PLANNORTH
ARCHITECTURAL CO.

P.O. BOX 2468,
BRENHAM, TEXAS 77834
PH. 979-421-8003

ADDENDUM NO. 01
WASHINGTON COUNTY RECORDS STORAGE

BRENHAM, TEXAS

July 16, 2025

07/16/2025

NOTICE TO PROPOSERS:

This Addendum shall be considered part of the specifications and drawings for the above-named project as though it had been issued at the same time and incorporated integrally with such plans. Wherein provisions of the following supplementary plans and specifications contained in this Addendum differ from the provisions of the original drawings, the provisions of this Addendum shall govern and take precedence.

Proposers are hereby notified that they are to make any adjustments in their estimates which they may deem necessary because of this Addendum; it will be considered that each bidder's proposal is submitted with full knowledge of all modifications and changes specified herein. This Addendum shall become a component of the Contract Documents.

Proposers shall acknowledge receipt of this Addendum on the Addendum Acknowledgement form in the designated place.

This Addendum consists of: (**22**) 8-1/2" x 11" pages and (**7**) Re-issued 24" x 36" full sized sheets.

I. General Clarifications

A. Questions & Answers

01 Question: Drawing sheet ES1.00 currently shows 1-3" underground conduit for the new electrical service. At the pre-bid meeting it was expressed that the existing conduit in place would be used for the new elect service. The existing conduit is currently a 2" line. Can you please confirm if a new 3" underground conduit is to be installed which will require saw cutting the existing sidewalk, driveway & parking area?

a. Answer: Contractor is required to upsize the conduit to 3" to accommodate the larger electrical service for the building. The existing 2" must be replaced with the 3" per the Plan.

02 Question: Are the existing ridge vents to be demolished or remain in place?

a. **Answer: The existing ridge vents shall be removed/demolished. Proposed roof does not require replacement.**

03 Question: Will the PEMB structure be exposed in the rear building?

a. Answer: Yes, the existing structure shall remain visible; insulated metal panels will have factory finished metal.

04 Question: Will the existing concrete require a stain?

a. **No, where scheduled, polished concrete shall be polished and sealed per specifications. No stain is required.**

05 Question: What locations are to receive FRP wall finish?

a. **Answer: FRP is referenced per detail 20, 21, 22/A8.01 surrounding the mop sink.**

06 Question: Will exposed structure be painted?

a. **Answer: Yes, paint all PEMB columns, beams, purlins, and girts color PT-2.**

07 Question: On the lower building where the vertical PBD wall panels are being installed we are not finding any type of vapor barrier being installed except for the R-19 wall insulation friction fit into the existing wood framing. Will there be a need to install a VRV (Vinyl Reinforced Vinyl Insulation) during wall panel install? Please confirm.

a. **Answer: Yes, include 3" VRV insulation between non-insulated metals wall panels and exterior face of girts. See revisions to sheet A6.10 and A6.11.**

08 Question: Verify millwork countertop finish since there are conflicting per elevation, A8.01 noting PLAM finish while millwork detail A8.10 and specs. specify a solid surface countertop finish.

a. **Answer: Countertops shall be PLAM, see revisions to sheet A8.10.**

09 Question: Verify that alternate #1 for mechanical roller shades applicable to exterior window only per window type 05. Does it need to include interior type 04. Same for the Alternate 2 interior windows.

a. **Answer: Alternate #1 shall include roller shades at all locations both interior and exterior as if the project includes the scope or work associated with alternate #2.**

10 Question: Is builder risk insurance required?

a. **Answer: Yes, Builder Risk Insurance will be required for the duration of the project.**

11 Question: Per the condensing units that were specs. The unit specs. is discontinued models for R-410A refrigerant, R454B has replaced this. Please verify that it is acceptable.

a. **Answer: Yes, replacement of discontinued refrigerant is acceptable.**

12 Question: Can you share the Sign-in sheet/Attendees list from the Pre-Bid Conference?

a. **Answer: Please see attached sign in sheet from the Pre-Bid/Proposal Meeting dated 06/24/2025**

13 Question: It appears that Attachment D is missing from the RFP – Attachment A - Bid Form is included, Attachment B - Proposal Evaluation Waiver is included, Attachment C - Certification of Proposal is included. Page 18 of the RFP states Attachments A, B, C, and D should be included with the completed proposal. Please advise.

a. **Answer: Table of Contents and RFP have been updated to reflect correct references to attachments A-C, Attachment D reference has been omitted and not applicable to the project.**

14 Question: Have you had an opportunity to get an asbestos survey together so if needed we can get something going on abatement cost?

a. **Answer: Please refer to the included "Building Inspection Report for Asbestos-Containing Building Materials" from Austin Environmental dated July 10th, 2025.**

15 Question: Can you please verify the correct unit number. The condensing units that are specified are also discontinued models for R-410A refrigerant, R454B has replaced this.

a. **Answer: The AHU model #s are correct. The units are intended to be double wall construction with features as specified. Replacement of discontinued refrigerant is acceptable.**

16 Question: Scope: HVAC, Sheet: M2.00. Condensing units appear to be specified with a discontinued model utilizing R-410A refrigerant. R454B has replaced this. Please verify the ACCU model required.

a. **Answer: Replacement of discontinued refrigerant is acceptable.**

17 Question: Scope: HVAC, Sheet: M2.00. The AHU appear to have incorrect unit listed on schedule. Assumption is that a 39L-11PD unit should be listed. Please verify which AHU model is required.

a. **Answer: AHU model #s are based of manufacturer's catalog for reference purposes only. Coordinate with manufacturer rep as needed to provide the correct model for the required performance.**

18 Question: Scope: Sectional Overhead Doors, Sheet: E7.10. No power denotation regarding the Overhead Door electric operator at panel schedules.

a. Answer: Door will be powered, reference modified panel schedule and circuitry

II. Modifications to the Project Manual

A. Table of Contents

01 Changed Attachment D to Attachment C – Certification of Proposal.

B. Section 00 11 19 Request For Proposals

01 Changed Attachment D to Attachment C – Certification of Proposal in Page 18.

III. Modifications to the Drawing

A. Sheet A6.10 Wall Sections

01 Revised to include 3" VRV insulation between non-insulated metals wall panels and exterior face of girts.

B. Sheet A6.11 Section Details

01 Revised to include 3" VRV insulation between non-insulated metals wall panels and exterior face of girts.

C. Sheet A8.10 Millwork Details

01 Revised countertops to PLAM.

D. Sheet E 2.01 Electrical Power New Floor Plan

01 Added circuitry for overhead door and added clarification for service entry conduits.

E. Sheet E 7.01 Electrical Riser Diagram & Panel Schedule

01 Added circuit for overhead door and misc. edits to wiring requirements.

F. Sheet M 1.01 Mechanical New Floor Plan

01 Added notes for exposed ductwork in Room 121.

G. Sheet M 2.00 Mechanical Schedules

01 Modified notes for ACU & ACCU Schedule.

END OF DOCUMENT

PLANNORTH
ARCHITECTURAL CO.

PROJECT NUMBER: 2408_PN
DATE/TIME OF PRE-BID MEETING: June 24, 2025 at 1:00 PM
LOCATION OF PRE-BID MEETING: 2509 TX-105, Brenham, TX 77833

PRE-BID SIGN-IN SHEET

Firm Represented:	Rep Name (Printed):	Firm Address:	Telephone #:	Fax #:	Email:
Burton Home Builders	Landy Fuchs	9706 HWY 290 W Brenham	979-203-7287		landryfuchs@gmail.com
RM Dudley	mike Donaldson	11870 C.S TX	979-776 2135		bids@rmdudleyconstruction.com
Rug Andrejczak	Chappel Hill Const	1705 S. Blue Bell Road	979-836 7823		rugchcc@swbell.net
Tom Albus	Collier Construction	PO Box 1889 Brenham, TX	979-836-4477		bid@collierconstruction.com
Shellback construction	Kyle Wirtz	1840 WINDY ACRES RD Brenham, TX	757 656 792		Kwirtz@Shellbackconstruction.com
MBE MANAGEMENT	JACOB MALEK	7984 HWY 6 NAVASOTA, TX 77868	936 825 6603		j.malek@mbemusa.com

June 11, 2025

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4. The complete proposal should include the following:

a. Completed and signed bid form (Attachment A)
b. Contractor's Qualification Statement (AIA Document A-305 or equal)
c. Bid bond, certified check or cashier's check for 5% of the total bid amount
d. Attachments B-C (Proposal Evaluation Waiver, Certification of Proposal) - Addendum 1.

5. By signing the certification below, the vendor verifies that all plans, specifications and addenda have been reviewed and are considered in the pricing attached.

R. PRICING: Please refer to Attachment A.

Limited
Building Inspection Report for
Asbestos-Containing Building Materials (ACBM)

Future Washington County
Building D only, Building Remodel
2509 Highway 105
Brenham, Texas

Prepared for:
Plan North
Mr. Ken Burch
107 S. Baylor St.,
Brenham, Texas

PROJECT NO:
AEA25-105

Prepared by:
Austin Environmental, Inc.
Environmental Consultants
P.O. Box 143263
Austin, Texas 78714
979-229-4385 Phone

July 10, 2025

Austinenv.com

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AUSTIN ENVIRONMENTAL, INC.
P.O. Box 143263
Austin, Texas 78714
(512) 587-8036

July 10, 2025

Plan North
Mr. Ken Burch
107 S. Baylor St.,
Brenham, Texas

RE: Asbestos Inspection for the future Washington County Building D only, 2509 Highway 105, Brenham, Texas

Mr. Burch:

On July 7th, 2025, at your request, Mr. James Hendrix, a licensed asbestos inspector (#603677) and a representative of Austin Environmental, Inc., conducted a asbestos inspection of the future Washington County Building D only located at 2509 Highway 105 in Brenham, Texas.

The purpose of the asbestos inspection was to determine the presence, condition and location of suspect friable and non-friable asbestos-containing building materials (ACBM) / asbestos-containing materials (ACM) prior to renovation activities.

Friable asbestos-containing material refers to material, which contains more than one (>1%) percent asbestos by weight and when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. **Non-friable** asbestos-containing material is any material containing more than one (>1%) percent asbestos by weight and when dry, cannot be crumbled, pulverized or reduced to powder by hand pressure.

The Federal National Emission Standard for Hazardous Air Pollutants (NESHAP) 40 Code of Federal Regulations (CFR) Part 61, subpart M, and the Texas Asbestos Health Protection Rules (TAHPR) requires that prior to any renovation or demolition of a commercial or public building that it must be inspected for the presence of suspect ACBM.

The scope of work and services provided include:

- ♦ Field investigation and visual observations
- ♦ Define homogeneous areas and sampling strategy
- ♦ Sampling of suspect asbestos-containing building materials-Surfacing (S) and Miscellaneous (M)
- ♦ Analysis of suspect asbestos-containing building materials
- ♦ Collect information on the friability of asbestos-containing building materials

Suspect ACBM/ACM was physically handled to determine friability and bulk samples were obtained for analysis. The inspection involved sampling of twenty-two (22) suspect asbestos-containing building materials and analyzing under Polarized Light Microscopy with Dispersion Staining (PLM/DS) EPA Method 600 /R-93/ 116. The PLM results are attached to this report.

The asbestos inspection was conducted on a homogenous-area basis with the construction materials sampled and tested that are suspect to contain asbestos. A complete list of suspect asbestos containing-building materials that were sampled is provided in the enclosed PLM report and chain of custody forms.

RESULTS

The suspect asbestos-containing building materials sampled and tested were determined to be None Detected for asbestos content.

Building materials sampled and tested for asbestos include; drywall texture, insulation, floor tile/mastic, carpet/mastic, cove base mastic, ceiling tile, foam insulation and exterior window caulking**. Building materials not sampled and not considered suspect for asbestos include; metal, wood, PVC, concrete, fiberglass, brick/mortar, glass, plastic, etc.**

All materials detected/uncovered during present or future renovations or demolitions that are not listed, as being sampled on the Chain of Custody Form and will be disturbed, must be sampled and analyzed prior to disturbance. All additional samples and assessments are to be conducted by properly licensed individuals.

New building materials should be addressed to ensure that they do not contain asbestos. Manufactures labels or safety data sheets (SDS) should be reviewed and documented to ensure that any asbestos-containing building products are not used during future construction.

LIMITATIONS

This report only applies to the scope of work described herein. This report describes existing conditions at the time of services. Conditions of asbestos-containing materials may change as a result of damage, deterioration or other disturbance and may increase the potential for elevated fiber levels.

This report applies only to accessible areas observed during our field services. Asbestos-containing materials may exist in concealed inaccessible enclosures, such

as areas enclosed by permanent partitions, walls, chases, shafts, equipment etc. Material locations and quantities are estimates only and may vary.

Although a good-faith effort was made to locate asbestos-containing materials in the area within the scope of work, extensive destructive inspection and/or testing was not conducted due to the expense, potential exposure hazards and/or potential regulatory violations.

All surfaces, paints, wire insulation, electrical panels, encased or enclosed vapor barrier, fire rated doors and panels, furnishings, ceramic tile, terrazzo tile, fiberglass insulation, Heating Ventilation and Air Conditioning (HVAC) Systems, fixtures and similar materials and equipment were not sampled and analyzed due to safety concerns and expense. Inspection and testing for mold, lead-based paint, polychlorinated biphenyl (PCB) containing light ballast and/or other hazardous and/or regulated materials was not included in Austin Environmental Inc.'s survey.

Per the DSHS TAHPR this document (asbestos survey report) may not be used as a design (specification) for asbestos abatement. Design and/or abatement air monitoring services were not included in Austin Environmental Inc.'s scope of work.

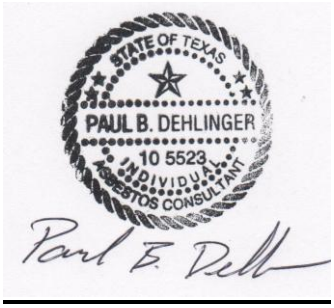
Austin Environmental Inc. makes no warranty and assumes no liability for the inappropriate use or misuse of this document.

Austin Environmental, Inc., would be pleased to provide you with our asbestos consulting and air monitoring services during any future asbestos abatement projects.

Should you have any questions or require any further asbestos-related services please contact us at 979-229-4385.

Sincerely,

AUSTIN ENVIRONMENTAL, INC.



Paul Dehlinger,
Individual Asbestos Consultant License No. 10-5523
Asbestos Consultant Agency License No. 10-0313

James Hendrix
Asbestos Inspector 603677

ASBESTOS BULK ANALYSIS REPORT

Date: July 10, 2025

Austin Environmental, Inc.

Report: 3425-2329
AEA25-105 / Future Washington Co. Building D. / 2509 Highway 105, Brenham, TX

This document shall be considered a duly signed original report of the results obtained from the analysis(es) performed. All analyses are done within government guidelines and regulations.

Jacob Simmons
Laboratory Manager

Lab Comments on Project: N/A

306 W. Edgewood Dr., Suite C, Friendswood, TX 77546 www.apasi.net Office (281) 648-9918 | Fax (281) 648-9595

PLM (Bulk) - Asbestos Analysis Report - Visual ID

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials and EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

Austin Environmental, Inc.
P.O. Box 143263
Austin, TX 78711
979-778-2699
Contact: Paul Dehlinger

Report Number: 3425-2329
Report Date: July 10, 2025
Samples Collected: July 7, 2025
Date Received: July 8, 2025
Turn-around time: 48 Hour

Job ID / Site: AEA25-105 / Future Washington Co. Building D. / 2509 Highway 105, Brenham, TX

Client Sample Number	Lab Sample Number (by layer)	Color / Description / Fibrous / NonFibrous / Homogeneity	Asbestos Content Type & %	Non-Asbestos Fibrous Type & %	Matrix
1A	3425-2329-01A	White / Texture / NonFibrous / Homogeneous	None Detected	None Detected	Binder
	3425-2329-01B	Off White / Joint Tape / Fibrous / Homogeneous	None Detected	Cellulose 95%	Binder
	3425-2329-01C	White / Joint Compound / NonFibrous / Homogeneous	None Detected	None Detected	Binder
	3425-2329-01D	Off White / Joint Tape / Fibrous / Homogeneous	None Detected	Cellulose 95%	Binder
	3425-2329-01E	White / Joint Compound / NonFibrous / Homogeneous	None Detected	None Detected	Binder
	3425-2329-01F	Brown,White / Drywall / Fibrous / Homogeneous	None Detected	Cellulose 10%	Binder
1B	3425-2329-02A	White / Texture / NonFibrous / Homogeneous	None Detected	None Detected	Binder
	3425-2329-02B	Brown,White / Drywall / Fibrous / Homogeneous	None Detected	Cellulose 10%	Binder
1C	3425-2329-03A	White / Texture / NonFibrous / Homogeneous	None Detected	None Detected	Binder
	3425-2329-03B	Brown,White / Drywall / Fibrous / Homogeneous	None Detected	Cellulose 10%	Binder

PLM (Bulk) - Asbestos Analysis Report - Visual ID

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials and EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

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Austin, TX 78711
979-778-2699
Contact: Paul Dehlinger

Report Number: 3425-2329
Report Date: July 10, 2025
Samples Collected: July 7, 2025
Date Received: July 8, 2025
Turn-around time: 48 Hour

Job ID / Site: AEA25-105 / Future Washington Co. Building D. / 2509 Highway 105, Brenham, TX

Client Sample Number	Lab Sample Number (by layer)	Color / Description / Fibrous / NonFibrous / Homogeneity	Asbestos Content Type & %	Non-Asbestos Fibrous Type & %	Matrix
2A	3425-2329-04A	White,Light Blue / Floor Tile / NonFibrous / Homogeneous	None Detected	None Detected	Binder
	3425-2329-04B	Yellow / Mastic / NonFibrous / Homogeneous	None Detected	None Detected	Binder
2B	3425-2329-05A	White,Light Brown / Floor Tile / NonFibrous / Homogeneous	None Detected	None Detected	Binder
	3425-2329-05B	Yellow / Mastic / NonFibrous / Homogeneous	None Detected	None Detected	Binder
2C	3425-2329-06	White,Light Blue / Floor Tile / NonFibrous / Homogeneous	None Detected	None Detected	Binder
3A	3425-2329-07A	Grey / Cove Base / NonFibrous / Homogeneous	None Detected	None Detected	Binder
	3425-2329-07B	Yellow / Mastic / NonFibrous / Homogeneous	None Detected	None Detected	Binder
3B	3425-2329-08A	Grey / Cove Base / NonFibrous / Homogeneous	None Detected	None Detected	Binder
	3425-2329-08B	Yellow / Mastic / NonFibrous / Homogeneous	None Detected	None Detected	Binder
3C	3425-2329-09A	Grey / Cove Base / NonFibrous / Homogeneous	None Detected	None Detected	Binder

NVLAP Lab Code: 200633-0 PLM

TDSHS Asbestos License#: 30-0312 PLM/PCM

306 W. Edgewood Dr., Suite C, Friendswood, TX 77546 www.apasi.net Office (281) 648-9918 | Fax (281) 648-9595

PLM (Bulk) - Asbestos Analysis Report - Visual ID

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials and EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

Austin Environmental, Inc.
P.O. Box 143263
Austin, TX 78711
979-778-2699
Contact: Paul Dehlinger

Report Number: 3425-2329
Report Date: July 10, 2025
Samples Collected: July 7, 2025
Date Received: July 8, 2025
Turn-around time: 48 Hour

Job ID / Site: AEA25-105 / Future Washington Co. Building D. / 2509 Highway 105, Brenham, TX

Client Sample Number	Lab Sample Number (by layer)	Color / Description / Fibrous / NonFibrous / Homogeneity	Asbestos Content Type & %	Non-Asbestos Fibrous Type & %	Matrix
3C	3425-2329-09B	Yellow / Mastic / NonFibrous / Homogeneous	None Detected	None Detected	Binder
4A	3425-2329-10	White,Off White / Ceiling Tile / Fibrous / Homogeneous	None Detected	Cellulose 30% Fibrous Glass 10%	Binder
4B	3425-2329-11	White,Off White / Ceiling Tile / Fibrous / Homogeneous	None Detected	Cellulose 30% Fibrous Glass 10%	Binder
4C	3425-2329-12	White,Off White / Ceiling Tile / Fibrous / Homogeneous	None Detected	Cellulose 30% Fibrous Glass 10%	Binder
5A	3425-2329-13A	Blue,White,Black / Carpet / Fibrous / Homogeneous	None Detected	Synthetic 90%	Binder
	3425-2329-13B	Yellow / Mastic / NonFibrous / Homogeneous	None Detected	None Detected	Binder
5B	3425-2329-14A	Blue,White,Black / Carpet / Fibrous / Homogeneous	None Detected	Synthetic 90%	Binder
	3425-2329-14B	Yellow / Mastic / NonFibrous / Homogeneous	None Detected	None Detected	Binder
5C	3425-2329-15A	Blue,White / Carpet / Fibrous / Homogeneous	None Detected	None Detected	Binder
	3425-2329-15B	Yellow / Mastic / NonFibrous / Homogeneous	None Detected	None Detected	Binder

Apex Precision Analytical Services, Inc.

An Independent Laboratory Providing Reliable Analysis with Professionalism and Honesty

PLM (Bulk) - Asbestos Analysis Report - Visual ID

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials and EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

Austin Environmental, Inc.
P.O. Box 143263
Austin, TX 78711
979-778-2699
Contact: Paul Dehlinger

Report Number: 3425-2329
Report Date: July 10, 2025
Samples Collected: July 7, 2025
Date Received: July 8, 2025
Turn-around time: 48 Hour

Job ID / Site: AEA25-105 / Future Washington Co. Building D. / 2509 Highway 105, Brenham, TX

Client Sample Number	Lab Sample Number (by layer)	Color / Description / Fibrous / NonFibrous / Homogeneity	Asbestos Content Type & %	Non-Asbestos Fibrous Type & %	Matrix
6A	3425-2329-16A	White / Wrap / NonFibrous / Homogeneous	None Detected	None Detected	Binder
	3425-2329-16B	Yellow / Insulation / Fibrous / Homogeneous	None Detected	Fibrous Glass 95%	Binder
6B	3425-2329-17A	White / Wrap / NonFibrous / Homogeneous	None Detected	None Detected	Binder
	3425-2329-17B	Yellow / Insulation / Fibrous / Homogeneous	None Detected	Fibrous Glass 95%	Binder
6C	3425-2329-18A	White / Wrap / NonFibrous / Homogeneous	None Detected	None Detected	Binder
	3425-2329-18B	Yellow / Insulation / Fibrous / Homogeneous	None Detected	Fibrous Glass 95%	Binder
7A	3425-2329-19	Black / Foam / NonFibrous / Homogeneous	None Detected	None Detected	Binder
7B	3425-2329-20	Black / Foam / NonFibrous / Homogeneous	None Detected	None Detected	Binder
7C	3425-2329-21	Black / Foam / NonFibrous / Homogeneous	None Detected	None Detected	Binder
8	3425-2329-22	Grey / Caulking / NonFibrous / Homogeneous	None Detected	None Detected	Binder

NVLAP Lab Code: 200633-0 PLM

TDSHS Asbestos License#: 30-0312 PLM/PCM

306 W. Edgewood Dr., Suite C, Friendswood, TX 77546 www.apasi.net Office (281) 648-9918 | Fax (281) 648-9595

Apex Precision Analytical Services, Inc.

APASI Lab

An Independent Laboratory Providing Reliable Analysis with Professionalism and Honesty

Chain of Custody

APASI#: for office use only 3425-2329

Date Collected: 07/07/2025	**Date Sent:** 07/07/2025
Contact: PAUL DEHLINGER	**Special Instructions:**
Company: AUSTIN ENVIRONMENTAL	
Address: P.O. BOX 143263	**P.O. #:**
AUSTIN TEXAS 78714	**E-Mail:** pdehlinger@austin env.com
Phone: 512) 587-8036	**Add'l Email:**

Turn Around Time: (Circle One) Critical Urgent/ASAP 24 Hours ~~48Hours~~ 72 Hours 5 Days

Client Job Number/Name: Future Washington Co. bldg D

AEA25-105 2509 Highway 105 Brenham Tx

Mycology(Mold) Spore Trap-Air Samples

___ **Fungal/Mold spore count** by Air-O-Cell, Cyclex (d), BioCell, or other spore trap cassette/device

Mycology(Mold) Bulk ID Samples

___ **Fungal/Mold Identification** – bulk sample, tape lift, swab

Industrial Hygiene and Miscellaneous Analysis

___ **(RCF) Refractory Ceramic Fiber (Bulk) Identification** (Visual Estimation) by Polarized Light Microscopy

___ **Total Nuisance Dust (Air)** by NIOSH Method 0500

___ **Total Respirable Dust (Air)** by NIOSH Method 0600

Polarized Light Microscopy(PLM)-Bulk Samples

/ **Asbestos Identification** (Visual Estimation) by EPA 600/R-93/116 Method

___ **Asbestos Identification** (Point Count) by EPA 600/M4-82-020 Method

___ **Asbestos Identification** - by Gravimetric Reduction

Phase Contrast Microscopy(PCM)-Air Samples

___ **Fiber Concentration** by NIOSH Method 7400 Issue 2

Please Include # of Samples 22

	Sample #:	Location/Description:	Volume
1	1A	DRYWALL TEXTURE By FRONT ENTRY	
2	1B	MIDDLE OFFICE	
3	1C	HALLWAY By RESTROOMS	
4	2A	Floor Tile/yellow mastic FRONT LOBBY	
5	2B	HALLWAY by Rest Rooms	
6	2C	MIDDLE OFFICE	
7	3A	Lovebasse/mastic BEHIND COUNTER	
8	3B	MIDDLE OFFICE	
9	3C	FRONT RESTROOM	
10	4A	CEILING TILE Behind counter	
11	4B	MIDDLE OFFICE	
12	4C	HALLWAY	

Relinquished by: [signature]

Date: 07/07/2025 **Time:** 5:01

Received by: J. Simmons

Date: 07/08/25 **Time:** 0940

Client Job Number/Name: WASHINGTON COUNTY BLDG. D 2509 HWY 105 AEALS-105 BRENHAM TX		APASI #: *For office use only* 3425-2329	
	Sample #:	**Location/Description:**	**Volume**
46	5A	CARPET / MASTIC MIDDLE OFFICE	
47	5B	↓ ↓ BACK OFFICE	
48	5C	↓ ↓ EAST OFFICE	
49	6A	WALL INSULATION WAREHOUSE BACK WALL	
50	6B	↓ ↓ ↓	
51	6C	↓ ↓ ↓	
52	7A	BLACK FOAM PIPE INSULATION	
53	7B	↓ ↓	
54	7C	↓ ↓	
55	8	EXTERIOR WINDOW CAULK	
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Relinquished by [signature] Received by D. Simmons

Date and Time 07/07/2025 5:00 Date and Time 07/08/25 0940

Texas Department of State Health Services

AUSTIN ENVIRONMENTAL INC

is certified to perform as an

Asbestos Consultant Agency

in the State of Texas and is hereby governed by the rights, privileges and responsibilities set forth in Texas Occupations Code, Chapter 1954 and Title 12, Texas Administrative Code, Chapter 295 relating to Texas Asbestos Health Protection, as long as this license is not suspended or revoked.

License Number: 100313

Expiration Date: 06/05/2027

Jennifer Shuford, MD, MPH,
Commissioner of Health

Control Number: 97763

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE

SEE BACK

TEXAS
Health and Human Services

Texas Department of State Health Services

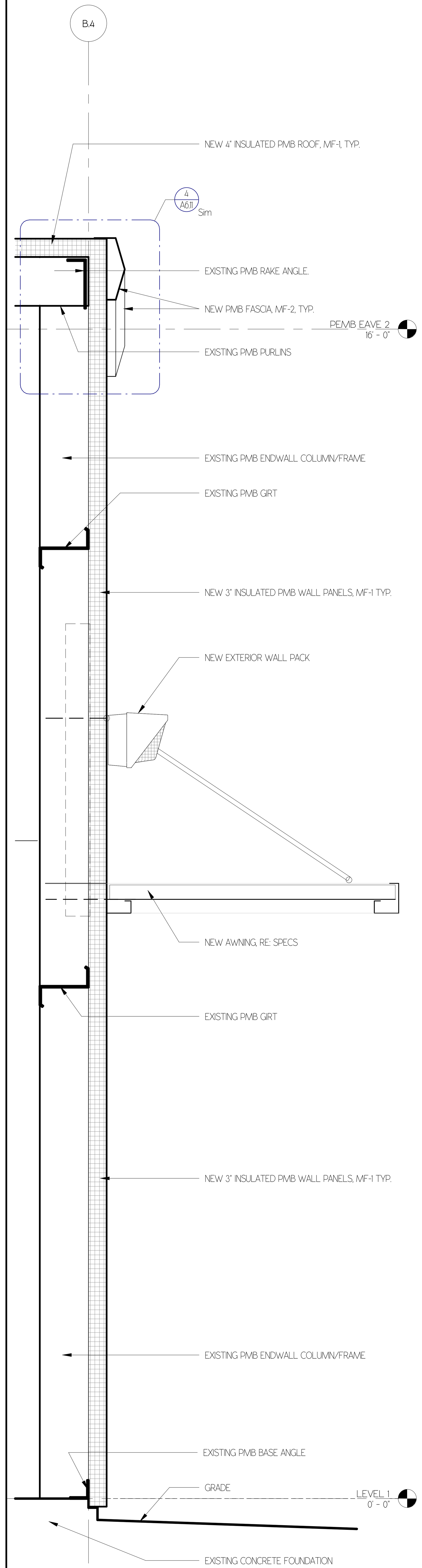
Asbestos Individual Consultant

PAUL B DEHLINGER

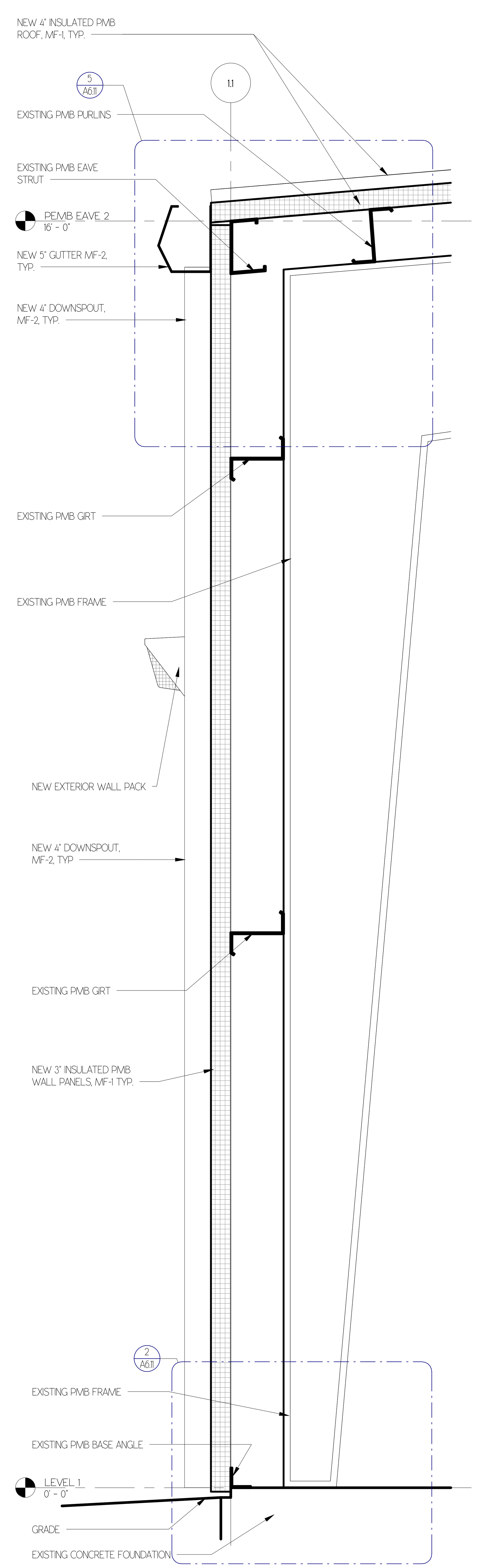
License Number: 105523

Control Number: 98505

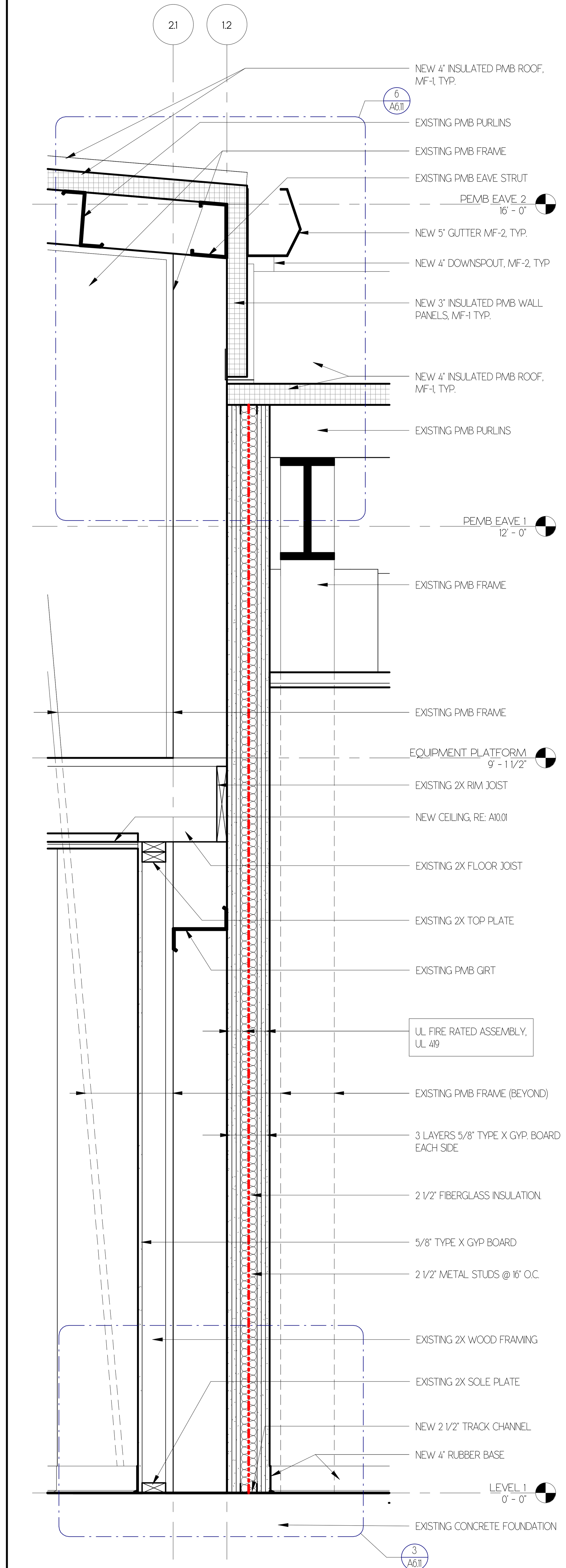
Expiration Date: 1-Feb-2027



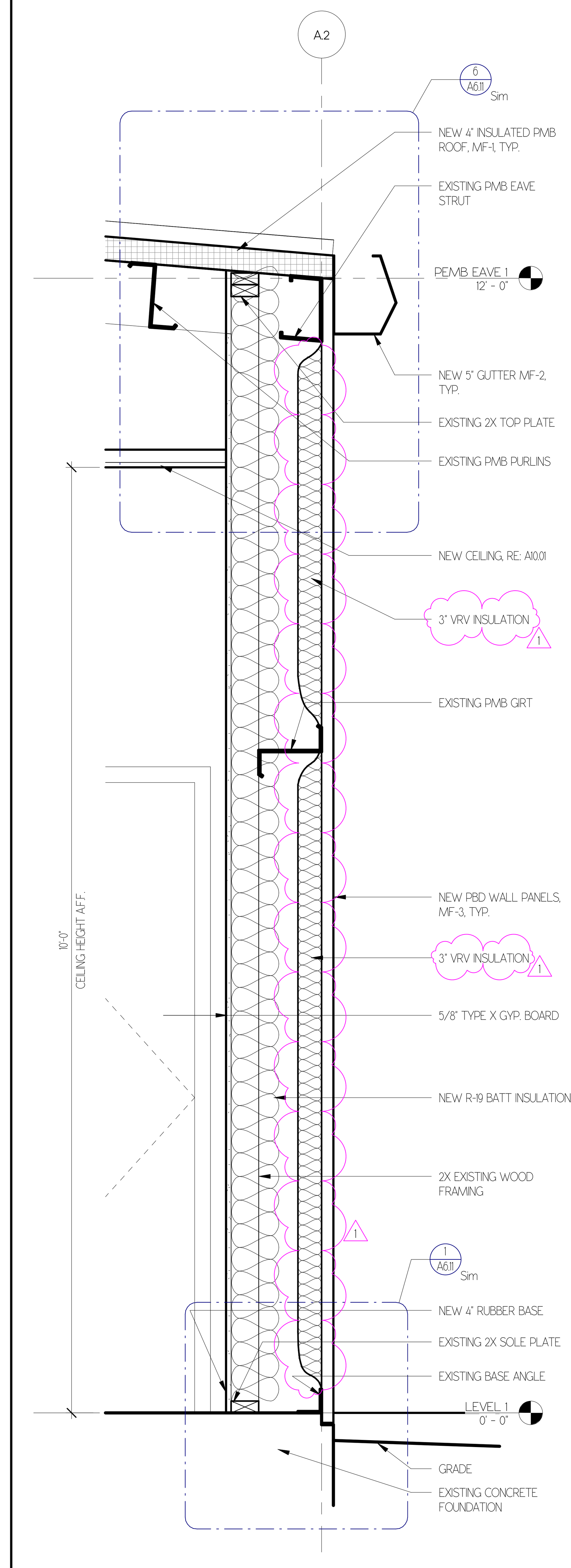
5 WALL SECTION @ B.4
1" = 1'-0"



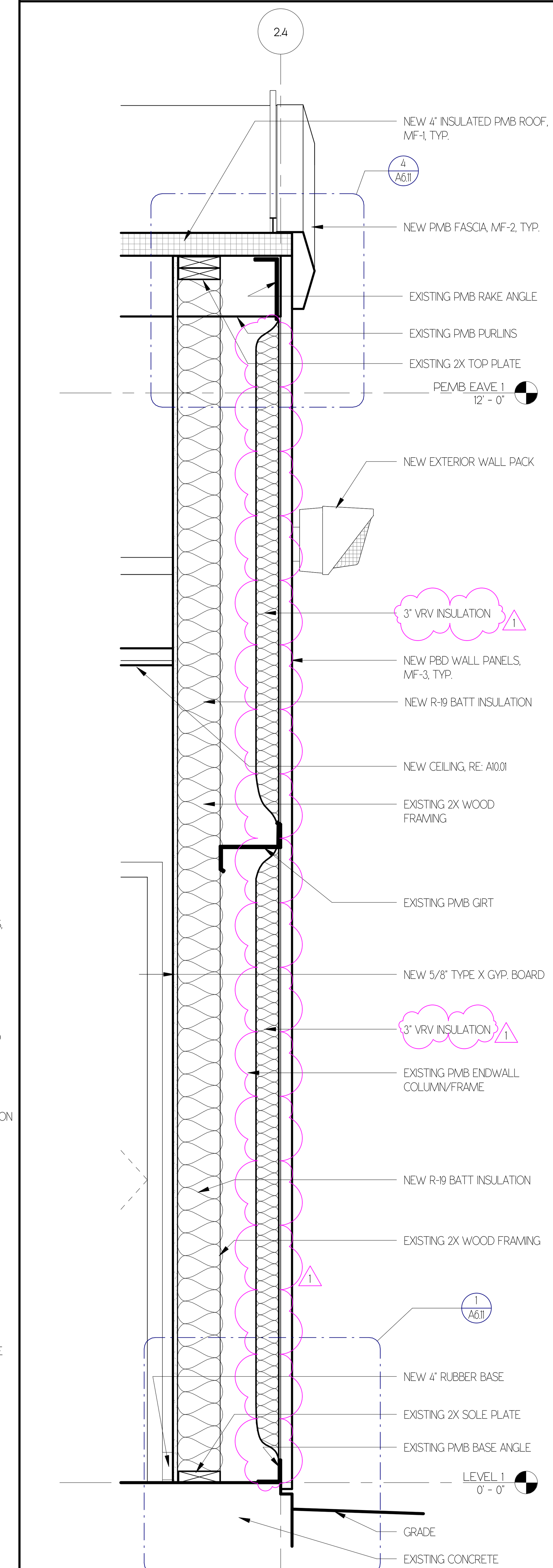
4 EXTERIOR WALL SECTION @ 1.1
1" = 1'-0"



3 WALL SECTION AT BUILDING JOINT
1" = 1'-0"



2 WALL SECTION @ A.2
1" = 1'-0"



1 EXTERIOR WALL SECTION @ 2.4
1" = 1'-0"

PLANNORTH
ARCHITECTURAL CO.

RENOVATIONS TO WASHINGTON COUNTY RECORDS STORAGE

2509 HIGHWAY 105
BRENHAM, TX 77833

06/06/2025

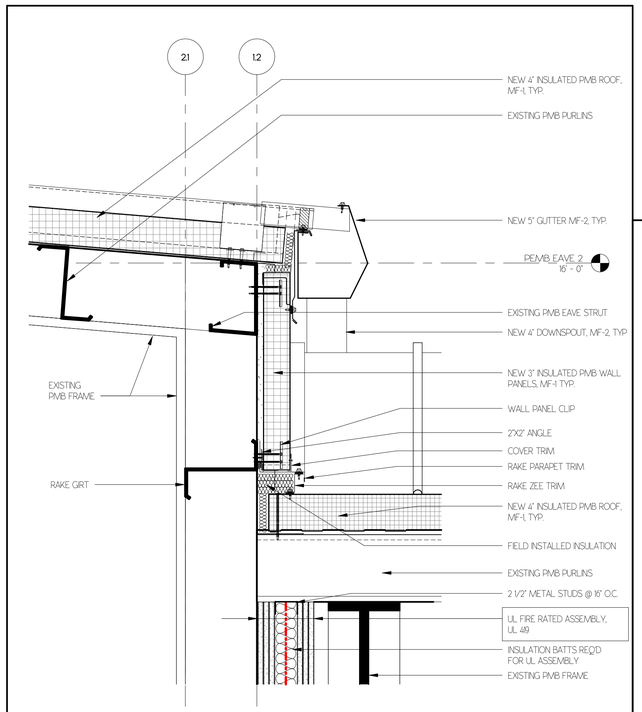
DRAWING PREPARED BY:
PLANNORTH
ARCHITECTURAL CO.
NOT FOR REGULATORY APPROVAL,
PERMITTING, OR CONSTRUCTION

RECORD OF DRAWINGS

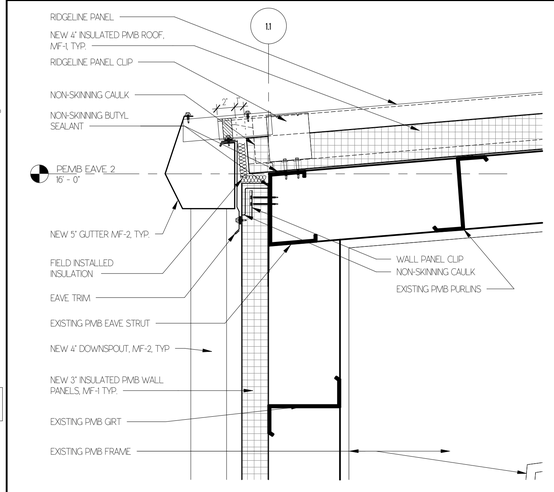
	BID SET	06/06/2025
1	ADDENDUM 1	07/11/2025

PROJECT NO.	2408PN
ISSUE	BID SET
DRAWN BY	WBP,RP
CHECKED BY	KB
SHEET NO.	A6.10

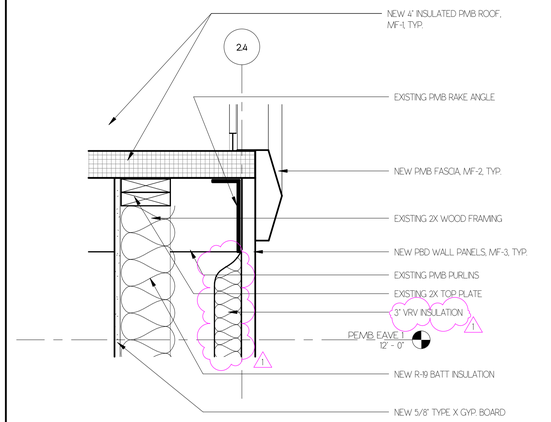
WALL SECTIONS



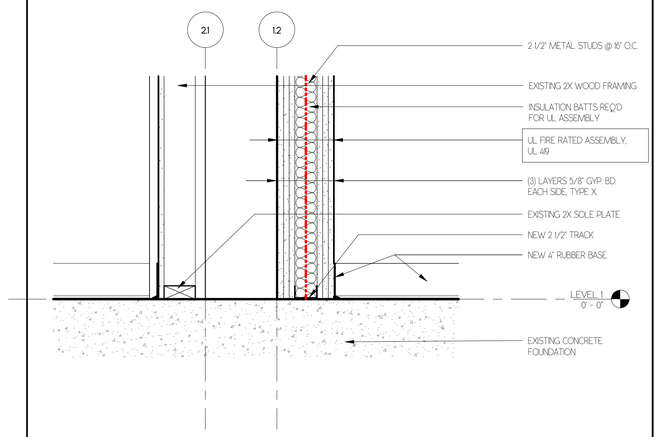
6 SECTION DETAIL AT BUILDING JOINT @ ROOF
1 1/2" = 1'-0"



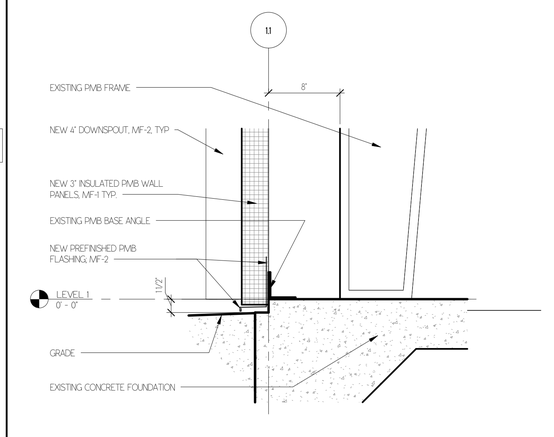
5 DETAIL SECTION @ ROOF 1.1
1 1/2" = 1'-0"



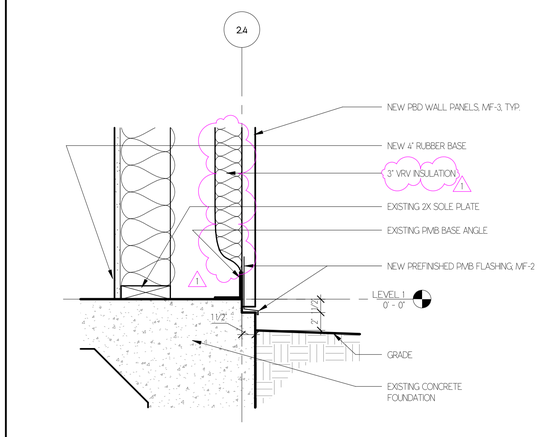
4 DETAIL SECTION @ ROOF 2.4
1 1/2" = 1'-0"



3 SECTION AT BUILDING JOINT @ FLOOR
1 1/2" = 1'-0"



2 SECTION DETAIL @ FLOOR 1.1
1 1/2" = 1'-0"



1 SECTION DETAIL @ FLOOR 2.4
1 1/2" = 1'-0"

PLANNORTH
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RENOVATIONS TO WASHINGTON COUNTY RECORDS STORAGE

2599 HIGHWAY 105
BRENHAM, TX 77833

REGISTERED ARCHITECT
SHAWN E. BIRD
21780
STATE OF TEXAS

06/06/2025

DRAWING PREPARED BY:
PLANNORTH
ARCHITECTURAL CO.
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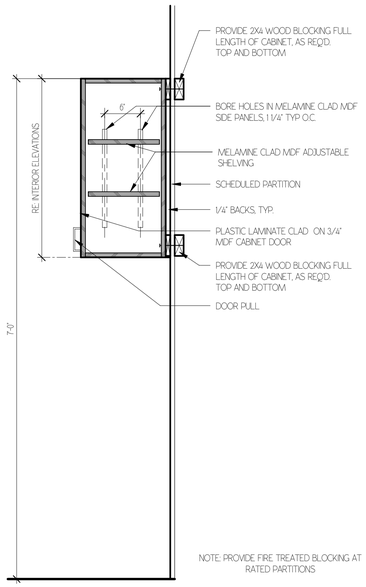
RECORD OF DRAWINGS

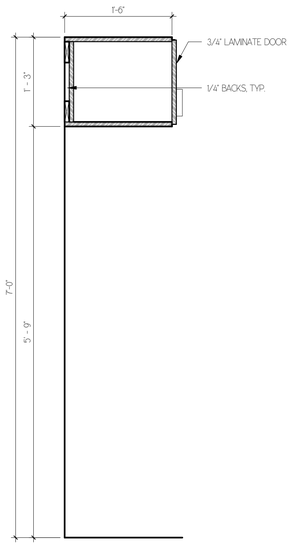
	BID SET	06/06/2025
1	ADDENDUM 1	07/17/2025

PROJECT NO.	2408PN
ISSUE	BID SET
DRAWN BY	WBP,RP
CHECKED BY	KB
SHEET NO.	A6.11

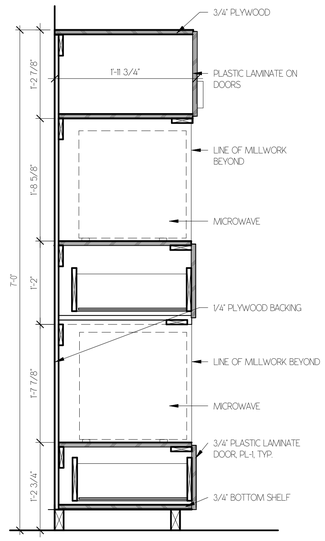
SECTION DETAILS



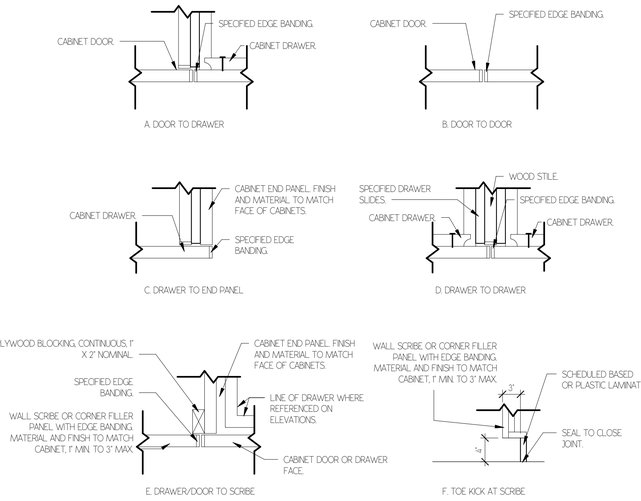
11 U02
1" = 1'-0"



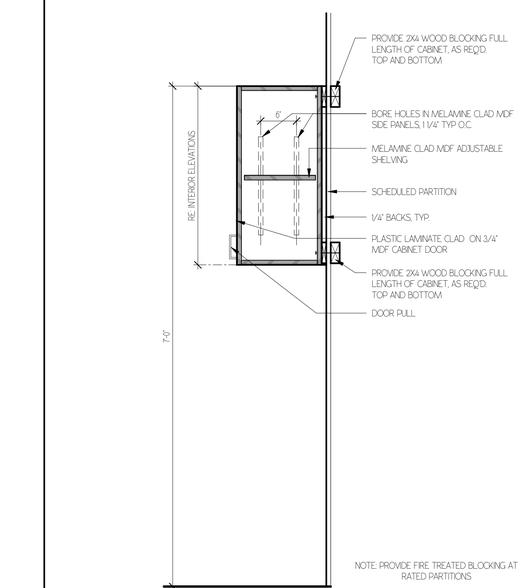
10 U03
1" = 1'-0"



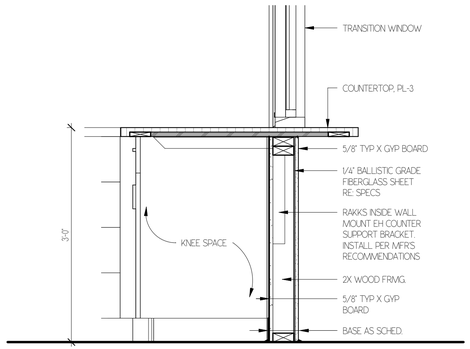
9 T01 - MICROWAVE CAB.
1" = 1'-0"



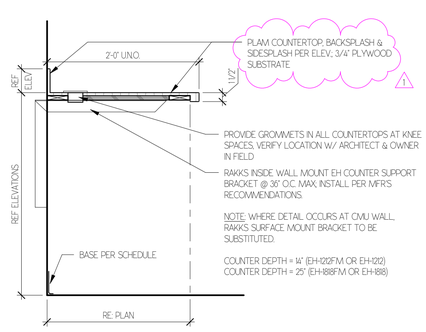
8 MILLWORK JOINTS
1" = 1'-0"



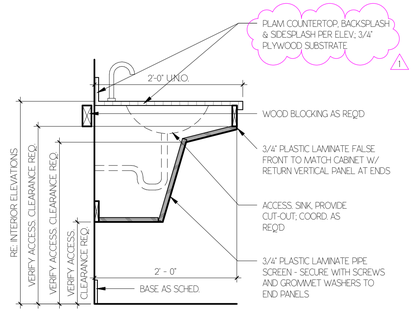
4 U01
1" = 1'-0"



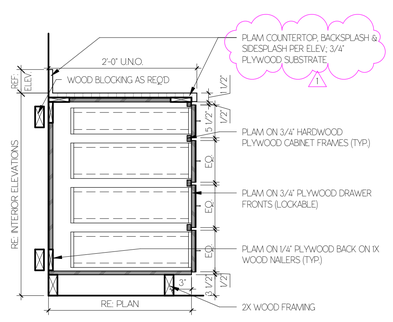
7 RECEPTION DESK SECTION
1" = 1'-0"



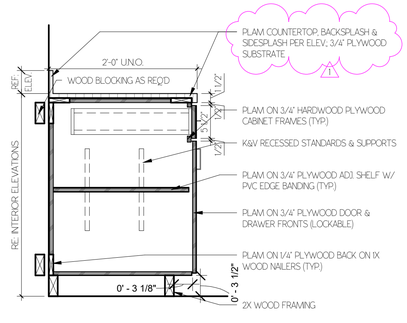
6 B05 - KNEE SPACE
1" = 1'-0"



5 B04 - ACCESS. SKIRT @ LAV
1" = 1'-0"

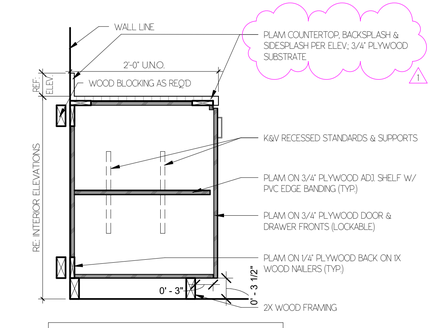


3 B03 - BASE CAB. W/ 4 DRAWERS
1" = 1'-0"



NOTE: KEYED LOCK TO BE PROVIDED AT MILLWORK DOORS & DRAWERS

2 B02 - TYP. BASE CAB. W/DRAWER
1" = 1'-0"



NOTE: KEYED LOCK TO BE PROVIDED AT MILLWORK DOORS

1 B01 - TYP. BASE CAB.
1" = 1'-0"

PLANNORTH
ARCHITECTURAL CO.

RENOVATIONS TO WASHINGTON COUNTY RECORDS STORAGE

2599 HIGHWAY 105
BRENHAM, TX 77833

REGISTERED ARCHITECT
KATHRYN E. BURNETT
21780
STATE OF TEXAS

06/06/2025

DRAWING PREPARED BY:
PLANNORTH
ARCHITECTURAL CO.
NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

RECORD OF DRAWINGS

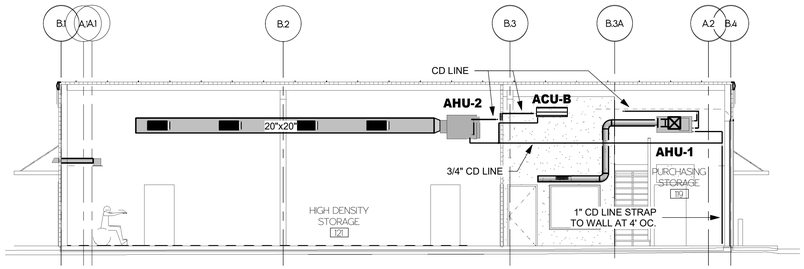
	BID SET	06/06/2025
1	ADDENDUM 1	07/17/2025

PROJECT NO.	2408PN
ISSUE	BID SET
DRAWN BY	WBP,RP
CHECKED BY	KB
SHEET NO.	A8.10

MILLWORK DETAILS

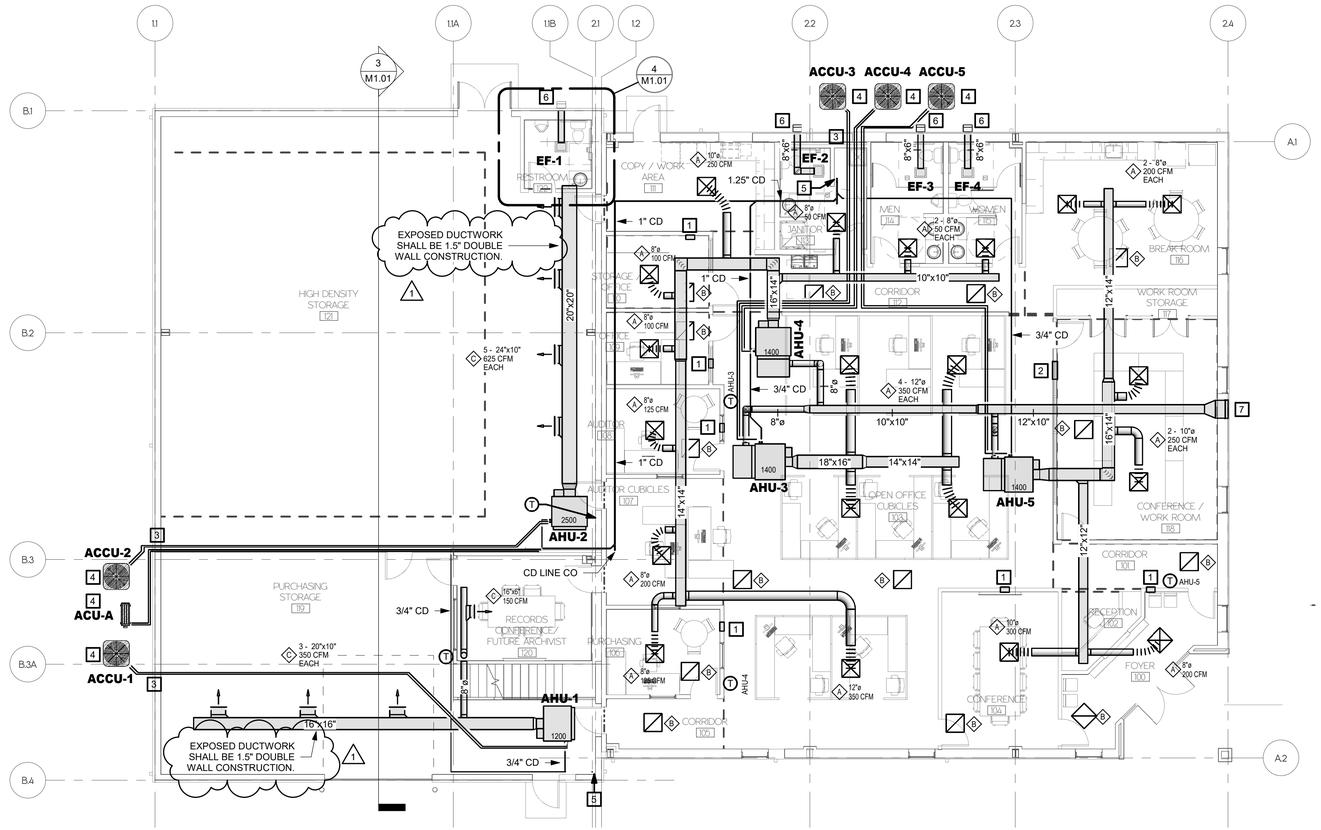
MECHANICAL KEY NOTES

1. 12"X12" RETURN AIR OPENING IN WALL ABOVE CEILING.
2. 24"X12" RETURN AIR OPENING IN WALL ABOVE CEILING..
3. REFRIGERANT PIPING ENTER INTO WALL CAVITY AT +12" AFF AND RISE UP INTO CEILING PLENUM.
4. INSTALL ACCU ON 6" CONCRETE PAD, TYPICAL.
5. 1.25" CONDENSATE DRAIN LINE DOWN TO FLOOR SINK.
6. WALL EXHAUST CAP WITH BACKDRAFT DAMPER.
7. 18"x12" WALL LOUVER WITH INSECT SCREEN.



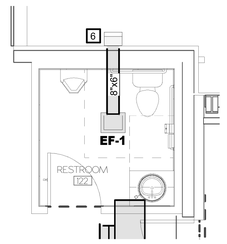
3 STORAGE SECTION

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



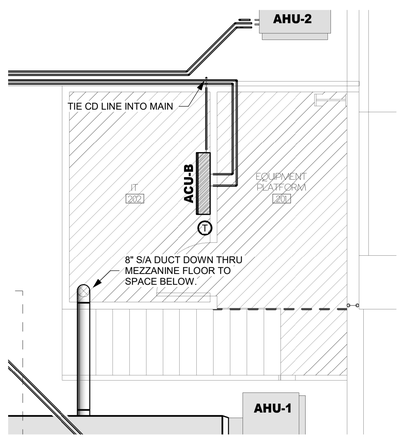
1 MECHANICAL NEW FLOOR PLAN

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



4 RESTROOM 122 - ALT 3

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



2 MECHANICAL MEZZANINE & IT PLANS

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

LTY ENGINEERS
TEXAS ENG. FIRM REG. NO. F-16543

840 GESSNER ROAD
SUITE 325
HOUSTON, TX 77024
(281) 945-8888

PLANNORTH
ARCHITECTURAL CO.

RENOVATIONS TO WASHINGTON COUNTY RECORDS STORAGE

2509 HIGHWAY 105
BRENHAM, TX 77833

STATE OF TEXAS
CHI K. TRUONG
90332
LICENSED PROFESSIONAL ENGINEER
06/06/2025

DRAWING PREPARED BY:
PLANNORTH
ARCHITECTURAL CO.
FOR CONSTRUCTION

RECORD OF DRAWINGS

	BID SET	06/06/2025
1	Addendum No. 1	07/16/2025

PROJECT NO.	2408PN
ISSUE	BID SET
DRAWN BY	Author
CHECKED BY	Checker
SHEET NO.	M1.01

MECHANICAL NEW FLOOR PLAN

GENERAL MECHANICAL NOTES

1. REFER TO WRITTEN SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. DUCTS SIZES SHOWN ARE NET FREE AIR PASSAGE DIMENSIONS. SUPPLY AIR DUCTS ARE NOT LINED, BUT ARE EXTERNALLY INSULATED, UNLESS INDICATED OTHERWISE ON THE DRAWINGS. RUN OUTS TO CEILING OUTLETS SHALL BE EXTERNALLY INSULATED GALVANIZED SHEET METAL WITH SPIN-IN VOLUME DAMPER AT TRUNK TAPS, SEE DETAILS 1 & 3/M2.01.
3. PROVIDE CONDENSATE DRAIN TRAP FOR EACH COOLING UNIT, SEE DETAIL 7/M2.01.
4. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF CEILING OUTLETS IN RELATION TO OTHER CEILING ENTITIES AND CEILING TYPES. OUTLETS MUST BE COMPATIBLE WITH THE CEILING TYPES FOR THE VARIOUS AREAS.
5. INSTALL FIRE DAMPERS AT DUCT AND RETURN AIR PENETRATIONS IN ALL FIRE WALLS TO MAINTAIN FIRE RATINGS. WALL TO MECHANICAL ROOMS AND AHU ROOMS AS WELL AS OTHER WALLS DESIGNATED BY THE ARCHITECT AS FIRE-RATED SHALL REQUIRE THIS PROTECTION, REF. DETAIL 12/M2.01 FOR FIRE DAMPER DETAILS.
6. COORDINATE INSTALLATION OF EQUIPMENT AND PIPING WITH THE ELECTRICAL CONTRACTOR TO INSURE NEC CLEARANCE IS PROVIDED IN FRONT OF ALL ELECTRICAL EQUIPMENT. DO NOT INSTALL DUCTWORK OR WATER PIPING OVER THE TOP OF ELECTRICAL PANEL, SEE DETAIL 14/M2.01.
7. ARRANGE PIPING CONNECTIONS TO ALL EQUIPMENT TO ALLOW EASY REMOVAL OF EQUIPMENT, SUB-ASSEMBLIES, COILS, FANS, MOTORS, FILTERS, ACCESS PANELS, ETC..
8. DO NOT OPERATE ANY EQUIPMENT FOR ANY REASON UNTIL IT HAS BEEN PREPPED FOR SERVICE. THIS INCLUDES HAVING BEARINGS LUBRICATED, FILTERS INSTALLED, BELTS ADJUSTED AND DUCTWORK CLEANED. CONTACT A/E INSPECTOR FOR VERIFICATION OF COMPLETED WORK.
9. CONTRACTOR TO COORDINATE ALL WORKS WITH OTHER TRADES PRIOR AND DURING INSTALLATION TO AVOID CONFLICT.
10. PROVIDE CONCRETE HOUSEKEEPING PAD FOR ALL HVAC COMPONENTS MOUNTED ON GRADE. PAD SHALL BE 6" HIGH IF NOT INDICATED OTHERWISE IN THE SPECIFICATIONS.

EXHAUST FAN SCHEDULE

MARK	EF-1	EF-2	EF-3 & 4
SERVES	TOILET	JANITOR	RESTROOM
TYPE	CEILING CABINET	CEILING CABINET	CEILING CABINET
DRIVE	DIRECT-ECM	DIRECT-ECM	DIRECT-ECM
CFM	100	100	100
STATIC PRESSURE	0.375"	0.375"	0.375"
SIZE	144	144	144
DESIGN POWER	18 W	18 W	18 W
VOLTAGE	120 V	120 V	120 V
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK
MODEL #	SP-A125	SP-A125	SP-A125
SONES	0.6	0.6	0.6
NOTES	1,2,3	1,2,3	1,2,3

NOTES:
1. STATIC PRESSURE SHOWN IS EXTERNAL TO UNIT. MANUFACTURER SHALL ADD DAMPER AND ACCESSORY LOSSES TO THIS VALUE BEFORE SELECTING FAN.
2. DISCONNECT SWITCH, BACKDRAFT DAMPER, CEILING GRILLE AND WALL CAP.
3. PROVIDE OCCUPANCY SENSOR FOR ON/OFF CONTROL.

AIR HANDLING UNIT SCHEDULE

	MARK	AHU-1	AHU-2	AHU-3	AHU-4	AHU-5
CABINET	SERVES	PURCHASING STORAGE	RECORD STORAGE	OPEN OFFICES	INTERIOR OFFICES	SUPPORT SPACES
	TOTAL CFM	1200 CFM	2000 CFM	1400 CFM	1400 CFM	1400 CFM
	O/A CFM	0 CFM	0 CFM	150 CFM	150 CFM	150 CFM
	EXT. STATIC, WG	0.5"	0.5"	0.75"	0.75"	0.75"
	VOLTAGE	240V / 1PH	240V / 1PH	240V / 1PH	240V / 1PH	240V / 1PH
COOLING	COIL CFM	1200 CFM	2500 CFM	1400 CFM	1400 CFM	1400 CFM
	MIN. COIL ROW	6	6	6	6	6
	EAT db/wb, °F	73°F / 61°F	72°F / 60.2°F	74.7°F / 62.7°F	74.7°F / 62.7°F	74.7°F / 62.7°F
	LAT db/wb, °F	55°F / 54.2°F	55°F / 53.5°F	54.5°F / 54°F	54.5°F / 54°F	54.5°F / 54°F
	GSH MBH	23 MBH	46 MBH	31 MBH	31 MBH	31 MBH
	GTH MBH	24 MBH	48 MBH	36 MBH	36 MBH	36 MBH
	DRAIN LINE SIZE	3/4"	3/4"	3/4"	3/4"	3/4"
HEATING	ELECTRIC HEAT	9 KW	14 KW	12 KW	12 KW	12 KW
	STAGE	2	2	2	2	2
	HEATING EAT/LAT, °F	66.5°F / 90°F	68°F / 90°F	63.1°F / 90°F	63.1°F / 90°F	63.1°F / 90°F
	VOLTAGE	240V / 3PH	240V / 3PH	240V / 3PH	240V / 3PH	240V / 3PH
MISC	FLA / MCA / MOCP,...	24.5 / 30.56 / 35	39.3 / 49.1 / 50	33.1 / 41.34 / 45	33.1 / 41.34 / 45	33.1 / 41.34 / 45
	CARRIER MODEL NO.	36L03-9.00-3@240	36L06-14.00-3@240	36L03-12.00-3@240	36L03-12.00-3@241	36L03-12.00-3@242
	WEIGHT	328 LB	470 LB	335 LB	336 LB	337 LB

NOTES:
1. EXT. SP DOES NOT INCLUDE FILTERS, COILS, CASING, AND CONVERSION LOSSES.
2. UNITS SHALL BE DOUBLE WALL, HAVE DIRECT-DRIVE, ELECTRIC HEATER WITH INTEGRAL DISCONNECT, AND 2" PLEATED FILTERS
3. UNITS SHALL HAVE A SINGLE POINT 240V / 3PH POWERING HEATER. BUILT IN TRANSFORMER TO STEP DOWN TO 240V/1PH FOR ECM MOTOR FAN.
4. UNITS SHALL HAVE CONDENSATE OVERFLOW AUTO SHUTOFF SWITCH IN DRAIN PAN
5. UNITS SHALL HAVE 24/7 SMART PROGRAMMABLE THERMOSTAT

MECHANICAL SYMBOL SCHEDULE

T	THERMOSTAT
H	HUMIDISTAT
$	SWITCH
	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	EXHAUST GRILLE
VD VD	VOLUME DAMPERS
	DUCT ELEVATION CHANGE
	90° DUCT ELBOW WITH TURNING VANES

ACU	AIR CONDITIONING UNIT
ACCU	AIR-COOLED CONDITIONING UNIT
AHU	AIR HANDLING UNIT
CD	CONDENSATE LINE
E/A	EXHAUST AIR
EF	EXHAUST FAN
O/A	OUTSIDE AIR
OBD	OPPOSED-BLADES DAMPER
R/A	RETURN AIR
S/A	SUPPLY AIR
SF	SUPPLY FAN
SPD	SPILTER DAMPER
VD	VOLUME DAMPER
ø	DESIGNATION FOR "ROUND"

IT A/C UNITS (ACU)

ACU-B (INDOOR UNIT): CARRIER 40MVC012-3, 12.0 MBH COOLING CAPACITY, 18.8 SEER, WALL CONTROLLER

ACU-A (OUTDOOR UNIT): CARRIER 38MVC012-3, 12.0 MBH COOLING CAPACITY, E-COATED COIL.

POWER SUPPLY: 240V / 1PH / 60HZ, 11A MCA / 20A MOCP. (1)

ACCESSORIES: LOW AMBIENT KIT & CRANKCASE HEATER, WALL-MOUNT BRACKET.

PROVIDE CONDENSATE SPARE PUMP.

REFRIGERANT PIPING SIZE SHALL BE AS REQUIRED BY THE MANUFACTURER.

UNITS SHALL BE COOLING ONLY

ACCU SCHEDULE

MARK	ACCU-1	ACCU-2	ACCU-3	ACCU-4	ACCU-5
SERVES	FCU-1	FCU-2	FCU-3	FCU-4	FCU-5
CAPACITY, NOMINAL TONS	2.0	4.0	3.0	3.0	3.0
NO. OF COMP. & TYPE	1 SCROLL	1 SCROLL	1 SCROLL	1 SCROLL	1 SCROLL
NO. OF STAGES	2 STAGE	2 STAGE	2 STAGE	2 STAGE	2 STAGE
NO. OF REFRIG. CIRCUIT	1	1	1	1	1
REFRIG. LIQUID LINES SIZE	3/8"	3/8"	3/8"	3/8"	3/8"
REFRIG. SUCTION LINES SIZE	5/8"	7/8"	3/4"	3/4"	3/4"
EER / SEER @ ARI	14.5 / 18.5	14.5 / 18.5	14.5 / 18.5	14.5 / 18.5	14.5 / 18.5
VOLTAGE	240V / 1 PH	240V / 1 PH	240V / 1 PH	240V / 1 PH	240V / 1 PH
MCA / MOP, AMPS	15.5 / 20	25.5 / 40	20.9 / 35	20.9 / 35	20.9 / 35
CARRIER MODEL NO.	26PTA8-24	26PTA8-48	26PTA8-36	26PTA8-36	26PTA8-36

NOTES:
1. PROVIDE 5-YEAR MOTOR/COMPRESSOR WARRANTY
2. PROVIDE TIME GUARD CIRCUIT, LOW AMBIENT OPERATION TO 25°F
3. R454b REFRIGERANT (1)

AIR DEVICE SCHEDULE

MARK	DESCRIPTION
A	CEILING SUPPLY DIFFUSER - 24" X 24" FACE, PATTERN TYPE, STEEL CONSTRUCTION, WHITE FINISH TITUS TMS
B	CEILING RETURN GRILLE - 24" X 24" PERFORATED FACE, STEEL CONSTRUCTION, WHITE FINISH TITUS PAR
C	SIDEWALL REGISTER - DOUBLE DEFLECTION, ALUMINUM CONSTRUCTION, AIRFOIL BLADES, 3/4" O.C. SPACING, WHITE FINISH TITUS 272RS

NOTE: REFER TO ARCHITECTURAL REFLECTED CEILING PLAN TO VERIFY CEILING TYPE FOR EACH AIR DEVICE.

PLANNORTH
ARCHITECTURAL CO.

RENOVATIONS TO WASHINGTON COUNTY RECORDS STORAGE

2509 HIGHWAY 105
BRENHAM, TX 77833

STATE OF TEXAS
CHI K. TRUONG
90332
LICENSED PROFESSIONAL ENGINEER
06/06/2025

DRAWING PREPARED BY:
PLANNORTH
ARCHITECTURAL CO.
FOR CONSTRUCTION

RECORD OF DRAWINGS

	BID SET	06/06/2025
1	Addendum No.1	07/16/2025

PROJECT NO.	2408PN
ISSUE	BID SET
DRAWN BY	Author
CHECKED BY	Checker
SHEET NO.	M2.00

MECHANICAL SCHEDULES

LTY ENGINEERS
TEXAS ENG. FIRM REG. NO. F-16543

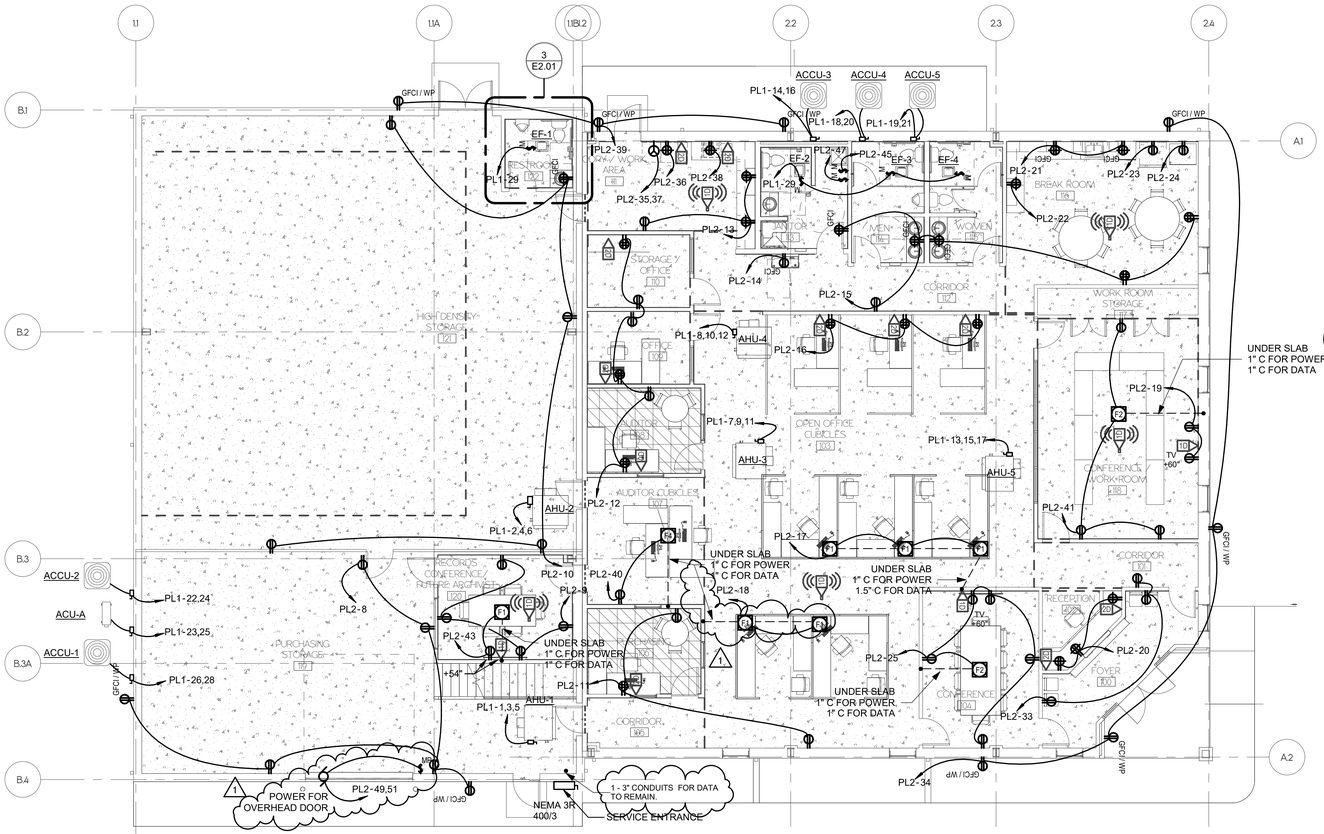
840 GESSNER ROAD
SUITE 325
HOUSTON, TX 77024
(281) 945-8888

FLOOR BOX/POKE THRU SCHEDULE

F1	1-GANG CAST IRON FLOOR BOX: WALKER #880CS1-1 WITH (1) #817B FLUSH BRASS FLANGE, (1) #828R BRASS COVER PLATE AND THE FOLLOWING DEVICE(S): (1) 120V, 1Ø, 20A DUPLEX RECEPTACLE.
F2	2-GANG CAST IRON FLOOR BOX: WALKER #880CS2-1 WITH (1) #827B FLUSH BRASS FLANGE, (1) #828R BRASS COVER PLATE [FOR POWER], (1) #828GFITC BRASS COVER PLATE [FOR TELEDATA], AND THE FOLLOWING DEVICE(S): (1) 120V, 1Ø, 20A DUPLEX RECEPTACLE.
F3	3-GANG CAST IRON FLOOR BOX: WALKER #880CS3-1 WITH (1) #837B FLUSH BRASS FLANGE, (2) #828R BRASS COVER PLATE [FOR POWER], (1) #828GFITC BRASS COVER PLATE [FOR TELEDATA], AND THE FOLLOWING DEVICE(S): (2) 120V, 1Ø, 20A DUPLEX RECEPTACLES.
WM	WIREMOLD BRASS POKE THRU FURNITURE FEED #4FATCBS WITH (1) 3/4" OPENING FOR POWER AND (1) 1-1/4" OPENING FOR TELEDATA

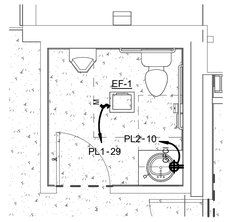
GENERAL POWER NOTES:

1. ALL INDOOR DISCONNECTS SHALL BE NEMA 1 ENCLOSURE. ALL OUTDOOR DISCONNECT SHALL BE NEMA 3R ENCLOSURE. REFER TO PANEL SCHEDULES FOR DISCONNECT SIZE.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR ALL EXHAUST FAN CONTROLS. PROVIDE A FAN SWITCH IF INDICATED BY MECHANICAL. ALL EXHAUST FANS SHALL BE PROVIDED WITH BUILT-IN DISCONNECT SWITCH.
3. FOR ALL NEMA RECEPTACLES, CONTRACTOR TO FIELD VERIFY CORRECT NEMA CONFIGURATION WITH MANUFACTURE PRIOR TO INSTALL.
4. CONTRACTOR SHALL VERIFY DEVICE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
5. FINAL LOCATION OF RECEPTACLES TO BE COORDINATED WITH THE FF&E LAYOUT.
6. CONTRACTOR SHALL INDICATE CIRCUIT SERVING EACH RECEPTACLE BY PROVIDING TYPE WRITTEN LABELING LOCATED ON INSIDE FACE OF EACH RECEPTACLE COVER PLATE.
7. ALL RECEPTACLES LOCATED IN RESTROOMS, JANITOR CLOSETS,MECHANICAL ROOMS, SERVING ELECTRIC DRINKING FOUNTAINS OR VENDING MACHINES, LOCATED WITHIN 6' OF A SINK, LOCATED ABOVE A WET COUNTERTOP SHALL BE GFCI. EACH GFCI PROTECTED RECEPTACLE SHARING THE SAME CIRCUIT SHALL HAVE ITS OWN RE-SET AND TEST BUTTON.
8. DATA DROPS SHOWN FOR COORDINATION PURPOSES ONLY, DIV 26 TO PROVIDE CONDUIT PATHWAYS FROM IT CLOSET TO DEVICE. PROVIDE ALL NECESSARY CONDUIT PENETRATIONS AND J-HOOKS. DATA RAN IN EXPOSED CEILINGS SHALL BE PLACED IN CONDUIT. DATA RUN DOWN WALLS TO BE RAN IN CONDUIT.
9. ELECTRICAL CONTRACTOR TO BE RESPONSIBLE FOR ALL CONDUIT PATHWAYS FOR TECHNOLOGY DEVICES SHOWN ON ELECTRICAL SHEETS INCLUDING BUT NOT LIMITED TO SHEET E5.01.



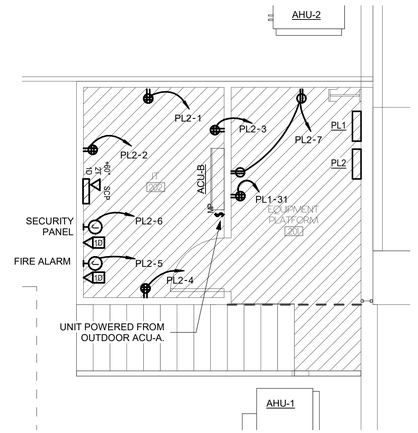
1 ELECTRICAL POWER NEW FLOOR PLAN

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



3 ELECTRICAL PLAN - RESTROOM 122 - ALT 3

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



2 ELECTRICAL POWER MEZZANINE & IT PLANS

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

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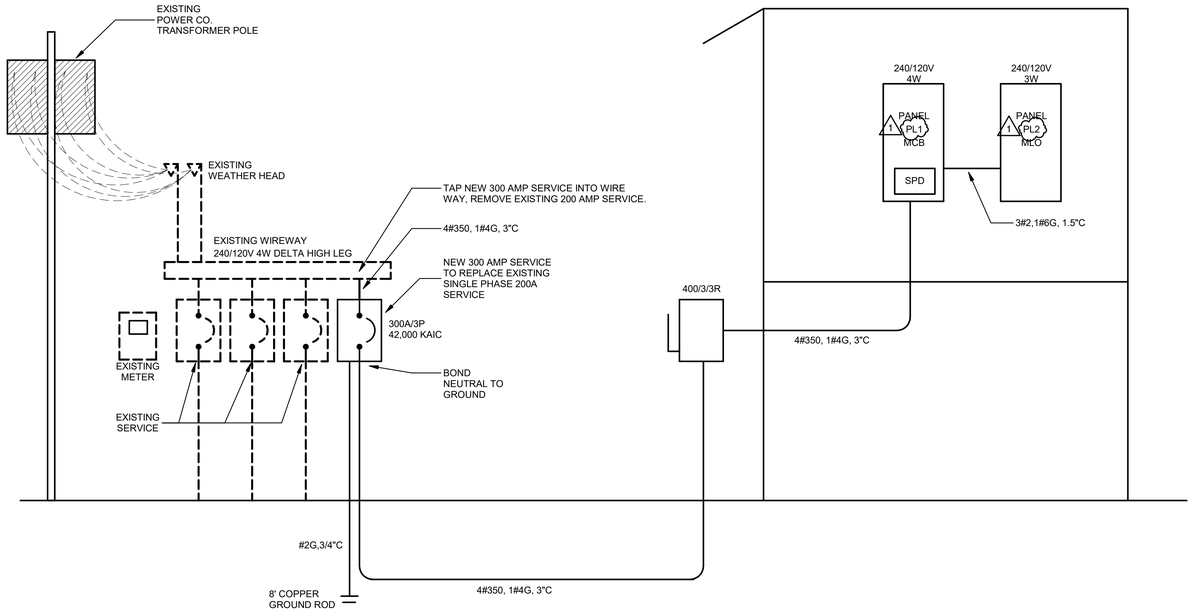
ELECTRICAL POWER NEW FLOOR PLAN



1 ELECTRICAL ONE LINE DIAGRAM

NO SCALE

ALL FEEDERS AND BRANCH CIRCUITS
SHALL HAVE GREEN GROUND WIRE
SIZED PER NATIONAL ELECTRICAL CODE

SEE SHORT CIRCUIT ANALYSIS FOR
EQUIPMENT AIC RATING.

GENERAL ELECTRICAL NOTES

1. REFER TO THE WRITTEN SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. INSTALL SYSTEMS IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
3. PROVIDE LIGHT FIXTURE FIRE PROTECTION AND CONDUIT FIRE SEALING TO MAINTAIN FIRE RATING OF WALLS AND CEILINGS PER ARCHITECT'S SCHEDULE. REF. SPECIFICATIONS AND ARCH. DRAWINGS FOR ADDITIONAL INFORMATION.
4. ELECTRICAL RECEPTACLES, DATA OUTLETS, ETC... ARE SHOWN FOR GENERAL LOCATION. HEIGHTS ARE NOTED SO THE ESTIMATOR WILL KNOW WHETHER THEY ARE ABOVE OR BELOW COUNTERS. PRIOR TO INSTALLATION, REVIEW THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. IN THE EVENT OF CONFLICT, THE ARCHITECT'S LOCATION WILL GENERALLY PREVAIL BUT SHOULD BE CLARIFIED BY RFI. PROVIDE DEVICES SHOWN ON THE ELECTRICAL DRAWING EVEN IF NOT SHOWN ON ARCHITECTURAL DRAWINGS.
5. COORDINATE POWER AND DATA WITH THE FURNITURE SUPPLIER PRIOR TO ROUGH-IN. AT CASEWORK WITH KNEE SPACE, MOUNT RECEPTACLES AND DATA OUTLETS IN KNEE SPACE. COORDINATE WITH ARCHITECT AND FURNITURE SUPPLIER TO ENSURE THAT PROTECTIVE GROMMETS ARE PROVIDED IN THE COUNTER.
6. DO NOT INSTALL ELECTRICAL PANELS AND TRANSFORMERS UNTIL 1/4" SCALE DRAWINGS SHOWING LOCATION OF THIS EQUIPMENT RELATIVE TO MECHANICAL/PLUMBING EQUIPMENT, DUCTWORK AND PIPING IS SUBMITTED AND APPROVED. NEC CODE CLEARANCE MUST BE MAINTAINED.
7. ELECTRICAL EQUIPMENT HAS BEEN COORDINATED WITH PIPING AND DUCTWORK. DO NOT RELOCATE PANELS WITHOUT PRIOR APPROVAL.
8. ELECTRICAL DEVICES IN FIRE RATED WALLS SHALL BE A MINIMUM OF 24" AWAY FROM DEVICES ON THE OPPOSITE SIDE OF THE WALL TO MAINTAIN FIRE RATING.
9. MINIMUM SIZE CONDUIT FOR POWER SHALL BE 3/4", MIN. SIZE FLEX CONDUIT MAY BE 1/2". MINIMUM SIZE CONDUIT FOR DATA SHALL BE 1"C. DO NOT COMBINE CONDUIT FOR DATA.
10. MAX. LENGTH FOR FLEX CONDUIT SHALL BE 6 FT. ALL FLEX CONDUIT SHALL BE LISED FOR GROUNDING.
11. LIGHT FIXTURE WHIPS MAY BE MIN. 3/8" FLEX CONDUIT WITH MIN. #12 WIRE. MC CABLE IS ACCEPTABLE FOR LIGHT FIXTURE WHIPS, MAXIMUM 6 FT LONG FROM J-BOX AND EMT CONDUIT SYSTEM. NO SNAP-IN CONNECTORS ARE ALLOWED.
12. PROVIDE GREEN GROUND WIRE WITH ALL CIRCUITS SIZED PER NEC. BOND GREEN GROUND WIRE TO EACH END OF CONDUIT.
13. GROUND TRANSFORMER SECONDARIES TO BUILDING STEEL AND GROUND ROD. PROVIDE CONDUIT TO PROTECT GROUNDING CONDUCTOR AND BOND EACH END OF CONDUIT TO GROUNDING SYSTEM. MIN. SIZE OF CONDUIT FOR GROUND WIRE SHALL BE 3/4"C.
14. PROVIDE J-BOXES, CONDUIT AND SLEEVES THRU ALL FIRE WALLS FOR DATA, TELEPHONE, SECURITY, FIRE ALARM AND SOUND SYSTEMS WIRINGS, ETC. SEE SPECIFICATIONS.
15. PROVIDE PULL BOXES, JUNCTION BOXES, WIRING TROUGHS AND CABINETS WHEREVER REQUIRED FOR PROPER INSTALLATION OF VARIOUS ELECTRICAL SYSTEMS.
16. WHERE PORTIONS OF INTERIOR RACEWAY SYSTEM ARE EXPOSED TO WIDELY DIFFERENT TEMPERATURES, PROVIDE AIR SEALING PER NEC TO PREVENT CIRCULATION OF AIR FROM WARMER TO A COOLER SECTION.
17. ALL WIRING SHALL BE 600 VOLT, SOFT DRAWN ANNEALED COPPER, 98% CONDUCTIVITY, CONTINUOUS FROM OUTLET TO OUTLET. MINIMUM WIRE SIZE #12. ALL WIRE SHALL BE STRANDED TYPE THHN OR THWN-2 (WET RATED FOR 90° C). ALL WIRES SHALL BE COLOR CODED WITH SAME COLOR CONNECTED TO SAME UNGROUNDED PHASE THROUGHOUT THE INSTALLATION.
18. ALL ELECTRICAL WIRING SHALL BE INSTALLED IN CONDUIT. NO SURFACE MOUNTED WIREMOLD SHALL BE ALLOWED.
19. ALL MATERIAL MUST BE NEW AND OF GOOD QUALITY AND SHALL BEAR THE STAMP OF APPROVAL OF THE UNDERWRITERS' LABORATORIES, INC. (U.L.).

Branch Panel: PL1

Location: EQUIPMENT PLATFORM 201
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/240 Delta High Leg
Phases: 3
Wires: 4

A.I.C. Rating: 24,000
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 300 A

Notes:
PANEL TO HAVE SIGNAGE "NO SINGLE POLE BREAKERS ON 'B' PHASE"

CKT	Circuit Description	Comments	Trip	P	A		B		C		P	Trip	Comments	Circuit Description	CKT
1	AHU-1	4#8,1#10G, 1"C	35 A	3	3723 VA	7085 VA					3	50 A	4#6,1#10G, 1"C	AHU-2	2
3	--	--	--	--			3723 VA	7085 VA			--	--	--	--	4
5	--	--	--	--					3723 VA	7085 VA	--	--	--	--	6
7	AHU-3	4#6,1#10G, 1"C	45 A	3	3723 VA	3723 VA					3	45 A	4#6,1#10G, 1"C	AHU-4	8
9	--	--	--	--			3723 VA	3723 VA			--	--	--	--	10
11	--	--	--	--					3723 VA	3723 VA	--	--	--	--	12
13	AHU-5	4#6,1#10G, 1"C	50 A	3	3723 VA	4160 VA					2	35 A	3#8,1#10G, 1"C	ACCU-3	14
15	--	--	--	--			3723 VA	4160 VA			--	--	--	--	16
17	--	--	--	--					3723 VA	4160 VA	2	35 A	3#8,1#10G, 1"C	ACCU-4	18
19	ACCU-5	3#8,1#10G, 1"C	35 A	2	4160 VA	4160 VA					--	--	--	--	20
21	--	--	--	--			4160 VA	5824 VA			2	40 A	3#8,1#10G, 1"C	ACCU-2	22
23	ACU-A/B	3#10,1#10G, 1"C	20 A	2					2288 VA	5824 VA	--	--	--	--	24
25	--	--	--	--	2288 VA	3016 VA					2	20 A	3#10,1#10G, 1"C	ACCU-1	26
27	Space - "no single pole breaker"		--	1			--	3016 VA			--	--	--	--	28
29	Exhaust fans		20 A	1					2784 VA	9951 VA	2	150 A	Rectifier	Panel PL2	30
31	Receptacle		20 A	1	360 VA	15127 VA					--	--	--	--	32
33	Space - "no single pole breaker"		--	1			--	--			1	--		Space - "no single pole breaker"	34
35	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	36
37	Space		--	1	--	0 VA					3	30 A		SPD	38
39	Space - "no single pole breaker"		--	1			--	0 VA			--	--	--	--	40
41	Space		--	1					--	0 VA	--	--	--	--	42
			Total Load:		55239 VA		39137 VA		46939 VA						
			Total...		460 A		326 A		391 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting - Exterior	456 VA	125.00%	570 VA		
Motor	1200 VA	125.00%	1500 VA	**Total Conn. Load:**	141310 VA
Other	6420 VA	100.00%	6420 VA	**Total Est. Demand:**	141669 VA
Receptacle	20100 VA	99.75%	20050 VA	**Total Conn.:**	340 A
Power	113147 VA	100.00%	113147 VA	**Total Est. Demand:**	341 A

Notes:

Branch Panel: PL2

Location: EQUIPMENT PLATFORM 201
Supply From: PL1
Mounting: Surface
Enclosure: Type 1

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 24,000
Mains Type: MLO
Mains Rating: 150 A

Notes:

CKT	Circuit Description	Comments	Trip	P	A		C		P	Trip	Comments	Circuit Description	CKT
1	IT Rec		20 A	1	360 VA	360 VA			1	20 A		IT Rec	2
3	IT Rec		20 A	1			360 VA	360 VA	1	20 A		IT Rec	4
5	Fire Alarm Panel		20 A	1	0 VA	0 VA			1	20 A		Security Panel	6
7	Mechanical room Rec		20 A	1			180 VA	1080 VA	1	20 A		Purchasing Storage Rec	8
9	Record Conference Rec		20 A	1	720 VA	900 VA			1	20 A		Record Storage Rec	10
11	Offices Rec		20 A	1			720 VA	1620 VA	1	20 A		Offices Rec	12
13	Copy/Work Rec		20 A	1	540 VA	180 VA			1	20 A		EDF	14
15	RR / Breakroom Rec		20 A	1			1440 VA	1080 VA	1	20 A		Cube Rec	16
17	Cube Rec		20 A	1	540 VA	360 VA			1	20 A		Cube / Conference Rec	18
19	Conf / Workroom Rec		20 A	1			180 VA	540 VA	1	20 A		Reception Rec	20
21	Breakroom Rec		20 A	1	360 VA	180 VA			1	20 A		Breakroom Rec	22
23	Refrigerator		20 A	1			1500 VA	1500 VA	1	20 A		Vending	24
25	Receptacle Space 16		20 A	1	1080 VA	1063 VA			1	20 A		Lighting - High Density Storage	26
27	Lighting - purchasing/conference		20 A	1			432 VA	975 VA	1	20 A		Lighting - Cubicles	28
29	Lighting - Conference rooms/Reception		20 A	1	486 VA	552 VA			1	20 A		Lighting - Restrooms	30
31	Lighting - Exterior		20 A	1			476 VA	74 VA	1	20 A		Lighting - Mezzanine	32
33	Receptacle Room 17		20 A	1	360 VA	720 VA			1	20 A		External GFCI Receptacle	34
35	Copy Machine 240V	3#10,1#12G	20 A	2			180 VA	180 VA	1	20 A		Copy Machine	36
37	--	--	--	--	0 VA	180 VA			1	20 A		Copy Machine	38
39	Receptacle		20 A	1			540 VA	360 VA	1	20 A		Receptacle Space 13	40
41	Receptacle Space 9		20 A	1	720 VA	0 VA			1	20 A		Spare	42
43	Floor Box and FPD		20 A	1			360 VA	0 VA	1	20 A		Spare	44
45	DNH		20 A	1	696 VA	0 VA			1	20 A		Spare	46
47	Circulation Pump		20 A	1			696 VA	--	1	--		Space	48
49	Overhead Door	3#10,1#12G	20 A	2	600 VA	--			1	--		Space	50
51	--	--	--	--			600 VA	--	1	--		Space	52
53	Spare		30 A	1	0 VA	--			1	--		Space	54
			Total Load:		9951 VA		15127 VA						
			Total Amps:		83 A		126 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting - Exterior	456 VA	125.00%	570 VA		
Motor	1200 VA	125.00%	1500 VA	**Total Conn. Load:**	25064 VA
Other	3636 VA	100.00%	3636 VA	**Total Est. Demand:**	25474 VA
Receptacle	19740 VA	100.00%	19740 VA	**Total Conn.:**	104 A
				Total Est. Demand:	106 A

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ELECTRICAL RISER DIAGRAM & PANEL SCHEDULES