

Addendum

To:	<u>All Prospective Bidders</u>
From:	<u>Troy Roehm, LS3P</u>
Date:	<u>September 10, 2026</u>
Description:	<u>Addendum #01</u>
Pages:	<u>3</u>
HGTC Project Name:	<u>HGTC – Conway Daytona Building Renovation</u>
HGTC Project #:	<u>H59-N347-CB</u>
LS3P Project #:	<u>4202-250685</u>

The items listed below shall apply to *HGTC – Conway Daytona Building Renovation*. Please modify the construction documents and project manual for the above referenced project dated as follows:

I. GENERAL INFORMATION

- A. “Limited Asbestos Inspection Report” for the property dated 09/09/26 is included for reference.
- B. This project is located in the City of Conway city limits. Bidders and subcontractors working on the project are required to have a City of Conway Business License to do business in the City of Conway. Business Licenses are to be obtained at the contractor’s expense.

II. QUESTIONS

A. RESPONSES TO BIDDER QUESTIONS

- 1. Are we to disregard the spec section 08323 in the actual contract manual provided? SECTION 083323 - OVERHEAD COILING DOORS - That spec section calls out a steel insulated coiling door with hood and operators.
 - a. RESPONSE: Bidders are to delete Spec. Section 083323 “Overhead Coiling Doors” from the Project Manual.
- 2. The specification on the plans 083613 calls out (Aluminum insulated panels manual openers) SECTION 083613 -SECTIONAL DOORS
 - a. RESPONSE: Refer to revised Sheet G-205, Spec Section 083613 – “Sectional Doors” has been revised from an aluminum insulated panel door to a steel insulated panel door.

3. We are being told by Overhead Door company also that there is no Aluminum Insulated Panel Garage style door.
 - a. RESPONSE: Refer to revised Sheet G-205, Spec Section 083613 – “Sectional Doors” has been revised from an aluminum insulated panel door to a steel insulated panel door.
4. The Finish Schedule on A-651 lists Daltile as the Porcelain Tile flooring and Porcelain Tile wall base, but it doesn't give me any other information. Please provide a specification on this material.
 - a. RESPONSE: Refer to revised Sheet A-651 “Arch- Material Finishes (Interior)” for PTF-1 and PTB-1 updated specifications.
5. Permit cost and the burden of the permit is at no cost to the contractor?
 - a. RESPONSE: General Contractor is not responsible for permit costs, building permit will be provided through South Carolina Office of State Engineer.
6. Room 112 are we required to do any type of patching, finishing, or floor covering?
 - a. RESPONSE: Refer to Sheet G-206, Specification Section 099123 – “Interior Painting”, Section 2.8 Floor Coatings for Concrete Floor Sealer. Specification Section 099123, 3.2, G, 1 & 2 have been added:
 - 1). “Floors: Patch and repair chips in floor larger than 1 inch in diameter and/or deeper than 1/4 inch.” There is no flooring covering in Room 112 other than the concrete sealer.”
 - 2). Cut and grind flush any abandoned iron stub-up locations, old drains, etc. in slab. Cap and infill existing piping with concrete flush with adjacent concrete.
7. Room 106 and Room 107 what size is the tile for the floor? And we need specs?
 - a. RESPONSE: Refer to revised Sheet A-651 “Arch- Material Finishes (Interior)” for PTF-1 and PTB-1 updated specifications.
8. Need to know if doors are to be solid insulated steel door or full view aluminum doors with impact rated polycarbonated glazing? One area of specs calls for solid aluminum panel doors, they do not exist to our knowledge?
 - a. RESPONSE: Refer to revised Sheet G-205, Spec Section 083613 – “Sectional Doors” has been revised from an aluminum insulated panel door to a steel insulated panel door. There is no glazing in doors.
9. On janitor closet will those walls need to go to the roof deck, because of the drop roof ceiling?
 - a. RESPONSE: Refer to revised Sheet A-101, C1/”RCP-Level 1” and “RCP Legend”, Janitor Closet #100 ceiling has been changed to from ACT to gypsum wallboard on 2x4 framing. Refer to revised sheet E101 for revised Janitor Closet #100 light fixture which has been changed to a surface mounted fixture.
10. Door Schedule on Sheet A-651 lists Door No. 101 (Level 1) with Panel Type "PNL.FG.FG." The only panel/frame types illustrated and defined on Sheet A-651 are PNL.F.HM, PNL.N.HM, and FRM.001.HM1 (all hollow metal). No leaf elevation, detail, or legend entry is provided for a type designated "PNL.FG.FG," and it does not appear on any other door in the schedule. Please clarify what door leaf construction/material "PNL.FG.FG" denotes (e.g., full-glass/aluminum storefront leaf vs. hollow metal with vision lite) and provide or reference the applicable detail for this door type.
 - a. RESPONSE: Refer to revised Sheet A-651, Door #101 has been revised from “PNL.FG.FG” to “PNL.N.HM”.

11. The Interior Material Finishes legend on Sheet A-651 includes tag CSL-1, "Concrete Floor Sealer," referencing Spec Section 099123 for extent/installation. However, the Room Finish Schedule on the same sheet does not list CSL-1 as the floor finish for any room (Rooms 101-112 are all shown with CPT-1, LVT-1, PTF-1, CNT-1, or PLYWD). Please identify which specific room(s) or floor area(s) are to receive the CSL-1 concrete floor sealer (e.g., Elevated Lab Structure substructure, mechanical/storage areas, or other exposed slab not captured on the Room Finish Schedule).
 - a. RESPONSE: Refer to revised Sheet A-651, B4 "Finish Plan". Lab #2, Room 112 Floor Finish designation has been changed from "CNT-1" to "CSL-1".
12. No carbon monoxide detection devices are shown on the Life Safety Plan (G-101), architectural plans, or MEP drawings reviewed. The project adds a new fire alarm system at the Owner's request, but the mechanical schedule (M601) indicates all new/relocated equipment (AHU-1, HP-1) is electric heat pump/AHU equipment with no gas-fired appliances identified. Please confirm whether carbon monoxide detection is required and/or intended to be part of this scope of work, and if so, provide the applicable device locations/specification. If not required, please confirm in writing for the record.
 - a. RESPONSE: We are confirming to not require the use of carbon monoxide detectors within this project due to the lack of natural gas, etc.

III. SUBSTITUTION REQUESTS

- A. Contractor's Request for Substitution – HVAC Equipment (Ruud in lieu of Trane basis-of-design, per Dwg M601)
 1. RESPONSE: Refer to Sheet M601, Note #7 "Equipment manufacturer and model number listed as basis of design. Provide indicated or equal that meets scheduled performance requirements." No submittal was provided with this substitution request; however, a substitution would have to meet the performance specifications provided in the Contract Documents.

IV. Revised Sheets (included with Addendum)

- A. G-000C, Revision dated 9/10/26
- B. G-206, Revision dated 9/10/26
- C. A-101, Revision dated 9/10/26
- D. A-651, Revision dated 9/10/26
- E. E101, Revision dated 9/10/26

LIMITED ASBESTOS INSPECTION REPORT

209 Daytona Street

Conway, South Carolina

Asbestos Inspections, LLC Project # 2026-01-355

*Performed in general accordance with SCDES 61-86.1
along with OSHA regulation 29 CFR 1926*

Assessment Completed by:



Asbestos Inspections, LLC
4686 Pee Dee Highway
Conway, South Carolina 29527
(843) 995-5197

Dawn Schoolcraft
SCDES ID# BI-00738

Assessment Completed For:

Mr. Karl Simms
Horry Georgetown Technical College
2050 US-501
Conway, South Carolina 29526

Inspection Completed On – September 1, 2026
Report Prepared On – September 9, 2026

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1.0 SIGNATURE PAGE

This report has been performed at the request of Mr. Karl Simms. The inspection was conducted by Mike Schoolcraft with Asbestos Inspections, LLC on September 1, 2026. The report was prepared and reviewed by the undersigned inspector.

Inspection Performed by:	SCDES#	Signature	Date
Mike Schoolcraft	BI-01624	<i>Mike Schoolcraft</i>	<i>September 1, 2026</i>
Report Prepared by:			
Dawn Schoolcraft	BI-00738	<i>Dawn Schoolcraft</i>	<i>September 9, 2026</i>
Report Reviewed by:			
Dawn Schoolcraft	BI-00738	<i>Dawn Schoolcraft</i>	<i>September 9, 2026</i>

2.0 COVER LETTER

September 9, 2026

derickf150@icloud.com
camtrebuilders@outlook.com

Subject:
Limited Asbestos Inspection Report
209 Daytona Street
Conway, South Carolina 29526
Asbestos Inspections, LLC Project # 2026-01-355

Asbestos Inspections, LLC has completed a Limited Asbestos Assessment and Inspection for the structure located at 209 Daytona Street, in Conway, South Carolina. The limited inspection was completed on September 1, 2026 by a South Carolina Department of Environmental Services (SCDES) building inspector.

The following report summarizes the project background, assessment procedures, results, and conclusions. The results presented in this report are indicative of conditions during the time of the inspection and of the specific areas outlined. The information provided in this report should not be used as a bidding document and field conditions should be verified. Should suspect building materials, not included within this report, be identified or impacted during the destructive activities, bulk samples must be collected and analyzed for asbestos content.

I appreciate this opportunity to provide our services. Should you have any questions concerning this report, please contact me at (843) 995-5197.

Sincerely,

Dawn Schoolcraft

Dawn Schoolcraft
Asbestos Building Inspector (SCDES #BI-00738)

3.0 EXECUTIVE SUMMARY

3.1 Scope and Purpose

This limited assessment was requested by Mr. Karl Simms for the structure located at 209 Daytona Street, in Conway, South Carolina. Based on information obtained from you, the structure is scheduled for renovation(s) and/or repair(s). The purpose of this assessment was to identify asbestos containing materials (ACMs) prior to renovation(s) and/or repair(s).

The inspection was completed in accordance with procedures specified in SCDES regulation 61.86.1 along with Occupational Safety and Health Administration (OSHA) regulation 29 Code of the Federal Regulations (CFR) 1926. The representative bulk samples collected were analyzed by a National Voluntary Laboratory Accreditation Program (NVLAP) certified laboratory which is administered by the National Institute of Standards and Technology (NIST). This report has been prepared in accordance with Environmental Protection Agency (EPA) 40 CFR, 763.85(a)(4).

3.2 Facility Conditions

Based on information provided, we understand that renovations to select areas of the Daytona Street building is scheduled. Renovations will potentially impact existing floor, suspended ceiling tile, and select walls. Suspect materials sampled during this inspection include drywall, joint compound, ceiling tile, wood floor mastic, carpet mastic, and felt paper.

The possibility exists that suspect materials were undetected in inaccessible areas such as areas deemed unsafe to enter, locked, underneath or behind large amounts of contents, behind interior masonry block veneer, behind metal walls, pipe chases, or wall voids. If additional suspect materials not included in this report are discovered during demolition, bulk samples should be collected and analyzed for asbestos content.

3.3 Findings and Conclusions

The EPA and SCDES define materials as asbestos containing if an asbestos content >1% is identified in a representative sample. **No asbestos** >1% was detected in the suspect materials collected and analyzed:

Material ID	Material	Regulatory Result	Highest Analytical Result	Est. Quantity
There are no homogenous materials for this project that have tested positive containing asbestos				

A copy of this report should be provided to the contractors to assist with compliance with applicable State and Federal regulations.

The results presented in this report are indicative of conditions during the time of the assessment. The information provided in this report should not be used as a bidding document and field conditions and quantities should be verified.

4.0 ASBESTOS ASSESSMENT DATA

The assessment was performed by observing and sampling suspect ACMs in the unit prior to the scheduled renovations. Representative bulk samples were then extracted, recorded on a chain of custody, and submitted to Eurofins/CEI Labs of Cary, North Carolina for laboratory analysis. The samples were tested via Polarized Light Microscopy (PLM); however, SCDES requires a Transmission Electron Microscopy (TEM) test be performed for all non-friable organically bound material found negative via PLM.

The following tables exhibits the suspect material sampled, location, quantity of material sampled, condition of material, potential for future disturbance, laboratory test method, and laboratory result for each sample collected.

All Materials Sampled

Material Id	Material	Space Name	Quantity	Material Category	Current Condition	Friability	Damage Potential	Physical Assessment Category
001	Drywall/Joint Compound	Walls Throughout and Bathroom Ceilings	10,400 sq. ft.	Surfacing Material	Good (No Damage)	Friable (RACM)	Potential for Significant Damage	6
002	Ceiling Tile	Ceilings Throughout Except Bathrooms	3,100 sq. ft.	Miscellaneous	Good (No Damage)	Friable (RACM)	Potential for Significant Damage	6
003	Wood Flooring Mastic	Select Rooms	528 sq. ft.	Miscellaneous	Good (No Damage)	Category I Nonfriable	Potential for Significant Damage	6
004	Carpet Mastic	Select Rooms	483 sq. ft.	Miscellaneous	Good (No Damage)	Category I Nonfriable	Potential for Significant Damage	6
005	Felt Paper	Under Ceramic Tile and 2 nd Floor Wood Flooring	4200 sq. ft.	Miscellaneous	Good (No Damage)	Category I Nonfriable	Potential for Significant Damage	6

Sample Results

Sample ID	Material	%	Regulatory Result	Analysis Type
001A	White Joint Compound	ND	Tested Negative by Lab	PLM
	White Drywall	ND	Tested Negative by Lab	PLM
001B	White Joint Compound	ND	Tested Negative by Lab	PLM
	White Drywall	ND	Tested Negative by Lab	PLM

Sample ID	Material	%	Regulatory Result	Analysis Type
001C	White Joint Compound	ND	Tested Negative by Lab	PLM
	White Drywall	ND	Tested Negative by Lab	PLM
001D	White Joint Compound	ND	Tested Negative by Lab	PLM
	White Drywall	ND	Tested Negative by Lab	PLM
001E	White Joint Compound	ND	Tested Negative by Lab	PLM
	White Drywall	ND	Tested Negative by Lab	PLM
001F	White Joint Compound	ND	Tested Negative by Lab	PLM
	White Drywall	ND	Tested Negative by Lab	PLM
001G	White Joint Compound	ND	Tested Negative by Lab	PLM
	White Drywall	ND	Tested Negative by Lab	PLM
002A	White Ceiling Tile	ND	Tested Negative by Lab	PLM
002B	White Ceiling Tile	ND	Tested Negative by Lab	PLM
002C	White Ceiling Tile	ND	Tested Negative by Lab	PLM
003A	Tan Wood Flooring Mastic	ND	Tested Negative by Lab	PLM
003B	Tan Wood Flooring Mastic	ND	Tested Negative by Lab	PLM
003C	Tan Wood Flooring Mastic	<1% Chrysotile	Less Than 1% Asbestos by Lab (Trace)	TEM
004A	Green Carpet Mastic	ND	Tested Negative by Lab	PLM
004B	Green Carpet Mastic	ND	Tested Negative by Lab	PLM
004C	Green Carpet Mastic	ND	Tested Negative by Lab	TEM
005A	Black Felt Paper	ND	Tested Negative by Lab	PLM
005B	Black Felt Paper	ND	Tested Negative by Lab	PLM
005C	Black Felt Paper	ND	Tested Negative by Lab	TEM

Please understand that quantities are estimated and should not be used for bidding purposes. Field conditions should be verified prior to bidding.

Site location plan and location plan are identified as Figures 1 and 2 in Appendix 1 of this report, photographs are in Appendix 2, laboratory results are in Appendix 3, and license is in Appendix 4.

5.0 CONCLUSIONS

The EPA and SCDES define materials as asbestos containing if an asbestos content >1% is detected in a representative sample. **No asbestos** >1 % was detected in the suspect materials sampled and analyzed for the structure located at 209 Daytona Street, in Conway, South Carolina:

Material ID	Material	Regulatory Result	Highest Analytical Result	Est. Quantity
There are no homogenous materials for this project that have tested positive containing asbestos				

A copy of this report should be provided to the contractors to assist with compliance with applicable State and Federal regulations.

The possibility exists that suspect materials were undetected in inaccessible areas such as areas deemed unsafe to enter, behind exterior veneer, pipe chases, or wall voids. If additional suspect materials not included in this report are discovered during renovations, bulk samples should be collected and analyzed for asbestos content.

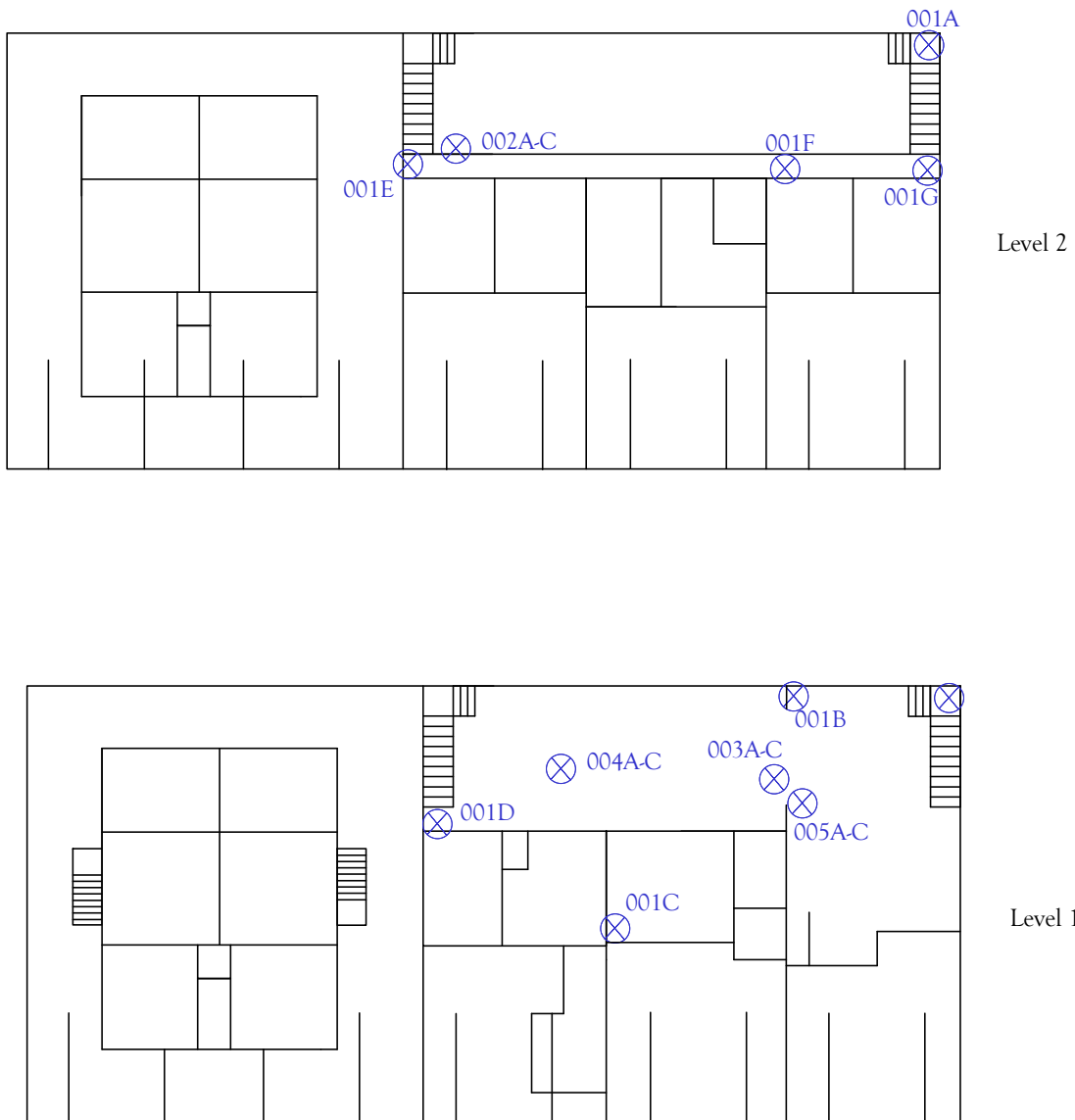
APPENDIX 1
Site Location Plan and Sample Location Plan



Site Location Plan
 209 Daytona St
 Conway, SC
 Project # - 2026-01-355

Scale: Not to Scale
 Reviewed By: DS
 Date: 9/2/26
 Source: N/A

Figure 1



Asbestos Sample Location Plan
209 Daytona St
Conway, SC
Project # - 2026-01-355

Scale: Not to Scale
Reviewed By: DS
Date: 9/9/26
Source: N/A

Figure 2

LEGEND

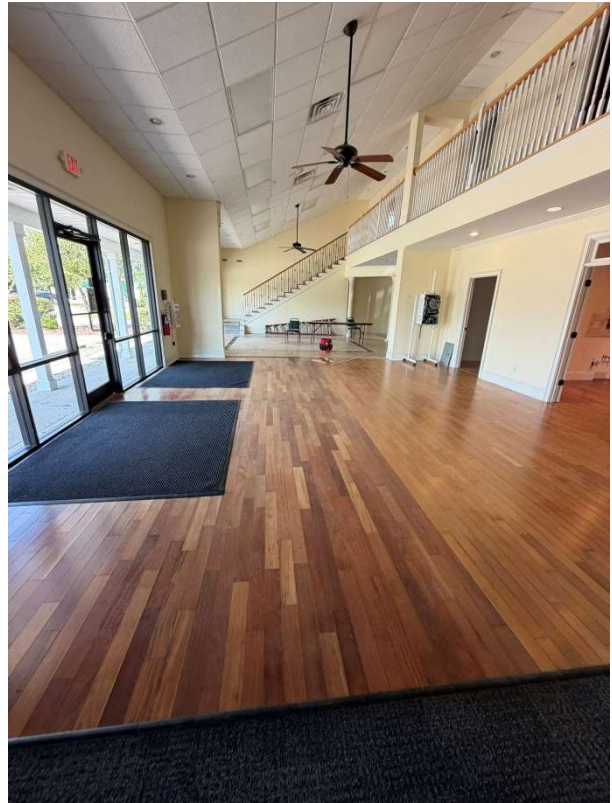
- Sample Location
- Asbestos Containing Sample Location

APPENDIX 2 Photographs

Site Photos



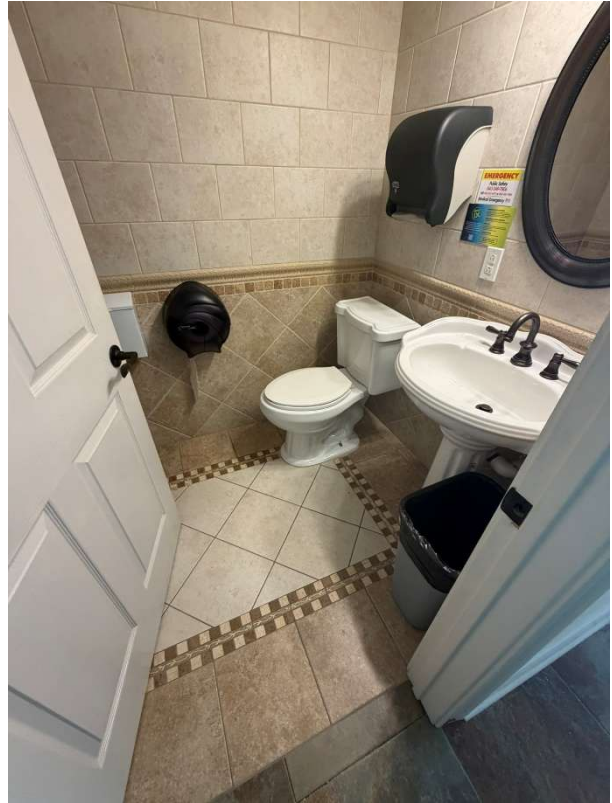
Interior



Interior, Entrance



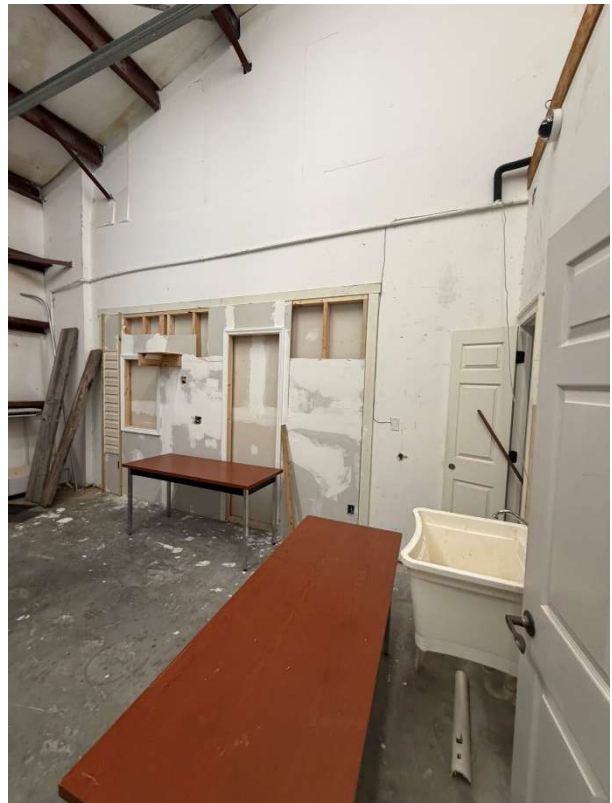
Interior



Interior, Bathroom



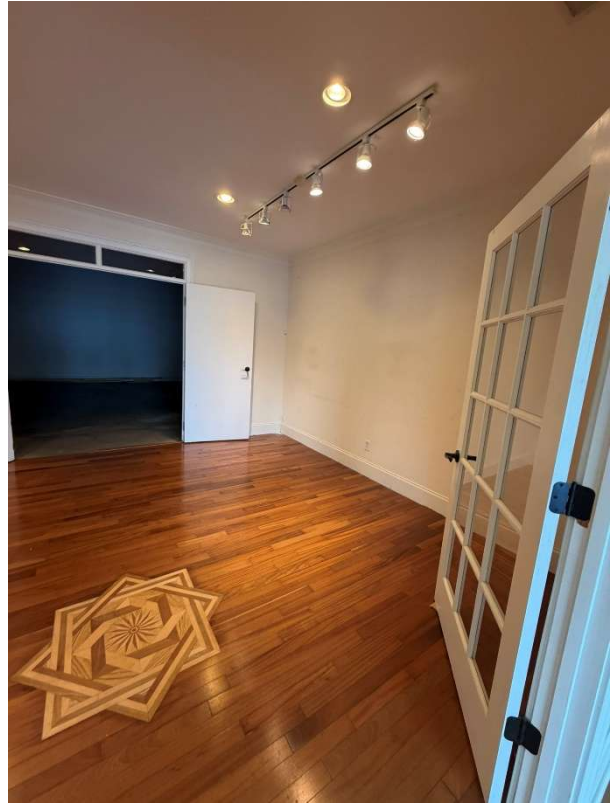
Interior



Interior



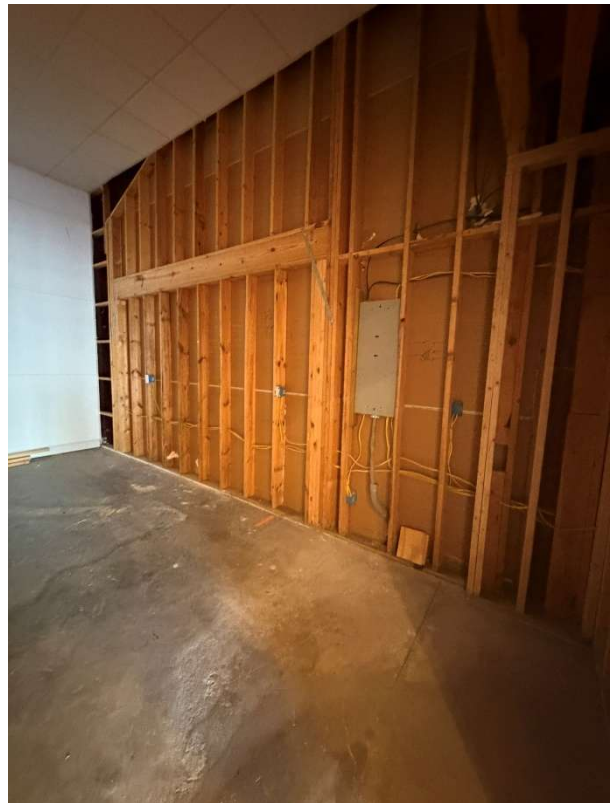
Interior



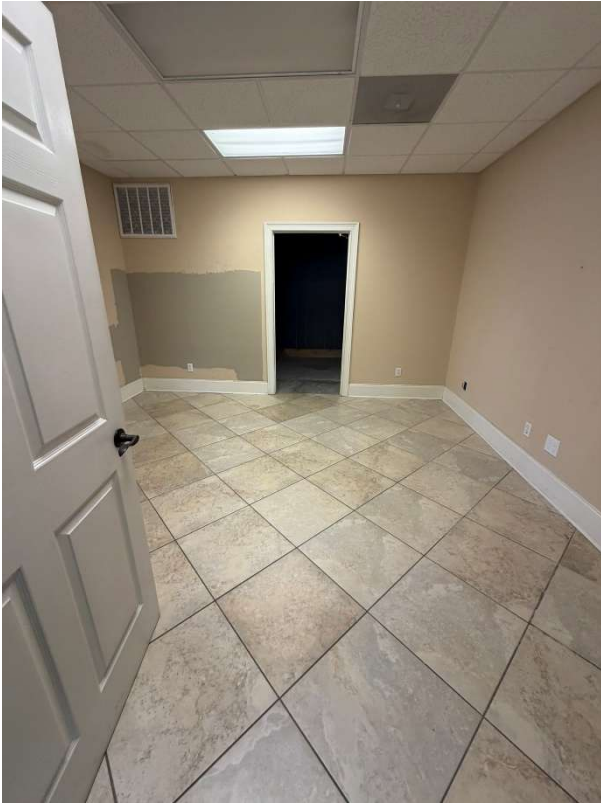
Interior



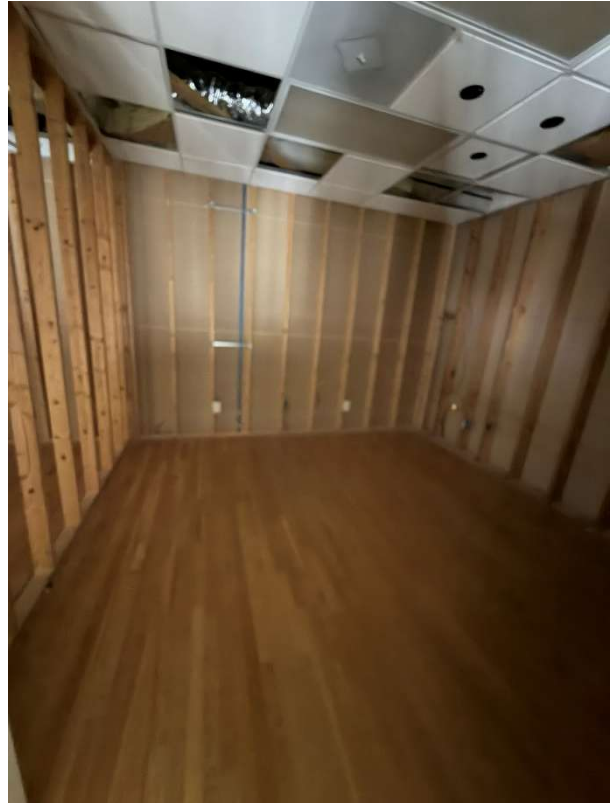
Interior



Interior



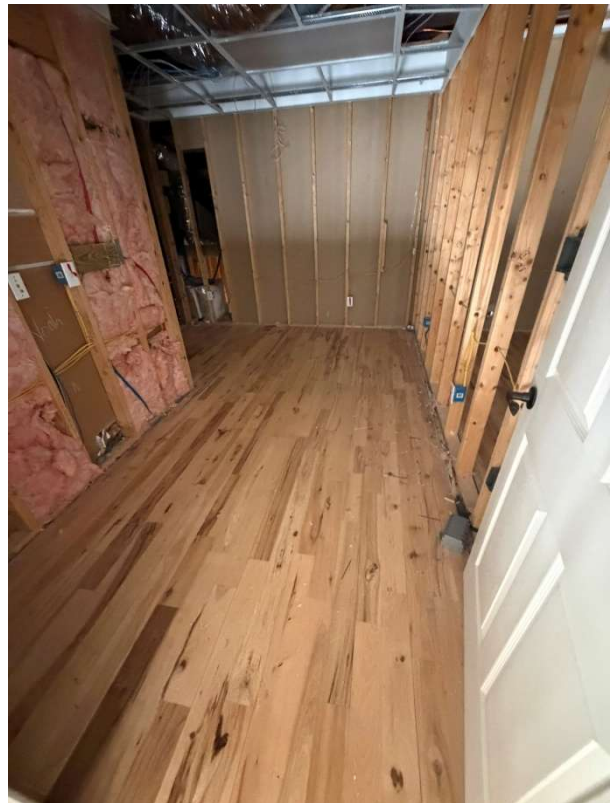
Interior



Interior



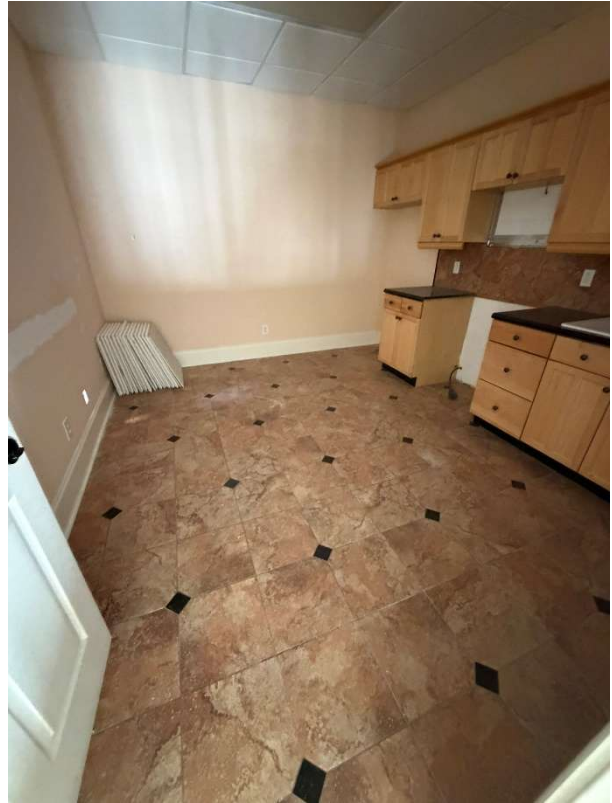
Interior



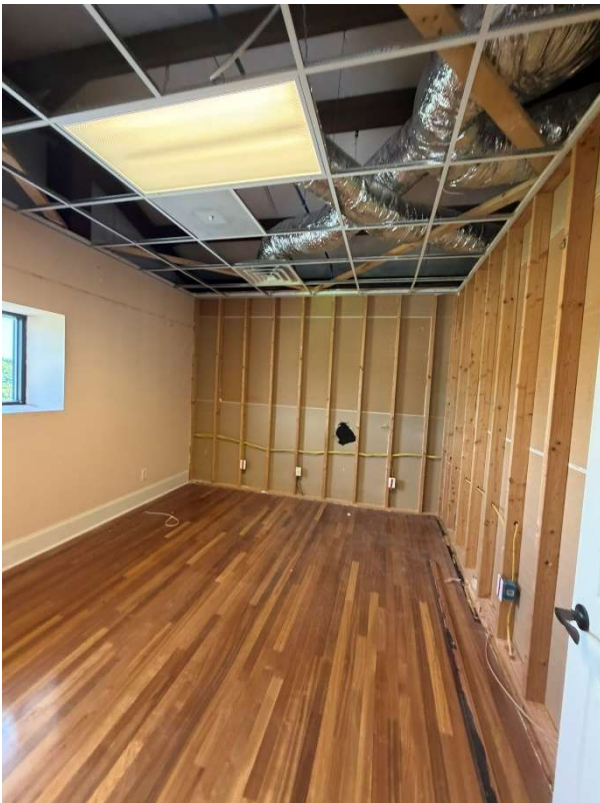
Interior



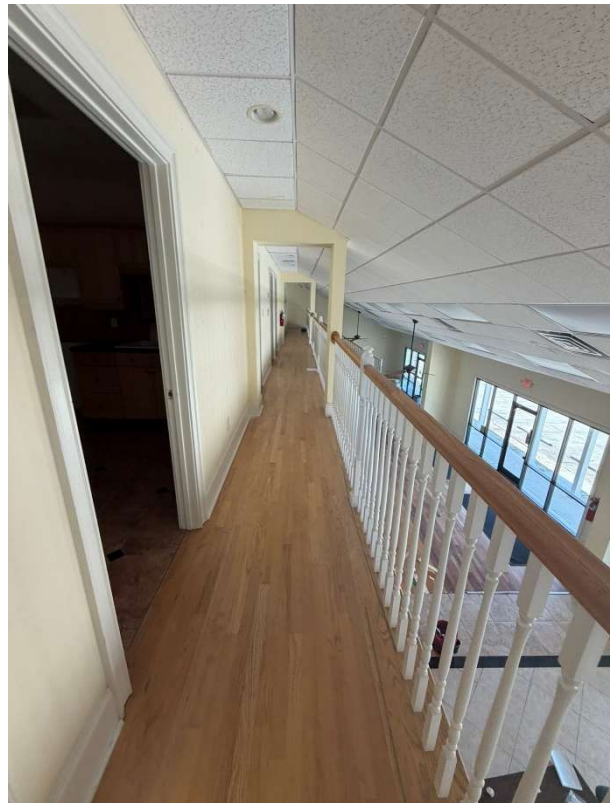
Interior, Bathroom



Interior



Interior



Interior, 2nd Floor

APPENDIX 3

Laboratory Results

September 08, 2026

Dawn Schoolcraft
Asbestos Inspections LLC
4686 Peedee Hwy
Conway, SC 29527

CLIENT PROJECT: 209 Daytona St, 209 Daytona St
LAB CODE: 782856-1

Dear Dawn,

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on 09/02/26. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the 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.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% by calibrated visual estimate.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Kamila Reichert,
Laboratory Director

NVLAP 101768-0

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

Asbestos Inspections LLC

CLIENT PROJECT:	209 Daytona St, 209 Daytona St
LAB CODE:	782856-1
TEST METHOD:	EPA 600 / R93 / 116 and EPA 40 CFR Appendix E to Subpart E of Part 763
REPORT DATE:	09/08/26
TOTAL SAMPLES ANALYZED:	16
# SAMPLES >1% ASBESTOS:	0
TOTAL LAYERS ANALYZED:	23

Project: 209 Daytona St, 209 Daytona St

Lab Code: 782856-1

Method: EPA 600 / R93 / 116 and EPA 40 CFR Appendix E to Subpart E of Part 763

Client ID	Lab ID	Layer	Sample Description	Asbestos %
001A	4788179	Layer A	White joint compound	None Detected
		Layer B	White drywall	None Detected
001B	4788180	Layer A	White joint compound	None Detected
		Layer B	White drywall	None Detected
001C	4788181	Layer A	White joint compound	None Detected
		Layer B	White drywall	None Detected
001D	4788182	Layer A	White joint compound	None Detected
		Layer B	White drywall	None Detected
001E	4788183	Layer A	White joint compound	None Detected
		Layer B	White drywall	None Detected
001F	4788184	Layer A	White joint compound	None Detected
		Layer B	White drywall	None Detected
001G	4788185	Layer A	White joint compound	None Detected
		Layer B	White drywall	None Detected
002A	4788186		White ceiling tile	None Detected
002B	4788187		White ceiling tile	None Detected
002C	4788188		White ceiling tile	None Detected
003A	4788189		Tan wood flooring mastic	None Detected
003B	4788190		Tan wood flooring mastic	None Detected
004A	4788191		Green carpet mastic	None Detected
004B	4788192		Green carpet mastic	None Detected
005A	4788193		Black felt paper	None Detected
005B	4788194		Black felt paper	None Detected

ASBESTOS BULK ANALYSIS

By: Polarized Light Microscopy

Client: Asbestos Inspections LLC
4686 Peedee Hwy
Conway, SC 29527

Lab Code: 782856-1
Date Received: 09/02/26
Date Analyzed: 09/08/26
Date Reported: 09/08/26

Project: 209 Daytona St, 209 Daytona St

Method: ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
001A	Joint Compound	Heterogeneous			5%	Paint	None Detected
Layer A		White			70%	Calc Carb	
4788179		Non-Fibrous			25%	Binder	
		Bound					
Layer B	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
4788179		White					
		Fibrous					
		Bound					
001B	Joint Compound	Heterogeneous			5%	Paint	None Detected
Layer A		White			70%	Calc Carb	
4788180		Non-Fibrous			25%	Binder	
		Bound					
Layer B	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
4788180		White					
		Fibrous					
		Bound					
001C	Joint Compound	Heterogeneous			5%	Paint	None Detected
Layer A		White			70%	Calc Carb	
4788181		Non-Fibrous			25%	Binder	
		Bound					
Layer B	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
4788181		White					
		Fibrous					
		Bound					

ASBESTOS BULK ANALYSIS

By: Polarized Light Microscopy

Client: Asbestos Inspections LLC
4686 Peedee Hwy
Conway, SC 29527

Lab Code: 782856-1
Date Received: 09/02/26
Date Analyzed: 09/08/26
Date Reported: 09/08/26

Project: 209 Daytona St, 209 Daytona St

Method: ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
001D	Joint Compound	Heterogeneous			5%	Paint	None Detected
Layer A		White			70%	Calc Carb	
4788182		Non-Fibrous			25%	Binder	
		Bound					
Layer B	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
4788182		White					
		Fibrous					
		Bound					
001E	Joint Compound	Heterogeneous			5%	Paint	None Detected
Layer A		White			70%	Calc Carb	
4788183		Non-Fibrous			25%	Binder	
		Bound					
Layer B	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
4788183		White					
		Fibrous					
		Bound					
001F	Joint Compound	Heterogeneous			5%	Paint	None Detected
Layer A		White			70%	Calc Carb	
4788184		Non-Fibrous			25%	Binder	
		Bound					
Layer B	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
4788184		White					
		Fibrous					
		Bound					

ASBESTOS BULK ANALYSIS

By: Polarized Light Microscopy

Client: Asbestos Inspections LLC
4686 Peedee Hwy
Conway, SC 29527

Lab Code: 782856-1
Date Received: 09/02/26
Date Analyzed: 09/08/26
Date Reported: 09/08/26

Project: 209 Daytona St, 209 Daytona St

Method: ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
001G Layer A 4788185	Joint Compound	Heterogeneous			5%	Paint	None Detected
		White		70%	Calc Carb		
		Non-Fibrous		25%	Binder		
		Bound					
Layer B 4788185	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		White					
		Fibrous					
		Bound					
002A 4788186	Ceiling Tile	Heterogeneous	60%	Cellulose	5%	Paint	None Detected
		White	20%	Glass	15%	Perlite	
		Fibrous					
		Loosely Bound					
002B 4788187	Ceiling Tile	Heterogeneous	60%	Cellulose	5%	Paint	None Detected
		White	20%	Glass	15%	Perlite	
		Fibrous					
		Loosely Bound					
002C 4788188	Ceiling Tile	Heterogeneous	60%	Cellulose	5%	Paint	None Detected
		White	20%	Glass	15%	Perlite	
		Fibrous					
		Loosely Bound					
003A 4788189	Wood Flooring Mastic	Homogeneous	2%	Cellulose	98%	Mastic	None Detected
		Tan					
		Non-Fibrous					
		Bound					
003B 4788190	Wood Flooring Mastic	Homogeneous	2%	Cellulose	98%	Mastic	None Detected
		Tan					
		Non-Fibrous					
		Bound					

ASBESTOS BULK ANALYSIS

By: Polarized Light Microscopy

Client: Asbestos Inspections LLC
4686 Peedee Hwy
Conway, SC 29527

Lab Code: 782856-1
Date Received: 09/02/26
Date Analyzed: 09/08/26
Date Reported: 09/08/26

Project: 209 Daytona St, 209 Daytona St

Method: ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
004A 4788191	Carpet Mastic	Homogeneous Green Non-Fibrous Bound	<1%	Synthetics	100%	Mastic	None Detected
004B 4788192	Carpet Mastic	Homogeneous Green Non-Fibrous Bound	<1%	Synthetics	100%	Mastic	None Detected
005A 4788193	Felt Paper	Homogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
005B 4788194	Felt Paper	Homogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected

LEGEND:

Non-Anth = Non-Asbestiform Anthophyllite
Non-Trem = Non-Asbestiform Tremolite
Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 40 CFR Appendix E to Subpart E of Part 763

REPORTING LIMIT: 1% by calibrated visual estimation

REGULATORY LIMIT: 1%

Due to the limitations of the EPA 600 / R93 / 116 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

Eurofins Built Environment Testing East, LLC makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins Built Environment Testing East, LLC. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.



Samantha Webster
Analyst

DATA QA:



Kathryn Wescott
9/8/2026

APPROVED BY:



Kamila Reichert,
Laboratory Director



Built Environment Testing

RES Job #: 782856

SUBMITTED BY	INVOICE TO	CONTACT INFORMATION	SERIES
Company: Asbestos Inspections LLC	Company: Asbestos Inspections LLC	Contact: Dawn Schoolcraft	-1 PLM Priority 48
Address: 4686 Peedee Hwy	Address: 4686 Peedee Hwy	Phone:	-2 TEM Priority 48
Conway, SC 29527	Conway, SC 29527	Fax:	
		Cell: (843) 995-5197	
Project Number and/or P.O. #: 209 Daytona St	Project Zip Code:	Final Data Deliverable Email Address:	
Project Description/Location: 209 Daytona St		dschoolcraft1978@gmail.com (+ 1 ADDNL. CONTACTS)	

ASBESTOS LABORATORY					REQUESTED ANALYSIS							VALID MATRIX CODES						LAB NOTES
PLM / PCM / TEM / NYS DTL RUSH PRIORITY STANDARD					PLM - PLM Short Report (EPA/600/R-93/116) TEM - Semi-Quantitative (EPA-600-R-93-116 - "Chatfield") PCM NYS DUST METALS ORGANICS VIABLES MEDICAL MOLD									Air = A		Bulk = B		
														Dust = D		Food = F		
CHEMISTRY LABORATORY														Paint = P		Soil = S		
Dust RUSH PRIORITY STANDARD														Surface = SU		Swab = SW		
Metals RUSH PRIORITY STANDARD						*PRIOR NOTICE REQUIRED FOR SAME DAY TAT												
Organics* SAME DAY RUSH PRIORITY STANDARD														Tape = T		Wipe = W		
MICROBIOLOGY LABORATORY														Drinking Water = DW				
Viable Analysis** PRIORITY STANDARD						**TAT DEPENDENT ON SPEED OF MICROBIAL GROWTH												
Medical Device Analysis RUSH STANDARD																		
Mold Analysis RUSH PRIORITY STANDARD																		
Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.																		
Special Instructions: Please analyze TEMs along with PLMs.																		
Client Sample ID Number (Sample ID's must be unique)						ASBESTOS	CHEMISTRY	MICROBIOLOGY	ICO	Sample Volume (L) / Area	Sample Temperature (°C)	Length(or Aliquots) x Width(or Area)(Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions	
1 001A					X							B						
2 001B					X							B						
3 001C					X							B						
4 001D					X							B						
5 001E					X							B						
6 001F					X							B						
7 001G					X							B						
8 002A					X							B						
9 002B					X							B						
10 002C					X							B						
11 003A					X							B						
12 003B					X							B						
13 003C					X	X						B						

Eurofins Built Environment Testing East, LLC establishes a unique Lab Sample ID, for each sample, by preceding each unique Client Sample ID with the laboratory RES Job Number.

Eurofins Built Environment Testing East, LLC will analyze incoming samples based on information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing, client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET30. Failure to comply with payment terms may result in a 18% APR finance charge.

Relinquished By:		Dawn Schoolcraft	Date/Time: 09/02/2026 6:57:01	Sample Condition: Acceptable
Received By:		Tyson Rodgers	Date/Time: 09/02/2026 12:12:12	Carrier: Fed-Ex



RES Job #: 782856

Submitted By: Asbestos Inspections LLC



Built Environment Testing

RES Job #:

782856

Submitted By:

Asbestos Inspections LLC

										REQUESTED ANALYSIS					VALID MATRIX CODES					LAB NOTES																																																											
										PLM - PLM Short Report (EPA/600/R-93/116)	TEM - Semi-Quantitative (EPA-600-R-93-116 - "Chatfield")	PCM	NYS	DUST	METALS	ORGANICS	VIABLES	MEDICAL	MOLD		Air = A	Bulk = B																																																									
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																					Waste Water = WW																																																										
																					ASTM E1792 approved wipe media only																																																										
Client Sample ID Number										(Sample ID's must be unique)																																																																					
ASBESTOS										CHEMISTRY										MICROBIOLOGY										ICO																																																	
14 004A										X																																																																					
15 004B										X																																																																					
16 004C																				X																																																											
17 005A										X																																																																					
18 005B										X																																																																					
19 005C																				X																																																											

Asbestos Inspections LLC
Sample Notes



RES #: 782856
Project Number and/or P.O. #: 209 Daytona St
Project Description/Location: 209 Daytona St

Client Sample ID	Sample Note	Quantity	Sampler(s)
001A	Drywall/Joint Compound		
001B	Drywall/Joint Compound		
001C	Drywall/Joint Compound		
001D	Drywall/Joint Compound		
001E	Drywall/Joint Compound		
001F	Drywall/Joint Compound		
001G	Drywall/Joint Compound		
002A	Ceiling Tile		
002B	Ceiling Tile		
002C	Ceiling Tile		
003A	Wood Floor Mastic		
003B	Wood Floor Mastic		
003C	Wood Floor Mastic		
004A	Carpet Mastic		
004B	Carpet Mastic		
004C	Carpet Mastic		
005A	Felt Paper		
005B	Felt Paper		
005C	Felt Paper		

September 09, 2026

Dawn Schoolcraft
Asbestos Inspections LLC
4686 Peedee Hwy
Conway, SC 29527

CLIENT PROJECT: 209 Daytona St, 209 Daytona St
LAB CODE: 782856-2

Dear Dawn,

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on 09/02/26. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the TEM Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method is <1% depending on the processed weight and constituents of the sample.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Kamila Reichert,
Laboratory Director

ASBESTOS ANALYTICAL REPORT
By: Transmission Electron Microscopy

Prepared for

Asbestos Inspections LLC

CLIENT PROJECT:	209 Daytona St, 209 Daytona St
LAB CODE:	782856-2
TEST METHOD:	Bulk Chatfield EPA 600 / R93 / 116 Sec. 2.5.5.1
REPORT DATE:	09/09/26

Client: Asbestos Inspections LLC
4686 Peedee Hwy
Conway, SC 29527

Lab Code: 782856-2
Date Received: 09/02/26
Date Analyzed: 09/09/26
Date Reported: 09/09/26

Project: 209 Daytona St, 209 Daytona St

Method: TEM BULK CHATFIELD / EPA 600 / R93 / 116 Sec. 2.5.5.1

Client ID Lab ID	Material Description	Sample Weight (g)	Organic Material (%)	Acid Soluble Material (%)	Acid Insoluble Material (%)	ASBESTOS %
003C 4788195	Tan wood floor mastic	0.06	96.83	1.59	1.59	<1% Chrysotile
004C 4788196	Green carpet mastic	0.34	75.07	4.64	20.29	None Detected
005C 4788197	Black felt paper	0.15	93.24	6.08	0.68	None Detected

LEGEND: None

METHOD: Bulk Chatfield EPA 600 / R93 / 116 Sec. 2.5.5.1

LIMIT OF DETECTION: Varies with the weight and constituents of the sample (<1%)

REGULATORY LIMIT: 1%

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Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling. Eurofins Built Environment Testing East, LLC recommends between 0.500 and 0.200 grams of sample material. Any weight below 0.100 grams is considered below protocol guidelines.



Lewis Winfield
Analyst



DATA QA:

Brunilda Gjoka
9/9/2026



APPROVED BY:

Kamila Reichert,
Laboratory Director



Built Environment Testing

RES Job #: 782856

SUBMITTED BY	INVOICE TO	CONTACT INFORMATION	SERIES
Company: Asbestos Inspections LLC	Company: Asbestos Inspections LLC	Contact: Dawn Schoolcraft	-1 PLM Priority 48
Address: 4686 Peedee Hwy	Address: 4686 Peedee Hwy	Phone:	-2 TEM Priority 48
Conway, SC 29527	Conway, SC 29527	Fax:	
		Cell: (843) 995-5197	
Project Number and/or P.O. #: 209 Daytona St	Project Zip Code:	Final Data Deliverable Email Address:	
Project Description/Location: 209 Daytona St		dschoolcraft1978@gmail.com (+ 1 ADDNL. CONTACTS)	

ASBESTOS LABORATORY					REQUESTED ANALYSIS							VALID MATRIX CODES						LAB NOTES	
PLM / PCM / TEM / NYS DTL RUSH PRIORITY STANDARD					PLM - PLM Short Report (EPA/600/R-93/116) TEM - Semi-Quantitative (EPA-600-R-93-116 - "Chatfield") PCM NYS DUST METALS ORGANICS VIABLES MEDICAL MOLD							Air = A			Bulk = B				
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												Surface = SU			Swab = SW				
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												Drinking Water = DW							
												Waste Water = WW							
												ASTM E1792 approved wipe media only							
												Sample Volume (L) / Area	Sample Temperature (°C)	Length(or Aliquots) x Width(or Area)(Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy		Time Collected hh:mm
CHEMISTRY LABORATORY																			
Dust RUSH PRIORITY STANDARD																			
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Viable Analysis** PRIORITY STANDARD																			
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Medical Device Analysis RUSH STANDARD																			
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Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.																			
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1 001A					X										B				
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3 001C					X										B				
4 001D					X										B				
5 001E					X										B				
6 001F					X										B				
7 001G					X										B				
8 002A					X										B				
9 002B					X										B				
10 002C					X										B				
11 003A					X										B				
12 003B					X										B				
13 003C						X									B				

Eurofins Built Environment Testing East, LLC establishes a unique Lab Sample ID, for each sample, by preceding each unique Client Sample ID with the laboratory RES Job Number.

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Relinquished By:		Dawn Schoolcraft	Date/Time: 09/02/2026 6:57:01	Sample Condition: Acceptable
Received By:		Tyson Rodgers	Date/Time: 09/02/2026 12:12:12	Carrier: Fed-Ex



RES Job #: 782856

Submitted By: Asbestos Inspections LLC



Built Environment Testing

RES Job #:

782856

Submitted By:

Asbestos Inspections LLC

										REQUESTED ANALYSIS					VALID MATRIX CODES					LAB NOTES	
										PLM - PLM Short Report (EPA/600/R-93/116) TEM - Semi-Quantitative (EPA-600-R-93-116 - "Chatfield") PCM NYS DUST METALS ORGANICS VIABLES MEDICAL MOLD	Air = A		Bulk = B								
											Dust = D		Food = F								
											Paint = P		Soil = S								
											Surface = SU		Swab = SW								
											Tape = T		Wipe = W								
											Drinking Water = DW										
											Waste Water = WW										
											ASTM E1792 approved wipe media only										
Client Sample ID Number (Sample ID's must be unique)										ASBESTOS	CHEMISTRY	MICROBIOLOGY	ICO	Sample Volume (L) / Area	Sample Temperature (°C)	Length(or Aliquots) x Width(or Area/Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions
14 004A	X												B								
15 004B	X												B								
16 004C		X											B								
17 005A	X												B								
18 005B	X												B								
19 005C		X											B								

Asbestos Inspections LLC
Sample Notes

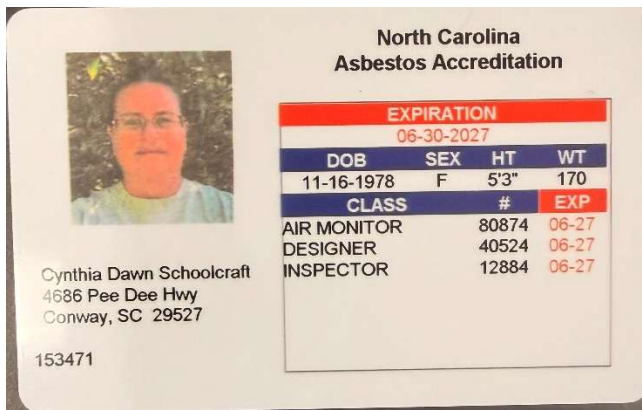


RES #: 782856
Project Number and/or P.O. #: 209 Daytona St
Project Description/Location: 209 Daytona St

Client Sample ID	Sample Note	Quantity	Sampler(s)
001A	Drywall/Joint Compound		
001B	Drywall/Joint Compound		
001C	Drywall/Joint Compound		
001D	Drywall/Joint Compound		
001E	Drywall/Joint Compound		
001F	Drywall/Joint Compound		
001G	Drywall/Joint Compound		
002A	Ceiling Tile		
002B	Ceiling Tile		
002C	Ceiling Tile		
003A	Wood Floor Mastic		
003B	Wood Floor Mastic		
003C	Wood Floor Mastic		
004A	Carpet Mastic		
004B	Carpet Mastic		
004C	Carpet Mastic		
005A	Felt Paper		
005B	Felt Paper		
005C	Felt Paper		

APPENDIX 4

License



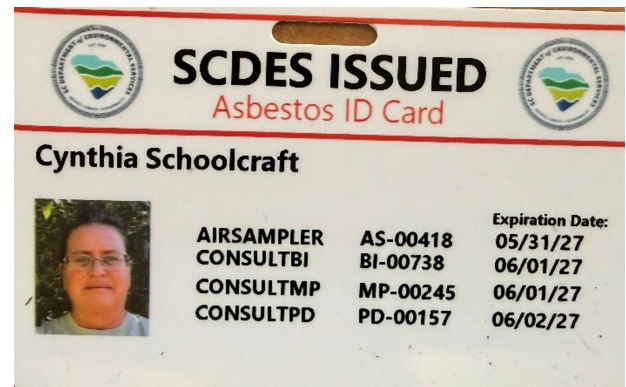
12884, 06/30/2027, North Carolina, Dawn Schoolcraft



LBP-R-I162035-3, 03/16/2027, South Carolina, Dawn Schoolcraft



1909008, 09/30/2027, South Carolina, Dawn Schoolcraft



BI-00738, 06/01/2027, South Carolina, Dawn Schoolcraft

**North Carolina
Asbestos Accreditation**



EXPIRATION			
06-30-2027			
DOB	SEX	HT	WT
05-09-1973	M	5'10"	275
CLASS		#	EXP
AIR MONITOR		80929	06-27
INSPECTOR		13088	06-27

Michael A Schoolcraft
4686 Pee Dee Hwy
Conway, SC 29527
153469



SCDES ISSUED

Asbestos ID Card



Michael Schoolcraft



**AIRSAMPLER
CONSULTBI**

**AS-00535
BI-01624**

Expiration Date:
**05/31/27
06/01/27**

**NORTH CAROLINA
LEAD CERTIFICATION**



Michael A Schoolcraft
4686 Pee Dee Hwy
Conway, SC 29527

DISCIPLINE	#	DOB	SEX	HT	WT	LAST COURSE	EXPIRATION
INSPECTOR	110349	05-09-1973	M	5'10"	250	INS 09-21-2022	10-31-2023

United States Environmental Protection Agency

This is to certify that



Michael A Schoolcraft

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.220 as:

Inspector

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires October 25, 2025

LBP-1241150-1

Certification #

October 11, 2022

Issued On:



Adrienne Priselac

Adrienne Priselac, Manager, Toxics Office

Lead Division

Renovation

**209 Daytona Street
Conway, South Carolina 29526**

ADDENDUM #1
2026.09.10
4202-250685



LS3P



3067 DEVILLE STREET
MYRTLE BEACH, SOUTH CAROLINA 29577
TEL. 843.872.0360
WWW.LS3P.COM

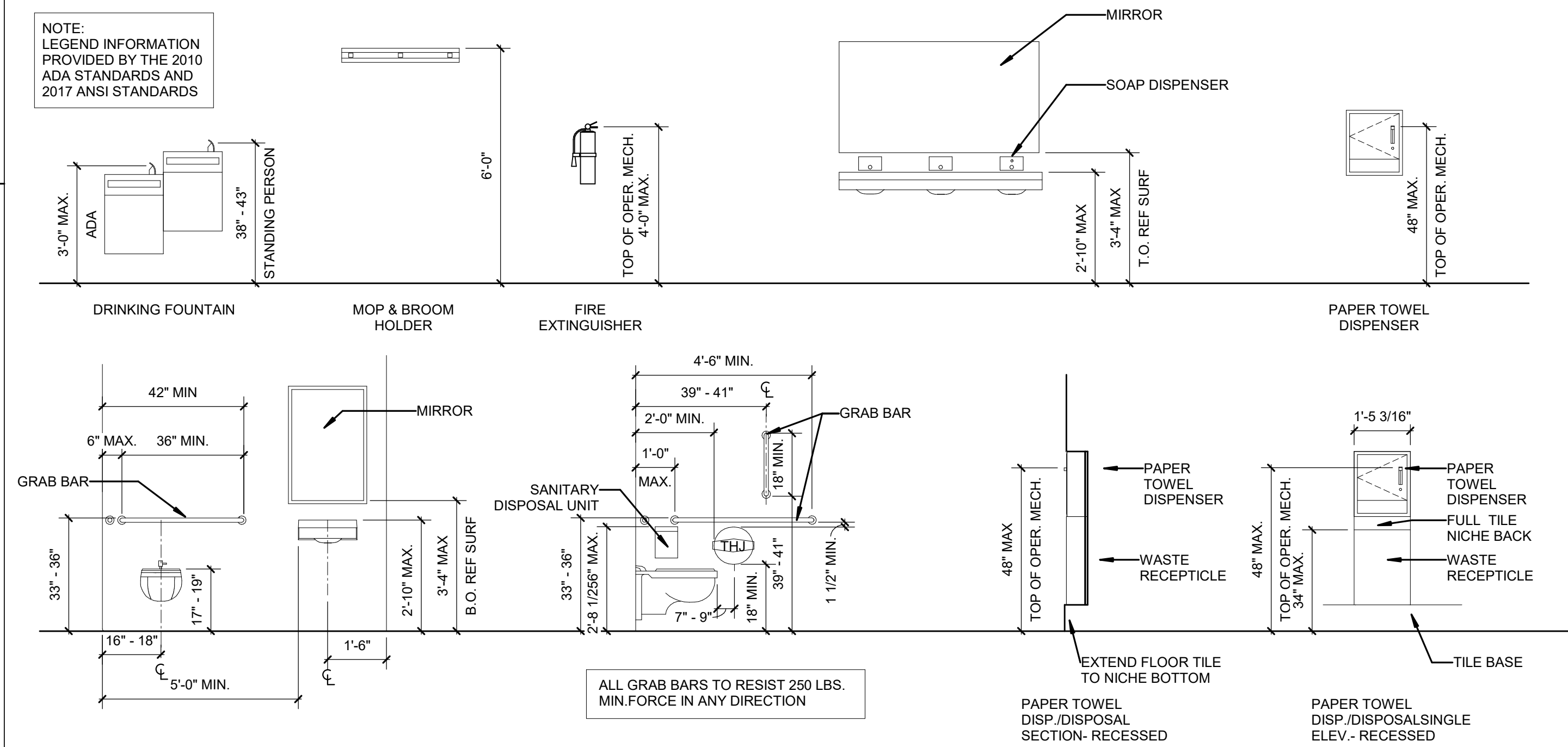
MEP ENGINEER
HENSLEY & GOERLING

1064 GARDNER RD, SUITE 116
CHARLESTON, SC, 29407
843.203.6158
DEREK HENSLEY
DWHENSLEY@HGCENG.COM

**STRUCTURAL ENGINEER
WEATHERLY ENGINEERING**

514 ALDER STREET
BOX B, SUITE 2
MYRTLE BEACH, SC 29577
843.448.3428
ASHLEIGH WEATHERLY
aweatherly@weatherlyengineering.com

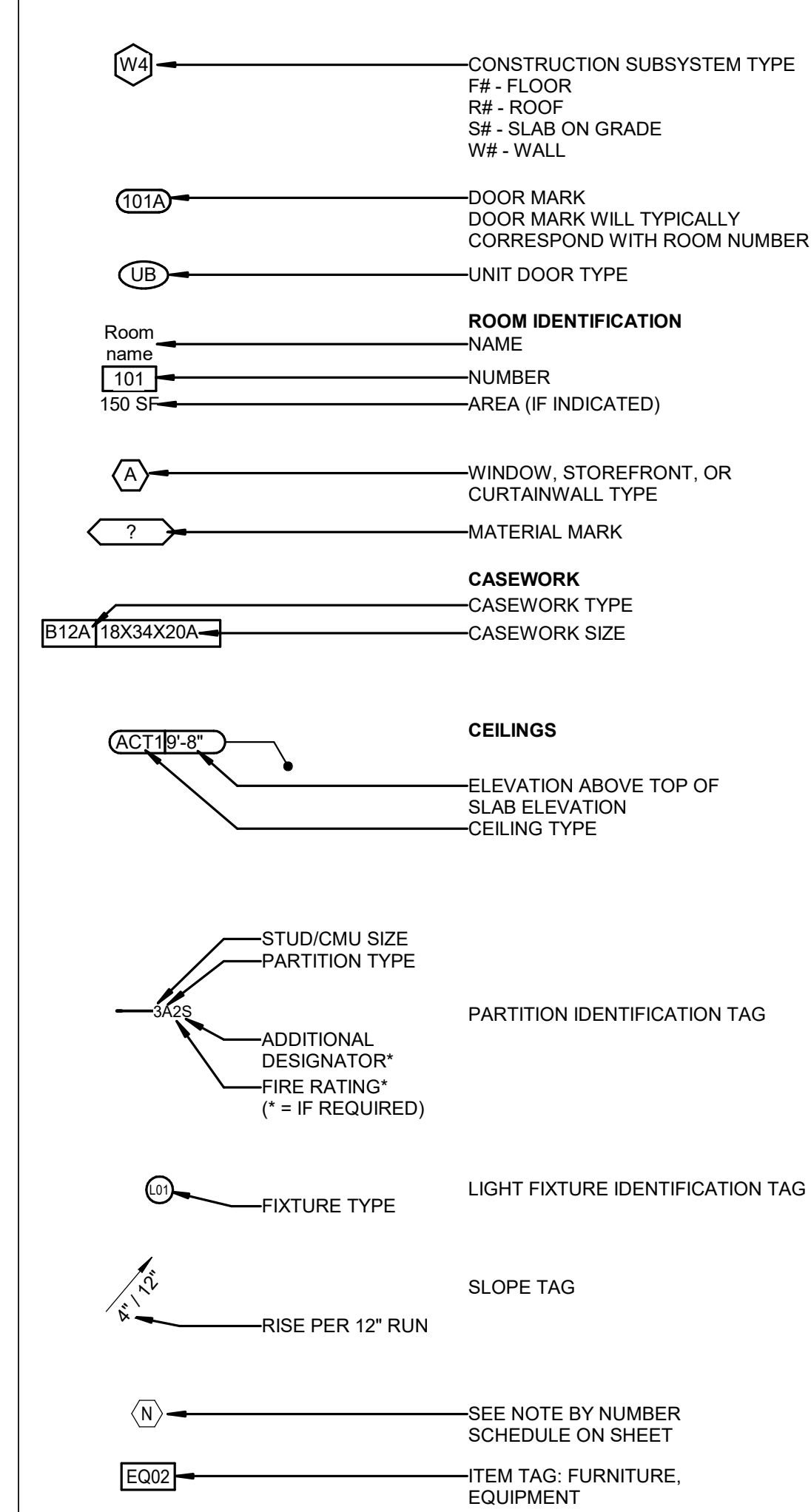
TYPICAL MOUNTING HEIGHTS - RESTROOMS



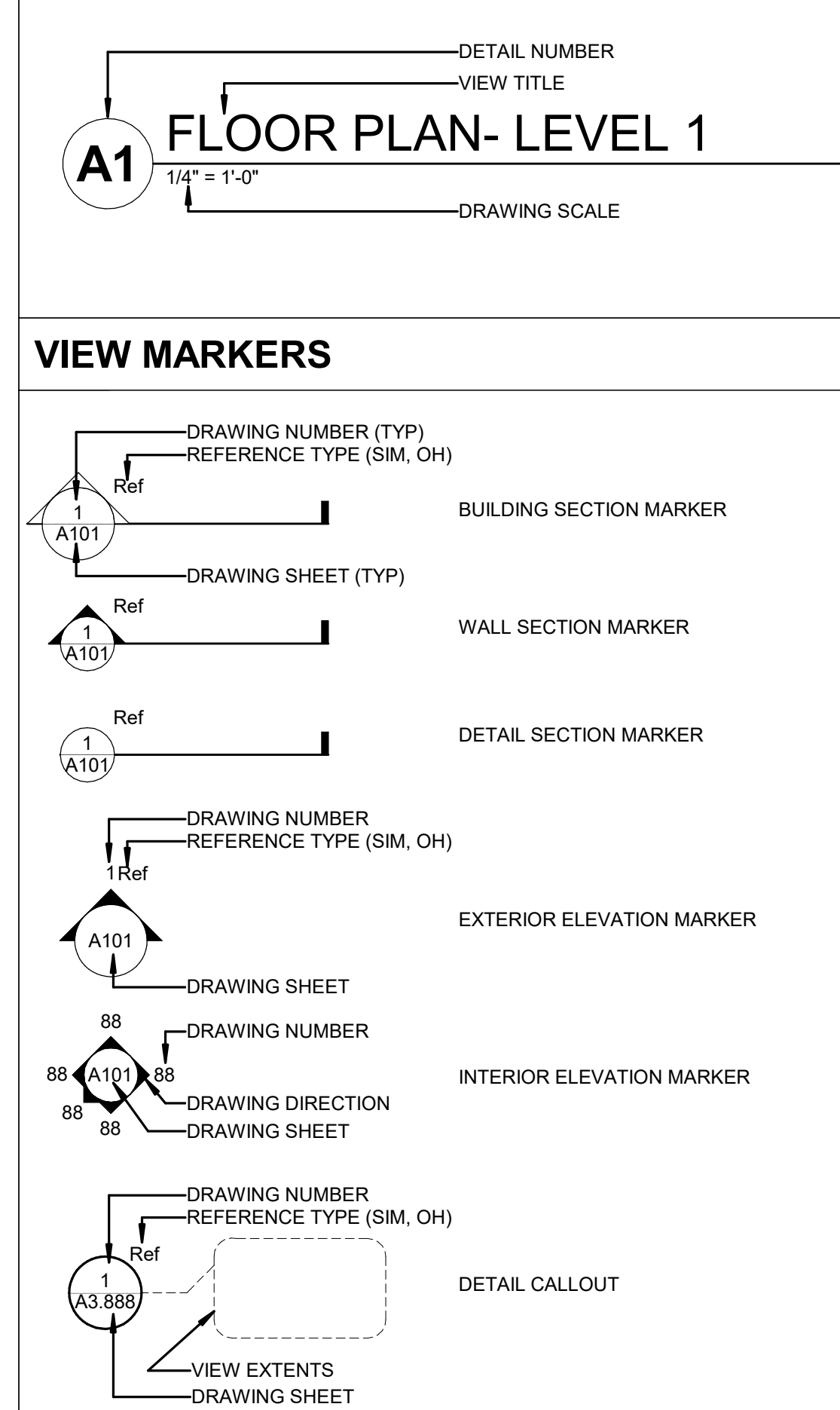
PROJECT ABBREVIATIONS

A/C	AIR CONDITION(ING)	OD	OUTSIDE DIAMETER
ACT	ACOUSTICAL CEILING TILE	OPP	OPPOSITE
ADMIN	ADMINISTRATION	OPT	OPTION(AL)
AF	ABOVE FINISHED FLOOR	PCF	POUNDS PER CUBIC FEET
ALT	ALTERNATE	PLM	PLASTIC LAMINATE
ALUM	ALUMINUM	PLF	POUNDS PER LINEAR FEET
APPROX	APPROXIMATE(LY)	PLYWD	PLYWOOD
ARCH	ARCHITECTURAL	PNL	PANEL
AUTO	AUTOMATIC	PR	PAIR
AUX	AUXILIARY	PREFAB	PREFABRICATED
AV	AUDIOVISUAL	PREFIN	PREFINISH
BITUM	BITUMINOUS	PRKG	PARKING
BL	BUILDING LINE	PSF	POUNDS PER SQUARE FOOT
BLDG	BUILDING	PSI	POUNDS PER SQUARE INCH
BN	BULL. NOSE	PT	PAINT, POST-TENSIONED,
BOS	BOTTOM OF STEEL		PRE-TREATED
BOT	BOTTOM	PVC	POLYVINYL CHLORIDE
CAB	CABINET		(PLASTIC)
CJ	CONTROL JOINT	QTR	QUARTER
CL	CENTER LINE	QTY	QUANTITY
CLG	CEILING	R	RADIUS, RISER
CLG HT	CEILING HEIGHT	RCP	REFLECTED CEILING PLAN
CLOSE	CLOSE	RD	ROOF DRAIN
CLR	CLEAR(ANCE)	REF	REFRIGERATOR, REFERENCE
CMU	CONCRETE MASONRY UNIT	REQD	REQUIRED
COL	COLUMN	RL	ROOM LEADER
CONC	CONCRETE	RM	ROOM
CONF	CONFERENCE	RO	ROUGH OPENING
CONT	CONTINUE, CONTINUOUS	ROW	RIGHT OF WAY
CORR	CORRIDOR	S	SOUTH
CU FT	CUBIC FOOT	SC	SOLID CORE
CU YD	CUBIC YARD	SD	STORM DRAIN
DEMO	DEMOLISH	SECT	SECTION
DEPT	DEPARTMENT	SF	SQUARE FEET
DET	DETAIL	SM	SIMILAR
DF	DRINKING FOUNTAIN	SPEC	SPECIFICATION
DIA	DIAMETER	SPKR	SPEAKER
DIAG	DIAGONAL	SQ	SQUARE
DIM	DIMENSION	SS	STAINLESS STEEL
DIV	DIVISION	STD	STANDARD
DS	DOWNSPOUT	STOR	STORAGE
E	EAST	SUSP	SUSPENDED
EA	EACH	SYS	SYSTEM
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	T	TREAD
EJ	EXPANSION JOINT	TEL	TELEPHONE
EL	ELEVATION	TEMP	TEMPORARY
ELEC	ELECTRIC(AL)	TFF	TOP OF FINISH FLOOR
ELEV	ELEVATOR	THK	THICKNESS
ENCL	ENCLOSE(D)	THRU	THROUGH
EOS	EDGE OF SLAB	TO	TOP OF
EQ	EQUAL	TOB	TOP OF BEAM
EQUIP	EQUIPMENT	TOC	TOP OF CONCRETE, CURB
EW	ELECTRIC WATER COOLER	TOF	TOP OF FOOTING
EXIST	EXISTING	TOJ	TOP OF JOIST
EXP JT	EXPANSION JOINT	TOM	TOP OF MASONRY
EXT	EXTERIOR	TOP	TOP OF PARAPET
F/F	FACE TO FACE	TOS	TOP OF SLAB
FD	FLOOR DRAIN	TOW	TOP OF WALL
FE	FIRE EXTINGUISHER	TRTD	TREATED
FEC	FIRE EXTINGUISHER CABINET	TV	TELEVISION
FF EL	FIRE FLOOR ELEVATION	TY	TYPICAL
FHC	FIRE HOSE CABINET	UL	UNDERWRITERS
FIN FLR	FINISHED FLOOR		LABORATORIES
FLR	FLOOR, FILLER	UNO	UNLESS NOTED OTHERWISE
FOC	FACE OF CURB	VERT	VERTICAL
FOM	FACE OF FINISH	VEST	VESTIBULE
FOM	FACE OF MASONRY	VIF	VERIFY IN FIELD
FOS	FACE OF SLAB	W	WEST, WIDE
FOW	FACE OF WALL	WI	WITH
FT	FOOT, FEET	W/O	WITHOUT
FTG	FOOTING	WW	WALL TO WALL
FURN	FURNISH, FURNITURE	WC	WATER CLOSET
GA	GAGE	WD	WOOD
GALV	GALVANIZED	WP	WORKING POINT, WATERPROOFING
GC	GENERAL CONTRACTOR	WR	WATER REPELLENT
GYP BD	GYPSUM BOARD	WT	WEIGHT
GYP PLAS	GYPSUM PLASTER	WWF	WELODED WIRE FABRIC
HC	HANDICAP	YD	YARD
HD	HEAVY DUTY		
HDWD	HARDWOOD		
HDWR	HARDWARE		
HM	HOLLOW METAL		
HORIZ	HORIZONTAL		
HT	HEIGHT		
HVAC	HEATING, VENTILATION & AIR CONDITIONING		
ID	INSIDE DIAMETER		
INCL	INCLUDE(D), (ING)		
INFO	INFORMATION		
INSUL	INSULATION		
INT	INTERIOR		
JAN CLO	JANITOR CLOSET		
KIT	KITCHEN		
KO	KNOCKOUT		
LAB	LABORATORY		
LAM	LAMINATE		
LAU	LAUNDRY		
LAV	LAVATORY		
LF	LINEAR FEET		
LVR	LOUVER		
MAINT	MAINTENANCE		
MATL	MATERIAL		
MAX	MAXIMUM		
MECH	MECHANICAL		
MEZZ	MEZZANINE		
MFG	MANUFACTURING		
MFR	MANUFACTURER		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MO	MASONRY OPENING		
MR	MOISTURE RESISTANT		
MTD	MOUNTED		
MTG	MOUNTING		
MTL	METAL		
N	NORTH		
NIC	NOT IN CONTRACT		
NOM	NOMINAL		
NON	NON-COMBUSTIBLE		
COMB			
NTS	NOT TO SCALE		
OC	ON CENTER		

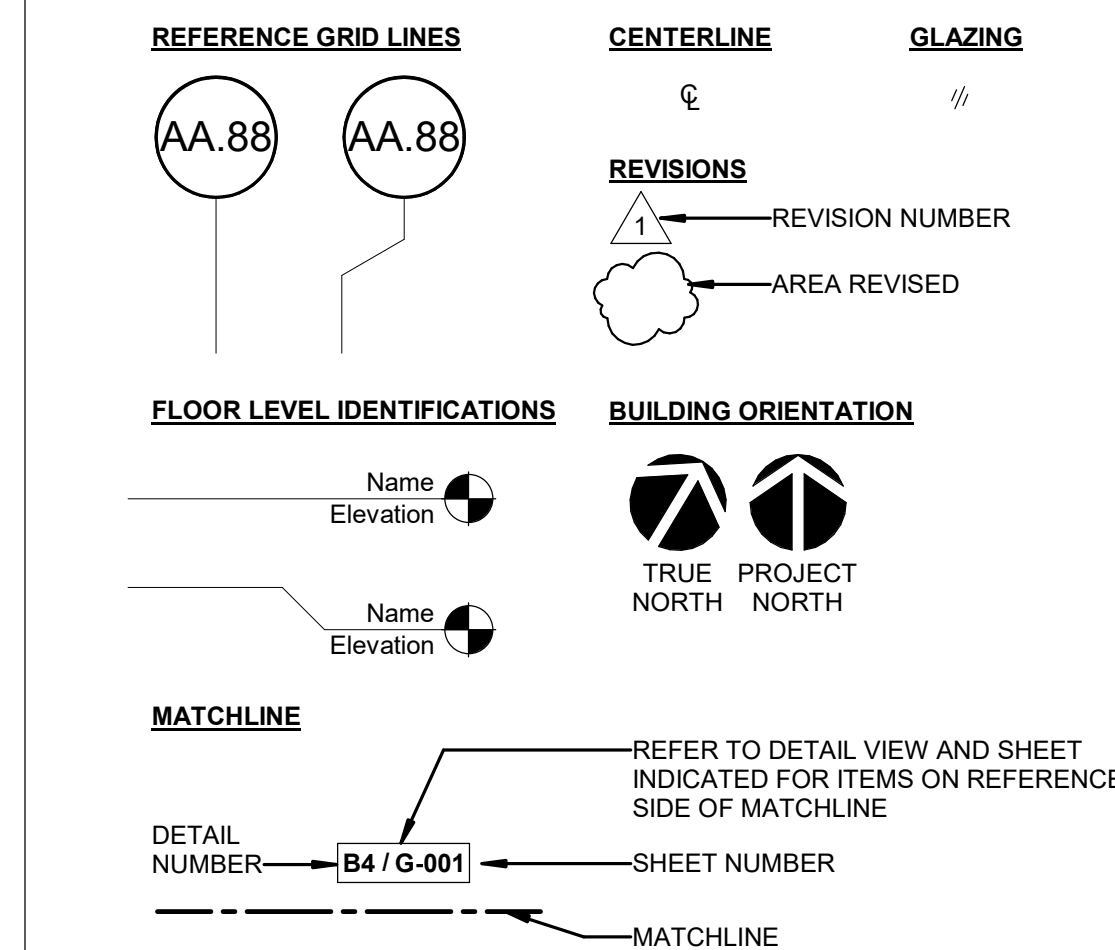
ITEM TAGS



DRAWING TITLES



DRAWING SYMBOLS



PROJECT DESCRIPTION

THIS PROJECT SCOPE INCLUDES A LEVEL 3 ALTERATION OF 4,552 SF (> THAN 50% OF BUILDING AREA) WITHIN AN EXISTING 7,573 SF METAL BUILDING. OCCUPANCY REMAINS BUSINESS. SCOPE OF WORK INCLUDES RECONFIGURATIONS TO AND REPLACEMENT OF MEP SYSTEMS, DEMOLITION AND RECONFIGURATION OF WALLS AND DOORS AND RECONFIGURATION OF INTERIOR ELECTRICAL PANELS.

ADDITION OF NEW FIRE ALARM SYSTEM

NO ADDITIONAL SQUARE FOOTAGE IS BEING ADDED TO THE BUILDING.

BUILDING INFORMATION:

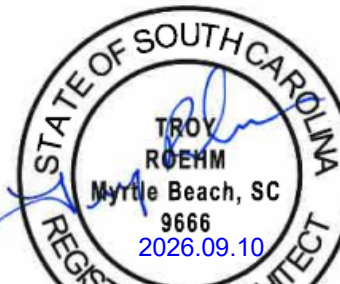
EXISTING BUILDING IS A TWO-STORY METAL FRAMED BUILDING. ALL WORK ASSOCIATED WITH THIS PROJECT SHALL COMPLY WITH CURRENT CODES AND GUIDELINES. THE 7,573 SF CONSTRUCTION TYPE V-B BUILDING WILL REMAIN "BUSINESS" OCCUPANCY.

APPLICABLE CODES

<u>BUILDING CODE:</u>	2021 (IBC) International Building Code with South Carolina Modifications 2021 (IBC) International Building Code with South Carolina Modifications
<u>FIRE CODE:</u>	2021 (IBC) International Fire Code with South Carolina Modifications
<u>PLUMBING CODE:</u>	2021 (IBC) International Plumbing Code with South Carolina Modifications
<u>MECHANICAL CODE:</u>	2021 (IBC) International Mechanical Code with South Carolina Modifications
<u>ELECTRICAL CODE:</u>	2020 National Electrical Code (NFPA 70) with South Carolina Modifications
<u>FUEL CODE:</u>	2021 (IBC) International Fuel Gas Code with South Carolina Modifications
<u>ENERGY CODE:</u>	2009 South Carolina Energy Conservation Code
<u>ACCESSIBILITY:</u>	2017 ICC A117.1 EDITION

JURISDICTION: SOUTH CAROLINA
OFFICE OF STATE
ENGINEER (CONSTRUCTION)

3067 DEVILLE STREET
MYRTLE BEACH, SOUTH CAROLINA 29577
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HGTC - Conway Daytona Building Renovation

209 Daytona Street
Conway, South Carolina 29526

STATE PROJECT #: H59-N347-C
LS3P PROJECT #: 4202-250685[illegible]

SHEET NAME:
COVER SHEET

ORIG SUBMISSION: 2026.05.01

SHEET: **G-000C**

PERMIT SET

SPECIFICATIONS... continued

- E. Storm-Resistant Assemblies: Provide floor, jamb, and head anchors as recommended by manufacturer and tested according to ANSI/SDD 250.13.
- 2.7 MATERIALS
- A. Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B; suitable for exposed applications.
- B. Hot-Rolled Steel Sheet: ASTM A 1011/A 1011M, Commercial Steel (CS), Type B; free scale, pitting, or surface defects; pickled and oiled.
- C. Metallic-Coated Steel Sheet: ASTM A 653/A 653M, Commercial Steel (CS), Type B.
- D. Inserts, Bolts, and Fasteners: Hot-dip galvanized according to ASTM A 153/A 153M.
- E. Powder-Actuated Fasteners in Concrete: Fastener system of type suitable for application as indicated from catalog or manufacturer's literature, with clips or other accessory device for attaching hollow-metal frames of type indicated.
- F. Mineral-Fiber Insulation: ASTM C 665, Type I (blankets without membrane facing); consisting of fibers manufactured from slag or rock wool; with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively; passing ASTM E 136 for combustor characteristics.
- G. Glazing: Comply with requirements in Section 088000 "Glazing."

- 2.8 FABRICATION
- A. Door Astragals: Provide overlapping astragal on one leaf of pairs of doors where required by NFPA 80 for fire-performance rating or where indicated. Extend minimum 3/4 inch beyond edge of door on which astragal is mounted or as required to comply with published listing of qualified testing agency.
- B. Hollow-Metal Frames: Fabricate in one piece except where handling and shipping require square multiple sections. Where frames are fabricated in sections, provide alignment plates or angles at each joint, fabricated of metal of same or greater thickness as frames.
1. Frames: Provide closed tubular members with no visible face seams or joints, fabricated from same material as door frame. Fasten members at crossings and to jambs by welding.
2. Provide countersunk, flat- or oval-head exposed screws and bolts for exposed fasteners unless otherwise indicated.
3. Door Silencers: Except on weather-stripped frames, drill slots to receive door silencers as follows: a. Single-Door Frames: Drill slot in strike jamb to receive three door silencers. b. Double-Door Frames: Drill slot in head jamb to receive two door silencers.
- C. Hardware Preparation: Factory prepare hollow-metal doors and frames to receive templated mortised hardware, and electrical wiring, include cutouts, reinforcement, mortising, drilling, tapping, and grinding. Provide hardware Schedule, and templates.
1. Reinforce doors and frames to receive nontemplated, mortised, and surface-mounted door hardware.
2. Comply with BHMA A156.115 for preparing hollow-metal doors and frames for glazing.

- D. Glazed Lites: Provide stops and moldings around glazed lites where indicated. Form corners of stops and moldings with butter or mitered finished joints.
1. Provide stops and moldings flush with face of door.
2. Multiple Glazed Lites: Provide fixed and removable stops and moldings so that each glazed lite is capable of being removed independently.
3. Provide fixed frame moldings on exterior and on secure side of interior doors and frames. Provide loose stops and moldings on inside of hollow-metal doors and frames.
4. Coordinate rabbet width between fixed and removable stops with glazing and installation types indicated.
5. Provide stops for installation with countersunk flat- or oval-head metal screws spaced uniformly not more than 9 inches o.c. and not more than 2 inches o.c. at each corner.

- 2.9 STEEL FINISHES
- A. Prime Finish: Clean, pretreat, and apply manufacturer's standard primer.
1. Shop Primer: Manufacturer's standard, fast-curing, lead- and chromate-free primer complying with SDI A250.10, recommended by primer manufacturer for substrate compatible with substrate and field-applied coatings despite prolonged exposure.

- PART 3 - EXECUTION
- 3.1 EXAMINATION
- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Examine rough-in's for embedded and built-in anchors to verify actual locations before frame installation.
- C. For the record, prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.
- 3.2 PREPARATION
- A. Remove welded-in shipping spreaders installed at factory. Restore exposed finish by grinding, filing, and dressing, as required to make repaired area smooth, flush, and invisible on exposed faces. Touch up factory-applied finishes where spreaders are removed.
- B. Drill and tap doors and frames to receive nontemplated, mortised, and surface-mounted door hardware.
- 3.3 INSTALLATION
- A. General: Install hollow-metal doors and frames plumb, rigid, properly aligned, and securely fastened in place. Comply with approved Shop Drawings and with manufacturer's written instructions.
- B. Severe Windstorm Resistant Assemblies: Install doors and frames with the same anchors and spacing as tested in accordance with ANSI/SDD 250.13.
- C. Hollow-Metal Frames: Comply with SDI A250.11.
1. Set frames accurately in position; plumb, aligned, and braced securely until permanent anchors are set. After wall construction is complete, remove temporary braces without damage to completed work.
- a. Where frames are fabricated in sections, field splice at approved locations by welding face joint continuously, grind, fill, dress, and make splice smooth, flush, and invisible on exposed faces. Touch-up finishes.
- b. Install frames with removable stops located on secure side of opening.
2. Fire-Rated Openings: Install frames according to NFPA 80.
3. Floor Anchors: Secure with postinstalled expansion anchors.
- a. Floor studs may be secured with post-actuated fasteners instead of postinstalled expansion anchors if so indicated and approved on Shop Drawings.
- b. Metal-Stub Partitions: Solidly pack mineral-fiber insulation inside frames.
- c. Masonry Walls: Coordinate installation of frames to allow for suitable filling space between frames and masonry with grout or mortar.
- d. In-Place Concrete or Masonry Construction: Secure frames in place with postinstalled expansion anchors. Countersink anchors, and fill and make smooth, flush, and invisible on exposed faces.
7. In-Place Gypsum Board Partitions: Secure frames in place with postinstalled expansion anchors through floor anchors at each jamb. Countersink anchors, and fill and make smooth, flush, and invisible on exposed faces.
8. Installation Tolerances: Adjust hollow-metal frames to the following tolerances:
- a. Squaresness: Plus or minus 1/16 inch, measured at door rabbet on a line 90 degrees from jamb perpendicular to frame head.
- b. Alignment: Plus or minus 1/16 inch, measured at jambs on a horizontal line parallel to plane of wall.
- c. Twist: Plus or minus 1/16 inch, measured at opposite face corners of jambs or parallel lines, and perpendicular to plane of wall.
- d. Plumbness: Plus or minus 1/16 inch, measured at jambs at floor.
- D. Hollow-Metal Doors: Fit and adjust hollow-metal doors accurately in frames, within clearances specified below.
1. Non-Fire-Rated Steel Doors: Comply with SDI A250.8.
2. Fire-Rated Doors: Install doors with clearances according to NFPA 80.
3. Smoke-Control Doors: Install doors according to NFPA 105.
- E. Glazing: Comply with installation requirements in Section 088000 "Glazing" and with hollow-metal manufacturer's written instructions.

- 3.4 CLEANING AND TOUCHUP
- A. Final Adjustments: Check and readjust operating hardware items immediately before the installation. Leave work in complete and proper operating condition. Remove and replace defective work, including hollow metal work that is warped, bowed, or otherwise unacceptable.
- B. Remove grout and other bonding material from hollow metal work immediately after installation.
- C. Prime-Coat Touchup: Immediately after erection, sand smooth rusted or damaged area of prime coat and apply touchup of compatible air-drying, rust-inhibitive primer.
- D. Metallic-Coat Surface Touchup: Clean abraded areas and repair with galvanizing repair paint according to manufacturer's written instructions.
- E. Factory-Finish Touchup: Clean abraded areas and repair with same material used for factory finish according to manufacturer's written instructions.
- F. Touchup Painting: Cleaning and touchup painting of abraded areas of paint are specified in painting Sections.

- END OF SECTION 081113
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- SECTION 08310 - SECTIONAL DOORS
- PART 1 - GENERAL
- 1.1 SUMMARY
- A. Section Includes:
1. Insulated manually-operated steel sectional doors.
- B. Related Requirements:
1. Section 055000 "Metal Fabrications" for miscellaneous steel supports.
- 1.2 PERFORMANCE REQUIREMENTS
- A. General Performance: Sectional doors shall meet performance requirements specified without failure due to defective manufacture, fabrication, installation, or other defects in construction and without requiring temporary installation of reinforcing components.
- B. Delegated Design: Design sectional doors, including comprehensive engineering analysis by a qualified professional engineer, using performance requirements and design criteria indicated.
- C. Structural Performance: Exterior sectional doors shall withstand the effects of gravity loads, and the following loads and stresses within limits and under conditions indicated according to ASCE/SEI 7.
1. Wind Loads: As indicated on the Drawings.
2. Testing: According to ASTM E330/E330M.
3. Deflection Limits: Design sectional doors to withstand design wind loads without evidencing permanent deformation or disengagement of door components.
4. Deflection of door in horizontal position (open) shall not exceed 1/20 of the door width.
5. Operability under Wind Load: Design overhead coiling doors to remain operable under design or uniform pressure (velocity pressure) of 20-lbf/sq. ft. wind load, acting inward and outward.
- D. Windborne-Debris Impact Resistance: Provide impact-protective overhead coiling doors that pass ASTM E1886 missile-impact and cyclo-pressure tests for basic protection.
1. Large-Missile Test: For overhead coiling doors located within 30 ft. of grade.
- E. Seismic Performance: Sectional doors shall withstand the effects of earthquake motions determined according to ASCE/SEI 7.
1. The term "withstand" means "the unit will remain in place without separation of any parts from the device when subjected to the seismic forces specified."
2. Seismic Component Importance Factor: 1.0.
- F. Air Leakage: Maximum rate not more than indicated when tested according to ASTM E 283.
1. Air Infiltration: Maximum rate of 0.08 cfm/sq. ft. at 15 and 25.
- G. Operation Cycles: Provide sectional door components and operators capable of operating for not less than number of cycles indicated for each door. One operation cycle is complete when a door is opened from the closed position to the fully open position and returned to the closed position.
- 1.3 SUBMITTALS
- A. Product Data: For each type and size of sectional door and accessory. Include the following:
1. Construction details, material descriptions, dimensions of individual components, profile door sections, and finishes.
- B. Shop Drawings: For each installation and for special components not dimensioned or detailed in manufacturer's product data. Include plans, elevations, sections, details, and attachments to other work.
1. Detail equipment assemblies and indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
- C. Samples for Initial Selection: Manufacturer's finish charts showing full range of colors and textures available for units with factory-applied finishes.
1. Include similar Samples of accessories involving color selection.
- D. Delegated-Design Submittal: For sectional doors indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
1. Detail fabrication and assembly of seismic restraints.
2. Summary of forces and loads on exterior and interior jambs.
- E. Qualification Data: For qualified Installer.
- F. Seismic Qualification Certificates: For sectional doors, accessories, and components.
- G. Warranties: Sample of sample warranties.
- H. Maintenance Data: For sectional doors to include in maintenance manuals.
- 1.4 QUALITY ASSURANCE
- A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for both installation and maintenance of units required for this Project.
- B. Source Limitations: Obtain sectional doors from single source from single manufacturer.
- C. Standard for Sectional Doors: Fabricate sectional doors to comply with DANA 102 unless otherwise indicated.
- D. Regulatory Requirements: Comply with applicable provisions in ICC/ANSI A117.1.
- 1.5 WARRANTY
- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of sectional doors that fail in manufacturer or workmanship within specified warranty period.
1. Failures include, but are not limited to, the following:
- a. Structural failures including, but not limited to, excessive deflection.
- b. Faulty operation of hardware.
- c. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use, rust through.
- d. Delamination of exterior or interior facing materials.
2. Warranty Period: Five years from date of Substantial Completion.
- B. Special Finish Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components that show evidence of deterioration of factory-applied finishes within specified warranty period.
1. Warranty Period: 10 years from date of Substantial Completion.

- PART 2 - PRODUCTS
- 2.1 STEEL DOOR SECTIONS
- A. Panels: Steel construction with exterior sheet, interior sheet, and core reinforcement. Form meeting rails to provide a weathertight seal joint.
1. Reinforce sections with continuous horizontal and diagonal reinforcement, as required to stiffen door for wind loading.
- B. Solid Insulated Panels: Fabricate of steel sheet and manufacturer's standard insulated assembly, with manufacturer for type of use and finish indicated, not less than 9/16 inch thick, set in continuous vinyl channel retained with rigid, snap-in, extruded-vinyl moldings or with rubber or neoprene gasketing glass with aluminum sills.
- C. Weatherseals: Replaceable, adjustable, continuous, compressible weather-stripping gaskets of flexible vinyl, rubber, or neoprene fitted to bottom and top of sectional door unless otherwise indicated.
- 2.2 TRACKS, SUPPORTS, AND ACCESSORIES
- A. Track Configuration: Standard-lift track.
- B. Tracks: Manufacturer's standard, galvanized-steel track system of configuration indicated, sized for door size and weight, designed for lift minimum 650 zinc coating. Provide complete track assembly including brackets, bracing, and reinforcement for rigid support ball-bearing roller guides for required door type and size. Slot vertical sections of track spaced 2 inches apart for door-door safety device. Slope tracks at proper angle from vertical or design track to ensure tight contact at jambs when door is in closed position.
- C. Track Reinforcement and Support: Galvanized-steel track reinforcement and support members, complying with ASTM A36/A36M and ASTM A123/A123M. Secure, reinforce, and support tracks as required for door size and weight to provide strength and rigidity without sag, sway, and vibration during opening and closing of doors.
1. Vertical Track Assembly: Track with continuous reinforcing angle attached to track and attached to wall with jamb brackets.
2. Horizontal Track Assembly: Track with continuous reinforcing angle attached to track and supported at points from curve in track to end of track by laterally braced attachments to overhead structural members.
- 2.3 HARDWARE
- A. General: Provide heavy-duty, corrosion-resistant hardware, with hot-dip galvanized, stainless-steel, or other corrosion-resistant fasteners, to suit door type.
- B. Hinges: Heavy-duty, galvanized-steel hinges of not less than 1.075-inch nominal cord thickness at each end site and at each intermediate site, according to manufacturer's written recommendations for door size. Attach hinges to door sections through stiles and rails with bolts and lock nuts or lock washers and nuts. Use nuts or self-lapping fasteners where access to nuts is not possible. Provide double-end hinges where required, for doors over 16 feet wide unless otherwise recommended by door manufacturer.
- C. Rollers: Heavy-duty rollers with steel ball-bearings in case-hardened steel races, mounted with varying projections to suit slope of track. Extend roller shaft through both hinges where double hinges are required.
- D. Push/Pull Handles: For push-up or emergency-overriding doors, provide galvanized-steel lifting handles on each side of door.
- 2.4 LOCKING DEVICES
- A. Slide Bolt: Fabricate with slide-locking bolts to engage through slots in tracks for locking by padlock, located on single-jamb side, operable from inside only.
- B. Chain Lock Keeper: Suitable for padlock.
- 2.5 COUNTERBALANCE MECHANISM
- A. Torsion Spring: Counterbalance mechanism consisting of adjustable-tension torsion springs fabricated from steel-spring wire complying with ASTM A 229/A 229M, mounted on torsion shaft made of steel tube or solid steel. Provide springs designed for number of operation cycles indicated.
- B. Cable Drums and Shaft: Cast-aluminum or gray-iron casting cable drums mounted on torsion shaft and approved to receive door-coiling cables as door is raised. Mount counterbalance mechanism with manufacturer's standard ball-bearing brackets at each end of torsion shaft. Provide one additional midpoint bracket for shafts up to 16 feet long and two additional brackets at one end of shafts to support shafts more than 16 feet long unless closer spacing is recommended by door manufacturer.
- C. Cables: Galvanized-steel lifting cables with cable safety factor of at least 1 to 1.
- D. Non-Fire-Rated Steel Doors: Provide a spring-loaded bronze cam mounted to bottom door roller assembly on each side and designed to automatically stop door if either lifting cable breaks.
- E. Bracket: Provide anchor support bracket as required to control stationary end of spring to wall and to level the shaft and prevent sag.
- F. Provide a spring bumper at each horizontal track to cushion door at end of opening operation.

- 2.6 MANUAL DOOR OPERATOR
- A. Equip door with manufacturer's recommended manual door operator unless another type of door operator is indicated.
- B. Chain-Hoist Operator: Consisting of endless steel hand chain, chain-pocket wheel and guard, and gear-reduction unit with a maximum 25-lb force for door operation. Provide alloy-steel hand chain with chain holder secured to operator guide.
- 2.7 DOOR ASSEMBLY
- A. Steel Sectional Door: Sectional door formed with hinged sections.
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
- a. Clippy Building Products; a Griffin company.
- b. Overhead Door Corporation.
- c. Raynor.
- d. Wayne-Dalton Corp.
- e. Windsor Republic Doors.
- B. Operation Cycles: Not less than 20,000.
- C. Minimum Inertial R-Value: 6.0 deg F x h x sq. ft./Btu 12 deg F x h x sq. ft./I.
- D. Steel Panel Sectional Door: Ribbed.
- E. Track Control: See Section 081113.
- F. Weatherseals: Fitted to bottom and top and around entire perimeter of door.
- G. Roller-Tire Material: Manufacturer's standard.
- H. Locking Devices: Equip door with slide bolt for padlock and chain lock keeper.
- I. Counterbalance Type: Torsion spring.
- J. Manual Door Operator: Chain-hoist operator.
- K. Door Finish:
1. Baked-Enamel or Powder-Coated Finish: White.
2. Interior Curtain-Slit Facing: Match finish of exterior curtain-slit face.
- 2.8 GENERAL FINISH REQUIREMENTS
- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Appearance of Finished Work: Noticeable variations in same place are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved samples and are assembled or installed to minimize contrast.
- 2.9 STEEL AND GALVANIZED ZINC FINISHES
- A. Baked-Enamel or Powder-Coat Finish: Manufacturer's standard baked-on finish consisting of prime coat and thermoset topcoat. Comply with coating manufacturer's written instructions for cleaning, pretreatment, application, and minimum dry film thickness.
- 3.1 EXAMINATION
- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Examine installations of electrical connections.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.
- 3.2 INSTALLATION
- A. Install sectional doors and operating equipment complete with necessary hardware, anchors, inserts, hangers, and equipment supports, according to manufacturer's written instructions and as specified.
- B. Tracks:
1. Fasten vertical track assembly to opening jambs and framing, spaced not more than 24 inches apart.
2. Hang horizontal track assembly from structural overhead framing with angles or channel hangers attached to framing by welding or bolting, or both. Provide sway bracing, diagonal bracing, and reinforcement as required for rigid installation of track and door-operating equipment.
3. Repair galvanized coating on tracks according to ASTM A780.
- C. Manufacturer's Instructions: Install sectional doors, switches, and controls along accessible routes in compliance with regulatory requirements for accessibility.
- 3.3 ADJUSTING
- A. Adjust hardware and moving parts to function smoothly so that doors operate easily, free of warp, twist, or distortion.
- B. Lubricate bearings and sliding parts as recommended by manufacturer.
- C. Adjust doors and seals to provide weathertight fit around entire perimeter.
- D. Adjust motors and rollers in writing by type and glass manufacturers for application indicated; and complying with ASTM C1281 and AAMA 800 for products indicated below.
1. AAMA 804.3 tape, where indicated.
2. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.
3. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.
- 3.4 DEMONSTRATION
- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain sectional doors.
- END OF SECTION 08310

- SECTION 08800 - GLAZING
- PART 1 - GENERAL
- 1.1 SUMMARY
- A. Section Includes:
1. Glass for doors.
2. Glazing sealants and accessories.
- 1.2 COORDINATION
- A. Coordinate glazing channel dimensions to provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances.
- 1.3 ACTION SUBMITTALS
- A. Product Data: For each type of product.
- B. Glass Samples: For each type of glass product other than clear monolithic vision glass; 12 inches square.
- C. Glazing Schedule: List glass types and thicknesses for each size opening and location. Use same designations indicated on Drawings.
- 1.4 INFORMATIONAL SUBMITTALS
- A. Preconstruction adhesion and compatibility test report.
- 1.5 QUALITY ASSURANCE
- A. Sealant Testing Agency Qualifications: An independent testing agency qualified according to ASTM C1021 to conduct the testing indicated.
- 1.6 PRECONSTRUCTION TESTING
- A. Preconstruction Adhesion and Compatibility Testing: Test each glass product, tape Subject to compliance with requirements, provide products by one of the following:
1. Testing is required if data are submitted based on previous testing of current sealant products and glazing materials matching those submitted.
- 1.7 WARRANTY
- A. Manufacturer's Special Warranty for Coated-Glass Products: Manufacturer agrees to replace coated-glass units that deteriorate within specified warranty period. Deterioration of glass is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning laminated glass contrary to manufacturer's written instructions. Defects include peeling, cracking, and other indications of deterioration in coating.
1. Warranty Period: 10 years from date of Substantial Completion.
- B. Manufacturer's Special Warranty for Laminated Glass: Manufacturer agrees to replace laminated-glazing glass units that deteriorate within specified warranty period. Deterioration of laminated glass is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning laminated glass contrary to manufacturer's written instructions. Defects include edge separation, delamination materially obstructing vision through glass, and delaminations exceeding those allowed by referenced laminated-glass standard.
1. Warranty Period: 10 years from date of Substantial Completion.
- 2.1 MANUFACTURERS
- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. Guardian Industries Corp.
2. Cardinal Glass Industries.
3. Truitt Glass & Aluminum Solutions, LLC.
4. AGC Glass Company North America.
5. Viracon, Inc.
- 2.2 PERFORMANCE REQUIREMENTS
- A. Structural Performance: Glazing shall withstand the following design loads within limits and under conditions indicated determined according to the International Building Code and ASTM E1103.
1. Thickness of Patterned Glass: Base design of patterned glass on thickness at thinnest part of the glass.
2. Differential Shading: Design glass to resist thermal stresses induced by differential shading within individual glass lites.
3. Safety Glazing: Where safety glazing is indicated, provide glazing that complies with 16 CFR 1021, Category II.
- 2.3 GLASS PRODUCTS, GENERAL
- A. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below unless more stringent requirements are indicated. Use these publications for glazing terms not otherwise defined in this Section or in referenced standards.
1. GANA Publications: "Laminated Glazing Reference Manual" and "Glazing Manual."
2. IGMA Publication for Insulating Glass: SIGMA TM-3000, "North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial and Residential Use."
- B. 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 or manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.
- C. Thickness: Where glass thickness is indicated, it is a minimum. Provide glass that complies with performance requirements and is not less than the thickness indicated.
- D. Strength: Where annealed float glass is indicated, provide annealed float glass, heat-strengthened float glass, or fully tempered float glass as needed to comply with "Performance Requirements" Article. Where heat-strengthened float glass is indicated, provide heat-strengthened float glass or fully tempered float glass as needed to comply with "Performance Requirements" Article. Where fully tempered float glass is indicated, provide fully tempered float glass.
- 2.4 GLASS PRODUCTS
- A. Fully Tempered Float Glass: ASTM C1048, Kind F1 (fully tempered), Condition A (annealed), unless otherwise indicated. Type I, Class 1 (clear) or Class 2 (tinted) as indicated. Quality-Q3, and complying with Specification No. 95-1-31 in GANA's "Engineering Standards Manual."
- B. Ceramic-Coated Vision Glass: ASTM C1048, Condition C, Type I, Class 1 (clear) or Class 2 (tinted) as indicated. Quality-Q3, and complying with Specification No. 95-1-31 in GANA's "Engineering Standards Manual."
- 2.5 LAMINATED GLASS
- A. Windborne-Debris-Impact-Resistant Laminated Glass: ASTM C 1172, and complying with testing requirements in 16 CFR 1201 for Category II materials, with "Windborne-Debris-Impact Resistance" Paragraph in "Performance Requirements" Article, and with other requirements specified. Use materials that have a proven record of no tendency to bubble, discolor, or lose physical and mechanical properties after fabrication and installation.
1. Construction: Laminated glass is one of the following to comply with interlayer manufacturer's written recommendations:
- a. Polyvinyl butyral interlayer.
- b. Polyvinyl butyral interlayers reinforced with polyethylene terephthalate film.
- c. Longest interlayer.
- d. Cast-in-place and cured-transparent-resin interlayer reinforced with polyethylene terephthalate film.
2. Interlayer Thickness: Provide thickness not less than that indicated and as needed to comply with requirements.
3. Interlayer Color: Clear unless otherwise indicated.
- 2.6 GLAZING SEALANTS
- A. General:
1. Compatibility: Compatible with one another and with other materials they contact, including glass products, seals of insulating-glass units, and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
2. Suitability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.
3. Colors of Exposed Glazing Sealants: As selected by Architect from manufacturer's full range.
- B. Glazing Sealant:
1. Neutral-curing silicone glazing sealant complying with ASTM C920, Type S, Grade NS, Class 100/50, Use NT.
2. Products: Subject to compliance with requirements, provide the following:
- a. Dow Corning Corporation; 790
- b. GE Advanced Materials - Silicones; SilPruf LM SC52700
- c. May National Associates, Inc.; Bondflex SII 280
- d. Pecora Corporation; 890
- e. Sika Corporation, Construction Products Division; SikaSil-C990
- f. Tremco Incorporated; Spectrum
- C. Back-Bedding Mastic Glazing Tapes: Preformed, butyl-based, 100 percent solids elastomeric tape, nonstaining and nonmigrating in contact with porous surfaces, with member ends not as recommended in writing by tape and glass manufacturers for application indicated; and complying with ASTM C1281 and AAMA 800 for products indicated below.
1. AAMA 804.3 tape, where indicated.
2. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.
3. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.
- D. Expanded Cellular Glazing Tapes: Closed-cell, PVC foam tapes; factory coated with adhesive on both surfaces; and complying with AAMA 800 for the following types:
1. AAMA 810.1, Type 1, for glazing applications in which tape acts as the primary sealant.
2. AAMA 810.1, Type 2, for glazing applications in which tape is used in combination with a full bead of liquid sealant.
- 2.8 MISCELLANEOUS GLAZING MATERIALS
- A. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.
- B. Setting Blocks:
1. Elastomeric with a Shore A durometer hardness of 85, plus or minus 5.
2. Type recommended by sealant or glass manufacturer.
- C. Spacers:
1. Elastomeric: blocks or continuous extrusions of hardness required by glass manufacturer to maintain glass lites in place for installation indicated.
2. Type recommended by sealant or glass manufacturer.
- D. Edge Blocks:
1. Elastomeric with a Shore A durometer hardness per manufacturer's written instructions.
2. Type recommended by sealant or glass manufacturer.
- E. Cylindrical Glazing Sealant Backings: ASTM C1330, Type O (open-cell material), of size and density to control glazing sealant depth and otherwise provide optimum glazing sealant performance.
- 3.1 GLAZING, GENERAL
- A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, with glass and gasket stringent requirements are indicated, including those in referenced glazing publications.
- B. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of Project site. Damaged glass includes glass with edge damage or other imperfections that, when installed, could weaken glass, impair performance, or impair appearance.
- C. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction testing.
- D. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise indicated, and glass-framing member for adhesion to and compatibility with elastomeric glazing sealants.
1. Testing is required if data are submitted based on previous testing of current sealant products and glazing materials matching those submitted.
- 3.2 TAPE GLAZING
- A. Position tapes on fixed stops so that, when compressed by glass, their exposed edges are flush or protrude slightly above sightline of stops.
- B. Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.
- C. Cover vertical framing joints by applying tapes to heads and sills first, then to jambs. Cover horizontal framing joints by applying tapes to jambs, then heads and sills.
- D. Place joints in tapes at corners of opening with adjoining lites butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.
- E. Apply heel bead of elastomeric sealant.
- F. Center heel lites in openings on setting blocks, and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.
- G. Apply cap bead of elastomeric sealant over exposed edge of tape.
- 3.3 GASKET GLAZING (DRY)
- A. Cut compression gaskets to lengths recommended by gasket manufacturer to fit openings exactly, with allowance for stretch during installation.
- B. Insert soft compression gasket between glass and frame or fixed stop so it is securely in place with joints miter cut and bonded together at corners.
- C. Installation with Drive-In Wedge Gaskets: Center glass lites in openings on setting blocks, and press firmly against soft compression gasket by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.
- D. Installation with Pressure-Glazing Stops: Center glass lites in openings on setting blocks and press firmly against soft compression gasket. Install dense compression gaskets and pressure-glazing stops, applying pressure uniformly to compression gaskets. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.
- E. Install gaskets so they protrude past face of glazing stops.

- SECTION 08800 - GLAZING
- PART 1 - GENERAL
- 1.1 SUMMARY
- A. Section Includes:
1. Glass for doors.
2. Glazing sealants and accessories.
- 1.2 COORDINATION
- A. Coordinate glazing channel dimensions to provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances.
- 1.3 ACTION SUBMITTALS
- A. Product Data: For each type of product.
- B. Glass Samples: For each type of glass product other than clear monolithic vision glass; 12 inches square.
- C. Glazing Schedule: List glass types and thicknesses for each size opening and location. Use same designations indicated on Drawings.
- 1.4 INFORMATIONAL SUBMITTALS
- A. Preconstruction adhesion and compatibility test report.
- 1.5 QUALITY ASSURANCE
- A. Sealant Testing Agency Qualifications: An independent testing agency qualified according to ASTM C1021 to conduct the testing indicated.
- 1.6 PRECONSTRUCTION TESTING
- A. Preconstruction Adhesion and Compatibility Testing: Test each glass product, tape Subject to compliance with requirements, provide products by one of the following:
1. Testing is required if data are submitted based on previous testing of current sealant products and glazing materials matching those submitted.
- 1.7 WARRANTY
- A. Manufacturer's Special Warranty for Coated-Glass Products: Manufacturer agrees to replace coated-glass units that deteriorate within specified warranty period. Deterioration of glass is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning laminated glass contrary to manufacturer's written instructions. Defects include peeling, cracking, and other indications of deterioration in coating.
1. Warranty Period: 10 years from date of Substantial Completion.
- B. Manufacturer's Special Warranty for Laminated Glass: Manufacturer agrees to replace laminated-glazing glass units that deteriorate within specified warranty period. Deterioration of laminated glass is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning laminated glass contrary to manufacturer's written instructions. Defects include edge separation, delamination materially obstructing vision through glass, and delaminations exceeding those allowed by referenced laminated-glass standard.
1. Warranty Period: 10 years from date of Substantial Completion.
- 2.1 MANUFACTURERS
- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. Guardian Industries Corp.
2. Cardinal Glass Industries.
3. Truitt Glass & Aluminum Solutions, LLC.
4. AGC Glass Company North America.
5. Viracon, Inc.
- 2.2 PERFORMANCE REQUIREMENTS
- A. Structural Performance: Glazing shall withstand the following design loads within limits and under conditions indicated determined according to the International Building Code and ASTM E1103.
1. Thickness of Patterned Glass: Base design of patterned glass on thickness at thinnest part of the glass.
2. Differential Shading: Design glass to resist thermal stresses induced by differential shading within individual glass lites.
3. Safety Glazing: Where safety glazing is indicated, provide glazing that complies with 16 CFR 1021, Category II.
- 2.3 GLASS PRODUCTS, GENERAL
- A. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below unless more stringent requirements are indicated. Use these publications for glazing terms not otherwise defined in this Section or in referenced standards.
1. GANA Publications: "Laminated Glazing Reference Manual" and "Glazing Manual."
2. IGMA Publication for Insulating Glass: SIGMA TM-3000, "North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial and Residential Use."
- B. 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 or manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.
- C. Thickness: Where glass thickness is indicated, it is a minimum. Provide glass that complies with performance requirements and is not less than the thickness indicated.
- D. Strength: Where annealed float glass is indicated, provide annealed float glass, heat-strengthened float glass, or fully tempered float glass as needed to comply with "Performance Requirements" Article. Where heat-strengthened float glass is indicated, provide heat-strengthened float glass or fully tempered float glass as needed to comply with "Performance Requirements" Article. Where fully tempered float glass is indicated, provide fully tempered float glass.
- 2.4 GLASS PRODUCTS
- A. Fully Tempered Float Glass: ASTM C1048, Kind F1 (fully tempered), Condition A (annealed), unless otherwise indicated. Type I, Class 1 (clear) or Class 2 (tinted) as indicated. Quality-Q3, and complying with Specification No. 95-1-31 in GANA's "Engineering Standards Manual."
- B. Ceramic-Coated Vision Glass: ASTM C1048, Condition C, Type I, Class 1 (clear) or Class 2 (tinted) as indicated. Quality-Q3, and complying with Specification No. 95-1-31 in GANA's "Engineering Standards Manual."
- 2.5 LAMINATED GLASS
- A. Windborne-Debris-Impact-Resistant Laminated Glass: ASTM C 1172, and complying with testing requirements in 16 CFR 1201 for Category II materials, with "Windborne-Debris-Impact Resistance" Paragraph in "Performance Requirements" Article, and with other requirements specified. Use materials that have a proven record of no tendency to bubble, discolor, or lose physical and mechanical properties after fabrication and installation.
1. Construction: Laminated glass is one of the following to comply with interlayer manufacturer's written recommendations:
- a. Polyvinyl butyral interlayer.
- b. Polyvinyl butyral interlayers reinforced with polyethylene terephthalate film.
- c. Longest interlayer.
- d. Cast-in-place and cured-transparent-resin interlayer reinforced with polyethylene terephthalate film.
2. Interlayer Thickness: Provide thickness not less than that indicated and as needed to comply with requirements.
3. Interlayer Color: Clear unless otherwise indicated.
- 2.6 GLAZING SEALANTS
- A. General:
1. Compatibility: Compatible with one another and with other materials they contact, including glass products, seals of insulating-glass units, and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
2. Suitability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.
3. Colors of Exposed Glazing Sealants: As selected by Architect from manufacturer's full range.
- B. Glazing Sealant:
1. Neutral-curing silicone glazing sealant complying with ASTM C920, Type S, Grade NS, Class 100/50, Use NT.
2. Products: Subject to compliance with requirements, provide the following:
- a. Dow Corning Corporation; 790
- b. GE Advanced Materials - Silicones; SilPruf LM SC52700
- c. May National Associates, Inc.; Bondflex SII 280
- d. Pecora Corporation; 890
- e. Sika Corporation, Construction Products Division; SikaSil-C990
- f. Tremco Incorporated; Spectrum
- C. Back-Bedding Mastic Glazing Tapes: Preformed, butyl-based, 100 percent solids elastomeric tape, nonstaining and nonmigrating in contact with porous surfaces, with member ends not as recommended in writing by tape and glass manufacturers for application indicated; and complying with ASTM C1281 and AAMA 800 for products indicated below.
1. AAMA 804.3 tape, where indicated.
2. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.
3. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.
- D. Expanded Cellular Glazing Tapes: Closed-cell, PVC foam tapes; factory coated with adhesive on both surfaces; and complying with AAMA 800 for the following types:
1. AAMA 810.1, Type 1, for glazing applications in which tape acts as the primary sealant.
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- 2.8 MISCELLANEOUS GLAZING MATERIALS
- A. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.
- B. Setting Blocks:
1. Elastomeric with a Shore A durometer hardness of 85, plus or minus 5.
2. Type recommended by sealant or glass manufacturer.
- C. Spacers:
1. Elastomeric: blocks or continuous extrusions of hardness required by glass manufacturer to maintain glass lites in place for installation indicated.
2. Type recommended by sealant or glass manufacturer.
- D. Edge Blocks:
1. Elastomeric with a Shore A durometer hardness per manufacturer's written instructions.
2. Type recommended by sealant or glass manufacturer.
- E. Cylindrical Glazing Sealant Backings: ASTM C1330, Type O (open-cell material), of size and density to control glazing sealant depth and otherwise provide optimum glazing sealant performance.
- 3.1 GLAZING, GENERAL
- A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, with glass and gasket stringent requirements are indicated, including those in referenced glazing publications.
- B. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of Project site. Damaged glass includes glass with edge damage or other imperfections that, when installed, could weaken glass, impair performance, or impair appearance.
- C. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction testing.
- D. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise indicated, and glass-framing member for adhesion to and compatibility with elastomeric glazing sealants.
1. Testing is required if data are submitted based on previous testing of current sealant products and glazing materials matching those submitted.
- 3.2 TAPE GLAZING
- A. Position tapes on fixed stops so that, when compressed by glass, their exposed edges are flush or protrude slightly above sightline of stops.
- B. Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.
- C. Cover vertical framing joints by applying tapes to heads and sills first, then to jambs. Cover horizontal framing joints by applying tapes to jambs, then heads and sills.
- D. Place joints in tapes at corners of opening with adjoining lites butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.
- E. Apply heel bead of elastomeric sealant.
- F. Center heel lites in openings on setting blocks, and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.
- G. Apply cap bead of elastomeric sealant over exposed edge of tape.
- 3.3 GASKET GLAZING (DRY)
- A. Cut compression gaskets to lengths recommended by gasket manufacturer to fit openings exactly, with allowance for stretch during installation.
- B. Insert soft compression gasket between glass and frame or fixed stop so it is securely in place with joints miter cut and bonded together at corners.
- C. Installation with Drive-In Wedge Gaskets: Center glass lites in openings on setting blocks, and press firmly against soft compression gasket by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.
- D. Installation with Pressure-Glazing Stops: Center glass lites in openings on setting blocks and press firmly against soft compression gasket. Install dense compression gaskets and pressure-glazing stops, applying pressure uniformly to compression gaskets. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.
- E. Install gaskets so they protrude past face of glazing stops.

- 3.4 SEALANT GLAZING (WET)
- A. Install continuous spacers, or spacers combined with cylindrical sealant backing, between glass lites and

THE LINE SHOWN ABOVE IS EXACTLY ONE FOOT ABOVE THE FINISH FLOOR AND SHALL BE USED FOR ALL DIMENSIONS UNLESS OTHERWISE NOTED.

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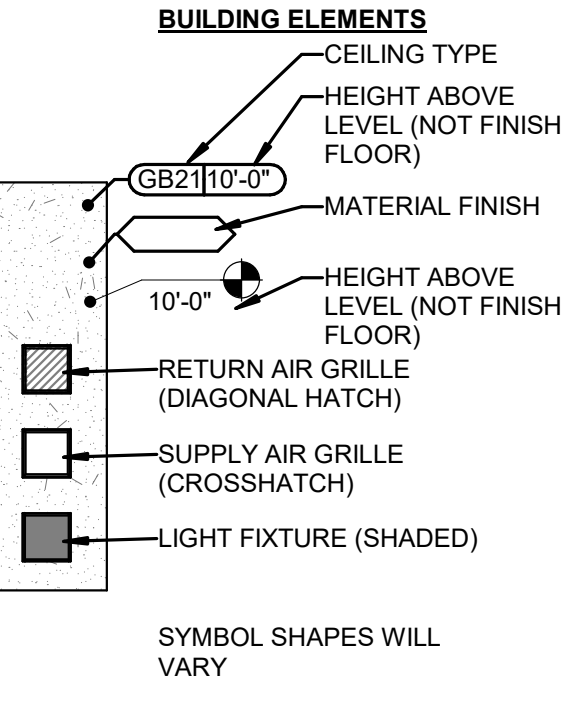
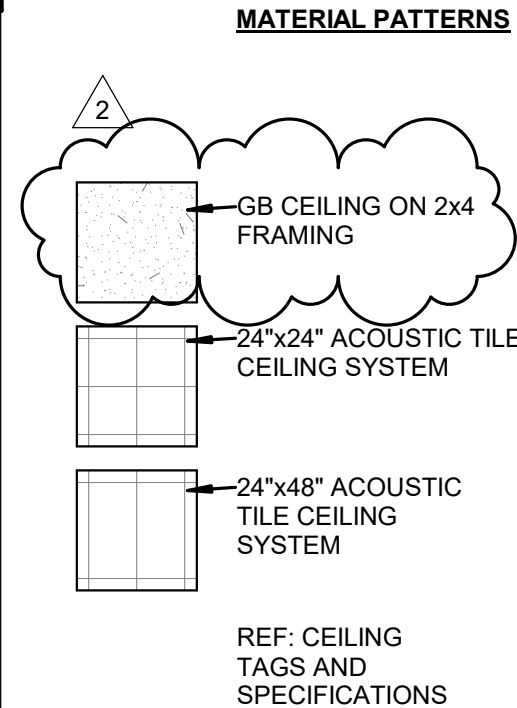
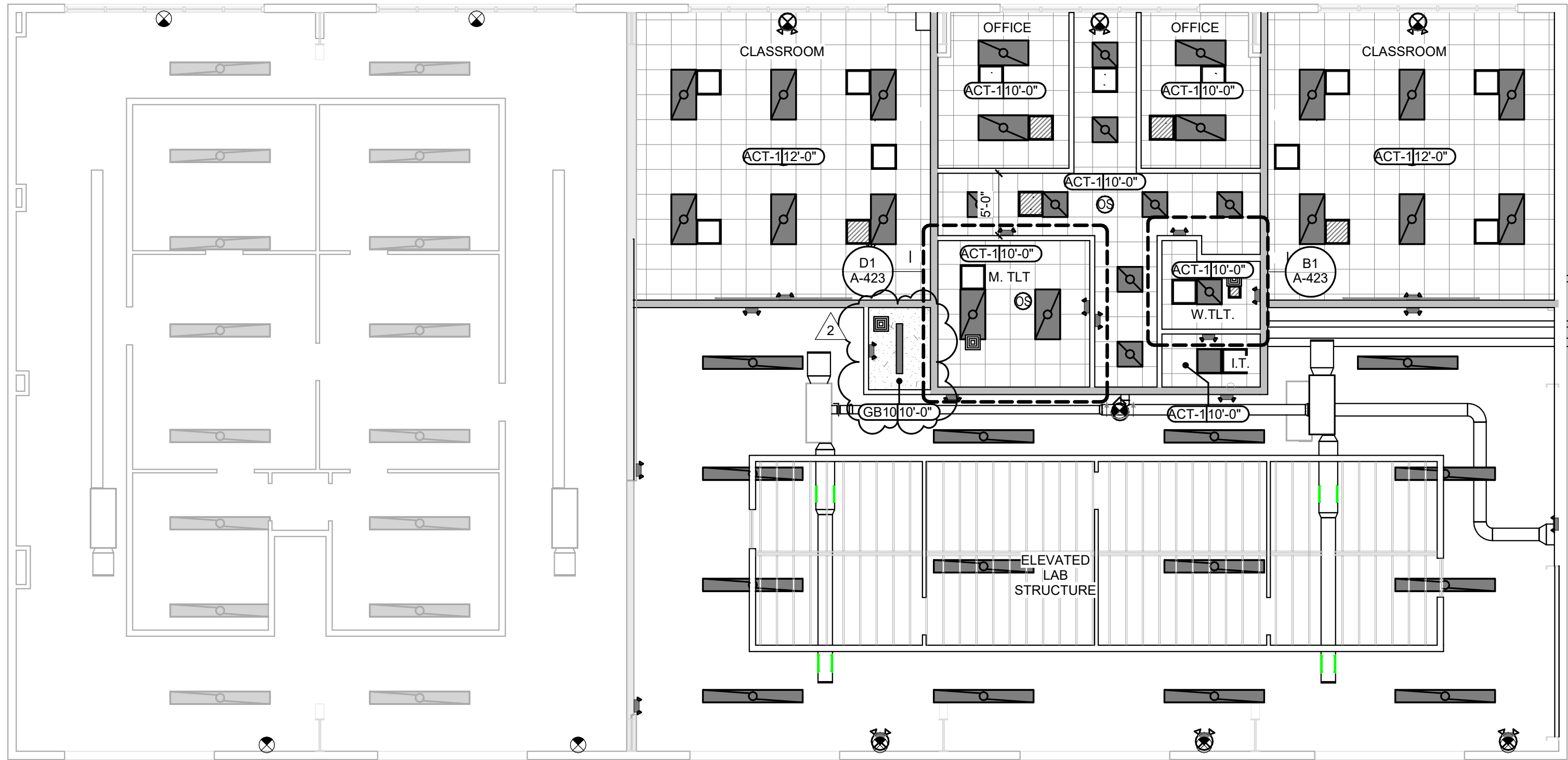
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#	RCP NOTES BY NUMBER
NUMBER	NOTE

RCP LEGEND

REFLECTED CEILING PLAN SHEET NOTES



- A. PROVIDE SEISMIC RESTRAINT OF SUSPENDED CEILING SYSTEMS IN SITE CLASSIFICATIONS C, D, E & F.
- B. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
- C. CEILING GRID/TILES TO BE CENTERED IN ALL ROOMS UNLESS NOTED OTHERWISE. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6" IN EITHER DIMENSION. OVERSIZED TILES SHALL BE INSTALLED WHERE TILES UNDER 6" OCCUR.
- D. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
- E. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS. (LIGHTING AND HVAC DIFFUSERS ARE SHOWN FOR COORDINATION ONLY - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SPECIFIC INFORMATION).
- F. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPRINKLER HEADS, SPEAKERS, FIRE ALARM HORNS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN SIMILAR ITEMS ALONG A COMMON AXIS.
- G. LOCATE MECHANICAL GRILLES AND DIFFUSERS SHOWN IN CORNERS OR NEAR WALL TO 12" OFF WALL, UNO.
- H. PROVIDE AND INSTALL CEILING ACCESS PANEL IN GYPSUM BOARD CEILINGS AT DEVICES REQUIRING ACCESS INCLUDING BUT NOT LIMITED TO BALANCING DAMPERS, SMOKE DETECTORS, VAV CONTROLS, PLUMBING VALVES, ELECTRICAL JUNCTION BOXES, ETC. MINIMIZE ACCESS DOORS WHERE POSSIBLE.
- I. HEIGHT OF GYPSUM BOARD SOFFITS SHALL BE 1" BELOW HEIGHT OF ADJACENT CEILING(TYP) UNLESS NOTED OTHERWISE.
- J. TOUCH-UP PAINT EXPOSED EDGES OF CUT ACOUSTICAL CEILING TILE TO MATCH SURFACE(TYP).
- K. INDIVIDUAL TRADE COMPONENTS, INCLUDING BUT NOT LIMITED TO LIGHT FIXTURE WHIPS, FLEXIBLE FIRE PROTECTION PIPING, LOW VOLTAGE WIRING, ETC. SHALL NOT BE SUPPORTED BY ACOUSTICAL CEILING SYSTEM.

PARTITION GRAPHICS

- GRAPHIC SAMPLE: NON - RATED PARTITION TO DECK:
- IRWD
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION
- COLOR LEGEND
- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK

#	FLOOR PLAN NOTES BY NUMBER
NUMBER	NOTE

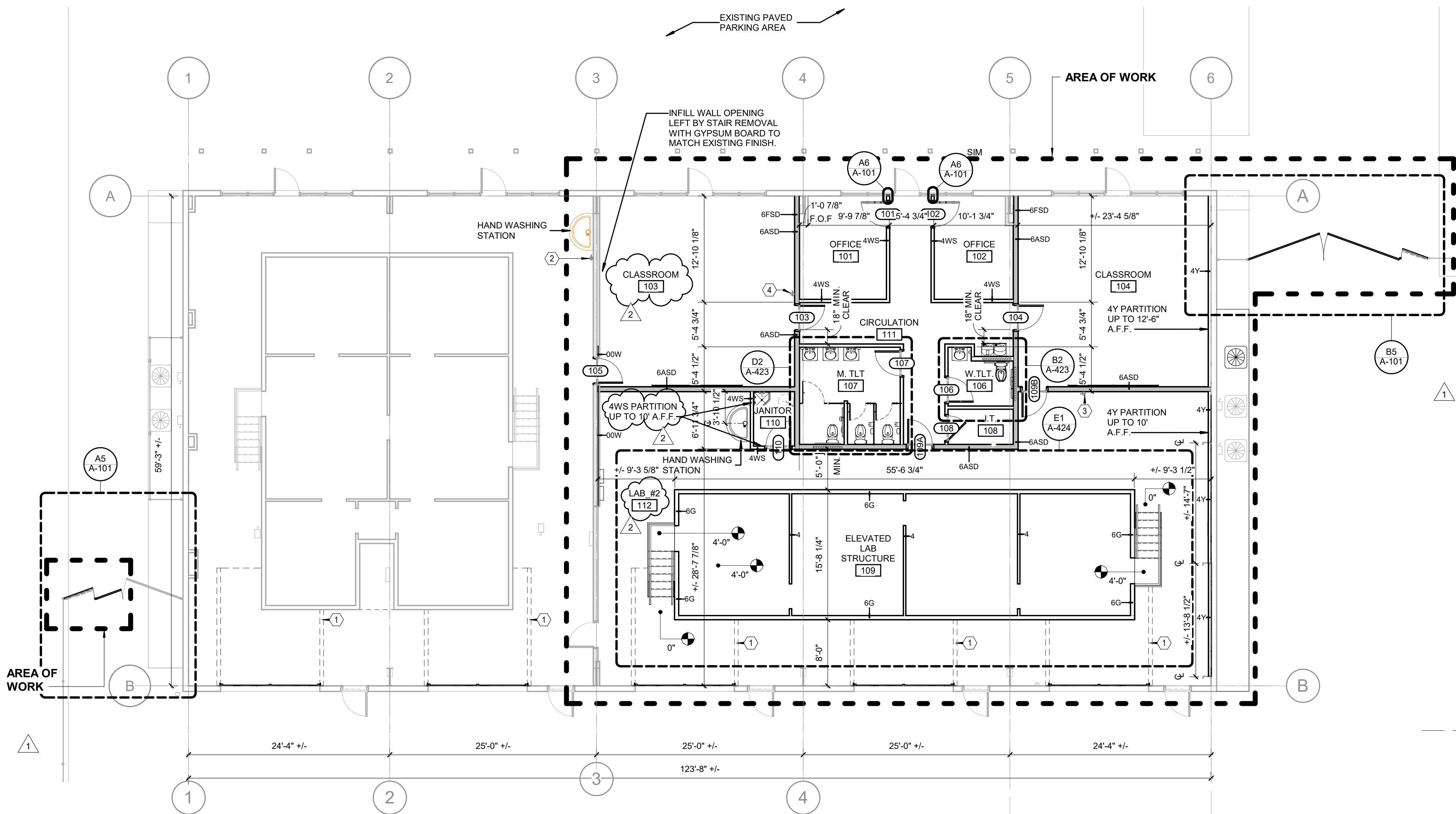
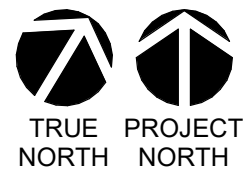
1. NEW INSULATED OVERHEAD DOOR APPROX. 12' H x 12' W, GC TO CONFIRM EXISTING OPENING SIZE.
2. EXISTING RELOCATED FIRE EXTINGUISHER, GC TO PROVIDE NEW WALL HOOK
3. EXISTING RELOCATED FIRE EXTINGUISHER WITH WALL-MOUNT HOOK
4. NEW WALL-MOUNTED FIRE EXTINGUISHER
5. EXISTING FENCING OR GATE TO REMAIN
6. NEW 6' HIGH PEDESTRIAN EGRESS CHAIN-LINK SWING GATE. MINIMUM GATE WIDTH TO BE 3'-0" CLEAR OPENING WIDTH, UNLESS OTHERWISE NOTED. PROVIDE 3-STRANDS OF BARBED-WIRE OVER GATE TO MATCH EXISTING. PROVIDE EXTERIOR-RATED EMERGENCY EGRESS PANIC BAR WITH LOCKING LATCH AND SELF-CLOSING LIFT-OFF HINGES WELDED TO POST SIMILAR TO GRAINGER NARROW-PROFILE WELD-ON LIFT-OFF HINGES, NCMMASTER-CARR BULLET HINGES OR APPROVED EQUAL.
7. NEW CHAIN-LINK SWING GATE TO MATCH EXISTING IN BUILD AND HEIGHT, GATE WIDTH AS REQUIRED TO FILL OPENING.
8. NEW PEDESTRIAN EGRESS GATE TO PROVIDE MIN. 36" CLEAR FROM EDGE OF CONCRETE.
9. EXISTING ELECTRICAL METERS AND WALL MOUNTED EQUIPMENT TO REMAIN
10. EXISTING CONCRETE DRIVE TO REMAIN
11. EDGE OF CONCRETE
12. EXISTING GATE POST TO REMAIN
13. NEW GATE POST SET IN CONCRETE FOOTING

FLOOR PLAN SHEET NOTES

- A. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
- B. LOCATE DOOR OPENINGS 4" FROM NEAREST PERPENDICULAR WALL.
- C. RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE. ALL PENETRATIONS AND TERMINAL JOINTS ARE TO BE INSTALLED AS SHOWN IN APPLICABLE UL JOINT OR PENETRATION DETAIL.
- D. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.
- E. RATED WALLS INTERSECTING EXTERIOR WALLS SHALL EXTEND TO THE INSIDE FACE OF EXTERIOR SHEATHING.
- F. INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, TRM, AND RELATED CONSTRUCTION.
- G. SEE LIFE SAFETY PLANS FOR LOCATIONS OF FIRE RATED AND SMOKE WALLS.
- H. SEE SHEET A-004 FOR CONSTRUCTION SUBSYSTEMS (OR PARTITION SCHEDULE)
- I. SEE SHEET A-423 & A-424 FOR INTERIOR ELEVATIONS, ACCESSORY DESCRIPTIONS & MOUNTING HEIGHTS.
- J. FIELD VERIFY LOCATION OF INTERIOR WALL & CEILING CONTROL JOINTS REQUIRED IN THE SPECIFICATION WITH ARCHITECT PRIOR TO INSTALLATION.
- K. WALLS, INCLUDING GYP. BD. AT PERIMETER OF ROOMS/SPACES WITHOUT CEILINGS, I.E. EXPOSED STRUCTURE, SHALL EXTEND TO STRUCTURE ABOVE.

C1 RCP- LEVEL 1

1/8" = 1'-0"

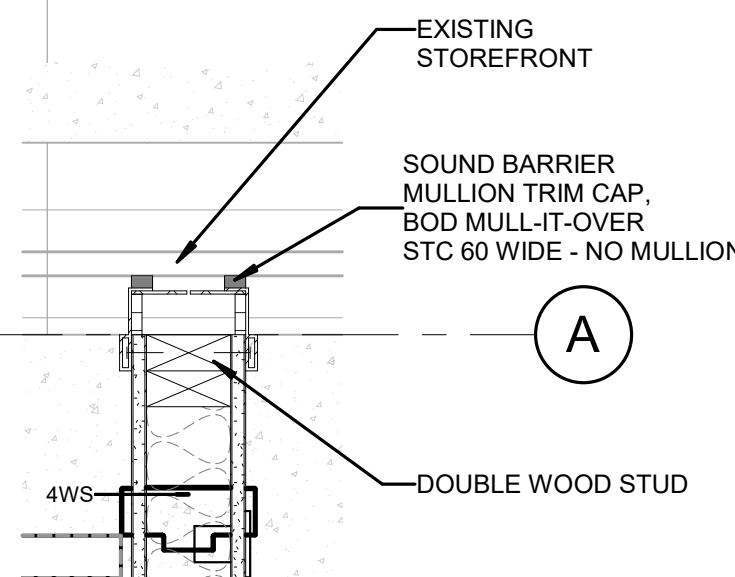


A1 FLOOR PLAN- LEVEL 1

1/8" = 1'-0"

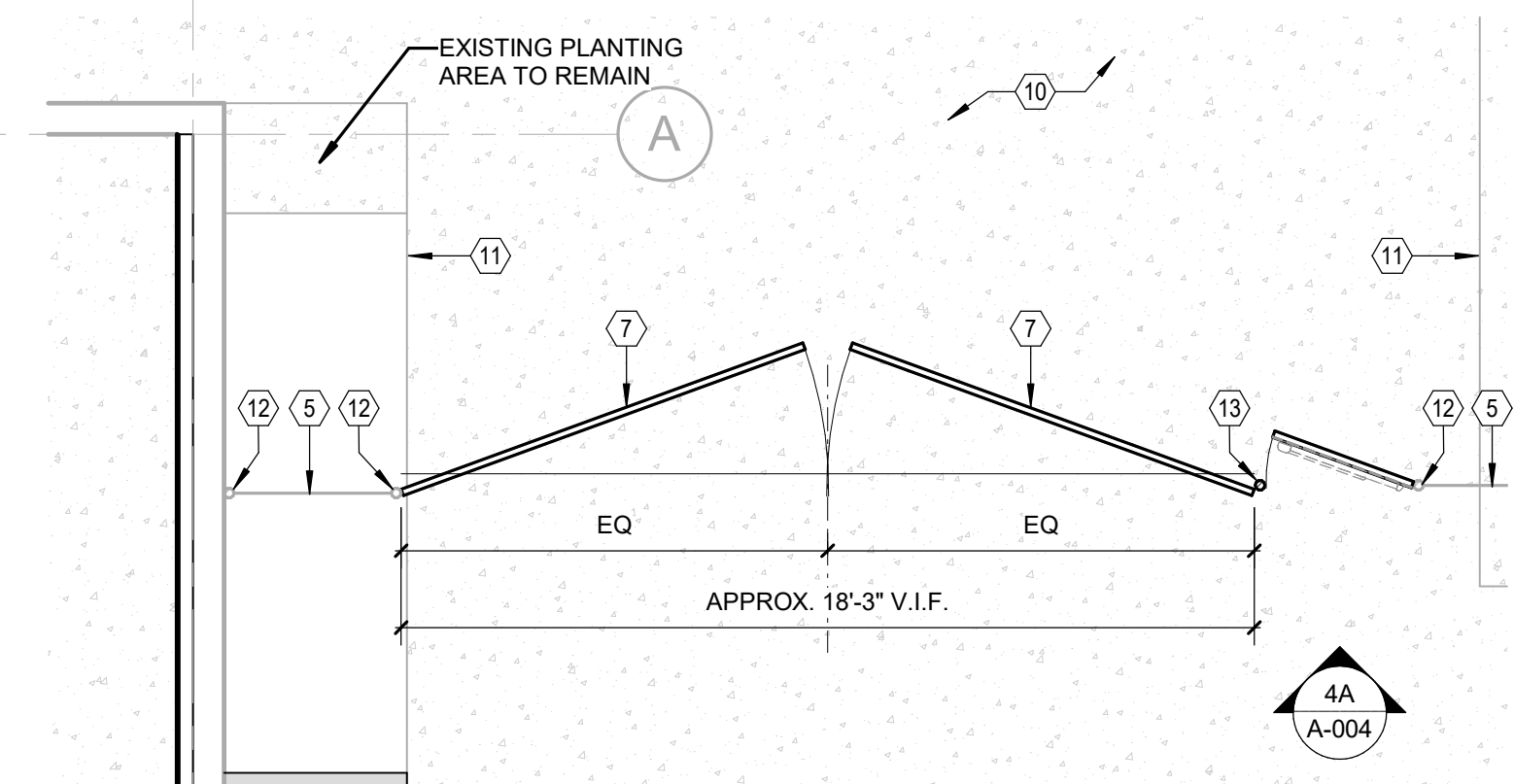
A6 PARTITION DETAIL @ EXISTING STOREFRONT

1 1/2" = 1'-0"



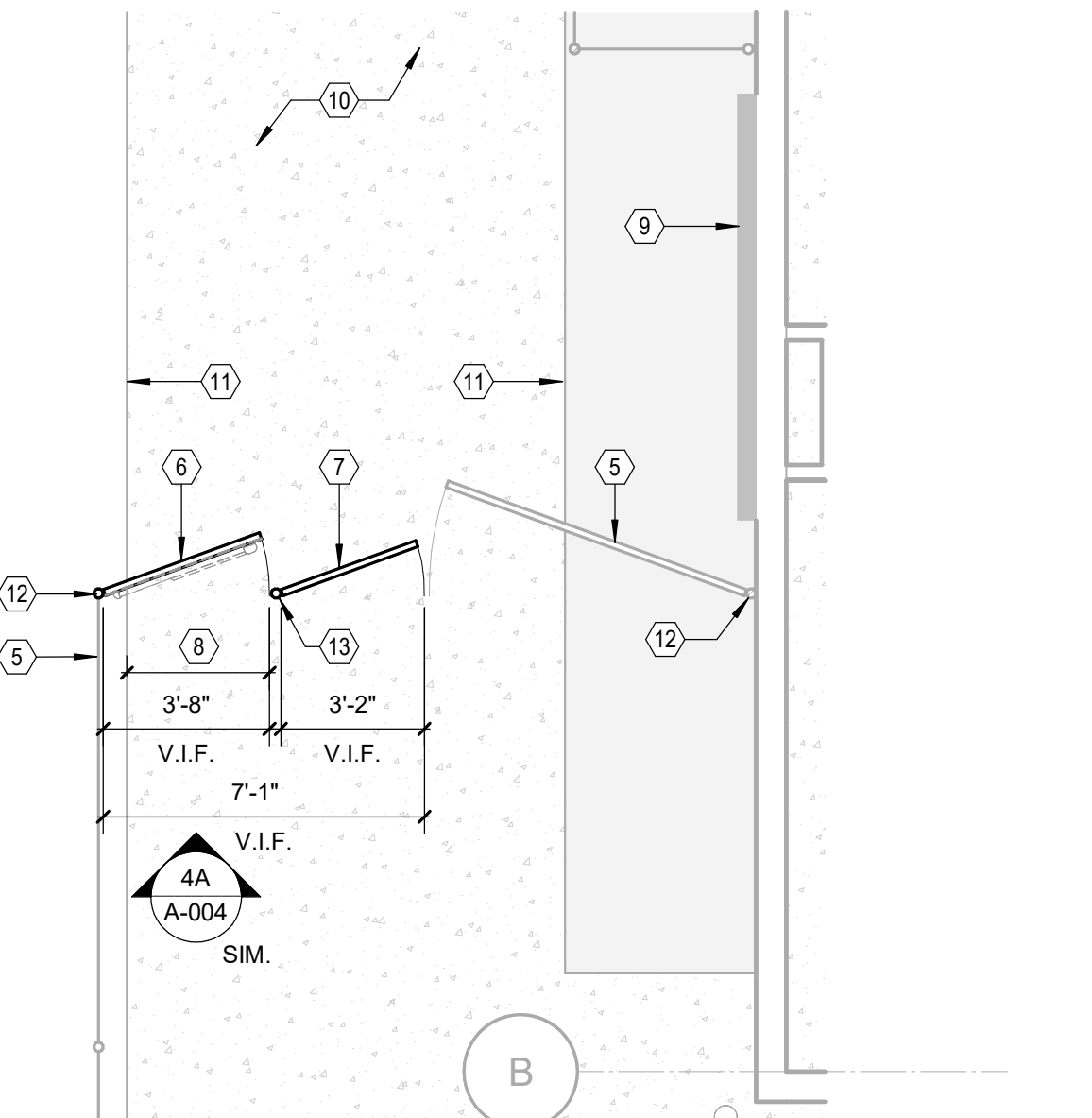
B5 ENLARGED PARTIAL PLAN - NORTHEAST GATE

1/4" = 1'-0"



A5 ENLARGED PARTIAL PLAN - SOUTHWEST GATE

1/4" = 1'-0"



#	DATE	DESCRIPTION
0	2026.05.01	PERMIT SET
1	2026.08.19	PERMIT REVISIONS
2	2026.09.10	ADDENDUM #1

THE LINE DRAWING ABOVE IS EXACTLY ONE COPY OF THE ORIGINAL DRAWING. IT IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION FROM LS3P ASSOCIATES LTD.

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ARCH- DOOR SCHEDULE- CORE AND SHELL

DOOR		DOOR PANELS					DOOR FRAME				DOOR DETAILS				COMMENTS
NUMBER	PANEL TYPE(S)	PANEL WIDTH(S)	HEIGHT	THICKNESS	FINISH 1	TYPE	WIDTH	HEIGHT	FACE DIMENSIONS		FINISH 1	HEAD	JAMB	HW SET	
									JAMB WIDTH	HEAD HEIGHT					
LEVEL 1															
101	PNL.N.HM	3'-0"	7'-0"	1 3/4"	PNT-1	FRM.001.HM1	3'-0"	7'-0"	2"	2"	PNT-1	D2/ A-651	D3/ A-651	2	
102	PNL.N.HM	3'-0"	7'-0"	1 3/4"	PNT-1	FRM.001.HM1	3'-0"	7'-0"	2"	2"	PNT-1	D2/ A-651	D3/ A-651	2	
103	PNL.N.HM	3'-0"	7'-0"	1 3/4"	PNT-1	FRM.001.HM1	3'-0"	7'-0"	2"	2"	PNT-1	D2/ A-651	D3/ A-651	1	
104	PNL.N.HM	3'-0"	7'-0"	1 3/4"	PNT-1	FRM.001.HM1	3'-0"	7'-0"	2"	2"	PNT-1	D2/ A-651	D3/ A-651	1	
105	PNL.N.HM	3'-0"	7'-0"	1 3/4"	PNT-1	FRM.001.HM1	3'-0"	7'-0"	2"	2"	PNT-1	D2/ A-651	D3/ A-651	1	
106	PNL.F.HM	3'-0"	7'-0"	1 3/4"	PNT-1	FRM.001.HM1	3'-0"	7'-0"	2"	2"	PNT-1	D2/ A-651	D3/ A-651	4	
107	PNL.F.HM	3'-0"	7'-0"	1 3/4"	PNT-1	FRM.001.HM1	3'-0"	7'-0"	2"	2"	PNT-1	D2/ A-651	D3/ A-651	3	
108	PNL.F.HM	3'-0"	7'-0"	1 3/4"	PNT-1	FRM.001.HM1	3'-0"	7'-0"	2"	2"	PNT-1	D2/ A-651	D3/ A-651	5	
109A	PNL.N.HM	3'-0"	7'-0"	1 3/4"	PNT-1	FRM.001.HM1	3'-0"	7'-0"	2"	2"	PNT-1	D2/ A-651	D3/ A-651	1	
109B	PNL.N.HM	3'-0"	7'-0"	1 3/4"	PNT-1	FRM.001.HM1	3'-0"	7'-0"	2"	2"	PNT-1	D2/ A-651	D3/ A-651	1	
110	PNL.F.HM	3'-0"	7'-0"	1 3/4"	PNT-1	FRM.001.HM1	3'-0"	7'-0"	2"	2"	PNT-1	D2/ A-651	D3/ A-651	5	

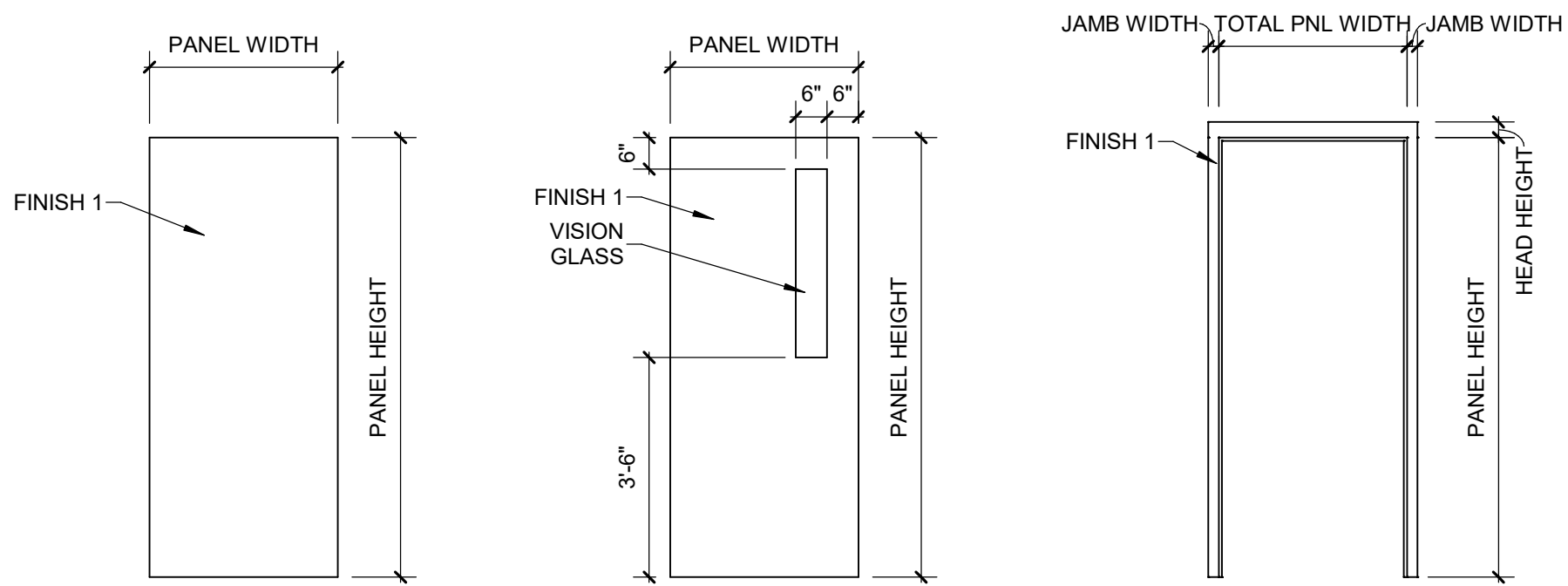
HARDWARE SET #1 (CLASSROOM SET)				
QTY.	ITEM	MODEL/SERIES	FINISH	MANUF. (OR EQUAL)
3	HINGE	TA2714	US26D	MCKINNEY
1	CLASSROOM LOCK	8237 EJ	US32D	SARGENT
1	OVERHEAD STOP	10 SERIES	630	RIXSON
1	SURFACE CLOSER	7500	689	NORTON
1	KICK PLATE	K195 8" HIGH CSK	US32D	ROCKWOOD
1	SET DOOR SEALS / SILENCERS	S88BL/608 AS REQUIRED		PEMKO

HARDWARE SET #2 (OFFICE SET)				
QTY.	ITEM	MODEL/SERIES	FINISH	MANUF. (OR EQUAL)
3	HINGE	TA2714	US26D	MCKINNEY
1	OFFICE LOCK	8205 EJ	US32D	SARGENT
1	DOOR STOP	409441CU	US26D	ROCKWOOD
1	SURFACE CLOSER	7500	689	NORTON
1	SET DOOR SEALS / SILENCERS	S88BL/608 AS REQUIRED		PEMKO

HARDWARE SET #3 (RESTROOM GROUP SET)				
QTY.	ITEM	MODEL/SERIES	FINISH	MANUF. (OR EQUAL)
3	HINGE	TA2714	US26D	MCKINNEY
2	PULL	RM257 MTG-TYPE SHD	US32D	ROCKWOOD
1	SURFACE CLOSER	7500	689	NORTON
1	KICK PLATE	K1050 8" HIGH CSK	US32D	ROCKWOOD
1	DOOR STOP	409441CU	US26D	ROCKWOOD
1	SET DOOR SEALS / SILENCERS	S88BL/608 AS REQUIRED		PEMKO

HARDWARE SET #4 (RESTROOM PRIVATE SET)				
QTY.	ITEM	MODEL/SERIES	FINISH	MANUF. (OR EQUAL)
3	HINGE	TA2714	US26D	MCKINNEY
1	PRIVACY LOCK	LB V21 8205 EJ	US32D	SARGENT
1	SURFACE CLOSER	CPS7500	689	NORTON
1	KICK PLATE	K1050 8" HIGH CSK	US32D	ROCKWOOD
1	SET DOOR SEALS / SILENCERS	S88BL/608 AS REQUIRED		PEMKO

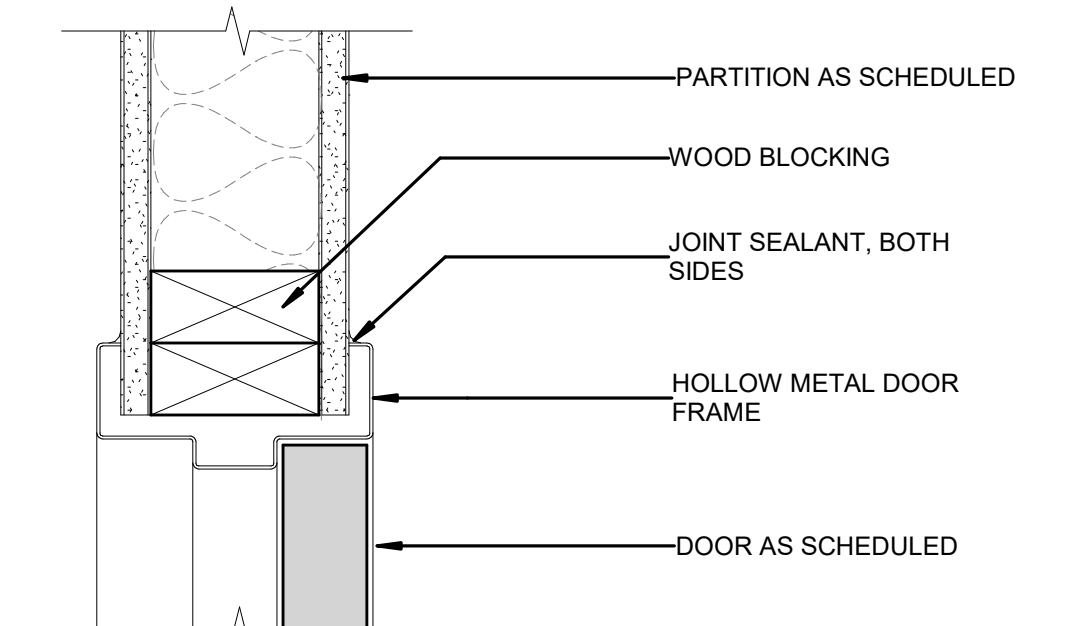
HARDWARE SET #5 (STOREROOM SET)				
QTY.	ITEM	MODEL/SERIES	FINISH	MANUF. (OR EQUAL)
3	HINGE	TA2714	US26D	MCKINNEY
1	STOREROOM LOCK	8204 EJ	US32D	SARGENT
1	SURFACE CLOSER	7500	689	NORTON
1	KICK PLATE	K1050 8" HIGH CSK	US32D	ROCKWOOD
1	SET DOOR SEALS / SILENCERS	S88BL/608 AS REQUIRED		PEMKO



PNL.F.HM

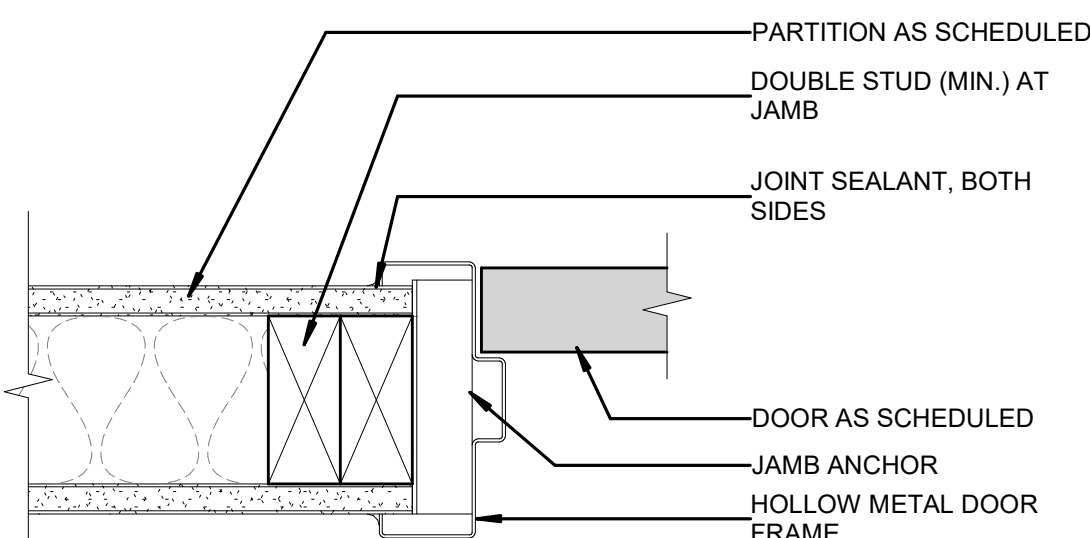
PNL.N.HM

FRM.001.HM1



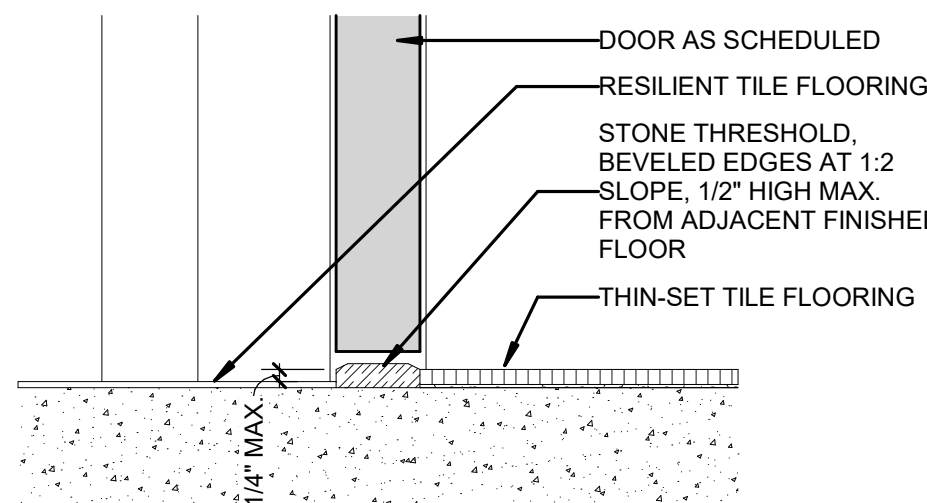
D3 HM DOOR & FRM-WD-HEAD

3" = 1'-0"



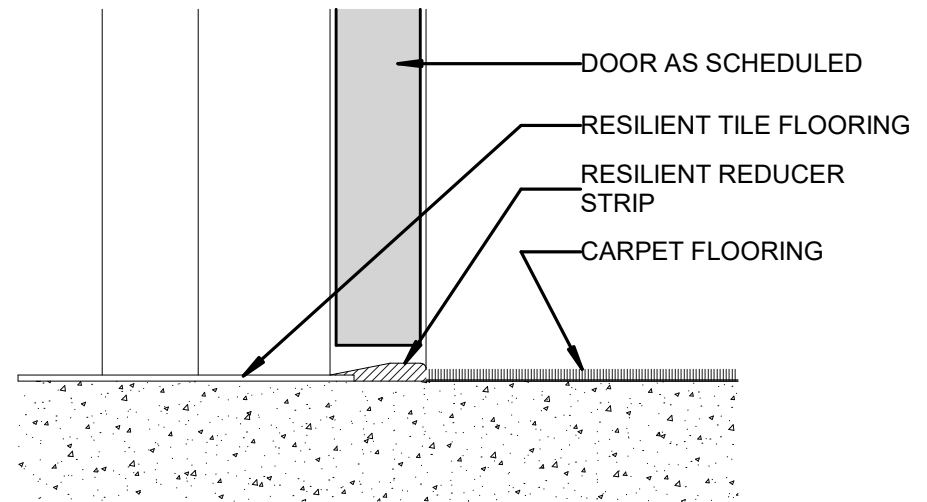
C3 HM DOOR & FRM-WD-JAMB

3" = 1'-0"



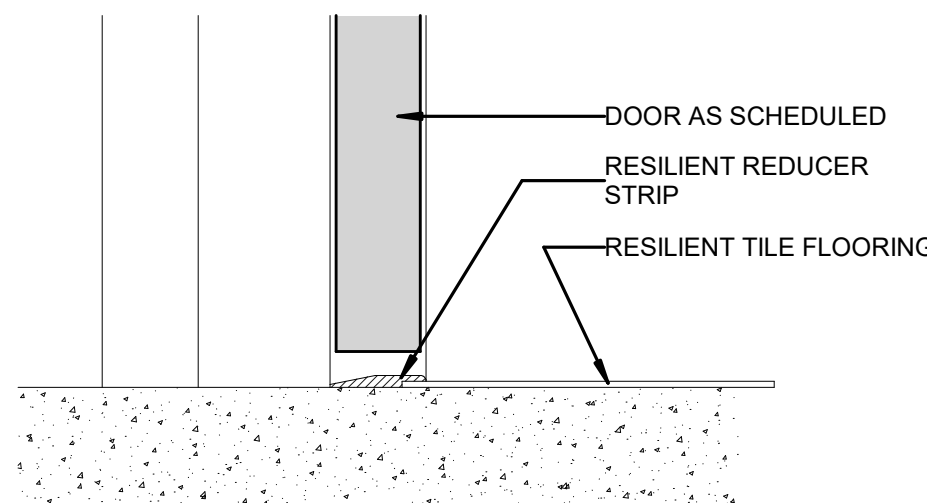
B1 INT_THRESHOLD- STONE- RESILIENT TO TILE (LVT)

3" = 1'-0"



A2.1 INT_THRESHOLD- RESILIENT- CARPET TO RESILIENT (LVT)

3" = 1'-0"



A2 INT_THRESHOLD- RESILIENT- CONCRETE TO RESILIENT (LVT)

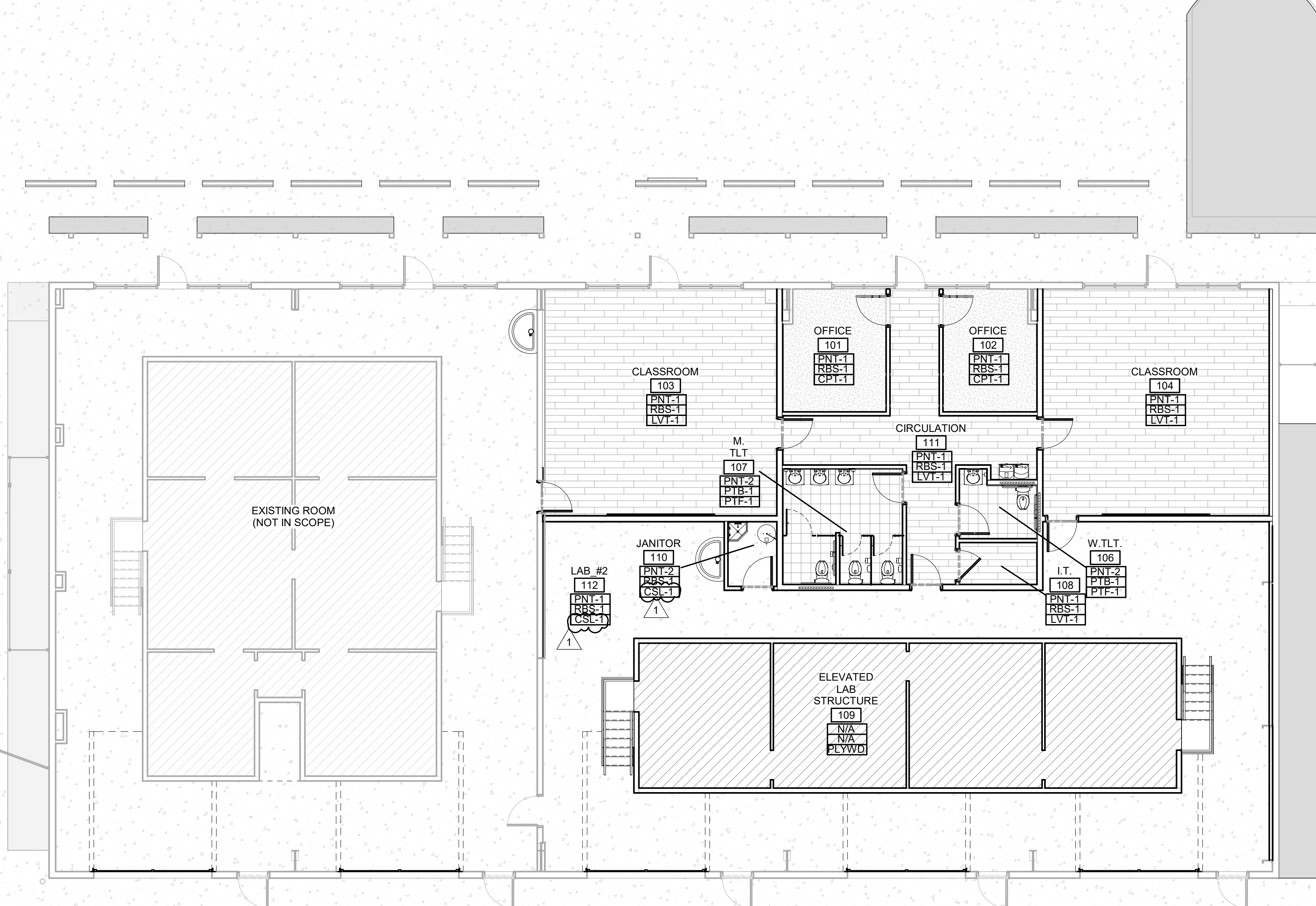
3" = 1'-0"

ARCH- MATERIAL FINISHES (INTERIOR)

TAG	DESCRIPTION	MANUFACTURER	PRODUCT STYLE/PATTERN	PRODUCT FINISH	PRODUCT COLOR	PRODUCT SIZE	INSTALLATION	ADDITIONAL NOTES
09-DOORS AND WINDOWS								
DHW-1	DOOR HARDWARE FINISH	MANUFACTURER			COLOR			
09-FINISHES-CEILINGS								
ACT-1	ACOUSTICAL CEILING TILE	ARMSTRONG	15/16" BEVELED TEGULAR	FINE TEXTURE	WHITE	24"x24"	N/A	
09-FINISHES-FLOORS								
CPT-1	CARPET TILE	INTERFACE	OPEN AIR 404 TRANSITION	N/A	107124 NICKEL/COBALT	50 cm x 50 cm	LAYOUT: NON-DIRECTIONAL	INSTALL PER MANUF. RECOMMENDATIONS
CSL-1	CONCRETE FLOOR SEALER	REFER TO SPECIFICATIONS SECT. 089123	N/A	REFER TO SPECIFICATIONS	CLEAR	N/A		REFER TO SPECIFICATIONS
LVT-1	FLOORING- LVT	INTERFACE	LEVEL SET / NATURAL WOODGRAINS	N/A	A00205 STORM	25cm x 1 cm x 4.5mm	LAYOUT: ASHLAR	INSTALL PER MANUF. RECOMMENDATIONS
PTF-1	PORCELAIN TILE FLOORING	DALTILE	PORTFOLIO	MAYTE	ASH GREY PF05	24"x24"	LAYOUT: GRID	INSTALL PER MANUF. RECOMMENDATIONS WITH EPOXY 1/8" GROUT JOINT; GROUT COLOR: CHARCOAL #60 BY CUSTOM BUILDING PRODUCTS OR EQUAL.
09-FINISHES-WALL BASES								
PTB-1	PORCELAIN TILE BASE	DALTILE	PORTFOLIO	N/A	ASH GREY	6"x12" P36CB	N/A	INSTALL PER MANUF. RECOMMENDATIONS
RBS-1	RUBBER BASE	ARMSTRONG OR EQUAL	4" HIGH, STANDARD TOE BASE		193 BLACK BROWN		UTILIZE MANUF. COVE INSIDE AND OUTSIDE CORNERS	INSTALL PER MANUF. RECOMMENDATIONS
09-FINISHES-WALLS								
PNT-1	INTERIOR PAINT - GENERAL	SHERWIN - WILLIAMS	SW7006 EXTRA WHITE	EGGSHELL	EXTRA WHITE	N/A	N/A	
PNT-2	INTERIOR PAINT - WET AREAS	SHERWIN - WILLIAMS	SW7006 EXTRA WHITE	SEMI-GLOSS	EXTRA WHITE	N/A	N/A	

ARCH- ROOM FINISHES

NUMBER	NAME	FINISH			NOTES
		WALL	BASE	FLOOR	
101	OFFICE	PNT-1	RBS-1	CPT-1	
102	OFFICE	PNT-1	RBS-1	CPT-1	
103	CLASSROOM	PNT-1	RBS-1	LVT-1	
104	CLASSROOM	PNT-1	RBS-1	LVT-1	
106	W.TLT.	PNT-2	PTB-1	PTF-1	
107	M.TLT.	PNT-2	PTB-1	PTF-1	
108	I.T.	PNT-1	RBS-1	LVT-1	
109	ELEVATED LAB STRUCTURE	N/A	N/A	PLYWD	
110	JANITOR	PNT-2	RBS-1	CSL-1	
111	CIRCULATION	PNT-1	RBS-1	LVT-1	
112	LAB #2	PNT-1	RBS-1	CSL-1	



B4 FINISH PLAN

1/8" = 1'-0"

DATE	DESCRIPTION
0 2026.05.01	PERMIT SET
1 2026.09.10	ADDENDUM #1

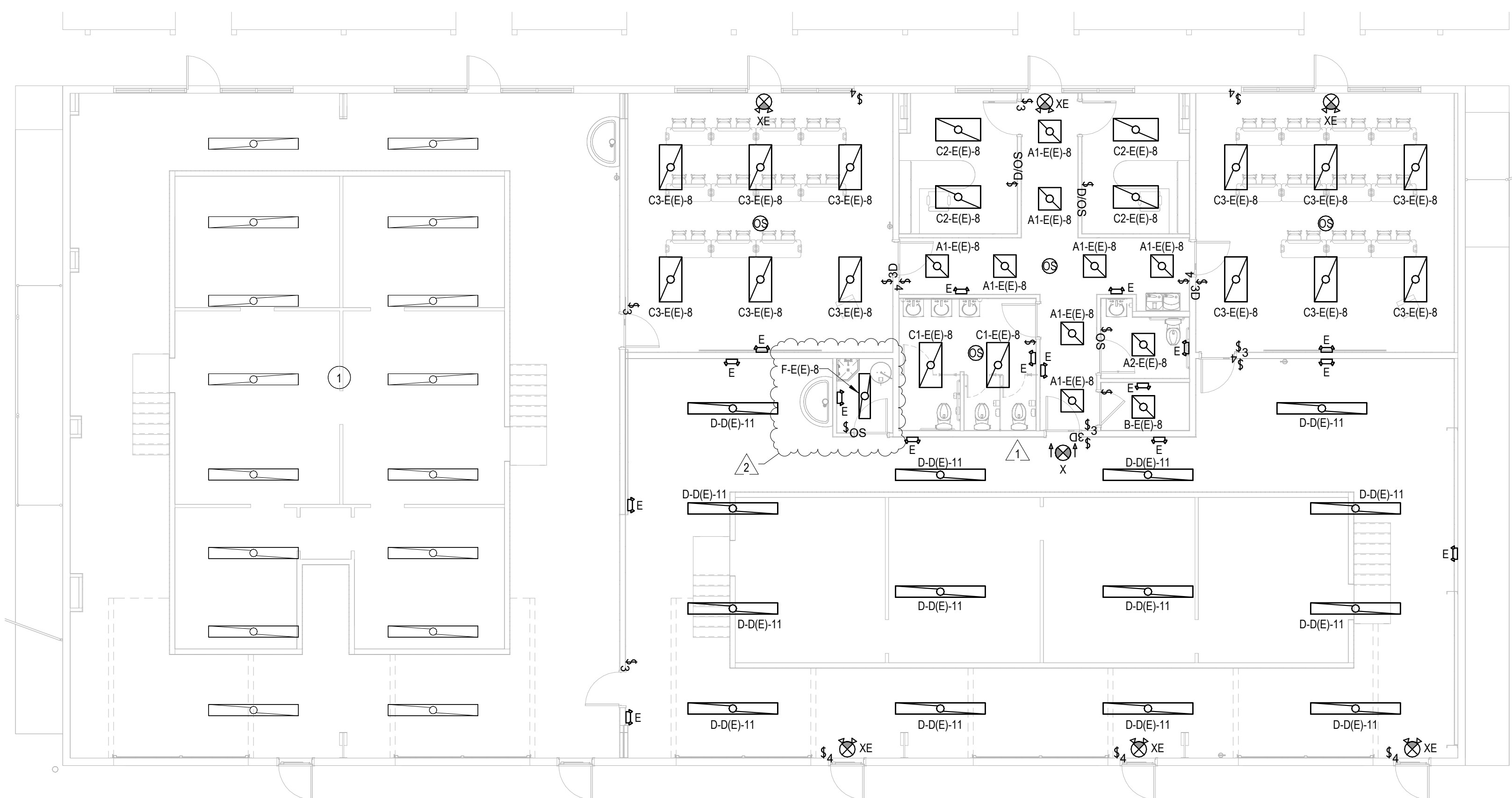
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MARK	LAMP TYPE	MOUNTING	WATTAGE	VOLTAGE	BASIS OF DESIGN	NOTES	DESCRIPTION
A1	LED	GRID	19	UNV	LITHONIA: EPANL 2X2 200LM 80CRI 40K MIN10 2T MVOLT	COORDINATE EXACT REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO ORDERING.	2X2 FLAT PANEL
A2	LED	GRID	30	UNV	LITHONIA: EPANL 2X2 3400LM 80CRI 40K MIN10 2T MVOLT	COORDINATE EXACT REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO ORDERING.	2X2 FLAT PANEL
B	LED	GRID	44	UNV	LITHONIA: SPX 2X2 600LM 80CRI 40K 8F RPL MIN10 2T MVOLT	COORDINATE EXACT REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO ORDERING.	2X2 FLAT PANEL
C1	LED	GRID	29	UNV	LITHONIA: EPANL 2X4 300LM 80CRI 40K MIN10 2T MVOLT	COORDINATE EXACT REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO ORDERING.	2X4 FLAT PANEL
C2	LED	GRID	49	UNV	LITHONIA: EPANL 2X4 5400LM 80CRI 40K MIN10 2T MVOLT	COORDINATE EXACT REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO ORDERING.	2X4 FLAT PANEL
C3	LED	GRID	50	UNV	LITHONIA: EPANL 2X4 600LM 80CRI 40K MIN10 2T MVOLT	COORDINATE EXACT REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO ORDERING.	2X4 FLAT PANEL
D	PENDANT @ 15' AFF		73	UNV	LITHONIA: CSS L96 1000LM 100CRI MIN10 2T 40K 80CRI	COORDINATE EXACT REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO ORDERING.	8 STRIP LIGHT
E	LED WALL @ 7.5' AFF		2	UNV	LITHONIA: ELM2L	CONNECT TO NEAREST UNWITCHED LIGHTING CIRCUIT SERVING THE AREA. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO ORDERING.	2 HEAD EMERGENCY LIGHTING
F	SURFACE		30	UNV	LITHONIA: CSS L96 400LM 100CRI MIN10 2T 40K 80CRI	COORDINATE EXACT REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO ORDERING.	2 HEAD EMERGENCY LIGHTING
X	CEILING OR WALL		14	UNV	LITHONIA: LIQMLD R	CONNECT TO NEAREST UNWITCHED LIGHTING CIRCUIT SERVING THE AREA. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO ORDERING.	EMERGENCY LIGHTING
K	LED	CEILING OR WALL	5	UNV	LITHONIA: LIQMLD R	CONNECT TO NEAREST UNWITCHED LIGHTING CIRCUIT SERVING THE AREA. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO ORDERING.	EXIT/EMERGENCY LIGHTING

ROOM TYPE	MANUAL ON	MANUAL OFF	MANUAL DIMMING	AUTOMATIC ON	AUTOMATIC OFF AFTER 15 MINUTES OF NO OCCUPANCY	AUTOMATIC OFF AFTER 30 MINUTES OF NO OCCUPANCY	DIM TO 50% POWER AFTER 15 MINUTES OF NO OCCUPANCY	TIME CLOCK CONTROLLED	PHOTOCELL CONTROLLED	KEYED SWITCH	MANUAL OVERRIDE
OFFICE	X	X	X	X		X					
CLASSROOM	X	X	X	X		X					
RESTROOM	X	X		X	X						
CORRIDOR	X	X		X			X				
(IT ROOM)	X	X									
JANITOR	X	X		X	X						
LAB	X	X	X					X			
EXTERIOR LIGHTING	X	X	X						X		X

- A. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHTING FIXTURES AND DEVICES WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.
- B. CONTRACTOR SHALL PROVIDE A COMPLETE LIGHTING CONTROL SYSTEM. SEE LIGHTING CONTROL SCHEDULE ON THIS SHEET FOR LIGHTING CONTROL SCHEDULE OF OPERATIONS.
- C. LIGHTING CONTROL DEVICES ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE DEVICES COUNTS AND LOCATIONS AS REQUIRED FOR COVERAGE BASED ON SELECTED LIGHTING CONTROL MANUFACTURERS RECOMMENDATIONS.
- D. CONTRACTOR SHALL VERIFY EXISTING EXTERIOR LIGHTING FIXTURES INCLUDE EMERGENCY BATTERY BACK-UP AS REQUIRED FOR EMERGENCY EGRESS LIGHTING OR RENOVATION. CONTRACTOR SHALL REPLACE ANY EXISTING LIGHTING FIXTURES WITH EMERGENCY BATTERY BACK-UP WHICH ARE DETERMINED INOPERABLE OR SURPASS THE USEFUL LIFE OF THE BATTERY OR FIXTURE.
- E. NEW LIGHTING FIXTURES & DEVICES SHALL BE REPRESENTED BY THICK/DARK LINES.
- F. EXISTING LIGHTING FIXTURES & DEVICES TO REMAIN SHALL BE REPRESENTED BY THIN/LIGHT LINES.

1. EXISTING LIGHTING AND DEVICES WITHIN SPACE ARE TO REMAIN.

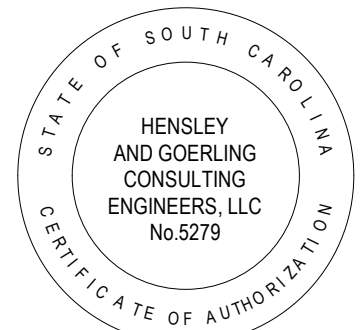


1 LIGHTING PLAN - NEW WORK
1/8" = 1'-0"



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HGTC - Conway Daytona Building Renovation

209 Daytona Street
Carmel, South Carolina 29526

STATE PROJECT #: H59-N347-C
LS3P PROJECT #: 4202-250685[illegible]

SHEET NAME:
ELECTRICAL -
LIGHTING PLAN

SHEET:

E101

PERMIT SET

HG

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