Project No. 24-010.00 March 6, 2025

03/06/2025

ADDENDUM NO. 1
TO THE
DRAWINGS AND PROJECT MANUAL
FOR
COOK-LABAY-TRUITT MS RENOVATIONS
CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

VLK
20445 State Highway 249, Suite 350
Houston, TX 77070
281.671.2300 voice
vlkarchitects.com

1.1 GENERAL

A. This addendum modifies the drawings and project manual, dated February 24, 2025, as noted within and shall become part of the Contract Documents.

B. Each holder of proposal documents registered with the Architect will receive a copy of the addendum. Each prime proposer is responsible for distribution of information conveyed by this addendum to its sub-proposers and suppliers.

C. Proposers shall acknowledge receipt of this addendum in the space provided on the proposal form. Failure to do so may subject proposer to disqualification.

D. A pre-proposal conference was held at 10:00 a.m., local time, Wednesday, March 5, 2025 in the Cypress-Fairbanks Independent School Facilities & Construction Conference Room. Attached to this addendum is an Attendance Register from that conference.

E. ***Pre-Proposal Agenda and other documents may have included scope items that were highlighted in purple. Please note that those items are removed from the scope of this project as they were complete or scheduled to be completed under a separate project.***

F. Site walks are scheduled for Tuesday, March 11, 2025 at the campuses beginning with:
1. Cook MS – 9111 Wheatland, Houston, TX 77064
2. Labay MS – 15435 Willow River, Houston, TX 77095
3. Truitt MS – 6600 Addicks Satsuma RD, Houston, TX 77084.

Site walks will begin at Cook MS at 9:00 AM and progress from there. Walk will begin at the main entrance.

VOLUME 1

1.2 DOCUMENT 00 01 10 - TABLE OF CONTENTS

A. Page 00 01 10 – 3, Add the following: “07 41 20 - Prefinished Metal Roof Panels”

1.3 DOCUMENT AC - BASE PROPOSAL AND ALTERNATE PROPOSAL

A. Delete this document in its entirety and insert attached revised document.

1.4 SECTION 01 22 00 – UNIT PRICES

A. Delete this section in its entirety and insert attached revised section.

VOLUME 2

1.5 DOCUMENT 00 01 10 - TABLE OF CONTENTS

A. Page 00 01 10 – 3, Add the following: “07 41 20 - Prefinished Metal Roof Panels”

1.6 SECTION 07 41 20 - PREFINISHED METAL ROOF PANELS

A. This section, attached hereto, is entirely new and is hereby made a part of this Addendum.

1.7 SECTION 07 59 00 - ROOFING REPAIR

A. Delete this section in its entirety and insert attached revised section.

1.8 SECTION 08 71 00 - DOOR HARDWARE – COOK MIDDLE SCHOOL

A. Delete this section in its entirety and insert attached revised section.

1.9 SECTION 08 71 01 - DOOR HARDWARE – LABAY MIDDLE SCHOOL

A. Delete this section in its entirety and insert attached revised section.

1.10 SECTION 08 71 02 - DOOR HARDWARE – TRUITT MIDDLE SCHOOL

A. Delete this section in its entirety and insert attached revised section.

1.11 SECTION 08 80 00 - GLAZING

A. Delete this section in its entirety and insert attached revised section.

1.12 SECTION 13 34 19 – METAL BUILDING SYSTEMS

A. Page 13 34 19 – 3 Paragraph 2.1, A add new paragraph to read as follows:
“Double-Loc Panels/PBR Panels; Red Dot Buildings
(phone 800.790.8564, website:www.reddotbuildings.com)”

1.13 CIVIL ADDENDUM ITEMS

A. Attached document by Brooks & Sparks, Inc. shall hereby become a part of this addendum.

1.14 REVISED DRAWINGS

A. Sheet Nos. G10.01, G10.02, G20.01, G30.01, CODE1.3, CODE2.3, C11.03, C12.01, C15.01, C21.02, C22.01, C23.01, C25.01, A12.01, A12.01A, A12.11, A12.11A, A12.11C, A12.11D.2, A12.21, A13.11, A13.31, A14.32, A15.01, A16.01, A16.20, A17.01, A17.11, A18.01, A19.02, A19.11D.2, A21.11, A21.21, A22.01A, A22.11A, A22.11C, A22.11D.1, A22.21, A23.31, A25.01, A26.20, A26.21, A27.01, A27.11, A28.01, A29.01, A29.02, A32.01, A32.01A, A32.01D.1, A32.11A, A32.11C, A32.11D.1, A32.21, A33.31, A36.01, A36.20, A37.01, A37.11, A38.01, A39.01, A39.02, A39.11A, A39.11C, A39.11D.1, A39.11D.2, S10.40, S14.10, S20.40, S30.40, S33.10, M10.03, M12.03, E10.03, E12.01, E12.03, E13.04, T11.00, T12.02, and T31.00, dated March 6, 2025 and attached hereto, are revised drawings and are hereby made a part of this addendum.

1.15 NEW DRAWINGS

A. Sheets No. A12.01B, A12.11B, A19.20, A29.20, A39.20, dated March 6, 2025, attached hereto, are new drawings and are hereby made a part of this addendum.

1.16ASBESTOS DRAWINGS

A. Sheet Nos. ABT1.D.2, ABT2.R, ABT3.D.1, ABT4.D.2, ABT5.A, ABT6.R, ABT7.A, and ABT8.D.1, provided by efi global, are attached for reference.

END OF ADDENDUM NO. 1

ATTENDANCE REGISTER

Reference: 2024 Cook, Labay & Truitt MS Renovations
Cypress-Fairbanks ISD
24-02-5744-R-RFP

Date: March 05, 2025

Type of Meeting: Pre-Proposal Meeting

Architect's Project No.: 24-010.00

Name (Please print)	**Company Title**	**Phone**	**Email**
RUDY STARKS	VLK	2816712300	rstarks@vlkarchitects.com
Kristina McKillop	VLK		KmcKillop@vlkarchitects.com
Jeff Schafer	ICI	281 355 5151	bids@iciconstructioninc.com
Tessa Montes	Millennium Project Solutions	281-328-2200	estimating@mps-team.com
Ryland Parker	Prime Contractors, Inc.	281-999-0875	estimating@primecontractorsinc.com
CARLOS ALVARADO	SALAS O'BRIEN	281-664-1900	CARLOS.ALVARADO@SALASOBRIEN.COM
BOBBY GALVAN	CFISD		
Michelle Freck	CFISD	713 851 5914	michelle.freck@cfisd.net
Brandon Watson	Division One	713688 7330	bided2construction.com
DAN TROSZ	CFISD		
Amy HAYES	CFISD		
KAY ALARCON	CFISD Procurement	281-897-4258	KAY.ALARCON@CFISD.NET
Mark Koehler	Siplast, Inc.	713-302-6636	Mark.Koehler@siplast.com
OSCAR PACAS	SIPLAST	346-275-8916	OSCAR.PACAS@SIPLAST.COM
Janie Maldonado	GCS	8326134611	janie@gcshtx.com
James Briscoe	CFISD		james.Briscoe2@CFISD.NET
SHANNON THOMPSON	CFISD		

FORM AC
COMPETITIVE SEALED PROPOSAL FORM - BASE PROPOSAL

2024 Cook, Labay & Truitt MS Renovations
Cypress-Fairbanks Independent School District
Cypress-Fairbanks I.S.D. Proposal Number: 24-02-5744-R-RFP
Attn: Mr. Jesse Clayburn, Asst. Superintendent of Facilities & Construction

Submitted by:_____

Date:_____ Phone No.:_____

To: Board of Trustees
Cypress-Fairbanks Independent School District
Facilities and Construction
11430-B Perry Road
Houston, Texas 77064

Having examined Proposal and Contract Documents prepared by **VLK Architect** dated **February 24, 2025,** and having examined site conditions, the undersigned proposes to furnish all labor, equipment and materials and perform all work for the completion of the above-named project for the sum indicated below.

In submitting his Proposal, the undersigned agrees to the following:

1. Hold Base Proposal open for acceptance sixty (60) days.
2. Accept right of Owner to reject any or all proposals, to waive formalities and to accept proposal which Owner considers most advantageous.
3. Enter into and execute the contract, if awarded, for the Base Proposal and accepted Alternate Proposals.
4. Complete work in accordance with the Contract Documents within the stipulated contract time.
5. By signing, the undersigned affirms that, to the best of his knowledge, the Proposals have been arrived at independently and is submitted without collusion with anyone to obtain information or gain any favoritism that would in any way limit competition or give an unfair advantage over respondents in the award of this proposal.

I. BASE PROPOSAL

A. Undersigned agrees to complete the Work for the lump sum amount of:

_____Dollars $_____
(Amount written in words governs) (Amount in figures)

II. ALLOWANCES

Undersigned certifies that the allowances specified in Section 01 21 00 are included in the Base Proposal and agrees that unexpended balance of allowance sums will revert to Owner in the final settlement of the contract.

III. CONTRACT TIME

By submittal of this proposal, the undersigned stipulates that the Base Proposal includes all costs necessary to attain Substantial Completion of the Work on or before the date stipulated in AIA Document A101™–2017.

THIS PAGE OF PROPOSAL FORM MUST BE SUBMITTED BY 2:00 PM, March 20, 2025

IV. ADDENDA

Undersigned acknowledges receipt of Addenda Nos._____ dated

_____, _____.

V. CHANGES IN THE WORK

Undersigned understands that changes in the work shall be performed in accordance with the Supplementary Conditions.

VI. LIQUIDATED DAMAGES

By submittal of this proposal, the undersigned stipulates an agreement that if Substantial Completion of the Work is not attained on or before the date stipulated in AIA Document A101™–2017, the undersigned and his Surety shall be liable for and shall pay the Owner the sums stipulated as Liquidated Damages as defined in AIA Document A201™–2017.

It is understood that the right is reserved by the Owner to reject any or all proposals, or waive any informalities in the proposal process.

_____
Authorized Signature

_____
Printed Name

_____
Title

(Seal, if a Corporation)
State whether Corporation,
Partnership or Individual

_____
Name of Contracting Firm

_____
Address

_____
Telephone

_____
Date

THIS PAGE OF PROPOSAL FORM MUST BE SUBMITTED BY 2:00 PM, March 20, 2025

FORM AC
COMPETITIVE SEALED PROPOSAL FORM - ALTERNATE PROPOSALS

2024 Cook, Labay & Truitt MS Renovations
Cypress-Fairbanks Independent School District
Cypress-Fairbanks I.S.D. Proposal Number: 24-02-5744-R-RFP
Attn: Mr. Jesse Clayburn, Asst. Superintendent of Facilities & Construction

Submitted by:_____

Date:_____ Phone No.:_____

To: Board of Trustees
Cypress-Fairbanks Independent School District
Facilities and Construction
11430-B Perry Road
Houston, Texas 77064

Having examined Proposal and Contract Documents prepared by VLK **Architect**, dated **February 24, 2025 ,** and having examined site conditions, the undersigned proposes to furnish all labor, equipment and materials and perform all work for the completion of the above-named project for the sum indicated below.

In submitting his Proposal, the undersigned agrees to the following:

1. Hold Alternate Proposal open for acceptance one hundred twenty (120) days.
2. Accept right of Owner to reject any or all proposals, to waive formalities and to accept proposal which Owner considers most advantageous.
3. Enter into and execute the contract, if awarded, for the Base Proposal and accepted Alternate Proposals.
4. Complete work in accordance with the Contract Documents within the stipulated contract time.
5. By signing, the undersigned affirms that, to the best of his knowledge, the Proposals have been arrived at independently and is submitted without collusion with anyone to obtain information or gain any favoritism that would in any way limit competition or give an unfair advantage over respondents in the award of this proposal.

I. ALTERNATES

If the Owner accepts any or all of the Alternates, the undersigned agrees to modify the Base Proposal as stipulated below:

A. Alternate Number 1 – ***Base Bid Adjustment***

ADD/DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

II. UNIT PRICES

If the Owner accepts any or all of the Alternates, the undersigned agrees to add or subtract the following units of work:

UNIT PRICE 1: ELECTRICAL DUPLEX RECEPTACLE $_____each

UNIT PRICE 2: DATA DROP $_____each

UNIT PRICE 3: VOICE DROP $_____each

THIS PAGE OF PROPOSAL FORM MUST BE SUBMITTED BY 3:00 PM, March 20,2025

UNIT PRICE 4: DATA CABLING TO TEACHER STATION $_____each

UNIT PRICE 5: 4 ½" THICK CONCRETE WALK PER SQUARE FOOT $_____SF

UNIT PRICE 6: 6" THICK CONCRETE DRIVE PER SQUARE FOOT $_____SF

UNIT PRICE 7: 7" THICK CONCRETE DRIVE PER SQUARE FOOT $_____SF

UNIT PRICE 8: LIFE SAFETY DEVICES (including all associated cabling and programming)

1. Exterior Horn to Speaker $_____ each
2. Interior Horn to Speaker $_____ each
3. Interior Visual Strobe $_____ each
4. Interior Speaker/Visual Strobe $_____ each
5. Smoke Detector $_____ each
6. Heat Detector $_____ each
7. Manual Pull Station $_____ each
8. Stopper 2 Pull Station Cover $_____ each
9. Annunciator Panel $_____ each
10. Duct Detector $_____ each
11. Relay $_____ each
12. Supervisory $_____ each
13. Waterflow $_____ each
14. Amplifier $_____ each
15. Remote Power Supply $_____ each

UNIT PRICE 9: GRAPHIC SIGNS

1. Sign Type A $_____/ each
2. Sign Type B $_____/ each
3. Sign Type C $_____/ each

UNIT PRICE 10 : EXIT SIGN $_____each

UNIT PRICE 11: ROOF SHEATHING $_____ 4x8 sheet

UNIT PRICE 12: IR FILM $_____/SF

UNIT PRICE 13: CEILING TILE REPLACEMENT $_____ 4SF

THIS PAGE OF PROPOSAL FORM MUST BE SUBMITTED BY 3:00 PM, March 20,2025

UNIT PRICE 14: ASBESTOS ABATEMENT COMPONENTS

Identified ACBM at Cook, Labay, and Truitt Middle School Package

No.	Unit Price Description	Add ($/Figures)	Deduct ($/Figures)	Unit of Measure
ASB-1	Price per square foot for the proper removal, transportation, and disposal of interior **ACBM black damp proofing mastic behind brick veneer.** All work to be completed in compliance with AHERA and TAHPR regulations. – Full Containment	_____	_____	Square Foot
ASB-2	Price per square foot for the proper removal, transportation, and disposal of exterior **ACBM through-wall flashing with black damp proofing mastic behind brick veneer.** All work to be completed in compliance with NESHAP regulations.	_____	_____	Square Foot
ASB-3	Price per square foot for the proper removal, transportation, and disposal of exterior **ACBM black damp proofing mastic behind brick veneer.** All work to be completed in compliance with NESHAP regulations.	_____	_____	Square Foot
ASB-4	Price per linear foot for the proper removal, transportation, and disposal of **ACBM pipe insulation with mastic coating** via glovebag removal method including all necessary regulated work area preparation and PPE	_____	_____	Linear Foot
ASB-5	Price per linear foot for the proper removal, transportation, and disposal of **ACBM pipe insulation with mastic coating**. All work to be completed in compliance with AHERA and TAHPR regulations. – Full Containment	_____	_____	Linear Foot
ASB-6	Price per square foot for the proper removal, transportation, and disposal of **ACBM black mirror mastic.** All work to be completed in compliance with AHERA and TAHPR regulations.	_____	_____	Square Foot
ASB-7	Price per square foot for the proper removal, transportation, and disposal of exterior **ACBM black glazing putty around windows.** All work to be completed in compliance with NESHAP regulations.	_____	_____	Square Foot
ASB-8	Price per square foot for the proper removal, transportation, and disposal of **ACBM vinyl floor tile and/or black mastic.** All work to be completed in compliance with AHERA and TAHPR regulations. – Full Containment	_____	_____	Square Foot
ASB-9	Price per unit for the proper removal, transportation, and disposal of assumed **ACBM fire doors**. All work to be completed in compliance with AHERA and TAHPR regulations. (Component Removal)	_____	_____	Unit

III. CONTRACTOR'S PROJECT TEAM MEMBERS

The undersigned proposes the following project team members (include resumes):

Project Manager _____

Superintendent _____

Asst. Superintendent(s) _____

Project Engineer _____

THIS PAGE OF PROPOSAL FORM MUST BE SUBMITTED BY 3:00 PM, March 20,2025

III. PROPOSED SUBCONTRACTORS

The undersigned proposes the following subcontractors. Note – Not all trades listed below will apply to every project.

Paving: _____

Abatement: _____

Dampproofing/insulator: _____

Masonry: _____

Roofing: _____

Drywall: _____

Casework: _____

Concrete: _____

Plumbing: _____

Mechanical: _____

Electrical: _____

Fire Alarm: _____

Sprinkler: _____

Low Voltage/Security: _____

Site Utilities: _____

Earthwork/Site Prep: _____

Fencing: _____

Pre-Engineered Metal Building: _____

Glazing: _____

It is understood that the right is reserved by the Owner to reject any or all proposals, or waive any informalities in proposal process.

_____
Authorized Signature

_____
Printed Name

_____
Title

(Seal, if a Corporation)
State whether Corporation,
Partnership or Individual

_____
Name of Contracting Firm

_____
Address

_____
Telephone

_____
Date

END OF FORM

SECTION 01 22 00

MEASUREMENT AND PAYMENT (UNIT PRICES)

CONDITIONS OF THE CONTRACT AND DIVISION 1, as applicable, apply to this Section.

PART 1 - GENERAL

Refer to Document AB for Substitutions of Materials and Equipment

1.1 SECTION INCLUDES

A. Measurement and payment criteria applicable to portions of the Work performed under a unit price payment method.

B. Defect assessment and non-payment for rejected work.

1.2 AUTHORITY

A. Measurement methods delineated in the individual specification sections complement the criteria of this Section. In the event of conflict, the requirements of the individual specification section govern.

B. Take all measurements and compute quantities. The Architect will verify measurements and quantities.

1.3 UNIT QUANTITIES SPECIFIED

A. Quantities indicated in the Contract Documents are for bidding and contract purposes only. Quantities and measurements supplied or placed in the Work and verified by the Architect determine payment.

B. If the actual Work requires more or fewer quantities than those quantities indicated, provide the required quantities at the unit sum/prices contracted.

1.4 MEASUREMENT OF QUANTITIES

A. Measurement Devices:
1. Weigh Scales: Inspected, tested, and certified by the applicable State Weights and Measures Department within the past year.
2. Platform Scales: Of sufficient size and capacity to accommodate the conveying vehicle.
3. Metering Devices: Inspected, tested, and certified by the applicable State department within the past year.

B. Measurement by Weight: Concrete reinforcing steel, rolled or formed steel or other metal shapes will be measured by handbook weights. Welded assemblies will be measured by handbook or scale weight.

C. Measurement by Volume: Measured by cubic dimension using mean length, width and height or thickness.

D. Measurement by Area: Measured by square dimension using mean length and width or radius.

E. Linear Measurement: Measured by linear dimension, at the item centerline or mean chord.

F. Stipulated Sum/Price Measurement: Items measured by weight, volume, area, or linear means or combination, as appropriate, as a completed item or unit of the Work.

1.5 PAYMENT

A. Payment Includes: Full compensation for all required labor, labor burden, products, tools, equipment, plant, transportation, services and incidentals; erection, application or installation of an item of the Work; overhead and profit.

B. Final payment for Work governed by unit prices will be made on the basis of the actual measurements and quantities confirmed and accepted by the Architect multiplied by the unit/sum price for work which is incorporated in or made necessary by the Work.

1.6 DEFECT ASSESSMENT

A. Replace the Work, or portions of the Work, not conforming to specified requirements.

B. The individual specification sections may modify these options or may identify a specific formula or percentage sum/price reduction.

C. The authority of the Architect to assess the defect and identify payment adjustment is final.

1.7 NON-PAYMENT FOR REJECTED PRODUCTS

A. Payment will not be made for any:
1. Products wasted or disposed of in a manner that is not acceptable.
2. Products determined as unacceptable before or after placement.
3. Products not completely unloaded from the transporting vehicle.
4. Products placed beyond the lines and levels of the required work.
5. Products remaining on hand after completion of the work.
6. Loading, hauling and disposing of rejected Products.

PART 2 – DESCRIPTION OF UNIT PRICES

2.1 GENERAL

A. For the work described unit pricing shall be used to determine the additional cost or credit to the contract amount or added to or deducted from the Owner's contingency for changes in the scope of work made during the progress of the work as directed by Architect.

B. The same price shall be used for adding or deducting from the scope of work. No exceptions.

C. The following unit prices shall be included in the proposal form and shall be included in the Owner-Contractor agreement.

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

A. Unit Prices shall be used, where applicable, to make adjustments to the cost of the work due to changes. All Unit Prices submitted shall be complete "turnkey" prices for fully functioning systems, and shall include all costs for overhead, profit, labor, labor burden, material, equipment, and any other incidentals related to the completion of the Work and shall remain firm for the duration of the contract. Unit prices listed are for additive and/or deductive work.

UNIT PRICE 1: ELECTRICAL DUPLEX RECEPTACLE
Provide unit price for a new 20A, 120V duplex electrical receptacle and cover plate, flush mounted in a CMU, metal stud, or demountable wall construction, circuited to an existing electrical panel within 150 feet of the outlet using a branch circuit consisting of 2 #10 AWG and 1 #10 AWG ground in 3/4-inch EMT conduit. All conduits to be concealed in wall construction. Unit price shall include a 20-amp circuit breaker to be installed in existing panel space.

UNIT PRICE 2: DATA DROP
Provide unit price for a data drop, flush mounted in a CMU, metal stud or demountable wall construction., wired to an IDF/MDF Room. The data drop shall consist of a single gang wall box, cabling wiring device, cover plate, 3/4-inch conduit from outlet to above accessible ceiling, plenum-rated cabling routed above accessible ceiling to the nearest MDF or IDF location within 250 feet of the outlet. Termination and testing to be included in the unit price.

UNIT PRICE 3: VOICE DROP
Provide unit price for a voice drop, flush mounted in a CMU, metal stud or demountable wall construction., wired to the telecommunications/MDF room. The voice drop shall consist of a single gang wall box, voice jack, cover plate, 3/4-inch conduit from outlet to above accessible ceiling, plenum-rated voice cable routed above accessible ceiling to telecommunication head end equipment. Termination and testing to be included in the unit price.

UNIT PRICE 4: DATA CABLING TO TEACHER STATION
Provide one data drop, including data jack, faceplate, and CAT 6 cable home run to nearest IDF or MDF data rack. Assume length less than 300 FT. Include J-box and conduit from data outlet to ceiling cavity in this unit price.

UNIT PRICE 5: 4 ½" THICK CONCRETE WALK PER SQUARE FOOT
This unit cost shall establish the amount to the contract price for the Contractor to add or deduct 4 ½" thick concrete walk (minimum 100 SF) per Square Foot.

UNIT PRICE 6: 6" THICK CONCRETE DRIVE PER SQUARE FOOT
This unit cost shall establish the amount to the contract price for the Contractor to add or deduct 6" thick concrete drive (minimum 100 SF) per Square Foot.

UNIT PRICE 7: 7" THICK CONCRETE DRIVE PER SQUARE FOOT
This unit cost shall establish the amount to the contract price for the Contractor to add or deduct 7" thick concrete drive (minimum 100 SF) per Square Foot.

UNIT PRICE 8: LIFE SAFETY DEVICES (including all associated cabling and programming)
This unit cost shall establish the amount to be added or deducted from the contract price for the Contractor to add /deduct Fire Alarm devices.

1.	Exterior Horn to Speaker	$_____	each
2.	Interior Horn to Speaker	$_____	each
3.	Interior Visual Strobe	$_____	each
4.	Interior Speaker/Visual Strobe	$_____	each
5.	Smoke Detector	$_____	each
6.	Heat Detector	$_____	each
7.	Manual Pull Station	$_____	each

8.	Stopper 2 Pull Station Cover	$_____	each
9.	Annunciator Panel	$_____	each
10	Duct Detector	$_____	each
11	Relay	$_____	each
12	Supervisory	$_____	each
13	Waterflow	$_____	each
14	Amplifier	$_____	each
15	Remote Power Supply	$_____	each

UNIT PRICE 9: GRAPHIC SIGNS

This unit cost shall establish the amount to be added or deducted to the contract price for the Contractor to remove existing signage and install new as described below:

1.	Sign Type A	$_____/	each
2.	Sign Type B	$_____/	each
3.	Sign Type C	$_____/	each

UNIT PRICE 10: EXIT SIGN

This unit cost shall establish the amount to be added to the contract price to provide and install one (1) exit sign. Price shall include wiring to nearest available emergency circuit, up to 200 feet.

UNIT PRICE 11: ROOF SHEATHING

This unit cost shall establish the amount to be added to the contract price to provide and install 4x8 Roof Sheathing up to and including 3/4". Price shall include removing existing rotted or damaged sheathing and replacing with new and prepart area for new metal roofing as called for in the drawings.

UNIT PRICE 12: IR FILM

This unit cost shall establish the amount to be added to the contract price to provide and install one 23MIL Armoured One film and structural glazing on existing glazing.

UNIT PRICE 13: CEILING TILE REPLACEMENT

This unit cost shall establish the amount to be added to the contract price to provide and install ceiling tile to match existing. Price shall include removing existing ceiling tile and replacing with new as directed.

UNIT PRICE 14: ASBESTOS ABATEMENT COMPONENTS

This unit cost shall establish the amount to be added or deducted to the contract price for the Contractor to add/deduct asbestos abatement components as described below:

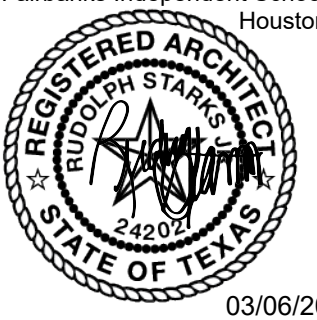
Identified ACBM at Cook, Labay, and Truitt Middle School Package

No.	Unit Price Description	Add ($/Figures)	Deduct ($/Figures)	Unit of Measure
ASB-1	Price per square foot for the proper removal, transportation, and disposal of interior **ACBM black damp proofing mastic behind brick veneer.** All work to be completed in compliance with AHERA and TAHPR regulations. – Full Containment	_____	_____	Square Foot
ASB-2	Price per square foot for the proper removal, transportation, and disposal of exterior **ACBM through-wall flashing with black damp proofing mastic behind brick veneer.** All work to be completed in compliance with NESHAP regulations.	_____	_____	Square Foot
ASB-3	Price per square foot for the proper removal, transportation, and disposal of exterior **ACBM black damp proofing mastic behind brick veneer.** All work to be completed in compliance with NESHAP regulations.	_____	_____	Square Foot
ASB-4	Price per linear foot for the proper removal, transportation, and disposal of **ACBM pipe insulation with mastic coating** via glovebag removal method including all necessary regulated work area preparation and PPE	_____	_____	Linear Foot
ASB-5	Price per linear foot for the proper removal, transportation, and disposal of **ACBM pipe insulation with mastic coating**. All work to be completed in compliance with AHERA and TAHPR regulations. – Full Containment	_____	_____	Linear Foot
ASB-6	Price per square foot for the proper removal, transportation, and disposal of **ACBM black mirror mastic.** All work to be completed in compliance with AHERA and TAHPR regulations.	_____	_____	Square Foot
ASB-7	Price per square foot for the proper removal, transportation, and disposal of exterior **ACBM black glazing putty around windows.** All work to be completed in compliance with NESHAP regulations.	_____	_____	Square Foot
ASB-8	Price per square foot for the proper removal, transportation, and disposal of **ACBM vinyl floor tile and/or black mastic.** All work to be completed in compliance with AHERA and TAHPR regulations. – Full Containment	_____	_____	Square Foot
ASB-9	Price per unit for the proper removal, transportation, and disposal of assumed **ACBM fire doors**. All work to be completed in compliance with AHERA and TAHPR regulations. (Component Removal)	_____	_____	Unit

END OF SECTION

SECTION 07 41 20

PREFINISHED METAL ROOF PANELS



03/06/2025

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Prefinished metal roof panels and soffit panels, including related insulation, underlayments, flashing, trim and accessories.

B. Related Sections:
1. Section 06 10 00 - Rough Carpentry.
2. Section 07 62 00 - Sheet Metal Flashing and Trim.
3. Section 07 72 13 - Manufactured Roof Curbs and Portals.
4. Section 07 92 00 - Joint Sealants.

1.2 SYSTEM REQUIREMENTS

A. Performance Requirements
1. Uplift resistance: UL Class 90 wind uplift resistance.
2. Design and install system to accommodate thermal expansion, thermal contraction and building movement.

1.3 SUBMITTALS

A. Submit in accordance with SECTION 01 33 23 - SHOP DRAWINGS, PRODUCT DATA AND SAMPLES.

B. Shop Drawings: Drawings shall indicate type of roof panels, gage of metal, finish and shape and size of flashing and accessories.

C. Product Data: Submit manufacturer's technical literature indicating properties of materials, finishes and performance capabilities.

D. Samples
1. Submit 2' x 4' section of roof and soffit panel system(s), complete with flashings and attachment devices.
2. Upon selection of colors by Architect, submit 12" x 12" finish samples representing color and finish.
3. Submit 6" x 6" sample of self-adhering sheet underlayment.

E. Color Charts: Submit samples of manufacturer's full range of standard colors. Submit actual color chips, not photo reproductions.

F. Qualification Data
1. Submit installer qualifications verifying years of experience; include list of completed projects having similar scope of work identified by name, location, date, reference name and phone number.
2. Submit letter certifying manufacturer's approval for installation of system.
3. On-site or field manufactured panels are not acceptable, unless approved in writing. Field curving of pre-manufactured panels is acceptable. If on site roll-forming is approved, submit documentation on roll-forming equipment which will be used to roll-form roofing panels on site. Provide copy of UL certificate, including certification report identifying Make and Model No., Serial No. of roll-forming machine, panel specification and expiration date of certificate.

G. Manufacturer's Instructions: Submit written installation instructions indicating method and sequence of installation. Provide for roofing system and self-adhering sheet underlayment.

H. Warranty: Submit signed and dated copies of warranties.

1.4 QUALITY ASSURANCE

A. Applicator Qualifications: This work shall be performed by an experienced applicator who has successfully installed the materials under similar conditions over a period of at least 10 years.

B. Cover self-adhering sheet underlayment within 14 days of underlayment installation.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver preformed metal roof panels and trim items to the project site with no dents, scratches, or abraded areas. Deliver in manufacturer's standard bundles, securely bound and store at the project site raised above slab or ground level on pallets.

1.6 WARRANTY

A. Submit manufacturer's standard 20-year warranty against fading or visible (noticeable) chalking, checking, crazing or peeling of the exterior finish when exposed to natural sunlight for a period of 20 years.

B. Submit manufacturer's 20-year “No-Dollar-Limit” Complete System panel and trim weathertightness warranty.

C. Submit applicator's 2-year weathertightness warranty.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Roof Panels: Basis of Design shall be Double Lock Zee-Lock Panels as manufactured by Berridge. Metal panels shall be zinc coated steel complying with ASTM A 653, and ASTM A792-AZ55 Galvalume®, Grade A; with ASTM A 653 G90 hot-dip coating, 24 gage minimum thickness, with striations, for roof panels. Seam spacing shall be 16" o.c. with 2” high standing rolled seams and all panels having the same spacing. Panels shall be single pieces with no joints. Provide specified panel or approved equivalent product of one of the following:
Peterson Aluminum Corp.
MBCI
Merchant & Evans, Inc.

B. Finish: Metal roof panels, and all exposed trim items, shall receive fluorocarbon polymeric coating containing 70% PVDF Hylar 5000 or Kynar 500 finish. Color shall be as selected by Architect from manufacturer’s complete color line.

C. Flashing and all trim items which are contiguous to roof panels shall be of the same metal and finish as roof panels.

D. Fasteners: Provide manufacturer's standard zinc coated self-tapping screws meeting UL 90 requirements.

E. Isocyanurate Insulation: Reinforced isocyanurate foam core faced both sides with non-asphaltic glass fibers chemically bonded in the manufacturing process. Insulation shall meet the requirements of Factory Mutual Class 1 Roofs. Insulation shall have a minimum of 2 layers with a total thickness, using R-5.0 per inch per NRCA, to meet the R-Value as shown on the Building Assembly Types Sheet on the drawings.

F. Self-adhering Sheet Underlayment (High Temperature): 30 to 40 mils thick minimum, consisting of slip-resisting, polyethylene-film top surface laminated to layer of butyl or SBS-modified asphalt adhesive, with release-paper backing; cold applied. Provide primer when recommended by underlayment manufacturer.
1. Thermal Stability: Stable after testing at 240 degrees F; ASTM D 1970.
2. Low-Temperature Flexibility: Passes after testing at minus 20 deg F (29 deg C); ASTM D 1970.
3. Products: Subject to compliance with requirements, provide one of the following:
Carlisle Coatings & Waterproofing Inc., Div. of Carlisle Companies Inc.; CCW WIP 300HT.
Grace Construction Products; a unit of Grace, W. R. & Co.; Ultra.
Henry Company; Blueskin PE200 HT.
Metal-Fab Manufacturing, LLC; MetShield.

G. Mechanical Fasteners and Bearing Plates: Provide U.L. listed (standard) clip designed to allow panels to expand and contract. Steel deck fasteners shall be UL listed and shall be approved by roofing manufacturer for compliance with UL-90 uplift requirements.

H. Sealants and Gaskets: Manufacturer's standard type suitable for use with installation of metal roofing; non-staining; skinning, non-shrinking and non-sagging; ultra-violet and ozone resistant for exterior applications; colors to match exposed metal.

I. Internal and External Corners: Same materials, gage and finish as panels; profile to suit system; brake formed to required angles. Mitered internal corners, back braced with sheet stock, to maintain continuity of profile.

J. Expansion Joints: Same material and where exposed, finish as panels, manufacturer's standard type, of profile to suit system. Exposed fasteners same finish as panels.

K. Trim, Closure Pieces, Cap, Fascias, Infills, Flashings and Accessories: Same material, gage and where exposed, of same finish as metal panels, brake formed to required profiles.

L. Touch-Up Paint: As recommended by manufacturer.

2.2 FABRICATION

A. Comply with dimensions, profile, gages and fabrication details shown and if not shown, provide manufacturer's standard product fabrication.

B. Fabricate components of the system at the factory, ready for field assembly.

C. Fabrication of component profiles on site not permitted.

D. Apply finish coatings prior to roll forming.

E. Fabricate continuous panels only. No field joints allowed.

PART 3 - EXECUTION

3.1 INSPECTION

A. Examine supporting members and areas to receive prefinished metal roof panels, flashing and trim items for conditions that will adversely affect the execution and quality of work. Do not start this work until unsatisfactory conditions are corrected.

3.2 INSTALLATION

A. General: Install prefinished metal roof panels and related items in strict compliance with manufacturer's recommendations.

B. Install insulation over metal deck per UL-90. End joints shall occur over solid supports. Stagger end joints of insulation in adjacent rows.
1. Mechanically fasten first layer to the roof deck.
2. Apply second layer over first layer in broken joint pattern so that each layer breaks joints both ways with the preceding layer.
3. Apply insulation with long joints continuous and short joints staggered.
4. Bring insulation panels into moderate contact with each other and cope to fit neatly around projections.
5. Joints parallel to ribs on steel deck installation shall be located over solid bearing.
6. Mechanically fasten first layer to the roof deck throughout. Spacing and number of fasteners shall meet current building code requirements and per UL-90. Adhere second layer of insulation to the first layer.
7. Do not install more insulation at one time than the amount which can be covered with roofing the same day.
8. At the end of each day's work and after any other work stoppage, apply temporary water cutoffs in accordance with metal roof manufacturer's approval.

C. Self-adhering Sheet Underlayment: Apply primer if required by manufacturer. Comply with temperature restrictions of underlayment manufacturer for installation. Apply over insulation at entire roof area, wrinkle free, in shingle fashion to shed water, and with end laps of not less than 6 inches staggered 24 inches between courses. Overlap side edges not less than 3-1/2 inches. Extend underlayment into gutter trough. Roll laps with roller. Do not install underlayment perpendicular to roof slope except at locations specifically required for watertightness.
1. Cover underlayment within 14 days. If underlayment cannot be covered within that time period, install an additional layer of underlayment as described above immediately prior to roof installation.
2. Install underlayment in accordance with underlayment manufacturer’s written instructions.

D. Metal roofing installation shall be installed so that entire metal roof system meets UL Windstorm Resistance Classification 90 and meets 1-hour fire-resistance requirements as indicated on the drawings.

E. Continuous full length pans shall be fabricated by factory roll forming in power equipment capable of producing metal roofing pans to the required lengths. End laps are not allowed.

F. Anchor components parts of the prefinished roof panels securely in place, providing for necessary thermal and structural movement.

G. Install and securely anchor metal flashing, trim and related items to provide a weathertight enclosure.

H. Install trim, closures, caps and accessories as indicated or required for complete weathertight installation.

I. Provide a concealed fasteners installation system with no fasteners exposed on the exterior face of the work.

J. Seal prefinished roof panels as required for weathertightness.

K. Tolerances:
   1. Maximum Offset from True Alignment Between Adjacent Members Butting or in line: 1/16".
   2. Maximum Variation from Plane or Location Indicated on Drawings: 1/8”.

3.3 TOUCH-UP AND CLEAN

A. Touch-up:
   1. Defective materials shall be replaced with new materials.
   2. Field touch-up of scratches or defaced finish will be permitted only if approved by Architect.

B. Cleaning: Clean exposed surfaces; leave free of soil and imperfections.

END OF SECTION

SECTION 07 59 00

ROOFING REPAIR

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Modified Bitumen Roof repair work as a result of penetrations made or damage occurring to the roof membrane and flashings as part of the work of this contract.
   1. In order to maintain the existing warranty where new roofing will be tied into existing roofing, the Contractor shall obtain written approval from the existing roof manufacturer.
      a. Confirm manufacturer of, and warranties applicable to, modified bitumen roof to be repaired as part of the work of this section.

B. Related Sections:
   1. Section 07 55 52 - Modified Bituminous Membrane Roofing.
   2. Section 07 62 00 - Sheet Metal Flashing and Trim.
   3. Section 07 72 13 - Manufactured Roof Curbs and Portals.
   4. Section 07 72 33 - Roof Hatches.
   5. Division 22 - Plumbing.
   6. Division 23 - Heating, Ventilating and Air Conditioning.
   7. Division 26 - Electrical.

1.2 SYSTEM PERFORMANCE

A. Flash, seal, counterflash and otherwise make watertight all roof membrane penetrations and repair all damages leaving membrane and flashings in a watertight condition.

1.3 SUBMITTALS

A. General: Submit under provisions of SECTION 01 33 23 - SHOP DRAWINGS, PRODUCT DATA AND SAMPLES.

B. Shop Drawings: Indicate layout, details, dimensions and interface with adjoining work.

C. Product Data:
   1. Submit all data concerning each roof to be repaired.
   2. Submit written approval from the existing roof manufacturer that warranty shall be maintained.

1.4 QUALITY ASSURANCE

A. Installer: Company specializing in roofing flashing and repair work with minimum 3 years experience. Use recommended detailing as indicated in NRCA Roofing Manual.

1.5 ENVIRONMENTAL REQUIREMENTS

A. Do not apply materials during inclement weather or when temperatures are below 40°F.

1.6 COORDINATION

A. Coordinate placement of curbs for roof mounted equipment with new openings cut into roof structure.

1.7 WARRANTY

A. Maintain existing warranties.

B. Provide a 2-year watertightness warranty from date of substantial completion for work of this section.

PART 2 - PRODUCTS

2.1 MANUFACTURERS AND PRODUCTS

A. Utilize identical sheet, fluid-applied and bituminous materials, flashings, roof surfacing, fasteners, adhesives and accessories as original installation. On pipe penetrations, use flashing materials and techniques as recommended by NRCA utilizing portals mounted to curbs.

2.2 PERFORMANCE/DESIGN CRITERIA

A. Wind Up-lift Requirements: Provide a roofing system that is identical to systems that have been successfully tested by a qualified testing and inspecting agency to resist wind uplift pressures calculated according to ASCE-7. Wind uplift pressures for this area, based on a 3-second gust shall be per structural notes and drawings.

2.3 ASPHALT FUME CONTROL

A. It is essential that the fumes resulting from the execution of this work be prohibited from entering any of the existing buildings on campus and minimized in the atmosphere around the campus in the exterior.

B. Contractor may elect any means of his choice to reduce the presence of asphaltic fumes, but the following are the minimum requirements:
1. Conventional kettle application with approved fume recovery system.
2. Enclosed tanker application with internal heating element and recycle fume recovery system.
3. Extension of all existing air intake devices in affected areas to an upwind position.
4. Providing emergency ventilation of any areas which become areas of complaints by the Owner.

2.4 COOK MIDDLE SCHOOL

A. Existing assembly: Paradiene 2030 IH-T roof membrane system over a ½ wood fiber cover board and 1.0” Paratherm Polyisocyanurate insulation mopped with hot asphalt, over a mechanically fastened Parabase FS base sheet. (Siplast Guarantee No 25350). Heat and remove the foil of the Veral Aluminum base flashings at all of the mechanical curbs, expansion joints, and wall flashing conditions. Remove any wet/damaged/deteriorated membrane plies and repair any blisters with compatible materials, bringing them back to a level with surrounding surfaces and into a watertight condition. Replace all sheet metal components including gravel guard edge details and raised edge details, expansion joints, mechanical curbs, and walls. Metal gauge and finish should follow Cy-Fair I.S.D. guidelines; 0.040 Prefinished Aluminum.

B. Internal Drain: Remove the lead and existing flashing plies 4 feet in each direction from the drains.

C. Substrate preparation: Fastener withdrawal tests must be conducted prior to application to confirm what fastener is approved. Mechanically fasten the Paradiene 20/30 FR roof system through the rigid insulation and lightweight insulating concrete and anchor into the slotted galvanized metal deck. Please note that a moisture scan will be required on all membrane overlayments where the existing roof assembly has rigid insulation under the membrane.
1. A copy of the report must be sent to Siplast Technical and Design Support for evaluation.

2.5 LABAY MIDDLE SCHOOL

A. Existing assembly: Paradiene 2030 CBA-T roof membrane system over a mechanically fastened Parabase Plus base sheet. (Siplast Guarantee No 25392). Heat and remove the foil of the Veral Aluminum base flashings at all of the mechanical curbs, expansion joints, and wall flashing conditions. Remove any wet/damaged/deteriorated membrane plies and repair any blisters with compatible materials, bringing them back to a level with surrounding surfaces and into a watertight condition. Replace all sheet metal components including gravel guard edge details and raised edge details, expansion joints, mechanical curbs, and walls. Metal gauge and finish should Cy-Fair I.S.D. guidelines; 0.040 Prefinished Aluminum.

B. Internal Drain: Remove the lead and existing flashing plies 4 feet in each direction from the drains.

C. Substrate preparation: Fastener withdrawal tests must be conducted prior to application to confirm what fastener is approved. Mechanically fasten the Paradiene 20/30 FR roof system through the lightweight insulating concrete and anchor into the slotted galvanized metal deck.

PART 3 - EXECUTION

3.1 PROTECTION

A. Protect existing building surfaces against damage from roofing installation.

3.2 PREPARATION

A. General
   1. Prepare roof surfaces as recommended by manufacturer of original installation.
   2. Sweep or vacuum all surfaces, removing all loose aggregate and foreign substances prior to commencement of roofing.

B. Remove All Existing:
   1. Loose granules
   2. Edge metal
   3. Flanged metal flashings

C. Wet Areas: Remove any areas of the existing assembly where moisture is present and replace with compatible materials, bringing the areas back to level with surrounding surfaces. Apply a layer of the specified stripping ply over all repaired areas prior to application of the finish ply.

D. Walkpads: Remove any protective walk pads over the existing roof surface. Replace areas damaged during removal with additional layers of the specified stripping ply, applied in the specified adhesive, bringing the areas back to level with surrounding surfaces prior to application of the specified finish ply. Upon completion of the finish ply, install the new specified walk pads to replace the existing, at all access points and around all serviceable equipment.

E. Preparation of the Existing Paradiene 30 FR Finish Ply: Sweep loose granules and remove blisters, buckles and surface irregularities. Patch all such areas; bringing them back level with surrounding surfaces using the specified membrane materials.

F. Metal Edge: Remove and dispose of edge metal and flanged metal flashings. Apply the specified stripping ply at the roof edge, lapping a minimum of 18 inches over the prepared surface of the existing roof system. Turn the stripping ply past the roof edge and over the nailer.

G. Flanged Metal Flashings: Cut the flanged metal flashings at roof level and remove/dispose of the materials/flashings that are not sandwiched between roofing plies.

H. Roof Drains: Remove the strainers and clamping rings from the drain assemblies.

I. Preparation Of The Existing Veral Aluminum Flashing Sheets: Apply a torch to the foil-faced surfaces of the existing flashing sheets and remove the foil surfacing. Score the foil surfaces at the laps of the sheets to facilitate removal. Care must be taken while scoring the foil surfacing to prevent cutting the underlying reinforcement.

J. Cook Middle School - Reattachment of the existing roof system (Assembly 1): Mechanically fasten the Paradiene 20/30 FR roof system through the existing lightweight insulating deck and anchor into the metal deck using Parafast Fasteners at a specified length with 3-inch plates. Fasten each sheet every 24 inches through the laps and stagger fasten the remainder of the sheet in 1 row with fasteners on 24-inch centers.

K. Labay Middle School - Reattachment of the existing roof system: Mechanically fasten the Paradiene 20/30 FR roof system through the existing lightweight insulating deck and anchor into the metal deck using Parafast Fasteners at a specified length with 3-inch plates. Fasten each sheet every 24 inches through the laps and stagger fasten the remainder of the sheet in 1 row with fasteners on 24-inch centers.

3.3 COOK MIDDLE SCHOOL - INSTALLATION SHEATHING PANEL

A. Sheathing Panel (Assembly 2): Install the sheathing panel in an application of the specified insulation adhesive in 3/4- to 1-inch wide beads spaced 12 inches on center in the field of the roof, 6 inches on center at the perimeter of the roof, and 4 inches on center in the corners of the roof. Panels may be affected by post-growth of the insulation adhesive. Continuous walking in of the panels is recommended particularly in perimeter/corner areas with reduced bead spacing. Follow the requirements and guidelines of the insulation adhesive manufacturer/supplier. Stagger the panel joints between insulation layers.

3.4 ROOF MEMBRANE INSTALLATION – GENERAL

A. Membrane Application: Apply roofing in accordance with the roofing system manufacturer's instructions and the following requirements. Application of roofing membrane components shall immediately follow application of base sheet and/or insulation as a continuous operation.

B. Aesthetic Considerations: An aesthetically pleasing overall appearance of the finished roof application is a standard requirement for this project. Make necessary preparations, utilize recommended application techniques, apply the specified materials (i.e. granules, etc.), and exercise care in ensuring that the finished application is acceptable to the Owner.

C. Membrane Adhesive Application: Apply cold adhesive in a smooth, even, continuous layer without breaks or voids at the rate of 1 1/2 to 2 1/2 gallons per square.

D. Bitumen Consistency: Cutting or alteration of bitumen, primer, and sealants will not be permitted.

E. Roofing Application: Apply all layers of roofing free of wrinkles, creases or fishmouths. Exert sufficient pressure on the roll during application to ensure prevention of air pockets.
   1. Apply all layers of roofing perpendicular to the slope of the deck.
   2. Fully bond the base ply to the prepared substrate, utilizing minimum 3 inch side and end laps. Apply each sheet directly behind the cold adhesive or torch applicator. Cut a dog ear angle at the end laps on overlapping selvage edges. Using a clean trowel, apply top pressure to top seal T-laps immediately following sheet application. Stagger end laps a minimum of 3 feet.
   3. Fully bond the finish ply to the base ply, utilizing minimum 3 inch side and end laps. Apply each sheet directly behind the cold adhesive or torch applicator. Stagger end laps of the finish ply a minimum 3 feet. Cut a dog ear angle at the end laps on overlapping selvage edges. Using a clean trowel, apply top pressure to top seal T-laps immediately following sheet application. Stagger side laps of the finish ply a minimum 12 inches from side laps in the underlying base ply. Stagger end laps of the finish ply a minimum 3 feet from end laps in the underlying base ply.
   4. Heat weld all side and end laps of the modified bitumen plies during each day’s application in areas where standing water accumulates.

F. Granule Embedment: Broadcast mineral granules over all bitumen/adhesive overruns on the finish ply surface to ensure a monolithic surface color.

G. Flashing Application: Flash masonry parapet walls and curbs using the metal foil flashing membrane. After the finish ply has been applied to the top of the cant, prepare the surface area that is to receive flashing coverage by torch heating granular surfaces or by application of asphalt primer; allowing the primer to dry thoroughly. Torch apply the metal foil-faced flashing into place using three foot widths (cut off the end of roll) , always lapping the factory selvage edge. Extend the flashing sheet a minimum of 6 inches beyond the toe of the cant over the prepared surface of the finish ply and up the wall to the desired flashing height. Stagger the laps of the metal foil flashing layer from lap seams in the finish ply layer. Exert pressure on the flashing sheet during application to ensure complete contact with the prepared wall/roof surfaces, preventing air pockets; this can be accomplished by using a damp sponge or shop rag. Check and seal all loose laps and edges. Nail the top edge of the flashing on 9 inch centers.

H. Water Cut-Off: At end of day's work, or when precipitation is imminent, construct a water cut-off at all open edges. Cut-offs can be built using asphalt or plastic cement and roofing felts, constructed to withstand protracted periods of service. Cut-offs must be completely removed prior to the resumption of roofing.

3.5 RELATED COMPONENTS – INSTALLATION

A. Flashing And Repair Work
   1. General: Perform work in strict accordance with instructions and recommendations of the manufacturer of original installation materials.
   2. Cut holes for penetrations.
   3. Lay base flashing and seal down to membrane and penetration.
   4. Strip in flashing with multiple layers of felt and bitumen on built-up systems and with one layer of sheet material on single-ply systems.
   5. Counterflash as required to make watertight.

B. Edge Metal: Completely prime metal flanges and allow to dry prior to installation. After the stripping ply of Paradiene 20 has been applied at the perimeter and the continuous cleat has been installed, set the edge metal flange in mastic and stagger nail every 3 inches on center. Strip-in the flange using the stripping-ply material, extending a minimum of 4 inches beyond the edge of the flange. Terminate the Paradiene 30 FR BW finish ply at the gravel-stop rise of the edge metal.

C. Lead Pipe Flashings: Completely prime the lead flanges and allow to dry prior to installation. Set the flange in mastic around the penetration, and strip-in the flange using the stripping-ply material, extending a minimum of 4 inches beyond the edge of the flange. Terminate the finish ply at the flange-sleeve juncture of the pipe flashing.

D. Flanged Metal Flashings: Set the flange of the new metal flashings in a full bed of PA-1021 Plastic Cement and secure the flange. Strip-in the flange using Paradiene 20, extending a minimum of 4 inches beyond the edge of the flange. Terminate the Paradiene 40 FR finish ply at the flange-sleeve juncture of the pipe flashing.

E. Roof Drains: Install the Paradiene 30 FR BW finish ply to extend beneath the clamping ring seal, setting the finish ply in a full bed of PA-1021 Plastic Cement 6 inches beyond the perimeter of the drain bowl. Reinstall the clamping rings and strainers, ensuring that the clamping ring is secured using the torque specified by the drain manufacturer.

3.6 SPECIAL CONDITIONS

A. Site Condition: Leave all areas around the job site free of debris, roofing materials, equipment and related items after completion of job.

B. Notification Of Completion: Notify the manufacturer by means of manufacturer's printed Notification of Completion form of job completion in order to schedule a final inspection date.

C. Final Inspection
   1. Post-Installation Meeting: Hold a meeting at the completion of the project, attended by all parties that were present at the pre-job conference. A punch list of items required for completion shall be compiled by the Contractor and the manufacturer's representative. Complete, sign, and mail the punch list form to the manufacturer's headquarters.

END OF SECTION

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SECTION 08 71 00

DOOR HARDWARE – COOK MIDDLE SCHOOL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes commercial door hardware for the following:

1. Swinging doors.
2. Other doors to the extent indicated.

B. Door hardware includes, but is not necessarily limited to, the following:

1. Mechanical door hardware.
2. Electromechanical door hardware.
3. Cylinders specified for doors in other sections.

C. Related Sections:

1. Division 08 Section “Door Hardware Schedule”.
2. Division 08 Section “Hollow Metal Doors and Frames”.
3. Division 08 Section “Interior Aluminum Doors and Frames”.
4. Division 08 Section “Plastic Laminate Faced Wood Doors”.

D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.

1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
2. ICC/IBC - International Building Code.
3. NFPA 70 - National Electrical Code.
4. NFPA 80 - Fire Doors and Windows.
5. NFPA 101 - Life Safety Code.
6. NFPA 105 - Installation of Smoke Door Assemblies.
7. State Building Codes, Local Amendments.

E. Standards: All hardware specified herein shall comply with the following industry standards:

1. ANSI/BHMA Certified Product Standards - A156 Series
2. UL10C – Positive Pressure Fire Tests of Door Assemblies

1.3 SUBMITTALS

A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.

B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."

2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.

3. Content: Include the following information:

    a. Type, style, function, size, label, hand, and finish of each door hardware item.
    b. Manufacturer of each item.
    c. Fastenings and other pertinent information.
    d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
    e. Explanation of abbreviations, symbols, and codes contained in schedule.
    f. Mounting locations for door hardware.
    g. Door and frame sizes and materials.
    h. Warranty information for each product.

4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.

C. Shop Drawings: Details of electrified access control hardware indicating the following:

1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:

    a. Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
    b. Complete (risers, point-to-point) access control system block wiring diagrams.
    c. Wiring instructions for each electronic component scheduled herein.

2. Electrical Coordination: Coordinate with related sections the voltages and wiring details required at electrically controlled and operated hardware openings.

D. Proof of Certification: Provide copy of manufacturer(s) official certification or accreditation document indicating proof of status as a qualified installer of Windstorm assemblies.

E. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.

F. Informational Submittals:

1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.

G. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Submittals.

1.4 QUALITY ASSURANCE

A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.

B. Installer Qualifications: A minimum 3 years documented experience hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.

C. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.

D. Integrated Wiegand, Wireless, and IP-Enabled Access Control Products Supplier Qualifications: Integrated access control products and accessories are required to be supplied and installed through current members of the ASSA ABLOY "Authorized Channel Partner" (ACP) and "Certified Integrator" (CI) programs. Suppliers are to be factory trained, certified prior to project bid, and a direct purchaser of the specified product. Installers are to be factory trained, certified prior to project bid, and are responsible for commissioning, servicing, and warranting the installed equipment specified for the project.

E. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.

1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
2. Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated

F. Each unit to bear third party permanent label demonstrating compliance with the referenced standards.

G. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:

1. Function of building, purpose of each area and degree of security required.
2. Plans for existing and future key system expansion.
3. Requirements for key control storage and software.
4. Installation of permanent keys, cylinder cores and software.
5. Address and requirements for delivery of keys.

H. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.

1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
3. Review sequence of operation narratives for each unique access controlled opening.
4. Review and finalize construction schedule and verify availability of materials.
5. Review the required inspecting, testing, commissioning, and demonstration procedures

I. At completion of installation, provide written documentation that components were applied to manufacturer's instructions and recommendations and according to approved schedule.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site.

B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.

C. Deliver, as applicable, permanent keys, cylinders, cores and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.6 COORDINATION

A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.

B. Door Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.

C. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.7 WARRANTY

A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:

1. Structural failures including excessive deflection, cracking, or breakage.
2. Faulty operation of the hardware.
3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
4. Electrical component defects and failures within the systems operation.

C. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.

D. Special Warranty Periods:

1. Lifetime for mortise locks and latches.
2. Five years for exit hardware.
3. Ten years for electric latch retraction exit motors
4. Twenty-five years for manual surface door closer bodies.
5. Two years for electromechanical door hardware.
6. Lifetime for SN200 readers.

1.8 MAINTENANCE SERVICE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

1.9 OWNER STOCK – See Attic Stock at the end of Hardware Schedule.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.

B. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows:

C. Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.

D. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

2.2 HANGING DEVICES

A. Hinges: ANSI/BHMA A156.1 certified butt hinges with number of hinge knuckles as specified in the Door Hardware Sets.

1. Quantity: Provide the following hinge quantity, unless otherwise indicated:

a. Two Hinges: For doors with heights up to 60 inches.
b. Three Hinges: For doors with heights 61 to 90 inches.
c. Four Hinges: For doors with heights 91 to 120 inches.
d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.

2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:

a. Widths up to 3’0”: 4-1/2” standard or heavy weight as specified.
b. Sizes from 3’1” to 4’0”: 5” standard or heavy weight as specified.

3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:

a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.

4. Hinge Options: Comply with the following where indicated in the Hardware Sets or on Drawings:

a. Non-removable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the all out-swinging lockable doors.

5. Acceptable Manufacturers:

a. Hager Companies (HA).
b. McKinney Products (MK).
c. Stanley Hardware (ST).

B. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 certified continuous geared hinge. with minimum 0.120-inch thick extruded 6060 T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Factory trim hinges to suit door height and prepare for electrical cut-outs.

1. Acceptable Manufacturers:

a. McKinney Products (MK).
b. Pemko Manufacturing (PE).
c. Stanley Hardware (ST).

2.3 POWER TRANSFER DEVICES

A. Concealed Quick Connect Electric Power Transfers: Provide concealed wiring pathway housing mortised into the door and frame for low voltage electrified door hardware. Furnish with Molex™ standardized plug connectors and sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.

1. Acceptable Manufacturers:

    a. Pemko Manufacturing (PE) – EL-CEPT Series.
    b. Securitron (SU) - EL-CEPT Series.
    c. Stanley Hardware (ST) EPT-12C Series.

B. Electric Door Wire Harnesses: Provide electric/data transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number and type of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two per electrified opening.

1. Provide one each of the following tools as part of the base bid contract:
    a. McKinney Products (MK) - Electrical Connecting Kit: QC-R001.
    b. McKinney Products (MK) - Connector Hand Tool: QC-R003.

2.4 DOOR OPERATING TRIM

A. Flush Bolts and Surface Bolts: ANSI/BHMA A156.3 and A156.16, Grade 1, certified.

1. Manual flush bolts to be furnished with top rod of sufficient length to allow bolt location approximately six feet from the floor.
2. Furnish dust proof strikes for bottom bolts.
3. Surface bolts to be minimum 8” in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable.
4. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.

5. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

B. Door Push Plates and Pulls: ANS/BHMA A156.6 certified door pushes and pulls of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.

1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.
3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated.
4. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.

5. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

2.5 CYLINDERS AND KEYING

A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.

B. Source Limitations: Obtain each type of keyed cylinder and keys from the same source manufacturer as locksets and exit devices, unless otherwise indicated.

1. Acceptable Manufacturers:

    a. Stanley Best (BE).
    b. Sargent Cylinder Housings
    c. No Substitution.

C. Cylinders: Original manufacturer cylinders complying with the following:

1. Mortise Type: Threaded cylinders with rings and cams to suit hardware application.
2. Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
3. Bored-Lock Type: Cylinders with tailpieces to suit locks.
4. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
5. Keyway: Match Facility Standard.

D. Keying System: Each type of lock and cylinders to be factory keyed.

1. Conduct specified "Keying Conference" to define and document keying system instructions and requirements.
2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
3. Existing System: Key locks to Owner's existing system.

E. Key Quantity: Provide the following minimum number of keys:

1. Change Keys per Cylinder: Two (2)
2. Twenty construction cores
3. 50 Key Blanks – Best “A” Keyway

F. Construction Keying: Provide temporary keyed construction cores. Green Best Cores No Substitution . All Best temporary cores to be returned to the district at the end of the project.

G. Key Registration List (Bitting List):

1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
2. Provide transcript list in writing or electronic file as directed by the Owner.

H. Key Control Cabinet: Provide a key control system including envelopes, labels, and tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet. Key control cabinet shall have expansion capacity of 150% of the number of locks required for the project. Provide a new cabinet to all new construction projects. Use Lund 1205-B as a basis of design.

1. Acceptable Manufacturers:

a. Lund Equipment (LU).
b. MMF Industries (MM).
c. Telkee (TK).

2.6 MECHANICAL LOCKS AND LATCHING DEVICES

A. Mortise Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.13. Locksets are to be manufactured with a corrosion resistant steel case and be field-reversible for handing without disassembly of the lock body.

1. Acceptable Manufacturers

a. Sargent Manufacturing (SA) 8200 Series – No substitutions
b. Sargent Manufacturing (SA) 10X Series - No substitutions
1) Use at student restrooms or as directed by Cy Fair ISD

2.7 AUXILIARY LOCKS

A. Tubular Deadlocks: Deadlocks to be products of the same source manufacturer and keyway as other specified locksets.

1. Acceptable Manufacturers:

a. Marks (MX) - 130 Series.
b. Sargent Manufacturing (SA) – 480 Series.

2.8 LOCK AND LATCH STRIKES

A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:

1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
2. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.

B. Standards: Comply with the following:

1. Strikes for Mortise Locks and Latches: BHMA A156.13.
2. Strikes for Auxiliary Deadlocks: BHMA A156.5.
3. Dustproof Strikes: BHMA A156.16.

2.9 CONVENTIONAL EXIT DEVICES

A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:

1. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.

2. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer’s catalog and template book for specific requirements.

3. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.

4. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.

5. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.

    a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
    b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.

6. Rail Sizing: Provide exit device rails factory sized for proper door width application.

7. Through Bolt Installation: For exit devices and trim as indicated (TB) in Door Hardware Sets.

8. Provide Less Dogging (LD) at all exit devices.

9. Add 31- Prefix to all exit devices being provided at two inch aluminum doors.

10. No self-tapping screws allowed.

B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 certified panic and fire exit hardware devices furnished in the functions specified in the Hardware Sets. Exit device latch to be stainless steel, pullman type, with deadlock feature.

1. Acceptable Manufacturers:

    a. Sargent Manufacturing (SA) - 80 Series.
    b. No Substitution.

C. Tube Steel Removable Mullions: ANSI/BHMA A156.3 removable steel mullions with malleable-iron top and bottom retainers and a primed paint finish.

1. Provide keyed removable feature where specified in the Hardware Sets.

2. Provide stabilizers and mounting brackets as required.

3. Provide electrical quick connection wiring options as specified in the hardware sets.

4. Acceptable Manufacturers:

    a. Stanley Precision (PR) - 822 Series.
    b. No Substitution.

2.10 INTEGRATED WIEGAND OUTPUT ACCESS CONTROL EXIT DEVICES

A. Wiegand Output Integrated Card Reader Exit Hardware: Wiegand output ANSI 156.3 Grade 1 rim, mortise, and vertical rod exit device hardware with integrated proximity card reader, latchbolt and touchbar monitoring, and request-to-exit signaling, in one complete unit. Hard wired, solenoid driven locking/unlocking control of the lever handle exit trim with 3/4" throw latch bolt. U.L listed and labeled for either panic or "fire exit hardware" for use on up to 3 hour fire rated openings. Available with or without keyed high security cylinder override.

1. Open architecture, hard wired platform supports centralized control of locking units with new or existing Wiegand compatible access control systems. Inside push bar (request-to-exit) signaling and door position (open/closed status) monitoring (via separately connected DPS).
2. Reader supports either HID 125 kHz proximity (up to 39 bits, including Corporate 1000) or 13.56 MHz (2K-32K) iClass® credentials.
3. 12VDC external power supply required for reader, with optional 24VDC operation available with iClass® reader (125 kHz reader is always 12VDC). 24VDC required for solenoid operated exit trim (12VDC if applicable). Fail safe or fail secure options.
4. Installation requires only one cable run from the exit hardware to the access control panel without requirements for additional proprietary lock panel interface boards or modules.

5. Acceptable Manufacturers:

    a. Sargent Manufacturing (SA) - SN – 56-SN20080 Series Exits. x SPAR04867
    b. Sargent Manufacturing (SA) - SN – SN2008200 Series Locks.
    c. No Substitution.

2.11 DOOR CLOSERS

A. All door closers specified herein shall meet or exceed the following criteria:

1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers including installation and adjusting information on inside of cover.

2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.

3. Cycle Testing: Provide closers which have surpassed 15 million cycles in a test witnessed and verified by UL.

4. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the physically handicapped, provide units complying with ANSI ICC/A117.1.

5. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.

6. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.

7. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates, and through-bolt and security type fasteners as required for proper installation.

8. Through Bolt Installation: All door closers are to be installed with (TB) through bolting as indicated in Door Hardware Sets.

9. No self-tapping screws allowed.

B. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.

1. Acceptable Manufacturers:

a. Sargent Manufacturing (SA) – TB 351 Series.

2.12 SURFACE MOUNTED CLOSER HOLDERS

A. Electromagnetic Door Holders: Certified ANSI A156.15 electromagnetic door holder/releases with a minimum 20 to 40 pounds holding power and single coil construction able to accommodate.12VDC, 24VAC, 24VDC and 120VAC. Coils to be independently wound, employing an integral fuse and armatures to include a positive release button.

1. Acceptable Manufacturers:

a. LCN Door Closers (LC) - SEM7800 Series.
b. Rixson (RF) - 980/990 Series.
c. Sargent Manufacturing (SA) - 1560 Series.

2.13 ARCHITECTURAL TRIM

A. Door Protective Trim

1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.

2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1” LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.

3. Protection Plates: ANSI/BHMA A156.6 certified protection plates (kick, armor, or mop), fabricated from the following:

a. Stainless Steel: 300 grade, 050-inch thick.

4. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.

5. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

2.14 DOOR STOPS AND HOLDERS

A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.

B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 certified door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.

1. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

C. Overhead Door Stops and Holders: ANSI/BHMA A156.6, Grade 1 certified overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.

1. Acceptable Manufacturers:

    a. Do not use overhead stops/holders

2.15 ARCHITECTURAL SEALS

A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.

B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.

1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.

C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.

1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and UBC 7-2, Fire Tests of Door Assemblies.

D. No Replaceable Seal Strips allowed: Provide only those units where they can be screw applied..

E. Acceptable Manufacturers:

1. National Guard Products (NG).

2. Pemko Manufacturing (PE).
3. Reese Enterprises, Inc. (RE).

2.16 ELECTRONIC ACCESSORIES

A. Door Position Switches: Door position magnetic reed contact switches specifically designed for use in commercial door applications. On recessed models the contact and magnetic housing snap-lock into a 1" diameter hole. Surface mounted models include wide gap distance design complete with armored flex cabling. Provide SPDT, N/O switches with optional Rare Earth Magnet installation on steel doors with flush top channels.

1. Acceptable Manufacturers:

a. Provided by Security

B. Switching Power Supplies: Provide UL listed or recognized filtered and regulated power supplies. Provide single, dual, or multi-voltage units as shown in the hardware sets. Units must be expandable up to eight Class 2 power limited outputs. Units must include the capability to incorporate a battery backup option with integral battery charging capability in addition to operating the DC load in event of line voltage failure. Provide the least number of units, at the appropriate amperage level, sufficient to exceed the required total draw for the specified electrified hardware and access control equipment.

1. Acceptable Manufacturers:

a. Provided by Security

2.17 FABRICATION

A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.18 FINISHES

A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.

B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware.

C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.

B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.

B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.

1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.

B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:

1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
2. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.

C. Integrated Wiegand access control products are required to be installed through current members of the ASSA ABLOY "Certified Integrator" (CI) program.

D. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

E. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."

F. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

G. No self-tapping screws allowed.

3.4 FIELD QUALITY CONTROL

A. Field Inspection: Supplier will perform a final inspection of installed door hardware and state in report whether work complies with or deviates from requirements, including whether door hardware is properly installed, operating and adjusted.

3.5 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

B. Final Adjustment: Installer shall return and make final adjustment of all hardware once all air conditioning test and balance is complete. Final adjustment shall be made while air conditioner system is operating. Coordinate with General Contractor and Owner.

3.6 CLEANING AND PROTECTION

A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.

B. Clean adjacent surfaces soiled by door hardware installation.

C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.7 DEMONSTRATION

A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.8 DOOR HARDWARE SETS

The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

A. Manufacturer’s Abbreviations:

1. MK - McKinney
2. OT - OTHER
3. PE - Pemko
4. RO - Rockwood
5. PR - Precision
6. MX - Marks
7. SA - Sargent
8. AD - Adams Rite
9. BE - Best Access Systems
10. RF – Rixson
11. AK – Alarm Controls

Hardware Sets

Set: 1.0

Door: 19
Description: Add SN200 reader and 2 door viewers

1	SN200 Reader	52 6027 (Exit / Lock)	26D	SA
2	Viewer	622	CRM	RO
1	Balance of hardware	Existing to remain		OT

Set: 2.0

Doors: 10, 15
Description: Replace 462 stop pair

2	Door Stop	462	US2C	RO
1	Balance of hardware	Existing to remain		OT

Set: 2.1

Doors: 13, 14, 25, 28
Description: Replace 462 stop

1	Door Stop	462	US2C	RO
1	Balance of hardware	Existing to remain		OT

Set: 3.0

Doors: 22
Description: Replace new 351 closers

2	Surface Closer	TB 351 PS	EN	SA
1	Balance of hardware	Existing to remain		OT

Set: 4.0

Doors: 20
Description: New 56-8804 exit, 2N station, loop, gasketing, 462 stop

1	Continuous Hinge	CFM HD1 x Dr. Ht.		PE
1	Rim Exit Device, Storeroom	LD 19 TB 43 56 70 8804 Less Pull	US32D	SA
1	Vandal Resistant Trim	826	US32D	SA
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Rain Guard	346C x Frame Width		PE
1	Sweep	345ANB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
1	Card Reader	by security		OT
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK

1	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU

Notes: New 2N station

Set: 5.0

Doors: 1
Description: Existing add 8804 exit and 8810 exit, 462 stop

1	Rim Exit Device, Storeroom	LD 19 TB 43 70 8804 Less Pull	US32D	SA
1	Rim Exit Device, Exit Only	LD 19 TB 43 8810 EO	US32D	SA
2	Door Stop	462	US2C	RO
1	Balance of hardware	Existing to remain		OT

Set: 6.0

Doors: 26, 27
Description: Existing add SN200 exit, gasketing, loop, 462 stop

1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Balance of hardware	Existing to remain		OT

Set: 6.1

Doors: 11, 12, 17, 21, 5, 6, 7, 8, 9
Description: Existing add SN200 exit, gasketing, loop, 462 stop

1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
2	Viewer	622	CRM	RO
1	Balance of hardware	Existing to remain		OT

Set: 7.0

Doors: 3
Description: New SN200 exit, gasketing, 462 stop

1	Continuous Hinge	CFM HD1 PT x Dr. Ht.		PE
1	Electric Power Transfer	EPT		SU
1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804	US32D	SA
1	Vandal Resistant Trim	826	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Surface Closer	TB 351 PS	EN	SA
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Rain Guard	346C x Frame Width		PE
1	Sweep	345ANB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU

Set: 8.0

Doors: 29, 30
Description: Existing add SN200 exit, loop. gasketing, sweep, 462 stop

1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804	US32D	SA
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Sweep IDF/MDF/Alum	18061CNB x Dr. Width		PE
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Balance of hardware	Existing to remain		OT

Set: 9.0

Doors: 510
Description: Existing add 8816 exit, 491S stop

1	Rim Exit Device	LD 19 TB 43 49 70 8816 ETL	US32D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Door Stop & Holder	491S	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 10.0

Doors: 100, 101, 102, 104, 106, 114, 116, 117, 120, 121, 125, 126, 127, 128, 133, 134, 139, 141, 142, 143, 144, 200, 203, 204, 206, 209, 211, 216, 218, 219, 220, 221, 224, 229, 232, 233, 234, 235, 238, 239, 244, 245, 249, 251, 252, 254

Description: New closer

1	Surface Closer	351 O / P9 (type as required)	EN	SA
1	Balance of hardware	Existing to remain		OT

Set: 11.0

Doors: 111, 112, 135, 136, 205, 207, 217, 222, 223, 230, 231, 237, 246, 247, 253

Description: Existing add new closer and 481 stop

1	Surface Closer	351 O / P9 (type as required)	EN	SA
1	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 12.0

Doors: 2

Description: New 2N station

1	All hardware	Existing to remain		OT

Notes: Add new 2N station

Set: 13.0

Doors: 107, 118, 129, 411.2, 423.1, 403, 404, 411, 411.1

Description: Replace thumbturn

1	130KB	Thumbturn Kit	26D	SA
1	Balance of hardware	Existing to remain		OT

Set: 13.1

Doors: 316.1, 623.1

Description: Existing add 8204

1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Balance of hardware	Existing to remain		OT

Set: 14.0

Doors: 301, 500, 520, 520.1, 530, 604, 608A, 617

Description: Existing add 491 stop

1	Door Stop & Holder	491S	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 15.0

Doors: 613, 614
Description: Existing add 491 stop pair of doors

1	Door Stop & Holder	491S	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 16.0

Doors: 422, 423
Description: Replace thumbturn and add 491 stop

1	130KB	Thumbturn Kit	26D	SA
1	Door Stop & Holder	491S	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 17.0

Doors: 115.3
Description: Existing add 481 stops pair of doors

2	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 18.0

Doors: 316.2, 317, 318, 531, 532, 533
Description: New office/storage

4	Hinge, Full Mortise	TA2714	US26D	MK
1	Classroom Lock	70 8237 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
3	Silencer	608		RO

Set: 19.0

Doors: 534
Description: New storage pair

6	Hinge, Full Mortise	TA2714	US26D	MK
1	Surface Bolt	580-12	US26D	RO
1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Surface Closer	351 O / P9 (type as required)	EN	SA
1	Door Stop	462	US2C	RO
3	Silencer	608		RO

Set: 20.0

Doors: MISC

Description: **Attic Stock - EVERY CAMPUS

1	Hydraulic Gate Closer & Hinge	MAMMOTH-180-HD	9005	OT
5	Quick Fix Bolts	MAMMOTH-P00006000		OT
5	Mullion Lock	98-2520		SA
5	Mullion Lock	98-2518		SA
5	8205 thumbturn kit	130KB	26D	SA
5	Classroom Security Intruder Lock Body	8238	US26D	SA
50	Interchangeable Core	I/CK-7	626	BE
50	Key Blanks	Best "A" Keyway		BE
12	Regular Hold Open Arm	25-H	EN	SA
12	Parallel Hold Open Arm	25-PSH	EN	SA
4	Electromagnetic Holder	994M 24VAC	689	RF
5	994M Magnetic Parts	Door Armature 994510M	689	RF
5	994M Magnetic Parts	Screw & Backplate 998300	689	RF
5	994M Magnetic Parts	Swivel Armature 900-3	689	RF
5	994M Magnetic Parts	Magnet Assembly 998369-3V	689	RF
5	994M Magnetic Parts	Wall Cover 998315M	689	RF
4	SN200 Reader	52 6027 (Exit / Lock)	26D	SA

Notes: All attic stock ships direct to
Director of Technical Services
Cy Fair ISD Lockshop
11430 Perry Road
Houston, Texas 77064

SECTION 08 71 01

DOOR HARDWARE – LABAY MIDDLE SCHOOL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes commercial door hardware for the following:

1. Swinging doors.
2. Other doors to the extent indicated.

B. Door hardware includes, but is not necessarily limited to, the following:

1. Mechanical door hardware.
2. Electromechanical door hardware.
3. Cylinders specified for doors in other sections.

C. Related Sections:

1. Division 08 Section “Door Hardware Schedule”.
2. Division 08 Section “Hollow Metal Doors and Frames”.
3. Division 08 Section “Interior Aluminum Doors and Frames”.
4. Division 08 Section “Plastic Laminate Faced Wood Doors”.

D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.

1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
2. ICC/IBC - International Building Code.
3. NFPA 70 - National Electrical Code.
4. NFPA 80 - Fire Doors and Windows.
5. NFPA 101 - Life Safety Code.
6. NFPA 105 - Installation of Smoke Door Assemblies.
7. State Building Codes, Local Amendments.

E. Standards: All hardware specified herein shall comply with the following industry standards:

1. ANSI/BHMA Certified Product Standards - A156 Series
2. UL10C – Positive Pressure Fire Tests of Door Assemblies

1.3 SUBMITTALS

A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.

B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."

2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.

3. Content: Include the following information:

    a. Type, style, function, size, label, hand, and finish of each door hardware item.
    b. Manufacturer of each item.
    c. Fastenings and other pertinent information.
    d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
    e. Explanation of abbreviations, symbols, and codes contained in schedule.
    f. Mounting locations for door hardware.
    g. Door and frame sizes and materials.
    h. Warranty information for each product.

4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.

C. Shop Drawings: Details of electrified access control hardware indicating the following:

1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:

    a. Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
    b. Complete (risers, point-to-point) access control system block wiring diagrams.
    c. Wiring instructions for each electronic component scheduled herein.

2. Electrical Coordination: Coordinate with related sections the voltages and wiring details required at electrically controlled and operated hardware openings.

D. Proof of Certification: Provide copy of manufacturer(s) official certification or accreditation document indicating proof of status as a qualified installer of Windstorm assemblies.

E. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.

F. Informational Submittals:

1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.

G. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Submittals.

1.4 QUALITY ASSURANCE

A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.

B. Installer Qualifications: A minimum 3 years documented experience hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.

C. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.

D. Integrated Wiegand, Wireless, and IP-Enabled Access Control Products Supplier Qualifications: Integrated access control products and accessories are required to be supplied and installed through current members of the ASSA ABLOY "Authorized Channel Partner" (ACP) and "Certified Integrator" (CI) programs. Suppliers are to be factory trained, certified prior to project bid, and a direct purchaser of the specified product. Installers are to be factory trained, certified prior to project bid, and are responsible for commissioning, servicing, and warranting the installed equipment specified for the project.

E. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.

1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
2. Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated

F. Each unit to bear third party permanent label demonstrating compliance with the referenced standards.

G. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:

1. Function of building, purpose of each area and degree of security required.
2. Plans for existing and future key system expansion.
3. Requirements for key control storage and software.
4. Installation of permanent keys, cylinder cores and software.
5. Address and requirements for delivery of keys.

H. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.

1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
3. Review sequence of operation narratives for each unique access controlled opening.
4. Review and finalize construction schedule and verify availability of materials.
5. Review the required inspecting, testing, commissioning, and demonstration procedures

I. At completion of installation, provide written documentation that components were applied to manufacturer's instructions and recommendations and according to approved schedule.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site.

B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.

C. Deliver, as applicable, permanent keys, cylinders, cores and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.6 COORDINATION

A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.

B. Door Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.

C. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.7 WARRANTY

A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:

1. Structural failures including excessive deflection, cracking, or breakage.
2. Faulty operation of the hardware.
3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
4. Electrical component defects and failures within the systems operation.

C. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.

D. Special Warranty Periods:

1. Lifetime for mortise locks and latches.
2. Five years for exit hardware.
3. Ten years for electric latch retraction exit motors
4. Twenty-five years for manual surface door closer bodies.
5. Two years for electromechanical door hardware.
6. Lifetime for SN200 readers.

1.8 MAINTENANCE SERVICE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

1.9 OWNER STOCK – See Attic Stock at the end of Hardware Schedule.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.

B. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows:

C. Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.

D. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

2.2 HANGING DEVICES

A. Hinges: ANSI/BHMA A156.1 certified butt hinges with number of hinge knuckles as specified in the Door Hardware Sets.

1. Quantity: Provide the following hinge quantity, unless otherwise indicated:

a. Two Hinges: For doors with heights up to 60 inches.
b. Three Hinges: For doors with heights 61 to 90 inches.
c. Four Hinges: For doors with heights 91 to 120 inches.
d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.

2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:

a. Widths up to 3’0”: 4-1/2” standard or heavy weight as specified.
b. Sizes from 3’1” to 4’0”: 5” standard or heavy weight as specified.

3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:

a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.

4. Hinge Options: Comply with the following where indicated in the Hardware Sets or on Drawings:

a. Non-removable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the all out-swinging lockable doors.

5. Acceptable Manufacturers:

a. Hager Companies (HA).
b. McKinney Products (MK).
c. Stanley Hardware (ST).

B. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 certified continuous geared hinge. with minimum 0.120-inch thick extruded 6060 T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Factory trim hinges to suit door height and prepare for electrical cut-outs.

1. Acceptable Manufacturers:

a. McKinney Products (MK).
b. Pemko Manufacturing (PE).
c. Stanley Hardware (ST).

2.3 POWER TRANSFER DEVICES

A. Concealed Quick Connect Electric Power Transfers: Provide concealed wiring pathway housing mortised into the door and frame for low voltage electrified door hardware. Furnish with Molex™ standardized plug connectors and sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.

1. Acceptable Manufacturers:

    a. Pemko Manufacturing (PE) – EL-CEPT Series.
    b. Securitron (SU) - EL-CEPT Series.
    c. Stanley Hardware (ST) EPT-12C Series.

B. Electric Door Wire Harnesses: Provide electric/data transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number and type of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two per electrified opening.

1. Provide one each of the following tools as part of the base bid contract:
    a. McKinney Products (MK) - Electrical Connecting Kit: QC-R001.
    b. McKinney Products (MK) - Connector Hand Tool: QC-R003.

2.4 DOOR OPERATING TRIM

A. Flush Bolts and Surface Bolts: ANSI/BHMA A156.3 and A156.16, Grade 1, certified.

1. Manual flush bolts to be furnished with top rod of sufficient length to allow bolt location approximately six feet from the floor.
2. Furnish dust proof strikes for bottom bolts.
3. Surface bolts to be minimum 8” in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable.
4. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.

5. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

B. Door Push Plates and Pulls: ANS/BHMA A156.6 certified door pushes and pulls of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.

1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.
3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated.
4. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.

5. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

2.5 CYLINDERS AND KEYING

A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.

B. Source Limitations: Obtain each type of keyed cylinder and keys from the same source manufacturer as locksets and exit devices, unless otherwise indicated.

1. Acceptable Manufacturers:

    a. Stanley Best (BE).
    b. Sargent Cylinder Housings
    c. No Substitution.

C. Cylinders: Original manufacturer cylinders complying with the following:

1. Mortise Type: Threaded cylinders with rings and cams to suit hardware application.
2. Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
3. Bored-Lock Type: Cylinders with tailpieces to suit locks.
4. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
5. Keyway: Match Facility Standard.

D. Keying System: Each type of lock and cylinders to be factory keyed.

1. Conduct specified "Keying Conference" to define and document keying system instructions and requirements.
2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
3. Existing System: Key locks to Owner's existing system.

E. Key Quantity: Provide the following minimum number of keys:

1. Change Keys per Cylinder: Two (2)
2. Twenty construction cores
3. 50 Key Blanks – Best “A” Keyway

F. Construction Keying: Provide temporary keyed construction cores. Green Best Cores No Substitution . All Best temporary cores to be returned to the district at the end of the project.

G. Key Registration List (Bitting List):

1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
2. Provide transcript list in writing or electronic file as directed by the Owner.

H. Key Control Cabinet: Provide a key control system including envelopes, labels, and tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet. Key control cabinet shall have expansion capacity of 150% of the number of locks required for the project. Provide a new cabinet to all new construction projects. Use Lund 1205-B as a basis of design.

1. Acceptable Manufacturers:

a. Lund Equipment (LU).
b. MMF Industries (MM).
c. Telkee (TK).

2.6 MECHANICAL LOCKS AND LATCHING DEVICES

A. Mortise Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.13. Locksets are to be manufactured with a corrosion resistant steel case and be field-reversible for handing without disassembly of the lock body.

1. Acceptable Manufacturers

a. Sargent Manufacturing (SA) 8200 Series – No substitutions
b. Sargent Manufacturing (SA) 10X Series - No substitutions
1) Use at student restrooms or as directed by Cy Fair ISD

2.7 AUXILIARY LOCKS

A. Tubular Deadlocks: Deadlocks to be products of the same source manufacturer and keyway as other specified locksets.

1. Acceptable Manufacturers:

a. Marks (MX) - 130 Series.
b. Sargent Manufacturing (SA) – 480 Series.

2.8 LOCK AND LATCH STRIKES

A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:

1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
2. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.

B. Standards: Comply with the following:

1. Strikes for Mortise Locks and Latches: BHMA A156.13.
2. Strikes for Auxiliary Deadlocks: BHMA A156.5.
3. Dustproof Strikes: BHMA A156.16.

2.9 CONVENTIONAL EXIT DEVICES

A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:

1. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.

2. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer’s catalog and template book for specific requirements.

3. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.

4. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.

5. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.

    a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
    b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.

6. Rail Sizing: Provide exit device rails factory sized for proper door width application.

7. Through Bolt Installation: For exit devices and trim as indicated (TB) in Door Hardware Sets.

8. Provide Less Dogging (LD) at all exit devices.

9. Add 31- Prefix to all exit devices being provided at two inch aluminum doors.

10. No self-tapping screws allowed.

B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 certified panic and fire exit hardware devices furnished in the functions specified in the Hardware Sets. Exit device latch to be stainless steel, pullman type, with deadlock feature.

1. Acceptable Manufacturers:

    a. Sargent Manufacturing (SA) - 80 Series.
    b. No Substitution.

C. Tube Steel Removable Mullions: ANSI/BHMA A156.3 removable steel mullions with malleable-iron top and bottom retainers and a primed paint finish.

1. Provide keyed removable feature where specified in the Hardware Sets.

2. Provide stabilizers and mounting brackets as required.

3. Provide electrical quick connection wiring options as specified in the hardware sets.

4. Acceptable Manufacturers:

    a. Stanley Precision (PR) - 822 Series.
    b. No Substitution.

2.10 INTEGRATED WIEGAND OUTPUT ACCESS CONTROL EXIT DEVICES

A. Wiegand Output Integrated Card Reader Exit Hardware: Wiegand output ANSI 156.3 Grade 1 rim, mortise, and vertical rod exit device hardware with integrated proximity card reader, latchbolt and touchbar monitoring, and request-to-exit signaling, in one complete unit. Hard wired, solenoid driven locking/unlocking control of the lever handle exit trim with 3/4" throw latch bolt. U.L listed and labeled for either panic or "fire exit hardware" for use on up to 3 hour fire rated openings. Available with or without keyed high security cylinder override.

1. Open architecture, hard wired platform supports centralized control of locking units with new or existing Wiegand compatible access control systems. Inside push bar (request-to-exit) signaling and door position (open/closed status) monitoring (via separately connected DPS).
2. Reader supports either HID 125 kHz proximity (up to 39 bits, including Corporate 1000) or 13.56 MHz (2K-32K) iClass® credentials.
3. 12VDC external power supply required for reader, with optional 24VDC operation available with iClass® reader (125 kHz reader is always 12VDC). 24VDC required for solenoid operated exit trim (12VDC if applicable). Fail safe or fail secure options.
4. Installation requires only one cable run from the exit hardware to the access control panel without requirements for additional proprietary lock panel interface boards or modules.

5. Acceptable Manufacturers:

    a. Sargent Manufacturing (SA) - SN – 56-SN20080 Series Exits. x SPAR04867
    b. Sargent Manufacturing (SA) - SN – SN2008200 Series Locks.
    c. No Substitution.

2.11 DOOR CLOSERS

A. All door closers specified herein shall meet or exceed the following criteria:

1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers including installation and adjusting information on inside of cover.

2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.

3. Cycle Testing: Provide closers which have surpassed 15 million cycles in a test witnessed and verified by UL.

4. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the physically handicapped, provide units complying with ANSI ICC/A117.1.

5. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.

6. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.

7. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates, and through-bolt and security type fasteners as required for proper installation.

8. Through Bolt Installation: All door closers are to be installed with (TB) through bolting as indicated in Door Hardware Sets.

9. No self-tapping screws allowed.

B. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.

1. Acceptable Manufacturers:

a. Sargent Manufacturing (SA) – TB 351 Series.

2.12 SURFACE MOUNTED CLOSER HOLDERS

A. Electromagnetic Door Holders: Certified ANSI A156.15 electromagnetic door holder/releases with a minimum 20 to 40 pounds holding power and single coil construction able to accommodate.12VDC, 24VAC, 24VDC and 120VAC. Coils to be independently wound, employing an integral fuse and armatures to include a positive release button.

1. Acceptable Manufacturers:

a. LCN Door Closers (LC) - SEM7800 Series.
b. Rixson (RF) - 980/990 Series.
c. Sargent Manufacturing (SA) - 1560 Series.

2.13 ARCHITECTURAL TRIM

A. Door Protective Trim

1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.

2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1” LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.

3. Protection Plates: ANSI/BHMA A156.6 certified protection plates (kick, armor, or mop), fabricated from the following:

a. Stainless Steel: 300 grade, 050-inch thick.

4. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.

5. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

2.14 DOOR STOPS AND HOLDERS

A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.

B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 certified door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.

1. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

C. Overhead Door Stops and Holders: ANSI/BHMA A156.6, Grade 1 certified overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.

1. Acceptable Manufacturers:

    a. Do not use overhead stops/holders

2.15 ARCHITECTURAL SEALS

A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.

B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.

1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.

C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.

1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and UBC 7-2, Fire Tests of Door Assemblies.

D. No Replaceable Seal Strips allowed: Provide only those units where they can be screw applied..

E. Acceptable Manufacturers:

1. National Guard Products (NG).

2. Pemko Manufacturing (PE).
3. Reese Enterprises, Inc. (RE).

2.16 ELECTRONIC ACCESSORIES

A. Door Position Switches: Door position magnetic reed contact switches specifically designed for use in commercial door applications. On recessed models the contact and magnetic housing snap-lock into a 1" diameter hole. Surface mounted models include wide gap distance design complete with armored flex cabling. Provide SPDT, N/O switches with optional Rare Earth Magnet installation on steel doors with flush top channels.

1. Acceptable Manufacturers:

a. Provided by Security

B. Switching Power Supplies: Provide UL listed or recognized filtered and regulated power supplies. Provide single, dual, or multi-voltage units as shown in the hardware sets. Units must be expandable up to eight Class 2 power limited outputs. Units must include the capability to incorporate a battery backup option with integral battery charging capability in addition to operating the DC load in event of line voltage failure. Provide the least number of units, at the appropriate amperage level, sufficient to exceed the required total draw for the specified electrified hardware and access control equipment.

1. Acceptable Manufacturers:

a. Provided by Security

2.17 FABRICATION

A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.18 FINISHES

A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.

B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware.

C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.

B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.

B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.

1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.

B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:

1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
2. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.

C. Integrated Wiegand access control products are required to be installed through current members of the ASSA ABLOY "Certified Integrator" (CI) program.

D. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

E. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."

F. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

G. No self-tapping screws allowed.

3.4 FIELD QUALITY CONTROL

A. Field Inspection: Supplier will perform a final inspection of installed door hardware and state in report whether work complies with or deviates from requirements, including whether door hardware is properly installed, operating and adjusted.

3.5 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

B. Final Adjustment: Installer shall return and make final adjustment of all hardware once all air conditioning test and balance is complete. Final adjustment shall be made while air conditioner system is operating. Coordinate with General Contractor and Owner.

3.6 CLEANING AND PROTECTION

A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.

B. Clean adjacent surfaces soiled by door hardware installation.

C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.7 DEMONSTRATION

A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.8 DOOR HARDWARE SETS

The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

A. Manufacturer’s Abbreviations:
   1. MK - McKinney
   2. OT - OTHER
   3. PE - Pemko
   4. RO - Rockwood
   5. PR - Precision
   6. MX - Marks
   7. SA - Sargent
   8. AD - Adams Rite
   9. BE - Best Access Systems
   10. RF – Rixson
   11. AK – Alarm Controls

Hardware Sets

Set: 1.0

Doors: 2
Description: Existing add 2N station

1	Balance of hardware	Existing to remain		OT
1	2N Station	2N Station		OT

Set: 2.0

Doors: 14
Description: Existing add SN200 PSB exit, loop, 462 stop

1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804 PSB	US32D	SA
1	Door Stop	462	US2C	RO
1	Door Loop	DL-2		AK
1	Balance of hardware	Existing to remain		OT

Set: 3.0

Doors: 1
Description: Existing add SN200 exit, 8810, loop, 462 stops

1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804	US32D	SA
1	Rim Exit Device, Exit Only	LD 19 TB 43 8810 EO	US32D	SA
2	Door Stop	462	US2C	RO
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
2	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Set: 4.0

Doors: 3
Description: Existing add SN200 and 8810 exits, 462 stops

1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804	US32D	SA
1	Rim Exit Device, Exit Only	LD 19 TB 43 8810 EO	US32D	SA
2	Door Stop	462	US2C	RO
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
2	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU
1	Balance of hardware	Existing to remain		OT

Set: 5.0

Doors: 23

Description: Existing exit pair

1	Rim Exit Device, Exit Only	LD 19 TB 43 8810 EO	US32D	SA
1	Rim Exit Device, Storeroom	LD 19 TB 43 70 8804 Less Pull	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
2	Door Stop	462	US2C	RO
1	Balance of hardware	Existing to remain		OT

Set: 6.0

Doors: 11, 5

Description: Existing add 8804 and 8810 exits, 2891, 462 stops

1	Rim Exit Device, Exit Only	LD 19 TB 43 8810 EO	US32D	SA
1	Rim Exit Device, Storeroom	LD 19 TB 43 70 8804 Less Pull	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
2	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Balance of hardware	Existing to remain		OT

Set: 7.0

Doors: 10, 6, 7, 8, 9

Description: **Sgl - ExT -HM - Exit- SN200 - Closer /Stop- Access Control

1	Continuous Hinge	CFM HD1 x Dr. Ht.		PE
1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804 PSB	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Closer	TB 351 O/P9 (type as required)	EN	SA
1	Armor Plate	K1050 36" CSK BEV	US32D	RO
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Rain Guard	346C x Frame Width		PE
1	Sweep	345ANB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU
2	Viewer	622	CRM	RO

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times. Install armor plate on interior of door.

Set: 8.0

Doors: 4

Description: Existing add PSB exit, 2891, 462 stop

1	Rim Exit Device, Storeroom	LD 19 43 56 70 8804 PSB	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Balance of hardware	Existing to remain		OT

Set: 9.0

Doors: 16

Description: **Pr - ExT -HM - Exit- SN200 - Closer /Stop- Access Control

2	Continuous Hinge	CFM HD1 x Dr. Ht.		PE
1	Mullion	KR822 (FLK as req)	600	PR
1	Mullion Lock	98-2520		SA
1	Stabilizer	ST989	Dull Black	PR
1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804 PSB	US32D	SA
1	Rim Exit Device, Dummy	LD 19 43 8810 PSB	US32D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
2	Door Closer	TB 351 O/P9 (type as required)	EN	SA
2	Armor Plate	K1050 36" CSK BEV	US32D	RO
2	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Rain Guard	346C x Frame Width		PE
2	Sweep	345ANB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
1	ElectroLynx Harness	QC-C1500P		MK
1	ElectroLynx Harness	QC-C***P (length as req'd)		MK
1	Door Loop	DL-2		AK
1	Door Position Switch	By Security.		OT
1	Power Supply	Provided by security		SU

Notes: Doors are normally closed and secure. Presentation of valid credential will allow entry by pull. Upon loss of power, doors will remain secure. Free egress at all times.

Set: 10.0

Doors: 19

Description: Existing add 56 8804 exit, 2N station, loop, 2891, 462 stops

1	Rim Exit 2N SPAR04867/NC-E11	LD 19 TB 43 56 70 8804 ETL	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Parallel Hold Open Arm	25-PSH	EN	SA
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Door Loop	DL-2		AK
2	Viewer	622	CRM	RO
1	Balance of hardware	Existing to remain		OT
1	2N Station	2N Station		OT

Set: 10.1

Doors: 20

Description: Existing add 56 8804 exit, 2N station, loop, 2891, 462 stops

1	Rim Exit 2N SPAR04867/NC-E11	LD 19 TB 43 56 70 8804 ETL	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Door Loop	DL-2		AK
2	Viewer	622	CRM	RO
1	Balance of hardware	Existing to remain		OT
1	2N Station	2N Station		OT

Set: 11.0

Doors: 12, 13

Description: Existing SN200 PSB exit, 2891, loop, 462 stops

1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804 PSB	US32D	SA
2	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Door Loop	DL-2		AK
2	Viewer	622	CRM	RO
1	Balance of hardware	Existing to remain		OT

Set: 12.0

Doors: 17
Description: Existing SN200 and 8810 PSB exits, 2891, 462 stops

1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804 PSB	US32D	SA
1	Rim Exit Device, Dummy	LD 19 43 8810 PSB	US32D	SA
2	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
2	Viewer	622	CRM	RO
1	Balance of hardware	Existing to remain		OT

Set: 13.0

Doors: 24, 25, 26, 27, 28, 29
Description: Existing add SN200 PSB exit, ept, 462 stop

1	Electric Power Transfer	EL-CEPT	630	SU
1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804 PSB	US32D	SA
1	Door Stop	462	US2C	RO
1	Balance of hardware	Existing to remain		OT

Set: 14.0

Doors: 400.3
Description: Existing add SN200 reader

1	SN200 Reader	52 6027 (Exit / Lock)	26D	SA
1	Balance of hardware	Existing to remain		OT

Notes: reader for 400.3 to be installed on corridor side. Field verify if existing SN200 reader can be reused or not.

Set: 15.0

Doors: 114
Description: Existing add 8816 exit

1	Rim Exit STC Sec CR x SPAR#NC-E11	LD 19 31 43 49 70 8816 ETL	US32D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Balance of hardware	Existing to remain		OT

Set: 16.0

Doors: 114.1, 114.2
Description: Existing 8816 and 8804 exits, 481H stops

1	Rim Exit SPAR NC-E11	LD 19 TB 43 70 8804 ETL	US32D	SA
1	Rim Exit Device	LD 19 TB 43 49 70 8816 ETL	US32D	SA
3	Interchangeable Core	I/CK-7	626	BE
3	Const. Core	7190224	Green	BE
2	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 17.0

Doors: 500, 520, 520.1, 530
Description: Existing add 462 stop

1	Door Stop	462	US2C	RO
1	Balance of hardware	Existing to remain		OT

Set: 18.0

Doors: 600.1, 600.2, 601
Description: Existing add 8816 and 8804, 351 PS, 481H

1	Rim Exit Sec CR x SPAR#NC-E11	19 LD 43 49 70 8816 ETL	US32D	SA
1	Rim Exit SPAR NC-E11	LD 19 TB 43 70 8804 ETL	US32D	SA
3	Interchangeable Core	I/CK-7	626	BE
3	Const. Core	7190224	Green	BE
2	Surface Closer	TB 351 PS	EN	SA
2	Door Stop	481H	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 19.0

Doors: 605, 608, 615
Description: Existing add 8816 exit, 351 PSH

1	Rim Exit Device	LD 19 TB 43 49 70 8816 ETL	US32D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Surface Closer	TB 351 PSH	EN	SA
1	Balance of hardware	Existing to remain		OT

Set: 20.0

Doors: 107, 128, 212, 224, 232, 236, 400.4, 421, 424
Description: Existing add 8205

1	Office/Entry Lock	70 8205 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Balance of hardware	Existing to remain		OT

Set: 21.0

Doors: 124
Description: Existing add 351PSH

1	Surface Closer	TB 351 PSH	EN	SA
1	Balance of hardware	Existing to remain		OT

Set: 22.0

Doors: 301A, 317A, 531A
Description: New storage

4	Hinge, Full Mortise	TA2714	US26D	MK
1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Closer	TB 351 O/P9 (type as required)	EN	SA
1	Door Stop	462	US2C	RO
3	Silencer	608		RO

Set: 22.1

Doors: 406A
Description: Existing storage

1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Balance of hardware	Existing to remain		OT

Set: 23.0

Doors: 316

Description: New classroom

4	Hinge, Full Mortise	TA2714	US26D	MK
1	Classroom Lock	70 8237 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Regular Hold Open Arm	25-H	EN	SA
1	Door Closer	TB 351 O/P9 (type as required)	EN	SA
1	Door Stop	462	US2C	RO
3	Silencer	608		RO

Set: 24.0

Doors: 401, 403, 404, 405, 406, 407.1, 407.2, 407.3, 408.1, 408.2, 409, 410, 411.1, 412, 413, 414, 415, 416, 417, 418

Description: New office

4	Hinge, Full Mortise	TA2714	US26D	MK
1	Office/Entry Lock	70 8205 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasketing	S88BL		PE

Set: 24.1

Doors: 314, 317, 533

Description: New classroom lock

4	Hinge, Full Mortise	TA2714	US26D	MK
1	Classroom Lock	70 8237 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasketing	S88BL		PE

Set: 24.2

Doors: 532

Description: New classroom lock

3	Hinge, Full Mortise	TA2714	US26D	MK
1	Classroom Lock	70 8237 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasketing	S88BL		PE

Set: 25.0

Doors: MISC

Description: **Attic Stock - EVERY CAMPUS

5	Mullion Lock	98-2520		SA
5	Mullion Lock	98-2518		SA
5	Classroom Security Intruder Lock Body	8238	US26D	SA
5	130KB	Thumbturn Kit	26D	SA
50	Interchangeable Core	I/CK-7	626	BE
50	Key Blanks	Best "A" Keyway		BE
12	Regular Hold Open Arm	25-H	EN	SA
12	Parallel Hold Open Arm	25-PSH	EN	SA
4	SN200 Reader	52 6027 (Exit / Lock)	26D	SA

Notes: All attic stock ships direct to
Director of Technical Services
Cy Fair ISD Lockshop
11430 Perry Road
Houston, Texas 77064
All attic stock to ship directly to Cy Fair.
DO NOT ship to jobsite.

SECTION 08 71 02

DOOR HARDWARE – TRUITT MIDDLE SCHOOL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes commercial door hardware for the following:

1. Swinging doors.
2. Other doors to the extent indicated.

B. Door hardware includes, but is not necessarily limited to, the following:

1. Mechanical door hardware.
2. Electromechanical door hardware.
3. Cylinders specified for doors in other sections.

C. Related Sections:

1. Division 08 Section “Door Hardware Schedule”.
2. Division 08 Section “Hollow Metal Doors and Frames”.
3. Division 08 Section “Interior Aluminum Doors and Frames”.
4. Division 08 Section “Plastic Laminate Faced Wood Doors”.

D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.

1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
2. ICC/IBC - International Building Code.
3. NFPA 70 - National Electrical Code.
4. NFPA 80 - Fire Doors and Windows.
5. NFPA 101 - Life Safety Code.
6. NFPA 105 - Installation of Smoke Door Assemblies.
7. State Building Codes, Local Amendments.

E. Standards: All hardware specified herein shall comply with the following industry standards:

1. ANSI/BHMA Certified Product Standards - A156 Series
2. UL10C – Positive Pressure Fire Tests of Door Assemblies

1.3 SUBMITTALS

A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.

B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."

2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.

3. Content: Include the following information:

    a. Type, style, function, size, label, hand, and finish of each door hardware item.
    b. Manufacturer of each item.
    c. Fastenings and other pertinent information.
    d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
    e. Explanation of abbreviations, symbols, and codes contained in schedule.
    f. Mounting locations for door hardware.
    g. Door and frame sizes and materials.
    h. Warranty information for each product.

4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.

C. Shop Drawings: Details of electrified access control hardware indicating the following:

1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:

    a. Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
    b. Complete (risers, point-to-point) access control system block wiring diagrams.
    c. Wiring instructions for each electronic component scheduled herein.

2. Electrical Coordination: Coordinate with related sections the voltages and wiring details required at electrically controlled and operated hardware openings.

D. Proof of Certification: Provide copy of manufacturer(s) official certification or accreditation document indicating proof of status as a qualified installer of Windstorm assemblies.

E. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.

F. Informational Submittals:

1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.

G. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Submittals.

1.4 QUALITY ASSURANCE

A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.

B. Installer Qualifications: A minimum 3 years documented experience hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.

C. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.

D. Integrated Wiegand, Wireless, and IP-Enabled Access Control Products Supplier Qualifications: Integrated access control products and accessories are required to be supplied and installed through current members of the ASSA ABLOY "Authorized Channel Partner" (ACP) and "Certified Integrator" (CI) programs. Suppliers are to be factory trained, certified prior to project bid, and a direct purchaser of the specified product. Installers are to be factory trained, certified prior to project bid, and are responsible for commissioning, servicing, and warranting the installed equipment specified for the project.

E. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.

1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
2. Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated

F. Each unit to bear third party permanent label demonstrating compliance with the referenced standards.

G. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:

1. Function of building, purpose of each area and degree of security required.
2. Plans for existing and future key system expansion.
3. Requirements for key control storage and software.
4. Installation of permanent keys, cylinder cores and software.
5. Address and requirements for delivery of keys.

H. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.

1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
3. Review sequence of operation narratives for each unique access controlled opening.
4. Review and finalize construction schedule and verify availability of materials.
5. Review the required inspecting, testing, commissioning, and demonstration procedures

I. At completion of installation, provide written documentation that components were applied to manufacturer's instructions and recommendations and according to approved schedule.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site.

B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.

C. Deliver, as applicable, permanent keys, cylinders, cores and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.6 COORDINATION

A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.

B. Door Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.

C. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.7 WARRANTY

A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:

1. Structural failures including excessive deflection, cracking, or breakage.
2. Faulty operation of the hardware.
3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
4. Electrical component defects and failures within the systems operation.

C. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.

D. Special Warranty Periods:

1. Lifetime for mortise locks and latches.
2. Five years for exit hardware.
3. Ten years for electric latch retraction exit motors
4. Twenty-five years for manual surface door closer bodies.
5. Two years for electromechanical door hardware.
6. Lifetime for SN200 readers.

1.8 MAINTENANCE SERVICE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

1.9 OWNER STOCK – See Attic Stock at the end of Hardware Schedule.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.

B. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows:

C. Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.

D. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

2.2 HANGING DEVICES

A. Hinges: ANSI/BHMA A156.1 certified butt hinges with number of hinge knuckles as specified in the Door Hardware Sets.

1. Quantity: Provide the following hinge quantity, unless otherwise indicated:

a. Two Hinges: For doors with heights up to 60 inches.
b. Three Hinges: For doors with heights 61 to 90 inches.
c. Four Hinges: For doors with heights 91 to 120 inches.
d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.

2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:

a. Widths up to 3’0”: 4-1/2” standard or heavy weight as specified.
b. Sizes from 3’1” to 4’0”: 5” standard or heavy weight as specified.

3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:

a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.

4. Hinge Options: Comply with the following where indicated in the Hardware Sets or on Drawings:

a. Non-removable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the all out-swinging lockable doors.

5. Acceptable Manufacturers:

a. Hager Companies (HA).
b. McKinney Products (MK).
c. Stanley Hardware (ST).

B. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 certified continuous geared hinge. with minimum 0.120-inch thick extruded 6060 T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Factory trim hinges to suit door height and prepare for electrical cut-outs.

1. Acceptable Manufacturers:

a. McKinney Products (MK).
b. Pemko Manufacturing (PE).
c. Stanley Hardware (ST).

2.3 POWER TRANSFER DEVICES

A. Concealed Quick Connect Electric Power Transfers: Provide concealed wiring pathway housing mortised into the door and frame for low voltage electrified door hardware. Furnish with Molex™ standardized plug connectors and sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.

1. Acceptable Manufacturers:

    a. Pemko Manufacturing (PE) – EL-CEPT Series.
    b. Securitron (SU) - EL-CEPT Series.
    c. Stanley Hardware (ST) EPT-12C Series.

B. Electric Door Wire Harnesses: Provide electric/data transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number and type of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two per electrified opening.

1. Provide one each of the following tools as part of the base bid contract:
    a. McKinney Products (MK) - Electrical Connecting Kit: QC-R001.
    b. McKinney Products (MK) - Connector Hand Tool: QC-R003.

2.4 DOOR OPERATING TRIM

A. Flush Bolts and Surface Bolts: ANSI/BHMA A156.3 and A156.16, Grade 1, certified.

1. Manual flush bolts to be furnished with top rod of sufficient length to allow bolt location approximately six feet from the floor.
2. Furnish dust proof strikes for bottom bolts.
3. Surface bolts to be minimum 8” in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable.
4. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.

5. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

B. Door Push Plates and Pulls: ANS/BHMA A156.6 certified door pushes and pulls of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.

1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.
3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated.
4. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.

5. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

2.5 CYLINDERS AND KEYING

A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.

B. Source Limitations: Obtain each type of keyed cylinder and keys from the same source manufacturer as locksets and exit devices, unless otherwise indicated.

1. Acceptable Manufacturers:

    a. Stanley Best (BE).
    b. Sargent Cylinder Housings
    c. No Substitution.

C. Cylinders: Original manufacturer cylinders complying with the following:

1. Mortise Type: Threaded cylinders with rings and cams to suit hardware application.
2. Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
3. Bored-Lock Type: Cylinders with tailpieces to suit locks.
4. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
5. Keyway: Match Facility Standard.

D. Keying System: Each type of lock and cylinders to be factory keyed.

1. Conduct specified "Keying Conference" to define and document keying system instructions and requirements.
2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
3. Existing System: Key locks to Owner's existing system.

E. Key Quantity: Provide the following minimum number of keys:

1. Change Keys per Cylinder: Two (2)
2. Twenty construction cores
3. 50 Key Blanks – Best “A” Keyway

F. Construction Keying: Provide temporary keyed construction cores. Green Best Cores No Substitution . All Best temporary cores to be returned to the district at the end of the project.

G. Key Registration List (Bitting List):

1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
2. Provide transcript list in writing or electronic file as directed by the Owner.

H. Key Control Cabinet: Provide a key control system including envelopes, labels, and tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet. Key control cabinet shall have expansion capacity of 150% of the number of locks required for the project. Provide a new cabinet to all new construction projects. Use Lund 1205-B as a basis of design.

1. Acceptable Manufacturers:

a. Lund Equipment (LU).
b. MMF Industries (MM).
c. Telkee (TK).

2.6 MECHANICAL LOCKS AND LATCHING DEVICES

A. Mortise Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.13. Locksets are to be manufactured with a corrosion resistant steel case and be field-reversible for handing without disassembly of the lock body.

1. Acceptable Manufacturers

a. Sargent Manufacturing (SA) 8200 Series – No substitutions
b. Sargent Manufacturing (SA) 10X Series - No substitutions
1) Use at student restrooms or as directed by Cy Fair ISD

2.7 AUXILIARY LOCKS

A. Tubular Deadlocks: Deadlocks to be products of the same source manufacturer and keyway as other specified locksets.

1. Acceptable Manufacturers:

a. Marks (MX) - 130 Series.
b. Sargent Manufacturing (SA) – 480 Series.

2.8 LOCK AND LATCH STRIKES

A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:

1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
2. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.

B. Standards: Comply with the following:

1. Strikes for Mortise Locks and Latches: BHMA A156.13.
2. Strikes for Auxiliary Deadlocks: BHMA A156.5.
3. Dustproof Strikes: BHMA A156.16.

2.9 CONVENTIONAL EXIT DEVICES

A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:

1. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.

2. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer’s catalog and template book for specific requirements.

3. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.

4. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.

5. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.

    a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
    b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.

6. Rail Sizing: Provide exit device rails factory sized for proper door width application.

7. Through Bolt Installation: For exit devices and trim as indicated (TB) in Door Hardware Sets.

8. Provide Less Dogging (LD) at all exit devices.

9. Add 31- Prefix to all exit devices being provided at two inch aluminum doors.

10. No self-tapping screws allowed.

B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 certified panic and fire exit hardware devices furnished in the functions specified in the Hardware Sets. Exit device latch to be stainless steel, pullman type, with deadlock feature.

1. Acceptable Manufacturers:

    a. Sargent Manufacturing (SA) - 80 Series.
    b. No Substitution.

C. Tube Steel Removable Mullions: ANSI/BHMA A156.3 removable steel mullions with malleable-iron top and bottom retainers and a primed paint finish.

1. Provide keyed removable feature where specified in the Hardware Sets.

2. Provide stabilizers and mounting brackets as required.

3. Provide electrical quick connection wiring options as specified in the hardware sets.

4. Acceptable Manufacturers:

    a. Stanley Precision (PR) - 822 Series.
    b. No Substitution.

2.10 INTEGRATED WIEGAND OUTPUT ACCESS CONTROL EXIT DEVICES

A. Wiegand Output Integrated Card Reader Exit Hardware: Wiegand output ANSI 156.3 Grade 1 rim, mortise, and vertical rod exit device hardware with integrated proximity card reader, latchbolt and touchbar monitoring, and request-to-exit signaling, in one complete unit. Hard wired, solenoid driven locking/unlocking control of the lever handle exit trim with 3/4" throw latch bolt. U.L listed and labeled for either panic or "fire exit hardware" for use on up to 3 hour fire rated openings. Available with or without keyed high security cylinder override.

1. Open architecture, hard wired platform supports centralized control of locking units with new or existing Wiegand compatible access control systems. Inside push bar (request-to-exit) signaling and door position (open/closed status) monitoring (via separately connected DPS).
2. Reader supports either HID 125 kHz proximity (up to 39 bits, including Corporate 1000) or 13.56 MHz (2K-32K) iClass® credentials.
3. 12VDC external power supply required for reader, with optional 24VDC operation available with iClass® reader (125 kHz reader is always 12VDC). 24VDC required for solenoid operated exit trim (12VDC if applicable). Fail safe or fail secure options.
4. Installation requires only one cable run from the exit hardware to the access control panel without requirements for additional proprietary lock panel interface boards or modules.

5. Acceptable Manufacturers:

    a. Sargent Manufacturing (SA) - SN – 56-SN20080 Series Exits. x SPAR04867
    b. Sargent Manufacturing (SA) - SN – SN2008200 Series Locks.
    c. No Substitution.

2.11 DOOR CLOSERS

A. All door closers specified herein shall meet or exceed the following criteria:

1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers including installation and adjusting information on inside of cover.

2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.

3. Cycle Testing: Provide closers which have surpassed 15 million cycles in a test witnessed and verified by UL.

4. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the physically handicapped, provide units complying with ANSI ICC/A117.1.

5. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.

6. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.

7. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates, and through-bolt and security type fasteners as required for proper installation.

8. Through Bolt Installation: All door closers are to be installed with (TB) through bolting as indicated in Door Hardware Sets.

9. No self-tapping screws allowed.

B. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.

1. Acceptable Manufacturers:

a. Sargent Manufacturing (SA) – TB 351 Series.

2.12 SURFACE MOUNTED CLOSER HOLDERS

A. Electromagnetic Door Holders: Certified ANSI A156.15 electromagnetic door holder/releases with a minimum 20 to 40 pounds holding power and single coil construction able to accommodate.12VDC, 24VAC, 24VDC and 120VAC. Coils to be independently wound, employing an integral fuse and armatures to include a positive release button.

1. Acceptable Manufacturers:

a. LCN Door Closers (LC) - SEM7800 Series.
b. Rixson (RF) - 980/990 Series.
c. Sargent Manufacturing (SA) - 1560 Series.

2.13 ARCHITECTURAL TRIM

A. Door Protective Trim

1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.

2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1” LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.

3. Protection Plates: ANSI/BHMA A156.6 certified protection plates (kick, armor, or mop), fabricated from the following:

a. Stainless Steel: 300 grade, 050-inch thick.

4. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.

5. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

2.14 DOOR STOPS AND HOLDERS

A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.

B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 certified door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.

1. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

C. Overhead Door Stops and Holders: ANSI/BHMA A156.6, Grade 1 certified overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.

1. Acceptable Manufacturers:

    a. Do not use overhead stops/holders

2.15 ARCHITECTURAL SEALS

A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.

B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.

1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.

C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.

1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and UBC 7-2, Fire Tests of Door Assemblies.

D. No Replaceable Seal Strips allowed: Provide only those units where they can be screw applied..

E. Acceptable Manufacturers:

1. National Guard Products (NG).

2. Pemko Manufacturing (PE).
3. Reese Enterprises, Inc. (RE).

2.16 ELECTRONIC ACCESSORIES

A. Door Position Switches: Door position magnetic reed contact switches specifically designed for use in commercial door applications. On recessed models the contact and magnetic housing snap-lock into a 1" diameter hole. Surface mounted models include wide gap distance design complete with armored flex cabling. Provide SPDT, N/O switches with optional Rare Earth Magnet installation on steel doors with flush top channels.

1. Acceptable Manufacturers:

a. Provided by Security

B. Switching Power Supplies: Provide UL listed or recognized filtered and regulated power supplies. Provide single, dual, or multi-voltage units as shown in the hardware sets. Units must be expandable up to eight Class 2 power limited outputs. Units must include the capability to incorporate a battery backup option with integral battery charging capability in addition to operating the DC load in event of line voltage failure. Provide the least number of units, at the appropriate amperage level, sufficient to exceed the required total draw for the specified electrified hardware and access control equipment.

1. Acceptable Manufacturers:

a. Provided by Security

2.17 FABRICATION

A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.18 FINISHES

A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.

B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware.

C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.

B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.

B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.

1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.

B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:

1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
2. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.

C. Integrated Wiegand access control products are required to be installed through current members of the ASSA ABLOY "Certified Integrator" (CI) program.

D. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

E. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."

F. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

G. No self-tapping screws allowed.

3.4 FIELD QUALITY CONTROL

A. Field Inspection: Supplier will perform a final inspection of installed door hardware and state in report whether work complies with or deviates from requirements, including whether door hardware is properly installed, operating and adjusted.

3.5 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

B. Final Adjustment: Installer shall return and make final adjustment of all hardware once all air conditioning test and balance is complete. Final adjustment shall be made while air conditioner system is operating. Coordinate with General Contractor and Owner.

3.6 CLEANING AND PROTECTION

A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.

B. Clean adjacent surfaces soiled by door hardware installation.

C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.7 DEMONSTRATION

A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.8 DOOR HARDWARE SETS

The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

Manufacturer Abbreviations

1. MK - McKinney
2. PE - Pemko
3. SA - SARGENT
4. BE - BEST Locks & Closers
5. RO - Rockwood
6. AK - Alarm Controls
7. OT - Other

Hardware Sets

Set: 1.0

Doors: 18
Description: Sgle - exterior SN200 exit

1	Continuous Hinge	CFM HD1 x Dr. Ht.		PE
1	Rim Exit Device, Storeroom	LD 19 TB 43 56 70 SN200 8804 826	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Closer	TB 351 O/P9 (type as required)	EN	SA
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Rain Guard	346C x Frame Width		PE
1	Sweep	345ANB x Dr. Width		PE
1	Threshold	2005AT MSES25SS X Opening Width		PE
1	Door Loop	DL-2		AK
2	Viewer	622	CRM	RO

Set: 2.0

Doors: 2
Description: Existing add 2N station

1	Balance of hardware	Existing to remain		OT
1	2N Station	2N Station		OT

Set: 3.0

Doors: 5
Description: Existing add 8804 exit, 2891, 262 stop

1	Rim Exit Device, Storeroom	LD 19 TB 43 70 8804	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Balance of hardware	Existing to remain		OT

Set: 4.0

Doors: 17, 6

Description: Existing add SN200 8504 and 8510, mullion, 462 stops

1	Mullion	L980A	US28	SA
1	Rim Exit Device, Storeroom	LD 19 TB 43 56 70 SN200 8504	US32D	SA
1	Rim Exit Device, Exit Only	LD 19 TB 43 8510 EO	US32D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Door Loop	DL-2		AK
1	Balance of hardware	Existing to remain		OT

Notes: modify strike to work with exit.

Set: 5.0

Doors: 19

Description: Existing add 2N station, 2891, 462 stop

1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Balance of hardware	Existing to remain		OT
1	2N Station	2N Station		OT

Set: 6.0

Doors: 20

Description: Existing add 2N station, 56-8804 exit, 2891, 462 stop

1	Rim Exit Device, Storeroom	LD 19 TB 43 56 70 8804	US32D	SA
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Balance of hardware	Existing to remain		OT
1	2N Station	2N Station		OT

Set: 7.0

Doors: 24, 25, 26

Description: Existing add SN200 8500 exit, 462 stop

1	Rim Exit Device, Storeroom	LD 19 TB 43 56 70 SN200 8504	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Door Loop	DL-2		AK
1	Balance of hardware	Existing to remain		OT

Notes: Field verify that these existing doors have card readers.

Set: 7.1

Doors: 15, 16, 22, 23
Description: Existing add 8500 exit, 462 stop

1	Rim Exit Device, Storeroom	LD 19 TB 43 70 8504	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Balance of hardware	Existing to remain		OT

Set: 8.0

Doors: 1
Description: Existing add SN200 and 8810 exits, 462 stops

1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804	US32D	SA
1	Rim Exit Device, Exit Only	19 TB 43 8810 EO	US32D	SA
2	Door Stop	462	US2C	RO
1	Balance of hardware	Existing to remain		OT

Set: 9.0

Doors: 10, 11, 7, 8
Description: Existing SN200 exit, loop, 2891, 462 stops, anchor hinge

1	Anchor Hinge	TA392	US32D	MK
1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Door Loop	DL-2		AK
2	Viewer	622	CRM	RO
1	Balance of hardware	Existing to remain		OT

Set: 10.0

Doors: 13, 14
Description: Existing add SN200 exit, loop, 2891, 462 stops

1	Rim Exit x SPAR04867/NC-E11	19 LD TB 43 70 56-SN200-8804	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
2	Door Stop	462	US2C	RO
1	Gasketing	2891APK (head & jambs)		PE
1	Door Loop	DL-2		AK
4	Viewer	622	CRM	RO
1	Balance of hardware	Existing to remain		OT

Set: 11.0

Doors: 21.2

Description: Existing add 8500 exit only, mullion

1	Mullion Lock	98-2520		SA
1	Mullion	L980S	PC	SA
1	Rim Exit Device, Exit Only	LD 19 TB 43 8510 EO	US32D	SA
1	Balance of hardware	Existing to remain		OT

Set: 11.1

Doors: 21.1

Description: Existing add SN200 8500 exit, slider

1	Rim Exit Device, Storeroom	LD 19 TB 43 56 70 SN200 8504	US32D	SA
1	68-1375 8500	Mounting Rail Insert		SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Balance of hardware	Existing to remain		OT

Set: 12.0

Description: Existing add SN200 reader (NOT USED)

1	SN200 Reader	52 6027 (Exit / Lock)	26D	SA
1	Balance of hardware	Existing to remain		OT

Notes: reader for 400.3 to be installed on corridor side.

Set: 13.0

Doors: 27

Description: Existing add 462 stop

1	Door Stop	462	US2C	RO
1	Balance of hardware	Existing to remain		OT

Notes: Replace jamb reader with SN200 reader.

Set: 14.0

Doors: 130, 209, 220, 235, 401, 403, 409, 410, 421

Description: Existing add thumb turn

1	130KB	Thumbturn Kit	26D	SA
1	Balance of hardware	Existing to remain		OT

Set: 15.0

Doors: 420.1
Description: Existing add thumbturn kits, 491S

1	130KB	Thumbturn Kit	26D	SA
1	Door Stop & Holder	491S	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 16.0

Doors: 115.3, 115.4
Description: Existing add 704 exit trim

1	Exit Trim	70-704 ETL	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Balance of hardware	Existing to remain		OT

Set: 17.0

Doors: 105, 138, 207, 243
Description: Existing add brushed astragal

1	Astragal	354CP x Dr. Height		PE
1	Balance of hardware	Existing to remain		OT

Set: 18.0

Doors: 351, 613, 614, 623
Description: Existing add 491 stop

1	Door Stop & Holder	491-RKW	US26D	RO
1	Balance of hardware	Existing to remain		OT

Set: 19.0

Doors: 301
Description: New Classroom

4	Hinge, Full Mortise	TA2714	US26D	MK
1	Classroom Security Intruder Lock	V01 EMB 70 8238 VN1L 90-3/8" Collar	US26D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Door Closer	TB 351 O/P9 (type as required)	EN	SA
1	Door Stop	462	US2C	RO
3	Silencer	608		RO

Set: 20.0

Doors: 100, 101, 102, 104, 106, 111, 112, 114, 116, 117, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 134, 135, 136, 137, 140, 141, 142, 143, 144, 145, 200, 201, 202, 203, 204, 206, 208, 213, 214, 215, 216, 217, 218, 219, 224, 225, 226, 227, 228, 229, 231, 232, 233, 234, 239, 240, 241, 242, 244, 246, 247, 248, 249, 250, 254, 255, 310, 312

Description: Existing add 351 PS closer

1	Surface Closer	TB 351 PS	EN	SA
1	Balance of hardware	Existing to remain		OT

Set: 21.0

Doors: 316

Description: Existing add 351 PSH closer

1	Surface Closer	TB 351 PSH	EN	SA
1	Balance of hardware	Existing to remain		OT

Set: 22.0

Doors: 600, 600.1, 601

Description: Existing add 351 PSH and anchor hinge

2	Anchor Hinge	TA392	US32D	MK
2	Surface Closer	TB 351 PSH	EN	SA
1	Balance of hardware	Existing to remain		OT

Set: 23.0

Doors: 314.1

Description: Existing add 8238 and 351 PSH

1	Classroom Security Intruder Lock	V01 EMB 70 8238 VN1L 90-3/8" Collar	US26D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Surface Closer	TB 351 PSH	EN	SA
1	Balance of hardware	Existing to remain		OT

Set: 24.0

Doors: 301A, 303A, 331A, 512A

Description: New storage

4	Hinge, Full Mortise	TA2714	US26D	MK
1	Storeroom/Closet Lock	70 8204 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	481H	US26D	RO
3	Silencer	608		RO

Set: 25.0

Doors: 500, 520
Description: New classroom w/ gasketing

4	Hinge, Full Mortise	TA2714	US26D	MK
1	Classroom Security Intruder Lock	V01 EMB 70 8238 VN1L 90-3/8" Collar	US26D	SA
2	Interchangeable Core	I/CK-7	626	BE
2	Const. Core	7190224	Green	BE
1	Door Closer	TB 351 O/P9 (type as required)	EN	SA
1	Door Stop	462	US2C	RO
1	Gasketing	S88BL		PE

Set: 26.0

Doors: 512, 513
Description: New office

4	Hinge, Full Mortise	TA2714	US26D	MK
1	Classroom Lock	70 8237 LL	US26D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE
1	Door Stop	462	US2C	RO
1	Gasketing	S88BL		PE

Set: 27.0

Description: New overhead door (NOT USED)

1	Mortise Cylinder	as required	US32D	SA
1	Interchangeable Core	I/CK-7	626	BE
1	Const. Core	7190224	Green	BE

Notes: Hardware by overhead door manufacturer. Verify cylinder requirements, if any.

Set: 28.0

Description: **Attic Stock - EVERY CAMPUS

5	Mullion Lock	98-2520		SA
5	Mullion Lock	98-2518		SA
5	Classroom Security Intruder Lock Body	8238	US26D	SA
5	130KB	Thumbturn Kit	26D	SA
50	Interchangeable Core	I/CK-7	626	BE
50	Key Blanks	Best "A" Keyway		BE
12	Regular Hold Open Arm	25-H	EN	SA
12	Parallel Hold Open Arm	25-PSH	EN	SA
4	SN200 Reader	52 6027 (Exit / Lock)	26D	SA

Notes: All attic stock ships direct to
Director of Technical Services
Cy Fair ISD Lockshop
11430 Perry Road
Houston, Texas 77064
All attic stock to ship directly to Cy Fair.
DO NOT ship to jobsite.

SECTION 08 80 00

GLAZING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Glass and glazing accessories.

B. Related Sections:
1. Section 06 40 00 - Architectural Woodwork; display case glass, track, and hardware.
2. Section 07 92 00 - Joint Sealants
3. Section 08 11 00 - Hollow Metal Doors and Frames.
4. Section 08 14 23 - Plastic-laminate-faced Wood Doors.
5. Section 08 41 13 - Aluminum-framed Entrances and Storefronts.
6. Section 08 44 13 - Glazed Aluminum Curtain Walls.

1.2 PERFORMANCE REQUIREMENTS

A. Glass and glazing materials of this section shall provide continuity of building enclosure vapor and air barrier
1. In conjunction with materials described in SECTION 07 92 00 - JOINT SEALANTS.
2. Maintain continuous air and vapor barrier throughout glazed assembly from glass pane to heel bead of glazing sealant.

B. Design and size glass to withstand dead loads and live loads caused by pressure and suction of wind as calculated in accordance with building code, and measured in accordance with ASTM E 330.

C. Limit glass deflection to l/200 or flexure limit of glass with full recovery of glazing materials, whichever is less.

1.3 SUBMITTALS

A. Submit product data and samples under provisions of SECTION 01 33 23 - SHOP DRAWINGS, PRODUCT DATA AND SAMPLES.

B. Provide structural, physical and environmental characteristics, size limitations, special handling or installation requirements.

C. Provide data on glazing sealant. Identify colors available.

D. Samples:
1. Submit 2 samples of each type of glass (except clear glass), 12" x 12" in size, illustrating glass unit, coloration, design.
2. Submit 4" long bead of glazing sealant in color selected.

1.4 QUALITY ASSURANCE

A. Glazing Standards: Comply with recommendations of Glass Association of North America (GANA) "Glazing Manual."

B. Source Quality Control: Glass shall be identified by the manufacturer's labels of grade and quality. Temporary labels shall not be removed until final cleaning. Permanent labels on tempered glass shall not be removed.
1. Safety Glazing Labeling: Where safety glazing is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.
2. Insulating-Glass Certification Program: Permanently marked either on spacers or on at least one component lite of units with appropriate certification label of the IGCC.

C. Safety Glazing Standard: Where safety glass is indicated or required, provide type of products indicated which comply with ANSI Z97.1 and testing requirements of CPSC 16 CFR Part 1201 for Category II materials.

D. Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 252.

E. Fire-Rated Window Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 257.

F. Security Glazing Film (-FM)
   1. Manufacturer Qualifications: Security glazing film manufacturer specializing in manufacture of security glazing films with minimum 5 years successful experience with the exact product specified.
   2. Installer Qualifications: Direct employees of security glazing film manufacturer trained in all aspects of film installation.

G. Security Glazing Film (-FM) Field Mockup: Install security glazing film on one lite of glazing. Approved mockup will serve as standard for installation. Approved mockup may be included in finished Work.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Protect glass and glazing materials during delivery, storage, and handling as required to prevent edge damage to glass, and damage to glass and glazing materials from effects of moisture including condensation, or temperature changes, and other causes.

1.6 WARRANTY

A. Provide written 10-year warranty signed by manufacturer of insulating glass agreeing to furnish replacements for those insulating glass units developing manufacturing defects. Manufacturing defects are defined as failure of hermetic seal of air space (beyond that due to glass breakage) as evidenced by intrusion of dirt or moisture, internal condensation or fogging, and other visual indications of seal failure or performance.

B. Provide written 5-year warranty signed by manufacturer of spandrel glass agreeing to furnish replacements for those spandrel glass units developing defects of ceramic frit. Warranty covers deterioration due to normal conditions of use.

C. Provide written 10-year warranty signed by manufacturer of polycarbonate sheets against breakage, yellowing, hazing, abrasion resistance, loss of light transmission, and coating failure of polycarbonate sheets.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

A. Basis of Design products are Vitro Architectural Glass (PPG): Provide glass as manufactured by one of the following:
   AGC Glass North America
   Guardian Industries Corp.
   Technical Glass Products
   Oldcastle Building Envelope
   Pilkington North America, Inc. (NSG Group)
   Vitro Architectural Glass (formerly PPG Glass)

B. Basis of Design Tinted, Low-E glass: Confirm match of specified tinted Low-E glazing with existing tinted Low-E glazing to remain in place. Notify Architect of discrepancies before procuring glazing.

2.2 GLASS

A. (TT1) Tinted, Tempered, Insulating Low-E Glass: Manufacturer's standard 1" thick pre-assembled units consisting of 2 sheets of tempered glass, ASTM C 1048, enclosing a hermetically sealed dehydrated air space; with spacers, sealant, and without protective edge banding. Metal spacers shall be finished to match finish of aluminum storefronts.
   1. Interior Pane: Type I, Class 1 (Clear), Quality q3 (Glazing select), Kind FT - Fully Tempered, Condition A - Uncoated surfaces; 1/4” thickness.
   2. Air Space Thickness: 1/2".

3. Exterior Pane: Type I, Class 2 - Vitro Solargray tint (Tinted Heat-Absorbing and Light-Reducing), Quality q3 (Glazing select), Kind FT - Fully Tempered, Condition C - Other coated surfaces with low-emissivity Vitro Solarban 70 coating on second surface; 1/4" thickness.
4. Performance Characteristics: Low-E insulating glass shall comply with the following:
   a. Solar Heat Gain Coefficient: 0.19
   b. Winter U-value: 0.28.
   c. Visible Transmittance: 32%

B. (TT-IR) Tinted, Impact-Resistant, Insulated Low-E Glass Units: 1-inch thick pre-assembled units consisting of 2 sheets of glazing as specified, enclosing a hermetically sealed dehydrated air space; with spacers, sealant, and without protective edge banding. Metal spacers shall be finished to match finish of aluminum frame systems.
1. Exterior Pane: ASTM C 1048, Type I, Class 2 (Tinted Heat-Absorbing and Light-Reducing) - Vitro Architectural Glass (formerly PPG Industries, Glass Group): Solargray tint, Quality q3 (Glazing select), Kind FT - Fully Tempered, ¼-inch thick, Condition C (other coated surfaces).
   a. Low-E Coating: Vitro Architectural Glass (formerly PPG Industries, Glass Group): Solarban 70 low-emissivity (sputtered) coating on 2nd surface.
2. Air Space-thick: 3/8-inch.
3. Interior Pane: Impact-resistant laminated safety glazing with proprietary layup, clear, Condition A (uncoated surfaces), 3/8-inch thick; compliant with ASTM F1233 Level 1.3.
   a. Product: Global Security Glazing: Childgard Security Glazing SG4 attack resistant.
4. Performance Characteristics: Low-E insulating glass shall comply with the following:
   a. Visible Light Transmittance: 62%
   b. Winter U-value: 0.28
   c. Shading Coefficient: 0.31
   d. Solar Heat Gain Coefficient 0.27

C. (CT4) Clear, Tempered Glass: ASTM C 1048, Type I, Class 1 (Clear), Quality q3 (Glazing select). Kind FT - Fully Tempered, Condition A - Uncoated surfaces, 1/4" thickness.

D. (CI2) Clear, Impact-Resistant, Laminated Glass: Provide Laminated Glass, two panes of Class 1 (Clear) float glass (ASTM C 1036) of equal thickness, laminated together with not less than 0.09" thick polyvinyl butyl plastic interlayer to provide an overall thickness of 9/16" at interior vestibule. Fabricate laminated glass using laminator's standard heat- plus-pressure process to produce glass free from foreign substances and air/glass pockets.
1. 9/16" thick Monolithic Laminated Glass at Vestibule Interior Storefront:
   a. Interior Pane: Type I, Class 1 (Clear), Quality q3 (Glazing select), Kind FT - Fully Tempered, Condition A - Uncoated surfaces, 1/4" thick.
   b. Laminated inner layer of 0.09" thick clear polyvinyl butyl plastic manufactured by Solutia Saflex; Eastman Chemical Co. or Trosifol; Kuraray.
   c. Exterior Pane: Type I, Class 1 (Clear), Quality q3 (Glazing select), Kind FT - Fully Tempered, Condition A - Uncoated surfaces, 1/4" thick.

E. (CI3) Impact-Resistant, Laminated Clear Glass with proprietary layup at locations indicated, clear, Condition A (uncoated surfaces); 3/8-inch thick; compliant with ASTM F1233 Level 1.3.
1. Product: Global Security Glazing: Childgard Security Glazing.

F. (-F) Glazing Film Glass and plastic finishes field-applied application to glass or plastic material as visual opaque or decorative film.
1. Film: Polyester
2. Decorative Pattern: Printed, to be selected by Architect from manufacturer's complete range.
3. Adhesive: Acrylic, Pressure Sensitive, Permanent
4. Liner: Silicone-coated Polyester
5. Thickness (Average) (Film and Adhesive without Liner): 3.2 mils
6. Fire Performance: Surface burning characteristics when tested in accordance with ASTM E84: Class A
   a. Flame Spread: 25 maximum.
   b. Smoke Developed: 450 maximum

G. Clear Glass Mirrors, Unframed: ASTM C 1503, Mirror Select.
1. Nominal thickness 1/4". Backs shall have two coats of silver hermetically sealed, complying with GS-27, with an impervious protective coating of copper deposited over silver by electrolysis, and finished with a special composition hard, mirror-backing paint. Mirrors shall bear manufacturer's labels. Mirrors shall have ground and polished edges.
2. Mirror Back Safety Tape: ANSI Z97.1.

3. J-Molds: Provide stainless steel continuous "J" clip at bottom and “J” clips around perimeter of mirror to anchor mirror to wall (Approx. Size: 3/8" x 3/8").

H. (-FM) Security Glazing Film
1. Product: 23 Mil Film as manufactured by Armoured One LLC, Syracuse, NY; website: www.armouredone.com; phone: (315) 720-4186.
2. Security Glazing Film: Single thickness of 23 mil (0.023 inch) thick clear, UV stable, optically transparent, polyester film with pressure-sensitive adhesive backing for permanent bonding to glass.
   a. Installation of multiple layers of thinner film to accomplish the required thickness is not acceptable.
   b. Certification: F TD SA – Standard for Shooter Attack certification, Class 1 (tested on ¼” tempered glass).
   c. Surface Burning Characteristics: (ASTM E84): Flame spread index of 25 maximum, and smoke developed index of 450 maximum.
3. Anchoring System:
   a. Sealant: Dow 995 Structural Silicone or approved equivalent; color matched to frame.
   b. Mechanical anchoring system as recommended by film manufacturer.

2.3 GLAZING MATERIALS

A. Glazing Compound: Comply with ASTM C 1311 or FS TT-S-00230, one-part, non-sag acrylic polymeric sealant. Product/manufacturer; one of the following:
   Acryl-R Acrylic Sealant; Schnee-Moorehead, Inc.
   Mono 555; Tremco

B. Channel Glazing Strips; Hollow Metal Doors and Frames: Provide black vinyl channel glazing strips, Glazing Vinyl for 990 Sliders Part #6062-01 as manufactured by Kawneer.

C. Glazing Compound for Fire-Rated Glazing Materials:
1. Glazing Tape: Closed cell polyvinyl chloride (PVC) foam, coiled on release paper over adhesive on two sides, maximum water absorption by volume of 2 percent. Glass panels that exceed 1,393 sq.-inches for 90-minute ratings must be glazed with fire-rated glazing tape supplied by manufacturer.
2. Glazing Compound: DAP 33 putty.
3. Setting Blocks: Neoprene, EPDM,; tested for compatibility with glazing compound; of 70 to 90 Shore A hardness.
4. Cleaners, Primers, and Sealers: Type recommended by manufacturer of glass and gaskets.

D. Mirror Mastic: Combination of asphaltic bitumens, fibers and mineral spirits. Product/manufacturer; one of the following:
   Gunther Pro®; Gunther Mirror Mastics
   7HR4 Mirror Tac®; Pecora Corp.
   Mirro-Mastic; Palmer Products Corporation.

E. Accessories: Setting blocks, tape, vinyl gaskets and spacer strips as required for a complete installation.

PART 3 - EXECUTION

3.1 INSPECTION

A. Examine areas to receive glass for conditions that will adversely affect the execution and quality of work. Do not start this work until unsatisfactory conditions are corrected.
1. Confirm fit of specified glazing and glazing units into glazing pocket of existing-to-remain frames and new frames to receive new glazing. Notify Architect of unsatisfactory conditions.

3.2 INSTALLATION

A. Setting Glass: Glazing shall be done at the site by skilled glaziers in conformance with the general conditions governing glazing in the GANA Glazing Manual.
1. Glazing of aluminum windows and storefront shall be done in conformance with the methods recommended by the manufacturer of the aluminum items. Beads or stops furnished with the items to be glazed shall be used to secure the glass in place.
2. For interior hollow metal door and frame glazing, install channel glazing strips and place glass within glazing strips. Install the removable stop and position the channel glazing strip to seal completely the void around the glass.

3. Verify glass sizes for required edge clearances by measuring the openings. Cut each piece accurately and fit to its particular position. Center glass in the opening vertically and horizontally. Use edge blocks in vertical jambs to prevent lateral "walking" of the glass.
4. Glass shall have clean cut edges. Do not seam, nip, stone or strike edges, or scarf corners, and do not install glass with flared edges at the bottom. Do not bump, drag, or rest the edge of a glass light against metal or other hard objects.
5. Set tempered glass with tong marks completely concealed or in as inconspicuous a location as possible.

B. Application of Window Film:
1. Refer to the applicable 3M Installation Guide for specific application instructions.
2. Do not proceed with installation until all finishing work has been completed in and around the work area.
3. Comply with manufacturer's application instructions applicable to products and applications indicated, except where more stringent requirements apply.
4. Remove the film liner and wet the adhesive prior to installation.
5. Form smooth, wrinkle-free, bubble-free surface for finished installation.
6. Remove air bubbles, wrinkles, blisters and other defects. Use manufacturer-approved procedures to prevent the formation of air bubbles, wrinkles, blisters and other defects.
7. Residual water may cause small water bubbles or clouding in the film that will disappear as the water evaporates.

C. Application of Security Glazing Film (-FM):
1. General:
   a. Retrofit existing glazing assemblies to provide impact resistance and forced/attack resistance complying with FTD-SA-C1, ANSI Z97. I and CPSC 16 CFR 1201 Category II.
2. Examination
   a. Field-Applied Film: Examine glass and frames to ensure that existing conditions are acceptable for proper application and performance of security glazing film.
      1) Confirm that substrate to receive security glazing film is glass, and that glass is not cracked, chipped, broken, or damaged.
      2) Verify that frames are securely anchored and free of defects.
3. Preparation
   a. Clean glass of dust, dirt, paint, oil, grease, mildew, mold, and other contaminants that would inhibit adhesion.
   b. Immediately prior to applying security glazing film, thoroughly wash glass with neutral cleaning solution.
   c. Protect adjacent surfaces.
   d. Do not begin installation until substrates have been properly prepared.
   e. Commencement of application of security glazing film specified in this section constitutes acceptance of conditions and substrates to which security glazing film will be applied.
4. Installation
   a. Install in accordance with manufacturer's instructions, without air bubbles, wrinkles, streaks, bands, thin spots, pinholes, or gaps, as required to achieve specified performance.
   b. Seams. Seam film only as required to accommodate material sizes; seam without overlaps. Bring to the attention of the architect and owner prior to proceeding where seams are required.
   c. Apply bead of structural sealant overlapping 3/4 inch of the exposed edge of security glazing film and overlapping 3/4 inch of glazing system frame. Allow to cure.
   d. Install mechanical anchoring system where recommended by security glazing film manufacturer.
   e. Clean glass and excess structural sealants from finished surfaces
   f. Remove any labels or protective covers.
5. Film Verification
   a. Awarded contractor will be required to verify that installed security glazing film meets the requirements highlighted in this bid. By submitting a bid, Contractor understands that three pieces of glass, chosen at random will be removed and film applied will be measured to verify that film installed meets specifications as requested. Film may need to be removed as part of the verification process.

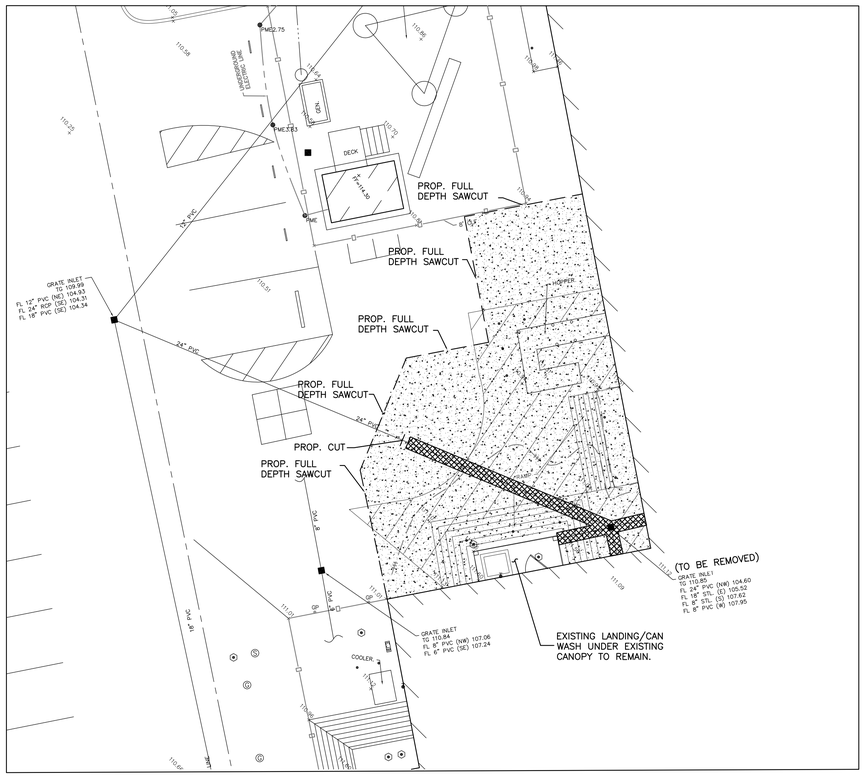
D. Glass Mirrors:
1. Apply one additional coat of moisture-resistant paint, type recommended by manufacturer, to back of mirror.
2. Allow to dry.
3. Apply safety tape to back of mirror in strips leaving 25% of surface free for application of mastic.
4. Apply mirror mastic to cover not more than 25% of back mirror, 1/8" to 1/2" thickness of setting bed.
5. Set mirror on concealed shelf angle.
6. Press mirror against substrate to bond.
7. Leave open ventilation space, 1/8" minimum between mirror and substrate.
8. Do not seal off ventilation space at edge of mirror.

3.3 CLEANING

A. Upon completion of glazing, clean glass on both sides and remove labels and other defacement. Replace damaged glass with new.

B. Applied Window Film:
   1. Use cleaning methods recommended by window film manufacturer for applicable environment.
   2. Protect completed glass finish during remainder of construction period.

END OF SECTION



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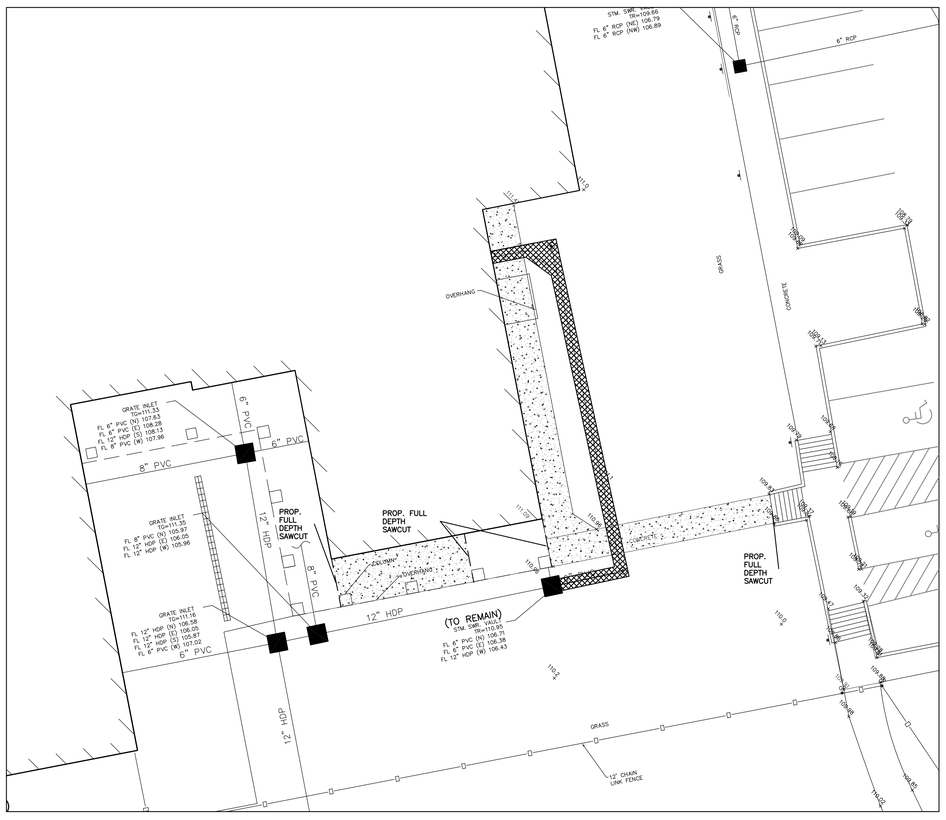

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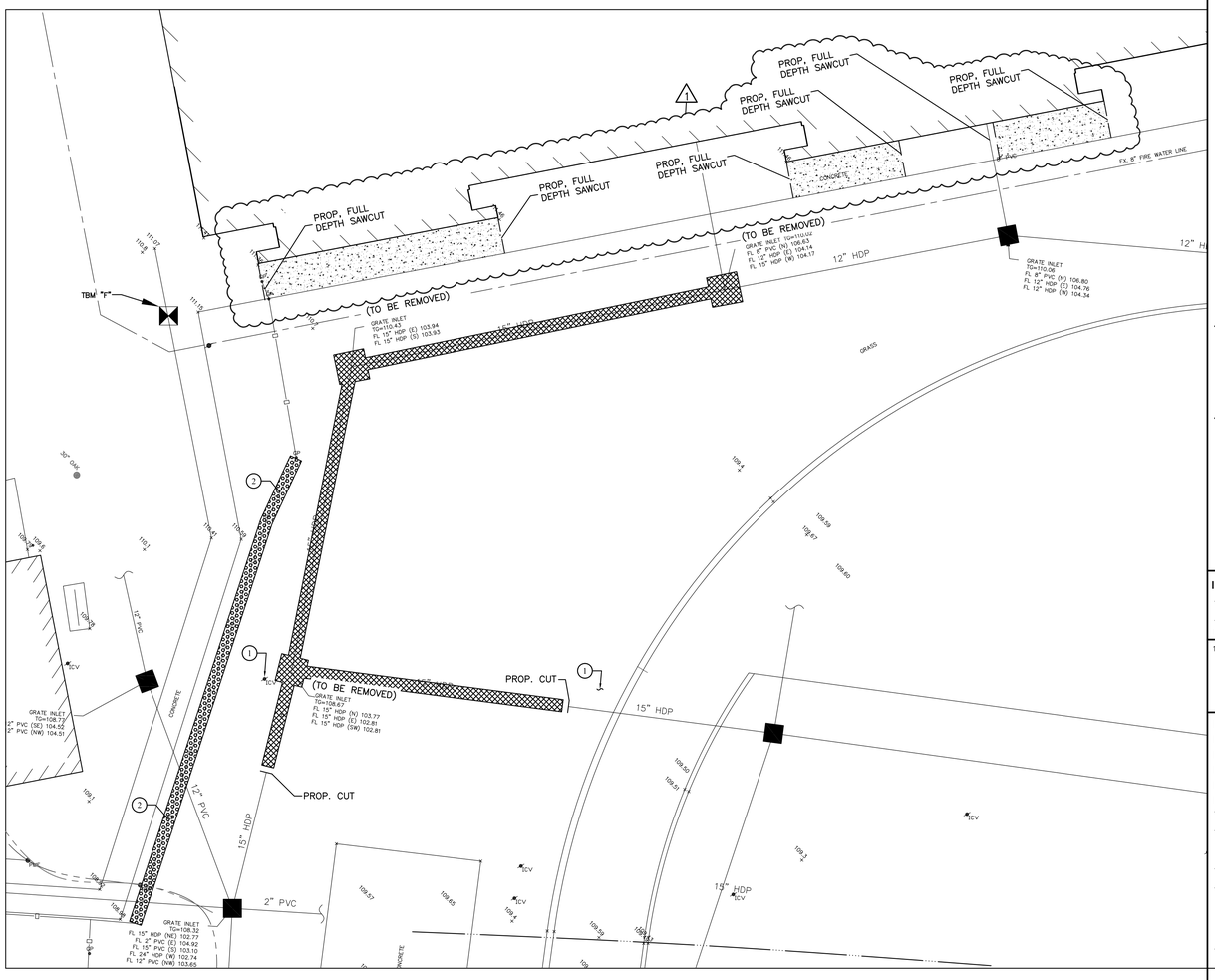
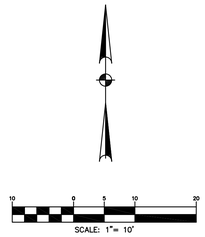


ATHLETIC STORAGE BUILDING ADDITION



LEGEND:

- PROP. FULL DEPTH SAWCUT
- EXISTING CONCRETE PAVEMENT, CURB, SIDEWALK AND SLAB TO BE REMOVED.
- EXISTING UTILITIES TO BE REMOVED.
- EXISTING MISCELLANEOUS EQUIPMENT/FENCING TO BE REMOVED.

KEY NOTES:

1. CONTRACTOR TO REFER TO IRRIGATION CONSULTANT PLANS FOR REMOVAL AND REPLACEMENT OF EXISTING IRRIGATION WATER LINES, HEADS, AND ASSOCIATED CONTROL WIRING.
2. EXISTING FENCE TO BE REMOVED. CONTRACTOR TO REFER TO ARCHITECTURAL PLANS FOR FENCE REPLACEMENT AND FENCE DETAILS

VLK|ARCHITECTS

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
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Katy, Texas 77449
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Issue for Proposal

BROOKS & SPARKS, INC.
F-880
STATE OF TEXAS
FRANK E. BROOKS
49225
REGISTERED
PROFESSIONAL ENGINEER
02/24/25

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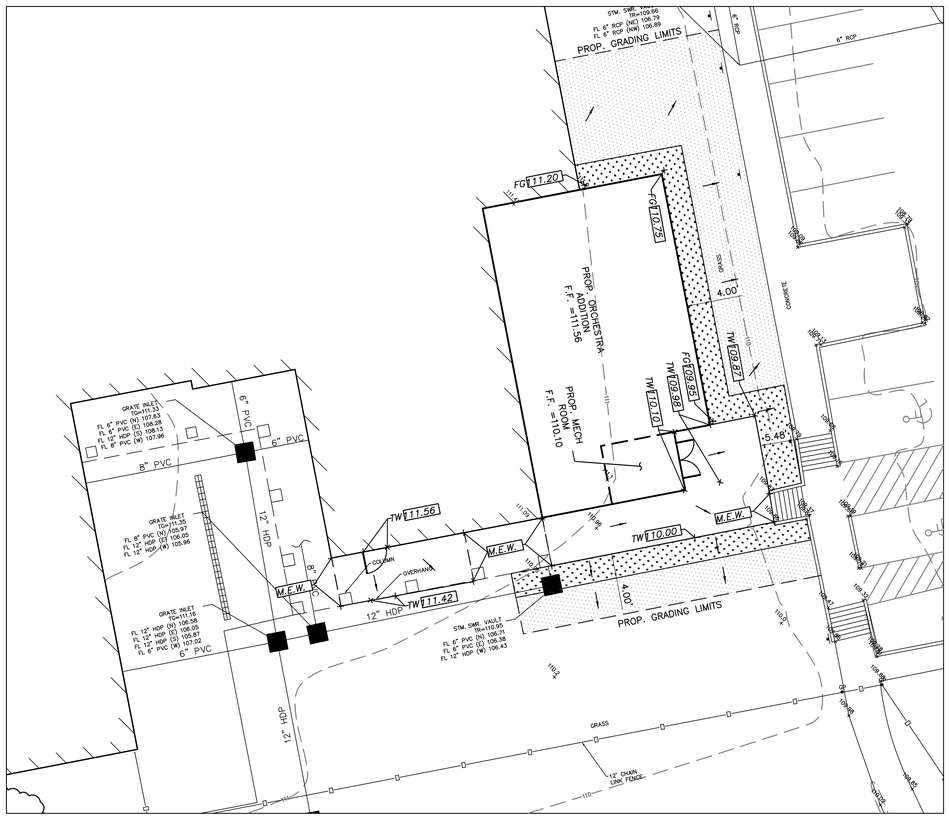
Director	Drawn By
DIR	
Designer	Quality Control
DSN	QC
Proj. Arch.	
PA	

2901.00

DEMOLITION PLAN

C11.03

SHOP ADDITION



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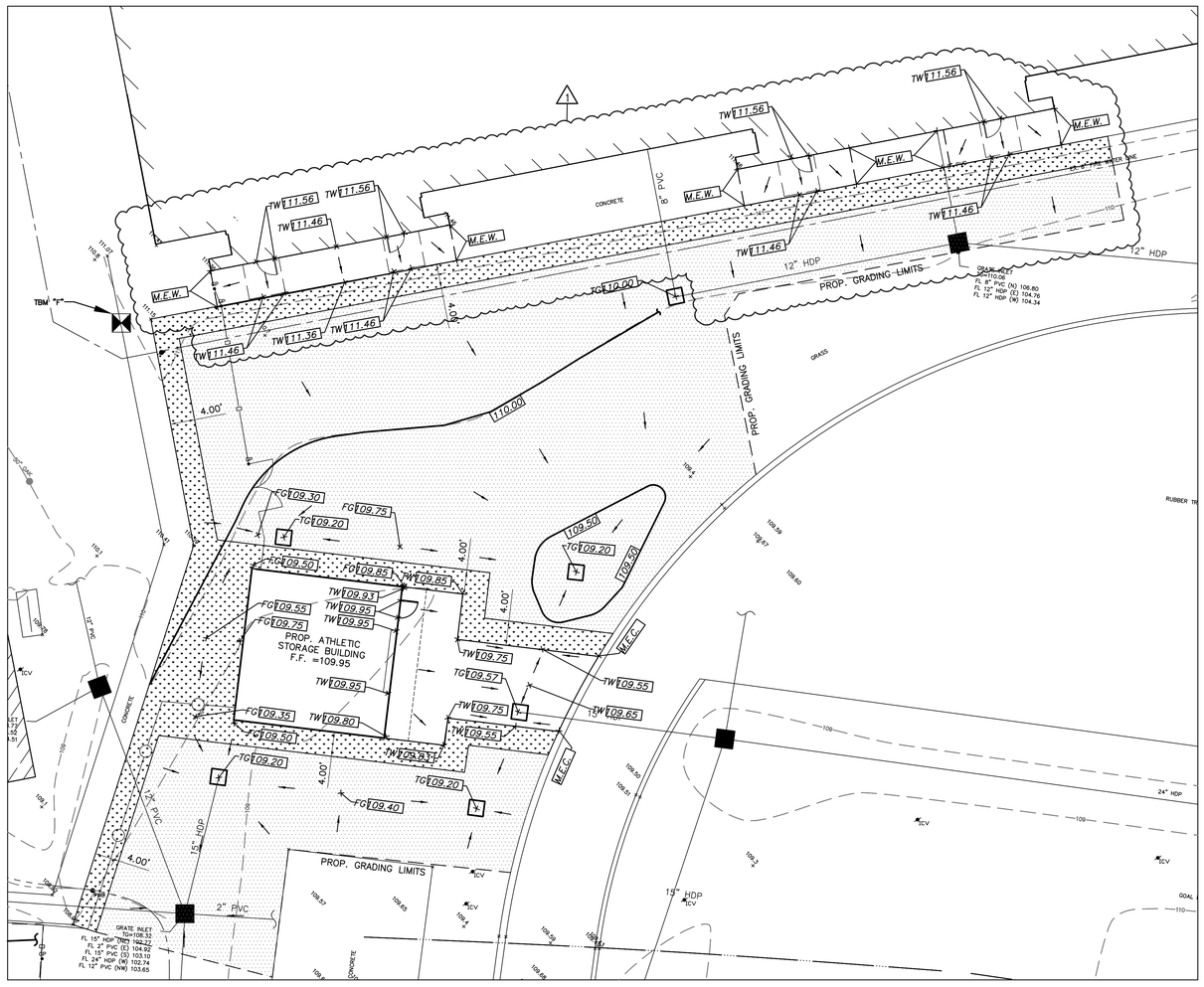

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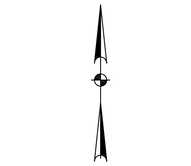

LEGEND:

☐	PROPOSED GRATE/CURB INLET
○	PROPOSED STORM SEWER MANHOLE WITH GRATE TOP
TC 150.70	PROPOSED TOP OF CURB ELEV.
TP 150.20	PROPOSED TOP OF PAVEMENT ELEV.
TW 153.00	PROPOSED TOP OF WALK ELEV.
FL 149.50	PROPOSED FLOWLINE ELEV.
FG 149.50	PROPOSED FINISHED GRADE ELEV.
TG 149.60	PROPOSED TOP OF GRATE ELEV.
150.00	PROPOSED CONTOUR
M.E.C.	MATCH EXIST. CURB & GUTTER
M.E.P.	MATCH EXIST. PAVEMENT
M.E.W.	MATCH EXIST. WALK
—	DIRECTION OF FLOW
	PROPOSED LIMITS OF SOLID SOD ON 2" OF TOPSOIL
	PROPOSED LIMITS OF HYDRO-MULCH ON 4" TOP SOIL. (CONTRACTOR RESPONSIBLE TO IRRIGATE, FERTILIZE, MOW, AND WEED UNTIL 85% OF GRASS IS ESTABLISHED AND BEFORE FINAL ACCEPTANCE).

KEY NOTES:

1. CONTRACTOR TO ADJUST EXISTING CLEAN-OUT TOP TO MATCH FINISHED GRADE ELEVATION.
2. CONTRACTOR TO SLOPE PROPOSED CONCRETE CURB DOWN WITH PROPOSED RAMP.
3. PROPOSED BOLLARD (SEE SHEET C17.00 FOR DETAILS).

VLK|ARCHITECTS

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20445 State Hwy 249, Suite 350
Houston, Texas 77070
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Proj. Arch.	
PA	

2901.00

GRADING PLAN
(SHEET 1 OF 3)

C12.01

KEY NOTES:

1. CONTRACTOR TO DRILL 9" INTO EXISTING CONCRETE AND EMBED 18" LONG #5 BAR @ 18" (EPOXIED IN PLACE) LEAVING 9" OF EXPOSED #5 BAR TO FACILITATE THE CONNECTION TO NEW PAVEMENT.
2. CONTRACTOR TO TRANSITION PROPOSED CONCRETE CURB TO MATCH SLOPE OF PROPOSED RAMP DOWN TO PROPOSED PAVEMENT ELEVATION.

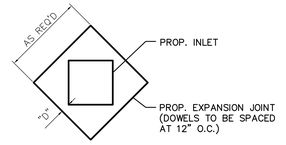
LEGEND:

- SAWED JOINT
- EXPANSION JOINT
- 7" REINFORCED CONCRETE PAVEMENT
- 4 1/2" REINFORCED CONCRETE SIDEWALK PAVEMENT

SCALE: 1"= 10'

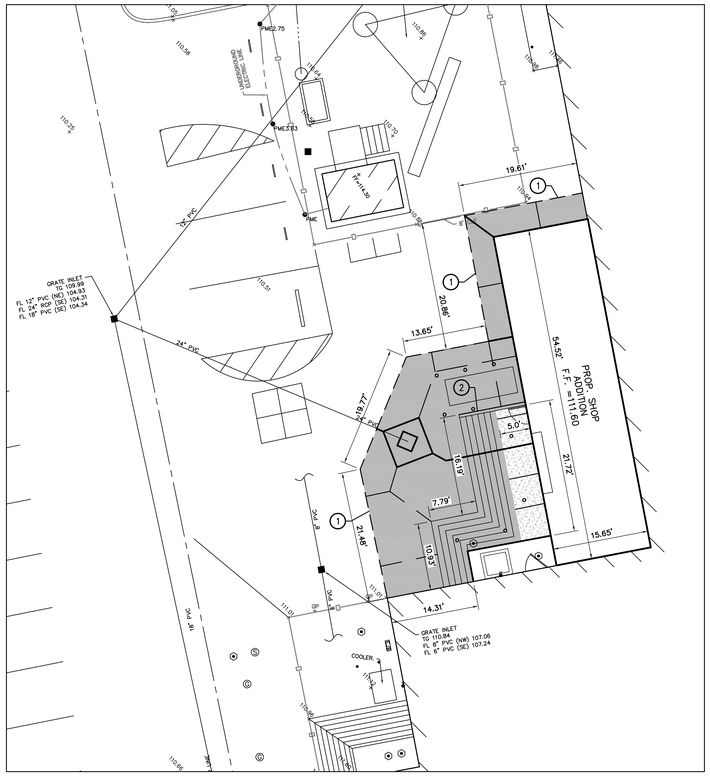
NOTES:

1. LOCATE EXPANSION JOINTS AS SHOWN. SAWED JOINTS SHALL BE SPACED EVENLY BETWEEN EXPANSION JOINTS AT 15' MAXIMUM SPACING.
2. ALL CURBS TO BE 6" UNLESS OTHERWISE NOTED.
3. LINE UP JOINTS IN SIDEWALK W/ JOINTS IN PARKING LOT.
4. INSTALL EXPANSION JOINTS IN ALL DRIVEWAYS AT ROW LINE.
5. SEE ARCHITECT'S PLANS FOR WHEELSTOP LOCATIONS AND SIDEWALK JOINTING.



D = 24" FOR MANHOLES & GRATE INLETS
D = 12" FOR AREA INLETS & AREA DRAINS

STORM SEWER INLET
W/ EXPANSION JOINT
N.T.S.



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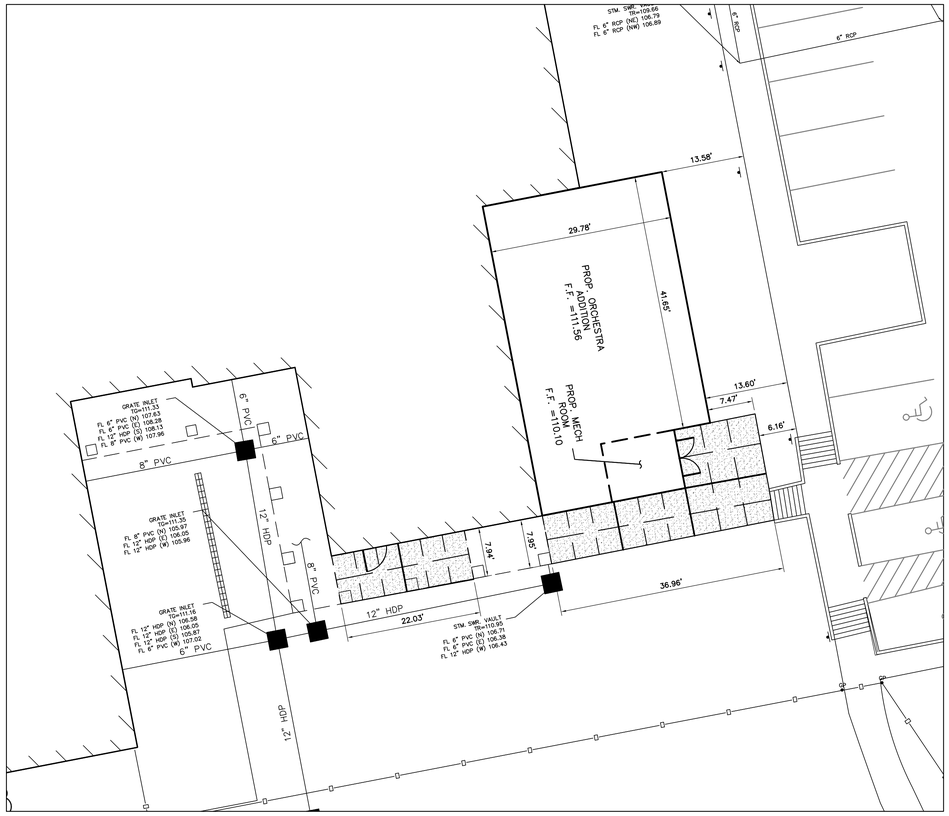

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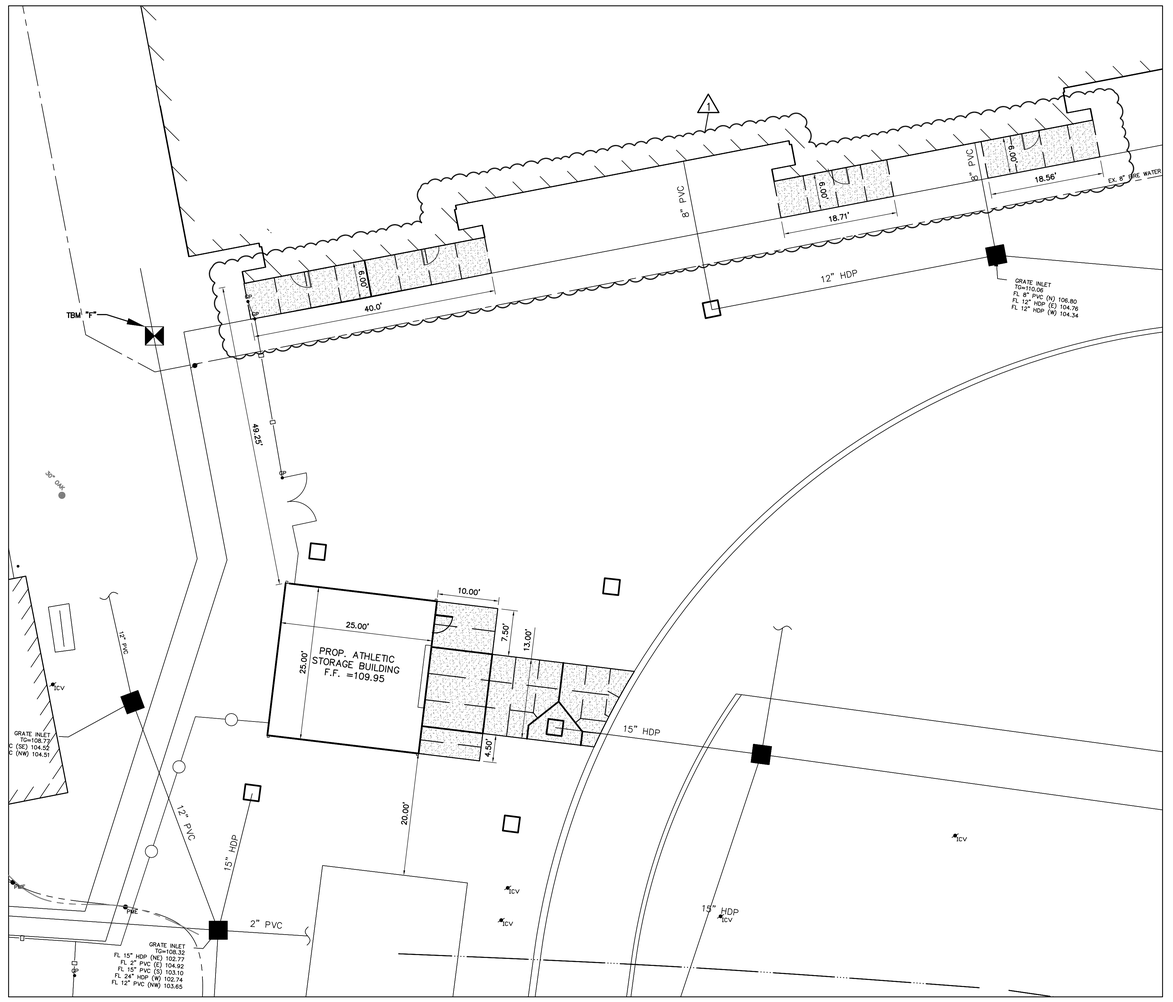

ATHLETIC STORAGE BUILDING ADDITION

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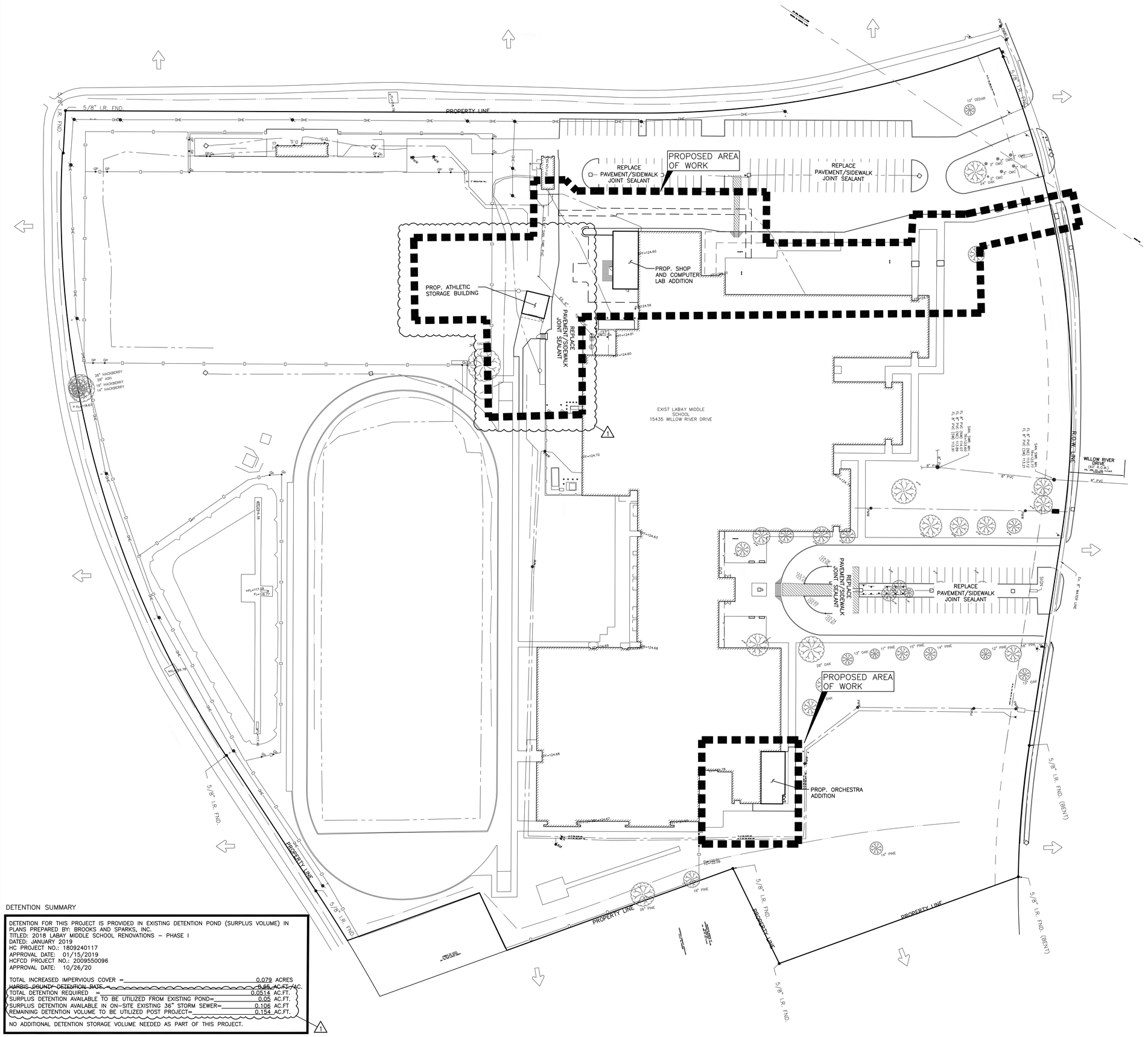
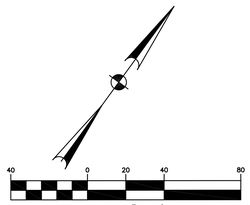
PAVING AND JOINTING PLAN

C15.01





FLOODPLAIN:
ACCORDING TO F.I.R.M. MAP NO. 48201C0420P (COMMUNITY–PANEL NO. 4802870420P), MAP REVISED DATE: NOVEMBER 15, 2019. THE SUBJECT PROPERTY LIES WITHIN THE AREAS DESIGNATED AS ZONE "X" UNSHADED. DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD. ZONE "X" SHADED, AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD. AND ZONE "AE". BASE FLOOD ELEVATIONS DETERMINED.

REFERENCE BENCHMARK:
RM 200250 – BRASS DISK STAMPED "U106 BM04" ON DOWNSTREAM SIDE OF BRIDGE ON STATE HIGHWAY 6 OVER HORSEPEN CREEK AT STREAM CENTERLINE IN THE ADDICKS RESERVOIR WATERSHED IN KEY MAP 408J NEAR STREAM U106–00–00.
ELEVATION = 122.07' (NAVD 88, 2001 ADJ.)

TEMPORARY BENCHMARKS:
TBM "B" – BOX CUT ON CONCRETE BASE OF LIGHT STANDARD LOCATED IN THE MEDIAN OF THE PARKING LOT TO THE MAIN ENTRANCE OF THE SCHOOL BUILDING ±48' SOUTHWEST OF THE SOUTHWESTERLY R.O.W. LINE OF WILLOW RIVER DRIVE.
ELEVATION = 125.70'

TBM "D" – COTTON SPINDLE WITH SHINER STAMPED "WEST BELT SURVEYING" IN POWER POLE LOCATED ±32' SOUTH OF THE SOUTH CORNER OF THE BRICK BUILDING AT THE NORTHERLY END OF THE FOOTBALL FIELD.
ELEVATION = 124.23'

TBM "E" – BOX CUT ON CONCRETE LIGHT STANDARD BASE LOCATED ±175' SOUTHWEST FROM THE INTERSECTION OF WILLOW RIVER DRIVE AND NORTHWESTERLY ENTRANCE TO SITE.
ELEVATION=126.88'

TBM "G" – BOX CUT ON CONCRETE BASE OF LIGHT STANDARD LOCATED AT THE NORTHWESTERLY END OF THE DIRT TRACK.
ELEVATION = 124.03'

TBM "H" – BOX CUT ON CONCRETE BASE OF LIGHT STANDARD LOCATED ±48' NORTHWEST FROM THE NORTHWEST CORNER OF PRESS BOX.
ELEVATION=124.03'

TBM "I" – BOX CUT ON SOUTH CORNER OF CONCRETE SIDEWALK ON THE SOUTHWEST SIDE OF TRACK.
ELEVATION=123.42'

LEGEND:

OFFSITE SHEET FLOW

DETENTION SUMMARY

DETENTION FOR THIS PROJECT IS PROVIDED IN EXISTING DETENTION POND (SURPLUS VOLUME) IN PLANS PREPARED BY: BROOKS AND SPARKS, INC.
TITLED: 2018 LABAY MIDDLE SCHOOL RENOVATIONS – PHASE I
DATED: JANUARY 2019
HC PROJECT NO.: 1809240117
APPROVAL DATE: 01/15/2019
HCFCD PROJECT NO.: 2009550096
APPROVAL DATE: 10/26/20

TOTAL INCREASED IMPERVIOUS COVER =	0.079 ACRES
~~HARRIS COUNTY DETENTION RATE =~~	~~0.65 AC.FT./AC.~~
TOTAL DETENTION REQUIRED =	0.0514 AC.FT.
SURPLUS DETENTION AVAILABLE TO BE UTILIZED FROM EXISTING POND=	0.05 AC.FT.
SURPLUS DETENTION AVAILABLE IN ON–SITE EXISTING 36" STORM SEWER=	0.106 AC.FT
REMAINING DETENTION VOLUME TO BE UTILIZED POST PROJECT=	0.154 AC.FT.

NO ADDITIONAL DETENTION STORAGE VOLUME NEEDED AS PART OF THIS PROJECT.

NOTES TO CONTRACTOR:

1. ALL UNDERGROUND UTILITIES SHOWN ARE NOT GUARANTEED TO BE COMPLETE OR DEFINITE, BUT WERE OBTAINED FROM THE BEST INFORMATION AVAILABLE.
2. THE LOCATION OF ALL UNDERGROUND UTILITIES PRESENTED ON THESE DRAWINGS ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING ANY WORK. CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES (SEE NOTE 6 GENERAL CONSTRUCTION NOTES).
3. CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES (PRIVATE OR PUBLIC) IN THE FIELD PRIOR TO CONSTRUCTION. IF A CONFLICT IS DISCOVERED, CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

UTILITY ONE CALL
CONTRACTOR TO CALL BEFORE DIGGING !!!!
PHONE:
HOUSTON (713) 223–4567
(STATEWIDE OUTSIDE HOUSTON)
1–(800)–545–6005

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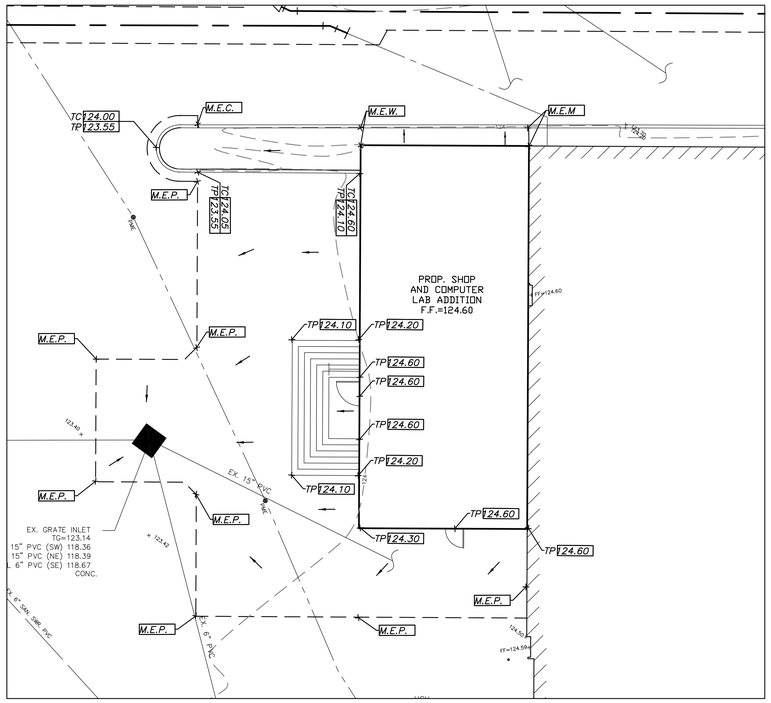
Designer	Quality Control
JW	GL
Proj. Arch.	

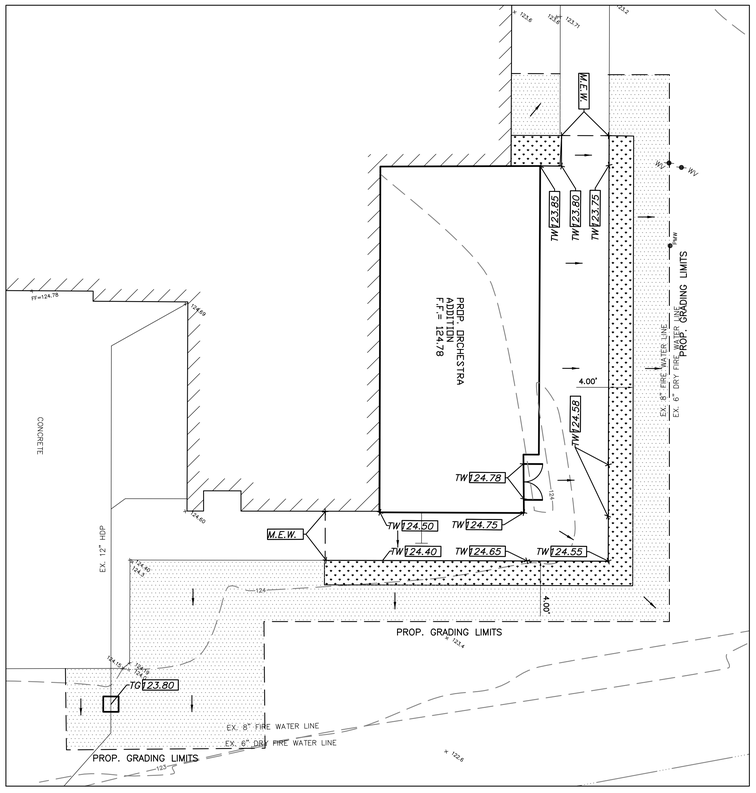
2901.00

CIVIL
SITE PLAN

C21.02



SHOP AND COMPUTER LAB ADDITION



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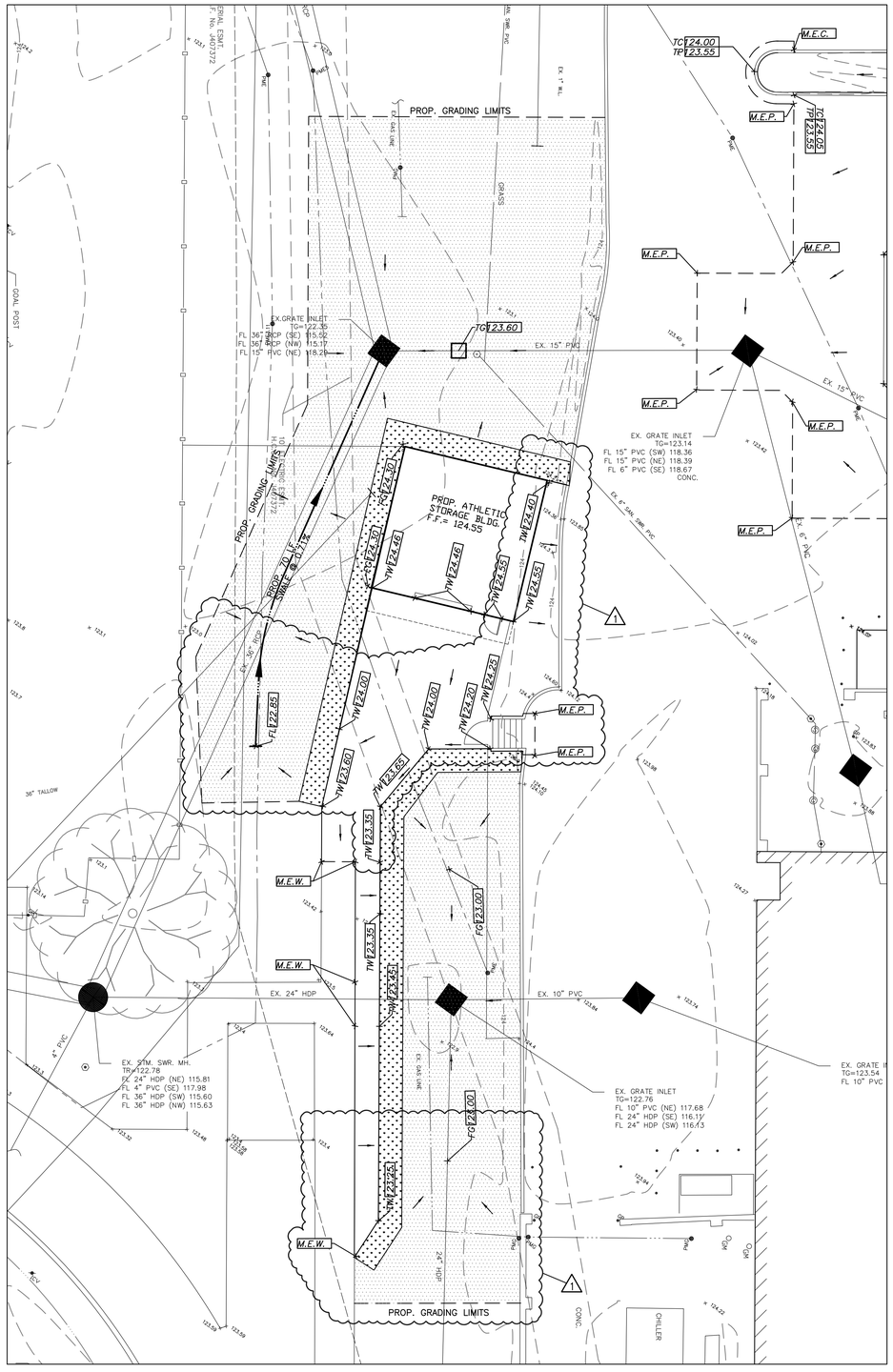
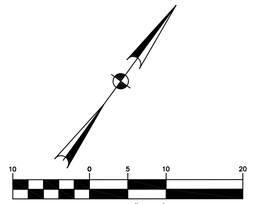


ATHLETIC STORAGE BUILDING ADDITION



FLOODPLAIN:
ACCORDING TO F.I.R.M. MAP NO. 48201C0420P (COMMUNITY–PANEL NO. 4802870420P), MAP REVISED DATE: NOVEMBER 15, 2019. THE SUBJECT PROPERTY LIES WITHIN THE AREAS DESIGNATED AS ZONE "X" UNSHADED. DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD. ZONE "X" SHADED. AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD. AND ZONE "AE". BASE FLOOD ELEVATIONS DETERMINED.

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TBM "D" – COTTON SPINDLE WITH SHINER STAMPED "WEST BELT SURVEYING" IN POWER POLE LOCATED ±32' SOUTH OF THE SOUTH CORNER OF THE BRICK BUILDING AT THE NORTHERLY END OF THE FOOTBALL FIELD.
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TBM "G" – BOX CUT ON CONCRETE BASE OF LIGHT STANDARD LOCATED AT THE NORTHWESTERLY END OF THE DIRT TRACK.
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ELEVATION=124.03'

TBM "I" – BOX CUT ON SOUTH CORNER OF CONCRETE SIDEWALK ON THE SOUTHWEST SIDE OF TRACK.
ELEVATION=123.42'

LEGEND:

□	PROPOSED GRATE/CURB INLET
○	PROPOSED STORM SEWER MANHOLE WITH GRATE TOP
TC 124.50	PROPOSED TOP OF CURB ELEV.
TP 124.00	PROPOSED TOP OF PAVEMENT ELEV.
TW 124.25	PROPOSED TOP OF WALK ELEV.
FL 120.00	PROPOSED FLOWLINE ELEV.
FG 123.50	PROPOSED FINISHED GRADE ELEV.
TG 123.50	PROPOSED TOP OF GRATE ELEV.
124.00	PROPOSED CONTOUR
M.E.C.	MATCH EXIST. CURB & GUTTER
M.E.P.	MATCH EXIST. PAVEMENT
M.E.W.	MATCH EXIST. WALK
—	DIRECTION OF FLOW

NOTES TO CONTRACTOR:

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2024 Cook, Labay & Truitt MS Renovations

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

Issue for Proposal

BROOKS & SPARKS, INC.
F-880
STATE OF TEXAS
FRANK E. BROOKS
49225
REGISTERED
PROFESSIONAL ENGINEER
02/24/25

ISSUED: February 24, 2025

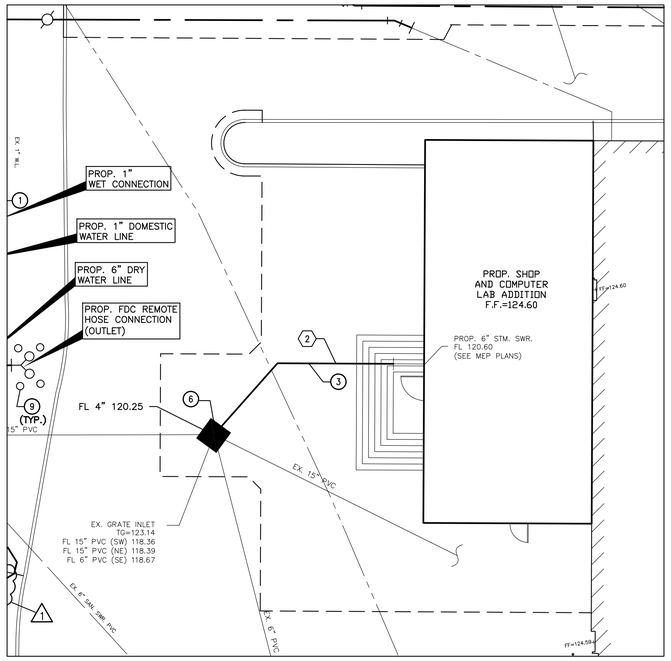
Revision No.		
1	Addendum#1	03–06–25

Director	Drawn By
Designer JW	Quality Control GL
Proj. Arch.	

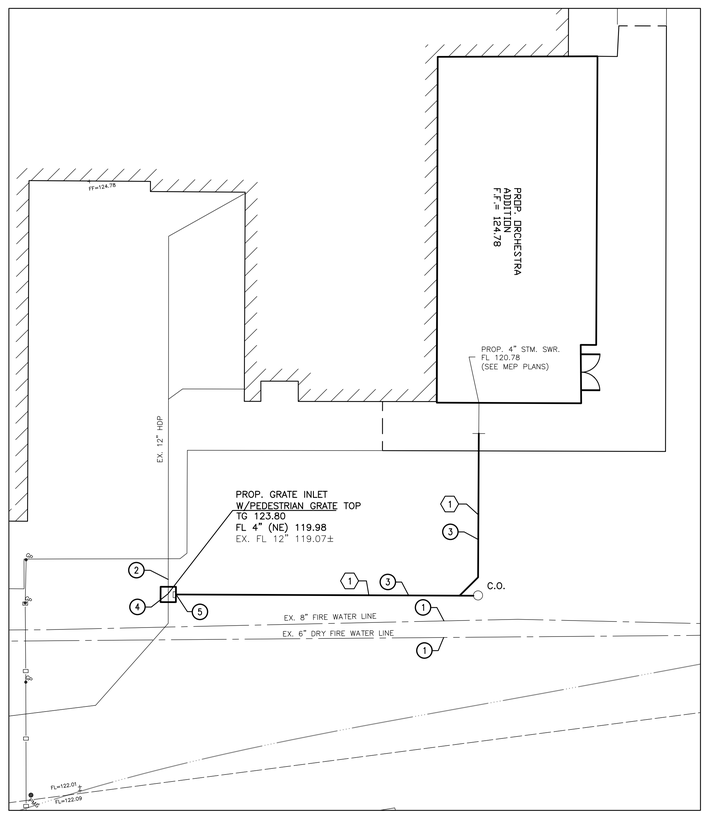
2901.00

GRADING PLAN

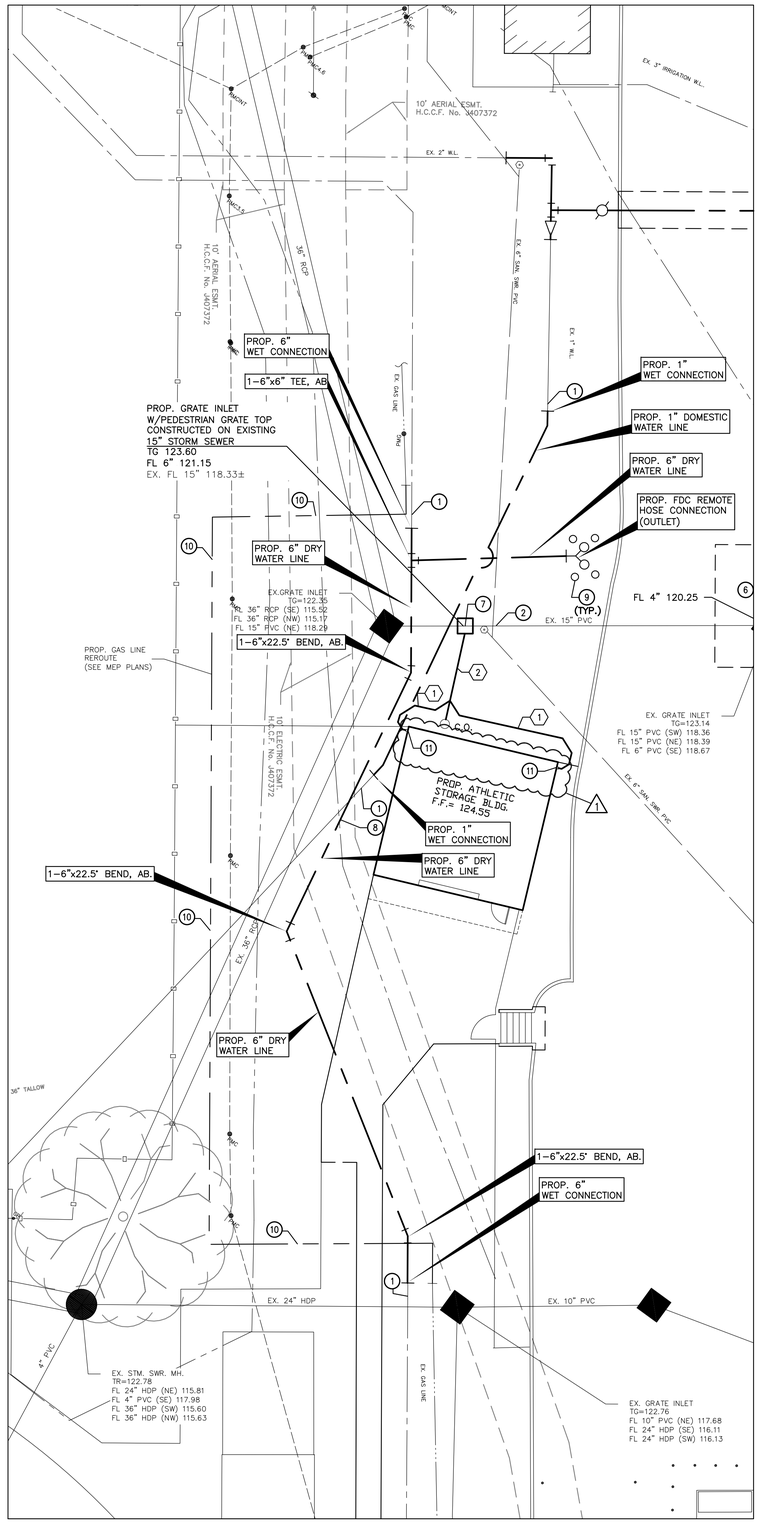
C22.01



SHOP AND COMPUTER LAB ADDITION



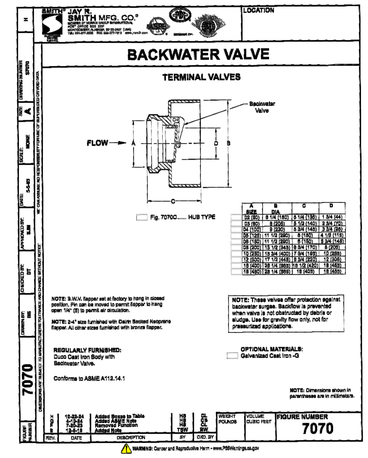
ORCHESTRA ADDITION

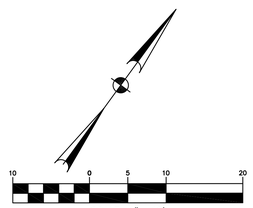


ATHLETIC STORAGE BUILDING ADDITION

KEY NOTES:

1. PRIOR TO CONSTRUCTION CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING WATER LINE. IF CONFLICT ARISES CONTRACTOR TO CONTACT ENGINEER.
2. PRIOR TO CONSTRUCTION CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STORM SEWER. IF CONFLICT ARISES CONTRACTOR TO CONTACT ENGINEER.
3. CONTRACTOR TO MATCH SIZE AND MATERIAL OF MEP STUB TO FIRST INLET STRUCTURE (NO FERNCO COUPLERS ALLOWED).
4. CONTRACTOR TO CONSTRUCT PROPOSED GRATE INLET ON EXISTING 12" STORM SEWER WITH WATER TIGHT CONNECTIONS.
5. CONTRACTOR TO INSTALL JAY R. SMITH 4" BACKWATER VALVE (OR APPROVED EQUAL) WITHIN PROPOSED GRATE INLET TO PREVENT BACKFLOW ON CONDENSATE LINE INTERIOR TO BUILDING (SEE DETAIL THIS SHEET).
6. CONTRACTOR IN CONNECT PROPOSED STORM SEWER TO EXISTING GRATE INLET WITH WATER TIGHT CONNECTION.
7. CONTRACTOR TO CONSTRUCT PROPOSED GRATE INLET ON EXISTING 15" STORM SEWER WITH WATER TIGHT CONNECTIONS.
8. CONTRACTOR TO OFFSET PROPOSED DRY FIRE WATER LINE UNDER EXISTING ELECTRICAL CONDUIT BANK MAINTAINING MINIMUM 12" VERTICAL CLEARANCE.
9. PROPOSED BOLLARD. CONTRACTOR TO REFER TO HARRIS COUNTY HOSE CONNECTION DETAIL ON SHEET C21.04.
10. POTENTIAL GAS LINE REROUTE. CONTRACTOR TO COORDINATE FINAL ROUTING AND INSTALLATION WITH MEP AND GAS PROVIDER.
11. CONTRACTOR TO REFER TO ARCHITECTURAL PLANS FOR DOWNSPOUT BOOT DETAILS.





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LEGEND:

- PROPOSED MANHOLE
- PROPOSED MANHOLE W/GRATE TOP
- PROPOSED GRATE/CURB INLET
- DIRECTION OF FLOW
- FL FLOW LINE
- C.O. PROPOSED CLEANOUT
- (1) PROP. 4" STM. SWR. @ 1.00% MIN.
- (2) PROP. 6" STM. SWR. @ 1.00% MIN.

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CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

Issue for Proposal

BROOKS & SPARKS, INC.
F-880
STATE OF TEXAS
FRANK E. BROOKS
49225
REGISTERED
PROFESSIONAL ENGINEER
02/24/25

ISSUED: February 24, 2025

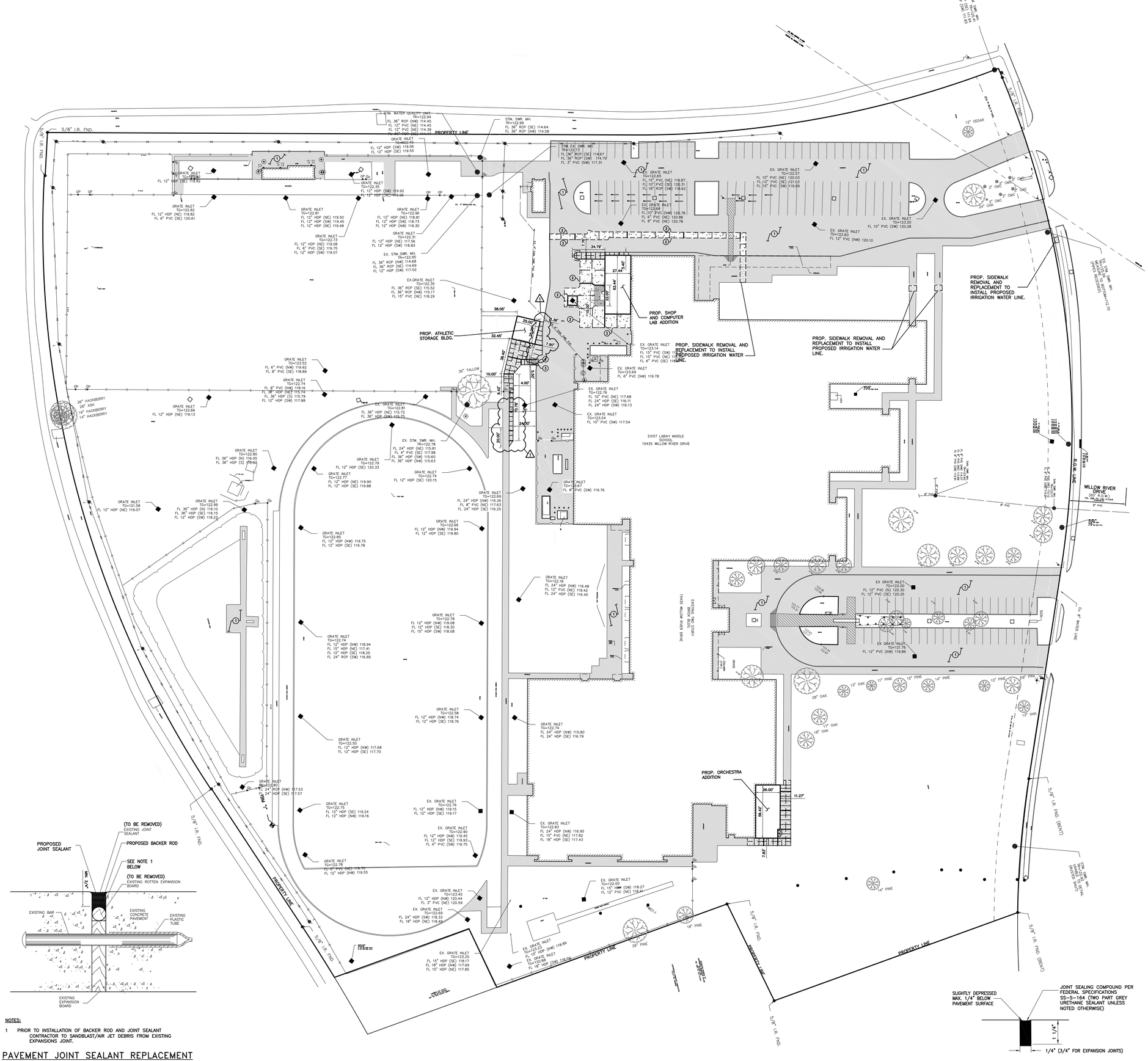
Revision No.
1 Addendum#1 03-06-25

Director
Designer JW
Proj. Arch.
Drawn By
Quality Control GL

2901.00

GRADING PLAN (SHEET 1 OF 2)

C23.01



NOTES:

1 PRIOR TO INSTALLATION OF BACKER ROD AND JOINT SEALANT CONTRACTOR TO SANDBLAST/AIR JET DEBRIS FROM EXISTING EXPANSIONS JOINT.

PAVEMENT JOINT SEALANT REPLACEMENT AT EXISTING EXPANSION JOINTS

N.T.S.

JOINT SEAL

N.T.S.

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LEGEND:

- SAWED JOINT
- EXPANSION JOINT
- AREA OF PROPOSED PAVEMENT AND SIDEWALK JOINT SEALANT REPLACEMENT.
- 7" REINFORCED CONCRETE PAVEMENT
- 4 1/2" REINFORCED CONCRETE SIDEWALK

NOTES:

1. LOCATE EXPANSION JOINTS AS SHOWN. SAWED JOINTS SHALL BE SPACED EVENLY BETWEEN EXPANSION JOINTS AT 15' MAXIMUM SPACING.
2. ALL CURBS TO BE 6" UNLESS OTHERWISE NOTED.
3. LINE UP JOINTS IN SIDEWALK W/ JOINTS IN PARKING LOT.
4. INSTALL EXPANSION JOINTS IN ALL DRIVEWAYS AT ROW LINE.
5. SEE ARCHITECT'S PLANS FOR WHEELSTOP LOCATIONS AND SIDEWALK JOINTING.

KEY NOTES:

1. CONTRACTOR TO REMOVE AND REPLACE EXISTING JOINT SEALANT THROUGHOUT SITE (PAVEMENT AND SIDEWALK), IN AREAS WHERE EXPANSION JOINT IS ROTTED OUT CONTRACTOR TO PROVIDE BACKER ROD PRIOR TO JOINT SEALANT REPLACEMENT (SEE DETAIL THIS SHEET).
2. CONTRACTOR TO DRILL 9" INTO EXISTING CONCRETE AND EMBED 18" LONG #5 BAR @ 18" (EPOXIED IN PLACE) LEAVING 9" OF EXPOSED #5 BAR TO FACILITATE THE CONNECTION TO NEW PAVEMENT.
3. CONTRACTOR TO INSTALL 6" REINFORCED CONCRETE PAVEMENT AT BASE OF BOTTOM OF PROPOSED RAMP WITHIN EXISTING CONCRETE DRIVE.

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CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

Issue for Proposal

BROOKS & SPARKS, INC. F-880
STATE OF TEXAS FRANK E. BROOKS 49225 REGISTERED PROFESSIONAL ENGINEER
02/24/25

ISSUED: February 24, 2025

Revision No.
1 Addendum #1 03-06-25

Director
Designer JW
Proj. Arch.
Drawn By
Quality Control GL

2901.00

PAVING AND JOINT PLAN

C25.01

2024 Cook, Labay & Truitt MS Renovations

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT

HOUSTON, TEXAS

CYPRESS FAIRBANKS INDEPENDENT SCHOOL DISTRICT
LEARN • EMPOWER • ACHIEVE • DREAM

VLK | ARCHITECTS

ADMINISTRATION	
DOUGLAS KILLIAN, ED.D.	SUPERINTENDENT OF SCHOOLS
TERESA HULL	CHIEF OF STAFF
MATT MORGAN	CHIEF OF OPERATION OFFICER
LINDA MACIAS, ED.D.	CHIEF ACADEMIC OFFICER
DEBORAH STEWART, ED.D.	CHIEF OF EMPLOYEE & STUDENT SERVICES
KAREN SMITH	CHIEF FINANCIAL OFFICER
CHRISTINA COLE	CHIEF OFFICER FOR SCHOOL LEADERSHIP
MARNEY COLLINS-SIMS	GENERAL COUNCIL
JESSE CLAYBURN	ASSISTANT SUPERINTENDENT, FACILITIES AND CONSTRUCTION
DAN GROSZ	DIRECTOR OF DESIGN AND FACILITIES PLANNING
SHANNON THOMPSON	DIRECTOR OF PROJECT MANAGEMENT
STEVEN BRYAN	DIRECTOR OF CONSTRUCTION FIELD SERVICES
AMY HAYES	DIRECTOR OF CONTRACT MANAGEMENT

SCOPE OF WORK

SCOPE #	DESCRIPTION
1	Replace paint booth to meet district standards.
2	Renovate shop area with Classroom Addition.
3	Add 1,000 total to orchestra for the following: (1) Increase main classsroom size to 1,600 SF (2) Add one Ensemble room 500 SF (3) Add one Practice room 100 SF.
4	Provide outside storage for football and track equipment.
5	Replace deteriorated sills (throughout school).
7	Strip, regrade, and resod existing competition football field with TIF-419 Bermuda.
8	Remove and replace all existing thru-wall with stainless steel (throughout school). Notable locations: Library and Reception area.
9	Provide handicap accessible exterior doors (throughout school).
10	Provide new cap sheet to existing MOD. BIT. roofing membrane.
11	Provide generator backed power for all racks in all telecommunications rooms.
12	Update cafeteria stage lighting, sound, A/V equipment and drapery packages.
13	Replace fire alarm (throughout school).
14	Provide sub-metering for kitchen cooling/heating and water usage.
15	Add dedicated HVAC unit to secondary telecommunications rooms (IDF).
18	Repair gas piping on roof. Remove surface rust and paint. Replace all gas valves on roof.
~~19~~	~~Replace all existing data cables to CAT 6A.~~ (1)
20	Additional card readers on exterior doors (throughout school).
21	Harden main front desk.
24	Additional lockdown buttons (throughout school).
25	Enhanced video intercoms.
26	Exterior window and door numbering.
29	Impact resistant glass on doors and high-traffic areas.
30	Upgrade classroom and exterior door hardware.

VOLUME 1

COOK MIDDLE SCHOOL

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
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Main Phone: 281.671.2300
www.vlkarchitects.com

CIVIL ENGINEER
Brooks & Sparks, Inc.
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www.brooksandsparks.com

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CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

REGISTERED ARCHITECT
RUDOLPH STARKS JR.
24202
STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: -
Designer: -
Quality Control
Proj. Arch.: RS

PROJECT NO.
24-010.00

SHEET TITLE
COVER - COOK MS

SHEET NO.
G10.01

2024 Cook, Labay & Truitt MS Renovations

2024 Cook, Labay & Truitt MS Renovations

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT

HOUSTON, TEXAS

ABBREVIATIONS

A

A.F.F.	ABOVE FINISH FLOOR
A.C.T.	ACOUSTICAL CEILING TILE
ADDL.	ADDITIONAL
A.B.	AIR BARRIER
A.C.M.	ALUMINUM COMPOSITE PANEL
A.D.A.	AMERICANS WITH DISABILITIES ACT
AL/ALUM.	ALUMINUM
APPROX.	APPROXIMATE OR APPROXIMATELY
ARCH.	ARCHITECT OR ARCHITECTURAL

B

BD.	BOARD
B.O.W.	BOTTOM OF WALL
B.U.R.	BUILT-UP ROOFING
BLDG.	BUILDING

C

℄	CENTER LINE
C.R.	CLASSROOM
C.F.S.	COLD-FORMED STEEL
CONC.	CONCRETE
CMU	CONCRETE MASONRY UNIT
C.M.	CONSTRUCTION MANAGER
CONT.	CONTINUOUS
C.I.	CONTINUOUS INSULATION
C.J.	CONTROL JOINT
COORD.	COORDINATE
CORR.	CORRIDOR

D

DIA.	DIAMETER
D.O.	DOOR OPENING
DN.	DOWN
DS.	DOWNSPOUT

E

EA.	EACH
E.W.	EACH WAY
ELEC.	ELECTRICAL
E.W.C.	ELECTRIC WATER COOLER
ELEV.	ELEVATION
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXIST.	EXISTING
E.J.	EXPANSION JOINT
EXT.	EXTERIOR
EIFS	EXTERIOR INSULATION & FINISH SYSTEM

F

FT.	FEET or FOOT
F.R.P.	FIBERGLASS REINFORCED PLASTIC
F.V.	FIELD-VERIFY
FIN.	FINISH
F.F.	FINISH FLOOR
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER & CABINET
F.H.C.	FIRE HOSE CABINET
F.H.C.S.	FLAT-HEAD COUNTERSUNK
FLR.	FLOOR
F.D.	FLOOR DRAIN
FLUOR.	FLUORESCENT

G / H

GALV.	GALVANIZED
GA.	GAGE
G.C.	GENERAL CONTRACTOR
G.O.	GLAZED OPENING
GYP	GYPSUM
HT.	HEIGHT
H.P.	HIGH POINT
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
H.B.	HORIZONTAL BLINDS
H.D.G.	HOT-DIP GALVANIZED
HR.	HOUR

I / J / K

I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
I.B.C.	INTERNATIONAL BUILDING CODE

L

LAV.	LAVATORY
L.L.H.	LONG LEG HORIZONTAL
L.L.V.	LONG LEG VERTICAL
L.P.	LOW POINT
L.V.T.	LUXURY VINYL TILE

M

MFR.	MANUFACTURER
MFG.	MANUFACTURING
M.B.	MARKER BOARD
M.O.	MASONRY OPENING
MAX.	MAXIMUM
MECH.	MECHANICAL

M (CONT.)

MOD BIT	MODIFIED BITUMEN
MULL.	MULLION
M.E.P.	MECHANICAL-ELECTRICAL-PLUMBING
M.C.M.	METAL COMPOSITE MATERIAL
MIN.	MINIMUM
MISC.	MISCELLANEOUS

N

NOM.	NOMINAL
N/A	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO./#	NUMBER

O

O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.H.	OPPOSITE HAND
OHD.	OVERHEAD
O.F.C.I.	OWNER-FURNISHED, CONTRACTOR-INSTALLED
O.F.O.I.	OWNER-FURNISHED, OWNER INSTALLED

P / Q

PR.	PAIR
P.LAM.	PLASTIC LAMINATE
PL.	PLATE
PLUMB.	PLUMBING
PT.	POINT
P.C.F.	POUNDS PER CUBIC FOOT
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
PREFAB.	PREFABRICATED
PROJ.	PROJECTOR or PROJECTION
Q.T.	QUARRY TILE

R

R.	RADIUS
REBAR	REINFORCING BAR
REF.	REFERENCE or REFER TO
R.C.P	REFLECTED CEILING PLAN
RE:	REGARDING
REFG.	REFRIGERATOR
REINF.	REINFORCE or REINFORCING
REQD.	REQUIRED
R.	RISER (STAIR)
R.D.	ROOF DRAIN
R.O.	ROUGH OPENING

S

SIM.	SIMILAR
S.C.	SOLID CORE
S.A.B.	SOUND ATTENUATION BLANKET
S.A.F.B.	SOUND ATTENUATION FIRE BLANKET
S.T.C.	SOUND TRANSMISSION CLASS
SPEC.	SPECIFICATION
SQ.	SQUARE
S.F.	SQUARE FOOT
S.S.	STAINLESS STEEL
STRUC.	STRUCTURAL
SUSP.	SUSPENDED

T

T.B.	TACKBOARD
T.W.	TACK WALL
T.C.	TEACHER'S CABINET
T.A.S.	TEXAS ACCESSIBILITY STANDARDS
T.	TREAD (STAIR)
T&B	TOP & BOTTOM
T.O.	TOP OF
T.C.	TOP OF CURB
T.O.D.	TOP OF DECK
T.O.J.	TOP OF JOIST
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL

U / V

U/C	UNDER COUNTER
U.L.	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
VERT.	VERTICAL
V.C.T.	VINYL COMPOSITION TILE
V.W.C	VINYL WALL COVERING

W / X / Y / Z

W.C.	WATER CLOSET
W.R.B.	WATER-RESISTIVE BARRIER
WT.	WEIGHT
W.	WIDE
W/	WITH
W/O	WITHOUT
W.P.	WORKING POINT
W.W.F.	WELDED WIRE FABRIC

MATERIAL INDICATIONS

- EARTH
- POROUS FILL
- CONCRETE/ GROUT
- BRICK
- CMU (LARGE SCALE)
- MARBLE
- METAL (LARGE SCALE)
- METAL (SMALL SCALE)
- RESILIENT FLOORING
- ACOUSTICAL TILE
- TERRAZZO
- PLASTER, SAND, GROUT
- CERAMIC TILE
- GLASS (LARGE SCALE)
- INSULATION (RIGID FOAM BOARD)
- INSULATION (EPS FOAM BOARD)
- INSULATION (BATT/ BLANKET)
- INSULATION (SEMI-RIGID BOARD)
- WOOD, ROUGH (CONTINUOUS)
- WOOD, ROUGH (BLOCKING)
- WOOD, FINISH
- PLYWOOD (LARGE SCALE)
- FIBER CEMENT PANEL
- METAL LATH
- GYPSUM BOARD

SYMBOLS LEGEND

- CLASSROOM / A201 — ROOM NAME & NUMBER
- A203 — DOOR NUMBER
- A — ALUMINUM-FRAMED GLAZED OPENING SYSTEM
- G.O. / 2 — HOLLOW METAL-FRAMED GLAZED OPENING SYSTEM
- P1 — PARTITION TYPE
- ABC-01 — BUILDING ASSEMBLY TYPE
- (6/A7) SHEET NO. / DWG. NO. — BUILDING ELEVATION
- DWG. NO. / (3/A8) / SHEET NO. — BUILDING SECTION
- DWG. NO. / (6/A7) / SHEET NO. — WALL SECTION
- 3 — LOUVER
- 8 — KEYED NOTE
- N — NORTH ARROW
- HB — HORIZONTAL BLINDS
- DWG. NO. / 3/A8.01 / SHEET NO. — INTERIOR ELEVATION
- DWG. NO. / 6/A4.05 / SHEET NO. — SECTION DETAIL
- AC — ACCESS CONTROL
- DATUM ELEVATION

GENERAL NOTES

1. Refer to the CODE-series sheets for Code Information, Design Criteria and Fire Protection Requirements.
2. Verify and document existing dimensions and conditions at the site before beginning construction. Notify the Architect of conflicts or variations prior to commencement of construction.
3. Based on the applicable design criteria, submit Shop Drawings of the proposed pattern of control joints in masonry veneer, CMU, gypsum board, plaster and stucco to the Architect for review and approval prior to construction.
4. In case of discrepancies in or between the Contract Documents, the greater quantity or better quality shall be bid. Clarifications regarding the discrepancies shall be requested from the Architect prior to construction, and the resulting interpretations implemented in accordance with the Contract Documents.

INDEX OF DRAWINGS

PROJECT INFORMATION | COOK MS

PROJECT IDENTIFICATION

PROJECT:	2024 COOK MS RENOVATIONS
OWNER:	CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
PROJECT LOCATION:	9211 WHEATLAND DRIVE, HOUSTON, TX 77064
LEGAL DESCRIPTION:	TRS 1A 1A-13 & 3B WINSHESTER COUNTRY SCHOOL 10 ABST. 246 J. D. EGBERT
VLK PROJECT NUMBER:	24-010.00
TDLR PROJECT REGISTRATION NUMBER:	TABS

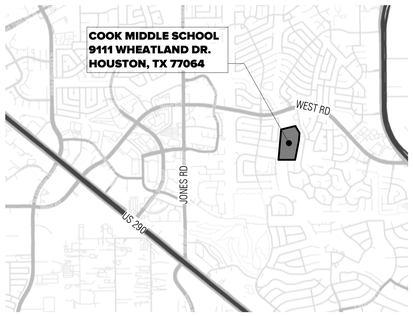
APPROXIMATE BUILDING AREAS

BUILDING DATA:	
Existing Building (Renovation):	199,947 sq. ft.
Building Addition:	2,548 sq. ft.
Grand Total Area of Work:	**202,495 sq. ft.**

BUILDING CONSTRUCTION INFORMATION

TYPE OF CONSTRUCTION (TABLE 601 - IBC):	TYPE II-B
FIRE PROTECTION SYSTEM:	AUTOMATIC SPRINKLER SYSTEM THROUGHOUT

SITE LOCATION MAP



VLK | ARCHITECTS

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CIVIL ENGINEER
Brooks & Sparks, Inc.
21020 Park Row Blvd.
Katy, TX 77449
Main Phone: 281.578.9595
www.brooksandsparks.com

LANDSCAPE / IRRIGATION
Westwood
20329 State Hwy 249, #350
Houston, TX 77070
Main Phone: (281) 883-0103
www.westwoodps.com

STRUCTURAL ENGINEER
Dunaway
3200 Wilcrest Dr. Ste 4400
Houston, TX 77042
Main Phone: 512.306.8252
www.dunaway.com

M.E.P. ENGINEER
Salas O'Brien
10930 W Sam Houston Pkwy N #900
Houston, TX 77064
Main Phone: 281.664.1900
www.salasobrien.com

ACOUSTICAL / THEATRICAL
W.J.H.W.
3424 Midcourt Rd. Suite 124
Carrollton, TX 75006
Main Phone: 210.561.9800
www.wjhw.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT — BRANDON STARK — 24208 — STATE OF TEXAS

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
TL	STH
Designer	Quality Control
Proj. Arch.	
RS	

PROJECT NO.
24-010.00

SHEET TITLE
PROJECT INFORMATION, GENERAL NOTES, ABBREVIATIONS, INDEX

SHEET NO.
G10.02

1 BUILDING PLANNING & DESCRIPTION

- [x] NEW CONSTRUCTION
- [ ] LEASE SPACE BUILD-OUT (LSBO)
- [ ] SUBSTANTIAL IMPROVEMENT
- [ ] SHELL BUILDING
- [ ] CHANGE OF OCCUPANCY
- [ ] OTHER: ______

	MIXED OCCUPANCY	
[x] SINGLE OCCUPANCY	[ ] SEPARATED USE	[ ] NON-SEPARATED USE

(SECTION 508.3 OR 508.4 IBC 2021)

TYPE OF CONSTRUCTION: I-B *(CHAPTER 6 IBC 2021)*

HEIGHT LIMITATION: 180' AREA LIMITATION: UNLIMITED *(TABLES 504.3, 504.4, 506.2 IBC 2021)*

FRONTAGE INCREASE CALCULATIONS ARE SHOWN ON SHEET: N/A

BUILDING VALUATION

BUILDING NUMBER: 1 OF 2

ADDRESS: 9211 WHEATLAND DRIVE

CITY, ST: HOUSTON, TX ZIP CODE: 77064 SUITE: N/A

CALL CENTERPOINT ENERGY AHEAD OF TIME, AT 713-207-4460, TO OBTAIN AN ADDRESS

HCAD #. OR PROPERTY TAX #: 0421070000017 (13 DIGITS)
(http://www.hcad.org)

BUILDING LOCATED IN FLOODPLAIN: X-UNSHADED ___ 500-YR [x] 100-YR ___ OTHER ___
BFE ___ FFE ___ NG ___

GROSS SQUARE FOOTAGE: 10,126 SF (IN SCOPE OF WORK) #OF FLOORS: 1 HEIGHT: 23 FEET

ESTIMATED COST OF CONSTRUCTION: $ ADDITION: $1,145,600 | RENOVATION: $2,652,300

T.D.L.R #: TABS2025012859 (1) *(REQUIRED FOR CONSTRUCTION OVER $50,000)*
TEXAS DEPARTMENT OF LICENSING AND REGULATIONS
(https://www.tdlr.texas.gov/ab/ab.htm)
TELEPHONE: (512) 463-6599 TOLL FREE (IN TEXAS): 800-803-9202
FAX: (512) 475-2871 RELAY TEXAS-TDD: 800-735-2989

SHELL BUILDING PERMIT #: PRE-1985 CIVIL PROJECT #: TBD

PUBLIC UTILITIES: YES [x] NO [ ]

OSSF : YES [ ] NO [x] PROJECT/PERMIT #: N/A

LIST BELOW THE PURPOSE/USE OF THE BUILDING OR AREA BEING REVIEWED. INCLUDE DETAILS ON THE PRODUCTS/MATERIALS BEING STORED/FABRICATED AND NOTE HOW THEY ARE BEING PACKAGED.

MIDDLE SCHOOL BUILDING RENOVATIONS AND ADDITIONS - INLCUDING, BUT NOT LIMITED TO DOOR AND SECURITY UPGRADES, INTERIOR REMODEL, AND CLASSROOM ADDITION.

2 OCCUPANCY TYPE AND LOAD

CHAPTER 2, 3 & TABLE 1004.5 IBC 2021

BREAK DOWN AREAS AND OCCUPANT LOADS PER FLOOR					
OCC. CLASS	AREA SPECIFIC USE	GROSS SF	NET SF	SF PER OCC.	DESIGN OCC.
ADDITION					
TYPE 'E'	EDUCATION, SHOP/VOCATIONAL AREAS		808 SF	50 NET	17
TYPE 'E'	EDUCATION, CLASSROOMS		1480 SF	20 NET	74
TYPE 'E'	ACCESSORY STORAGE AREAS	260 SF		300 GROSS	1
RENOVATIONS					
TYPE 'E'	EDUCATION, SHOP/VOCATIONAL AREAS		3634 SF	50 NET	73
TYPE 'E'	EDUCATION, CLASSROOMS		3089 SF	20 NET	155
TYPE 'E'	BUSINESS AREAS	181 SF		150 GROSS	2
TYPE 'E'	ACCESSORY STORAGE AREAS	674 SF		300 GROSS	3
TOTAL NET			9011 SF		319
TOTAL GROSS		1125 SF			6

3 MEANS OF EGRESS

CHAPTER 10 IBC 2021

MEANS OF EGRESS	# OF REQUIRED EXITS	# OF EXITS PROVIDED	SHEET #
STAIRWAYS (PER FLOOR)	N/A	N/A	N/A
EGRESS @ 1ST FL OR LSBO	4	30	A10.01

(SECTIONS 1005 & 1006 IBC 2021)

PANIC HARDWARE ON EXIT DOORS? YES [x] NO [ ] *(SECTION 1010.2.9 IBC 2021)*

STAIRWAYS *(SECTION 1011 IBC 2021)*

STAIR DETAILS AND EGRESS WIDTHS SHOWN ON: N/A

EXIT SIGNS/EGRESS ILLUMINATION *(SECTIONS 1008 & 1013 IBC 2021)*

REQUIRED AND SHOWN ON: A10.01 *(HIGHLIGHT ON PLANS)*

EXTERIOR MEANS OF EGRESS LIGHTING PROVIDED? YES [x] *(SECTION 1008 IBC 2021)*

EXIT TRAVEL DISTANCE *(SECTION 1017 IBC 2021)*

OCCUPANCY TYPE	MAX TRAVEL DISTANCE	PROVIDE TRAVEL DISTANCE	SHEET #
EDUCATIONAL GROUP 'E'	250 FEET	250 FEET MAX.	A10.01

ELEVATORS NO WORK

NEW [ ] EXISTING [x] ELEVATOR HOISTWAY IBC SECTION 3006.2.1? YES [ ] NO [ ]
ELEVATOR KEYBOX LOCATED IN LOBBY? YES [ ] NO [ ]

4 FIRE PROTECTION & LIFE SAFETY SYS.

CHAPTER 9 IFC & IBC 2021

ALL FIRE PROTECTION PLANS SHALL BE SUBMITTED FOR REVIEW AFTER BUILDING PERMIT HAS BEEN ISSUED *(I.E. UNDERGROUND FIRE LINE, SPRINKLER SYSTEM, FIRE ALARM SYSTEM, STANDPIPE, FIRE PUMP ROOM, AND FIRE PROTECTION WATER SUPPLY SYSTEMS)*

AUTOMATIC FIRE SPRINKLER SYSTEM/ALTERNATIVE AUTOMATIC FIRE EXTINGUISHING SYSTEM SECTION 903 IFC 2021
ALL SPRINKLERS SHALL COMPLY WITH MONITORING AND OCCUPANT NOTIFICATION PER 903.4.2.1 SECTION 903.4.1 IFC 2021 AMENDMENTS

[x] PROVIDED AS NOTED ON: A10.01 [ ] NOT REQUIRED PER SECTION 903

SYSTEM PROVIDED:
- [x] NFPA 13
- [ ] NFPA 13R
- [ ] NFPA 13D
- [ ] OTHER: ______

SPRINKLER HEAD PROVIDED:
- [x] STANDARD
- [ ] ELO
- [ ] ESFR
- [ ] QUICK RESPONSE

FIRE PUMP PROVIDED: [ ] YES [x] NO
FIRE PUMP SEPARATION: SEE SECTION 913.2.1 IFC 2021

FIRE DEPARTMENT ACCESS TO SPRINKLER CONTROLS:
- [ ] SPRINKLER RISER ROOM OR POST INDICATOR VALVE SHOWN ON: ______ *(SECTION 901.4.7 HC AMENDMENTS IFC 2021)*
- [x] FDC SHOWN ON: A10.01 *(FDC SHALL COMPLY WITH SECTION 912 IFC 2021)*

ALTERNATIVE AUTOMATIC FIRE-EXTINGUISHING SYSTEMS *(SECTION 904 IFC 2021)*
- [ ] REQUIRED AND SHOWN ON: ______
- [x] NOT REQUIRED

STANDPIPE SYSTEM & HOSE CONNECTIONS *(SECTION 905 IFC 2021)*
(I.E. IN STAIRWAYS, STAGES, MALLS)
- [ ] PROVIDED AS NOTED ON: ______, TYPE OF SYSTEM PROVIDED: ______ *(CLASS I, II OR III)*
- [x] NOT REQUIRED

PORTABLE FIRE EXTINGUISHERS *(SECTION 906 IFC 2021)*
- [x] PROVIDED AS NOTED ON: A10.01, NUMBER PROVIDED: 4 *(HIGHLIGHT ON PLANS)*

FIRE ALARM & DETECTION SYSTEMS *(SECTION 907 HC AMENDMENTS IFC 2021)*
- [x] FIRE ALARM SYSTEM (DEFERRED SUBMITTAL)
- [ ] NOT REQUIRED
- [ ] EMERGENCY VOICE EVACUATION
- [ ] OTHER: ______
- [ ] ELEVATOR RECALL
- [ ] GAS DETECTION SYSTEM SECTION 909

HVAC & AIR DISTRIBUTION SYSTEM CONTROLS *(SECTION 907.3.1 IFC 2021)*
- [x] SMOKE DETECTORS PROVIDED TO SHUT DOWN UNITS OVER 2,000 CFM PROVIDED ON: ______
- [ ] NO HVAC UNITS OVER 2,000 CFM
- [ ] FIRE/SMOKE DAMPERS IN THE BUILDING SHOWN ON: ______
- [ ] NO FIRE/SMOKE DAMPERS IN THE BUILDING

SMOKE CONTROL SYSTEM *(SECTION 909 IFC 2021)*
- [ ] PROVIDED AS NOTED ON: ______
- [ ] NOT REQUIRED

SMOKE & HEAT VENTILATION *(SECTION 910 IFC 2021)*
- [ ] CALCULATIONS PROVIDED AS NOTED ON: ______
- [x] NOT REQUIRED

ENHANCED RESPONDER COMMUNICATIONS COVERAGE SYSTEM (ERCCS) *(SECTION 510 HC AMENDMENTS)*
- [ ] PROVIDED AS NOTED ON: ______
- [x] NOT REQUIRED

5 FIRE-RESISTANCE RATE CONSTRUCTION

CHAPTERS 6, 7 AND 10 IBC 2021

*Provide section details on the plans showing compliance for any proposed fire rated construction (walls, partitions, floors, roof, etc.).
*Please reference and provide standard for the rated design.

FIRE-RESISTANCE RATING REQUIREMENTS *TABLE 601 & PROPOSED OR REQUIRED CONSTRUCTION PER IBC 2021*

BUILDING ELEMENTS	HOURS REQUIRED	HOURS PROVIDED	UL OR IBC STANDARD USED & DESIGN DETAIL SHOWN ON
STRUCTURAL FRAME	2	2	CODE1.5
EXTERIOR BEARING WALLS	2	2	CODE1.5
EXTERIOR NON-BEARING WALLS	0	0	N/A
INTERIOR BEARING WALLS	2	2	CODE1.5
INTERIOR NON-BEARING WALLS	0	0	N/A
FLOOR CONSTRUCTION	N/A	N/A	N/A
ROOF CONSTRUCTION	1	1	CODE1.5
STAIRWELLS *(SECTION 1023)*	N/A	N/A	N/A
ELEVATOR SHAFTS *(SECTION 713)*	N/A	N/A	N/A
CORRIDORS *(SECTION 1020)*	0	0	N/A
FIRE RATED DOORS *(TABLE 716.1(2))*	90 MIN, 60 MIN.	90 MIN, 60 MIN	N/A
DEMISING/PARTITION WALL *(SECTION 708)*	N/A	N/A	N/A
FIRE BARRIER *(SECTION 707)*	N/A	N/A	N/A
FIRE WALL *(SECTION 706)*	N/A	N/A	N/A

DRAFTSTOPS: [ ] YES, SHOWN ON: ______ [ ] NO (SPRINKLED ATTIC) [x] N/A *(SECTION 718.4)*

FIRE SEPARATION DISTANCE (FEET) *(SECTION 602 IBC 2021)*	NORTH	SOUTH	EAST	WEST
	>30'	>30'	>30'	>30'

ROOF COVERING CLASSIFICATION PROVIDED: A [x] B [ ] C [ ] *(TABLE 1505.1 IBC 2021)*

6 WATER SUPPLY (FOR FIREFIGHTING)

CHAPTER 5, APPENDIX B & C IFC 2018

202,495 SF GROSS SIZE OF BUILDING IN SQUARE FEET *(INCLUDE ALL OVERHANGS UNDER ROOF)*

PUBLIC WATER SUPPLY WITH FIRE HYDRANTS
(FOR PROPOSED AND EXISTING FIRE HYDRANTS ONLY)

NAME OF THE MUNICIPAL UTILITY DISTRICT: WEST HARRIS COUNTY MUD NO. 10

NUMBER OF HYDRANTS WITHIN 400 FT (NON-SPRINKLED) OR 600 FT (SPRINKLED) OF BUILDING: 5, SHOWN ON: A11.11

REQUIRED GPM: 1,188 GPM DURATION: 4 HOURS *(TABLE B105.1(2) IFC 2021)*

75% REDUCTION? YES [x] NO [ ] *(MUST MAINTAIN MINIMUM PER TABLE B105.2 IFC 2021)*

OR

WATER SOURCE FOR RURAL AREAS WITHOUT FIRE HYDRANTS
- [ ] ***DRY HYDRANT
- [ ] ABOVEGROUND STORAGE
- [ ] UNDERGROUND STORAGE
- [ ] OTHER: ______
- [ ] PRIVATE HYDRANT

DESIGN SPECIFICATIONS AND LOCATIONS SHOULD MEET MINIMUM REQUIRED WATER SUPPLY IN ACCORDANCE WITH SECTION B103.3 IN THE HARRIS COUNTY FIRE CODE. THE FIRE CODE OFFICIAL IS AUTHORIZED TO UTILIZE NFPA 1142 OR THE INTERNATIONAL WILDLAND-URBAN INTERFACE CODE.

7 FIRE LANE ACCESS

CHAPTER 5, APPENDIX D IFC 2021

FIRE LANE LAYOUT PLAN, WHICH SHALL INCLUDE THE SITE PLAN, THE FIRE LANE & FIRE HYDRANTS, IS SHOWN ON: A11.11. *(HIGHLIGHT THE FIRE HYDRANT LOCATIONS ON THE PLANS)* AERIAL ACCESS LAYOUT, FOR BUILDINGS OVER 30 FT, IS SHOWN ON: N/A.

FIRE LANES WILL BE APPROVED CONCEPTUALLY DURING THE CIVIL REVIEW PROCESS. HOWEVER, THE FIRE CODE PLAN REVIEWER MAY CHANGE THE FIRE LANE LAYOUT BASED ON THE BUILDING SPECIFICATIONS.

- [x] GATES AND BARRICADES ACROSS THE FIRE ACCESS ROAD
  PROPERTIES WITH FENCE AND GATES SHALL PROVIDE A 911 KEY BOX AT ENTRY GATE.

8 INTERIOR FINISH

CHAPTER 8, TABLE 803.13 IBC 2021

OCCUPANCY GROUP	EXIT ENCLOSURES AND EXIT PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES	SHEET #
E	B	C	C	RE: SPECS

9 STORAGE: STANDARD

YES [x] NO [ ] PRODUCTS BEING STORED: BOOKS, GENERAL SCHOOL SUPPLIES

YES [x] NO [ ] STORAGE METHOD *(I.E. RACKS, PALLETS ON FLOOR, ETC.)*: SHELVES (FURNITURE)
STORAGE LAYOUT SHOWN ON: N/A

YES [x] NO [ ] MAXIMUM HEIGHT STORAGE: 7 FEET

10 STORAGE: HIGH PILED

CHAPTER 32 IFC 2021 - SEE ALSO SECTION 3201.3 & HC AMENDMENTS IFC 2021
*****DEFERRED SUBMITTAL THAT MUST BE SUBMITTED WITHIN 180 DAYS OF ORIGINAL PERMITTING.***

YES [ ] NO [x] PRODUCTS BEING STORED: ______

YES [ ] NO [x] STORAGE PACKAGING *(I.E. PALLETS, RACKS, SOLID PILED, DRUMS, CARDBOARD BOXES, WRAPPED IN PLASTIC, ETC.)*: ______

YES [ ] NO [x] MAXIMUM HEIGHT OF COMMODITY: ______

YES [ ] NO [x] ***THIS BUILDING IS DESIGNED FOR THE INTENT OF HIGH PILED STORAGE. IF YES, THEN PROVIDE HIGH PILED STORAGE FORM FOUND ON HC WEBSITE

YES [ ] NO [x] FIRE DEPARTMENT ACCESS DOORS

YES [ ] NO [x] HIGH PILED STORAGE RACK LAYOUT/ELEVATIONS, CODE ANALYSIS, ETC. SHOWN ON: ______

11 HAZARDOUS MATERIALS

**CHAPTER 50 IFC 2021 - SEE ALSO SECTION 5001.7 HC AMENDMENTS IFC 2021
HMIS FORM FOUND ON HC WEBSITE.**

YES [ ] NO [x] DOES THE BUILDING HAVE HAZARDOUS MATERIAL USE OR STORAGE? IF YES, THEN PROVIDE ALL HMIS SUMMARY AND MSDS REPORTS.

YES [ ] NO [x] IF YES, DO THE QUANTITIES EXCEED THE MAXIMUM ALLOWABLE PER IFC 2021?

IF YES, YOU WILL BE REQUIRED TO PROVIDE THE FOLLOWING:
CODE ANALYSIS BY FIRE PROTECTION ENGINEER TO SHOW COMPLIANCE WITH IFC 2021.
CODES AND REFERENCED STANDARDS SHOWN ON SHEET(S) ______

12 SPECIAL CONDITIONS

YES [ ] NO [x] ATRIUM(S) SECTION 404 IBC 2021

YES [ ] NO [x] HIGH RISE BLDG SECTION 403 IBC 2021 & 914.3 IFC 2021

YES [ ] NO [x] ANY FUEL STORAGE TANKS CHAPTERS 23, 50, 57 IFC 2021

YES [ ] NO [x] CRITICAL FACILITIES (HARRIS COUNTY SECTION 1203.2.20 HC AMENDMENTS IFC 2021)

YES [ ] NO [x] COMPRESSED GASES CHAPTERS 53,58 IFC 2021

YES [ ] NO [x] CRYOGENIC FLUIDS CHAPTER 55 IFC 2021

YES [ ] NO [x] FLAMMABLE & COMBUSTIBLE LIQUIDS CHAPTERS 50 & 57 IFC 2021

YES [x] NO [ ] PAINT SPRAY BOOTHS, COATINGS, DIPPING OR INDUSTRIAL OVENS USED CHAPTERS 24 & 30 IFC 2021

YES [ ] NO [x] HEALTH DEPARTMENT APPROVAL? REQUIRED FOR ALL ESTABLISHMENTS THAT SERVE/PREPARE FOOD AND BEVERAGES FOR THE PUBLIC OR HAVE REFRIGERATED FOOD STORAGE.

YES [ ] NO [x] LP GAS CHAPTER 61 IFC 2021

YES [ ] NO [x] PROPOSING PHASED PERMITS PHASING PLAN SHOWN ON: ______

YES [ ] NO [ ] OTHER: ______

COMMENTS & NOTES

A COPY OF THESE APPROVED CONSTRUCTION PLANS MUST BE KEPT AT PROJECT SITE FOR THE FINAL INSPECTION OF THE BUILDING

PROJECT NUMBER: TBD

THE PROJECT KNOWN AS
(MUST BE THE NAME OF BUSINESS/DBA IF BUILDING IS FOR A SPECIFIC COMPANY)

CYPRESS - FAIRBANKS INDEPENDENT SCHOOL DISTRICT

COOK MIDDLE SCHOOL

WAS ACCEPTED BY HARRIS COUNTY FOR THE PURPOSES LISTED BELOW:

REVIEWER'S SIGNATURE BLOCK

PERMIT OFFICE

THE PROJECT WAS REVIEWED; HOWEVER, THIS DOES NOT MEAN THE ENTIRE PROJECT, INCLUDING ALL SUPPORTING DATA AND CALCULATIONS HAVE BEEN COMPLETELY CHECKED AND VERIFIED. THESE DRAWINGS ARE SIGNED, DATED AND SEALED BY A PROFESSIONAL ENGINEER / ARCHITECT LICENSED TO PRACTICE IN THE STATE OF TEXAS, WHICH THEREFORE CONVEYS THE PROFESSIONAL'S RESPONSIBILITY AND ACCOUNTABILITY. THIS ACCEPTANCE DOES NOT RELIEVE ANY PARTY FROM COMPLYING WITH ANY OTHER LEGALLY ADOPTED REGULATION OR ORDINANCE RELATED TO DEVELOPMENT.

HCED REVIEW:

CERTIFICATION

I, RUDOLPH STARKS, A LICENSED PROFESSIONAL ENGINEER/ARCHITECT IN THE STATE OF TEXAS DO HEREBY CERTIFY THAT THE INFORMATION PRESENTED ON THIS SHEET IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I AM/AM NOT A DESIGNER OF RECORD FOR THIS PROJECT. THE PROJECT CONSISTS OF DRAWING SHEETS COVER THROUGH TR17.01. ENGINEERING FIRM VLK ARCHITECTS FIRM# BR-2829

SEAL SIGNATURE DATE

REVISIONS (DO NOT USE THIS BLOCK UNTIL AFTER PERMIT IS ISSUED)

DATE	SHEET NO.(S)	DESCRIPTION	REVIEWER

HARRIS COUNTY (IFC & IBC 2021)

FIRE CODE DESIGN AND COMPLIANCE REVIEW SHEET VERSION 9.0 (JAN 2025)

FIRE CODE REVIEW

SHEET NUMBER 1 OF 2

VLK | ARCHITECTS

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT RUDOLPH STARKS 24202 STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

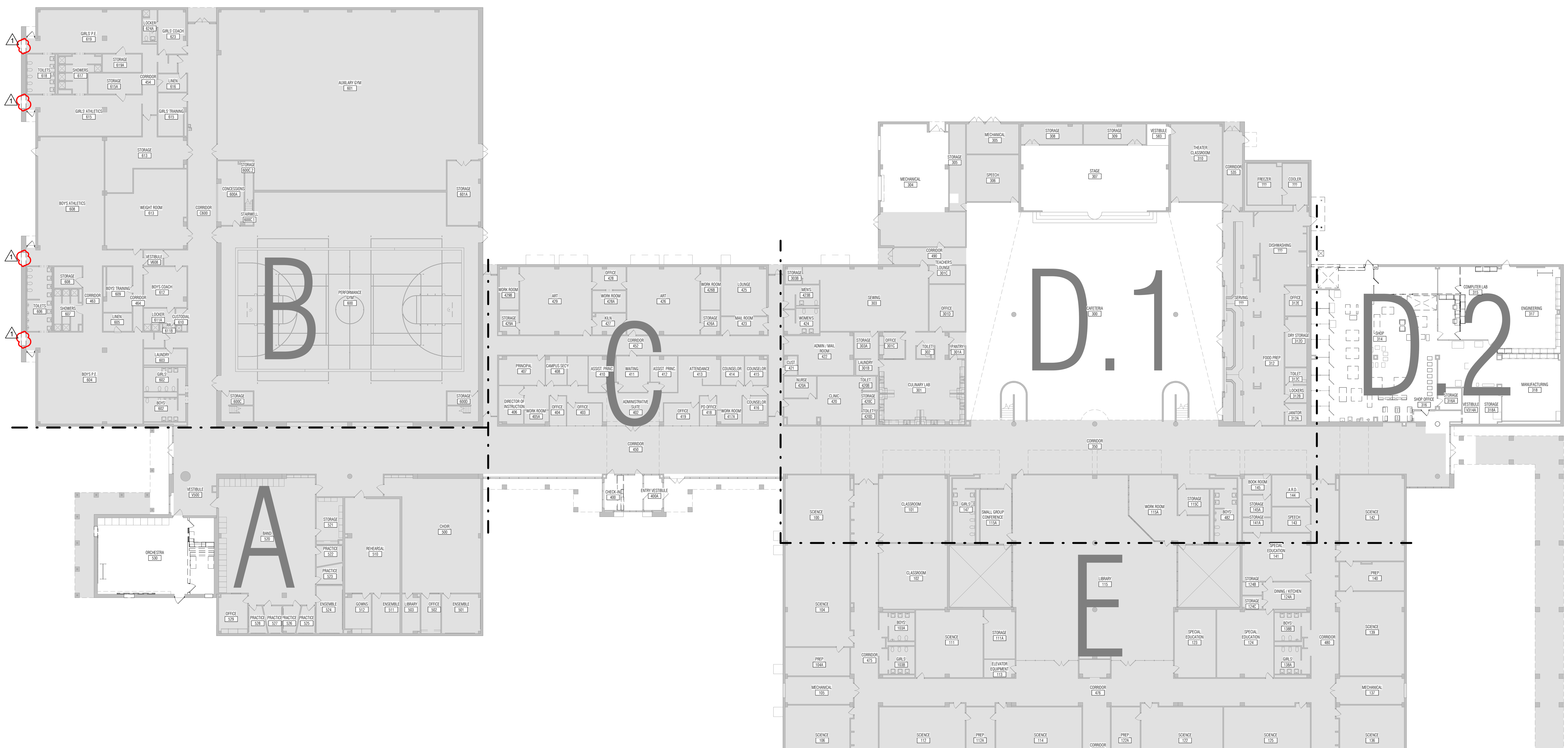
Revision No.		Revision Date
1	Addendum 1	03-06-2025

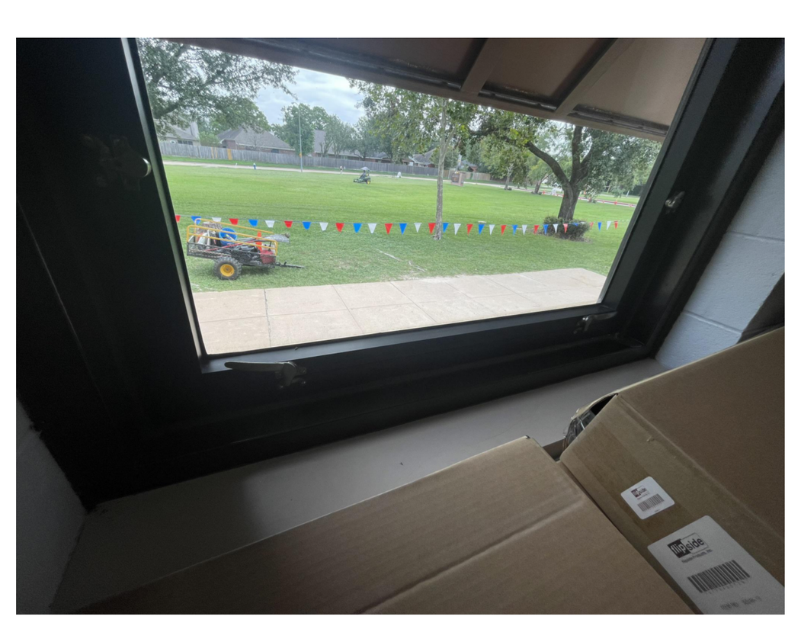
Director RSJ
Drawn By STH
Designer
Quality Control
Proj. Arch. TQ

PROJECT NO. 24-010.00

SHEET TITLE: COOK - FIRE CODE REVIEW - MAIN BUILDING

SHEET NO. CODE1.3





TRUE NORTH

1 ORIENTATION DEMOLITION PLAN - LEVEL ONE
SCALE: 3/64" = 1'-0"

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
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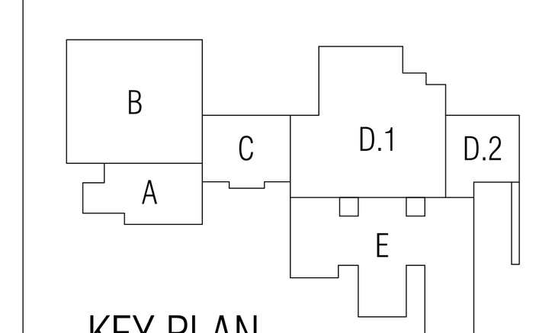


KEY PLAN

03/06/2025

ISSUED: February 24, 2025

REVISIONS

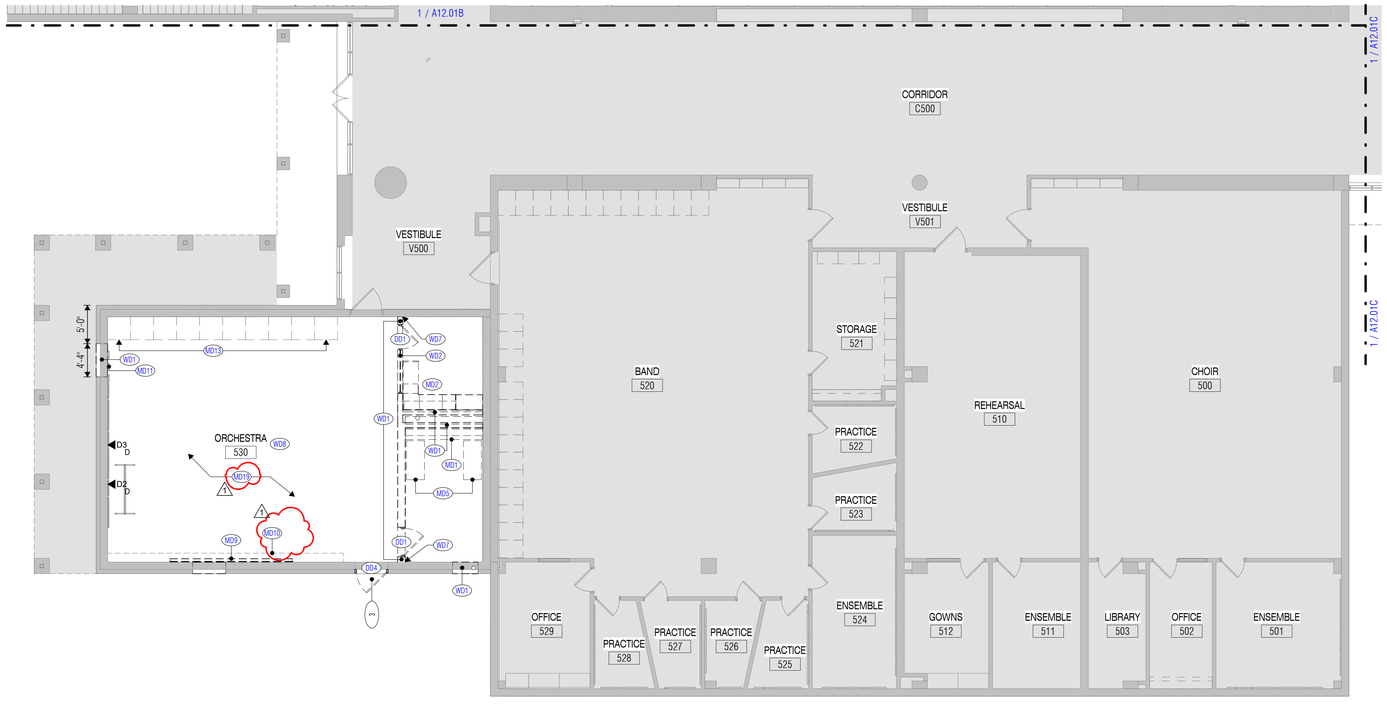
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

PROJECT NO.
24-010.00

SHEET TITLE
COOK - ORIENTATION DEMOLITION PLAN - LEVEL ONE

SHEET NO.
A12.01



1 UNIT "A" DEMOLITION PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. Drawings show the general extent of demolition work, however it is impractical to indicate or note every item of demolition. Any items shown dashed are to be removed to make way for new construction, unless noted otherwise. Contractor shall notify Architect of any discrepencies between demolition and construction drawings prior to demolition.
2. Removal of any asbestos containing materials within the area of work shall be included in the Contractor's scope. Refer to asbestos abatement report and requirements.
3. Contractor shall protect existing items to remain from damage throughout all phases of the project. Contractor shall repair, at no cost to the owner, any damages they incur on the existing building and site not scheduled for alteration, as a result of construction activities. Contractor shall provide video documentation of existing conditions prior to start of construction and provide video to Architect.
4. Contractor to notify Architect if items shown as existing to remain need to be removed to make way for new work. Contractor is responsible for removing said items, unless noted otherwise, including but not limited to: furniture, equipment, shelving, fixtures, utilities, etc. Contractor shall carefully remove, protect, and reinstall items back to their original positions and make all original connections, when work in the affected area is complete. Any item damaged as a result of construction activity shall be replaced at Contractors expense. This note shall apply to all areas with construction activity.
5. Refer to Civil, MEPT, and Structural drawings for additional demolition scope.
6. Patch/repair ceilings, walls, and flooring to match existing at all removed or demolished doors, windows, walls, millwork, lockers, and similar items. Refer to SECTION 01 36 13 for additional information regarding patch and repair.

DEMOLITION LEGEND

ITEMS TO BE DEMOLISHED

EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

MAJOR ARCHITECTURAL WORK REQUIRED IN THIS AREA

KEYNOTE LEGEND

DD1	REMOVE AND PROPERLY DISPOSE OF DOOR, HARDWARE, AND FRAME. PREPARE AREA TO RECEIVE NEW CONSTRUCTION.
DD4	CAREFULLY REMOVE AND PROTECT DOOR LEAF AND HARDWARE TO BE MOVED TO NEW LOCATION. PRESERVE EXISTING ROUGH OPENING TO RECIEVE NEW DOOR.
MD1	REMOVE AND PROPERLY DISPOSE SHELF AND RODS. PREPARE AREA TO RECIEVE NEW CONSTRUCTIONS.
MD2	REMOVE AND PROPERLY DISPOSE CASEWORK. PREPARE AREA FOR NEW CONSTRUCTION.
MD5	REMOVE AND PROTECT INTRUMENT STORAGE RACK. PREPARE FOR RELOCATION. RE: RESPECTIVE UNIT RENOVATION PLAN FOR NEW LOCATION.
MD9	REMOVE AND PROTECT EXISTING MARKERBOARD/TACKBOARD PRIOR TO START OF CONSTRUCTION. RE: RESPECTIVE UNIT RENOVATION PLAN FOR NEW LOCATION.
MD10	REMOVE AND PROPERLY DISPOSE OF EXISTING TROPHY SHELF. CLEAN PATCH AND PREPARE SURFACE FOR NEW CONSTRUCTION.
MD11	REMOVE BOTTOM TWO ACOUSTIC PANELS IN PREPARATION FOR NEW DOOR IN THIS LOCATION.
MD13	PROTECT EXISTING CASEWORK TO REMAIN. RE: GENERAL NOTE.
MD19	CAREFULLY REMOVE STORE AND PROTECT ACOUSTIC PANELS. PREPARE AREA FOR NEW CONSTRUCTION.
WD1	CAREFULLY REMOVE AND PROPERLY DISPOSE OF WALL AS SHOWN IN DASHED LINES. CLEAN AND PREPARE AREA FOR NEW CONSTRUCTION. CAP AND ABANDON ALL EXISTING UTILITIES IN WALL. RE: MEP DRAWINGS FOR ADDITIONAL INFORMATION.
WD2	CAREFULLY REMOVE AND PROPERLY DISPOSE OF STOREFRONT SYSTEM. CLEAN AND PREPARE AREA FOR NEW CONSTRUCTION.
WD7	PROTECT REMAINING WALL IN PLACE THROUGHOUT CONSTRCTION. PATCH AND REPAIR TO LIKE NEW CONDITION.
WD8	RELOCATE ALL UTILITES IN THE AREA OF THE PROPOSED OPENINGS OR WALL REMOVAL AS IT APPLIES TO COMPLETE WORK. REF: MEP DRAWINGS FOR UTILITIES NOT SCHEDULED FOR REUSE.

VLK|ARCHITECTS

ARCHITECT
VLK Architects
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HOUSTON, TEXAS

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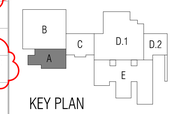


KEY PLAN

03/06/2025

ISSUED: February 24, 2025

REVISIONS

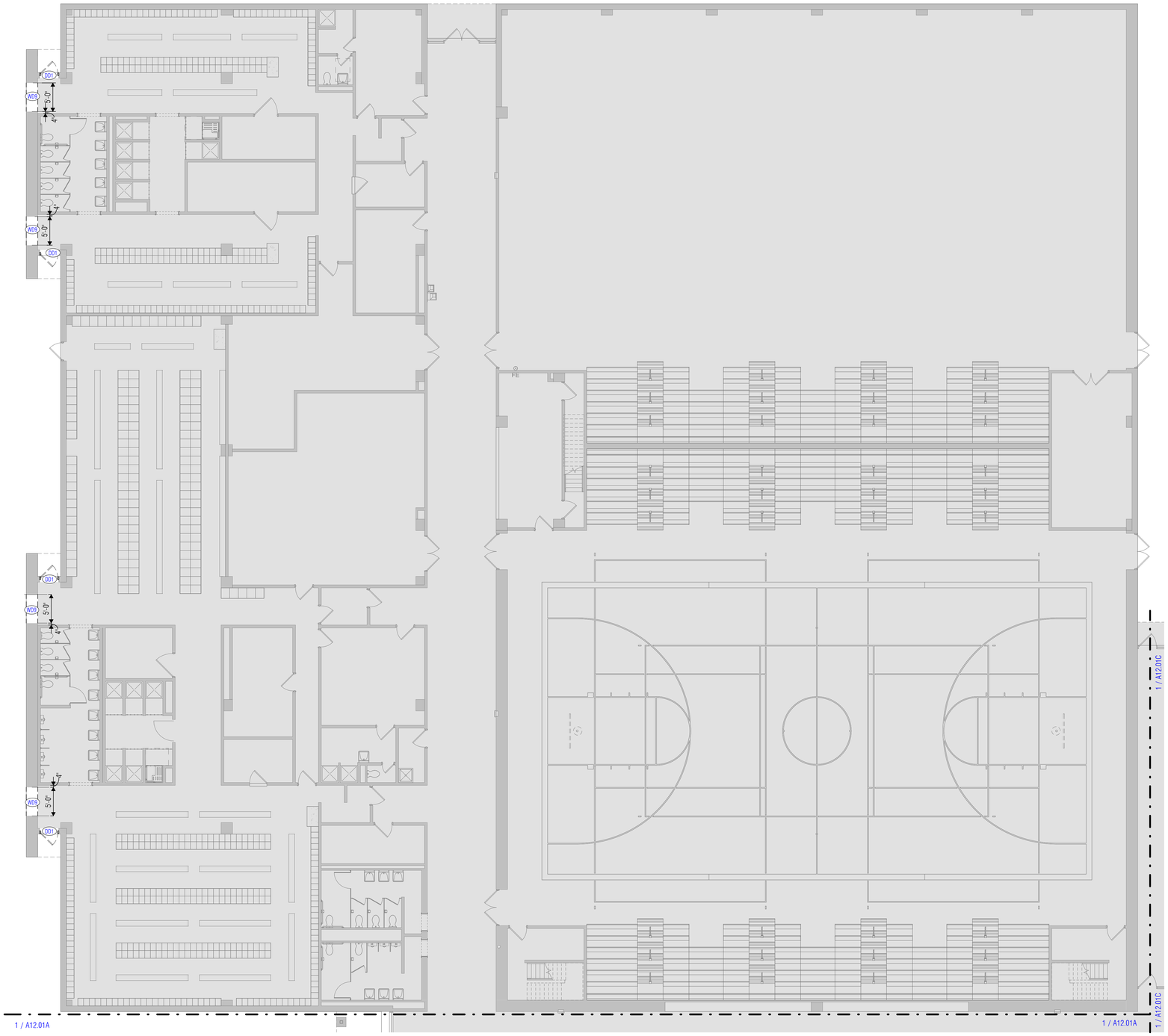
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
Approver	STH, KM
Designer	Quality Control
Designer	
Proj. Arch.	
Checker	

PROJECT NO.
24-010.00

SHEET TITLE
COOK - UNIT A DEMOLITION PLAN - LEVEL ONE

SHEET NO.
A12.01A



1 UNIT "B" DEMOLITION PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. Drawings show the general extent of demolition work, however it is impractical to indicate or note every item of demolition. Any items shown dashed are to be removed to make way for new construction, unless noted otherwise. Contractor shall notify Architect of any discrepencies between demolition and construction drawings prior to demolition.
2. Removal of any asbestos containing materials within the area of work shall be included in the Contractor's scope. Refer to asbestos abatement report and requirements.
3. Contractor shall protect existing items to remain from damage throughout all phases of the project. Contractor shall repair, at no cost to the owner, any damages they incur on the existing building and site not scheduled for alteration, as a result of construction activities. Contractor shall provide video documentation of existing conditions prior to start of construction and provide video to Architect.
4. Contractor to notify Architect if items shown as existing to remain need to be removed to make way for new work. Contractor is responsible for removing said items, unless noted otherwise, including but not limited to: furniture, equipment, shelving, fixtures, utilities, etc. Contractor shall carefully remove, protect, and reinstall items back to their original positions and make all original connections, when work in the affected area is complete. Any item damaged as a result of construction activity shall be replaced at Contractor's expense. This note shall apply to all areas with construction activity.
5. Refer to Civil, MEPT, and Structural drawings for additional demolition scope.
6. Patch/repair ceilings, walls, and flooring to match existing at all removed or demolished doors, windows, walls, millwork, lockers, and similar items. Refer to SECTION 01 36 13 for additional information regarding patch and repair.

DEMOLITION LEGEND

= = =	ITEMS TO BE DEMOLISHED
	EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.
	MAJOR ARCHITECTURAL WORK REQUIRED IN THIS AREA

KEYNOTE LEGEND

DD1	REMOVE AND PROPERLY DISPOSE OF DOOR, HARDWARE, AND FRAME. PREPARE AREA TO RECEIVE NEW CONSTRUCTION.
WD9	CAREFULLY REMOVE AND PROPERLY DISPOSE OF WALL AS SHOWN IN DASHED LINES. CLEAN AND PREPARE AREA FOR NEW CONSTRUCTION.

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ARCHITECT

VLK Architects, Inc.
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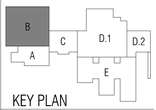


KEY PLAN

03/06/2025

ISSUED: 03/06/25

REVISIONS

Revision No.	Revision Date

Director	Drawn By
Approver	STH, KM
Designer	Quality Control
Designer	
Proj. Arch.	
Checker	

PROJECT NO.

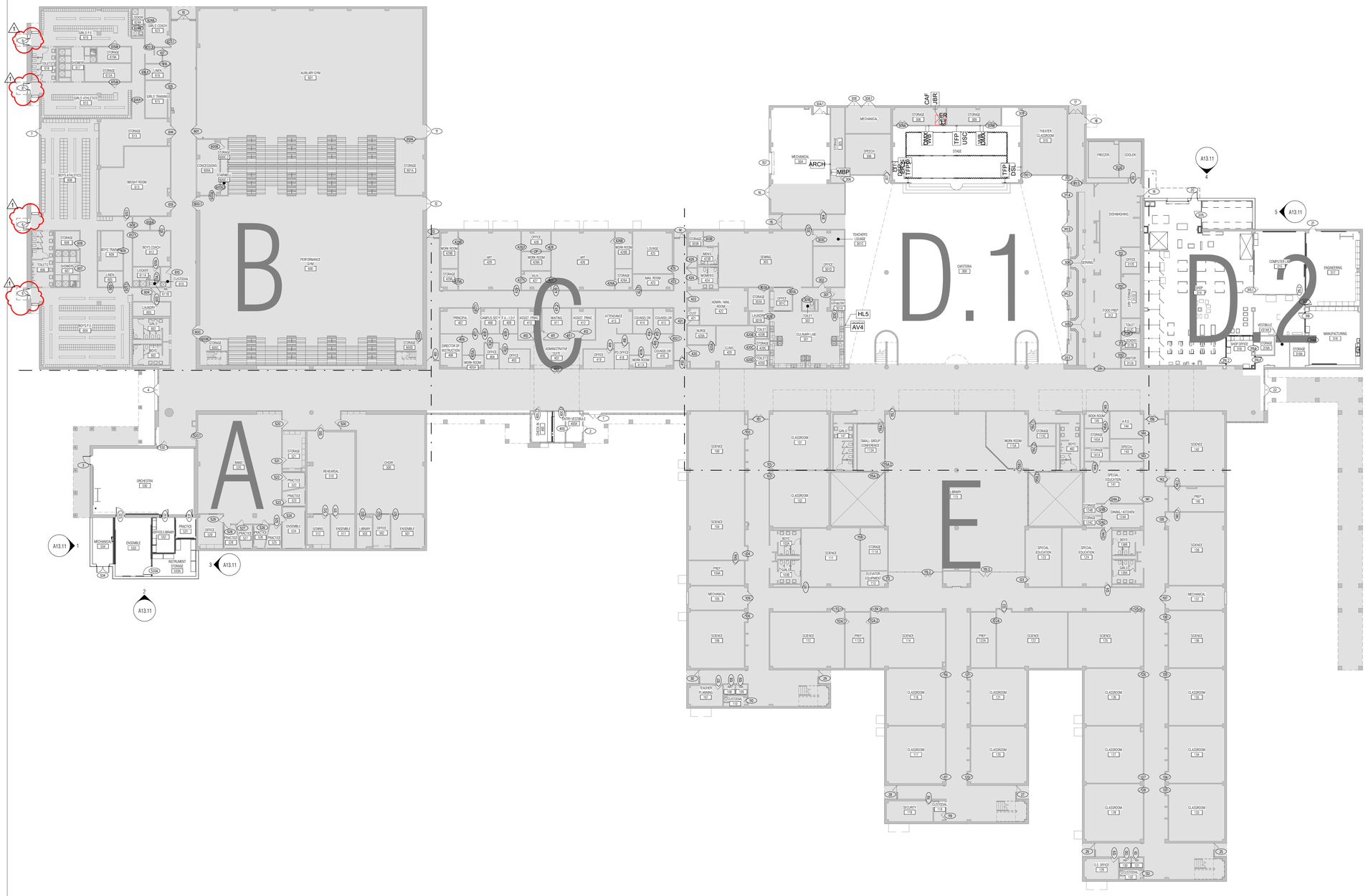
24-010.00

SHEET TITLE

COOK - UNIT B DEMOLITION PLAN - LEVEL ONE

SHEET NO.

A12.01B



1 ORIENTATION RENOVATION PLAN - LEVEL ONE
SCALE: 3/64" = 1'-0"

TRUE NORTH

VLK ARCHITECTS

ARCHITECT

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20445 State Hwy 249, Suite 350
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2024 Cook, Labay & Truitt MS Renovations

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director
RSJ

Drawn By
STH, KM

Designer

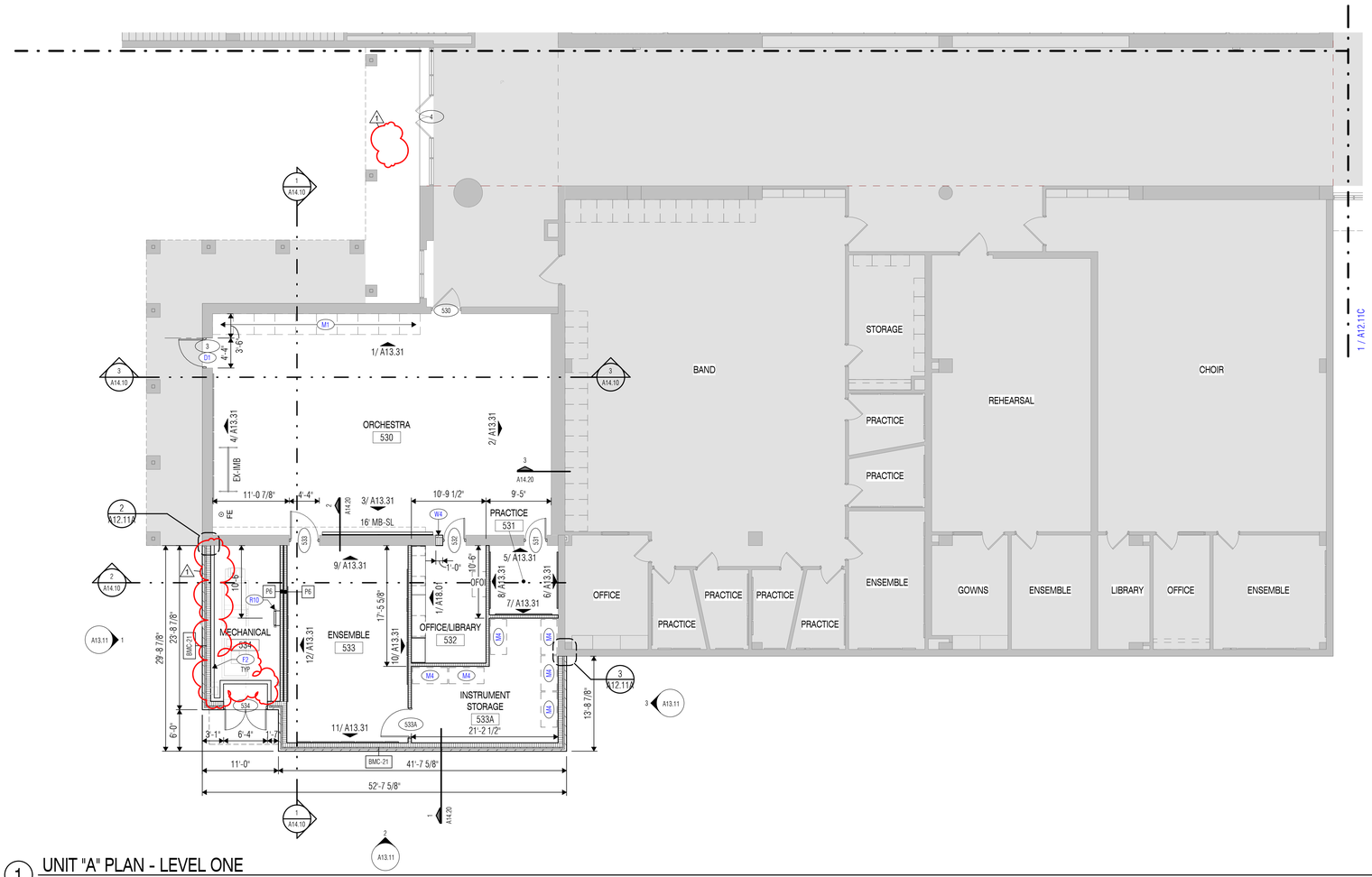
Quality Control

Proj. Arch.
TQ

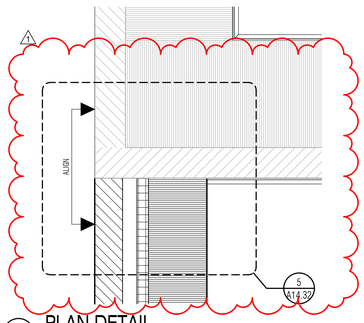
PROJECT NO.
24-010.00

SHEET TITLE
COOK - ORIENTATION FLOOR PLAN - LEVEL ONE

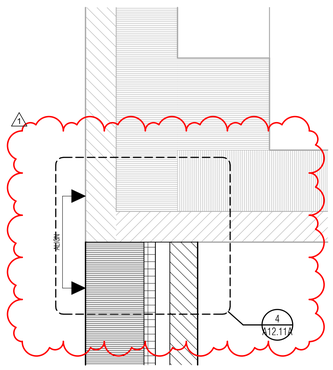
SHEET NO.
A12.11



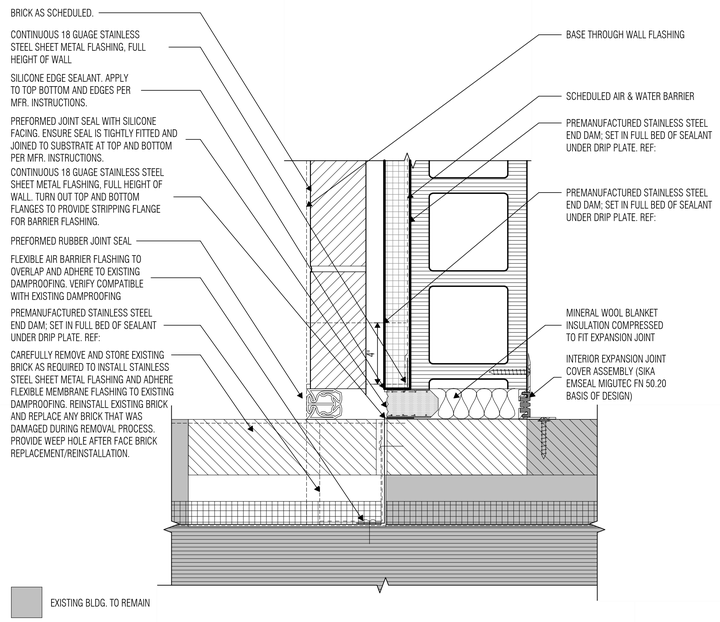
1 UNIT "A" PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"



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



3 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



4 EXPANSION JOINT @ EXTERIOR WALL TYP.
SCALE: 3" = 1'-0"

FLOOR PLAN NOTES

1. Refer to Civil Grading drawings for Primary Ground Level floor elevation relative to Mean Sea Level. Architectural Finish Floor (100'-0" datum) is equal to Civil FFE.
2. Dimensions on Floor Plans are to face of stud or CMU unless noted otherwise.
3. Coordinate the location of electrical devices with casework, millwork, lockers, etc. Any electrical device that is not properly coordinated shall be relocated at no additional cost.
4. Exterior wall construction is identified on the Wall Sections. Refer to the A'4-series sheets for Wall Sections, and to A14.30, A24.30, A34.30 for Exterior Wall Assemblies.
5. Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
6. Refer to PARTITION TYPES (A12.21, A22.21, A32.21) for Partition Types Legend.
7. Interior partitions are Type "P6" unless noted otherwise.
8. Refer to Detail 4/A0.31 for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
9. Refer to PARTITION DETAILS sheets for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
10. Refer to PARTITION DETAILS sheets for Typical Bracing at Non-Loadbearing CMU Partitions.
11. Refer to Exterior Elevations for exact locations of downspouts.
12. Provide factory bullnose units at all interior exposed vertical edges of CMU, except at starter course with applied base material where square-edge units shall be provided in lieu of bullnose units.
13. Provide 4" starter courses at all CMU walls and partitions unless noted otherwise.
14. Provide steel or masonry lintels over all openings in CMU walls, including those required for mechanical ductwork and dampers, whether specifically indicated on the drawings or not.
15. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
16. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
17. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
18. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
19. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to CASEWORK ELEVATIONS & DETAILS sheets for typical blocking requirements at various conditions.
20. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
21. Provide sealant and/or fire safing at all floor penetrations, as applicable.
22. Existing equipment to remain U.N.O. Contractor to relocate equipment as needed to complete new construction. Contractor shall reinstall equipment upon completion of construction. All equipment to be in as good or better working condition as prior to the start of construction.

FLOOR PLAN LEGEND

- METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Floor Plan Notes. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.
- CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.
- EXISTING WALL TO REMAIN.
- MOVEABLE METAL SHELVING. Depth and Width dimensions match that of this legend, unless otherwise noted.
- FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

MB	MARKERBOARD. Preceding number is length, in feet.
-SL	WITH HALF STAFF LINES
TB	TACKBOARD. Preceding number is length, in feet.
TS	TACK STRIP. Preceding number is length, in feet.
IM	INTERACTIVE MARKERBOARD
EX-	EXISTING
IFP	INTERACTIVE FLAT PANEL
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
FHC	FIRE HOSE CABINET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
DS	DOWNSPOUT

KEYNOTE LEGEND

D1	RELOCATED DOOR.
F2	CONTINUE CURB AROUND MECH ROOM DOOR. SIZE OF CURB TO MATCH ADJACENT PARTITION CURB. RE: STRUC.
M1	CASEWORK EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION PHASES. CONTRACTOR TO REPAIR ANY DAMAGE INCURRED DURING CONSTRUCTION.
M4	RELOCATED INSTRUMENT STORAGE RACK.
R10	WALL-MOUNTED ROOF LADDER WITH SAFETY POST.
W4	INFILL OPENING TO MATCH EXISTING WALL DEPTH AND CONSTRUCTION.

VLK|ARCHITECTS

ARCHITECT
VLK Architects
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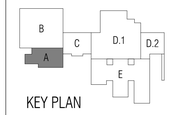
CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

KEY PLAN



03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 1	03-06-2025

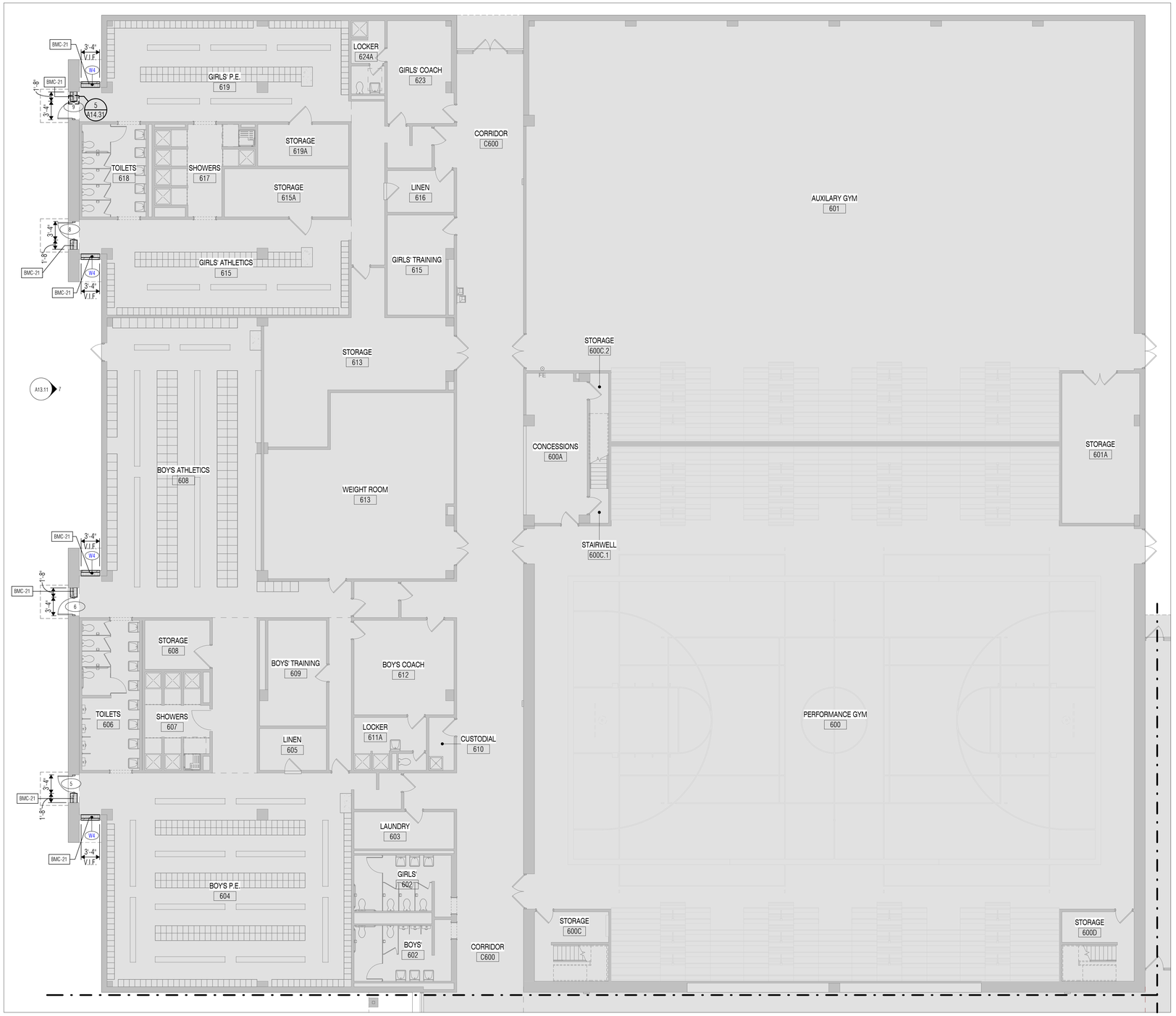
Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch.	
TQ	

PROJECT NO.
24-010.00

SHEET TITLE
COOK - UNIT A FLOOR PLAN - LEVEL ONE

SHEET NO.
A12.11A

2024 Cook, Labay & Truitt MS Renovations



1 UNIT "B" PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

FLOOR PLAN NOTES

1. Refer to Civil Grading drawings for Primary Ground Level floor elevation relative to Mean Sea Level. Architectural Finish Floor (100'-0" datum) is equal to Civil FFE.
2. Dimensions on Floor Plans are to face of stud or CMU unless noted otherwise.
3. Coordinate the location of electrical devices with casework, millwork, lockers, etc. Any electrical device that is not properly coordinated shall be relocated at no additional cost.
4. Exterior wall construction is identified on the Wall Sections. Refer to the A' 4-series sheets for Wall Sections, and to A14.30, A24.30, A34.30 for Exterior Wall Assemblies.
5. Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
6. Refer to PARTITION TYPES (A12.21, A22.21, A32.21) for Partition Types Legend.
7. Interior partitions are Type "P6" unless noted otherwise.
8. Refer to Detail 4/A0.31 for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
9. Refer to PARTITION DETAILS sheets for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
10. Refer to PARTITION DETAILS sheets for Typical Bracing at Non-Loadbearing CMU Partitions.
11. Refer to Exterior Elevations for exact locations of downspouts.
12. Provide factory bullnose units at all interior exposed vertical edges of CMU, except at starter course with applied base material where square-edge units shall be provided in lieu of bullnose units.
13. Provide 4" starter courses at all CMU walls and partitions unless noted otherwise.
14. Provide steel or masonry lintels over all openings in CMU walls, including those required for mechanical ductwork and dampers, whether specifically indicated on the drawings or not.
15. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
16. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
17. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
18. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
19. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to CASEWORK ELEVATIONS & DETAILS sheets for typical blocking requirements at various conditions.
20. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
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22. Existing equipment to remain U.N.O. Contractor to relocate equipment as needed to complete new construction. Contractor shall reinstall equipment upon completion of construction. All equipment to be in as good or better working condition as prior to the start of construction.

FLOOR PLAN LEGEND

- METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Floor Plan Notes. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.
- CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.
- EXISTING WALL TO REMAIN.
- MOVEABLE METAL SHELVING. Depth and Width dimensions match that of this legend, unless otherwise noted.
- FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

MB	MARKERBOARD. Preceding number is length, in feet.
-SL	WITH HALF STAFF LINES
TB	TACKBOARD. Preceding number is length, in feet.
TS	TACK STRIP. Preceding number is length, in feet.
IM	INTERACTIVE MARKERBOARD
EX-	EXISTING
IFP	INTERACTIVE FLAT PANEL
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
FHC	FIRE HOSE CABINET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
DS	DOWNSPOUT

KEYNOTE LEGEND

W4	INFILL OPENING TO MATCH EXISTING WALL DEPTH AND CONSTRUCTION.

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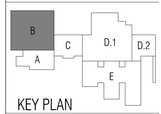
CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

KEY PLAN



03/06/2025

ISSUED: 03/06/25

REVISIONS

Revision No.	Revision Date

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch. TQ	

PROJECT NO.
24-010.00

SHEET TITLE
COOK - UNIT B FLOOR PLAN - LEVEL ONE

SHEET NO.
A12.11B

1 UNIT "C" PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

FLOOR PLAN NOTES

1. Refer to Civil Grading drawings for Primary Ground Level floor elevation relative to Mean Sea Level. Architectural Finish Floor (100'-0" datum) is equal to Civil FFE.
2. Dimensions on Floor Plans are to face of stud or CMU unless noted otherwise.
3. Coordinate the location of electrical devices with casework, millwork, lockers, etc. Any electrical device that is not properly coordinated shall be relocated at no additional cost.
4. Exterior wall construction is identified on the Wall Sections. Refer to the A'14-series sheets for Wall Sections, and to A14.30, A24.30, A34.30 for Exterior Wall Assemblies.
5. Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
6. Refer to PARTITION TYPES (A12.21, A22.21, A32.21) for Partition Types Legend.
7. Interior partitions are Type "P6" unless noted otherwise.
8. Refer to Detail 4/A0.31 for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
9. Refer to PARTITION DETAILS sheets for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
10. Refer to PARTITION DETAILS sheets for Typical Bracing at Non-Loadbearing CMU Partitions.
11. Refer to Exterior Elevations for exact locations of downspouts.
12. Provide factory bullnose units at all interior exposed vertical edges of CMU, except at starter course with applied base material where square-edge units shall be provided in lieu of bullnose units.
13. Provide 4" starter courses at all CMU walls and partitions unless noted otherwise.
14. Provide steel or masonry lintels over all openings in CMU walls, including those required for mechanical ductwork and dampers, whether specifically indicated on the drawings or not.
15. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
16. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
17. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
18. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
19. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to CASEWORK ELEVATIONS & DETAILS sheets for typical blocking requirements at various conditions.
20. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
21. Provide sealant and/or fire safing at all floor penetrations, as applicable.
22. Existing equipment to remain U.N.O. Contractor to relocate equipment as needed to complete new construction. Contractor shall reinstall equipment upon completion of construction. All equipment to be in as good or better working condition as prior to the start of construction.

FLOOR PLAN LEGEND

METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Floor Plan Notes. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

EXISTING WALL TO REMAIN.

WIDTH / DEPTH — MOVEABLE METAL SHELVING. Depth and Width dimensions match that of this legend, unless otherwise noted.

FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

MB	MARKERBOARD. Preceding number is length, in feet.
-SL	WITH HALF STAFF LINES
TB	TACKBOARD. Preceding number is length, in feet.
TS	TACK STRIP. Preceding number is length, in feet.
IM	INTERACTIVE MARKERBOARD
EX-	EXISTING
IFP	INTERACTIVE FLAT PANEL
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
FHC	FIRE HOSE CABINET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
DS	DOWNSPOUT

KEYNOTE LEGEND

M2	NEW CASEWORK AND STOREFRONT ASSEMBLY.

VLK|ARCHITECTS

ARCHITECT

VLK Architects
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Houston, Texas 77070
Main Phone: 281.671.2300
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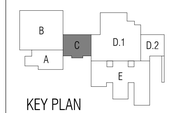
KEY PLAN



03/06/2025

ISSUED: February 24, 2025

REVISIONS

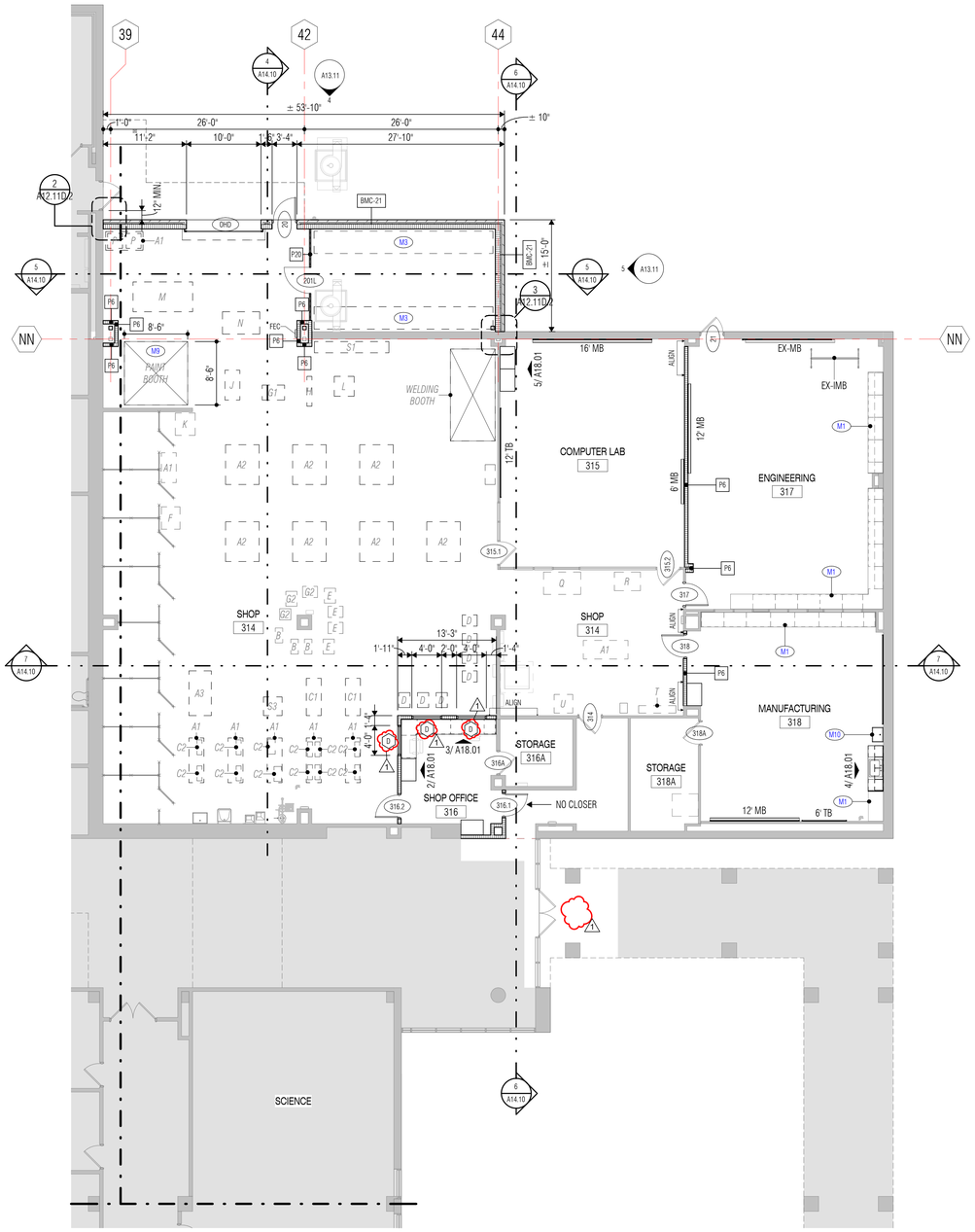
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch.	
TQ	

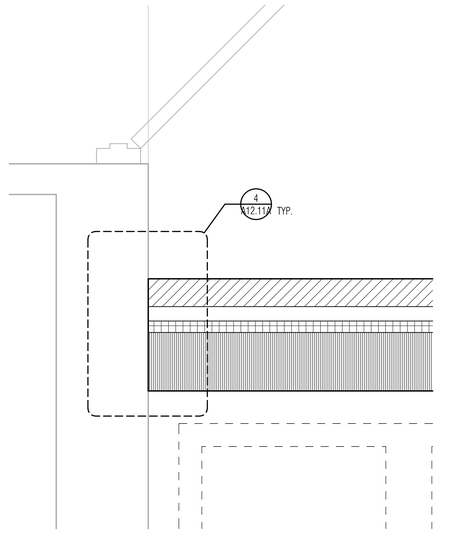
PROJECT NO.
24-010.00

SHEET TITLE
COOK - UNIT C FLOOR PLAN - LEVEL ONE

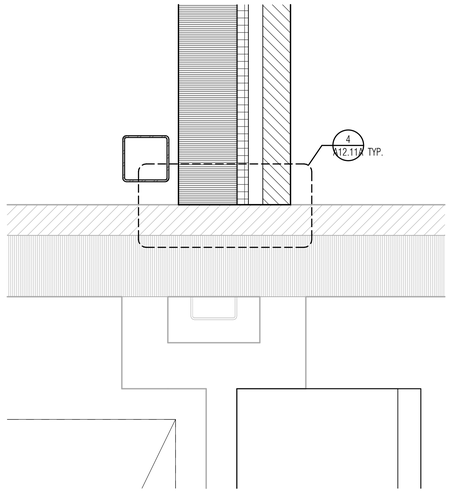
SHEET NO.
A12.11C



1 UNIT "D.2" PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"



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



3 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

SHOP EQUIPMENT - COOK

MARK	EQUIPMENT
A1	TABLE
A2	TABLE (BUTCHERBLOCK ON LOCKERS)
A3	GLUE-UP TABLE
B	DRILL PRESS
C1	LATHE (FLOOR)
C2	LATHE (TABLE)
D	SCROLL SAW
E	BAND SAW
F	SANDBLASTER
G1	SPINDLE SANDER
G2	SANDER
H	JOINTER
J	PLANER
K	HEAT TREAT OVEN
L	DRUM SANDER
M	TABLE SAW
N	SQUARING SHEARS
P	METAL MITER SAW
Q	CNC
R	LASER CUTTER
S1	METAL STORAGE RACK
S2	STORAGE CAGE (WELDING MASKS)
S3	CABINET
T	METAL BRAKE
U	CUTTING BLOCK

FLOOR PLAN NOTES

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FLOOR PLAN LEGEND

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- CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.
- EXISTING WALL TO REMAIN.
- MOVEABLE METAL SHELVING. Depth and Width dimensions match that of this legend, unless otherwise noted.
- FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

MB	MARKERBOARD. Preceding number is length, in feet.
-SL	WITH HALF STAFF LINES
TB	TACKBOARD. Preceding number is length, in feet.
TS	TACK STRIP. Preceding number is length, in feet.
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FE	FIRE EXTINGUISHER WITH BRACKET
FHC	FIRE HOSE CABINET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
DS	DOWNSPOUT

KEYNOTE LEGEND

M1	CASEWORK EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION PHASES. CONTRACTOR TO REPAIR ANY DAMAGE INCURRED DURING CONSTRUCTION.
M3	RELOCATED EXISTING MATERIAL STORAGE RACKS.
M9	NEW PAINT BOOTH AND EXHAUST SYSTEM. REF: MEP DWGS.
M10	NEW UTILITY SINK.

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Houston, Texas 77070
Main Phone: 281.671.2300
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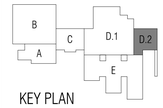
HOUSTON, TEXAS



KEY PLAN

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch.	
TQ	

PROJECT NO.

24-010.00

SHEET TITLE

COOK - UNIT D.2 FLOOR PLAN - LEVEL ONE

SHEET NO.

A12.11D.2

2024 Cook, Labay & Truitt MS Renovations

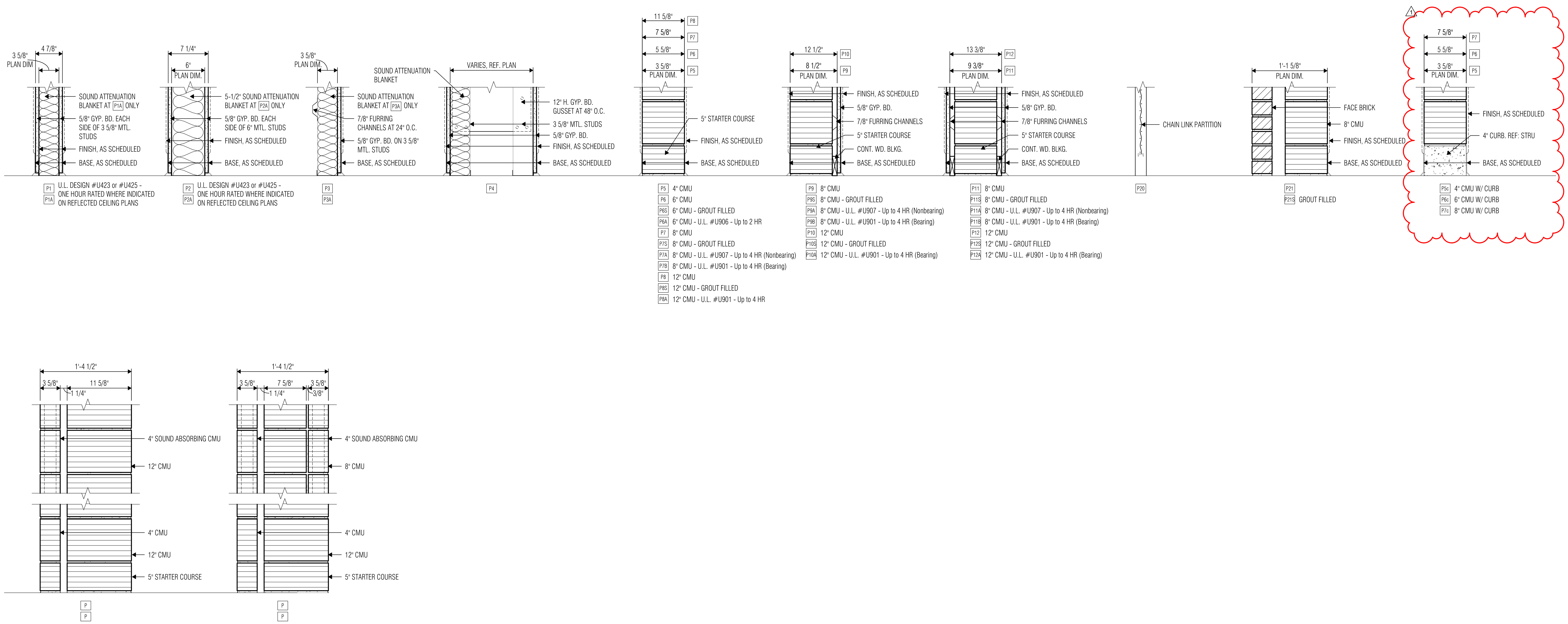
PARTITION NOTES

1. Refer to Floor Plan Notes for additional metal stud requirements at Ceramic Tile, Plaster, Anchored Masonry or Stone Veneer, and Adhered Masonry or Stone Veneer.
2. Refer to Floor Plan Notes for CMU starter course requirements.
3. Refer to Sheet A' '2.22 for typical partition details.
4. Refer to Reflected Ceiling Plans for location of fire rated partitions.
5. Refer to Reflected Ceiling Plans for location of non-rated partitions that extend to the structural deck above.
6. Provide firestopping as required to achieve the fire-resistive rating at all penetrations, gaps and other openings through or around rated floors, roofs, walls and partitions.
7. At all rated and acoustical partitions that extend to structural deck above, seal to the floor below and to the structure above. Provide firestopping at rated partitions, and acoustical sealant at acoustical and sound conditioned other partitions.
8. At all partitions that extend to structural deck above, provide gypsum board enclosure around beams, joists, ducts, etc. as required to maintain fire-resistive ratings and acoustical requirements.
9. Typical CMU notes, unless otherwise noted on structural drawings:
   A. Provide steel bracing as shown on Sheet A' '2.2__ .
   B. Provide continuous bond beam with (2) #4 reinforcing bars at top course of all 6" and 8" CMU partitions, whether indicated on details or not.
10. 4" CMU shall not be used for interior partitions, except at chase walls where specifically indicated.

STUD PARTITION SIZING SCHEDULE

STUD DEPTH	STUD SPACING	STUD GAGE	EQ STUD	MAX LENGTH	MAX LENGTH (at Tile/Plaster)
3-5/8"	16" O.C	25 (18 mils)	25EQ	15'-6"	N/A
3-5/8"	16" O.C	20 (30 mils)	20EQ	16'-0"	14'-0"
6"	16" O.C	25 (18 mils)	25EQ	21'-6"	N/A
6"	16" O.C	20 (30 mils)	20EQ	22'-6"	19'-6"

NOTES:
1. All doors shall have a minimum of 20 gage framing where required by specifications.
2. See Floor Plan Notes and Partition Notes for additional metal stud requirements at ceramic tile, plaster, anchored masonry/stone veneer, or adhered masonry/stone veneer.
3. Max. Lengths assume both sides of studs braced full-height of partition.
4. Max. Lengths are based on 5 psf lateral loading and L/240 deflection (L/360 at tile/plaster).
5. Equivalent (EQ) studs are not allowable at abuse-resistant or impact-resistant gyp board. Provide true 20 gage studs with minimum 0.0312 inches design thickness at these locations.



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

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ARCHITECT

VLK Architects
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CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT STATE OF TEXAS 24202
03/06/2025

ISSUED: February 24, 2025

REVISIONS

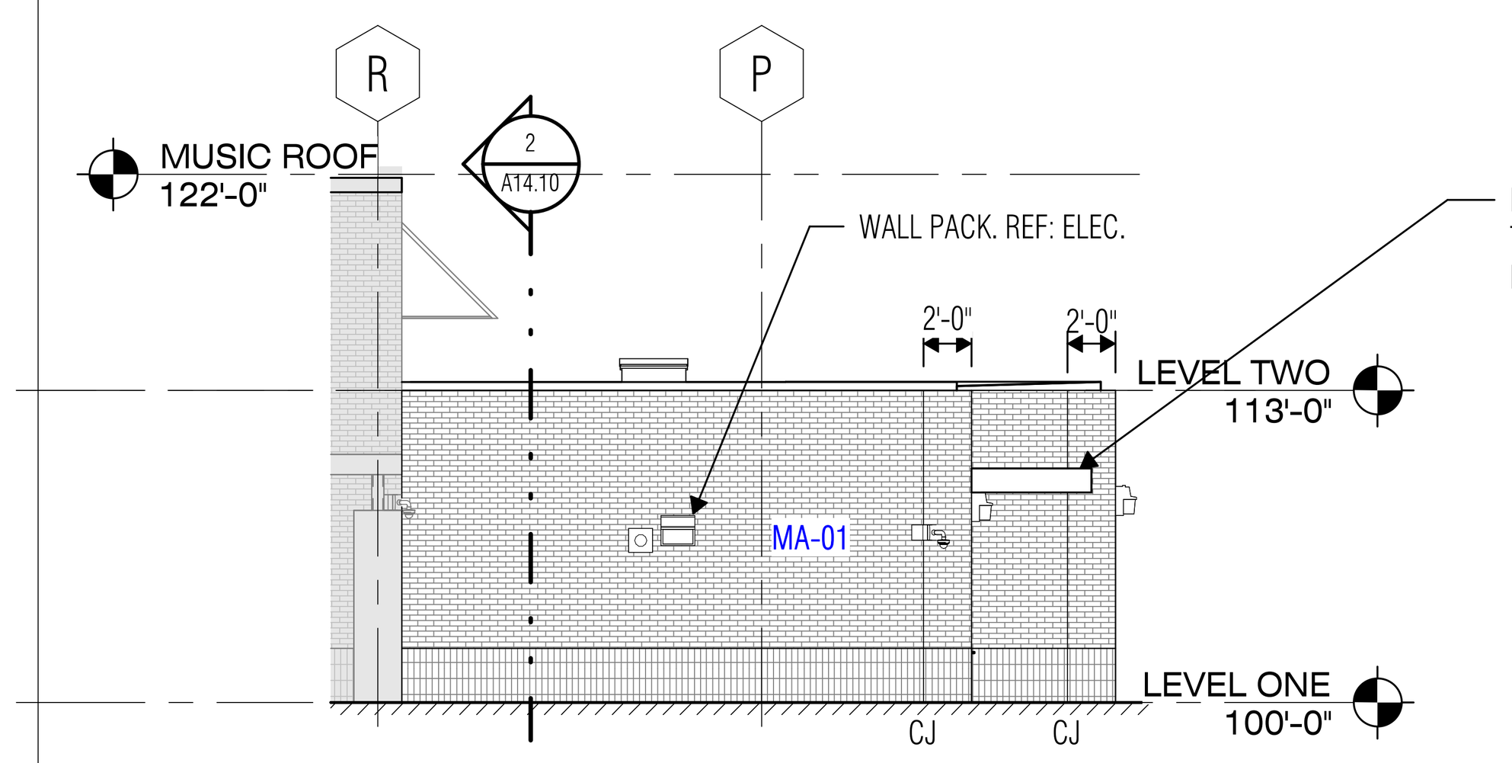
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

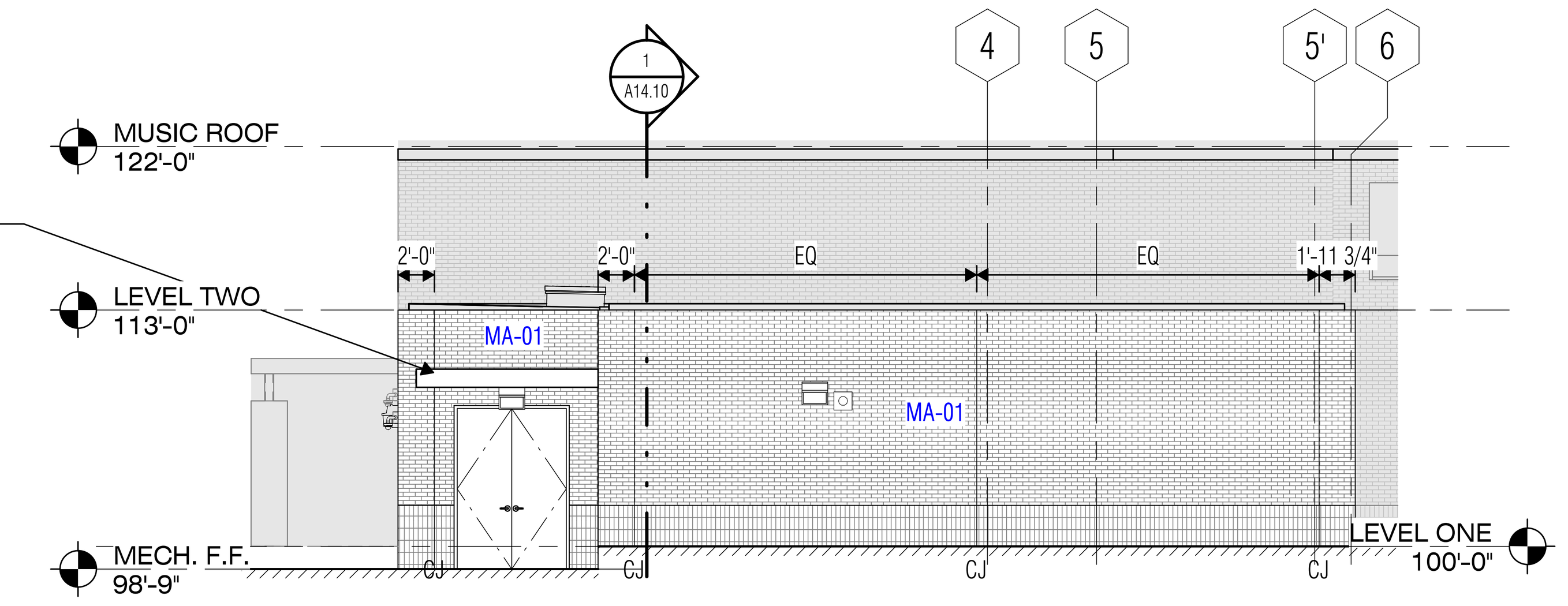
PROJECT NO.
24-010.00

SHEET TITLE
COOK - PARTITION TYPES

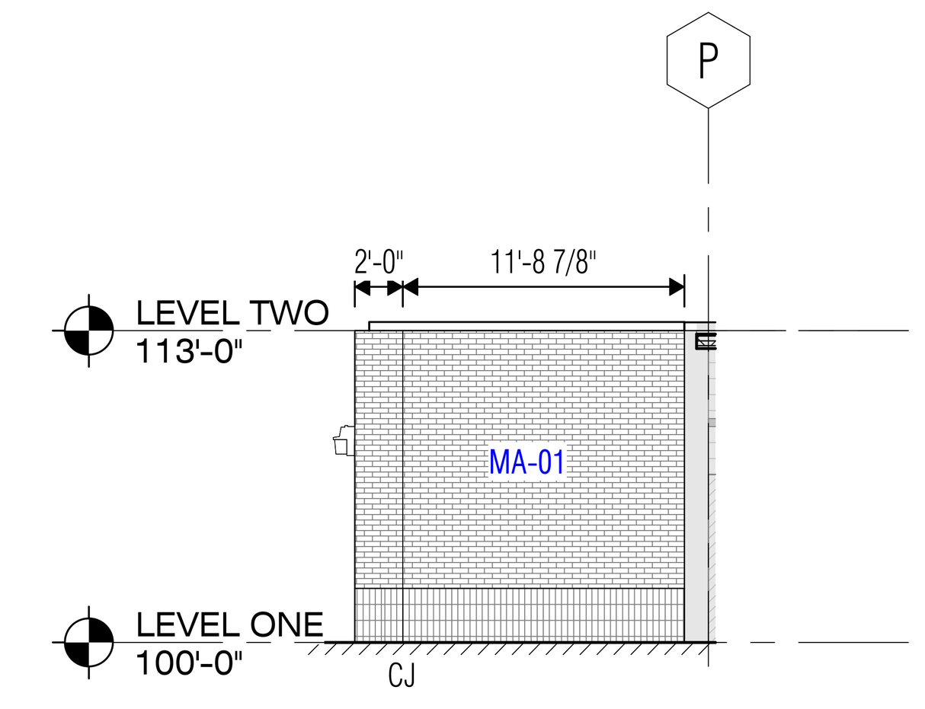
SHEET NO.
A12.21



1 ORCH. ADDITION - SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



2 ORCH. ADDITION - EAST ELEVATION
SCALE: 1/8" = 1'-0"



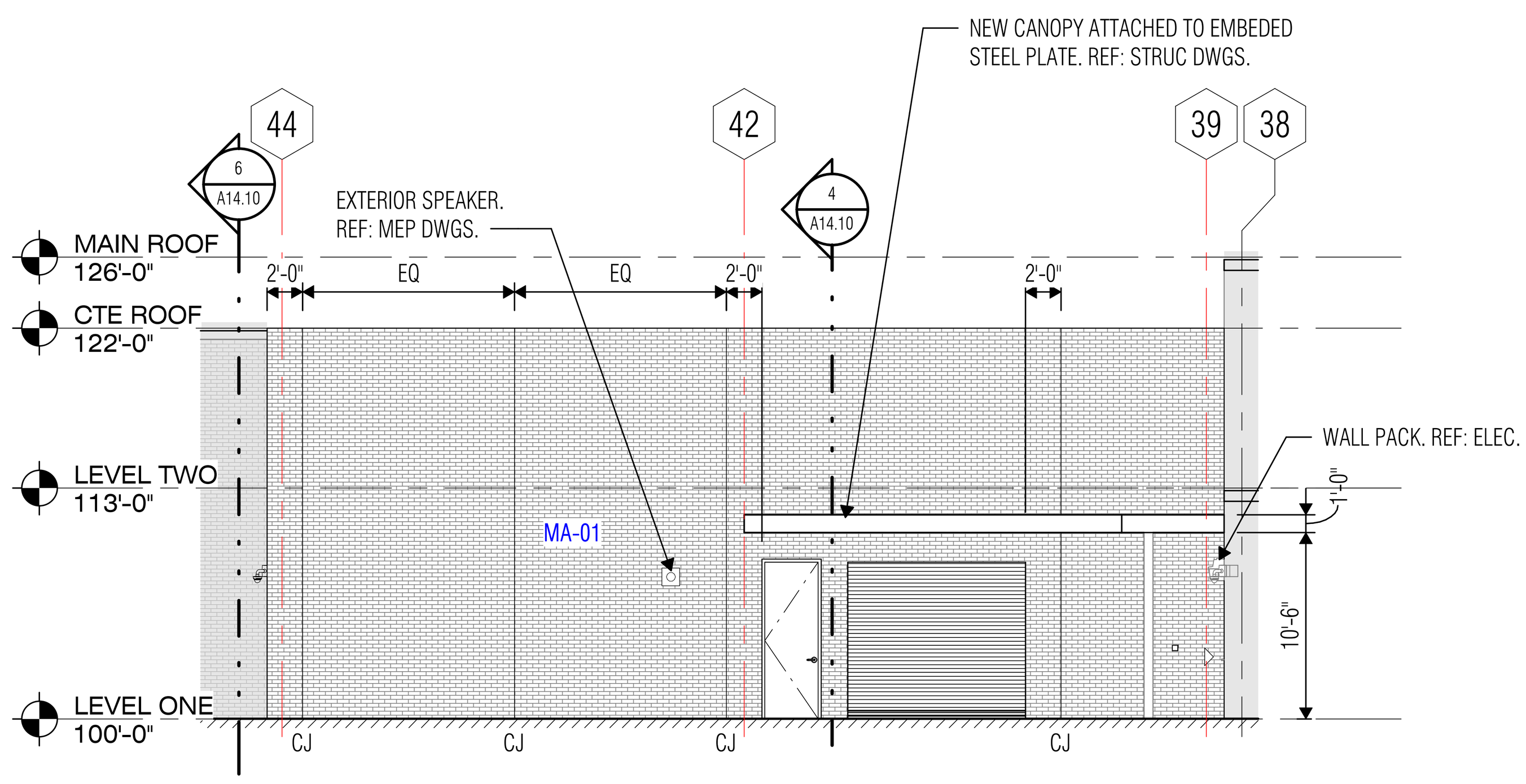
3 ORCH. ADDITION - NORTH ELEVATION
SCALE: 1/8" = 1'-0"

EXTERIOR ELEVATION NOTES

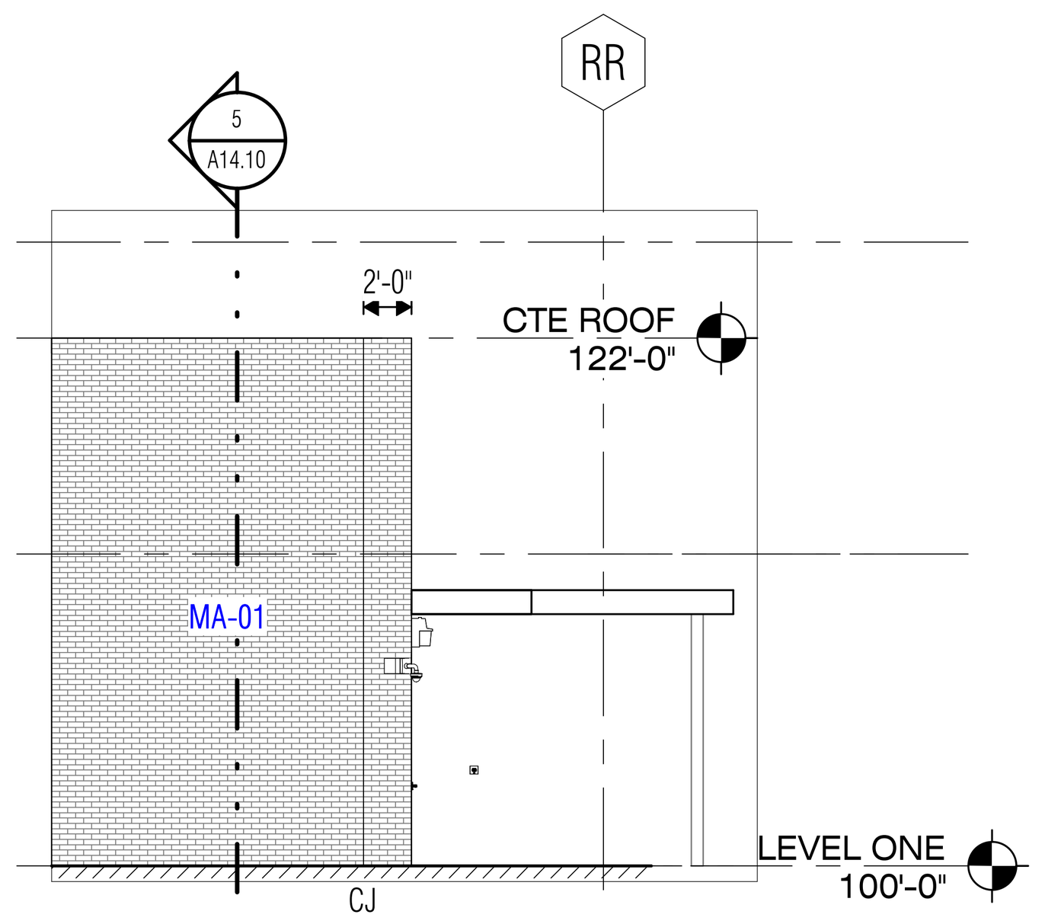
1. Refer to Building Assembly Details Sheets for Typical Control Joint and Building Expansion Joint Details.
2. Based on the applicable design criteria, submit the proposed pattern of control joints in masonry veneer, CMU and stucco/cement plaster to the Architect for review and approval prior to construction.
3. Verify mounting heights of all Electrical and Mechanical items on the exterior of the building prior to construction, whether specifically indicated on the Exterior Elevations or not.
4. Install cast stone in accordance with the recommendations of the Cast Stone Institute, unless specifically noted or detailed otherwise.
5. Refer to Building Assembly Details Sheet for Loose Lintel Details. Refer to Structural Drawings for maximum span and bearing requirements.
6. Terminate recessed and projected masonry veneer courses at 4" from intersecting window frames, door frames, sloping roofs, etc., unless noted otherwise.
7. Provide solid bricks for soldier courses at exterior corners (do not miter). Refer to Building Assembly Details sheets .
8. All blue exterior panels on the building will be removed and replaced even if not shown on the documents.

EXTERIOR ELEVATION LEGEND

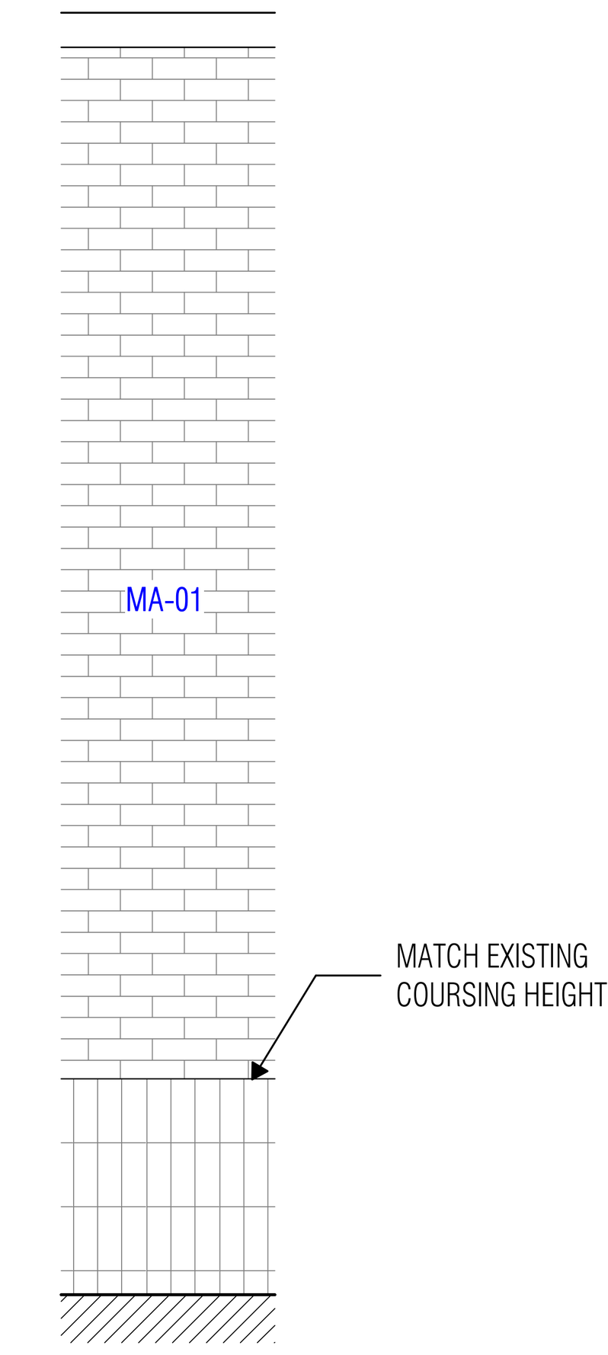
A	BRICK VENEER, TYPE 'A'
B	BRICK VENEER, TYPE 'B'
DS	DOWNSPOUT
DSC	DOWNSPOUT W/ SCUPPER & CONDUCTOR HEAD REF. _/A_._
OS	OVERFLOW SCUPPER, REF. _/A_._
CJ	CONTROL JOINT, REF. _ & _/A_._
EJ	EXPANSION JOINT, REF. _/A_._
SXX	ALUMINUM STOREFRONT, REF. SHEET A7.11
	EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.



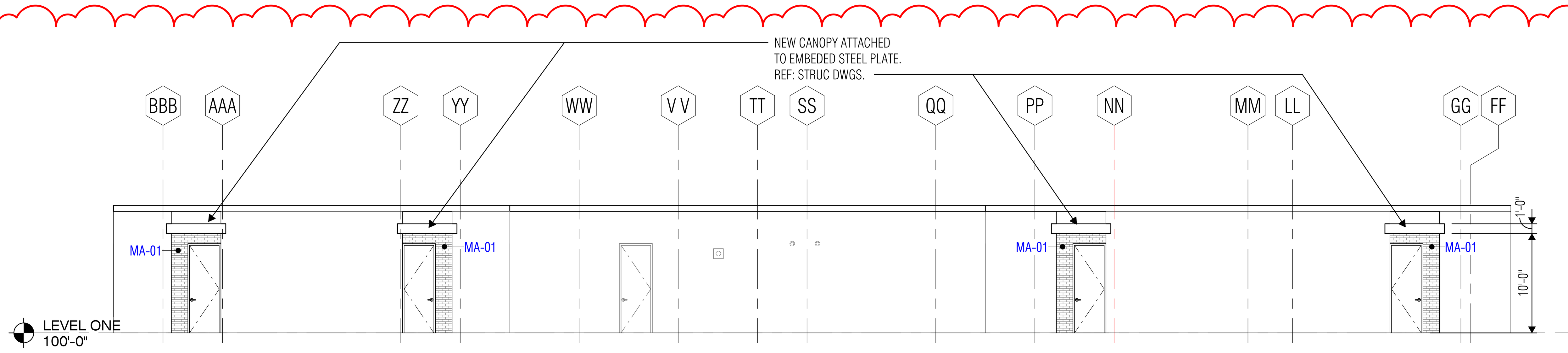
4 CTE ADDITION - WEST ELEVATION
SCALE: 1/8" = 1'-0"



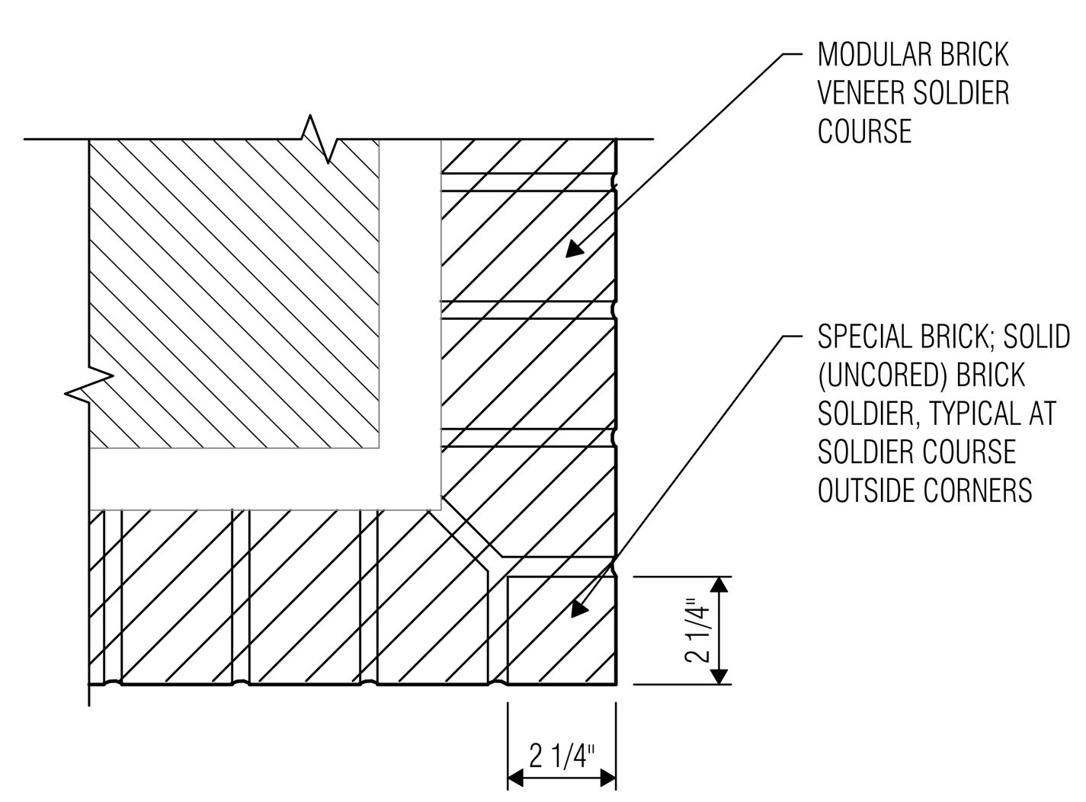
5 CTE ADDITION - NORTH ELEVATION
SCALE: 1/8" = 1'-0"



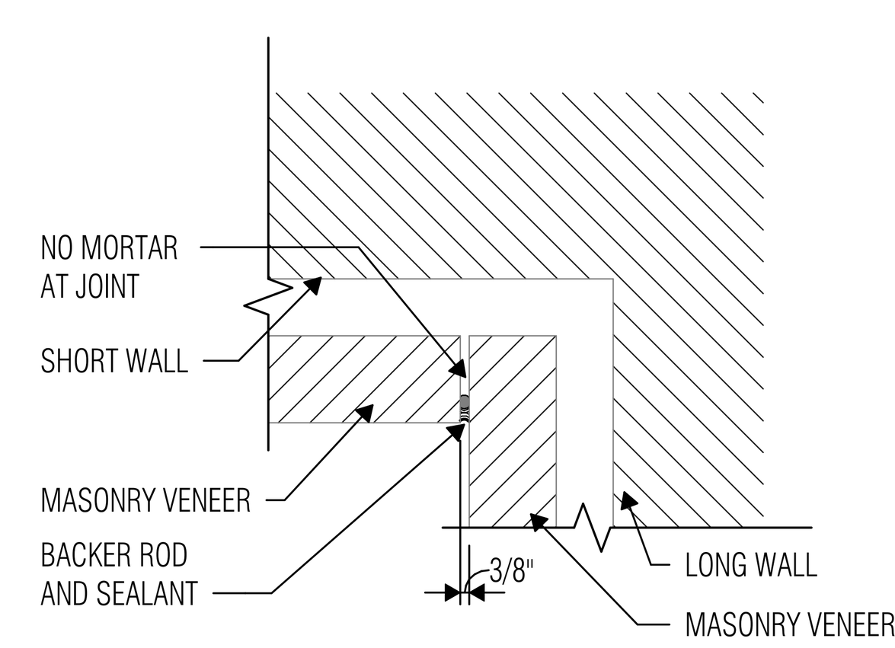
6 TYPICAL COURSING ELEVATION
SCALE: 1/2" = 1'-0"



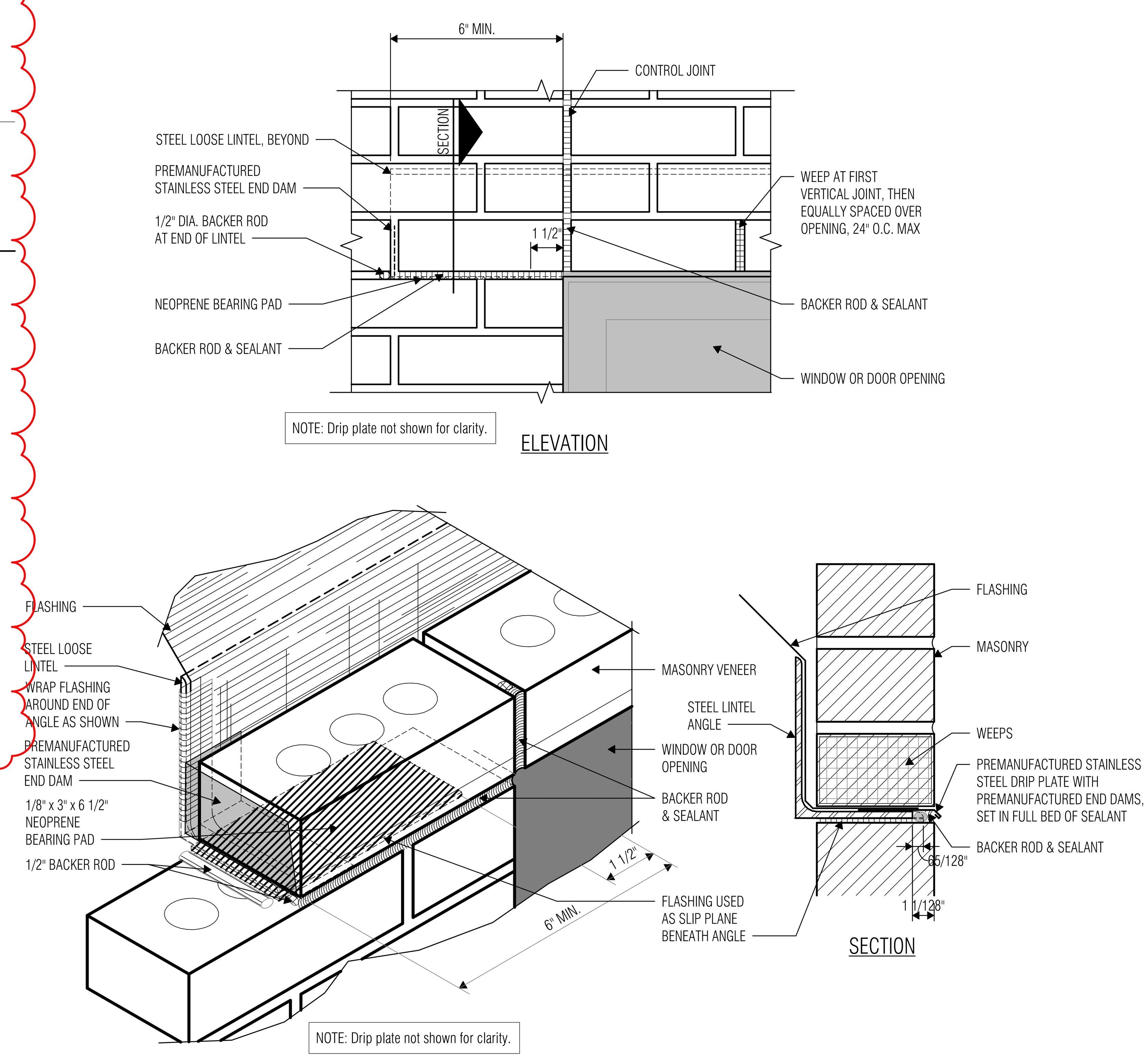
7 ATHLETICS - SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

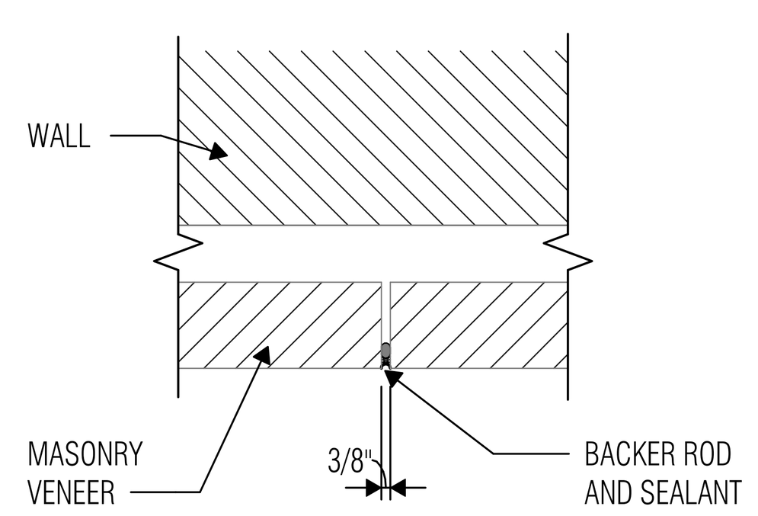


10 SOLDIER COURSE SPECIAL BRICK @ OUTSIDE CORNER
SCALE: 3" = 1'-0"

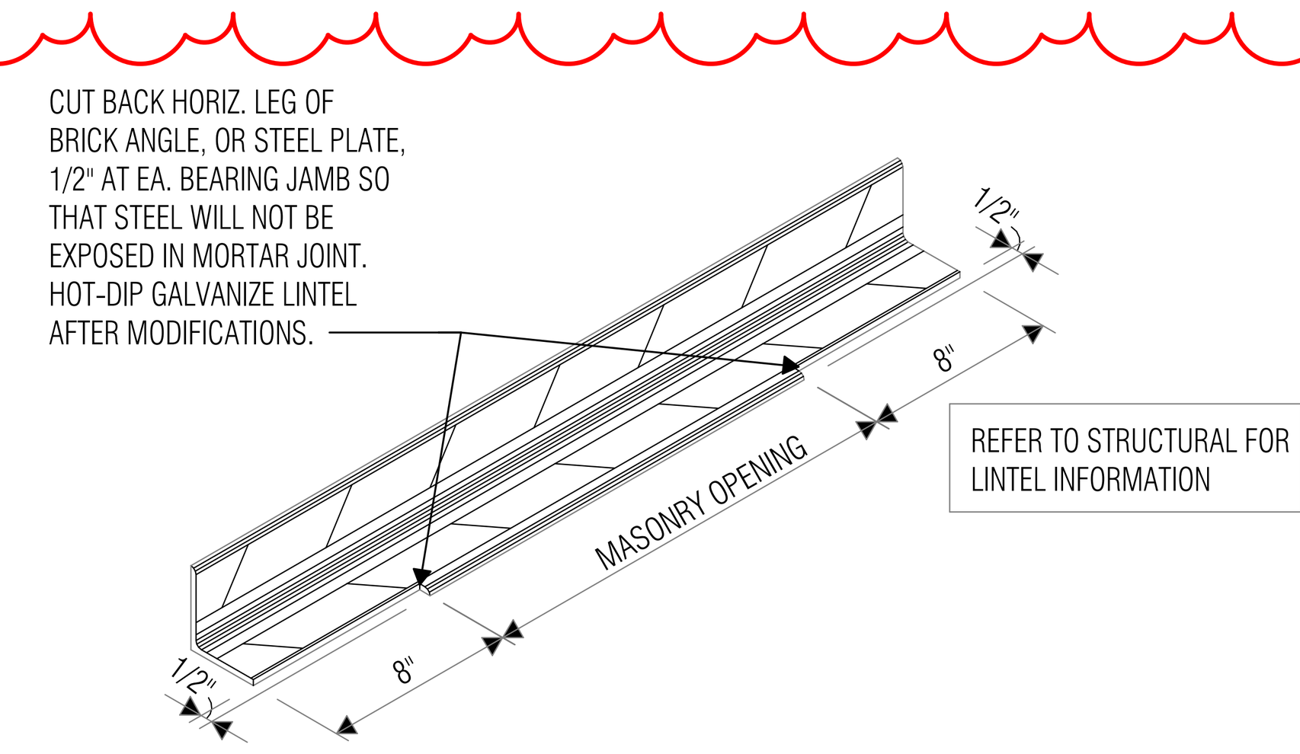


11 MASONRY VENEER CONTROL JOINT INSIDE CORNER
SCALE: 1 1/2" = 1'-0"





12 EXT. CONTROL JOINT
SCALE: 1 1/2" = 1'-0"



13 LOOSE LINTEL DETAIL, TYP.
SCALE: 1 1/2" = 1'-0"

14 MASONRY VENEER CONTROL JOINT AT LOOSE LINTEL
SCALE: 3" = 1'-0"

X400

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ARCHITECT

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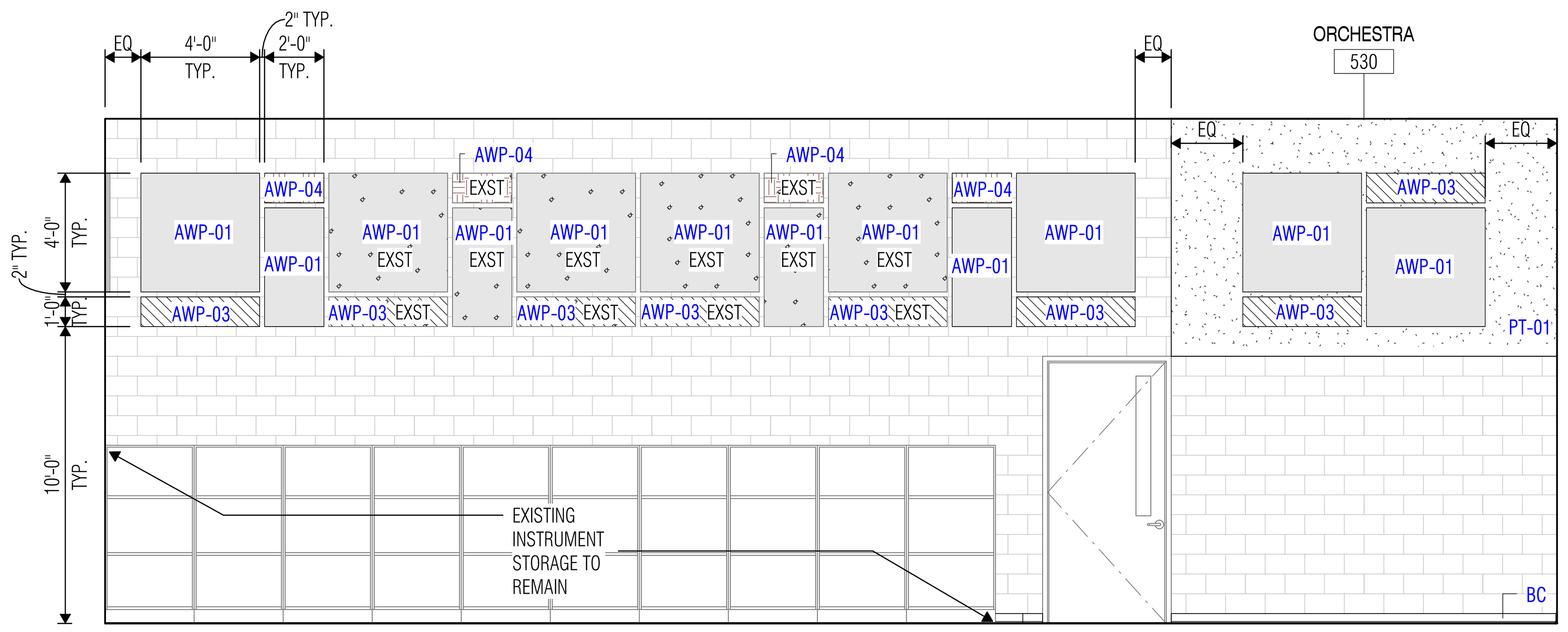
Designer	Quality Control
Proj. Arch. TQ	

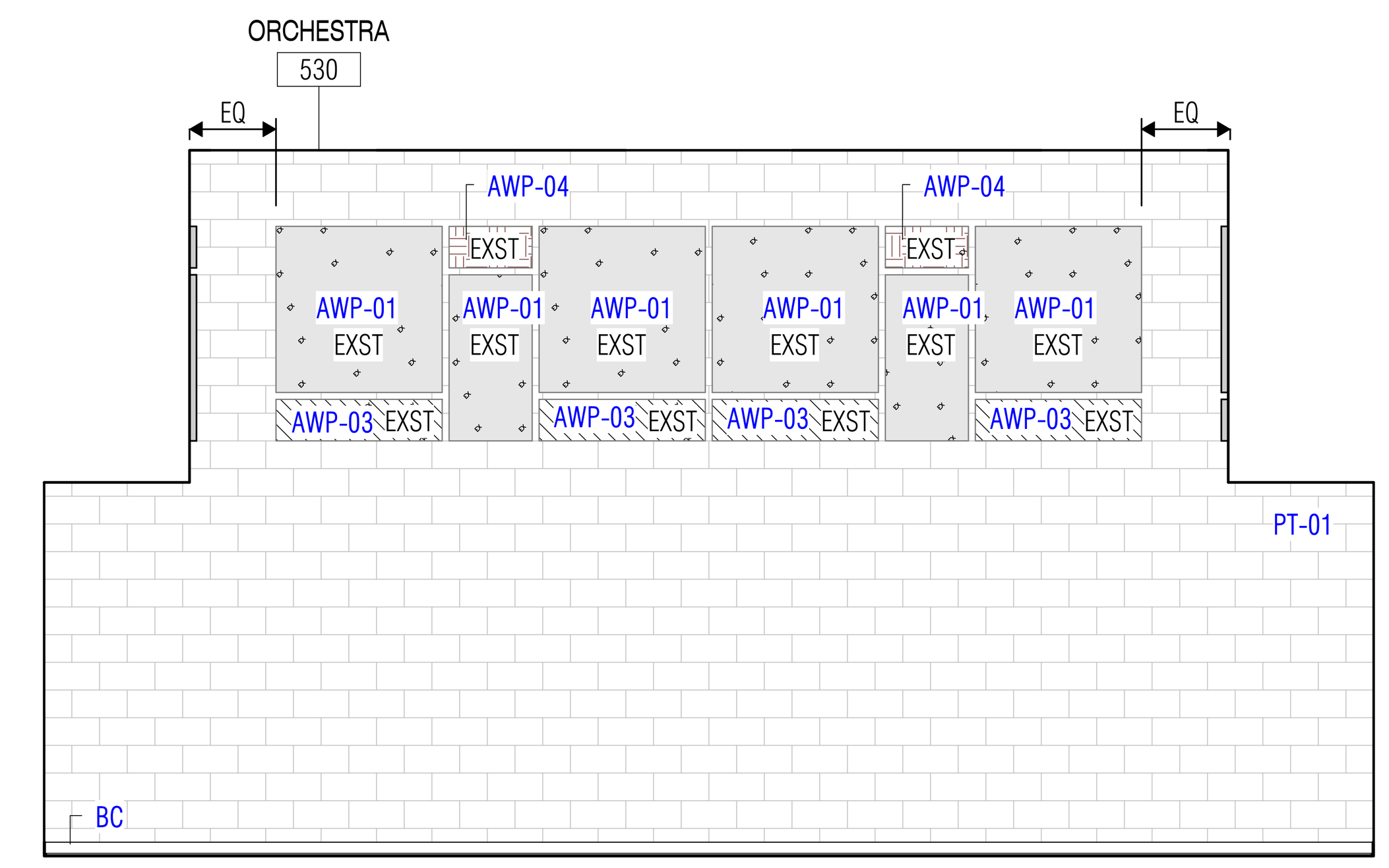
PROJECT NO.
24-010.00

SHEET TITLE
COOK - EXTERIOR ELEVATIONS & DETAILS

SHEET NO.
A13.11



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



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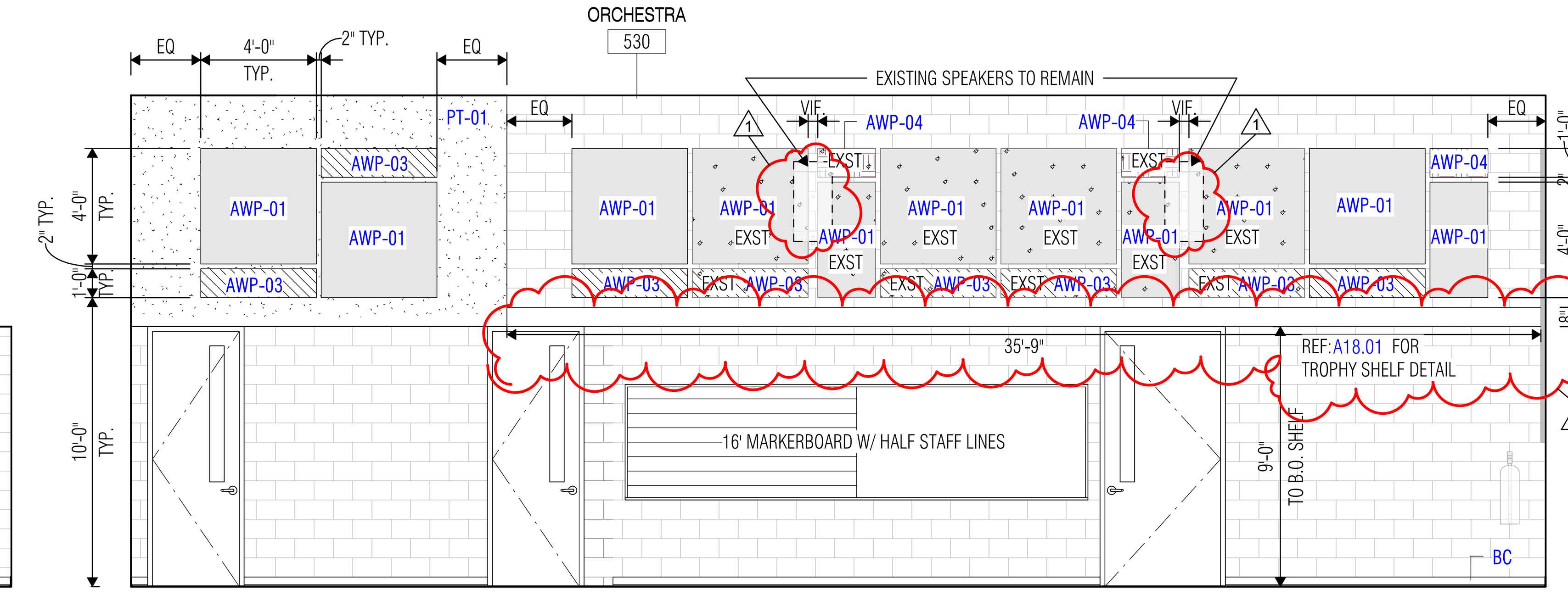
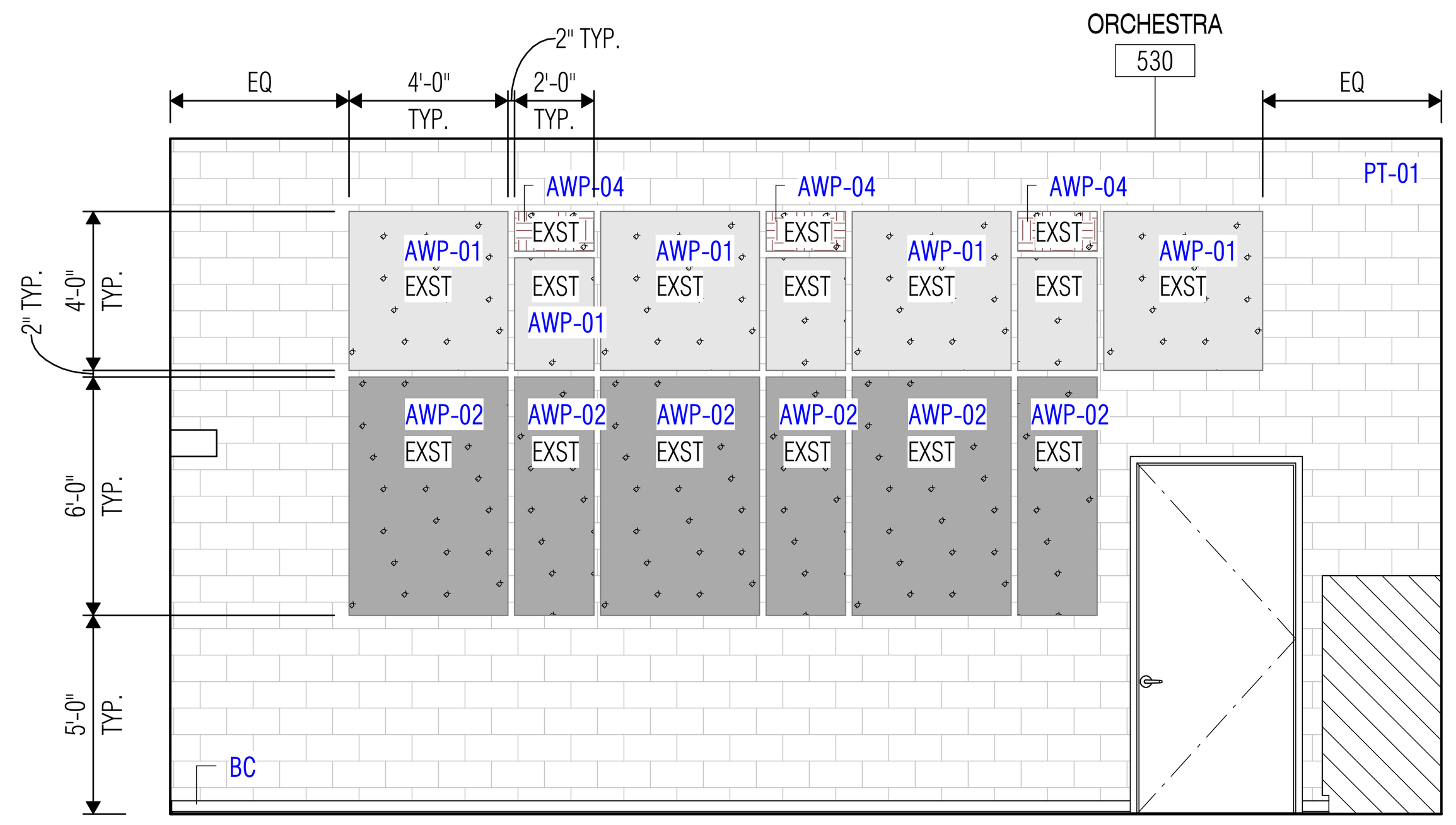
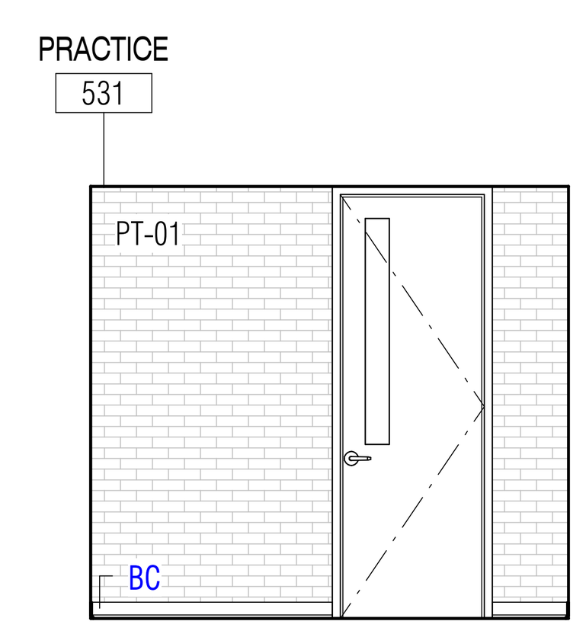


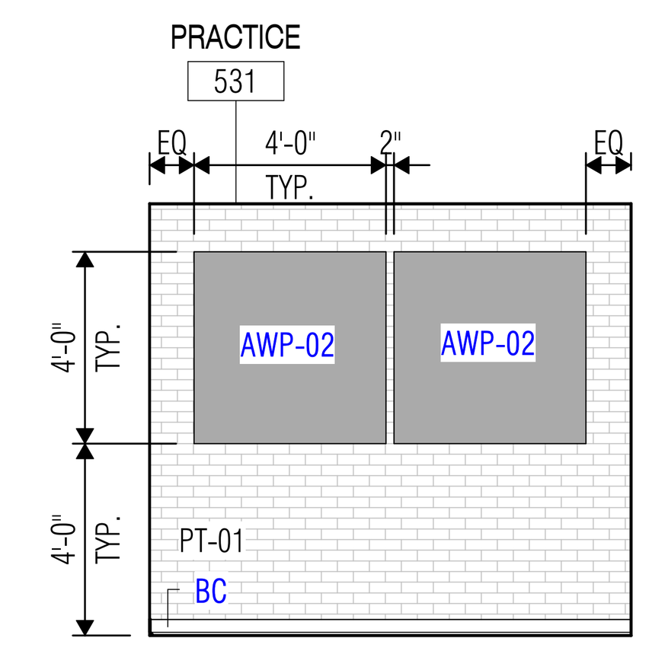
3 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



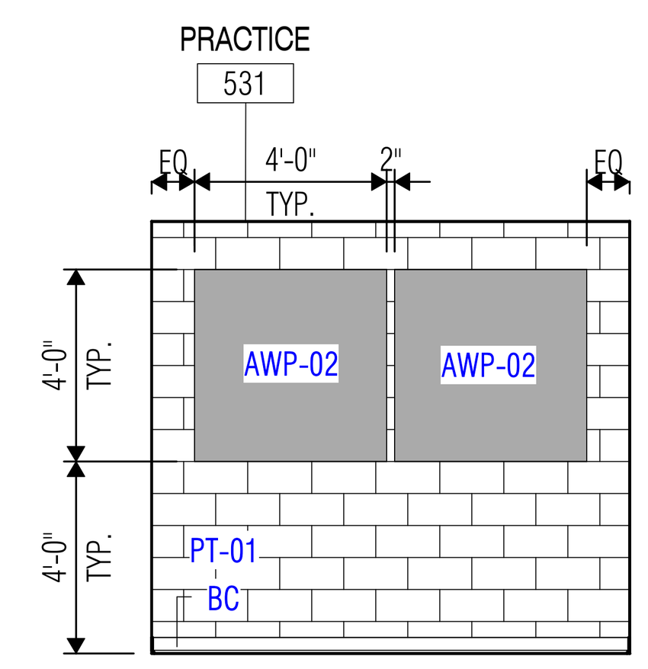
4 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



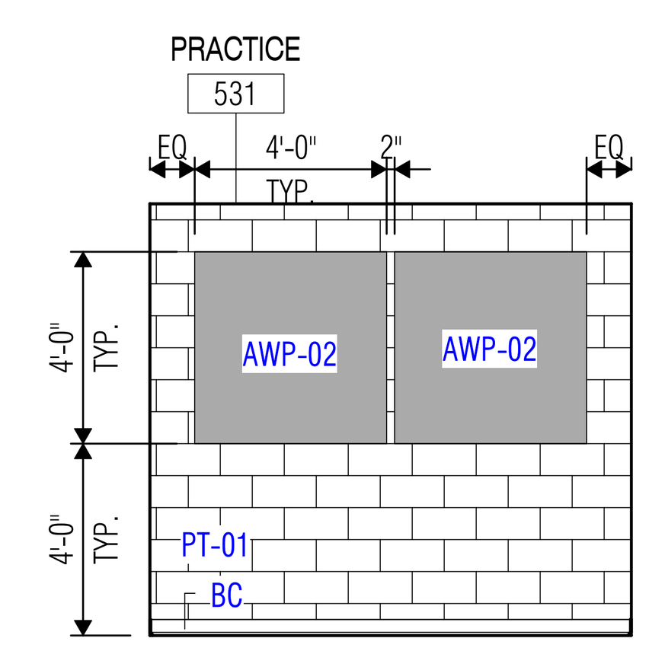
5 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



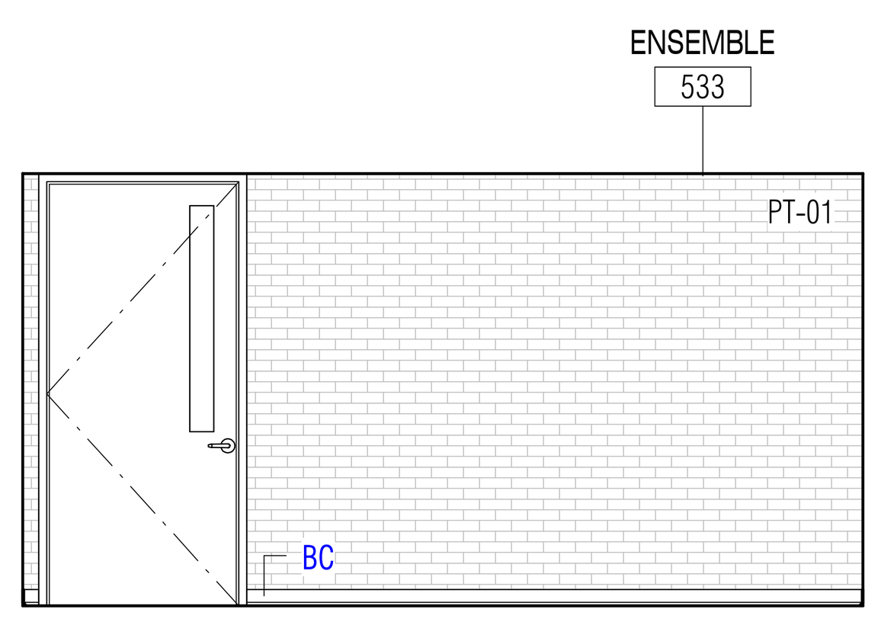
6 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



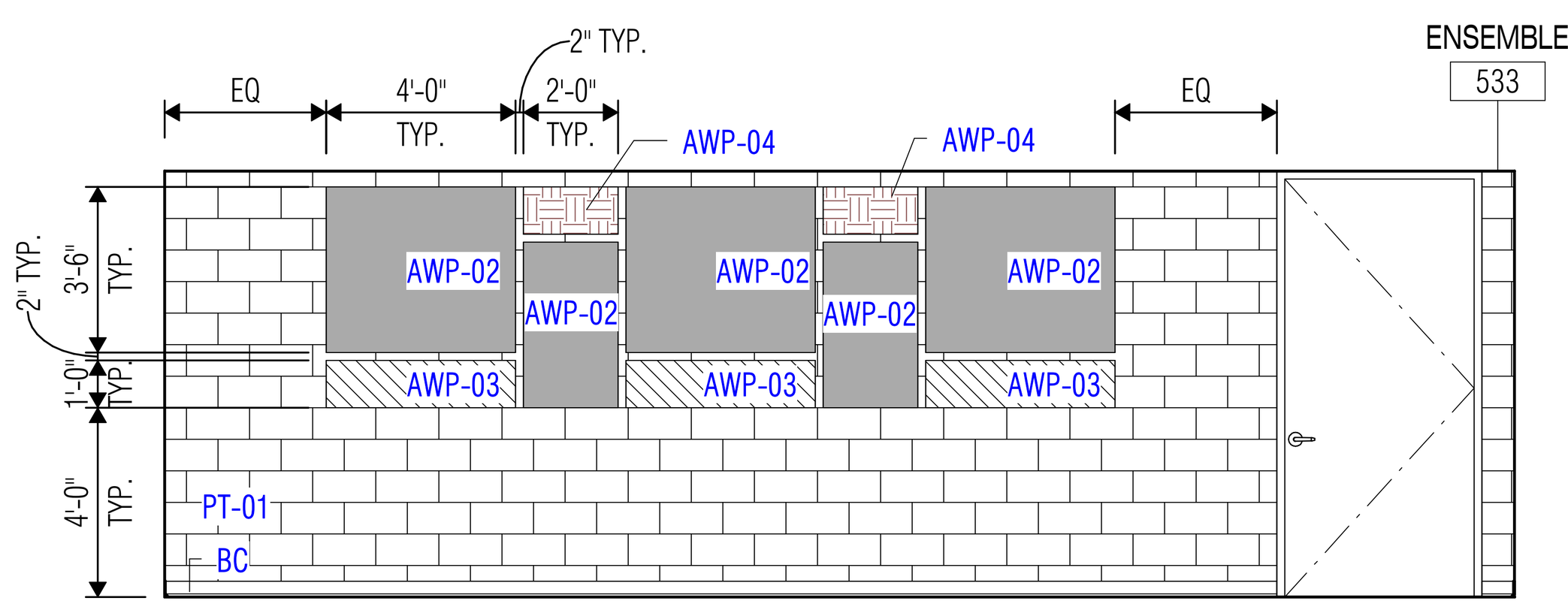
7 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



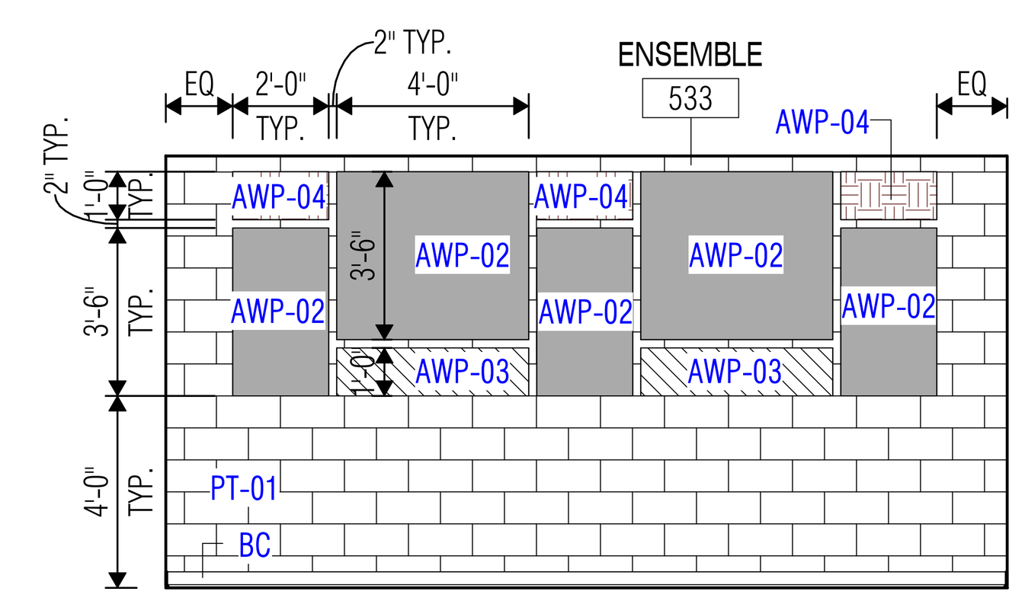
8 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



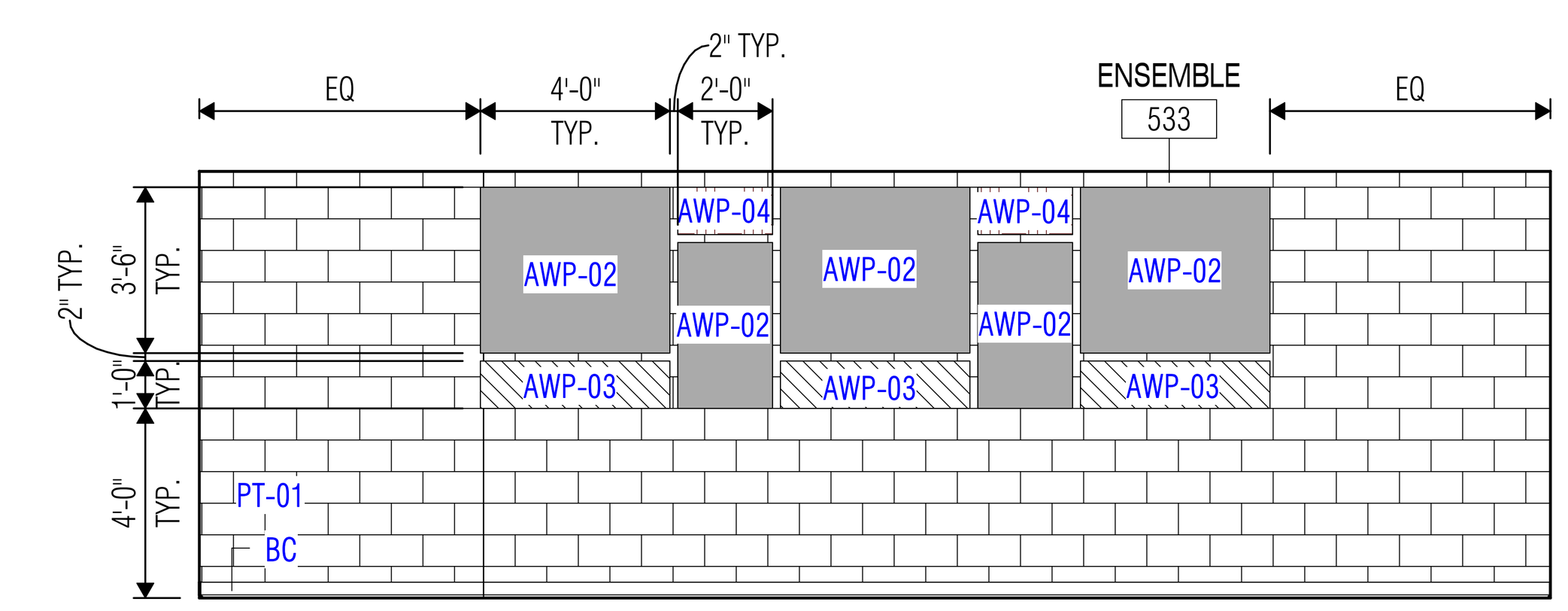
9 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



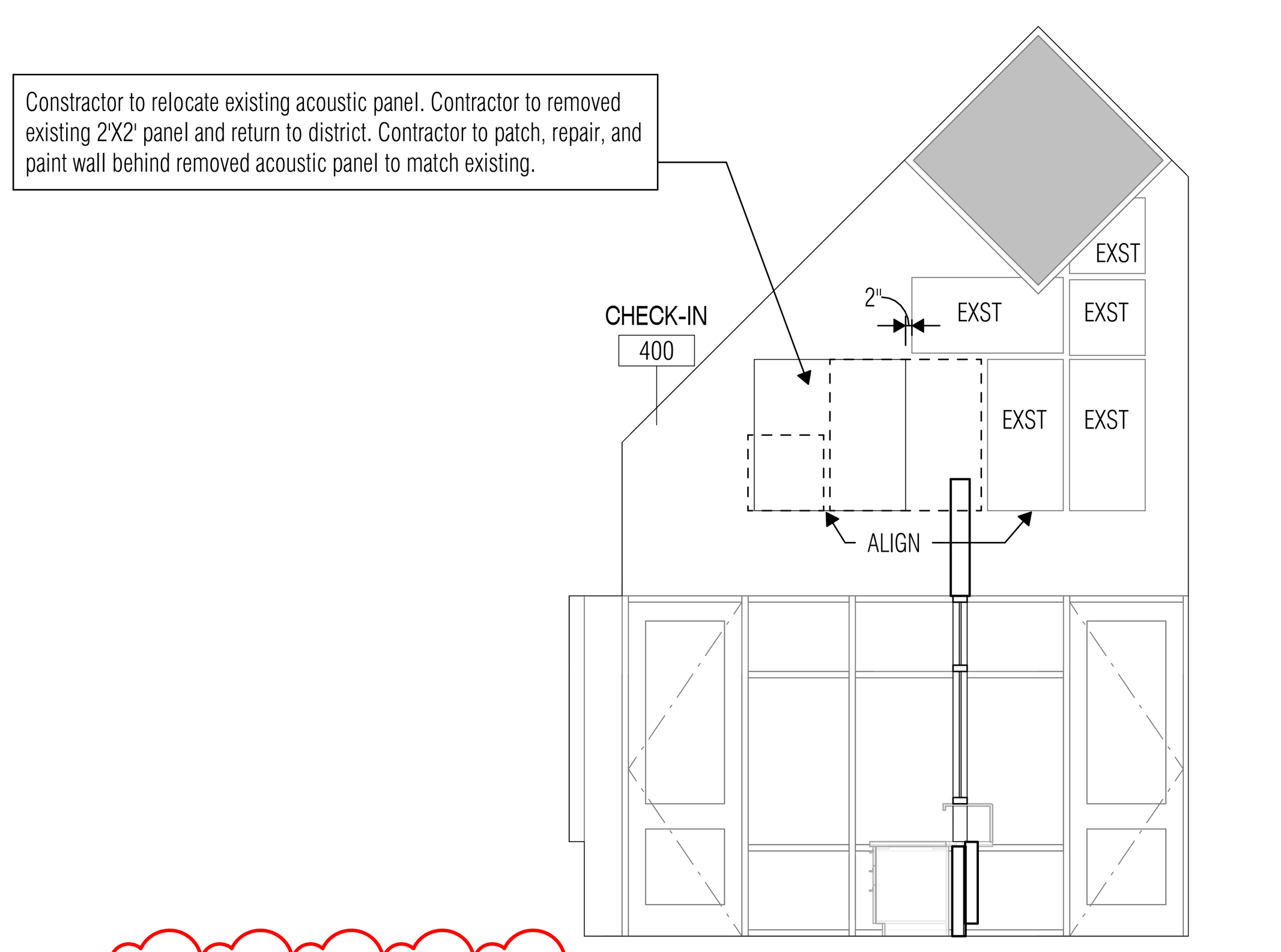
10 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



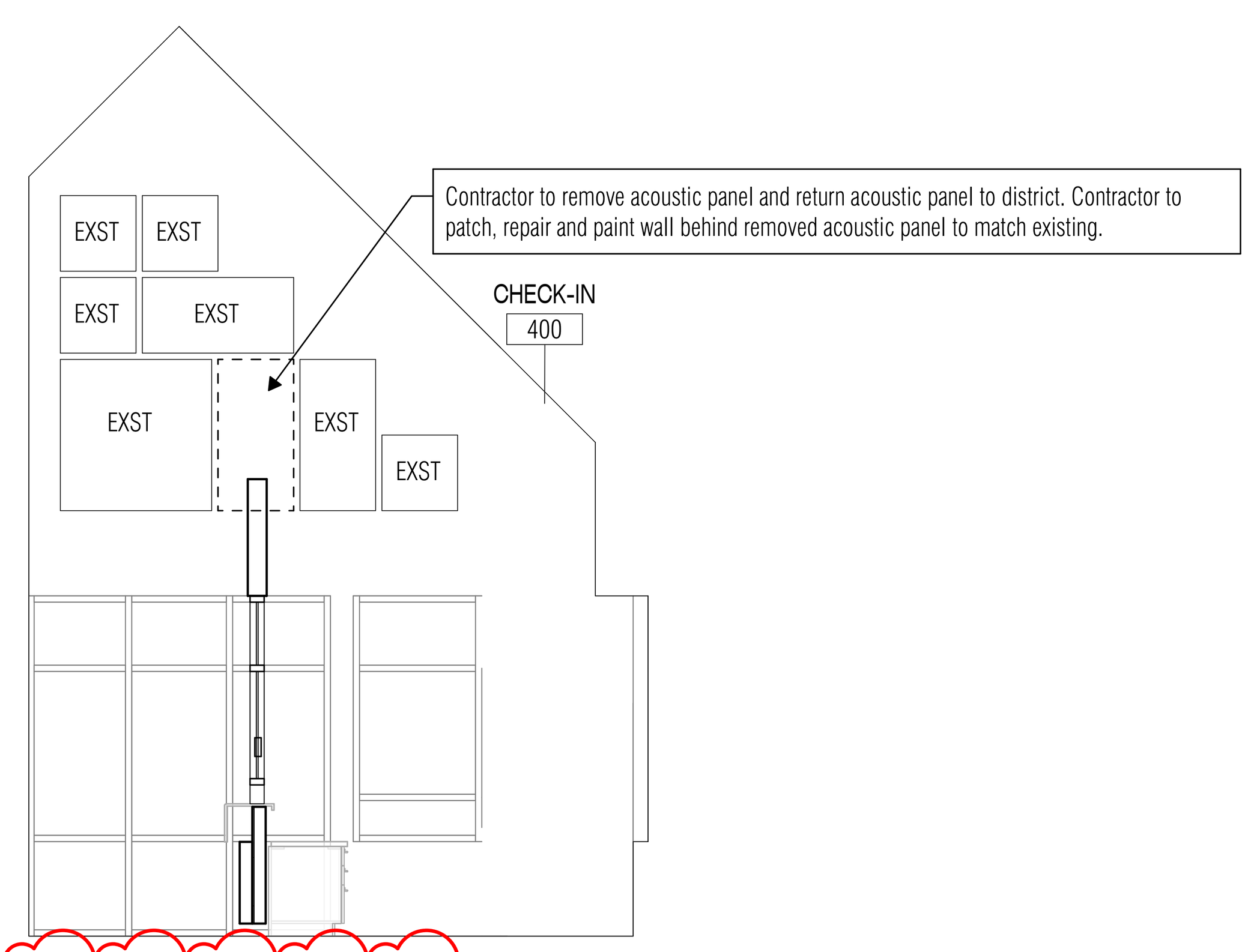
11 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



12 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



13 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



14 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

03/06/2025

ISSUED: February 24, 2025

REVISIONS

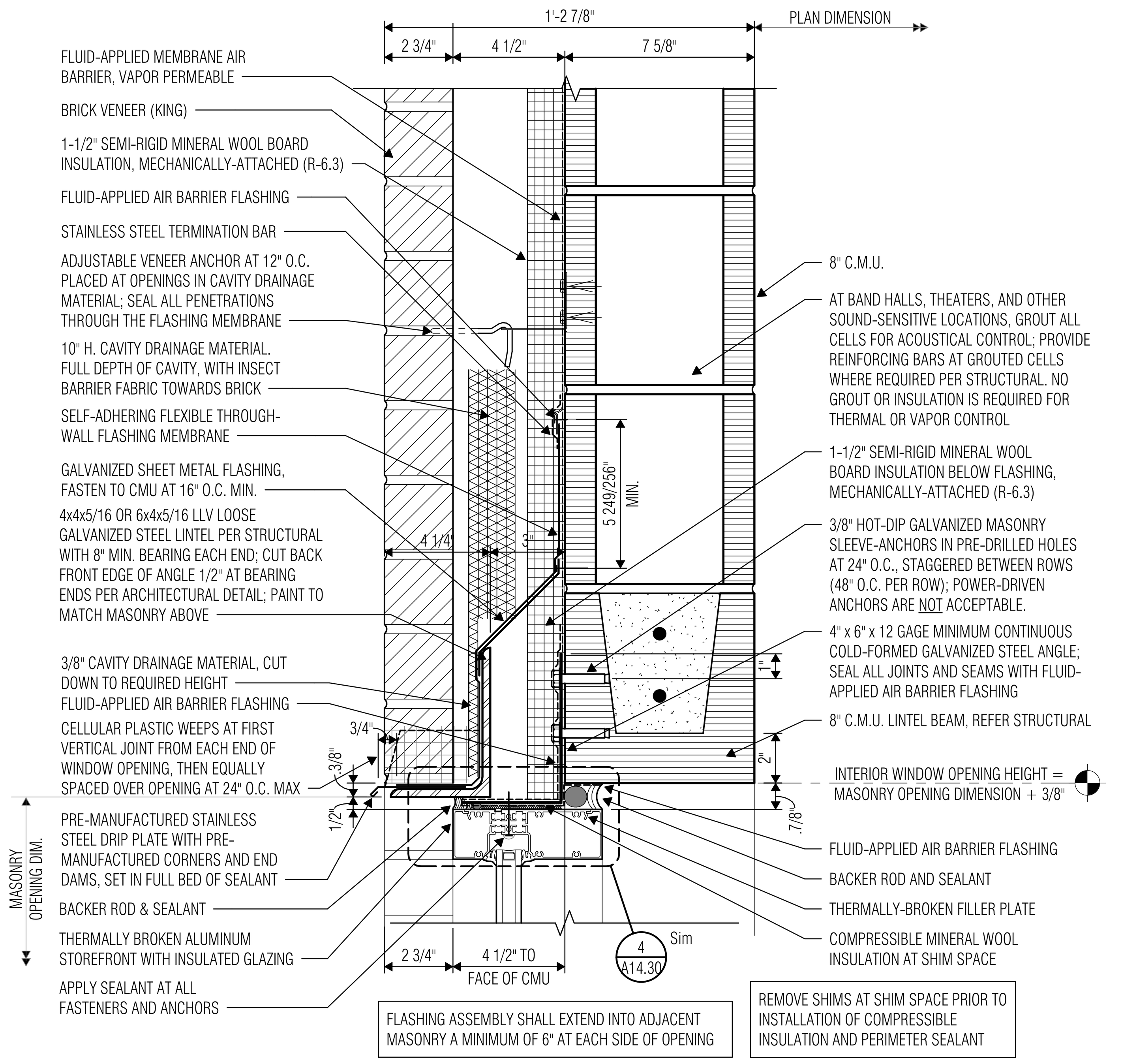
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

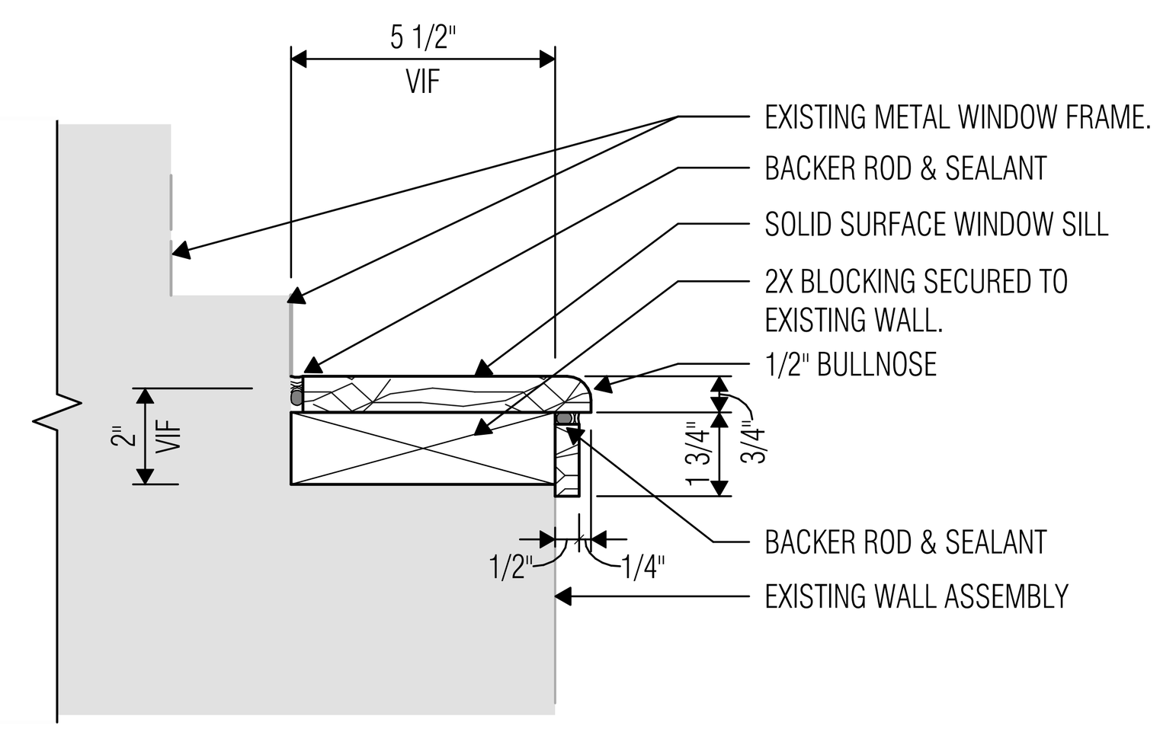
PROJECT NO.
24-010.00

SHEET TITLE
COOK - INTERIOR ELEVATIONS

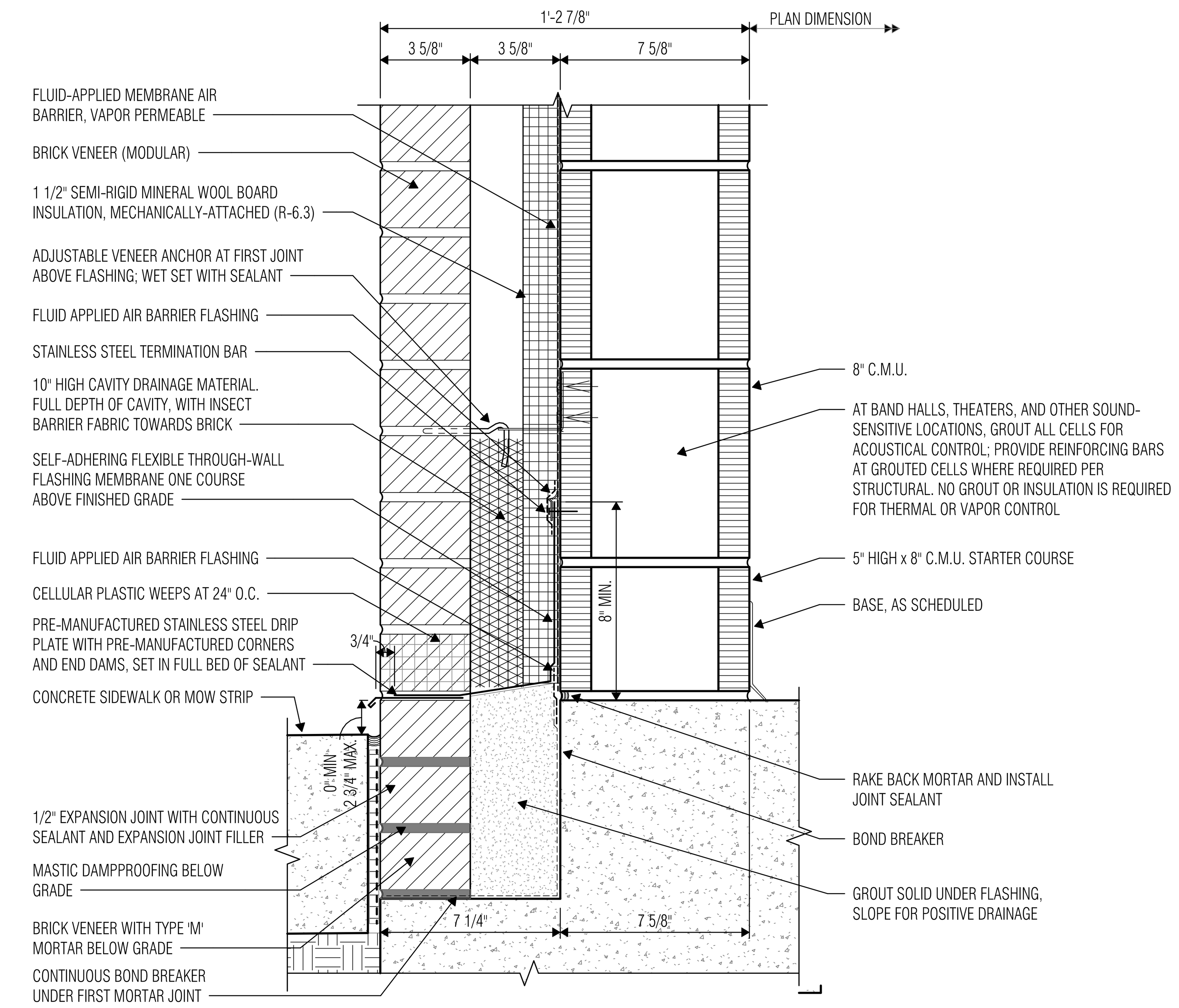
SHEET NO.
A13.31



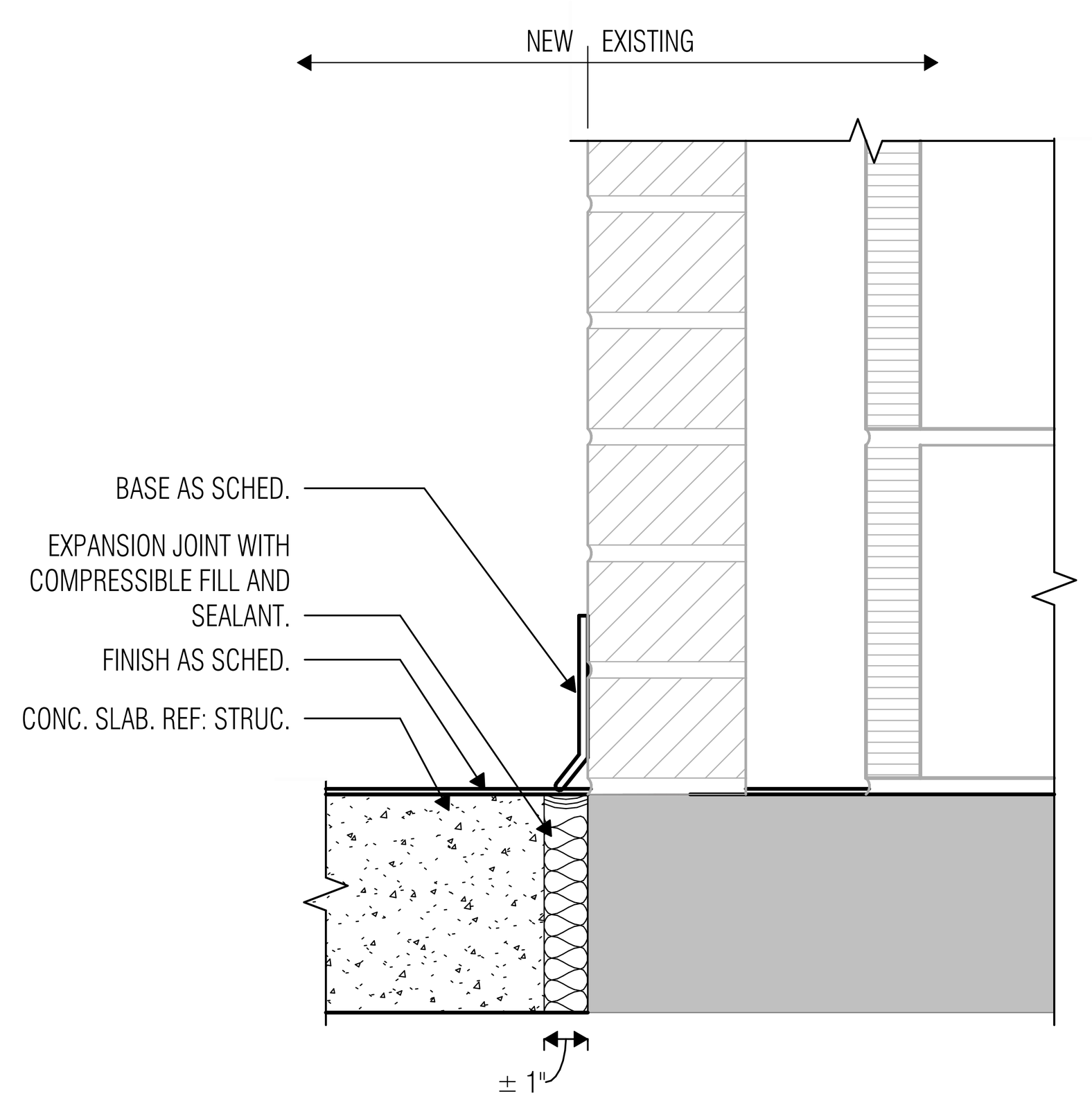
1 KING BRICK/CMU AT CLASSROOM STOREFRONT WINDOW
SCALE: 3" = 1'-0"



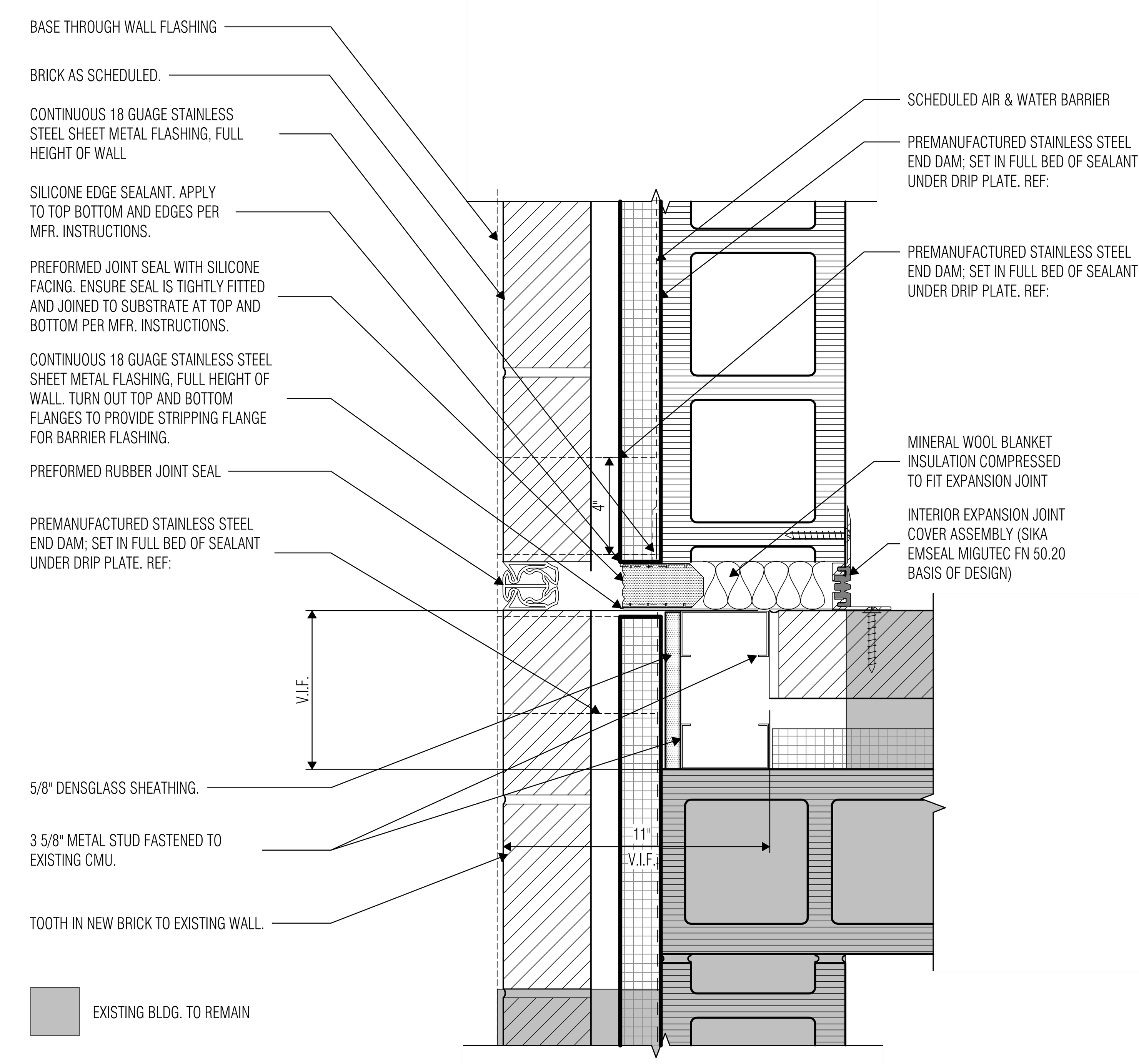
2 EXISTING WINDOW SILL REPLACMENT
SCALE: 3" = 1'-0"



3 MODULAR BRICK / CMU WALL AT SIDEWALK
SCALE: 3" = 1'-0"
*BMC-31.B.SW
WHERE GRADE IS LESS THAN 2 3/4" BELOW FINISH FLOOR



4 DETAIL AT EXISTING SLAB EDGE CONNECTION
SCALE: 3" = 1'-0"



5 EXPANSION JOINT @ EXTERIOR WALL
SCALE: 3" = 1'-0"

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
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www.vlkarchitects.com

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2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT
RUDOLPH STAINS
24202
STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

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1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

PROJECT NO.
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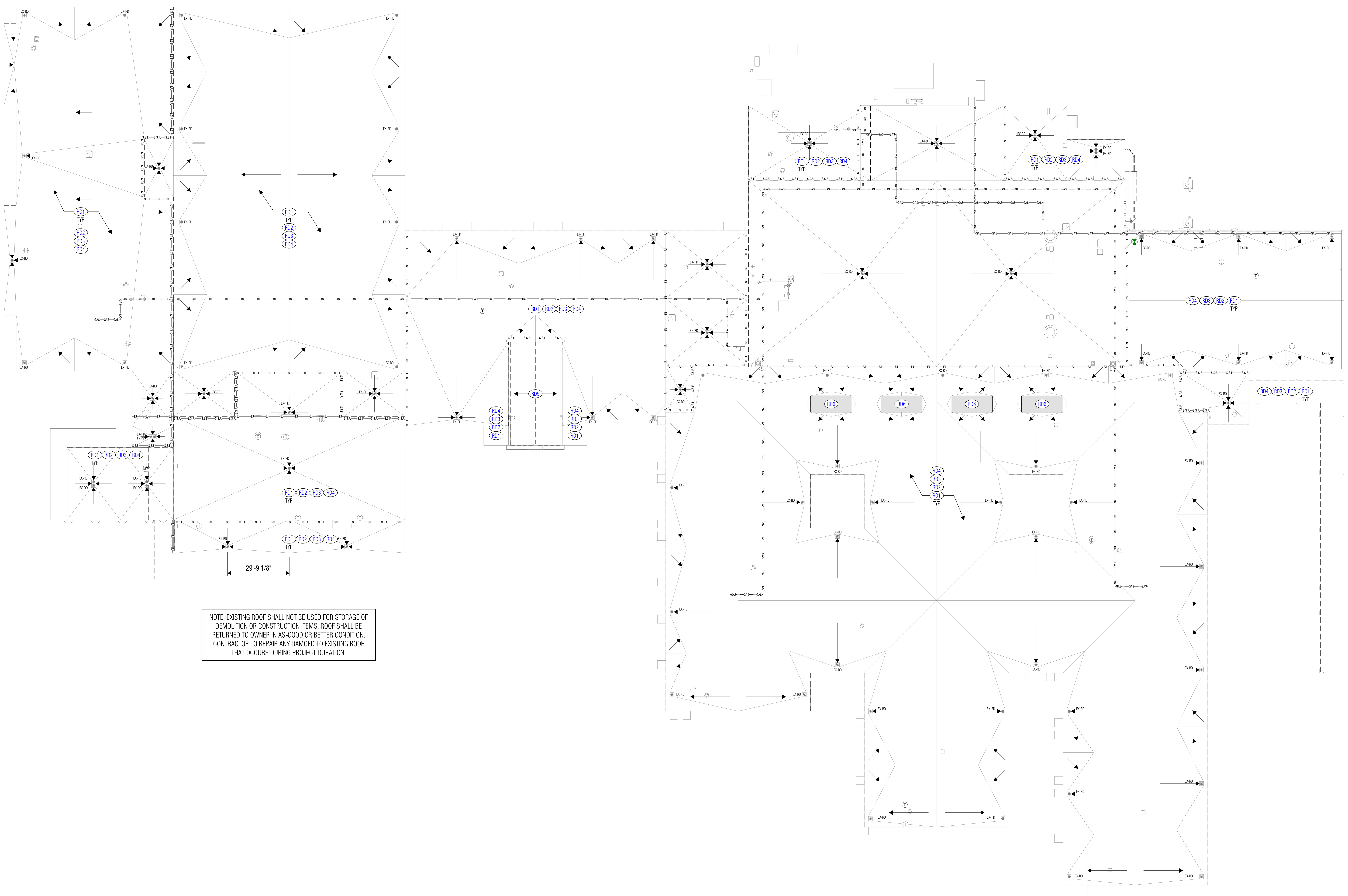
SHEET TITLE
COOK - BUILDING ASSEMBLY DETAILS

SHEET NO.
A14.32



NOTE: EXISTING ROOF SHALL NOT BE USED FOR STORAGE OF DEMOLITION OR CONSTRUCTION ITEMS. ROOF SHALL BE RETURNED TO OWNER IN AS-GOOD OR BETTER CONDITION. CONTRACTOR TO REPAIR ANY DAMGED TO EXISTING ROOF THAT OCCURS DURING PROJECT DURATION.

1 OVERALL ROOF DEMO PLAN

SCALE: 3/64" = 1'-0"

ROOF PLAN NOTES

1. Provide tapered insulation crickets at the high side of all rooftop curbs, mounting rails, and other miscellaneous roof penetrations as required to shed water around them and to ensure positive roof drainage, whether indicated on the drawings or not.
2. Crickets shall slope 1/2" per foot, unless noted otherwise.
3. Locate overflow scuppers per Building Elevations. If conflicts occur, contact Architect prior to construction.
4. Provide roof walkway protection at base of all roof ladders, around all sides of roof hatches, on all sides of rooftop units and condensing units, and on paths leading from roof access points to rooftop units and condensing units, whether indicated on drawings or not.
5. Provide layer of roof walkway protection under all pipe and conduit supports, fully-adhered to roof membrane.
6. Provide additional layer of single-ply roof membrane at the discharge point of downspouts, where splash pans are not provided.
7. Provide metal end closure at the ends of expansion joints, flashings and counterflashings.
8. Paint all exposed galvanized metal flashings, miscellaneous steel, piping, conduits, etc. that are not prefinished.
9. Clean and paint strainer baskets.
10. All sheet metal fascia, gutters and downspouts shall be pre-finished aluminum. All metal flashings embedded in roof membrane and in though-wall conditions shall be stainless steel.

ROOF PLAN LEGEND

	NEW ROOF ASSEMBLY
EX-RD	EXISTING ROOF DRAIN
EX-OD	EXISTING OVERFLOW PLAN
CTES-TCT	EXISTING COAL-TAR PITCH ELASTOMERIC SHEET ROOFING OVER EXISTING TECTUM PANEL DECKING
CTES-LW	EXISTING COAL-TAR PITCH ELASTOMERIC SHEET ROOFING OVER EXISTING TECTUM PANEL DECKING
CTES-STRLLW	EXISTING COAL-TAR PITCH ELASTOMERIC SHEET ROOFING OVER EXISTING LIGHT WEIGHT CONCRETE DECKING
—EJ——EJ——EJ—	EXISTING EXPANSION JOINT
S.S.F.——S.S.F.——S.S.F.	NEW STAINLESS STEEL THROUGH WALL FLASHING
	EXISTING FIRE HATCH
	EXISTING MECHANICAL, ELECTRICAL, PLUMBING UNITS
	DEMOLISHED ITEMS

ROOF PLAN LEGEND

BUR	BUILT-UP BITUMINOUS ROOFING
MBM	MODIFIED BITUMINOUS MEMBRANE ROOFING
CTES	COAL-TAR PITCH ELASTOMERIC SHEET ROOFING
T.O.M.	TOP OF MASONRY ELEVATION
T.O.D.	TOP OF DECK ELEVATION
T.O.S.	TOP OF STEEL ELEVATION
RD	ROOF DRAIN, REF.
OD	OVERFLOW DRAIN WITH DOWNSPOUT NOZZLE, REF.
OS	OVERFLOW SCUPPER, REF. _/A_.__
DS	DOWNSPOUT, REF. _/A_.__
DSC	DOWNSPOUT WITH SCUPPER AND CONDUCTOR HEAD, REF._/A_.__
SB	SPLASH BLOCK, CONCRETE, REF. _A/__
SP	SPLASH PAN, REF. _/A_.__
MC	MANUFACTURED COPING, REF. _/A_.__
RH	ROOF HATCH, REF.
RL	ROOF LADDER, REF. _/A_.__
RTU	ROOFTOP UNIT, REF. MECHANICAL & _/A_.__
CU	CONDENSING UNIT, REF. FOOD SERVICE, M.E.P. & _/A_.__
GP	GAS PIPE PENETRATION, REF.
RV	RELIEF VENT, REF. M.E.P.
EF	EXHAUST FAN, REF. M.E.P.

DEMO KEYED NOTES

RD1	CLEAN AND PREPARE ROOF TO RECIEVE NEW CAP SHEET. CUT OUT AND REPAIR ANY DEFORMATIONS OR BUBBLES IN THE EXISTING ROOF LAYERS.
RD2	CAREFULLY REMOVE ALL EXISTING ROOF COPING AND FLASHING. EXISTING BLOCKING TO REMAIN, U.N.O. REMOVE AND REPLACE ANY DETERIORATED BLOCKING. PREPARE AREA FOR NEW CONSTRUCTION.
RD3	EXISTING ROOF TOP UNITS TO REMAIN, U.N.O. PROTECT IN PLACE. GC TO WALK WITH OWNER REPS TO VERIFY UNITS' FUNCTIONALITY. REF: MEP
RD4	REMOVE AND PROPERLY DISPOSE OF ABANDONED EQUIPMENT AND ASSOCIATED ITEMS ON EXISTING ROOF. COORDINATE WITH OWNER FOR SALVAGE.
RD5	REMOVE AND PROPERLY DISPOSE OF ROOF SHINGLES AND WATERPROOFING. SHEATHING AND INSULATION TO REMAIN. REPLACE ANY DAMAGED SHEATHING. CLEAN AND PREPARE FOR NEW CONSTRUCTION.
RD6	EXISTING SKYLIGHT TO REMAIN. PROTECT IN PLACE. CONSTRACTOR TO REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION ACTIVITIES.

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ARCHITECT

VLK Architects
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HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT · STATE OF TEXAS · 24202

03/06/2025

ISSUED: February 24, 2025

REVISIONS

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1	Addendum 1	03-06-2025

Director RSJ	Drawn By STH, KM
Designer	Quality Control
Proj. Arch. TQ	

PROJECT NO.

24-010.00

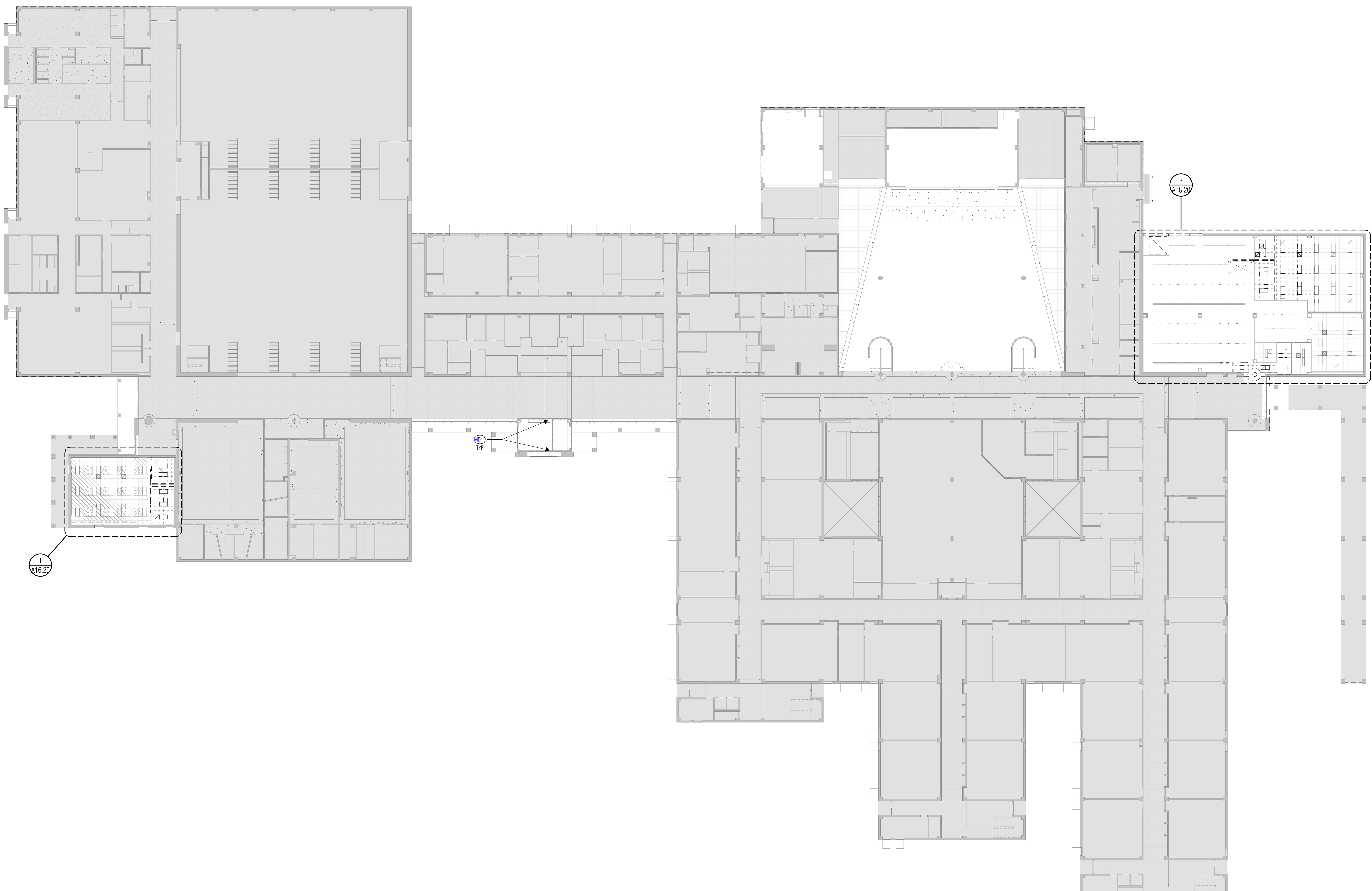
SHEET TITLE

COOK - ROOF DEMO PLAN

SHEET NO.

A15.01

KEYNOTE LEGEND	
MD19	CAREFULLY REMOVE STORE AND PROTECT ACOUSTIC PANELS. PREPARE AREA FOR NEW CONSTRUCTION.



1 DEMOLITION REFLECTED CEILING PLAN - LEVEL ONE
SCALE: 3/64" = 1'-0"

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
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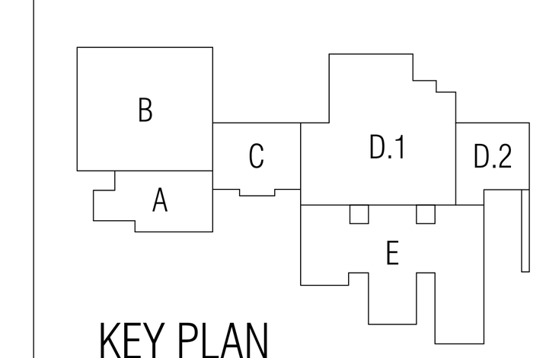

KEY PLAN

03/06/2025

ISSUED: February 24, 2025

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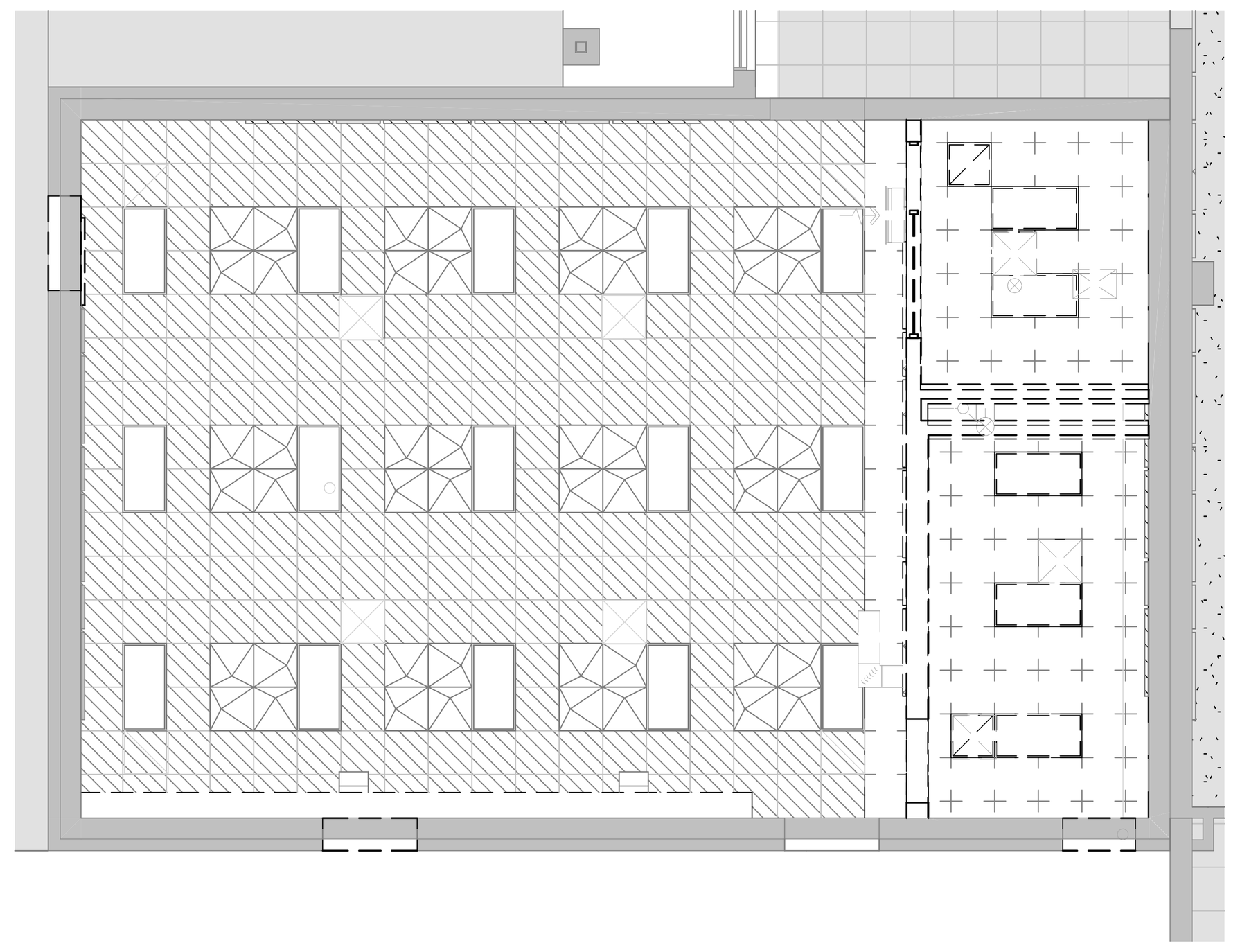
1	Addendum 1	03-06-2025

Director RSJ
Drawn By STH, KM
Designer
Quality Control
Proj. Arch. TQ

PROJECT NO.
24-010.00

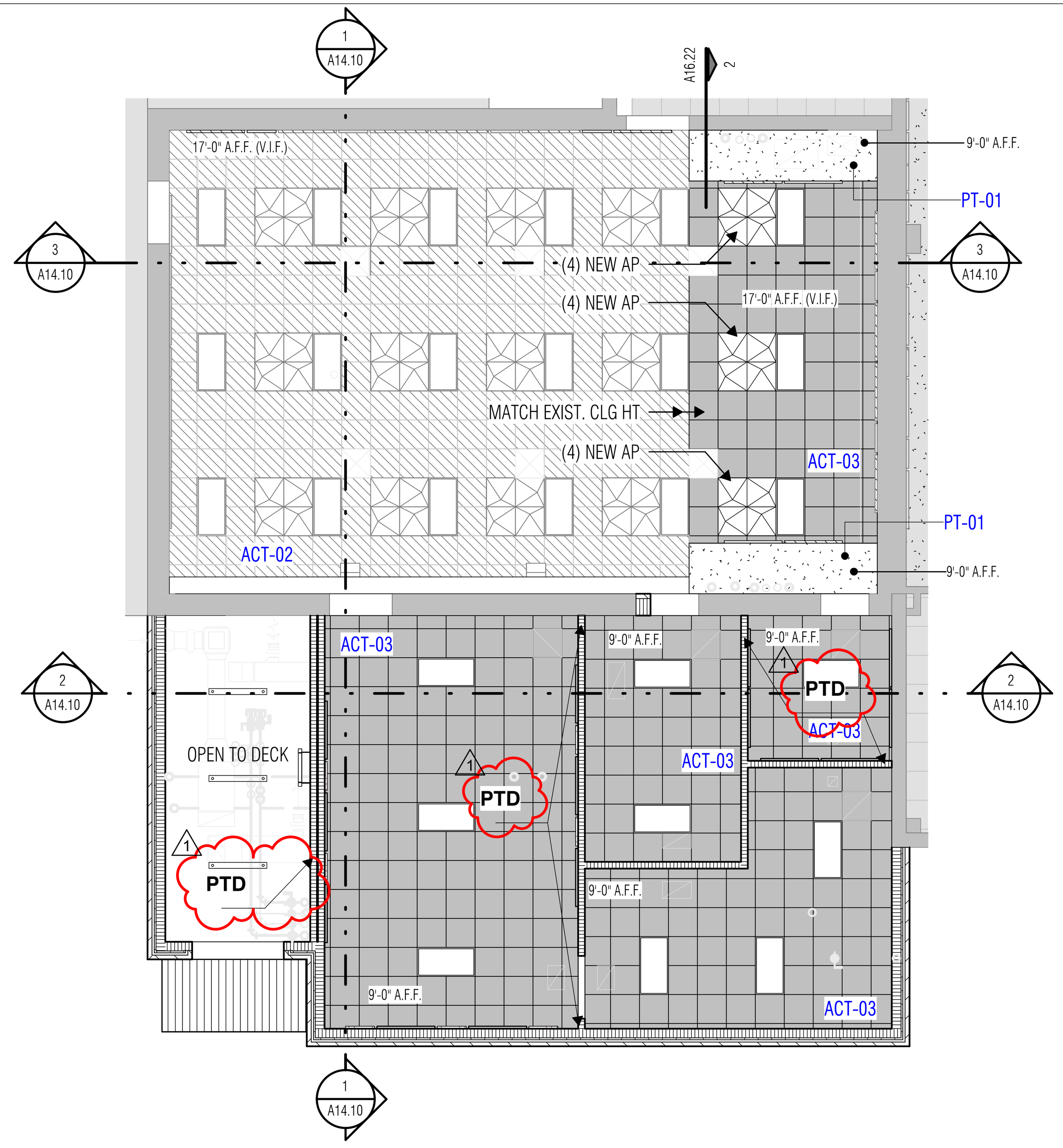
SHEET TITLE
COOK - DEMOLITION REFLECTED CEILING PLAN - LEVEL ONE

SHEET NO.
A16.01

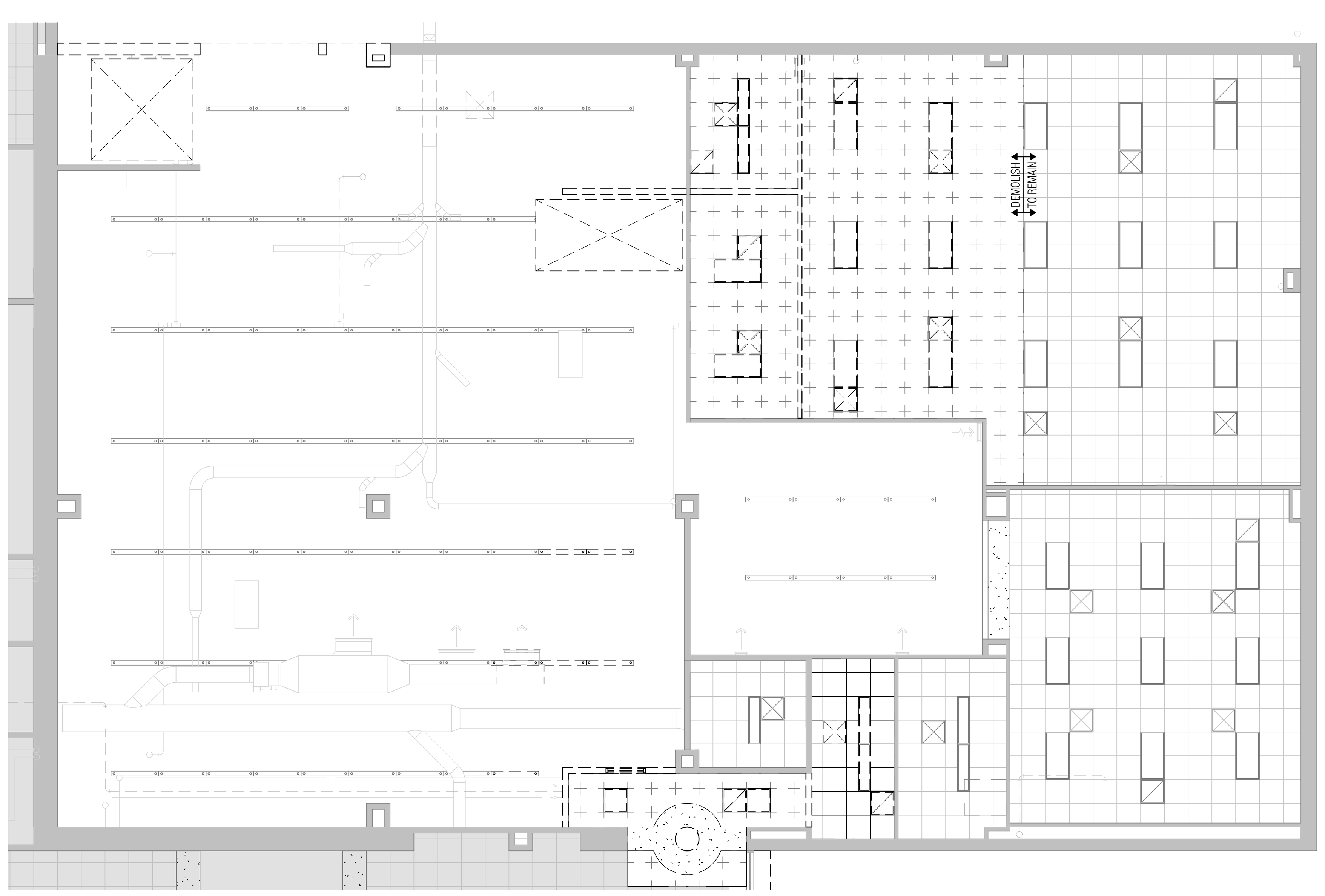


CONTRACTOR MAY RELOCATE ACOUSTIC CEILING TILES RECOVERED FROM ORCHESTRA 530 IN PRACTICE 531, OFFICE/LIBRARY 532, AND/OR INSTRUMENT STORAGE 533A IN LIEU OF NEW TILES, ONLY WHERE AN ENTIRE ROOM WOULD BE COMPOSED OF REUSED ACOUSTIC CEILING TILES.

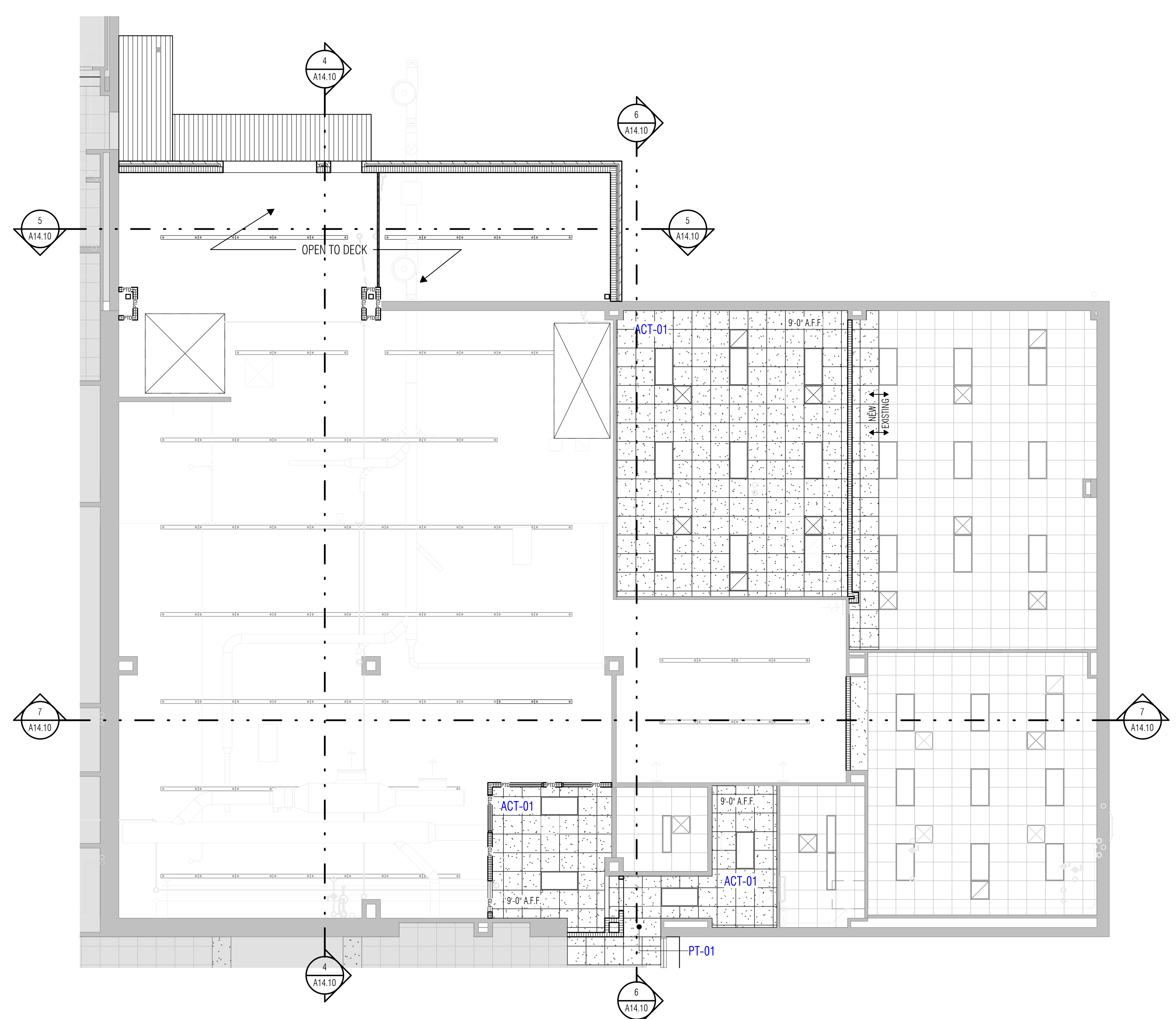
1 ORCHESTRA ADDITION ENLARGED DEMOLITION RCP
SCALE: 1/8" = 1'-0"



2 ORCHESTRA ADDITION ENLARGED RCP
SCALE: 1/8" = 1'-0"



3 CTE ADDITION ENLARGED DEMOLITION RCP
SCALE: 1/8" = 1'-0"



4 CTE ADDITION ENLARGED RCP
SCALE: 1/8" = 1'-0"

DEMOLITION REFLECTED CEILING PLAN LEGEND

ITEMS TO BE DEMOLISHED (RE: DEMOLITION PLANS FOR MORE INFORMATION

AREAS EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

CEILINGS:

EXISTING ACOUSTIC LAY-IN CEILING TILE TO BE DEMOLISHED

EXISTING ACOUSTIC LAY-IN CEILING TILE TO REMAIN

CAREFULLY REMOVE, PROTECT AND STORE EXISTING CEILING TILES FOR RELOCATION TO NEW AREAS. PROTECT EXISTING GRID IN PLACE AND PREPARE TO RECIEVE NEW TILES. REFER TO RCPS FOR MORE INFORMATION

REFLECTED CEILING PLAN NOTES

1. All new ceiling heights shall be 9'-0" A.F.F. unless noted otherwise.
2. Where new ceilings are connected to existing ceilings, match existing ceiling height unless nothed otherwise.
3. Refer to A' '6.22 for Typical Gypsum Board Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. Provide venting strips or perforated panels at perimeter of all non-insulated metal panel soffits (refer to Detail _/A6.__). Venting at non-insulated soffits shall be provided whether specifically indicated on the drawings or not.
5. Provide partition to deck (PTD) at walls surrounding spaces with exposed structure. Refer to Reflected Ceiling Plan Legend for PTD requirements.
6. Provide hold-down clips for all acoustic lay-in ceiling panels at vestibules, at sloped ceilings, at fire-rated ceilings, and within 6 feet of exterior doors without vestibules.
7. At ceiling furring details, the suspended assemblies, bracing, blocking, etc. shown on the details are for schematic representation only. Provide stable, secure and permanent assemblies at these locations in accordance with recommended light-gage steel framing installation practices.
8. At partitions that do not extend to deck above, extend partition 4" minimum above highest adjacent ceiling and brace per Floor Plan Legend and Floor Plan Notes.
9. Contractor shall locate new ceiling grid according to the architectural reflected ceiling plans. Contractor shall locate equipment locations shown on consultant drawings accordingly.
10. Contractor to locate new equipment centered in ceiling tiles. Notify Architect of any discrepancies.

REFLECTED CEILING PLAN LEGEND

EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

CEILINGS:

	EXISTING ACOUSTIC LAY-IN CEILING TILE TO REMAIN
ACT-01	ACOUSTIC LAY-IN CEILING TILE 24" X 24"
ACT-02	EXISTING GRID TO REMAIN, NEW ACOUSTIC LAY-IN CEILING TILE, HIGH NRC 24" X 24"
ACT-03	ACOUSTIC LAY-IN CEILING TILE, HIGH NRC 24" X 24"
	EXISTING GYPSUM BOARD CEILING TO REMAIN
PT-01	5/8" GYPSUM BOARD CEILING PAINTED PT-01, U.N.O.
AP	PYRAMID CEILING DIFFUSER PANELS (SIZE)
	LIGHT FIXTURES. Refer to Electrical Drawings.
	SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.
P-C	CEILING MOUNTED PROJECTOR
M-C	CEILING MOUNTED MONITOR

PARTITION LEGEND

1HR	1-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*1-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.
2HR	2-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*2-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.
SMK	SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.
SND	ACOUSTICAL DRYWALL PARTITION / SOUND-CONDITIONED CMU PARTITION. Extend partition to deck above and seal with acoustical sealant. Seal all joints and penetrations with acoustical sealant. Brace partitions per Floor Plan General Notes.
PTD	NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.

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ARCHITECT
VLK Architects
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Director RSJ
Drawn By STH, KM
Designer
Quality Control
Proj. Arch. TQ

PROJECT NO.
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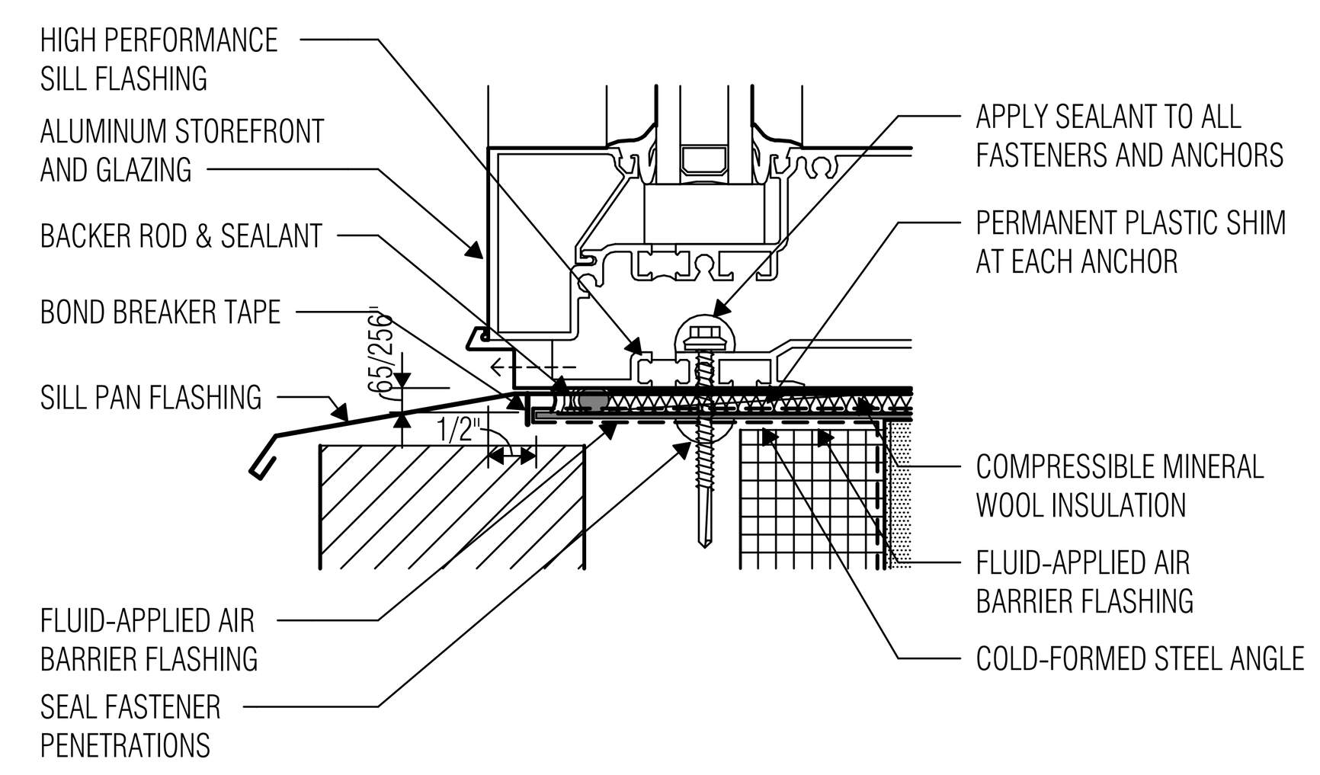
SHEET TITLE
COOK - ENLARGED REFLECTED CEILING PLANS

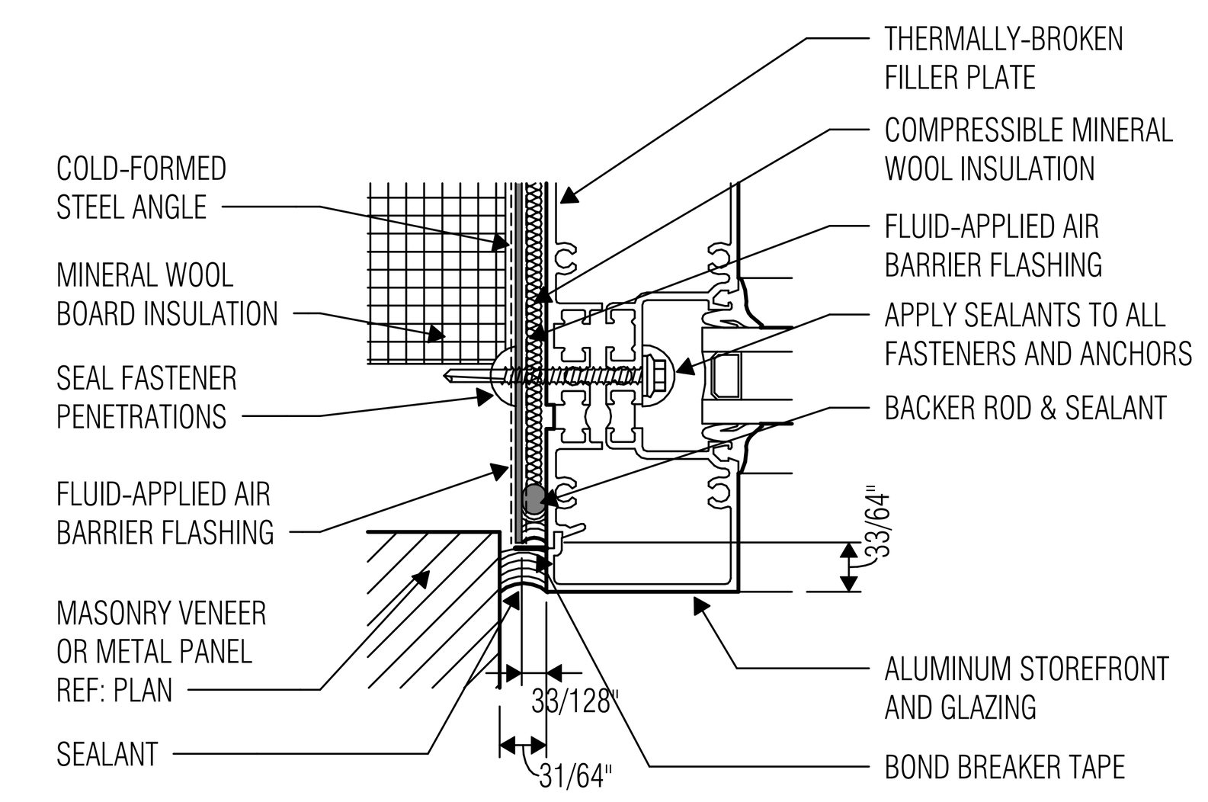
SHEET NO.
A16.20

2024 Cook, Labay & Truitt MS Renovations

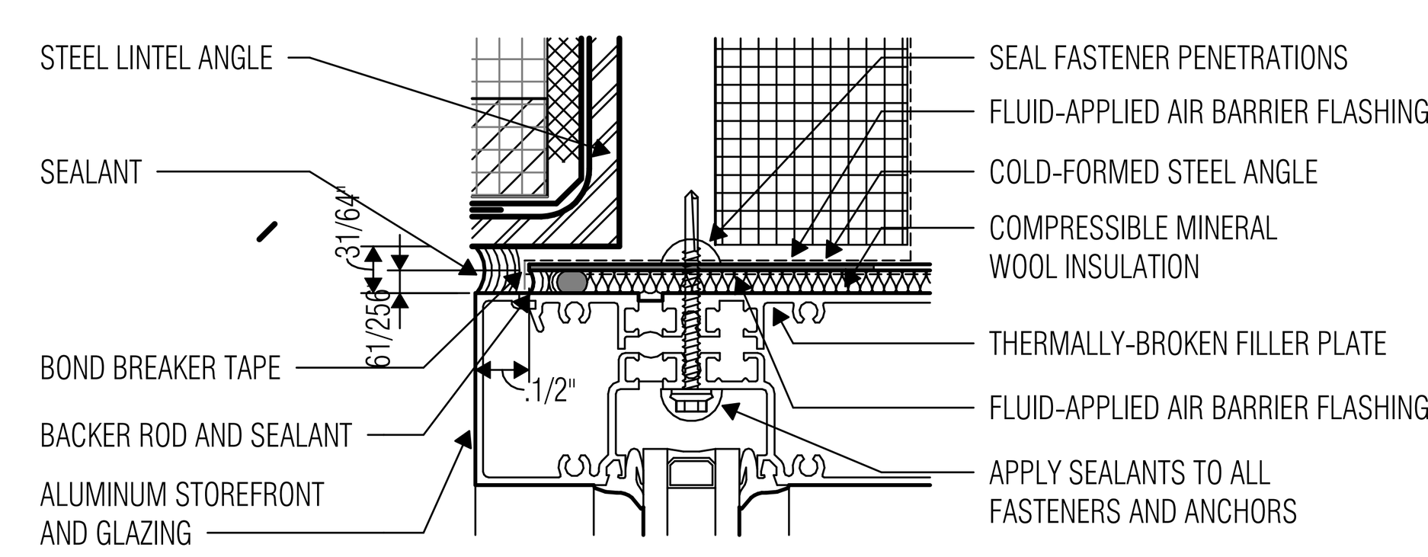
DOOR NUMBER	DOOR TYPE	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	FIRE RATING	HDWR SET	REMARKS
1	X-SFD1		6'-0"	8'-10"		5.0	
2	X-SF1		3'-0"	8'-10"		12.0	
3	F2		4'-0"	8'-10"		18.0	PROVIDE (2) PEEP HOLES
5	NL5		3'-0"	8'-10"		6.1	PROVIDE (2) PEEP HOLES
6	NL5		3'-0"	8'-10"		6.1	PROVIDE (2) PEEP HOLES
7	X-F2		3'-0"	8'-10"		6.1	
8	NL5		3'-0"	8'-10"		6.1	PROVIDE (2) PEEP HOLES
9	NL5		3'-0"	8'-10"		6.1	PROVIDE (2) PEEP HOLES
11	X-FD2		6'-0"	8'-10"		6.1	
12	X-FD2		6'-0"	8'-10"		6.1	
13	X-SF1		3'-1"	8'-10"		2.1	
14	X-SF1		3'-1"	8'-10"		2.1	
15	X-SFD1		6'-0"	8'-10"		2.0	
17	X-FD2		6'-0"	8'-10"		6.1	
19	X-F2		3'-8"	8'-10"		1	
20	NL2		3'-0"	8'-10"		18.0	PROVIDE (2) PEEP HOLES
21	X-F2		3'-0"	6'-10"		6.1	
22	X-SFD1		6'-4"	8'-10"		3.0	
25	X-SF1		3'-0"	9'-0"		2.1	
26	X-SF1		3'-0"	9'-0"		6.0	
28	X-SF1		3'-0"	9'-0"		2.1	
30	X-SF1		3'-0"	9'-0"		8.0	
100	X-NL2		3'-0"	8'-10"		10.0	
101	X-NL2		3'-0"	8'-10"		10.0	
102	X-NL2		3'-0"	8'-10"		10.0	
104	X-NL2		3'-0"	8'-10"		10.0	
106	X-NL2		3'-0"	8'-10"		10.0	
107	X-F2		3'-0"	8'-10"		13.0	
111	X-NL2		3'-0"	8'-10"		11.0	
112	X-NL2		3'-0"	8'-10"		11.0	
113	X-F2		3'-0"	8'-10"		10.0	
115.2	X-SFD1		6'-0"	8'-10"		17.0	
116	X-NL2		3'-0"	8'-10"		10.0	
117	X-NL2		3'-0"	8'-10"		10.0	
118	X-F2		3'-0"	8'-10"		13.0	
120	X-NL2		3'-0"	8'-10"		10.0	
121	X-NL2		3'-0"	8'-10"		10.0	
125	X-NL2		3'-0"	8'-10"		10.0	
126	X-NL2		3'-0"	8'-10"		10.0	
127	X-NL2		3'-0"	8'-10"		10.0	
128	X-NL2		3'-0"	8'-10"		10.0	
129	X-F2		3'-0"	8'-10"		13.0	
134	X-NL2		3'-0"	8'-10"		10.0	
135	X-NL2		3'-0"	8'-10"		11.0	
136	X-NL2		3'-0"	8'-10"		11.0	
139	X-NL2		3'-0"	8'-10"		10.0	
141	X-F2		3'-0"	8'-10"		10.0	
142	X-NL2		3'-0"	8'-10"		10.0	
143	X-F2		3'-0"	8'-10"		10.0	
144	X-F2		3'-0"	8'-10"		10.0	
205	X-NL2		3'-0"	8'-10"		11.0	
245	X-NL2		3'-0"	8'-10"		10.0	
252	X-NL2		3'-0"	8'-10"		10.0	
253	X-NL2		3'-0"	8'-10"		11.0	
316.1	NL2		3'-0"	8'-10"		13.1	SIGN TYPE B
316.2	NL2		3'-0"	8'-10"		19.0	SIGN TYPE B
317	NL2		3'-0"	6'-10"		18.0	SIGN TYPE B
318	NL2		3'-0"	6'-10"		18.0	SIGN TYPE B
400	X-SF1		3'-0"	8'-10"		-	
400.1	X-SF1		3'-0"	8'-10"		-	
400.2	X-SF1		3'-0"	8'-10"		-	
403	X-F2		3'-0"	8'-10"		13.0	
404	X-F2		3'-0"	8'-10"		13.0	
411	X-NL2		3'-0"	8'-10"		13.0	
411.1	X-NL2		3'-0"	8'-10"		13.0	
422	X-F2		3'-0"	8'-10"		14.0	
425	X-F2		3'-0"	8'-10"		13.0	
531	NL3		3'-0"	8'-10"		19.0	SIGN TYPE B
532	NL3		3'-0"	8'-10"		19.0	SIGN TYPE B
533	NL3		4'-0"	8'-10"		18.0	SIGN TYPE B
534	FD2		6'-0"	8'-10"		20.0	SIGN TYPE A
612	X-F2		3'-0"	8'-10"		-	
614	X-FD2		6'-0"	8'-10"		15.0	
623.1	X-F2		3'-0"	8'-10"		13.1	
OHD	OH1		10'-0"	8'-10"		-	MOTORIZED



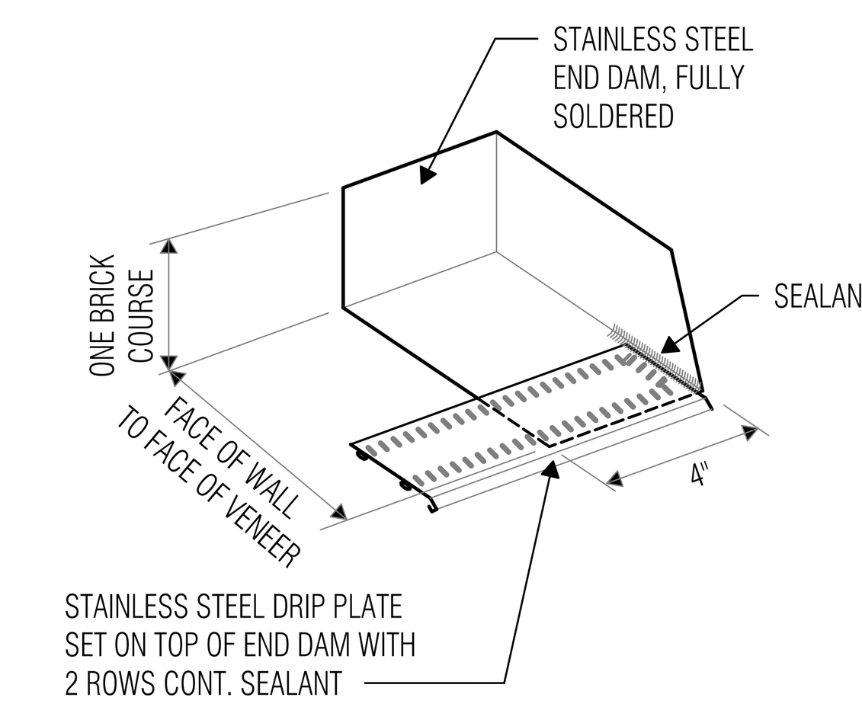
1 DETAIL AT STOREFRONT SILL FLASHING
SCALE: 6" = 1'-0"



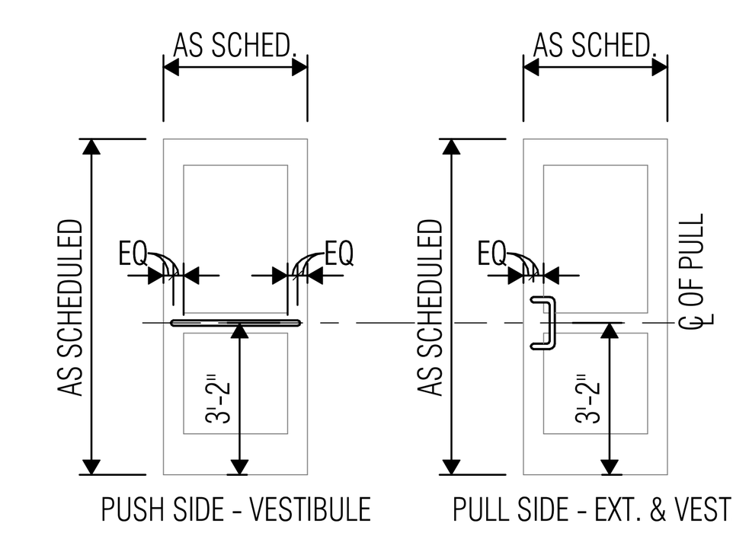
2 DETAIL AT STOREFRONT JAMB FLASHING
SCALE: 6" = 1'-0"



3 DETAIL AT STOREFRONT HEAD FLASHING
SCALE: 6" = 1'-0"



4 S.S. END DAM AT DOOR & WINDOW JAMBS
SCALE: 3" = 1'-0"



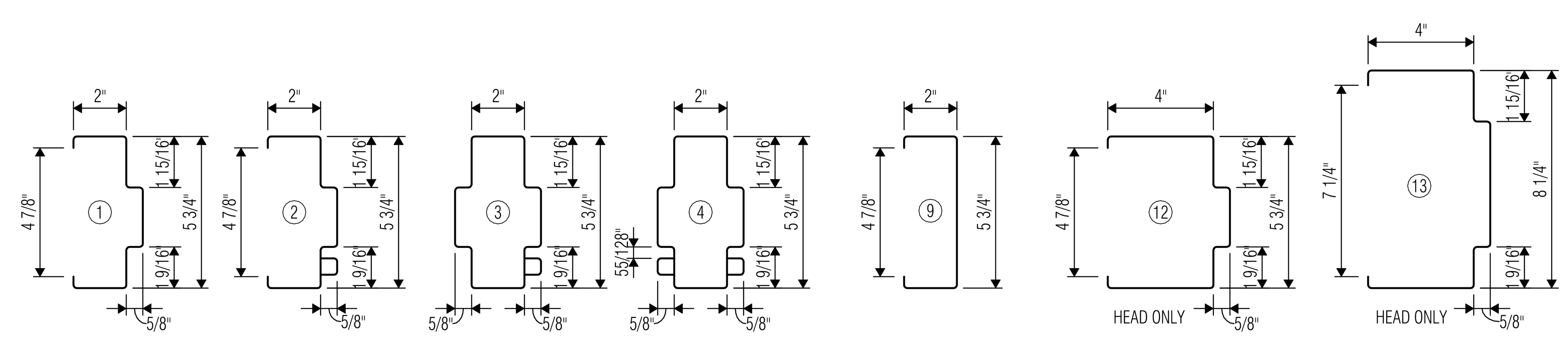
PUSH/ PULL HEIGHTS
SCALE: 1/4" = 1'-0"

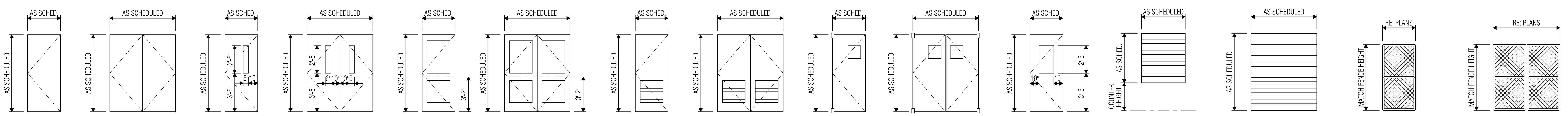
DOOR SCHEDULE NOTES

1. At Doors marked 'SMK', provide smoke seals at frame and door bottom to resist the passage of smoke. Provide threshold if required by code or if necessary for proper function of door bottom seal.
2. At Doors marked 'SND', provide sound seals at frame and door bottom.
3. At Doors without a Frame Type designation, the door frame is part of a Glazing System.
4. At Doors with a Frame Type designation "AL", the door frame is an interior aluminum frame that is not part of a glazing system
5. At Doors with a Frame Type designation "N/A", there is no door frame required (e.g. all-glass doors, gates, etc.).
6. At Doors with a Frame Type designation "REF DET", refer to the referenced Head and Jamb detail for frame information.
7. At Doors with a Door Type or Frame Type designation "EX", the door or door frame is existing to remain.
8. Refer to Hardware Schedule for additional information regarding hardware.
9. Vision panels at non-rated interior doors shall be 1/4" clear tempered glass (CT4) U.N.O. Vision panels at interior fire-rated glass (CC4) U.N.O. Vision panels at exterior doors shall be 1" tinted tempered insulating glass (TT1) U.N.O.
10. Refer to Glazing System Elevation Sheets for Glass Types.

DOOR SCHEDULE KEYED NOTES

1. CASED OPENING
2. DOUBLE EGRESS DOORS
3. FIRE-RATED WIRED GLASS
4. FIRE-RATED CERAMIC GLASS
5. KEYED REMOVABLE MULLION
6. ELECTROMAGNETIC HOLD-OPEN
7. MANUAL HOLD-OPEN, FLOOR MOUNTED
8. MANUAL HOLD-OPEN, OVERHEAD
9. ACCESS CONTROL / CARD READER
10. DOOR POSITION SWITCH
11. APPLIED SOUND SEALS & THRESHOLD





1-3/4" THICK FLUSH DOOR SINGLE
F1 PLASTIC LAMINATE
F2 PAINTED HOLLOW METAL
F3 PAINTED METAL SOUND CONTROL DOOR & FRAME

1-3/4" THICK FLUSH DOOR DOUBLE
FD1 PLASTIC LAMINATE
FD2 PAINTED HOLLOW METAL
FD3 PAINTED METAL SOUND CONTROL DOOR & FRAME

1-3/4" THICK DOOR W/ VISION PANEL SINGLE
NL1 PLASTIC LAMINATE
NL2 PAINTED HOLLOW METAL
NL3 PAINTED METAL SOUND CONTROL DOOR & FRAME
*(4" x 24" VISION PANEL AT 60/90 MIN. RATED)

1-3/4" THICK DOOR W/ VISION PANEL DOUBLE
NLD1 PLASTIC LAMINATE
NLD2 PAINTED HOLLOW METAL
NLD3 PAINTED METAL SOUND CONTROL DOOR & FRAME
*(4" x 24" VISION PANEL AT 60/90 MIN. RATED)

GLAZED ENTRANCE DOOR SINGLE
SF1 ALUMINUM & GLASS WIDE STILE
SF2 ALUMINUM & GLASS NARROW STILE

GLAZED ENTRANCE DOOR DOUBLE
SFD1 ALUMINUM & GLASS WIDE STILE

1-3/4" THICK DOOR WITH LOUVER SINGLE
L1 PLASTIC LAMINATE
L2 PAINTED HOLLOW METAL

1-3/4" THICK DOOR WITH LOUVER DOUBLE
LD1 PLASTIC LAMINATE
LD2 PAINTED HOLLOW METAL

KITCHEN TRAFFIC DOOR SINGLE
K1 STAINLESS STEEL
K2 ALUMINUM

KITCHEN TRAFFIC DOOR DOUBLE
KD1 STAINLESS STEEL
KD2 ALUMINUM

1-3/4" THICK DOOR W/ HALF LITE SINGLE
HG1 PLASTIC LAMINATE
HG2 PAINTED HOLLOW METAL
HG3 PAINTED METAL SOUND CONTROL DOOR & FRAME

COILING COUNTER DOOR
OC1 NON-INSULATED, STAINLESS STEEL, MANUAL
OC2 NON-INSULATED, STAINLESS STEEL, MOTORIZED

OVERHEAD COILING DOOR
OH1 NON-INSULATED, STAINLESS STEEL, MANUAL
OH2 NON-INSULATED, STAINLESS STEEL, MOTORIZED

FENCE GATE SINGLE
G GALVANIZED CHAINLINK PROVIDE CHAIN AND LOCK WELDED TO GATE.

FENCE GATE DOUBLE
GD GALVANIZED CHAINLINK PROVIDE CHAIN AND LOCK WELDED TO ONE GATE LEAF.

NOTE: " X- " PREFIX INDICATES AN EXISTING DOOR OR FRAME TO REMAIN.

VLK | ARCHITECTS

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

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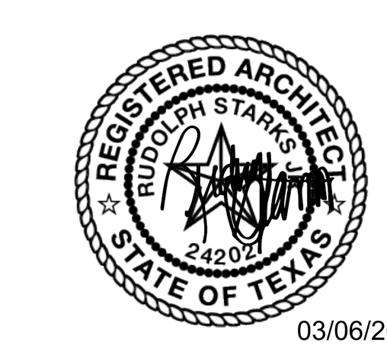
HOUSTON, TEXAS



03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

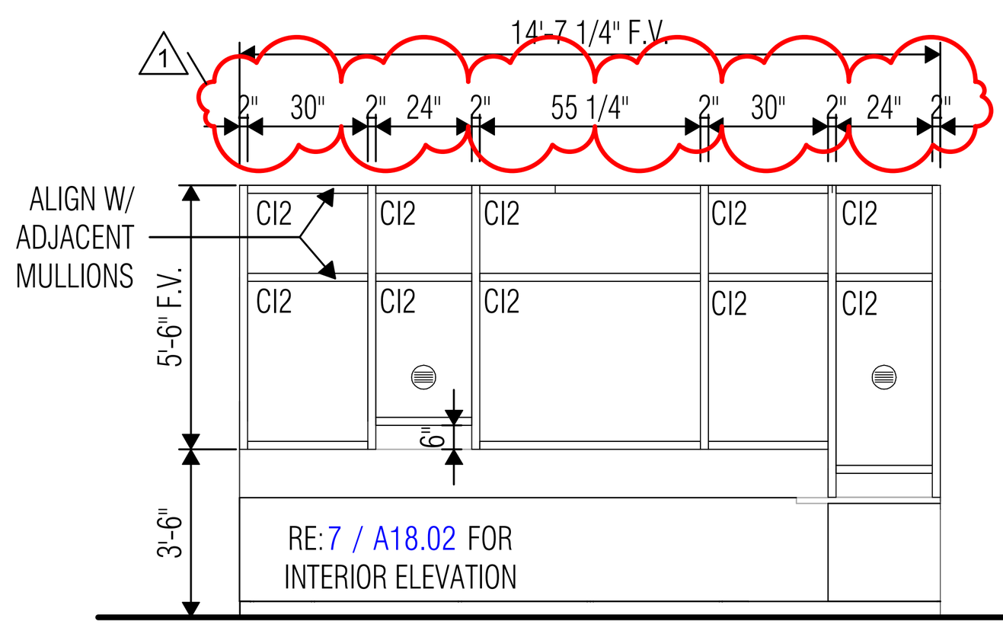
Director: RSJ
Drawn By: STH, KM
Designer
Quality Control: QC
Proj. Arch.: TQ

PROJECT NO.
24-010.00

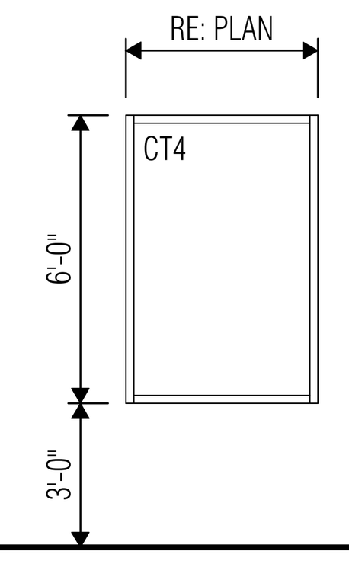
SHEET TITLE
COOK - DOOR TYPES, SCHEDULES, ELEVATIONS & DETAILS

2024 Cook, Labay & Truitt MS Renovations

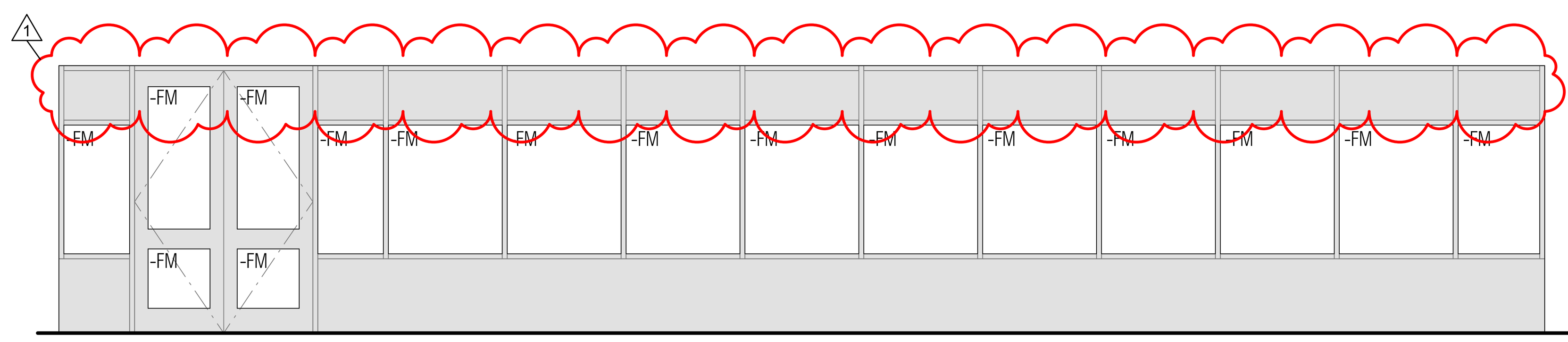
SHEET NO.
A17.01



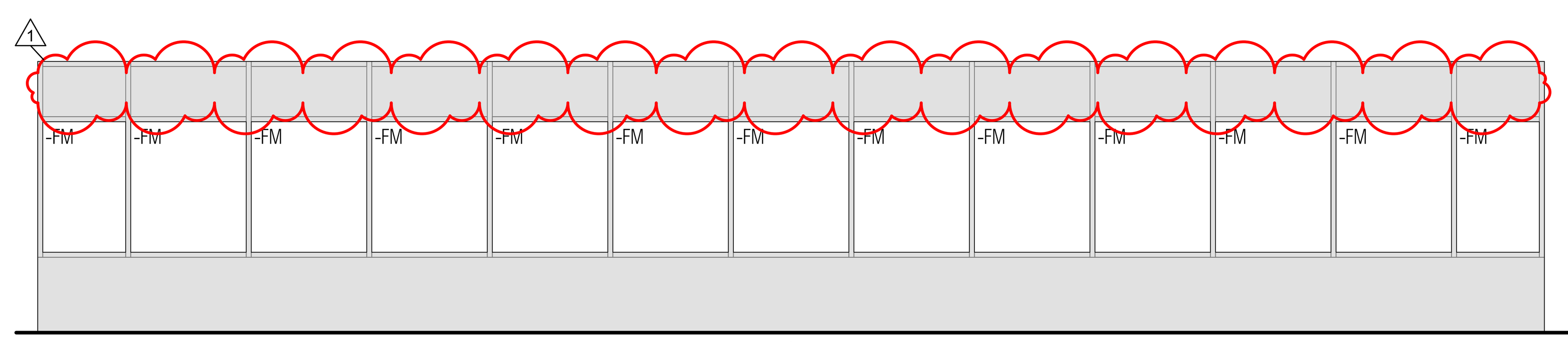
C
NEW ALUM. FRAME AND IR GLAZING



D
NEW ALUM. FRAME AND GLAZING



B
EXISTING ALUM. FRAME NEW IR GLAZING



A
EXISTING ALUM. FRAME NEW IR GLAZING

GLAZING SYSTEM NOTES

1. Overall dimensions of glazing system elevations reflect rough opening dimensions, inclusive of perimeter joints.
2. Provide 3/16" thick heavy wall framing members at all door frames in exterior and interior aluminum Storefront systems.
3. Provide 3/16" thick heavy wall door adapters at all door frame members in exterior and interior aluminum Curtain Wall systems.
4. Door opening dimensions in Curtain Wall systems reflect 1" door adapters at jamb conditions, and 1-3/4" door adapters at head conditions. Adjust dimensions between mullions at door openings in curtain wall systems as required for actual size of door adapters provided. Door sizes as identified in Door Schedule shall be maintained.
5. Refer to A7.01 for Typical Push/Pull Mounting Heights Detail for aluminum/glass doors

GLASS TYPE LEGEND

CT4 CLEAR, TEMPERED, 1/4" THICK GLASS
CI2 CLEAR, IMPACT-RESISTANT, 9/16" THICK LAMINATED GLASS

-FM 23 MIL IMPACT RESISTANT FILM OVERLAY, FIELD-APPLIED TO GLAZING UP TO 7'-0" A.F.F.
- IF A PORTION OF THE GLAZING UNIT IS ABOVE 7'-0", APPLY FILM TO THE ENTIRE GLAZING UP TO MULLION.
- DO NOT SPLICE FILM ON INTERIOR OR EXTERIOR GLAZING UNITS.

GLAZING SHOWN WITH GREY HATCH IS EXISTING TO REMAIN

GLAZING SYSTEM LEGEND

STOREFRONT FRAMING WITH 3/16" THICK 'HEAVY WALL' MATERIAL. TYPICAL AT ALL DOOR FRAME MEMBERS IN STOREFRONT GLAZING SYSTEMS.

CURTAIN WALL FRAMING WITH STEEL REINFORCING PROVIDED BY MANUFACTURER.

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT – RUDOLPH STARKS – 24202 – STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
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Proj. Arch.: TQ

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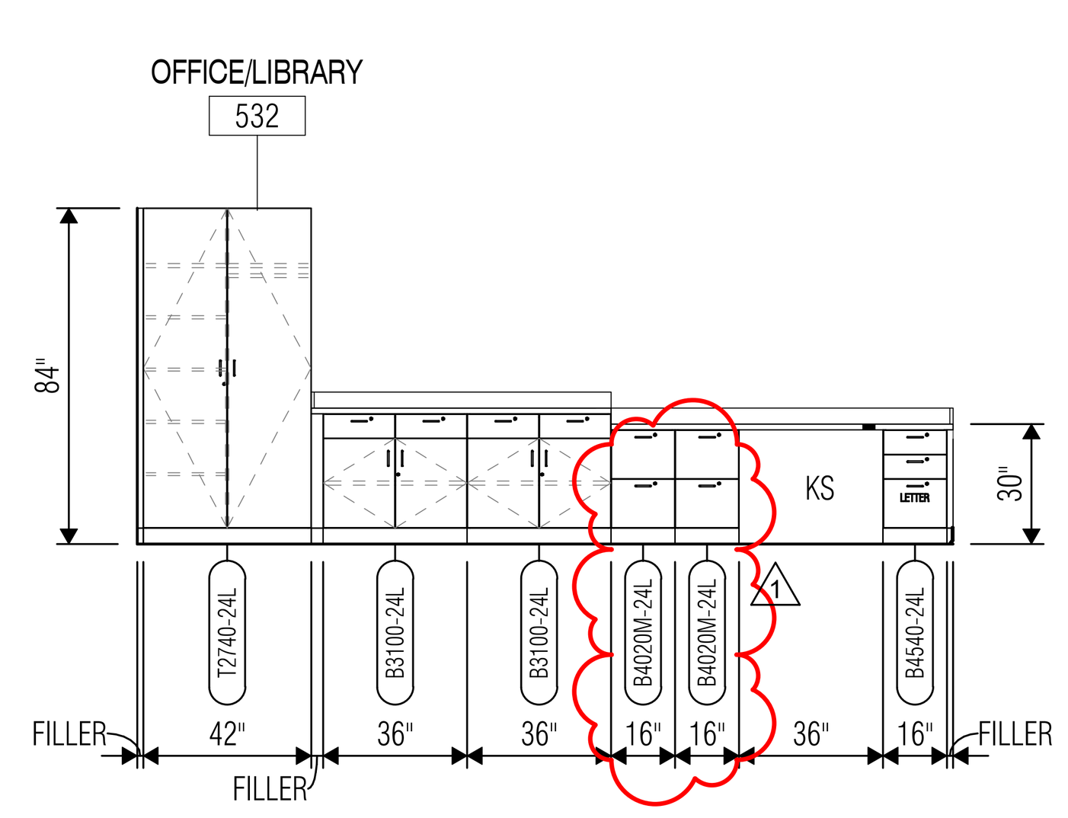
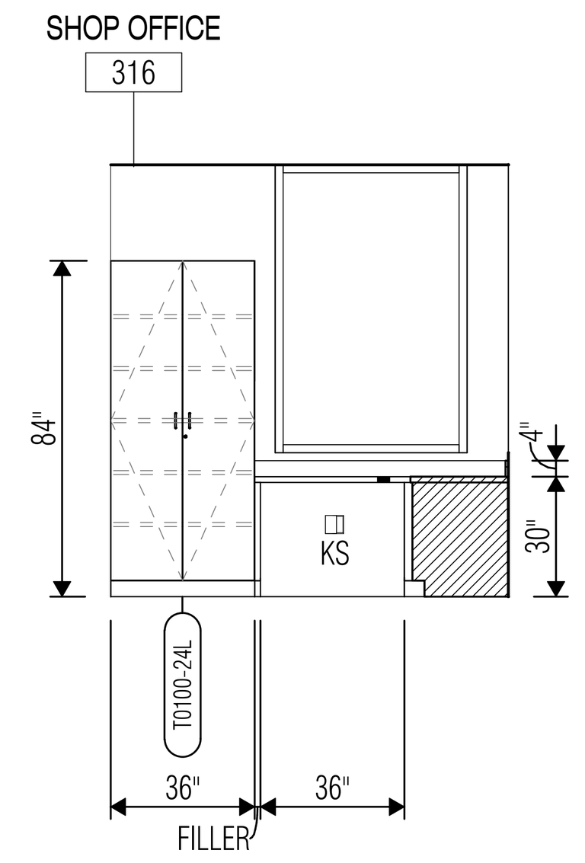
SHEET TITLE
COOK - GLAZING ASSEMBLY TYPES, SCHEDULES, ELEVATIONS & DETAILS

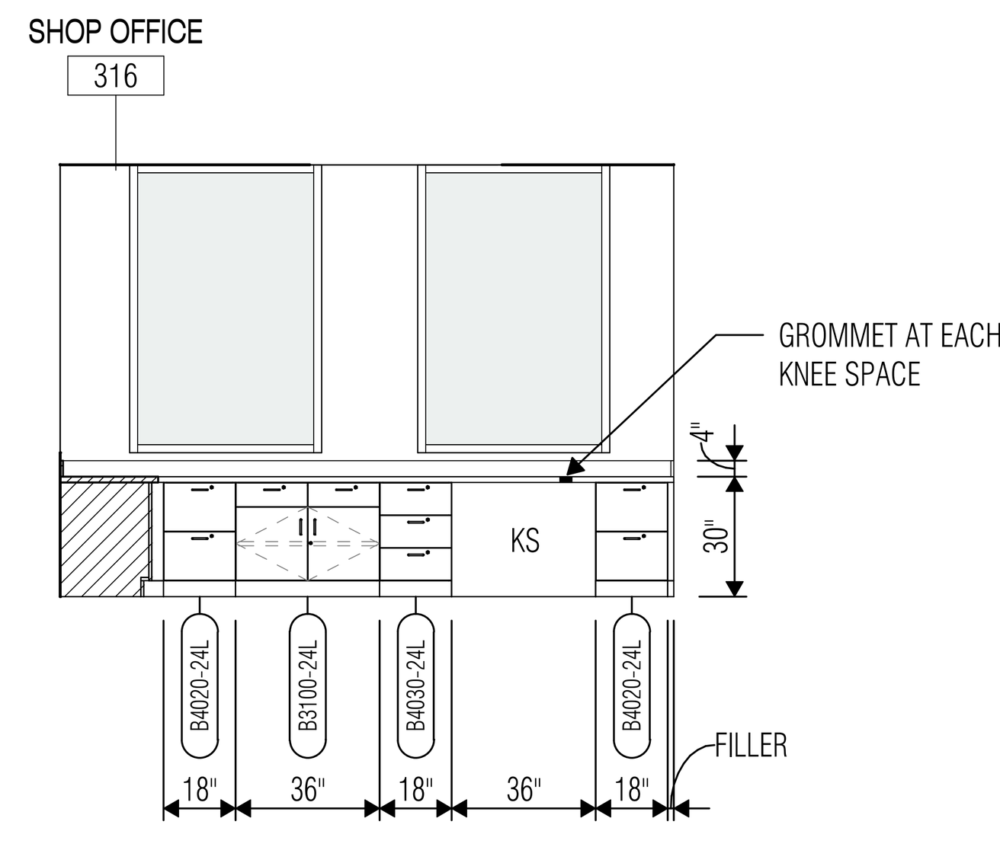
SHEET NO.
A17.11



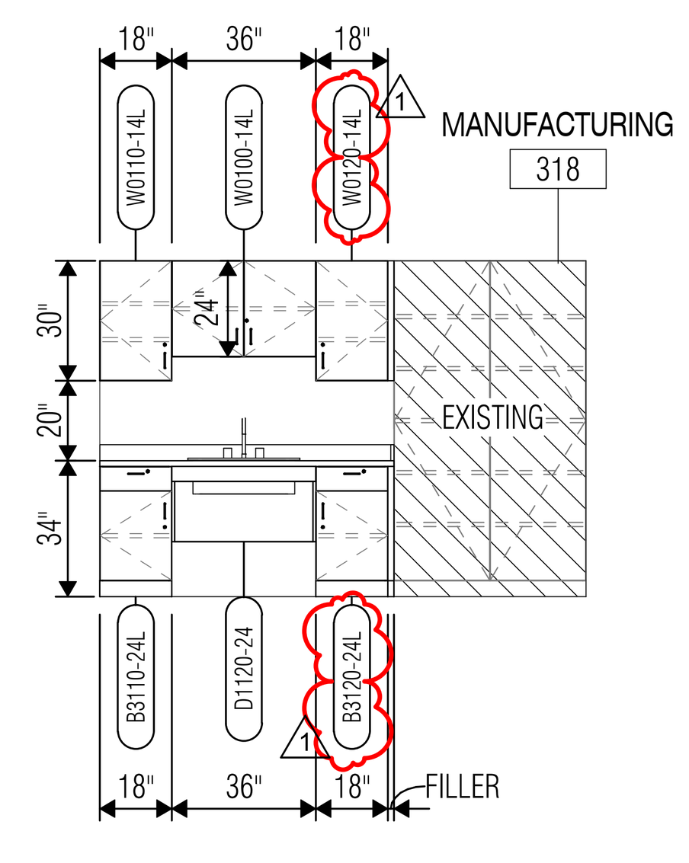
1 CASEWORK ELEVATION
SCALE: 1/4" = 1'-0"



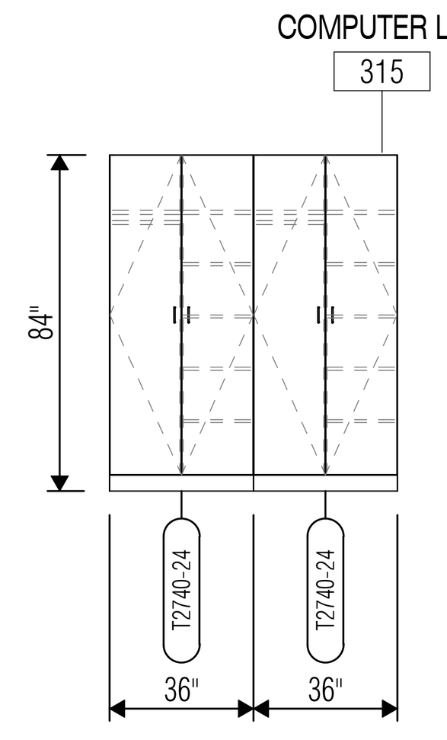
2 CASEWORK ELEVATION
SCALE: 1/4" = 1'-0"



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



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



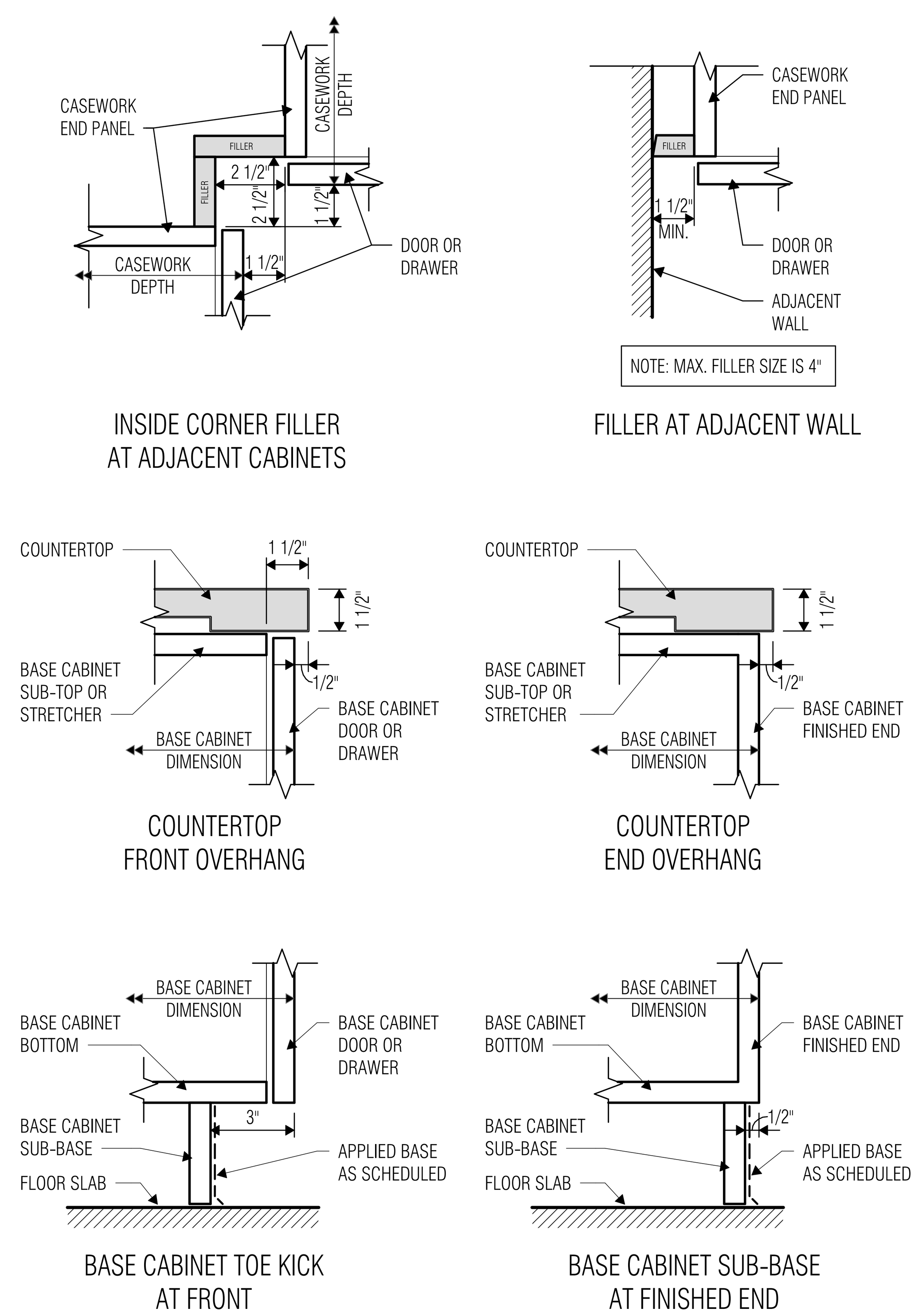
5 CASEWORK ELEVATION
SCALE: 1/4" = 1'-0"

CASEWORK NOTES

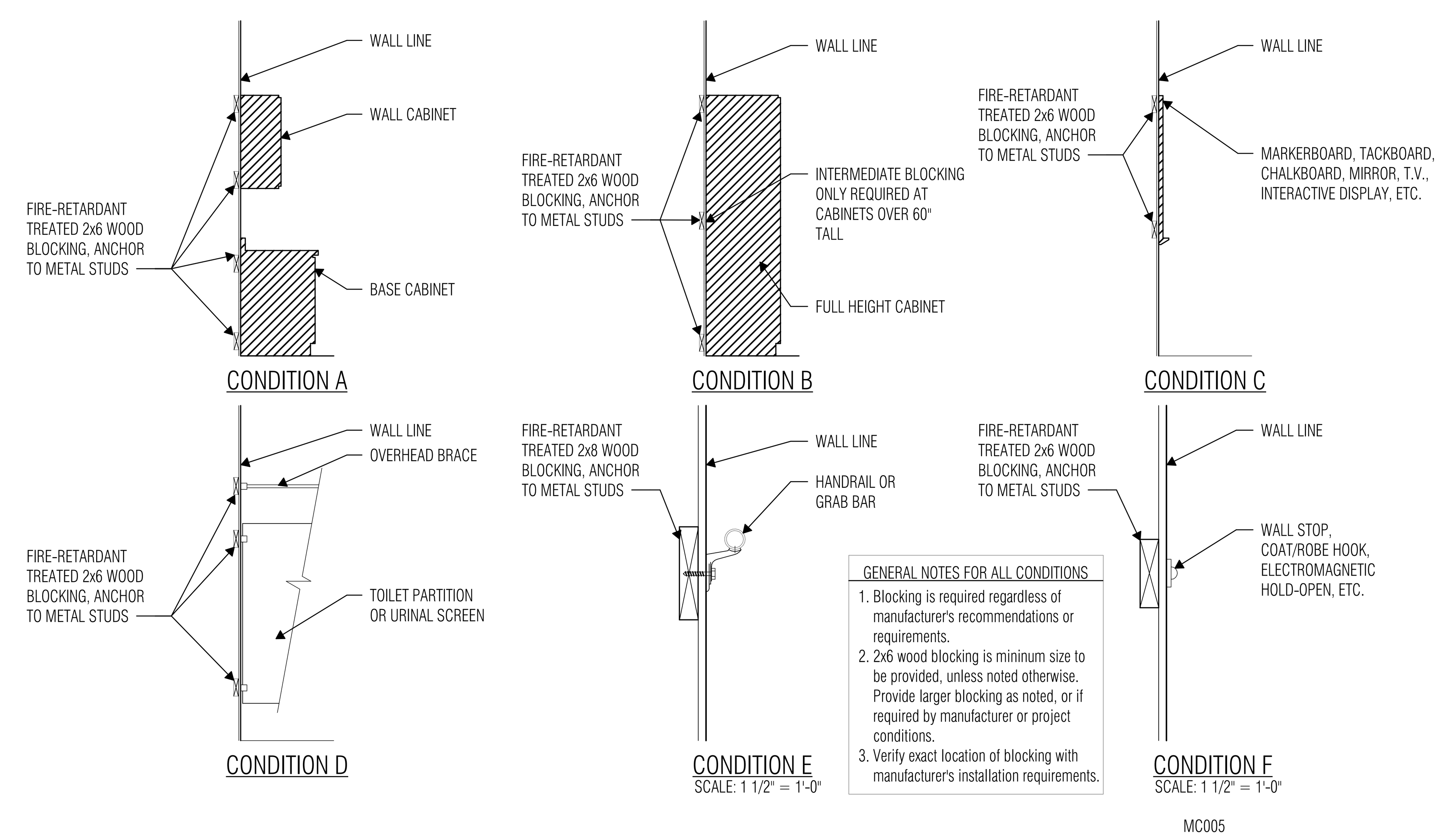
1. Casework shall meet criteria set forth in Americans with Disabilities Act and Texas Accessibility Standards.
2. All casework model numbers are based on Case Systems, Inc. Refer to casework elevations for height and width of each unit.
3. Coordinate locations of electrical and/or plumbing within casework and millwork. Notify Architect of any conflicts prior to installation.
4. Coordinate all column locations prior to installation of casework.
5. Refer to Floor Plan Notes for blocking requirements at stud partitions.
6. All adjustable shelves longer than 2'-3", and shelves of any length at open shelving units, shall be 1" thick..
7. Provide finished surface on all exposed surfaces.
8. Plastic Laminate on all casework shall be PL-_ U.N.O.
9. Provide fillers and finished end panels (F.E.) as required. Refer to Typical Casework Details for filler requirements.
10. Provide locks on all doors and drawers as indicated.
11. All counters shall have 4" high splashes, U.N.O.
12. At countertop locations, no joints in plastic laminate should occur over knee spaces, or within 24 inches of sinks and lavatories.
13. Casework cabinet doors and drawers shall be flush overlay.
14. Base cabinets should not extend to floor. Sub-base shall be separate and recessed 1/2" at sides of cabinet to receive rubber base.
15. Provide 1-1/2" thick divider panel between knee spaces and adjacent spaces (e.g. dishwasher openings, other knee spaces, etc.).
16. At front of casework, countertops shall extend 1/2" over base cabinet door/drawer (approximately 1-1/2" over base cabinet body). At ends of casework, countertops shall extend 1/2" over base cabinet body. Refer to Typical Casework Details.
17. Provide custom height at all file-size drawers to be a minimum of 1'-0" deep. Provide locks at all file-size drawers.

C.S.I. CATALOG CASEWORK NUMBER — XXXXXM-24LV
CASEWORK NOMINAL DEPTH
V = LIGHT VALANCE PANEL (C.S.I. #R9600-03)
M = MODIFIED FROM STANDARD CATALOG SELECTION
L = LOCKED CABINET

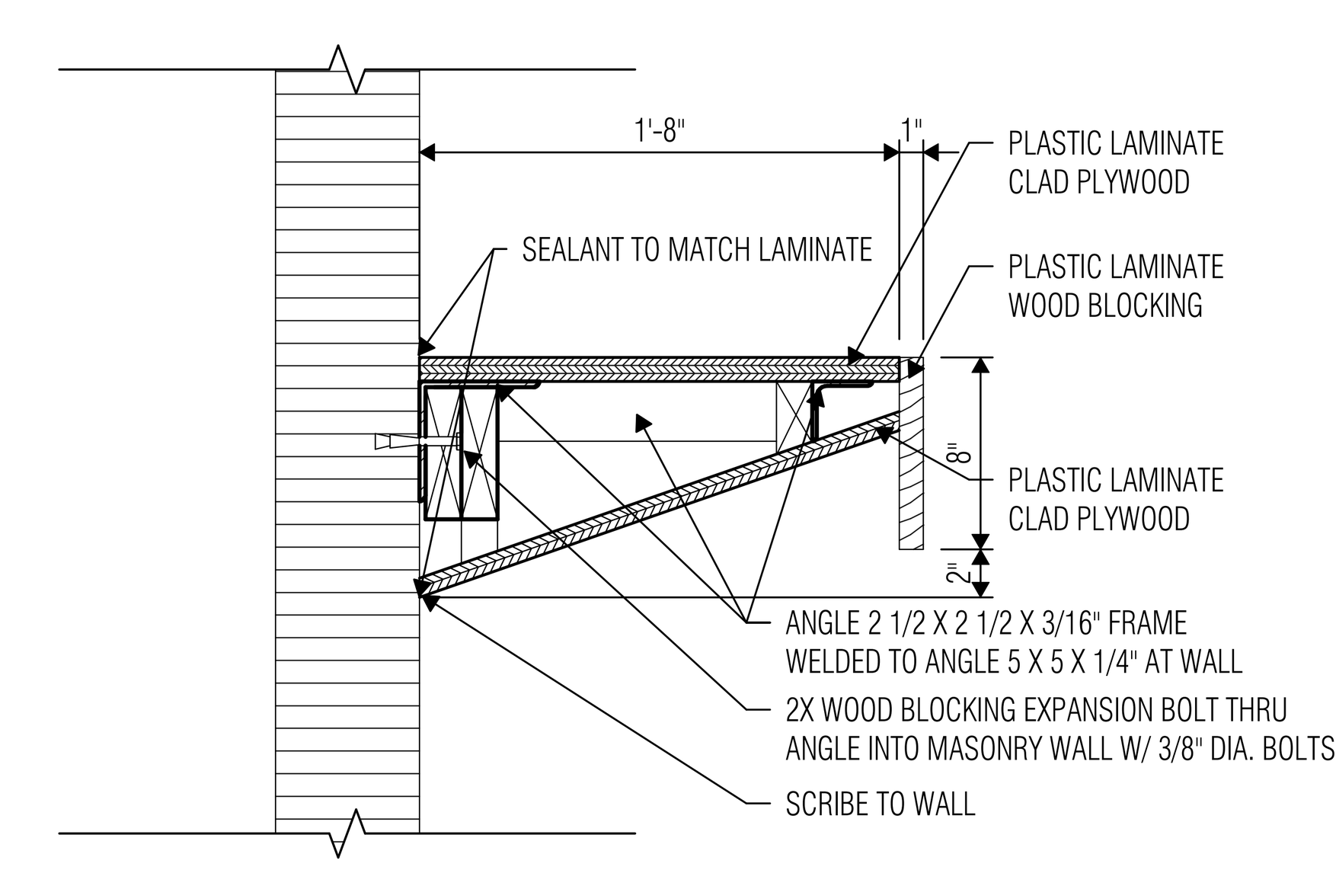
NOTE:
1. The height indicated at base cabinets includes the countertop.



TYPICAL CASEWORK DETAILS
SCALE: 3" = 1'-0"



TYPICAL WOOD BLOCKING DETAILS
SCALE: 3/8" = 1'-0"



6 TROPHY SHELF DETAIL
SCALE: 1 1/2" = 1'-0"

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ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

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HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT RUDOLPH STARKS 24202 STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
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Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

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24-010.00

SHEET TITLE
COOK - CASEWORK ELEVATIONS & DETAILS

SHEET NO.
A18.01

ROOM FINISH SCHEDULE

LEVEL	ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALL	COMMENTS
Not Placed						
COOK - UNIT D.2						
Not Placed	491	VESTIBULE	TZ-01/CO-01	BC	PT	COOK
LEVEL ONE						
COOK - UNIT A						
LEVEL ONE	532	OFFICE/LIBRARY	CPT	BC	PT	COOK
LEVEL ONE	531	PRACTICE	CPT	BC	PT	COOK
LEVEL ONE	533	ENSEMBLE	CPT	BC	PT	COOK
LEVEL ONE	533A	INSTRUMENT STORAGE	RF	BC	PT	COOK
LEVEL ONE	530	ORCHESTRA	CPT	BC	PT	COOK
LEVEL ONE	534	MECHANICAL	CO	BC	PT	COOK
COOK - UNIT C						
LEVEL ONE	400A	ENTRY VESTIBULE	EXST	EXST	EXST	COOK
LEVEL ONE	400	CHECK-IN	EXST	EXST	EXST	COOK
COOK - UNIT D.2						
LEVEL ONE	318	MANUFACTURING	EXST	BC	PT	COOK
LEVEL ONE	317	ENGINEERING	EXST	BC	PT	COOK
LEVEL ONE	315	COMPUTER LAB	EXST	BC	PT	COOK
LEVEL ONE	314	SHOP	EXST/CO	BC	PT	COOK
LEVEL ONE	316	SHOP OFFICE	EXST	BC	PT	COOK
LEVEL ONE	318A	STORAGE	EXST	EXST	EXST	COOK
LEVEL ONE	V314A	VESTIBULE	EXST	PT-03	PT	COOK
LEVEL ONE	316A	STORAGE	EXST	EXST	EXST	COOK

FINISH SCHEDULE NOTES

1. General Finish Notes
   - A. Any finish conflict between finish schedules and finish floor plans to be brought to the architect's attention for resolution.
   - B. Existing doors and operable window hardware shall be cleaned of all dirt and non-original paint.
   - C. Plastic Laminate
     - a. Typical Casework/Millwork cabinet body, doors, and drawer fronts shall be PL-01, unless noted otherwise.
     - b. Countertops shall be PL-02.
     - c. Interior Plastic Laminate clad wood doors to be PL-01.
     - d. All New and Existing Window Sills shall be QTZ-02.
     - e. All remaining casework shall have finished ends to match PL-01.
2. Ceiling Finishes
   - A. Refer to Reflected Ceiling Plans for scheduled finish.
   - B. At ceilings with exposed structure, all exposed elements shall be painted the scheduled color, including mechanical ductwork, electrical, piping, conduit, j-boxes, etc.
   - C. All interior gyp. bd. ceilings to be painted PT-01, unless noted otherwise.
   - D. All interior gyp. bd. furr-downs to be painted PT-01, unless noted otherwise.
3. Floor Finishes
   - A. All substrates receiving new flooring shall be clean of all adhesives and leveled as required to meet the installation recommendations of the flooring manufacturer.
   - B. Refer to Interior Finish Plans for floor finish patterns.
   - C. Refer to Interior Finish Plans for tile origin in each room. If origin point is not indicated, center in middle of the room or corridor.
   - D. All changes in floor material between rooms shall occur at centerline of doorway, unless noted otherwise.
   - E. Level and float flooring at public corridor walls.
   - F. All toilets and other areas capable of water mitigation shall have a 2" x ½" marble threshold with double ¼" bevel edge. The thresholds shall be held in place with thin set.
   - G. Sealant color shall match adjacent material.
   - H. Typical flooring application at brick walls:
     - a. LVT: Rake brick joint at floor level and install sealant between LVT and brick.
     - b. Carpet: Rake brick joint at floor level and tuck carpet tight into raked brick joint.
4. Wall Finishes
   - A. Finishes shall continue to inside corner, unless noted otherwise.
   - B. At painted CMU base, paint as indicated in drawings.
   - C. Paint Information:
     - a. Interior Paint
       - 1 (revision) New interior walls and existing walls within area of work are to be painted PT-01 in their entirety, unless noted otherwise.
       - All interior sealants shall be painted to match adjacent wall.
     - b. Hollow Metal Doors and Windows:
       - Hollow metal doors to be painted PT-02, unless noted otherwise
       - Hollow metal door frames and vision panel frames shall be painted PT-02, unless noted otherwise.
       - At door frames with 2 different colors, transition color at inside corner of door stop, on the door side of the stop.
       - Hollow metal glazed opening frames shall be painted PT-02, unless noted otherwise.

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
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1	Addendum 1	03-06-2025

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Designer
Quality Control
Proj. Arch.: TQ

PROJECT NO.
24-010.00

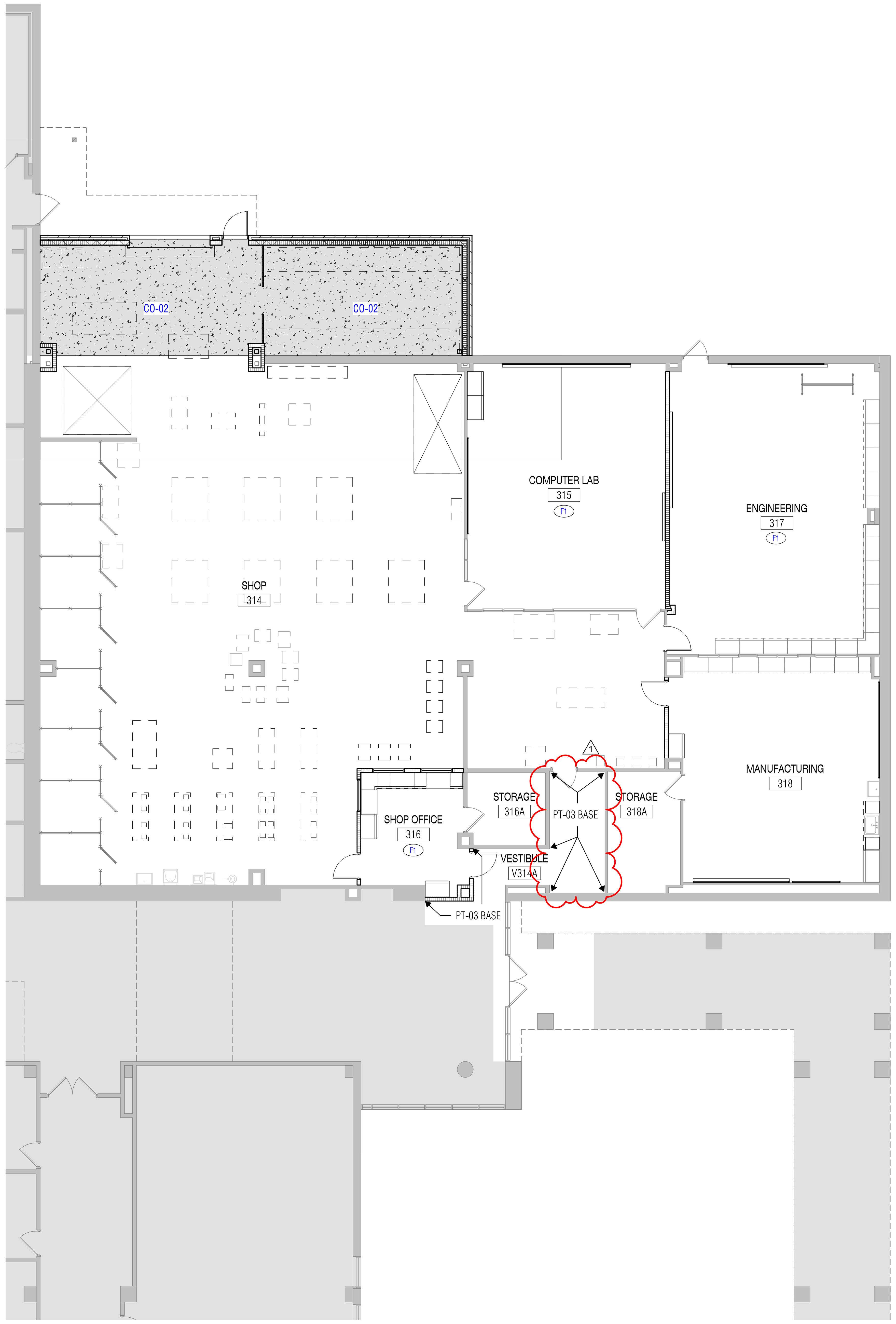
SHEET TITLE
COOK - ROOM FINISH SCHEDULE

SHEET NO.
A19.02

INTERIOR FINISH LEGEND

	CO-01	CONCRETE - SEALED
	CO-02	CONCRETE - POLISHED
	CPT-01	CARPET - FIELD
	CPT-02	CARPET - ACCENT
	RF-01	RESILIENT FLOOR - FIELD
		EXISTING TO REMAIN WITH LIMITED OR NO INTERIOR FINISH WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

F1	EXISTING POLISHED CONCRETE TO BE REFINISHED.



1 INTERIOR FINISH PLAN - LEVEL ONE - UNIT 'D.2'
SCALE: 1/8" = 1'-0"

VLK|ARCHITECTS

ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

KEY PLAN
B A C D.1 D.2 E

REGISTERED ARCHITECT · RUDOLPH STAINS · 24202 · STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

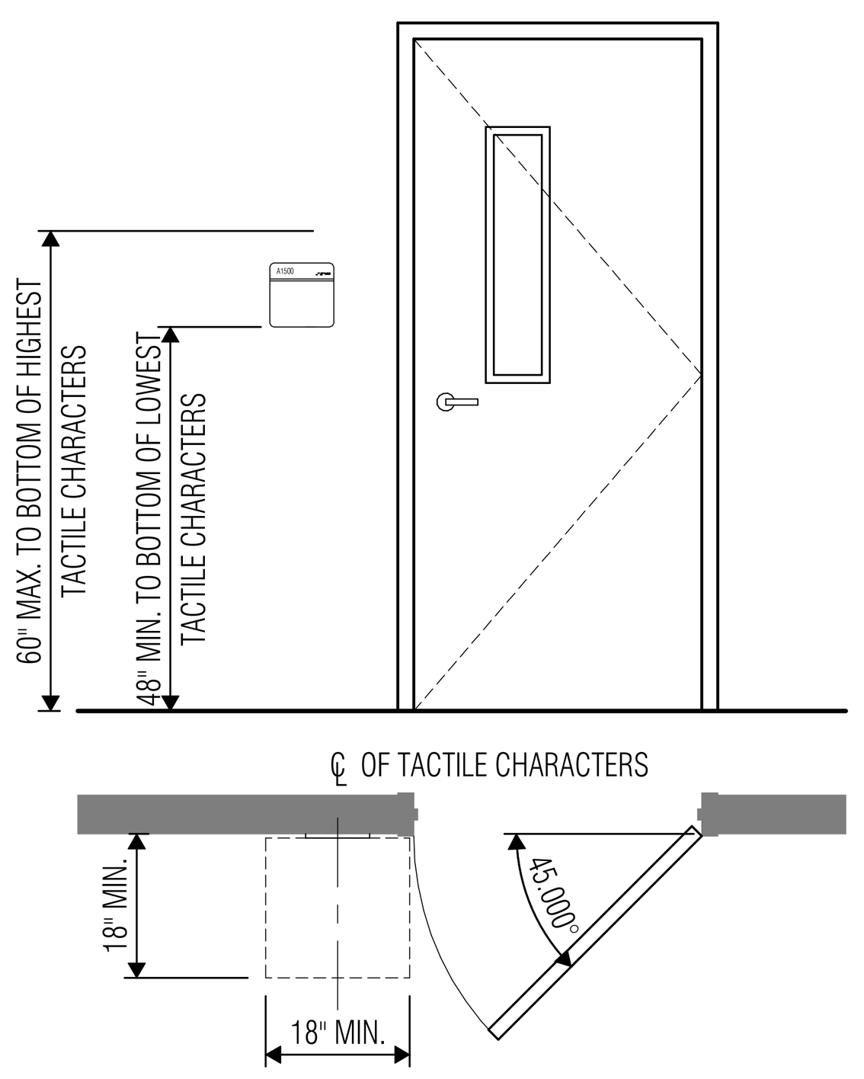
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

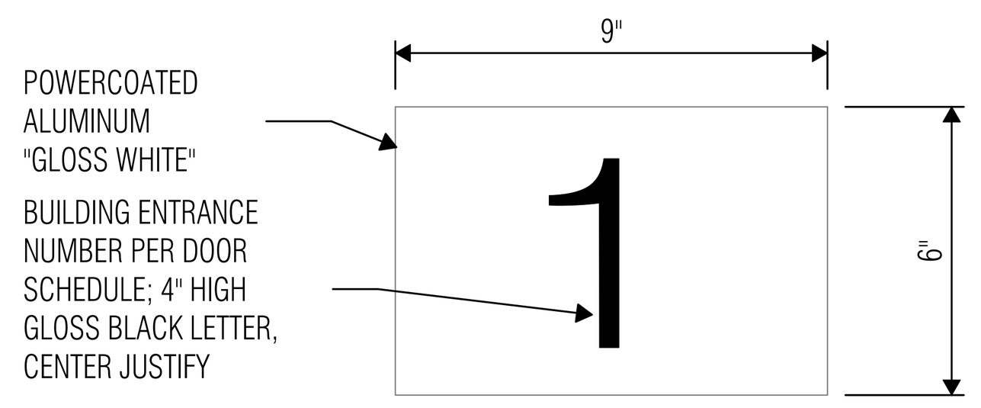
PROJECT NO.
24-010.00

SHEET TITLE
COOK - INTERIOR FINISH PLAN - LEVEL ONE - UNIT D.2

SHEET NO.
A19.11D.2

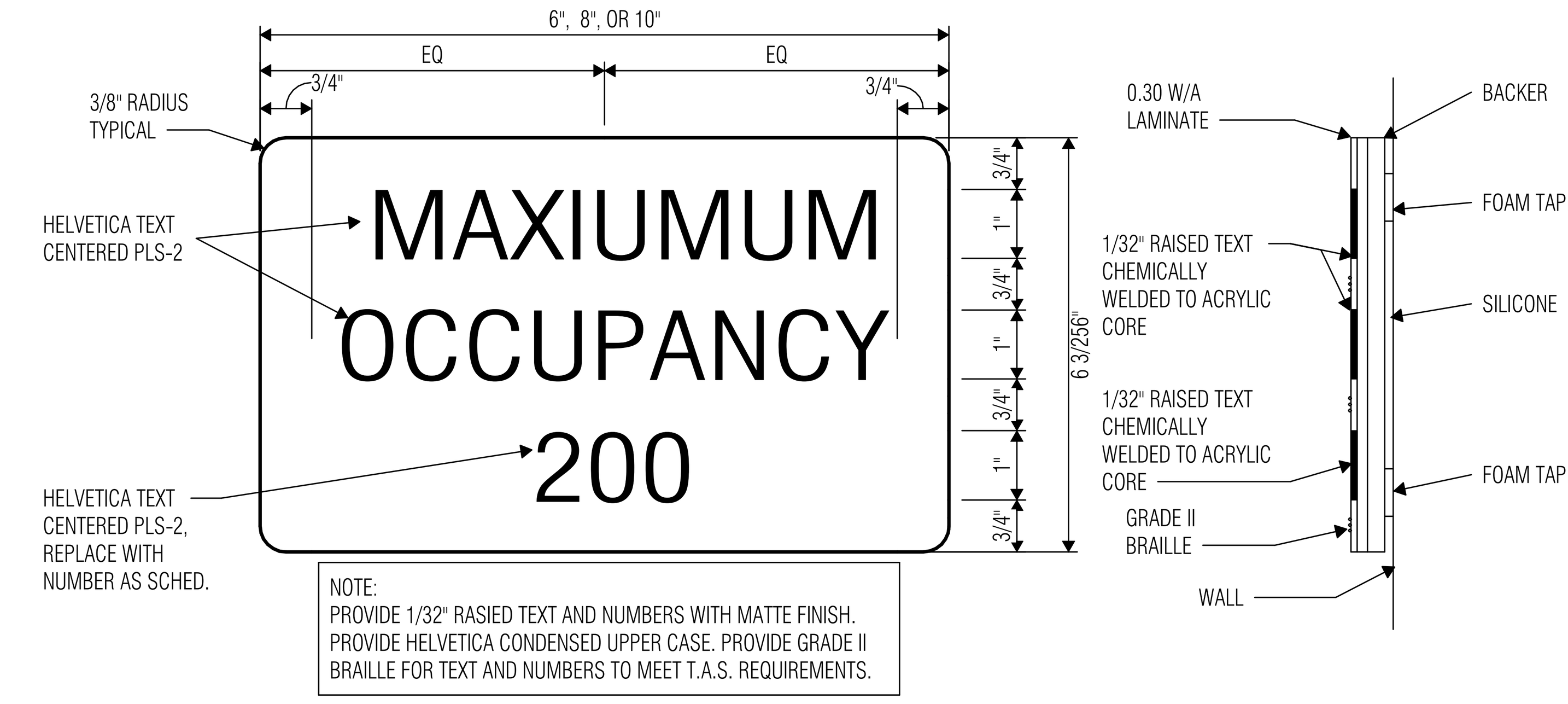


1 DETAIL/ELEV - DOOR SIGN
SCALE: 1/2" = 1'-0"



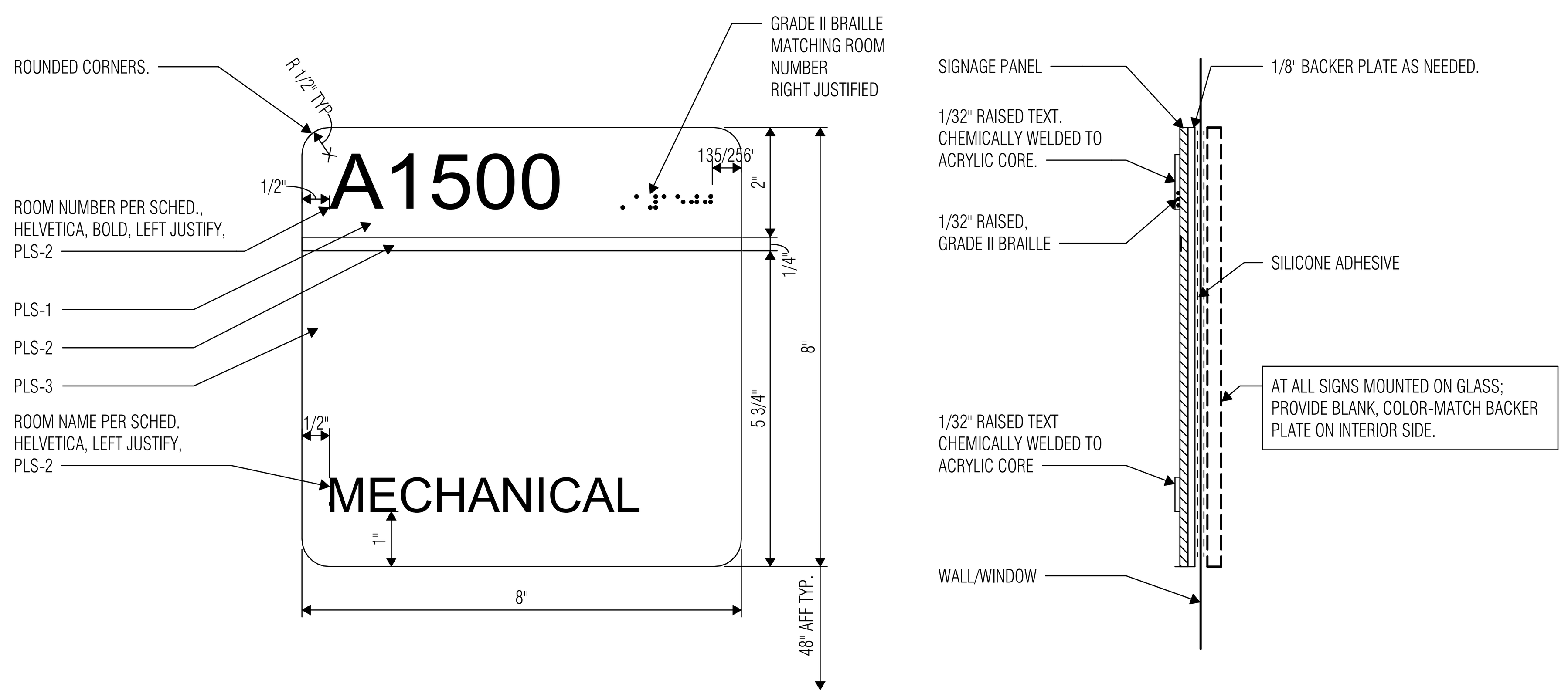
NOTE:
PROVIDE (2) SIGNS AT EACH ENTRANCE AS NOTED. ONE ON THE INTERIOR AND ONE ON THE EXTERIOR. BUILDING ENTRANCE SIGNS SHALL BE MOUNTED ABOVE AND CENTERED ON THE DOOR(S), WITH MECHANICAL FASTENERS (ON WALL) OR CLEAR DOUBLE SIDED VHB TAPE (ON GLAZING).

2 SIGN TYPE 'D'
SCALE: 3" = 1'-0"

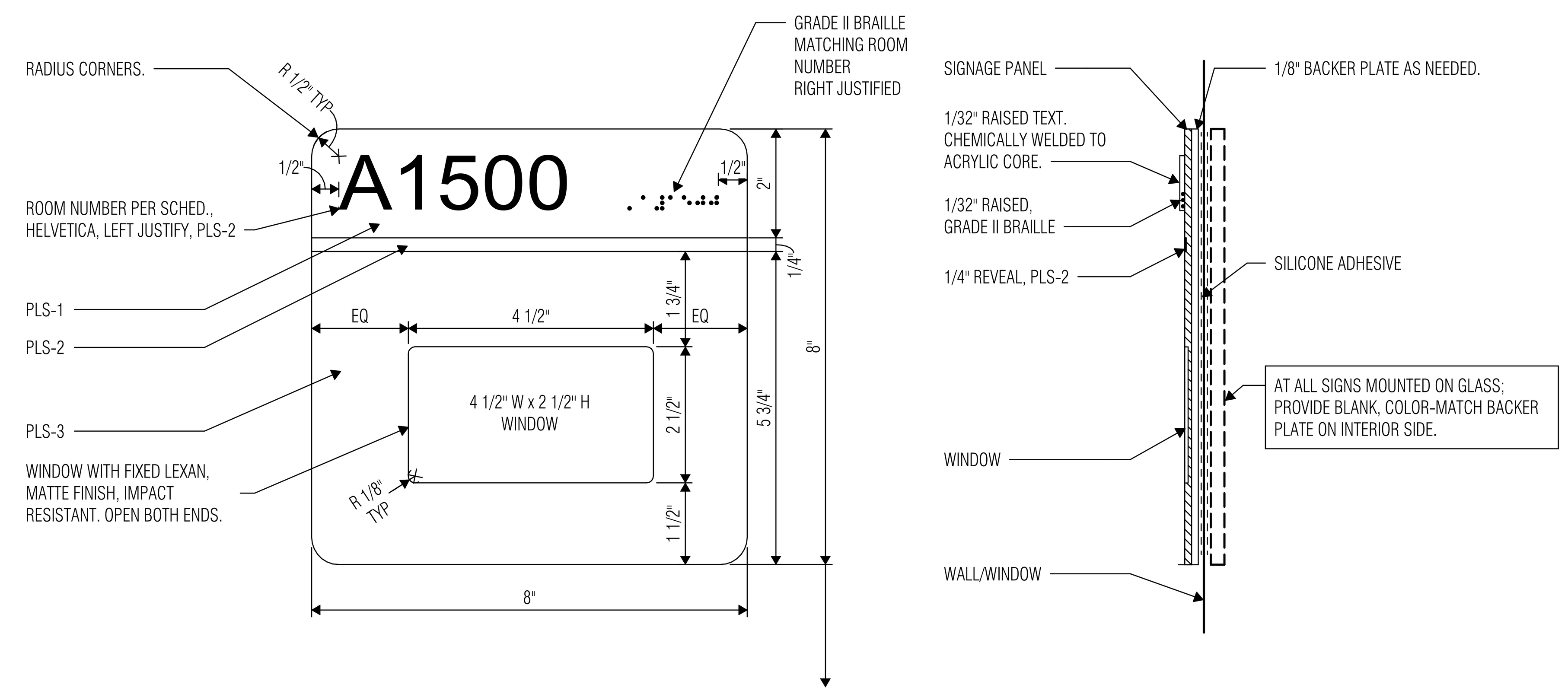


NOTE:
PROVIDE 1/32" RASIED TEXT AND NUMBERS WITH MATTE FINISH. PROVIDE HELVETICA CONDENSED UPPER CASE. PROVIDE GRADE II BRAILLE FOR TEXT AND NUMBERS TO MEET T.A.S. REQUIREMENTS.

3 SIGN TYPE 'C'1
SCALE: 6" = 1'-0"



4 SIGN TYPE 'A'1
SCALE: 6" = 1'-0"



5 SIGN TYPE 'B'1
SCALE: 6" = 1'-0"

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ARCHITECT
VLK Architects, Inc.
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT – RUDOLPH STARKS – 24207 – STATE OF TEXAS
03/06/2025

ISSUED: 03/06/25

REVISIONS

Revision No.	Revision Date

Director RSJ	Drawn By STH, KM
Designer	Quality Control
Proj. Arch. TQ	

PROJECT NO.
24-010.00

SHEET TITLE
COOK - ROOM SIGNAGE DETAILS

SHEET NO.
A19.20

2024 Cook, Labay & Truitt MS Renovations

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT

HOUSTON, TEXAS

CYPRESS FAIRBANKS
INDEPENDENT SCHOOL DISTRICT
LEARN • EMPOWER • ACHIEVE • DREAM

VLK | ARCHITECTS

ADMINISTRATION	
DOUGLAS KILLIAN, ED.D.	SUPERINTENDENT OF SCHOOLS
TERESA HULL	CHIEF OF STAFF
MATT MORGAN	CHIEF OF OPERATION OFFICER
LINDA MACIAS, ED.D.	CHIEF ACADEMIC OFFICER
DEBORAH STEWART, ED.D.	CHIEF OF EMPLOYEE & STUDENT SERVICES
KAREN SMITH	CHIEF FINANCIAL OFFICER
CHRISTINA COLE	CHIEF OFFICER FOR SCHOOL LEADERSHIP
MARNEY COLLINS-SIMS	GENERAL COUNCIL
JESSE CLAYBURN	ASSISTANT SUPERINTENDENT, FACILITIES AND CONSTRUCTION
DAN GROSZ	DIRECTOR OF DESIGN AND FACILITIES PLANNING
SHANNON THOMPSON	DIRECTOR OF PROJECT MANAGEMENT
STEVEN BRYAN	DIRECTOR OF CONSTRUCTION FIELD SERVICES
AMY HAYES	DIRECTOR OF CONTRACT MANAGEMENT

SCOPE OF WORK

SCOPE #	DESCRIPTION
1	Provide addition for electronics lab.
2	Renovate existing metal shop.
3	Renovate existing FCS area to meet District Standards. Replace all casework in Food Lab.
4	Add 1,000 SF total to Orchestra for the following: Increase main classroom size to 1,600 SF, Add one (1) Ensemble room 500 SF, Add one (1) Practice room 100 SF.
5	Provide outside storage for football and track equipment.
8	Replace gym wall padding, backboards, goals and supports.
9	Replace blue exterior metal wall panels.
10	Provide new cap sheet to existing modified bitumen roofing membrane
11	Remove and replace pavement joint sealant.
12	Provide generator backed power for all racks in all telecommunications rooms.
13	Provide interior lighting controls.
14	Update Cafeteria Stage Lighting, Sound, A/V Equipment and Drapery packages.
16	Provide sub-metering for kitchen cooling/heating and water usages.
17	Add dedicated HVAC unit to secondary telecommunications rooms (IDF)
18	Replace HVAC controls.
19	Separate irrigation meter from existing water meter.
~~20~~	~~Replace all existing data cables.~~
21	Additional card readers on exterior doors.
22	Harden main front desk.
25	Additional lockdown buttons.
26	Enhanced video alarms.
27	Exterior Window and Door Numbering.
29	Impact-resistant glass on doors and high-traffic areas.
30	Upgrade classroom and exterior door hardware.

VOLUME 2

LABAY MIDDLE SCHOOL

ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CIVIL ENGINEER

Brooks & Sparks, Inc.
21020 Park Row Blvd.
Katy, TX 77449
Main Phone: 281.578.9595
www.brooksandsparks.com

LANDSCAPE / IRRIGATION

Westwood
20329 State Hwy 249, #350
Houston, TX 77070
Main Phone: (281) 883-0103
www.westwoodps.com

STRUCTURAL ENGINEER

Dunaway
3200 Wilcrest Dr. Ste 4400
Houston, TX 77042
Main Phone: 512.306.8252
www.dunaway.com

M.E.P. ENGINEER

Salas O'Brien
10930 W Sam Houston Pkwy N #900
Houston, TX 77064
Main Phone: 281.664.1900
www.salasobrien.com

ACOUSTICAL / THEATRICAL

W.J.H.W.
3424 Midcourt Rd. Suite 124
Carrollton, TX 75006
Main Phone: 210.561.9800
www.wjhw.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

REGISTERED ARCHITECT
RUDOLPH STARKS JR.
24202
STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	-
Designer	Quality Control
-	
Proj. Arch.	
RS	

PROJECT NO.
24-010.00

SHEET TITLE
COVER - LABAY MS

2024 Cook, Labay & Truitt MS Renovations

SHEET NO.
G20.01

2024 Cook, Labay & Truitt MS Renovations

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT

HOUSTON, TEXAS

ABBREVIATIONS

A

A.F.F.	ABOVE FINISH FLOOR
A.C.T.	ACOUSTICAL CEILING TILE
ADDL.	ADDITIONAL
A.B.	AIR BARRIER
A.C.M.	ALUMINUM COMPOSITE PANEL
A.D.A.	AMERICANS WITH DISABILITIES ACT
AL/ALUM.	ALUMINUM
APPROX.	APPROXIMATE OR APPROXIMATELY
ARCH.	ARCHITECT OR ARCHITECTURAL

B

BD.	BOARD
B.O.W.	BOTTOM OF WALL
B.U.R.	BUILT-UP ROOFING
BLDG.	BUILDING

C

℄	CENTER LINE
C.R.	CLASSROOM
C.F.S.	COLD-FORMED STEEL
CONC.	CONCRETE
CMU	CONCRETE MASONRY UNIT
C.M.	CONSTRUCTION MANAGER
CONT.	CONTINUOUS
C.I.	CONTINUOUS INSULATION
C.J.	CONTROL JOINT
COORD.	COORDINATE
CORR.	CORRIDOR

D

DIA.	DIAMETER
D.O.	DOOR OPENING
DN.	DOWN
DS.	DOWNSPOUT

E

EA.	EACH
E.W.	EACH WAY
ELEC.	ELECTRICAL
E.W.C.	ELECTRIC WATER COOLER
ELEV.	ELEVATION
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXIST.	EXISTING
E.J.	EXPANSION JOINT
EXT.	EXTERIOR
EIFS	EXTERIOR INSULATION & FINISH SYSTEM

F

FT.	FEET or FOOT
F.R.P.	FIBERGLASS REINFORCED PLASTIC
F.V.	FIELD-VERIFY
FIN.	FINISH
F.F.	FINISH FLOOR
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER & CABINET
F.H.C.	FIRE HOSE CABINET
F.H.C.S.	FLAT-HEAD COUNTERSUNK
FLR.	FLOOR
F.D.	FLOOR DRAIN
FLUOR.	FLUORESCENT

G / H

GALV.	GALVANIZED
GA.	GAGE
G.C.	GENERAL CONTRACTOR
G.O.	GLAZED OPENING
GYP	GYPSUM
HT.	HEIGHT
H.P.	HIGH POINT
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
H.B.	HORIZONTAL BLINDS
H.D.G.	HOT-DIP GALVANIZED
HR.	HOUR

I / J / K

I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
I.B.C.	INTERNATIONAL BUILDING CODE

L

LAV.	LAVATORY
L.L.H.	LONG LEG HORIZONTAL
L.L.V.	LONG LEG VERTICAL
L.P.	LOW POINT
L.V.T.	LUXURY VINYL TILE

M

MFR.	MANUFACTURER
MFG.	MANUFACTURING
M.B.	MARKER BOARD
M.O.	MASONRY OPENING
MAX.	MAXIMUM
MECH.	MECHANICAL

M (CONT.)

MOD BIT	MODIFIED BITUMEN
MULL.	MULLION
M.E.P.	MECHANICAL-ELECTRICAL-PLUMBING
M.C.M.	METAL COMPOSITE MATERIAL
MIN.	MINIMUM
MISC.	MISCELLANEOUS

N

NOM.	NOMINAL
N/A	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO./#	NUMBER

O

O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.H.	OPPOSITE HAND
OHD.	OVERHEAD
O.F.C.I.	OWNER-FURNISHED, CONTRACTOR-INSTALLED
O.F.O.I.	OWNER-FURNISHED, OWNER INSTALLED

P / Q

PR.	PAIR
P.LAM.	PLASTIC LAMINATE
PL.	PLATE
PLUMB.	PLUMBING
PT.	POINT
P.C.F.	POUNDS PER CUBIC FOOT
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
PREFAB.	PREFABRICATED
PROJ.	PROJECTOR or PROJECTION
Q.T.	QUARRY TILE

R

R.	RADIUS
REBAR	REINFORCING BAR
REF.	REFERENCE or REFER TO
R.C.P	REFLECTED CEILING PLAN
RE:	REGARDING
REFG.	REFRIGERATOR
REINF.	REINFORCE or REINFORCING
REQD.	REQUIRED
R.	RISER (STAIR)
R.D.	ROOF DRAIN
R.O.	ROUGH OPENING

S

SIM.	SIMILAR
S.C.	SOLID CORE
S.A.B.	SOUND ATTENUATION BLANKET
S.A.F.B.	SOUND ATTENUATION FIRE BLANKET
S.T.C.	SOUND TRANSMISSION CLASS
SPEC.	SPECIFICATION
SQ.	SQUARE
S.F.	SQUARE FOOT
S.S.	STAINLESS STEEL
STRUC.	STRUCTURAL
SUSP.	SUSPENDED

T

T.B.	TACKBOARD
T.W.	TACK WALL
T.C.	TEACHER'S CABINET
T.A.S.	TEXAS ACCESSIBILITY STANDARDS
T.	TREAD (STAIR)
T&B	TOP & BOTTOM
T.O.	TOP OF
T.C.	TOP OF CURB
T.O.D.	TOP OF DECK
T.O.J.	TOP OF JOIST
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL

U / V

U/C	UNDER COUNTER
U.L.	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
VERT.	VERTICAL
V.C.T.	VINYL COMPOSITION TILE
V.W.C	VINYL WALL COVERING

W / X / Y / Z

W.C.	WATER CLOSET
W.R.B.	WATER-RESISTIVE BARRIER
WT.	WEIGHT
W.	WIDE
W/	WITH
W/O	WITHOUT
W.P.	WORKING POINT
W.W.F.	WELDED WIRE FABRIC

MATERIAL INDICATIONS

EARTH
POROUS FILL
CONCRETE/ GROUT
BRICK
CMU (LARGE SCALE)
MARBLE
METAL (LARGE SCALE)
METAL (SMALL SCALE)
RESILIENT FLOORING
ACOUSTICAL TILE
TERRAZZO
PLASTER, SAND, GROUT
CERAMIC TILE
GLASS (LARGE SCALE)
INSULATION (RIGID FOAM BOARD)
INSULATION (EPS FOAM BOARD)
INSULATION (BATT/ BLANKET)
INSULATION (SEMI-RIGID BOARD)
WOOD, ROUGH (CONTINUOUS)
WOOD, ROUGH (BLOCKING)
WOOD, FINISH
PLYWOOD (LARGE SCALE)
FIBER CEMENT PANEL
METAL LATH
GYPSUM BOARD

SYMBOLS LEGEND

CLASSROOM A201 — ROOM NAME & NUMBER
A203 — DOOR NUMBER
A — ALUMINUM-FRAMED GLAZED OPENING SYSTEM
HOLLOW METAL-FRAMED GLAZED OPENING SYSTEM
P1 — PARTITION TYPE
ABC-01 — BUILDING ASSEMBLY TYPE
SHEET NO. / DWG. NO. — BUILDING ELEVATION
DWG. NO. / SHEET NO. — BUILDING SECTION
DWG. NO. / SHEET NO. — WALL SECTION
LOUVER
8 — KEYED NOTE
NORTH ARROW
HB — HORIZONTAL BLINDS
DWG. NO. 3/A8.01 SHEET NO. — INTERIOR ELEVATION
DWG. NO. 6/A4.05 SHEET NO. — SECTION DETAIL
AC — ACCESS CONTROL
DATUM ELEVATION

GENERAL NOTES

1. Refer to the CODE-series sheets tor Code Information, Design Criteria and Fire Protection Requirements.
2. Verify and document existing dimensions and conditions at the site before beginning construction. Notify the Architect of conflicts or variations prior to commencement of construction.
3. Based on the applicable design criteria, submit Shop Drawings of the proposed pattern of control joints in masonry veneer, CMU, gypsum board, plaster and stucco to the Architect for review and approval prior to construction.
4. In case of discrepancies in or between the Contract Documents, the greater quantity or better quality shall be bid. Clarifications regarding the discrepancies shall be requested from the Architect prior to construction, and the resulting interpretations implemented in accordance with the Contract Documents.

INDEX OF DRAWINGS

PROJECT INFORMATION | LABAY MS

PROJECT IDENTIFICATION

PROJECT:	2024 LABAY MS RENOVATIONS
OWNER:	CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
PROJECT LOCATION:	15435 WILLOW RIVER DRIVE, HOUSTON, TX 77095
LEGAL DESCRIPTION:	RES F BLK 14 COPPERFIELD MIDDLEGATE VILLAGE SEC 1
VLK PROJECT NUMBER:	24-010.00
TDLR PROJECT REGISTRATION NUMBER:	TABS

APPROXIMATE BUILDING AREAS

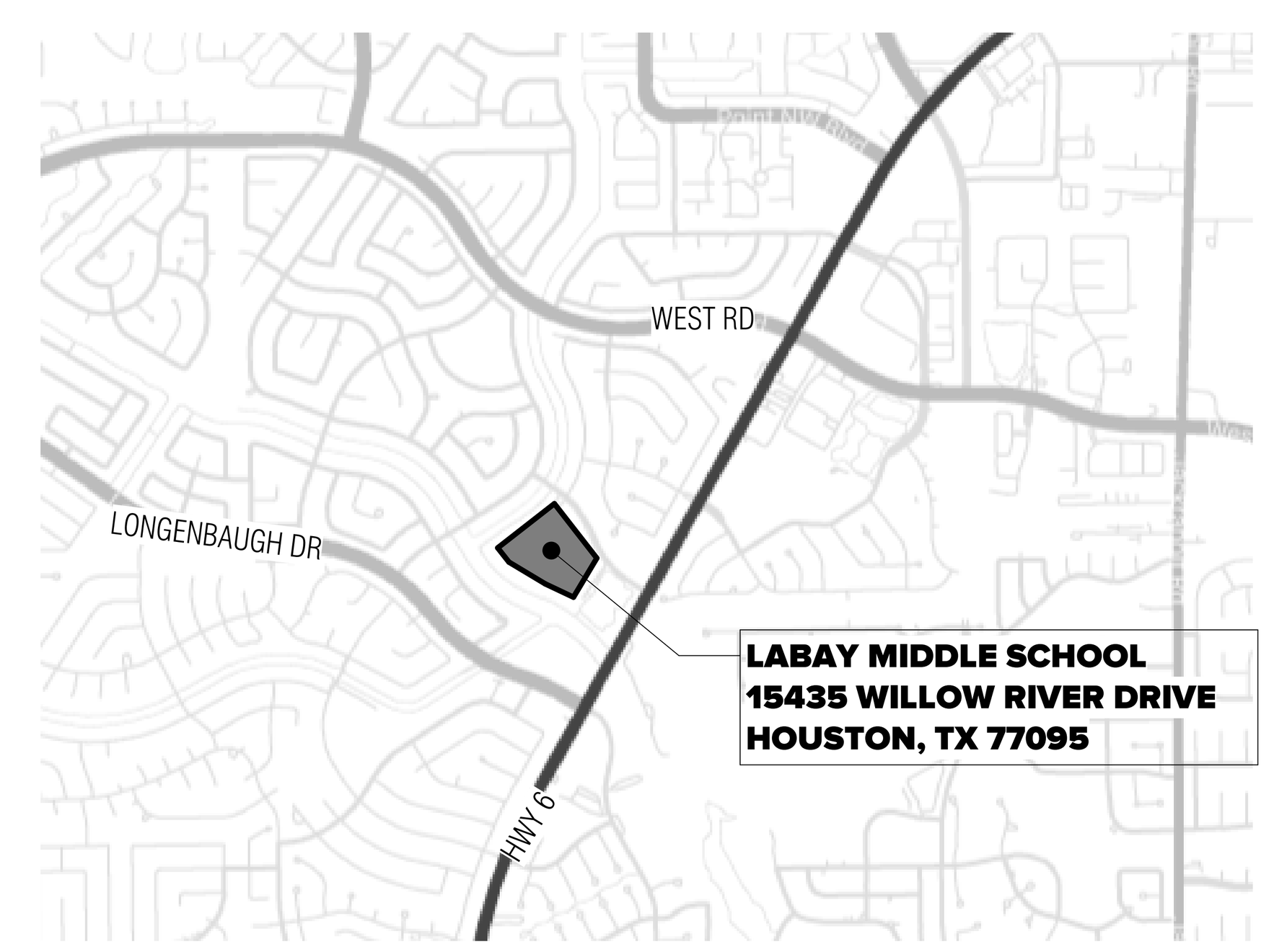
Existing Building (Renovation):	195,806 sq. ft.
Building Addition:	3,062 sq. ft.
Grand Total Area of Work:	**198,868 sq. ft.**

BUILDING CONSTRUCTION INFORMATION

TYPE OF CONSTRUCTION (TABLE 601 - IBC): TYPE I-B

FIRE PROTECTION SYSTEM: AUTOMATIC SPRINKLER SYSTEM THROUGHOUT

SITE LOCATION MAP



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STRUCTURAL ENGINEER
Dunaway
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Houston, TX 77042
Main Phone: 512.306.8252
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CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

REGISTERED ARCHITECT STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: TL	Drawn By: STH
Designer	Quality Control
Proj. Arch.: RS	

PROJECT NO.
24-010.00

SHEET TITLE
PROJECT INFORMATION, GENERAL NOTES, ABBREVIATIONS, INDEX

2024 Cook, Labay & Truitt MS Renovations

SHEET NO.
G20.02

1 BUILDING PLANNING & DESCRIPTION

☒ NEW CONSTRUCTION ☐ SHELL BUILDING
☐ LEASE SPACE BUILD-OUT (LSBO) ☐ CHANGE OF OCCUPANCY
☐ SUBSTANTIAL IMPROVEMENT ☐ OTHER: _____

☒ SINGLE OCCUPANCY	MIXED OCCUPANCY: ☐ SEPARATED USE	☐ NON-SEPARATED USE

(SECTION 508.3 OR 508.4 IBC 2021)

TYPE OF CONSTRUCTION: I-B *(CHAPTER 6 IBC 2021)*
HEIGHT LIMITATION: 180' AREA LIMITATION: UNLIMITED *(TABLES 504.3, 504.4, 506.2 IBC 2021)*
FRONTAGE INCREASE CALCULATIONS ARE SHOWN ON SHEET: N/A

BUILDING VALUATION

BUILDING NUMBER: 1 OF 2
ADDRESS: 15435 WILLOW RIVER DRIVE
CITY, ST: HOUSTON, TX ZIP CODE: 77095 SUITE: N/A
CALL CENTERPOINT ENERGY AHEAD OF TIME, AT 713-207-4460, TO OBTAIN AN ADDRESS
HCAD #. OR PROPERTY TAX #: 1144410140046 (13 DIGITS)
(http://www.hcad.org)
BUILDING LOCATED IN FLOODPLAIN: X-UNSHADED ☒ 500-YR ☐ 100-YR ☐ OTHER ☐
BFE _____ FFE _____ NG _____
GROSS SQUARE FOOTAGE: 14,278 SF (IN SCOPE OF WORK) #OF FLOORS: 1 HEIGHT: 23 FEET
ESTIMATED COST OF CONSTRUCTION: $ ADDITION: $1,377,900 | RENOVATION: $3,365,100
T.D.L.R #: TABS2025012860 *(REQUIRED FOR CONSTRUCTION OVER $50,000)*
TEXAS DEPARTMENT OF LICENSING AND REGULATIONS
(https://www.tdlr.texas.gov/ab/ab.htm)
TELEPHONE: (512) 463-6599 TOLL FREE (IN TEXAS): 800-803-9202
FAX: (512) 475-2871 RELAY TEXAS-TDD: 800-735-2989
SHELL BUILDING PERMIT #: PRE-1985 CIVIL PROJECT #: TBD
PUBLIC UTILITIES: YES ☒ NO ☐
OSSF : YES ☐ NO ☒ PROJECT/PERMIT #: N/A

LIST BELOW THE PURPOSE/USE OF THE BUILDING OR AREA BEING REVIEWED. INCLUDE DETAILS ON THE PRODUCTS/MATERIALS BEING STORED/FABRICATED AND NOTE HOW THEY ARE BEING PACKAGED.

MIDDLE SCHOOL BUILDING RENOVATIONS AND ADDITIONS - INLCUDING, BUT NOT LIMITED TO DOOR AND SECURITY UPGRADES, INTERIOR REMODEL, AND CLASSROOM ADDITION.

2 OCCUPANCY TYPE AND LOAD
CHAPTER 2, 3 & TABLE 1004.5 IBC 2021

BREAK DOWN AREAS AND OCCUPANT LOADS PER FLOOR

OCC. CLASS	AREA SPECIFIC USE	GROSS SF	NET SF	SF PER OCC.	DESIGN OCC.
ADDITION					
TYPE 'E'	EDUCATION, SHOP/VOCATIONAL AREAS		887 SF	50 NET	18
TYPE 'E'	EDUCATION, CLASSROOMS		1120 SF	20 NET	56
TYPE 'B'	BUSINESS AREAS	230 SF		150 GROSS	2
TYPE 'S1'	ACCESSORY STORAGE, MECHANICAL AREAS	825 SF		300 GROSS	3
RENOVATION					
TYPE 'E'	EDUCATION, SHOP/VOCATIONAL AREAS		3209 SF	50 NET	65
TYPE 'E'	EDUCATION, CLASSROOMS		6486 SF	20 NET	325
TYPE 'B'	BUSINESS AREAS	552 SF		150 GROSS	4
TYPE 'S1'	ACCESSORY STORAGE, MECHANICAL AREAS	970 SF		300 GROSS	4
TOTAL NET			6486 SF		464
TOTAL GROSS		552 SF			13

3 MEANS OF EGRESS
CHAPTER 10 IBC 2021

MEANS OF EGRESS	# OF REQUIRED EXITS	# OF EXITS PROVIDED	SHEET #
STAIRWAYS (PER FLOOR)	N/A	N/A	N/A
EGRESS @ 1ST FL OR LSBO	4	30	A20.01

(SECTIONS 1005 & 1006 IBC 2021)

PANIC HARDWARE ON EXIT DOORS? YES ☒ NO ☐ *(SECTION 1010.2.9 IBC 2021)*

STAIRWAYS *(SECTION 1011 IBC 2021)*
STAIR DETAILS AND EGRESS WIDTHS SHOWN ON: N/A

EXIT SIGNS/EGRESS ILLUMINATION *(SECTIONS 1008 & 1013 IBC 2021)*
REQUIRED AND SHOWN ON: A20.01 *(HIGHLIGHT ON PLANS)*
EXTERIOR MEANS OF EGRESS LIGHTING PROVIDED? YES ☒ *(SECTION 1008 IBC 2021)*

EXIT TRAVEL DISTANCE *(SECTION 1017 IBC 2021)*

OCCUPANCY TYPE	MAX TRAVEL DISTANCE	PROVIDE TRAVEL DISTANCE	SHEET #
EDUCATIONAL GROUP 'E'	250 FEET	250 FEET MAX.	A20.01

ELEVATORS NO WORK
NEW ☐ EXISTING ☒ ELEVATOR HOISTWAY IBC SECTION 3006.2.1? YES ☐ NO ☐
ELEVATOR KEYBOX LOCATED IN LOBBY? YES ☐ NO ☐

4 FIRE PROTECTION & LIFE SAFETY SYS.
CHAPTER 9 IFC & IBC 2021

ALL FIRE PROTECTION PLANS SHALL BE SUBMITTED FOR REVIEW AFTER BUILDING PERMIT HAS BEEN ISSUED ***(I.E. UNDERGROUND FIRE LINE, SPRINKLER SYSTEM, FIRE ALARM SYSTEM, STANDPIPE, FIRE PUMP ROOM, AND FIRE PROTECTION WATER SUPPLY SYSTEMS)***

AUTOMATIC FIRE SPRINKLER SYSTEM/ALTERNATIVE AUTOMATIC FIRE EXTINGUISHING SYSTEM SECTION 903 IFC 2021
ALL SPRINKLERS SHALL COMPLY WITH MONITORING AND OCCUPANT NOTIFICATION PER 903.4.2.1 SECTION 903.4.1 IFC 2021 AMENDMENTS

☒ PROVIDED AS NOTED ON: A20.01 ☐ NOT REQUIRED PER SECTION 903

SYSTEM PROVIDED:
☒ NFPA 13
☐ NFPA 13R
☐ NFPA 13D
☐ OTHER: _____

SPRINKLER HEAD PROVIDED:
☒ STANDARD
☐ ELO
☐ ESFR
☐ QUICK RESPONSE

FIRE PUMP PROVIDED:
☐ YES ☒ NO
FIRE PUMP SEPARATION:
SEE SECTION 913.2.1 IFC 2021

FIRE DEPARTMENT ACCESS TO SPRINKLER CONTROLS:
☐ SPRINKLER RISER ROOM OR POST INDICATOR VALVE SHOWN ON: _____ *(SECTION 901.4.7 HC AMENDMENTS IFC 2021)*
☒ FDC SHOWN ON: A20.01 *(FDC SHALL COMPLY WITH SECTION 912 IFC 2021)*

ALTERNATIVE AUTOMATIC FIRE-EXTINGUISHING SYSTEMS *(SECTION 904 IFC 2021)*
☐ REQUIRED AND SHOWN ON: _____
☒ NOT REQUIRED

STANDPIPE SYSTEM & HOSE CONNECTIONS *(SECTION 905 IFC 2021)*
(I.E. IN STAIRWAYS, STAGES, MALLS)
☐ PROVIDED AS NOTED ON: _____, TYPE OF SYSTEM PROVIDED: _____ *(CLASS I, II OR III)*
☒ NOT REQUIRED

PORTABLE FIRE EXTINGUISHERS *(SECTION 906 IFC 2021)*
☒ PROVIDED AS NOTED ON: A20.01, NUMBER PROVIDED: 7 *(HIGHLIGHT ON PLANS)*

FIRE ALARM & DETECTION SYSTEMS *(SECTION 907 HC AMENDMENTS IFC 2021)*
☒ FIRE ALARM SYSTEM (DEFERRED SUBMITTAL) ☐ ELEVATOR RECALL
☐ NOT REQUIRED ☐ GAS DETECTION SYSTEM SECTION 909
☐ EMERGENCY VOICE EVACUATION
☐ OTHER: _____

HVAC & AIR DISTRIBUTION SYSTEM CONTROLS *(SECTION 907.3.1 IFC 2021)*
☒ SMOKE DETECTORS PROVIDED TO SHUT DOWN UNITS OVER 2,000 CFM PROVIDED ON: _____
☐ NO HVAC UNITS OVER 2,000 CFM
☒ FIRE/SMOKE DAMPERS IN THE BUILDING SHOWN ON: _____
☐ NO FIRE/SMOKE DAMPERS IN THE BUILDING

SMOKE CONTROL SYSTEM *(SECTION 909 IFC 2021)*
☐ PROVIDED AS NOTED ON: _____
☒ NOT REQUIRED

SMOKE & HEAT VENTILATION *(SECTION 910 IFC 2021)*
☐ CALCULATIONS PROVIDED AS NOTED ON: _____
☒ NOT REQUIRED

ENHANCED RESPONDER COMMUNICATIONS COVERAGE SYSTEM (ERCCS)
☐ PROVIDED AS NOTED ON: _____ *(SECTION 510 HC AMENDMENTS)*
☒ NOT REQUIRED

5 FIRE-RESISTANCE RATE CONSTRUCTION
CHAPTERS 6, 7 AND 10 IBC 2021

*Provide section details on the plans showing compliance for any proposed fire rated construction (walls, partitions, floors, roof, etc.).
*Please reference and provide standard for the rated design.

FIRE-RESISTANCE RATING REQUIREMENTS *TABLE 601 & PROPOSED OR REQUIRED CONSTRUCTION PER IBC 2021*

BUILDING ELEMENTS	HOURS REQUIRED	HOURS PROVIDED	UL OR IBC STANDARD USED & DESIGN DETAIL SHOWN ON
STRUCTURAL FRAME	2	2	CODE2.5
EXTERIOR BEARING WALLS	2	2	CODE2.5
EXTERIOR NON-BEARING WALLS	0	0	N/A
INTERIOR BEARING WALLS	2	2	CODE2.5
INTERIOR NON-BEARING WALLS	0	0	N/A
FLOOR CONSTRUCTION	N/A	N/A	N/A
ROOF CONSTRUCTION	1	1	CODE2.5
STAIRWELLS *(SECTION 1023)*	N/A	N/A	N/A
ELEVATOR SHAFTS *(SECTION 713)*	N/A	N/A	N/A
CORRIDORS *(SECTION 1020)*	0	0	N/A
FIRE RATED DOORS *(TABLE 716.1(2))*	90 MIN, 60 MIN.	90 MIN, 60 MIN	N/A
DEMISING/PARTITION WALL *(SECTION 708)*	N/A	N/A	N/A
FIRE BARRIER *(SECTION 707)*	N/A	N/A	N/A
FIRE WALL *(SECTION 706)*	N/A	N/A	N/A
DRAFTSTOPS: ☐ YES, SHOWN ON: _____ ☐ NO (SPRINKLED ATTIC) ☒ N/A *(SECTION 718.4)*			

FIRE SEPARATION DISTANCE (FEET) *(SECTION 602 IBC 2021)*	>30' NORTH	>30' SOUTH	>30' EAST	>30' WEST
ROOF COVERING CLASSIFICATION PROVIDED: *(TABLE 1505.1 IBC 2021)*	A ☒	B ☐	C ☐	

6 WATER SUPPLY (FOR FIREFIGHTING)
CHAPTER 5, APPENDIX B & C IFC 2018

198,868 SF GROSS SIZE OF BUILDING IN SQUARE FEET *(INCLUDE ALL OVERHANGS UNDER ROOF)*

PUBLIC WATER SUPPLY WITH FIRE HYDRANTS
(FOR PROPOSED AND EXISTING FIRE HYDRANTS ONLY)
NAME OF THE MUNICIPAL UTILITY DISTRICT: WEST HARRIS COUNTY REGIONAL WATER AUTHORITY, PRECINCT 7
NUMBER OF HYDRANTS WITHIN 400 FT (NON-SPRINKLED) OR 600 FT (SPRINKLED) OF BUILDING: 6, SHOWN ON: A21.11
OR
REQUIRED GPM: 1,188 GPM DURATION: 4 HOURS *(TABLE B105.1(2) IFC 2021)*
75% REDUCTION? YES ☒ NO ☐ *(MUST MAINTAIN MINIMUM PER TABLE B105.2 IFC 2021)*

WATER SOURCE FOR RURAL AREAS WITHOUT FIRE HYDRANTS
☐ ***DRY HYDRANT ☐ UNDERGROUND STORAGE ☐ PRIVATE HYDRANT
☐ ABOVEGROUND STORAGE ☐ OTHER: _____

DESIGN SPECIFICATIONS AND LOCATIONS SHOULD MEET MINIMUM REQUIRED WATER SUPPLY IN ACCORDANCE WITH SECTION B103.3 IN THE HARRIS COUNTY FIRE CODE. THE FIRE CODE OFFICIAL IS AUTHORIZED TO UTILIZE NFPA 1142 OR THE INTERNATIONAL WILDLAND-URBAN INTERFACE CODE.

7 FIRE LANE ACCESS
CHAPTER 5, APPENDIX D IFC 2021

FIRE LANE LAYOUT PLAN, WHICH SHALL INCLUDE THE SITE PLAN, THE FIRE LANE & FIRE HYDRANTS, IS SHOWN ON: A21.11 *(HIGHLIGHT THE FIRE HYDRANT LOCATIONS ON THE PLANS)* AERIAL ACCESS LAYOUT, FOR BUILDINGS OVER 30 FT, IS SHOWN ON: N/A.

FIRE LANES WILL BE APPROVED CONCEPTUALLY DURING THE CIVIL REVIEW PROCESS. HOWEVER, THE FIRE CODE PLAN REVIEWER MAY CHANGE THE FIRE LANE LAYOUT BASED ON THE BUILDING SPECIFICATIONS.

☒ GATES AND BARRICADES ACROSS THE FIRE ACCESS ROAD PROPERTIES WITH FENCE AND GATES SHALL PROVIDE A 911 KEY BOX AT ENTRY GATE.

8 INTERIOR FINISH
CHAPTER 8, TABLE 803.13 IBC 2021

OCCUPANCY GROUP	EXIT ENCLOSURES AND EXIT PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES	SHEET #
E	B	C	C	RE: SPECS

9 STORAGE: STANDARD

YES ☒ NO ☐ PRODUCTS BEING STORED: BOOKS, GENERAL SCHOOL SUPPLIES
YES ☒ NO ☐ STORAGE METHOD *(I.E. RACKS, PALLETS ON FLOOR, ETC.)*: SHELVES (FURNITURE)
STORAGE LAYOUT SHOWN ON: N/A
YES ☒ NO ☐ MAXIMUM HEIGHT STORAGE: 7 FEET

10 STORAGE: HIGH PILED
CHAPTER 32 IFC 2021 - SEE ALSO SECTION 3201.3 & HC AMENDMENTS IFC 2021
DEFERRED SUBMITTAL THAT MUST BE SUBMITTED WITHIN 180 DAYS OF ORIGINAL PERMITTING.

YES ☐ NO ☒ PRODUCTS BEING STORED: _____
YES ☐ NO ☒ STORAGE PACKAGING *(I.E. PALLETS, RACKS, SOLID PILED, DRUMS, CARDBOARD BOXES, WRAPPED IN PLASTIC, ETC.)*: _____
YES ☐ NO ☒ MAXIMUM HEIGHT OF COMMODITY: _____
YES ☐ NO ☒ ***THIS BUILDING IS DESIGNED FOR THE INTENT OF HIGH PILED STORAGE. IF YES, THEN PROVIDE HIGH PILED STORAGE FORM FOUND ON HC WEBSITE
YES ☐ NO ☒ FIRE DEPARTMENT ACCESS DOORS
YES ☐ NO ☒ HIGH PILED STORAGE RACK LAYOUT/ELEVATIONS, CODE ANALYSIS, ETC. SHOWN ON: _____

11 HAZARDOUS MATERIALS
CHAPTER 50 IFC 2021 - SEE ALSO SECTION 5001.7 HC AMENDMENTS IFC 2021
HMIS FORM FOUND ON HC WEBSITE.

YES ☐ NO ☒ DOES THE BUILDING HAVE HAZARDOUS MATERIAL USE OR STORAGE? IF YES, THEN PROVIDE ALL HMIS SUMMARY AND MSDS REPORTS.
YES ☐ NO ☒ IF YES, DO THE QUANTITIES EXCEED THE MAXIMUM ALLOWABLE PER IFC 2021?
IF YES, YOU WILL BE REQUIRED TO PROVIDE THE FOLLOWING:
CODE ANALYSIS BY FIRE PROTECTION ENGINEER TO SHOW COMPLIANCE WITH IFC 2021.
CODES AND REFERENCED STANDARDS SHOWN ON SHEET(S) _____

12 SPECIAL CONDITIONS

YES ☐ NO ☒ ATRIUM(S) SECTION 404 IBC 2021
YES ☐ NO ☒ HIGH RISE BLDG SECTION 403 IBC 2021 & 914.3 IFC 2021
YES ☐ NO ☒ ANY FUEL STORAGE TANKS CHAPTERS 23, 50, 57 IFC 2021
YES ☐ NO ☒ CRITICAL FACILITIES (HARRIS COUNTY SECTION 1203.2.20 HC AMENDMENTS IFC 2021)
YES ☐ NO ☒ COMPRESSED GASES CHAPTERS 53,58 IFC 2021
YES ☐ NO ☒ CRYOGENIC FLUIDS CHAPTER 55 IFC 2021
YES ☐ NO ☒ FLAMMABLE & COMBUSTIBLE LIQUIDS CHAPTERS 50 & 57 IFC 2021
YES ☒ NO ☐ PAINT SPRAY BOOTHS, COATINGS, DIPPING OR INDUSTRIAL OVENS USED CHAPTERS 24 & 30 IFC 2021
YES ☐ NO ☒ HEALTH DEPARTMENT APPROVAL? REQUIRED FOR ALL ESTABLISHMENTS THAT SERVE/PREPARE FOOD AND BEVERAGES FOR THE PUBLIC OR HAVE REFRIGERATED FOOD STORAGE.
YES ☐ NO ☒ LP GAS CHAPTER 61 IFC 2021
YES ☐ NO ☒ PROPOSING PHASED PERMITS PHASING PLAN SHOWN ON: _____
YES ☐ NO ☐ OTHER: _____

COMMENTS & NOTES

A COPY OF THESE APPROVED CONSTRUCTION PLANS MUST BE KEPT AT PROJECT SITE FOR THE FINAL INSPECTION OF THE BUILDING

PROJECT NUMBER: TBD

THE PROJECT KNOWN AS
(MUST BE THE NAME OF BUSINESS/DBA IF BUILDING IS FOR A SPECIFIC COMPANY)
CYPRESS - FAIRBANKS INDEPENDENT SCHOOL DISTRICT
LABAY MIDDLE SCHOOL
WAS ACCEPTED BY HARRIS COUNTY FOR THE PURPOSES LISTED BELOW:

REVIEWER'S SIGNATURE BLOCK
PERMIT OFFICE

THE PROJECT WAS REVIEWED; HOWEVER, THIS DOES NOT MEAN THE ENTIRE PROJECT, INCLUDING ALL SUPPORTING DATA AND CALCULATIONS HAVE BEEN COMPLETELY CHECKED AND VERIFIED. THESE DRAWINGS ARE SIGNED, DATED AND SEALED BY A PROFESSIONAL ENGINEER / ARCHITECT LICENSED TO PRACTICE IN THE STATE OF TEXAS, WHICH THEREFORE CONVEYS THE PROFESSIONAL'S RESPONSIBILITY AND ACCOUNTABILITY. THIS ACCEPTANCE DOES NOT RELIEVE ANY PARTY FROM COMPLYING WITH ANY OTHER LEGALLY ADOPTED REGULATION OR ORDINANCE RELATED TO DEVELOPMENT.

HCED REVIEW:

CERTIFICATION

I, RUDOLPH STARKS, A LICENSED PROFESSIONAL ENGINEER/~~ARCHITECT~~ IN THE STATE OF TEXAS DO HEREBY CERTIFY THAT THE INFORMATION PRESENTED ON THIS SHEET IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I ~~AM~~/AM NOT A DESIGNER OF RECORD FOR THIS PROJECT. THE PROJECT CONSISTS OF DRAWING SHEETS COVER THROUGH TR27.01. ENGINEERING FIRM VLK ARCHITECTS FIRM# BR-2829

SEAL SIGNATURE DATE

HARRIS COUNTY (IFC & IBC 2021)
FIRE CODE DESIGN AND COMPLIANCE REVIEW SHEET VERSION 9.0 (JAN 2025)

REVISIONS (DO NOT USE THIS BLOCK UNTIL AFTER PERMIT IS ISSUED)

DATE	SHEET NO.(S)	DESCRIPTION	REVIEWER

FIRE CODE REVIEW
SHEET NUMBER
1 OF 2

VLK | ARCHITECTS

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

RUDOLPH STARKS — 124008 — REGISTERED ARCHITECT — STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.	Revision Date
1 Addendum 1	03-06-2025

Director RSJ | Drawn By STH
Designer | Quality Control
Proj. Arch. TQ

PROJECT NO.
24-010.00

SHEET TITLE
LABAY - FIRE CODE REVIEW - MAIN BUILDING

SHEET NO.
CODE2.3

2024 Cook, Labay & Truitt MS Renovations

SITE PLAN NOTES

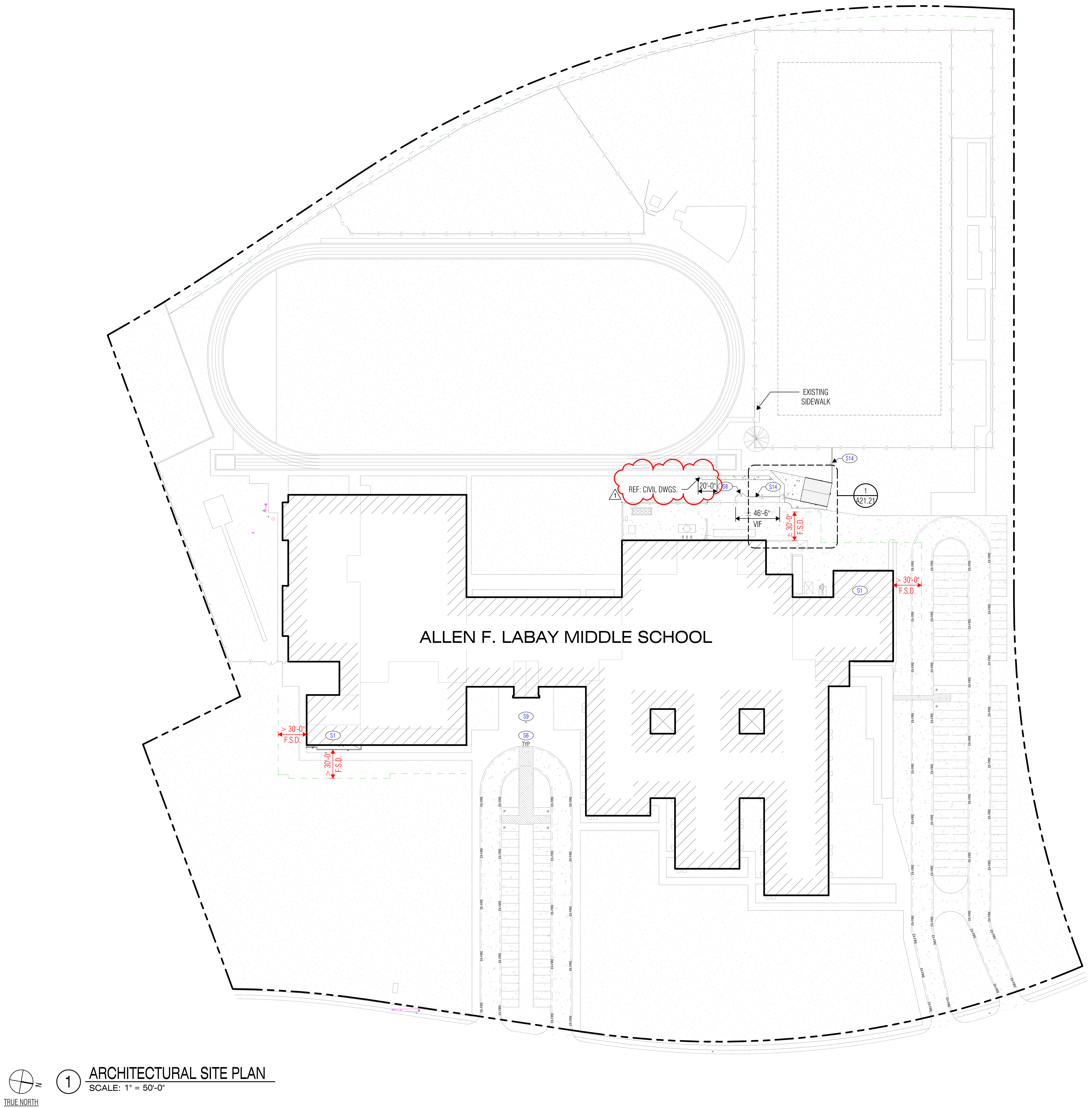
1. Verify and document existing dimensions and conditions at the site before beginning construction. Notify the Architect of conflicts or variations prior to commencement of construction.
2. To prevent damage to existing trees and shrubs in proximity to the Work, provide and maintain protective barriers around those items in accordance with the specified procedures, or in the absence of those procedures, with recognized landscaping and horticultural practices.
3. Contractor shall repair any damages to landscaping and paving after construction is complete.

SITE PLAN LEGEND

- FIRE LANE
- EXISTING FIRE LANE
- CHAIN LINK FENCE, See Plan for Heights
- EXISTING CHAIN LINK FENCE, See Plan for Heights
- WOOD FENCE, See Plan for Heights
- EXISTING WOOD FENCE, See Plan for Heights
- ORNAMENTAL FENCE, See Plan for Heights
- EXISTING ORNAMENTAL FENCE, See Plan for Heights

KEYNOTE LEGEND

S1	PROPOSED BUILDING ADDITION
S6	REMOVE AND REPLACE ALL JOINT SEALANT AT EXISTING PAVEMENT TO REMAIN, INCLUDING ALL CONCRETE DRIVES, SIDEWALKS, JOINT AT BUILDING ENVELOPE, ETC.
S8	PROPOSED CHAINLINK GATE. HEIGHT TO MATCH ADJECENT FENCE. PROVIDE CHAIN AND PADLOCK WELDED TO GATE IN SEQUENCE.
S9	EXISTING FLAG POLE
S14	NEW 6'H CHAINLINK FENCE TO MATCH EXISTING.



1 ARCHITECTURAL SITE PLAN
SCALE: 1" = 50'-0"

VLK | ARCHITECTS

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT — RUDOLPH STAINES — 24202 — STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

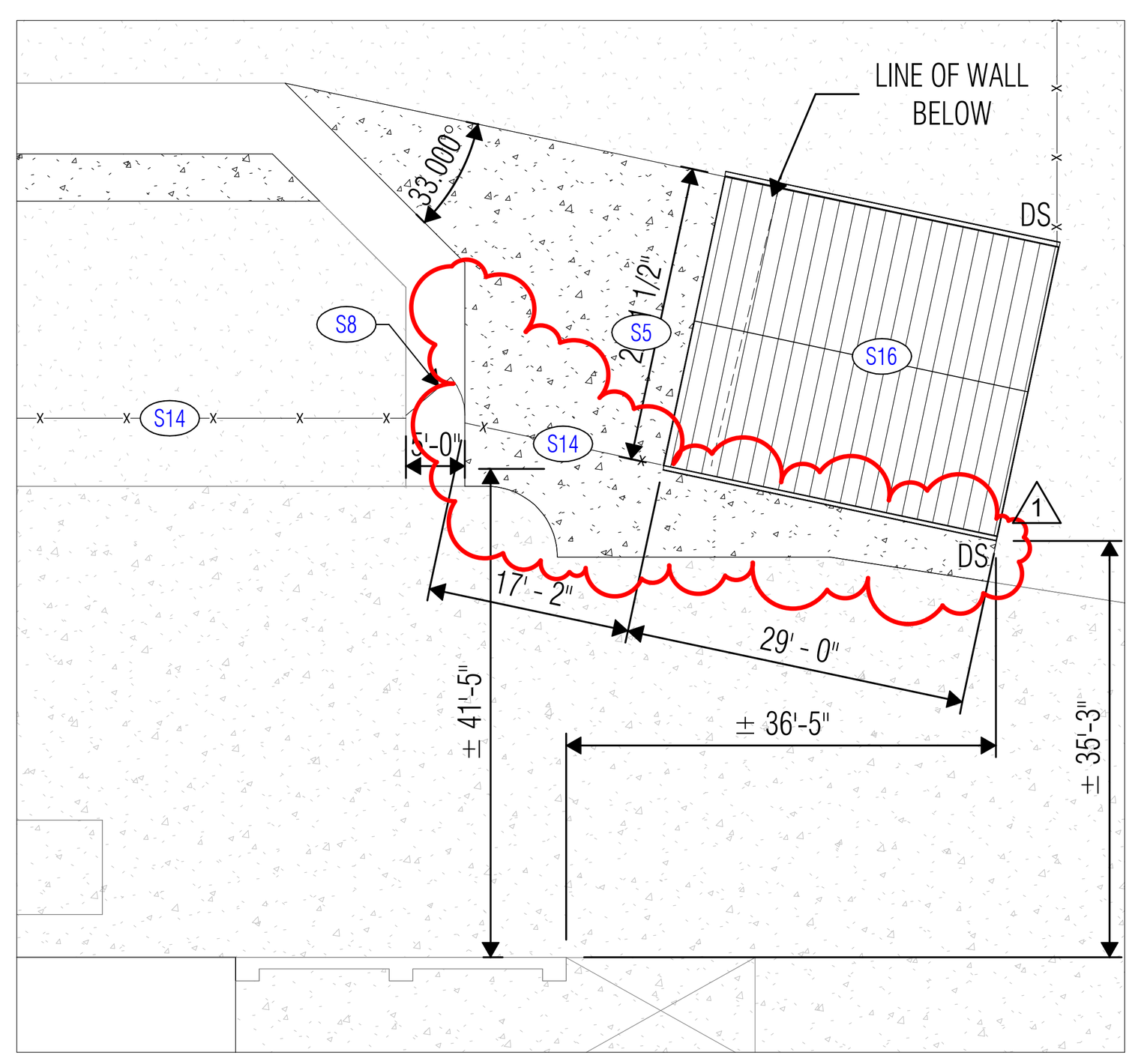
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

PROJECT NO.
24-010.00

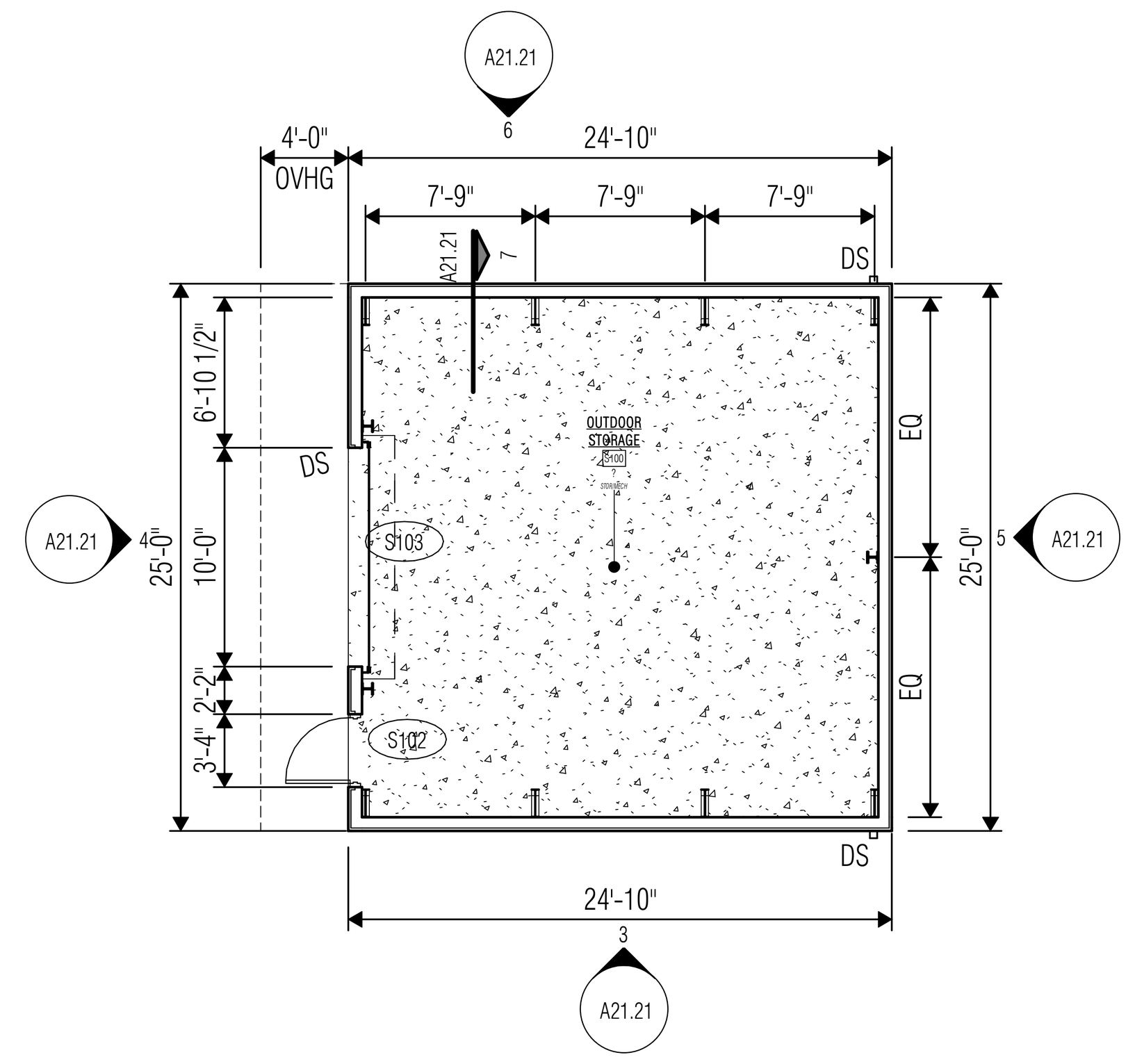
SHEET TITLE
LABAY - ARCHITECTURAL SITE PLAN

SHEET NO.
A21.11

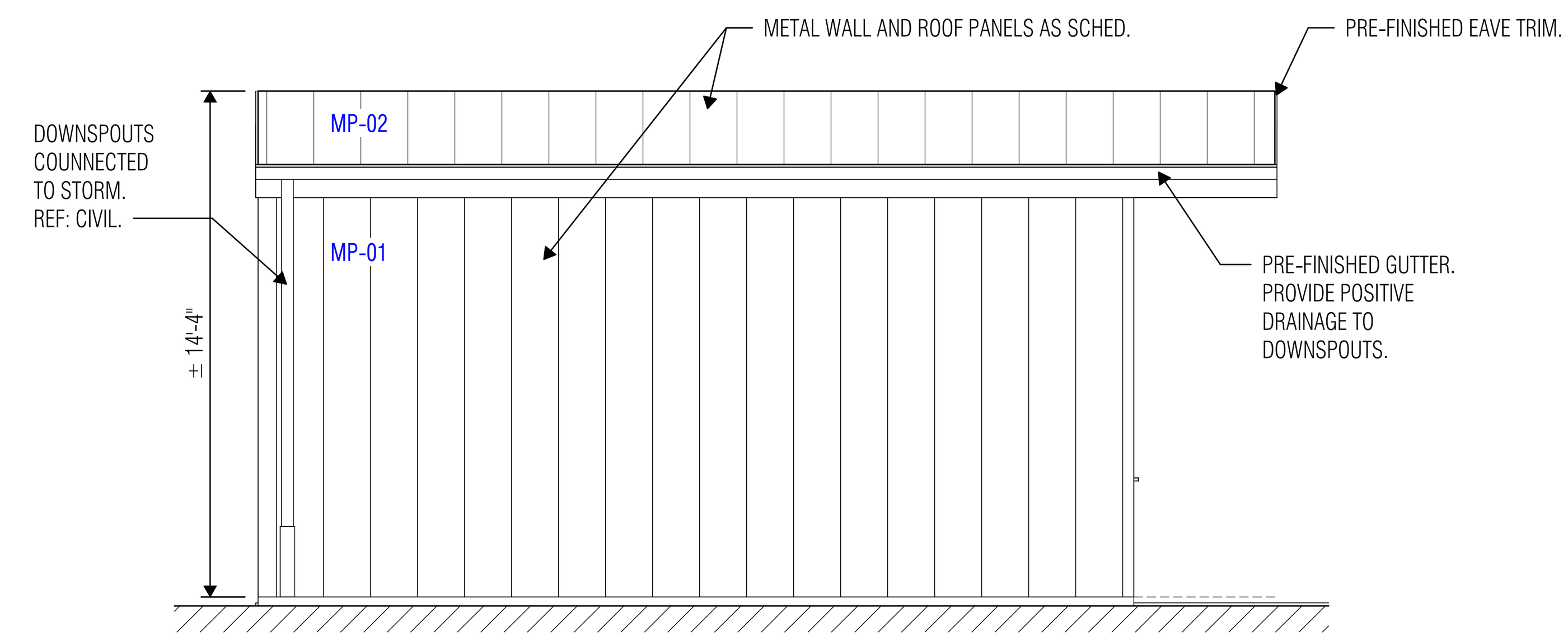


TRUE NORTH

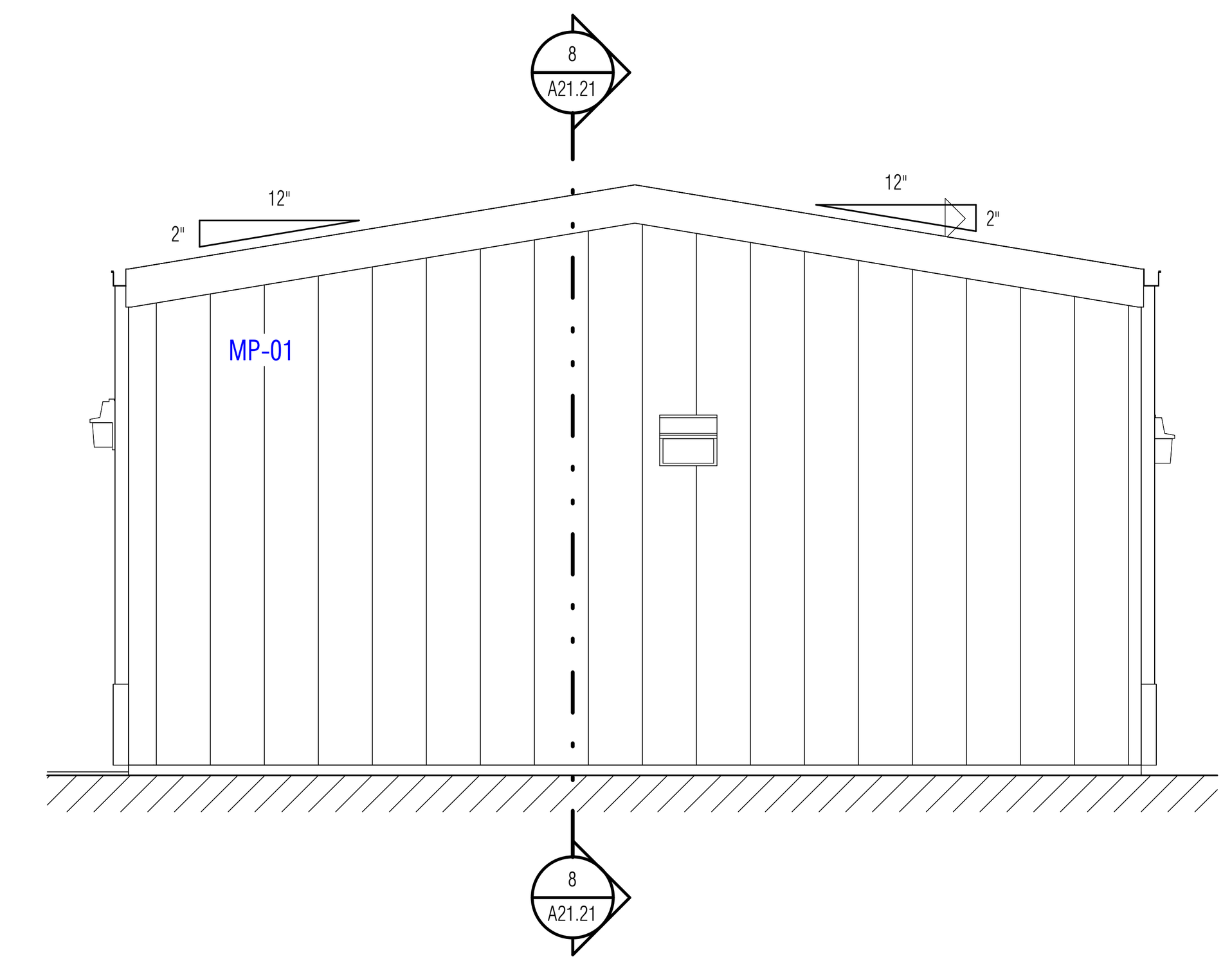
1 ENLARGED SITE PLAN
SCALE: 1/16" = 1'-0"



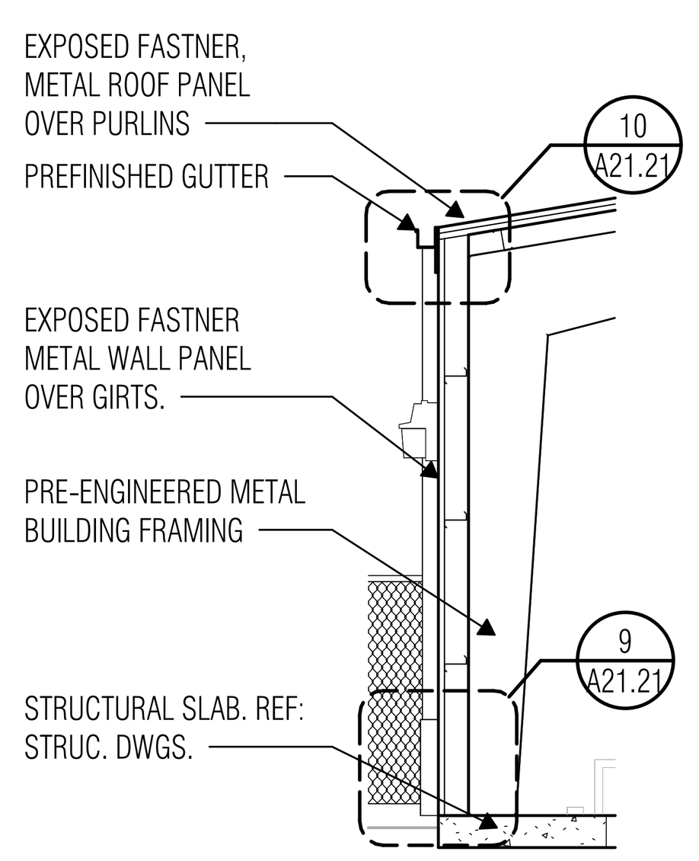
2 OUTDOOR STORAGE FLOOR PLAN
SCALE: 1/8" = 1'-0"



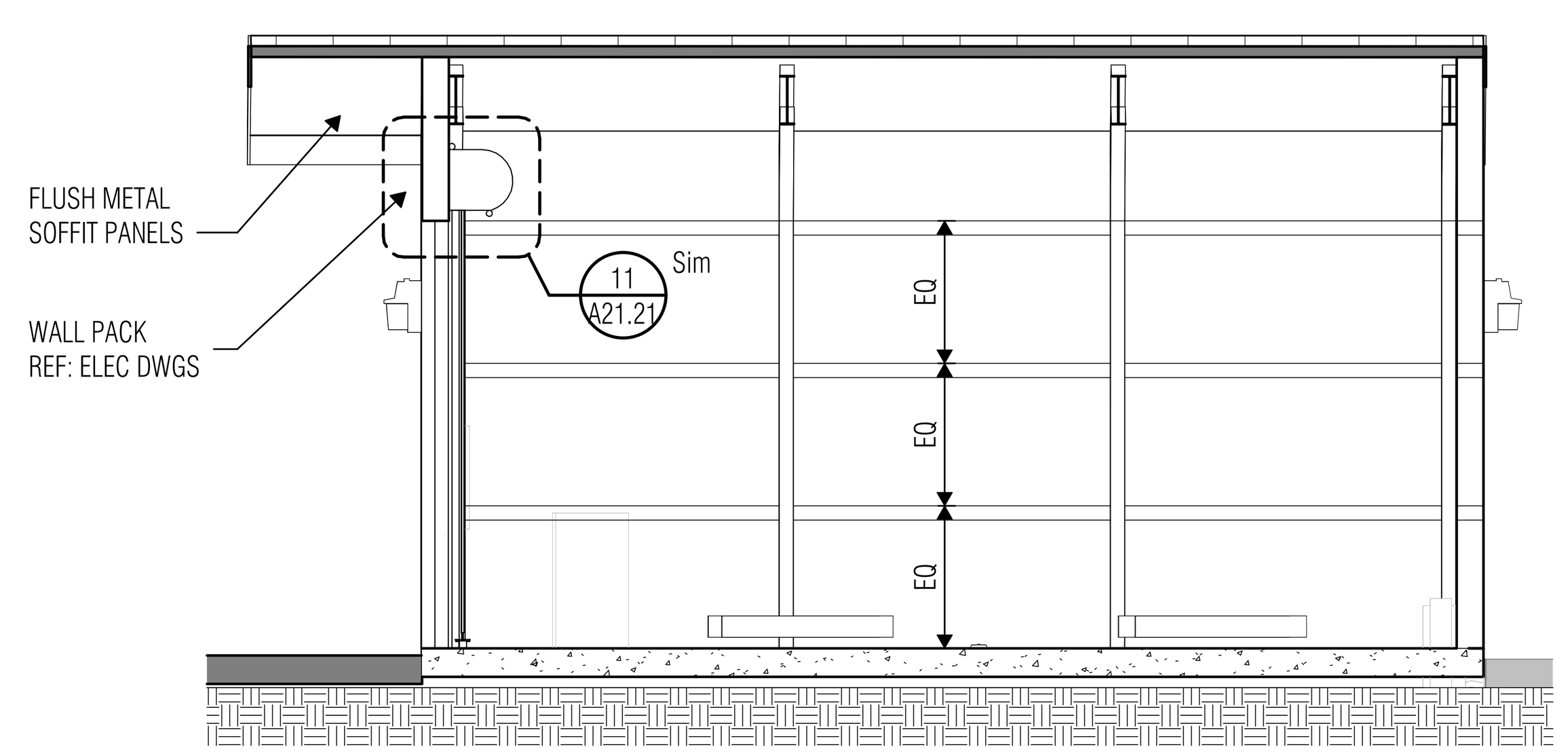
6 BUILDING ELEVATION
SCALE: 1/4" = 1'-0"



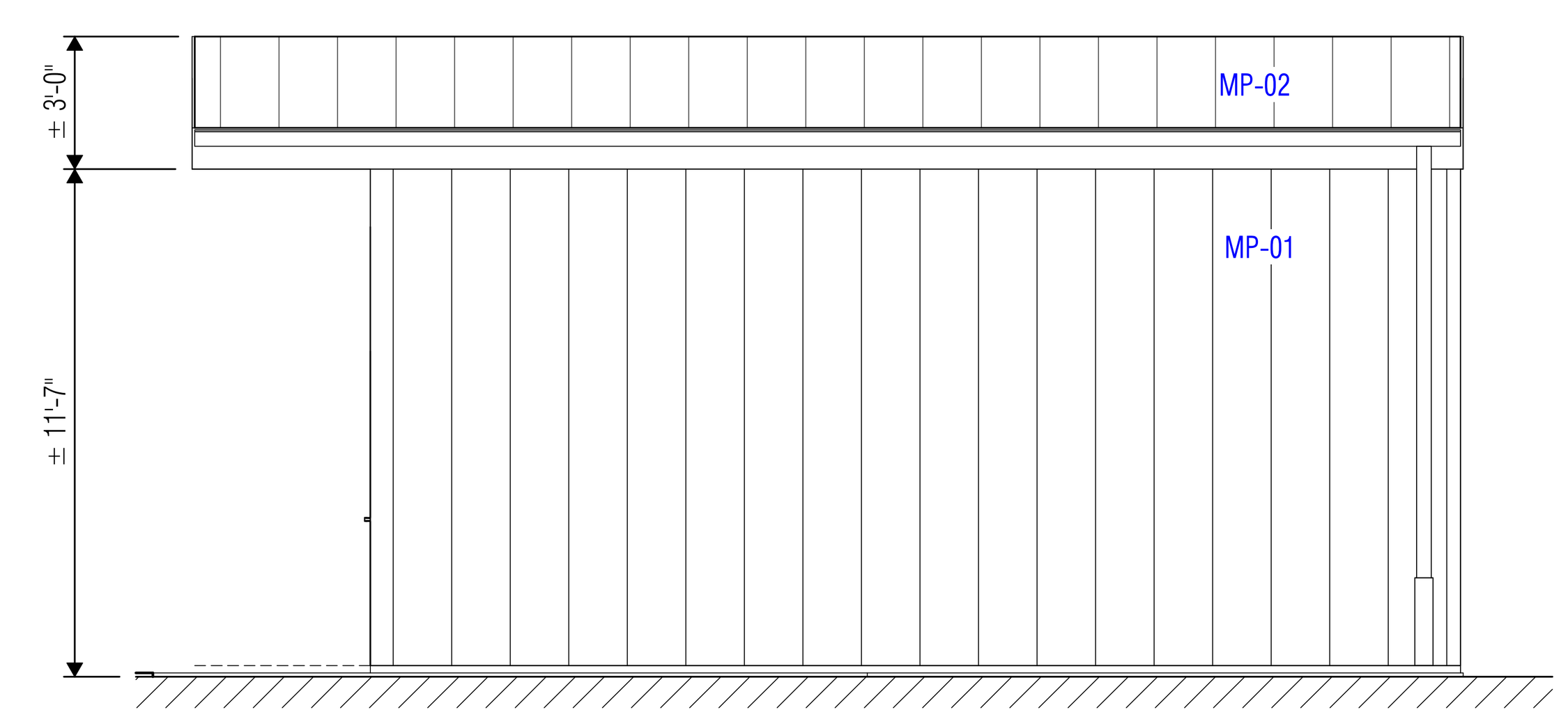
5 BUILDING ELEVATION
SCALE: 1/4" = 1'-0"



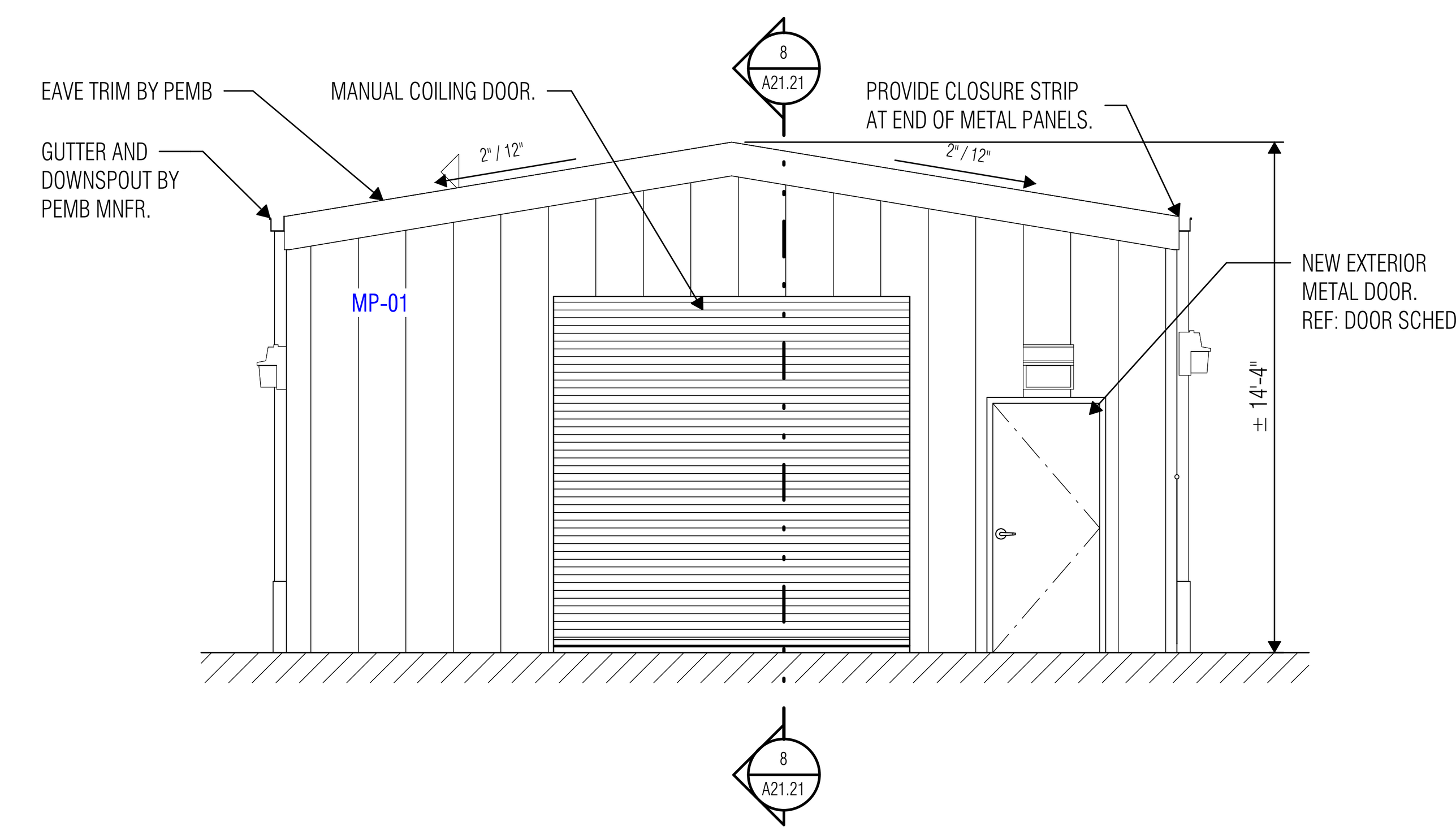
7 WALL SECTION
SCALE: 1/4" = 1'-0"



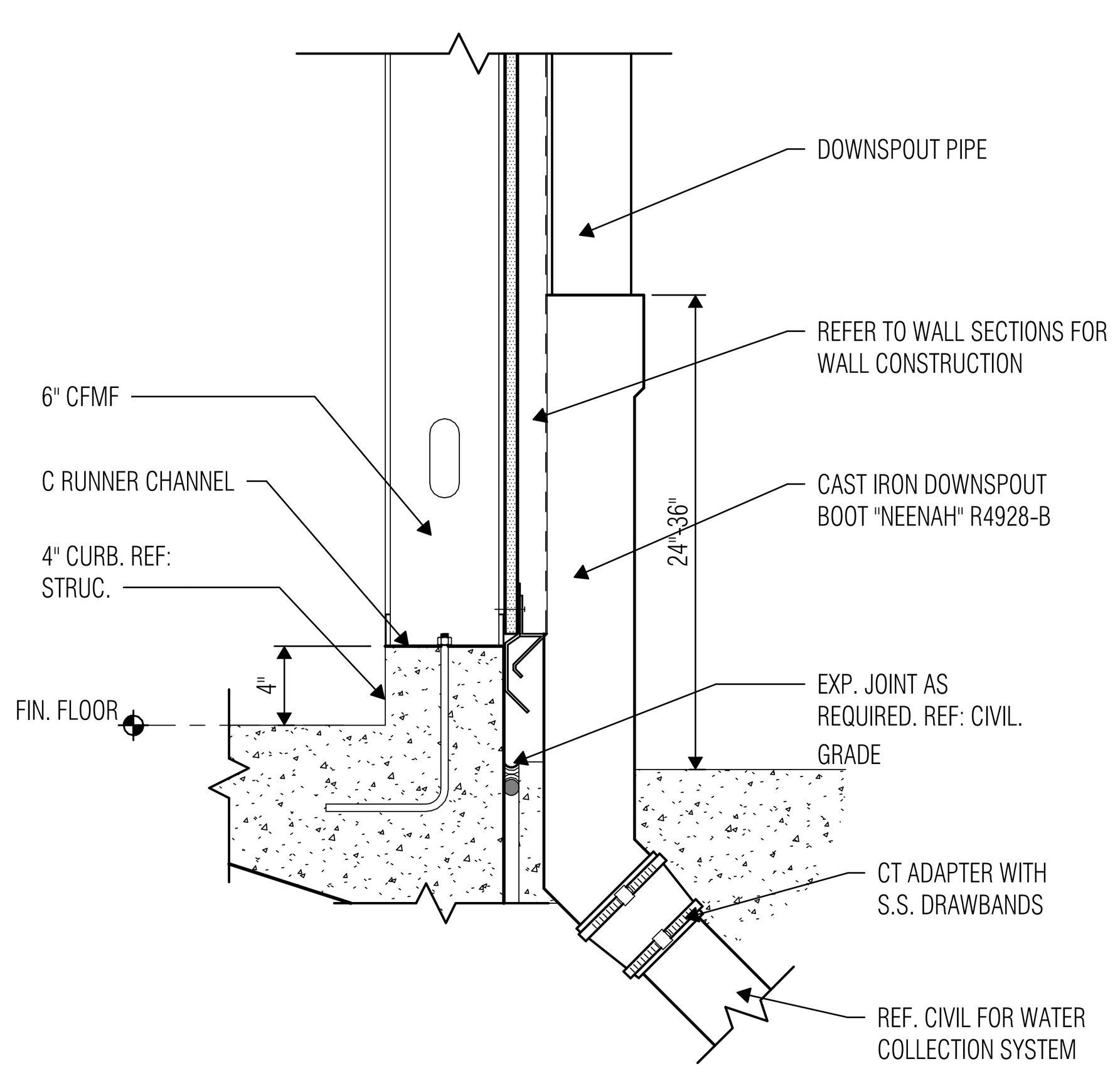
8 LABAY - ATHLETIC STORAGE SECTION
SCALE: 1/4" = 1'-0"



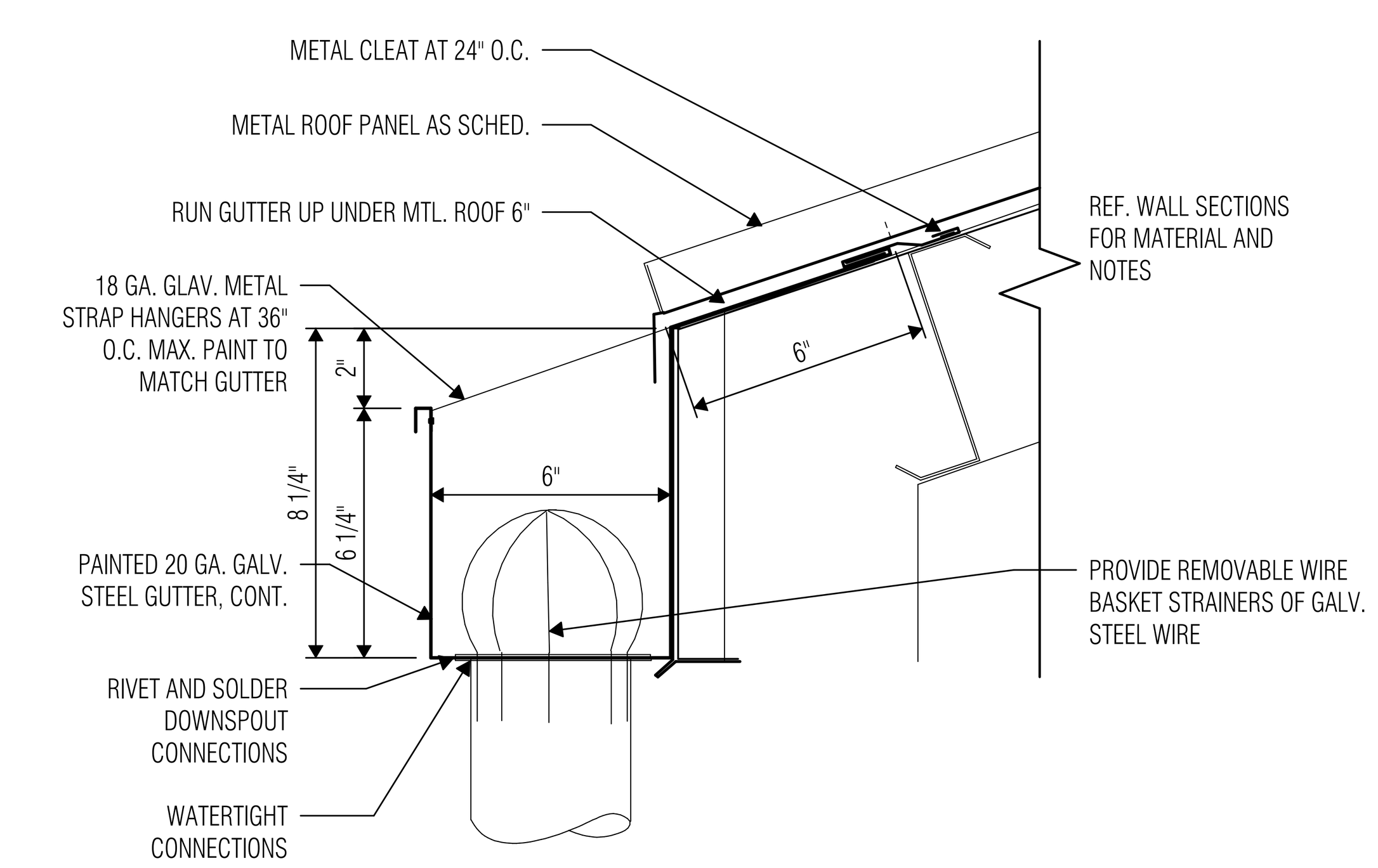
3 BUILDING ELEVATION
SCALE: 1/4" = 1'-0"



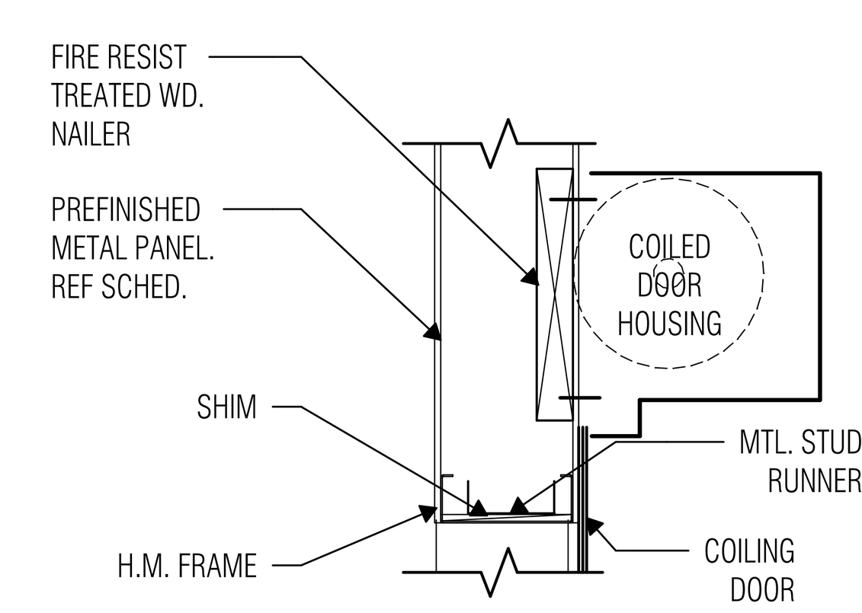
4 BUILDING ELEVATION
SCALE: 1/4" = 1'-0"



9 LABAY - STORAGE DOWNSPOUT BOOT
SCALE: 1 1/2" = 1'-0"



10 LABAY - GUTTER PREFINISHED METAL ROOF
SCALE: 3" = 1'-0"



11 LABAY - HEAD DETAIL_COILING DOOR
SCALE: 1 1/2" = 1'-0"

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ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
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CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT — STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

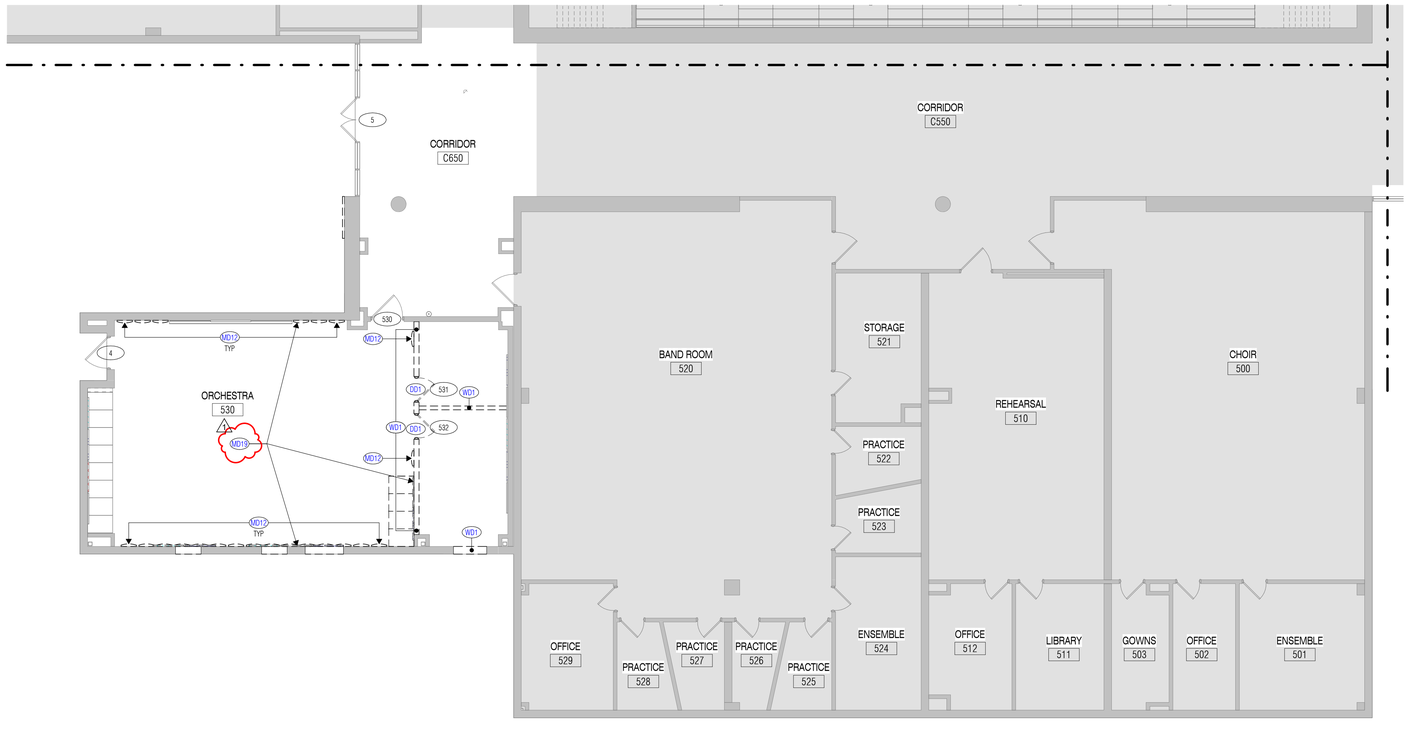
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director RSJ	Drawn By STH, KM
Designer	Quality Control
Proj. Arch. TQ	

PROJECT NO.
24-010.00

SHEET TITLE
LABAY - ENLARGED ARCHITECTURAL SITE PLANS & CANOPY PLANS

SHEET NO.
A21.21



1 UNIT "A" DEMOLITION PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. Drawings show the general extent of demolition work, however it is impractical to indicate or note every item of demolition. Any items shown dashed are to be removed to make way for new construction, unless noted otherwise. Contractor shall notify Architect of any discrepencies between demolition and construction drawings prior to demolition.
2. Removal of any asbestos containing materials within the area of work shall be included in the Contractor's scope. Refer to asbestos abatement report and requirements.
3. Contractor shall protect existing items to remain from damage throughout all phases of the project. Contractor shall repair, at no cost to the owner, any damages they incur on the existing building and site not scheduled for alteration, as a result of construction activities. Contractor shall provide video documentation of existing conditions prior to start of construction and provide video to Architect.
4. Contractor to notify Architect if items shown as existing to remain need to be removed to make way for new work. Contractor is responsible for removing said items, unless noted otherwise, including but not limited to: furniture, equipment, shelving, fixtures, utilities, etc. Contractor shall carefully remove, protect, and reinstall items back to their original positions and make all original connections, when work in the affected area is complete. Any item damaged as a result of construction activity shall be replaced at Contractor's expense. This note shall apply to all areas with construction activity.
5. Refer to Civil, MEPT, and Structural drawings for additional demolition scope.
6. Patch/repair ceilings, walls, and flooring to match existing at all removed or demolished doors, windows, walls, millwork, lockers, and similar items. Refer to SECTION 01 36 13 for additional information regarding patch and repair.

DEMOLITION LEGEND

= = = ITEMS TO BE DEMOLISHED

EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

MAJOR ARCHITECTURAL WORK REQUIRED IN THIS AREA

KEYNOTE LEGEND

DD1	REMOVE AND PROPERLY DISPOSE OF DOOR, HARDWARE, AND FRAME. PREPARE AREA TO RECEIVE NEW CONSTRUCTION.
MD12	CAREFULLY REMOVE AND PROTECT ALL EXISTING BARREL SOUND DIFFUSERS WITHIN THIS ROOM AND RETURN TO OWNER.
MD19	CAREFULLY REMOVE STORE AND PROTECT ACOUSTIC PANELS. PREPARE AREA FOR NEW CONSTRUCTION.
WD1	CAREFULLY REMOVE AND PROPERLY DISPOSE OF WALL AS SHOWN ON KEYED DWGS. CLEAN AND PREPARE AREA FOR NEW CONSTRUCTION. CAP AND ABANDON ALL EXISTING UTILITIES IN WALL. RE: MEP DRAWINGS FOR ADDITIONAL INFORMATION.

VLK|ARCHITECTS

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
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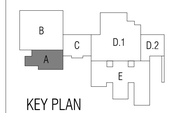


KEY PLAN

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

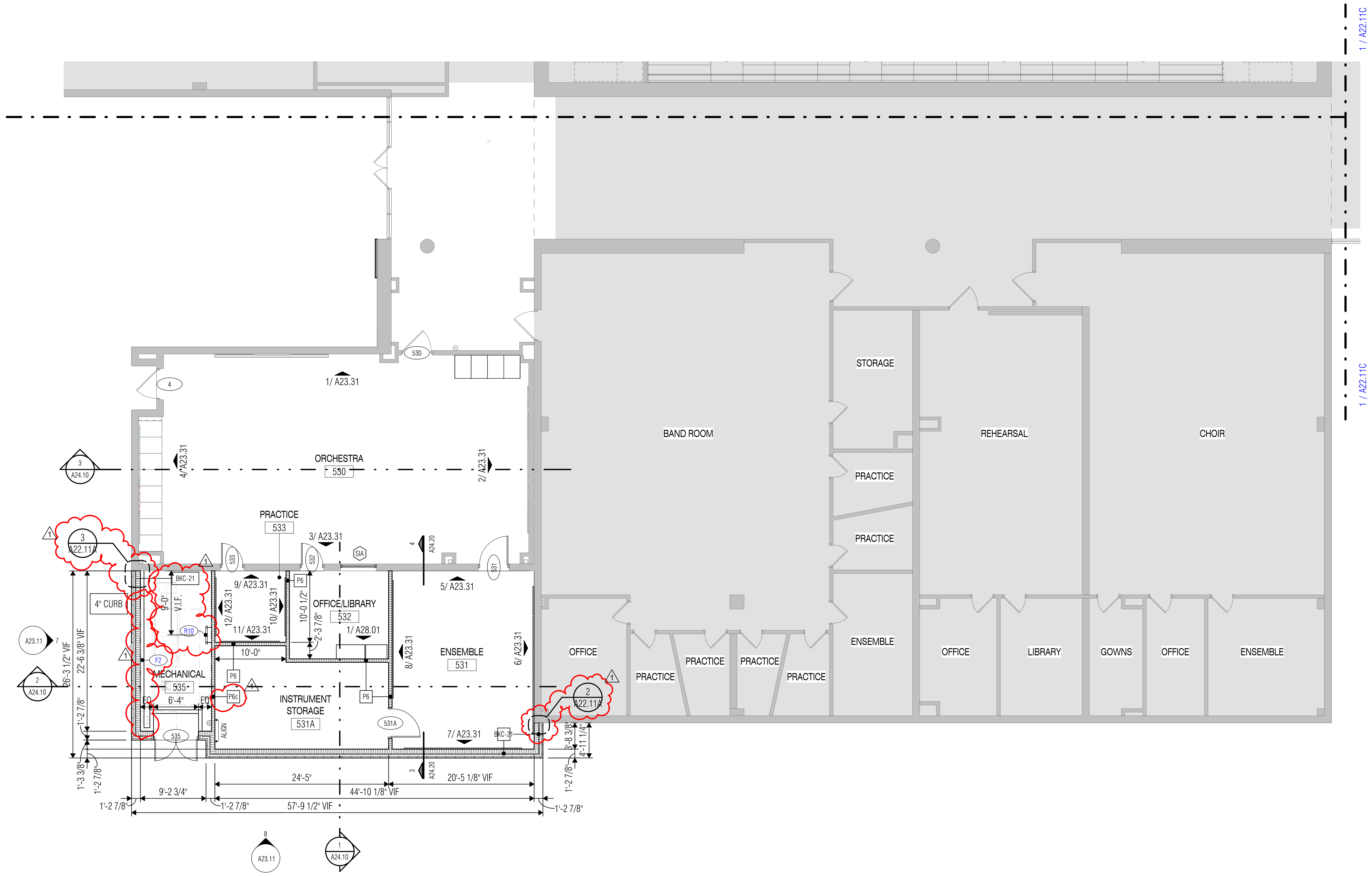
Director	Drawn By
Approver	STH, KM
Designer	Quality Control
Designer	
Proj. Arch.	
Checker	

PROJECT NO.
24-010.00

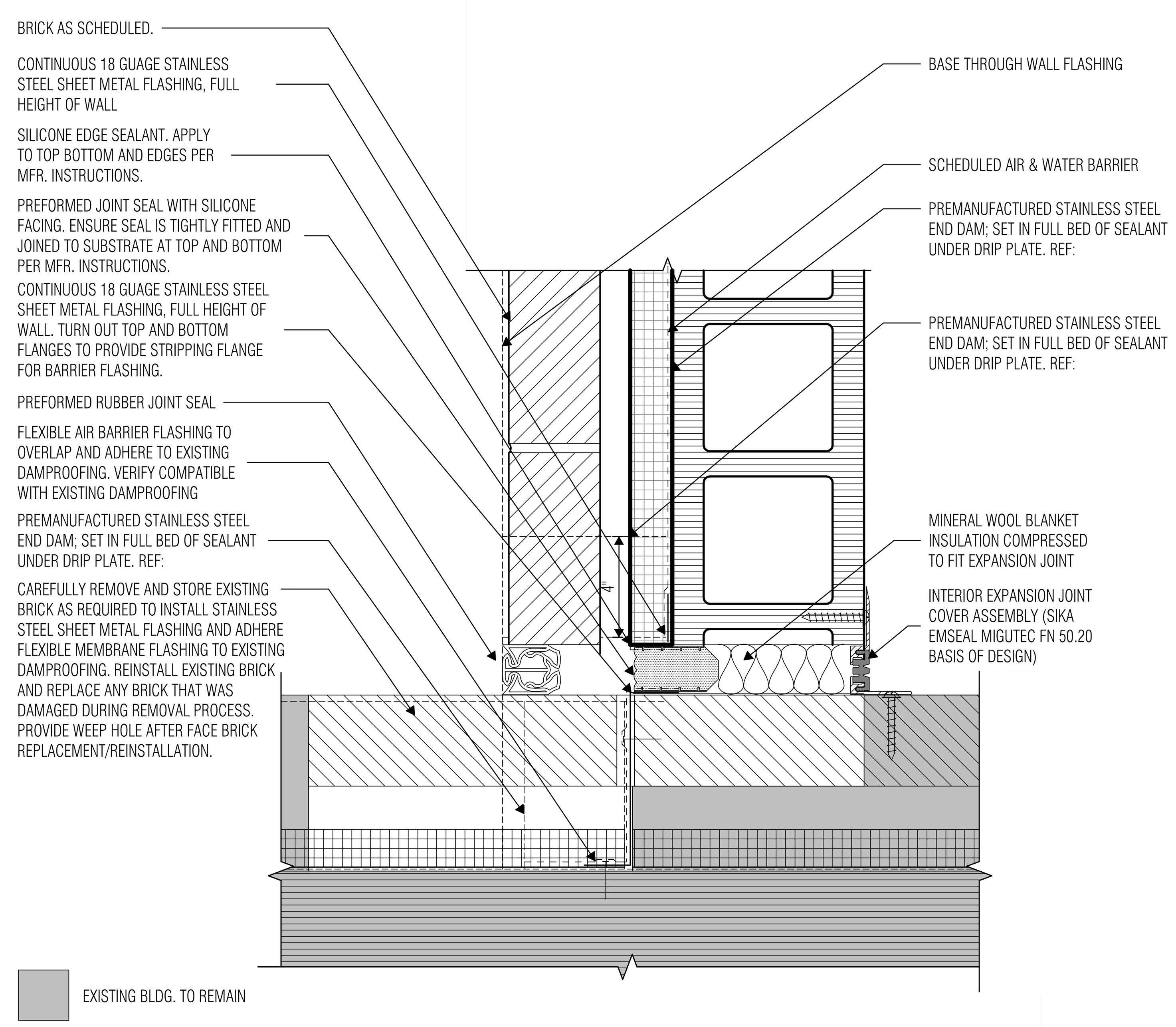
SHEET TITLE
LABAY - UNIT A DEMOLITION PLAN - LEVEL ONE

SHEET NO.
A22.01A

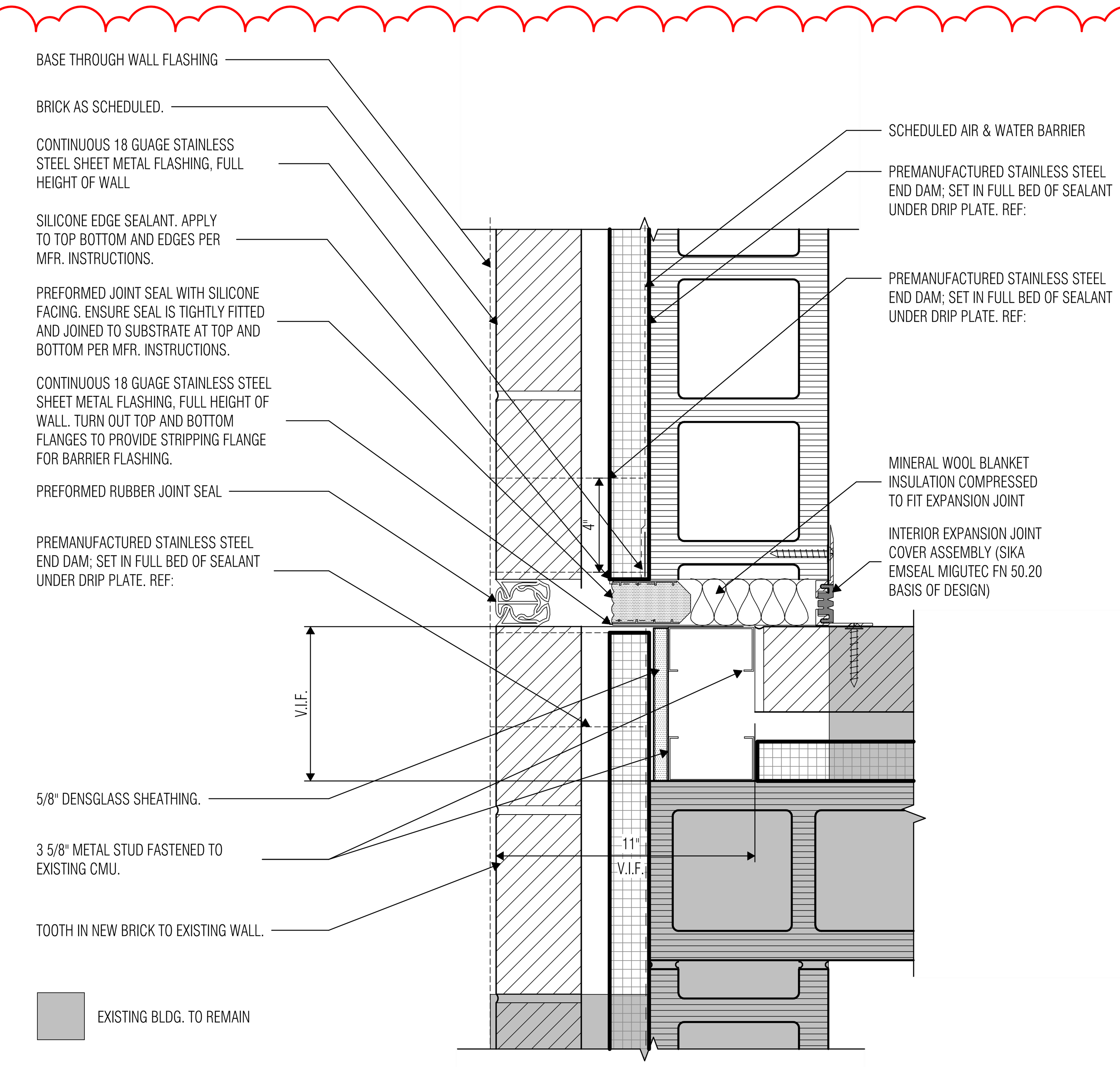
2024 Cook, Labay & Truitt MS Renovations



1 UNIT "A" PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"



2 LABAY EXAPNSION JOINT @ EXTERIOR WALL TYP.
SCALE: 3" = 1'-0"



3 LABAY EXAPNSION JOINT @ EXTERIOR WALL
SCALE: 3" = 1'-0"

FLOOR PLAN NOTES

1. Refer to Civil Grading drawings for Primary Ground Level floor elevation relative to Mean Sea Level. Architectural Finish Floor (100'-0" datum) is equal to Civil FFE.
2. Dimensions on Floor Plans are to face of stud or CMU unless noted otherwise.
3. Coordinate the location of electrical devices with casework, millwork, lockers, etc. Any electrical device that is not properly coordinated shall be relocated at no additional cost.
4. Exterior wall construction is identified on the Wall Sections. Refer to the A'4-series sheets for Wall Sections, and to A14.30, A24.30, A34.30 for Exterior Wall Assemblies.
5. Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
6. Refer to PARTITION TYPES (A12.21, A22.21, A32.21) for Partition Types Legend.
7. Interior partitions are Type "P6" unless noted otherwise.
8. Refer to Detail 4/A0.31 for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
9. Refer to PARTITION DETAILS sheets for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
10. Refer to PARTITION DETAILS sheets for Typical Bracing at Non-Loadbearing CMU Partitions.
11. Refer to Exterior Elevations for exact locations of downspouts.
12. Provide factory bullnose units at all interior exposed vertical edges of CMU, except at starter course with applied base material where square-edge units shall be provided in lieu of bullnose units.
13. Provide 4" starter courses at all CMU walls and partitions unless noted otherwise.
14. Provide steel or masonry lintels over all openings in CMU walls, including those required for mechanical ductwork and dampers, whether specifically indicated on the drawings or not.
15. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
16. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
17. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
18. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
19. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to CASEWORK ELEVATIONS & DETAILS sheets for typical blocking requirements at various conditions.
20. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
21. Provide sealant and/or fire safing at all floor penetrations, as applicable.
22. Existing equipment to remain U.N.O. Contractor to relocate equipment as needed to complete new construction. Contractor shall reinstall equipment upon completion of construction. All equipment to be in as good or better working condition as prior to the start of construction.

FLOOR PLAN LEGEND

	METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Floor Plan Notes. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.
	CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.
	EXISTING WALL TO REMAIN.
WIDTH / DEPTH	MOVEABLE METAL SHELVING. Depth and Width dimensions match that of this legend, unless otherwise noted.
	FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.
MB	MARKERBOARD. Preceding number is length, in feet.
-SL	WITH HALF STAFF LINES
TB	TACKBOARD. Preceding number is length, in feet.
TS	TACK STRIP. Preceding number is length, in feet.
IM	INTERACTIVE MARKERBOARD
EX-	EXISTING
IFP	INTERACTIVE FLAT PANEL
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
FHC	FIRE HOSE CABINET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
DS	DOWNSPOUT

KEYNOTE LEGEND

F2	CONTINUE CURB AROUND MECH ROOM DOOR. SIZE OF CURB TO MATCH ADJACENT PARTITION CURB. RE: STRUC.
R10	WALL-MOUNTED ROOF LADDER WITH SAFETY POST.

VLK | ARCHITECTS

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

KEY PLAN
B, C, D.1, D.2, A, E

REGISTERED ARCHITECT · STATE OF TEXAS · 24202
03/06/2025

ISSUED: February 24, 2025

REVISIONS

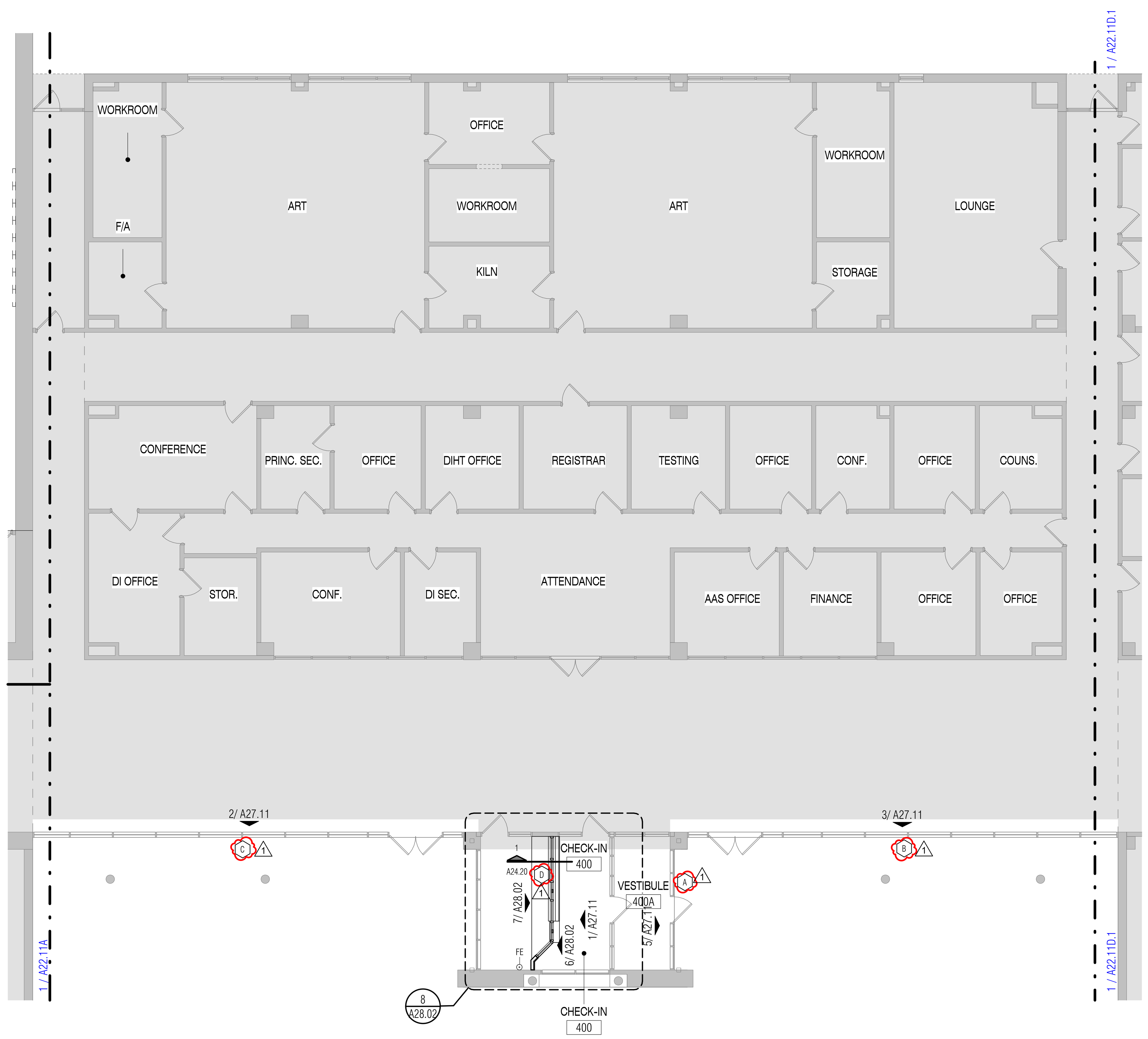
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ	Drawn By: STH, KM
Designer	Quality Control
Proj. Arch.: TQ	

PROJECT NO.
24-010.00

SHEET TITLE
LABAY - UNIT A FLOOR PLAN - LEVEL ONE

SHEET NO.
A22.11A



1 UNIT "C" PLAN - LEVEL ONE

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

FLOOR PLAN NOTES

1. Refer to Civil Grading drawings for Primary Ground Level floor elevation relative to Mean Sea Level. Architectural Finish Floor (100'-0" datum) is equal to Civil FFE.
2. Dimensions on Floor Plans are to face of stud or CMU unless noted otherwise.
3. Coordinate the location of electrical devices with casework, millwork, lockers, etc. Any electrical device that is not properly coordinated shall be relocated at no additional cost.
4. Exterior wall construction is identified on the Wall Sections. Refer to the A'4-series sheets for Wall Sections, and to A14.30, A24.30, A34.30 for Exterior Wall Assemblies.
5. Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
6. Refer to PARTITION TYPES (A12.21, A22.21, A32.21) for Partition Types Legend.
7. Interior partitions are Type "P6" unless noted otherwise.
8. Refer to Detail 4/A0.31 for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
9. Refer to PARTITION DETAILS sheets for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
10. Refer to PARTITION DETAILS sheets for Typical Bracing at Non-Loadbearing CMU Partitions.
11. Refer to Exterior Elevations for exact locations of downspouts.
12. Provide factory bullnose units at all interior exposed vertical edges of CMU, except at starter course with applied base material where square-edge units shall be provided in lieu of bullnose units.
13. Provide 4" starter courses at all CMU walls and partitions unless noted otherwise.
14. Provide steel or masonry lintels over all openings in CMU walls, including those required for mechanical ductwork and dampers, whether specifically indicated on the drawings or not.
15. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
16. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
17. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
18. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
19. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to CASEWORK ELEVATIONS & DETAILS sheets for typical blocking requirements at various conditions.
20. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
21. Provide sealant and/or fire safing at all floor penetrations, as applicable.
22. Existing equipment to remain U.N.O. Contractor to relocate equipment as needed to complete new construction. Contractor shall reinstall equipment upon completion of construction. All equipment to be in as good or better working condition as prior to the start of construction.

FLOOR PLAN LEGEND

METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Floor Plan Notes. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

EXISTING WALL TO REMAIN.

WIDTH / DEPTH — MOVEABLE METAL SHELVING. Depth and Width dimensions match that of this legend, unless otherwise noted.

FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

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-SL	WITH HALF STAFF LINES
TB	TACKBOARD. Preceding number is length, in feet.
TS	TACK STRIP. Preceding number is length, in feet.
IM	INTERACTIVE MARKERBOARD
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DS	DOWNSPOUT

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ARCHITECT

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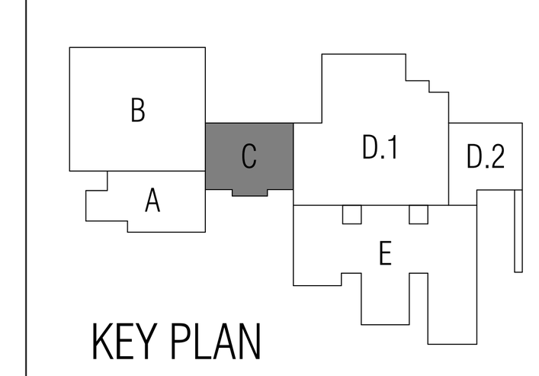
CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations



KEY PLAN

03/06/2025

ISSUED: February 24, 2025

REVISIONS

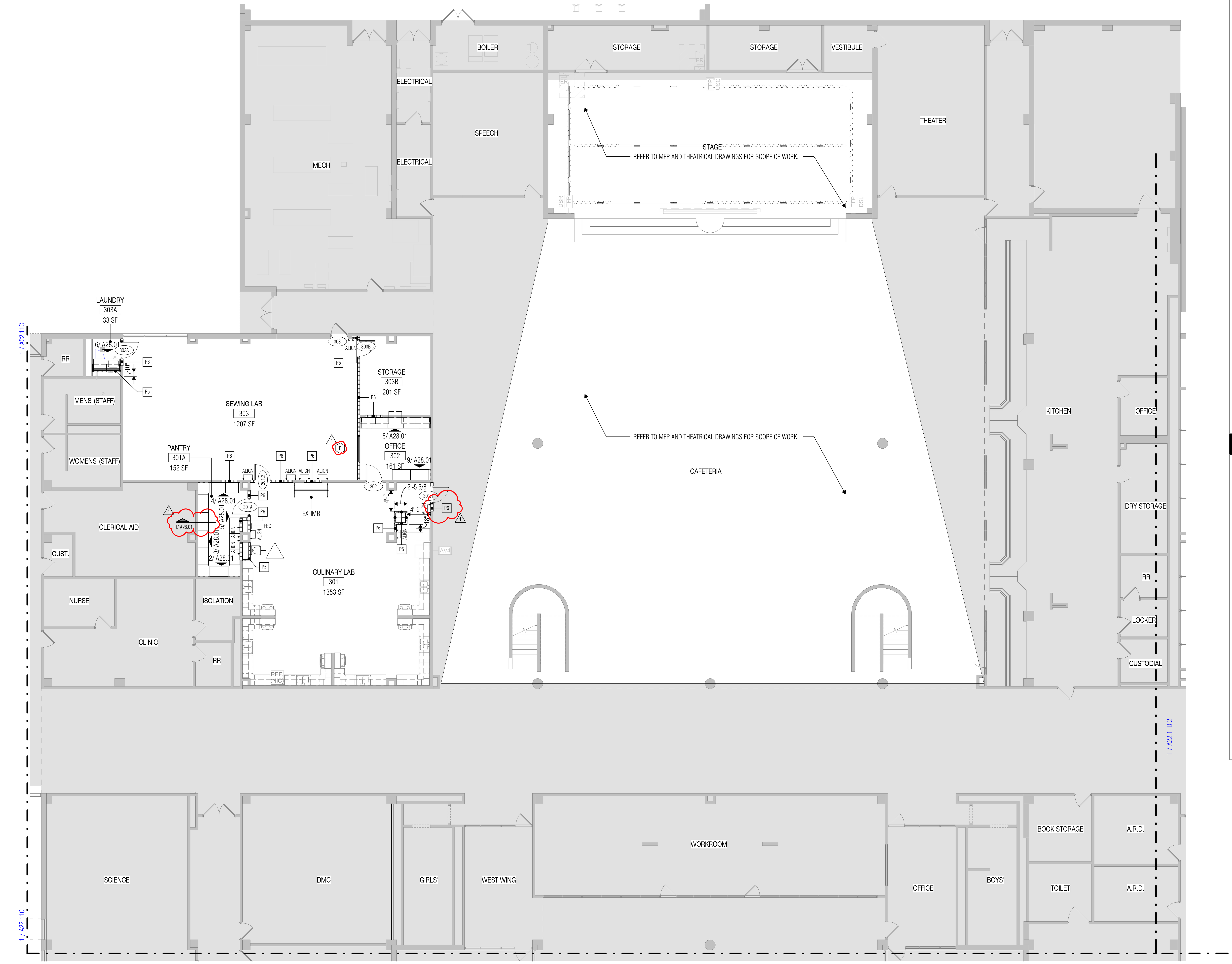
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

PROJECT NO.: 24-010.00

SHEET TITLE: LABAY - UNIT C FLOOR PLAN - LEVEL ONE

SHEET NO.: A22.11C



1 UNIT "D.1" PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

FLOOR PLAN NOTES

1. Refer to Civil Grading drawings for Primary Ground Level floor elevation relative to Mean Sea Level. Architectural Finish Floor (100'-0" datum) is equal to Civil FFE.
2. Dimensions on Floor Plans are to face of stud or CMU unless noted otherwise.
3. Coordinate the location of electrical devices with casework, millwork, lockers, etc. Any electrical device that is not properly coordinated shall be relocated at no additional cost.
4. Exterior wall construction is identified on the Wall Sections. Refer to the A' '4-series sheets for Wall Sections, and to A14.30, A24.30, A34.30 for Exterior Wall Assemblies.
5. Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
6. Refer to PARTITION TYPES (A12.21, A22.21, A32.21) for Partition Types Legend.
7. Interior partitions are Type "P6" unless noted otherwise.
8. Refer to Detail 4/A0.31 for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
9. Refer to PARTITION DETAILS sheets for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
10. Refer to PARTITION DETAILS sheets for Typical Bracing at Non-Loadbearing CMU Partitions.
11. Refer to Exterior Elevations for exact locations of downspouts.
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19. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to CASEWORK ELEVATIONS & DETAILS sheets for typical blocking requirements at various conditions.
20. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
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FLOOR PLAN LEGEND

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CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

EXISTING WALL TO REMAIN.

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FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

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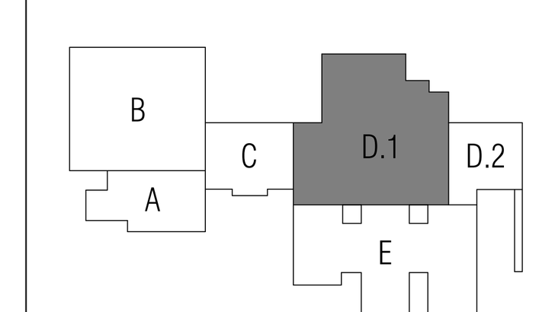
2024 Cook, Labay & Truitt MS Renovations



KEY PLAN

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

PROJECT NO.
24-010.00

SHEET TITLE
LABAY - UNIT D.1 FLOOR PLAN - LEVEL ONE

SHEET NO.
A22.11D.1

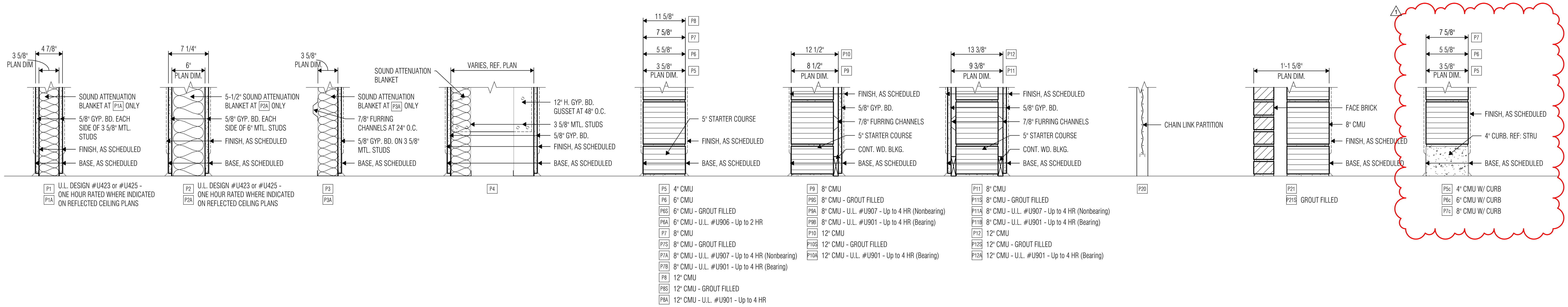
PARTITION NOTES

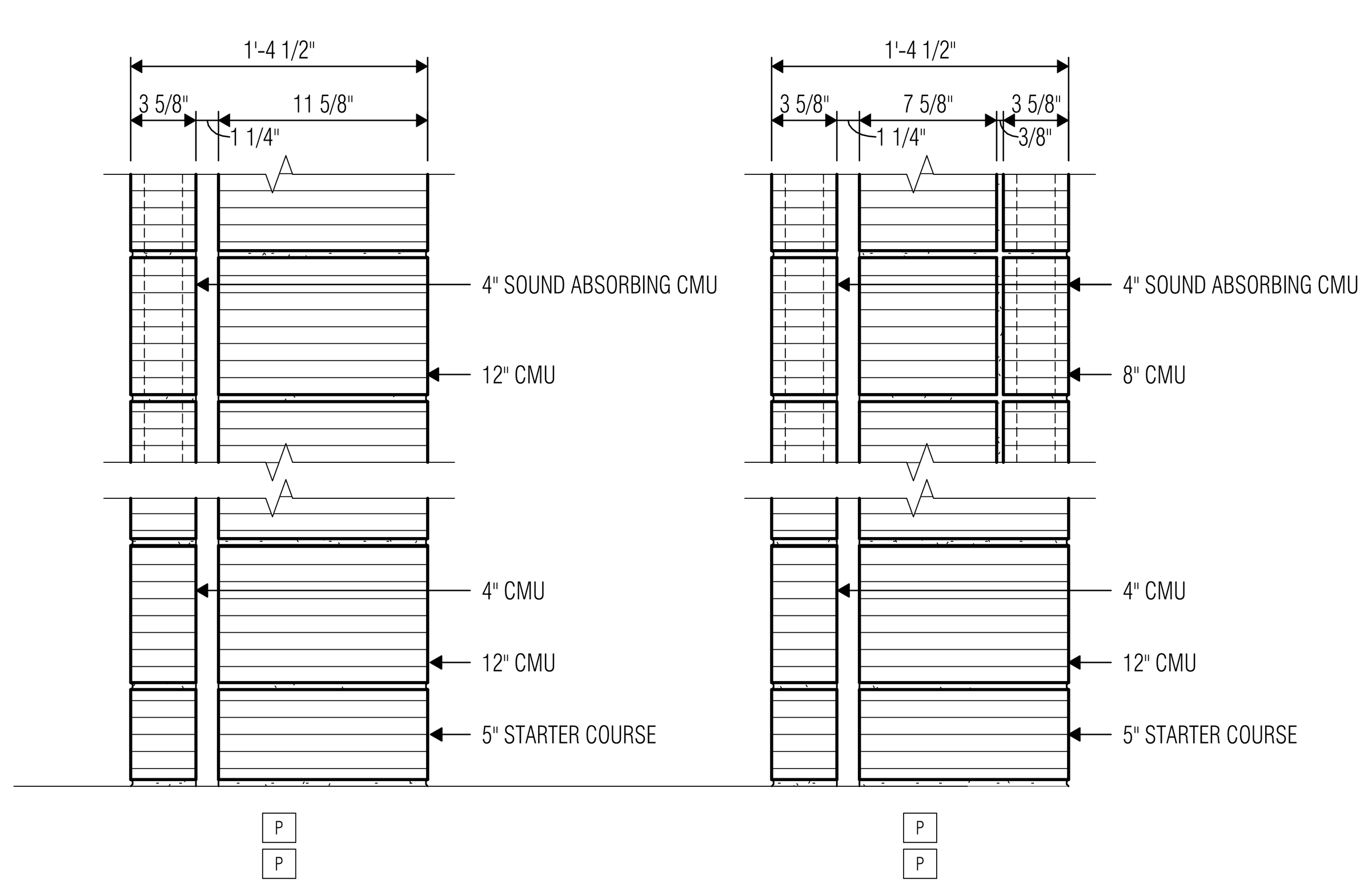
1. Refer to Floor Plan Notes for additional metal stud requirements at Ceramic Tile, Plaster, Anchored Masonry or Stone Veneer, and Adhered Masonry or Stone Veneer.
2. Refer to Floor Plan Notes for CMU starter course requirements.
3. Refer to Sheet A' '2.22 for typical partition details.
4. Refer to Reflected Ceiling Plans for location of fire rated partitions.
5. Refer to Reflected Ceiling Plans for location of non-rated partitions that extend to the structural deck above.
6. Provide firestopping as required to achieve the fire-resistive rating at all penetrations, gaps and other openings through or around rated floors, roofs, walls and partitions.
7. At all rated and acoustical partitions that extend to structural deck above, seal to the floor below and to the structure above. Provide firestopping at rated partitions, and acoustical sealant at acoustical and sound conditioned other partitions.
8. At all partitions that extend to structural deck above, provide gypsum board enclosure around beams, joists, ducts, etc. as required to maintain fire-resistive ratings and acoustical requirements.
9. Typical CMU notes, unless otherwise noted on structural drawings:
   A. Provide steel bracing as shown on Sheet A' '2.2__ .
   B. Provide continuous bond beam with (2) #4 reinforcing bars at top course of all 6" and 8" CMU partitions, whether indicated on details or not.
10. 4" CMU shall not be used for interior partitions, except at chase walls where specifically indicated.

STUD PARTITION SIZING SCHEDULE

STUD DEPTH	STUD SPACING	STUD GAGE	EQ STUD	MAX LENGTH	MAX LENGTH (at Tile/Plaster)
3-5/8"	16" O.C	25 (18 mils)	25EQ	15'-6"	N/A
3-5/8"	16" O.C	20 (30 mils)	20EQ	16'-0"	14'-0"
6"	16" O.C	25 (18 mils)	25EQ	21'-6"	N/A
6"	16" O.C	20 (30 mils)	20EQ	22'-6"	19'-6"

NOTES:
1. All doors shall have a minimum of 20 gage framing where required by specifications.
2. See Floor Plan Notes and Partition Notes for additional metal stud requirements at ceramic tile, plaster, anchored masonry/stone veneer, or adhered masonry/stone veneer.
3. Max. Lengths assume both sides of studs braced full-height of partition.
4. Max. Lengths are based on 5 psf lateral loading and L/240 deflection (L/360 at tile/plaster).
5. Equivalent (EQ) studs are not allowable at abuse-resistant or impact-resistant gyp board. Provide true 20 gage studs with minimum 0.0312 inches design thickness at these locations.





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

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
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Main Phone: 281.671.2300
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CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT — STATE OF TEXAS — 24202
03/06/2025

ISSUED: February 24, 2025

REVISIONS

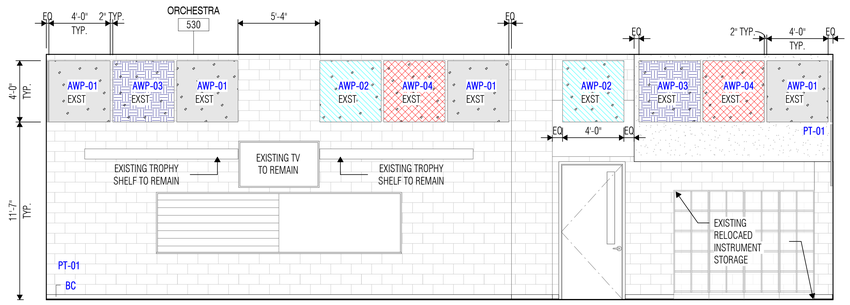
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

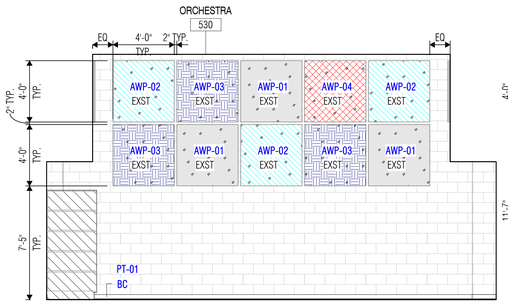
PROJECT NO.
24-010.00

SHEET TITLE
LABAY - PARTITION TYPES

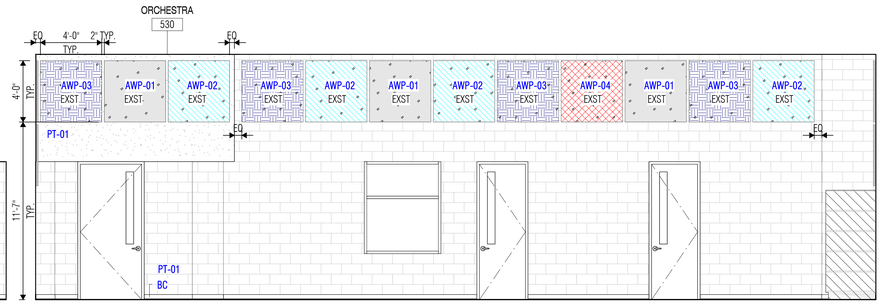
SHEET NO.
A22.21



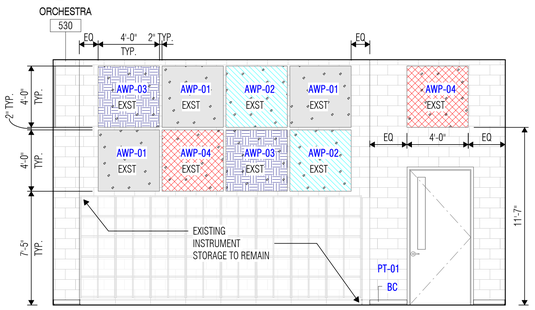
1 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



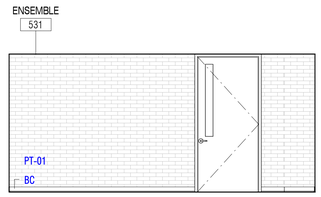
2 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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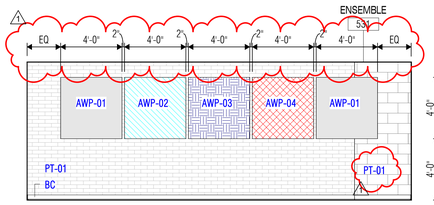
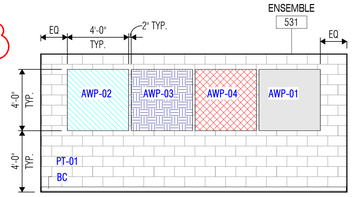
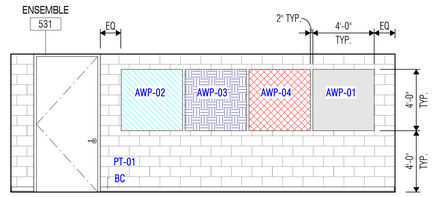


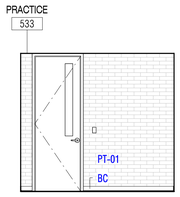
6 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



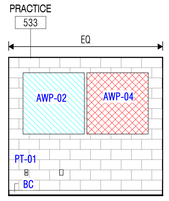
7 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



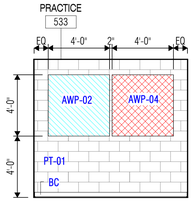
8 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



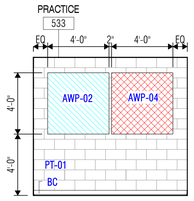
9 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



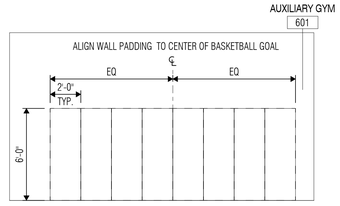
10 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



11 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



12 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



15 WALL PADDING TYP.
SCALE: 1/4" = 1'-0"

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ARCHITECT

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CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT
RUDOLPH STAMPS
24207
STATE OF TEXAS

03/06/2025

ISSUED: February 24, 2025

REVISIONS

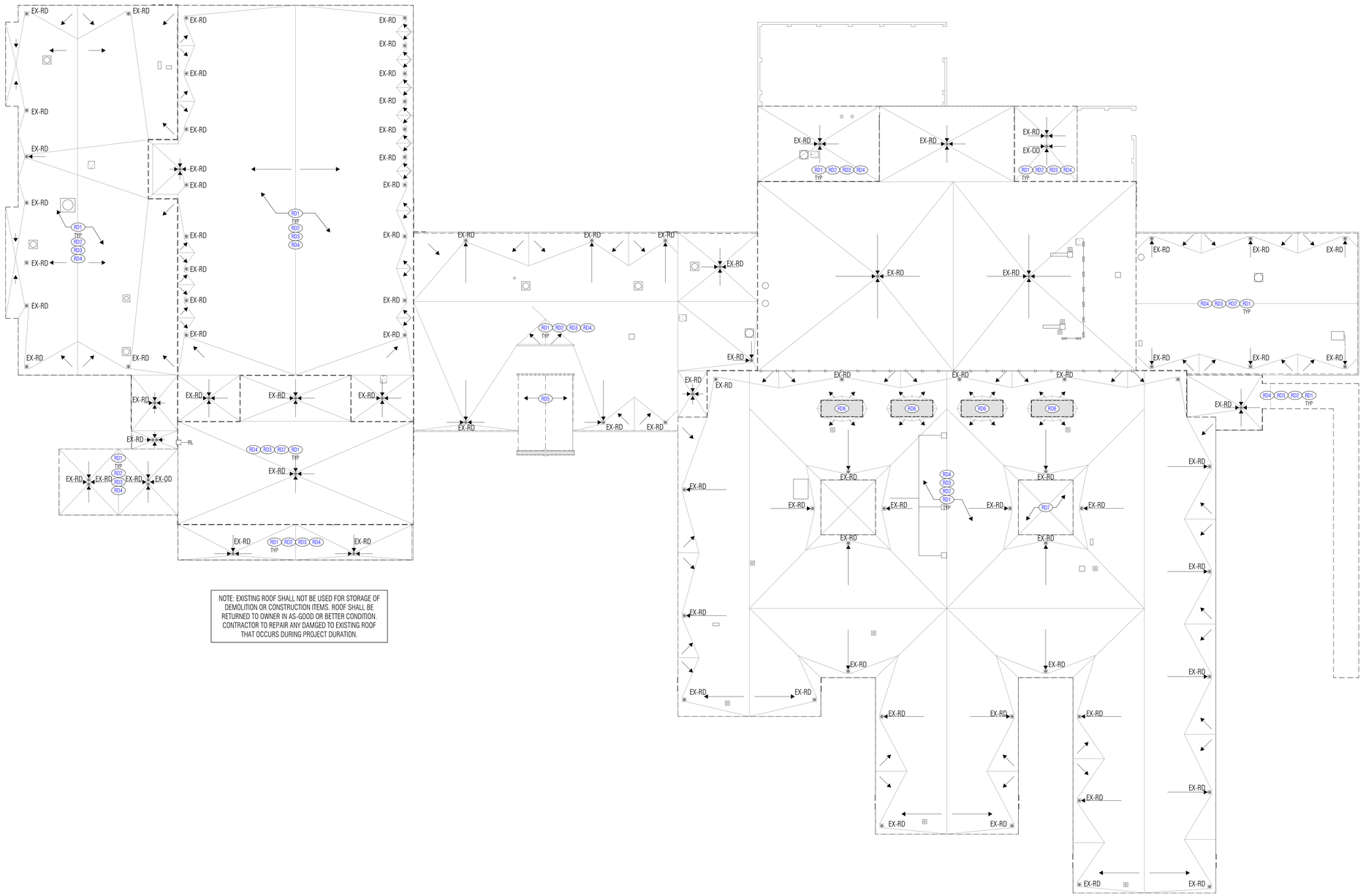
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch.	
TQ	

PROJECT NO.
24-010.00

SHEET TITLE
LABAY - INTERIOR ELEVATIONS

SHEET NO.
A23.31



NOTE: EXISTING ROOF SHALL NOT BE USED FOR STORAGE OF DEMOLITION OR CONSTRUCTION ITEMS. ROOF SHALL BE RETURNED TO OWNER IN AS-GOOD OR BETTER CONDITION. CONTRACTOR TO REPAIR ANY DAMGED TO EXISTING ROOF THAT OCCURS DURING PROJECT DURATION.

1 OVERALL ROOF DEMO PLAN
SCALE: 3/64" = 1'-0"

ROOF PLAN NOTES

1. Provide tapered insulation crickets at the high side of all rooftop curbs, mounting rails, and other miscellaneous roof penetrations as required to shed water around them and to ensure positive roof drainage, whether indicated on the drawings or not.
2. Crickets shall slope 1/2" per foot, unless noted otherwise.
3. Locate overflow scuppers per Building Elevations. If conflicts occur, contact Architect prior to construction.
4. Provide roof walkway protection at base of all roof ladders, around all sides of roof hatches, on all sides of rooftop units and condensing units, and on paths leading from roof access points to rooftop units and condensing units, whether indicated on drawings or not.
5. Provide layer of roof walkway protection under all pipe and conduit supports, fully-adhered to roof membrane.
6. Provide additional layer of single-ply roof membrane at the discharge point of downspouts, where splash pans are not provided.
7. Provide metal end closure at the ends of expansion joints, flashings and counterflashings.
8. Paint all exposed galvanized metal flashings, miscellaneous steel, piping, conduits, etc. that are not prefinished.
9. Clean and paint strainer baskets.
10. All sheet metal fascia, gutters and downspouts shall be pre-finished aluminum. All metal flashings embedded in roof membrane and in though-wall conditions shall be stainless steel.

ROOF PLAN LEGEND

	NEW ROOF ASSEMBLY
EX-RD	EXISTING ROOF DRAIN
EX-OD	EXISTING OVERFLOW PLAN
CTES-TCT	EXISTING COAL-TAR PITCH ELASTOMERIC SHEET ROOFING OVER EXISTING TECTUM PANEL DECKING
CTES-LW	EXISTING COAL-TAR PITCH ELASTOMERIC SHEET ROOFING OVER EXISTING TECTUM PANEL DECKING
CTES-STRLLW	EXISTING COAL-TAR PITCH ELASTOMERIC SHEET ROOFING OVER EXISTING LIGHT WEIGHT CONCRETE DECKING
	EXISTING EXPANSION JOINT
SS.F. SS.F. SS.F.	NEW STAINLESS STEEL THROUGH WALL FLASHING
	EXISTING FIRE HATCH
	EXISTING MECHANICAL, ELECTRICAL, PLUMBING UNITS
	DEMOLISHED ITEMS

ROOF PLAN LEGEND

BUR	BUILT-UP BITUMINOUS ROOFING
MBM	MODIFIED BITUMINOUS MEMBRANE ROOFING
CTES	COAL-TAR PITCH ELASTOMERIC SHEET ROOFING
T.O.M.	TOP OF MASONRY ELEVATION
T.O.D.	TOP OF DECK ELEVATION
T.O.S.	TOP OF STEEL ELEVATION
RD	ROOF DRAIN, REF.
OD	OVERFLOW DRAIN WITH DOWNSPOUT NOZZLE, REF.
OS	OVERFLOW SCUPPER, REF. _/A_.__
DS	DOWNSPOUT, REF. _/A_.__
DSC	DOWNSPOUT WITH SCUPPER AND CONDUCTOR HEAD, REF. _/A_.__
SB	SPLASH BLOCK, CONCRETE, REF. _A/__
SP	SPLASH PAN, REF. _/A_.__
MC	MANUFACTURED COPING, REF. _/A_.__
RH	ROOF HATCH, REF.
RL	ROOF LADDER, REF. _/A_.__
RTU	ROOFTOP UNIT, REF. MECHANICAL & _/A_.__
CU	CONDENSING UNIT, REF. FOOD SERVICE, M.E.P. & _/A_.__
GP	GAS PIPE PENETRATION, REF.
RV	RELIEF VENT, REF. M.E.P.
EF	EXHAUST FAN, REF. M.E.P.

DEMO KEYED NOTES

RD1	CLEAN AND PREPARE ROOF TO RECIEVE NEW CAP SHEET. CUT OUT AND REPAIR ANY DEFORMATIONS OR BUBBLES IN THE EXISTING ROOF LAYERS.
RD2	CAREFULLY REMOVE ALL EXISTING ROOF COPING AND FLASHING. EXISTING BLOCKING TO REMAIN, U.N.O. REMOVE AND REPLACE ANY DETERIORATED BLOCKING. PREPARE AREA FOR NEW CONSTRUCTION.
RD3	EXISTING ROOF TOP UNITS TO REMAIN, U.N.O. PROTECT IN PLACE. GC TO WALK WITH OWNER REPS TO VERIFY UNITS' FUNCTIONALITY. REF: MEP
RD4	REMOVE AND PROPERLY DISPOSE OF ABANDONED EQUIPMENT AND ASSOCIATED ITEMS ON EXISTING ROOF. COORDINATE WITH OWNER FOR SALVAGE.
RD5	REMOVE AND PROPERLY DISPOSE OF ROOF SHINGLES AND WATERPROOFING, SHEATHING AND INSULATION TO REMAIN. REPLACE ANY DAMAGED SHEATHING. CLEAN AND PREPARE FOR NEW CONSTRUCTION.
RD6	EXISTING SKYLIGHT TO REMAIN. PROTECT IN PLACE. CONSTRACTOR TO REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION ACTIVITIES.
RD7	TRIM AND REMOVE ANY TREE BRANCHES OVERHANGING ROOF. PREPARE AREA FOR NEW CONSTRUCTION.

VLK|ARCHITECTS

ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

KEY PLAN

03/06/2025

ISSUED: February 24, 2025

REVISIONS

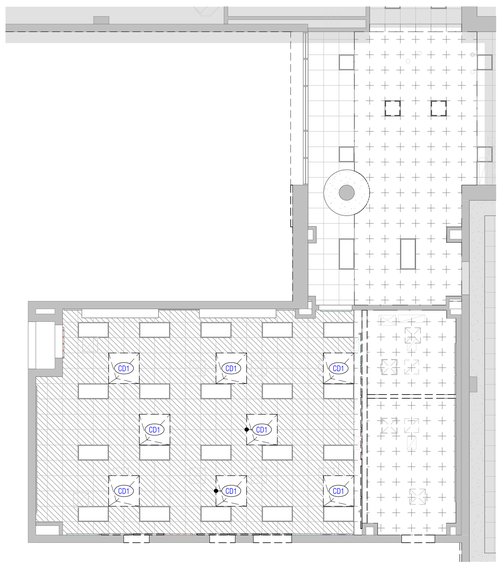
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch.	
TQ	

PROJECT NO.
24-010.00

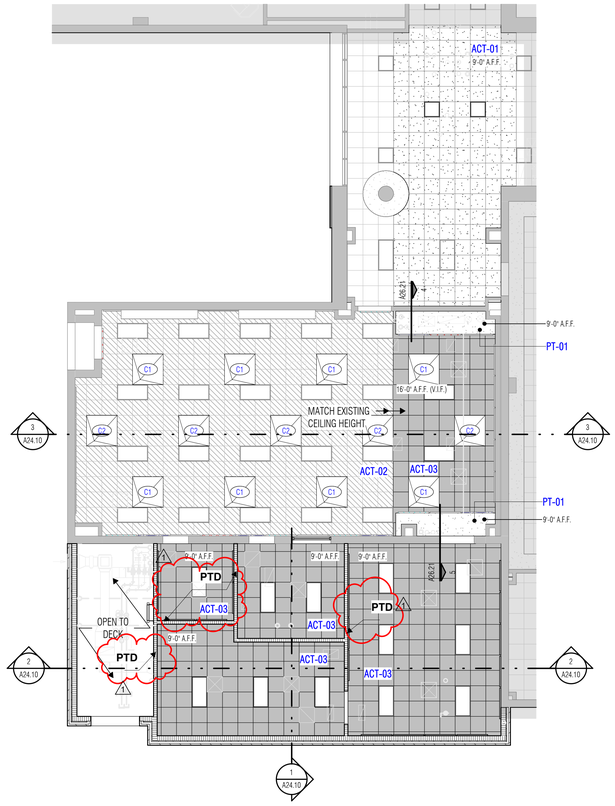
SHEET TITLE
LABAY - ROOF DEMO PLANS

SHEET NO.
A25.01

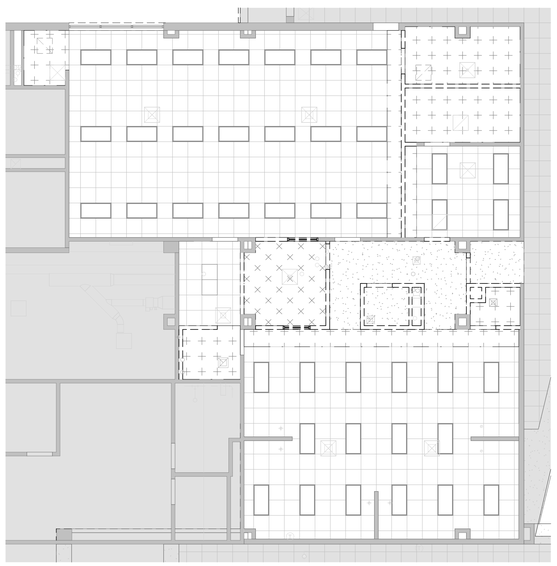


CONTRACTOR MAY RELOCATE ACOUSTIC CEILING TILES RECOVERED FROM ORCHESTRA 530 IN PRACTICE 531, OFFICE/LIBRARY 532, AND/OR INSTRUMENT STORAGE 533A IN LIEU OF NEW TILES, ONLY WHERE AN ENTIRE ROOM WOULD BE COMPOSED OF REUSED ACOUSTIC CEILING TILES.

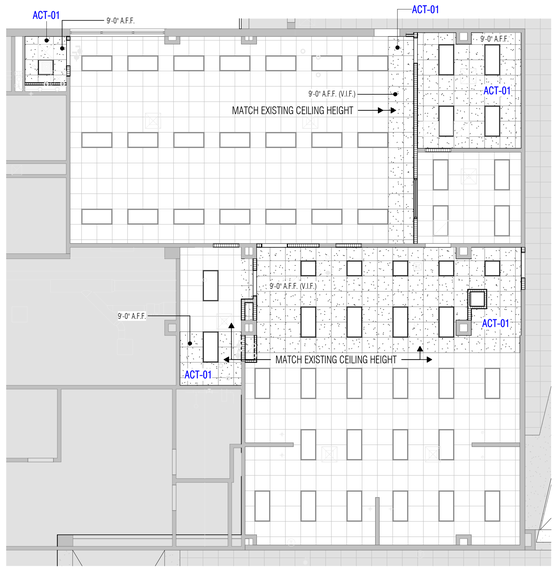
1 LABAY ORCH ENLG DEMO RCP
SCALE: 1/8" = 1'-0"



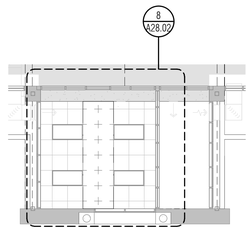
2 LABAY ORCH ENLG RCP
SCALE: 1/8" = 1'-0"



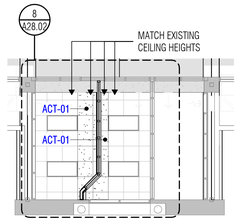
3 LABAY FCS ENLG DEMO RCP
SCALE: 1/8" = 1'-0"



4 LABAY FCS ENLG RCP
SCALE: 1/8" = 1'-0"



5 LABAY REC ENLG DEMO RCP
SCALE: 1/8" = 1'-0"



6 LABAY REC ENLG RCP
SCALE: 1/8" = 1'-0"

DEMOLTION REFLECTED CEILING PLAN LEGEND

ITEMS TO BE DEMOLISHED (RE: DEMOLITION PLANS FOR MORE INFORMATION

AREAS EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL. MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

CEILINGS:

EXISTING ACOUSTIC LAY-IN CEILING TILE TO BE DEMOLISHED

EXISTING ACOUSTIC LAY-IN CEILING TILE TO REMAIN

CARFULLY REMOVE, PROTECT AND STORE EXISTING CEILING TILES FOR RELOCATION TO NEW AREAS. PROTECT EXISTING GRID IN PLACE AND PREPARE TO RECIEVE NEW TILES. REFER TO RCPS FOR MORE INFORMATION

KEYNOTE LEGEND

C1	RELOCATED EXISTING CEILING PYRAMID SOUND DIFFUSER
C2	NEW CEILING PYRAMID SOUND DIFFUSER TO MATCH EXISTING.
CD1	CAREFULLY REMOVE AND PROTECT EXISTING PYRAMID DIFFUSERS. PREPARE FOR RELOCATION (RE: NEW CONSTRUCTION REFLECTED CEILING PLAN).

REFLECTED CEILING PLAN NOTES

1. All new ceiling heights shall be 9'-0" A.F.F. unless noted otherwise.
2. Where new ceilings are connected to existing ceilings, match existing ceiling height unless nothed otherwise.
3. Refer to A' 6.22 for Typical Gypsum Board Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. Provide venting strips or perforated panels at perimeter of all non-insulated metal panel soffits (refer to Detail _/A6.__). Venting at non-insulated soffits shall be provided whether specifically indicated on the drawings or not.
5. Provide partition to deck (PTD) at walls surrounding spaces with exposed structure. Refer to Reflected Ceiling Plan Legend for PTD requirements.
6. Provide hold-down clips for all acoustic lay-in ceiling panels at vestibules, at sloped ceilings, at fire-rated ceilings, and within 6 feet of exterior doors without vestibules.
7. At ceiling furring details, the suspended assemblies, bracing, blocking, etc. shown on the details are for schematic representation only. Provide stable, secure and permanent assemblies at these locations in accordance with recommended light-gage steel framing installation practices.
8. At partitions that do not extend to deck above, extend partition 4" minimum above highest adjacent ceiling and brace per Floor Plan Legend and Floor Plan Notes.
9. Contractor shall locate new ceiling grid according to the architectural reflected ceiling plans. Contractor shall locate equipment locations shown on consultant drawings accordingly.
10. Contractor to locate new equipment centered in ceiling tiles. Notify Architect of any discrepancies.

REFLECTED CEILING PLAN LEGEND

EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL. MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

CEILINGS:

EXISTING ACOUSTIC LAY-IN CEILING TILE TO REMAIN

ACT-01 ACOUSTIC LAY-IN CEILING TILE 24" X 24"

ACT-02 EXISTING GRID TO REMAIN, NEW ACOUSTIC LAY-IN CEILING TILE, HIGH NRC 24" X 24"

ACT-03 ACOUSTIC LAY-IN CEILING TILE, HIGH NRC 24" X 24"

EXISTING GYPSUM BOARD CEILING TO REMAIN

PT-01 5/8" GYPSUM BOARD CEILING PAINTED PT-01, U.N.O.

AP PYRAMID CEILING DIFFUSER PANELS (SIZE)

LIGHT FIXTURES. Refer to Electrical Drawings.

SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.

P-C CEILING MOUNTED PROJECTOR

M-C CEILING MOUNTED MONITOR

PARTITION LEGEND

1HR — 1-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stencilled label on partitions above ceiling at 15'-0" o.c. as follows: *'1-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS'*. Brace partitions per Floor Plan General Notes.

2HR — 2-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stencilled label on partitions above ceiling at 15'-0" o.c. as follows: *'2-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS'*. Brace partitions per Floor Plan General Notes.

SMK — SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.

SND — ACOUSTICAL DRYWALL PARTITION / SOUND-CONDITIONED CMU PARTITION. Extend partition to deck above and seal with acoustical sealant. Seal all joints and penetrations with acoustical sealant. Brace partitions per Floor Plan General Notes.

PTD — NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.

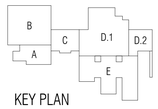
VLK|ARCHITECTS

ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations



KEY PLAN

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch.	
TQ	

PROJECT NO.

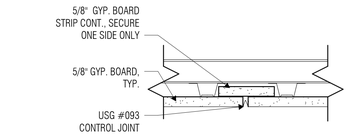
24-010.00

SHEET TITLE

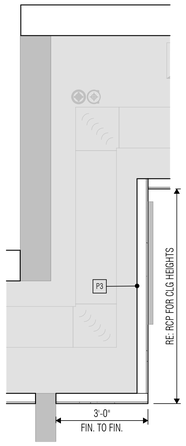
LABAY - ENLARGED REFLECTED CEILING PLANS

SHEET NO.

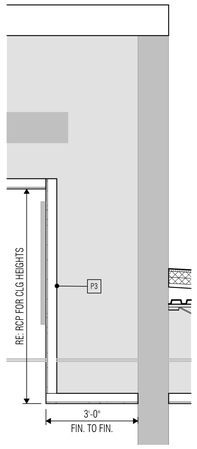
A26.20



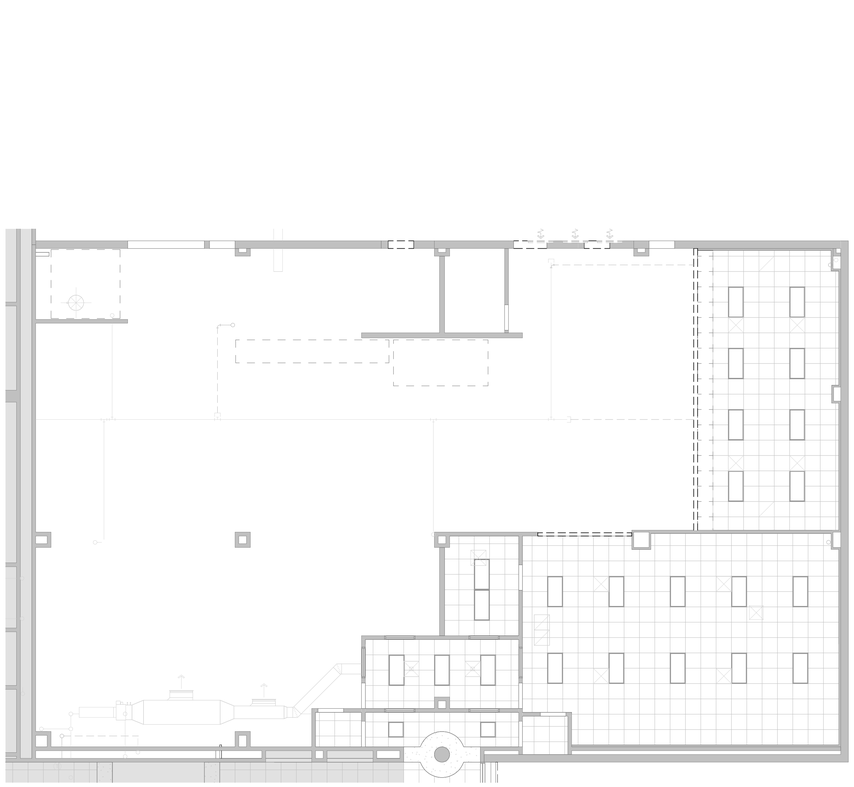
3 TYP. GYP. BD CONTROL JOINT DETAIL
SCALE: 3" = 1'-0"



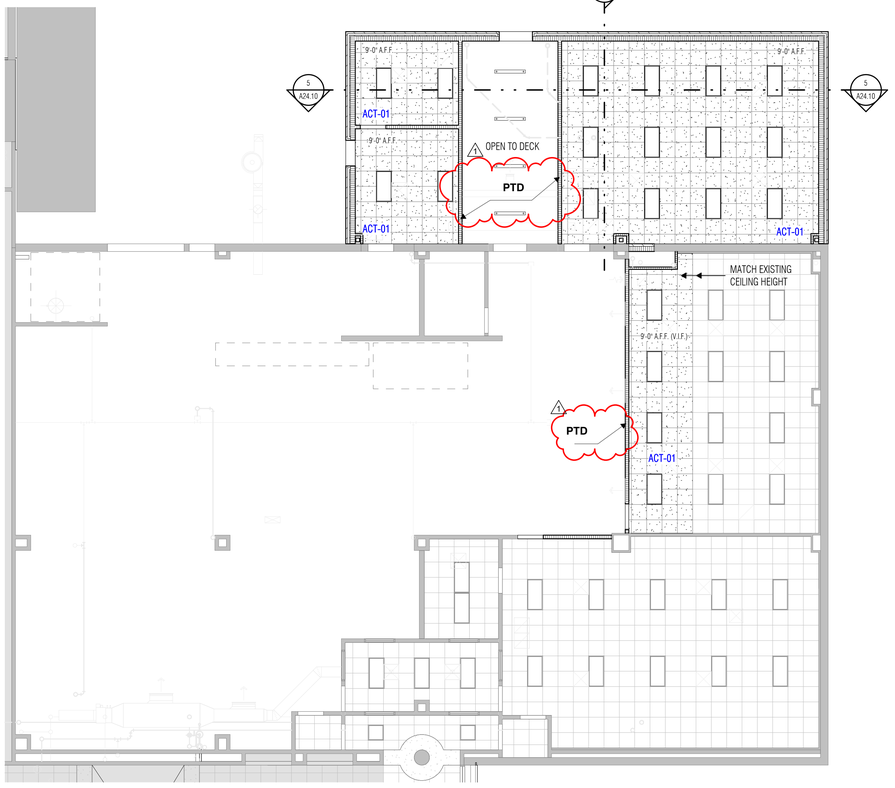
4 FURR OUT SECTION DETAIL
SCALE: 1/2" = 1'-0"



5 FURR OUT SECTION DETAIL
SCALE: 1/2" = 1'-0"



1 LABAY CTE ENLG DEMO RCP
SCALE: 1/8" = 1'-0"



2 LABAY CTE ENLG RCP
SCALE: 1/8" = 1'-0"

DEMOLTION REFLECTED CEILING PLAN LEGEND

ITEMS TO BE DEMOLISHED (RE: DEMOLITION PLANS FOR MORE INFORMATION

AREAS EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL. MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

CEILINGS:

EXISTING ACOUSTIC LAY-IN CEILING TILE TO BE DEMOLISHED

EXISTING ACOUSTIC LAY-IN CEILING TILE TO REMAIN

CARFULLY REMOVE, PROTECT AND STORE EXISTING CEILING TILES FOR RELOCATION TO NEW AREAS. PROTECT EXISTING GRID IN PLACE AND PREPARE TO RECIEVE NEW TILES. REFER TO RCPS FOR MORE INFORMATION

REFLECTED CEILING PLAN NOTES

1. All new ceiling heights shall be 9'-0" A.F.F. unless noted otherwise.
2. Where new ceilings are connected to existing ceilings, match existing ceiling height unless nothed otherwise.
3. Refer to A' 6.22 for Typical Gypsum Board Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. Provide venting strips or perforated panels at perimeter of all non-insulated metal panel soffits (refer to Detail _/A6.__). Venting at non-insulated soffits shall be provided whether specifically indicated on the drawings or not.
5. Provide partition to deck (PTD) at walls surrounding spaces with exposed structure. Refer to Reflected Ceiling Plan Legend for PTD requirements.
6. Provide hold-down clips for all acoustic lay-in ceiling panels at vestibules, at sloped ceilings, at fire-rated ceilings, and within 6 feet of exterior doors without vestibules.
7. At ceiling furring details, the suspended assemblies, bracing, blocking, etc. shown on the details are for schematic representation only. Provide stable, secure and permanent assemblies at these locations in accordance with recommended light-gage steel framing installation practices.
8. At partitions that do not extend to deck above, extend partition 4" minimum above highest adjacent ceiling and brace per Floor Plan Legend and Floor Plan Notes.
9. Contractor shall locate new ceiling grid according to the architectural reflected ceiling plans. Contractor shall locate equipment locations shown on consultant drawings accordingly.
10. Contractor to locate new equipment centered in ceiling tiles. Notify Architect of any discrepancies.

REFLECTED CEILING PLAN LEGEND

EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL. MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

CEILINGS:

EXISTING ACOUSTIC LAY-IN CEILING TILE TO REMAIN

ACT-01 ACOUSTIC LAY-IN CEILING TILE 24" X 24"

ACT-02 EXISTING GRID TO REMAIN, NEW ACOUSTIC LAY-IN CEILING TILE, HIGH NRC 24" X 24"

ACT-03 ACOUSTIC LAY-IN CEILING TILE, HIGH NRC 24" X 24"

EXISTING GYPSUM BOARD CEILING TO REMAIN

PT-01 5/8" GYPSUM BOARD CEILING PAINTED PT-01, U.N.O.

AP PYRAMID CEILING DIFFUSER PANELS (SIZE)

LIGHT FIXTURES. Refer to Electrical Drawings.

SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.

P-C CEILING MOUNTED PROJECTOR

M-C CEILING MOUNTED MONITOR

PARTITION LEGEND

1HR — 1-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: *'1-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS'*. Brace partitions per Floor Plan General Notes.

2HR — 2-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: *'2-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS'*. Brace partitions per Floor Plan General Notes.

SMK — SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.

SND — ACOUSTICAL DRYWALL PARTITION / SOUND-CONDITIONED CMU PARTITION. Extend partition to deck above and seal with acoustical sealant. Seal all joints and penetrations with acoustical sealant. Brace partitions per Floor Plan General Notes.

PTD — NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.

VLK|ARCHITECTS

ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

KEY PLAN

REGISTERED ARCHITECT THOMAS QUINN 24207 STATE OF TEXAS

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch. TQ	

PROJECT NO.
24-010.00

SHEET TITLE
LABAY - ENLARGED REFLECTED CEILING PLANS & DETAILS

SHEET NO.
A26.21

2024 Cook, Labay & Truitt MS Renovations

DOOR NUMBER	DOOR TYPE	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	FIRE RATING	HDWR SET	REMARKS
1	X-SFD		6'-1 1/2"	7'-0"		3.0	
2	X-SF		3'-0"	7'-0"		1.0	
3	X-SFD		6'-1 1/2"	7'-0"		4.0	
4	X-NL2		4'-0"	8'-10"		8.0	
5	X-SFD		5'-8"	7'-0"		6.0	
6	X-F2		3'-0"	8'-10"		7.0	
7	X-F2		3'-0"	8'-10"		7.0	
8	X-F2		3'-0"	8'-10"		7.0	
9	X-F2		3'-0"	8'-10"		7.0	
10	X-F2		3'-0"	8'-10"		7.0	
11	X-SFD		6'-0"	7'-0"		6.0	
12	X-FD2		6'-0"	8'-10"		12.0	
13	X-FD2		6'-0"	8'-10"		12.0	
14	X-SF		3'-0"	8'-7"		2.0	
15	X-SF		3'-0"	8'-7"		- 1	
16	X-FD2		6'-0"	8'-10"		9.0	
18	X-F2		3'-0"	8'-10"		14.0	
19	X-NL2		4'-0"	8'-10"		10.0	
20	X-F2		3'-0"	8'-10"		10.1 1	1
21	NL2		3'-0"	8'-10"		5.0	PROVIDE (2) PEEP HOLES
22	F2		4'-0"	8'-10"		7.0 1	PROVIDE (2) PEEP HOLES
23	X-SFD		5'-8 1/2"	7'-0"		15.0	
24	X-SF		3'-0"	8'-7"		15.0	
25	X-SF		3'-0"	8'-7"		15.0	
26	X-SF		3'-0"	8'-7"		15.0	

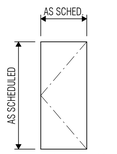
DOOR NUMBER	DOOR TYPE	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	FIRE RATING	HDWR SET	REMARKS
27	X-SF		3'-0"	8'-7"		15.0	
107	X-NL2		3'-0"	8'-10"		22.0	
114	X-SF		3'-0"	8'-7"		17.0	
114.1	X-SFD		6'-0"	8'-10"		18.0	
114.2	X-SFD		6'-0"	8'-10"		18.0	
124	X-NL2		3'-0"	8'-10"		23.0	
128	X-NL2		3'-0"	8'-10"		22.0	
212	X-NL2		3'-0"	8'-10"		22.0	
224	X-NL2		3'-0"	8'-10"		22.0	
232	X-NL2		3'-0"	8'-10"		22.0	
236	X-NL2		3'-0"	8'-10"		22.0	
301.1	NL2		3'-0"	8'-10"		25.0	SIGN TYPE B 1
301.2	NL2		3'-0"	8'-10"		25.0	SIGN TYPE B
302	NL2		3'-0"	8'-10"		26.0	SIGN TYPE B
303A	NL2		3'-0"	8'-10"		24.0	SIGN TYPE B
303B	NL2		3'-0"	8'-10"		24.0	SIGN TYPE B
312.1	NL2		3'-0"	8'-10"		25.0	SIGN TYPE B
314	NL2		3'-0"	8'-10"		24.1 2	SIGN TYPE B
316	NL2		3'-0"	8'-10"		25.0	SIGN TYPE B
317	NL2		3'-0"	8'-10"		24.1 1	SIGN TYPE B
317A	NL2		3'-0"	8'-10"		24.0	SIGN TYPE B
351	X-NL2		3'-0"	8'-10"		-	
400.1	X-SF		3'-0"	7'-0"		- 1	
400.2	X-SF		3'-0"	6'-11"		-	
400.3	X-SF		3'-0"	7'-0"		16.0	
400.4	X-NL2		3'-0"	8'-10"		22.0	
401	X-NL2		3'-0"	8'-10"		24.0	
403	X-NL2		3'-0"	8'-10"		24.0	
404	X-NL2		3'-0"	8'-10"		24.0	
405	X-NL2		3'-0"	8'-10"		24.0	
406	X-NL2		3'-0"	8'-10"		24.0	
406A	X-NL2		3'-0"	8'-10"		22.1	
407.1	X-NL2		3'-0"	8'-10"		24.0	
407.2	X-NL2		3'-0"	8'-10"		24.0 1	
407.3	X-NL2		3'-0"	8'-10"		24.0	
408.1	X-NL2		3'-0"	8'-10"		24.0	
408.2	X-NL2		3'-0"	8'-10"		24.0	
409	X-NL2		3'-0"	8'-10"		24.0	
410	X-NL2		3'-0"	8'-10"		24.0	
411.1	X-NL2		3'-0"	8'-10"		24.0	
412	X-NL2		3'-0"	8'-10"		24.0	
413	X-NL2		3'-0"	8'-10"		24.0	
414	X-NL2		3'-0"	8'-10"		24.0	
415	X-NL2		3'-0"	8'-10"		24.0	
416	X-NL2		3'-0"	8'-10"		24.0	
417	X-NL2		3'-0"	8'-10"		24.0	
418	X-NL2		3'-0"	8'-10"		24.0	
420	X-NL2		3'-0"	8'-10"		22.0	
424	X-NL2		3'-0"	8'-10"		22.0	
500	X-NL2		4'-0"	8'-10"		19.0	
520	X-NL2		4'-0"	8'-10"		19.0	
520.1	X-NL2		4'-0"	8'-10"		19.0	
530	X-NL2		4'-0"	8'-10"		19.0	
531	X-NL2		4'-0"	8'-10"		24.0	SIGN TYPE B 1
531A	F2		4'-0"	8'-10"		24.0	SIGN TYPE B
532	NL2		3'-0"	8'-10"		24.2	SIGN TYPE B
533	NL2		3'-0"	8'-10"	1	24.1	SIGN TYPE B
600.1	X-FD2		6'-0"	8'-10"		20.0	
600.2	X-FD2		6'-0"	8'-10"		20.0	
601	X-FD2		6'-0"	8'-10"		20.0	
601A	X-FD2		6'-0"	8'-10"		20.0	
608	X-NL2		3'-0"	8'-10"		21.0	
609	X-NL2		3'-0"	8'-10"		21.0	

DOOR SCHEDULE NOTES

1. At Doors marked 'SMK', provide smoke seals at frame and door bottom to resist the passage of smoke. Provide threshold if required by code or if necessary for proper function of door bottom seal.
2. At Doors marked 'SND', provide sound seals at frame and door bottom.
3. At Doors without a Frame Type designation, the door frame is part of a Glazing System.
4. At Doors with a Frame Type designation "AL", the door frame is an interior aluminum frame that is not part of a glazing system
5. At Doors with a Frame Type designation "N/A", there is no door frame required (e.g. all-glass doors, gates, etc.).
6. At Doors with a Frame Type designation "REF DET", refer to the referenced Head and Jamb detail for frame information.
7. At Doors with a Door Type or Frame Type designation "EX", the door or door frame is existing to remain.
8. Refer to Hardware Schedule for additional information regarding hardware.
9. Vision panels at non-rated interior doors shall be 1/4" clear tempered glass (CT4) U.N.O. Vision panels at interior fire-rated glass (CC4) U.N.O. Vision panels at exterior doors shall be 1" tinted tempered insulating glass (TT1) U.N.O.
10. Refer to Glazing System Elevation Sheets for Glass Types.

DOOR SCHEDULE KEYED NOTES

1. CASED OPENING
2. DOUBLE EGRESS DOORS
3. FIRE-RATED WIRED GLASS
4. FIRE-RATED CERAMIC GLASS
5. KEYED REMOVABLE MULLION
6. ELECTROMAGNETIC HOLD-OPEN
7. MANUAL HOLD-OPEN, FLOOR MOUNTED
8. MANUAL HOLD-OPEN, OVERHEAD
9. ACCESS CONTROL / CARD READER
10. DOOR POSITION SWITCH
11. APPLIED SOUND SEALS & THRESHOLD

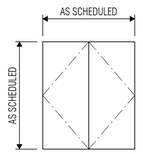


1-3/4" THICK FLUSH DOOR SINGLE

F1
PLASTIC LAMINATE

F2
PAINTED HOLLOW METAL

F3
PAINTED METAL SOUND CONTROL DOOR & FRAME

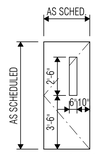


1-3/4" THICK FLUSH DOOR DOUBLE

FD1
PLASTIC LAMINATE

FD2
PAINTED HOLLOW METAL

FD3
PAINTED METAL SOUND CONTROL DOOR & FRAME



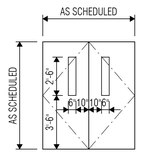
1-3/4" THICK DOOR W/ VISION PANEL SINGLE

NL1
PLASTIC LAMINATE

NL2
PAINTED HOLLOW METAL

NL3
PAINTED METAL SOUND CONTROL DOOR & FRAME

*(4" x 24" VISION PANEL AT 60/90 MIN. RATED)



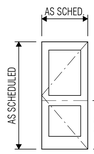
1-3/4" THICK DOOR W/ VISION PANEL DOUBLE

NLD1
PLASTIC LAMINATE

NLD2
PAINTED HOLLOW METAL

NLD3
PAINTED METAL SOUND CONTROL DOOR & FRAME

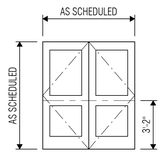
*(4" x 24" VISION PANEL AT 60/90 MIN. RATED)



GLAZED ENTRANCE DOOR SINGLE

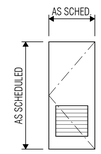
SF1
ALUMINUM & GLASS WIDE STILE

SF2
ALUMINUM & GLASS NARROW STILE



GLAZED ENTRANCE DOOR DOUBLE

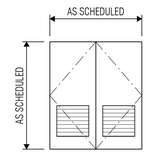
SFD1
ALUMINUM & GLASS WIDE STILE



1-3/4" THICK DOOR WITH LOUVER SINGLE

L1
PLASTIC LAMINATE

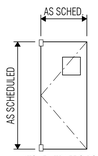
L2
PAINTED HOLLOW METAL



1-3/4" THICK DOOR WITH LOUVER DOUBLE

LD1
PLASTIC LAMINATE

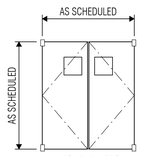
LD2
PAINTED HOLLOW METAL



KITCHEN TRAFFIC DOOR SINGLE

K1
STAINLESS STEEL

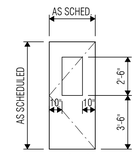
K2
ALUMINUM



KITCHEN TRAFFIC DOOR DOUBLE

KD1
STAINLESS STEEL

KD2
ALUMINUM

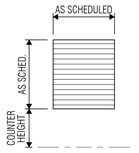


1-3/4" THICK DOOR W/ HALF LITE SINGLE

HG1
PLASTIC LAMINATE

HG2
PAINTED HOLLOW METAL

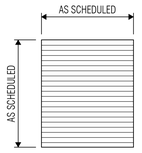
HG3
PAINTED METAL SOUND CONTROL DOOR & FRAME



COILING COUNTER DOOR

QC1
NON-INSULATED, STAINLESS STEEL, MANUAL

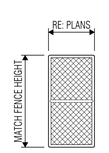
QC2
NON-INSULATED, STAINLESS STEEL, MOTORIZED



OVERHEAD COILING DOOR

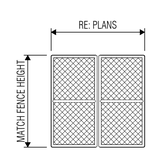
OH1
NON-INSULATED, STAINLESS STEEL, MANUAL

OH2
NON-INSULATED, STAINLESS STEEL, MOTORIZED



FENCE GATE SINGLE

G
GALVANIZED CHAINLINK PROVIDE CHAIN AND LOCK WELDED TO GATE.



FENCE GATE DOUBLE

GD
GALVANIZED CHAINLINK PROVIDE CHAIN AND LOCK WELDED TO ONE GATE LEAF.

NOTE: " X- " PREFIX INDICATES AN EXISTING DOOR OR FRAME TO REMAIN.

VLK|ARCHITECTS

ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT
RUDOLPH STANLEY JOHNSON III
STATE OF TEXAS

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
	QC
Proj. Arch.	
TQ	

PROJECT NO.

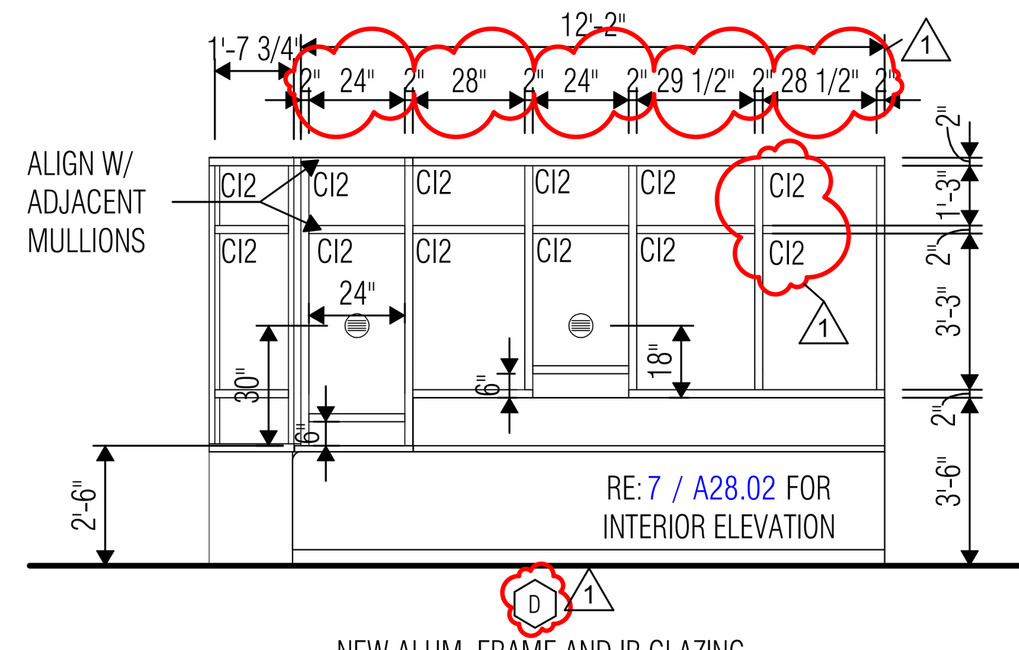
24-010.00

SHEET TITLE

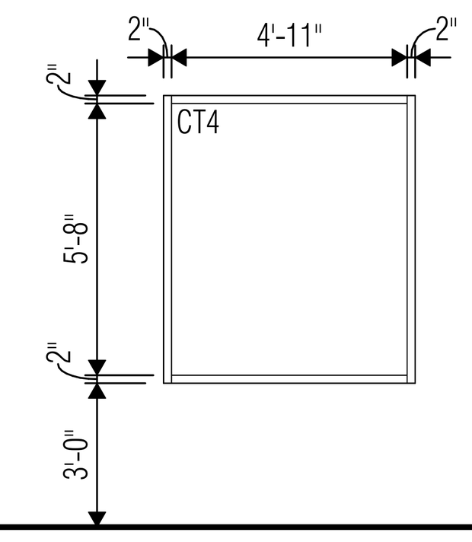
LABAY - DOOR TYPES, SCHEDULES, ELEVATIONS & DETAILS

SHEET NO.

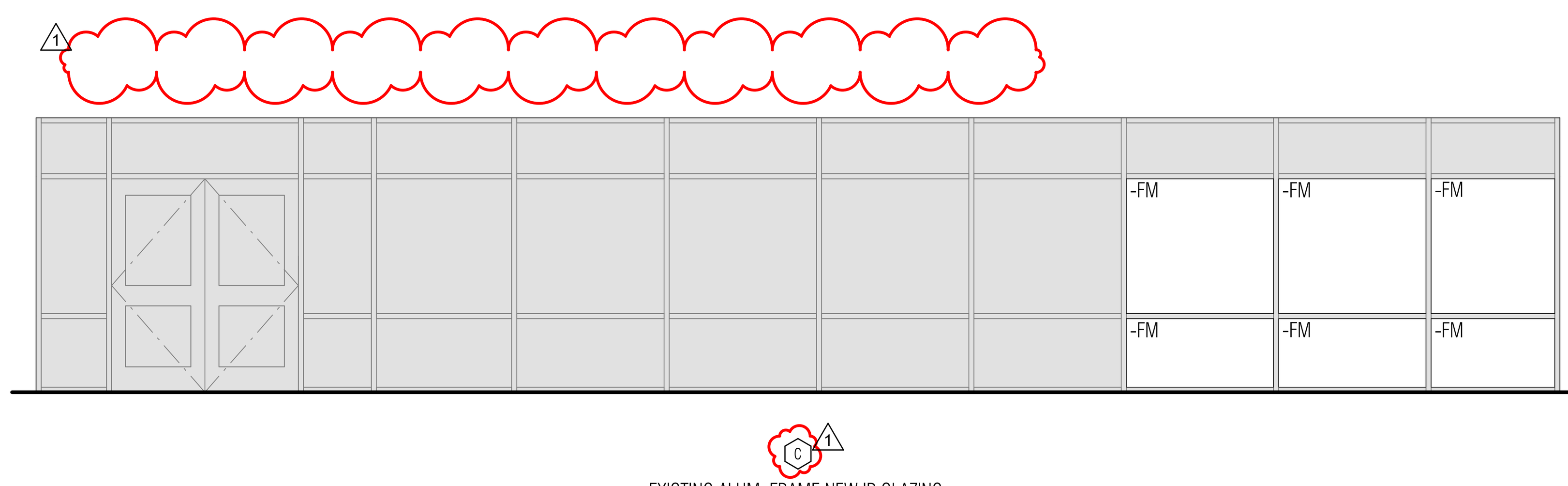
A27.01



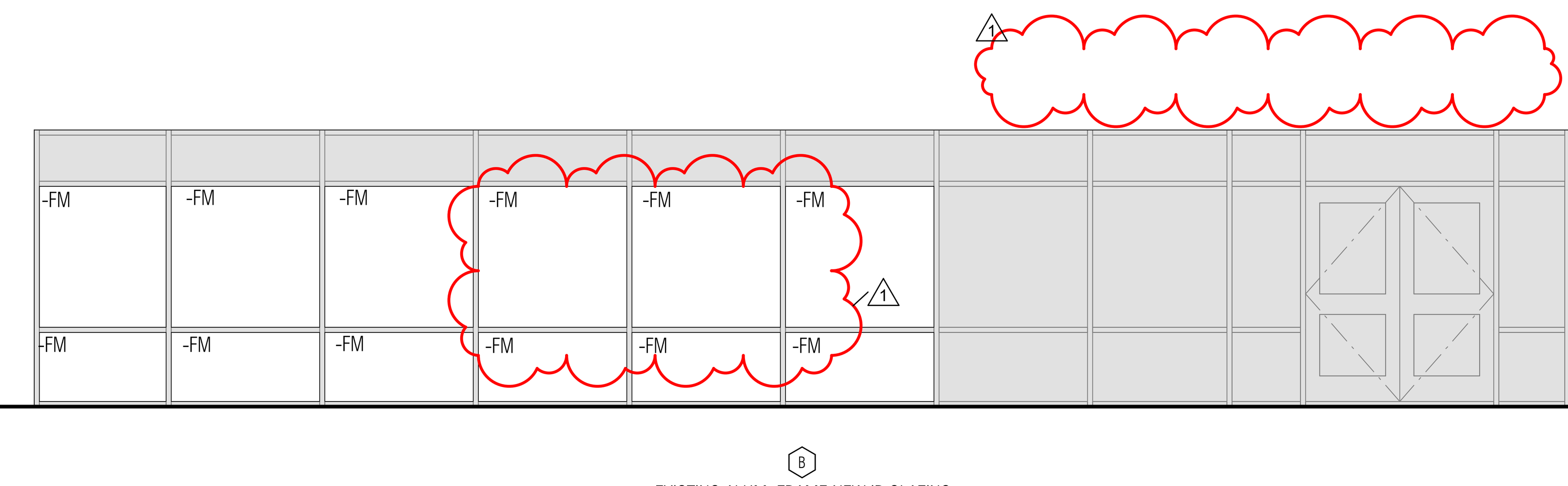
NEW ALUM. FRAME AND IR GLAZING



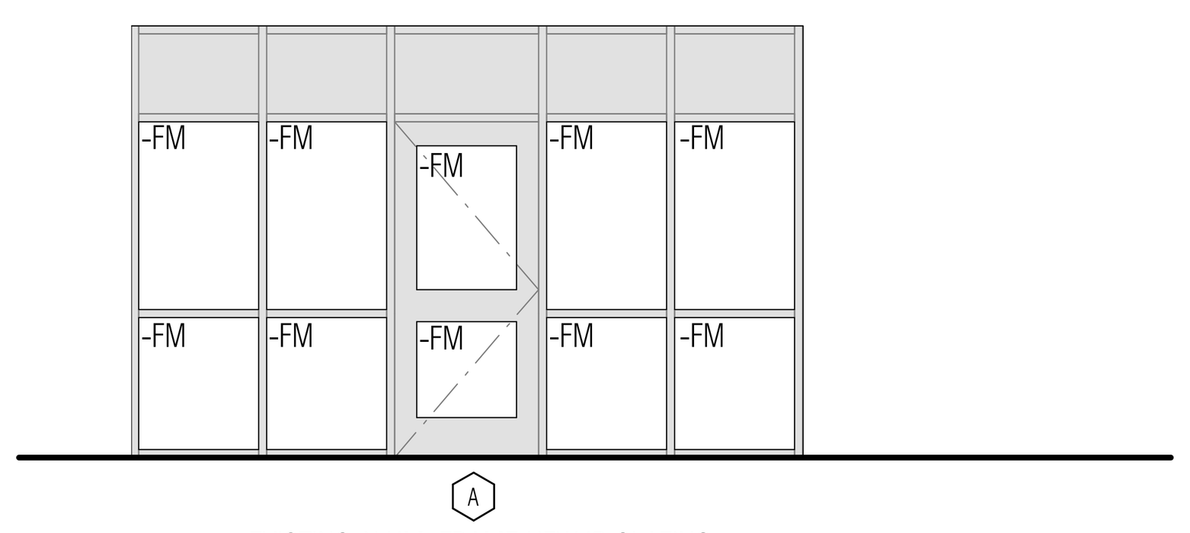
NEW ALUM. FRAME AND GLAZING



EXISTING ALUM. FRAME NEW IR GLAZING



EXISTING ALUM. FRAME NEW IR GLAZING



EXISTING ALUM. FRAME NEW IR GLAZING

GLAZING SYSTEM NOTES

1. Overall dimensions of glazing system elevations reflect rough opening dimensions, inclusive of perimeter joints.
2. Provide 3/16" thick heavy wall framing members at all door frames in exterior and interior aluminum Storefront systems.
3. Provide 3/16" thick heavy wall door adapters at all door frame members in exterior and interior aluminum Curtain Wall systems.
4. Door opening dimensions in Curtain Wall systems reflect 1" door adapters at jamb conditions, and 1-3/4" door adapters at head conditions. Adjust dimensions between mullions at door openings in curtain wall systems as required for actual size of door adapters provided. Door sizes as identified in Door Schedule shall be maintained.
5. Refer to A' '7.01 for Typical Push/Pull Mounting Heights Detail for aluminum/glass doors

GLASS TYPE LEGEND

CT4 CLEAR, TEMPERED, 1/4" THICK GLASS
CI2 CLEAR, IMPACT-RESISTANT, 9/16" THICK LAMINATED GLASS

-FM 23 MIL IMPACT RESISTANT FILM OVERLAY, FIELD-APPLIED TO GLAZING UP TO 7'-0" A.F.F.
- IF A PORTION OF THE GLAZING UNIT IS ABOVE 7'-0", APPLY FILM TO THE ENTIRE GLAZING UP TO MULLION.
- DO NOT SPLICE FILM ON INTERIOR OR EXTERIOR GLAZING UNITS.

GLAZING SHOWN WITH GREY HATCH IS EXISTING TO REMAIN

GLAZING SYSTEM LEGEND

STOREFRONT FRAMING WITH 3/16" THICK 'HEAVY WALL' MATERIAL. TYPICAL AT ALL DOOR FRAME MEMBERS IN STOREFRONT GLAZING SYSTEMS.

CURTAIN WALL FRAMING WITH STEEL REINFORCING PROVIDED BY MANUFACTURER.

VLK|ARCHITECTS

ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
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www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

03/06/2025

ISSUED: February 24, 2025

REVISIONS

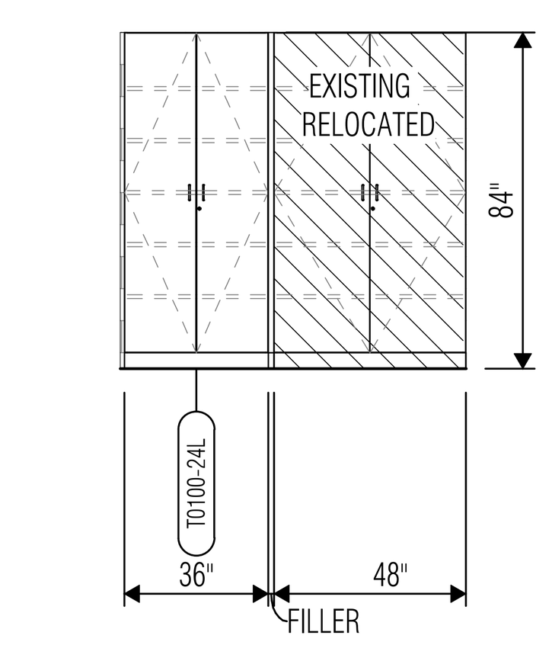
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

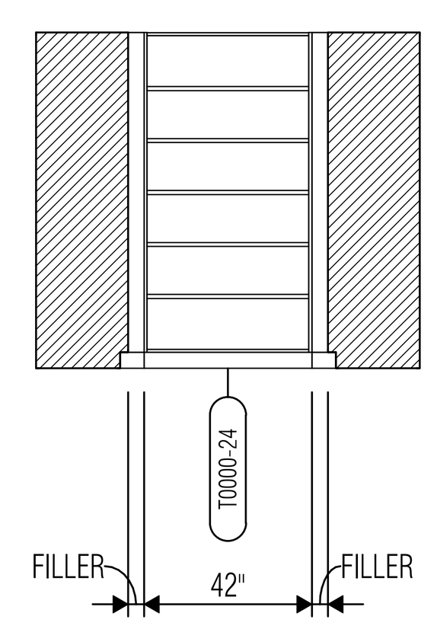
PROJECT NO.
24-010.00

SHEET TITLE
LABAY - GLAZING ASSEMBLY TYPES, SCHEDULES, ELEVATIONS & DETAILS

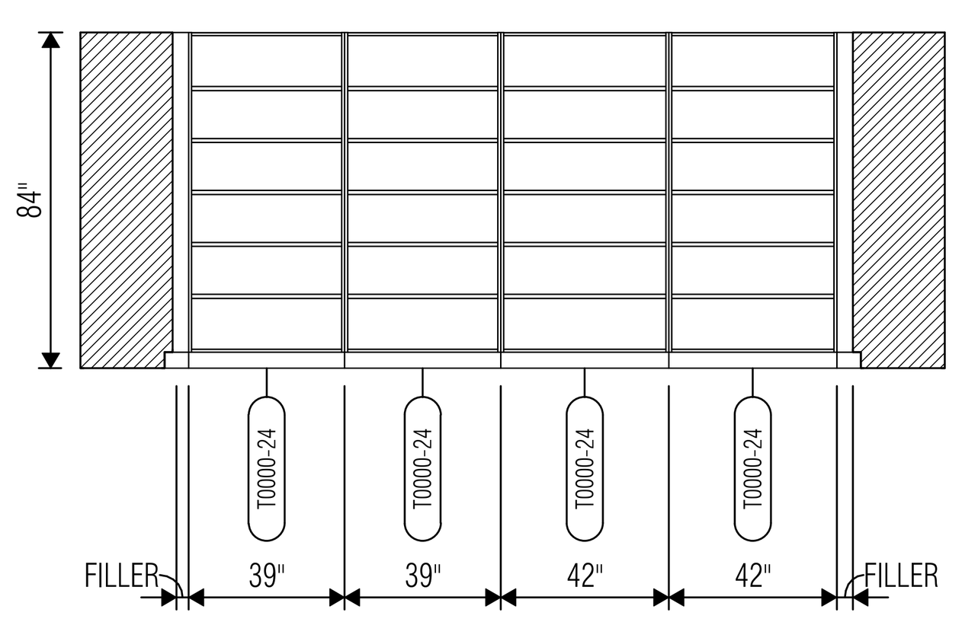
SHEET NO.
A27.11



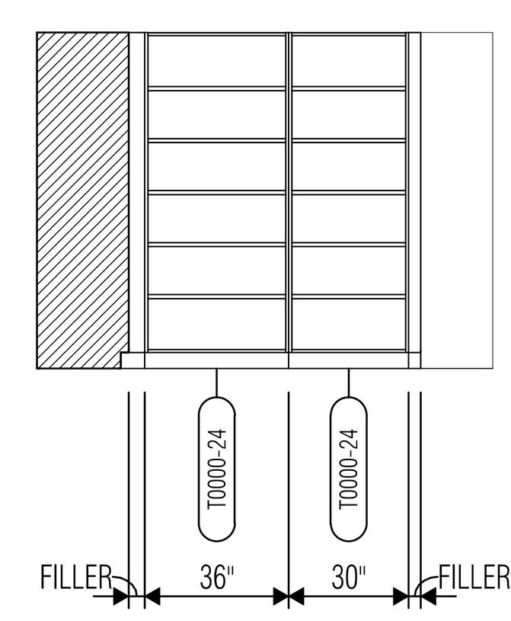
1 OFFICE/LIBRARY
SCALE: 1/4" = 1'-0"



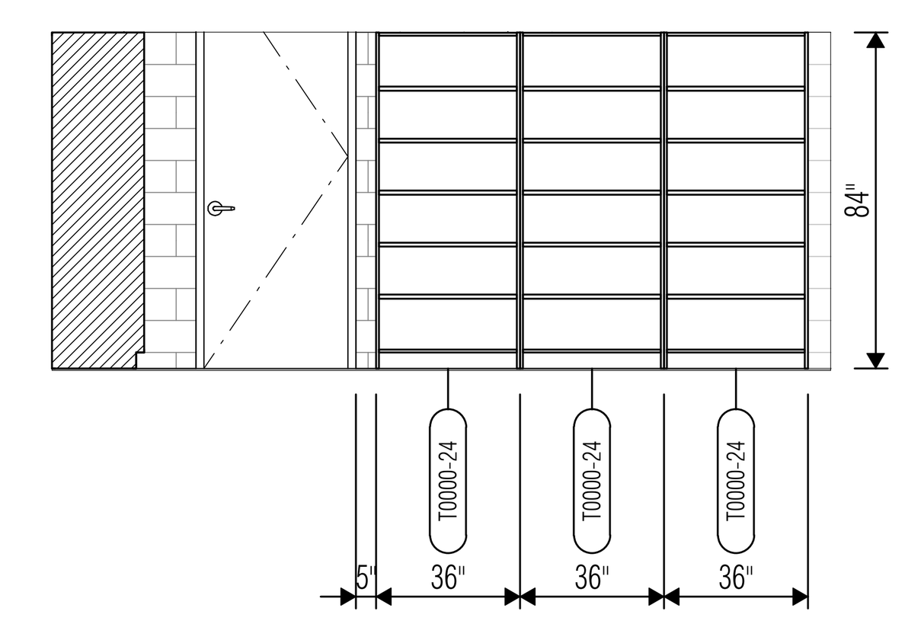
2 PANTRY
SCALE: 1/4" = 1'-0"



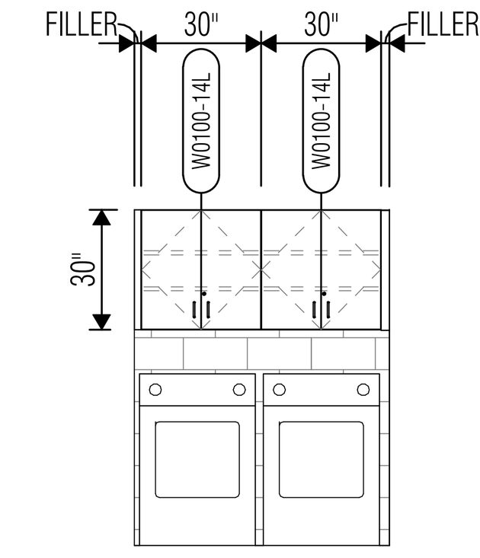
3 PANTRY
SCALE: 1/4" = 1'-0"



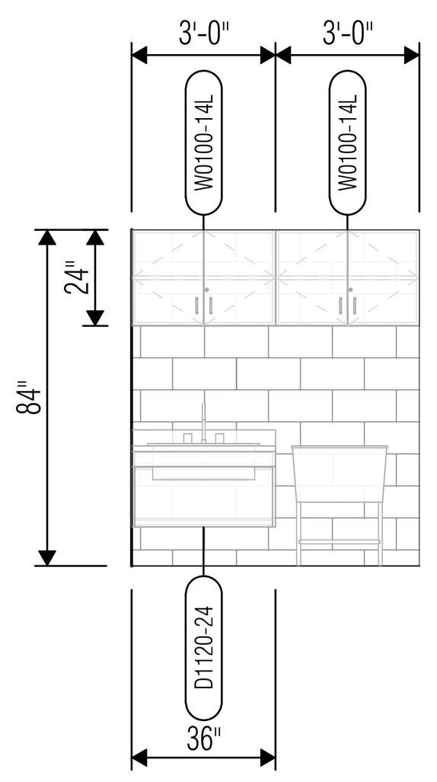
4 PANTRY
SCALE: 1/4" = 1'-0"



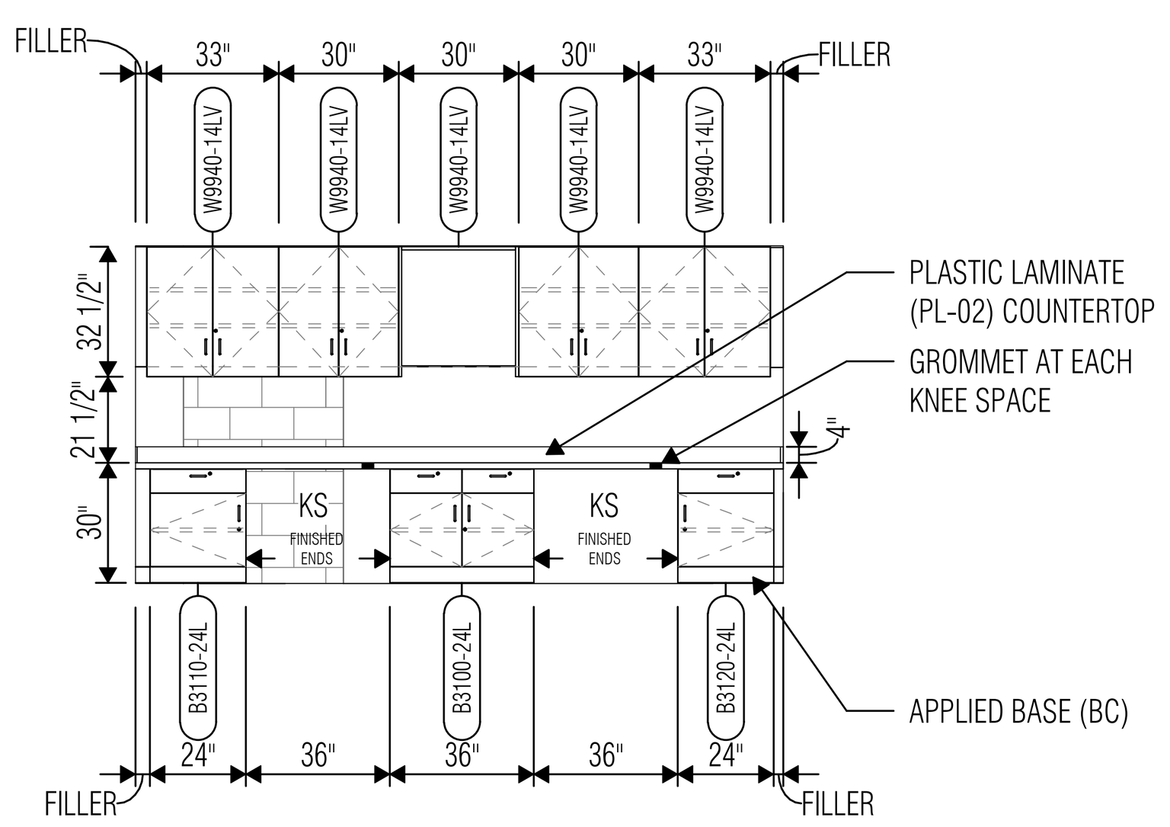
5 PANTRY
SCALE: 1/4" = 1'-0"



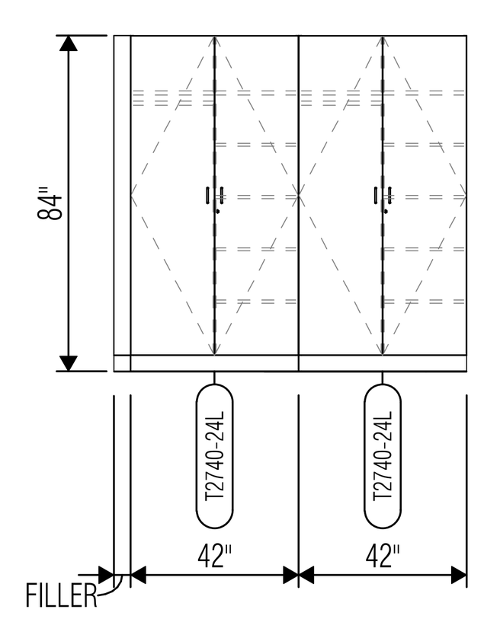
6 LAUNDRY
SCALE: 1/4" = 1'-0"



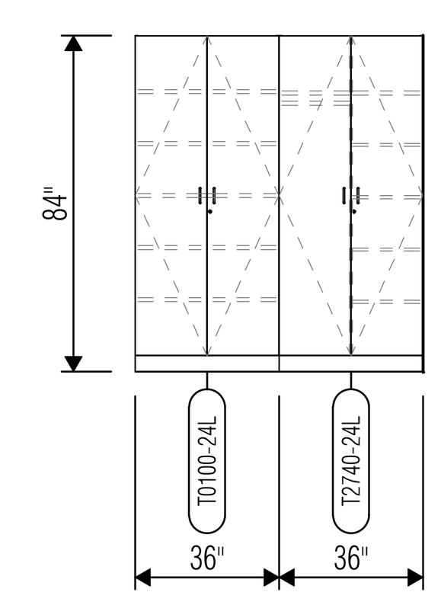
7 MANUFACTURING
SCALE: 1/4" = 1'-0"



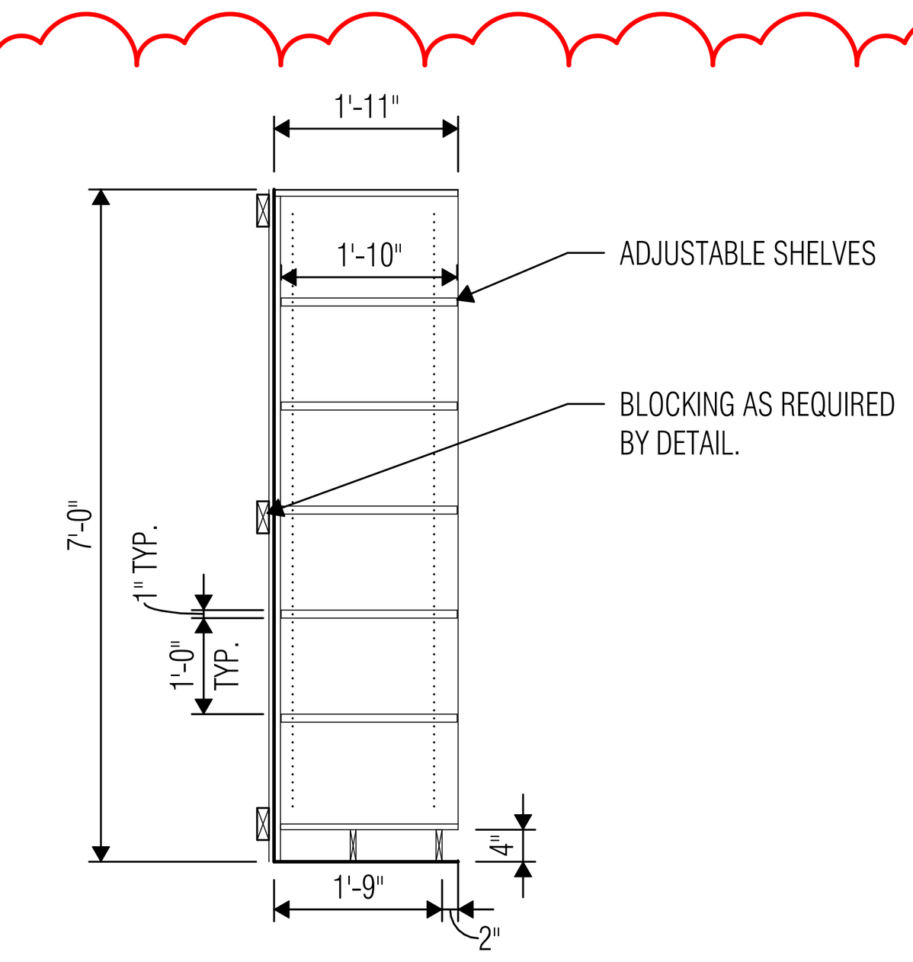
8 ELEVATION
SCALE: 1/4" = 1'-0"



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



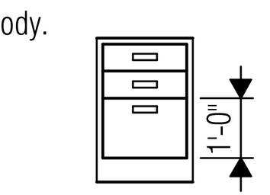
10 ELEVATION
SCALE: 1/4" = 1'-0"

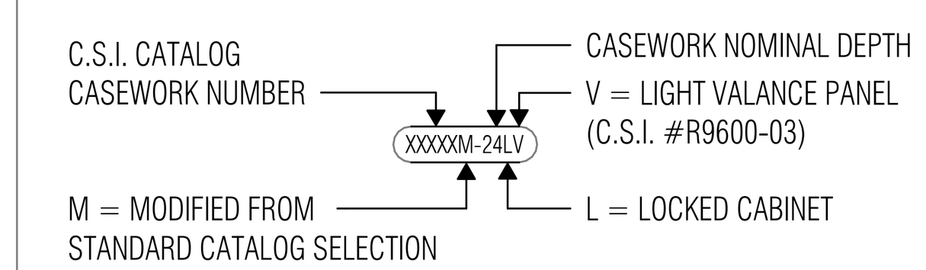


11 PANTRY SECTION
SCALE: 1/2" = 1'-0"

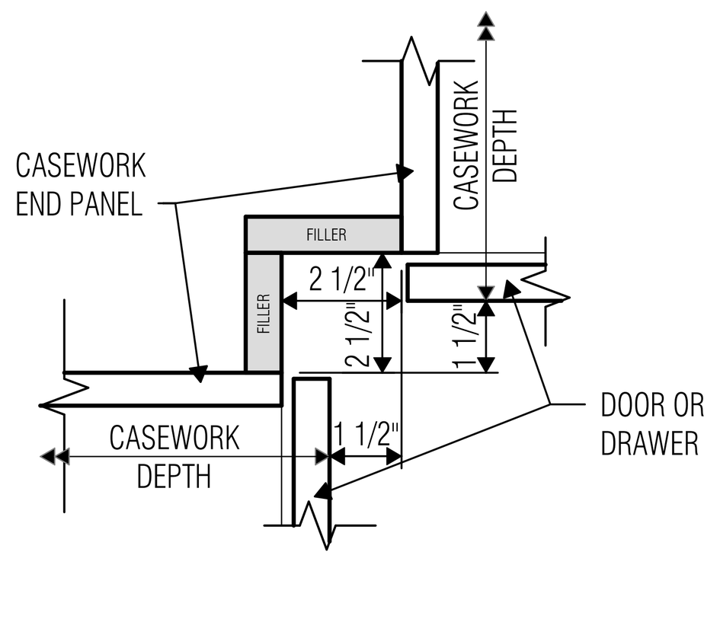
CASEWORK NOTES

1. Casework shall meet criteria set forth in Americans with Disabilities Act and Texas Accessibility Standards.
2. All casework model numbers are based on Case Systems, Inc. Refer to casework elevations for height and width of each unit.
3. Coordinate locations of electrical and/or plumbing within casework and millwork. Notify Architect of any conflicts prior to installation.
4. Coordinate all column locations prior to installation of casework.
5. Refer to Floor Plan Notes for blocking requirements at stud partitions.
6. All adjustable shelves longer than 2'-3", and shelves of any length at open shelving units, shall be 1" thick..
7. Provide finished surface on all exposed surfaces.
8. Plastic Laminate on all casework shall be PL-_ U.N.O.
9. Provide fillers and finished end panels (F.E.) as required. Refer to Typical Casework Details for filler requirements.
10. Provide locks on all doors and drawers as indicated.
11. All counters shall have 4" high splashes, U.N.O.
12. At countertop locations, no joints in plastic laminate should occur over knee spaces, or within 24 inches of sinks and lavatories.
13. Casework cabinet doors and drawers shall be flush overlay.
14. Base cabinets should not extend to floor. Sub-base shall be separate and recessed 1/2" at sides of cabinet to receive rubber base.
15. Provide 1-1/2" thick divider panel between knee spaces and adjacent spaces (e.g. dishwasher openings, other knee spaces, etc.).
16. At front of casework, countertops shall extend 1/2" over base cabinet door/drawer (approximately 1-1/2" over base cabinet body). At ends of casework, countertops shall extend 1/2" over base cabinet body. Refer to Typical Casework Details.
17. Provide custom height at all file-size drawers to be a minimum of 1'-0" deep. Provide locks at all file-size drawers.

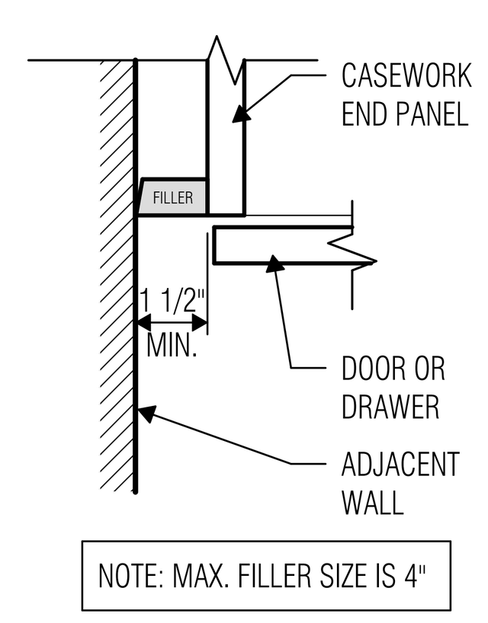




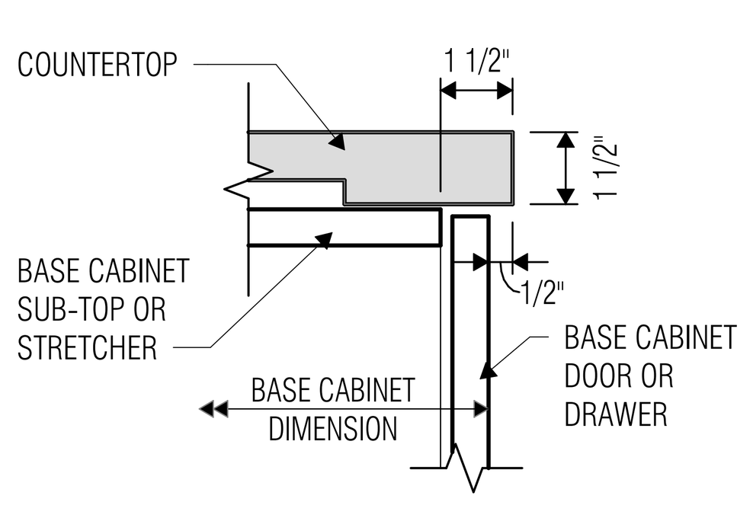
NOTE:
1. The height indicated at base cabinets includes the countertop.



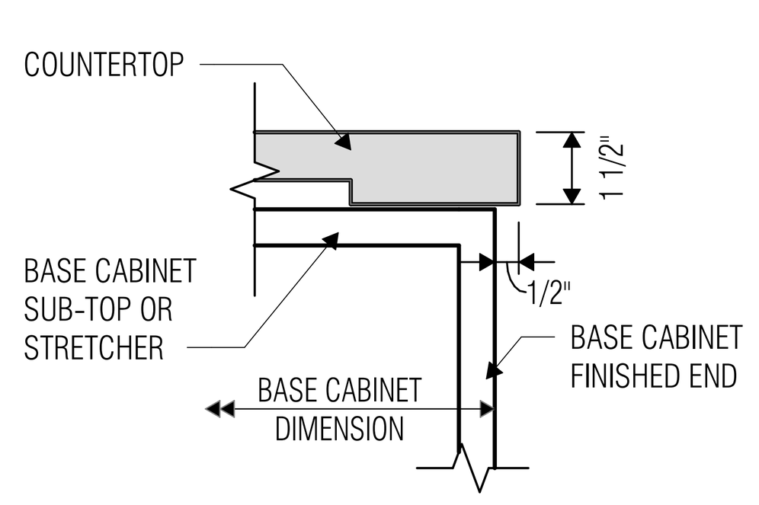
INSIDE CORNER FILLER AT ADJACENT CABINETS



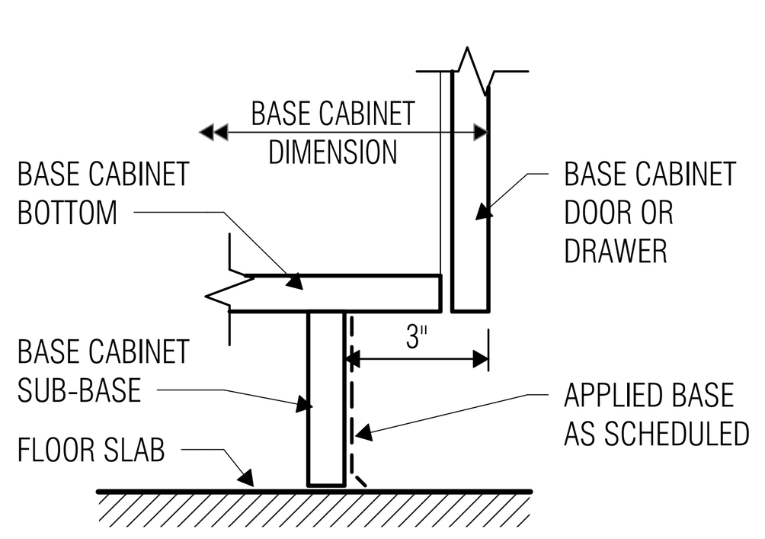
FILLER AT ADJACENT WALL



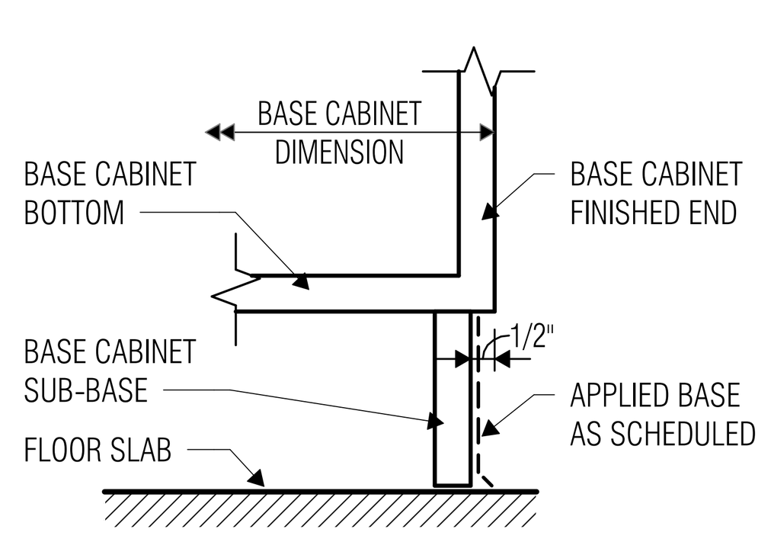
COUNTERTOP FRONT OVERHANG



COUNTERTOP END OVERHANG

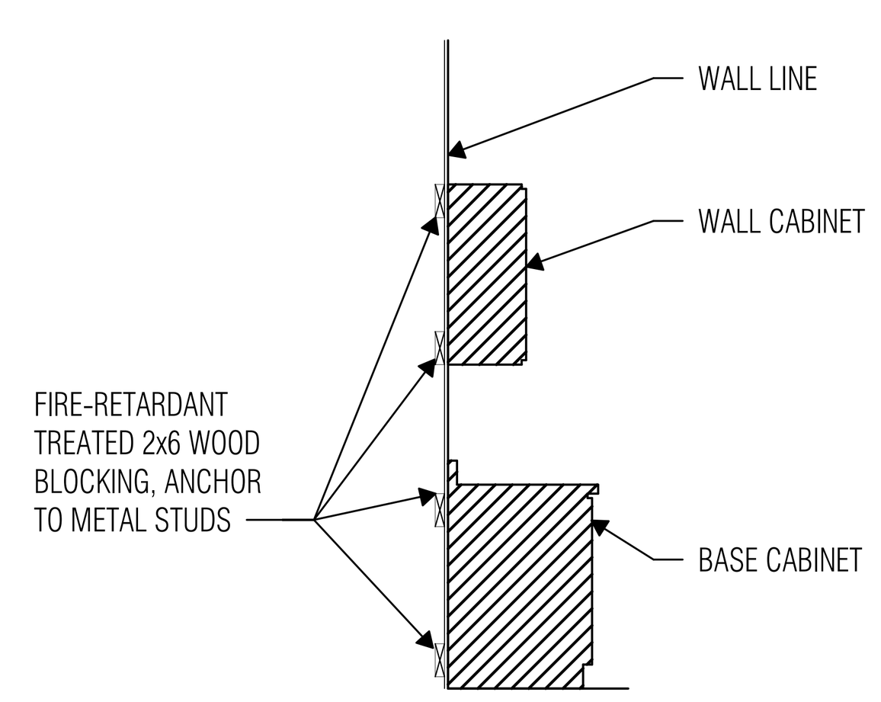


BASE CABINET TOE KICK AT FRONT

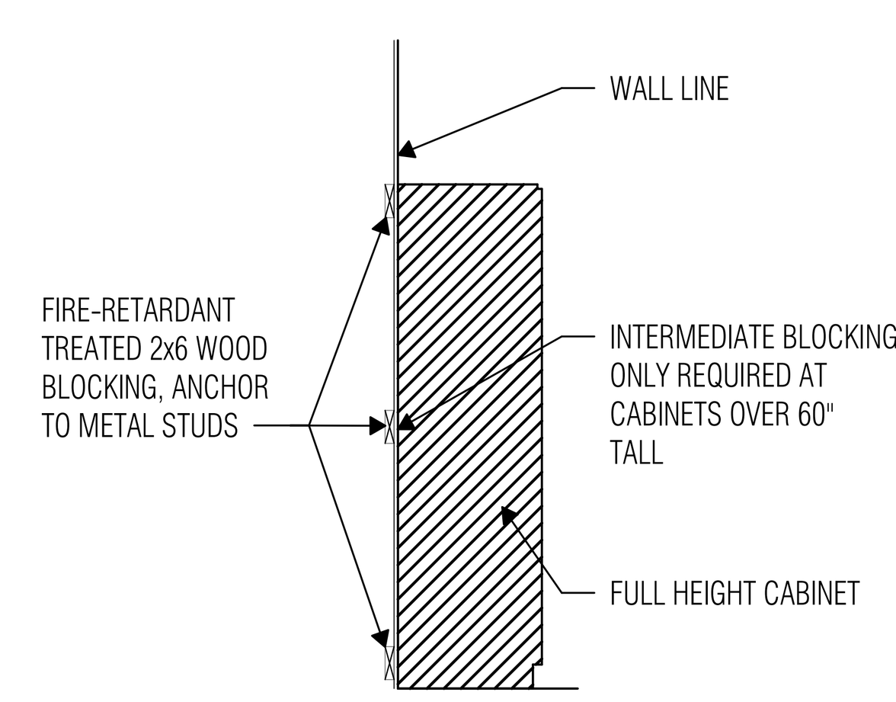


BASE CABINET SUB-BASE AT FINISHED END

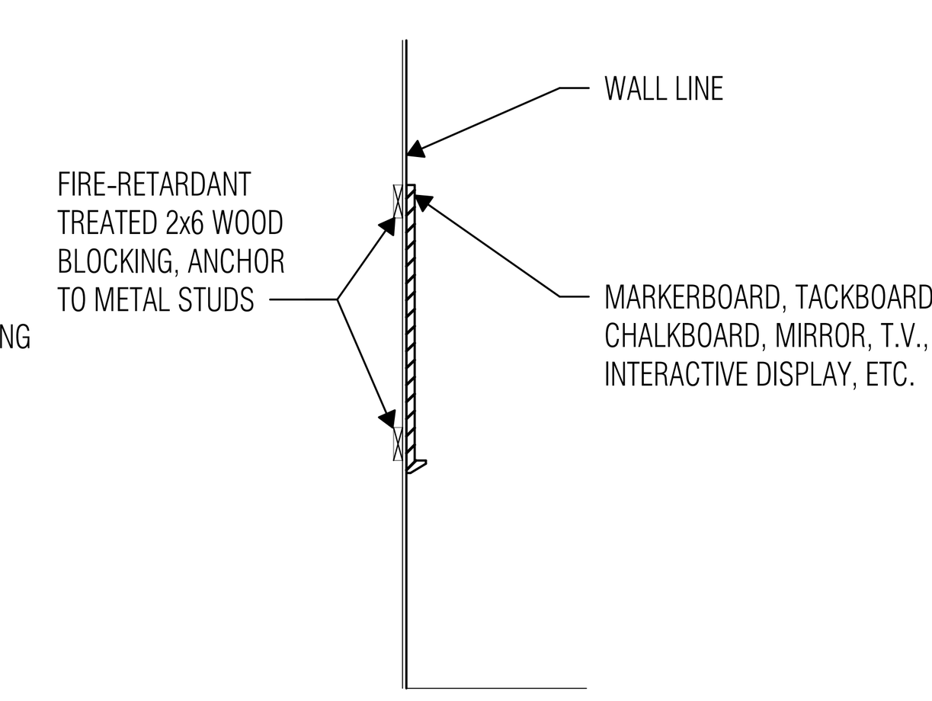
TYPICAL CASEWORK DETAILS
SCALE: 3" = 1'-0"



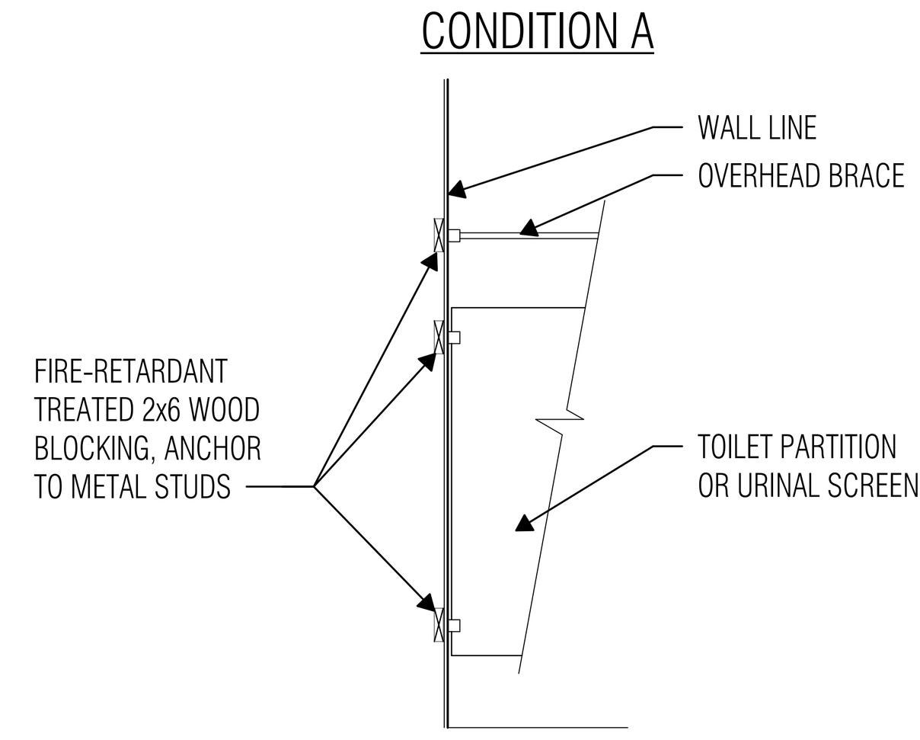
CONDITION A



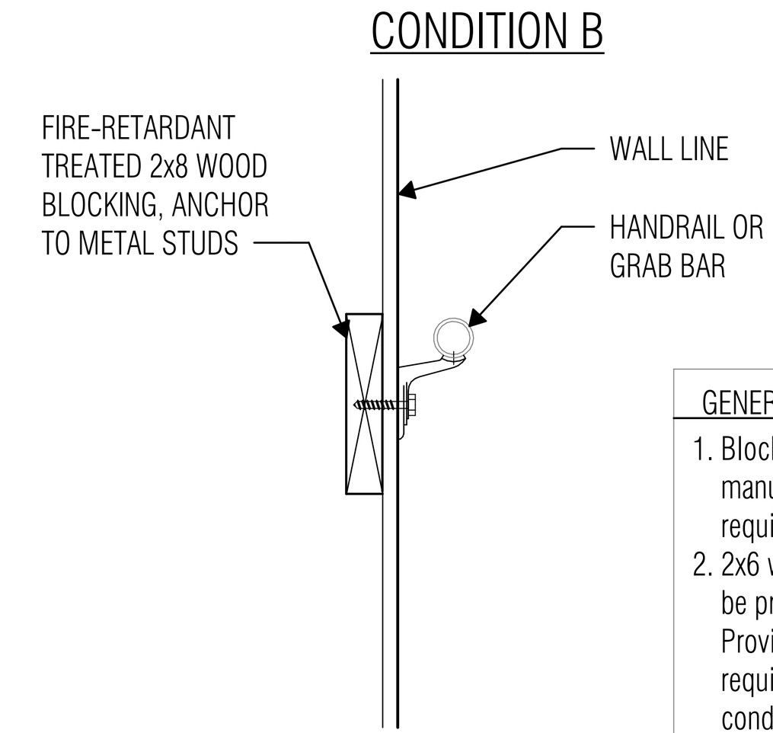
CONDITION B



CONDITION C

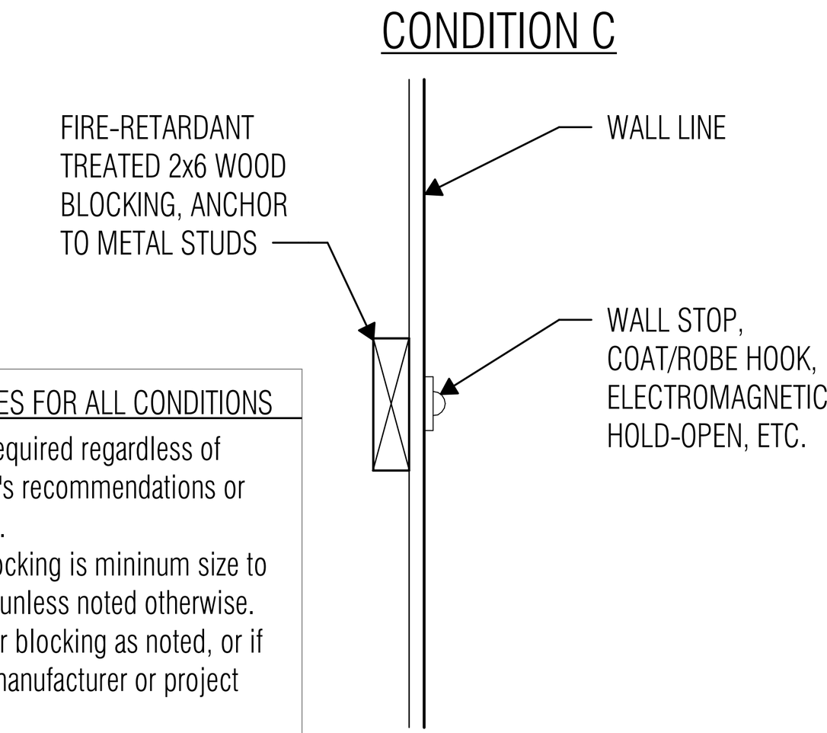


CONDITION D



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

GENERAL NOTES FOR ALL CONDITIONS
1. Blocking is required regardless of manufacturer's recommendations or requirements.
2. 2x6 wood blocking is minimum size to be provided, unless noted otherwise. Provide larger blocking as noted, or if required by manufacturer or project conditions.
3. Verify exact location of blocking with manufacturer's installation requirements.



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

MC005

TYPICAL WOOD BLOCKING DETAILS
SCALE: 3/8" = 1'-0"

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VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director RSJ	Drawn By STH, KM
Designer	Quality Control
Proj. Arch. TQ	

PROJECT NO.
24-010.00

SHEET TITLE
LABAY - CASEWORK ELEVATIONS & DETAILS

SHEET NO.
A28.01

FINISH ACCESSORY, FURNITURE AND EQUIPMENT SCHEDULE

NOTE: ALL MATERIALS, PRODUCTS, SIZES, COLORS AND PATTERNS ARE THE BASIS OF DESIGN. REFERENCE PROJECT MANUAL FOR ADDITIONAL APPROVED MANUFACTURERS MEETING THE DESIGN INTENT. SUBSTITUTIONS WILL BE CONSIDERED WHEN SUBMITTED IN COMPLIANCE WITH SECTION 01 62 00 – PRODUCT OPTIONS.

MARK	DESCRIPTION	SPEC SECTION	MANUFACTURER INFO			SIZE	COMMENTS
			MANUFACTURER	SERIES/STYLE	COLOR/FINISH		
PTD				-		-	
EXTERIOR EQUIPMENT AND SPECIALTIES							
EJ	Expansion Joint Covers	07 95 00		As Specified		-	
PJS	PREFORMED JOINT SEAL	07 95 00		-		-	PREFORMED JOINT SEAL
EXTERIOR FINISH ACCESSORY							
EFA-01	PREFINISHED METAL TRIM	07 42 13		As Specified		-	
EFA-02	FIBER CEMENT TRIM	07 46 46		As Specified		-	
EFA-03	WOOD TRIM	07 46 23		As Specified		-	
FLOOR FINISH ACCESSORY							
FFA-01	FLOOR TRANSITION	09 68 00	Johnsonite	Wheeled Traffic Transition	Black 40	--	RF to CPT. Provide floor transition to match flooring thickness.
FFA-02	FLOOR TRANSITION	09 68 00	Johnsonite	Slim Line Transition	Black	--	CPT to EXST. Provide floor transition to match flooring thickness.
MILLWORK FINISH ACCESSORY							
MFA-01	MILLWORK REVEAL	09 21 16	Fry Reglet	Millwork Profiles/Millwork U Channel	To be selected by architect.	1/2"	At Reception Desk refer to Casework Elevations for details.
MISC.							
BV	BRICK VENT	05 50 00		As Specified		-	
CB	CONCRETE BOLLARD	12 93 00		As Specified		-	
DN	DOWNSPOUT NOZZLE	DIVISION 22		As Specified		-	
JSE	EXTERIOR JOINT SEALANT	07 92 00		As Specified		-	
L	LOUVER	08 91 00		As Specified		-	
SPECIALTY EQUIPMENT							
ATH	Athletic Wall Pads	11 66 00		As Specified			AT LABAY
FEC	Fire Extinquisher Cabinet	10 44 13		As Specified		-	
HB	Horizontal Blinds	12 21 13		As Specified			
ID	IDENTIFYING DEVICES	10 14 00		As Specified			
MB	Markerboard - Premanufactured	10 11 16		As Specified			
PC-01	Platform Stage Curtain	10 21 23	KM Fabrics	Charisma	Black		COOK
PC-02	Platform Stage Curtain	10 21 23	KM Fabrics	Charisma	Navy		LABAY/TRUITT
TB	Tackboard	10 11 16		As Specified			

MATERIAL FINISH SCHEDULE

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MARK	DESCRIPTION	SPEC SECTION	MANUFACTURER INFO				COMMENTS
			MANUFACTURER	SERIES/STYLE	COLOR/FINISH	SIZE	
BASE FINISH							
BC	Base, Rubber Coved	09 65 00	Roppe	700 Series - Standard	193 Black Brown	4"	
PT-03	Paint - Base	09 91 00	Sherwin Williams	--	Architect to select.	VIF	Contractor to paint base at new CMU walls. base height to align to adjacent existing base.
CEILING FINISH							
ACT-01	Acoustic Ceiling Tile (24X24)	09 51 00	Armstrong	School Zone Fine Fissued	White	24"X24"	
ACT-02	Acoustic Ceiling Tile (24X24) - High NRC - New Tiles Only	09 51 00	Armstrong	Calla 2820	White	24"X24"	
ACT-03	Acoustic Ceiling Tile (24X24) - High NRC	09 51 00	Armstrong	Calla 2820	White	24"X24"	
EXTERIOR FINISH							
MA-01	4A-1 - Brick Veneer_King Labay	04 20 00	ACME		Steele Gray		
MP-01	Metal - Panel	07 42 13	Berridge		Architect to select.		Athletic Storage
MP-02	Metal - Roofing	07 42 13	Berridge		Architect to select.		Athletic Storage
FLOOR FINISH							
CO-01	Concrete - Sealed	03 30 00	--	--	--	--	
CO-02	Concrete - Polished	03 30 00	--	--	--	--	
CPT-01	Carpet - Broadloom	09 68 00	Tarkett	Aftermath II	Fleece 23508	Roll	
RF-01	Resilient Floor - Sheet Vinyl	09 65 44	Forbo	Marmoleum Fresco	Sparrow 3252	13" X 13"	
MILLWORK & ARCHITECTURAL FINISHES							
PL-01	Plastic Laminate - Vertical	08 14 23	Formica		5883-58 Pecan Woodline	--	
PL-02	Plastic Laminate - Casework Counters	12 32 16	Wilsonart	General Laminate - Type 107	Classic Linen 4943-38 - Fine Velvet Finish	--	
QTZ-01	Quartz surface - Counters	12 36 61.19	Wilsonart	Quartz	Isselburg - Q4013	--	
QTZ-02	Quartz surface - Window Sills	12 36 61.19	Wilsonart	Quartz	Isselburg - Q4013	--	
WALL FINISH							
AWP-01	Acoustic Wall Panel, Fabric Wrapped - Field	09 84 13	Carnegie	Xorel Meteor	(Tan) 766	--	
AWP-02	Acoustic Wall Panel, Fabric Wrapped - Light Blue Accent	09 84 13	Carnegie	Xorel Meteor	(Light Blue) 739	--	
AWP-03	Acoustic Wall Panel, Fabric Wrapped -Dark Blue Accent	09 84 13	Carnegie	Xorel Meteor	(Dark Blue) 746	--	
AWP-04	Acoustic Wall Panel, Fabric Wrapped -Red Accent	09 84 13	Carnegie	Xorel Meteor	(Red) 727	--	
AWP-05	Acoustic Wall Panel, Fabric Wrapped -Blue Accent	09 84 13	Guilford of Maine	Anchorage 2335	2026 Quarry Blue		
PT-01	Paint - Field	09 91 00	Sherwin Williams	--	Aestheic White SW7035	--	
PT-02	Paint - Bronze Accent	09 91 00	Sherwin Williams	--	Urbane Bronze SW7048	--	

1

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

REGISTERED ARCHITECT RUDOLPH STARKS JR. 24202 STATE OF TEXAS

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

PROJECT NO.

24-010.00

SHEET TITLE

LABAY - MATERIAL FINISH SCHEDULES

SHEET NO.

A29.01

2024 Cook, Labay & Truitt MS Renovations

ROOM FINISH SCHEDULE

LEVEL	ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALL	COMMENTS
LEVEL ONE						
LABAY - UNIT A						
LEVEL ONE	530	ORCHESTRA	CPT	BC	PT	LABAY
LEVEL ONE	535	MECHANICAL	CO	BC	PT	LABAY
LEVEL ONE	533	PRACTICE	CPT	BC	PT	LABAY
LEVEL ONE	531A	INSTRUMENT STORAGE	RF	BC	PT	LABAY
LEVEL ONE	531	ENSEMBLE	CPT	BC	PT	LABAY
LEVEL ONE	532	OFFICE/LIBRARY	CPT	BC	PT	LABAY
LABAY - UNIT C						
LEVEL ONE	400A	VESTIBULE	EXST	EXST	EXST	LABAY
LEVEL ONE	400	CHECK-IN	EXST	EXST	EXST	LABAY
LABAY - UNIT D.1						
LEVEL ONE	302	OFFICE	CPT	BC	PT	LABAY
LEVEL ONE	303B	STORAGE	RF	BC	PT	LABAY
LEVEL ONE	301	CULINARY LAB	RF	BC	PT	LABAY
LEVEL ONE	303A	LAUNDRY	EXST	BC	PT	LABAY
LEVEL ONE	303	SEWING LAB	RF	BC	PT	LABAY
LEVEL ONE	301A	PANTRY	RF	BC	PT	LABAY
LABAY - UNIT D.2						
LEVEL ONE	316	COMPUTER LAB	CO	BC	PT	LABAY
LEVEL ONE	311	SHOP	EXST	BC	PT	LABAY
LEVEL ONE	312	ENGINEERING	EXST	BC	PT	LABAY
LEVEL ONE	312A	STORAGE	EXST	EXST	EXST	LABAY
LEVEL ONE	313	OFFICE	EXST	EXST	EXST	LABAY
LEVEL ONE	315	ELECTRICAL	EXST	EXST	EXST	LABAY
LEVEL ONE	314	MANUFACTURING	EXST	BC	PT	LABAY
LEVEL ONE	355	CORRIDOR	EXST	EXST	EXST	LABAY
LEVEL ONE	317	CUSTODIAN OFFICE	CO	BC	PT	LABAY
LEVEL ONE	317A	STORAGE	CO	BC	PT	LABAY
LEVEL ONE	311A	MATERIAL STORAGE	CO	BC	PT	LABAY

FINISH SCHEDULE NOTES

1. **General Finish Notes**
   - A. Any finish conflict between finish schedules and finish floor plans to be brought to the architect's attention for resolution.
   - B. Existing doors and operable window hardware shall be cleaned of all dirt and non-original paint.
   - C. **Plastic Laminate**
     - a. Typical Casework/Millwork cabinet body, doors, and drawer fronts shall be PL-01, unless noted otherwise.
     - b. Countertops shall be PL-02.
     - c. Interior Plastic Laminate clad wood doors to be PL-01.
     - d. All New Window Sills shall be QTZ-02.
2. **Ceiling Finishes**
   - A. Refer to Reflected Ceiling Plans for scheduled finish.
   - B. At ceilings with exposed structure, all exposed elements shall be painted the scheduled color, including mechanical ductwork, electrical, piping, conduit, j-boxes, etc.
   - C. All interior gyp. bd. ceilings to be painted PT-01, unless noted otherwise.
   - D. All interior gyp. bd. furr-downs to be painted PT-01, unless noted otherwise.
3. **Floor Finishes**
   - A. All substrates receiving new flooring shall be clean of all adhesives and leveled as required to meet the installation recommendations of the flooring
   - B. Refer to Interior Finish Plans for floor finish patterns.
   - C. Refer to Interior Finish Plans for tile origin in each room. If origin point is not indicated, center in middle of the room or corridor.
   - D. All changes in floor material between rooms shall occur at centerline of doorway, unless noted otherwise.
   - E. Level and float flooring at public corridor walls.
   - F. All toilets and other areas capable of water mitigation shall have a 2" x ½" marble threshold with double ¼" bevel edge. The thresholds shall be held in place with thin set.
   - G. Sealant color shall match adjacent material.
   - H. Typical flooring application at brick walls:
     - a. LVT: Rake brick joint at floor level and install sealant between LVT and brick.
     - b. Carpet: Rake brick joint at floor level and tuck carpet tight into raked brick joint.
4. **Wall Finishes**
   - A. Finishes shall continue to inside corner, unless noted otherwise.
   - B. At painted CMU base, paint as indicated in drawings.
   - C. **Paint Information:**
     - a. **Interior Paint**
       - 1 New interior walls and existing walls within area of work are to be painted PT-01 in their entirety, unless noted otherwise.
       - All interior sealants shall be painted to match adjacent wall.
     - b. **Hollow Metal Doors and Windows:**
       - Hollow metal doors to be painted PT-02, unless noted otherwise
       - Hollow metal door frames and vision panel frames shall be painted PT-02, unless noted otherwise.
       - At door frames with 2 different colors, transition color at inside corner of door stop, on the door side of the stop.
       - Hollow metal glazed opening frames shall be painted PT-02, unless noted otherwise.

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

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2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT
RUDOLPH STAINS
24202
STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch.	
TQ	

PROJECT NO.

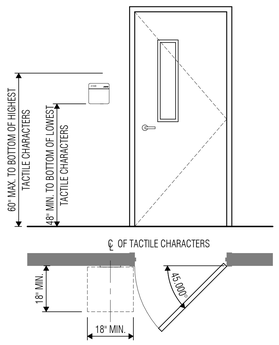
24-010.00

SHEET TITLE

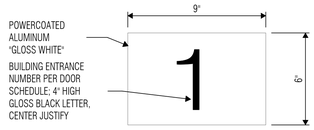
LABAY - ROOM FINISH SCHEDULE

SHEET NO.

A29.02

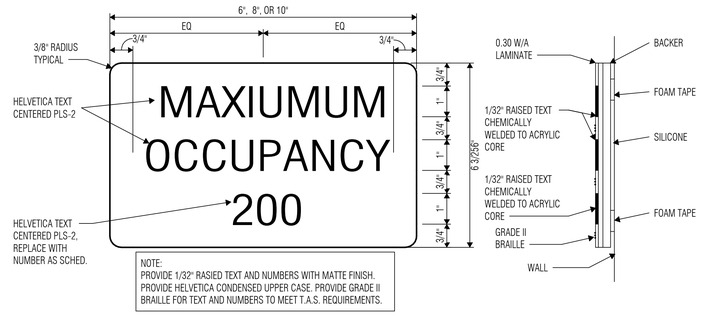


1 DETAIL/ELEV - DOOR SIGN
SCALE: 1/2" = 1'-0"



NOTE:
PROVIDE (2) SIGNS AT EACH ENTRANCE AS NOTED. ONE ON THE INTERIOR AND ONE ON THE EXTERIOR. BUILDING ENTRANCE SIGNS SHALL BE MOUNTED ABOVE AND CENTERED ON THE DOOR(S), WITH MECHANICAL FASTENERS (ON WALL) OR CLEAR DOUBLE SIDED VHB TAPE (ON GLAZING).

2 SIGN TYPE 'D'
SCALE: 3" = 1'-0"



3 SIGN TYPE 'C'1
SCALE: 6" = 1'-0"

4 SIGN TYPE 'A'1
SCALE: 6" = 1'-0"

5 SIGN TYPE 'B'1
SCALE: 6" = 1'-0"

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ARCHITECT
VLK Architects, Inc.
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

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HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT — ROBERT S. JOHNSON — 24202 — STATE OF TEXAS
03/06/2025

ISSUED: 03/06/25

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Revision No.	Revision Date

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch.	
TQ	

PROJECT NO.
24-010.00

SHEET TITLE
LABAY - ROOM SIGNAGE DETAILS

SHEET NO.
A29.20

2024 Cook, Labay & Truitt MS Renovations

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT

HOUSTON, TEXAS

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DAN GROSZ	DIRECTOR OF DESIGN AND FACILITIES PLANNING
SHANNON THOMPSON	DIRECTOR OF PROJECT MANAGEMENT
STEVEN BRYAN	DIRECTOR OF CONSTRUCTION FIELD SERVICES
AMY HAYES	DIRECTOR OF CONTRACT MANAGEMENT

SCOPE OF WORK

SCOPE #	DESCRIPTION
1	Renovate Shop and Classroom to allocate more space to Shop.
2	Renovate existing communications to provide manufacturing classroom and storage area.
3	Addition and Renovation at Sewing and FCS area to meet Dstrict Standards.
4	Provide brick service yard wall enclosure.
5	Add 1,000 SF total to Orchestra for the following: Increase main classroom size to 1,600 SF, Add one (1) Ensemble room 500 SF, Add one (1) Practice room 100 SF.
6	Provide outside storage for football and track equipment.
7	Replace deteriorated window sills.
8	Update Cafeteria Stage Lighting, Sound, A/V Equipment and Drapery packages.
9	Strip, regrade, and resod existing competition football field with TIF-419 Bermuda.
10	Replace athletics clothes washer.
11	Replace pumps in lift station.
12	Remove and replace pavement joint sealant.
13	Provide generator backed power for all racks in all telecommunications rooms.
15	Provide sub-metering for kitchen electrical, cooling/heating and water usages.
16	Add dedicated HVAC unit to secondary telecommunications room (IDF).
19	Repair gas piping on roof. Remove surface rust and paint. Replace all gas valves on roof.
20	Separate irrigation meter from existing water meter.
~~**21**~~	~~Replace all existing data cables to CAT 6A.~~
22	Additional card readers on exterior doors.
23	Harden main front desk.
26	Addition lockdown buttons.
27	Enhanced Video Intercoms.
28	Exterior Window and Door Numbering.
31	Impact-resistant glass on doors and high-traffic areas.
32	Upgrade classroom and exterior door hardware.

VOLUME 3

TRUITT MIDDLE SCHOOL

ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CIVIL ENGINEER

Brooks & Sparks, Inc.
21020 Park Row Blvd.
Katy, TX 77449
Main Phone: 281.578.9595
www.brooksandsparks.com

LANDSCAPE / IRRIGATION

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Main Phone: 281.664.1900
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ACOUSTICAL / THEATRICAL

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3424 Midcourt Rd. Suite 124
Carrollton, TX 75006
Main Phone: 210.561.9800
www.wjhw.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

REGISTERED ARCHITECT
RUDOLPH STARKS JR.
24202
STATE OF TEXAS
03/06/2025

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1	Addendum 1	03-06-2025

Director RSJ	Drawn By -
Designer -	Quality Control
Proj. Arch. RS	

PROJECT NO.

24-010.00

SHEET TITLE

COVER - TRUITT MS

SHEET NO.

G30.01

2024 Cook, Labay & Truitt MS Renovations

2024 Cook, Labay & Truitt MS Renovations

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT

HOUSTON, TEXAS

ABBREVIATIONS

A
A.F.F. ABOVE FINISH FLOOR
A.C.T. ACOUSTICAL CEILING TILE
ADDL. ADDITIONAL
A.B. AIR BARRIER
A.C.M. ALUMINUM COMPOSITE PANEL
A.D.A. AMERICANS WITH DISABILITIES ACT
AL/ALUM. ALUMINUM
APPROX. APPROXIMATE OR APPROXIMATELY
ARCH. ARCHITECT OR ARCHITECTURAL

B
BD. BOARD
B.O.W. BOTTOM OF WALL
B.U.R. BUILT-UP ROOFING
BLDG. BUILDING

C
℄ CENTER LINE
C.R. CLASSROOM
C.F.S. COLD-FORMED STEEL
CONC. CONCRETE
CMU CONCRETE MASONRY UNIT
C.M. CONSTRUCTION MANAGER
CONT. CONTINUOUS
C.I. CONTINUOUS INSULATION
C.J. CONTROL JOINT
COORD. COORDINATE
CORR. CORRIDOR

D
DIA. DIAMETER
D.O. DOOR OPENING
DN. DOWN
DS. DOWNSPOUT

E
EA. EACH
E.W. EACH WAY
ELEC. ELECTRICAL
E.W.C. ELECTRIC WATER COOLER
ELEV. ELEVATION
EQ. EQUAL
EQUIP. EQUIPMENT
EXIST. EXISTING
E.J. EXPANSION JOINT
EXT. EXTERIOR
EIFS EXTERIOR INSULATION & FINISH SYSTEM

F
FT. FEET or FOOT
F.R.P. FIBERGLASS REINFORCED PLASTIC
F.V. FIELD-VERIFY
FIN. FINISH
F.F. FINISH FLOOR
F.E. FIRE EXTINGUISHER
F.E.C. FIRE EXTINGUISHER & CABINET
F.H.C. FIRE HOSE CABINET
F.H.C.S. FLAT-HEAD COUNTERSUNK
FLR. FLOOR
F.D. FLOOR DRAIN
FLUOR. FLUORESCENT

G / H
GALV. GALVANIZED
GA. GAGE
G.C. GENERAL CONTRACTOR
G.O. GLAZED OPENING
GYP GYPSUM
HT. HEIGHT
H.P. HIGH POINT
H.M. HOLLOW METAL
HORIZ. HORIZONTAL
H.B. HORIZONTAL BLINDS
H.D.G. HOT-DIP GALVANIZED
HR. HOUR

I / J / K
I.D. INSIDE DIAMETER
INSUL. INSULATION
INT. INTERIOR
I.B.C. INTERNATIONAL BUILDING CODE

L
LAV. LAVATORY
L.L.H. LONG LEG HORIZONTAL
L.L.V. LONG LEG VERTICAL
L.P. LOW POINT
L.V.T. LUXURY VINYL TILE

M
MFR. MANUFACTURER
MFG. MANUFACTURING
M.B. MARKER BOARD
M.O. MASONRY OPENING
MAX. MAXIMUM
MECH. MECHANICAL

M (CONT.)
MOD BIT MODIFIED BITUMEN
MULL. MULLION
M.E.P. MECHANICAL-ELECTRICAL-PLUMBING
M.C.M. METAL COMPOSITE MATERIAL
MIN. MINIMUM
MISC. MISCELLANEOUS

N
NOM. NOMINAL
N/A NOT APPLICABLE
N.I.C. NOT IN CONTRACT
N.T.S. NOT TO SCALE
NO./# NUMBER

O
O.C. ON CENTER
O.D. OUTSIDE DIAMETER
O.H. OPPOSITE HAND
OHD. OVERHEAD
O.F.C.I. OWNER-FURNISHED, CONTRACTOR-INSTALLED
O.F.O.I. OWNER-FURNISHED, OWNER INSTALLED

P / Q
PR. PAIR
P.LAM. PLASTIC LAMINATE
PL. PLATE
PLUMB. PLUMBING
PT. POINT
P.C.F. POUNDS PER CUBIC FOOT
P.S.F. POUNDS PER SQUARE FOOT
P.S.I. POUNDS PER SQUARE INCH
PREFAB. PREFABRICATED
PROJ. PROJECTOR or PROJECTION
Q.T. QUARRY TILE

R
R. RADIUS
REBAR REINFORCING BAR
REF. REFERENCE or REFER TO
R.C.P REFLECTED CEILING PLAN
RE: REGARDING
REFG. REFRIGERATOR
REINF. REINFORCE or REINFORCING
REQD. REQUIRED
R. RISER (STAIR)
R.D. ROOF DRAIN
R.O. ROUGH OPENING

S
SIM. SIMILAR
S.C. SOLID CORE
S.A.B. SOUND ATTENUATION BLANKET
S.A.F.B. SOUND ATTENUATION FIRE BLANKET
S.T.C. SOUND TRANSMISSION CLASS
SPEC. SPECIFICATION
SQ. SQUARE
S.F. SQUARE FOOT
S.S. STAINLESS STEEL
STRUC. STRUCTURAL
SUSP. SUSPENDED

T
T.B. TACKBOARD
T.W. TACK WALL
T.C. TEACHER'S CABINET
T.A.S. TEXAS ACCESSIBILITY STANDARDS
T. TREAD (STAIR)
T&B TOP & BOTTOM
T.O. TOP OF
T.C. TOP OF CURB
T.O.D. TOP OF DECK
T.O.J. TOP OF JOIST
T.O.S. TOP OF STEEL
T.O.W. TOP OF WALL
TYP. TYPICAL

U / V
U.C. UNDER COUNTER
U.L. UNDERWRITERS LABORATORY
U.N.O. UNLESS NOTED OTHERWISE
V.I.F. VERIFY IN FIELD
VERT. VERTICAL
V.C.T. VINYL COMPOSITION TILE
V.W.C VINYL WALL COVERING

W / X / Y / Z
W.C. WATER CLOSET
W.R.B. WATER-RESISTIVE BARRIER
WT. WEIGHT
W. WIDE
W/ WITH
W/O WITHOUT
W.P. WORKING POINT
W.W.F. WELDED WIRE FABRIC

MATERIAL INDICATIONS

EARTH
POROUS FILL
CONCRETE/ GROUT
BRICK
CMU (LARGE SCALE)
MARBLE
METAL (LARGE SCALE)
METAL (SMALL SCALE)
RESILIENT FLOORING
ACOUSTICAL TILE
TERRAZZO
PLASTER, SAND, GROUT
CERAMIC TILE
GLASS (LARGE SCALE)
INSULATION (RIGID FOAM BOARD)
INSULATION (EPS FOAM BOARD)
INSULATION (BATT/ BLANKET)
INSULATION (SEMI-RIGID BOARD)
WOOD, ROUGH (CONTINUOUS)
WOOD, ROUGH (BLOCKING)
WOOD, FINISH
PLYWOOD (LARGE SCALE)
FIBER CEMENT PANEL
METAL LATH
GYPSUM BOARD

SYMBOLS LEGEND

CLASSROOM A201 — ROOM NAME & NUMBER
A203 — DOOR NUMBER
A — ALUMINUM-FRAMED GLAZED OPENING SYSTEM
G.O. 2 — HOLLOW METAL-FRAMED GLAZED OPENING SYSTEM
P1 — PARTITION TYPE
ABC-01 — BUILDING ASSEMBLY TYPE
A3.01 / 3 (SHEET NO., DWG. NO.) — BUILDING ELEVATION
3 / A4.01 (DWG. NO., SHEET NO.) — BUILDING SECTION
2 / A4.11 (DWG. NO., SHEET NO.) — WALL SECTION
L 3 — LOUVER
8 — KEYED NOTE
N — NORTH ARROW
HB — HORIZONTAL BLINDS
DWG. NO. 3/A8.01 SHEET NO. — INTERIOR ELEVATION
DWG. NO. 6/A4.05 SHEET NO. — SECTION DETAIL
AC — ACCESS CONTROL
DATUM ELEVATION

GENERAL NOTES

1. Refer to the CODE-series sheets for Code Information, Design Criteria and Fire Protection Requirements.
2. Verify and document existing dimensions and conditions at the site before beginning construction. Notify the Architect of conflicts or variations prior to commencement of construction.
3. Based on the applicable design criteria, submit Shop Drawings of the proposed pattern of control joints in masonry veneer, CMU, gypsum board, plaster and stucco to the Architect for review and approval prior to construction.
4. In case of discrepancies in or between the Contract Documents, the greater quantity or better quality shall be bid. Clarifications regarding the discrepancies shall be requested from the Architect prior to construction, and the resulting interpretations implemented in accordance with the Contract Documents.

INDEX OF DRAWINGS

PROJECT INFORMATION | TRUITT MS

PROJECT IDENTIFICATION

PROJECT: 2024 TRUITT MS RENOVATIONS
OWNER: CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT

PROJECT LOCATION: 6600 ADDICKS SATSUMA RD, HOUSTON TX 77084
LEGAL DESCRIPTION: TR 5C (RES A PER PLAT)
THE COLONIES SCHOOL SITE
ABST 533 M MCCORMICK

VLK PROJECT NUMBER: 24-010.00
TDLR PROJECT REGISTRATION NUMBER: TABS

APPROXIMATE BUILDING AREAS

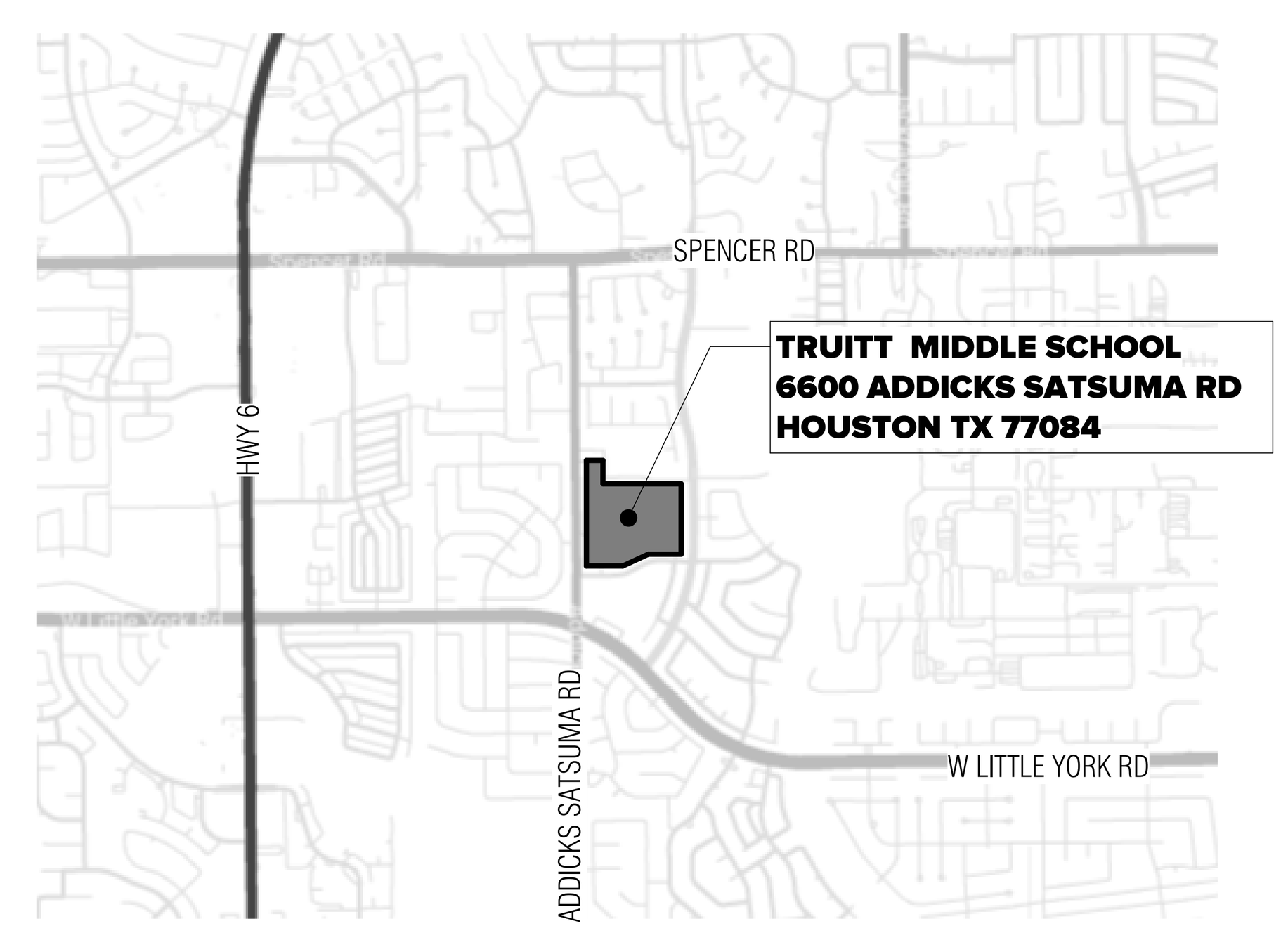
Existing Building (Renovation):	199,106 sq. ft.
Building Addition:	440 sq. ft.
Total Area:	199,546 sq. ft.

BUILDING CONSTRUCTION INFORMATION

TYPE OF CONSTRUCTION (TABLE 601 - IBC): TYPE I-B

FIRE PROTECTION SYSTEM: AUTOMATIC SPRINKLER SYSTEM THROUGHOUT

SITE LOCATION MAP



VLK | ARCHITECTS

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CIVIL ENGINEER
Brooks & Sparks, Inc.
21020 Park Row Blvd.
Katy, TX 77449
Main Phone: 281.578.9595
www.brooksandsparks.com

LANDSCAPE / IRRIGATION
Westwood
20329 State Hwy 249, #350
Houston, TX 77070
Main Phone: (281) 883-0103
www.westwoodps.com

STRUCTURAL ENGINEER
Dunaway
3200 Wilcrest Dr. Ste 4400
Houston, TX 77042
Main Phone: 512.306.8252
www.dunaway.com

M.E.P. ENGINEER
Salas O'Brien
10930 W Sam Houston Pkwy N #900
Houston, TX 77064
Main Phone: 281.664.1900
www.salasobrien.com

ACOUSTICAL / THEATRICAL
W.J.H.W.
3424 Midcourt Rd. Suite 124
Carrollton, TX 75006
Main Phone: 210.561.9800
www.wjhw.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

REGISTERED ARCHITECT · STATE OF TEXAS · 03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: TL
Drawn By: STH
Designer
Quality Control
Proj. Arch.: RS

2024 Cook, Labay & Truitt MS Renovations

PROJECT NO.
24-010.00

SHEET TITLE
PROJECT INFORMATION, GENERAL NOTES, ABBREVIATIONS, INDEX

SHEET NO.
G30.02

GENERAL DEMOLITION NOTES

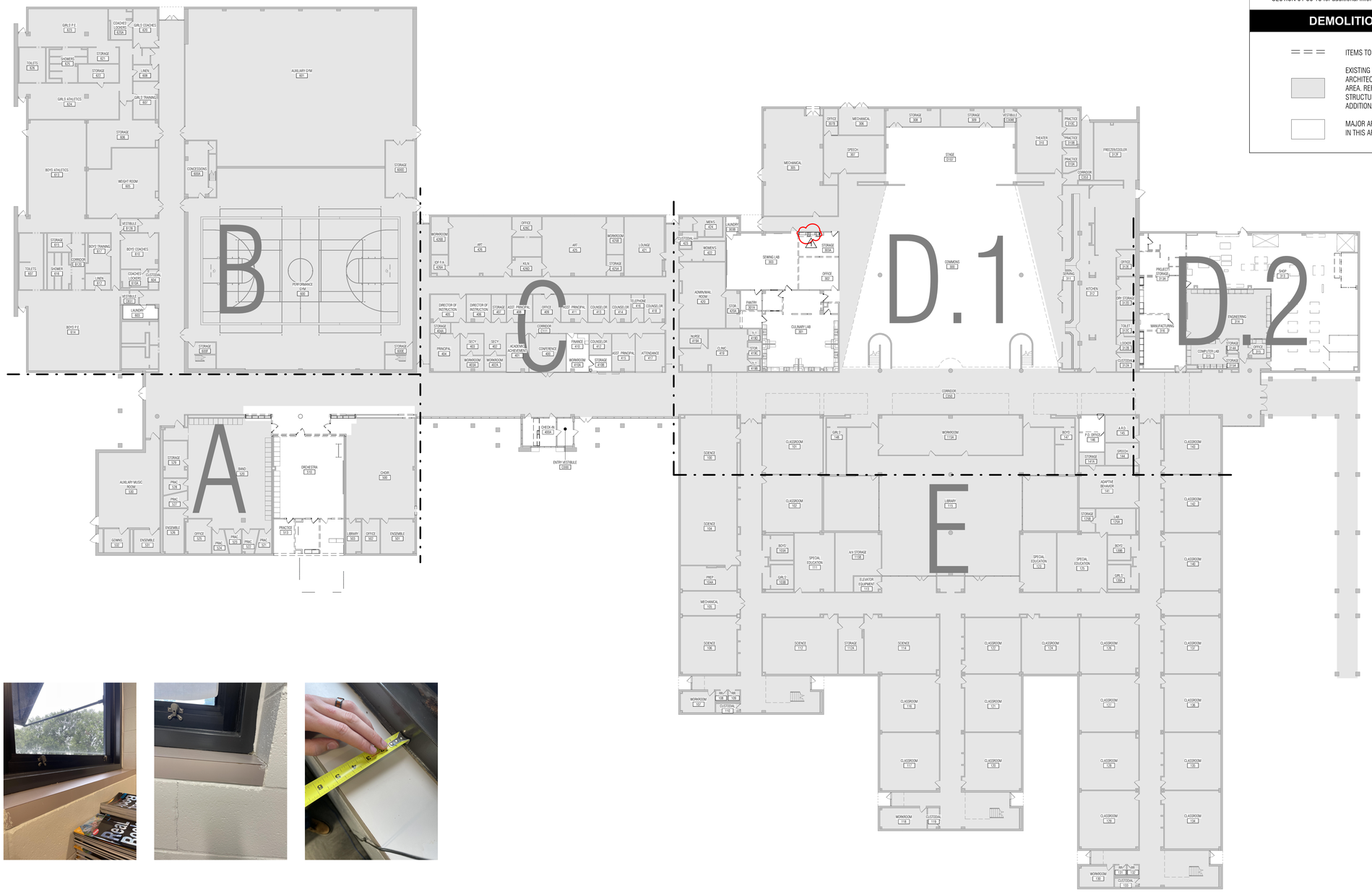
1. Drawings show the general extent of demolition work, however it is impractical to indicate or note every item of demolition. Any items shown dashed are to be removed to make way for new construction, unless noted otherwise. Contractor shall notify Architect of any discrepencies between demolition and construction drawings prior to demolition.
2. Removal of any asbestos containing materials within the area of work shall be included in the Contractor's scope. Refer to asbestos abatement report and requirements.
3. Contractor shall protect existing items to remain from damage throughout all phases of the project. Contractor shall repair, at no cost to the owner, any damages they incur on the existing building and site not scheduled for alteration, as a result of construction activities. Contractor shall provide video documentation of existing conditions prior to start of construction and provide video to Architect.
4. Contractor to notify Architect if items shown as existing to remain need to be removed to make way for new work. Contractor is responsible for removing said items, unless noted otherwise, including but not limited to: furniture, equipment, shelving, fixtures, utilities, etc. Contractor shall carefully remove, protect, and reinstall items back to their original positions and make all original connections, when work in the affected area is complete. Any item damaged as a result of construction activity shall be replaced at Contractor's expense. This note shall apply to all areas with construction activity.
5. Refer to Civil, MEPT, and Structural drawings for additional demolition scope.
6. Patch/repair ceilings, walls, and flooring to match existing at all removed or demolished doors, windows, walls, millwork, lockers, and similar items. Refer to SECTION 01 36 13 for additional information regarding patch and repair.

DEMOLITION LEGEND

ITEMS TO BE DEMOLISHED

EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

MAJOR ARCHITECTURAL WORK REQUIRED IN THIS AREA



1 DEMOLITION ORIENTATION PLAN - LEVEL ONE
SCALE: 3/64" = 1'-0"

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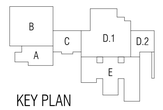
ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations



KEY PLAN

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch.	
TQ	

PROJECT NO.

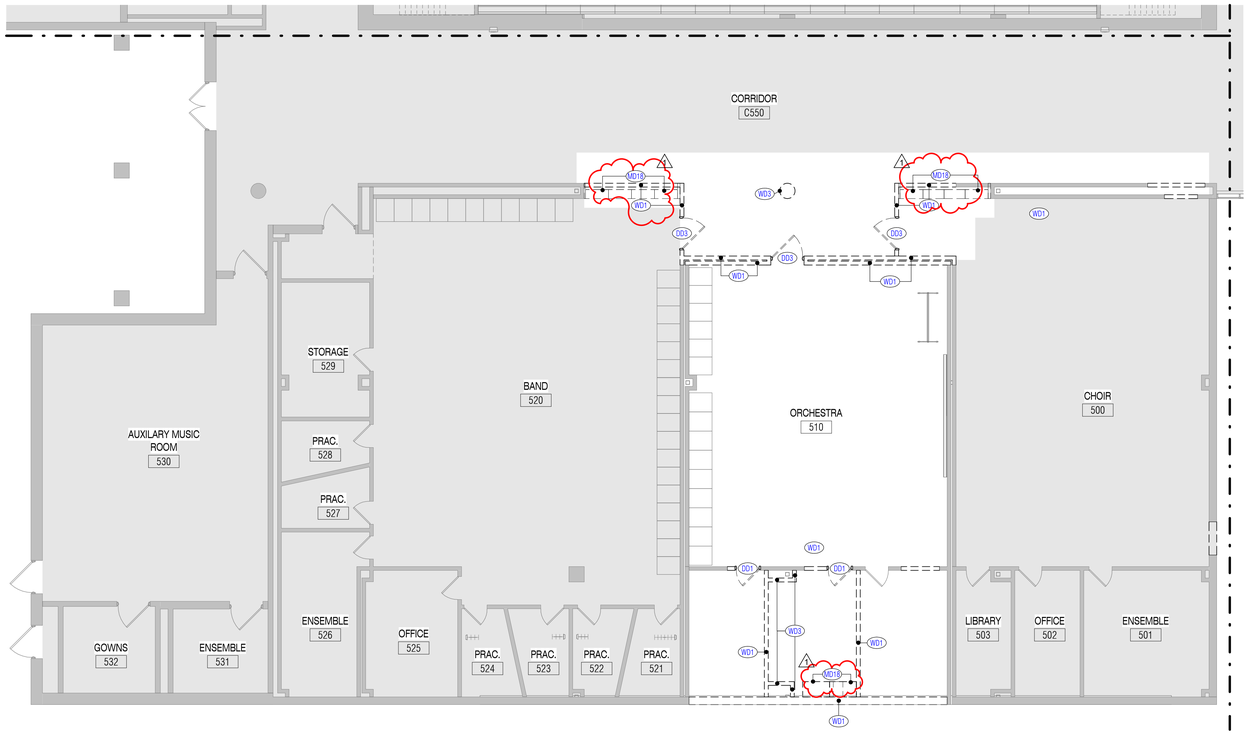
24-010.00

SHEET TITLE

TRUITT - ORIENTATION DEMOLITION PLAN - LEVEL ONE

SHEET NO.

A32.01



1 UNIT "A" DEMOLITION PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. Drawings show the general extent of demolition work, however it is impractical to indicate or note every item of demolition. Any items shown dashed are to be removed to make way for new construction, unless noted otherwise. Contractor shall notify Architect of any discrepencies between demolition and construction drawings prior to demolition.
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5. Refer to Civil, MEPT, and Structural drawings for additional demolition scope.
6. Patch/repair ceilings, walls, and flooring to match existing at all removed or demolished doors, windows, walls, millwork, lockers, and similar items. Refer to SECTION 01 36 13 for additional information regarding patch and repair.

DEMOLITION LEGEND

ITEMS TO BE DEMOLISHED

EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

MAJOR ARCHITECTURAL WORK REQUIRED IN THIS AREA

KEYNOTE LEGEND

DD1	REMOVE AND PROPERLY DISPOSE OF DOOR, HARDWARE, AND FRAME. PREPARE AREA TO RECEIVE NEW CONSTRUCTION.
DD3	REMOVE AND RETURN DOOR TO OWNER, HARDWARE, AND FRAME. PREPARE AREA TO RECEIVE NEW CONSTRUCTION.
MD18	REMOVE AND PROTECT CASEWORK. PREPARE FOR RELOCATION. RE: RESPECTIVE UNIT RENOVATION PLAN FOR NEW LOCATION.
WD1	CAREFULLY REMOVE AND PROPERLY DISPOSE OF WALL AS SHOWN IN DASHED LINES. CLEAN AND PREPARE AREA FOR NEW CONSTRUCTION. CAP AND ABANDON ALL EXISTING UTILITIES IN WALL. RE: MEP DRAWINGS FOR ADDITIONAL INFORMATION.
WD3	CAREFULLY REMOVE AND PROPERLY DISPOSE OF COLUMN COVER. PROTECT INTERNAL STRUCTURAL COLUMN. CLEAN AND PREPARE AREA FOR NEW CONSTRUCTION.

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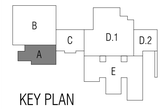
ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations



KEY PLAN

03/06/2025

ISSUED: February 24, 2025

REVISIONS

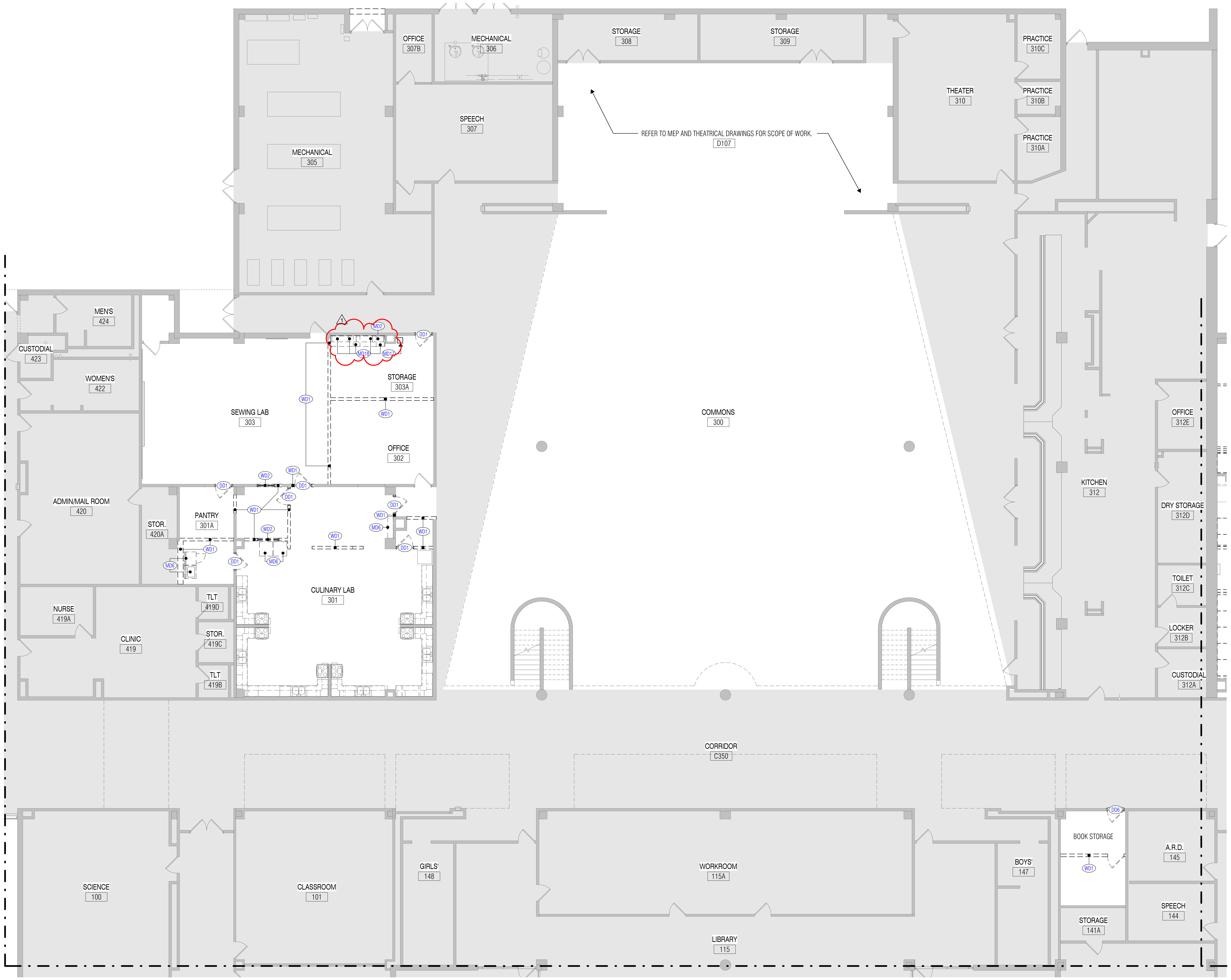
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
Approver	STH, KM
Designer	Quality Control
Designer	
Proj. Arch.	
Checker	

PROJECT NO.
24-010.00

SHEET TITLE
TRUITT - UNIT A DEMOLITION PLAN - LEVEL ONE

SHEET NO.
A32.01A



1 UNIT "D.1" DEMOLITION PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. Drawings show the general extent of demolition work, however it is impractical to indicate or note every item of demolition. Any items shown dashed are to be removed to make way for new construction, unless noted otherwise. Contractor shall notify Architect of any discrepencies between demolition and construction drawings prior to demolition.
2. Removal of any asbestos containing materials within the area of work shall be included in the Contractor's scope. Refer to asbestos abatement report and requirements.
3. Contractor shall protect existing items to remain from damage throughout all phases of the project. Contractor shall repair, at no cost to the owner, any damages they incur on the existing building and site not scheduled for alteration, as a result of construction activities. Contractor shall provide video documentation of existing conditions prior to start of construction and provide video to Architect.
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5. Refer to Civil, MEPT, and Structural drawings for additional demolition scope.
6. Patch/repair ceilings, walls, and flooring to match existing at all removed or demolished doors, windows, walls, millwork, lockers, and similar items. Refer to SECTION 01 36 13 for additional information regarding patch and repair.

DEMOLITION LEGEND

= = =	ITEMS TO BE DEMOLISHED
(shaded)	EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.
(unshaded)	MAJOR ARCHITECTURAL WORK REQUIRED IN THIS AREA

KEYNOTE LEGEND

DD1	REMOVE AND PROPERLY DISPOSE OF DOOR, HARDWARE, AND FRAME. PREPARE AREA TO RECEIVE NEW CONSTRUCTION.
DD6	CAREFULLY REMOVE AND PROTECT DOOR LEAF AND HARDWARE. PREPARE TO BE MOVED TO NEW LOCATION AT STORAGE 410B (RE: A32.11C)
MD2	REMOVE AND PROPERLY DISPOSE CASEWORK. PREPARE AREA FOR NEW CONSTRUCTION.
MD6	CAREFULLY REMOVE TO BE REUSED.
MD17	CAREFULLY REMOVE AND SALVAGE SAFE TO BE RELOCATED. COORDINATE WITH DISTRICT REP.
MD18	REMOVE AND PROTECT CASEWORK. PREPARE FOR RELOCATION. RE: RESPECTIVE UNIT RENOVATION PLAN FOR NEW LOCATION.
WD1	CAREFULLY REMOVE AND PROPERLY DISPOSE OF WALL AS SHOWN IN DASHED LINES. CLEAN AND PREPARE AREA FOR NEW CONSTRUCTION. CAP AND ABANDON ALL EXISTING UTILITIES IN WALL. RE: MEP DRAWINGS FOR ADDITIONAL INFORMATION.
WD2	CAREFULLY REMOVE AND PROPERLY DISPOSE OF STOREFRONT SYSTEM. CLEAN AND PREPARE AREA FOR NEW CONSTRUCTION.

VLK | ARCHITECTS

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
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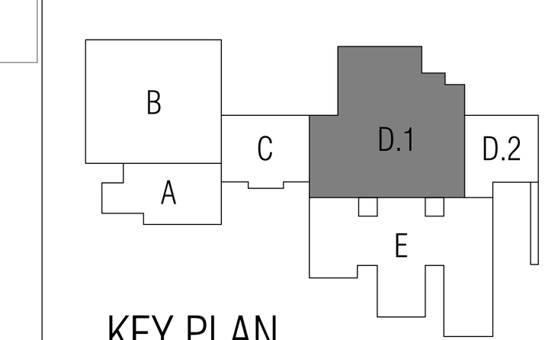

KEY PLAN

03/06/2025

ISSUED: February 24, 2025

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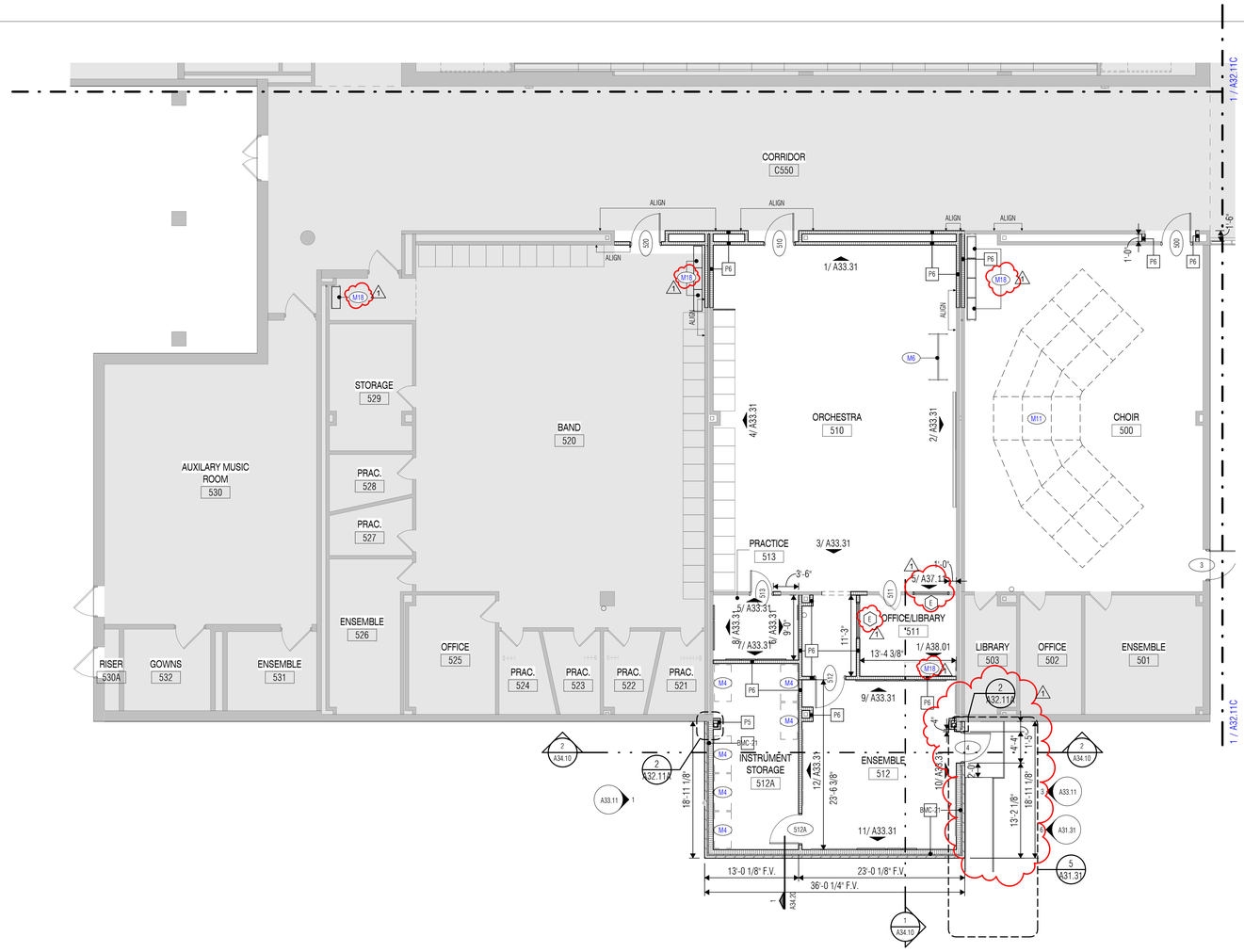
1	Addendum 1	03-06-2025

Director	Drawn By
Approver	STH, KM
Designer	Quality Control
Designer	
Proj. Arch.	
Checker	

PROJECT NO.
24-010.00

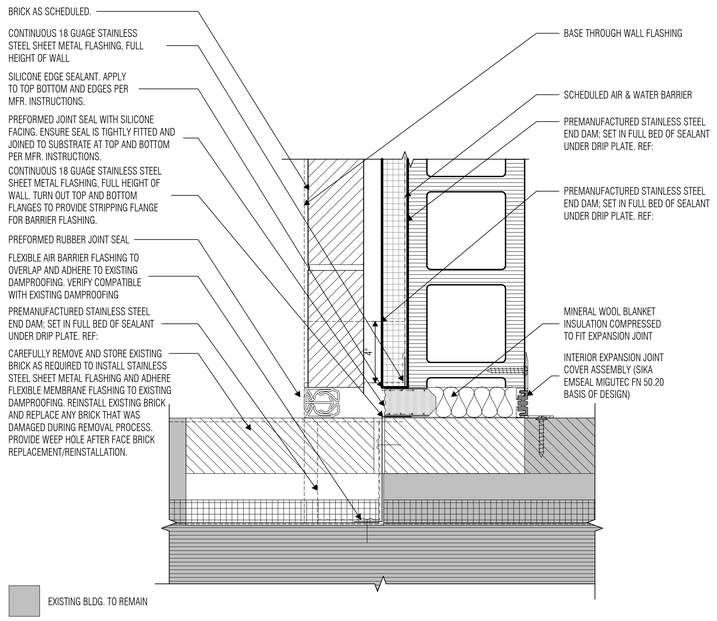
SHEET TITLE
TRUITT - UNIT D.1 DEMOLITION PLAN - LEVEL ONE

SHEET NO.
A32.01D.1



1 UNIT "A" PLAN - LEVEL ONE

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



2 EXPANSION JOINT @ EXTERIOR WALL TYP.

SCALE: 3" = 1'-0"

FLOOR PLAN NOTES

1. Refer to Civil Grading drawings for Primary Ground Level floor elevation relative to Mean Sea Level. Architectural Finish Floor (100'-0" datum) is equal to Civil FFE.
2. Dimensions on Floor Plans are to face of stud or CMU unless noted otherwise.
3. Coordinate the location of electrical devices with casework, millwork, lockers, etc. Any electrical device that is not properly coordinated shall be relocated at no additional cost.
4. Exterior wall construction is identified on the Wall Sections. Refer to the A'4-series sheets for Wall Sections, and to A14.30, A24.30, A34.30 for Exterior Wall Assemblies.
5. Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
6. Refer to PARTITION TYPES (A12.21, A22.21, A32.21) for Partition Types Legend.
7. Interior partitions are Type "P6" unless noted otherwise.
8. Refer to Detail 4/A0.31 for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
9. Refer to PARTITION DETAILS sheets for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
10. Refer to PARTITION DETAILS sheets for Typical Bracing at Non-Loadbearing CMU Partitions.
11. Refer to Exterior Elevations for exact locations of downspouts.
12. Provide factory bullnose units at all interior exposed vertical edges of CMU, except at starter course with applied base material where square-edge units shall be provided in lieu of bullnose units.
13. Provide 4" starter courses at all CMU walls and partitions unless noted otherwise.
14. Provide steel or masonry lintels over all openings in CMU walls, including those required for mechanical ductwork and dampers, whether specifically indicated on the drawings or not.
15. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
16. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
17. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
18. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
19. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to CASEWORK ELEVATIONS & DETAILS sheets for typical blocking requirements at various conditions.
20. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
21. Provide sealant and/or fire safing at all floor penetrations, as applicable.
22. Existing equipment to remain U.N.O. Contractor to relocate equipment as needed to complete new construction. Contractor shall reinstall equipment upon completion of construction. All equipment to be in as good or better working condition as prior to the start of construction.

FLOOR PLAN LEGEND

	METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Floor Plan Notes. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.
	CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.
	EXISTING WALL TO REMAIN.
WIDTH / DEPTH	MOVEABLE METAL SHELVING. Depth and Width dimensions match that of this legend, unless otherwise noted.
	FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.
MB	MARKERBOARD. Preceding number is length, in feet.
-SL	WITH HALF STAFF LINES
TB	TACKBOARD. Preceding number is length, in feet.
TS	TACK STRIP. Preceding number is length, in feet.
IM	INTERACTIVE MARKERBOARD
EX-	EXISTING
IFP	INTERACTIVE FLAT PANEL
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
FHC	FIRE HOSE CABINET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
DS	DOWNSPOUT

KEYNOTE LEGEND

M4	RELOCATED INSTRUMENT STORAGE RACK.
M6	EXISTING MOBILE INTERACTIVE MARKERBOARD.
M11	EXISTING CHORAL RISERS TO REMAIN.
M18	RELOCATED CASEWORK.

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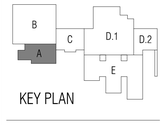
ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

KEY PLAN



03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch.	
TQ	

PROJECT NO.

24-010.00

SHEET TITLE

TRUITT - UNIT A FLOOR PLAN - LEVEL ONE

SHEET NO.

A32.11A

2024 Cook, Labay & Truitt MS Renovations

1 UNIT "C" PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

FLOOR PLAN NOTES

1. Refer to Civil Grading drawings for Primary Ground Level floor elevation relative to Mean Sea Level. Architectural Finish Floor (100'-0" datum) is equal to Civil FFE.
2. Dimensions on Floor Plans are to face of stud or CMU unless noted otherwise.
3. Coordinate the location of electrical devices with casework, millwork, lockers, etc. Any electrical device that is not properly coordinated shall be relocated at no additional cost.
4. Exterior wall construction is identified on the Wall Sections. Refer to the A' '4- series sheets for Wall Sections, and to A14.30, A24.30, A34.30 for Exterior Wall Assemblies.
5. Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
6. Refer to PARTITION TYPES (A12.21, A22.21, A32.21) for Partition Types Legend.
7. Interior partitions are Type "P6" unless noted otherwise.
8. Refer to Detail 4/A0.31 for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
9. Refer to PARTITION DETAILS sheets for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
10. Refer to PARTITION DETAILS sheets for Typical Bracing at Non-Loadbearing CMU Partitions.
11. Refer to Exterior Elevations for exact locations of downspouts.
12. Provide factory bullnose units at all interior exposed vertical edges of CMU, except at starter course with applied base material where square-edge units shall be provided in lieu of bullnose units.
13. Provide 4" starter courses at all CMU walls and partitions unless noted otherwise.
14. Provide steel or masonry lintels over all openings in CMU walls, including those required for mechanical ductwork and dampers, whether specifically indicated on the drawings or not.
15. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
16. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
17. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
18. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
19. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to CASEWORK ELEVATIONS & DETAILS sheets for typical blocking requirements at various conditions.
20. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
21. Provide sealant and/or fire safing at all floor penetrations, as applicable.
22. Existing equipment to remain U.N.O. Contractor to relocate equipment as needed to complete new construction. Contractor shall reinstall equipment upon completion of construction. All equipment to be in as good or better working condition as prior to the start of construction.

FLOOR PLAN LEGEND

METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Floor Plan Notes. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

EXISTING WALL TO REMAIN.

WIDTH / HEIGHT / DEPTH

MOVEABLE METAL SHELVING. Depth and Width dimensions match that of this legend, unless otherwise noted.

FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

MB	MARKERBOARD. Preceding number is length, in feet.
-SL	WITH HALF STAFF LINES
TB	TACKBOARD. Preceding number is length, in feet.
TS	TACK STRIP. Preceding number is length, in feet.
IM	INTERACTIVE MARKERBOARD
EX-	EXISTING
IFP	INTERACTIVE FLAT PANEL
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
FHC	FIRE HOSE CABINET
HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
DS	DOWNSPOUT

KEYNOTE LEGEND

M16	RELOCATED SAFE.

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

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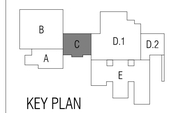

KEY PLAN

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
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PROJECT NO.

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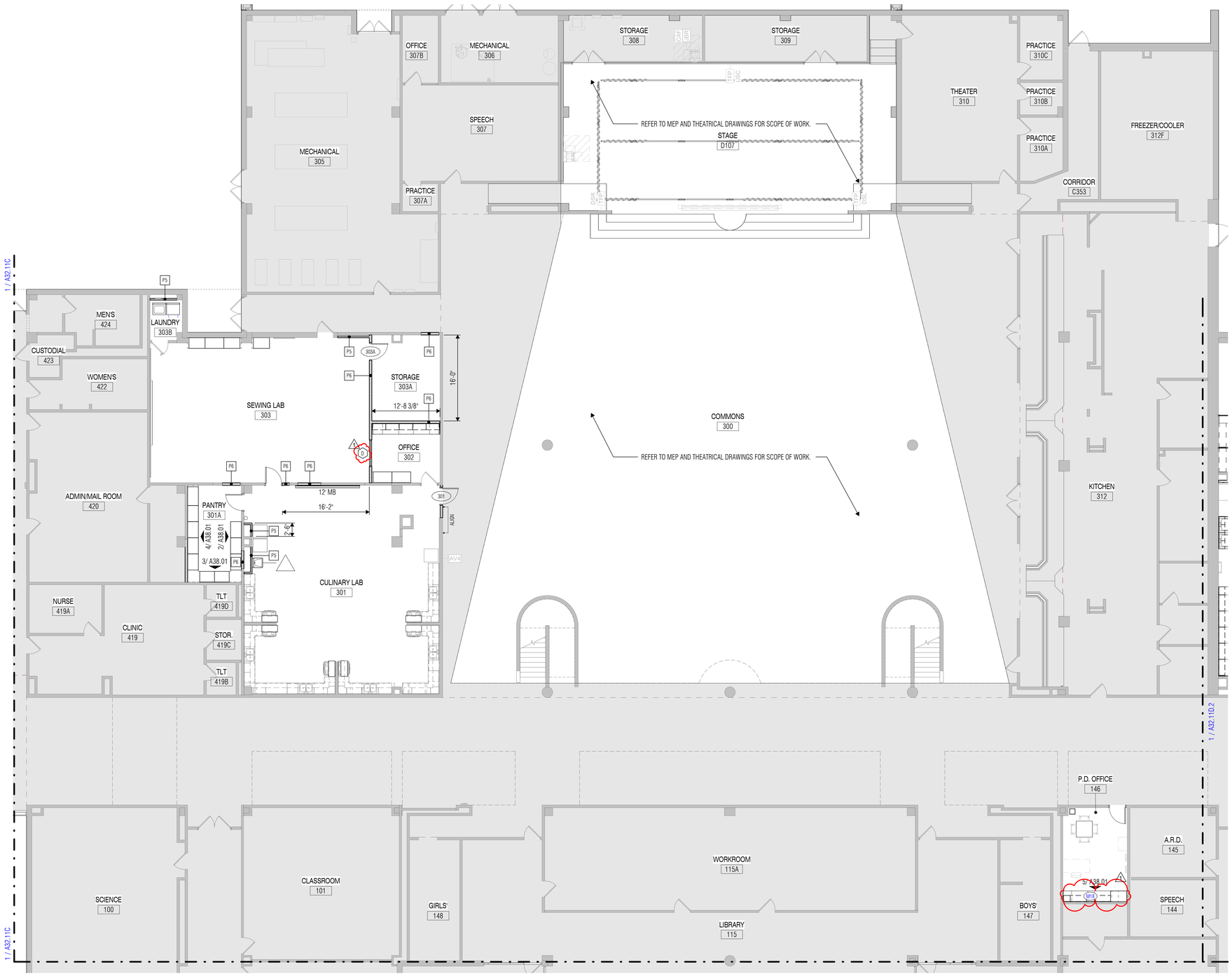
SHEET TITLE

TRUITT - UNIT C FLOOR PLAN - LEVEL ONE

SHEET NO.

A32.11C

2024 Cook, Labay & Truitt MS Renovations



1 UNIT "D.1" PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

FLOOR PLAN NOTES

1. Refer to Civil Grading drawings for Primary Ground Level floor elevation relative to Mean Sea Level. Architectural Finish Floor (100'-0" datum) is equal to Civil FFE.
2. Dimensions on Floor Plans are to face of stud or CMU unless noted otherwise.
3. Coordinate the location of electrical devices with casework, millwork, lockers, etc. Any electrical device that is not properly coordinated shall be relocated at no additional cost.
4. Exterior wall construction is identified on the Wall Sections. Refer to the A'4-series sheets for Wall Sections, and to A14.30, A24.30, A34.30 for Exterior Wall Assemblies.
5. Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
6. Refer to PARTITION TYPES (A12.21, A22.21, A32.21) for Partition Types Legend.
7. Interior partitions are Type "P6" unless noted otherwise.
8. Refer to Detail 4/A0.31 for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
9. Refer to PARTITION DETAILS sheets for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
10. Refer to PARTITION DETAILS sheets for Typical Bracing at Non-Loadbearing CMU Partitions.
11. Refer to Exterior Elevations for exact locations of downspouts.
12. Provide factory bullnose units at all interior exposed vertical edges of CMU, except at starter course with applied base material where square-edge units shall be provided in lieu of bullnose units.
13. Provide 4" starter courses at all CMU walls and partitions unless noted otherwise.
14. Provide steel or masonry lintels over all openings in CMU walls, including those required for mechanical ductwork and dampers, whether specifically indicated on the drawings or not.
15. Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
16. Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
17. Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
18. At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
19. Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to CASEWORK ELEVATIONS & DETAILS sheets for typical blocking requirements at various conditions.
20. At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
21. Provide sealant and/or fire safing at all floor penetrations, as applicable.
22. Existing equipment to remain U.N.O. Contractor to relocate equipment as needed to complete new construction. Contractor shall reinstall equipment upon completion of construction. All equipment to be in as good or better working condition as prior to the start of construction.

FLOOR PLAN LEGEND

METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Floor Plan Notes. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.

EXISTING WALL TO REMAIN.

MOVEABLE METAL SHELVING. Depth and Width dimensions match that of this legend, unless otherwise noted.

FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.

MB	MARKERBOARD. Preceding number is length, in feet.
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TB	TACKBOARD. Preceding number is length, in feet.
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IM	INTERACTIVE MARKERBOARD
EX-	EXISTING
IFP	INTERACTIVE FLAT PANEL
FEC	FIRE EXTINGUISHER WITH CABINET AND BRACKET
FE	FIRE EXTINGUISHER WITH BRACKET
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HB	HORIZONTAL BLINDS
RS	ROLLING WINDOW SHADES
DS	DOWNSPOUT

KEYNOTE LEGEND

M18	RELOCATED CASEWORK.

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Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

KEY PLAN

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch.	
TQ	

PROJECT NO.

24-010.00

SHEET TITLE

TRUITT - UNIT D.1 FLOOR PLAN - LEVEL ONE

SHEET NO.

A32.11D.1

2024 Cook, Labay & Truitt MS Renovations

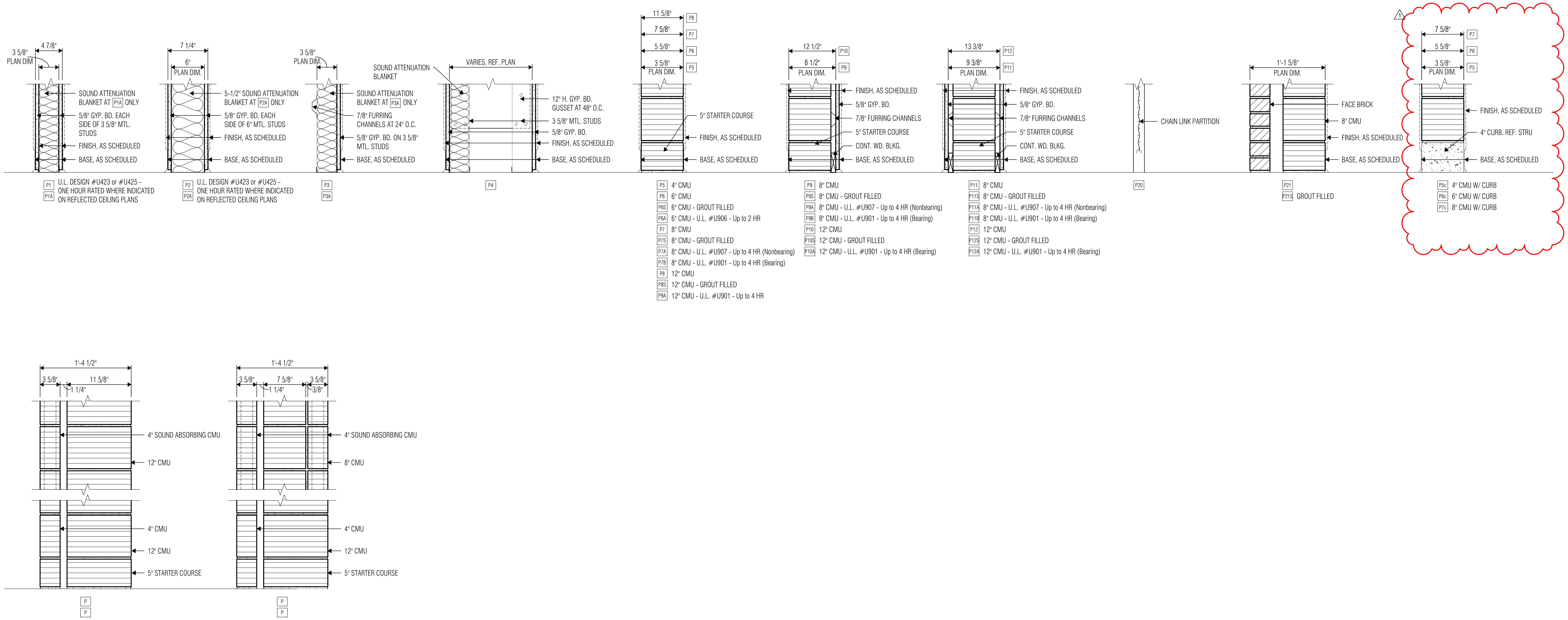
PARTITION NOTES

1. Refer to Floor Plan Notes for additional metal stud requirements at Ceramic Tile, Plaster, Anchored Masonry or Stone Veneer, and Adhered Masonry or Stone Veneer.
2. Refer to Floor Plan Notes for CMU starter course requirements.
3. Refer to Sheet A`2.22 for typical partition details.
4. Refer to Reflected Ceiling Plans for location of fire rated partitions.
5. Refer to Reflected Ceiling Plans for location of non-rated partitions that extend to the structural deck above.
6. Provide firestopping as required to achieve the fire-resistive rating at all penetrations, gaps and other openings through or around rated floors, roofs, walls and partitions.
7. At all rated and acoustical partitions that extend to structural deck above, seal to the floor below and to the structure above. Provide firestopping at rated partitions, and acoustical sealant at acoustical and sound conditioned other partitions.
8. At all partitions that extend to structural deck above, provide gypsum board enclosure around beams, joists, ducts, etc. as required to maintain fire-resistive ratings and acoustical requirements.
9. Typical CMU notes, unless otherwise noted on structural drawings:
   A. Provide steel bracing as shown on Sheet A`2.2__.
   B. Provide continuous bond beam with (2) #4 reinforcing bars at top course of all 6" and 8" CMU partitions, whether indicated on details or not.
10. 4" CMU shall not be used for interior partitions, except at chase walls where specifically indicated.

STUD PARTITION SIZING SCHEDULE

STUD DEPTH	STUD SPACING	STUD GAGE	EQ STUD	MAX LENGTH	MAX LENGTH (at Tile/Plaster)
3-5/8"	16" O.C	25 (18 mils)	25EQ	15'-6"	N/A
3-5/8"	16" O.C	20 (30 mils)	20EQ	16'-0"	14'-0"
6"	16" O.C	25 (18 mils)	25EQ	21'-6"	N/A
6"	16" O.C	20 (30 mils)	20EQ	22'-6"	19'-6"

NOTES:
1. All doors shall have a minimum of 20 gage framing where required by specifications.
2. See Floor Plan Notes and Partition Notes for additional metal stud requirements at ceramic tile, plaster, anchored masonry/stone veneer, or adhered masonry/stone veneer.
3. Max. Lengths assume both sides of studs braced full-height of partition.
4. Max. Lengths are based on 5 psf lateral loading and L/240 deflection (L/360 at tile/plaster).
5. Equivalent (EQ) studs are not allowable at abuse-resistant or impact-resistant gyp board. Provide true 20 gage studs with minimum 0.0312 inches design thickness at these locations.



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

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ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

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HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT · STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

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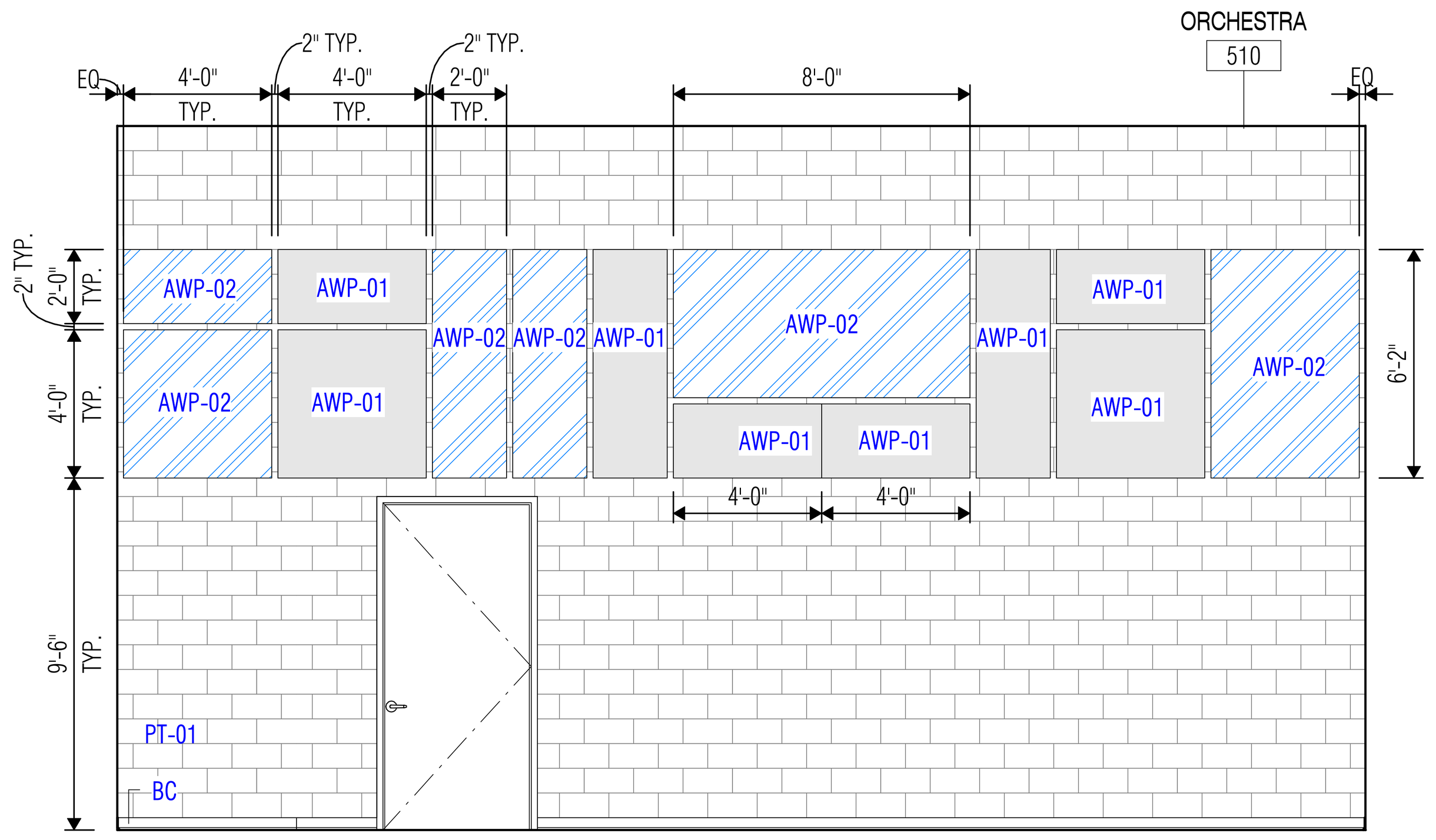
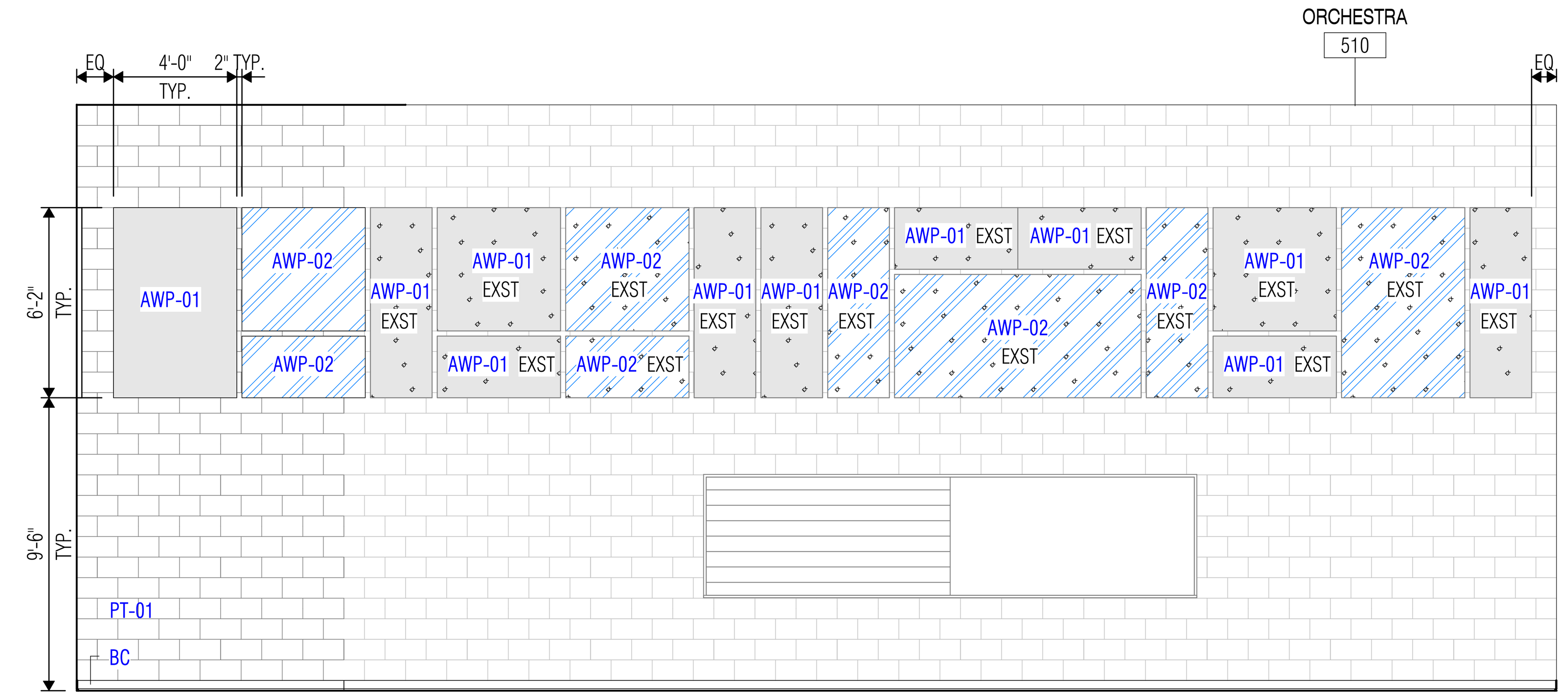
SHEET TITLE
TRUITT - PARTITION TYPES

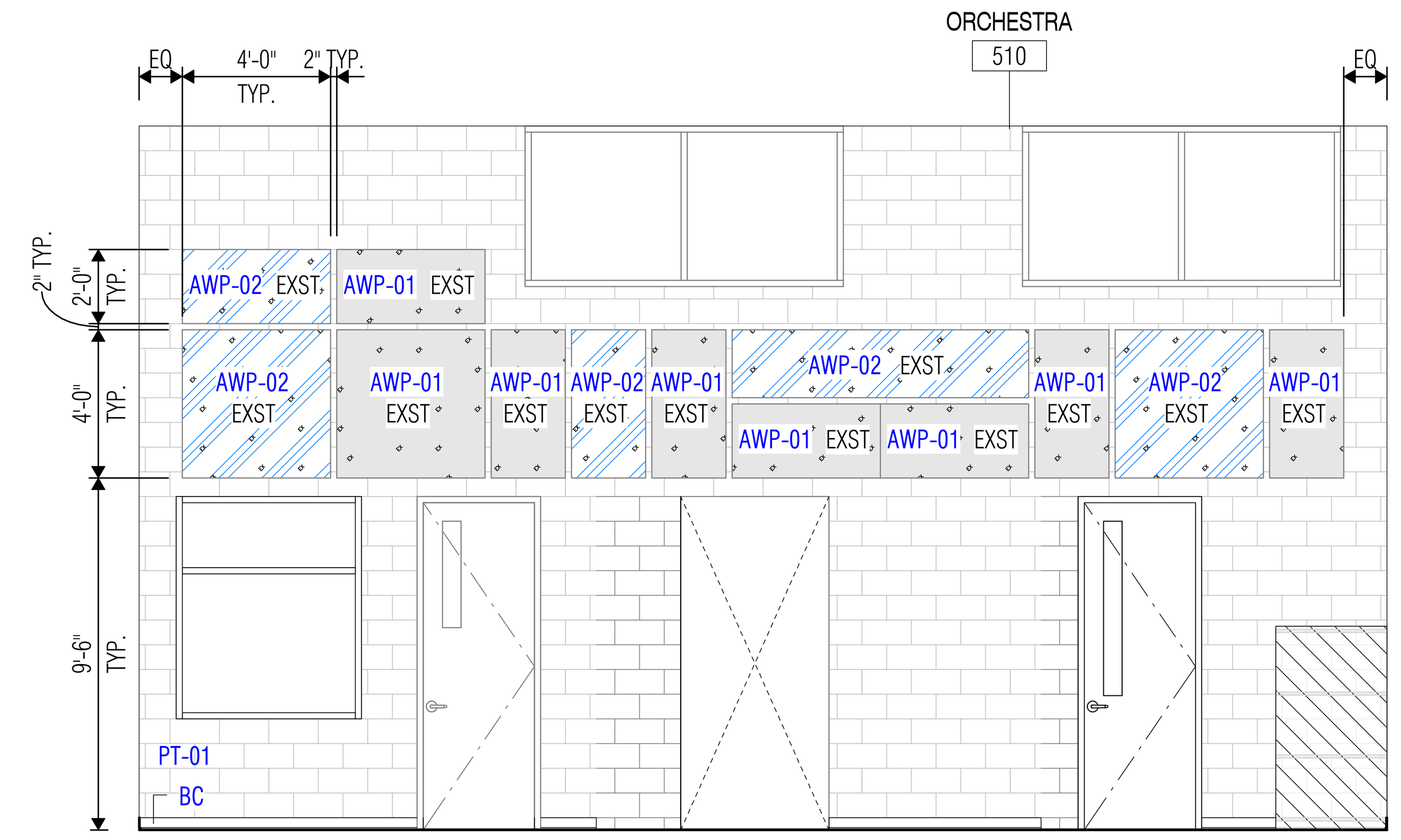
SHEET NO.
A32.21



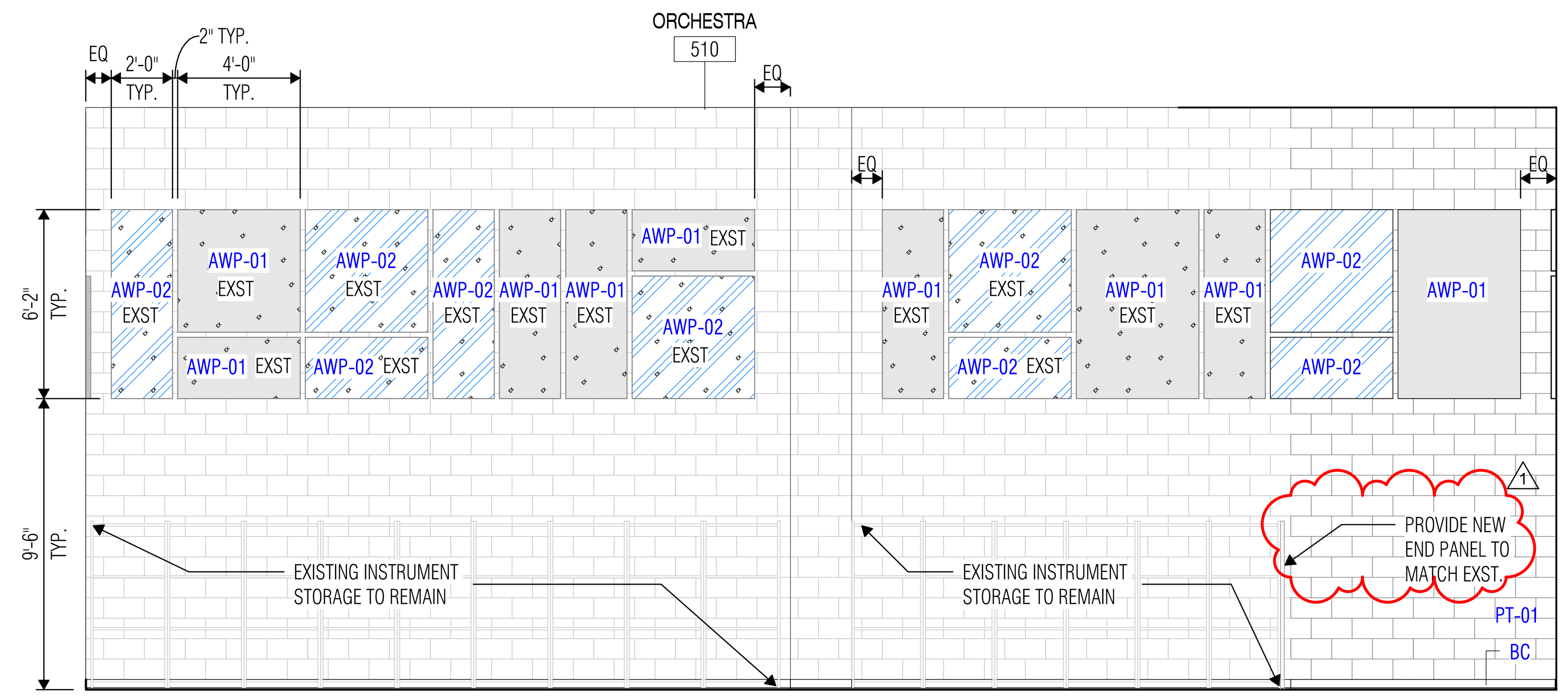
1 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



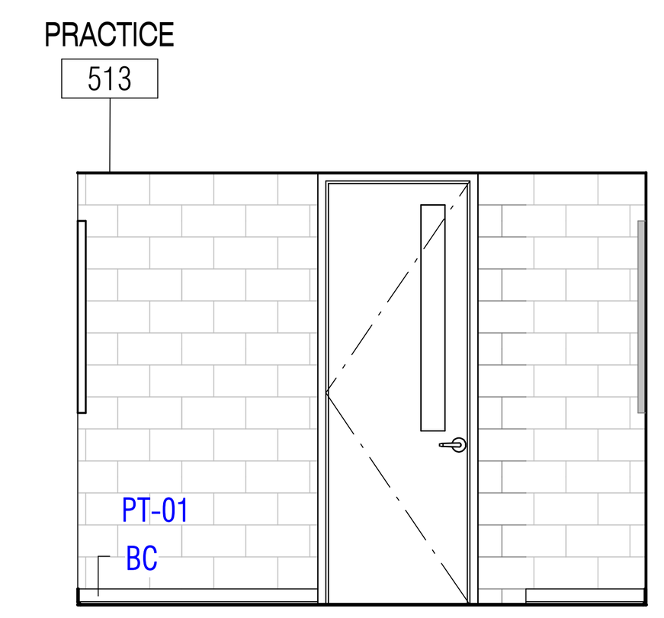
2 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



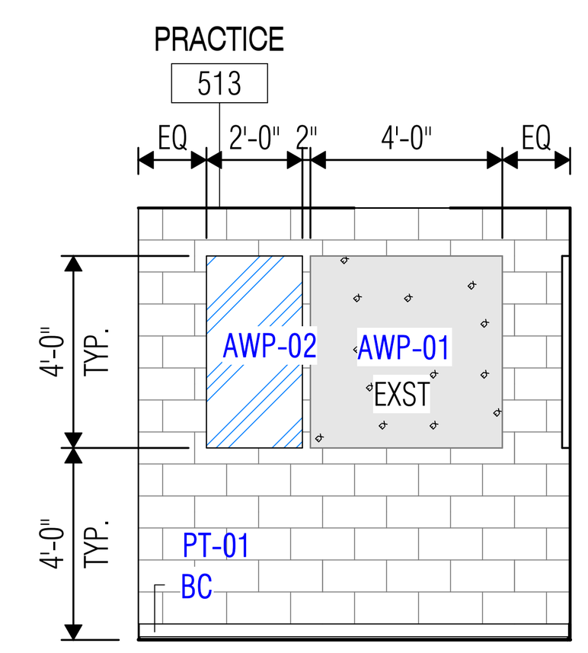
3 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



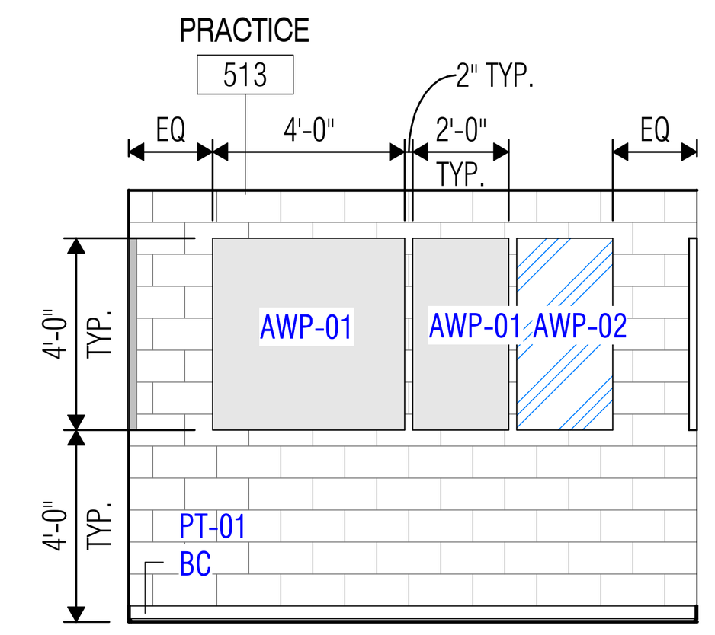
4 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



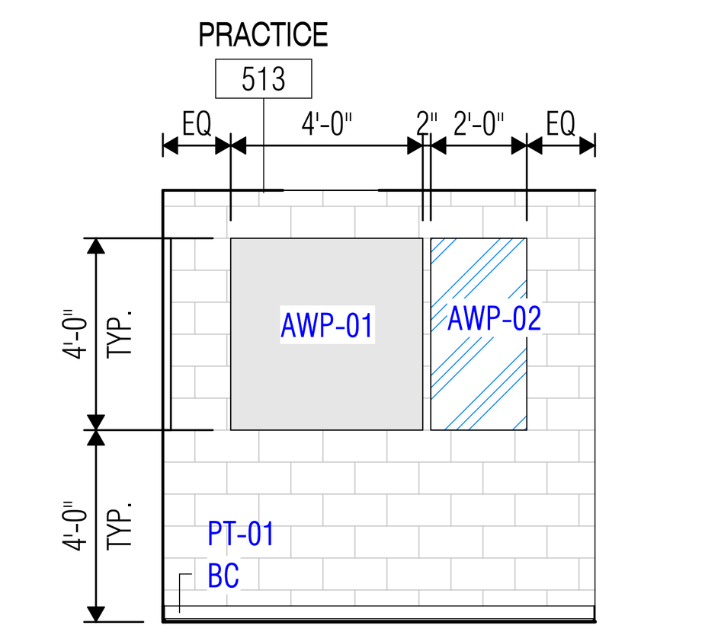
5 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



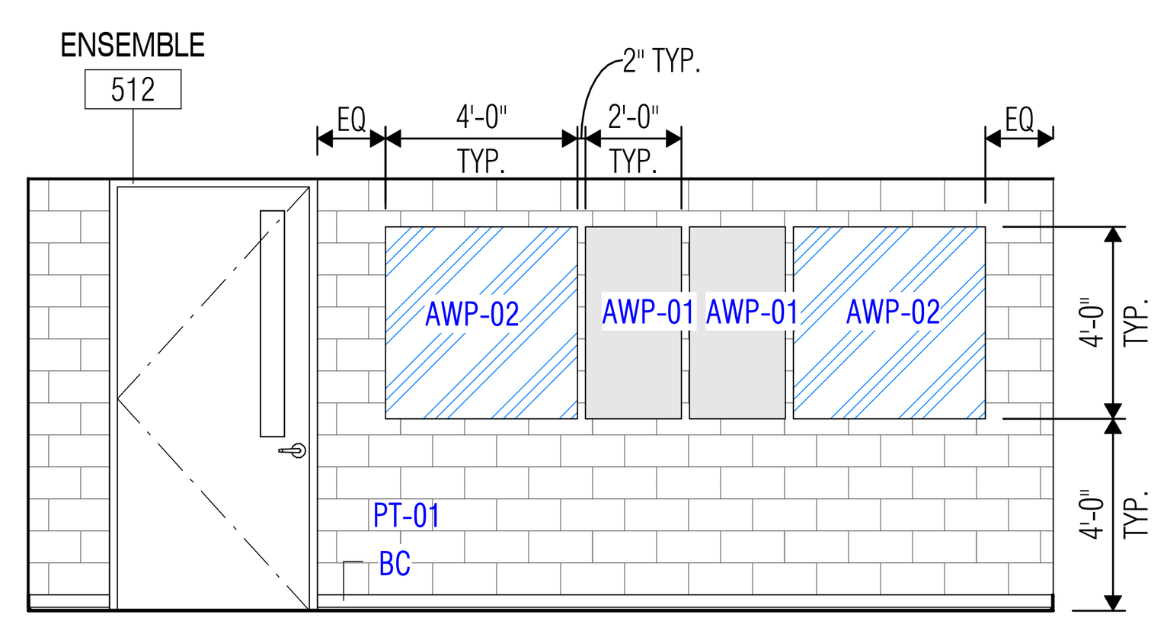
6 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



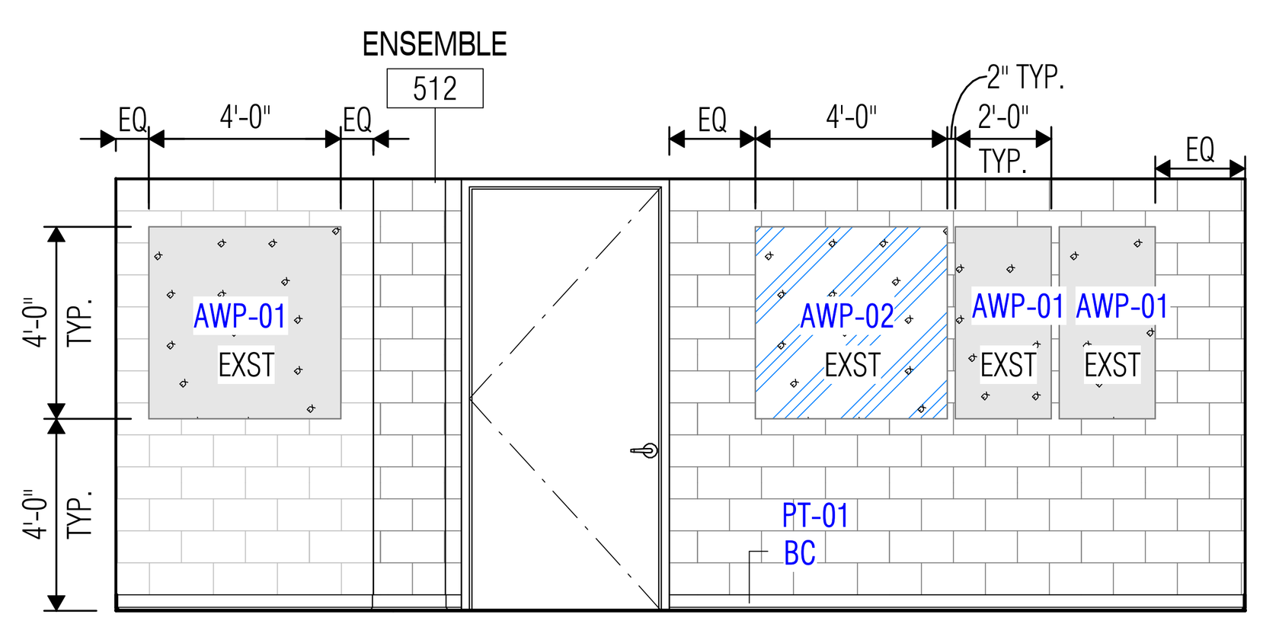
7 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



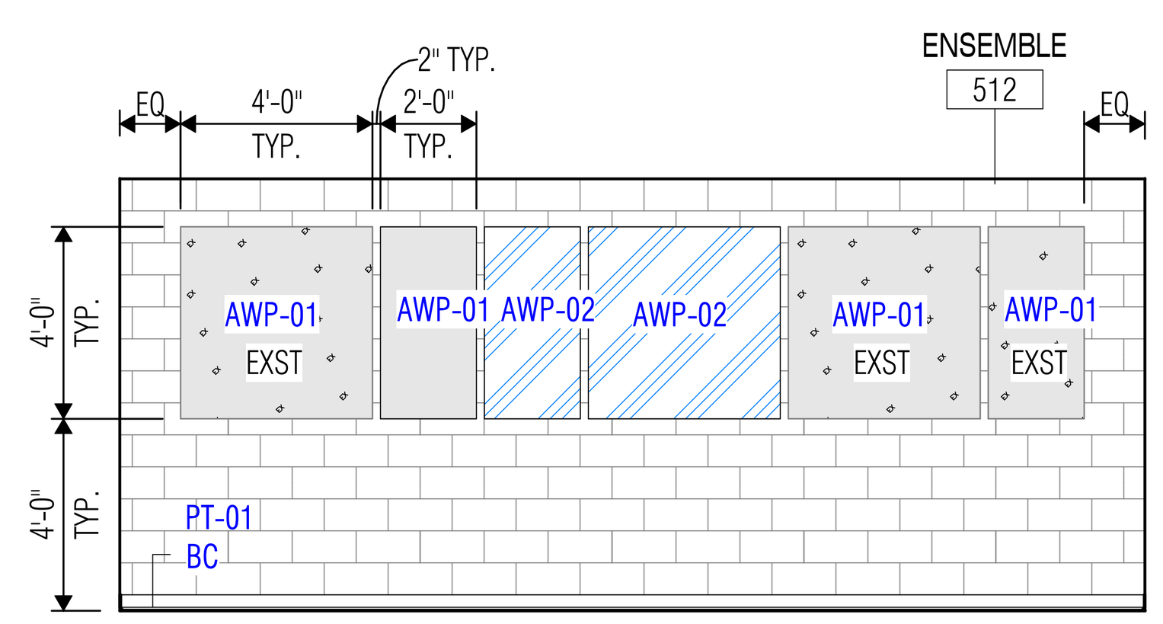
8 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



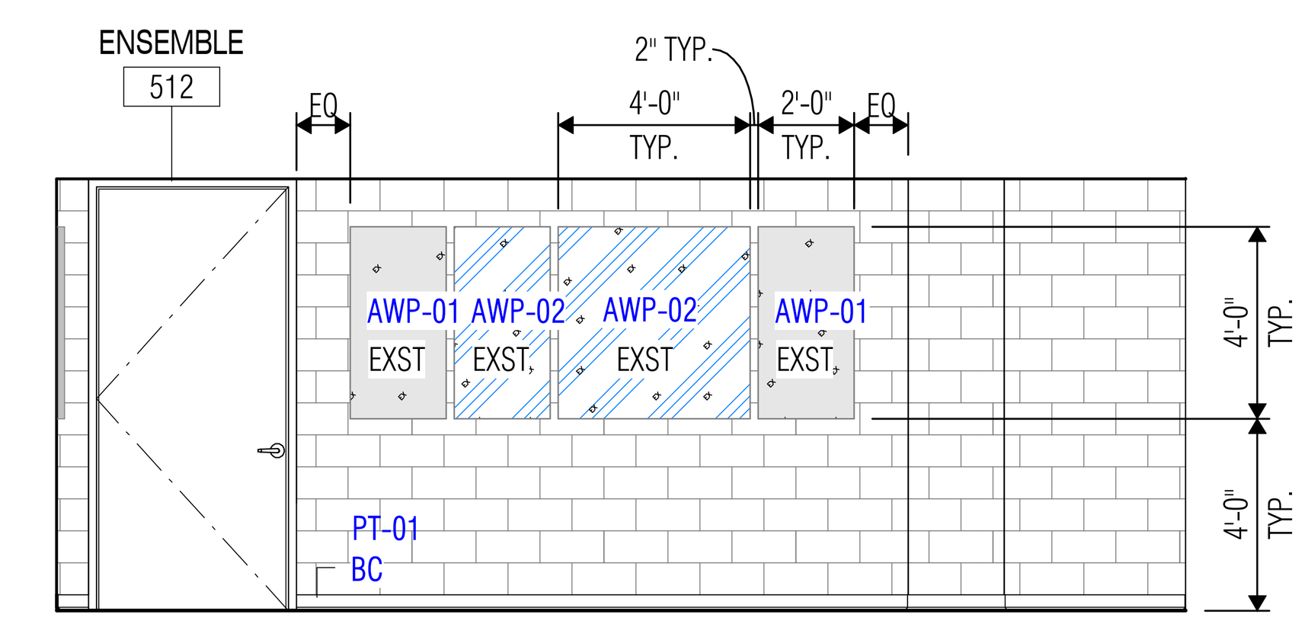
9 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



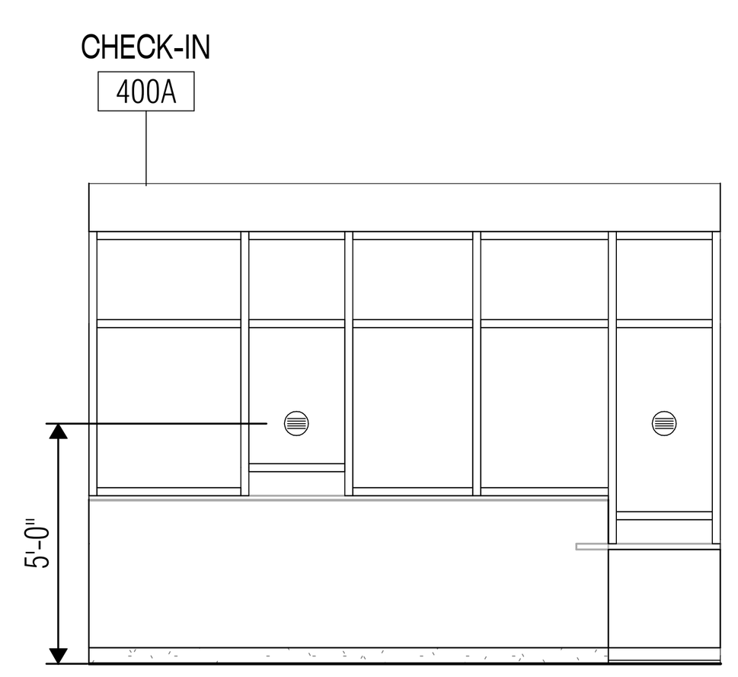
10 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



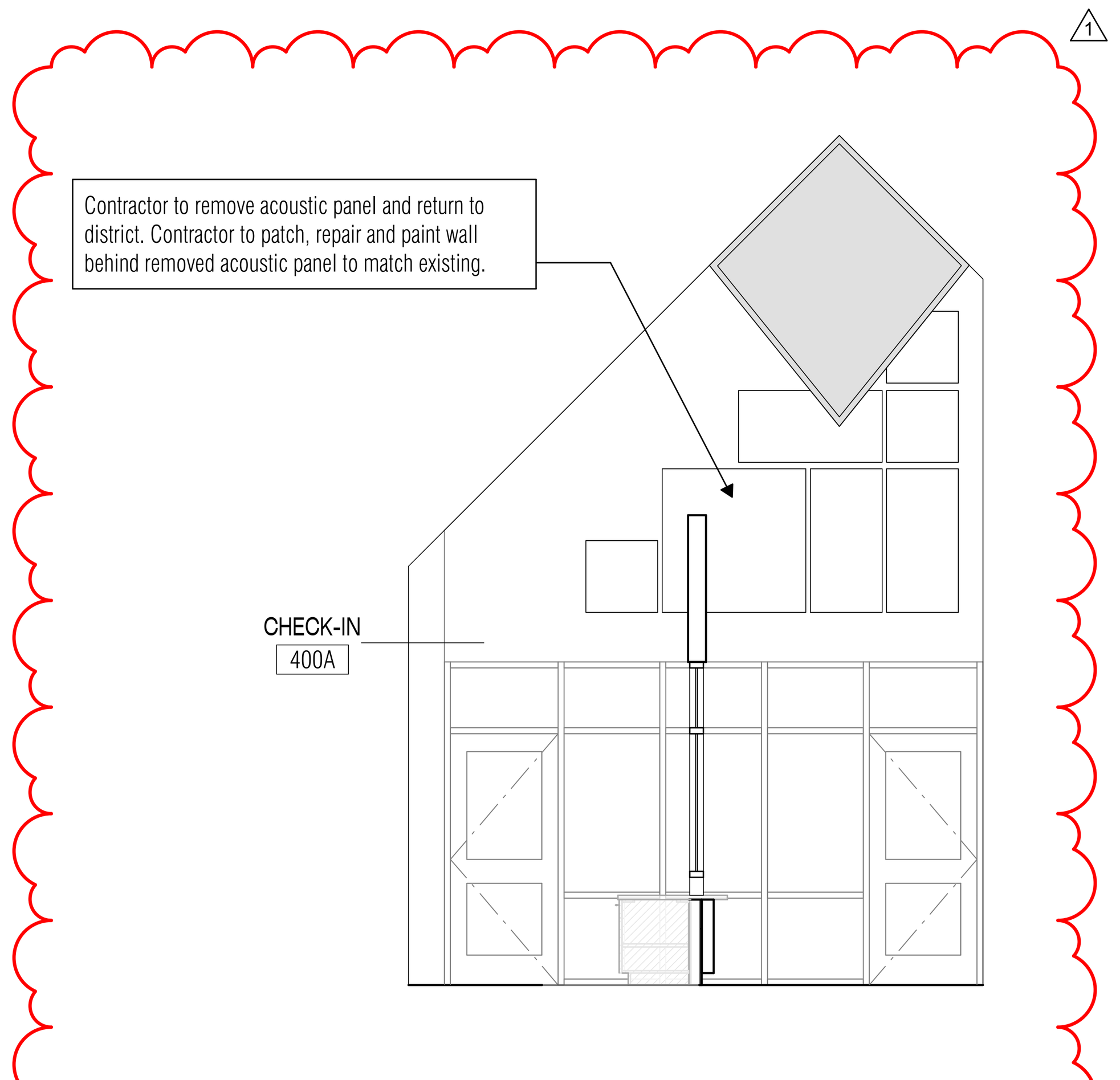
11 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



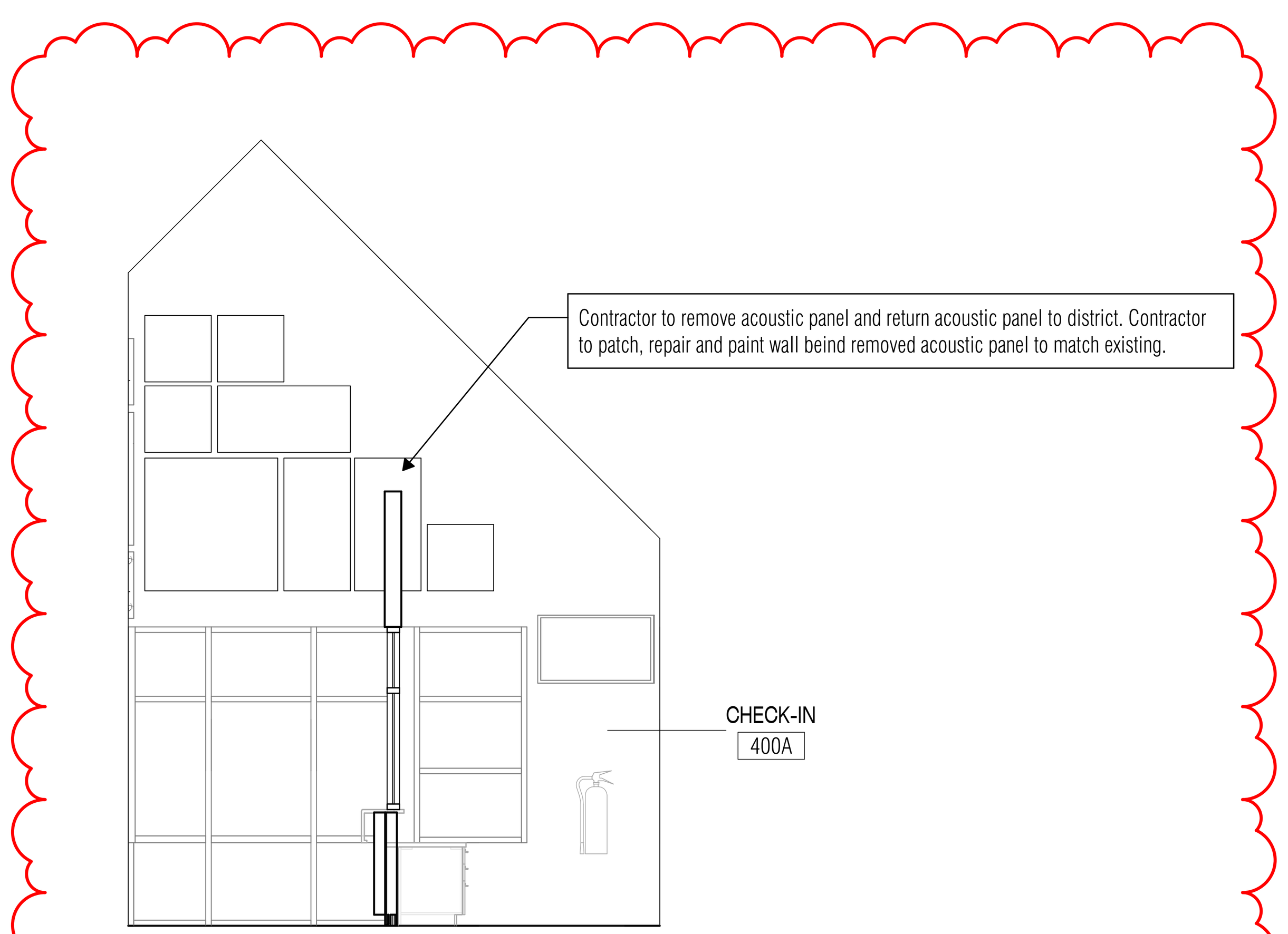
12 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



13 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



14 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



15 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

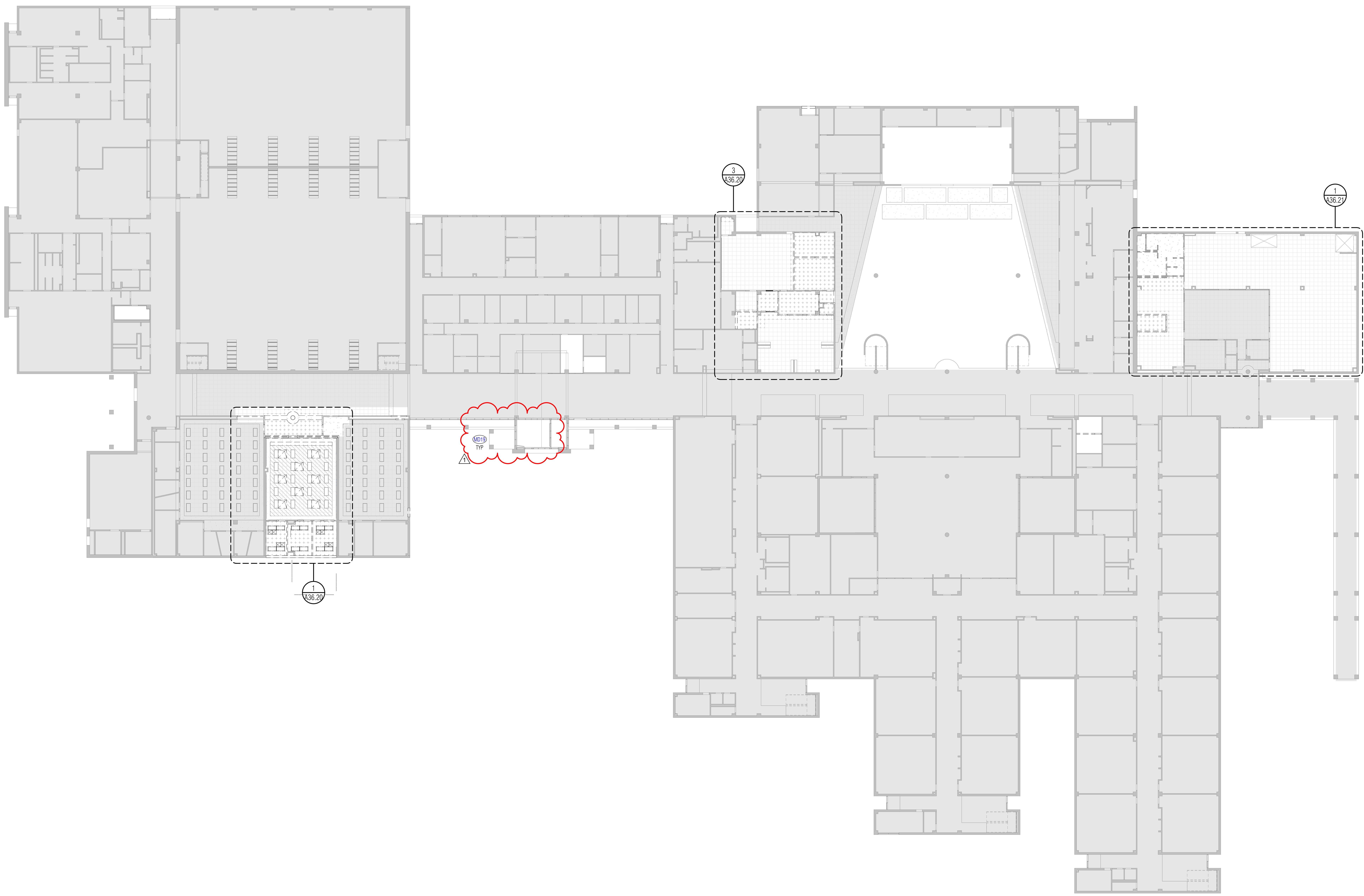
PROJECT NO.
24-010.00

SHEET TITLE
TRUITT - INTERIOR ELEVATIONS

SHEET NO.
A33.31

KEYNOTE LEGEND

MD19	CAREFULLY REMOVE STORE AND PROTECT ACOUSTIC PANELS. PREPARE AREA FOR NEW CONSTRUCTION.



1 DEMOLITION REFLECTED CEILING PLAN - LEVEL ONE
SCALE: 3/64" = 1'-0"

REFLECTED CEILING PLAN NOTES

1. All new ceiling heights shall be 9'-0" A.F.F. unless noted otherwise.
2. Where new ceilings are connected to existing ceilings, match existing ceiling height unless nothed otherwise.
3. Refer to A' '6.22 for Typical Gypsum Board Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. Provide venting strips or perforated panels at perimeter of all non-insulated metal panel soffits (refer to Detail _/A6.__). Venting at non-insulated soffits shall be provided whether specifically indicated on the drawings or not.
5. Provide partition to deck (PTD) at walls surrounding spaces with exposed structure. Refer to Reflected Ceiling Plan Legend for PTD requirements.
6. Provide hold-down clips for all acoustic lay-in ceiling panels at vestibules, at sloped ceilings, at fire-rated ceilings, and within 6 feet of exterior doors without vestibules.
7. At ceiling furring details, the suspended assemblies, bracing, blocking, etc. shown on the details are for schematic representation only. Provide stable, secure and permanent assemblies at these locations in accordance with recommended light-gage steel framing installation practices.
8. At partitions that do not extend to deck above, extend partition 4" minimum above highest adjacent ceiling and brace per Floor Plan Legend and Floor Plan Notes.
9. Contractor shall locate new ceiling grid according to the architectural reflected ceiling plans. Contractor shall locate equipment locations shown on consultant drawings accordingly.
10. Contractor to locate new equipment centered in ceiling tiles. Notify Architect of any discrepancies.

REFLECTED CEILING PLAN LEGEND

EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

CEILINGS:

	EXISTING ACOUSTIC LAY-IN CEILING TILE TO REMAIN
ACT-01	ACOUSTIC LAY-IN CEILING TILE 24" X 24"
ACT-02	EXISTING GRID TO REMAIN, NEW ACOUSTIC LAY-IN CEILING TILE, HIGH NRC 24" X 24"
ACT-03	ACOUSTIC LAY-IN CEILING TILE, HIGH NRC 24" X 24"
	EXISTING GYPSUM BOARD CEILING TO REMAIN
PT-01	5/8" GYPSUM BOARD CEILING PAINTED PT-01, U.N.O.
AP	PYRAMID CEILING DIFFUSER PANELS (SIZE)
	LIGHT FIXTURES. Refer to Electrical Drawings.
	SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.
P-C	CEILING MOUNTED PROJECTOR
M-C	CEILING MOUNTED MONITOR

PARTITION LEGEND

1HR	1-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*1-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.
2HR	2-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*2-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.
SMK	SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.
SND	ACOUSTICAL DRYWALL PARTITION / SOUND-CONDITIONED CMU PARTITION. Extend partition to deck above and seal with acoustical sealant. Seal all joints and penetrations with acoustical sealant. Brace partitions per Floor Plan General Notes.
PTD	NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.

VLK | ARCHITECTS

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Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

KEY PLAN
B, C, D.1, D.2, A, E

REGISTERED ARCHITECT – STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

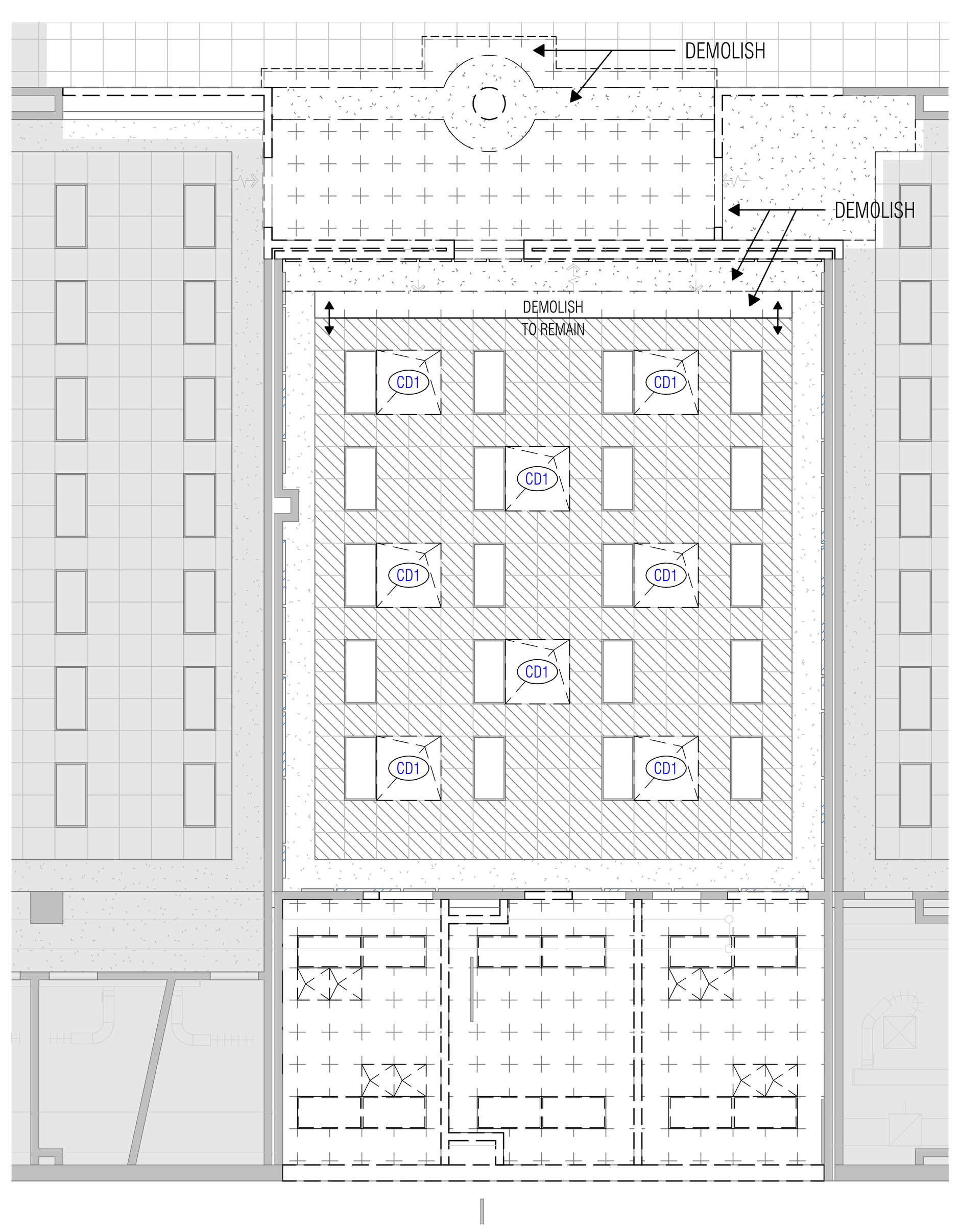
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ	Drawn By: STH, KM
Designer	Quality Control
Proj. Arch.: TQ	

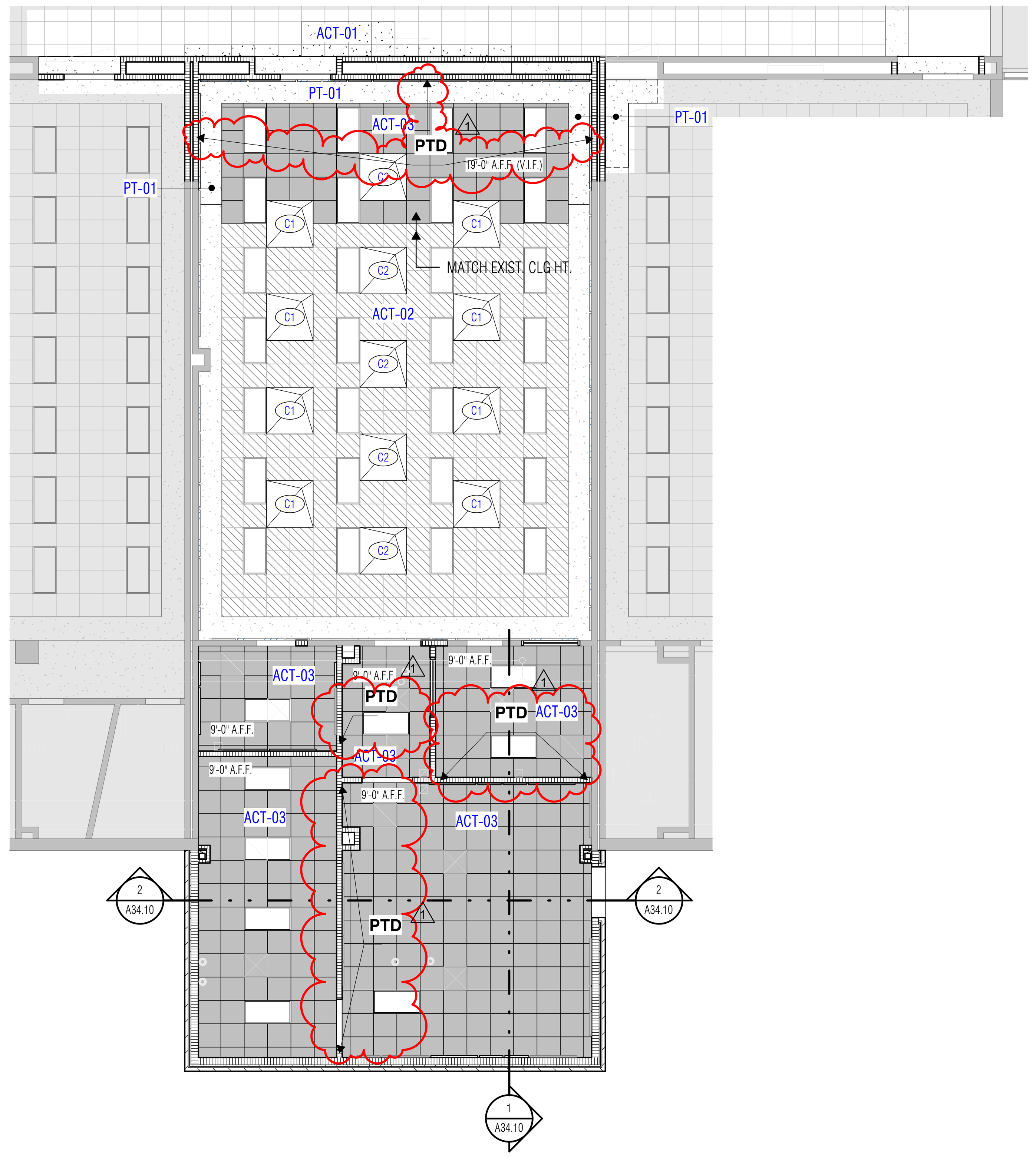
PROJECT NO.
24-010.00

SHEET TITLE
TRUITT - DEMOLITION REFLECTED CEILING PLAN - LEVEL ONE

SHEET NO.
A36.01

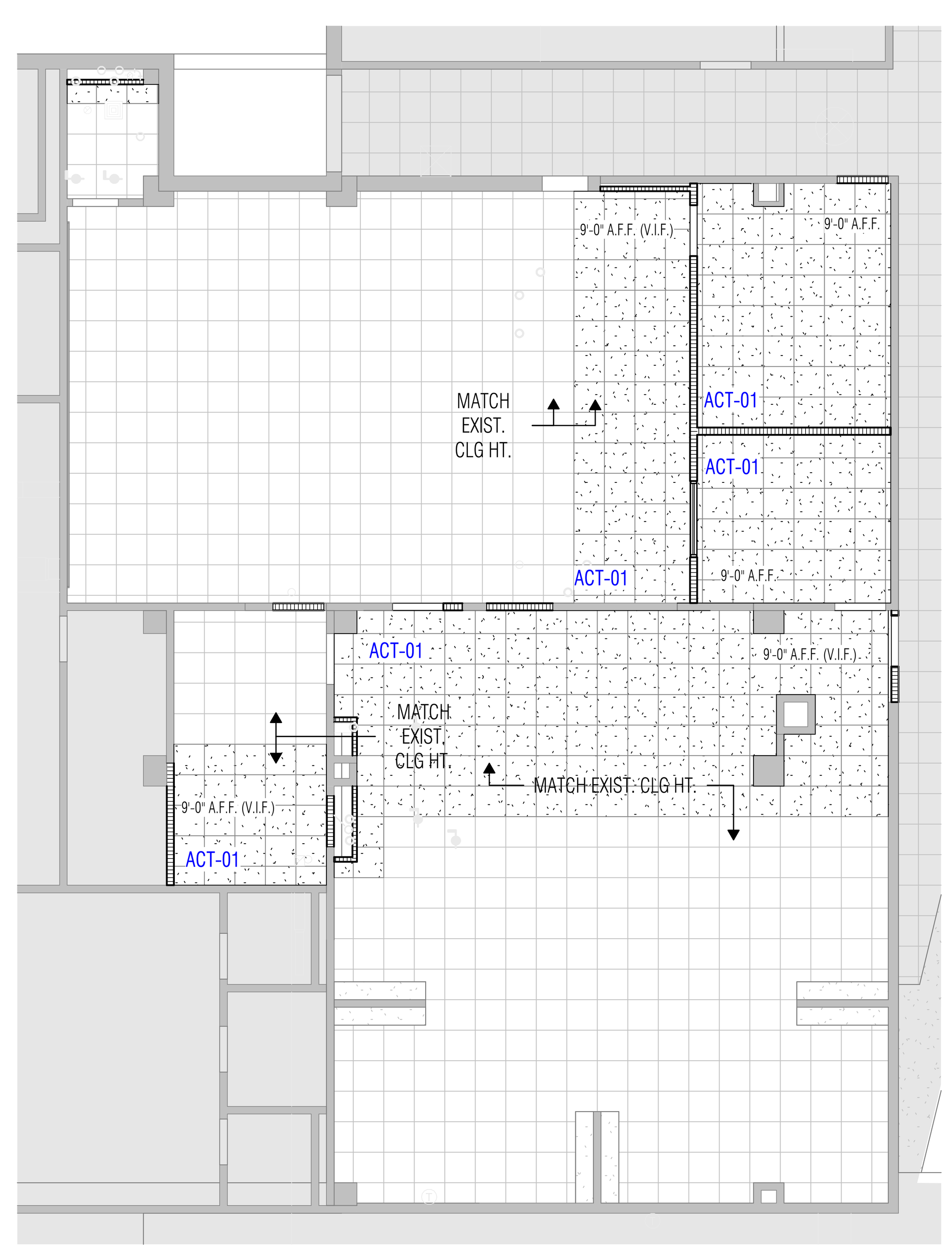


1 TRUITT ORCH ENLG DEMO RCP
SCALE: 1/8" = 1'-0"



2 ORCHESTRA ADDITION ENLARGED RCP
SCALE: 1/8" = 1'-0"

3 FCS RENOVATION ENLARGED DEMOLITION RCP
SCALE: 1/8" = 1'-0"



4 FCS RENOVATION ENLARGED RCP
SCALE: 1/8" = 1'-0"

DEMOLTION REFLECTED CEILING PLAN LEGEND

ITEMS TO BE DEMOLISHED (RE: DEMOLITION PLANS FOR MORE INFORMATION

AREAS EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

CEILINGS:

EXISTING ACOUSTIC LAY-IN CEILING TILE TO BE DEMOLISHED

EXISTING ACOUSTIC LAY-IN CEILING TILE TO REMAIN

CAREFULLY REMOVE, PROTECT AND STORE EXISTING CEILING TILES FOR RELOCATION TO NEW AREAS. PROTECT EXISTING GRID IN PLACE AND PREPARE TO RECIEVE NEW TILES. REFER TO RCPS FOR MORE INFORMATION

KEYNOTE LEGEND

C1	RELOCATED EXISTING CEILING PYRAMID SOUND DIFFUSER
C2	NEW CEILING PYRAMID SOUND DIFFUSER TO MATCH EXISTING.
CD1	CAREFULLY REMOVE AND PROTECT EXISTING PYRAMID DIFFUSERS. PREPARE FOR RELOCATION (RE: NEW CONSTRUCTION REFLECTED CEILING PLAN).

REFLECTED CEILING PLAN NOTES

1. All new ceiling heights shall be 9'-0" A.F.F. unless noted otherwise.
2. Where new ceilings are connected to existing ceilings, match existing ceiling height unless nothed otherwise.
3. Refer to A' '6.22 for Typical Gypsum Board Ceiling Control Joint Detail.
4. Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. Provide venting strips or perforated panels at perimeter of all non-insulated metal panel soffits (refer to Detail _/A6.__). Venting at non-insulated soffits shall be provided whether specifically indicated on the drawings or not.
5. Provide partition to deck (PTD) at walls surrounding spaces with exposed structure. Refer to Reflected Ceiling Plan Legend for PTD requirements.
6. Provide hold-down clips for all acoustic lay-in ceiling panels at vestibules, at sloped ceilings, at fire-rated ceilings, and within 6 feet of exterior doors without vestibules.
7. At ceiling furring details, the suspended assemblies, bracing, blocking, etc. shown on the details are for schematic representation only. Provide stable, secure and permanent assemblies at these locations in accordance with recommended light-gage steel framing installation practices.
8. At partitions that do not extend to deck above, extend partition 4" minimum above highest adjacent ceiling and brace per Floor Plan Legend and Floor Plan Notes.
9. Contractor shall locate new ceiling grid according to the architectural reflected ceiling plans. Contractor shall locate equipment locations shown on consultant drawings accordingly.
10. Contractor to locate new equipment centered in ceiling tiles. Notify Architect of any discrepancies.

REFLECTED CEILING PLAN LEGEND

EXISTING TO REMAIN WITH LIMITED OR NO ARCHITECTURAL WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

CEILINGS:

EXISTING ACOUSTIC LAY-IN CEILING TILE TO REMAIN

ACT-01 ACOUSTIC LAY-IN CEILING TILE 24" X 24"

ACT-02 EXISTING GRID TO REMAIN, NEW ACOUSTIC LAY-IN CEILING TILE, HIGH NRC 24" X 24"

ACT-03 ACOUSTIC LAY-IN CEILING TILE, HIGH NRC 24" X 24"

EXISTING GYPSUM BOARD CEILING TO REMAIN

PT-01 5/8" GYPSUM BOARD CEILING PAINTED PT-01, U.N.O.

AP PYRAMID CEILING DIFFUSER PANELS (SIZE)

LIGHT FIXTURES. Refer to Electrical Drawings.

SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.

P-C CEILING MOUNTED PROJECTOR

M-C CEILING MOUNTED MONITOR

PARTITION LEGEND

1HR — 1-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*1-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.

2HR — 2-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: '*2-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*'. Brace partitions per Floor Plan General Notes.

SMK — SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.

SND — ACOUSTICAL DRYWALL PARTITION / SOUND-CONDITIONED CMU PARTITION. Extend partition to deck above and seal with acoustical sealant. Seal all joints and penetrations with acoustical sealant. Brace partitions per Floor Plan General Notes.

PTD — NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.

VLK | ARCHITECTS

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
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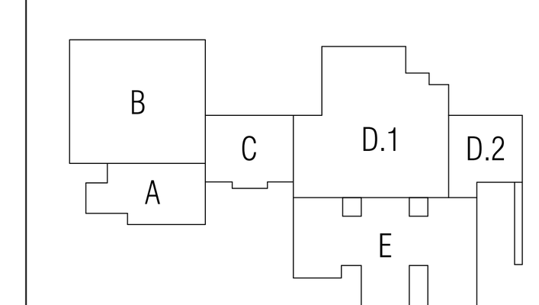

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PROJECT NO.
24-010.00

SHEET TITLE
TRUITT - ENLARGED REFLECTED CEILING PLANS

SHEET NO.
A36.20

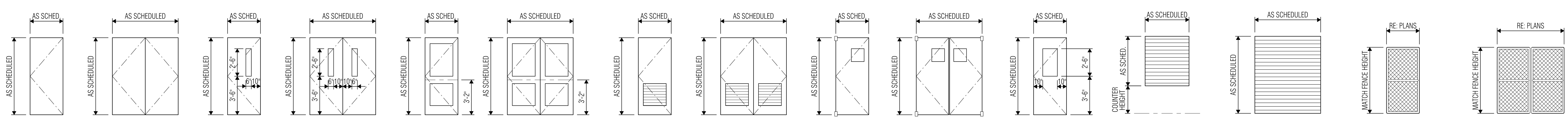
DOOR NUMBER	DOOR TYPE	FRAME TYPE	DOOR OPENING WIDTH	DOOR OPENING HEIGHT	FIRE RATING	HDWR SET	REMARKS
1	X-SFD		5'-10"	8'-10"		8.0	
2	X-SF		3'-0"	7'-0"		2.0	
5	X-F2		4'-0"	8'-10"		9.0	
6	X-FD2		6'-0"	8'-10"		9.0	
8	X-F2		3'-0"	8'-10"		9.0	
9	X-F2		3'-0"	8'-10"		9.0	
12	X-SFD		6'-0"	6'-9"		10.0	
13	X-FD2		6'-0"	8'-10"		7.0	
14	X-FD2		6'-0"	8'-10"		7.0	
15	X-SF		3'-0"	8'-7"		7.1	
16	X-SF		2'-11"	8'-9"		7.1	
17	X-FD2		6'-0"	8'-10"		5.0	
18	X-FD2		3'-8"	8'-10"		6.0	
19	X-NL2		4'-0"	8'-10"		11.0	
20	X-F2		3'-0"	8'-10"		13.0	
21.1	X-SFD		6'-0"	8'-10"		7.0	
22	X-SF		3'-0"	8'-7"		7.1	
23	X-SF		3'-0"	8'-7"		7.1	
24	X-SF		3'-0"	8'-7"		7.0	
25	X-SF		3'-0"	8'-7"		13.0	
100	X-NL2		3'-0"	8'-10"		20.0	
101	X-NL2		3'-0"	8'-10"		20.0	
102	X-NL2		3'-0"	8'-10"		20.0	
104	X-NL2		3'-0"	8'-10"		20.0	
105	X-FD2		6'-0"	8'-10"		17.0	
106	X-NL2		3'-0"	8'-10"		20.0	
111	X-NL2		3'-0"	8'-10"		20.0	
112	X-NL2		3'-0"	8'-10"		20.0	
114	X-NL2		3'-0"	8'-10"		20.0	
115.3	X-SFD		6'-0 1/4"	8'-7"		16.0	
115.4	X-SFD		5'-11 7/8"	8'-7"		16.0	
115.5	X-SF		3'-2"	8'-7"		16.0	
116	X-NL2		3'-0"	8'-10"		20.0	
117	X-NL2		3'-0"	8'-10"		20.0	
120	X-NL2		3'-0"	8'-10"		20.0	
121	X-NL2		3'-0"	8'-10"		20.0	
122	X-NL2		3'-0"	8'-10"		20.0	
123	X-NL2		3'-0"	8'-10"		20.0	
124	X-NL2		3'-0"	8'-10"		20.0	
125	X-NL2		3'-0"	8'-10"		20.0	
126	X-NL2		3'-0"	8'-10"		20.0	
127	X-NL2		3'-0"	8'-10"		20.0	
128	X-NL2		3'-0"	8'-10"		20.0	
129	X-NL2		3'-0"	8'-10"		20.0	
130	X-NL2		3'-0"	8'-10"		14.0	
134	X-NL2		3'-0"	8'-10"		20.0	
135	X-NL2		3'-0"	8'-10"		20.0	
136	X-NL2		3'-0"	8'-10"		20.0	
137	X-NL2		3'-0"	8'-10"		20.0	
138	X-FD2		6'-0"	8'-10"		17.0	
140	X-NL2		3'-0"	8'-10"		20.0	
141	X-NL2		3'-0"	8'-10"		20.0	
142	X-NL2		3'-0"	8'-10"		20.0	
143	X-NL2		3'-0"	8'-10"		20.0	
144	X-NL2		3'-0"	8'-10"		20.0	
145	X-NL2		3'-0"	8'-10"		20.0	
200	X-NL2		3'-0"	8'-10"		20.0	
203	X-NL2		3'-0"	8'-10"		20.0	
204	X-NL2		3'-0"	8'-10"		20.0	
206	X-NL2		3'-0"	8'-10"		20.0	
207	X-FD2		6'-0"	8'-10"		20.0	
209	X-NL2		3'-0"	8'-10"		20.0	
210	X-NL2		3'-0"	8'-10"		17.0	
211	X-NL2		3'-0"	8'-10"		20.0	
212	X-F2		2'-6"	8'-10"		14.0	
216	X-NL2		3'-0"	8'-10"		20.0	
219	X-NL2		3'-0"	8'-10"		20.0	
220	X-NL2		3'-0"	8'-10"		20.0	
221	X-NL2		3'-0"	8'-10"		4.0	
222	X-NL2		3'-0"	8'-10"		20.0	
223	X-F2		2'-6"	8'-10"		20.0	
224	X-NL2		3'-0"	8'-10"		20.0	
225	X-NL2		3'-0"	8'-10"		14.0	
229	X-NL2		3'-0"	8'-10"		20.0	
230	X-NL2		3'-0"	8'-10"		20.0	
231	X-NL2		3'-0"	8'-10"		20.0	
233	X-NL2		3'-0"	8'-10"		20.0	
234	X-NL2		3'-0"	8'-10"		20.0	
235	X-NL2		3'-0"	8'-10"		20.0	
237	X-NL2		3'-0"	8'-10"		20.0	
238	X-F2		2'-6"	8'-10"		20.0	
239	X-NL2		3'-0"	8'-10"		20.0	
240	X-NL2		3'-0"	8'-10"		14.0	
244	X-NL2		3'-0"	8'-10"		20.0	
246	X-NL2		3'-0"	8'-10"		20.0	
247	X-NL2		3'-0"	8'-10"		20.0	
248	X-NL2		3'-0"	8'-10"		17.0	
249	X-NL2		3'-0"	8'-10"		20.0	
251	X-NL2		3'-0"	8'-10"		20.0	
254	X-NL2		3'-0"	8'-10"		20.0	
261	X-FD2		6'-0"	8'-10"		20.0	
262	X-FD2		6'-0"	8'-10"		20.0	
301	NL2		3'-0"	8'-10"		19.0	SIGN TYPE B
301A	NL2		3'-0"	8'-10"		24.0	SIGN TYPE B
303A	NL2		3'-0"	8'-10"		24.0	SIGN TYPE B
310	X-NL2		3'-0"	8'-10"		20.0	
313.OH1	OH		10'-0"	8'-10"		27.0	
314.1	X-NL2		3'-0"	8'-10"		23.0	
316	X-NL2		3'-0"	8'-10"		21.0	
331A	NL2		3'-0"	8'-10"		24.0	SIGN TYPE B
351	X-NL2		3'-0"	8'-10"		18.0	
400A.1	X-SF		3'-0 1/2"	7'-0"		-	
400A.2	X-SF		3'-0"	7'-0"		-	
400A.3	X-SF		3'-0"	7'-0"		-	
401	X-NL2		3'-0"	8'-10"		14.0	
403	X-NL2		3'-0"	8'-10"		14.0	
409	X-NL2		3'-0"	8'-10"		14.0	
410	X-NL2		3'-0"	8'-10"		14.0	
420.1	X-NL2		3'-0"	8'-10"		15.0	
421	X-NL2		3'-0"	8'-10"		14.0	
500	NL3		4'-0"	8'-10"		25.0	SIGN TYPE B
512	NL3		4'-0"	8'-10"		26.0	SIGN TYPE B
512A	NL2		4'-0"	8'-10"		24.0	SIGN TYPE B
513	NL2		3'-0"	8'-10"		26.0	SIGN TYPE B
520	NL3		4'-0"	8'-10"		25.0	SIGN TYPE B
600	X-FD2		6'-0"	8'-10"		22.0	
600.1	X-FD2		6'-0"	8'-10"		22.0	
601	X-FD2		6'-0"	8'-10"		22.0	
614	X-F2		3'-0"	8'-10"		18.0	

DOOR SCHEDULE NOTES

1. At Doors marked 'SMK', provide smoke seals at frame and door bottom to resist the passage of smoke. Provide threshold if required by code or if necessary for proper function of door bottom seal.
2. At Doors marked 'SND', provide sound seals at frame and door bottom.
3. At Doors without a Frame Type designation, the door frame is part of a Glazing System.
4. At Doors with a Frame Type designation "AL", the door frame is an interior aluminum frame that is not part of a glazing system
5. At Doors with a Frame Type designation "N/A", there is no door frame required (e.g. all-glass doors, gates, etc.).
6. At Doors with a Frame Type designation "REF DET", refer to the referenced Head and Jamb detail for frame information.
7. At Doors with a Door Type or Frame Type designation "EX", the door or door frame is existing to remain.
8. Refer to Hardware Schedule for additional information regarding hardware.
9. Vision panels at non-rated interior doors shall be 1/4" clear tempered glass (CT4) U.N.O. Vision panels at interior fire-rated glass (CC4) U.N.O. Vision panels at exterior doors shall be 1" tinted tempered insulating glass (TT1) U.N.O.
10. Refer to Glazing System Elevation Sheets for Glass Types.

DOOR SCHEDULE KEYED NOTES

1. CASED OPENING
2. DOUBLE EGRESS DOORS
3. FIRE-RATED WIRED GLASS
4. FIRE-RATED CERAMIC GLASS
5. KEYED REMOVABLE MULLION
6. ELECTROMAGNETIC HOLD-OPEN
7. MANUAL HOLD-OPEN, FLOOR MOUNTED
8. MANUAL HOLD-OPEN, OVERHEAD
9. ACCESS CONTROL / CARD READER
10. DOOR POSITION SWITCH
11. APPLIED SOUND SEALS & THRESHOLD



1-3/4" THICK FLUSH DOOR SINGLE
F1 PLASTIC LAMINATE
F2 PAINTED HOLLOW METAL
F3 PAINTED METAL SOUND CONTROL DOOR & FRAME

1-3/4" THICK FLUSH DOOR DOUBLE
FD1 PLASTIC LAMINATE
FD2 PAINTED HOLLOW METAL
FD3 PAINTED METAL SOUND CONTROL DOOR & FRAME

1-3/4" THICK DOOR W/ VISION PANEL SINGLE
NL1 PLASTIC LAMINATE
NL2 PAINTED HOLLOW METAL
NL3 PAINTED METAL SOUND CONTROL DOOR & FRAME
*(4" x 24" VISION PANEL AT 60/90 MIN. RATED)

1-3/4" THICK DOOR W/ VISION PANEL DOUBLE
NLD1 PLASTIC LAMINATE
NLD2 PAINTED HOLLOW METAL
NLD3 PAINTED METAL SOUND CONTROL DOOR & FRAME
*(4" x 24" VISION PANEL AT 60/90 MIN. RATED)

GLAZED ENTRANCE DOOR SINGLE
SF1 ALUMINUM & GLASS WIDE STILE
SF2 ALUMINUM & GLASS NARROW STILE

GLAZED ENTRANCE DOOR DOUBLE
SFD1 ALUMINUM & GLASS WIDE STILE

1-3/4" THICK DOOR WITH LOUVER SINGLE
L1 PLASTIC LAMINATE
L2 PAINTED HOLLOW METAL

1-3/4" THICK DOOR WITH LOUVER DOUBLE
LD1 PLASTIC LAMINATE
LD2 PAINTED HOLLOW METAL

KITCHEN TRAFFIC DOOR SINGLE
K1 STAINLESS STEEL
K2 ALUMINUM

KITCHEN TRAFFIC DOOR DOUBLE
KD1 STAINLESS STEEL
KD2 ALUMINUM

1-3/4" THICK DOOR W/ HALF LITE SINGLE
HG1 PLASTIC LAMINATE
HG2 PAINTED HOLLOW METAL
HG3 PAINTED METAL SOUND CONTROL DOOR & FRAME

COILING COUNTER DOOR
OC1 NON-INSULATED, STAINLESS STEEL, MANUAL
OC2 NON-INSULATED, STAINLESS STEEL, MOTORIZED

OVERHEAD COILING DOOR
OH1 NON-INSULATED, STAINLESS STEEL, MANUAL
OH2 NON-INSULATED, STAINLESS STEEL, MOTORIZED

FENCE GATE SINGLE
G GALVANIZED CHAINLINK PROVIDE CHAIN AND LOCK WELDED TO GATE.

FENCE GATE DOUBLE
GD GALVANIZED CHAINLINK PROVIDE CHAIN AND LOCK WELDED TO ONE GATE LEAF.

NOTE: " X- " PREFIX INDICATES AN EXISTING DOOR OR FRAME TO REMAIN.

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ARCHITECT
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Director: RSJ
Drawn By: STH, KM
Designer: Quality Control QC
Proj. Arch.: TQ

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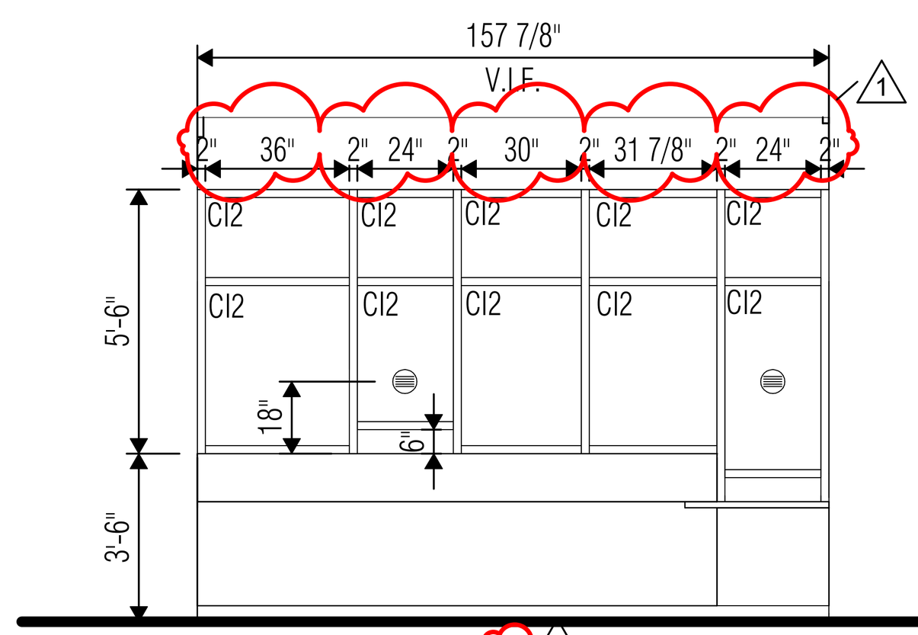
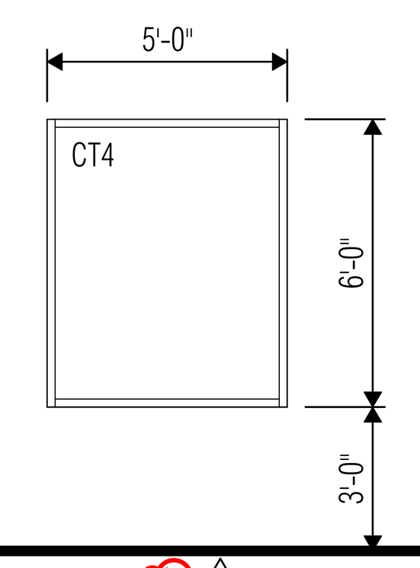
24-010.00

SHEET TITLE
TRUITT - DOOR TYPES, SCHEDULES, ELEVATIONS & DETAILS

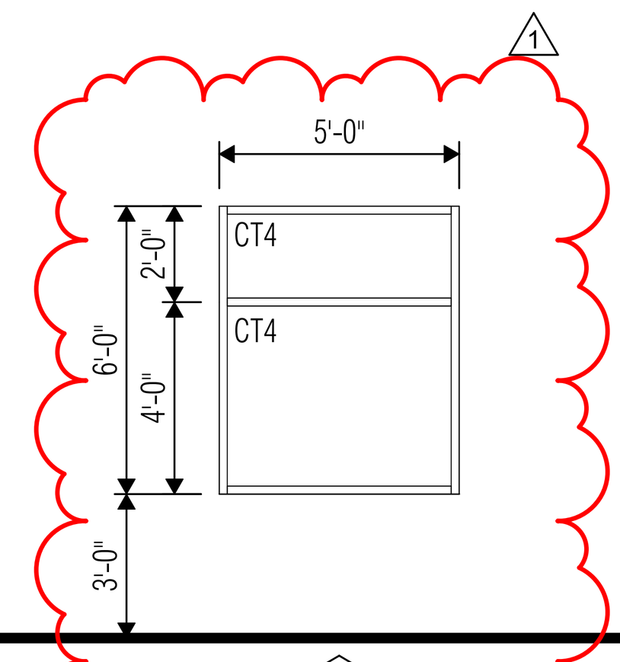
SHEET NO.
A37.01



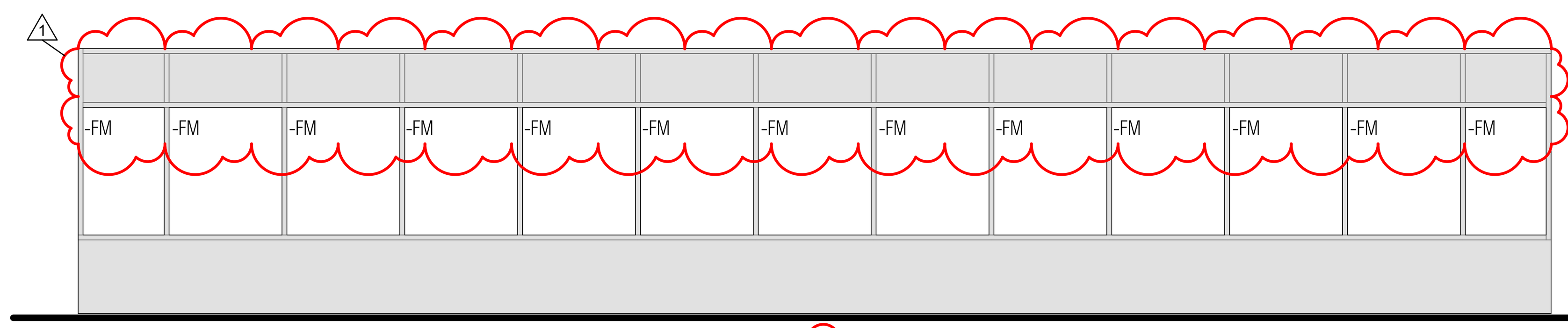
C NEW ALUM. FRAME AND IR GLAZING



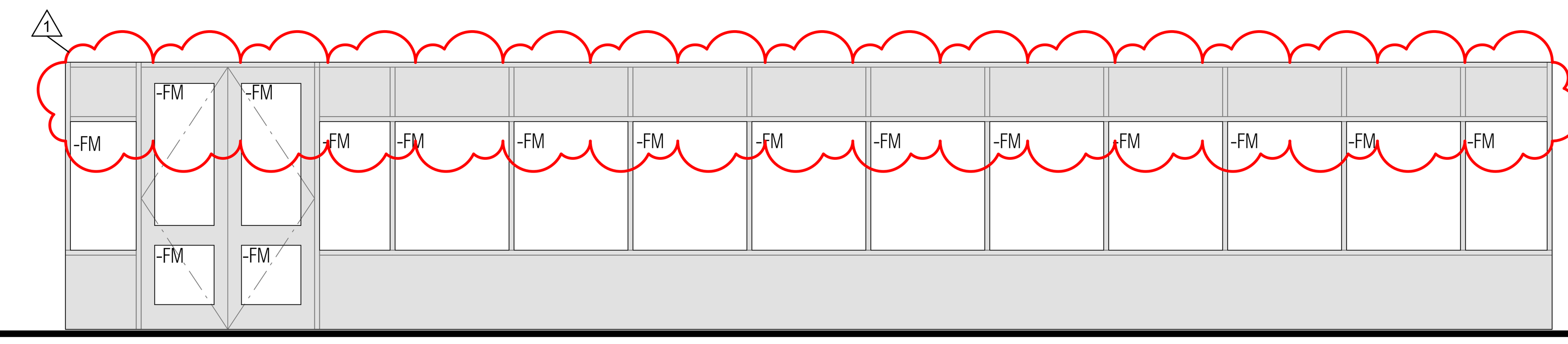
D NEW ALUM. FRAME AND GLAZING



E NEW ALUM. FRAME AND GLAZING



B EXISTING ALUM. FRAME NEW IR GLAZING



A EXISTING ALUM. FRAME NEW IR GLAZING

GLAZING SYSTEM NOTES

1. Overall dimensions of glazing system elevations reflect rough opening dimensions, inclusive of perimeter joints.
2. Provide 3/16" thick heavy wall framing members at all door frames in exterior and interior aluminum Storefront systems.
3. Provide 3/16" thick heavy wall door adapters at all door frame members in exterior and interior aluminum Curtain Wall systems.
4. Door opening dimensions in Curtain Wall systems reflect 1" door adapters at jamb conditions, and 1-3/4" door adapters at head conditions. Adjust dimensions between mullions at door openings in curtain wall systems as required for actual size of door adapters provided. Door sizes as identified in Door Schedule shall be maintained.
5. Refer to A' '7.01 for Typical Push/Pull Mounting Heights Detail for aluminum/glass doors

GLASS TYPE LEGEND

CT4 CLEAR, TEMPERED, 1/4" THICK GLASS
CI2 CLEAR, IMPACT-RESISTANT, 9/16" THICK LAMINATED GLASS

-FM 23 MIL IMPACT RESISTANT FILM OVERLAY, FIELD-APPLIED TO GLAZING UP TO 7'-0" A.F.F.
- IF A PORTION OF THE GLAZING UNIT IS ABOVE 7'-0", APPLY FILM TO THE ENTIRE GLAZING UP TO MULLION.
- DO NOT SPLICE FILM ON INTERIOR OR EXTERIOR GLAZING UNITS.

GLAZING SHOWN WITH GREY HATCH IS EXISTING TO REMAIN

GLAZING SYSTEM LEGEND

STOREFRONT FRAMING WITH 3/16" THICK 'HEAVY WALL' MATERIAL. TYPICAL AT ALL DOOR FRAME MEMBERS IN STOREFRONT GLAZING SYSTEMS.

CURTAIN WALL FRAMING WITH STEEL REINFORCING PROVIDED BY MANUFACTURER.

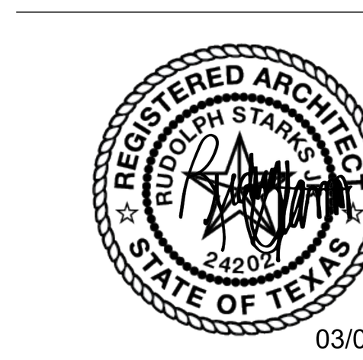
VLK | ARCHITECTS

ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations



03/06/2025

ISSUED: February 24, 2025

REVISIONS

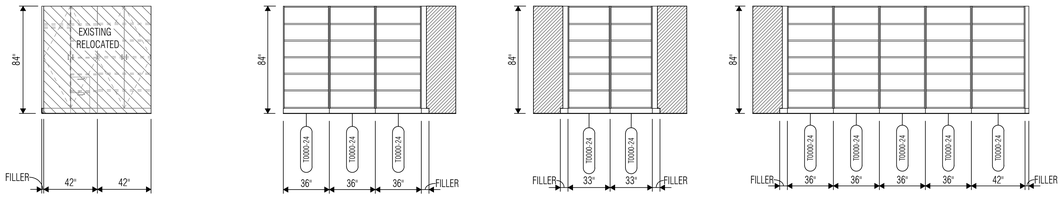
Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

PROJECT NO.
24-010.00

SHEET TITLE
TRUITT - GLAZING ASSEMBLY TYPES, SCHEDULES, ELEVATIONS & DETAILS

SHEET NO.
A37.11

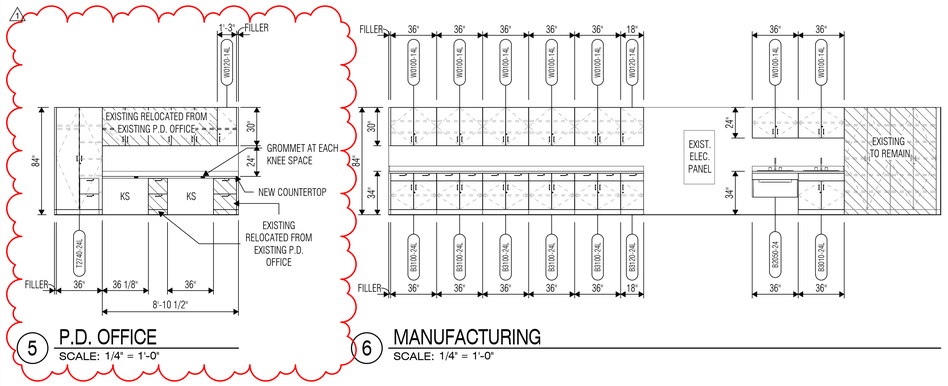


1 OFFICE/LIBRARY
SCALE: 1/4" = 1'-0"

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

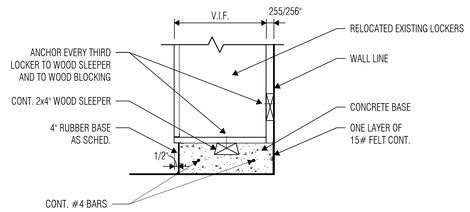
3 PANTRY
SCALE: 1/4" = 1'-0"

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

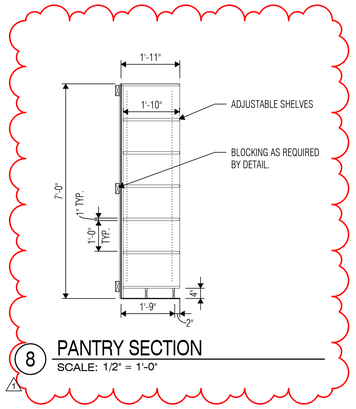


5 P.D. OFFICE
SCALE: 1/4" = 1'-0"

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



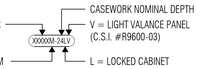
7 LOCKER BASE DETAIL
SCALE: 1 1/2" = 1'-0"



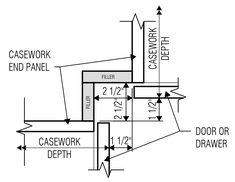
8 PANTRY SECTION
SCALE: 1/2" = 1'-0"

CASEWORK NOTES

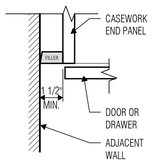
1. Casework shall meet criteria set forth in Americans with Disabilities Act and Texas Accessibility Standards.
2. All casework model numbers are based on Case Systems, Inc. Refer to casework elevations for height and width of each unit.
3. Coordinate locations of electrical and/or plumbing within casework and millwork. Notify Architect of any conflicts prior to installation.
4. Coordinate all column locations prior to installation of casework.
5. Refer to Floor Plan Notes for blocking requirements at stud partitions.
6. All adjustable shelves longer than 2'-3", and shelves of any length at open shelving units, shall be 1" thick..
7. Provide finished surface on all exposed surfaces.
8. Plastic Laminate on all casework shall be PL-_ U.N.O.
9. Provide fillers and finished end panels (F.E.) as required. Refer to Typical Casework Details for filler requirements.
10. Provide locks on all doors and drawers as indicated.
11. All counters shall have 4" high splashes, U.N.O.
12. At countertop locations, no joints in plastic laminate should occur over knee spaces, or within 24 inches of sinks and lavatories.
13. Casework cabinet doors and drawers shall be flush overlay.
14. Base cabinets should not extend to floor. Sub-base shall be separate and recessed 1/2" at sides of cabinet to receive rubber base.
15. Provide 1-1/2" thick divider panel between knee spaces and adjacent spaces (e.g. dishwasher openings, other knee spaces, etc.).
16. At front of casework, countertops shall extend 1/2" over base cabinet door/drawer (approximately 1-1/2" over base cabinet body). At ends of casework, countertops shall extend 1/2" over base cabinet body. Refer to Typical Casework Details.
17. Provide custom height at all file-size drawers to be a minimum of 1'-0" deep. Provide locks at all file-size drawers.



NOTE:
1. The height indicated at base cabinets includes the countertop.

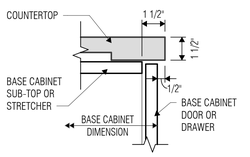


INSIDE CORNER FILLER AT ADJACENT CABINETS

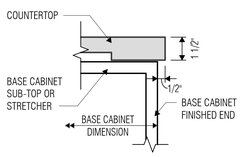


NOTE: MAX. FILLER SIZE IS 4"

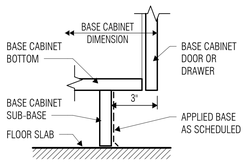
FILLER AT ADJACENT WALL



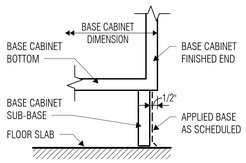
COUNTERTOP FRONT OVERHANG



COUNTERTOP END OVERHANG

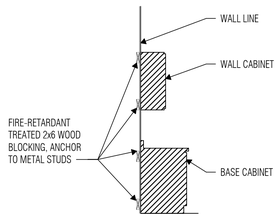


BASE CABINET TOE KICK AT FRONT

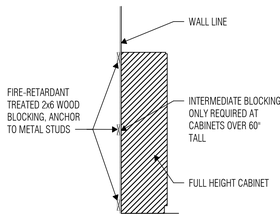


BASE CABINET SUB-BASE AT FINISHED END

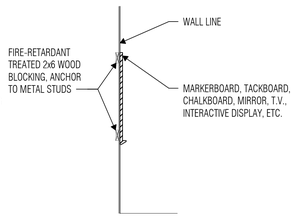
TYPICAL CASEWORK DETAILS
SCALE: 3" = 1'-0"



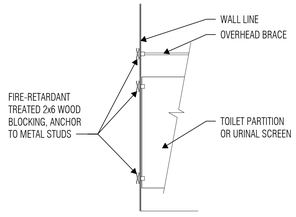
CONDITION A



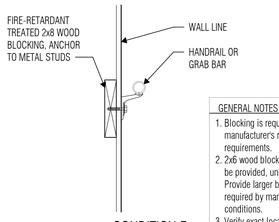
CONDITION B



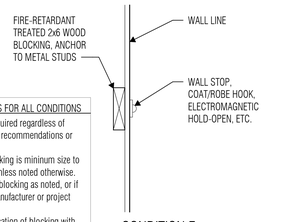
CONDITION C



CONDITION D



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



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

GENERAL NOTES FOR ALL CONDITIONS
1. Blocking is required regardless of manufacturer's recommendations or requirements.
2. 2x6 wood blocking is mininum size to be provided, unless noted otherwise. Provide larger blocking as noted, or if required by manufacturer or project conditions.
3. Verify exact location of blocking with manufacturer's installation requirements.

MC005

TYPICAL WOOD BLOCKING DETAILS
SCALE: 3/8" = 1'-0"

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ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT JOSEPH STARKS 24008 STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch.	
TQ	

PROJECT NO.
24-010.00

SHEET TITLE
TRUITT - CASEWORK ELEVATIONS & DETAILS

SHEET NO.
A38.01

FINISH ACCESSORY, FURNITURE AND EQUIPMENT SCHEDULE

NOTE: ALL MATERIALS, PRODUCTS, SIZES, COLORS AND PATTERNS ARE THE BASIS OF DESIGN. REFERENCE PROJECT MANUAL FOR ADDITIONAL APPROVED MANUFACTURERS MEETING THE DESIGN INTENT. SUBSTITUTIONS WILL BE CONSIDERED WHEN SUBMITTED IN COMPLIANCE WITH SECTION 01 62 00 – PRODUCT OPTIONS.

MARK	DESCRIPTION	SPEC SECTION	MANUFACTURER INFO			SIZE	COMMENTS
			MANUFACTURER	SERIES/STYLE	COLOR/FINISH		
PTD				-		-	
EXTERIOR EQUIPMENT AND SPECIALTIES							
EJ	Expansion Joint Covers	07 95 00		As Specified		-	
PJS	PREFORMED JOINT SEAL	07 95 00		-		-	PREFORMED JOINT SEAL
EXTERIOR FINISH ACCESSORY							
EFA-01	PREFINISHED METAL TRIM	07 42 13		As Specified		-	
EFA-02	FIBER CEMENT TRIM	07 46 46		As Specified		-	
EFA-03	WOOD TRIM	07 46 23		As Specified		-	
FLOOR FINISH ACCESSORY							
FFA-01	FLOOR TRANSITION	09 68 00	Johnsonite	Wheeled Traffic Transition	Black 40	--	RF to CPT. Provide floor transition to match flooring thickness.
FFA-02	FLOOR TRANSITION	09 68 00	Johnsonite	Slim Line Transition	Black	--	CPT to EXST. Provide floor transition to match flooring thickness.
MILLWORK FINISH ACCESSORY							
MFA-01	MILLWORK REVEAL	09 21 16	Fry Reglet	Millwork Profiles/Millwork U Channel	To be selected by architect.	1/2"	At Reception Desk refer to Casework Elevations for details.
MISC.							
BV	BRICK VENT	05 50 00		As Specified		-	
CB	CONCRETE BOLLARD	12 93 00		As Specified		-	
DN	DOWNSPOUT NOZZLE	DIVISION 22		As Specified		-	
JSE	EXTERIOR JOINT SEALANT	07 92 00		As Specified		-	
L	LOUVER	08 91 00		As Specified		-	
SPECIALTY EQUIPMENT							
ATH	Athletic Wall Pads	11 66 00		As Specified			AT LABAY
FEC	Fire Extinquisher Cabinet	10 44 13		As Specified		-	
HB	Horizontal Blinds	12 21 13		As Specified			
ID	IDENTIFYING DEVICES	10 14 00		As Specified			
MB	Markerboard - Premanufactured	10 11 16		As Specified			
PC-01	Platform Stage Curtain	10 21 23	KM Fabrics	Charisma	Black		COOK
PC-02	Platform Stage Curtain	10 21 23	KM Fabrics	Charisma	Navy		LABAY/TRUITT
TB	Tackboard	10 11 16		As Specified			

MATERIAL FINISH SCHEDULE

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MARK	DESCRIPTION	SPEC SECTION	MANUFACTURER INFO				COMMENTS
			MANUFACTURER	SERIES/STYLE	COLOR/FINISH	SIZE	
1 BASE FINISH							
BC	Base, Rubber Coved	09 65 00	Roppe	700 Series - Standard	193 Black Brown	4"	
PT-03	Paint - Base	09 91 00	Sherwin Williams	--	Architect to Select	VIF	Contractor to paint base at new CMU walls. Base height to align to adjacent existing base.
CEILING FINISH							
ACT-01	Acoustic Ceiling Tile (24X24)	09 51 00	Armstrong	School Zone Fine Fissued	White	24" X 24"	
ACT-02	Acoustic Ceiling Tile (24X24) - High NRC - New Tiles Only	09 51 00	Armstrong	Calla 2820	White	24" X 24"	
ACT-03	Acoustic Ceiling Tile (24X24) - High NRC	09 51 00	Armstrong	Calla 2820	White	24" X 24"	
1 EXTERIOR FINISH							
MA-01	<varies>	04 20 00	ACME		50% Burnt Pumpkin / 50% Med Orchid		
MP-01	Metal - Panel	07 42 13	Berridge		Architect to Select		Athletic Storage
MP-02	Metal - Roofing	07 42 13	Berridge		Architect to Select		Athletic Storage
1 FLOOR FINISH							
CPT-01	Carpet - Field	09 68 00	Tarkett	Aftermath II	Tapestry 23512	Roll	
CPT-02	Carpet - Existing Band	09 68 00	Tarkett	Aftermath II	Mineral 23519	Roll	
RF-01	Resilient Floor - Field	09 65 44	Forbo	Marmoleum	629 Eiger	13" X 13"	
RF-02	Resilient Floor - Accent	09 65 44	Forbo	To be selected by architect.	To be selected by architect.	To be selected by architect.	
MILLWORK & ARCHITECTURAL FINISHES							
PL-01	Plastic Laminate - Vertical	12 32 16	Wilsonart	Vertical Laminate - Type 335	Asian Night 7949K-18		Run Wood Grain Vertical.
PL-02	Plastic Laminate - Horizontal	12 32 16	Wilsonart	General Laminate - Type 107	Natural Cotton 4946-38		
QTZ-01	Quartz surface - Counters	12 36 61.19	Wilsonart	Quartz	Lyra Q2001		
QTZ-02	Quartz surface - Window Sills	12 36 61.19	Cambria	Classic Series	Templeton		
WALL FINISH							
AWP-01	AWP - Goose	09 84 13	Guilford of Maine	Anchorage 2335	2049 Goose	--	
AWP-02	AWP - Quarry Blue	09 84 13	Guilford of Maine	Anchorage 2335	2026 Quarry Blue		
1 PT-01	Paint - Field	09 91 00	Sherwin Williams	--	Grayish SW6001	--	
PT-02	Paint - Dark Gray Accent	09 91 00	Sherwin Williams	--	Iron Ore SW7069	--	

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ARCHITECT

VLK Architects
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Houston, Texas 77070
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HOUSTON, TEXAS

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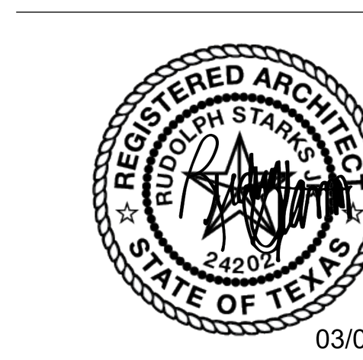

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

PROJECT NO.
24-010.00

SHEET TITLE
TRUITT - MATERIAL FINISH SCHEDULES

SHEET NO.
A39.01

ROOM FINISH SCHEDULE

LEVEL	ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALL	COMMENTS
LEVEL ONE						
TRUITT - UNIT A						
LEVEL ONE	511	OFFICE/LIBRARY	CPT	BC	PT	Truitt
LEVEL ONE	512A	INSTRUMENT STORAGE	RF	BC	PT	Truitt
LEVEL ONE	512	ENSEMBLE	CPT	BC	PT	Truitt
LEVEL ONE	510A	CORRIDOR	CPT	BC	PT	Truitt
LEVEL ONE	510	ORCHESTRA	CPT	BC	PT	Truitt
LEVEL ONE	520	BAND	EXST	BC	PT	Truitt
LEVEL ONE	500	CHOIR	EXST	BC	PT	Truitt
LEVEL ONE	513	PRACTICE	CPT	BC	PT	Truitt
TRUITT - UNIT C						
LEVEL ONE	C000	ENTRY VESTIBULE	EXST	EXST	EXST	Truitt
LEVEL ONE	400A	CHECK-IN	EXST	EXST	EXST	Truitt
LEVEL ONE	400	CONFERENCE	EXST	EXST	EXST	Truitt
LEVEL ONE	410	FINANCE	CPT	BC	PT	Truitt
LEVEL ONE	410A	WORKROOM	CPT	BC	PT	Truitt
LEVEL ONE	410B	STORAGE	CPT	BC	PT	Truitt
TRUITT - UNIT D.1						
LEVEL ONE	301	CULINARY LAB	RF	BC	PT	Truitt
LEVEL ONE	303	SEWING LAB	RF	BC	PT	Truitt
LEVEL ONE	303A	STORAGE	RF	BC	PT	Truitt
LEVEL ONE	303B	LAUNDRY	EXST	BC	PT	Truitt
LEVEL ONE	302	OFFICE	CPT 1	BC	PT	Truitt
LEVEL ONE	301A	PANTRY	RF	BC	PT	Truitt
LEVEL ONE	146	P.D. OFFICE	CPT	BC	PT	Truitt
TRUITT - UNIT D.2						
LEVEL ONE	316	MANUFACTURING	EXST	BC	PT	Truitt
LEVEL ONE	313	SHOP	EXST	BC	PT	Truitt

1

FINISH SCHEDULE NOTES

1. General Finish Notes
   - A. Any finish conflict between finish schedules and finish floor plans to be brought to the architect's attention for resolution.
   - B. Existing doors and operable window hardware shall be cleaned of all dirt and non-original paint.
   - C. Plastic Laminate
     - a. Typical Casework/Millwork cabinet body, doors, and drawer fronts shall be PL-01, unless noted otherwise.
     - b. Countertops shall be PL-02.
     - c. Interior Plastic Laminate clad wood doors to be PL-01.
     - d. All New and Existing Window Sills shall be QTZ-02.
     - e. All remaining casework shall have finished ends to match PL-01.
2. Ceiling Finishes
   - A. Refer to Reflected Ceiling Plans for scheduled finish.
   - B. At ceilings with exposed structure, all exposed elements shall be painted the scheduled color, including mechanical ductwork, electrical, piping, conduit, j-boxes, etc.
   - C. All interior gyp. bd. ceilings to be painted PT-01, unless noted otherwise.
   - D. All interior gyp. bd. furr-downs to be painted PT-01, unless noted otherwise.
3. Floor Finishes
   - A. All substrates receiving new flooring shall be clean of all adhesives and leveled as required to meet the installation recommendations of the flooring manufacturer.
   - B. Refer to Interior Finish Plans for floor finish patterns.
   - C. Refer to Interior Finish Plans for tile origin in each room. If origin point is not indicated, center in middle of the room or corridor.
   - D. All changes in floor material between rooms shall occur at centerline of doorway, unless noted otherwise.
   - E. Level and float flooring at public corridor walls.
   - F. All toilets and other areas capable of water mitigation shall have a 2" x ½" marble threshold with double ¼" bevel edge. The thresholds shall be held in place with thin set.
   - G. Sealant color shall match adjacent material.
   - H. Typical flooring application at brick walls:
     - a. LVT: Rake brick joint at floor level and install sealant between LVT and brick.
     - b. Carpet: Rake brick joint at floor level and tuck carpet tight into raked brick joint.
4. Wall Finishes
   - A. Finishes shall continue to inside corner, unless noted otherwise.
   - B. At painted CMU base, paint as indicated in drawings.
   - C. Paint Information:
     - a. Interior Paint
       - New interior walls and existing walls within area of work are to be painted PT-01 in their entirety, unless noted otherwise. 1
       - All interior sealants shall be painted to match adjacent wall.
     - b. Hollow Metal Doors and Windows:
       - Hollow metal doors to be painted PT-02, unless noted otherwise
       - Hollow metal door frames and vision panel frames shall be painted PT-02, unless noted otherwise.
       - At door frames with 2 different colors, transition color at inside corner of door stop, on the door side of the stop.
       - Hollow metal glazed opening frames shall be painted PT-02, unless noted otherwise.

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ARCHITECT

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2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT · STATE OF TEXAS · 24207
03/06/2025

ISSUED: February 24, 2025

REVISIONS

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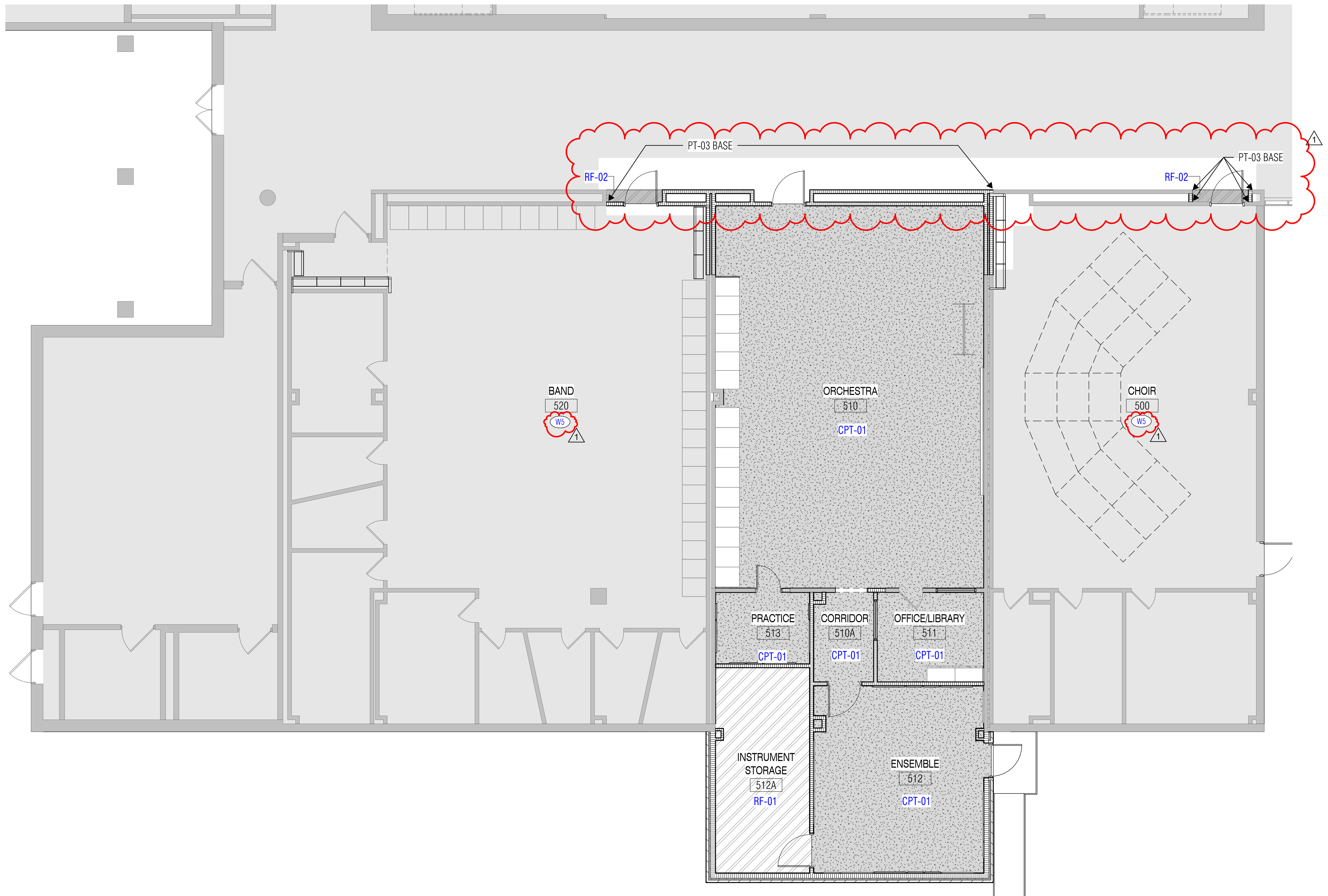
1	Addendum 1	03-06-2025

Director RSJ	Drawn By STH, KM
Designer	Quality Control
Proj. Arch. TQ	

PROJECT NO.
24-010.00

SHEET TITLE
TRUITT - ROOM FINISH SCHEDULE

SHEET NO.
A39.02



1 INTERIOR FINISH PLAN - LEVEL ONE - UNIT 'A'
SCALE: 1/8" = 1'-0"

INTERIOR FINISH LEGEND

CO-01	CONCRETE - SEALED
CO-02	CONCRETE - POLISHED
CPT-01	CARPET - FIELD
CPT-02	CARPET - ACCENT
RF-01	RESILIENT FLOOR - FIELD
RF-02	RESILIENT FLOOR - ACCENT
	EXISTING TO REMAIN WITH LIMITED OR NO INTERIOR FINISH WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

W5	CONTRACTOR TO PAINT PT-01 TO 9' AFF. AT ALL EXISTING WALLS AND TO PAINT NEW WALLS PT-01 TO FULL EXTENTS. PROTECT AND PAINT AROUND ALL EXISTING MARKERBOARDS, TACKBOARDS, ACOUSTIC PANELS, CASEWORK, DISPLAY CASES, ETC.

VLK | ARCHITECTS

ARCHITECT
VLK Architects
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Houston, Texas 77070
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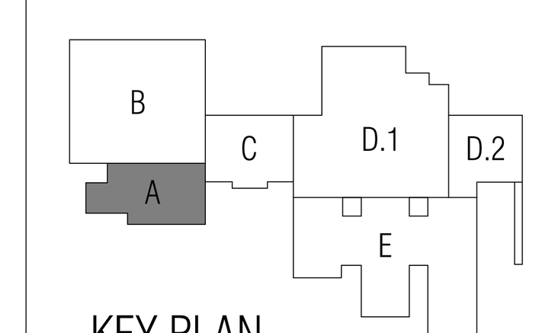

KEY PLAN

REGISTERED ARCHITECT
STATE OF TEXAS
03/06/2025

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Director: RSJ
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PROJECT NO.
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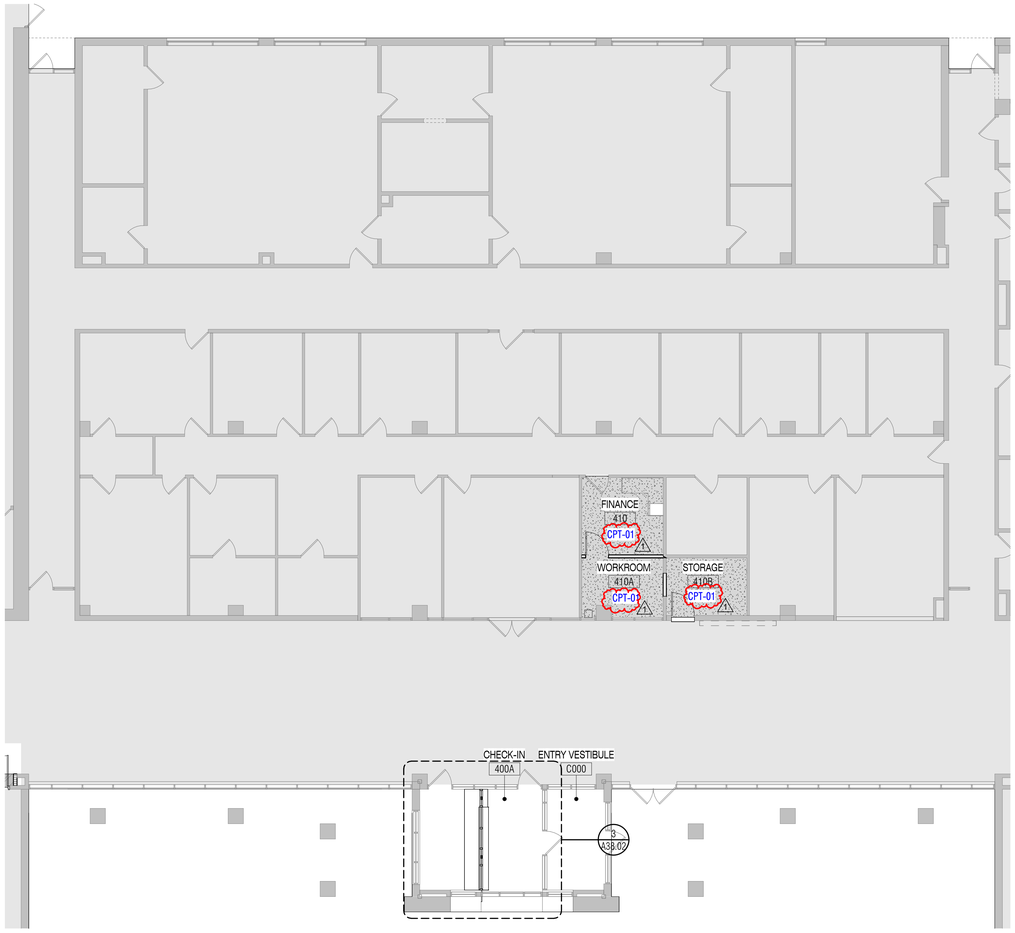
SHEET TITLE
TRUITT - INTERIOR FINISH PLAN - LEVEL ONE - UNIT A

SHEET NO.
A39.11A



1 INTERIOR FINISH PLAN - LEVEL ONE - UNIT 'C'
SCALE: 1/8" = 1'-0"

INTERIOR FINISH LEGEND

CO-01	CONCRETE - SEALED
CO-02	CONCRETE - POLISHED
CPT-01	CARPET - FIELD
CPT-02	CARPET - ACCENT
RF-01	RESILIENT FLOOR - FIELD
RF-02	RESILIENT FLOOR - ACCENT

EXISTING TO REMAIN WITH LIMITED OR NO INTERIOR FINISH WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

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VLK Architects
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Houston, Texas 77070
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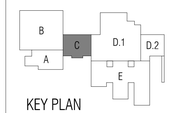

KEY PLAN

03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
Proj. Arch.	
TQ	

PROJECT NO.
24-010.00

SHEET TITLE
TRUITT - INTERIOR FINISH PLAN - LEVEL ONE - UNIT C

SHEET NO.
A39.11C

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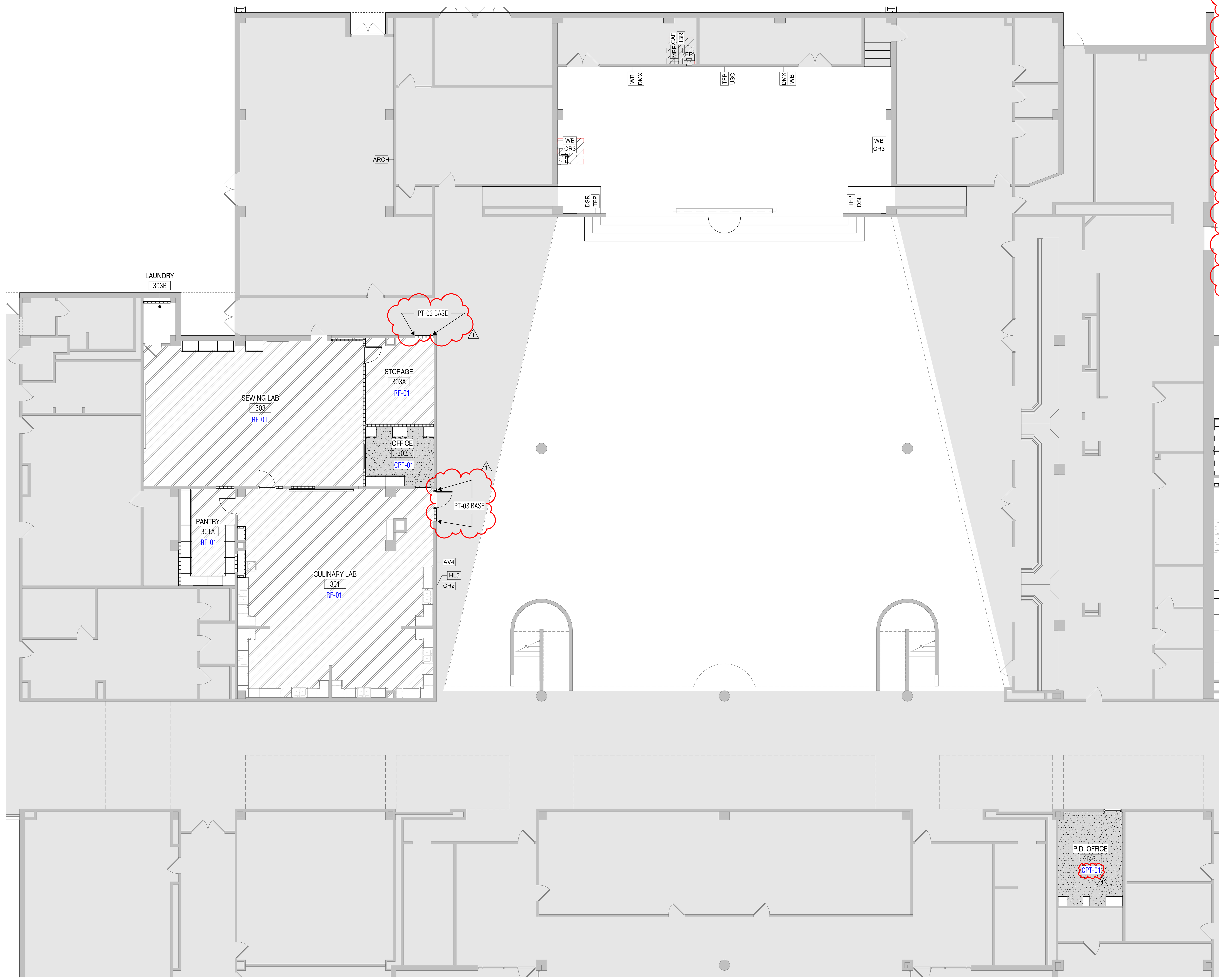
INTERIOR FINISH LEGEND

(pattern)	CO-01	CONCRETE - SEALED
(pattern)	CO-02	CONCRETE - POLISHED
(pattern)	CPT-01	CARPET - FIELD
(pattern)	CPT-02	CARPET - ACCENT
(pattern)	RF-01	RESILIENT FLOOR - FIELD
(pattern)	RF-02	RESILIENT FLOOR - ACCENT
(pattern)		EXISTING TO REMAIN WITH LIMITED OR NO INTERIOR FINISH WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.



1 INTERIOR FINISH PLAN - LEVEL ONE - UNIT 'D.1'
SCALE: 1/8" = 1'-0"

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VLK Architects
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Houston, Texas 77070
Main Phone: 281.671.2300
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2024 Cook, Labay & Truitt MS Renovations

KEY PLAN
B | A | C | D.1 | D.2 | E

03/06/2025

ISSUED: February 24, 2025

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Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
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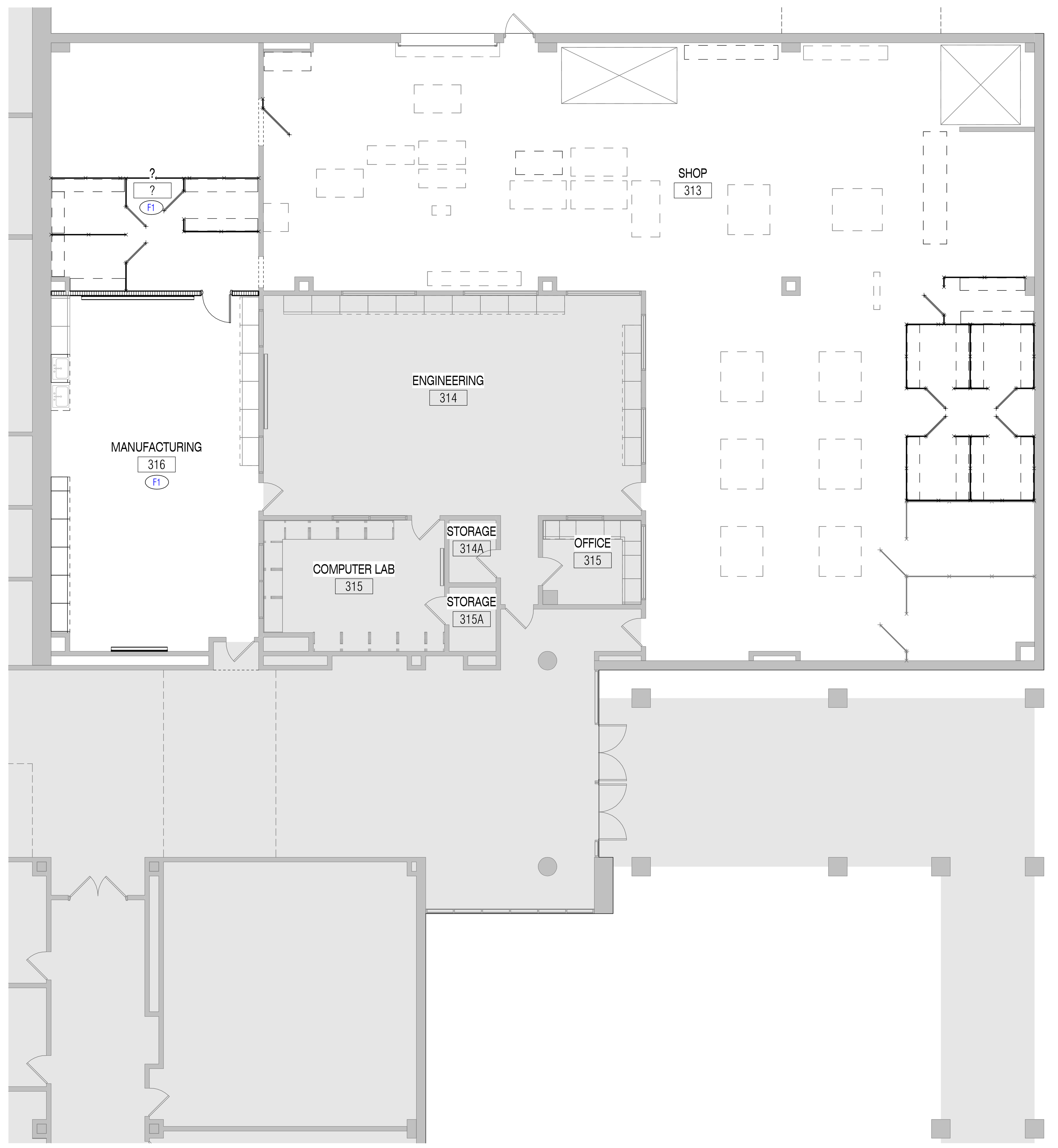
Quality Control
Proj. Arch.: TQ

PROJECT NO.
24-010.00

SHEET TITLE
TRUITT - INTERIOR FINISH PLAN - LEVEL ONE - UNIT D.1

SHEET NO.
A39.11D.1



1 INTERIOR FINISH PLAN - LEVEL ONE - UNIT 'D.2'
SCALE: 1/8" = 1'-0"

INTERIOR FINISH LEGEND

	CO-01	CONCRETE - SEALED
	CO-02	CONCRETE - POLISHED
	CPT-01	CARPET - FIELD
	CPT-02	CARPET - ACCENT
	RF-01	RESILIENT FLOOR - FIELD
	RF-02	RESILIENT FLOOR - ACCENT
		EXISTING TO REMAIN WITH LIMITED OR NO INTERIOR FINISH WORK REQUIRED IN THIS AREA. REFER TO CIVIL, MEPT AND STRUCTURAL DRAWINGS FOR ANY ADDITIONAL WORK IN AREA.

F1	EXISTING POLISHED CONCRETE TO BE REFINISHED.

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ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

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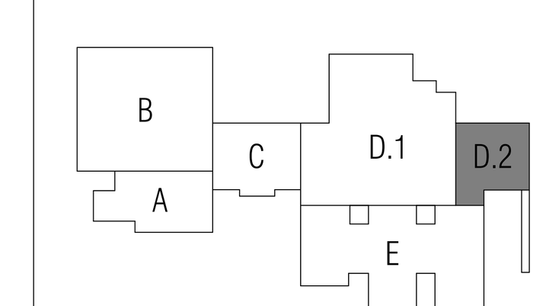

KEY PLAN

REGISTERED ARCHITECT
STATE OF TEXAS
03/06/2025

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	Addendum 1	03-06-2025

Director: RSJ
Drawn By: STH, KM
Designer
Quality Control
Proj. Arch.: TQ

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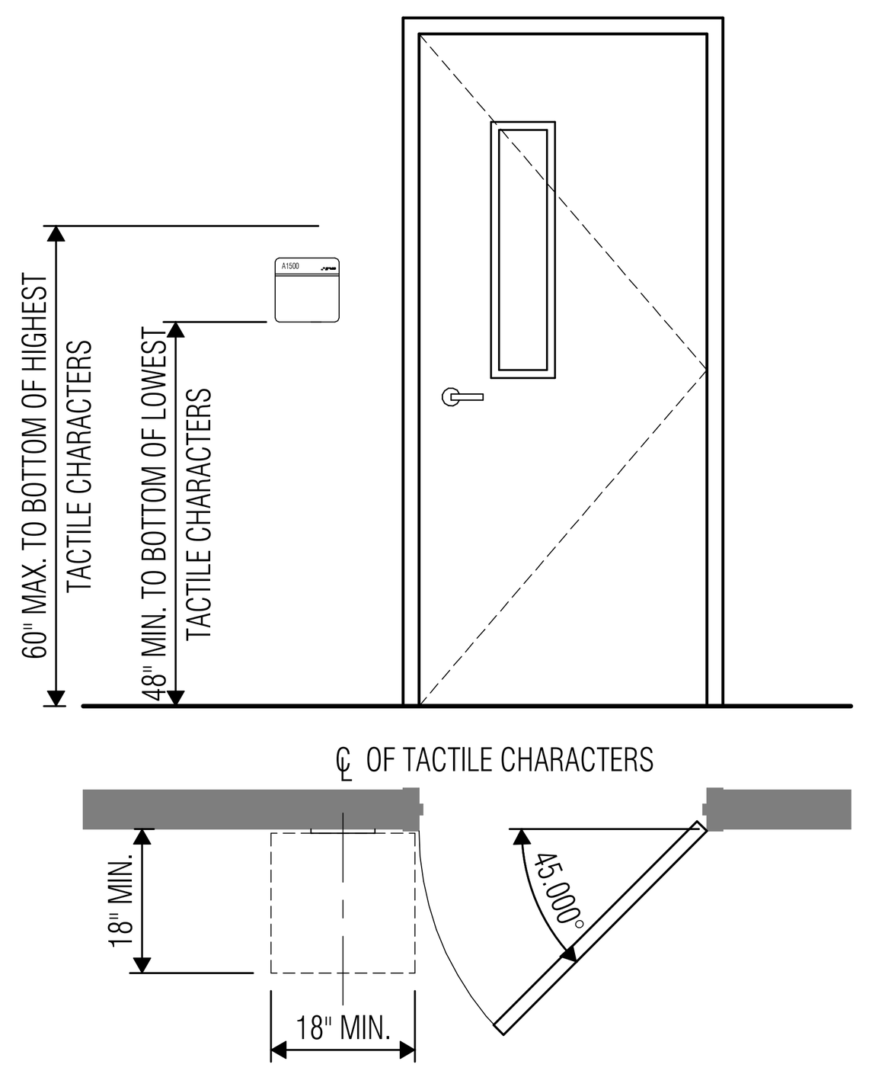
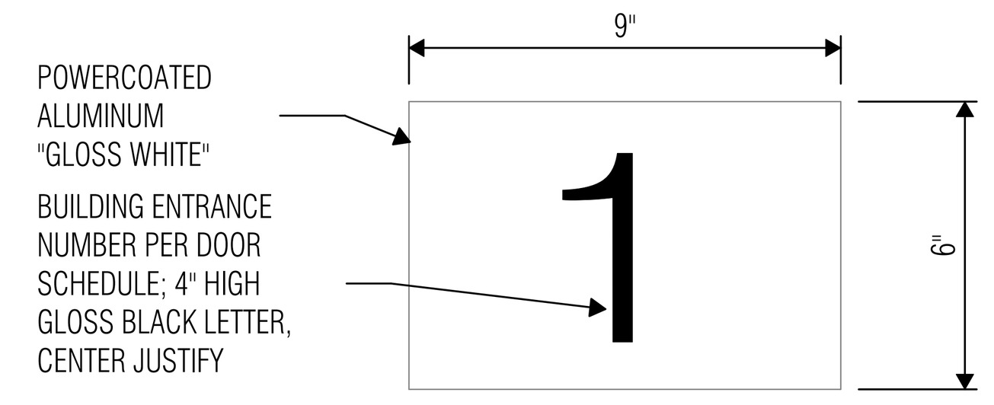
24-010.00

SHEET TITLE
TRUITT - INTERIOR FINISH PLAN - LEVEL ONE - UNIT D.2

SHEET NO.
A39.11D.2

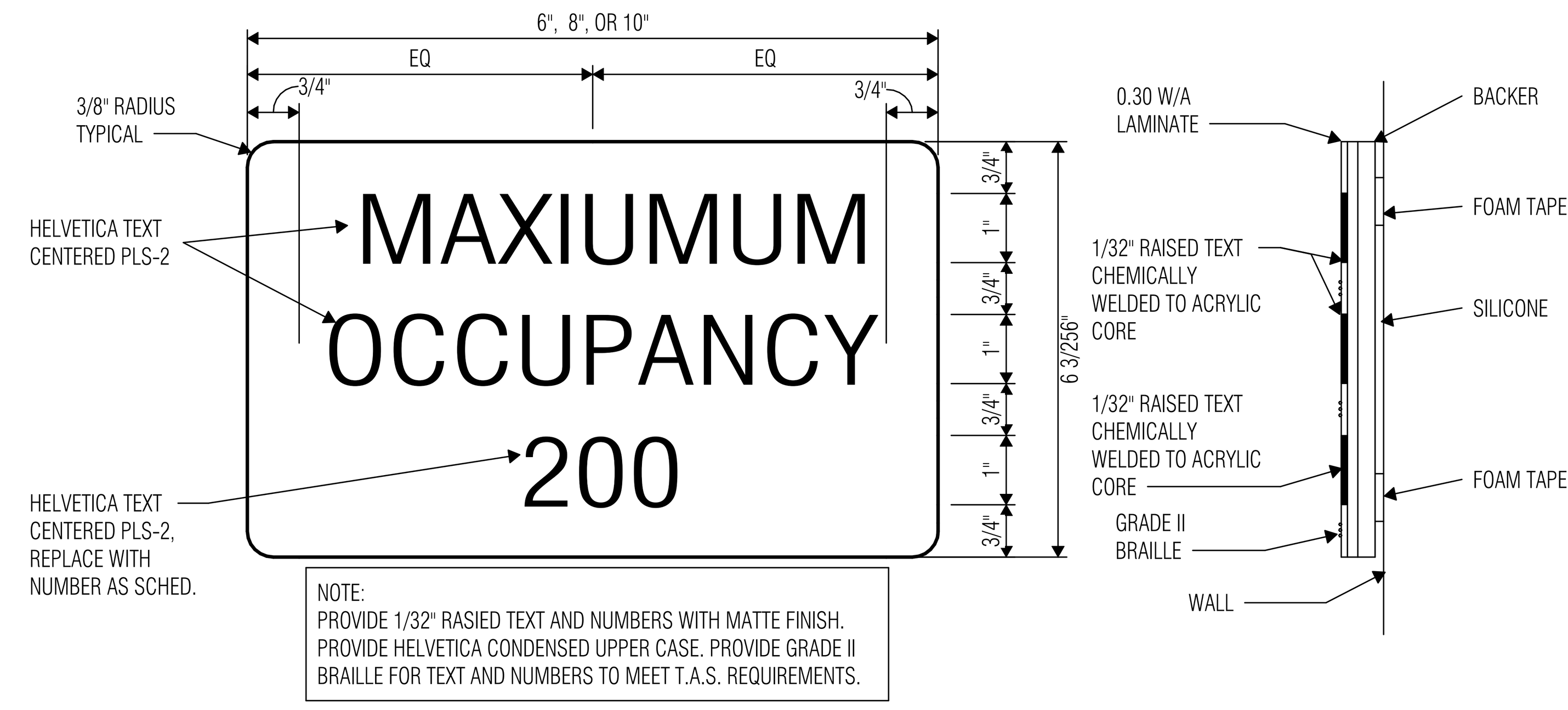


1 DETAIL/ELEV - DOOR SIGN
SCALE: 1/2" = 1'-0"



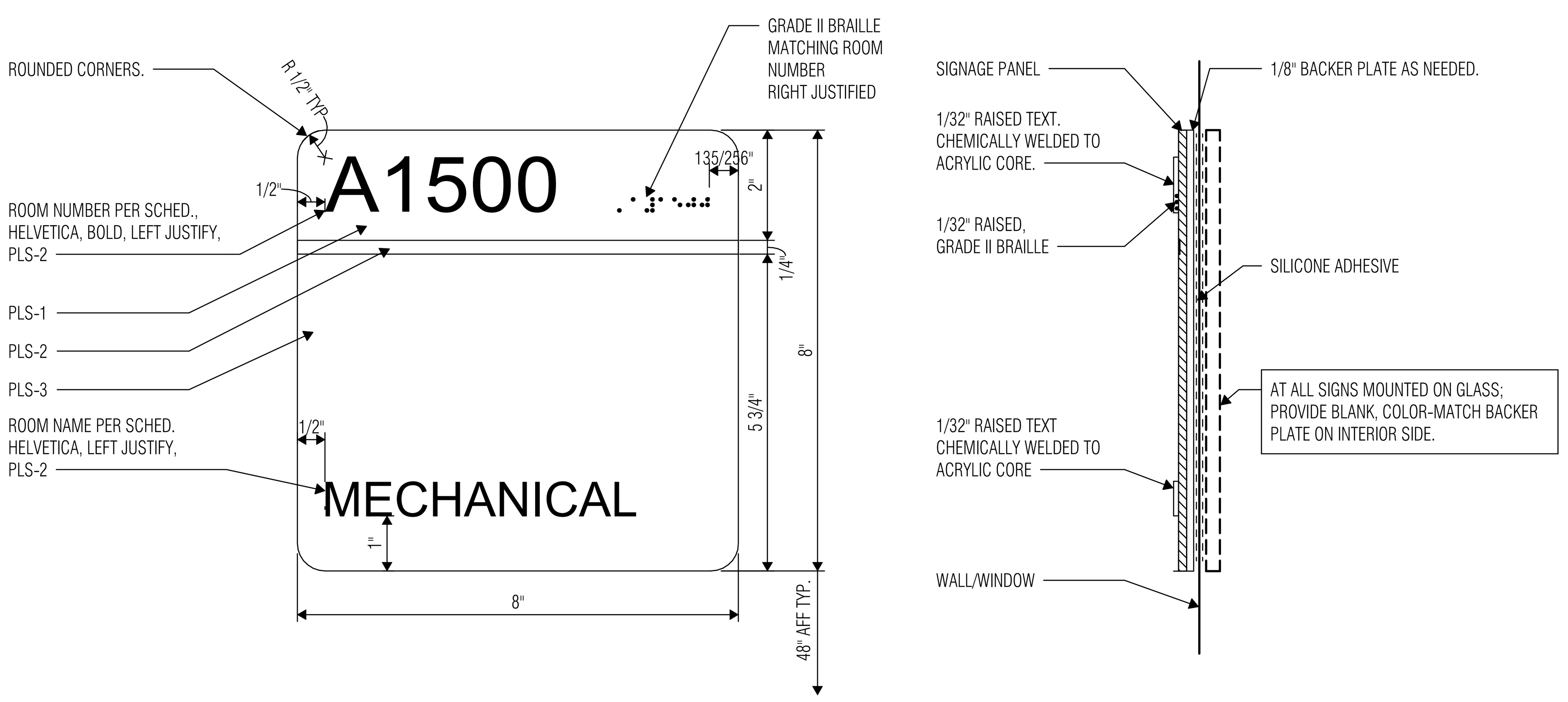
NOTE:
PROVIDE (2) SIGNS AT EACH ENTRANCE AS NOTED. ONE ON THE INTERIOR AND ONE ON THE EXTERIOR. BUILDING ENTRANCE SIGNS SHALL BE MOUNTED ABOVE AND CENTERED ON THE DOOR(S), WITH MECHANICAL FASTENERS (ON WALL) OR CLEAR DOUBLE SIDED VHB TAPE (ON GLAZING).

2 SIGN TYPE 'D'
SCALE: 3" = 1'-0"

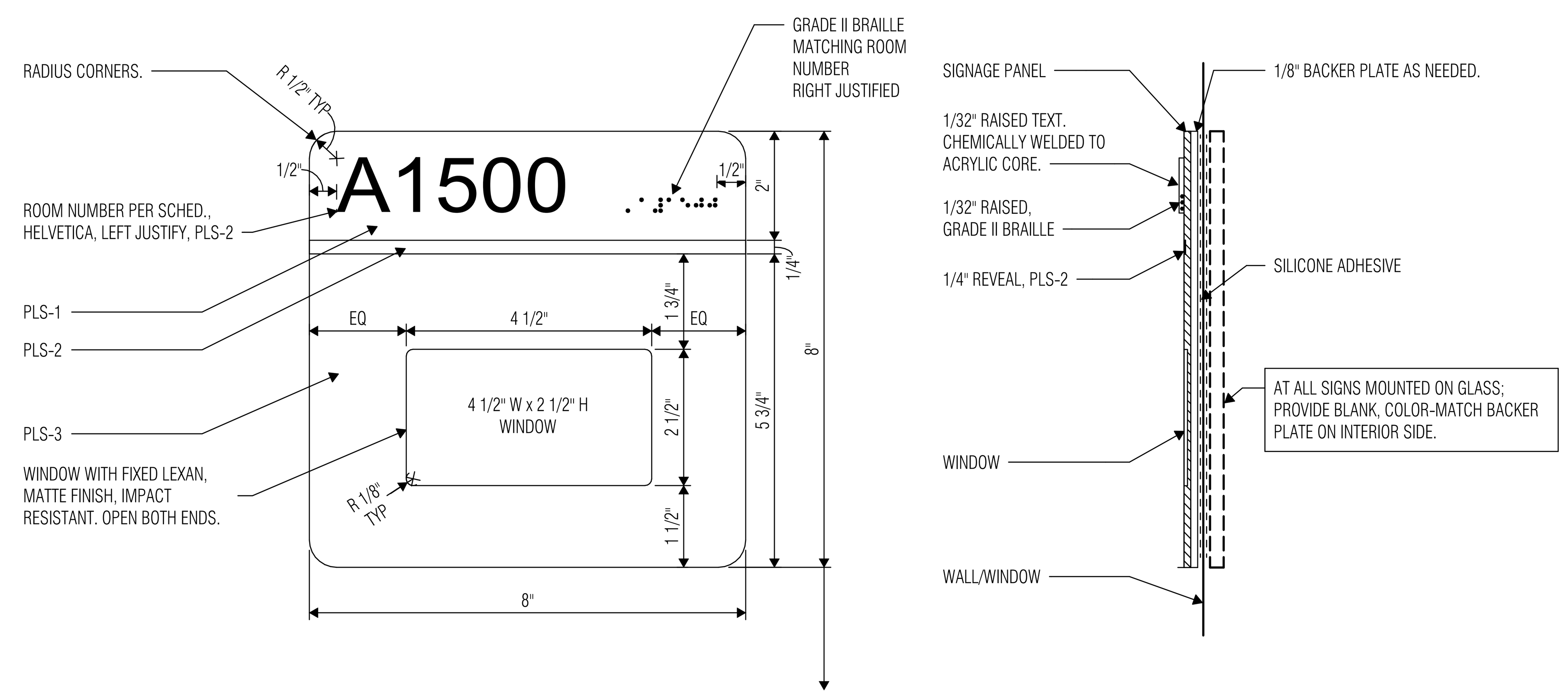


NOTE:
PROVIDE 1/32" RASIED TEXT AND NUMBERS WITH MATTE FINISH. PROVIDE HELVETICA CONDENSED UPPER CASE. PROVIDE GRADE II BRAILLE FOR TEXT AND NUMBERS TO MEET T.A.S. REQUIREMENTS.

3 SIGN TYPE 'C'1
SCALE: 6" = 1'-0"



4 SIGN TYPE 'A'1
SCALE: 6" = 1'-0"



5 SIGN TYPE 'B'1
SCALE: 6" = 1'-0"

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ARCHITECT

VLK Architects, Inc.
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

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2024 Cook, Labay & Truitt MS Renovations

REGISTERED ARCHITECT · STATE OF TEXAS
03/06/2025

ISSUED: 03/06/25

REVISIONS

Revision No.	Revision Date

Director	Drawn By
RSJ	STH, KM
Designer	Quality Control
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TQ	

PROJECT NO.
24-010.00

SHEET TITLE
TRUITT - ROOM SIGNAGE DETAILS

SHEET NO.
A39.20

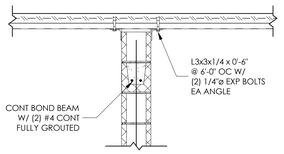
BRACE FRAMING

STUD TYPE	SPACING	MAX LENGTH	MISCELLANEOUS
362S162-43	4'-0" OC	14'-0"	BRACE @ MID-PT FOR LENGTHS OVER 14'-0"
600S162-43	4'-0" OC	20'-0"	BRACE @ MID-PT FOR LENGTHS OVER 20'-0"

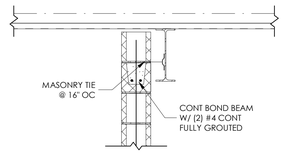
VERTICAL FRAMING

STUD TYPE	SPACING	MAX LENGTH	MISCELLANEOUS
362S162-43	1'-4" OC	22'-6"	ONE LAYER * SHEATHING (MIN)
600S162-43	1'-4" OC	32'-9"	ONE LAYER * SHEATHING (MIN)

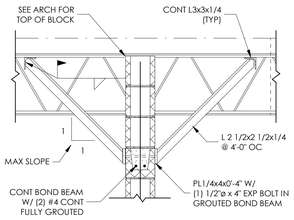
* ALTERNATIVELY, PROVIDE 1 1/2x1 1/2x16 GA HORIZONTAL CHANNEL FASTENED TO STUDS WITH 1 1/2x1 1/2x14 GA CLIP AT 4'-0" OC VERTICALLY



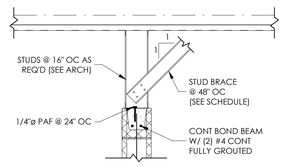
TYPE A (FLOOR)



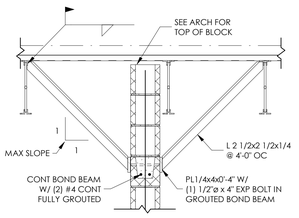
TYPE D (FLOOR/ROOF)



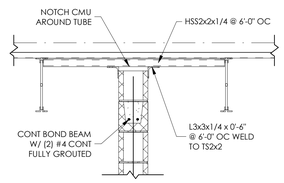
TYPE B (FLOOR / ROOF)



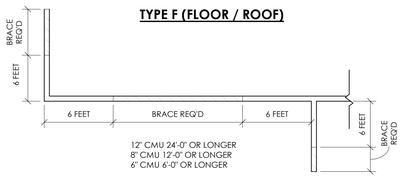
TYPE E (FLOOR / ROOF)



TYPE C (FLOOR / ROOF)



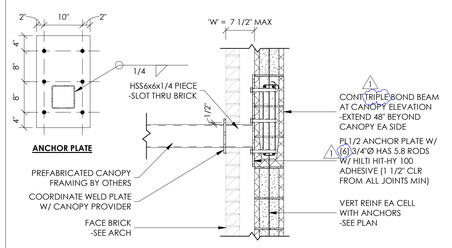
TYPE F (FLOOR / ROOF)



NOTES: INTERIOR LOCATIONS ONLY
1. NON-LOAD BEARING MASONRY WALL BRACES, BRACING AT THE TOP OF MASONRY WALLS IS REQUIRED ON STRAIGHT RUNS OF WALL MORE THAN SIX FEET FROM A CORNER, INTERSECTING WALL, OR AS NOTED ABOVE.
2. WHEN THE MASONRY WALL TERMINATES AT THE BOTTOM OF THE DECK, A TYPE 'A' ATTACHMENT AT THE FLOOR DECK OR A TYPE 'B', 'C', 'D' OR 'F' ATTACHMENT AT EITHER THE FLOOR OR ROOF MAY BE USED. WHEN WALLS TERMINATE ABOVE THE CEILING A TYPE 'B', 'C' OR 'E' ATTACHMENT SHOULD BE USED.

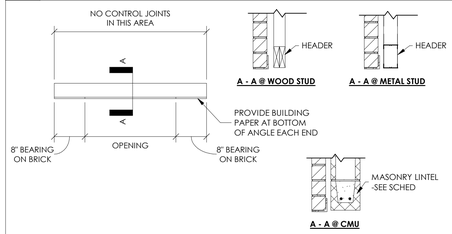
TYPICAL CMU WALL BRACING LOCATION PLAN

18 TYPICAL NON LOAD BEARING CMU WALL BRACE CONNECTION DETAILS
SCALE: 3/4" = 1'-0"



NOTE:
1. CONNECTION AS DETAILED IS PRELIMINARY. ENGINEERED SHOP DRAWINGS WITH REACTIONS SHALL BE PROVIDED FROM THE CANOPY DESIGNER FOR REVIEW PRIOR TO INSTALLATION.
2. THE CONNECTION IS DESIGNED FOR THE FOLLOWING PRELIMINARY LOADS, APPLIED AT 'W' DISTANCE FROM THE FACE OF CMU:
   A. DEAD + SNOW
      a. 150DLB
      b. 4500LB*FT
   B. DEAD + 0.6WIND
      a. 50DLB
      b. 1500LB*FT
3. SEE DETAIL 12/S14.10 FOR PREFAB CANOPY SUPPORT DETAIL AT EXISTING

12 PREFABRICATED CANOPY SUPPORT DETAIL AT NEW
SCALE: 3/4" = 1'-0"



BRICK LOOSE LINTEL SCHEDULE

OPENING	ANGLE SIZE
LESS THAN 5'-0"	L 3 1/2 x 3 1/2 x 5/16
5'-0" TO LESS THAN 6'-0"	L 5 x 3 1/2 x 5/16 (LLV)
6'-0" TO LESS THAN 8'-0"	L 6 x 3 1/2 x 5/16 (LLV)
8'-0" TO LESS THAN 9'-0"	L 7 x 4 x 3/8 (LLV)

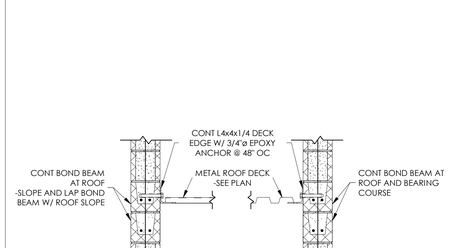
NOTES:
1. LLV = LONG LEG VERTICAL
2. GALVANIZE ALL LINTEL ANGLES.
3. ANGLE SIZES ARE MIN - SEE ARCHITECTURAL DRAWINGS.

11 BRICK LOOSE LINTEL SCHEDULE
SCALE: 3/4" = 1'-0"

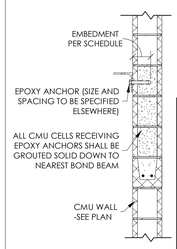
MASONRY LAP SPLICE LENGTHS, Fm = 1,900 psi. GRADE 60 REINFORCEMENT IN CENTER OF WALL, in.

BAR SIZE	6-in. CMU	8-in. CMU	10-in. CMU	12-in. CMU	BAR SIZE
#3	12	12	12	12	#3
#4	20	15	12	12	#4
#5	32	23	18	15	#5
#6	54	43	34	28	#6
#7	N/A	60	46	38	#7
#8	N/A	72	71	57	#8
#9	N/A	N/A	82	74	#9

10 MASONRY LAP SPLICE LENGTH SCHEDULE
SCALE: 3/4" = 1'-0"



8 TYPICAL DECK EDGE AT MASONRY
SCALE: 3/4" = 1'-0"



EPOXY ANCHOR SCHEDULE

SPECIFIED DIAMETER	EMBEDMENT DEPTH
1/2"	4 1/2"
5/8"	5 5/8"
3/4"	6 3/4"

NOTES:
1. THIS DETAIL SHALL APPLY AT ALL LOCATIONS WHERE EPOXY OR ADHESIVE ANCHORS ARE SPECIFIED WITHIN THE DRAWINGS.
2. ALL THREADED RODS FOR EPOXY ANCHORS SHALL BE MADE FROM EITHER A307 OR A36 STEEL.
3. IF GREATER EMBEDMENT DEPTHS ARE SPECIFIED IN THE DRAWINGS, THOSE EMBEDMENT DEPTHS SHALL GOVERN.
4. EPOXY ANCHORS IN CMU AND CONCRETE SHALL BE LOCATED AT LEAST 4" AWAY FROM ALL EDGES. THE CENTER TO CENTER SPACING OF EPOXY ANCHORS SHALL NOT BE LESS THAN 8", WHERE EPOXY ANCHORS ARE LOCATED IN CMU, THERES SHALL BE A MAXIMUM OF ONE ANCHOR PER CELL.
5. ALL EPOXY ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS (INCLUDING HOLE DIAMETERS, HOLE CLEANING PROCEDURES, TORQUE SPECIFICATIONS, AND SPECIAL INSPECTIONS).
6. HILTI HIT-HY 270 ADHESIVE ANCHORING SYSTEM SHALL BE USED AT ALL ADHESIVE ANCHORS IN CMU.

7 TYPICAL EPOXY ANCHOR DETAIL
SCALE: 3/4" = 1'-0"

CMU WALL SCHEDULE

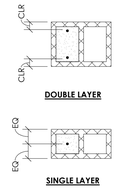
DESCRIPTION	SIZE	WALL HEIGHT	VERTICAL REINFORCEMENT
EXTERIOR WALLS	12"	H ≤ 30'-0"	#6 @ 32" OC
	8"	20'-0" < H ≤ 25'-0"	#7 @ 24" OC
		14'-0" < H ≤ 20'-0"	#5 @ 32" OC
		0'-0" H ≤ 14'-0"	#4 @ 48" OC
INTERIOR WALLS	12"	H ≤ 30'-0"	#4 @ 48" OC
	8"	MAIN CORRIDOR WALLS	#5 @ 32" OC
		20'-0" < H ≤ 30'-0"	#5 @ 48" OC
		0'-0" < H ≤ 20'-0"	#4 @ 48" OC
	6"	ALL HEIGHTS	#4 @ 48" OC

NOTES:
1. WALL HEIGHT, H, SHALL BE CONSIDERED AS THE DISTANCE BETWEEN LATERAL SUPPORTS
2. ALL DOWELS TO FLOOR SLAB SHALL MATCH SIZE & SPACING OF VERTICAL REINFORCEMENT
3. UNLESS NOTED OTHERWISE ON PLANS, PROVIDE (2) #4 CONT. IN FULLY GROUTED BOND BEAM SPACED @ 8'-0" O.C. VERTICALLY (MAX) (2) #5 IN 12" CMU WALLS)
4. ALL CELLS WITH REINFORCING SHALL BE FULLY GROUTED
5. Fm = 1,900 PSI

6 NON-LOAD BEARING CMU WALL SCHEDULE
SCALE: 3/4" = 1'-0"

REBAR CLEARANCE SCHEDULE

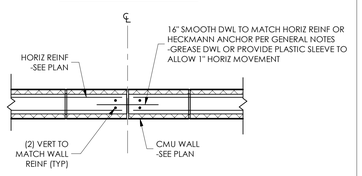
EXPOSED TO WEATHER OR EARTH	
BARS LARGER THAN #5	2"
#5 OR SMALLER	1 1/2"
NOT EXPOSED TO WEATHER OR EARTH	
ALL BARS	1 1/2"



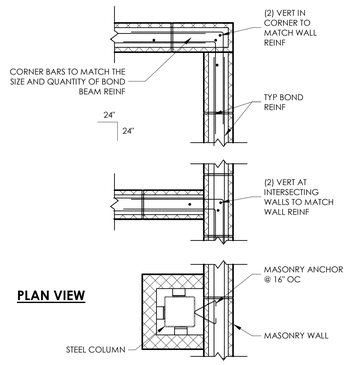
NOTES:
1. ALL CELLS WITH REINFORCEMENT SHALL BE SOLID GROUTED. CELLS ARE TO BE CLEAN AND FREE OF EXCESS MORTAR AND DEBRIS.
2. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
3. ALL REINFORCEMENT SHALL BE PLACED PRIOR TO POURING OF GROUT.

4 REBAR PLACEMENT DETAIL
SCALE: 3/4" = 1'-0"

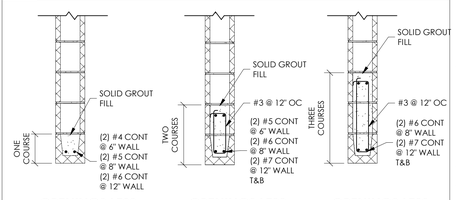
NOTE:
CONTROL JOINTS SHALL NOT BE LOCATED CLOSER THAN 2'-0" FROM ALL OPENINGS



3 TYPICAL CONTROL JOINT DETAIL
SCALE: 3/4" = 1'-0"



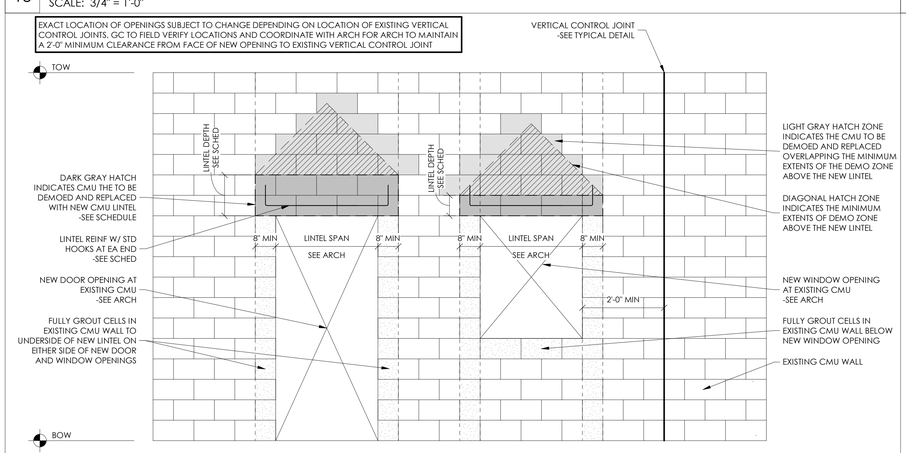
2 CMU REINFORCING AND ANCHOR PLAN
SCALE: 3/4" = 1'-0"



NOTES:
1. PROVIDE BLOCK LINTELS FOR ALL OPENINGS IN INTERIOR & EXTERIOR BLOCK WALLS FOR WHICH STEEL LINTELS ARE NOT SCHEDULED. SEE ARCHITECTURAL DRAWINGS FOR SIZE & LOCATION OF OPENINGS.
2. PROVIDE 8" MIN BEARING EACH END OF LINTEL.
3. PROVIDE (2) VERTICAL BARS TO MATCH TYPICAL WALL REINFORCEMENT IN FULLY GROUTED CELLS AT EACH JAMB.
4. PROVIDE (2) #4 IN BOND BEAM AT SILL FOR OPENINGS LESS THAN 5'-0", (2) #5 FOR OPENINGS LESS THAN 10'-0" OR (2) #6 FOR OPENINGS LESS THAN 15'-0".

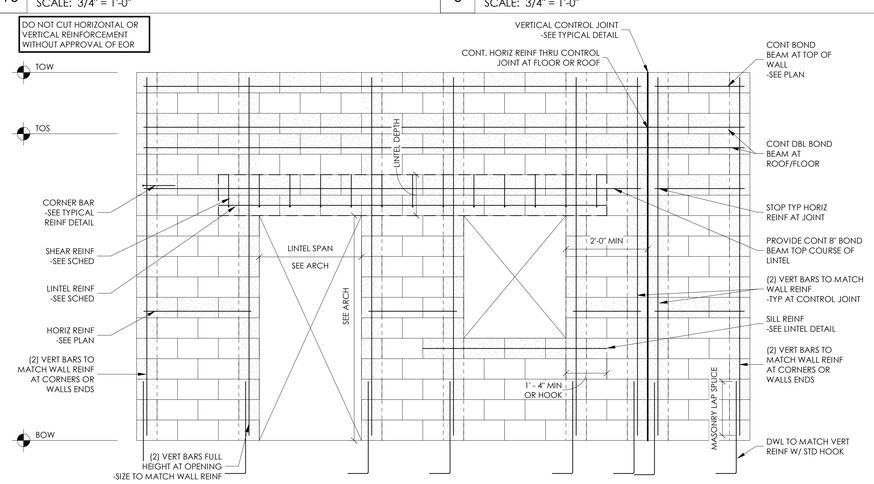
1 MASONRY LINTEL SCHEDULE
SCALE: 3/4" = 1'-0"

EXACT LOCATION OF OPENINGS SUBJECT TO CHANGE DEPENDING ON LOCATION OF EXISTING VERTICAL CONTROL JOINTS. GC TO FIELD VERIFY LOCATIONS AND COORDINATE WITH ARCH FOR ARCH TO MAINTAIN A 2'-0" MINIMUM CLEARANCE FROM FACE OF NEW OPENING TO EXISTING VERTICAL CONTROL JOINT



17 EXISTING MASONRY WALL ELEVATION W/ NEW POST-INSTALLED CMU LINTEL AT NEW OPENING
SCALE: 1/2" = 1'-0"

DO NOT CUT HORIZONTAL OR VERTICAL REINFORCEMENT WITHOUT APPROVAL OF EOR



9 TYPICAL MASONRY WALL ELEVATION
SCALE: 1/2" = 1'-0"

VLK|ARCHITECTS

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

STRUCTURAL
Dunaway
3200 Wilcrest Dr. Ste 4400
Houston, Texas 77042
Main Phone: 512.306.8252
www.dunaway.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

STATE OF TEXAS
SARAH A. WILLIS
122156
LICENSED PROFESSIONAL ENGINEER
TX F1114
3/6/25

ISSUED: 02/24/2025

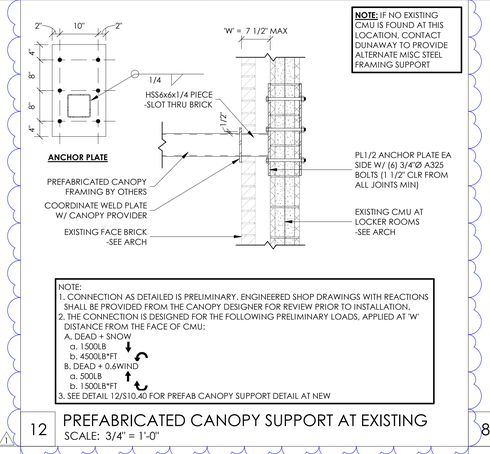
Revision No.	Revision Date
1 ADDENDUM 1	03/06/25

Director SW	Drawn By LM
Designer AB	Quality Control SW
Proj. Eng. AB	

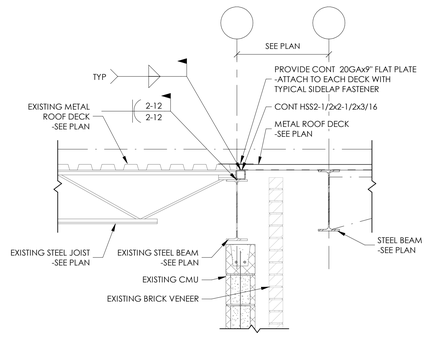
PROJECT NO.
11364

SHEET TITLE
TYPICAL MASONRY DETAILS

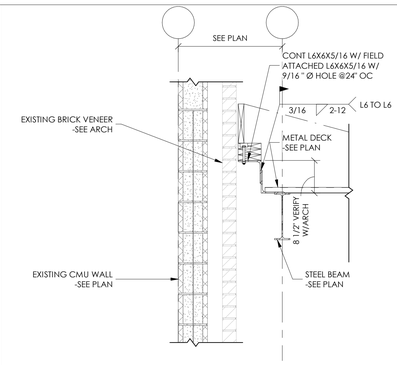
SHEET NO.
S10.40



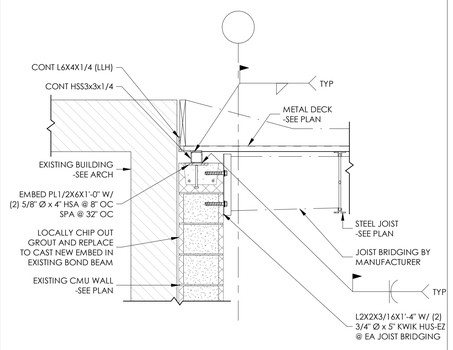
12 PREFABRICATED CANOPY SUPPORT AT EXISTING
SCALE: 3/4" = 1'-0"



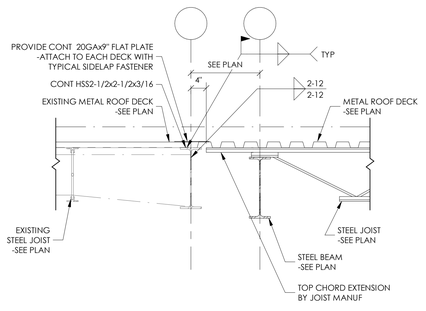
8 EDGE DETAIL AT EXISTING ROOF
SCALE: 3/4" = 1'-0"



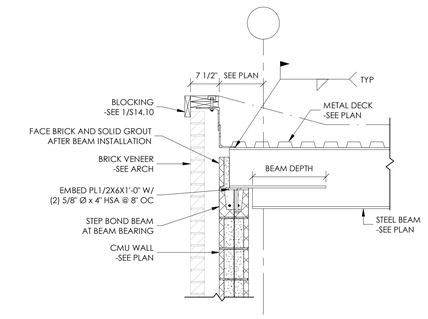
4 EDGE DETAIL AT EXISTING AT ROOF
SCALE: 3/4" = 1'-0"



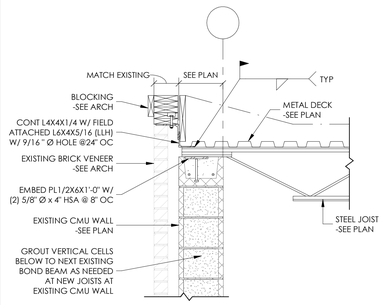
11 EDGE DETAIL AT ROOF AT EXISTING
SCALE: 3/4" = 1'-0"



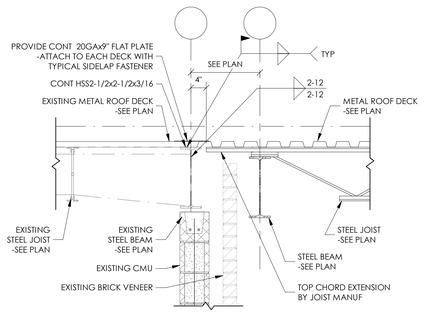
7 EDGE DETAIL AT ROOF AT EXISTING
SCALE: 3/4" = 1'-0"



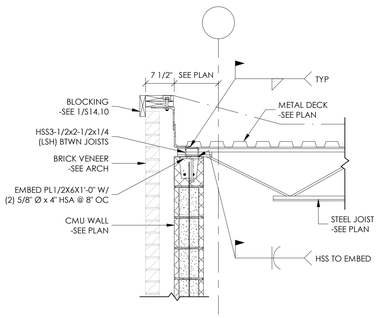
3 EDGE DETAIL AT ROOF
SCALE: 3/4" = 1'-0"



10 EDGE DETAIL AT ROOF AT EXISTING
SCALE: 3/4" = 1'-0"

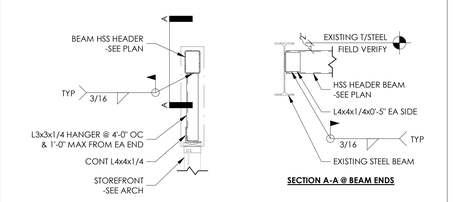


6 EDGE DETAIL AT ROOF AT EXISTING
SCALE: 3/4" = 1'-0"



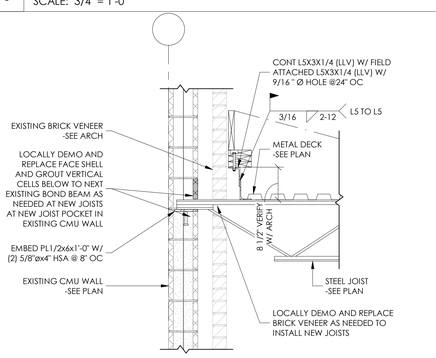
2 EDGE DETAIL AT ROOF
SCALE: 3/4" = 1'-0"

NOTE:
PRIOR TO INSTALLATION OF NEW STEEL, GC TO FIELD VERIFY SIZE OF EXISTING STEEL BEAMS SUPPORTING EITHER END OF THIS NEW HSS HEADER BEAM AND PROVIDE MEASUREMENTS TO DUNAWAY TO VERIFY WHETHER THE EXISTING BEAMS HAVE ADEQUATE CAPACITY OR REQUIRE ADDITIONAL REINFORCEMENT.

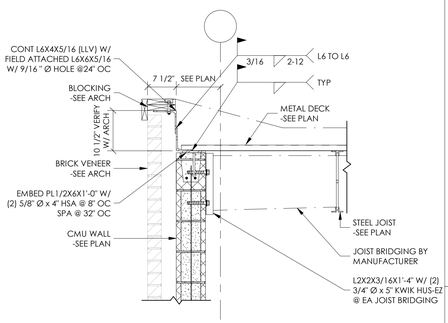


SECTION A-A @ BEAM ENDS

9 HARDENED ENTRANCE NEW HEADER AT EXISTING
SCALE: 3/4" = 1'-0"



5 EDGE DETAIL AT ROOF AT EXISTING
SCALE: 3/4" = 1'-0"



1 EDGE DETAIL AT ROOF
SCALE: 3/4" = 1'-0"

VLK|ARCHITECTS

ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

STRUCTURAL

Dunaway
3200 Wilcrest Dr. Ste 4400
Houston, Texas 77042
Main Phone: 512.306.8252
www.dunaway.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

SARAH A. WILLIS
122156
LICENSED
PROFESSIONAL ENGINEER
STATE OF TEXAS
TX F1114
3/6/25

ISSUED: 02/24/2025

Revision No.	Revision Date
1 ADDENDUM 1	03/06/25

Director SW	Drawn By LM
Designer AB	Quality Control SW
Proj. Eng. AB	

PROJECT NO.
11364

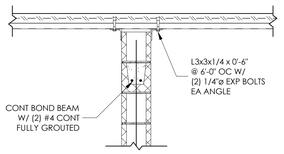
SHEET TITLE
ROOF FRAMING DETAILS

SHEET NO.
S14.10

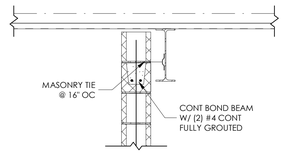
BRACE FRAMING			
STUD TYPE	SPACING	MAX LENGTH	MISCELLANEOUS
362S162-43	4'-0" OC	14'-0"	BRACE @ MID-PT FOR LENGTHS OVER 14'-0"
600S162-43	4'-0" OC	20'-0"	BRACE @ MID-PT FOR LENGTHS OVER 20'-0"

VERTICAL FRAMING			
STUD TYPE	SPACING	MAX LENGTH	MISCELLANEOUS
362S162-43	1'-4" OC	22'-6"	ONE LAYER * SHEATHING (MIN)
600S162-43	1'-4" OC	32'-9"	ONE LAYER * SHEATHING (MIN)

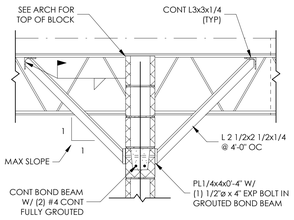
* ALTERNATIVELY, PROVIDE 1 1/2x1 1/2x16 GA HORIZONTAL CHANNEL FASTENED TO STUDS WITH 1 1/2x1 1/2x14 GA CLIP AT 4'-0" OC VERTICALLY



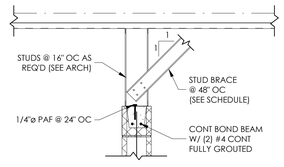
TYPE A (FLOOR)



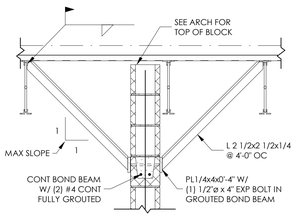
TYPE D (FLOOR/ROOF)



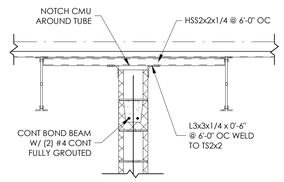
TYPE B (FLOOR / ROOF)



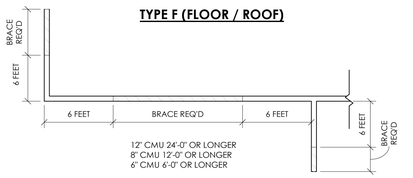
TYPE E (FLOOR / ROOF)



TYPE C (FLOOR / ROOF)



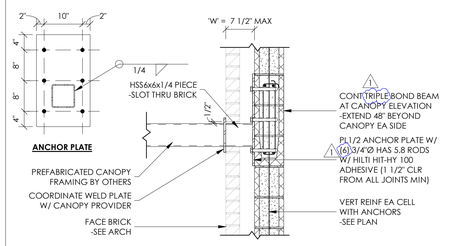
TYPE F (FLOOR / ROOF)



NOTES: INTERIOR LOCATIONS ONLY
1. NON-LOAD BEARING MASONRY WALL BRACES, BRACING AT THE TOP OF MASONRY WALLS IS REQUIRED ON STRAIGHT RUNS OF WALL MORE THAN SIX FEET FROM A CORNER, INTERSECTING WALL, OR AS NOTED ABOVE.
2. WHEN THE MASONRY WALL TERMINATES AT THE BOTTOM OF THE DECK, A TYPE 'A' ATTACHMENT AT THE FLOOR DECK OR A TYPE 'B', 'C', 'D' OR 'F' ATTACHMENT AT EITHER THE FLOOR OR ROOF MAY BE USED. WHEN WALLS TERMINATE ABOVE THE CEILING A TYPE 'B', 'C' OR 'E' ATTACHMENT SHOULD BE USED.

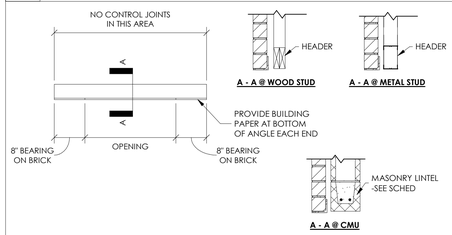
TYPICAL CMU WALL BRACING LOCATION PLAN

18 TYPICAL NON LOAD BEARING CMU WALL BRACE CONNECTION DETAILS
SCALE: 3/4" = 1'-0"



NOTE:
1. CONNECTION AS DETAILED IS PRELIMINARY. ENGINEERED SHOP DRAWINGS WITH REACTIONS SHALL BE PROVIDED FROM THE CANOPY DESIGNER FOR REVIEW PRIOR TO INSTALLATION.
2. THE CONNECTION IS DESIGNED FOR THE FOLLOWING PRELIMINARY LOADS, APPLIED AT 'W' DISTANCE FROM THE FACE OF CMU:
A. DEAD + SNOW
a. 1500LB
b. 4500LB*FT
B. DEAD + 0.6WIND
a. 500LB
b. 1500LB*FT

12 PREFABRICATED CANOPY SUPPORT DETAIL
SCALE: 3/4" = 1'-0"



BRICK LOOSE LINTEL SCHEDULE	
OPENING	ANGLE SIZE
LESS THAN 5'-0"	L 3 1/2 x 3 1/2 x 5/16
5'-0" TO LESS THAN 6'-0"	L 5 x 3 1/2 x 5/16 (LLV)
6'-0" TO LESS THAN 8'-0"	L 6 x 3 1/2 x 5/16 (LLV)
8'-0" TO LESS THAN 9'-0"	L 7 x 4 x 3/8 (LLV)

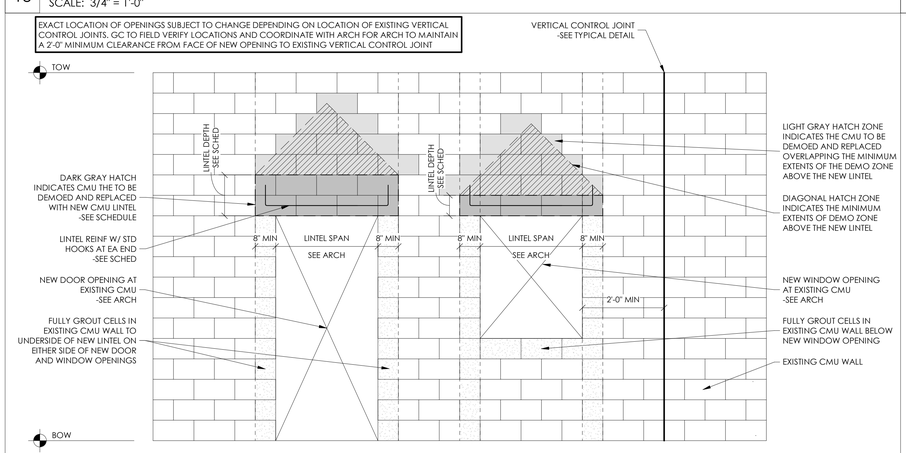
NOTES:
1. LLV = LONG LEG VERTICAL
2. GALVANIZE ALL LINTEL ANGLES.
3. ANGLE SIZES ARE MIN - SEE ARCHITECTURAL DRAWINGS.

11 BRICK LOOSE LINTEL SCHEDULE
SCALE: 3/4" = 1'-0"

MASONRY LAP SPLICE LENGTHS, Fm = 1,900 psi. GRADE 60 REINFORCEMENT IN CENTER OF WALL, in.					
BAR SIZE	6-in. CMU	8-in. CMU	10-in. CMU	12-in. CMU	BAR SIZE
#3	12	12	12	12	#3
#4	20	15	12	12	#4
#5	32	23	18	15	#5
#6	54	43	34	28	#6
#7	N/A	60	46	38	#7
#8	N/A	72	71	57	#8
#9	N/A	N/A	82	74	#9

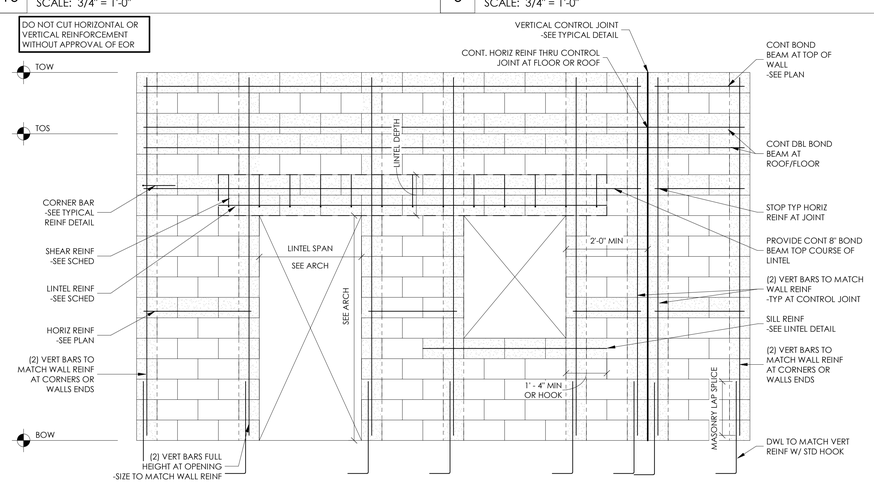
10 MASONRY LAP SPLICE LENGTH SCHEDULE
SCALE: 3/4" = 1'-0"

EXACT LOCATION OF OPENINGS SUBJECT TO CHANGE DEPENDING ON LOCATION OF EXISTING VERTICAL CONTROL JOINTS. GC TO FIELD VERIFY LOCATIONS AND COORDINATE WITH ARCH FOR ARCH TO MAINTAIN A 2'-0" MINIMUM CLEARANCE FROM FACE OF NEW OPENING TO EXISTING VERTICAL CONTROL JOINT

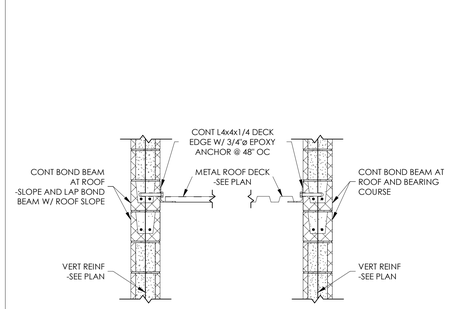


17 EXISTING MASONRY WALL ELEVATION W/ NEW POST-INSTALLED CMU LINTEL AT NEW OPENING
SCALE: 1/2" = 1'-0"

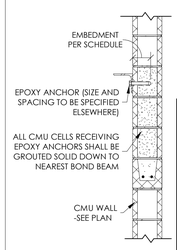
DO NOT CUT HORIZONTAL OR VERTICAL REINFORCEMENT WITHOUT APPROVAL OF EOR



9 TYPICAL MASONRY WALL ELEVATION
SCALE: 1/2" = 1'-0"



8 TYPICAL DECK EDGE AT MASONRY
SCALE: 3/4" = 1'-0"



EPOXY ANCHOR SCHEDULE	
SPECIFIED DIAMETER	EMBEDMENT DEPTH
1/2"	4 1/2"
5/8"	5 5/8"
3/4"	6 3/4"

NOTES:
1. THIS DETAIL SHALL APPLY AT ALL LOCATIONS WHERE EPOXY OR ADHESIVE ANCHORS ARE SPECIFIED WITHIN THE DRAWINGS.
2. ALL THREADED RODS FOR EPOXY ANCHORS SHALL BE MADE FROM EITHER A307 OR A36 STEEL.
3. IF GREATER EMBEDMENT DEPTHS ARE SPECIFIED IN THE DRAWINGS, THOSE EMBEDMENT DEPTHS SHALL GOVERN.
4. EPOXY ANCHORS IN CMU AND CONCRETE SHALL BE LOCATED AT LEAST 4" AWAY FROM ALL EDGES. THE CENTER TO CENTER SPACING OF EPOXY ANCHORS SHALL NOT BE LESS THAN 8". WHERE EPOXY ANCHORS ARE LOCATED IN CMU, THERES SHALL BE A MAXIMUM OF ONE ANCHOR PER CELL.
5. ALL EPOXY ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS (INCLUDING HOLE DIAMETERS, HOLE CLEANING PROCEDURES, TORQUE SPECIFICATIONS, AND SPECIAL INSPECTIONS).
6. HILTI HIT-HY 270 ADHESIVE ANCHORING SYSTEM SHALL BE USED AT ALL ADHESIVE ANCHORS IN CMU.

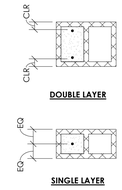
7 TYPICAL EPOXY ANCHOR DETAIL
SCALE: 3/4" = 1'-0"

CMU WALL SCHEDULE			
DESCRIPTION	SIZE	WALL HEIGHT	VERTICAL REINFORCEMENT
EXTERIOR WALLS	12"	H ≤ 30'-0"	#6 @ 32" OC
	8"	20'-0" < H ≤ 25'-0"	#7 @ 24" OC
		14'-0" < H ≤ 20'-0"	#5 @ 32" OC
		0'-0" H ≤ 14'-0"	#4 @ 48" OC
INTERIOR WALLS	12"	H ≤ 30'-0"	#4 @ 48" OC
	8"	MAIN CORRIDOR WALLS	#5 @ 32" OC
		20'-0" < H ≤ 30'-0"	#5 @ 48" OC
		0'-0" < H ≤ 20'-0"	#4 @ 48" OC
	6"	ALL HEIGHTS	#4 @ 48" OC

NOTES:
1. WALL HEIGHT, H, SHALL BE CONSIDERED AS THE DISTANCE BETWEEN LATERAL SUPPORTS
2. ALL DOWELS TO FLOOR SLAB SHALL MATCH SIZE & SPACING OF VERTICAL REINFORCEMENT
3. UNLESS NOTED OTHERWISE ON PLANS, PROVIDE (2) #4 CONT. IN FULLY GROUTED BOND BEAM SPACED @ 8'-0" O.C. VERTICALLY (MAX) (2) #5 IN 12" CMU WALLS)
4. ALL CELLS WITH REINFORCING SHALL BE FULLY GROUTED
5. Fm = 1,900 PSI

6 NON-LOAD BEARING CMU WALL SCHEDULE
SCALE: 3/4" = 1'-0"

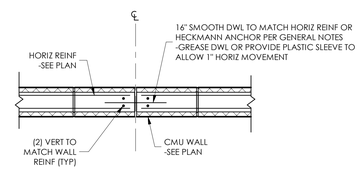
REBAR CLEARANCE SCHEDULE	
EXPOSED TO WEATHER OR EARTH	
BARS LARGER THAN #5	2"
#5 OR SMALLER	1 1/2"
NOT EXPOSED TO WEATHER OR EARTH	
ALL BARS	1 1/2"



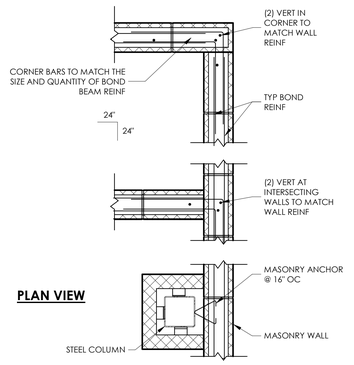
NOTES:
1. ALL CELLS WITH REINFORCEMENT SHALL BE SOLID GROUTED. CELLS ARE TO BE CLEAN AND FREE OF EXCESS MORTAR AND DEBRIS.
2. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
3. ALL REINFORCEMENT SHALL BE PLACED PRIOR TO POURING OF GROUT.

4 REBAR PLACEMENT DETAIL
SCALE: 3/4" = 1'-0"

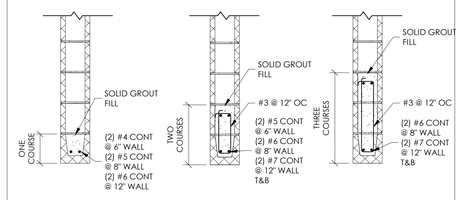
NOTE:
CONTROL JOINTS SHALL NOT BE LOCATED CLOSER THAN 2'-0" FROM ALL OPENINGS



3 TYPICAL CONTROL JOINT DETAIL
SCALE: 3/4" = 1'-0"



2 CMU REINFORCING AND ANCHOR PLAN
SCALE: 3/4" = 1'-0"



NOTES:
1. PROVIDE BLOCK LINTELS FOR ALL OPENINGS IN INTERIOR & EXTERIOR BLOCK WALLS FOR WHICH STEEL LINTELS ARE NOT SCHEDULED. SEE ARCHITECTURAL DRAWINGS FOR SIZE & LOCATION OF OPENINGS.
2. PROVIDE 8" MIN BEARING EACH END OF LINTEL.
3. PROVIDE (2) VERTICAL BARS TO MATCH TYPICAL WALL REINFORCEMENT IN FULLY GROUTED CELLS AT EACH JAMB.
4. PROVIDE (2) #4 IN BOND BEAM AT SILL FOR OPENINGS LESS THAN 5'-0", (2) #5 FOR OPENINGS LESS THAN 10'-0" OR (2) #6 FOR OPENINGS LESS THAN 15'-0".

1 MASONRY LINTEL SCHEDULE
SCALE: 3/4" = 1'-0"

VLK|ARCHITECTS

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

STRUCTURAL
Dunaway
3200 Wilcrest Dr. Ste 4400
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ISSUED: 02/24/2025

REVISIONS

Revision No.	Revision Date
1 ADDENDUM 1	03/06/25

Director	Drawn By
SW	LM
Designer	Quality Control
AB	SW
Proj. Eng.	
AB	

PROJECT NO.
11365

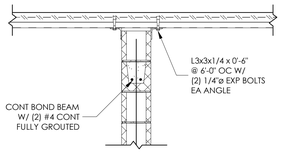
SHEET TITLE
TYPICAL MASONRY DETAILS

SHEET NO.
S20.40

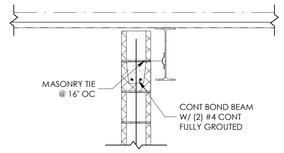
BRACE FRAMING			
STUD TYPE	SPACING	MAX LENGTH	MISCELLANEOUS
362S162-43	4'-0" OC	14'-0"	BRACE @ MID-PT FOR LENGTHS OVER 14'-0"
600S162-43	4'-0" OC	20'-0"	BRACE @ MID-PT FOR LENGTHS OVER 20'-0"

VERTICAL FRAMING			
STUD TYPE	SPACING	MAX LENGTH	MISCELLANEOUS
362S162-43	1'-4" OC	22'-6"	ONE LAYER * SHEATHING (MIN)
600S162-43	1'-4" OC	32'-9"	ONE LAYER * SHEATHING (MIN)

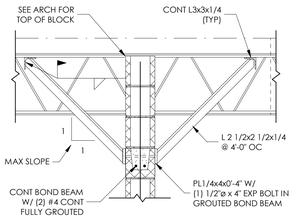
* ALTERNATIVELY, PROVIDE 1 1/2x1 1/2x16 GA HORIZONTAL CHANNEL FASTENED TO STUDS WITH 1 1/2x1 1/2x14 GA CLIP AT 4'-0" OC VERTICALLY



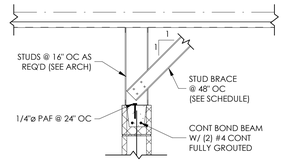
TYPE A (FLOOR)



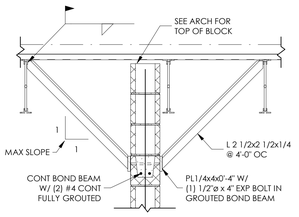
TYPE D (FLOOR/ROOF)



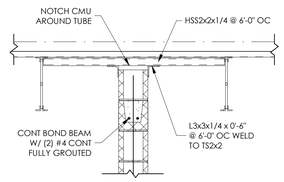
TYPE B (FLOOR / ROOF)



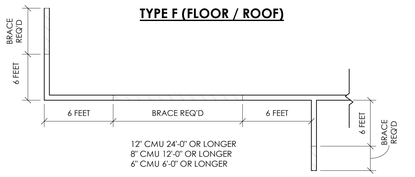
TYPE E (FLOOR / ROOF)



TYPE C (FLOOR / ROOF)



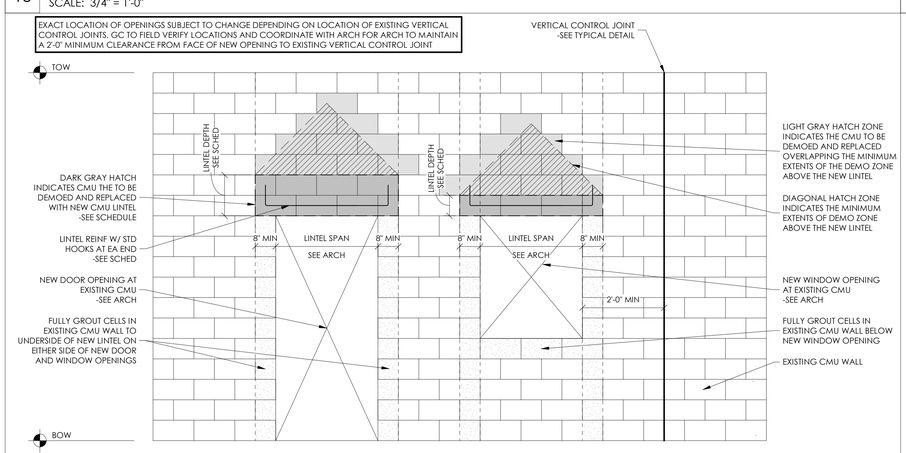
TYPE F (FLOOR / ROOF)



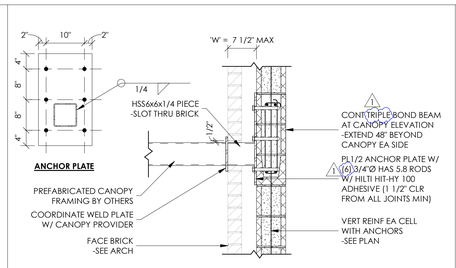
NOTES: INTERIOR LOCATIONS ONLY
1. NON-LOAD BEARING MASONRY WALL BRACES, BRACING AT THE TOP OF MASONRY WALLS IS REQUIRED ON STRAIGHT RUNS OF WALL MORE THAN SIX FEET FROM A CORNER, INTERSECTING WALL, OR AS NOTED ABOVE.
2. WHEN THE MASONRY WALL TERMINATES AT THE BOTTOM OF THE DECK, A TYPE 'A' ATTACHMENT AT THE FLOOR DECK OR A TYPE 'B', 'C', 'D' OR 'F' ATTACHMENT AT EITHER THE FLOOR OR ROOF MAY BE USED. WHEN WALLS TERMINATE ABOVE THE CEILING A TYPE 'B', 'C' OR 'E' ATTACHMENT SHOULD BE USED.

TYPICAL CMU WALL BRACING LOCATION PLAN

18 TYPICAL NON LOAD BEARING CMU WALL BRACE CONNECTION DETAILS
SCALE: 3/4" = 1'-0"

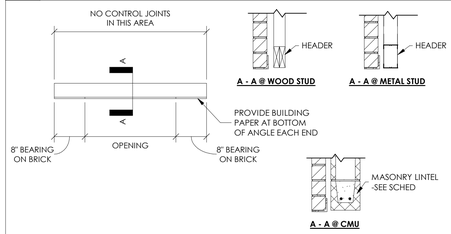


17 EXISTING MASONRY WALL ELEVATION W/ NEW POST-INSTALLED CMU LINTEL AT NEW OPENING
SCALE: 1/2" = 1'-0"



NOTE:
1. CONNECTION AS DETAILED IS PRELIMINARY. ENGINEERED SHOP DRAWINGS WITH REACTIONS SHALL BE PROVIDED FROM THE CANOPY DESIGNER FOR REVIEW PRIOR TO INSTALLATION.
2. THE CONNECTION IS DESIGNED FOR THE FOLLOWING PRELIMINARY LOADS, APPLIED AT 'W' DISTANCE FROM THE FACE OF CMU:
   A. DEAD + SNOW
      a. 1500LB
      b. 4500LB*FT
   B. DEAD + 0.6WIND
      a. 500LB
      b. 1500LB*FT

12 PREFABRICATED CANOPY SUPPORT DETAIL
SCALE: 3/4" = 1'-0"



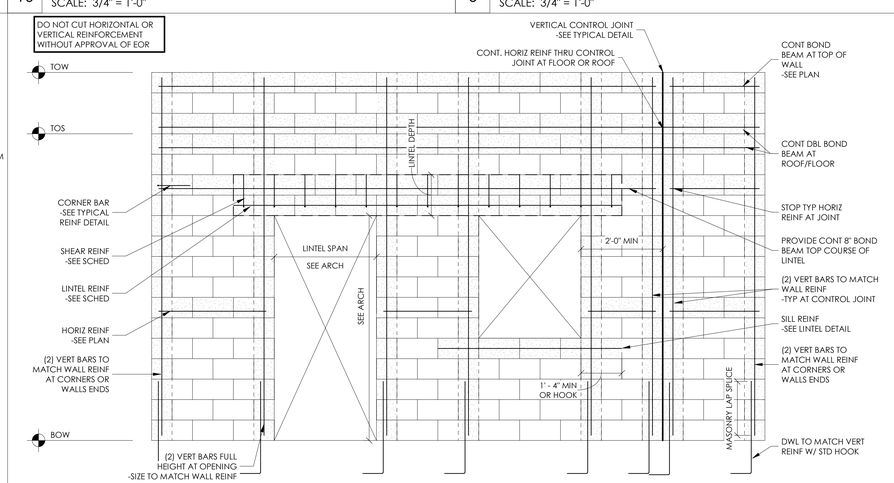
BRICK LOOSE LINTEL SCHEDULE	
OPENING	ANGLE SIZE
LESS THAN 5'-0"	L 3 1/2 x 3 1/2 x 5/16
5'-0" TO LESS THAN 6'-0"	L 5 x 3 1/2 x 5/16 (LLV)
6'-0" TO LESS THAN 8'-0"	L 6 x 3 1/2 x 5/16 (LLV)
8'-0" TO LESS THAN 9'-0"	L 7 x 4 x 3/8 (LLV)

NOTES:
1. LLV = LONG LEG VERTICAL
2. GALVANIZE ALL LINTEL ANGLES.
3. ANGLE SIZES ARE MIN - SEE ARCHITECTURAL DRAWINGS.

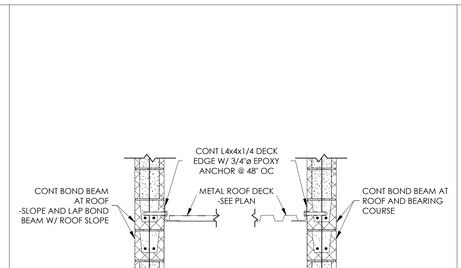
11 BRICK LOOSE LINTEL SCHEDULE
SCALE: 3/4" = 1'-0"

MASONRY LAP SPLICE LENGTHS, Fm = 1,900 psi. GRADE 60 REINFORCEMENT IN CENTER OF WALL, in.					
BAR SIZE	6-in. CMU	8-in. CMU	10-in. CMU	12-in. CMU	BAR SIZE
#3	12	12	12	12	#3
#4	20	15	12	12	#4
#5	32	23	18	15	#5
#6	54	43	34	28	#6
#7	N/A	60	46	38	#7
#8	N/A	72	71	57	#8
#9	N/A	N/A	82	74	#9

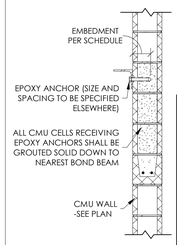
10 MASONRY LAP SPLICE LENGTH SCHEDULE
SCALE: 3/4" = 1'-0"



9 TYPICAL MASONRY WALL ELEVATION
SCALE: 1/2" = 1'-0"



8 TYPICAL DECK EDGE AT MASONRY
SCALE: 3/4" = 1'-0"



EPOXY ANCHOR SCHEDULE	
SPECIFIED DIAMETER	EMBEDMENT DEPTH
1/2"	4 1/2"
5/8"	5 5/8"
3/4"	6 3/4"

NOTES:
1. THIS DETAIL SHALL APPLY AT ALL LOCATIONS WHERE EPOXY OR ADHESIVE ANCHORS ARE SPECIFIED WITHIN THE DRAWINGS.
2. ALL THREADED RODS FOR EPOXY ANCHORS SHALL BE MADE FROM EITHER A307 OR A36 STEEL.
3. IF GREATER EMBEDMENT DEPTHS ARE SPECIFIED IN THE DRAWINGS, THOSE EMBEDMENT DEPTHS SHALL GOVERN.
4. EPOXY ANCHORS IN CMU AND CONCRETE SHALL BE LOCATED AT LEAST 4" AWAY FROM ALL EDGES. THE CENTER TO CENTER SPACING OF EPOXY ANCHORS SHALL NOT BE LESS THAN 8", WHERE EPOXY ANCHORS ARE LOCATED IN CMU, THERES SHALL BE A MAXIMUM OF ONE ANCHOR PER CELL.
5. ALL EPOXY ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS (INCLUDING HOLE DIAMETERS, HOLE CLEANING PROCEDURES, TORQUE SPECIFICATIONS, AND SPECIAL INSPECTIONS).
6. HILTI HIT-HY 270 ADHESIVE ANCHORING SYSTEM SHALL BE USED AT ALL ADHESIVE ANCHORS IN CMU.

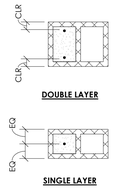
7 TYPICAL EPOXY ANCHOR DETAIL
SCALE: 3/4" = 1'-0"

CMU WALL SCHEDULE			
DESCRIPTION	SIZE	WALL HEIGHT	VERTICAL REINFORCEMENT
EXTERIOR WALLS	12"	H ≤ 30'-0"	#6 @ 32" OC
	8"	20'-0" < H ≤ 25'-0"	#7 @ 24" OC
		14'-0" < H ≤ 20'-0"	#5 @ 32" OC
		0'-0" H ≤ 14'-0"	#4 @ 48" OC
INTERIOR WALLS	12"	H ≤ 30'-0"	#4 @ 48" OC
	8"	MAIN CORRIDOR WALLS	#5 @ 32" OC
		20'-0" < H ≤ 30'-0"	#5 @ 48" OC
		0'-0" < H ≤ 20'-0"	#4 @ 48" OC
	6"	ALL HEIGHTS	#4 @ 48" OC

NOTES:
1. WALL HEIGHT, H, SHALL BE CONSIDERED AS THE DISTANCE BETWEEN LATERAL SUPPORTS
2. ALL DOWELS TO FLOOR SLAB SHALL MATCH SIZE & SPACING OF VERTICAL REINFORCEMENT
3. UNLESS NOTED OTHERWISE ON PLANS, PROVIDE (2) #4 CONT. IN FULLY GROUTED BOND BEAM SPACED @ 8'-0" O.C. VERTICALLY (MAX) (2) #5 IN 12" CMU WALLS)
4. ALL CELLS WITH REINFORCING SHALL BE FULLY GROUTED
5. f'm = 1,900 PSI

6 NON-LOAD BEARING CMU WALL SCHEDULE
SCALE: 3/4" = 1'-0"

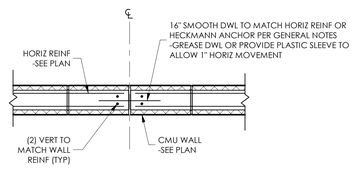
REBAR CLEARANCE SCHEDULE	
EXPOSED TO WEATHER OR EARTH	
BARS LARGER THAN #5	2"
#5 OR SMALLER	1 1/2"
NOT EXPOSED TO WEATHER OR EARTH	
ALL BARS	1 1/2"



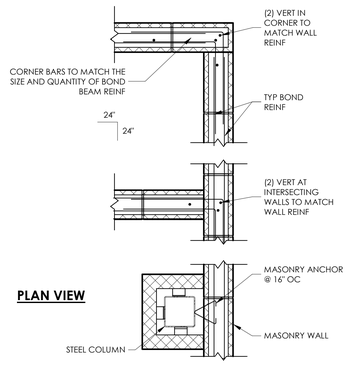
NOTES:
1. ALL CELLS WITH REINFORCEMENT SHALL BE SOLID GROUTED. CELLS ARE TO BE CLEAN AND FREE OF EXCESS MORTAR AND DEBRIS.
2. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
3. ALL REINFORCEMENT SHALL BE PLACED PRIOR TO POURING OF GROUT.

4 REBAR PLACEMENT DETAIL
SCALE: 3/4" = 1'-0"

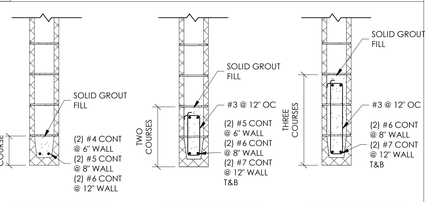
NOTE:
CONTROL JOINTS SHALL NOT BE LOCATED CLOSER THAN 2'-0" FROM ALL OPENINGS



3 TYPICAL CONTROL JOINT DETAIL
SCALE: 3/4" = 1'-0"



2 CMU REINFORCING AND ANCHOR PLAN
SCALE: 3/4" = 1'-0"



NOTES:
1. PROVIDE BLOCK LINTELS FOR ALL OPENINGS IN INTERIOR & EXTERIOR BLOCK WALLS FOR WHICH STEEL LINTELS ARE NOT SCHEDULED. SEE ARCHITECTURAL DRAWINGS FOR SIZE & LOCATION OF OPENINGS.
2. PROVIDE 8" MIN BEARING EACH END OF LINTEL.
3. PROVIDE (2) VERTICAL BARS TO MATCH TYPICAL WALL REINFORCEMENT IN FULLY GROUTED CELLS AT EACH JAMB.
4. PROVIDE (2) #4 IN BOND BEAM AT SILL FOR OPENINGS LESS THAN 5'-0", (2) #5 FOR OPENINGS LESS THAN 10'-0" OR (2) #6 FOR OPENINGS LESS THAN 15'-0".

1 MASONRY LINTEL SCHEDULE
SCALE: 3/4" = 1'-0"

VLK|ARCHITECTS

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

STRUCTURAL
Dunaway
3200 Wilcrest Dr. Ste 4400
Houston, Texas 77042
Main Phone: 512.306.8252
www.dunaway.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations

SARAH A. WILLIS
122156
LICENSED
PROFESSIONAL ENGINEER
STATE OF TEXAS
TX F1114
3/6/25

ISSUED: 02/24/2025

REVISIONS

Revision No.	Revision Date
1 ADDENDUM 1	03/06/25

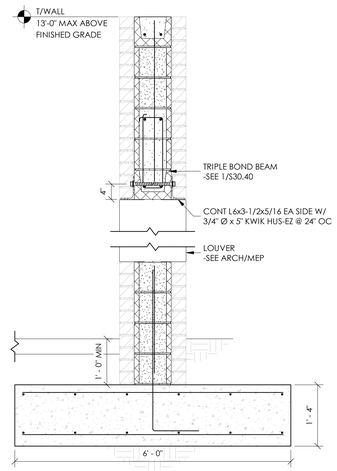
Director SW	Drawn By LM
Designer AB	Quality Control SW
Proj. Eng. AB	

PROJECT NO.
11366

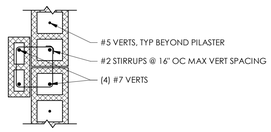
SHEET TITLE
TYPICAL MASONARY DETAILS

SHEET NO.
S30.40

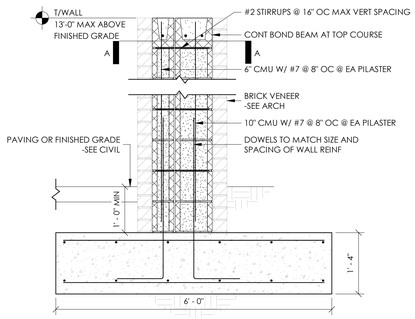
SEE DETAIL 13/S33.10 FOR ADDITIONAL INFORMATION



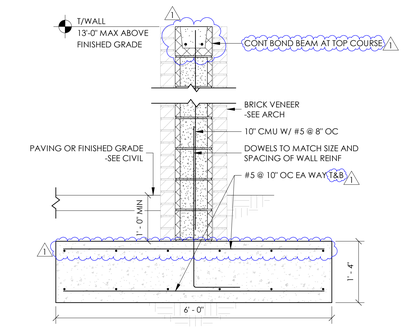
15 CMU SCREEN WALL AT MECHANICAL YARD LOUVER
SCALE: 3/4" = 1'-0"



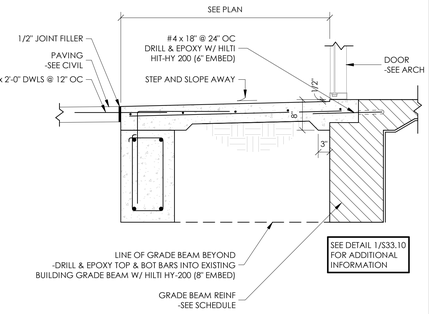
SECTION A-A



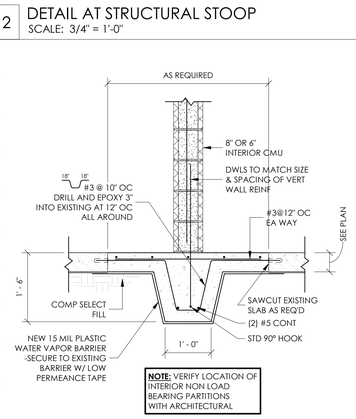
14 CMU SCREEN WALL PILASTER AT MECHANICAL YARD
SCALE: 3/4" = 1'-0"



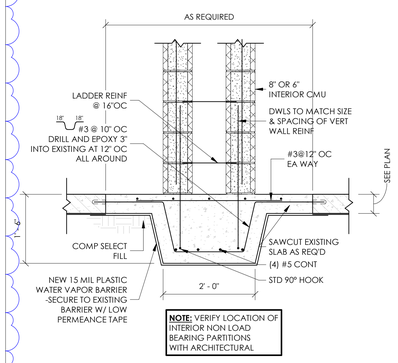
13 CMU SCREEN WALL AT MECHANICAL YARD
SCALE: 3/4" = 1'-0"



12 DETAIL AT STRUCTURAL STOOP
SCALE: 3/4" = 1'-0"

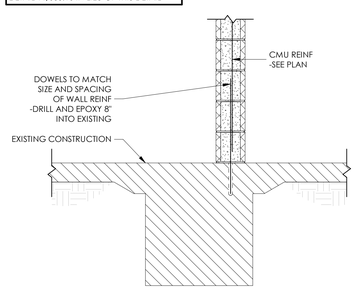


11 SHOVEL BEAM AT CMU WALL DETAIL
SCALE: 3/4" = 1'-0"



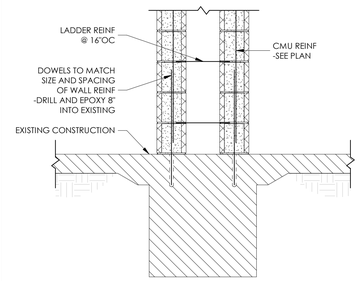
10 SHOVEL BEAM AT DOUBLE CMU WALL DETAIL
SCALE: 3/4" = 1'-0"

NOTE:
GC TO FIELD VERIFY EXISTING GRADE BEAM AT THIS LOCATION. IF NONE IS FOUND, USE DETAIL 11/S33.10 IN LIEU OF THIS DETAIL

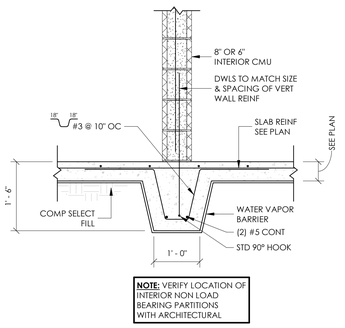


9 INTERIOR CMU AT EXISTING
SCALE: 3/4" = 1'-0"

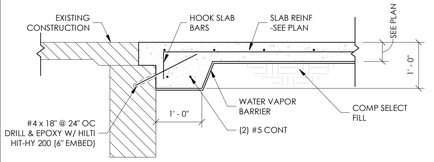
NOTE:
GC TO FIELD VERIFY EXISTING GRADE BEAM AT THIS LOCATION. IF NONE IS FOUND, USE DETAIL 10/S33.10 IN LIEU OF THIS DETAIL



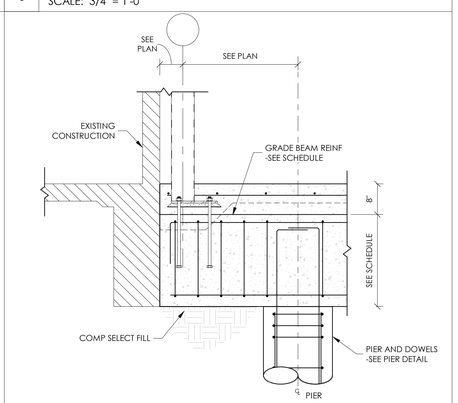
8 INTERIOR CMU AT EXISTING
SCALE: 3/4" = 1'-0"



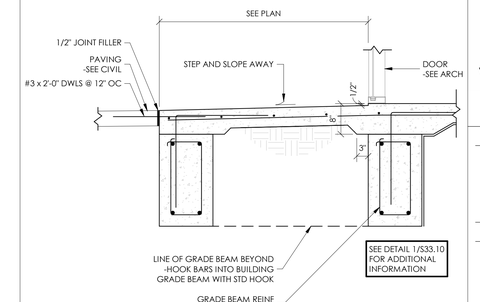
7 SHOVEL BEAM AT CMU WALL DETAIL
SCALE: 3/4" = 1'-0"



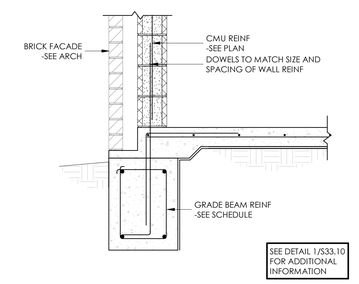
6 TYPICAL TURNDOWN AT EXISTING
SCALE: 3/4" = 1'-0"



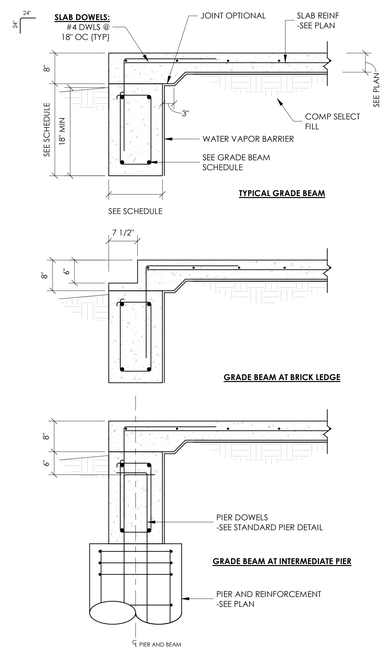
5 CANTILEVER GRADE BEAM AT COLUMN
SCALE: 3/4" = 1'-0"



4 DETAIL AT STRUCTURAL STOOP
SCALE: 3/4" = 1'-0"



3 EXTERIOR GRADE BEAM AT BRICK LEDGE
SCALE: 3/4" = 1'-0"



GRADE BEAM SCHEDULE				
MARK	WIDTH	DEPTH	REINFORCEMENT	FACE BARS
GB1	14"	24"	(2) #7 T&B #3 @ 10"OC	N/A
GB2	18"	24"	(3) #7 T&B #3 @ 10"OC	N/A
GB3	30"	24"	(8) #7 T&B #3 @ 10"OC	(1) #6 EA FACE

SCHEDULE NOTES:
1. SEE PLAN FOR GRADE BEAM MARKS.
2. ALL EXTERIOR GRADE BEAMS ARE MARK **GB1**, UNO.
3. WHERE A MARK IS SHOWN ON PLAN, THE GRADE BEAM REINFORCEMENT SHALL EXTEND FROM SUPPORT TO SUPPORT.
4. STIRRUPS REQUIRE (2) LEGS TYP, (3) LEGS WHEN WIDTH > 24", AND (4) LEGS WHEN WIDTH > 36"

1 EXTERIOR GRADE BEAM DETAIL
SCALE: 3/4" = 1'-0"

VLK|ARCHITECTS

ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

STRUCTURAL
Dunaway
3200 Wilcrest Dr. Ste 4400
Houston, Texas 77042
Main Phone: 512.306.8252
www.dunaway.com

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ISSUED: 02/24/2025

REVISIONS

Revision No.	Revision Date
1 ADDENDUM 1	03/06/25

Director	Drawn By
SW	LM
Designer	Quality Control
AB	SW
Proj. Eng.	
AB	

PROJECT NO.
11366

SHEET TITLE
FOUNDATION DETAILS

SHEET NO.
S33.10

MECHANICAL DEMOLITION GENERAL NOTES

1	THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEM.
2	ALL MECHANICAL SYSTEMS SHOWN ON THIS PLAN ARE FROM EXISTING DRAWINGS AND PRELIMINARY FIELD WORK. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL LOCATIONS AND SIZES OF MECHANICAL SYSTEMS PRIOR TO THE START OF WORK.

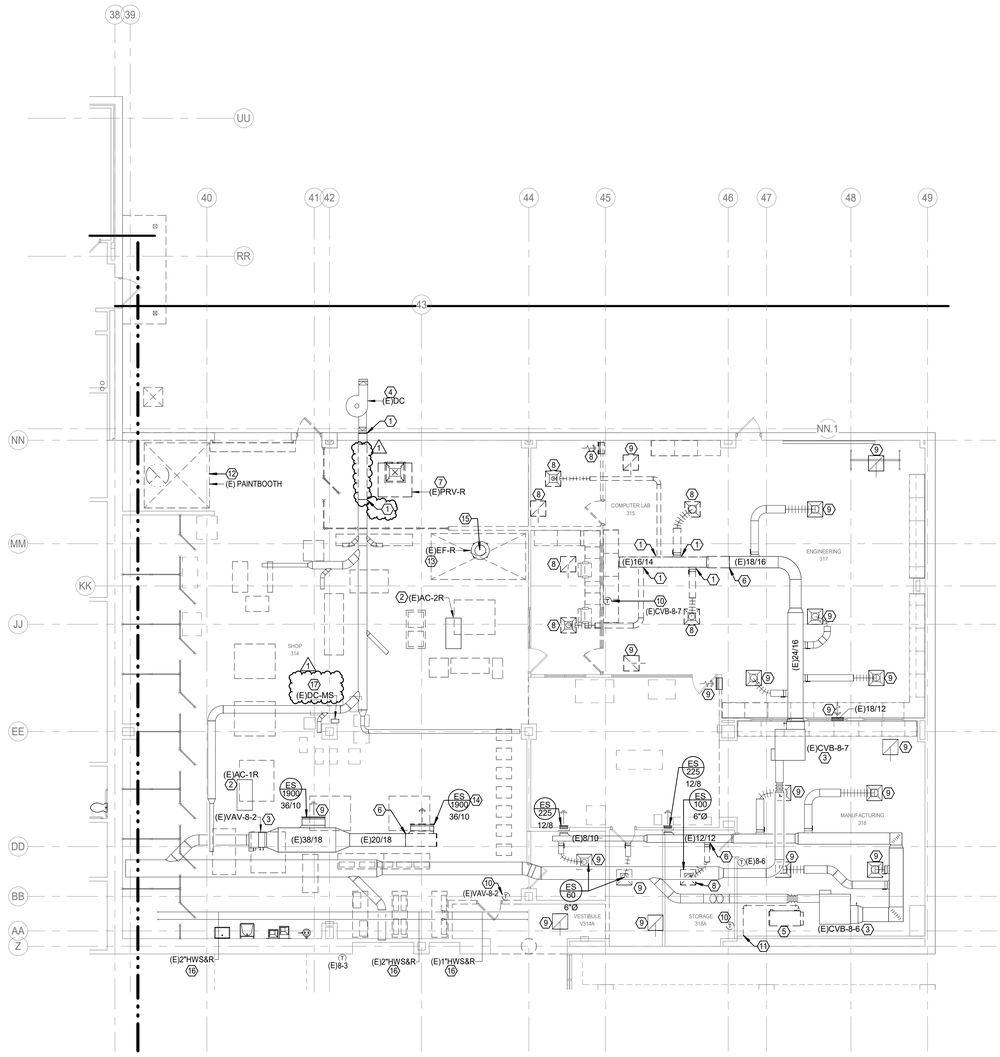
MECHANICAL DEMOLITION KEYED NOTES

1	REMOVE EXISTING DUCTWORK BACK TO POINT INDICATED.
2	EXISTING AIR RECIRCULATING UNIT TO REMAIN.
3	E XISTING TERMINAL UNIT TO REMAIN.
4	EXISTING DUST COLLECTOR AND ALL ASSOCIATED APPURTENANCES TO REMAIN AND BE REUSED.CONTRACTOR SHALL CLEAN, REPAIR, AND PROTECT FOR REUSE. REFER TO M12.03 FOR NEW LOCATION AND ROUTING.
5	REMOVE EXISTING SELF CONTAINED MINI MATE UNIT ALONG WITH ALL ASSOCIATED DUCTWORK AND APPURTENANCES.
6	REMOVE EXISTING DUCTWORK BACK TO POINT INDICATED. CAP, SEAL AND REINSULATE TO MATCH EXISTING.
7	REMOVE EXISTING INTAKE HOOD AND CURB ALONG WITH ALL ASSOCIATED APPURTENANCES.PATCH AND SEAL ROOF TO MATCH EXISTING CONDITIONS.
8	REMOVE EXISTING AIR DIFFUSER / GRILLE AND ASSOCIATED APPURTENANCES.
9	EXISTING AIR DIFFUSER/GRILLE SHALL REMAIN.
10	REMOVE EXISTING THERMOSTAT AND ALL ASSOCIATED WIRING.
11	REMOVE EXISTING CONDENSATE DRAIN ALONG WITH ALL ASSOCIATED APPURTENANCES.
12	REMOVE EXISTING PAINT BOOTH EXHAUST DUCT, FAN, HOOD, DUCTWORK AND ANY ASSOCIATED APPURTENANCES.PROVIDE TEMPORARY COVER TO ROOF OPENING. PREP FOR FUTURE REUSE.
13	EXISTING EXHAUST FAN TO REMAIN.
14	EXISTING GRILLE SHALL BE REMOVED AND RELOCATED. CONTRACTOR SHALL CLEAN, REPAIR, AND PROTECT FOR REUSE. RE: \M12.03 FOR NEW LOCATION.
15	REMOVE EXISTING EXHAUST DUCTWORK.
16	EXISTING CHILLED AND HOT WATER PIPING TO REMAIN.
17	EXISTING MOTOR STARTER AND ALL ASSOCIATED APPURTENANCES TO REMAIN AND BE REUSED. CONTRACTOR SHALL PROTECT FOR REUSE. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

CONTRACTOR SHALL PROVIDE DEHUMIDIFICATION DURING THE ENTIRE CONSTRUCTION SCHEDULE. THE SCOPE IS TO MAINTAIN ACCEPTABLE HUMIDITY LEVELS WITHIN THE BUILDING: THE REMOVAL OF EXCESS HUMIDITY FROM THE AIR THROUGHOUT THE BUILDING. PROVIDE MOISTURE CONTROL RENTAL EQUIPMENT AND SOLUTION FOR PREVENTING THE LONG-TERM EFFECTS OF MOISTURE LEVELS THAT CAN DAMAGE INTERIOR BUILDING MATERIALS, BOOKS, AND ELECTRONIC EQUIPMENT.

CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL REQUIRED POWER GENERATING EQUIPMENT.

PIPE INSULATION SHALL BE INSTALLED ON CLEAN AND DRY SURFACES ONLY. CONTRACTOR SHALL COORDINATE REMOVAL OF EXISTING INSULATION AND RE-INSULATION OF EXISTING CHILLED AND HOT WATER PIPING WITH OWNER, ARCHITECT AND ENGINEER PRIOR TO STARTING WORK TO ENSURE ANY REQUIRED CHILLED AND HOT WATER SHUTDOWNS ARE SCHEDULE AND ACCEPTABLE TO ALL PARTIES.



N 1 **MECHANICAL DEMOLITION FLOOR PLAN - LEVEL 1 - C - UNIT D.2**
Scale: 1/8" = 1'-0"

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

M.E.P. ENGINEER

Salas O'Brien
10930 W. Sam Houston Pkwy North
Houston, Texas 77064
Main Phone: 281.664.1900
www.salasobrien.com

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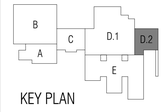
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations



KEY PLAN

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
03-06-25

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	ADDENDUM 01	03-06-2025

Director	Drawn By
Approver	Author
Designer	Quality Control
Designer	
Proj. Coord.	
Checker	

PROJECT NO.

24-010.00

SHEET TITLE

COOK - MECHANICAL DEMOLITION FLOOR PLAN - LEVEL 1 - UNIT D.2

SHEET NO.

M10.03

Salas O'Brien
Houston
10930 W. Sam Houston Pkwy North, Suite 900
Houston, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-00901-00

MECHANICAL GENERAL NOTES

1	ALL DUCTS ARE INSIDE CLEAR DIMENSIONS. INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.
2	COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS AND ARCHITECT'S REFLECTED CEILING PLAN.
3	THERMOSTATS SHALL BE MOUNTED AT +48" AFF, UNLESS OTHERWISE NOTED.
4	MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
5	ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEM.
6	CONTRACTOR SHALL REMOVE AND REPLACE CEILING WHERE REQUIRED TO COMPLETE INDICATED SCOPE OF WORK. EXISTING CEILING SHALL BE RE-INSTALLED IN THE EXACT CONDITION IT WAS REMOVED IN. DAMAGED CEILING AND/OR CEILING TILES SHALL BE REPLACED TO MATCH EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A MATCH IS NOT POSSIBLE, CONTRACTOR SHALL REPLACE ALL CEILING FROM WALL TO WALL OR BOUNDARY SEPARATING IN ADJOINING ROOMS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION.
7	THE USE OF CY-FAIR ISD MOBILE/NON-PERMANENT EQUIPMENT (I.E.: LADDERS, CART, DOLLIES, ETC.) IS STRICTLY PROHIBITED.

MECHANICAL KEYED NOTES

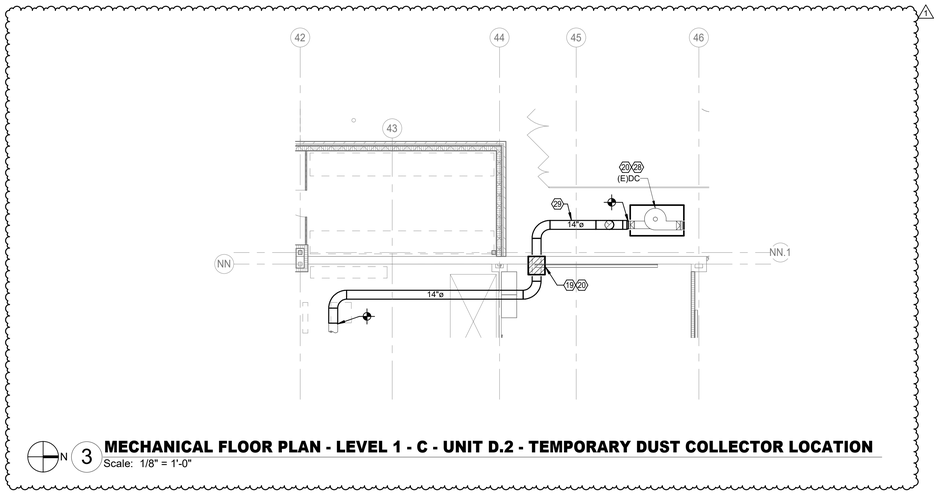
1	PROVIDE HARD WIRED THERMOSTAT.
2	PROVIDE THERMOSTAT FOR BMSC MONITOR.
4	PROVIDE WITH LITTLE GIANT CONDENSATE PUMP MODEL 554652 VCMA-20ULS-C-PRO, 1/30 HP, 115V/1PH/60HZ.
5	VERIFY SERVICE CLEARANCE FOR AIR FILTER REMOVAL WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
6	VERIFY SERVICE CLEARANCE FOR FAN SHAFT AND COIL REMOVAL WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
7	INSULATE ALL PIPINGS PER SPECIFICATIONS.
8	ROUTE REFRIGERANT PIPING FROM CONDENSING UNIT TO ASSOCIATED INDOOR UNIT. PIPING SHOWN SINGLE LINE FOR CLARITY.
9	ROUTE FULL SIZE CONDENSATE DRAINPIPE AS HIGH AS POSSIBLE AND GRAVITY DRAIN TO SINK WYE TAILPIECE. INSTALL TRAP AS RECOMMENDED BY MANUFACTURER. REFER TO PLUMBING FOR EXACT LOCATION.
10	PROVIDE AND INSTALL NEW INTAKE HOOD WITH MOTORIZED DAMPER. PROVIDE NEW ROOF OPENING AS NECESSARY.
11	ROOF MOUNTED EQUIPMENT SHALL BE MOUNTED ON ROOF CURB. RE: 10/M14.02
12	CONDENSING UNIT SHALL BE MOUNTED ON ROOF SUPPORT. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
13	BALANCE EXISTING SUPPLY AIR DIFFUSER TO CFM INDICATED.
14	PROVIDE ALL NEW, THERMOSTAT AND WIRE. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
15	ROUTE NEW EXHAUST DUCT FROM PAINT BOOTH UP AND THROUGH ROOF.
16	PROVIDE PHP MODEL PP-10 ON ROOF WITH ROLLER AND FULLY ADJUSTABLE HEIGHT THROUGHOUT PIPE RUN EVERY 6'-0" ON CENTER AND EVERY CHANGE IN DIRECTION. REFER TO 3/M14.01.
17	RE: 2/M12.03 FOR PAINT SPRAY BOOTH ELEVVATION.
18	PROVIDE PIPE SUPPORT. RE: M14.01 FOR DETAIL.
19	PROVIDE ECOMAXX NO RETURN EXPLOSION ISOLATION VALVE MODEL EM-NRV, WALL MOUNTED. PROVIDE REQUIRED SUPPORTS FOR WALL MOUNTING IN LOCATION SHOWN. INSTALL PER MANUFACTURER GUIDLINES.
20	VERIFY SERVICE CLEARANCE WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
21	FINAL LOCATION OF EXISTING DUST COLLECTOR WHEN ADDITION IS COMPLETED. PROVIDE WITH NEW 4" HOUSEKEEPING PAD.
22	NEW LOCATION OF EXISTING GRILLE.
23	INSTALL REFRIGERANT PIPES NOT LESS THAN 7'-3" AFF.
24	PROVIDE ISOLATION VALVE AT LOCATION SHOWN.
25	PROVIDE NEW BYPASS PIPING AND VALVES AS SHOWN TO ALLOW FOR ISOLATING THE NEW PIPING FROM THE EXISTING HYDRONIC LOOPS. TESTING, FLUSHING, AND TREATMENT OF NEW PIPING SHALL BE PERFORMED PRIOR TO OPENING THE NEW PIPING TO THE EXISTING HYDRONIC LOOPS. PURGERITE OR COMPARABLE COMPANY SHALL PROVIDE ASSISTANCE TO THE MECHANICAL CONTRACTOR PERFORM FLUSHING AND CLEANING AT DESIGN SYSTEM FLOW RATES. CHEMICAL TREATMENT MANUFACTURER SHALL TEST WATER TO CONFIRM COMPLIANCE OF FLUSHING AND TREATMENT OF WATER PRIOR TO OPENING THE NEW PIPING VALVES TO THE EXISTING HYDRONIC LOOPS.
26	ROUTE NEW EXHAUST AIR DUCTWORK FROM THE EXISTING HOOD UP TO EXISTING FAN ON ROOF. TRANSITION DUCTWORK AS NECESSARY TO MAKE COMPLETE CONNECTION. MATCH EXISTING CONDITIONS.
27	PROVIDE PIPE SUPPORT. RE:M14.01 FOR DETAILS.
28	TEMPORARY LOCATION OF EXISTING DUST COLLECTOR WHILE ADDITION IS BEING CONSTRUCTED. PROVIDE WITH 4" HOUSEKEEPING PAD.
29	PROVIDE DUCTWORK AS SHOWN TO CONNECT TO EXISTING DUST COLLECTOR FOR TEMPORARY RELOCATION.

CONTRACTOR SHALL PROVIDE DEHUMIDIFICATION DURING THE ENTIRE CONSTRUCTION SCHEDULE. THE SCOPE IS TO MAINTAIN ACCEPTABLE HUMIDITY LEVELS WITHIN THE BUILDING: THE REMOVAL OF EXCESS HUMIDITY FROM THE AIR THROUGHOUT THE BUILDING. PROVIDE MOISTURE CONTROL RENTAL EQUIPMENT AND SOLUTION FOR PREVENTING THE LONG-TERM EFFECTS OF MOISTURE LEVELS THAT CAN DAMAGE INTERIOR BUILDING MATERIALS, BOOKS, AND ELECTRONIC EQUIPMENT.

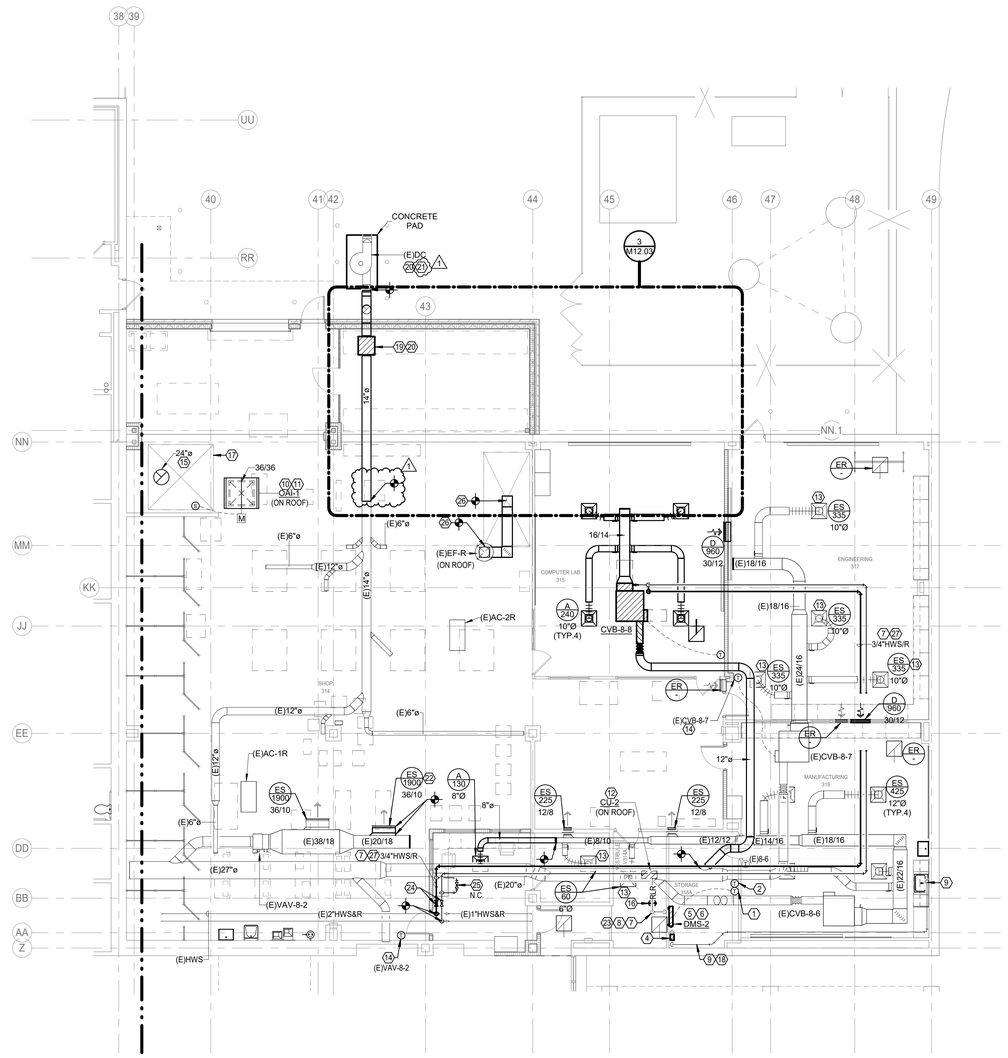
CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL REQUIRED POWER GENERATING EQUIPMENT.

PRIOR TO BID, CONTRACTOR AND EQUIPMENT MANUFACTURER SHALL VISIT SITE TO INVESTIGATE EXISTING FIELD CONDITIONS, UNIT SIZES AND MECHANICAL ROOM ACCESSIBILITY TO ENSURE PROPER PROVISIONS ARE PROVIDED TO ALLOW FOR INSTALLATIONS.

PIPE INSULATION SHALL BE INSTALLED ON CLEAN AND DRY SURFACES ONLY. CONTRACTOR SHALL COORDINATE REMOVAL OF EXISTING INSULATION AND RE-INSULATION OF EXISTING CHILLED AND HOT WATER PIPING WITH OWNER, ARCHITECT AND ENGINEER PRIOR TO STARTING WORK TO ENSURE ANY REQUIRED CHILLED AND HOT WATER SHUTDOWNS ARE SCHEDULE AND ACCEPTABLE TO ALL PARTIES.



N 3 **MECHANICAL FLOOR PLAN - LEVEL 1 - C - UNIT D.2 - TEMPORARY DUST COLLECTOR LOCATION**
Scale: 1/8" = 1'-0"



N 1 **MECHANICAL FLOOR PLAN - LEVEL 1 - C - UNIT D.2**
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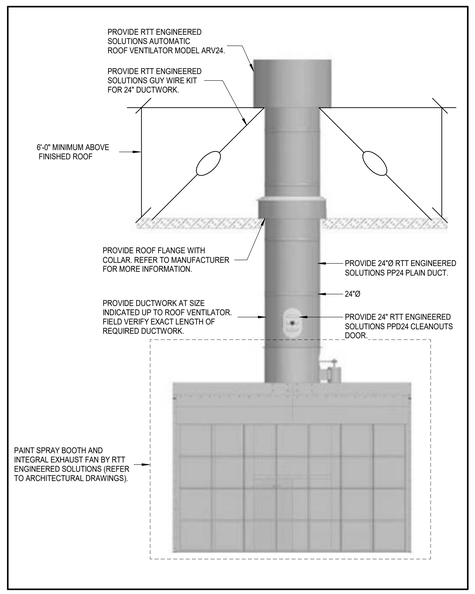

2 **PAINT SPRAY BOOTH ELEVATION**
Scale: 12" = 1'-0"

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ARCHITECT
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

M.E.P. ENGINEER
Salas O'Brien
10930 W. Sam Houston Pkwy North
Houston, Texas 77064
Main Phone: 281.664.1900
www.salasobrien.com

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HOUSTON, TEXAS

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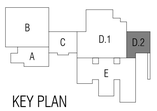


KEY PLAN

Issue For Proposal

BRADLEY KALMANS — 80219 — LICENSED PROFESSIONAL ENGINEER — STATE OF TEXAS
03-06-25

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	ADDENDUM 01	03-06-2025

Director	Drawn By
Approver	Author
Designer	Quality Control
Designer	
Proj. Coord.	
Checker	

PROJECT NO.
24-010.00

SHEET TITLE
COOK - MECHANICAL FLOOR PLAN - LEVEL 1 - UNIT D.2

SHEET NO.
M12.03

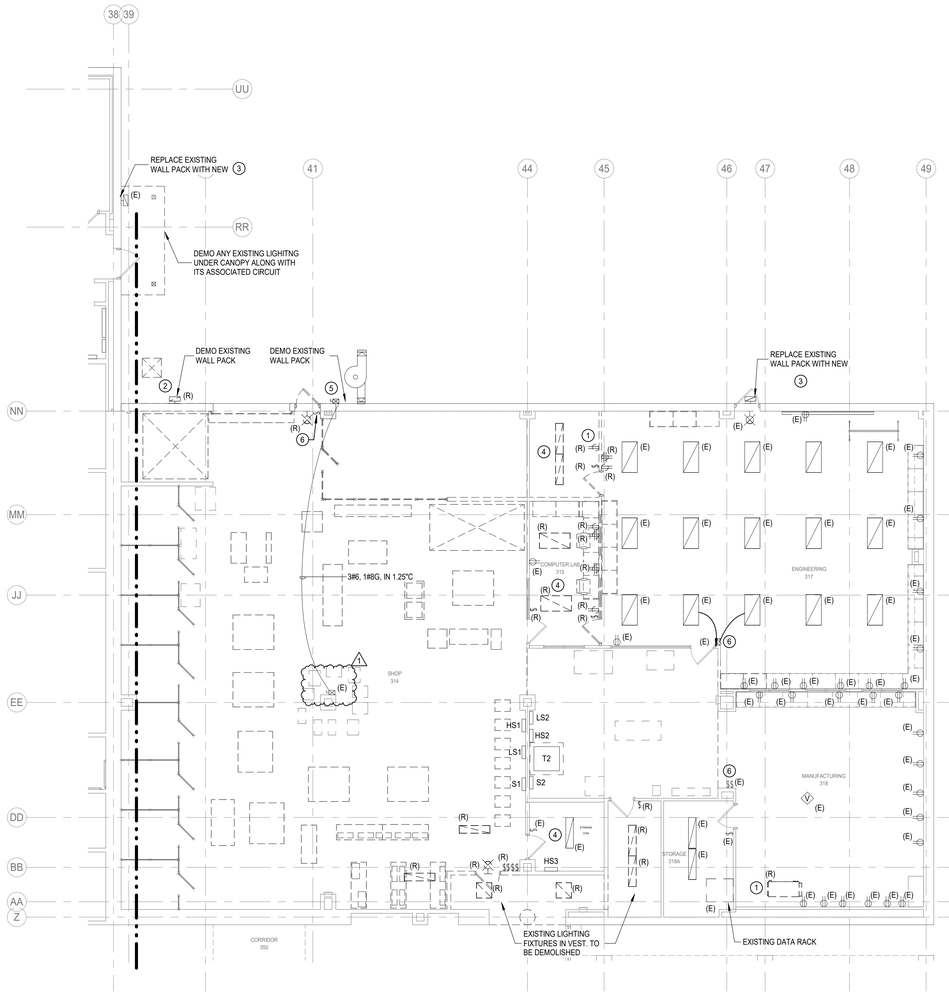
Salas O'Brien
Houston
10930 W. Sam Houston Pkwy North, Suite 900
Houston, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-00901-00

GENERAL DEMOLITION NOTES

1	ALL EQUIPMENT AND MATERIAL WITHIN AREAS IDENTIFIED TO BE DEMOLISHED ON ARCHITECTURAL PLANS SHALL BE DISCONNECTED AND REMOVED, UNLESS IDENTIFIED OTHERWISE. ALL EQUIPMENT AND MATERIAL DEMOLISHED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF IN A PROPER MANNER. ALL EQUIPMENT MATERIALS TO BE DISPOSED OF SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS. IN ADDITION TO REQUIREMENTS OF THE ENVIRONMENTAL PROTECTION AGENCIES AND/OR ANY OTHER GOVERNING AUTHORITY.
2	E.C. SHALL INCLUDE IN BID COST OF REPLACING ALL EXISTING ELECTRICAL DEVICE FACEPLATES TO MATCH NEWLY INSTALLED ELECTRICAL DEVICE FACEPLATES AND PAINT TO MATCH.
3	DURING DEMOLITION THE FIRE PROTECTION AND FIRE ALARM SYSTEMS SHALL REMAIN IN FULL OPERATING CONDITION TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL INCLUDE ALL REQUIRED DESIGN, LABOR, AND MATERIALS IN ORDER TO KEEP THESE SYSTEMS FUNCTIONAL. ALL DESIGNS SHALL BE DONE BY A LICENSED FIRE SPRINKLER AND FIRE ALARM CONTRACTOR.
4	THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OD ALL EQUIPMENT AND ROUTING OF ALL CONDUITS, CIRCUITS.

ELECTRICAL KEYED NOTES:

1. DISCONNECT AND DEMO THE EXISTING MECHANICAL UNIT. PRESERVE THE EXISTING CIRCUIT DURING DEMOLITION TO BE REUSED.
2. DISCONNECT AND DEMO THE EXISTING WALL PACK AND PRESERVE THE EXISTING CIRCUIT DURING DEMOLITION TO BE REUSED.
3. DISCONNET AND DEMO EXISTING WALL PACK AND PRESERVE THE EXISTING CIRCUIT DURING DEMOLITION TO BE REUSED.
4. DEMO EXISTING LIGHTING FIXTURES AND ASSOCIATED CONTROLS, SWITCHES AND PRESERVE THE CIRCUIT ABOVE CEILING.
5. REMOVE AND RELOCATE EXISTING DUST COLLECTOR DISCONNECT SWITCH TO NEW LOCATION. EXTEND AND RECONNECT WIRING.
6. DISCONNECT AND RELOCATE EXISTING LIGHTING SWITCHES TO NEW LOCATION BY THE DOOR IN THE ROOM. REFER TO SHEET E12.02 FOR NEW LOCATION.



N

1 **ELECTRICAL DEMOLITION FLOOR PLAN - LEVEL 1 - C - UNIT D.2**
Scale: 1/8" = 1'-0"

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

M.E.P. ENGINEER

Salas O'Brien
10930 W. Sam Houston Pkwy North
Houston, Texas 77064
Main Phone: 281.664.1900
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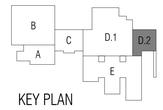
CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations



KEY PLAN

Issue For Proposal

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	ADDENDUM 01	03-06-2025

Director MS	Drawn By SA
Designer SA	Quality Control
Proj. Coord. MS	

PROJECT NO.

24-010.00

SHEET TITLE

COOK - ELECTRICAL DEMOLITION FLOOR PLAN - LEVEL 1 - UNIT D.2

SHEET NO.

E10.03

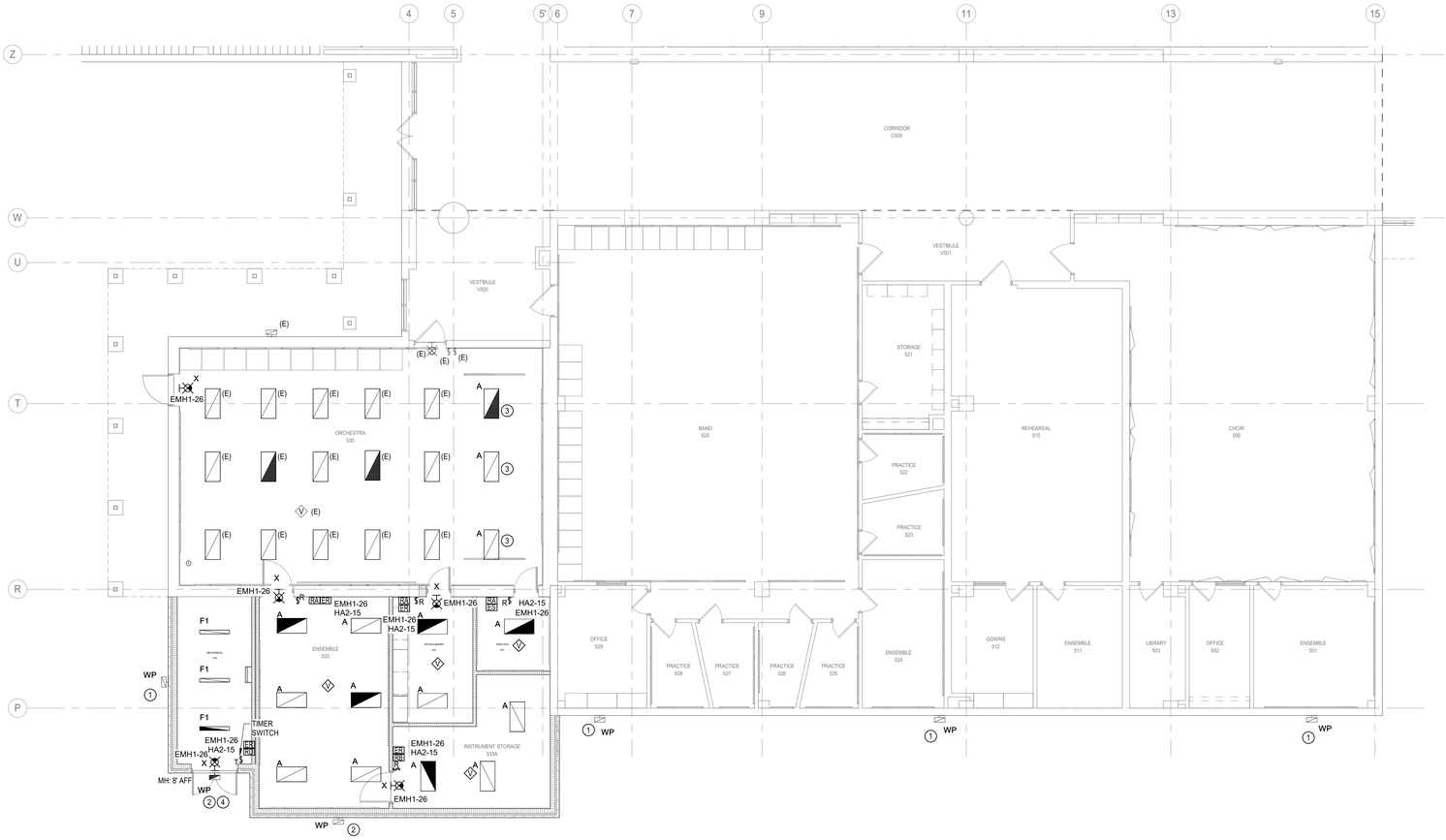
Salas O'Brien
Houston
10930 W. Sam Houston Pkwy North, Suite 900
Houston, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-00901-00

LIGHTING GENERAL NOTES

1	PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.
2	ALL JUNCTION BOXES, CONDUITS, AND WIRES SHALL BE SIZED PER NEC.
3	CONNECT ALL EXIT LIGHTS AHEAD OF ANY LOCAL OR AUTOMATIC SWITCHING DEVICE. PROVIDE POWER VIA NEAREST LIGHTING CIRCUIT NOT TO EXCEED 16A.
4	REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION & MOUNTING HEIGHTS OF ALL LIGHTING FIXTURES SHOWN ON THIS DRAWING.
5	REFER TO SHEETS 16.01 FOR LIGHTING FIXTURE SCHEDULE AND LIGHTING CONTACTOR SCHEDULE.
6	ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
7	ELECTRICAL CONTRACTOR SHALL CONFIRM COMPATIBILITY OF ALL LIGHTING CONTROL SYSTEMS.
8	PROVIDE A CONSTANT HOT FROM PANEL BOARD DIRECTLY TO ALL EMERGENCY BATTERY PACKS IN EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS. EMERGENCY LIGHTING FIXTURES SHALL TURN ON TO FULL BRIGHTNESS IN CASE OF POWER LOSS.
9	ALL CLASSROOMS AND SPACES DO NOT REQUIRE DAYLIGHT HARVESTING CONTROLS. UNLESS NOTED ON PLAN. PER 2018 IECC C405.2.3 WATTAGE REQUIREMENT.
10	PROVIDE CONNECTION FROM EMERGENCY PANEL FOR EMERGENCY POWER FOR ALL EGRESS FIXTURES. PROVIDE FOR MODULE FOR CONNECTION OF EMERGENCY LOADS. CIRCUIT NORMAL AND EMERGENCY POWER AS INDICATED. REFER TO DETAIL ON SHEET 16.03 AND ONE-LINE DIAGRAM ON SHEET 14.01. 1
11	LOWER CASE LETTER INDICATES SWITCHING SCHEME.
12	ALL ABOVE CEILING POWER PACKS TO BE MOUNTED ABOVE ROOM DOORS REGARDLESS OF SCHEMATIC DESIGN SHOWN ON FLOOR PLANS. E.C. SHALL ENSURE INSTALLATION OF ALL POWER PACKS OCCUR ABOVE ROOM DOORS.

ELECTRICAL KEYED NOTES:

1. REPLACE EXISTING WALL PACK WITH NEW LED WALL PACK AND CONNECT TO EXISTING CIRCUIT IN PLACE. ALL EXTERIOR WALL PACKS AND CANOPY LIGHT FIXTURES TO BE CONTROLLED BY BMCS.
2. CONNECT NEW WALL PACK TO ADJACENT WALL PACK CIRCUIT VIA 2#12, 1#12G IN 3/4C TO BE CONTROLLED BY BMCS.
3. EXTEND AND CONNECT EXISTING CIRCUIT PRESERVED DURING DEMO TO NEW FIXTURES. CONTROL FIXTURES WITH EXISTING SWITCHES AND CEILING SENSOR IN THE ROOM.
4. COORDINATE MOUNTING OF ALL NEW WALL PACK TO BE UNDER THE CANOPY. COORDINATE WITH ARCHITECTURE PLANS.



N

1 **ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 1 - C - UNIT A**
Scale: 1/8" = 1'-0"

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
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M.E.P. ENGINEER

Salas O'Brien
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Houston, Texas 77064
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HOUSTON, TEXAS

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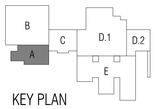


KEY PLAN

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
03-06-25

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	ADDENDUM 01	03-06-2025

Director	Drawn By
Approver	SA
Designer	Quality Control
SA	
Proj. Coord.	
Checker	

PROJECT NO.

24-010.00

SHEET TITLE

COOK - ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 1 - UNIT A

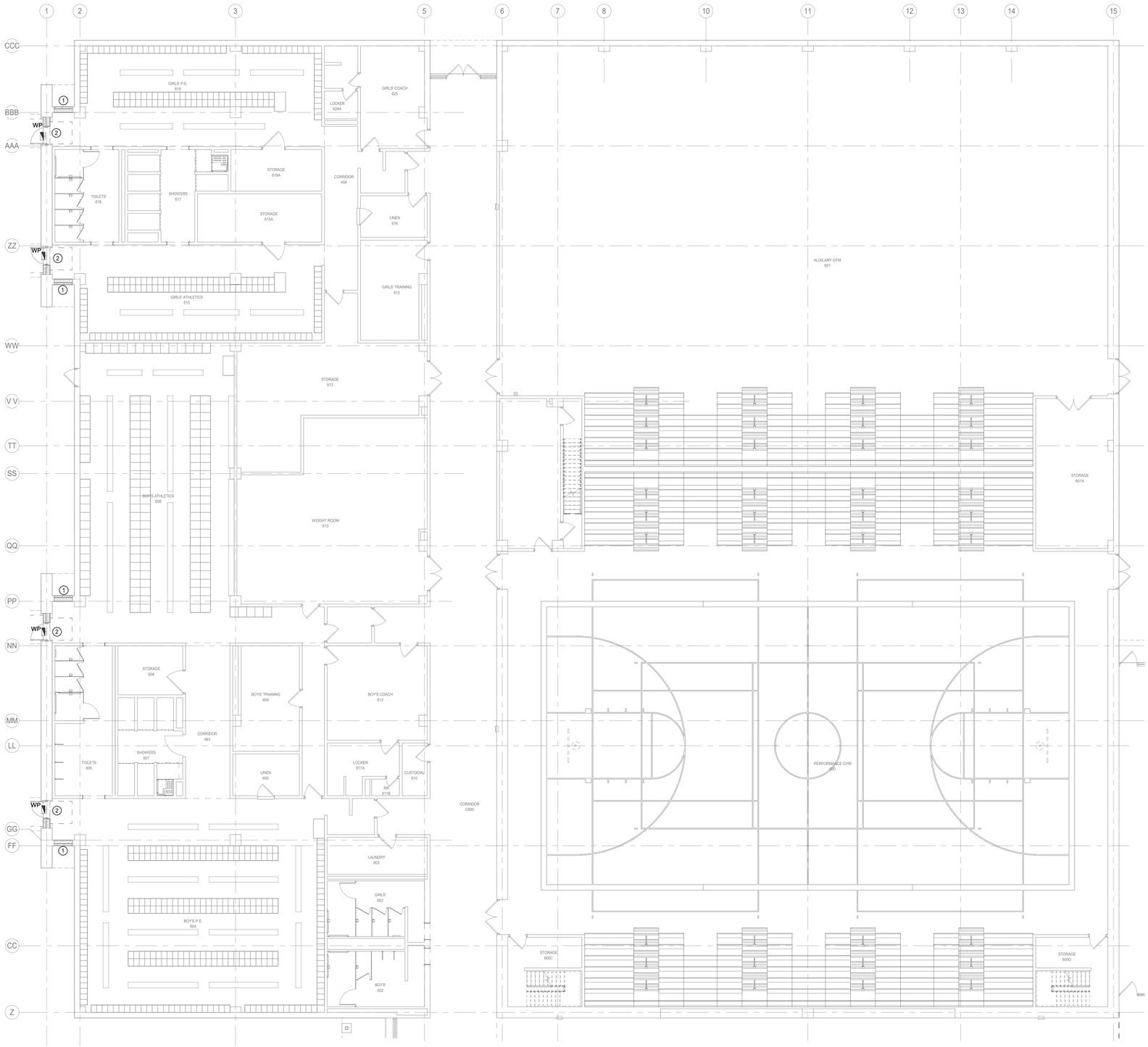
SHEET NO.

E12.01

Salas O'Brien
Houston
10930 W. Sam Houston Pkwy North, Suite 900
Houston, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-00901-00

LIGHTING GENERAL NOTES

1	PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.
2	ALL JUNCTION BOXES, CONDUITS, AND WIRES SHALL BE SIZED PER NEC.
3	CONNECT ALL EXIT LIGHTS AHEAD OF ANY LOCAL OR AUTOMATIC SWITCHING DEVICE. PROVIDE POWER VIA NEAREST LIGHTING CIRCUIT NOT TO EXCEED 16A.
4	REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION & MOUNTING HEIGHTS OF ALL LIGHTING FIXTURES SHOWN ON THIS DRAWING.
5	REFER TO SHEETS 16.01 FOR LIGHTING FIXTURE SCHEDULE AND LIGHTING CONTACTOR SCHEDULE
6	ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
7	ELECTRICAL CONTRACTOR SHALL CONFIRM COMPATIBILITY OF ALL LIGHTING CONTROL SYSTEMS.
8	PROVIDE A CONSTANT HOT FROM PANEL BOARD DIRECTLY TO ALL EMERGENCY BATTERY PACKS IN EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS. EMERGENCY LIGHTING FIXTURES SHALL TURN ON TO FULL BRIGHTNESS IN CASE OF POWER LOSS.
9	ALL CLASSROOMS AND SPACES DO NOT REQUIRE DAYLIGHT HARVESTING CONTROLS. UNLESS NOTED ON PLAN, PER 2018 IECC C405.2.3 WATTAGE REQUIREMENT.
10	PROVIDE CONNECTION FROM EMERGENCY PANEL FOR EMERGENCY POWER FOR ALL EGRESS FIXTURES, PROVIDE ECM MODULE FOR CONNECTION OF EMERGENCY LOADS. CIRCUIT NORMAL AND EMERGENCY POWER AS INDICATED. REFER TO DETAIL ON SHEET 16.03 AND ONE-LINE DIAGRAM ON SHEET 14.01.
11	LOWER CASE LETTER INDICATES SWITCHING SCHEME.
12	ALL ABOVE CEILING POWER PACKS TO BE MOUNTED ABOVE ROOM DOORS REGARDLESS OF SCHEMATIC DESIGN SHOWN ON FLOOR PLANS. E.C. SHALL ENSURE INSTALLATION OF ALL POWER PACKS OCCUR ABOVE ROOM DOORS.



ELECTRICAL KEYED NOTES:

1. DISCONNECT AND DEMO THE EXISTING WALL PACK AND PRESERVE THE EXISTING CIRCUIT DURING DEMOLITION TO BE REUSED.
2. CONNECT NEW WALL PACK TO EXISITNG ADJACENT WALL PACK CIRCUIT VIA 2#12, 1#12G IN 3/4C TO BE CONTROLLED BY BMCS. COORDINATE MOUNTING OF ALL NEW WALL PACK TO BE UNDER THE CANOPY. COORDINATE WITH ARCHITECTURE PLANS.

N

1 **ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 1 - C - UNIT B**
Scale: 1/8" = 1'-0"

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ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
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KEY PLAN

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ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	ADDENDUM 01	03-06-2025

Director CA	Drawn By SA
Designer SA	Quality Control JZ
Proj. Coord. MS	

PROJECT NO.

24-010.00

SHEET TITLE

ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 1 - UNIT B

SHEET NO.

E12.02

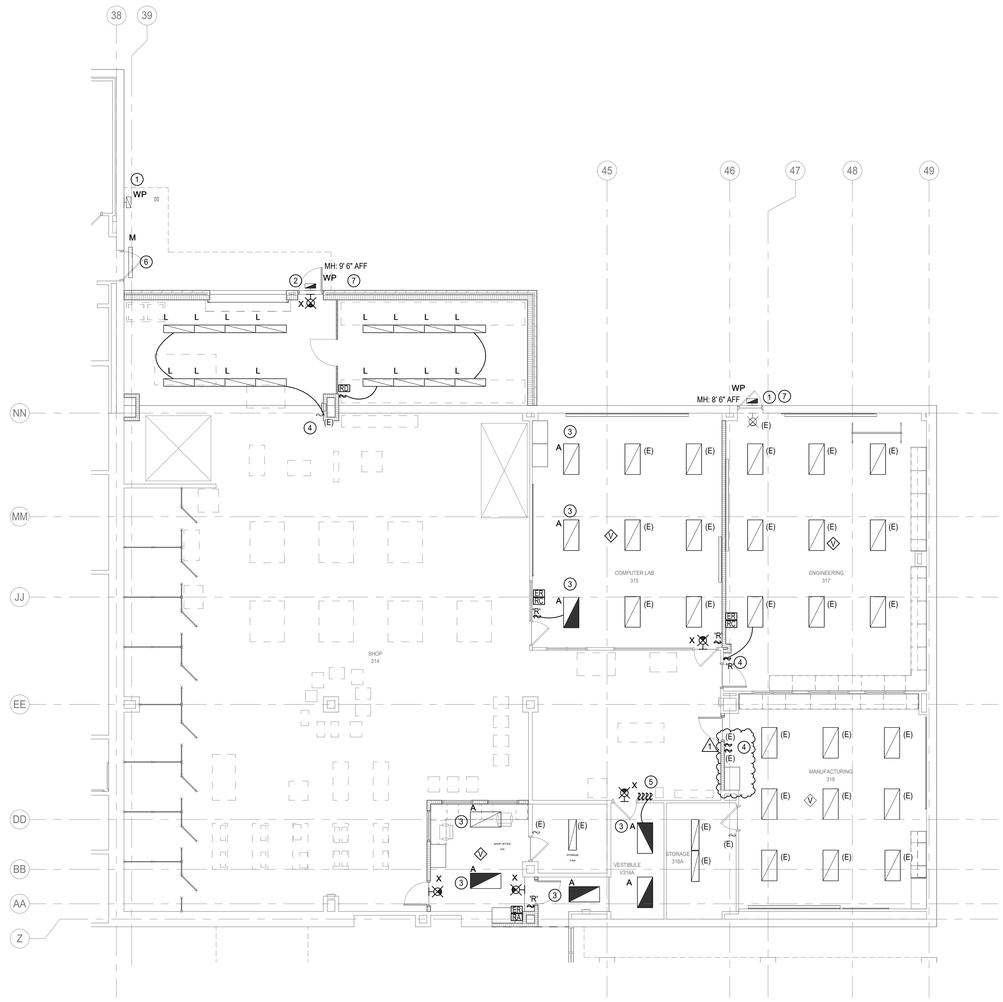
Salas O'Brien
Houston
10930 W. Sam Houston Pkwy North, Suite 900
Houston, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-00901-00

LIGHTING GENERAL NOTES

1	PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.
2	ALL JUNCTION BOXES, CONDUITS, AND WIRES SHALL BE SIZED PER NEC.
3	CONNECT ALL EXIT LIGHTS AHEAD OF ANY LOCAL OR AUTOMATIC SWITCHING DEVICE. PROVIDE POWER VIA NEAREST LIGHTING CIRCUIT NOT TO EXCEED 16A.
4	REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION & MOUNTING HEIGHTS OF ALL LIGHTING FIXTURES SHOWN ON THIS DRAWING.
5	REFER TO SHEETS 16.01 FOR LIGHTING FIXTURE SCHEDULE AND LIGHTING CONTACTOR SCHEDULE.
6	ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION..
7	ELECTRICAL CONTRACTOR SHALL CONFIRM COMPATIBILITY OF ALL LIGHTING CONTROL SYSTEMS.
8	PROVIDE A CONSTANT HOT FROM PANEL BOARD DIRECTLY TO ALL EMERGENCY BATTERY PACKS IN EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS. EMERGENCY LIGHTING FIXTURES SHALL TURN ON TO FULL BRIGHTNESS IN CASE OF POWER LOSS.
9	ALL CLASSROOMS AND SPACES DO NOT REQUIRE DAYLIGHT HARVESTING CONTROLS, UNLESS NOTED ON PLAN. PER 2018 IECC C405.2.3 WATTAGE REQUIREMENT.
10	PROVIDE CONNECTION FROM EMERGENCY PANEL FOR EMERGENCY POWER FOR ALL EGRESS FIXTURES. PROVIDE ECM MODULE FOR CONNECTION OF EMERGENCY LOADS. CIRCUIT NORMAL AND EMERGENCY POWER AS INDICATED. REFER TO DETAIL ON SHEET 16.03 AND ONE-LINE DIAGRAM ON SHEET 14.01.
11	LOWER CASE LETTER INDICATES SWITCHING SCHEME.
12	ALL ABOVE CEILING POWER PACKS TO BE MOUNTED ABOVE ROOM DOORS REGARDLESS OF SCHEMATIC DESIGN SHOWN ON FLOOR PLANS. E.C. SHALL ENSURE INSTALLATION OF ALL POWER PACKS OCCUR ABOVE ROOM DOORS.

ELECTRICAL KEYED NOTES:

1. REPLACE EXISTING WALL PACK WITH NEW LED WALL PACK AND CONNECT TO EXISTING CIRCUIT IN PLACE. ALL EXTERIOR WALL PACKS AND CANOPY LIGHT FIXTURES TO BE CONTROLLED BY BMCS.
2. CONNECT NEW WALL PACK TO EXISITNG ADJACENT WALL PACK CIRCUIT VIA 2#12, 1#12G IN 3/4C TO BE CONTROLLED BY BMCS.
3. EXTEND AND CONNECT EXISTING CIRCUIT PRESERVED DURING DEMO TO NEW FIXTURES. CONTROL FIXTURES WITH EXISTING SWITCHES AND CEILING SENSOR IN THE ROOM.
4. EXTEND AND RELOCATE EXISTING CONTROL SWITCHES TO EXISTING WALL ADJACENT TO THE ROOM DOOR.
5. PROVIDE NEW SWITCHES TO CONTROL EXISTING LIGHTING IN WOOD SHOP.
6. REPLACE EXISTING FIXTURE WITH NEW AND RECONNECT TO EXISTING CIRCUIT IN PLACE UNDER THE CANOPY.
7. COORDINATE MOUNTING OF ALL NEW WALL PACK TO BE UNDER THE CANOPY. COORDINATE WITH ARCHITECTURE PLANS.



N

1 **ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 1 - C - UNIT D.2**
Scale: 1/8" = 1'-0"

VLK | ARCHITECTS

ARCHITECT

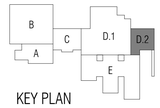
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

M.E.P. ENGINEER

Salas O'Brien
10930 W. Sam Houston Pkwy North
Houston, Texas 77064
Main Phone: 281.664.1900
www.salasobrien.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations



KEY PLAN

Issue For Proposal

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	ADDENDUM 01	03-06-2025

Director CA	Drawn By SA
Designer SA	Quality Control JZ
Proj. Coord. MS	

PROJECT NO.

24-010.00

SHEET TITLE

COOK - ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 1 - UNIT D.2

SHEET NO.

E12.03

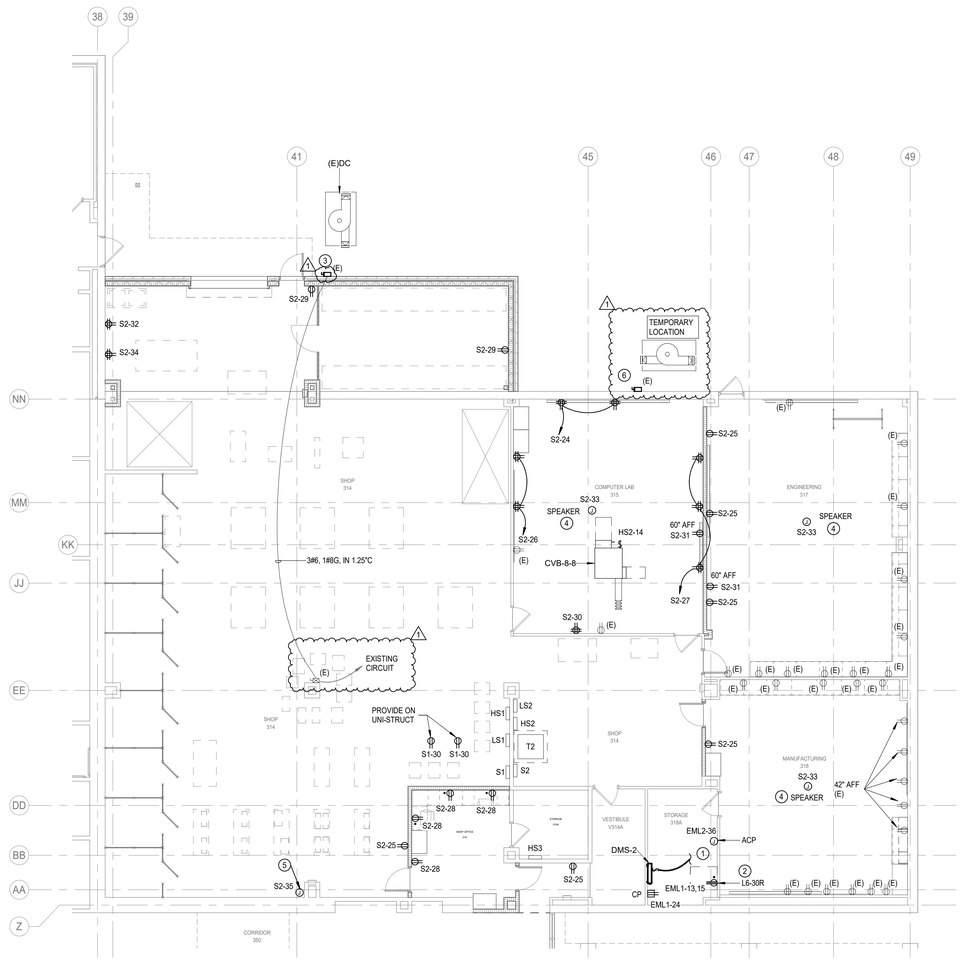
Salas O'Brien
Houston
10930 W. Sam Houston Pkwy North, Suite 900
Houston, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-00901-00

POWER GENERAL NOTES

1	ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
2	CONTRACTOR SHALL REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT AND SCHEDULES. CONTRACTOR SHALL PROVIDE ALL ELECTRICAL DISCONNECTS, BRANCH CIRCUITRY, STARTERS/CONTROLS, CIRCUIT BREAKERS AND CONNECTIONS REQUIRED TO POWER EQUIPMENT.
3	CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
4	ALL RECEPTACLES LOCATED WITHIN 6'-0" OF SINK SHALL BE GFCI TYPE.
5	CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF RECEPTACLES AND SWITCHES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ELECTRICAL ROUGH-IN. ADJUST DEVICES AS REQUIRED SO THAT NO DEVICES ARE INSTALLED BEHIND CABINETS OR SHELVES.
6	ALL BLANK FACE GFCI DEVICES SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION AND NOT BEHIND EQUIPMENT.
7	CONTRACTOR SHALL REFER TO TECHNOLOGY SERIES CONSTRUCTION DOCUMENTS FOR EXACT LOCATION AND REQUIREMENTS OF ALL LOW VOLTAGE BACK BOXES, FITTINGS, AND CONDUITS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
8	ALL EXTERIOR OUTLETS SHALL BE WP GFI IN METAL WHILE-IN -USE LOCKABLE ENCLOSURE WITH EXCEPTION TO INTEGRAL RTU RECEPTACLES.

ELECTRICAL KEYED NOTES:

1. PROVIDE MANUFACTURER RECOMMENDED WIRING FROM OUTDOOR UNIT TO INDOOR UNIT IN 1"C.
2. PROVIDE QUAD OUTLET ABOVE THE IDF RACK AS REQUIRED PER DISTRICT STANDARDS.
3. RELOCATE EXISTING DISCONNECT SWITCH TO NEW LOCATION AS SHOWN FOR DUST COLLECT. EXTEND AND RECONNECT AS SHOWN. 1
4. PROVIDE CONNECTION TO CEILING SPEAKER AND COORDINATE FINAL LOCATION WITH TECHNOLOGY PLANS.
5. PROVIDE CONNECTION TO EMERGENCY SIGNALING SYSTEM PROVIDED BY PLUMBING CONTRACTOR AND COORDINATE FINAL LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH-IN.
6. RELOCATE EXISTING EXTERIOR DISCONNECT SWITCH TO NEW TEMPORARY LOCATION AS SHOWN AND EXTEND EXISTING CIRCUIT FROM MOTOR STARTER LOCATED AT COLUMN. 1



N

1 **ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - C - UNIT D.2**
Scale: 1/8" = 1'-0"

VLK | ARCHITECTS

ARCHITECT

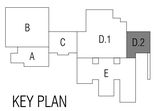
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

M.E.P. ENGINEER

Salas O'Brien
10930 W. Sam Houston Pkwy North
Houston, Texas 77064
Main Phone: 281.664.1900
www.salasobrien.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations



KEY PLAN

Issue For Proposal

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REVISIONS

Revision No.		Revision Date
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Director MS	Drawn By SA
Designer SA	Quality Control JZ
Proj. Coord. MS	

PROJECT NO.

24-010.00

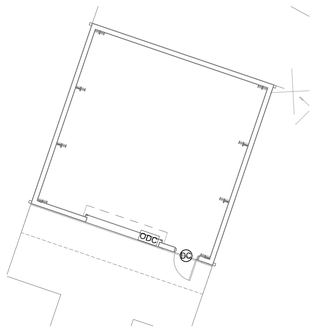
SHEET TITLE

COOK - ELECTRICAL POWER FLOOR PLAN - LEVEL 1 - UNIT D.2

SHEET NO.

E13.04

Salas O'Brien
Houston
10930 W. Sam Houston Pkwy North, Suite 900
Houston, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-00901-00



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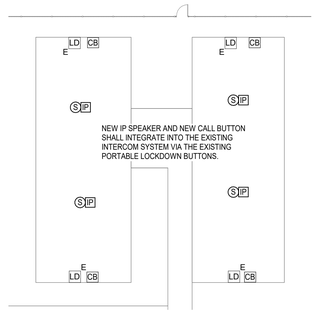
3 TECHNOLOGY ATHLETIC STORAGE

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



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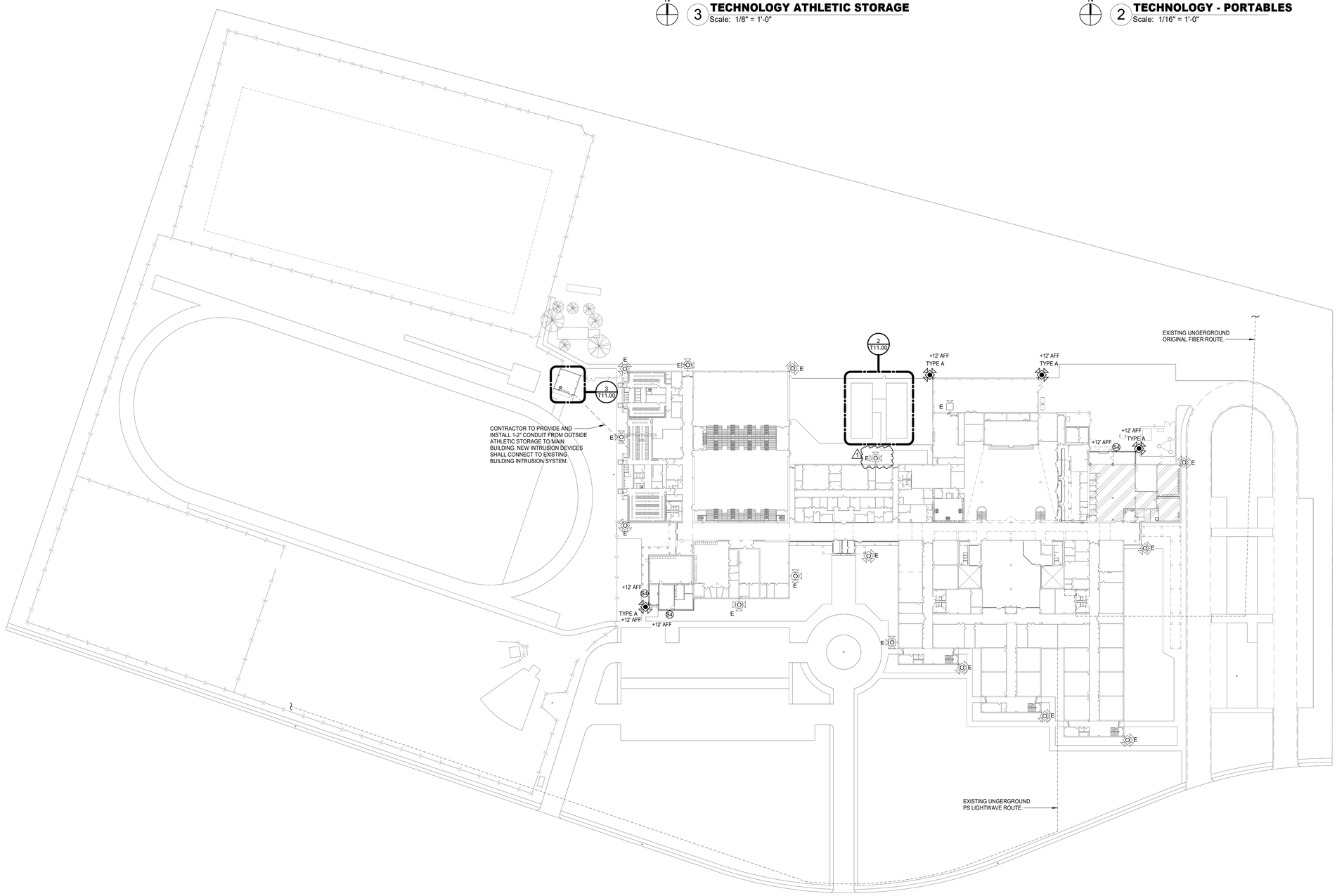
2 TECHNOLOGY - PORTABLES

Scale: 1/16" = 1'-0"



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1 TECHNOLOGY SITE PLAN

Scale: 1" = 50'-0"

VLK | ARCHITECTS

ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

M.E.P. ENGINEER

Salas O'Brien
10930 W. Sam Houston Pkwy North
Houston, Texas 77064
Main Phone: 281.664.1900
www.salasobrien.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

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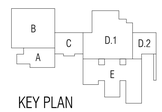

KEY PLAN

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
STATE OF TEXAS
03-06-25

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
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Director MS	Drawn By NY
Designer NY	Quality Control
Proj. Coord. AS	

PROJECT NO.

24-010.00

SHEET TITLE

COOK - TECHNOLOGY SITE PLAN

SHEET NO.

T11.00

Salas O'Brien

Houston
10930 W. Sam Houston Pkwy North, Suite 900
Houston, TX 77064
Salas O'Brien Registration: F-4111

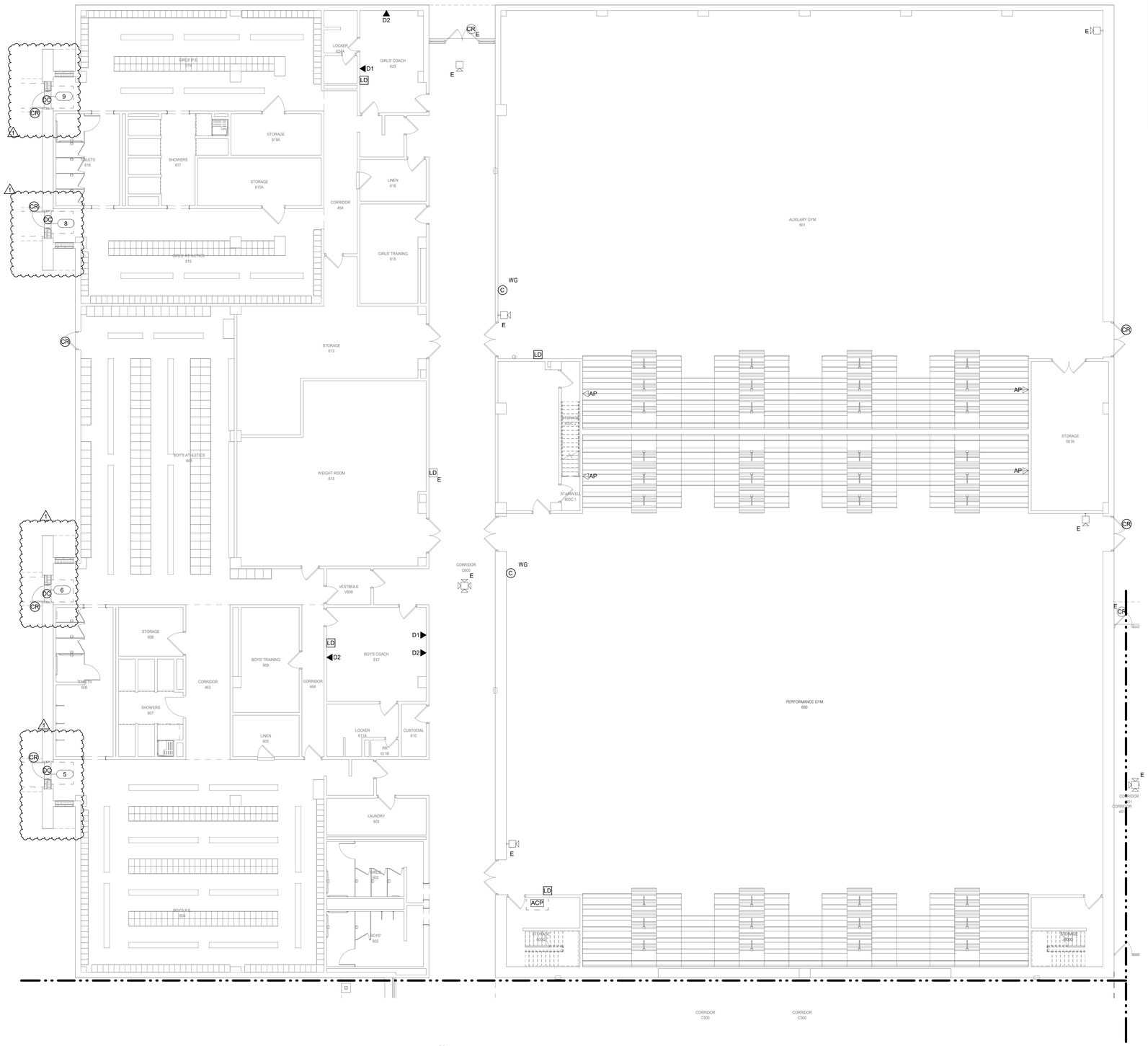
Salas O'Brien Project Number: 2024-00901-00

FIRE ALARM

A	FIRE ALARM SYSTEM IS A PERFORMANCE BASED PER SPECIFICATIONS 28 46 00. CONTRACTOR TO REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
B	A LICENSED FIRE ALARM PLANNING SUPERINTENDENT CERTIFIED TO A MINIMUM LEVEL 3, IN THE SUBFIELD OF FIRE ALARM SYSTEMS THROUGH THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET), SHALL PROVIDE PLANS AND CALCULATIONS FOR A MANUAL AND AUTOMATIC FIRE DETECTION AND ALARM SYSTEM TO COMPLY WITH THE BUILDING SPACE LAYOUT, BUILDING OCCUPANCY, CURRENT NFPA 72, LOCAL AND STATE CODE REQUIREMENTS, AND THE FIRE ALARM AND DETECTION SYSTEM SPECIFICATIONS.

TECHNOLOGY PLAN GENERAL NOTES

A	COORDINATE ALL FINAL MOUNTING HEIGHTS, FOR WALL MOUNTED DEVICES, PRIOR TO ROUGH-IN. COORDINATE WITH ARCHITECT, OWNER AND ENGINEER.
B	COORDINATE ALL CEILING DEVICE LOCATIONS WITH ARCHITECTURAL DRAWINGS AND INTERIOR DESIGN CONSULTANT(IF APPLICABLE) PRIOR TO ROUGH-IN.
C	REFERENCE TECHNOLOGY SITE PLAN, COMPOSITE, NOTES & LEGENDS AND DETAILS FOR ADDITIONAL INFORMATION AND DEVICE/OUTLET LOCATIONS.
D	CONTRACTOR TO COORDINATE INTERCOM SPEAKER MOUNTING TYPES WITH ARCHITECTURAL CEILING PLANS PRIOR TO FINAL SPEAKER SELECTION. COORDINATE WITH ENGINEER ON ANY DISCREPANCIES.
E	CONTRACTOR TO COORDINATE ALL DROP LOCATIONS WITH FURNITURE. COORDINATE WITH ARCHITECT AND OWNER FOR MORE INFORMATION.
F	ALL EXISTING LOCKDOWN BUTTONS THAT ARE BEING REUSED SHALL HAVE EXISTING WIRING DEMOLISHED AND REPLACED BY CONTRACTOR WITH HOME RUNS TO HEAD END.
G	NEW DATA CABLING IN EXISTING ROOMS SHALL REUSE EXISTING DATA CABLING RACEWAY AND BACKBOXES UNLESS NOTED OTHERWISE. PROVIDE AND INSTALL NEW FACEPLATES.
H	DATA CABLING TO MECHANICAL ROOMS SHALL BE REPLACED ONE TO ONE. CONTRACTOR TO REUSE EXISTING RACEWAY AND BACKBOXES. PROVIDE AND INSTALL NEW FACEPLATES.
I	ALL EXISTING CLASSROOM CALL BUTTONS SHALL BE DISCONNECTED FROM EXISTING SPEAKERS AND RECONNECTED TO NEW IP SPEAKERS. CONTRACTOR TO FIELD VERIFY EXISTING CLASSROOM CB LOCATIONS.
J	GC TO COORDINATE WITH EC AND STRUCTURED CABLING CONTRACTOR ON REQUIRED PATHWAYS AND PENETRATIONS FOR NEW DATA CABLING INSTALLATION.



N

1 **TECHNOLOGY FLOOR PLAN - LEVEL 1 - C - UNIT B**
Scale: 1/8" = 1'-0"

VLK | ARCHITECTS

ARCHITECT

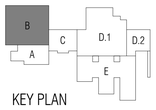
VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

M.E.P. ENGINEER

Salas O'Brien
10930 W. Sam Houston Pkwy North
Houston, Texas 77064
Main Phone: 281.664.1900
www.salasobrien.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS

2024 Cook, Labay & Truitt MS Renovations



KEY PLAN

Issue For Proposal

BRADLEY KALMANS
80219
LICENSED
03-06-25

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	ADDENDUM 01	03-06-2025

Director MS	Drawn By NY
Designer NY	Quality Control
Proj. Coord. AS	

PROJECT NO.

24-010.00

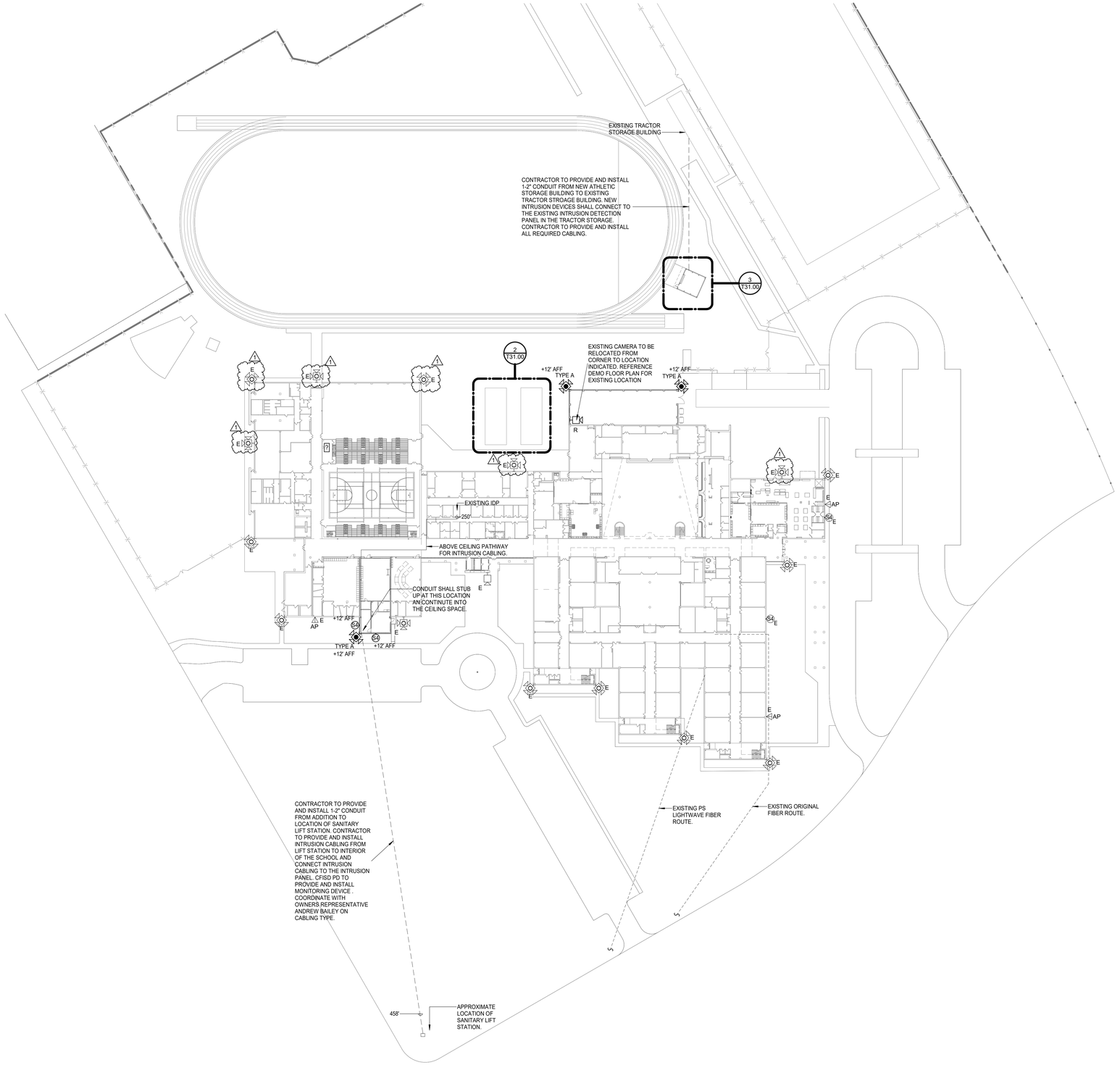
SHEET TITLE

COOK - TECHNOLOGY FLOOR PLAN - LEVEL 1 - UNIT B

SHEET NO.

T12.02

Salas O'Brien
Houston
10930 W. Sam Houston Pkwy North, Suite 900
Houston, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-00901-00



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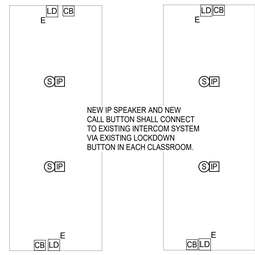
1 TECHNOLOGY SITE PLAN
Scale: 1" = 50'-0"



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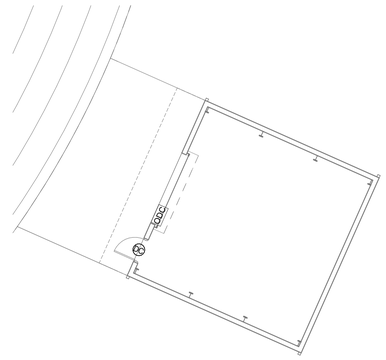
2 TECHNOLOGY - PORTABLE BUILDINGS
Scale: 1/16" = 1'-0"



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3 TECHNOLOGY SITE PLAN - ATHLETIC STORAGE
Scale: 1/8" = 1'-0"

TECHNOLOGY SITE PLAN GENERAL NOTES

A	CONTRACTOR TO PROTECT EMERGENCY RADIO SYSTEM ANTENNAS, DEVICES AND CABLING. EXISTING EMERGENCY RADIO ANTENNA LOCATED ON ROOF.

VLK|ARCHITECTS

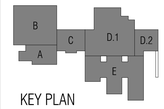
ARCHITECT

VLK Architects
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

M.E.P. ENGINEER

Salas O'Brien
10930 W. Sam Houston Pkwy North
Houston, Texas 77064
Main Phone: 281.664.1900
www.salasobrien.com

CYPRESS-FAIRBANKS INDEPENDENT SCHOOL DISTRICT
HOUSTON, TEXAS



KEY PLAN

Issue For Proposal

STATE OF TEXAS
BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
03-06-25

ISSUED: February 24, 2025

REVISIONS

Revision No.		Revision Date
1	ADDENDUM 01	03-06-2025

Director MS	Drawn By NY
Designer NY	Quality Control AY
Proj. Coord. AY	

PROJECT NO.

24-010.00

SHEET TITLE

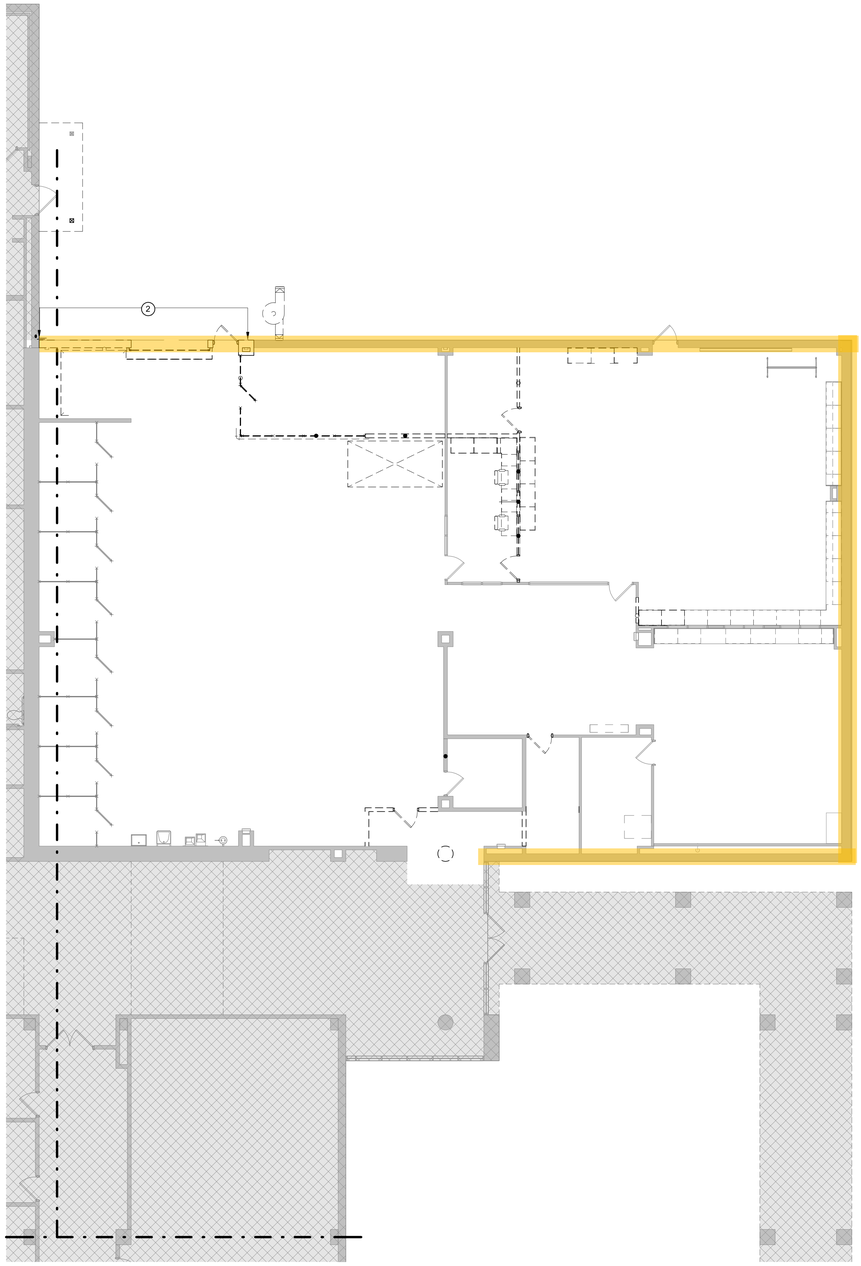
TRUITT - TECHNOLOGY SITE PLAN

SHEET NO.

T31.00

TRUITT MIDDLE SCHOOL

Salas O'Brien
Houston
10930 W. Sam Houston Pkwy North, Suite 900
Houston, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-00901-00



1 UNIT "D.2" ABATEMENT PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

ABATEMENT PLAN GENERAL NOTES:

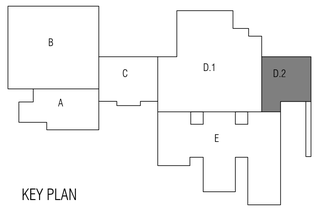
1. ABATEMENT PLANS WERE DERIVED FROM EXISTING BUILDING PLANS AND ARE INTENDED TO REASONABLY PRESENT EXISTING CONDITIONS. ABATEMENT CONTRACTOR SHALL VERIFY ACTURAL CONDITIONS AND COORDINATE ABATEMENT AND DEMOLITION WORK.
2. REFERENCE ARCHITECT'S DEMOLITION SPECIFICATIONS AND DRAWINGS FOR DEMOLITION REQUIREMENTS AND EXISTING BUILDING DRAWINGS FOR BUILDING CONSTRUCTION CONDITIONS
3. THESE DRAWINGS ARE REPRESENTATIVE OF TYPICAL CONDITIONS IN THE BUILDING. HOWEVER, THE LOCATIONS OF ALL ASBESTOS CONTAINING MATERIALS ARE NOT SHOWN. ABATEMENT CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE AREAS TO BE ABATED AND THE LOCATIONS OF ALL ASBESTOS-CONTAING MATERIALS.
4. ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR ABATEMENT OF ALL ASBESTOS-CONTAINING MATERIALS.
5. THE ASBESTOS ABATEMENT SCOPE OF WORK IS DESCRIBED IN THE ABATEMENT SPECIFICATIONS. THE ASBESTOS ABATEMENT SCOPE OF WORK SHALL ALSO INCLUDE ANY HIDDEN ASBESTOS-CONTAINING MATERIALS THAT MAY BE ASSUMED OR UNCOVERED DURING THE BUILDING SELECTIVE DEMOLITION ACTIVITIES. THE ASBESTOS-CONTAINING MATERIALS IDENTIFIED IN THE BUILDING INCLUDE, AS A MINIMUM, THE FOLLOWING MATERIALS: INTERIOR ASBESTOS-CONTAINING MATERIALS: BLACK DAMPPROOFING MASTICS AND ANY ASSOCIATED FLASHINGS. EXTERIOR ASBESTOS-CONTAINING MATERIALS: BLACK DAMPPROOFING MASTICS AND ANY ASSOCIATED FLASHINGS.
6. ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND VERIFYING THE ACTUAL QUANTITIES OF ALL ASBESTOS-CONTAINING MATERIALS AND OTHER REGULATED MATERIALS THAT WILL BE ABATED UNDER THE IDENTIFIED SCOPE OF WORK. WHILE SOME OF THE EXISTING AREAS OF ASBESTOS-CONTAINING MATERIALS ARE ACCESSIBLE OR EXPOSED, OTHER AREAS OF ASBESTOS-CONTAINING MATERIALS MAY BE "HIDDEN" (E.G. LOCATED ABOVE CEILINGS; IN WALLS OR CHASES; UNDER CARPET OR OTHER FLOOR FINISH MATERIALS; ABOVE AND/OR UNDER WALLS, MILLWORK, ETC.). ALL "HIDDEN" AREAS OF ASBESTOS-CONTAINING MATERIALS IN AREAS SCHEDULD FOR DEMOLITION IN THE SUBJECT BUILDING SHALL BE UNCOVERED AND ABATED BY THE ABATEMENT CONTRACTOR AS PART OF THE PROJECT SCOPE OF WORK.
7. PERFORM SELECTIVE DEMOLITION OF WALL AREAS, CEILING AREAS, FLOOR AREAS, CHASE AREAS, ETC. AS REQUIRED TO UNCOVER AND LOCATE ALL "HIDDEN" AREAS OF ASBESTOS-CONTAINING MATERIALS IN AREAS SCHEDULED FOR DEMOLITION IN THE SUBJECT BUILDING.
8. FOR INTERIOR OR EXTERIOR WALL OPENINGS THAT IMPACT ASBESTOS CONTINAING MATERIALS, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR IDENTIFING AND MARKING OFF ANY NEW WALL OPENING LOCATIONS FOR THE ABATMENT CONTRACTOR.

ABATEMENT PLAN KEYED NOTES:

1. DAMP PROOFING BLACK MASTIC APPLIED TO EXTERIOR CMU BLOCK AND ANY ASSOCIATED FLASHING/MASTIC AROUND DOORS/WINDOWS AND AT COLUMNS, BEAMS OR BRICK LEDGES IN THIS AREA ARE TO BE ABATED. (NESHAP METHODS) REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT SCOPE OF DEMOLITION AND REMOVAL. FIELD VERIFY. ALL COMPONENTS TO BE DEMOLISHED.
2. DAMP PROOFING BLACK MASTIC APPLIED TO INTERIOR (ONCE EXTERIOR WALL) CMU BLOCK AND ANY ASSOCIATED FLASHING/MASTIC AROUND DOORS/WINDOWS AND ON COLUMNS, BEAMS OR BRICK LEDGES IN THIS AREA ARE TO BE ABATED. (THAPR - FULL CONTAINMENT) REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT SCOPE OF DEMOLITION AND REMOVAL. FIELD VERIFY ALL COMPONENTS TO BE DEMOLISHED.
3. DAMP PROOFING BLACK MASTIC APPLIED TO THRU WALL FLASHING OR ON BRICK IN THIS AREA ARE TO BE ABATED (NESHAP METHODS). REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT SCOPE OF DEMOLIITON AND REMOVAL. FIELD VERIFY ALL COMPONENTS TO BE DEMOLISHED.

ASBESTOS LEGEND (LOCATION PURPOSES ONLY)

- BLACK MASTIC DAMP PROOFING AND ASSOCIATED FLASHING APPLIED TO CMU BLOCK (MAY BE APPLIED TO COLUMNS, BEAMS, DOOR/WINDOW FLASHING, THRU-WALL FLASHING AND/OR BRICK LEDGE FLASHING).



KEY PLAN

efi global
2000 DAIRY ASHFORD, SUITE 600
HOUSTON, TEXAS 77077
TEL: (832) 518-5145
FAX: (832) 518-5157

COOK MIDDLE SCHOOL
9111 WHEATLAND DRIVE
HOUSTON, TEXAS 77064

CYPRESS-FAIRBANKS ISD
HOUSTON,TEXAS

2024 Cook, Labay, and Truitt MS Renovation

Issue For Proposal

SAM HUFF TDSHS# 105902
SAM.HUFF@EFIGLOBAL.COM
EFI PROJECT#: 029.07283

ISSUED: February 28, 2025

REVISIONS

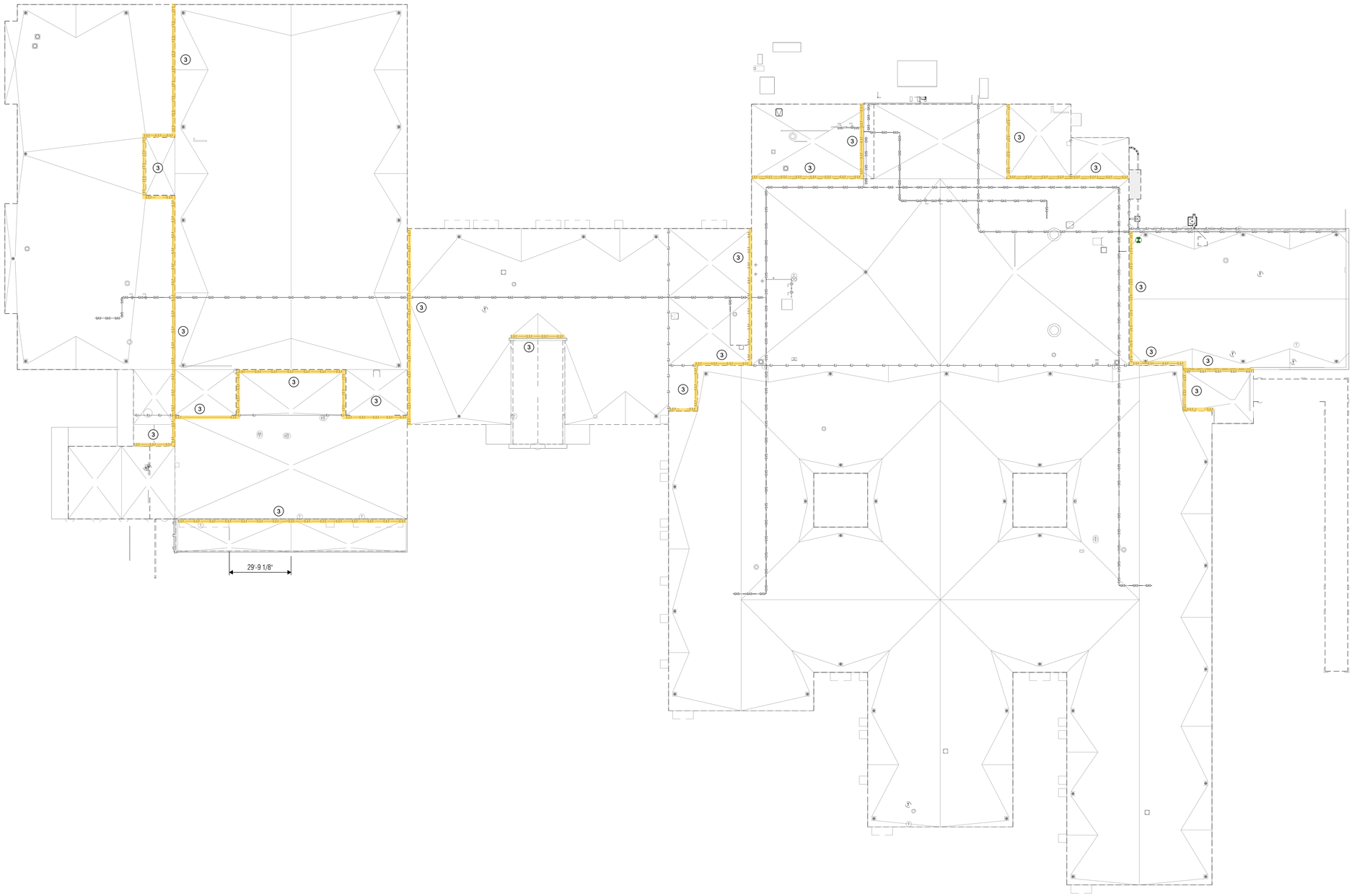
Revision No.	Revision Date
ADDENDUM #01	MARCH 6, 2025

Director RA | Drawn By SH
Designer | Quality Control
Proj. Coord.

EFI PROJECT NO.
029.07283

SHEET TITLE
COOK - UNIT D.2
ABATEMENT PLAN - LEVEL ONE

SHEET NO.
ABT1.D.2



1 ROOF ABATEMENT PLAN
SCALE: 3/64" = 1'-0"

ABATEMENT PLAN GENERAL NOTES:

1. ABATEMENT PLANS WERE DERIVED FROM EXISTING BUILDING PLANS AND ARE INTENDED TO REASONABLY PRESENT EXISTING CONDITIONS. ABATEMENT CONTRACTOR SHALL VERIFY ACTURAL CONDITIONS AND COORDINATE ABATEMENT AND DEMOLITION WORK.
2. REFERENCE ARCHITECT'S DEMOLITION SPECIFICATIONS AND DRAWINGS FOR DEMOLITION REQUIREMENTS AND EXISTING BUILDING DRAWINGS FOR BUILDING CONSTRUCTION CONDITIONS
3. THESE DRAWINGS ARE REPRESENTATIVE OF TYPICAL CONDITIONS IN THE BUILDING. HOWEVER, THE LOCATIONS OF ALL ASBESTOS CONTAINING MATERIALS ARE NOT SHOWN. ABATEMENT CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE AREAS TO BE ABATED AND THE LOCATIONS OF ALL ASBESTOS-CONTAING MATERIALS.
4. ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR ABATEMENT OF ALL ASBESTOS-CONTAINING MATERIALS.
5. THE ASBESTOS ABATEMENT SCOPE OF WORK IS DESCRIBED IN THE ABATEMENT SPECIFICATIONS. THE ASBESTOS ABATEMENT SCOPE OF WORK SHALL ALSO INCLUDE ANY HIDDEN ASBESTOS-CONTAINING MATERIALS THAT MAY BE ASSUMED OR UNCOVERED DURING THE BUILDING SELECTIVE DEMOLITION ACTIVITIES. THE ASBESTOS-CONTAINING MATERIALS IDENTIFIED IN THE BUILDING INCLUDE, AS A MINIMUM, THE FOLLOWING MATERIALS: INTERIOR ASBESTOS-CONTAINING MATERIALS: BLACK DAMPPROOFING MASTICS AND ANY ASSOCIATED FLASHINGS. EXTERIOR ASBESTOS-CONTAINING MATERIALS: BLACK DAMPPROOFING MASTICS AND ANY ASSOCIATED FLASHINGS.
6. ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND VERIFYING THE ACTUAL QUANTITIES OF ALL ASBESTOS-CONTAINING MATERIALS AND OTHER REGULATED MATERIALS THAT WILL BE ABATED UNDER THE IDENTIFIED SCOPE OF WORK. WHILE SOME OF THE EXISTING AREAS OF ASBESTOS-CONTAINING MATERIALS ARE ACCESSIBLE OR EXPOSED, OTHER AREAS OF ASBESTOS-CONTAINING MATERIALS MAY BE "HIDDEN" (E.G. LOCATED ABOVE CEILINGS; IN WALLS OR CHASES; UNDER CARPET OR OTHER FLOOR FINISH MATERIALS; ABOVE AND/OR UNDER WALLS, MILLWORK, ETC.). ALL "HIDDEN" AREAS OF ASBESTOS-CONTAINING MATERIALS IN AREAS SCHEDULD FOR DEMOLITION IN THE SUBJECT BUILDING SHALL BE UNCOVERED AND ABATED BY THE ABATEMENT CONTRACTOR AS PART OF THE PROJECT SCOPE OF WORK.
7. PERFORM SELECTIVE DEMOLITION OF WALL AREAS, CEILING AREAS, FLOOR AREAS, CHASE AREAS, ETC. AS REQUIRED TO UNCOVER AND LOCATE ALL "HIDDEN" AREAS OF ASBESTOS-CONTAINING MATERIALS IN AREAS SCHEDULED FOR DEMOLITION IN THE SUBJECT BUILDING.
8. FOR INTERIOR OR EXTERIOR WALL OPENINGS THAT IMPACT ASBESTOS CONTINAING MATERIALS, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR IDENTIFING AND MARKING OFF ANY NEW WALL OPENING LOCATIONS FOR THE ABATMENT CONTRACTOR.

ABATEMENT PLAN KEYED NOTES:

1. DAMP PROOFING BLACK MASTIC APPLIED TO EXTERIOR CMU BLOCK AND ANY ASSOCIATED FLASHING/MASTIC AROUND DOORS/WINDOWS AND AT COLUMNS, BEAMS OR BRICK LEDGES IN THIS AREA ARE TO BE ABATED. (NESHAP METHODS) REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT SCOPE OF DEMOLITION AND REMOVAL. FIELD VERIFY. ALL COMPONENTS TO BE DEMOLISHED.
2. DAMP PROOFING BLACK MASTIC APPLIED TO INTERIOR (ONCE EXTERIOR WALL) CMU BLOCK AND ANY ASSOCIATED FLASHING/MASTIC AROUND DOORS/WINDOWS AND ON COLUMNS, BEAMS OR BRICK LEDGES IN THIS AREA ARE TO BE ABATED. (THAPR - FULL CONTAINMENT) REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT SCOPE OF DEMOLITION AND REMOVAL. FIELD VERIFY ALL COMPONENTS TO BE DEMOLISHED.
3. DAMP PROOFING BLACK MASTIC APPLIED TO THRU WALL FLASHING OR ON BRICK IN THIS AREA ARE TO BE ABATED (NESHAP METHODS). REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT SCOPE OF DEMOLIITON AND REMOVAL. FIELD VERIFY ALL COMPONENTS TO BE DEMOLISHED.

ASBESTOS LEGEND (LOCATION PURPOSES ONLY)

- BLACK MASTIC DAMP PROOFING AND ASSOCIATED FLASHING APPLIED TO CMU BLOCK (MAY BE APPLIED TO COLUMNS, BEAMS, DOOR/WINDOW FLASHING, THRU-WALL FLASHING AND/OR BRICK LEDGE FLASHING).

efi global
2000 DAIRY ASHFORD, SUITE 600
HOUSTON, TEXAS 77077
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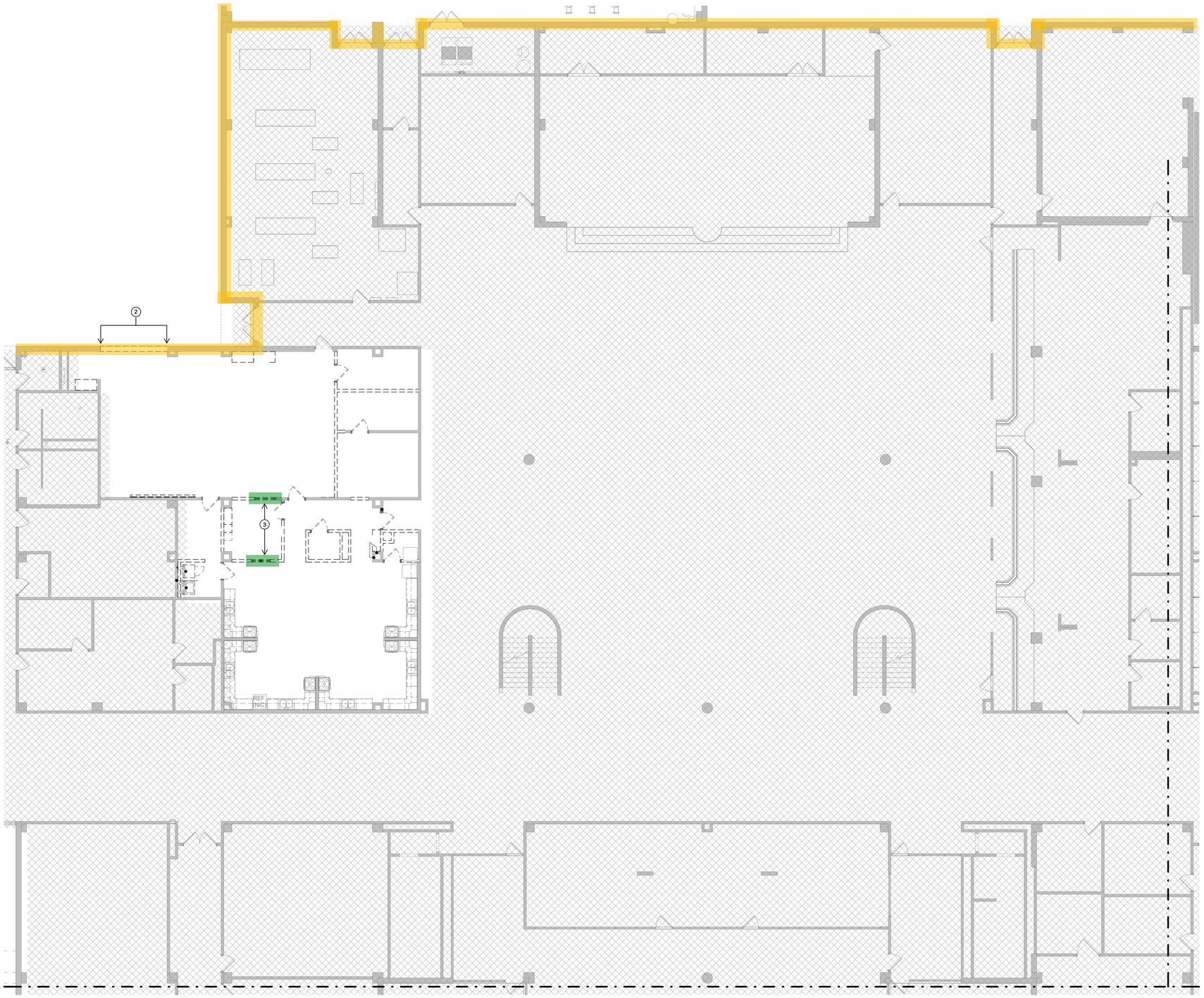
SHEET TITLE
COOK - ROOF ABATEMENT PLAN

SHEET NO.
ABT2.R



1 UNIT "D.1" ABATEMENT PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

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4. ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR ABATEMENT OF ALL ASBESTOS-CONTAINING MATERIALS.
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6. ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND VERIFYING THE ACTUAL QUANTITIES OF ALL ASBESTOS-CONTAINING MATERIALS AND OTHER REGULATED MATERIALS THAT WILL BE ABATED UNDER THE IDENTIFIED SCOPE OF WORK. WHILE SOME OF THE EXISTING AREAS OF ASBESTOS-CONTAINING MATERIALS ARE ACCESSIBLE OR EXPOSED, OTHER AREAS OF ASBESTOS-CONTAINING MATERIALS MAY BE "HIDDEN" (E.G. LOCATED ABOVE CEILINGS; IN WALLS OR CHASES; UNDER CARPET OR OTHER FLOOR FINISH MATERIALS; ABOVE AND/OR UNDER WALLS, MILLWORK, ETC.). ALL "HIDDEN" AREAS OF ASBESTOS-CONTAINING MATERIALS IN AREAS SCHEDULD FOR DEMOLITION IN THE SUBJECT BUILDING SHALL BE UNCOVERED AND ABATED BY THE ABATEMENT CONTRACTOR AS PART OF THE PROJECT SCOPE OF WORK.
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ABATEMENT PLAN KEYED NOTES:

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3. BLACK WINDOW GLAZING PUTTY IN THIS AREA IS TO BE ABATED (THAPR - FULL CONTAINMENT) FROM THE WINDOW FRAMING SYSTEM. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT SCOPE OF REMOVAL. FIELD VERIFY ALL COMPONENTS TO BE REMOVED.
4. DAMP PROOFING BLACK MASTIC APPLIED TO INTERIOR (ONCE EXTERIOR WALL) CMU BLOCK AND ASSOCIATED FLASHING/MASTIC AT LOUVERS IN THIS AREA ARE TO BE ABATED. (THAPR - FULL CONTAINMENT) REFER TO THE M.E.P. DRAWINGS FOR EXACT SCOPE OF DEMO AND REMOVAL. FIELD VERIFY ALL COMPONENTS TO BE DEMOLISHED.
5. WHITE OR CREAM MASTIC APPLIED TO CHILLED WATER PIPE INSULATION RUNS AND FITTINGS IN THIS AREA IS TO BE ABATED FROM CEILING PLENUM AREA. REFER TO THE ARCHITECTURAL/M.E.P. DRAWINGS FOR EXACT SCOPE OF REMOVAL. FIELD VERIFY ALL COMPONENTS/MATERIALS TO BE REMOVED. (THAPR - FULL CONTAINMENT OR GLOVEBAG).
6. WHITE OR CREAM MASTIC APPLIED TO HEATING WATER PIPE INSULATION RUNS AND FITTINGS IN THIS AREA IS TO BE ABATED FROM CEILING PLENUM AREA. REFER TO THE ARCHITECTURAL/M.E.P. DRAWINGS FOR EXACT SCOPE OF REMOVAL. FIELD VERIFY ALL COMPONENTS/MATERIALS TO BE REMOVED. (THAPR - FULL CONTAINMENT OR GLOVEBAG).
7. DAMP PROOFING BLACK MASTIC APPLIED TO CMU BLOCK AND/OR INSULATION WITH BLACK MASTIC SEALANT BEHIND BRICK VENEER IN THIS AREA IS TO BE ABATED FOR NEW THROUGH-WALL FLASHING INSTALLATION. (NESHAP METHODS) REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT SCOPE OF DEMOLIITON AND REMOVAL. FIELD VERIFY ALL COMPONENTS TO BE DEMOLISHED.

ASBESTOS LEGEND (LOCATION PURPOSES ONLY)

- BLACK MASTIC DAMP PROOFING AND ASSOCIATED FLASHING APPLIED TO CMU BLOCK (MAY BE APPLIED TO COLUMNS, BEAMS, DOOR/WINDOW FLASHING AND/OR BRICK LEDGE FLASHING).
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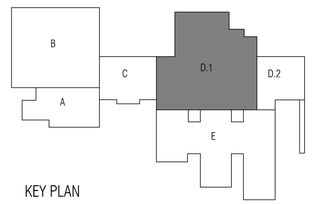

KEY PLAN

efi global
2000 DAIRY ASHFORD, SUITE 600
HOUSTON, TEXAS 77077
TEL: (832) 518-5145
FAX: (832) 518-5157

LABAY MIDDLE SCHOOL
15435 WILLOW RIVER
HOUSTON, TEXAS 77095

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ADDENDUM #01	MARCH 6, 2025

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EFI PROJECT NO.
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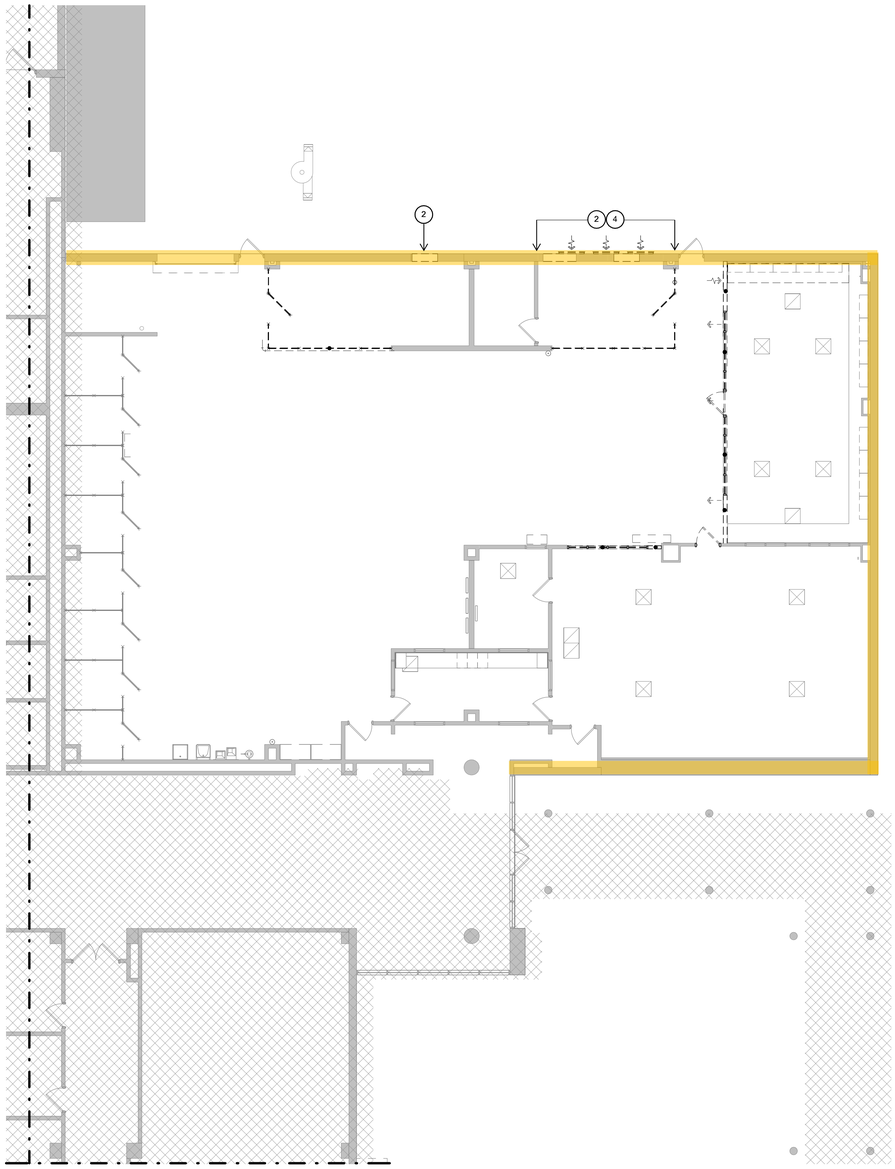
SHEET TITLE
LABAY - UNIT D.1 ABATEMENT PLAN - LEVEL ONE

SHEET NO.
ABT3.D.1



1 UNIT "D.2" ABATEMENT PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

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1. ABATEMENT PLANS WERE DERIVED FROM EXISTING BUILDING PLANS AND ARE INTENDED TO REASONABLY PRESENT EXISTING CONDITIONS. ABATEMENT CONTRACTOR SHALL VERIFY ACTURAL CONDITIONS AND COORDINATE ABATEMENT AND DEMOLITION WORK.
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ABATEMENT PLAN KEYED NOTES:

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ASBESTOS LEGEND (LOCATION PURPOSES ONLY)

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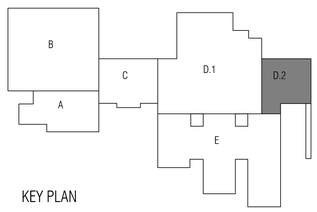

KEY PLAN

efi global
2000 DAIRY ASHFORD, SUITE 600
HOUSTON, TEXAS 77077
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REVISIONS

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ADDENDUM #01	MARCH 6, 2025

Director RA | Drawn By SH
Designer | Quality Control
Proj. Coord.

EFI PROJECT NO.
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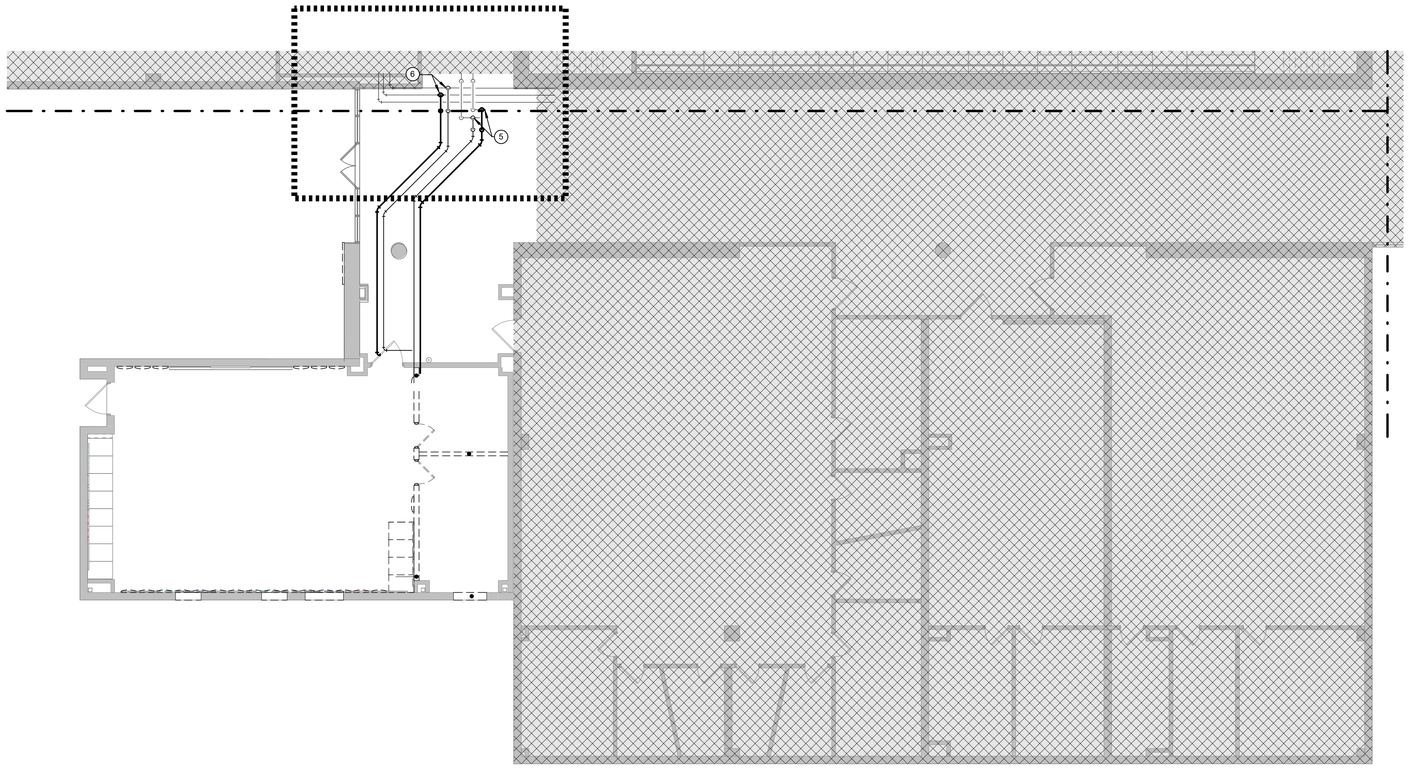
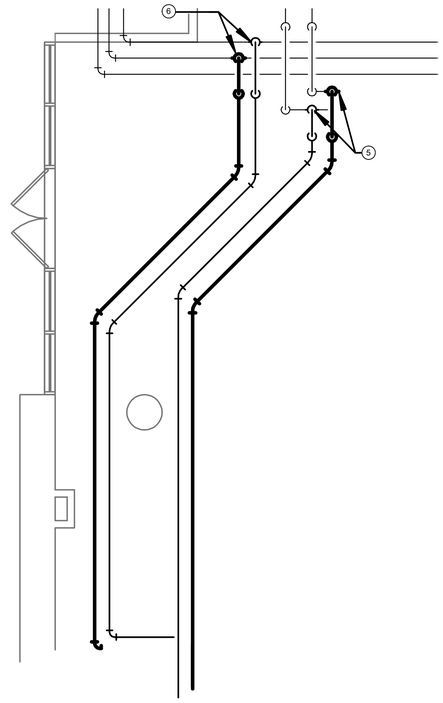
SHEET TITLE
LABAY - UNIT D.2
ABATEMENT PLAN - LEVEL ONE

SHEET NO.
ABT4.D.2



1 UNIT "A" ABATEMENT PLAN - LEVEL ONE



1 UNIT "A" ABATEMENT PLAN - LEVEL ONE MECHANICAL PIPING DETAIL

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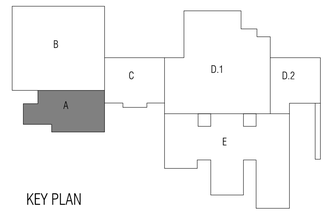
ABATEMENT PLAN KEYED NOTES:

1. DAMP PROOFING BLACK MASTIC APPLIED TO EXTERIOR CMU BLOCK AND ANY ASSOCIATED FLASHING/MASTIC AROUND DOORS/WINDOWS AND AT COLUMNS, BEAMS OR BRICK LEDGES IN THIS AREA ARE TO BE ABATED. (NESHAP METHODS) REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT SCOPE OF DEMO AND REMOVAL. FIELD VERIFY ALL COMPONENTS TO BE DEMOLISHED.
2. DAMP PROOFING BLACK MASTIC APPLIED TO INTERIOR (ONCE EXTERIOR WALL) CMU BLOCK AND ANY ASSOCIATED FLASHING/MASTIC AROUND DOORS/WINDOWS AND ON COLUMNS, BEAMS OR BRICK LEDGES IN THIS AREA ARE TO BE ABATED. (THAPR - FULL CONTAINMENT) REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT SCOPE OF DEMO AND REMOVAL. FIELD VERIFY ALL COMPONENTS TO BE DEMOLISHED.
3. BLACK WINDOW GLAZING PUTTY IN THIS AREA IS TO BE ABATED (THAPR - FULL CONTAINMENT), FROM THE WINDOW FRAMING SYSTEM. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT SCOPE OF REMOVAL. FIELD VERIFY ALL COMPONENTS TO BE REMOVED.
4. DAMP PROOFING BLACK MASTIC APPLIED TO INTERIOR (ONCE EXTERIOR WALL) CMU BLOCK AND ASSOCIATED FLASHING/MASTIC AT LOUVERS IN THIS AREA ARE TO BE ABATED. (THAPR - FULL CONTAINMENT) REFER TO THE M.E.P. DRAWINGS FOR EXACT SCOPE OF DEMO AND REMOVAL. FIELD VERIFY ALL COMPONENTS TO BE DEMOLISHED.
5. WHITE OR CREAM MASTIC APPLIED TO CHILLED WATER PIPE INSULATION RUNS AND FITTINGS IN THIS AREA IS TO BE ABATED FROM CEILING PLENUM AREA. REFER TO THE ARCHITECTURAL/M.E.P. DRAWINGS FOR EXACT SCOPE OF REMOVAL. FIELD VERIFY ALL COMPONENTS/MATERIALS TO BE REMOVED. (THAPR - FULL CONTAINMENT OR GLOVEBAG).
6. WHITE OR CREAM MASTIC APPLIED TO HEATING WATER PIPE INSULATION RUNS AND FITTINGS IN THIS AREA IS TO BE ABATED FROM CEILING PLENUM AREA. REFER TO THE ARCHITECTURAL/M.E.P. DRAWINGS FOR EXACT SCOPE OF REMOVAL. FIELD VERIFY ALL COMPONENTS/MATERIALS TO BE REMOVED. (THAPR - FULL CONTAINMENT OR GLOVEBAG).
7. DAMP PROOFING BLACK MASTIC APPLIED TO CMU BLOCK AND/OR INSULATION WITH BLACK MASTIC SEALANT BEHIND BRICK VENEER IN THIS AREA IS TO BE ABATED FOR NEW THROUGH-WALL FLASHING INSTALLATION. (NESHAP METHODS) REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT SCOPE OF DEMOLITON AND REMOVAL. FIELD VERIFY ALL COMPONENTS TO BE DEMOLISHED.

ASBESTOS LEGEND (LOCATION PURPOSES ONLY)

- BLACK MASTIC DAMP PROOFING AND ASSOCIATED FLASHING APPLIED TO CMU BLOCK (MAY BE APPLIED TO COLUMNS, BEAMS, DOOR/WINDOW FLASHING AND/OR BRICK LEDGE FLASHING).
- BLACK WINDOW GLAZING PUTTY



KEY PLAN

efi global
2000 DAIRY ASHFORD, SUITE 600
HOUSTON, TEXAS 77077
TEL: (832) 518-5145
FAX: (832) 518-5157

LABAY MIDDLE SCHOOL
15435 WILLOW RIVER
HOUSTON, TEXAS 77095

CYPRESS-FAIRBANKS ISD
HOUSTON,TEXAS

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Issue For Proposal

SAM HUFF TDSHS# 105902
SAM.HUFF@EFIGLOBAL.COM
EFI PROJECT#: 029.07283

ISSUED: February 28, 2025

REVISIONS

Revision No.	Revision Date
ADDENDUM #01	MARCH 6, 2025

Director RA	Drawn By SH
Designer	Quality Control
Proj. Coord.	

EFI PROJECT NO.

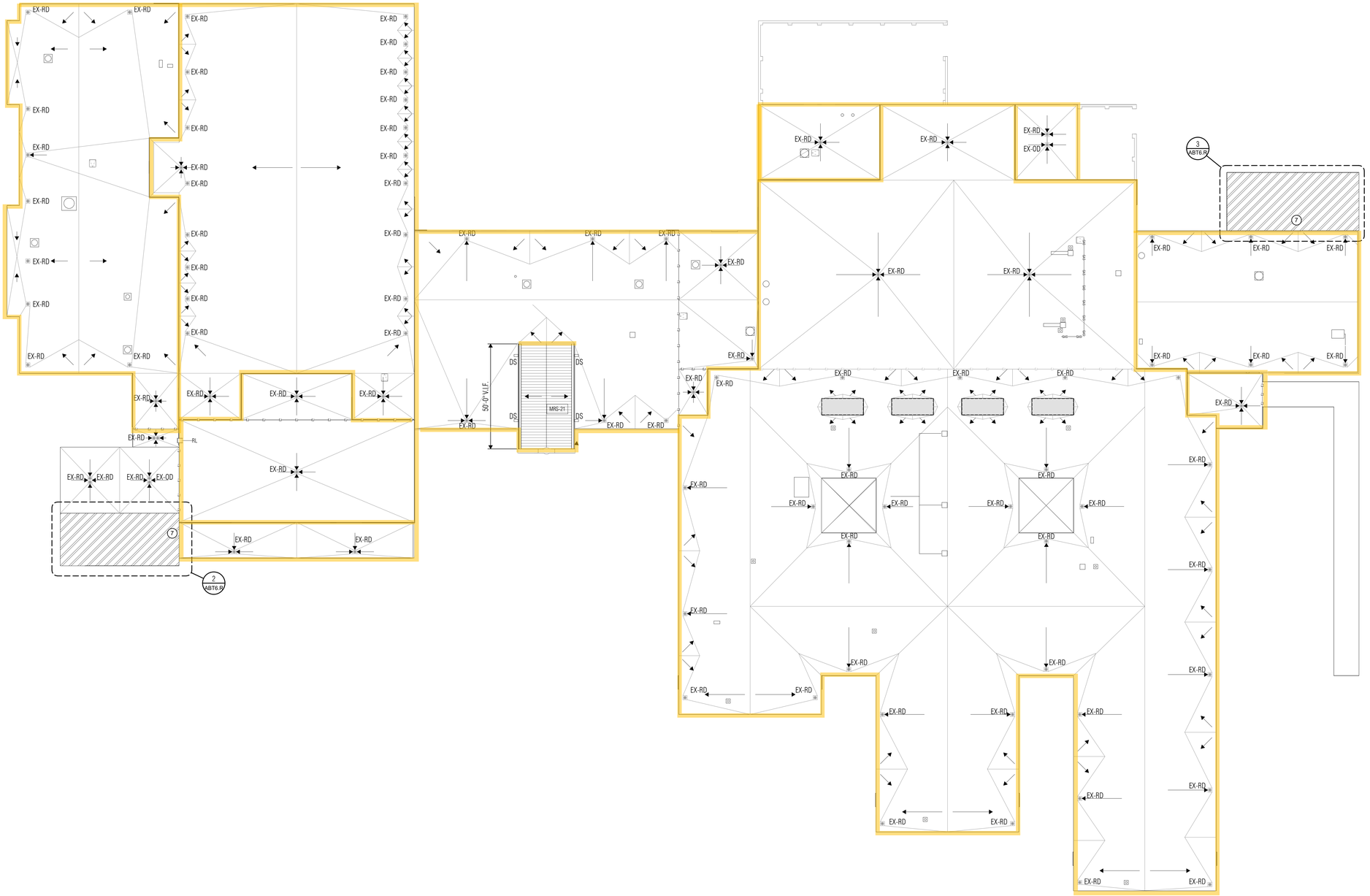
029.07284

SHEET TITLE

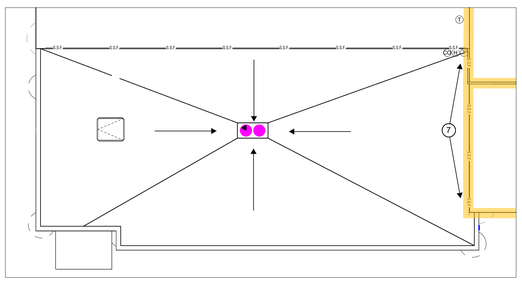
LABAY - UNIT A ABATEMENT PLAN - LEVEL ONE

SHEET NO.

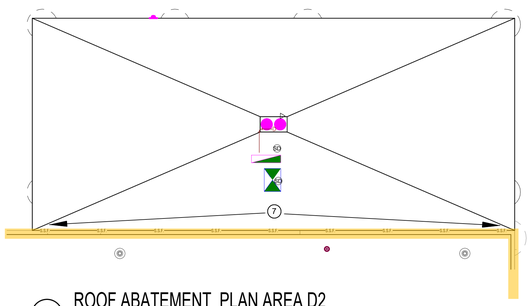
ABT5.A



1 OVERALL ROOF ABATEMENT PLAN
SCALE: 3/64" = 1'-0"



2 ROOF ABATEMENT PLAN AREA A
SCALE: 1/8" = 1'-0"



3 ROOF ABATEMENT PLAN AREA D2
SCALE: 1/8" = 1'-0"

ABATEMENT PLAN GENERAL NOTES:

1. ABATEMENT PLANS WERE DERIVED FROM EXISTING BUILDING PLANS AND ARE INTENDED TO REASONABLY PRESENT EXISTING CONDITIONS. ABATEMENT CONTRACTOR SHALL VERIFY ACTURAL CONDITIONS AND COORDINATE ABATEMENT AND DEMOLITION WORK.
2. REFERENCE ARCHITECT'S DEMOLITION SPECIFICATIONS AND DRAWINGS FOR DEMOLITION REQUIREMENTS AND EXISTING BUILDING DRAWINGS FOR BUILDING CONSTRUCTION CONDITIONS
3. THESE DRAWINGS ARE REPRESENTATIVE OF TYPICAL CONDITIONS IN THE BUILDING. HOWEVER, THE LOCATIONS OF ALL ASBESTOS CONTAINING MATERIALS ARE NOT SHOWN. ABATEMENT CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE AREAS TO BE ABATED AND THE LOCATIONS OF ALL ASBESTOS-CONTAINS MATERIALS.
4. ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR ABATEMENT OF ALL ASBESTOS-CONTAINING MATERIALS.
5. THE ASBESTOS ABATEMENT SCOPE OF WORK IS DESCRIBED IN THE ABATEMENT SPECIFICATIONS. THE ASBESTOS ABATEMENT SCOPE OF WORK SHALL ALSO INCLUDE ANY HIDDEN ASBESTOS-CONTAINING MATERIALS THAT MAY BE ASSUMED OR UNCOVERED DURING THE BUILDING SELECTIVE DEMOLITION ACTIVITIES. THE ASBESTOS-CONTAINING MATERIALS IDENTIFIED IN THE BUILDING INCLUDE, AS A MINIMUM, THE FOLLOWING MATERIALS: INTERIOR ASBESTOS-CONTAINING MATERIALS: BLACK DAMPPROOFING MASTICS AND ANY ASSOCIATED FLASHINGS; CREAM/TAN DUCT MASTIC, OLD DOMESTIC HOT WATER PIPE INSULATION WITH WHITE/CREAM MASTIC, CHILLED/HEATING WATER PIPE INSULATION WITH WHITE/CREAM MASTIC, BLACK WINDOW GLAZING PUTTY AROUND INTERIOR WINODWS, AND FIRE DOORS (ASSUMED ASBESTOS). EXTERIOR ASBESTOS-CONTAINING MATERIALS: BLACK DAMPPROOFING MASTICS AND ANY ASSOCIATED FLASHINGS.
6. ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND VERIFYING THE ACTUAL QUANTITIES OF ALL ASBESTOS-CONTAINING MATERIALS AND OTHER REGULATED MATERIALS THAT WILL BE ABATED UNDER THE IDENTIFIED SCOPE OF WORK. WHILE SOME OF THE EXISTING AREAS OF ASBESTOS-CONTAINING MATERIALS ARE ACCESSIBLE OR EXPOSED, OTHER AREAS OF ASBESTOS-CONTAINING MATERIALS MAY BE "HIDDEN" (E.G. LOCATED ABOVE CEILINGS; IN WALLS OR CHASES; UNDER CARPET OR OTHER FLOOR FINISH MATERIALS; ABOVE AND/OR UNDER WALLS, MILLWORK, ETC.). ALL "HIDDEN" AREAS OF ASBESTOS-CONTAINING MATERIALS IN AREAS SCHEDULD FOR DEMOLITION IN THE SUBJECT BUILDING SHALL BE UNCOVERED AND ABATED BY THE ABATEMENT CONTRACTOR AS PART OF THE PROJECT SCOPE OF WORK.
7. PERFORM SELECTIVE DEMOLITION OF WALL AREAS, CEILING AREAS, FLOOR AREAS, CHASE AREAS, ETC. AS REQUIRED TO UNCOVER AND LOCATE ALL "HIDDEN" AREAS OF ASBESTOS-CONTAINING MATERIALS IN AREAS SCHEDULED FOR DEMOLITION IN THE SUBJECT BUILDING.
8. FOR INTERIOR OR EXTERIOR WALL OPENINGS THAT IMPACT ASBESTOS CONTINAING MATERIALS, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR IDENTIFING AND MARKING OFF ANY NEW WALL OPENING LOCATIONS FOR THE ABATMENT CONTRACTOR.

ABATEMENT PLAN KEYED NOTES:

1. DAMP PROOFING BLACK MASTIC APPLIED TO EXTERIOR CMU BLOCK AND ANY ASSOCIATED FLASHING/MASTIC AROUND DOORS/WINDOWS AND AT COLUMNS, BEAMS OR BRICK LEDGES IN THIS AREA ARE TO BE ABATED. (NESHAP METHODS) REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT SCOPE OF DEMO AND REMOVAL. FIELD VERIFY ALL COMPONENTS TO BE DEMOLISHED.
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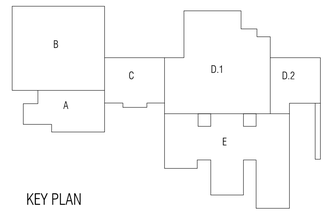

KEY PLAN

efi global
2000 DAIRY ASHFORD, SUITE 600
HOUSTON, TEXAS 77077
TEL: (832) 518-5145
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SAM HUFF TDSHS# 105902
SAM.HUFF@EFIGLOBAL.COM
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REVISIONS

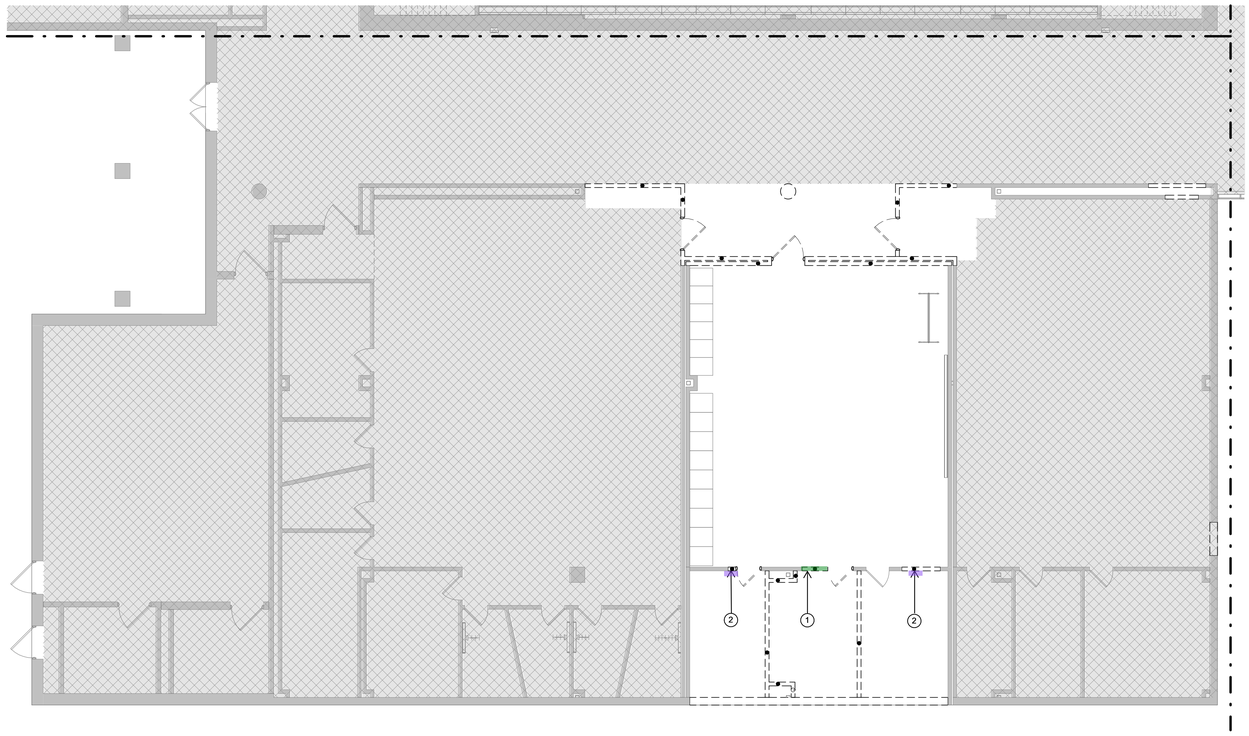
Revision No.	Revision Date
ADDENDUM #01	MARCH 6, 2025

Director RA | Drawn By SH
Designer | Quality Control
Proj. Coord.

EFI PROJECT NO.
029.07284

SHEET TITLE
LABAY - UNIT A
ABATEMENT PLAN - LEVEL ONE

SHEET NO.
ABT6.R



1 UNIT "A" ABATEMENT PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

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1. ABATEMENT PLANS WERE DERIVED FROM EXISTING BUILDING PLANS AND ARE INTENDED TO REASONABLY PRESENT EXISTING CONDITIONS. ABATEMENT CONTRACTOR SHALL VERIFY ACTURAL CONDITIONS AND COORDINATE ABATEMENT AND DEMOLITION WORK.
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ABATEMENT PLAN KEYED NOTES:

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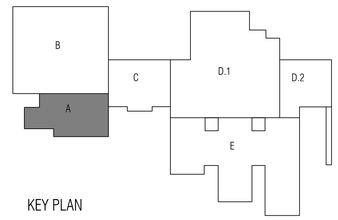
2. MIRROR MASTIC AND ASSOCIATED MIRROR IN THIS AREA IS TO BE ABATED (THAPR - FULL CONTAINMENT). REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT SCOPE OF DEMOLITION AND REMOVAL. FIELD VERIFY ALL COMPONENTS TO BE DEMOLISHED.

ASBESTOS LEGEND (LOCATION PURPOSES ONLY)

- BLACK MIRROR MASTIC
- BLACK WINDOW GLAZING PUTTY



KEY PLAN

efi global
2000 DAIRY ASHFORD, SUITE 600
HOUSTON, TEXAS 77077
TEL: (832) 518-5145
FAX: (832) 518-5157

TRUITT MIDDLE SCHOOL
6600 ADDICKS SATSUMA ROAD
HOUSTON, TEXAS 77084

CYPRESS-FAIRBANKS ISD
HOUSTON,TEXAS

2024 Cook, Labay, and Truitt MS Renovation

Issue For Proposal

SAM HUFF TDSHS# 105902
SAM.HUFF@EFIGLOBAL.COM
EFI PROJECT#: 029.07283

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REVISIONS

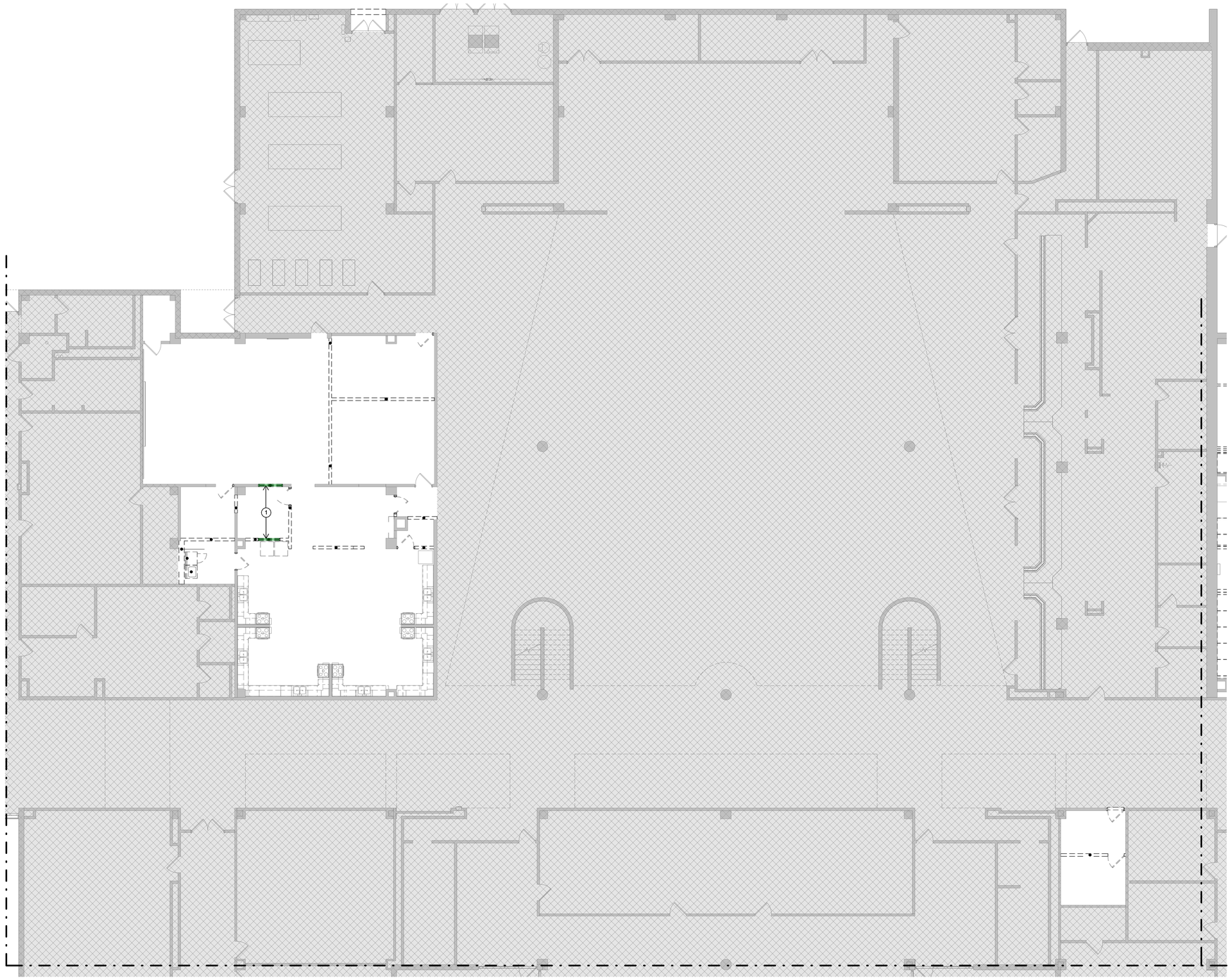
Revision No.	Revision Date
ADDENDUM #01	MARCH 6, 2025

Director RA
Drawn By SH
Designer
Quality Control
Proj. Coord.

EFI PROJECT NO.
029.07285

SHEET TITLE
TRUITT - UNIT A ABATEMENT PLAN - LEVEL ONE

SHEET NO.
ABT7.A



1 UNIT "D.1" ABATEMENT PLAN - LEVEL ONE
SCALE: 1/8" = 1'-0"

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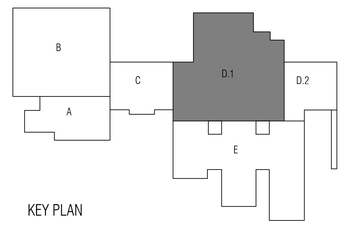

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SHEET TITLE
TRUITT - UNIT A ABATEMENT PLAN - LEVEL ONE

SHEET NO.
ABT8.D.1