Products and Completed Operations to be maintained for one year after final payment.

 - .3 Contractual Liability:

Bodily Injury:		
Each Occurrence:	\$	1,000,000
Property Damage:		
Each Occurrence:	\$	500,000
Annual Aggregate:	\$	2,500,000

 - .4 Umbrella Excess Liability, over primary insurance

Aggregate:	\$	5,000,000
Retention:	\$	10,000

 - .5 Personal Injury, with Employment Exclusion deleted:

Annual Aggregate: \$ 5,000,000

.6 Comprehensive Automobile Liability (any auto):
 Combined Single Limit: \$ 1,000,000

Include Central Falls and Central Falls School District as additional insureds.

B. BUILDER’S RISK (PROPERTY) INSURANCE [ADD #4]

1. In addition to, and as set forth in AIA A101-Exhibit A, the Contractor shall purchase and maintain, from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located, property insurance written on a builder’s risk “all-risks” completed value or equivalent policy form and sufficient to cover the total value of the entire Project on a replacement cost basis. The builder’s risk insurance shall be maintained until Substantial Completion and thereafter as provided in Section A.2.3.1.3, unless otherwise provided in the Contract Documents or otherwise agreed in writing by the parties to this Agreement. This insurance shall include the interests of the Owner, Contractor, Subcontractors, and Sub-subcontractors in the Project as insureds. This insurance shall include the interests of mortgagees as loss payees.
2. § 11.2.2 Failure to Purchase Required Property Insurance. If the Owner fails to purchase and maintain the required property insurance, with all of the coverages and in the amounts described in the Agreement or elsewhere in the Contract Documents, the Owner shall inform the Contractor in writing prior to commencement of the Work. Upon receipt of notice from the Owner, the Contractor may delay commencement of the Work and may obtain insurance that will protect the interests of the Contractor, Subcontractors, and Sub-Subcontractors in the Work. When the failure to provide coverage has been cured or resolved, the Contract Sum and Contract Time shall be equitably adjusted. In the event the Owner fails to procure coverage, the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent the loss to the Owner would have been covered by the insurance to have been procured by the Owner. The cost of the insurance shall be charged to the Owner by a Change Order. If the Owner does not provide written notice, and the Contractor is damaged by the failure or neglect of the Owner to purchase or maintain the required insurance, the Owner shall reimburse the Contractor for all reasonable costs and damages attributable thereto.
3. § 11.2.3 Notice of Cancellation or Expiration of Owner’s Required Property Insurance. Within three (3) business days of the date the Owner becomes aware of an impending or actual cancellation or expiration of any property insurance required by the Contract Documents, the Owner shall provide notice to the Contractor of such impending or actual cancellation or expiration. Unless the lapse in coverage arises from an act or omission of the Contractor: (1) the Contractor, upon receipt of notice from the Owner, shall have the right to stop the Work until the

lapse in coverage has been cured by the procurement of replacement coverage by either the Owner or the Contractor; (2) the Contract Time and Contract Sum shall be equitably adjusted; and (3) the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent any loss to the Owner would have been covered by the insurance had it not expired or been cancelled. If the Contractor purchases replacement coverage, the cost of the insurance shall be charged to the Owner by an appropriate Change Order. The furnishing of notice by the Owner shall not relieve the Owner of any contractual obligation to provide required insurance.

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Section 13 34 33

ENVIRONMENTALLY-CONTROLLED HYDROPONIC
CONTAINERIZED FARMING UNITS**PART 1 – GENERAL**

1.1 SUMMARY

- A. General: The work of this Section consists of prefabricated modified reconstructed shipping container for purpose of a self-contained vertical hydroponic farm where shown on the Drawings, as specified herein, and as required for a complete and proper installation..
- B. Furnish and install the following:
 - 1. Designed, pre-engineered and shop-fabricated, fully-assembled enclosed vertical farming unit having:
 - a. Specialized growing areas, including seedling trays and vertical hydroponic growing units.
 - b. Integrated system control.
 - c. Nutrient delivery system.
 - d. Lighting system.
 - e. Sound system.
 - f. Climate control system.

1.2 RELATED REQUIREMENTS

- A. Section 01 74 19 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL: Procedural and administrative requirements relating to recycling goals, waste management program and reporting.
- B. Section 01 81 13 - SUSTAINABLE DESIGN REQUIREMENTS: Procedural and administrative requirements relating to required *Northeast CHPS Verified Program*, (NE-CHPS) Certification.
- C. Section 03 30 00 - CAST-IN-PLACE CONCRETE: Concrete footings, grade beams and supporting slab foundation..
- D. Division 26 - ELECTRICAL: electrical supply.

1.3 REFERENCES

- A. Reference Standards: Comply with applicable requirements of the following standards and those others referenced in this Section, under the provisions of Section 01 42 00 - REFERENCES. Where these standards conflict with other specified requirements, the most restrictive requirements shall govern.
 - 1. AISC - Specification for the Design, Fabrication and Erection of Structural Steel for Buildings.
 - 2. ANSI A 117.1 - Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People.
 - 3. 2019 ICC G5 Guideline for the Safe Use of Intermodal Shipping Containers Repurpose as Buildings and Building Components.

4. SSPC - Steel Structures Painting Council.
 5. American Bureau of Shipping: Certification of Cargo Containers.
- B. Sustainability Requirement Reference: The following sustainability requirements are hereby made a part of this Section by reference thereto:
1. High Performance Schools Exchange, Northeast Energy Efficiency Partnerships NE-CHPS, (referred to herein as "NE-CHPS")..
- 1.4 ADMINISTRATIVE REQUIREMENTS
- A. Coordination:
1. General: Coordinate the work of this Section with the respective trades responsible for utility tie-ins for electricity, and water.
- 1.5 SUBMITTALS
- A. Information and Review Submittals: Submit the following under provisions of Section 01 33 00 - SUBMITTAL PROCEDURES:
1. Product Data: Manufacturer's product data sheets, specifications, performance data, physical properties and installation instructions for each item furnished hereunder.
 - a. Include data on profiles, component dimensions, fasteners, and sealants.
 - b. Provide drawings indicating both live and dead loads.
 2. Shop Drawings:
 - a. Elevations, plans and details: 1/4 inch scale interior elevations and plans, and large scale design details.
 - 1) Indicate system component dimensions, layout, construction details, anchorages and method of anchorage, method or installation. Show layouts of growth panels on support framing, details of joints, panel profiles, supports, anchorages, and special details. Distinguish between factory-assembled, and field-assembled work.
 - 2) Indicate welded connections where occurs, with AWS A2.0 welding symbols. Indicate net weld lengths.
 - 3) Indicate all connections and interface with adjoining work.
 - b. Anchor-Bolt Plans: Indicate framing anchor bolt settings, -sizes, and locations from datum, and foundation loads at each column location.
 3. Verification Samples:
 - a.
 4. Certificates:
 - a. Shop Finished Container Shell: Manufacturer's written certification stating that farming container components and all related items to be furnished hereunder, meet or exceed the requirements specified under this Section, and that shop finishing has been performed as specified.
 5. Delegated Design Submittals:
 - a. Furnish complete structural design analysis for all structural components of the shipping containers fully loaded with plants and equipment. Including information for possible stacking of units for Potential Owner's future expansion of systems.

- 6. Manufacturer's Instructions: Manufacturer's written installation instructions indicating preparation requirements, assembly sequence, special procedures, and field conditions requiring special attention.
- 7. Qualification Submittals:
 - a. Installer/Applicator: Manufacturer's written certification stating that erector is qualified, licensed, authorized and approved to install shipping container "containerized farm units and systems" in accordance with manufacturer's requirements.
- B. Closeout Submittals: Submit the following under provisions of Section 01 78 00 - CLOSEOUT SUBMITTALS.
 - 1. Bonds and Warranty Documentation:
 - a. Manufacturer's Warranties and Guarantees as specified elsewhere herein this Section.
 - 2. Record Documentation: Submit accurately record actual locations of concealed utilities.

1.6 QUALITY ASSURANCE

- A. General: Notify the Architect where conflicts apply between referenced standards and existing materials, and existing methods of construction.
 - 1. Engineer and fabricate structural steel members in accordance with AISC - Specification for the Design, Fabrication and Erection of Structural Steel for Buildings and in accordance with the specified building code.
- B. Qualifications:
 - 1. Manufacturers: Company specializing in manufacturing the products specified in this Section with minimum three years documented experience.
 - 2. Installer: Installer has technical qualifications, experience, trained personnel and facilities to install specified items.
 - 3. Licensed Professionals: Design Work under direct supervision of a Professional Structural Engineer experienced in design of this work and licensed in the State of Rhode Island.

1.7 DELIVERY, STORAGE AND HANDLING

- A. Delivery and Acceptance Requirements:
 - 1. Do not fabricate or deliver items to the site, until all specified submittals have been submitted to, and approved by, the Architect.
- B. Storage and Handling Requirements:
 - 1. Store and handle materials following manufacturer's recommended procedures, and in accordance with material safety data sheets.
 - 2. Protect materials from damage due to moisture, direct sunlight, excessive temperatures, surface contamination, corrosion and damage from construction operations and other causes.
 - a. Stack and cover metal building materials with suitable weather-tight covering.
- C. Damaged material: Remove any damaged or contaminated materials from job site immediately, including materials in broken packages, packages containing water

marks, or show other evidence of damage, unless Architect specifically authorizes correction thereof and usage on project.

1.8 WARRANTY

- A. General: Submit warranties under provisions of Section 01 78 00 - CLOSEOUT SUBMITTALS.
- B. Manufacturer Warranty:
 - 1. Provide 10 year warranty which shall include coverage for exterior pre-finished surfaces to cover pre-finished color coat against chipping, cracking or crazing, blistering, peeling, chalking, or fading.
- C. Special Warranty:
 - 1. Provide project specific 10 year unconditional warranty or bond which shall include coverage for weather tightness of control both enclosure after installation.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis of Design (Specified Manufacturer): To establish a standard of quality, design and function desired, Drawings and specifications have been based on Freight Farms, Boston MA, Model: "Greenery S."
- B. Acceptable Manufacturers: Subject to compliance with the requirements specified herein, manufacturers offering products which may be incorporated in the work include the following, or approved equal:
 - 1. Freight Farms, Boston MA.
 - 2. Pure Greens, LLC., Phoenix AZ.
 - 3. Grow Pod Solutions, Colton, CA.

2.2 DESCRIPTION

- A. General Description:
 - 1. Prefabricated control booth with all structural elements, exterior wall system with doors and windows, roofing, flooring, and fully wired.
 - 2. Provide control booth with self-contained heating and air conditioning system.
- B. Regulatory Requirements
 - 1. Conform to applicable code for submission of design calculations, reviewed shop drawings and as required for acquiring permit.
 - 2. Manufacturer shall be certified by the State of Florida Building Commission as a certified manufacturer of prefabricated buildings in the State of Florida.
 - a. Building when installed shall have State of Florida Building Commission issued insignia affixed to the prefabricated booth.

2.3 PERFORMANCE/DESIGN CRITERIA

- A. Engineering criteria: The manufacturer supplying the container shall employ the services of a qualified structural engineer, registered to practice in the State of

Rhode Island to prepare all calculations and other performance criteria for anchorage of container to foundation, and bear all costs therefor. Shop drawings for anchorage shall bear the registration stamp of the engineer.

1. Wind loading: Conform to the 2018 International Building Code with Rhode Island Building Code Regulation RISBC-1:
 - a. Basic Wind Speed: 143 miles per hour. (three-second-gust).

2.4 COMPONENTS

- A. Repurposed Shipping Container:
 1. Dimensions 40 feet length by 8 feet width by 9'-6" height (hi-cube).
 2. Thermal U-Value 180 BTU/hr/C.
 3. Gross weight: 8 tons (with equipment).
 4. Pitch level of container so that the front of the container is approximately 2 inches higher than the rear of the container.
- B. Electrical System:
 1. Power source: 150-amp 240V split-phase electrical connection.
 - a. Provide bolt on circuit breakers as required for indicated loads. Fill all remaining poles with 20A/IP CBs.
 - b. Provide one bolt on surge protective unit for each MPZ.
 2. Provide the following 20A, 120V duplex convenience outlets:
 - a. Six dedicated 20 A duplex outlets under the main counter.
 - b. Above each counter provide two 20A, dedicated horizontal duplex outlets with dual USB charging ports.
 - c. Provide 20A, 120V duplex convenience outlets on each of the walls at 18" AFF.
 - d. Provide a 20A, 120V, GFI protected outlet on the exterior back of the house with a weatherproof cover listed for use with a cord plugged in.
 - e. In addition provide provisions for
 - 1) Two telecom conduits.
- C. WIFI
 1. A WiFi signal is necessary for farmhand® connectivity. Farmhand will use about 5 GB of data per month, per farm.
 2. Software: Provide proprietary software to properly operate and control the farm.
- D. Water service: The farm uses an average of 5 gallons of water a day. Ensure site has water access within 50 feet of Farm.
- E. Climate Control Unit:
 1. Capacity: 36,000 BTU.
 2. Cooling 50°F at 70°F return.
 3. HVAC fan: 1300 CFM
 4. Air Intake/Ventilation: 240 CFM.
 5. Air Exchange Rate: 2-min full atmosphere recycle.
 6. Air Distribution Overhead: Ducted.
 7. Fan Ventilation Ducted: 880 CFM.

8. Fan Ventilation Ducted: 473 CFM.
9. Fan Diameter Integrated: 8 in.
10. Dehumidifier: 1.75 gal/hr

F. CO2 regulator:

1. Regulator Integrated regulator for canisters.

2.5 LED LIGHTING

A. Overview:

1. Red LED Photosynthetic Wavelength: 660 nm.
2. Blue LED Photosynthetic Wavelength: 440 nm.

B. Nursery Station:

1. Number of LED Boards: 4.
2. LED Boards Dimensions: 42 in x 14.75 in x 0.0625 in.
3. LED Array Intensity: 12 DLI / 298 PPFd.
4. LED Array Spectrum: White.
5. LED Array Spectrum Isolation R/B/W.
6. LED Array Efficacy: 4.06 uMol/J Hyper Red.
2.80 uMol/J Deep Blue.
>2.0 uMol/J Full Spectrum White.
7. LED Array Beam Angle: 120 degrees, FWHM 50%.

C. Cultivation Area:

1. Number of LED Boards: 112.
2. Number of LED Arrays: 4.
3. LED Boards Dimensions: 38.5 in x 13.78 in x 0.0625 in.
4. Canopy Intensity: 9–18 DLI / 208–342 PPFd.
5. LED Array Spectrum Isolation: R/B.
6. LED Array Efficacy: 4.06 uMol/J Hyper Red
2.80 uMol/J Deep Blue
7. LED Array Beam Angle: 120°, FWHM 50%.

2.6 HYDROPONICS

A. Irrigation

1. Circulation Pump Filtration: 6 nylon monofilament meshes.
2. Aeration System: 798 gal/hr fluid oxygenator.
3. Mesh Rating: 75 micron.
4. Number of Peristaltic Dosing Pumps: 8.
5. Peristaltic Dosing Pumps Flow Rate: 113 ml/min @ 24V
6. Nutrient Tanks: 4 x 5-quart tube tanks located in the dosing cabinet that service both Nursery and Cultivation water tanks.

B. Nursery Station

1. Hydroponics System: Dual 270 GPH drain pumps
Dual 12-gallon ebb-and-flow troughs.
2. Nursery Tank Capacity: 31 gallons, continuous mix 250GPH. Recirculation flow circuit with in-tank aerator
3. Nutrient Delivery: 4 dedicated 50/ml/m pump injection.

C. Cultivation Area:

1. Hydroponics System: Dual 1200 GPH 1 /6HP utility pump with nylon monofilament mesh filter. Dual-zone, closed-loop overhead drip at 2GPM.
2. Cultivation Tank Capacity: 90 gallons, continuous mix 500GPH recirculation flow circuit with in-tank aerator.
3. Nutrient Delivery: 4 dedicated 50/ml/m pump injection.

2.7 WORKTABLE & NURSERY STATION:

A. Nursery Station:

1. Seedling Capacity: Up to 4,608.
2. Seedling Tray Capacity: 16 trays.
3. Number of Seedling Troughs: Two full-width seedling troughs.

B. Worktable:

1. Table Dimensions: 90 in x 27 in x 43 in.
2. Seedling Tray Capacity: TIG-welded stainless steel.

2.8 PLANT PANELS AND ADJUSTABLE ROWS

A. Plant Panel:

1. Plant Panel Design: 5-channel.
2. Plant Panel Construction: High impact polystyrene Inert.
3. Plant Panel Growing Medium: reticulated foam.
4. Total Number of Panels: 88.
5. Total Number of Channels: 440.
6. Combined Linear Growing Space: 36,960 in / 3,080 ft / 2.5 acres.

B. Adjustable Rows:

1. Number of Grow Rows: 4.
2. Adjustment System: Rack-and-pinion.
3. System Load-Bearing Capacity: 1,300 lbs max.
4. Number of Frames: 3.
5. Frame Construction: Aluminum.
6. Track Construction: Anodized aluminum.
7. Carriage Construction: Anodized aluminum, rubber-coated wheels.

2.9 TECHNICAL COMPONENTS

A. Software Hub:

1. Number of Controlled Outputs: 40.

2. Number of Spare Outlets: 1.
3. Number of Controlled Inputs: 10.
4. Number of Spare Inputs: 2 x 24V
4 x 4-20mA
5. Number of Zones: 2 hydro zones (pH, EC, and temperature sensors) 1 climate zone (temp, RH%, CO2).
6. Number of Sensors: 2 water level sensors (Nursery Station tank, Cultivation Area tank).

B. Connected Cameras:

1. Number of Cameras: 2 x Nursery Station
4 x Cultivation Area
2. Camera Data Storage: Cloud storage.
 - a. Camera Resolution 960P 1.3 megapixel (1296 x730P) 140° viewing angle.

C. Bluetooth Speakers:

1. Number of Speakers: 4 Dayton Audio speakers — Dayton Audio ND91-4 3-1/2 in. Aluminum cone full-range neo driver 4 ohm.
2. Speaker Connection: Bluetooth® connected.
3. Speaker Construction: Weather-resistant ABS plastic enclosure and aluminum grills.
 - a. Polypropylene 5-1/4-in woofer.
 - b. Metaled Mylar 1-in dome tweeter.

2.10 FABRICATION

- A. General: Farming Container to be factory fully-supplied with specified and necessary equipment to support farm.
1. Do not fabricate materials (on-site or off-site) until all specified submittals have been submitted to, and approved by, the Architect.
 2. General: Coordinate fabrication and erection of work with related work of other trades. Provide cutouts and supplemental reinforcement as required to accommodate materials and work specified in other sections of the specifications.
 3. Protection of Dissimilar Metals: Dissimilar materials which are not compatible with adjoining materials when exposed to moisture shall be separated by means of coatings, gaskets, or other effective means.

2.11 FINISHES

- A. Factory-applied finish, thermoset powder coat finish as follows:
1. Finish Performance: AAMA 2604 - Specification for High Performance Organic Coatings on Architectural Extrusions and Panels.
 2. Preparation (Basis of Design, aluminum):
 - a. Sandblast to white metal for removal of scale, oil and debris to create a minimum 2mil etching for proper adhesion.
 - b. Electrostatic application of epoxy powder primer and heat cure.

3. Preparation (alternative construction, steel):
 - a. Clean surfaces by shot blasting. Blast using a media that will result in a target 1.5 – 2.5 mil surface profile. SSPC SP7 Brush Off Blast Cleaning Minimum.
 - b. Grinding of Surface Defects. Any remaining surface defects after shot blasting should be ground and the immediate area air blasted.
 - c. Apply finish coating manufacturer's recommended epoxy primer.
4. Finish Coating: Shop-applied. Polyester Triglycidyl Isocyanurate (TGIC) coating powder coating epoxy coating in smooth Semi-Gloss finish or approved equal.
 - a. Acceptable Manufacturers: Subject to compliance with the requirements specified herein, manufacturers offering products which may be incorporated in the work include the following, or approved equal:
 - 1) TIGER Drylac, Reading PA.
 - 2) PPG Powder Coatings Division, Pittsburgh PA.
 - 3) Powder Technology, Inc., Schofield, WI.
 - b. Characteristics and performance criteria:
 - 1) Gloss: 55-65° (per gardener 60°, ASTM D523).
 - 2) Cross hatch adhesion test (per ASTM D3359): rated 5B.
 - 3) Mandrel bending test (per ASTM D522) 4mm (5/32 inch).
 - 4) Impact test (per ASTM D2794), Up to 120 in-lb.
 - 5) Pencil Hardness (ASTM B3363) 2H (minimum).
 - 6) Humidity resistance, maximum blistering (1500 hours, ASTM D2247): 1 mm (0.04 inch).
 - 7) Acid salt spray resistance, maximum undercutting (1500 hours, ASTM G85): 1 mm (0.04 inch).
 - c. Minimum Film Thickness, Finish Coat: 2.5-3.5 mils, dry film thickness.
 - d. Color: Custom color to match Architect's control sample.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verification of Conditions: Inspect all surfaces and verify that they are in proper condition to receive the work of this Section.
 1. Verify that foundation, floor slab, mechanical and electrical utilities, and placed anchors are in correct position.
 2. Beginning of installation means acceptance of existing substrate and project conditions.

3.2 INSTALLATION

- A. Install containerized farm in accordance with manufacturer's instructions.

3.3 DEMONSTRATION AND TRAINING

- A. Provide training of designated school personal with theoretical as well as hands-on practical skills. A minimum period of 3 days (24 hours) of training is required.

1. Furnish Owner with system specific literature and teaching aids for Owner's staff to use with students.

3.4 CLEANING

- A. Upon completion of the work of this Section in any given area, remove tools, equipment and all rubbish and debris from the work area; leave area in broom-clean condition.
- B. Clean work under provisions of Section 01 73 00 – EXECUTION.

3.5 PROTECTION

- A. Protect finished work under provisions of Section 01 50 00 - TEMPORARY FACILITIES AND CONTROLS.

End of Section