

Addendum No. 1
August 23, 2024

Project: KOA – Rapid City Office
Rapid City, South Dakota
#3017

Architect: Architecture Incorporated

Letting: Thursday, September 5, 2024
2:00 pm MT
Office of Architecture Incorporated
508 7th Street
Suite 200
Rapid City, SD 57701

Scope of this Addendum:

To all bidders and all others to whom drawings and specifications have been issued by Architecture Incorporated, this Addendum forms a part of the Contract Documents. Acknowledge receipt of this addendum by listing its number and date in the bidder's Form of Proposal. Failure to do so may subject bidder to disqualification. This addendum modifies the drawings and specifications as follows:

GENERAL ITEMS:

- 1) A pre-bid meeting conference was held August 20, 2024 at the project site. Meeting minutes from the pre-bid are attached at the end of this addendum.
- 2) Plan holders list: A current pdf of the plan holders list is attached at the end of this addendum.
- 3) EXISTING BUILDING ASBESTOS SURVEY: The Owner has had an asbestos survey conducted on the two existing buildings that are to be demolished. The reports for the general store building and shower/laundry building are attached at the end of this addendum.
- 4) SPECIFICATION TABLE OF CONTENTS:
 - a) Delete Section 114000 "Foodservice Equipment" from the Table of Contents. Foodservice equipment information is noted on the drawings.
- 5) SECTION 084113 ALUMINUM FRAMED STOREFRONTS AND ENTRANCES
 - a) Paragraph 2.3.A.4 Finish: Change Finish from Clear anodic finish to **BLACK ANODIZED FINISH**
 - b) Paragraph 2.4.A.1- Delete basis-of-design [**Kawneer 350 – Heavy Wall Door**].
 - i) Basis-of-design to be [**Kawneer 500 series – Standard Entrance 1-3/4" door thickness**]
 - ii) Door Design: Delete medium stile; 3-1/2. Replace with **Wide Stile; 5"**
 - c) Paragraph 2.9.A – Aluminum Finishes: Delete reference to BSP Black Suede Powder Coat. Finish for Aluminum framed storefronts and entrances to be Black Anodized as noted in change above.

- 6) SECTION 085113 ALUMINUM WINDOWS
- a) Paragraph 1.2 B.1.: Add “and for Aluminum storefront fixed punched openings” at end of sentence.
 - b) Paragraph 1.6 C. Product Options: Delete subparagraph 1.
 - c) Paragraph 2.1.B.4 Finish: Change Finish from Black Suede powder coat finish to **BLACK ANODIZED FINISH**.
- 7) SECTION 087100 DOOR HARDWARE
- a) Door Hardware Group #1 : Add removable mullion to Hardware Group #1 (Door 201A).
- 8) DRAWING 4.20 –LOWER LEVEL FINISH PLAN
- a) Enlarged Plan Reference number 7/4.33: Changed to Detail 2/4.40 on “Enlarged Plans”.
 - b) Add location dimensions at exterior cooking island.
 - c) Room Finish Schedule: Change floor finish in Dining Hall 101 to CPCONC – “Colored Polished Concrete”. The concrete in this room to be integrally colored as per Section 033000 “Cast in Place Concrete”. Color to be selected from manufacturer’s full range.
 - d) Room Finish Schedule: Change the following Finishes:
 - i) 101 Dining Hall: Change ceiling finish to ACT-2.
 - ii) 102 Kitchen: Change ceiling to ACT-3.
 - iii) 103 Storage: Change ceiling to ES (unfinished).
 - iv) 108 Janitor: Add FRP to wall finish.
 - v) 112 Dining Hall Storage: Change ceiling to ACT-1.
 - e) Revised sheet 4.20 is attached, with changes clouded and noted as “1”.
- 9) DRAWING 4.21 –UPPER LEVEL FINISH PLAN
- a) Enlarged Plan Reference number 7/4.33: Changed to Detail 2/4.40 on “Enlarged Plans”.
 - b) Room Finish Schedule: Retail 214 – add wall finish designation”STONE” for the stone veneer on the north end at vestibule.
 - c) Room Finish Schedule: Change the following Finishes:
 - i) 201 Vestibule: Change ceiling to PNT-2 on gypsum board.
 - ii) 213 Janitor: Add FRP to wall finish.
 - iii) 214A Resgistration: Add PNT-2 to ceiling finish.
 - d) Revised sheet 4.21 is attached, with changes clouded and noted as “1”.
- 10) DRAWING 4.40 –ENLARGED PLANS
- a) Accessory Schedule: Changes in “Notes” column :
 - i) Note #6 has been changed to “Contractor Provided, Contractor Installed” and affected accessory items A, B, C, D, E, F, G, H, J, U, & V have been noted accordingly.
 - ii) Note #7 has been changed to “See Electrical Drawings” and Hand Dryer “H” has been noted accordingly.
 - iii) Item “R” Toilet Paper Dispenser” has been revised to include Note #5 “Owner Provided, Contractor Installed”.
 - iv) Item “V” Babychanging Station” revised to include Note #9 – “Refer to Manufacturer’s Installation Instructions”.
 - b) Detail 3 / 4.40 Enlarged Kitchen Plan: L-shape work Table note revised to clarify that the top is to be L-shape seamless construction.
 - c) Revised sheet 4.40 is attached, with changes clouded and noted as “1”.

11) DRAWING 4.41 –ENLARGED PLANS

- a) Change sheet title to “TO INTERIOR DETAILS & ELEVATIONS”.
- b) Elevation 6/4.41: Add section reference 11/7.20 and see added noted and dimension on elevation 3/-6/7.20.
- c) Revised sheet 4.41 is attached, with changes clouded and noted as “1”.

12) DRAWING 6.10 – LOWER LEVEL REFLECTED CEILING PLAN

- a) Kitchen 102: Ceiling type to be ACT-3. Refer to Room Finish Schedule and related changes in this Addendum for balance of ACT ceiling finishes.

13) DRAWING 7.10 – CASEWORK ELEVATIONS

- a) CLARIFICATION: The counter material notes on the elevations are correct. Certain section references will be “Similar” – see attached revised sheet 7.20 for revised casework sections, with changes clouded and noted as “1”.

14) DRAWING 7.20– CASEWORK SECTIONS

- a) Add Section 11/7.20 “ADA Vanity Detail – Quartz Top”. All Bath vanities are to have Quartz-2 countertops.
- b) See revised sections reflecting countertop material notes and other changes in attached Revised Sheet 7.20, with revisions clouded and noted as “1”.

GENERAL APPROVALS:

The following material or equipment furnished by the manufacturers listed, may be substituted as equivalent providing that each item, material, and piece of equipment conforms to the design and requirement of the specifications.

<u>SECTION</u>	<u>ITEM</u>	<u>MANUFACTURER</u>
044313	Adhered Stone Masonry	Prestige Stone Products, LLC
044313	Adhered Stone Masonry	Cultured Stone
044313	Adhered Stone Masonry	Coronado Stone Products
123661	Simulated Stone Countertop, QTZ-1	MSI, “Midnight Corvo”
123661	Simulated Stone Countertop, QTZ-2	MSI, Calacatta “Miraggio Sienna”

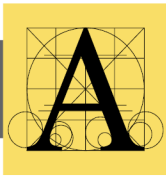
CIVIL ITEMS: NONE

STRUCTURAL ITEMS: NONE

MECHANICAL ITEMS: See attached Addendum No. 1 from Skyline Engineering, dated 08/23/2024.

ELECTRICAL ITEMS: See attached Addendum No. 1 from Skyline Engineering, dated 08/23/2024.

END OF ADDENDUM



PRE-BID MEETING MINUTES

Date: August 20, 2024

Project Name: KOA Rapid City Office

Project Number: 3017

Present: See attached sign in sheet

1. Bid Procedures and Instructions

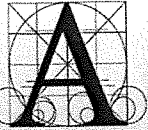
- a. Bid date will be Thursday September 5, 2024 at 2PM MDT.
- b. Bid Location: Architecture Incorporated, 508 7th Street Suite 200
 - i. Sealed bids must be delivered to Architecture Incorporated's office
 - ii. Architecture incorporated building can also be accessed through front doors (631 Main Street)
 - iii. Office is located in downtown Rapid City. Plan extra time to find parking.
- a. Private Letting
 - i. Bids will be reviewed privately with owner and awards will be announced September 9th, 2024
- b. Bid Security: Bid Bond or Cashier's Check
- c. See Exhibit A for Insurance/Bonds – GC to include: Builder's Risk, Payment and Performance Bond

Overview of the project and approach

1. Review of Project Scope

- a. A new building will be constructed at the location of the existing KOA general store. The new building will house a general store, laundry facility, shower facilities, staff offices, a dining hall, and a kitchen. The existing shower house will be used as a temporary facility for staff and site operations while the new building is constructed. Demolition of the adjacent shower house will follow completion of the new building.
 - i. Alternate 1 – composition engineered wood siding shall be used in lieu of MAC metal wall panels. Refer to specs and construction drawings for more information.
- b. MEP
 - i. The site will be converting to natural gas. The following are items to keep in mind:
 1. It will be crucial to review site plan work with the coordination of gas line locations
 2. Boilers in pool house mechanical will be converting to natural gas and propane tanks in shower house will be removed.
 3. Review MEP site plan for full scope of work to be preformed at pool/shower house

4. New Gas service and meter will be provided by MDU, lines that are installed after meters will NOT be done by MDU.
 5. Minor repair of existing buildings may be necessary. Plan to accommodate this in project schedules and budgets.
 - c. Civil
 - i. For site fencing, refer to demo plan. Orange construction fencing is approved. Work that will require fencing will occur at the main entry, utility trenches, and at building.
 - d. Substitution requests- if acceptable, approved substitutions will be issued by addendum
 - e. Electronic submittal services will be utilized
2. Review of Project Schedule
 - a. Opening of Bids & Award – Award and NTP anticipated week of September 9th
 - b. Site will be available beginning – October 15th - 31st
 - c. Completion date -November 2025
 - i. Owner requires site to be fully operational by Spring 2026 season (May 2026)
3. Use of Site and Facility
 - a. Continued operation of campground will occur during construction
 - b. Storage, parking, and staging areas will be coordinated
 - c. Temporary Heat is to be by GC
 - d. Owner's water/electrical may be used by GC
 - e. GC will need to provide portable restroom units
 - f. Safety procedures
4. Addendum No. 1 to be issued on Friday, August 23.
5. Questions/concerns from bidders
 - c. Food service equipment clarifications will be issued in the upcoming addendum.
 - d. Drain tile details may require clarification on Civil drawings
 - e. Top of wall elevations are noted on plans. Refer to Civil drawings.



KOA PREBID MEETING SIGN-IN

Date: August 20, 2024

Project Name: KOA Rapid City Office

Project Number: 3017

Name | Representing

Email | Phone

Name Representing	Email Phone
Jordan Burbach Architecture Inc.	jordanburbach@architectureinc.com 605-721-1158
ASHLYN OLMSTEAD ARCHITECTURE INC.	ASHLYNOLMSTEAD@ARCHITECTUREINC.COM 605-877-1195
Jake Loseff Scull Const.	bids@scullconst.com 605-342-2379
Jeff Clark MAC Const	jeff@macconstructionco.com - 787-2468
Frank Sakwe Lien Transportation	franks@lientransportation.com 605-246-7620
Adam Peguete Lloyd Const	adam.peguete@lloydcompanies.com 605-431-1173
DONNIE HAMBSEK LLOYD CONST	DONNIE.HAMBSEK@LLOYDCOMPANIES.COM
Stef Muellerberg Muellerberg Elct	Mtbergos@yahoo.com 605-341-7577
Dusty Matten Heil Mechanical	d.matten@heilmechanical.com 605-639-1831
Padyn Huschka BHMF	padyn@bhmetalfabricators.com 406-939-4561
ANOM ANDERSON SKYLINK ENG	ANOMIA@SKYLINELTD.COM 737-3827
GARY KOHL "	GARYKO@SKYLINELTD.COM 737-3827
Mick Nagel Mick's Electric	MICK@MICKSELECTRIC.COM 370-285
Eric Johnson Chris Lattor RAC	



Construction Industry Center CIC Plan Holders List

2024-1912: KOA Rapid City Office Building

Prime Contractor

Dean Kurtz Construction Company: Rapid City office	(605) 343-6665	(605) 343-5932	kasey@deankurtzconstruction.com
Lloyd Companies, Inc.: Rapid City office	(605) 631-9112		donnie.hambek@lloydcompanies.com
MAC Construction Company, Inc. : Rapid City office	(605) 787-4685	(605) 787-6785	brett@macconstructionco.com
RCS Construction, Inc.: Rapid City office	(605) 342-3787	(605) 348-4041	bobc@rcsconst.com
Scull Construction Service, Inc.: Rapid City office	(605) 342-2379	(605) 342-8568	jlosett@scullconst.com

Subcontractor

BTD Enterprises, LLC: Rapid City office	(605) 791-0470	(605) 791-1139	btd.office@btdenterprise.com
Built Right Roofing and Construction: Rapid City office	(605) 484-1938		joe@builtrightroofs.com
Century Glass Company: Rapid City office	(605) 342-6261	(605) 342-9190	jake@centuryglassrc.com
Ceramic Designs Midwest, Inc. : Rapid City office	(605) 342-5543	(605) 341-2386	ceramicdesignsmidwest@msn.com
Crow Peak Contractors, LLC: Rapid City office	(605) 431-3153		crowpeakcontracting@gmail.com
Freed's Floors: Rapid City office	(605) 519-6299	(605) 519-6434	greg@freedsfloors.com
High Plains Plumbing, LLC: Black Hawk office	(605) 858-5022		highplainsplumbing@outlook.com
Insulation Enterprises, Inc. : Rapid City office	(605) 342-8279	(605) 342-6830	willieiei@midconetwork.com
JB Landscaping, LLC: Rapid City office	(605) 219-2006		jb_landscaping_llc@outlook.com
Ken's Refrigeration & Heating, Inc. : Wall office	(605) 279-2894	(605) 279-2989	hvac@kensrh.com
Lamb Painting, LLC: Spearfish office	(605) 642-5015	(605) 642-5015	lambptg@gmail.com
Larson Ex, LLC: Rapid City office	(605) 646-8640		larsonex13@outlook.com
Loyal Plumbing, LLC: Rapid City office	(605) 939-0899		tiffini@loyalplumbing.com
Mick's Electric, Inc. : Rapid City office	(605) 348-2335	(605) 394-9343	info@mickselectric.com
Moss Rock, Inc.: Custer office	(605) 673-1021	(605) 673-5921	mossrockman@yahoo.com



Construction Industry Center CIC Plan Holders List

2024-1912: KOA Rapid City Office Building

Quinn Construction, Inc.: Rapid City office	(605) 787-6500	(605) 787-6789	bids@quinnconstruction.org
Rapid Fire Protection, Inc.: Rapid City office	(605) 348-2342	(605) 348-0108	coles@rapidfireinc.com
Rapid Tech Works: Black Hawk office	(605) 910-4836		axel.bost@rapidtechworks.com
Renatus Exteriors, LLC: Summerset office	(605) 641-3327		kathlenethurman@yahoo.com
Simon Contractors, Inc.: Rapid City - Construction office	(605) 394-3300	(605) 341-3446	northbids@simonteam.com
Simonds Electric, LLC: Rapid City office	(605) 787-3832		simondsben@gmail.com
Skold Specialty Contracting: Harrisburg office	(605) 335-6444	(605) 335-6727	mitch@skoldcompanies.com
Tessier's Mechanical Contractors: Rapid City office	(605) 341-1940	(605) 341-2412	jacob.lindblom@tessiersinc.com
Triple S Steel, LLC: Rapid City office	(605) 877-6345		zac@triplessteelsd.com
Tru-Form Construction, Inc. : Black Hawk office	(605) 787-5187	(605) 787-5792	chris.garrigan@truformconstruction.com
Veteran Roofing, LLC: Rapid City office	(605) 646-5510		shane@veteranroofingsd.com



Construction Industry Center CIC Plan Holders List

2024-1912: KOA Rapid City Office Building

Supplier

Black Hills Truss & Components, LLC: Rapid City office	(605) 721-1118	(605) 721-1120	tom.watson@blackhillstruss.com
Border States Electric Supply : Rapid City office	(605) 348-5104	(605) 348-9385	cparks@borderstates.com
Climate Systems, Inc. : Sioux Falls office	(605) 334-2164	(605) 334-9642	jkane@climatesystemsinc.com
Crum Electric Supply Company : Rapid City office	(605) 342-8830	(605) 348-8166	jhrbek@crum.com
Environmental Building Systems, Inc.: Rapid City office	(605) 342-2407	(605) 342-2408	chad@ebssales.net
Forterra Pipe & Precast: Rapid City 1 office	(605) 737-5201	(605) 718-0808	rhonda.matt@rinkerpipe.com
Hebron Brick Supply: Rapid City office	(605) 343-3733	(605) 343-2303	kevina@hebronco.com
Knecht Home Center, Inc. : Rapid City office	(605) 342-4840	(605) 348-4449	bo.sabo@knechthomecenter.com
M2, Inc.: Pierre office	(605) 280-4840		michala.m2inc@gmail.com
Mechanical Sales SD, Inc./PEAR Inc.: Sioux Falls office	(605) 362-6101	(605) 362-6103	ctogel@peareqt.com
Missouri Basin Materials, Inc.: Bismarck office	(701) 751-0151	(701) 751-0153	Tyler@mbmaterials.com
O'Connor Company : Rapid City office	(605) 348-2033	(605) 348-9215	jeff.mason@oconnorco.com
Rapid City Winsupply : Rapid City office	(605) 399-3990	(605) 399-3773	jswebb@winsupplyinc.com

Asbestos Survey Report

Rapid City/Black Hills KOA Holiday

Store Building

3010 SD-44,
Rapid City, SD 57703



Prepared For:

Rapid City/Black Hills KOA

3010 SD-44,
Rapid City, SD 57703

ACE SERVICES | P.O. BOX 1912 RAPID CITY, SD 57709

August 19, 2024

TO: Mr. Eric Johnson
Black Hills KOA

RE: Asbestos Survey Report
Rapid City/Black Hills KOA Holiday
Store Building
3010 SD - 44,
Rapid City, SD 57703

Dear Mr. Johnson,

Per your request, ACE Services is pleased to submit the results of an asbestos survey performed on 8-13-2024 and 8-15-2024 at the above referenced site in Rapid City, SD. The purpose of this inspection is to determine if asbestos containing materials are in place prior to the proposed building demolition.

INTRODUCTION

ACE Services conducted an asbestos survey of the building located in Rapid City, SD. The survey was conducted by a State of South Dakota (EPA) certified asbestos inspector. Interior & exterior building components were surveyed and homogeneous areas of suspect asbestos-containing materials (ACM) were visually identified and documented. Although reasonable effort was made to survey accessible suspect materials, additional suspect but un-sampled materials could be located in walls, in voids or in other concealed areas. Suspect ACM samples were collected in general accordance with the sampling protocols outlined in EPA regulation 40 CFR 763 (Asbestos Hazard Emergency Response Act, AHERA). Samples were delivered to an accredited laboratory for analysis by polarized light microscopy.

FIELD ACTIVITIES

The survey was conducted by Mr. Aaron Cable, a State of South Dakota (EPA) certified asbestos inspector (certification # 9430). A copy of Mr. Cable's certificate is attached as Appendix C. The survey was conducted in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA).

The existing buildings were assessed to identify suspect ACMs, which were then grouped into three categories according to their intended use:

- **Surfacing Materials** – material that is sprayed on, troweled on, or otherwise applied to surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members, or other material on surfaces for acoustical, fireproofing, or other purposes.
- **Thermal System Insulation (TSI)** – material applied to pipes, fittings, boilers, breeching tanks, ducts, or other interior structural components to prevent heat loss or gain, water condensation, or for other purposes.

- **Miscellaneous Materials** – interior building materials on structural components, structural members, or fixtures, such as floor and ceiling tiles, but does not include surfacing materials or thermal system insulation.

VISUAL ASSESSMENT

Our survey activities began with visual observation of the interior areas of the buildings to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color, texture and consideration given to date of application. Interior assessment was conducted throughout visually accessible areas of the buildings. **Building materials identified as concrete, glass, wood, masonry, metal, or rubber were not considered suspect ACM.**

PHYSICAL ASSESSMENT

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the EPA as a material which can be crumbled, pulverized, or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

SAMPLE COLLECTION AND ANALYTICAL

Based on results of the visual observation, suspect ACMs were collected in general accordance with AHERA sampling protocols. Bulk samples were collected, placed in plastic bags, and labeled with unique identification number. Chain-of-custody forms were completed, signed, dated, and along with the bulk samples transported to ENVIRONMENTAL HAZARDS SERVICES, LLC in Richmond Virginia for analysis by polarized light microscopy per EPA methodology EPA/600R-93/116

REGULATORY OVERVIEW

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. It also requires the identification and classification of existing building materials prior to demolition or renovation activity. Under NESHAP, asbestos-containing building materials are classified as either friable, Category I non-friable or Category II non-friable ACM. Friable materials are those that, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure and contain more than 1% asbestos. Category I non-friable ACM includes packing's, gaskets, resilient floor coverings & associated mastics and asphalt roofing products containing more than 1% asbestos. Category II non-friable ACM are any materials other than Category I materials that contain more than 1% asbestos.

Friable ACM, Category I and Category II non-friable ACM which is in poor condition and has become friable or which will be subjected to drilling, sanding, grinding, cutting, or abrading and which could be crushed or pulverized during anticipated renovation or demolition activities are considered regulated ACM (RACM).

FINDINGS

EPA recognizes a material as Asbestos Containing Material (ACM) if an asbestos content of greater than one percent asbestos is detected in a representative sample analyzed by polarized light microscopy.

Laboratory analysis confirmed that **NO** asbestos was detected in the following sampled materials:

- Green Vinyl Floor Tile & Associated Mastics
- Gray Vinyl Floor Tile & Associated Mastics
- Sheetrock & Joint Compound
- Roofing Material – Located throughout
- Asphalt Rolled Roofing – Located above the main entrance

Photographs of the sampled materials are included in Appendix B.

COMMENTS

N/A

FURTHER INVESTIGATIONS

It must be realized that hidden ACMs may be present which may not be exposed or defined without actual demolition. Any such previously concealed ACMs which are revealed only during the demolition process should be sampled for testing by a licensed inspector and should be removed as necessary prior to resumption of work.

GENERAL

This asbestos survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the sample locale. The results, findings, conclusions, and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this survey was performed and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by **Rapid City KOA Campgrounds.**, for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. ACE Services does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

The following are made part of and complete this report:

Appendix A	Laboratory Analytical Report
Appendix B	Photographs

We appreciate the opportunity to provide this service to you. If you have any questions or require additional information, please contact the undersigned at 605-484-9129.

Sincerely,

Aaron Cable

Aaron Cable

ACE Services
P.O Box 1912
Rapid City, SD 57709

APPENDIX A

LABORATORY ANALYTICAL RESULTS



7469 Whitepine Rd
 North Chesterfield, VA 23237
 Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 24-08-02917

Client: ACE Services
 P.O. Box 1912
 Rapid City, SD 57709

Received Date: 08/16/2024
Analyzed Date: 08/16/2024
Reported Date: 08/19/2024

Project/Test Address: Store Bldg; Rapid City/Black Hills KOA Holiday; 3010 SD-44; Rapid City, SD 57703

Client Number:
 201729

Fax Number:

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-08-02917-001A	KS-1	Tile	Green Vinyl; Homogenous	NAD	100% Non-Fibrous
24-08-02917-001B	KS-1	Mastic I	White Adhesive; Homogenous	NAD	100% Non-Fibrous
24-08-02917-001C	KS-1	Mastic II	Thick Yellow Adhesive; Homogenous	NAD	100% Non-Fibrous
24-08-02917-001D	KS-1	Other *	Gray Granular; Homogenous	NAD	100% Non-Fibrous
*Leveling Comp.					
24-08-02917-001E	KS-1	Mastic III	Yellow Adhesive; Homogenous	NAD	100% Non-Fibrous
24-08-02917-002A	KS-2	Tile I	Green Vinyl; Homogenous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201729
Project/Test Address: Store Bldg; Rapid City/Black Hills KOA
 Holiday; 3010 SD-44; Rapid City, SD
 57703

Report Number: 24-08-02917

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-08-02917-002B	KS-2	Other *	Yellow Adhesive; Gray Granular; Inhomogenous	NAD	100% Non-Fibrous
*Mastic/Leveling Comp. Unable to separate materials.					
24-08-02917-002C	KS-2	Tile II	Gray Vinyl; Homogenous	NAD	100% Non-Fibrous
24-08-02917-002D	KS-2	Mastic II	Yellow Adhesive; Homogenous	NAD	100% Non-Fibrous
24-08-02917-003A	KS-3	Mastic I	White Adhesive; Homogenous	NAD	100% Non-Fibrous
24-08-02917-003B	KS-3	Tile I	Green Vinyl; Homogenous	NAD	100% Non-Fibrous
24-08-02917-003C	KS-3	Mastic II	Orange Adhesive; Homogenous	NAD	100% Non-Fibrous
24-08-02917-003D	KS-3	Tile II	White Vinyl; Homogenous	NAD	100% Non-Fibrous
24-08-02917-003E	KS-3	Mastic III	Yellow Adhesive; Homogenous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201729
Project/Test Address: Store Bldg; Rapid City/Black Hills KOA
 Holiday; 3010 SD-44; Rapid City, SD
 57703

Report Number: 24-08-02917

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-08-02917-004	KS-4		Black Tar-Like; Black/Brown Fibrous; White Pliable; Yellow Foam; Inhomogenous	NAD	45% Cellulose 55% Non-Fibrous
24-08-02917-005	KS-5		Black Tar-Like; Black/Brown Fibrous; White/Gray Pliable; Yellow Foam; Inhomogenous	NAD	55% Cellulose 45% Non-Fibrous
24-08-02917-006	KS-6		White/Gray Pliable; Black Tar-Like; Black Fibrous; Inhomogenous	NAD	45% Cellulose 55% Non-Fibrous
24-08-02917-007	KS-7		Black Tar-Like; Black Fibrous; Inhomogenous	NAD	40% Cellulose 25% Fibrous Glass 35% Non-Fibrous
24-08-02917-008	KS-8		Green Paint-Like; White Powdery; Brown Fibrous; Gray Chalky; Inhomogenous	NAD	15% Cellulose 85% Non-Fibrous
24-08-02917-009	KS-9		White Paint-Like; White Powdery; Gray Chalky; Inhomogenous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201729
Project/Test Address: Store Bldg; Rapid City/Black Hills KOA
 Holiday; 3010 SD-44; Rapid City, SD
 57703

Report Number: 24-08-02917

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
-------------------	----------------------	------------	-----------------------	----------	-----------------

QC Sample: 98-M22012-1
QC Blank: SRM 1866 Fiberglass
Reporting Limit: 1% Asbestos
Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020
Analyst: Angel McDaniel

Reviewed By Authorized Signatory:



Tasha Eaddy
 QA/QC Clerk

These results are based on a comparative visual estimate. The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection. . NVLAP #101882-0 VELAP 460172

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

LEGEND: NAD = no asbestos detected

ENVIRONMENTAL HAZARDS SERVICES, LLC

Asbestos Chain of Custody Form

Page 1 of 1

Company Name		ACE Services			Account #		201729		
Company Address		PO Box 1912			City/State/Zip		Rapid City, SD 57709		
Phone		605-484-9129			Email		aceservicesrc@yahoo.com		
Project Name/Test Address		Store Bldg - Rapid City/Black Hills KOA Holiday / 3010 SD-44, Rapid City, SD 57703							
PO Number					Collected By		Aaron Cable		
Turn-Around Time		<input type="radio"/> 5 Day <input type="radio"/> 3 Day <input type="radio"/> 2 Day <input checked="" type="radio"/> 1 Day <input type="radio"/> Same Day / Weekend - Must Call Ahead							
<input type="checkbox"/> PLM New York Protocol			<input type="checkbox"/> PLM New Jersey Protocol			<input type="checkbox"/> PLM South Carolina Protocol			


LAB NUMBER	Client Sample ID	Homogeneous Area	Positive Stop	Collection Date & Time	BULK			AIR			COMMENTS		
					PLM	Point Count 400	Point Count 1000	TEM Bulk	PCM	TEM AHERA		NIOSH 7402	Time In Total Minutes
1	KS-1	1		8-13-2024	X								Flooring - Office
2	KS-2	1		8-13-2024	X								Flooring - South
3	KS-3	1		8-13-2024	X								Flooring - West
4	KS-4	2		8-15-2024	X								Roofing - SE
5	KS-5	2		8-15-2024	X								Roofing - WC
6	KS-6	2		8-15-2024	X								Roofing - NE
7	KS-7	3		8-15-2024	X								Roofing Entryway
8	KS-8	4		8-13-2024	X								SRJC
9	KS-9	4		8-13-2024	X								SRJC
10													
11													
12													
13													
14													
15													

Released By:	Aaron Cable	Date:	8-15-2024	Time:	1630 Local
Signature:	<i>Aaron Cable</i>				


LAB USE ONLY - BELOW THIS LINE

Received By: _____
 Signature: _____
 Date: 8.16.24 Time: 11:17 AM PM
 Portal Contact Added

24-08-02917



Due Date:
08/19/2024
(Monday)
AE *gplw*

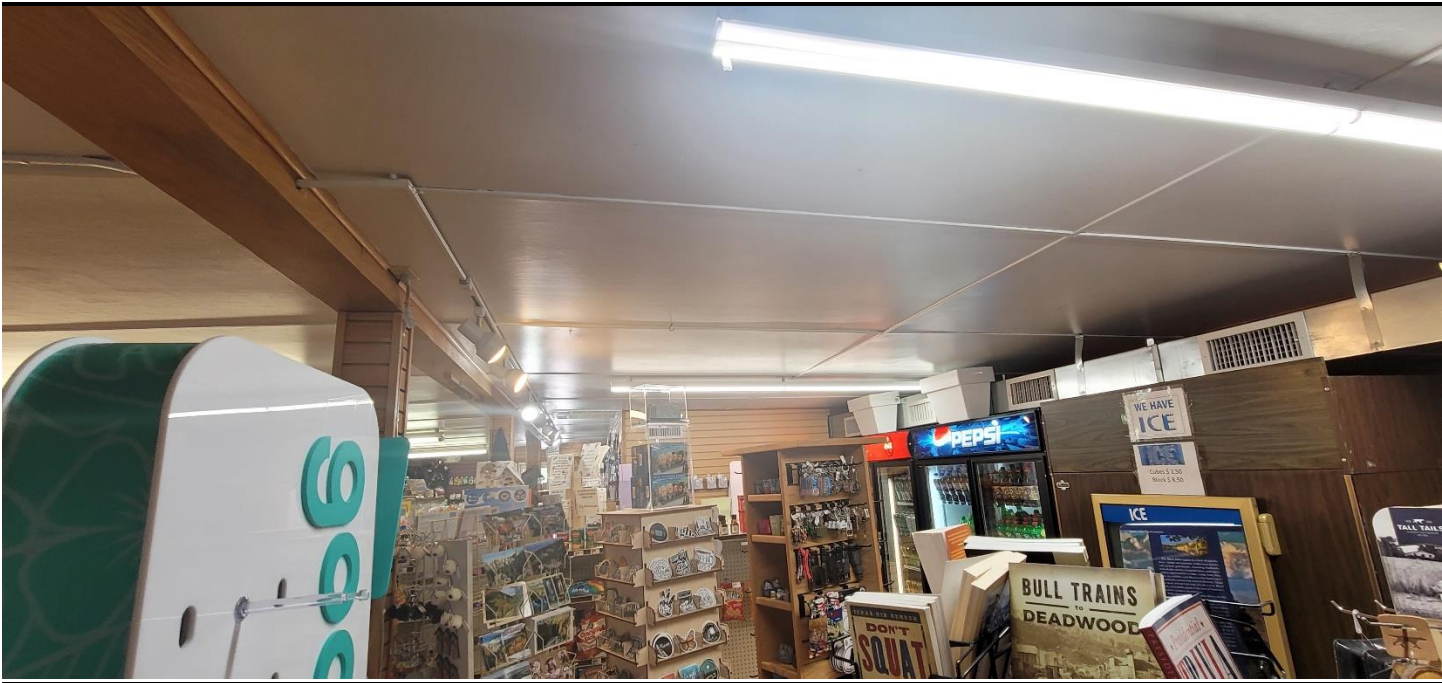
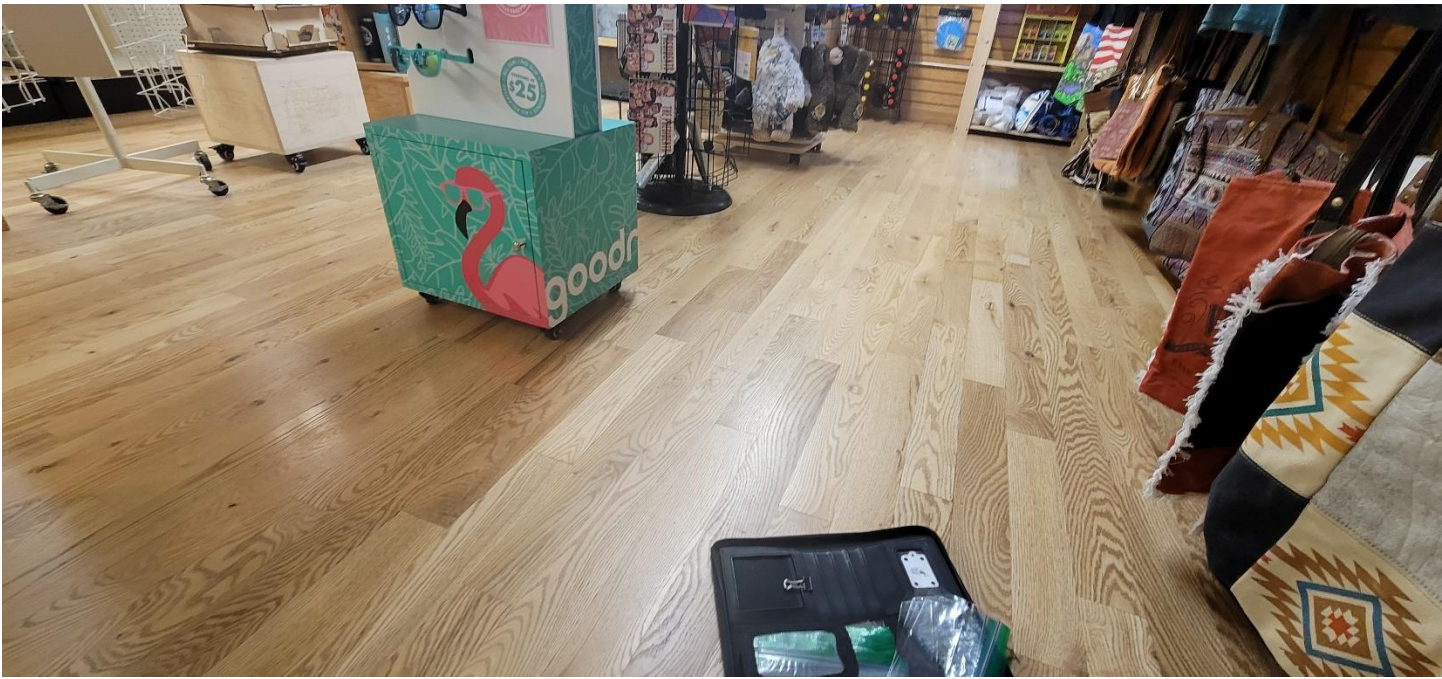
 7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010
 RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

APPENDIX B

Photographs















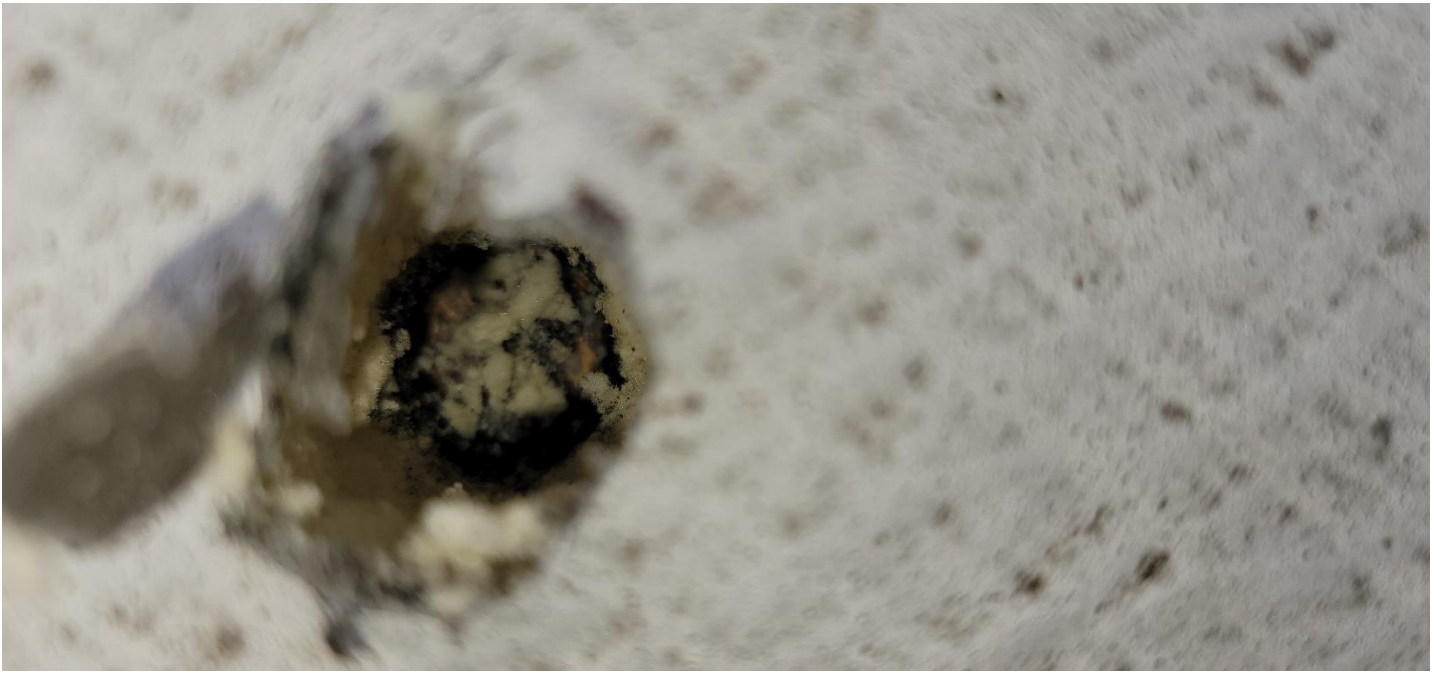
















APPENDIX C

ASBESTOS CERTIFICATION



CHC Training
Environmental Compliance Certification Experts

www.chctraining.com
303.412.6360
855.60.CERTIFY

1775 W. 55th Avenue
Denver, Colorado 80221
United States of America

CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:
AARON CABLE

In recognition of satisfactory completion of the EPA-approved annual asbestos refresher training (online- asynchronous) provided in accordance with the Model Accreditation Plan (MAP) (40 CFR Part 763, Subpart E, Appendix C) and AHERA (Subchapter II) of the Toxic Substances Control Act (TSCA) entitled:

BUILDING INSPECTOR

COURSE COMPLETION:	APRIL 20, 2024
EXAMINATION DATE:	APRIL 20, 2024
EXPIRATION DATE:	APRIL 20, 2025
COURSE HOURS:	4.0



Verify this Certificate

Danayra N. Wilson
CEO & Training Program Manager

Credential License ID:
101892886



Sharon P. West
Instructor

CHC Training Certificate No.
R24-0595-AI-O



Renew this Certificate



CHC Training
Environmental Compliance Certification Experts

www.chctraining.com
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PROJECT DESIGNER

COURSE COMPLETION: APRIL 21, 2024
EXPIRATION DATE: APRIL 21, 2025
COURSE HOURS: 8.0

Danayga N. Wilson
CEO & Training Program Manager

Credential License ID:
101892899



Sharon Hies
Instructor

CHC Training Certificate No.:
R24-0591-APPD-O



Verify this Certificate



Renew this Certificate

**L & L INSULATION, INC.
3190 HAINES AVE.
RAPID CITY, SD 57701**

(605) 348-4012

Certificate No. 04/18/24 09

PRESENTED TO: **AARON CABLE**

For successful completion of the course

ASBESTOS ABATEMENT CONTRACTOR /SUPERVISOR (REFRESHER) COURSE

Course and Exam Date: 04/18/24 Score: PASS SS# *** ** 9383 Expires: 04/18/2025
THIS 18TH DAY OF APRIL, 2024



Steve Verlander, Instructor

APPROVED UNDER SECTION 206 OF THE TOXIC SUBSTANCES CONTROL ACT TSCA TITLE II
AND BY
SOUTH DAKOTA STATE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
EPA APPROVED AHERA TRAINING COURSE
APPROVAL PUBLISHED IN FEDERAL REGISTER/VOL. 53, NO. 230/NOV.30, 1988



South Dakota
Department of Agriculture & Natural Resources

ASBESTOS CERTIFICATION
Aaron Cable

has successfully completed the appropriate training in accordance
with ARSD 74:31 and is certified in South Dakota as an:

- Inspector Expires: 04/20/2025
- Management Planner Expires:
- Abatement Designer Expires: 04/21/2025
- Contractor/Supervisor Expires: 04/18/2025
- Worker Expires:

Certificate No. 9895

Asbestos Survey Report

Rapid City/Black Hills KOA Holiday Shower/Laundry Building

3010 SD-44,
Rapid City, SD 57703



Prepared For:

Rapid City/Black Hills KOA

3010 SD-44,
Rapid City, SD 57703

ACE SERVICES | P.O. BOX 1912 RAPID CITY, SD 57709

August 19, 2024

TO: Mr. Eric Johnson
Black Hills KOA

RE: Asbestos Survey Report
Rapid City/Black Hills KOA Holiday
Shower/Laundry Building
3010 SD - 44,
Rapid City, SD 57703

Dear Mr. Johnson,

Per your request, ACE Services is pleased to submit the results of an asbestos survey performed on 8-13-2024 and 8-15-2024 at the above referenced site in Rapid City, SD. The purpose of this inspection is to determine if asbestos containing materials are in place prior to the proposed building demolition.

INTRODUCTION

ACE Services conducted an asbestos survey of the building located in Rapid City, SD. The survey was conducted by a State of South Dakota (EPA) certified asbestos inspector. Interior & exterior building components were surveyed and homogeneous areas of suspect asbestos-containing materials (ACM) were visually identified and documented. Although reasonable effort was made to survey accessible suspect materials, additional suspect but un-sampled materials could be located in walls, in voids or in other concealed areas. Suspect ACM samples were collected in general accordance with the sampling protocols outlined in EPA regulation 40 CFR 763 (Asbestos Hazard Emergency Response Act, AHERA). Samples were delivered to an accredited laboratory for analysis by polarized light microscopy.

FIELD ACTIVITIES

The survey was conducted by Mr. Aaron Cable, a State of South Dakota (EPA) certified asbestos inspector (certification # 9430). A copy of Mr. Cable's certificate is attached as Appendix C. The survey was conducted in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA).

The existing buildings were assessed to identify suspect ACMs, which were then grouped into three categories according to their intended use:

- **Surfacing Materials** – material that is sprayed on, troweled on, or otherwise applied to surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members, or other material on surfaces for acoustical, fireproofing, or other purposes.
- **Thermal System Insulation (TSI)** – material applied to pipes, fittings, boilers, breeching tanks, ducts, or other interior structural components to prevent heat loss or gain, water condensation, or for other purposes.

- **Miscellaneous Materials** – interior building materials on structural components, structural members, or fixtures, such as floor and ceiling tiles, but does not include surfacing materials or thermal system insulation.

VISUAL ASSESSMENT

Our survey activities began with visual observation of the interior areas of the buildings to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color, texture and consideration given to date of application. Interior assessment was conducted throughout visually accessible areas of the buildings. **Building materials identified as concrete, glass, wood, masonry, metal, or rubber were not considered suspect ACM.**

PHYSICAL ASSESSMENT

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the EPA as a material which can be crumbled, pulverized, or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

SAMPLE COLLECTION AND ANALYTICAL

Based on results of the visual observation, suspect ACMs were collected in general accordance with AHERA sampling protocols. Bulk samples were collected, placed in plastic bags, and labeled with unique identification number. Chain-of-custody forms were completed, signed, dated, and along with the bulk samples transported to ENVIRONMENTAL HAZARDS SERVICES, LLC in Richmond Virginia for analysis by polarized light microscopy per EPA methodology EPA/600R-93/116

REGULATORY OVERVIEW

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. It also requires the identification and classification of existing building materials prior to demolition or renovation activity. Under NESHAP, asbestos-containing building materials are classified as either friable, Category I non-friable or Category II non-friable ACM. Friable materials are those that, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure and contain more than 1% asbestos. Category I non-friable ACM includes packing's, gaskets, resilient floor coverings & associated mastics and asphalt roofing products containing more than 1% asbestos. Category II non-friable ACM are any materials other than Category I materials that contain more than 1% asbestos.

Friable ACM, Category I and Category II non-friable ACM which is in poor condition and has become friable or which will be subjected to drilling, sanding, grinding, cutting, or abrading and which could be crushed or pulverized during anticipated renovation or demolition activities are considered regulated ACM (RACM).

FINDINGS

EPA recognizes a material as Asbestos Containing Material (ACM) if an asbestos content of greater than one percent asbestos is detected in a representative sample analyzed by polarized light microscopy.

Laboratory analysis confirmed that **NO** asbestos was detected in the following sampled materials:

- Sheetrock & Joint Compound
- Roofing Material – throughout the West roof
- Roofing Material – throughout the East roof

Photographs of the sampled materials are included in Appendix B.

COMMENTS

N/A

FURTHER INVESTIGATIONS

It must be realized that hidden ACMs may be present which may not be exposed or defined without actual demolition. Any such previously concealed ACMs which are revealed only during the demolition process should be sampled for testing by a licensed inspector and should be removed as necessary prior to resumption of work.

GENERAL

This asbestos survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the sample locale. The results, findings, conclusions, and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this survey was performed and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by **Rapid City KOA Campgrounds.**, for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. ACE Services does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

The following are made part of and complete this report:

Appendix A	Laboratory Analytical Report
Appendix B	Photographs
Appendix C	Asbestos Certification

We appreciate the opportunity to provide this service to you. If you have any questions or require additional information, please contact the undersigned at 605-484-9129.

Sincerely,

Aaron Cable

Aaron Cable

ACE Services
P.O Box 1912
Rapid City, SD 57709

APPENDIX A

LABORATORY ANALYTICAL RESULTS



7469 Whitepine Rd
 North Chesterfield, VA 23237
 Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 24-08-02914

Client: ACE Services
 P.O. Box 1912
 Rapid City, SD 57709

Received Date: 08/16/2024
Analyzed Date: 08/16/2024
Reported Date: 08/19/2024

Project/Test Address: Shower/Laundry Bldg; Rapid City/Black Hills KOA Holiday; 3010 SD-44; Rapid City, SD 57703

Client Number:
 201729

Fax Number:

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-08-02914-001	RSL-1		Gray/Off-White Chalky; Brown/Clear Fibrous; Gray Paint; Inhomogeneous	NAD	20% Cellulose 10% Fibrous Glass 70% Non-Fibrous
24-08-02914-002	RSL-2		Gray/Off-White Chalky; Brown/Clear Fibrous; Inhomogeneous	NAD	22% Cellulose 10% Fibrous Glass 68% Non-Fibrous
24-08-02914-003	RSL-3		Gray/Off-White Chalky; Brown/Clear Fibrous; Brown Paint; Inhomogeneous	NAD	18% Cellulose 10% Fibrous Glass 72% Non-Fibrous
24-08-02914-004	RSL-4		White Chalky; Clear Fibrous; Inhomogeneous	NAD	3% Cellulose 25% Fibrous Glass 72% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201729
Project/Test Address: Shower/Laundry Bldg; Rapid City/Black Hills KOA Holiday; 3010 SD-44; Rapid City, SD 57703

Report Number: 24-08-02914

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-08-02914-005	RSL-5		White Chalky; Clear Fibrous; Inhomogeneous	NAD	2% Cellulose 50% Fibrous Glass 48% Non-Fibrous
24-08-02914-006	RSL-6		Black Tar-like; Brown Fibrous; Inhomogeneous	NAD	25% Cellulose 75% Non-Fibrous
24-08-02914-007	RSL-7		Black Tar-like; Brown Fibrous; Inhomogeneous	NAD	40% Cellulose 60% Non-Fibrous

QC Sample: 97-M22013-2
QC Blank: SRM 1866 Fiberglass
Reporting Limit: 1% Asbestos
Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020
Analyst: Joey Rust

Reviewed By Authorized Signatory:

Melissa Kanode

Melissa Kanode
QA/QC Clerk

These results are based on a comparative visual estimate. The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection. . NVLAP #101882-0 VELAP 460172

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

LEGEND: NAD = no asbestos detected

ENVIRONMENTAL HAZARDS SERVICES, LLC

Asbestos Chain of Custody Form

Page 1 of 1

Company Name		ACE Services		Account #		201729	
Company Address		PO Box 1912		City/State/Zip		Rapid City, SD 57709	
Phone		605-484-9129		Email		aceservicesrc@yahoo.com	
Project Name/Test Address		Shower/Laundry Bldg - Rapid City/Black Hills KOA Holiday / 3010 SD-44, Rapid City, SD 57703					
PO Number		Collected By					
Turn-Around Time		<input type="radio"/> 5 Day <input type="radio"/> 3 Day <input type="radio"/> 2 Day <input checked="" type="radio"/> 1 Day <input type="radio"/> Same Day / Weekend - Must Call Ahead					
<input type="checkbox"/> PLM New York Protocol		<input type="checkbox"/> PLM New Jersey Protocol		<input type="checkbox"/> PLM South Carolina Protocol			

LAB NUMBER	Client Sample ID	Homogeneous Area	Positive Stop	Collection Date & Time	BULK				AIR			COMMENTS	
					PLM	Point Count 400	Point Count 1000	TEM Bulk	PCM	TEM AHERA	NIOSH 7402		Time In Total Minutes
1	RSL-1	2		8-13-2024	X								SRJC
2	RSL-2	1		8-13-2024	X								SRJC
3	RSL-3	1		8-13-2024	X								SRJC
4	RSL-4	2		8-15-2024	X								Roofing - West Roof
5	RSL-5	2		8-15-2024	X								Roofing - West Roof
6	RSL-6	3		8-15-2024	X								Roofing - East Roof
7	RSL-7	3		8-15-2024	X								Roofing - East Roof
8													
9													
10													
11													
12													
13													
14													
15													

Released By:	Aaron Cable	Date:	8-15-2024	Time:	1630 Local
Signature:	<i>Aaron Cable</i>				

LAB USE ONLY - BELOW THIS LINE

Received By: Melissa Landa

Signature: *Melissa Landa*

Date: 8.16.24 Time: 1130 AM PM

Portal Contact Added

24-08-02914



Due Date:
08/19/2024
(Monday)

SR AE *[Signature]*

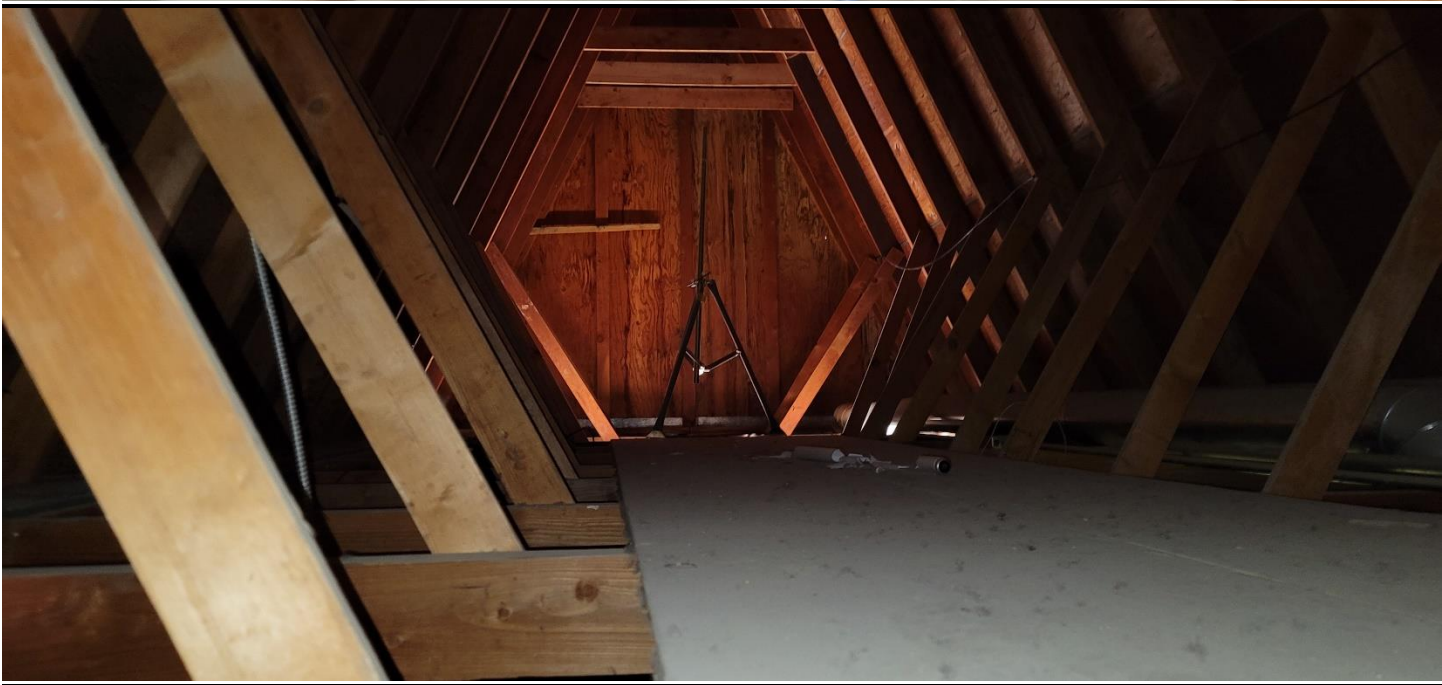
7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010
 RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

APPENDIX B

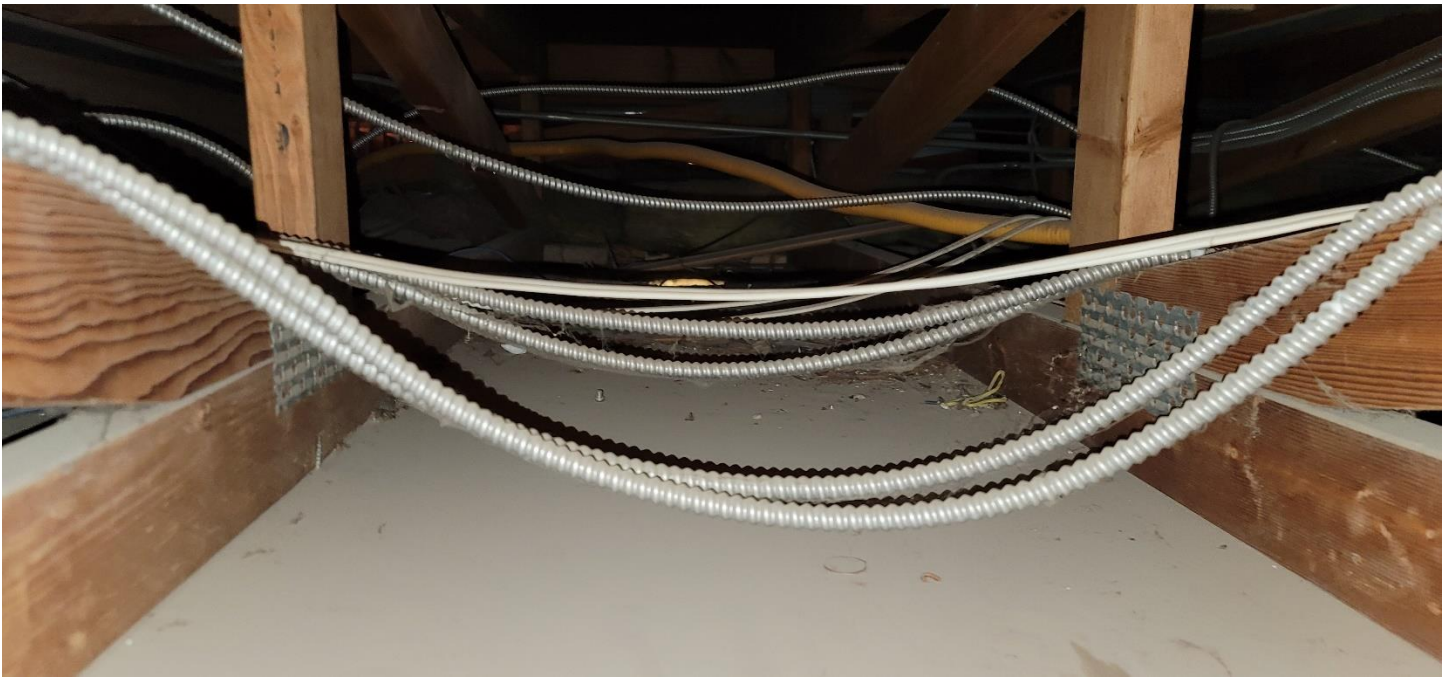
Photographs Appendix B

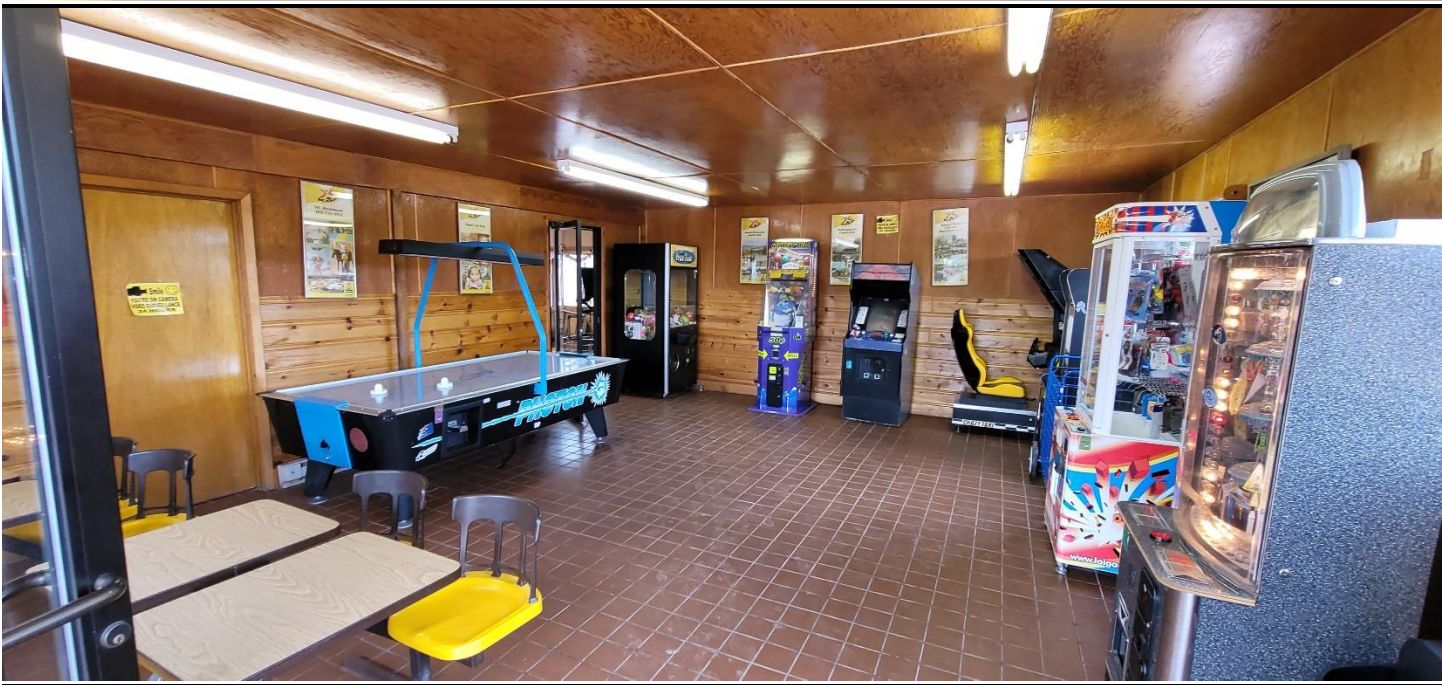


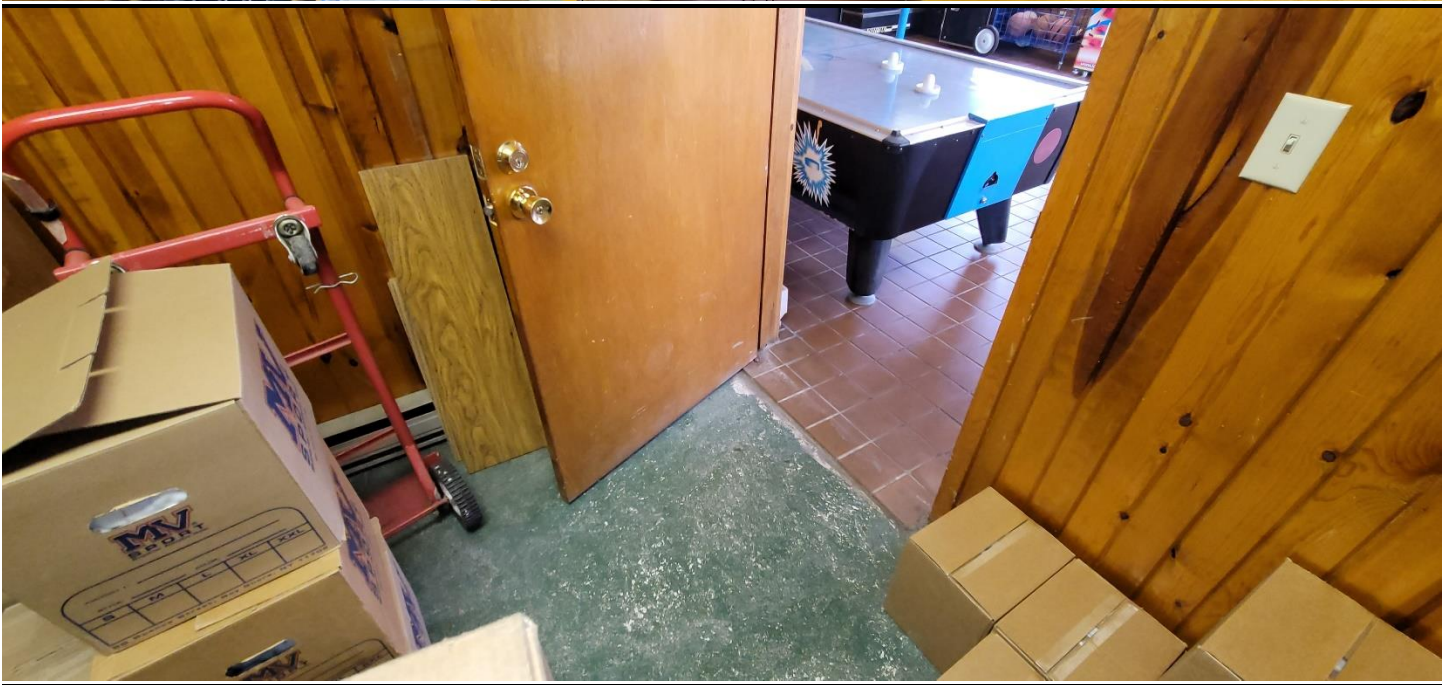


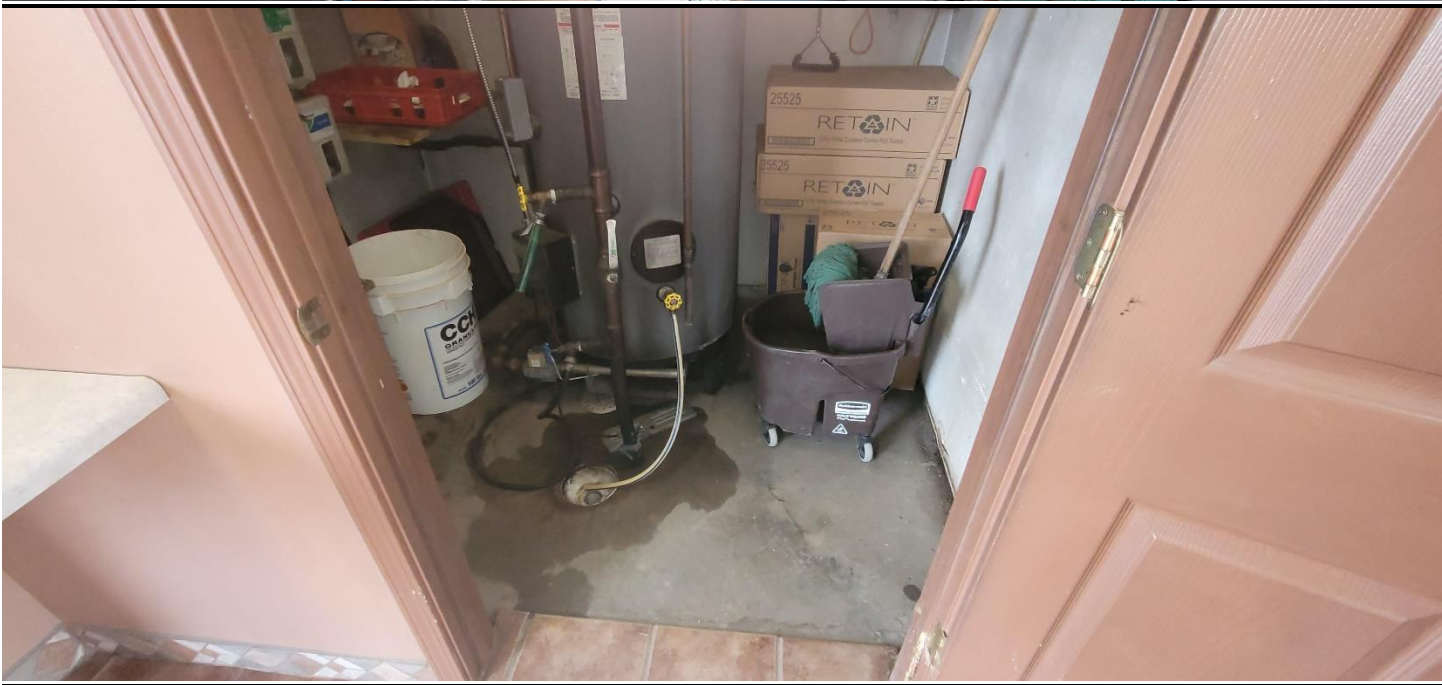


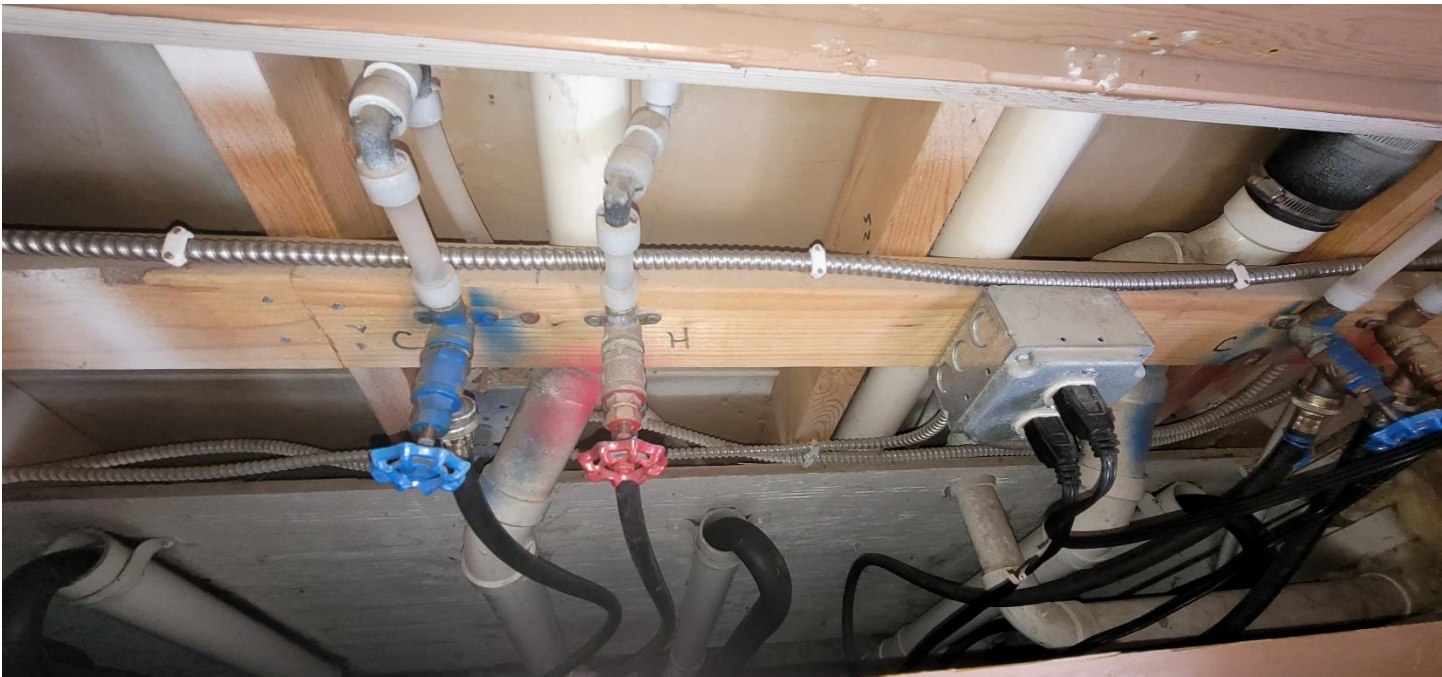




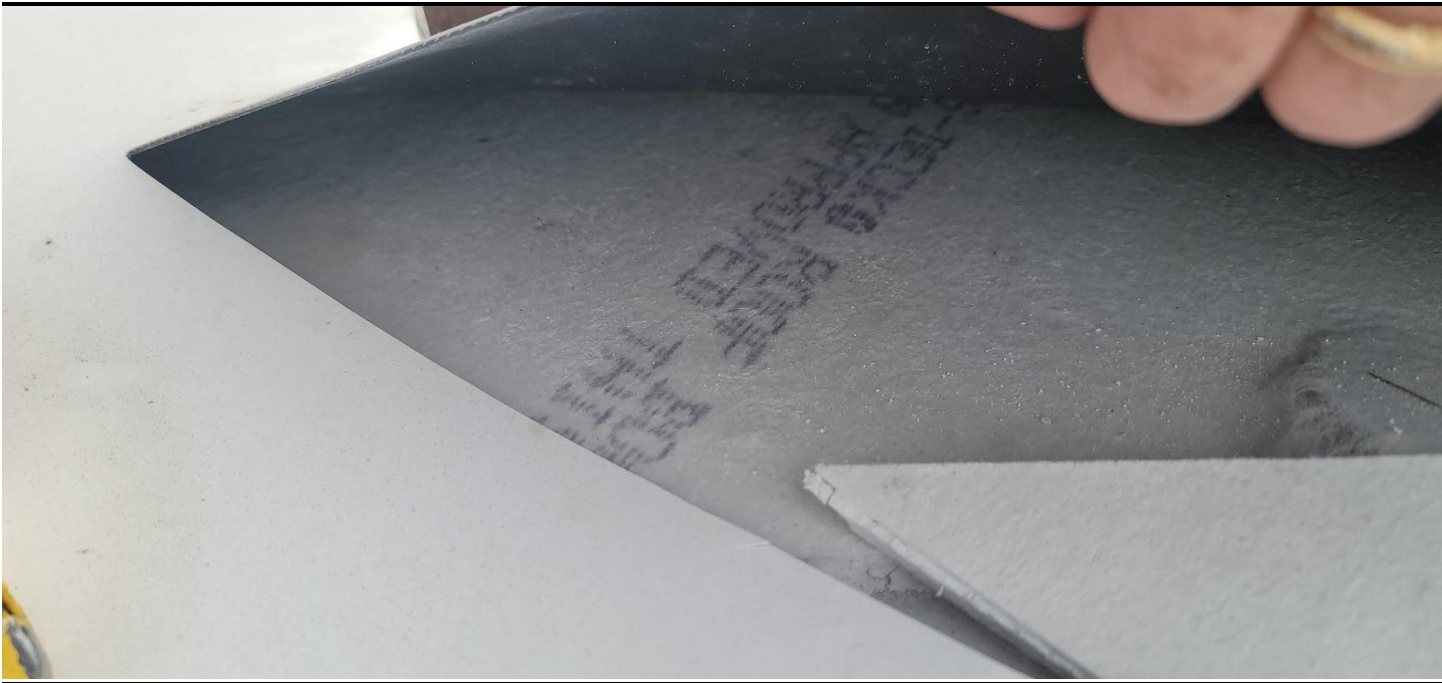


















APPENDIX C

ASBESTOS CERTIFICATION



CHC Training
Environmental Compliance Certification Experts

www.chctraining.com
303.412.6360
855.60.CERTIFY

1775 W. 55th Avenue
Denver, Colorado 80221
United States of America

CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:
AARON CABLE

In recognition of satisfactory completion of the EPA-approved annual asbestos refresher training (online- asynchronous) provided in accordance with the Model Accreditation Plan (MAP) (40 CFR Part 763, Subpart E, Appendix C) and AHERA (Subchapter II) of the Toxic Substances Control Act (TSCA) entitled:

BUILDING INSPECTOR

COURSE COMPLETION: APRIL 20, 2024
EXAMINATION DATE: APRIL 20, 2024
EXPIRATION DATE: APRIL 20, 2025
COURSE HOURS: 4.0

Danayra N. Wilson

CEO & Training Program Manager

Credential License ID:

101892886



Sharon P. West

Instructor

CHC Training Certificate No.

R24-0595-AI-O



Verify this Certificate



Renew this Certificate



CHC Training
Environmental Compliance Certification Experts

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PROJECT DESIGNER

COURSE COMPLETION: APRIL 21, 2024
EXPIRATION DATE: APRIL 21, 2025
COURSE HOURS: 8.0

Danayga N. Wilson
CEO & Training Program Manager

Credential License ID:
101892899



Sharon Hies
Instructor

CHC Training Certificate No.:
R24-0591-APPD-O



Verify this Certificate



Renew this Certificate

**L & L INSULATION, INC.
3190 HAINES AVE.
RAPID CITY, SD 57701**

(605) 348-4012

Certificate No. 04/18/24 09

PRESENTED TO: **AARON CABLE**

For successful completion of the course

ASBESTOS ABATEMENT CONTRACTOR /SUPERVISOR (REFRESHER) COURSE

Course and Exam Date: 04/18/24 Score: PASS SS# *** ** 9383 Expires: 04/18/2025
THIS 18TH DAY OF APRIL, 2024



Steve Verlander, Instructor

APPROVED UNDER SECTION 206 OF THE TOXIC SUBSTANCES CONTROL ACT TSCA TITLE II
AND BY
SOUTH DAKOTA STATE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
EPA APPROVED AHERA TRAINING COURSE
APPROVAL PUBLISHED IN FEDERAL REGISTER/VOL. 53, NO. 230/NOV.30, 1988



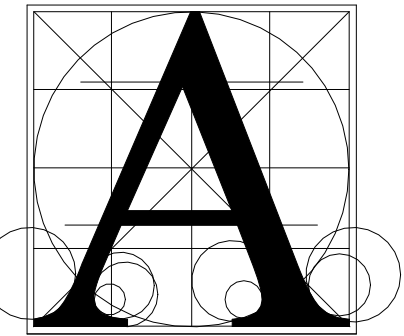
South Dakota
Department of Agriculture & Natural Resources

ASBESTOS CERTIFICATION
Aaron Cable

has successfully completed the appropriate training in accordance
with ARSD 74:31 and is certified in South Dakota as an:

- Inspector Expires: 04/20/2025
- Management Planner Expires:
- Abatement Designer Expires: 04/21/2025
- Contractor/Supervisor Expires: 04/18/2025
- Worker Expires:

Certificate No. 9895



Architecture Incorporated

415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota
Phone: (605) 339-1711

508 7th Street, Suite 200
Rapid City, South Dakota
Phone: (605) 721-1158



KOA - RAPID CITY OFFICE

LOWER LEVEL FINISH PLAN

Project

number 3017
date 08-05-2024
revision
drawn KEB checked JGB

NO. DATE DESCRIPTION
1 08-23-2024 Addendum #1

4.20

GENERAL NOTES - FINISH PLAN

- GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AT THE JOB SITE AND NOTIFY ARCHITECT OF DISCREPANCIES.
- INSTALL BLOCKING AS REQUIRED IN PARTITIONS TO RECEIVE MILLWORK, COUNTERTOPS, SHELVING, VISUAL DISPLAY BOARDS, SMART BOARDS, AND WALL-MOUNTED EQUIPMENT.
- PROVIDE FLOOR TRANSITION STRIPS IN LOCATIONS THAT HAVE A CHANGE IN FLOORING MATERIAL. REFER TO TYPICAL TRANSITION STRIP DETAILS. ALL TRANSITIONS TO BE CENTERED UNDER DOOR IN CLOSED POSITION UNLESS NOTED OTHERWISE.
- FINISH SCHEDULES DENOTE FINISHES THROUGHOUT THE PROJECT. FOR LOCATIONS REFER TO THE FINISH FLOOR AND WALL PLANS, ROOM FINISH SCHEDULES, REFLECTED CEILING PLANS, AND INTERIOR ELEVATIONS.
- REFER TO DRAWING 4.41 FOR TILE PATTERNS.

FLOOR AND WALL FINISH SYMBOLS

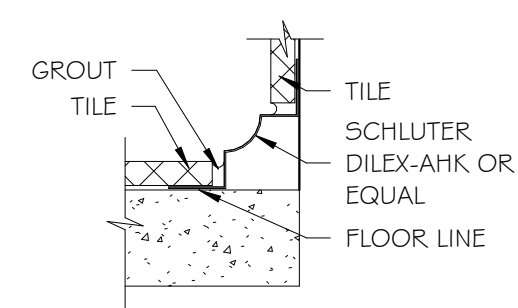
- FLOOR PATTERN INSTALLATION DIRECTION
- FINISH LABEL
- WALL OR BASE START/STOP INDICATOR

ROOM FINISH NOTES

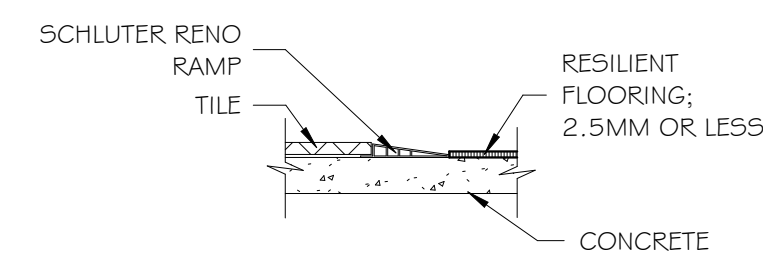
- CERAMIC TILE FULL HT. ALL WALLS UNO.
- MULTIPLE FLOOR FINISHES. REFER TO FINISH PLAN.
- MULTIPLE WALL FINISHES. REFER TO FINISH PLAN & INTERIOR ELEVATIONS.
- MULTIPLE CEILING FINISHES. REFER TO REFLECTED CEILING PLAN.
- CERAMIC TILE WAINSCOT ON ALL WALLS TO (NOM.) 4'-3" A.F.F., UNO.

ROOM FINISH SCHEDULE

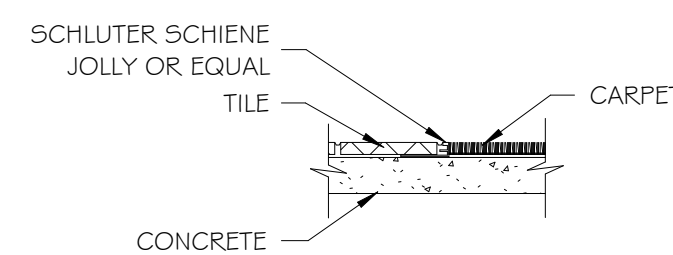
NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	NOTES
101	DINING HALL	PCONC	RB	PNT2,3	ACT2, PNT2	1
102	KITCHEN	PCONC	RB	EPNT1	ACT3	
103	STOR / FUTURE	SCONC	RB	PNT1	ES	
104	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
104A	SHOWER	T-4	-	T-2	EIFS	a
105	1/2 BATH ADA	T-1	-	T-2,3	EPNT1	a, c
106	MECH / ELEC	SCONC	RB	PNT1	ES	1
107	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
107A	SHOWER	T-4	-	T-2	EIFS	a
108	JAN.	SCONC	RB	EPNT1 / FRP	ES	a, c
109	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
109A	SHOWER	T-4	-	T-2	EIFS	a
110	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
110A	SHOWER	T-4	-	T-2	EIFS	a
112	DINING HALL STORAGE	SCONC	RB	EPNT1	ACT1	1
115	HALLWAY	T-2	-	T2,3 / PNT3	ACT1	c, e
116	CLOSET	SCONC	-	PNT1	ES	1
201	VESTIBULE	LVT	RB	T2,3 / PNT3	PNT2	c
202	OFFICE 2	CPT	RB	PNT2,3	ACT1	c
203	OFFICE 1	CPT	RB	PNT2,3	ACT1	c
204	STAFF BREAK	LVT	RB	PNT2,3	ACT1	c
205	STOR/DATA	LVT	RB	PNT2	ACT1	c
207	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
207A	SHOWER	T-4	-	T-2	EIFS	a
208	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
208A	SHOWER	T-4	-	T-2	EIFS	a
209	1/2 BATH ADA	T-1	-	T-2,3	EPNT1	a, c
210	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
210A	SHOWER	T-4	-	T-2	EIFS	a
211	LAUNDRY	LVT	RB	EPNT2	ACT1	
212	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
212A	SHOWER	T-4	-	T-2	EIFS	a
213	JAN.	SCONC	RB	EPNT1 / FRP	ES	c
214	RETAIL / REGISTRATION	LVT	RB	PNT2,3 / STONE	ES/STWD	b, c
214A	REGISTRATION	CPT	RB	PNT2, 4	PNT2	c
215	HALLWAY	T-1	-	T2,3 / PNT3	ACT1	c, e
216	HALLWAY	CPT	RB	PNT2	ACT1	



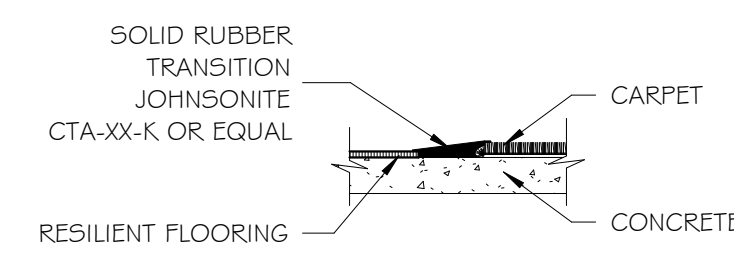
5 TILE SCHLUTER COVE TRANSITION
4.20 SCALE: 3" = 1'-0"



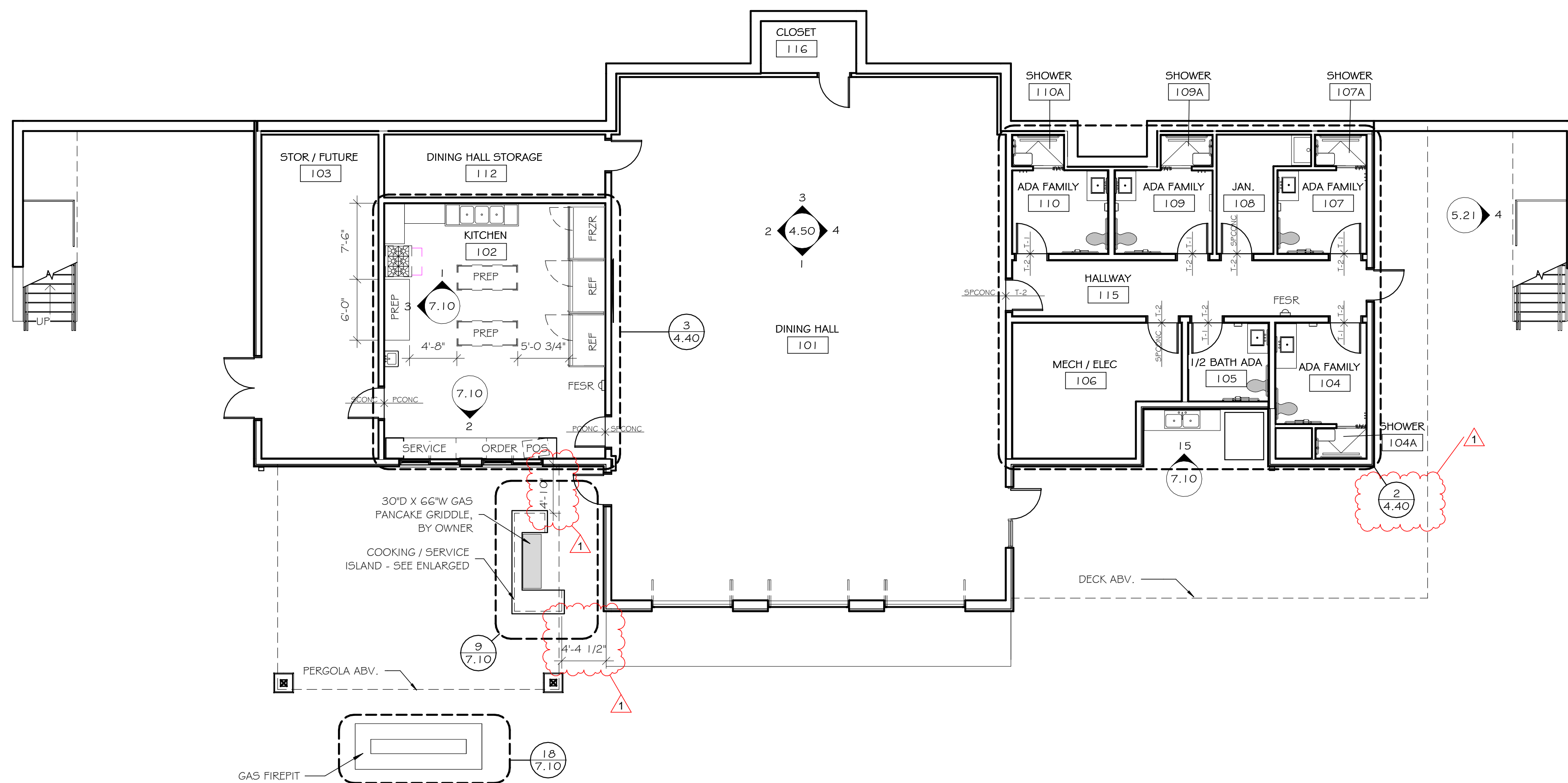
4 TILE TO RESILIENT
4.20 SCALE: 3" = 1'-0"



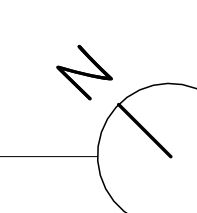
3 TILE TO CARPET
4.20 SCALE: 3" = 1'-0"

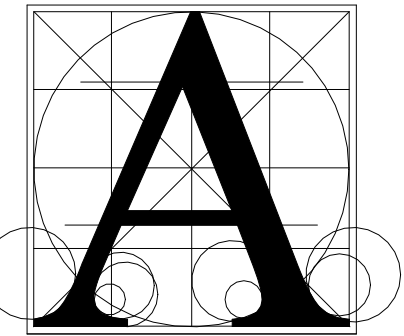


2 RESILIENT TO CARPET
4.20 SCALE: 3" = 1'-0"



1 LOWER LEVEL FINISH FLOOR PLAN
4.20 SCALE: 1/8" = 1'-0"





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GENERAL NOTES - FINISH PLAN

- A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AT THE JOB SITE AND NOTIFY ARCHITECT OF DISCREPANCIES.
- B. INSTALL BLOCKING AS REQUIRED IN PARTITIONS TO RECEIVE MILLWORK, COUNTERTOPS, SHELVING, VISUAL DISPLAY BOARDS, SMART BOARDS, AND WALL-MOUNTED EQUIPMENT.
- C. PROVIDE FLOOR TRANSITION STRIPS IN LOCATIONS THAT HAVE A CHANGE IN FLOORING MATERIAL. REFER TO TYPICAL TRANSITION STRIP DETAILS. ALL TRANSITIONS TO BE CENTERED UNDER DOOR IN CLOSED POSITION UNLESS NOTED OTHERWISE.
- D. FINISH SCHEDULES DENOTE FINISHES THROUGHOUT THE PROJECT. FOR LOCATIONS REFER TO THE FINISH FLOOR AND WALL PLANS, ROOM FINISH SCHEDULES, REFLECTED CEILING PLANS, AND INTERIOR ELEVATIONS.
- E. REFER TO DRAWING 4.41 FOR TILE PATTERNS.

FLOOR AND WALL FINISH SYMBOLS

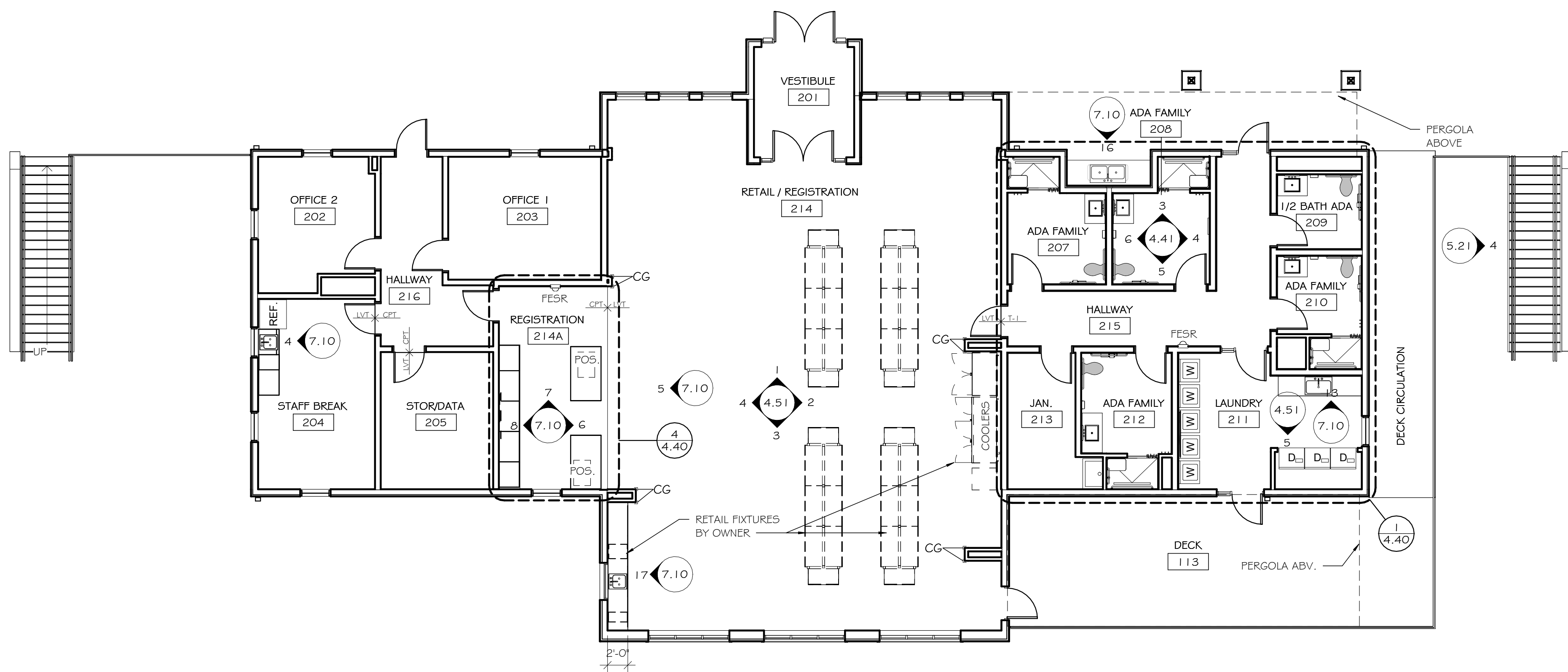
	FLOOR PATTERN INSTALLATION DIRECTION
	FINISH LABEL
	WALL OR BASE START/STOP INDICATOR

ROOM FINISH NOTES

- a. CERAMIC TILE FULL HT. ALL WALLS UNO.
- b. MULTIPLE FLOOR FINISHES. REFER TO FINISH PLAN.
- c. MULTIPLE WALL FINISHES. REFER TO FINISH PLAN & INTERIOR ELEVATIONS.
- d. MULTIPLE CEILING FINISHES. REFER TO REFLECTED CEILING PLAN.
- e. CERAMIC TILE WAINSCOT ON ALL WALLS TO (NOM.) 4'-3" A.F.F., UNO.

ROOM FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	NOTES
101	DINING HALL	CPCONC	RB	PNT2,3	ACT2, PNT2	
102	KITCHEN	PCONC	RB	EPNT1	ACT3	
103	STOR / FUTURE	SCONC	RB	PNT1	ES	
104	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
104A	SHOWER	T-4	-	T-2	EIF5	a
105	1/2 BATH ADA	T-1	-	T-2,3	EPNT1	a, c
106	MECH / ELEC	SCONC	RB	PNT1	ES	
107	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
107A	SHOWER	T-4	-	T-2	EIF5	a
108	JAN.	SCONC	RB	EPNT1 / FRP	ES	c
109	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
109A	SHOWER	T-4	-	T-2	EIF5	a
110	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
110A	SHOWER	T-4	-	T-2	EIF5	a
112	DINING HALL STORAGE	SCONC	RB	EPNT1	ACT1	
115	HALLWAY	T-2	-	T2,3 / PNT3	ACT1	c, e
116	CLOSET	SCONC	-	PNT1	ES	
201	VESTIBULE	LVT	RB	T2,3 / PNT3	PNT2	c
202	OFFICE 2	CPT	RB	PNT2,3	ACT1	c
203	OFFICE 1	CPT	RB	PNT2,3	ACT1	c
204	STAFF BREAK	LVT	RB	PNT2,3	ACT1	c
205	STOR/DATA	LVT	RB	PNT2	ACT1	c
207	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
207A	SHOWER	T-4	-	T-2	EIF5	a
208	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
208A	SHOWER	T-4	-	T-2	EIF5	a
209	1/2 BATH ADA	T-1	-	T-2,3	EPNT1	a, c
210	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
210A	SHOWER	T-4	-	T-2	EIF5	a
211	LAUNDRY	LVT	RB	EPNT2	ACT1	
212	ADA FAMILY	T-1	-	T-2,3	EPNT1	a, c
212A	SHOWER	T-4	-	T-2	EIF5	c
213	JAN.	SCONC	RB	EPNT1 / FRP	ES	c
214	RETAIL / REGISTRATION	LVT	RB	PNT2,3 / STONE	ES/STWD	b, c
214A	REGISTRATION	CPT	RB	PNT2, 4	PNT2	c
215	HALLWAY	T-1	-	T2,3 / PNT3	ACT1	c, e
216	HALLWAY	CPT	RB	PNT2	ACT1	



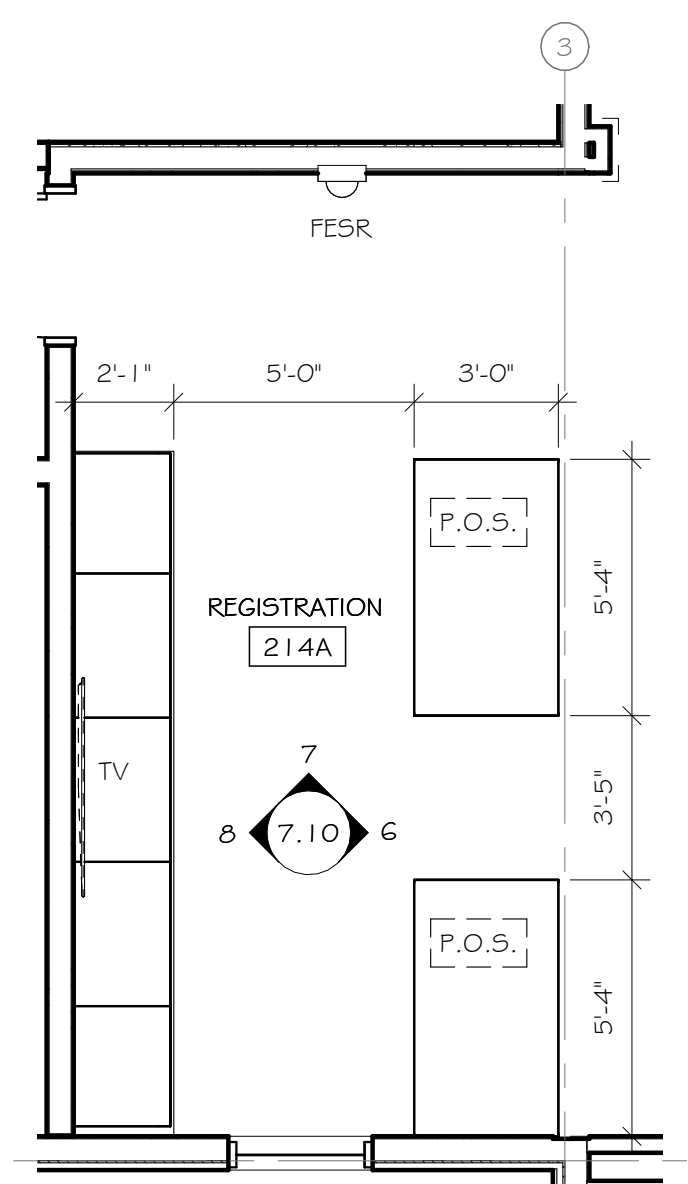
UPPER LEVEL FINISH FLOOR PLAN
SCALE: 1/8" = 1'-0"

KOA - RAPID CITY OFFICE
UPPER LEVEL FINISH PLAN

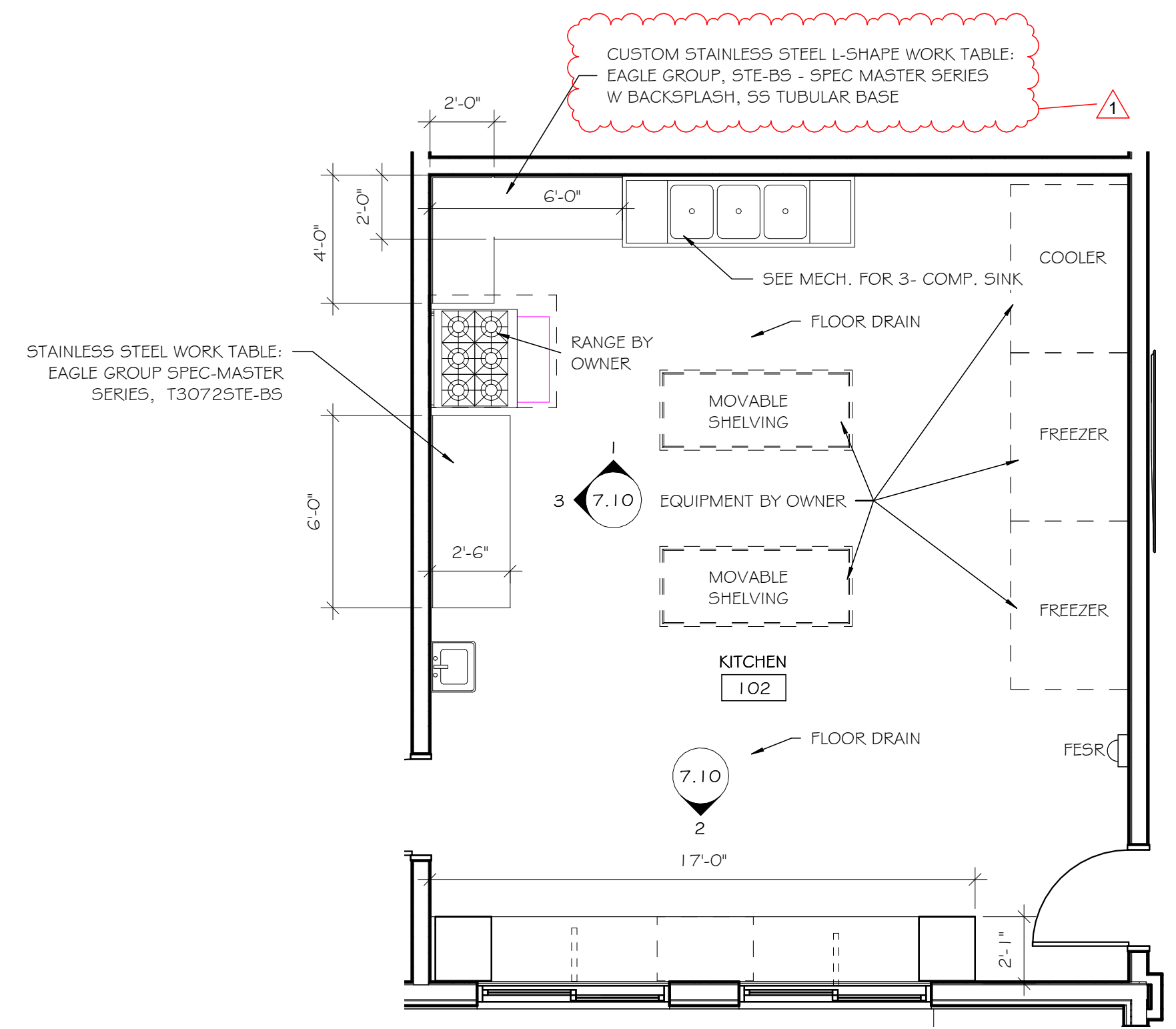
number 3017
date 08-05-2024
revision
drawn KEB checked JGB

NO.	DATE	DESCRIPTION
1	08-23-2024	Addendum #1

4.21



4
4.40 ENLARGED REGISTRATION PLAN
SCALE: 1/4" = 1'-0"



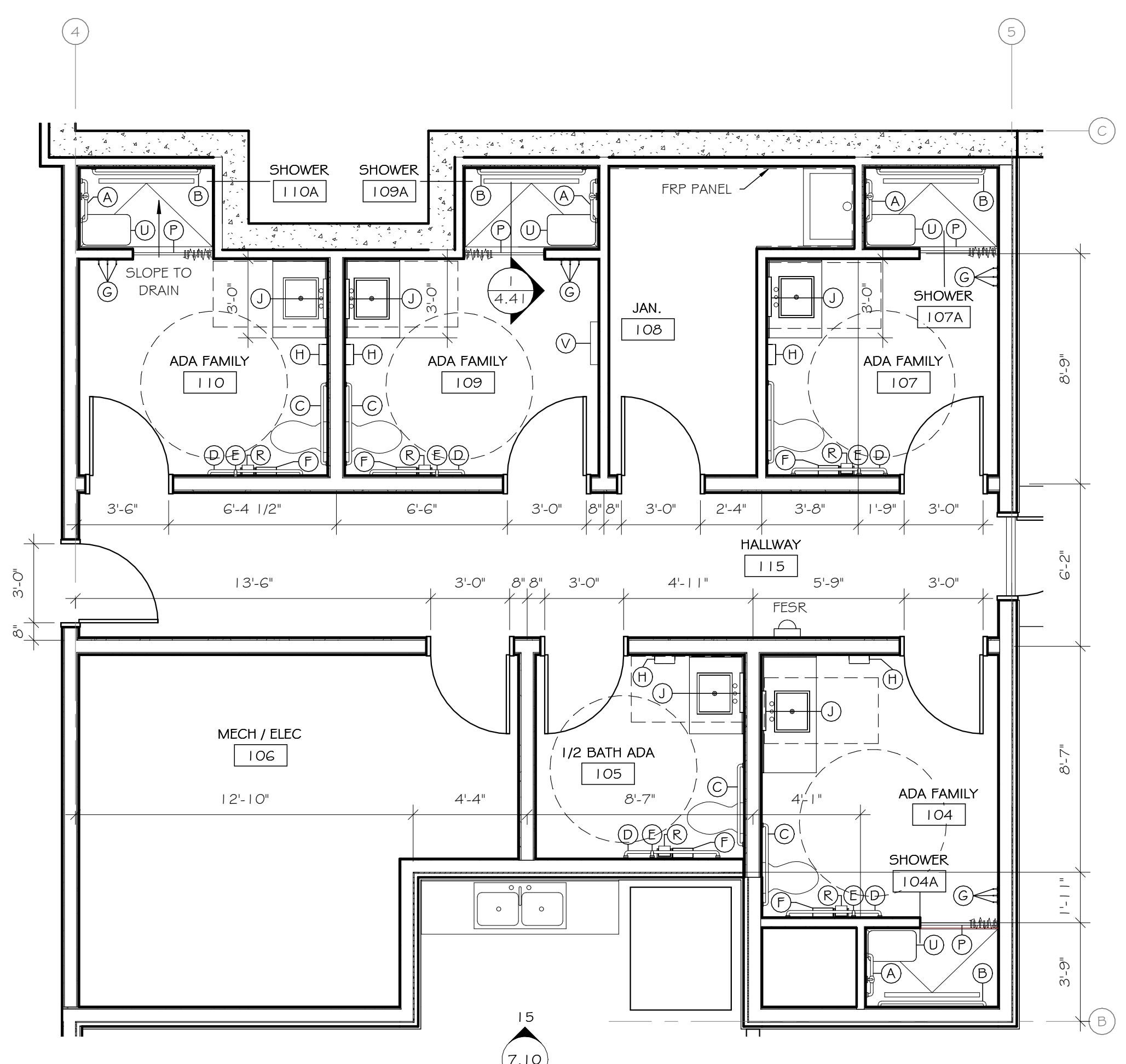
3
4.40 ENLARGED KITCHEN PLAN
SCALE: 1/4" = 1'-0"

MARK	ACCESSORY	NOTES
A	1 1/2" O.D. GRAB BAR 18" LONG	1, 6
B	1 1/2" O.D. GRAB BAR 48" LONG	1, 6
C	1 1/2" O.D. GRAB BAR 36" LONG	1, 6
D	1 1/2" O.D. GRAB BAR 42" LONG	1, 6
E	1 1/2" O.D. VERTICAL GRAB BAR 18" LONG	1, 6, 8
F	SANITARY NAPKIN DISPOSAL	1, 6
G	DOUBLE PRONG HOOK	1, 6
H	HAND DRYER	1, 6, 9
J	1'-6" X 3'0" H FRAMED MIRROR	1, 6
P	SHOWER CURTAIN WITH STAINLESS STEEL ROD	1, 4
R	TOILET PAPER DISPENSER	1, 5
U	SOLID PHENOLIC FOLDING SHOWER SEAT	1, 6
V	BABYCHANGING STATION	1, 6, 8

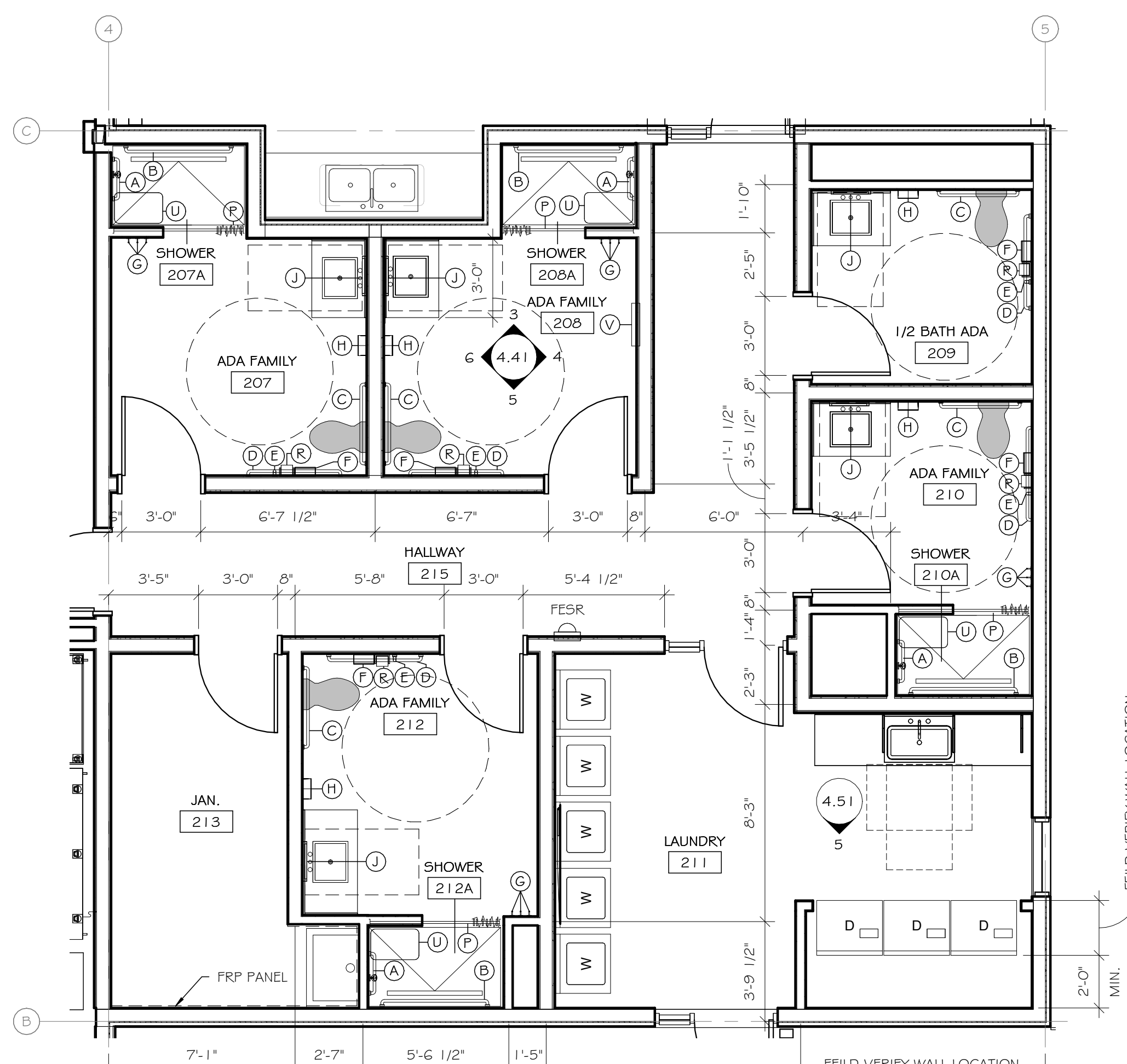
- ACCESSORY NOTES**
1. SURFACE MOUNTED
 2. SEMI-RECESSED
 3. FULLY-RECESSED
 4. OWNER PROVIDED, OWNER INSTALLED
 5. OWNER PROVIDED, CONTRACTOR INSTALLED
 6. CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
 7. SEE ELECTRICAL DRAWINGS
 8. MOUNT VERTICALLY
 9. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS

ACCESSORY SYMBOLS

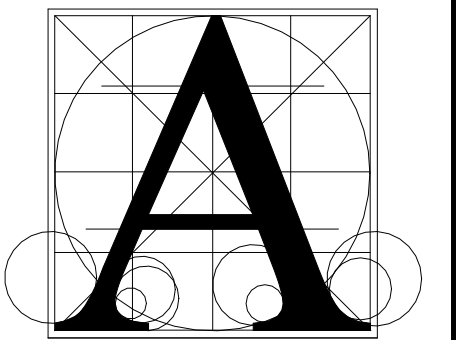
(A) ACCESSORY SYMBOL



2
4.40 ENLARGED LOWER LEVEL RESTROOMS
SCALE: 1/4" = 1'-0"



1
4.40 ENLARGED UPPER LEVEL RESTROOMS
SCALE: 1/4" = 1'-0"



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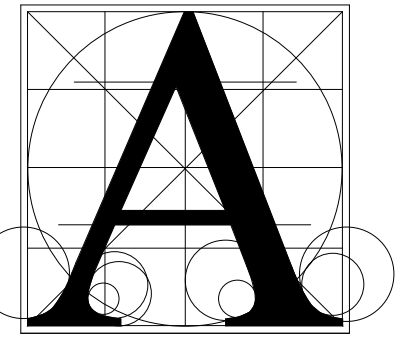
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ENLARGED PLANS

number	3017	
date	08-05-2024	
revision		
drawn	AO/MM checked JGB	
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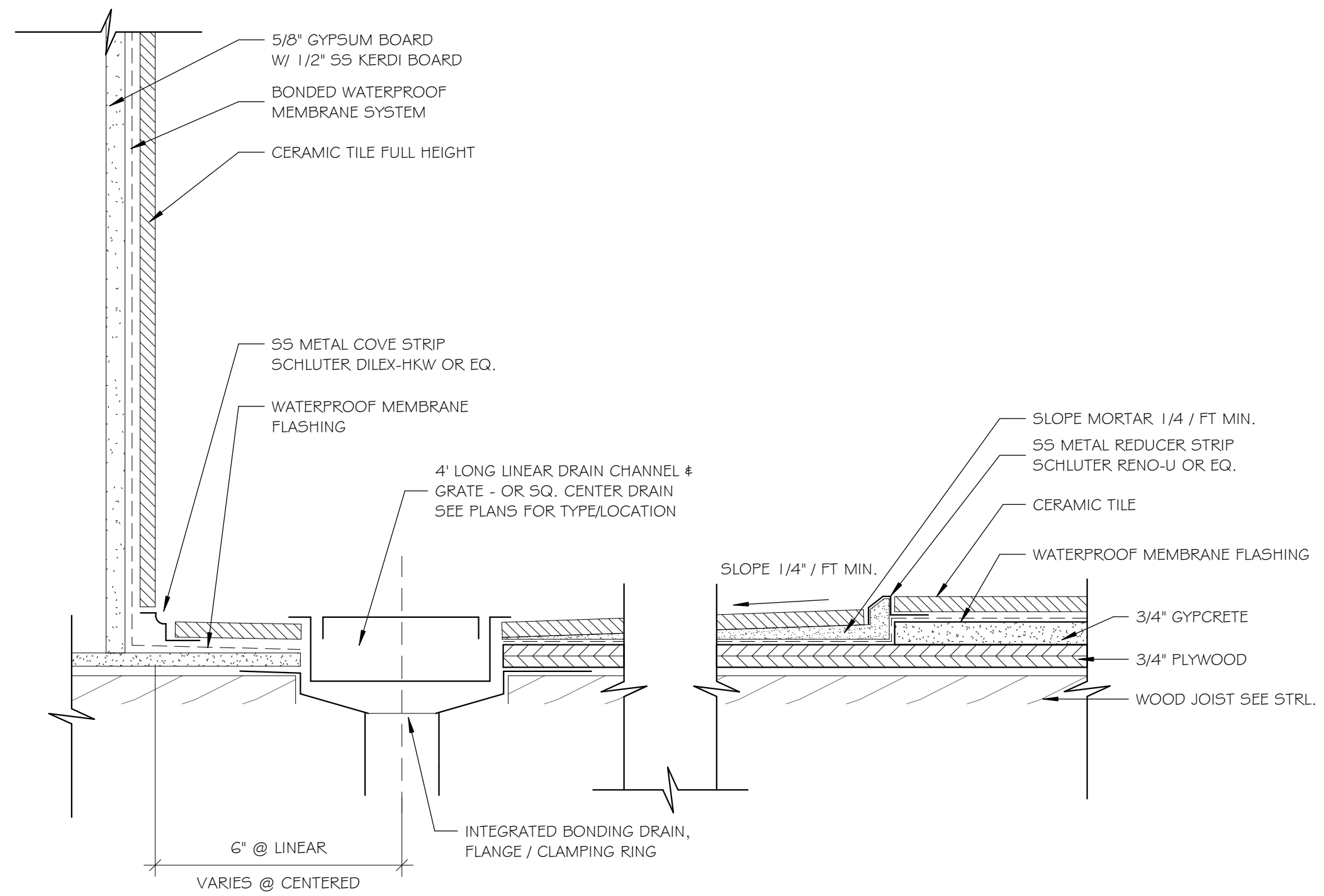
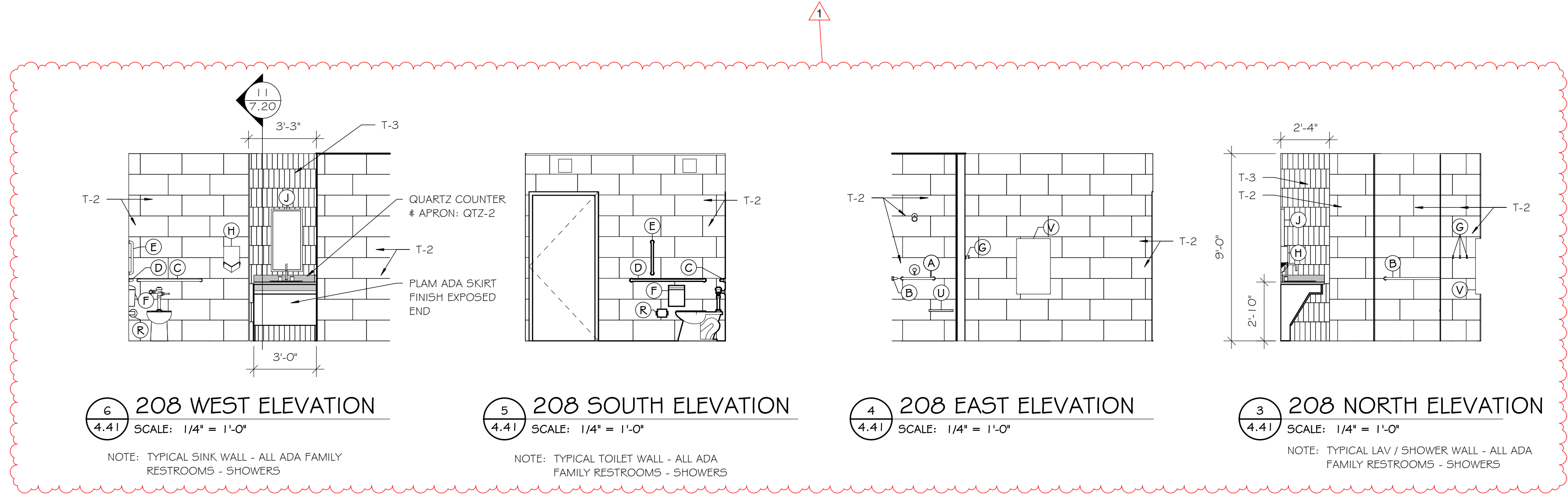
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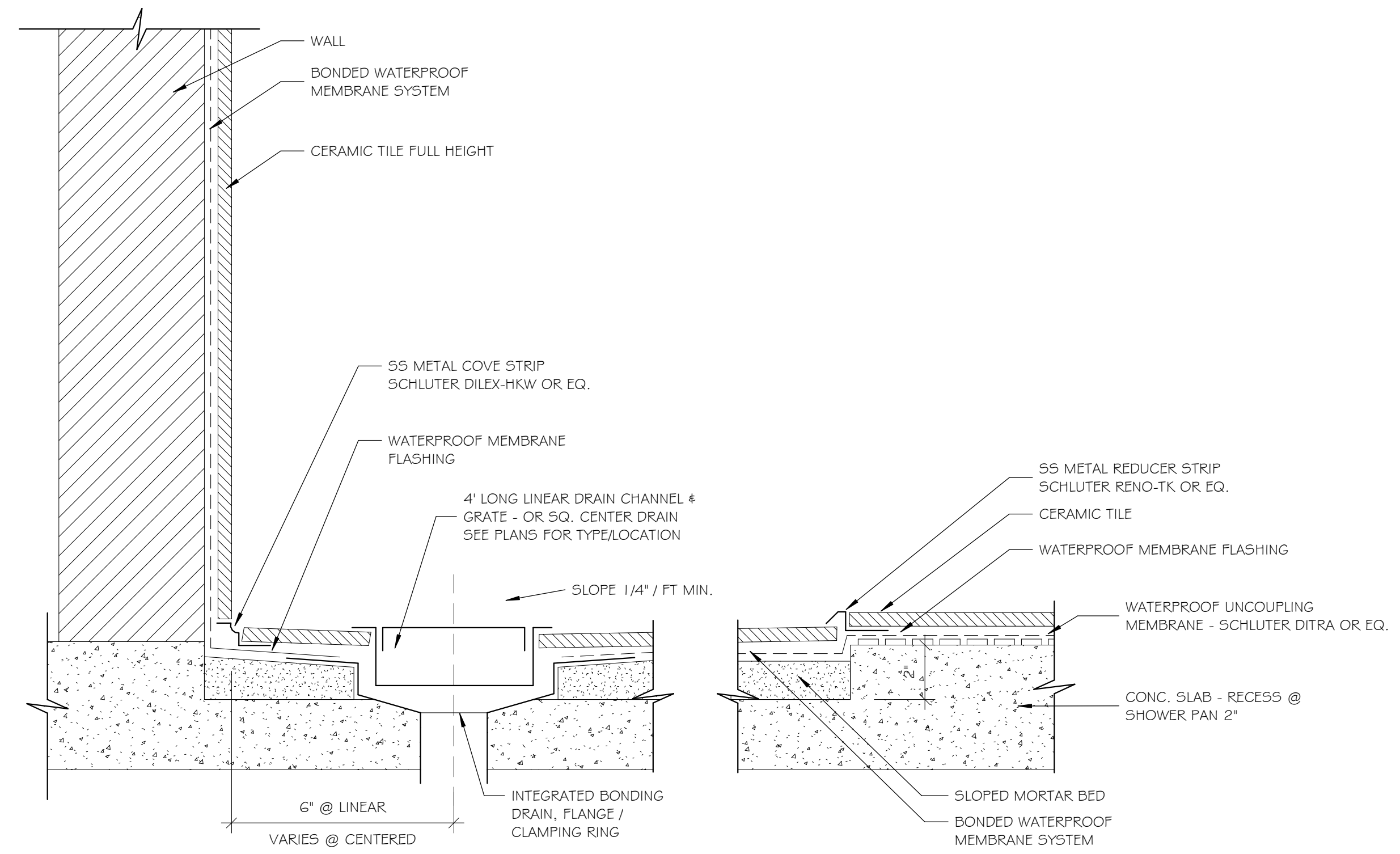
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2 SHOWER DETAIL - LINEAR DRAIN (WOOD)
4.41 SCALE: 3" = 1'-0"



1 SHOWER DETAIL - LINEAR DRAIN
4.41 SCALE: 3" = 1'-0"

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INTERIOR DETAILS & ELEVATIONS

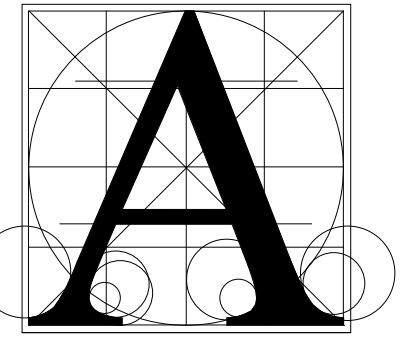
Project

number 3017
date 08-05-2024
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drawn AO/MM checked JGB

NO.	DATE	DESCRIPTION
1	08-23-2024	Addendum #1

4.41

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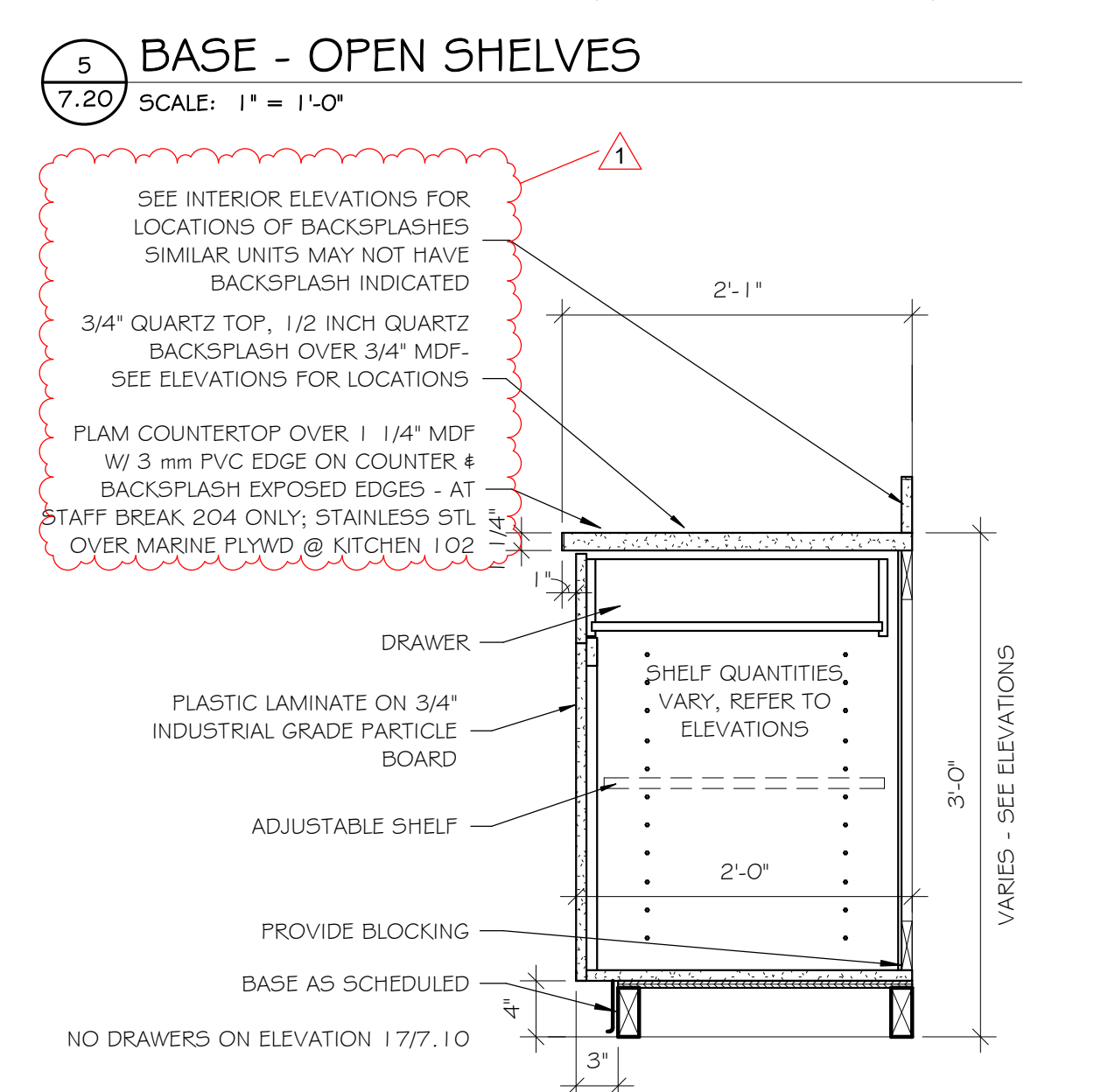
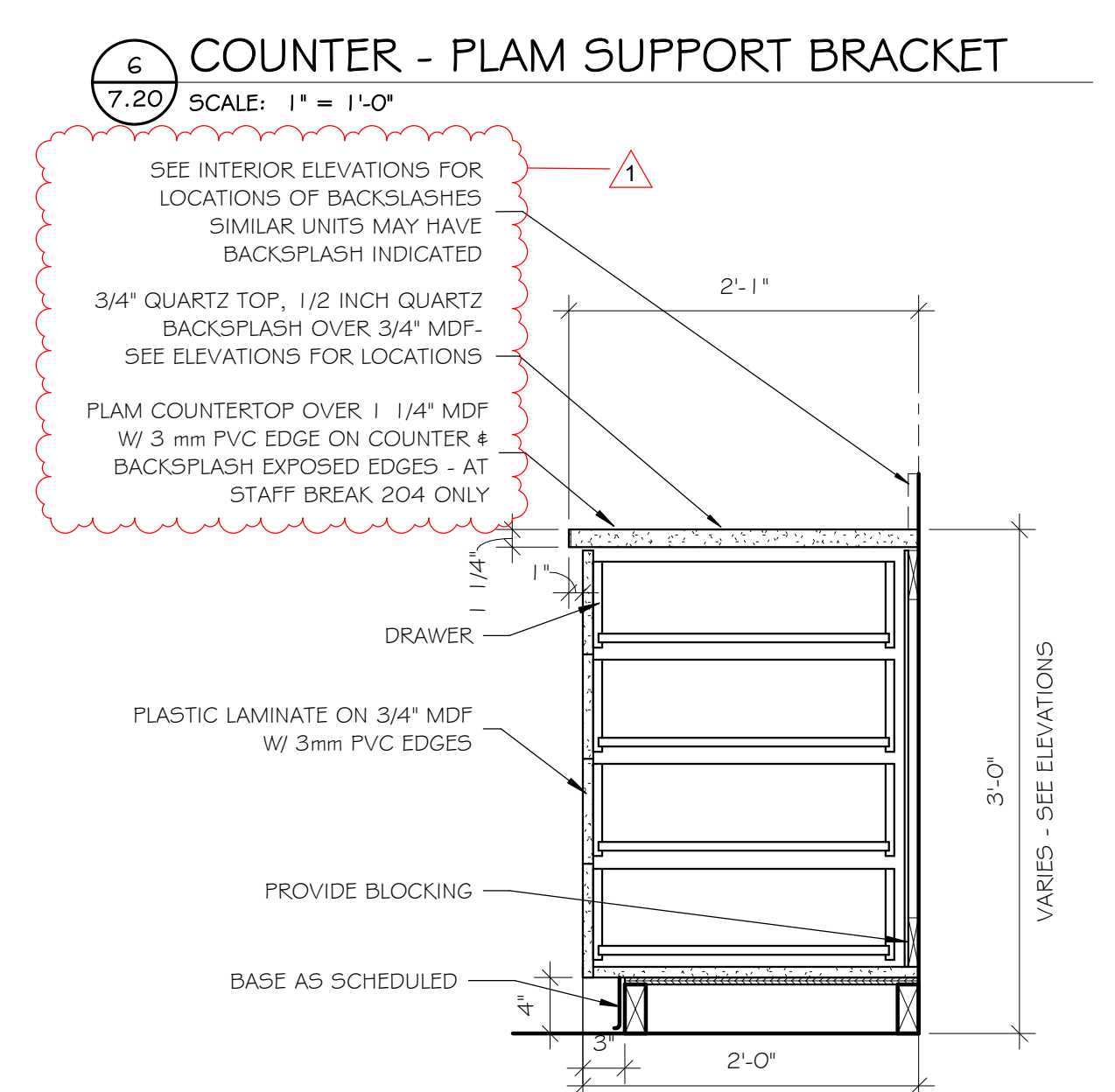
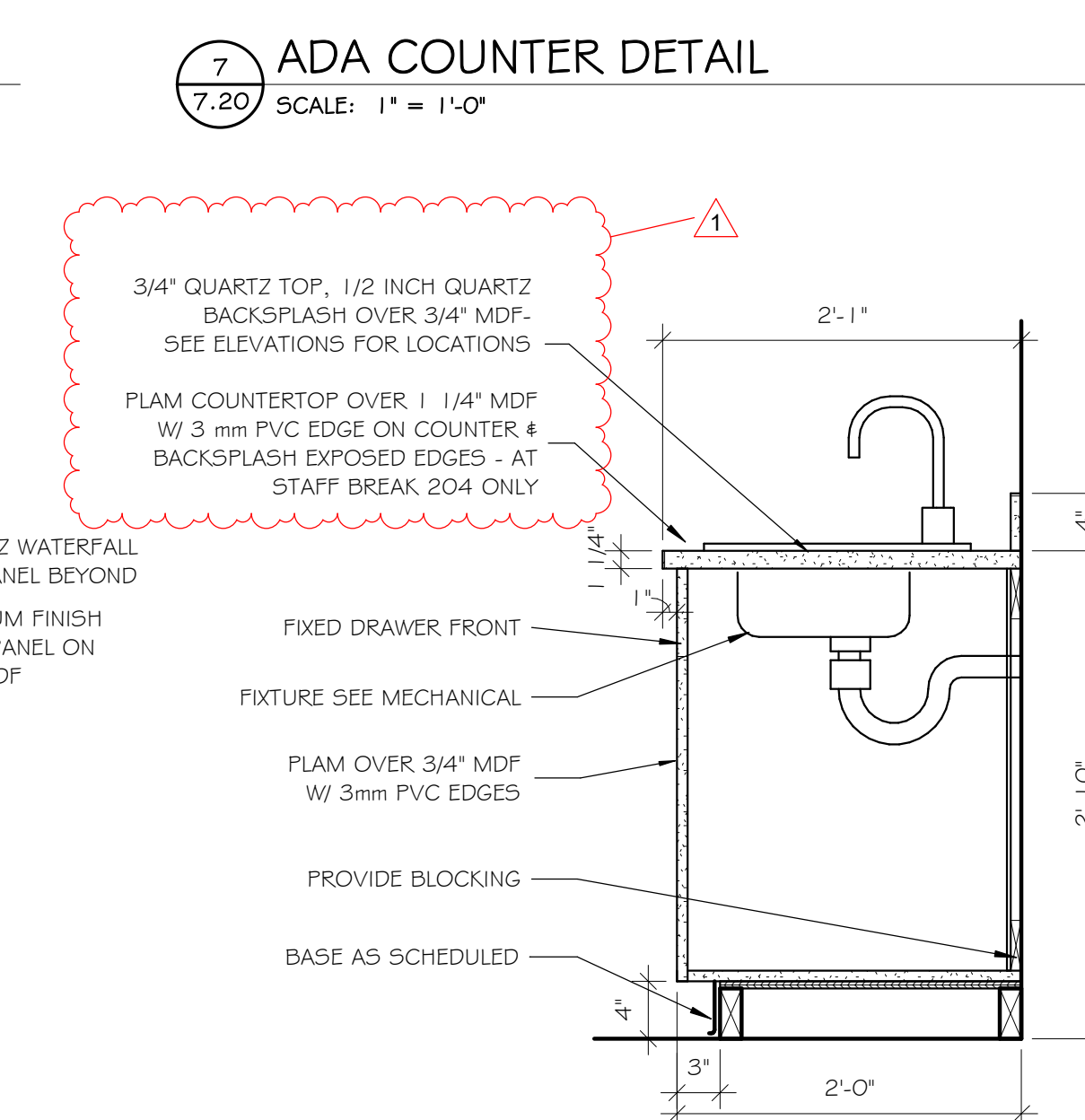
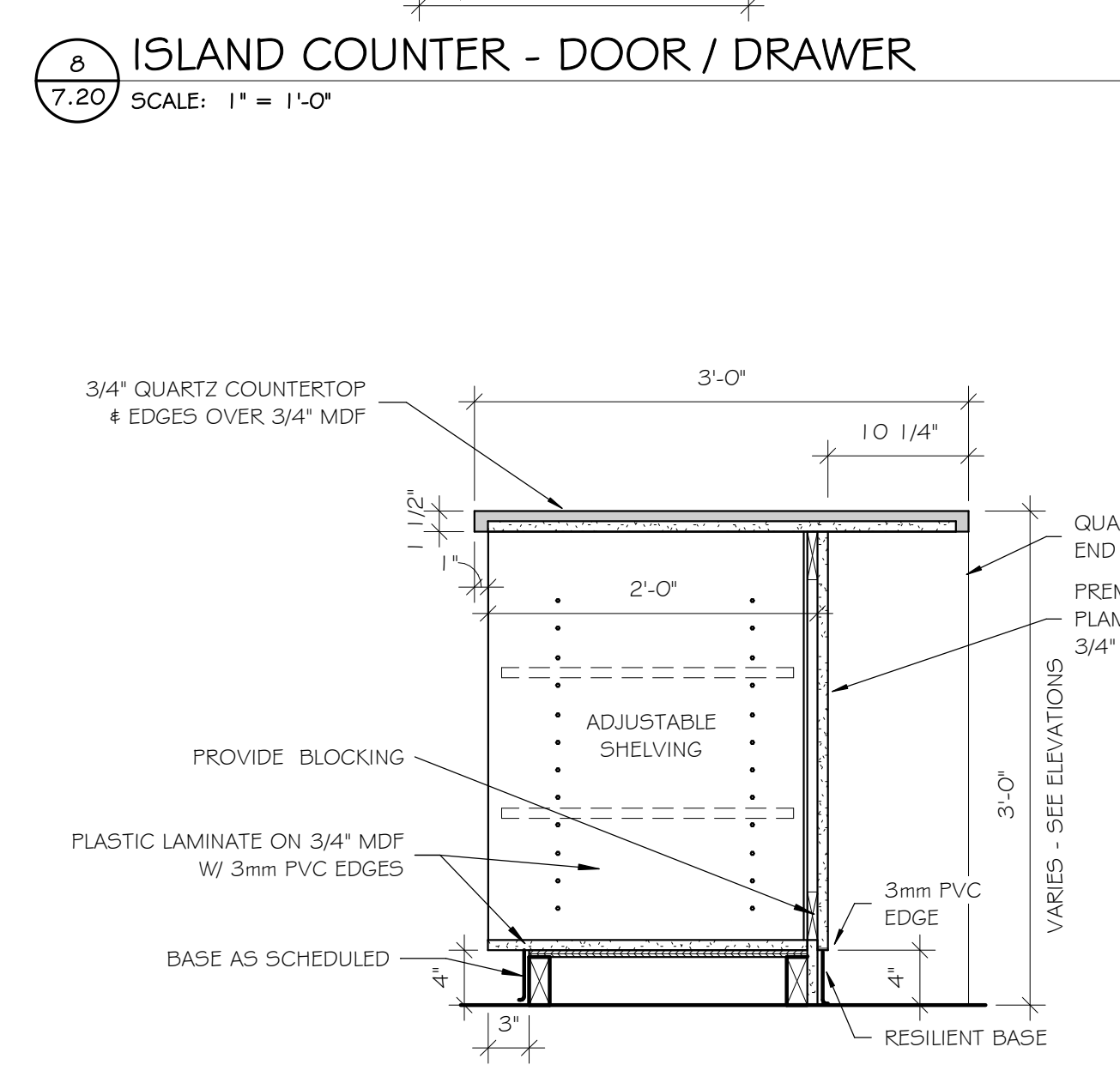
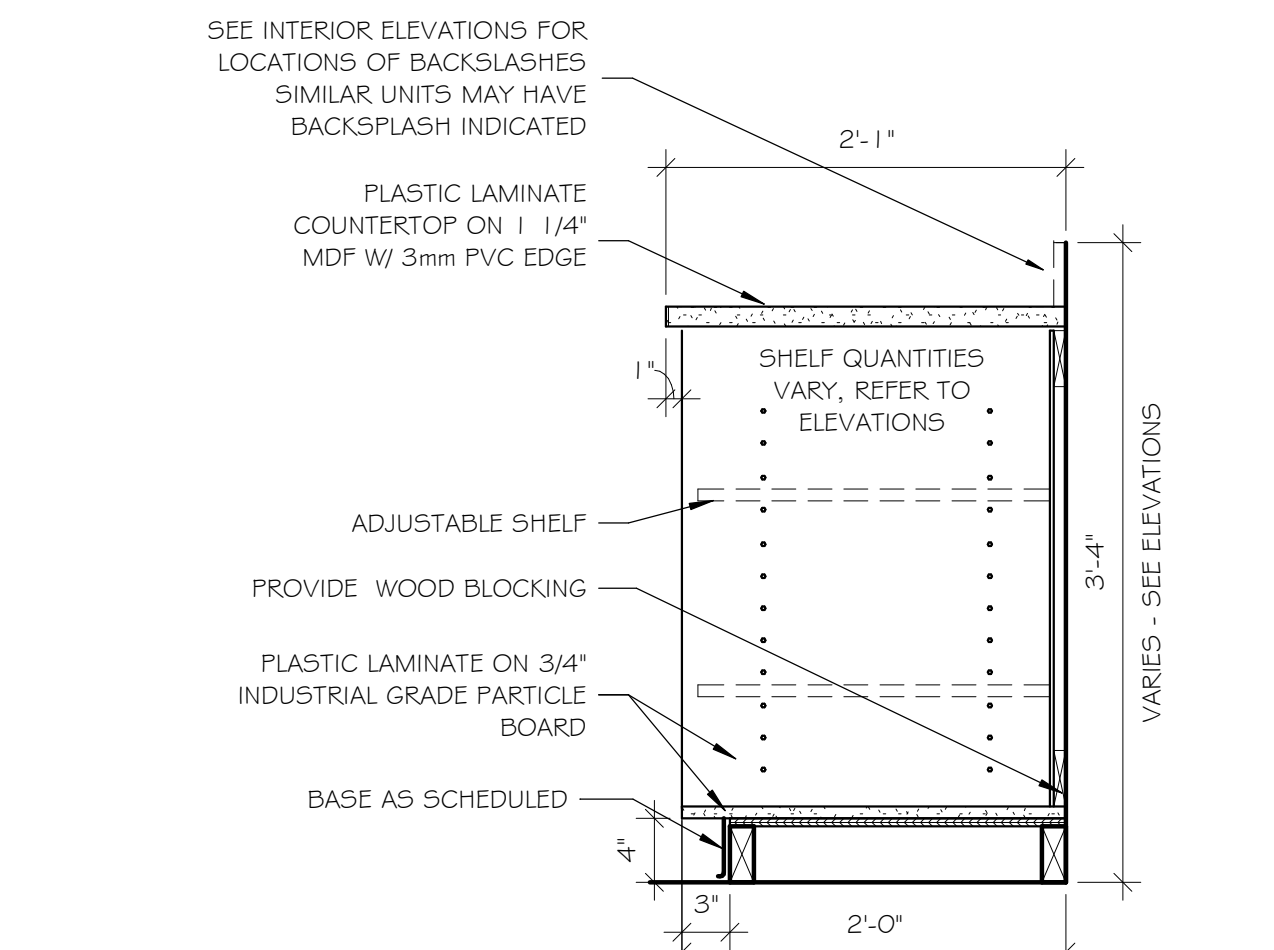
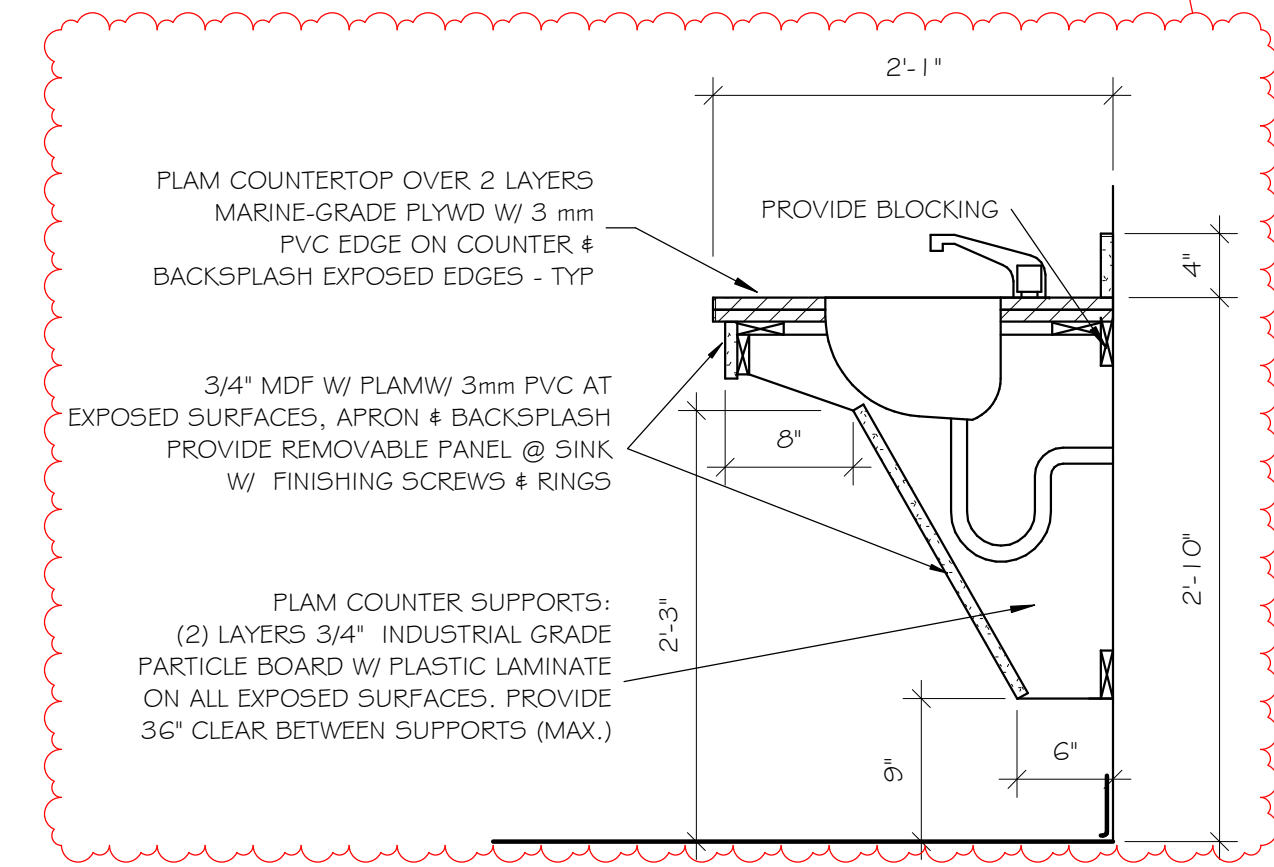
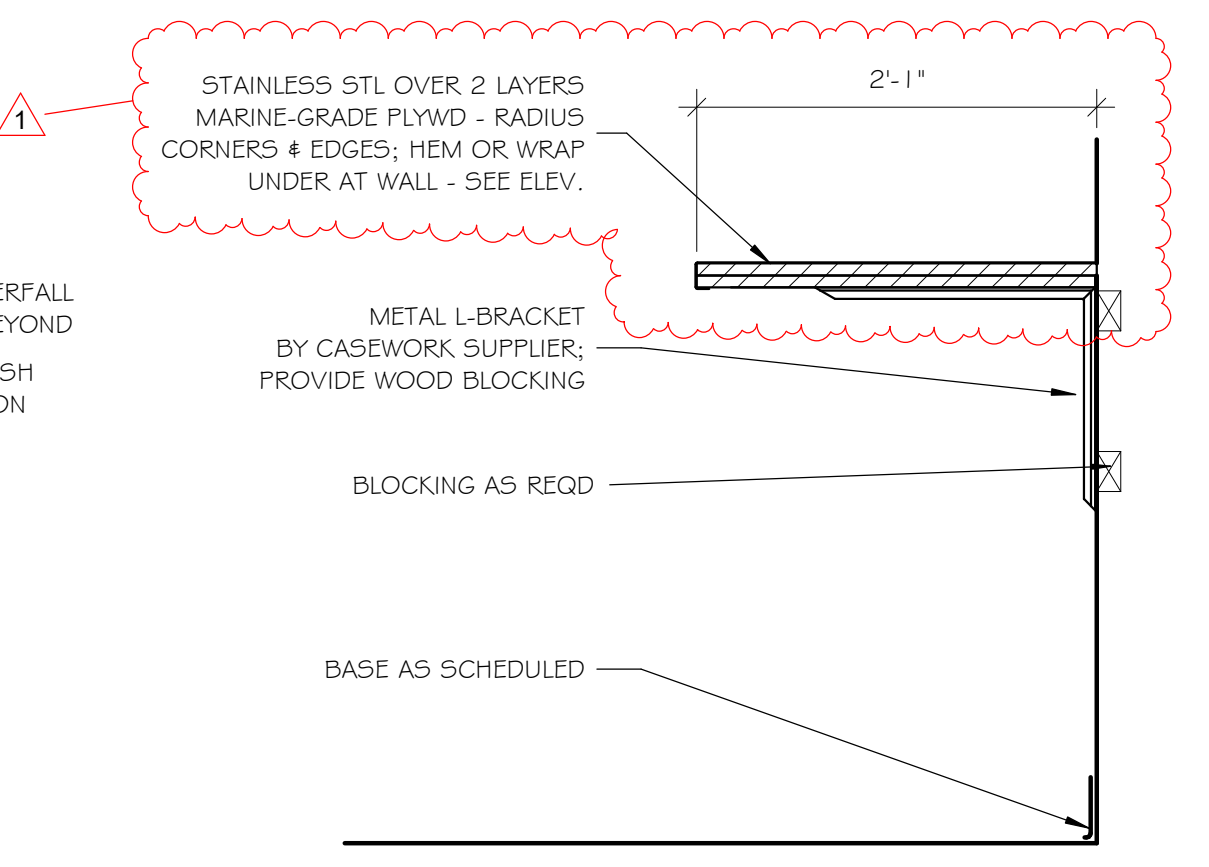
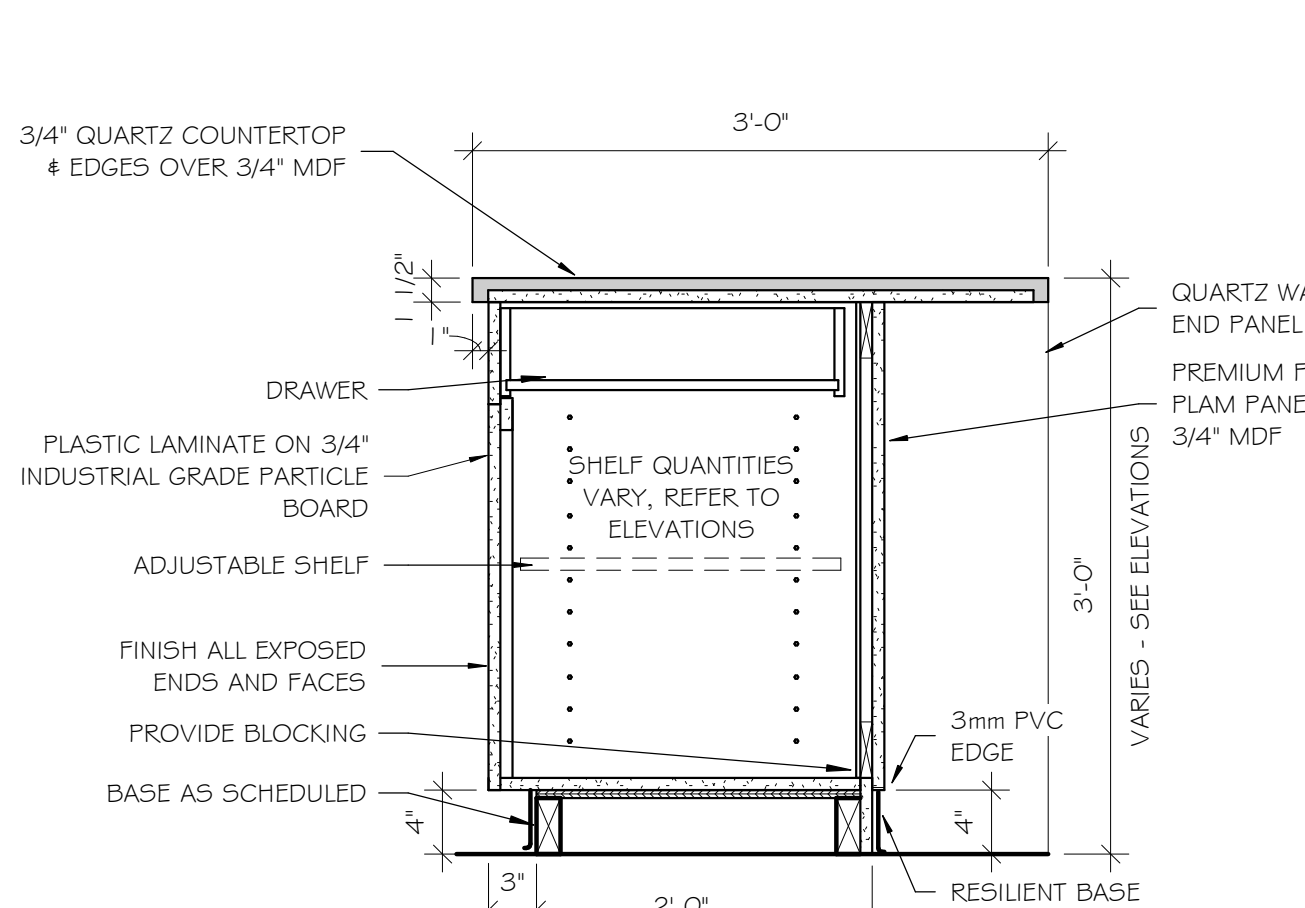
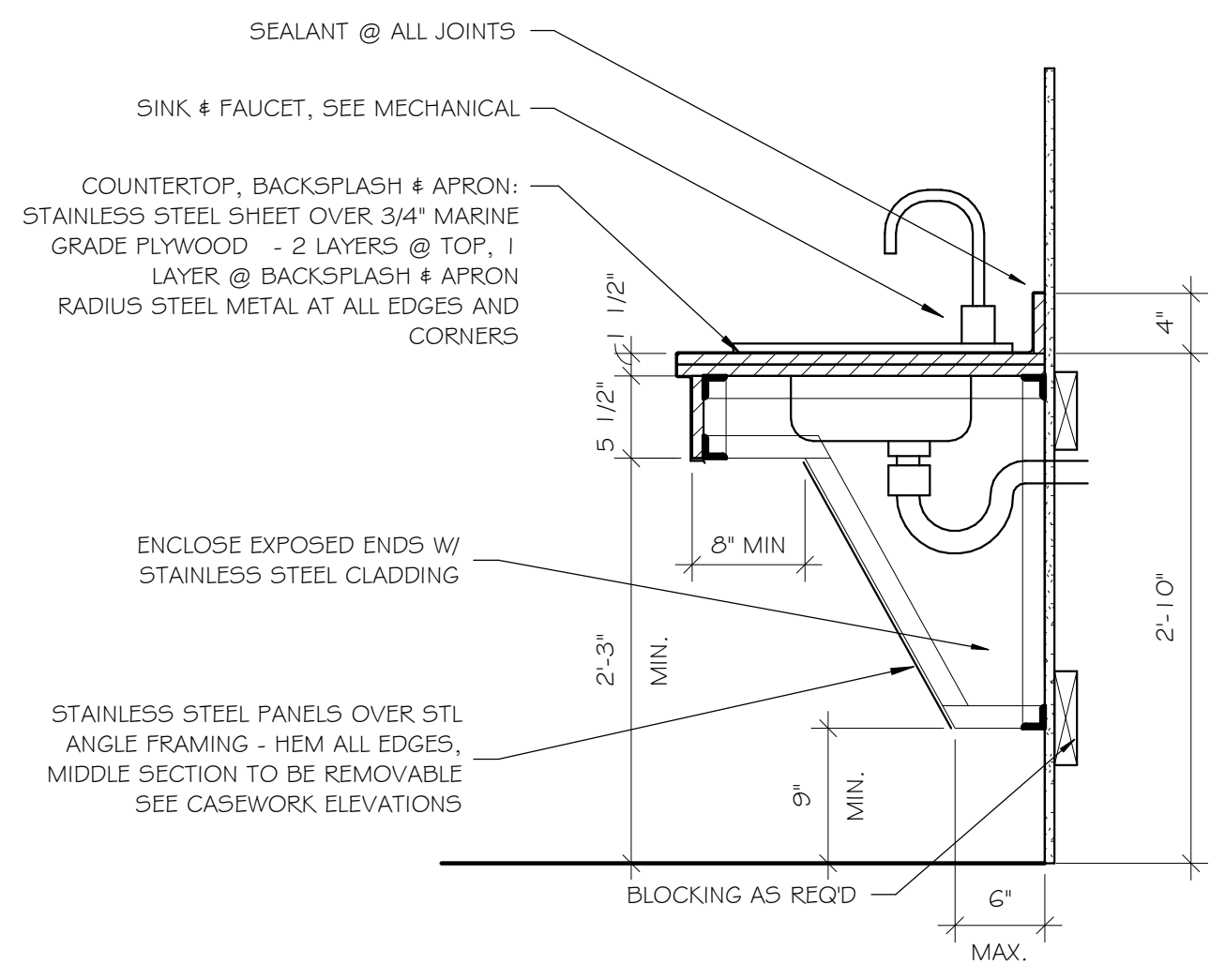
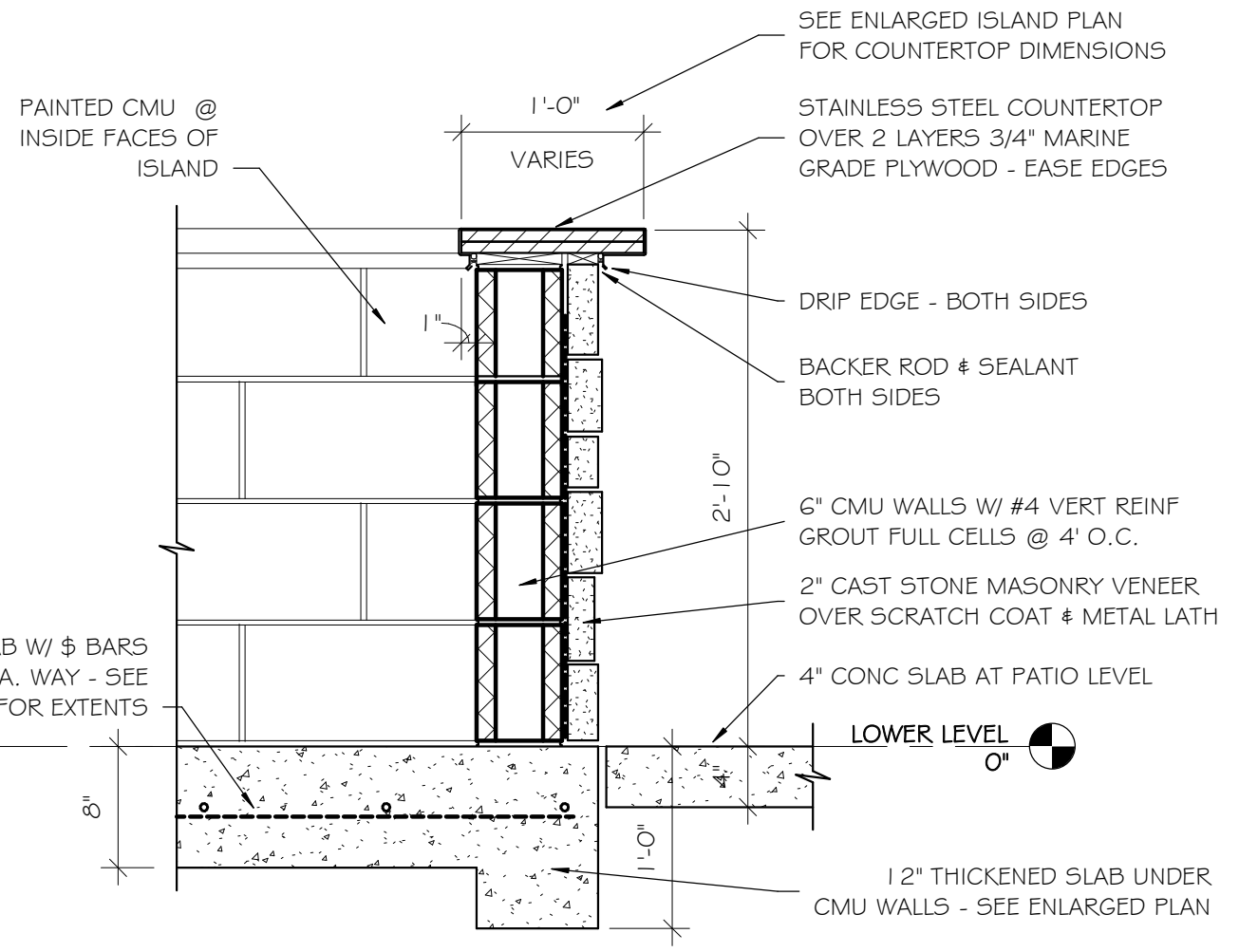
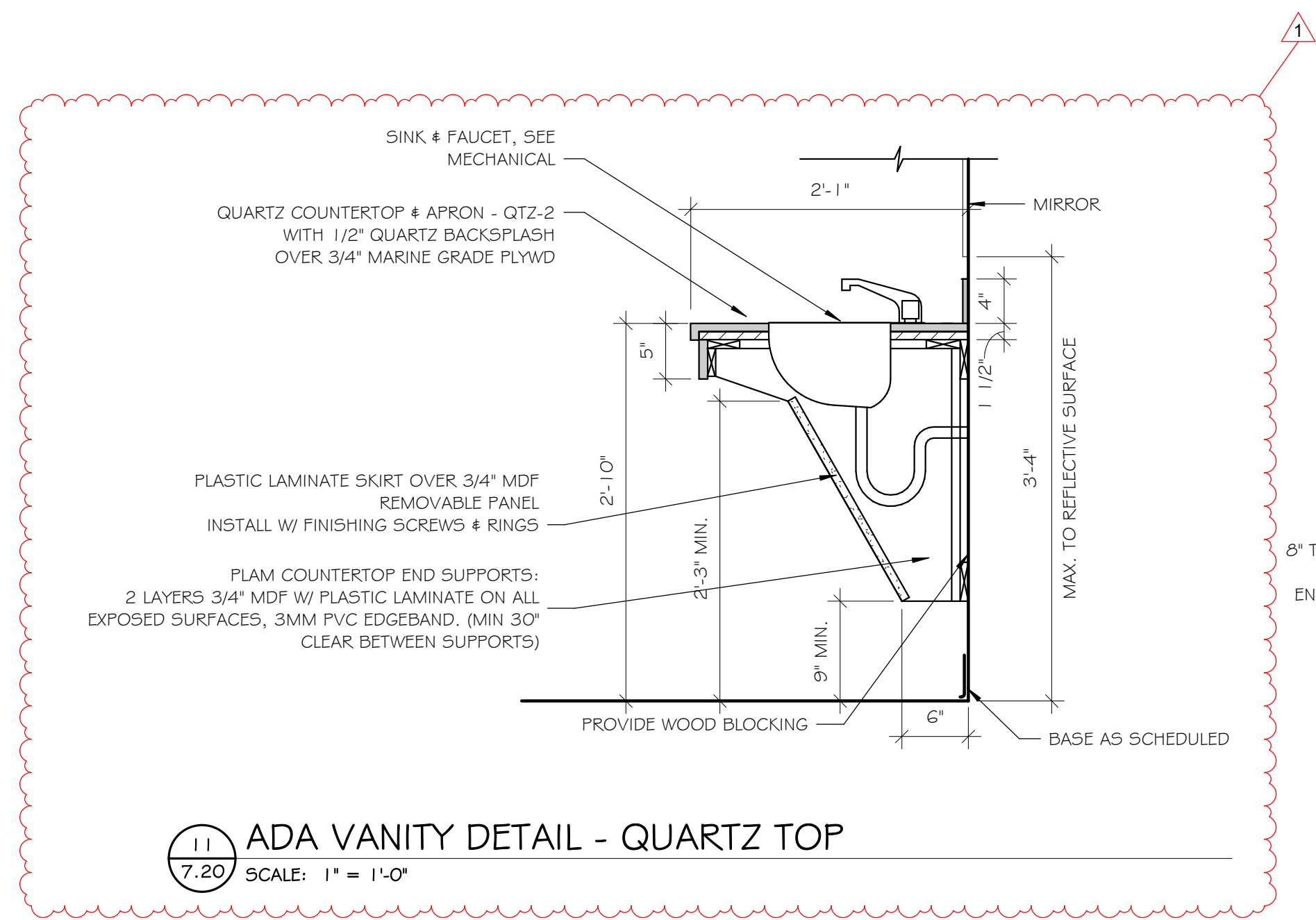
KOA - RAPID CITY OFFICE
CASEWORK SECTIONS

Project

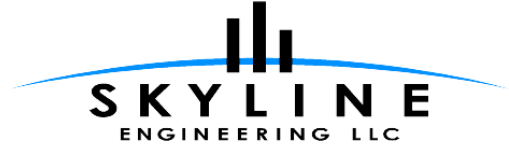
number 3017
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revision
drawn KEB checked JGB

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1	08-23-2024	Addendum #1

7.20



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Attn: Jordan Burbach
Architecture Incorporated
508 7th Street
Suite 200
Rapid City, SD 57701

Project Name: KOA – Rapid City Office
Skyline Project Number: 23037
Addendum Number: 1
Date: August 23, 2024

ADDENDUM NO. 1 - MECHANICAL

This Addendum shall be considered as much a part of the Contract documents as though it had been issued with the original Documents as issued and written therein, in Division and Section. The bidder shall note receipt and make acknowledgment of this Addendum on his bid form, incorporating its provisions in his bid.

- 1) Specifications Revisions:
 - a) None
- 2) Drawing Revisions:
 - a) Sheet 8.31 Lower Level HVAC Plan:
 - i) Refer to plan for location of ERV timer controls.
 - b) Sheet 8.32 Upper Level HVAC Plan:
 - i) Refer to plan for location of ERV timer controls.
- 3) Prior Approvals.
 - a) Contractors and Vendors shall note that space is limited in mechanical locations and it is the responsibility of the Contractor to verify whether equipment substitutions will fit into the allotted space.
 - b) See Division 01 Specifications for Substitution Request forms. These forms are required to be completed for any equipment substitutions prior to or after the bid.
 - c) Subject to project requirements, the following manufacturers are allowed for bidding purposes:

i) Section 233400	Kitchen Hood Exhaust	Greenheck
ii) Section 233400	HVLS Fans and Control	Hunter, MacroAir
iii) Section 233713	Diffusers, Registers, Grilles	Greenheck
iv) Section 235416	Gas-Fired Furnace	Dettson
v) Section 238126	Split-System Air-Conditioners	GREE, Lennox
vi) Schedule (BoD)	Louvers	Greenheck, Nailor

Attachments: Revised Sheets 8.31, 8.32

END OF MECHANICAL ADDENDUM #1

ADDENDUM NO. 1 - ELECTRICAL

This Addendum shall be considered as much a part of the Contract documents as though it had been issued with the original Documents as issued and written therein, in Division and Section. The bidder shall note receipt and make acknowledgment of this Addendum on his bid form, incorporating its provisions in his bid.

- 1) Specifications Revisions:
 - a) None

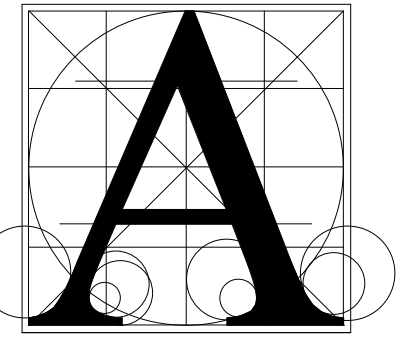
- 2) Drawing Revisions:
 - a) Sheet 9.41
 - i) P1-1A/2A: Revised Catalog Number.

- 3) Acceptable Equivalents:
 - a) Schedule of Lighting Equivalents:
 - i) The following manufacturers are approved for bidding purposes. Note that any substitutions must meet all substitution requirements within the specifications and/or schedules.

Lighting Fixture Types	Illumination Systems	Pulse Products	Lumen FX	JTH Lighting
EX		EMERGI-LITE - PN		
GV2			JESCO - LIN	
H40			JUNO – JPDZ4	
H41			JUNO – JPDZ4	
H41 (BLACK)			LITHONIA – LBR4	
PA-44			EXTANT - HTG	
PA-48			EXTANT - HTG	
P1-2		NLS - NV		
P1-4A		NLS - NV		
P1-1A/2A		NLS - NV		
P2-2B/4B		NLS - NV		
P-SSS		NLS-SSSP		
PB-SSS		NLS-SSSP		
Occupancy Sensor Types				
XP			SENSOR SWITCH - WSXA	
XM			SENSOR SWITCH - WSXA	
CM3			SENSOR SWITCH - CM	
PP			SENSOR SWITCH – PP20	

Attachments: 9.41

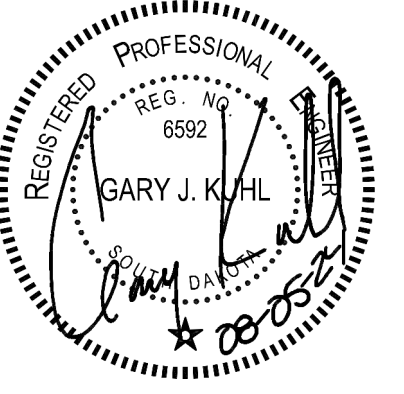
END OF ELECTRICAL ADDENDUM #1



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Phone: (605) 721-1158



Project
KOA - RAPID CITY OFFICE
sheet contents
LOWER LEVEL HVAC PLAN

number 3017
date 08/05/2024
revision
drawn GL checked GJK

NO.	DATE	DESCRIPTION
1	08/23/24	Addendum 1

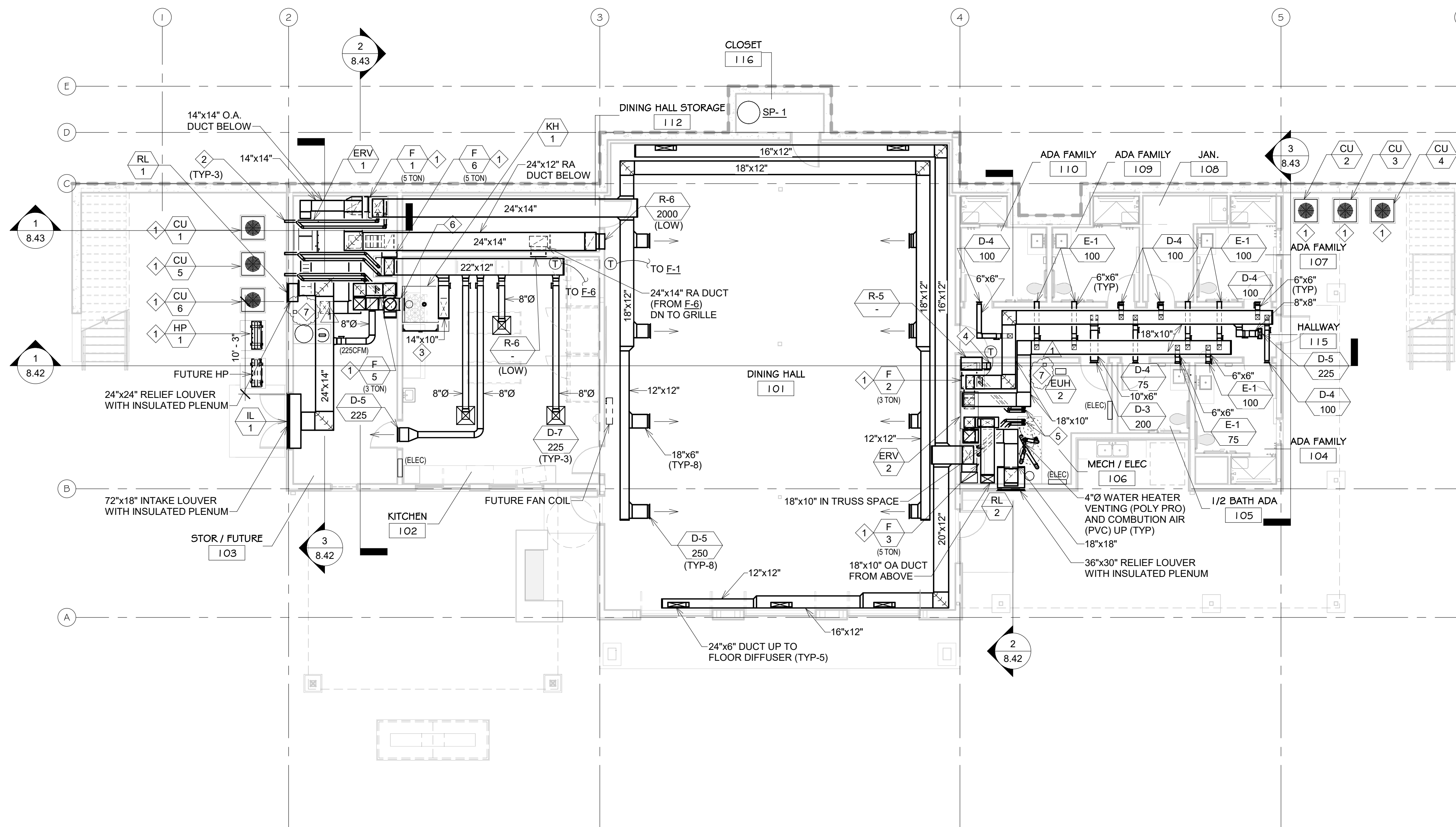
8.31

GENERAL NOTES

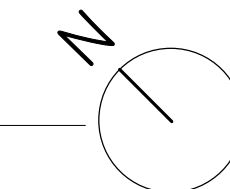
- CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL DUCTWORK, EQUIPMENT AND ALL ASSOCIATED APPURTENANCES INCLUDING FINAL LOCATIONS AND ELEVATIONS WITH ALL OTHER TRADES.
- PROVIDE TURNING VANES IN ALL MITERED ELBOWS.
- CONTRACTOR SHALL NOT ROUTE DUCTWORK OR PIPING ABOVE ELECTRICAL PANELS OR SWITCHGEAR.
- CONTRACTOR SHALL COORDINATE AND VERIFY EXACT ELEVATION AND LINTEL REQUIREMENTS OF ALL DUCTS PASSING THRU CONCRETE WALLS WITH ALL OTHER TRADES.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL DUCTWORK SO AS TO NOT IMPEDE ON ACCESS OR CLEARANCE REQUIREMENTS OF DUCTWORK OR PIPING DEVICES REQUIRING TESTING AND BALANCING.
- PROVIDE YOUNG REGULATOR MODEL 5020CC AND ALL REQUIRED ACCESORIES FOR ALL VOLUME DAMPERS ABOVE GYPSUM CEILINGS, PROVIDE WITH CHROME GROMET.
- COORDINATE FIRE BLOCKING REQUIREMENTS WITH GENERAL CONTRACTOR AT ALL DUCT PENETRATIONS IN WOOD STRUCTURE.

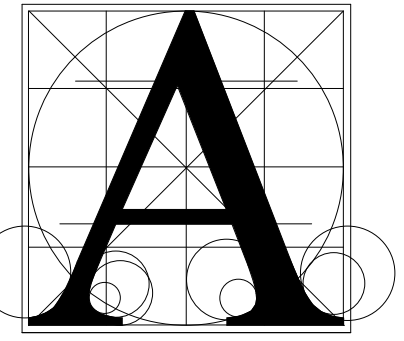
KEYED SHEET NOTES

- PROVIDE 4" CONCRETE HOUSEKEEPING PAD.
- 3" DIA. INTAKE AND 3" DIA. VENTING FROM FURNACE, ROUTE THRU JOIST SPACE. TERMINATE WITH CONCENTRIC VENT PER MANUFACTURERS RECOMMENDATIONS.
- BALANCE HOOD SUPPLY AIR PLENUM TO 1,000 CFM.
- 8"x8" OPEN END RETURN, BALANCE RETURN TO 200 CFM.
- 3" DIA. INTAKE AND 3" DIA. VENTING UP, SEE SHEET 8.32 FOR CONTINUATION.
- 10"Ø ZERO CLERANCE GREASE DUCT.
- DIGITAL TIME CLOCK, MODEL TC7D-W, WALL MOUNT AT 60" A.F.F.



1 LOWER LEVEL HVAC PLAN
8.31 1/8" = 1'-0"





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KOA - RAPID CITY OFFICE
UPPER LEVEL HVAC PLAN

Project

number 3017
date 08/05/2024
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NO.	DATE	DESCRIPTION
1	08/23/24	Addendum 1

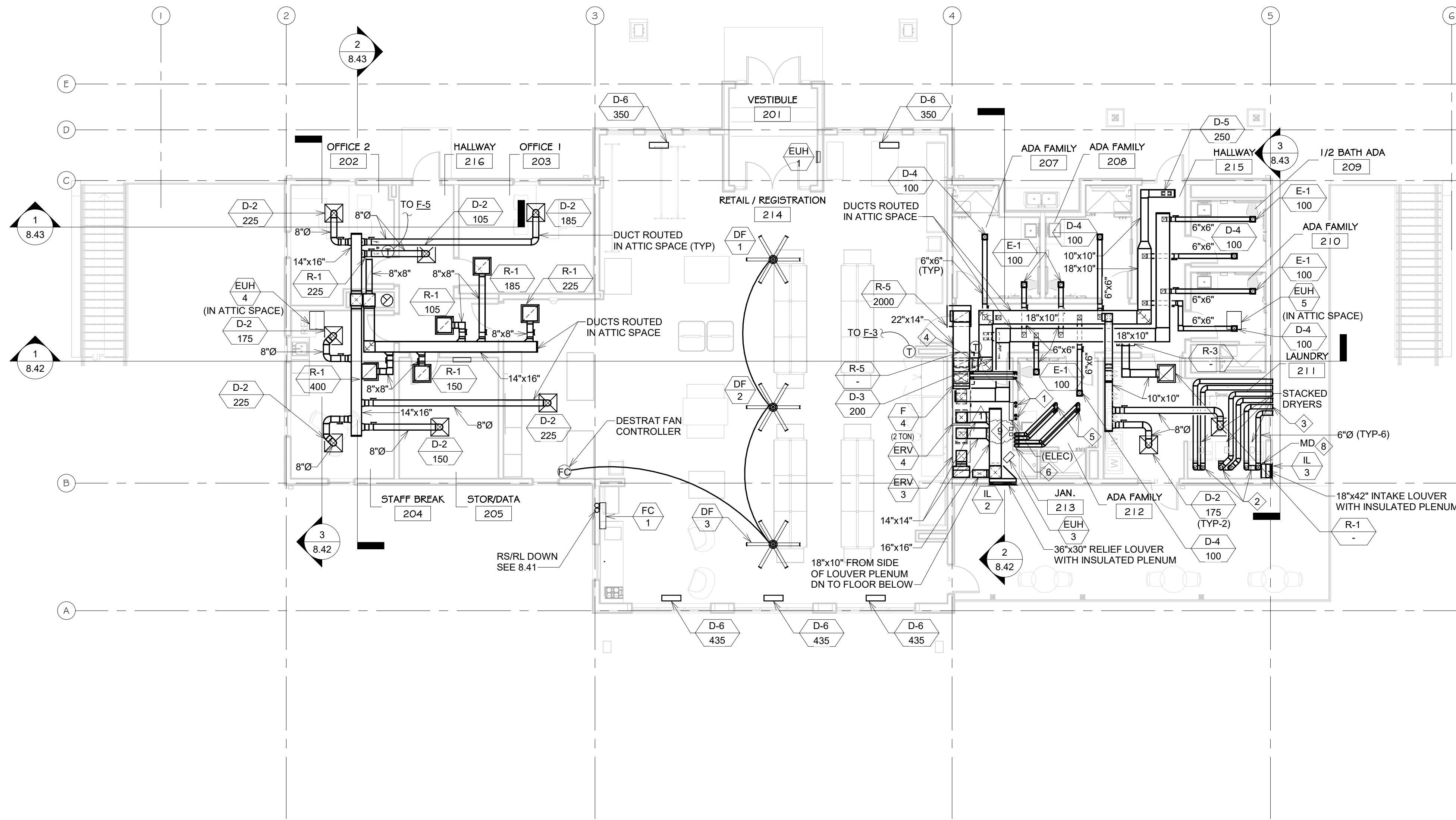
8.32

GENERAL NOTES

- CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL DUCTWORK, EQUIPMENT AND ALL ASSOCIATED APPURTENANCES INCLUDING FINAL LOCATIONS AND ELEVATIONS WITH ALL OTHER TRADES.
- PROVIDE TURNING VANES IN ALL MITERED ELBOWS.
- CONTRACTOR SHALL NOT ROUTE DUCTWORK OR PIPING ABOVE ELECTRICAL PANELS OR SWITCHGEAR.
- CONTRACTOR SHALL COORDINATE AND VERIFY EXACT ELEVATION AND LINTEL REQUIREMENTS OF ALL DUCTS PASSING THRU CONCRETE WALLS WITH ALL OTHER TRADES.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL DUCTWORK SO AS TO NOT IMPEDE ON ACCESS OR CLEARANCE REQUIREMENTS OF DUCTWORK OR PIPING DEVICES REQUIRING TESTING AND BALANCING.
- PROVIDE YOUNG REGULATOR MODEL 5020CC AND ALL REQUIRED ACCESORIES FOR ALL VOLUME DAMPERS ABOVE GYPSUM CEILINGS. PROVIDE WITH CHROME GROMET.
- COORDINATE FIRE BLOCKING REQUIREMENTS WITH GENERAL CONTRACTOR AT ALL DUCT PENETRATIONS IN WOOD STRUCTURE.

KEYED SHEET NOTES

- 3" DIA. INTAKE AND 3" DIA. VENTING UP IN WALL THROUGH ATTIC SPACE. TERMINATE WITH CONCENTRIC VENT KIT PER MANUFACTURERS REQUIREMENTS. SEE 8.31 FOR CONTINUATION DOWN.
- PROVIDE CLEANOUT AT BACK OF VERTICAL SECTION OF DRYER DUCT (TYP).
- PROVIDE PREMIUM DRYER WALL VENT, MODEL 6WV (INOVATE TECHNOLOGIES INCORPORATED) WITH REMOVABLE SCREEN. COLOR BY ARCHITECT (TYP-6 LOCATIONS).
- 8"x8" OPEN END RETURN, BALANCE TO 200 CFM.
- 4"Ø WATER HEATER VENTING (POLY PRO) AND COMBUSTION AIR (PVC) UP THRU ROOF, TERMINATE PER MANUFACTURERS RECOMMENDATIONS.
- 4"Ø WATER HEATER VENTING (POLY PRO) AND COMBUSTION AIR (PVC) DOWN, SEE SHEET 8.31 FOR CONTINUATION.
- 10"Ø ZERO CLEARANCE GREASE DUCT.
- MOTORIZED DAMPER INTERLOCKED WITH DRYER OPERATION. SEE ELECTRICAL.
- DIGITAL TIME CLOCK, MODEL TCTD-W. WALL MOUNT AT 60" A.F.F.



1
8.32 UPPER LEVEL HVAC PLAN
1/8" = 1'-0"

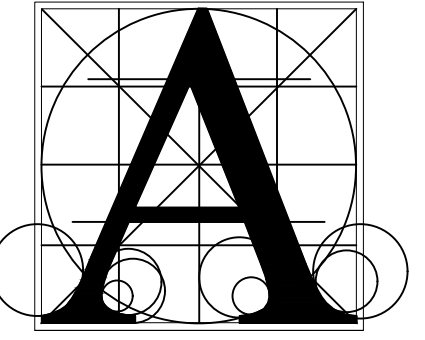


LIGHT FIXTURE SCHEDULE

FIXTURE TYPE	FIXTURE DESCRIPTION (FEATURES)	VOLTS	MOUNTING	LAMPS	CONTROL MEDIA: LENS, LOUVERS, ETC.	MFR.	CATALOG NUMBER	FIXTURE COLOR/ FINISH	MIN. FIXTURE CRI	UV LENS OR LAMP COVER	LIGHT LOSS FACTOR (5% TOL.)	DESIGNED FIXTURE EFFICACY	MAX WATTS INTO FIXTURE	MIN. LUMENS OUT OF FIXTURE	MIN. RESULTANT EFFICACY	SPECIFIC NOTES
P2-1A/2A	LOW-PROFILE AREA/SITE LED, TWIN HEAD, TYPE II, 8500 LUMENS PER HEAD	120/277	PA-SSS	INTEGRAL LED, 4000K U.N.O.	DIE-CAST ALUMINUM, TWIN ARM MOUNT	LUMEN FX - LITHONIA	DSX1 LED-P2-40K-T1S-MVOLT-SPA-DBLXD & DSX1 LED-P2-40K-T2M-MVOLT-SPA-DBLXD	ADD BLACK	70	CLEAR OR NONE	0.90	121	72	7,421	117	1
P2-2B/4B	LOW-PROFILE AREA/SITE LED, TWIN HEAD, TYPE II, 12,500 LUMENS PER HEAD	120/277	PB-SSS	INTEGRAL LED, 4000K U.N.O.	DIE-CAST ALUMINUM, TWIN ARM MOUNT	LUMEN FX - LITHONIA	(1) DSX1 LED-P3-40K-T2M-MVOLT-SPA-DBLXD & DSX1 LED-P3-40K-TFTM-MVOLT-SPA-DBLXD	BLACK	70	CLEAR OR NONE	0.90	123	105	11,250	118	1
POLES FOR PARKING AND AREA/SITE LIGHTS																
P-SSS	12' SQUARE STRAIGHT STEEL, GROUND LUG, VIBRATION DAMPER	-----	RAISED BASE	-----	14' MOUNTING HEIGHT, 4" MIN SHAFT SIZE, 100 MPH MAX EPA OF 8.7 SQUARE FEET, 100LBS MAX FIXTURE LOAD	LUMEN FX - LITHONIA	SSS-12-4C-(ARMS)-VD-DBBXD	DARK BRONZE	-----	-----	-----	-----	-----	-----	-----	2.3
PB-SSS	25' SQUARE STRAIGHT STEEL, GROUND LUG, VIBRATION DAMPER	-----	RAISED BASE	-----	25' MOUNTING HEIGHT, 5" MIN SHAFT SIZE, 100 MPH MAX EPA OF 3.5 SQUARE FEET, 200LBS MAX FIXTURE LOAD	LUMEN FX - LITHONIA	SSS-25-5C-(ARMS)-VD-DBBXD	DARK BRONZE	-----	-----	-----	-----	-----	-----	-----	3
EXTERIOR SCENCE LIGHTS																
SCUD	5"W x 12"H WALL MOUNT SCENCE LIGHT, 2300 LUMENS UP/DOWN ILLUMINATION	120	SURFACE	INTEGRAL LED, 3000K	ALUMINUM HOUSING, SOLITE LENS	LUMINIS	SQ602-L2L25-R15-120V-BKT-SLU-SLD	BLACK	85	NONE	0.90	92	52	4,016	88	1
SCUDE	5"W x 12"H WALL MOUNT SCENCE LIGHT, 2300 LUMENS UP/DOWN ILLUMINATION W/ EMERGENCY BATTERY	120	SURFACE	INTEGRAL LED, 3000K	ALUMINUM HOUSING, SOLITE LENS	LUMINIS	SQ602-L2L25-R15-120V-BKT-SLU-SLD	BLACK	85	NONE	0.90	92	52	4,016	88	1
W2	5"W x 12"H WALL MOUNT SCENCE LIGHT, 1600 LUMENS	120	SURFACE	INTEGRAL LED, 3000K	ALUMINUM HOUSING, SOLITE LENS	LUMINIS	SQ600-L1L15-R30-120V-BKT	BLACK	85	NONE	0.90	92	52	4,016	88	1
W2E	5"W x 12"H WALL MOUNT SCENCE LIGHT, 1600 LUMENS W/ EMERGENCY BATTERY	120	SURFACE	INTEGRAL LED, 3000K	ALUMINUM HOUSING, SOLITE LENS	LUMINIS	SQ600-L1L15-R30-120V-BKT-REML2-50	BLACK	85	NONE	0.90	92	52	4,016	88	1
GENERAL NOTES:																
A. UNLESS A SPECIFIC CATALOG NUMBER OR SERIES IS LISTED, PROPOSED ALTERNATE MANUFACTURERS' FIXTURE CUTSHEETS AND PHOTOMETRIC REPORTS MUST BE SUBMITTED TO THE ENGINEER AT LEAST 10 DAYS PRIOR TO BID DATE. IF THE SUBMITTED FIXTURE IS DETERMINED NOT TO BE EQUAL OR BETTER BY THE ENGINEER IT WILL NOT BE APPROVED BY ADDENDUM.																
B. TYPES A, B, & C FIXTURES SHALL BE FIELD ADJUSTABLE. THE EC SHALL COMMISSION TYPES A, B AND C COLOR TEMPERATURE TO 3500K UNLESS ADJUSTED VIA "K" INDICATED ON PLAN ADJACENT TO THE FIXTURE. FIXTURES POWER/LUMENS SHALL BE ADJUSTABLE FOR LOW, MEDIUM AND HIGH OUTPUT. THE DEFAULT OUPUT SETTING SHALL BE SET TO THE LOW POWER/OUTPUT SETTING AS DEFINED IN THIS SCHEDULE. INCREASED SETTING - FOR EACH "*" BEHIND THE FIXTURE TYPE, INCREASE THE FIXTURE OUTPUT IN THAT FIXTURE TO THE NEXT OUTPUT LEVEL. I.E., FOR TYPE B+, COMMISSION THE OUTPUT TO THE THIRD OUTPUT LEVEL INDICATED IN THIS SCHEDULE FOR THAT FIXTURE TYPE. SEE LIGHTING PLANS FOR SETTINGS.																
C. ALL FIXTURES TO BE 120/277V UNLESS NOTED AS ONE VOLTAGE. WHEN THE VOLTAGE IS INDICATED AS 120/277, PROVIDE MULTIVOLT BALLASTS CAPABLE OF OPERATING AT 120V OR 277V.																
D. ALL FIXTURES/LAMPS TO BE 2700K, 3000K, 3500K OR 4000K +/- 5%, AS INDICATED. ALL PROPOSED EQUALS MUST HAVE ESSENTIALLY EQUAL OPTICS/PATTERN.																
E. U.N.O., ALL INTEGRAL LED FIXTURE TYPES SHALL ACCEPT A 0-10Vdc DIMMING INPUT.																
F. VERIFY CEILING TYPE WITH ARCHITECTURAL PLANS PRIOR TO ORDERING FIXTURES.																
G. "NL" DENOTES NIGHT-LIGHT FIXTURE IS ON A 24/7 CIRCUIT.																
H. COLOR FINISHES SHALL BE PER SCHEDULE. IF ANY COLOR IS UNAVAILABLE OR A COLOR SHIFT IS REQUIRED, CONFIRM FINISHES/COLOR WITH ARCHITECT PRIOR TO RELEASE.																
I. FOR PENDANT-MOUNTED FIXTURES, CONFIRM MOUNTING HARDWARE, SUSPENSION TYPE/MATERIAL, AND SUSPENSION LENGTHS REQUIRED PRIOR TO ORDERING FIXTURES.																
SPECIFIC NOTES:																

OCCUPANCY SENSOR SCHEDULE

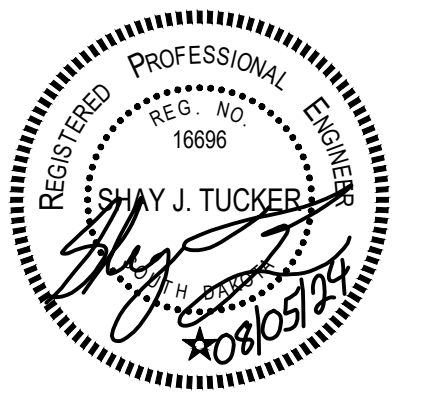
TYPE	TECHNOLOGY	MINIMUM SENSOR COVERAGE	GENERAL APPLICATION	FEATURES	VOLTS	MOUNTING	MANUFACTURER	CATALOG NUMBER	TIME-OFF DELAY	TYPICAL COMMISSIONED AUTO/MANUAL-ON MODE	POWER BASE OR PACK	NOTES & REMARKS
SENSORS												
CM3	MULTI-TECH	1500 SQ FT @ 360 deg.	OFFICE W/ CUBICLES, CLASSROOMS, CAFETERIAS	---	24VDC	CEILING	LEVITON	OSC20-MOW	10-30 MIN ADJUSTABLE COMMISSION TO: 10 MIN.	AUTO-ON	BASE OR PACK	
XM	MULTI-TECH	1000 SQ FT @ 180 deg.	OFFICE AND STORAGE AREAS	SINGLE-POLE RELAY	120/277VAC	WALL SWITCH	LEVITON	OSSMT-MD	10-30 MIN ADJUSTABLE COMMISSION TO: 10 MIN.	AUTO-ON	NO	
XP	PIR	1600 SQ FT @ 180 deg.	SMALL OFFICES, CONFERENCE ROOMS, LOUNGES, STORAGE, PRIVATE RESTROOMS	SINGLE-POLE RELAY	120/277VAC	WALL SWITCH	LEVITON	ODS15-ID	10-30 MIN ADJUSTABLE COMMISSION TO: 10 MIN.	AUTO-ON	NO	
SENSOR ACCESSORIES												
PB	---	---	COMPATIBLE WITH ANY LEVITON LOW-VOLTAGE SENSOR	POWER BASE (40mA OUTPUT)	120/277VAC	CEILING BOX	LEVITON	OPB15-0DW	---	---	---	
PP	---	---	COMPATIBLE WITH ANY LEVITON LOW-VOLTAGE SENSOR	POWER PACK (150mA OUTPUT)	120/220/277VAC	JUNCTION BOX	LEVITON	OPP20-0D2	---	---	---	
GENERAL:												
A. SENSOR WIRING SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.												
B. PROVIDE POWER PACKS, POWER BASES AND ADD-A-RELAYS PER SCHEDULE OR AS REQUIRED BY APPROVED SENSOR MANUFACTURER. POWER PACKS AND RELAYS SHALL BE INSTALLED IN J-BOX ABOVE ACCESSIBLE CEILING.												
C. FOR ROOMS UTILIZING DUAL-LEVEL SWITCHING, CONNECT THE OCCUPANCY SENSOR'S PRIMARY CONTACT TO OUTBOARD LAMPS.												
D. WHERE SWITCHES ARE SHOWN ON PLANS IN CONJUNCTION WITH AN OCCUPANCY SENSOR, THE SENSOR SHALL REMAIN UNSWITCHED AND THE SWITCHES WIRED AS AN OVERRIDE OFF.												
E. LEVITON CEILING TYPE OCCUPANCY SENSORS MUST BE INSTALLED IN AN OCTAGON BACKBOX. THE LEVITON RING WILL NOT COVER A STANDARD 4 SQUARE BOX.												
F. WHERE HVAC CONTROLS ARE INTERLOCKED WITH OCCUPANCY SENSORS, EACH HEAD SHALL BE INTERLOCKED TO THE HVAC UNIT. ANY OCCUPANCY ENABLES HVAC.												



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ELECTRICAL SCHEDULES

number 3017
date 08/05/2024
revision
drawn BR5 checked SJT

NO.	DATE	DESCRIPTION
1	8/8/2024	ADDENDUM #1



9.41