



**Visions In Education**  
**TENANT IMPROVEMENT PROJECT**  
**Project # 24-01**  
**ADDENDUM NO. 1**

May 1, 2024

Owner: Visions In Education  
11931 Foundation Place  
Gold River, CA 95670

Architect: GRA Architecture, Inc.  
205 23<sup>rd</sup> Street, Suite 130  
Sacramento, CA 95816

Project Manager: Capital Program Management, Inc.  
1851 Heritage Lane, Suite 210  
Sacramento, CA 95815

This Addendum has been prepared to clarify, modify, delete, or add to the drawings and/or specifications for the above referenced project, and revisions to items listed here shall supersede description thereof prior to the above stated date. All conditions not specifically referenced here shall remain the same. It is the obligation of the Prime Contractor to make subcontractors aware of any items herein that may affect submitted bids.

Acknowledge receipt of this addendum by inserting its number and date in the bidding documents. Failure to do so may subject bidder to disqualification.

All addenda items refer to the plans and specifications unless specifically noted otherwise.

TOTAL PAGES IN THIS ADDENDUM (including attachments): **96**



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**PART A - BIDDING AND CONTRACT REQUIREMENTS**

- 1.1 Refer to Notice Calling for Bids second paragraph related to Bid Submission Deadline and replace with the following:**

Submission from bidders will be received at the time/date/location indicated here ("**Bid Submission Deadline**"):

**Time: 3:00:00 PM PST**  
**Date: May 23, 2024, Thursday**  
**Location: Visions In Education Office**  
**5030 El Camino Avenue**  
**Carmichael, CA 95608**

- 1.2 Refer to Notice Calling for Bids seventh paragraph related to submittal of proposals and replace with the following:**

Proposals must be submitted to the location listed under "**Bid Submission Deadline**" in this Notice Calling For Bids ("**Place of Bid Receipt**"). Label the outside of the sealed RFP response envelope or box with your company name, proposal title and RFP deadline. Submittal to include One (1) hard copy of all documents required and a digital copy (thumb-drive). Any responses received after the Bid Submission Deadline will be deemed Non-Responsive.

- 1.3 Refer to Information for Bidders, Item 7 Document Submission Checklist:**

**See Attachment 1.10:** Non-Collusion Declaration to be submitted with bid

- This was missing from the RFP package.

**PART B - TECHNICAL REQUIREMENTS**

- 1.4 Refer to Sheet A3.0, Keynote 3**

- This should read: (N) INFILL WALL – SEE DETAILS 9 & 10 /A5.0



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**PART C – DRAWINGS**

**1.5 Refer to Visions In Education, Bid Set Plans:**

**Replace** the following sheets identified as ADDENDUM 1: 4-30-24

- Sheet E1.0 Symbols List, General Notes, Fixture Schedule
- Sheet E1.1 One-Line Diagram
- Sheet E1.2 Panel Schedules
- Sheet E2.0.1 1<sup>st</sup> Floor Plan – Demolition Lighting
- Sheet E2.0.2 2<sup>nd</sup> Floor Plan – Demolition Lighting
- Sheet E2.1 1<sup>st</sup> Floor Plan – Lighting
- Sheet E2.2 2<sup>nd</sup> Floor Plan – Lighting
- Sheet E3.0.1 1<sup>st</sup> Floor Plan – Demolition Power & Signal
- Sheet E3.0.2 2<sup>nd</sup> Floor Plan – Demolition Power & Signal
- Sheet E3.1 1<sup>st</sup> Floor Plan – Power & Signal
- Sheet E3.2 2<sup>nd</sup> Floor Plan – Power & Signal

**1.6 Refer to Visions In Education, Bid Set Plans:**

**Add** the following sheets identified as ADDENDUM 1: 4-30-24

- Sheet FP0.0 Fire Sprinkler Cover Page
- Sheet FP2.1 Fire Sprinkler First Floor
- Sheet FP2.2 Fire Sprinkler Second Floor
- Sheet T-24A Title 24 Compliance
- Sheet T-24B Title 24 Compliance

**PART D – BIDDERS QUESTIONS**

**1.7 REFER TO FOLLOWING BIDDER'S RFI'S:**

**QUESTION #1:** The Statement of Qualifications allows for 20 single sided pages. Do tabs and cover pages count toward the total?

**Response:** Tabs and cover pages do not count toward the total page count.

**QUESTION #2:** Will the contractor be responsible for utility use charges?

**Response:** No, the contractor will not be responsible for utility use charges.

**QUESTION #3:** Will the contractor be responsible for providing a separate trailer for the inspector of record?



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**Response:** The contractor is not responsible for providing a separate trailer for the inspector of record. This project will not have an inspector of record on site because this project is under the County of Sacramento building department's jurisdiction for inspections.

**QUESTION #4:** Please confirm what year the building was originally constructed. This is required for a builder's risk quote.

**Response:** The building was originally constructed in the year 2002.

**QUESTION #5:** Please confirm that a scanned copy of our bid bond is sufficient, or if you will need the original delivered prior to the bid.

**Response:** Please see Item 1.2 of this addendum as the requirement for the submittal of bid will be a hard copy and digital (thumb drive).

**QUESTION #6:** Please clarify if there is a low voltage, A/V or security work included in this contract?

**Response:** The low voltage, A/V and security work will be done by Visions In Education's vendors.

**QUESTION #7:** Per page A6.0, Keynote 3/Detail 3: Is the GC required to furnish and install the undercounter refrigerator at the new reception desk?

**Response:** The undercounter refrigerator shown in detail 3 on A6.0 - Lactation -220 will be owner furnished and owner installed. Power to be provided by GC.

**QUESTION #8:** Per A6.0, Detail 5: please provide a spec on the security mesh at the storefront openings.

**Response:** The specification for the security mesh at the storefront openings is described on Sheet A4.2 under Finish Material Specification - Stainless Steel Perforated Window Panels.

**QUESTION #9:** Has there been a Hazardous Material Survey completed for this project? Please provide or advise if the GC should carry a cost for the testing.

**Response:** With the purchase of the property, Visions In Education was provided with a "Due Diligence Pre-Renovation Asbestos Survey Report" by Partner. See Attachment 1.13 as a reference. If testing is necessary, the Owner will carry the cost.



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**QUESTION #10:** Will the building be occupied during construction?

**Response:** The building may be occupied by a Visions In Education low voltage vendor but the building will not be occupied by the Owner as a place of business.

**QUESTION #11:** Please confirm construction during normal working hours?

**Response:** Construction hours to follow local regulations for days and times as well as the business park rules.

**QUESTION #12:** Please confirm project is NOT prevailing wage.

**Response:** This project is not subject to prevailing wage.

**QUESTION #13:** Please confirm all RFI responses will be given to all bidding contractors.

**Response:** All RFI responses will be released via addendum and will be available on the District website.

**QUESTION #14:** Is the first and second floor ceiling space return air plenum or ducted return?

**Response:** The first and second floor ceiling space is a return air plenum.

**QUESTION #15:** Please provide the deck height.

**Response:** First Floor Bottom of Deck is 13'-5 1/2" from Finished Floor  
Roof Bottom of Deck is 13'-6" from Finished Floor

**QUESTION #16:** Please confirm there is a true need/desire for earthquake and flood coverage on the builder's risk policy? This significantly increases the premium.

**Response:** The earthquake and flood coverage on the builder's risk policy can be removed and will not be required.

**QUESTION #17:** Is the sub-floor of the 2<sup>nd</sup> floor concrete over pan deck or light weight over plywood?



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**Response:** The Owner nor the Architect have been able to access as-built documents but it is assumed that light weight concrete over metal deck is the sub floor for the 2<sup>nd</sup> floor.

**QUESTION #18:** Can the angle stops remain in place at the lavatory in Lactation 220 or will new wall covering be installed here in which case we would stub new copper piping out from the wall?

**Response:** Yes, FRP wall covering will be throughout.

**QUESTION #19:** The details are showing a Timely or Western Integrated type frame. Spec is calling for Arcadia frames. Arcadia frames will not wrap around the wall. Do you want to go with Std. Arcadia 1-3/4" x 4-1/2" frames? What is the finish on the frames and what is the glass thickness?

**Response:** Arcadia 1-3/4" x 4-1/2" frames aluminum with 1/4" thick glazing is acceptable.

**QUESTION #20:** Are there any pictures or documentation of the existing Fire Alarm system at this facility?

**Response:** Photograph attached of lower floor panel. See Attachment 1.12. No existing drawings are available.

**QUESTION #20:** Are Fire Alarm As-Builts available?

**Response:** No As-Built drawings are available.

**QUESTION #21:** We would like to ask for clarification on the three floor drains that are being added to the 2<sup>nd</sup> Floor Break Room? This seems to be excessive, please confirm that is the intent.

**Response:** The floor drains in the 2<sup>nd</sup> Floor Break Room 208 will be reduced to (2) and will be shown on a revised plumbing plan issued in Addendum #2.

**List of Attachments**

- 1.8** Informational Job Walk and Conference Agenda (2 Pages)
- 1.9** Job Walk and Conference Site Visit Sign In Sheet (5 Pages)
- 1.10** Non-collusion Declaration (1 page)
- 1.11** Sheets as listed under Items 1.5 and 1.6 (16 Pages)
- 1.12** Photograph of Fire Alarm Panel on Lower Floor (1 page)
- 1.13** Due Diligence Pre-Renovation Asbestos Survey Report (65 pages)



**TENANT IMPROVEMENT PROJECT**

at

**11931 Foundation Place  
Gold River, CA 95670**

**INFORMATIONAL JOB WALK AND CONFERENCE**

**Date:** April 17, 2024 **Time:** 11:00 AM  
**Project:** Tenant Improvement Project No. 24-01  
**Bid Submission**  
**Deadline:** Thursday, May 23, 2024 by 3:00:00 p.m.  
**Location:** Electronic Submission to RFP24-01@viedu.org

**I. Meeting Called to Order**

**II. Introduction of Project Team members:**

- A. Visions In Education Representative(s) – Tom Tafoya, Chief Operating Officer, Michael Brubaker, Senior Director of Operations and Kevin Wellsfry, Operations Manager
- B. Architect – Mike Buschow, GRA Architecture
- C. Owner’s Representative- Sharon Thomas, Capital Program Management

**III. Bidding Documents:** Available on the Visions In Education Website  
<https://www.viedu.org/request-for-proposals/> or at Valley Contractors Exchange, Sacramento Builders Exchange & Cen Cal Builders Exchange

**IV. Contracting Format:** Prime Contract

**V. Scope of Work Description:** Exterior site work to upgrade ADA access in the parking lot, installation of a roll up door for the warehouse area at the exterior wall, demolition of a select number of existing interior walls and reconfiguration, installation of (2) movable partition walls and associated structural reinforcement. Interior work to also include new paint, flooring, concrete epoxy finish on the warehouse and technology storage areas, casework for reception area, lighting reconfiguration, electrical, mechanical and fire sprinkler work to accommodate the reconfiguration of interior walls.

**VI. Permitting:** Building Permits and Inspections - County of Sacramento – project currently under review

**VII. Engineers Estimate:** \$3.8 million

**VIII. Bidding and Contract Award Requirements:**

- A. License requirement: California State Contractor’s B License – General Building
- B. Project Award: Best value determination for Visions In Education will be made to the contractor that provides the best value to Visions In Education based on the scoring of qualifications, the proposed price and interview (if chosen to interview). See Information for Bidders Section 21 for Award of Contract and Best Value Scoring.
- C. Bid Security: See Information for Bidders Section 8.
- D. Prevailing Wage & DIR – This project is not subject to prevailing wage or DIR requirements.
- E. Bond and Insurance Requirements: Article 6 Insurance; Indemnity; Bonds
- F. Bid Form:
  - 1. No exclusions
  - 2. No fax or phone bids
  - 3. Bids shall be valid for 90 days

**IX. Project Schedule:** (163) Calendar Days

**XI. Site Information:**

- A. Site access, temporary facilities, staging areas and parking
- B. Working hours: See Special Conditions Section 2 for Limitations Upon Site Activities for working hours.

**XII. Site Walk**

**XIII. General Questions**

**XIV. Adjournment**

**Important note:** Responses to inquiries and discussions occurring at this informational job walk and conference shall in no way change or modify the bid documents. The bid documents will be affected only by addenda issued prior to the bid date. We encourage all questions asked at the walk be followed up with an RFI.

**Send inquiries to:** [RFP24-01@viedu.org](mailto:RFP24-01@viedu.org) and cc: Sharon Thomas at [sharont@capitalpm.com](mailto:sharont@capitalpm.com) **by 5:00pm on Tuesday, May 14, 2024**



**VISIONS IN EDUCATION**  
**JOB WALK AND CONFERENCE SITE VISIT**  
**SIGN IN SHEET**  
 Project No. 24-01  
 Tenant Improvement Project  
 Wednesday, April 17, 2024  
 11:00 AM

Company Name	Company Representative	Company City	Phone #	E-Mail
Quintero Pty ACCO	CEO Jeff Hultman	Moderato Sacramento	204 502-0504 416-430-1244	Ray@QuinteroPrinting.com jhultman@acco.com
HAGGERTY CONSTRUCTION	DAVID CUPPET	STOCKTON	209-475-9898	HAGGERTY D.CUPPET@BUILDS.COM
Cal Acoustic	Eddie Hankes	Orangevale	916870-5576	eddie@calacoustic.com
DFS Flooring	John Montyon	Sacramento	916-261-6005	
BRCO Constructors	Patrick Deino	Rocklin	916-253-9323	patrick@brcoconstructors.com
JPB Designs Inc	Art pomarenko	Orangevale	916 549-6259	art-jpbdesigns@gmail.com
BoBo Construction	Jason Winnie	Elk Grove	916- 383-7777	Bestinstalling@BoBoConstruction- Inc.com
Creekside Commercial Builders Inc	Holly Hockett	McClellan	9165461389	hrockett@creeksideinc.net
INTEGRA CONSTRUCTION SERVICES INC.	ISAAC ARIAS	PLEASANTON	925-546-5032	BIDS@INTEGRA-CST.COM
Probuilders	Giovanni Cortes	Sacramento Orangevale	916 533 6760	Gio@SacProbuilders.com
CNW CONSTRUCTION INC.	COLIN CULVER	RESERVE, CA	916-297- 2446	colinc@cnwconstruction.com
MARKETONE BUILDERS	PATRICK RAMOS	SACRAMENTO, CA	(530) 304-4530	PRAMOS@M1B.COM

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Company Name	Company Representative	Company City	Phone #	E-Mail
Quintero Painting Co	Ray Quintero Chris Quintero	Modesto CA	209 502 0504 209 499 1174	ray@quinteropainting.com Chris@quinteropainting.com
Haggerty	Cathy Munoz	Stockton, Ca	709-475-8987	Cathy@haggertybuilds.com
BM LYNN PAINTING	BRAD LYNN	SACRAMENTO	916-825-5682	BRAD@BMLYNNPAINTING.COM
DFS Flooring	Markel I	Sacramento	(530)457-2457	bjm@dfsflooring.com
CWS construction	Diego Barajas	NOVATO CA	(415)8995585	charlie17cws@gmail.com
Hilbers, Inc.	Brandon Julao	Yuba City, CA	(530)441-6442	BJulao@HilbersInc.com
Mason Builders	Gilda Lewis	Folsom, CA	916-606-3889	gmitchell@mason-builders.com
CARTER-Kelly Inc.	GREG WITHEROW	PLACERVILLE CA	916-825-4442 530-621-0950	ESTIMATING@CARTERKELLY.COM
Sharpie	RAMPART	SAC.	9169971257	sharpie@rampart.com
RAMPART	Nick Schwed	SAC.	916 337 4742	Nick@rampartenterprises.net
Kaler General Contractors Inc.	Jason Standley	Rancho Cordova	9166317211	Jasons@kalerco.com
RCP CONST.	GENE ARMSTRONG	EL DORADO HILLS	916-606-5457	GENE@RCPCONSTRUCTION.COM
TEPS	Darrell Sanderson	Concord/SA	9252708294	Darrell.Sanderson@teps.net

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Company Name	Company Representative	Company City	Phone #	E-Mail
R.D. LoQuero	Scott LoQuero	Roseville	257-1412	Scott@RDLoQuero.com
Pacific Decorative Construction	Peter Hughes	SAC	916-792-2994	Phughes@pacificdecorative.com
BT Mancini	Scott Sievers	Sac	(916) 412-7470	scott.sievers@btmancini.com
COAC PLUMB. / A/C	RANDY KURE	SACRAMENTO	(916) 520-7608	ESTIMATES@COACAIR.COM
NORTHSTATE ELEC.	MIKE MADRID	SAC	916-215-1462	MIKEM@northstate-eci.com

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Company Name	Company Representative	Company City	Phone #	E-Mail
Abbey Flooring	Johnny Gilley	Elk Grove	(916) 691-3440	Johnny@abbeyinc.net
MarketOne Builders	Lionel Millan	Sacramento	(916)-400-5800	lmillan@mtb.com
Acoustical Ex	Joe Glover	Rancho	916 628 7845	joeglover@acoustical.com
Kalifornia Fire	JAKE FAMILIA	WOODLAND	(916) 717-4771	JFAMILIA@KALIFORNIAFIRE.COM
Z Squared Construction	Estimating	El Dorado Hills	(916) 358-9056	estimating@z2construction.com
J-WALT CONSTRUCTION	Joe Walter	WOODLAND	530-406-2278	office@jwconstruction.com

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Company Name	Company Representative	Company City	Phone #	E-Mail
Pro Line Contractors	Robert Howard	Cameron Park	(916) 470 2968	prolinedemo86@gmail.com
Market One Builders	Miles Dilley	Sacramento	(916) 858-9118	mdilley@market1b.com
Element 26	Kiera Duffell	Rancho Cordova	916.295.1138	estimating@element26.us
NMECON, INC.	CODY PHILLIPS	SACRAMENTO	916-638-5757	CODY@NMECONINC.COM
RODAN BUILDERS	JEFF LOVITT	DAVIS	650-508-1722	bjdserv@rodan-builders.com
Schotta Electric	Stew Rftwell	SAC	916-521-6079	StewRftwell@schotta.com
LEED Mechanical	NATHAN HARVEY	Rancho CORDOVA	916-240-0849	nharvey@leedmechanical.net
Acme Demo	A. Swickard	Foserville	916-710-4133	acmedemo99@gmail.com
CCF	JUSTIN BECCINO	SAC	916-569-1960	JUSTINBECCINO.NET
HYPERION DEMOLITION	Adam Stringer	SAC	916-706-9169	Adam@HyperionDemolition.com

**NONCOLLUSION DECLARATION**

**TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID**

Owner: \_\_\_\_\_

Project: \_\_\_\_\_

The undersigned declares:

I am the \_\_\_\_\_ of \_\_\_\_\_, the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on \_\_\_\_\_, 20\_\_\_\_, at \_\_\_\_\_ [city], \_\_\_\_\_ [state].

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

GENERAL NOTES

- THESE GENERAL NOTES ARE INTENDED TO ASSIST THE CONTRACTOR IN THE EXECUTION OF THE ELECTRICAL WORK AND TO BE INCLUDED IN CONJUNCTION WITH THE CONTRACT DOCUMENT DRAWINGS AND SPECIFICATION REQUIREMENTS.
- PROCURE REQUIRED PERMITS AND LICENSES, PAY ALL NECESSARY FEES AND ARRANGE FOR INSPECTIONS REQUIRED BY LOCAL CODES, ORDINANCES AND UTILITY COMPANIES.
- WORKMANSHIP SHALL BE OF THE HIGHEST GRADE. DEFECTIVE EQUIPMENT OR EQUIPMENT DAMAGED IN THE COURSE OF INSTALLATION OR TEST SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING WITH THE ACCEPTANCE OF THE ARCHITECT.
- INSTALL ALL EQUIPMENT, CONDUITS, OUTLETS, AND FIXTURES IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES (CEC, STATE, COUNTY AND CITY).
- DO NOT SCALE PLANS FOR FIXTURES, DEVICES, OR APPLIANCE LOCATIONS. USE FIGURED DIMENSIONS IF GIVEN OR CHECK MECHANICAL AND ARCHITECTURAL PLANS. ALSO REFER TO ACTUAL ON-SITE CONDITIONS.
- ALL MATERIAL AND EQUIPMENT IS TO BE LISTED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND CEC 110.3.
- ALL ELECTRICAL DEVICES AND EQUIPMENT, FIXTURES, CONDUITS AND WIRING SHOWN ON THESE PLANS ARE NEW, UNLESS OTHERWISE NOTED.
- ALL SWITCHES SHALL BE SPECIFICATION GRADE 20 AMP A.C., MOUNT ALL TOGGLE SWITCHES AT +48" MAX (TOP OF BOX) AFF UNLESS OTHERWISE NOTED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- ALL DUPLEX RECEPTACLES SHALL BE SPECIFICATION GRADE, 20 AMP A.C., MOUNT ALL RECEPTACLE, TELEPHONE AND DATA OUTLETS AT +15" MIN (BOTTOM OF BOX) AFF UNLESS OTHERWISE NOTED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- OUTLET BOXES INSTALLED IN FIRE WALLS SHALL BE ONE-PIECE STEEL AND INSTALLED IN SEPARATE (STAGGERED) STUD PENETRATIONS, MINIMUM 24 INCHES HORIZONTAL SEPARATION. FIRE WALLS SHALL BE MADE IN ACCORDANCE WITH CEC AND ELECTRICAL CODES. PROVIDE PUTTY PADS FOR ALL DEVICES IN FIRE WALLS.
- THE FINAL LOCATION OF ALL OUTLETS SHALL BE VERIFIED WITH THE ARCHITECT AND/OR OWNER AT TIME OF CONSTRUCTION.
- ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHER-PROTECTED.
- CONTRACTOR SHALL VERIFY THAT ALL LIGHTING FIXTURES, CEILING TRIMS, AND FRAMES ARE COMPATIBLE WITH CEILING SYSTEM INSTALLED.
- CONTRACTOR SHALL COORDINATE LIGHT FIXTURE LOCATIONS AND INSTALLATIONS WITH THE MECHANICAL CONTRACTOR. MAINTAIN REQUIRED CLEARANCES (MINIMUM 3 INCHES) BETWEEN LIGHT FIXTURES AND MECHANICAL DUCTS OR EQUIPMENT FOR PROPER OPERATION, INSTALLATION AND/OR REMOVAL OF FIXTURES.
- BEFORE SUBMITTING FOR ARCHITECT'S REVIEW AND PLACING ORDER FOR THE LIGHT FIXTURES, THE CONTRACTOR SHALL VERIFY THE VOLTAGE OF ALL THE LIGHTING FIXTURES TO MATCH THE VOLTAGE OF THE SERVICE PANEL, WHETHER THE VOLTAGE FOR THE LIGHT FIXTURES ARE SHOWN ON THE PLAN OR NOT.
- PLACEMENT AND CIRCUITING OF EXIT SIGNS AND ESCAPE LIGHTING SHALL COMPLY WITH CEC REQUIREMENTS.
- ALL CONDUIT SHALL BE ROUTED CONCEALED UNLESS NOTED ON PLAN OR ACCEPTED BY THE ARCHITECT.
- ALL WIRING SHALL BE INSTALLED IN METALLIC CONDUIT, UNLESS OTHERWISE NOTED. CONDUITS INSTALLED IN WALL AND CEILING MAY BE BMT WITH STEEL COMPRESSION TYPE FITTINGS. PVC WHERE INSTALLED UNDERGROUND AND/OR SLAB. INSTALL ALL CONDUITS IN ACCORDANCE WITH NECA STANDARDS OF INSTALLATION. MC CABLE IS ALLOWED ON THIS PROJECT.
- CONDUCTORS, #12 AND LARGER, SHALL BE STRANDED COPPER WITH THIN/THIN INSULATION, UNLESS OTHERWISE NOTED.
- PROVIDE WORKING CLEARANCE PER CEC 110.26. SERVICE PANEL, SUBPANELS, MOTOR AND HVAC DISCONNECT SWITCHES, CONTROL SECTIONS, HVAC EQUIPMENT, APPLIANCES, ETC.
- PROVIDE A WARNING SIGN CLEARLY VISIBLE TO QUALIFIED PERSONS TO COMPLY WITH NEC AND CEC 110.16 OF POTENTIAL ELECTRIC ARC FLASH HAZARDS AT SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS AND MOTOR CONTROL CENTERS THAT ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED.
- CONTRACTOR SHALL SIZE ALL INTERIOR AND EXTERIOR BUILDING PULL BOXES AND UNDERGROUND PULL BOXES PER CEC 314.16 AND COMPLY WITH CEC 314.28 FOR INSTALLATION OF RACEWAYS AND WIRING AS REQUIRED BY CODE, UNLESS OTHERWISE NOTED.
- WHERE ACCESSIBILITY IS NOT AVAILABLE TO ELECTRICAL OUTLETS, DEVICES AND/OR EQUIPMENT, COORDINATE WITH THE ARCHITECT FOR PROVISIONS TO PROVIDE ACCESSIBILITY TO THEM.
- ALL TERMINATION PROVISIONS OF EQUIPMENT FOR CIRCUITS RATED 100 AMPERES OR LESS SHALL BE RATED AT 60°C. ALL TERMINATION PROVISIONS OF EQUIPMENT FOR CIRCUITS RATED OVER 100 AMPERES SHALL BE RATED AT 75°C PER CEC 110.14(C).
- BUILDING SERVICE AND SUBPANELS TO COMPLY WITH CEC 110.9 AND 110.10 INTERRUPTING RATINGS AND BRACING. PROVIDE A I.C. CALCULATIONS FOR SUBPANELS IF INTERRUPTING RATINGS TO BE USED IS LOWER THAN MAIN SERVICE RATINGS.
- CONTRACTOR SHALL PROVIDE MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS IN MULTIPHASE BRANCH CIRCUITS PER CEC 210.4(B).
- ALL APPLIANCES SHALL COMPLY WITH CEC 422. APPLIANCE CONTROL AND PROTECTION PER CEC 422-111; BRANCH CIRCUITS PER CEC 422-11.
- CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE MECHANICAL DRAWINGS, PROVIDING ALL CONDUIT, CONTROL WIRING AND POWER WIRING SHOWN ON THE MECHANICAL DRAWINGS THAT ARE NOT SHOWN ON THE ELECTRICAL PLANS.
- CONTRACTOR SHALL REFER TO THE MECHANICAL DRAWINGS AND COORDINATE THE EQUIPMENT LOCATIONS. COORDINATE ROOF PENETRATIONS WITH THE MECHANICAL CONTRACTOR FOR MECHANICAL CONNECTIONS. ENTER ROOF MOUNTED UNITS THROUGH EQUIPMENT MOUNTING CURBS WHERE POSSIBLE. VERIFY ON-SITE.
- ALL CONNECTIONS FROM DISCONNECT SWITCHES TO HVAC UNITS OR MECHANICAL EQUIPMENT SHALL BE COPPER CONDUCTORS. MOTOR DISCONNECT SWITCHES SHALL COMPLY WITH CEC 430-VII, 430-VIII, AND 440-11.
- VERIFY LOCATION AND HEIGHT OF ALL MECHANICAL OR FIXTURE EQUIPMENT OUTLETS WITH SUPPLIER PRIOR TO ANY ROUGH-IN WORK. PROVIDE ALL RUNS AND CONNECTIONS TO EQUIPMENT.
- PROVIDE CONVENIENCE OUTLET WITHIN 25 FEET OF MECHANICAL EQUIPMENT PER CEC, WHERE LOCATED OUTSIDE. PROVIDE WEATHER-PROOF AND GFCI CONVENIENCE OUTLET. SECURE ROOF MOUNTED OUTLET TO THE MECHANICAL EQUIPMENT. VERIFY LOCATION IN FIELD WITH THE MECHANICAL CONTRACTOR.
- VERIFY SINGLE-POINT CONNECTIONS TO ROOF MOUNTED HVAC UNITS WITH MECHANICAL CONTRACTOR ON-SITE PRIOR TO ELECTRICAL ROUGH-IN. PROVIDE DUAL DISCONNECTS IF TWO-POINT CONNECTIONS ARE REQUIRED, WHETHER SHOWN ON PLANS OR NOT.
- SWITCH DEVICES CONTROLLING MECHANICAL EQUIPMENT SHALL BE THE SIZE AND TYPE REQUIRED. SERVED WITH QUANTITY OF WIRES AS REQUIRED. SEE DIVISION 15 MECHANICAL PLANS AND SPECIFICATIONS.
- COORDINATE WITH HVAC EQUIPMENT FOR FUSES REQUIRED. WHERE FUSES ARE REQUIRED, VERIFY FUSE SIZE ON-SITE AND PROVIDE PER EQUIPMENT NAMEPLATE SPECIFICATIONS.
- MOTOR DISCONNECT SWITCHES SHALL COMPLY WITH CEC 430-1X AND 440-11.
- MOTOR STARTERS FOR HVAC EQUIPMENT ARE PROVIDED BY MECHANICAL CONTRACTOR AND CONNECTED BY ELECTRICAL CONTRACTOR, UNLESS NOTED OTHERWISE.
- COORDINATE ALL ELECTRICAL SERVICES WITH THE RESPECTIVE UTILITY COMPANIES AND PROVIDE ALL TRENCHING, CONDUITS, WIRING, METER FACILITIES AND OUTLETS REQUIRED BY THEM. VERIFY EXACT AIC RATINGS WITH P64E PRIOR TO BID FOR ALL EQUIPMENT.
- TRENCHING AND BACKFILLING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS. PRIOR TO THE TRENCHING, ETC. AND THE INSTALLATION OF THE ELECTRICAL SYSTEM, ALL WORK SHALL BE STAKED OUT.
- MINIMUM COVERAGE FOR UNDERGROUND CONDUIT TO BE 24", UNLESS NOTED OTHERWISE. PROVIDE MINIMUM OF 12" SEPARATION BETWEEN THE POWER AND ALL LOW VOLTAGE CONDUITS.
- PROVIDE METAL DETECTION STRIP ABOVE THE NONMETAL UNDERGROUND CONDUITS.
- SEPARATION OF THE ELECTRICAL CIRCUITS FOR ELECTRICAL ENERGY MONITORING IS REQUIRED. ELECTRICAL POWER DISTRIBUTION SYSTEM SHALL INCLUDE MEASUREMENT DEVICES CAPABLE OF MONITORING THE ELECTRICAL ENERGY USAGE OF LOAD TYPES PER CEC 130.5.

SYMBOLS LIST

SYMBOL	DESCRIPTION
○	LIGHTING FIXTURE, SURFACE OR PENDANT MOUNTED IN CEILING
□	LIGHTING FIXTURE, RECESSED MOUNTED IN CEILING
○	LIGHTING FIXTURE, SURFACE MOUNTED ON WALL
○	LIGHTING FIXTURE, RECESSED, T-BAR LAY-IN OR FLANGED IN CEILING
○	LIGHTING FIXTURE, SURFACE MOUNTED ON CEILING
—	STRIP LIGHTING FIXTURE, SURFACE OR CHAIN HUNG ON CEILING
→	EXIT LIGHT FIXTURE, WALL MOUNTED WITH ARROWS AS SHOWN
⚡	EMERGENCY LIGHT
□	LIGHTING FIXTURE, MOUNTED ON POLE WITH SINGLE/DOUBLE HEADS
X	LIGHTING FIXTURE, MOUNTED ON POLE (POST-TOP HEAD)
A	FIXTURE TAG - 'A' DENOTES FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE
⚡	SINGLE POLE TOGGLE SWITCH, 20A, 120-277V AT +48" MAX (TOP OF BOX)
⚡ <sup>3</sup>	THREE WAY TOGGLE SWITCH 20A, 120-277V AT +48" MAX (TOP OF BOX)
⚡ <sup>3</sup> , b, c	SUBSCRIPT DENOTES OUTLET OR FIXTURE CONTROLLED AT +48" MAX (TOP OF BOX)
⚡ <sup>L</sup>	LOW VOLTAGE TOGGLE SWITCH, 20A, 120-277V AT +48" MAX (TOP OF BOX), 'D' DENOTES DIMMER
⚡ <sup>D</sup>	DIMMING SWITCH 20A, 120-277V AT +48" MAX (TOP OF BOX)
⚡ <sup>V</sup>	VACANCY SENSOR 'VS' DESIGNATION 20A, 120-277V AT +48" MAX (TOP OF BOX)
⚡ <sup>D-VS</sup>	DIMMER SWITCH/VACANCY SENSOR 'D-VS' DESIGNATION 20A, 120-277V AT +48" MAX (TOP OF BOX)
⚡ <sup>T</sup>	THERMAL OVERLOAD SWITCH
⊞	SINGLE OCCUPANCY SENSOR SWITCH WALL MOUNTED AT +48" MAX (TOP OF BOX), N.LIGHT #NXCOPM 120/277V, 'D' DENOTES DIMMER
⊞	DUAL LEVEL OCCUPANCY SENSOR SWITCH WALL MOUNTED AT +48" MAX (TOP OF BOX), N.LIGHT #NXCOPM 120/277V, 'D' DENOTES DIMMER
⊞	CEILING MOUNTED OCCUPANCY SENSOR, N.LIGHT #NXC-PD110, WITH POWER PACK NP16 FOR EACH CHAIN OF SENSORS.
⊞	AUTOMATIC DIMMING DAYLIGHT CONTROL PHOTOCELL N.LIGHT #NXCAD(X)R(LB) OR EQUAL
⊞	DUAL TECHNOLOGY OCCUPANCY SENSOR N.LIGHT #NXCMD(X)R(LB) OR EQUAL
⊞	DIMMING/RELAY PACK, 16A 120/277V, WITH 0-10VDC DIMMING, ACUITY #PFP16D
⊞	FLUG LOAD/RELAY PACK, 16A 120/277V, ACUITY #PFP20FL
⊞	FOURPLEX RECEPTACLE OUTLET 20A, 125V, +15" MIN (BOTTOM OF BOX)
⊞	DUPLEX RECEPTACLE OUTLET 20A, 125V, +15" MIN (BOTTOM OF BOX)
⊞	MOUNT OUTLET ABOVE COUNTER OR BACKSPLASH
⊞	DUPLEX RECEPTACLE OUTLET 20A, 125V, CEILING MOUNTED
⊞	208V 3 PH RECEPTACLE OUTLET
⊞	208V 1 PH RECEPTACLE OUTLET
⊞	DUPLEX RECEPTACLE FLOOR OUTLET 20A, 125V FLUSH IN FINISH FLOOR WITH BRASS TRIM
⊞	DUPLEX RECEPTACLE OUTLET 20A, 125V, +15" MIN (BOTTOM OF BOX), ISOLATED GROUND
⊞	TELEPHONE/COMPUTER OUTLET WALL/FLOOR MOUNTED/STUB 3/4" G-MT TO ABOVE ACCESSIBLE CL6
⊞	SONITROL KEYLESS ENTRY. COORDINATE EXACT REQUIREMENTS WITH INSTALLER
⊞	DATA/TV OUTLET WALL/FLOOR MOUNTED/STUB 3/4" G-MT TO ABOVE ACCESSIBLE CL6
⊞	WIRELESS ACCESS POINT
⊞	MAIN SWITCHBOARD
⊞	LIGHTING OR DISTRIBUTION PANEL
⊞	TERMINAL CABINET
⊞	JUNCTION BOX
⊞	PULL BOX
⊞	MOTOR STARTER. SEE MP45. CONNECT AS REQUIRED
⊞	HEAVY DUTY SAFETY TYPE DISCONNECT SWITCH, SIZE 4 NEMA TYPE AS REQUIRED, F=USED
⊞	MOTOR - MP45
⊞	EXHAUST FAN - MP45
⊞	MECHANICAL EQUIPMENT I.D. TAG - MP45
1	FLAG NOTE SHOWN ON SAME SHEET
---	CIRCUIT CONCEALED IN CEILING OR WALL
---	CIRCUIT CONCEALED IN FLOOR OR UNDERGROUND
---	EXISTING CIRCUIT
---	LOW VOLTAGE CABLE
⊞	HONERUN TO PANELBOARD OR TERMINAL CABINET
⊞	DENOTES # OF #12 WIRES, NO MARKS = 2 #12, 1/2" G. CURVED HATCH DENOTES EQUIPMENT GROUND, DOT DENOTES ISOLATED GROUND, OTHERS AS NOTED
⊞	TELEPHONE TERMINAL BOARD 'TTB': 4'x8'x3/4" PLYWOOD BACKBOARD WITH FOURPLEX RECEPTACLE 4 (1) #6 GND, LON

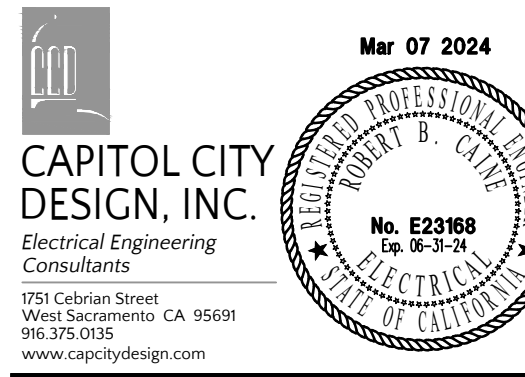
NOTE:  
SYMBOLS INDICATED ABOVE MAY NOT NECESSARILY APPEAR AS PART OF THESE DRAWINGS IF NOT REQUIRED.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
C	CONDUIT
CL6	CEILING
(E)	EXISTING
EM	DENOTES EMERGENCY FIXTURE. PROVIDE WITH 90-MINUTE BATTERY BACK-UP BALLAST, SEE LIGHTING PLANS FOR LOCATIONS AND QUANTITIES.
GFCI	GROUND FAULT CIRCUIT INTERRUPT
I6	ISOLATED GROUND
MP45	SEE MECHANICAL PLANS & SPECIFICATIONS
MT	EMPTY CONDUIT WITH NYLON PULL ROPE
(N)	NEW
NIES	NOT IN ELECTRICAL SECTION OF THESE PLANS & SPECIFICATIONS
NL	NIGHT LIGHT - FIXTURE TO BE UNSWITCHED
PFB	PROVISION FOR FUTURE BREAKER
PNL	PANELBOARD
(R)	RELOCATED
TTB	TELEPHONE TERMINAL BOARD
(TYP)	TYPICAL
UG	UNDERGROUND
UN	UNLESS OTHERWISE NOTED
MP	WEATHERPROOF, RECEPTACLE COVERS SHALL BE "WEATHERPROOF WHILE IN USE". (CEC 406.9)



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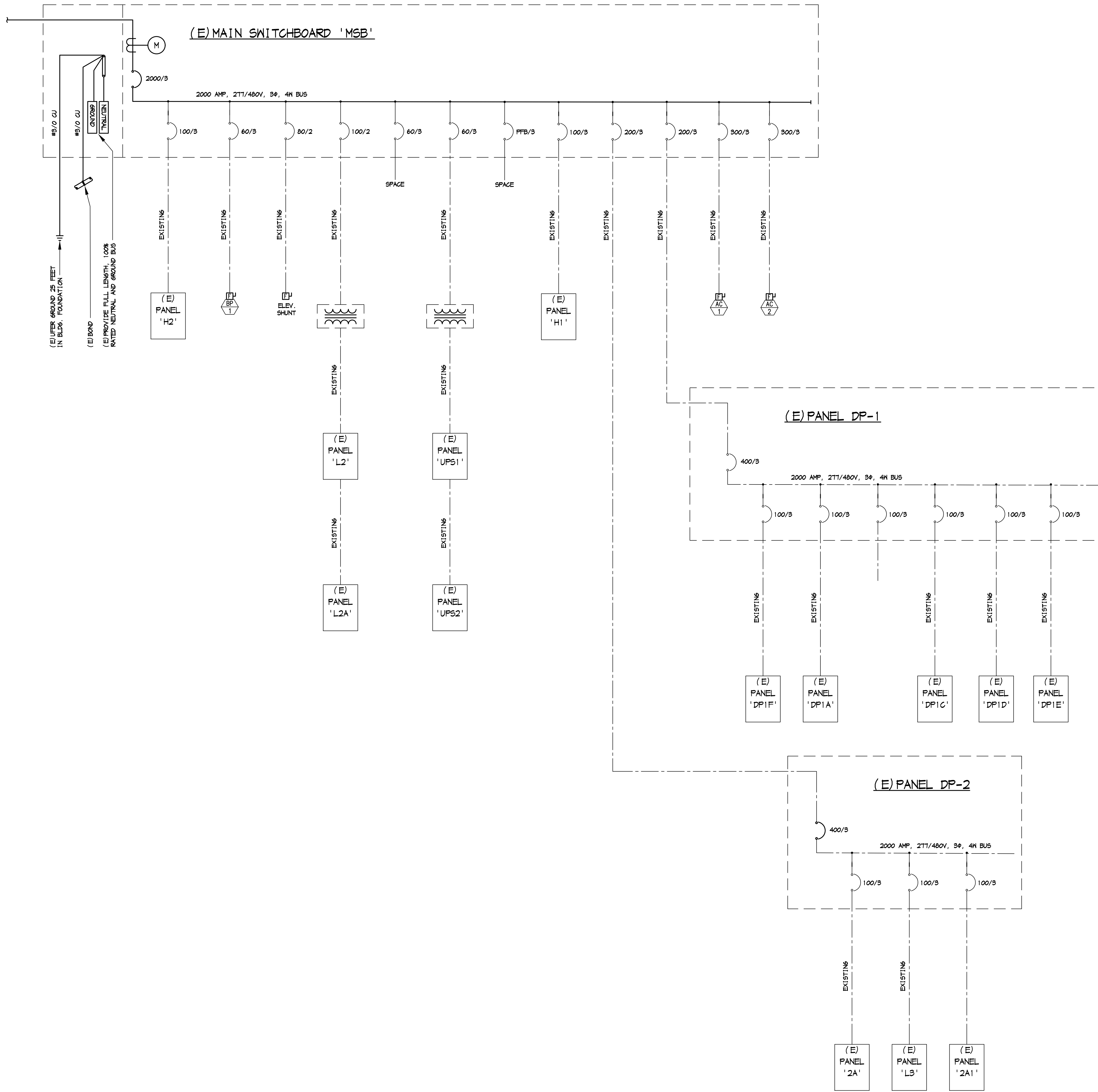
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SYMBOLS LIST  
GENERAL NOTES  
FIXTURE SCHEDULE

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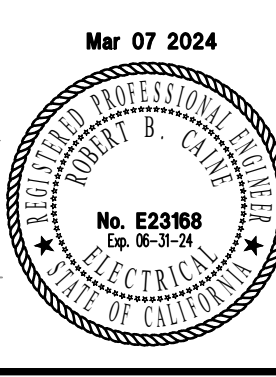
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ADDENDUM 1: 4-30-24

DATE: JANUARY 26, 2024  
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DRAWN BY: JG/TB  
JOB NO.: 2024-006  
SHEET



**(E) ONE LINE DIAGRAM**

NOT TO SCALE  
 (ALL EQUIPMENT IS EXISTING UNLESS NOTED OTHERWISE)



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**ONE-LINE DIAGRAM**

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REVISED PANELS

PANELS FOR REFERENCE ONLY

**(E) PANEL 'DP-1A'**  
 VOLTAGE: 120/208V 3Ø 4W  
 BUS: 125 AMP  
 MOUNTING SURFACE TYPE: A SERIES  
 KVA: 42.96  
 CURRENT: 114 AMPS

LOAD	KVA	CB	NO	CB	KVA	LOAD
1.00	20	1	2	20	1	(N) PARTITION FURNITURE
1.00	3	4	3	3	4	
1.00	5	6	5	5	6	
1.00	7	8	7	7	8	
1.00	9	10	9	9	10	
1.00	11	12	11	11	12	
1.00	13	14	13	13	14	
0.72	17	18	17	17	18	
0.36	19	20	19	19	20	
0.36	21	22	21	21	22	
0.36	23	24	23	23	24	
1.2	25	26	25	25	26	
1.2	27	28	27	27	28	
1.2	29	30	29	29	30	
1.2	31	32	31	31	32	
1.2	33	34	33	33	34	
1.2	35	36	35	35	36	
1.2	37	38	37	37	38	
1.2	39	40	39	39	40	
1.2	41	42	41	41	42	

**(E) PANEL 'L2A'**  
 VOLTAGE: 120/208V 3Ø 4W  
 BUS: 125 AMP  
 MOUNTING SURFACE TYPE: A SERIES  
 KVA: 5.26  
 CURRENT: 14.6 AMPS

LOAD	KVA	CB	NO	CB	KVA	LOAD
0.36	20	1	2	20	1	RECEPTACLE
0.50	3	4	3	3	4	EXH. FAN
0.36	5	6	5	5	6	ROOF TOP RECEPTACLE
1.0	7	8	7	7	8	REF
1.2	9	10	9	9	10	RECEPTACLE
1.2	11	12	11	11	12	SPACE
0.36	13	14	13	13	14	PFB
0.36	15	16	15	15	16	SPACE
0.36	17	18	17	17	18	SPACE
0.36	19	20	19	19	20	SPACE
0.36	21	22	21	21	22	SPACE
0.36	23	24	23	23	24	SPACE
0.36	25	26	25	25	26	SPACE
0.36	27	28	27	27	28	SPACE
0.36	29	30	29	29	30	SPACE
0.36	31	32	31	31	32	SPACE
0.36	33	34	33	33	34	SPACE
0.36	35	36	35	35	36	SPACE
0.36	37	38	37	37	38	SPACE
0.36	39	40	39	39	40	SPACE
0.36	41	42	41	41	42	SPACE

**(E) PANEL 'DP-1D'**  
 VOLTAGE: 120/208V 3Ø 4W  
 BUS: 125 AMP  
 MOUNTING SURFACE TYPE: A SERIES  
 KVA: .  
 CURRENT: .

LOAD	KVA	CB	NO	CB	KVA	LOAD
20	1	2	20	1	2	RECEPTACLES - OFFICE
3	4	3	3	4	3	
5	6	5	5	6	5	
7	8	7	7	8	7	
9	10	9	9	10	9	
11	12	11	11	12	11	
13	14	13	13	14	13	
15	16	15	15	16	15	
17	18	17	17	18	17	
19	20	19	19	20	19	
21	22	21	21	22	21	
23	24	23	23	24	23	
25	26	25	25	26	25	
27	28	27	27	28	27	
29	30	29	29	30	29	
31	32	31	31	32	31	
33	34	33	33	34	33	
35	36	35	35	36	35	
37	38	37	37	38	37	
39	40	39	39	40	39	
41	42	41	41	42	41	

**(E) PANEL 'UPS-2'**  
 VOLTAGE: .  
 BUS: .  
 MOUNTING SURFACE TYPE: .  
 KVA: .  
 CURRENT: .

LOAD	KVA	CB	NO	CB	KVA	LOAD
20	1	2	20	1	2	RECEPTACLES - OFFICE
3	4	3	3	4	3	
5	6	5	5	6	5	
7	8	7	7	8	7	
9	10	9	9	10	9	
11	12	11	11	12	11	
13	14	13	13	14	13	
15	16	15	15	16	15	
17	18	17	17	18	17	
19	20	19	19	20	19	
21	22	21	21	22	21	
23	24	23	23	24	23	
25	26	25	25	26	25	
27	28	27	27	28	27	
29	30	29	29	30	29	
31	32	31	31	32	31	
33	34	33	33	34	33	
35	36	35	35	36	35	
37	38	37	37	38	37	
39	40	39	39	40	39	
41	42	41	41	42	41	

**(E) PANEL 'DP-1B'**  
 VOLTAGE: 120/208V 3Ø 4W  
 BUS: 125 AMP  
 MOUNTING SURFACE TYPE: A SERIES  
 KVA: 26.22  
 CURRENT: 72.8 AMPS

LOAD	KVA	CB	NO	CB	KVA	LOAD
0.72	20	1	2	20	1	(N) RECEPTACLE
0.40	3	4	3	3	4	
0.18	5	6	5	5	6	
0.54	7	8	7	7	8	
0.54	9	10	9	9	10	
0.54	11	12	11	11	12	
0.54	13	14	13	13	14	
0.54	15	16	15	15	16	
0.72	17	18	17	17	18	
0.72	19	20	19	19	20	
0.40	21	22	21	21	22	
0.72	23	24	23	23	24	
0.72	25	26	25	25	26	
1.2	27	28	27	27	28	
1.2	29	30	29	29	30	
1.2	31	32	31	31	32	
1.2	33	34	33	33	34	
1.2	35	36	35	35	36	
1.2	37	38	37	37	38	
1.2	39	40	39	39	40	
1.2	41	42	41	41	42	

**(E) PANEL 'L3'**  
 VOLTAGE: 120/208V 3Ø 4W  
 BUS: 125 AMP  
 MOUNTING SURFACE TYPE: A SERIES  
 KVA: 24.56  
 CURRENT: 68.2 AMPS

LOAD	KVA	CB	NO	CB	KVA	LOAD
0.40	20	1	2	20	1	(N) RECEPTACLES
0.72	3	4	3	3	4	
0.36	5	6	5	5	6	
0.36	7	8	7	7	8	
0.36	9	10	9	9	10	
0.12	11	12	11	11	12	
0.12	13	14	13	13	14	
0.12	15	16	15	15	16	
0.54	17	18	17	17	18	
0.54	19	20	19	19	20	
0.36	21	22	21	21	22	
1.2	23	24	23	23	24	
1.0	25	26	25	25	26	
1.0	27	28	27	27	28	
0.2	29	30	29	29	30	
0.72	31	32	31	31	32	
1.44	33	34	33	33	34	
1.2	35	36	35	35	36	
0.72	37	38	37	37	38	
0.72	39	40	39	39	40	
0.72	41	42	41	41	42	

**(E) PANEL 'DP-1F'**  
 VOLTAGE: 120/208V 3Ø 4W  
 BUS: 125 AMP  
 MOUNTING SURFACE TYPE: A61  
 KVA: .  
 CURRENT: .

LOAD	KVA	CB	NO	CB	KVA	LOAD
20	1	2	20	1	2	RECEPTACLES - DISPOSAL
3	4	3	3	4	3	
5	6	5	5	6	5	
7	8	7	7	8	7	
9	10	9	9	10	9	
11	12	11	11	12	11	
13	14	13	13	14	13	
15	16	15	15	16	15	
17	18	17	17	18	17	
19	20	19	19	20	19	
21	22	21	21	22	21	
23	24	23	23	24	23	
25	26	25	25	26	25	
27	28	27	27	28	27	
29	30	29	29	30	29	
31	32	31	31	32	31	
33	34	33	33	34	33	
35	36	35	35	36	35	
37	38	37	37	38	37	
39	40	39	39	40	39	
41	42	41	41	42	41	

**(E) PANEL 'DP-2'**  
 VOLTAGE: 277/480V 3Ø 4W  
 BUS: 400 AMP  
 MOUNTING SURFACE TYPE: S1  
 KVA: .  
 CURRENT: .

LOAD	KVA	CB	NO	CB	KVA	LOAD
20	1	2	20	1	2	FIRE ALARM
3	4	3	3	4	3	
5	6	5	5	6	5	
7	8	7	7	8	7	
9	10	9	9	10	9	
11	12	11	11	12	11	
13	14	13	13	14	13	
15	16	15	15	16	15	
17	18	17	17	18	17	
19	20	19	19	20	19	
21	22	21	21	22	21	
23	24	23	23	24	23	
25	26	25	25	26	25	
27	28	27	27	28	27	
29	30	29	29	30	29	
31	32	31	31	32	31	
33	34	33	33	34	33	
35	36	35	35	36	35	
37	38	37	37	38	37	
39	40	39	39	40	39	
41	42	41	41	42	41	

**(E) PANEL 'DP-1C'**  
 VOLTAGE: 120/208V 3Ø 4W  
 BUS: 125 AMP  
 MOUNTING SURFACE TYPE: A SERIES  
 KVA: 41.0  
 CURRENT: 114 AMPS

LOAD	KVA	CB	NO	CB	KVA	LOAD
0.72	20	1	2	20	1	PARTITION FURNITURE - SM (N)
0.72	3	4	3	3	4	
0.72	5	6	5	5	6	
0.72	7	8	7	7	8	
0.72	9	10	9	9	10	
0.72	11	12	11	11	12	
0.72	13	14	13	13	14	
0.72	15	16	15	15	16	
0.72	17	18	17	17	18	
0.72	19	20	19	19	20	
1.00	21	22	21	21	22	
1.00	23	24	23	23	24	
1.00	25	26	25	25	26	
1.44	27	28	27	27	28	
1.44	29	30	29	29	30	
1.44	31	32	31	31	32	
1.44	33	34	33	33	34	
1.44	35	36	35	35	36	
1.44	37	38	37	37	38	
1.44	39	40	39	39	40	
1.44	41	42	41	41	42	

**(E) PANEL 'DP-1E'**  
 VOLTAGE: 120/208V 3Ø 4W  
 BUS: 125 AMP  
 MOUNTING SURFACE TYPE: A61  
 KVA: .  
 CURRENT: .

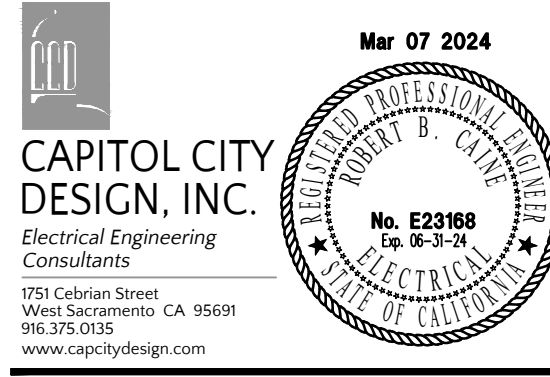
LOAD	KVA	CB	NO	CB	KVA	LOAD
20	1	2	20	1	2	RECEPTACLES - FAX
3	4	3	3	4	3	
5	6	5	5	6	5	
7	8	7	7	8	7	
9	10	9	9	10	9	
11	12	11	11	12	11	
13	14	13	13	14	13	
15	16	15	15	16	15	
17	18	17	17	18	17	
19	20	19	19	20	19	
21	22	21	21	22	21	
23	24	23	23	24	23	
25	26	25	25	26	25	
27	28	27	27	28</		

SHEET NOTES

1 ALL LIGHTS ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE (TYPICAL)



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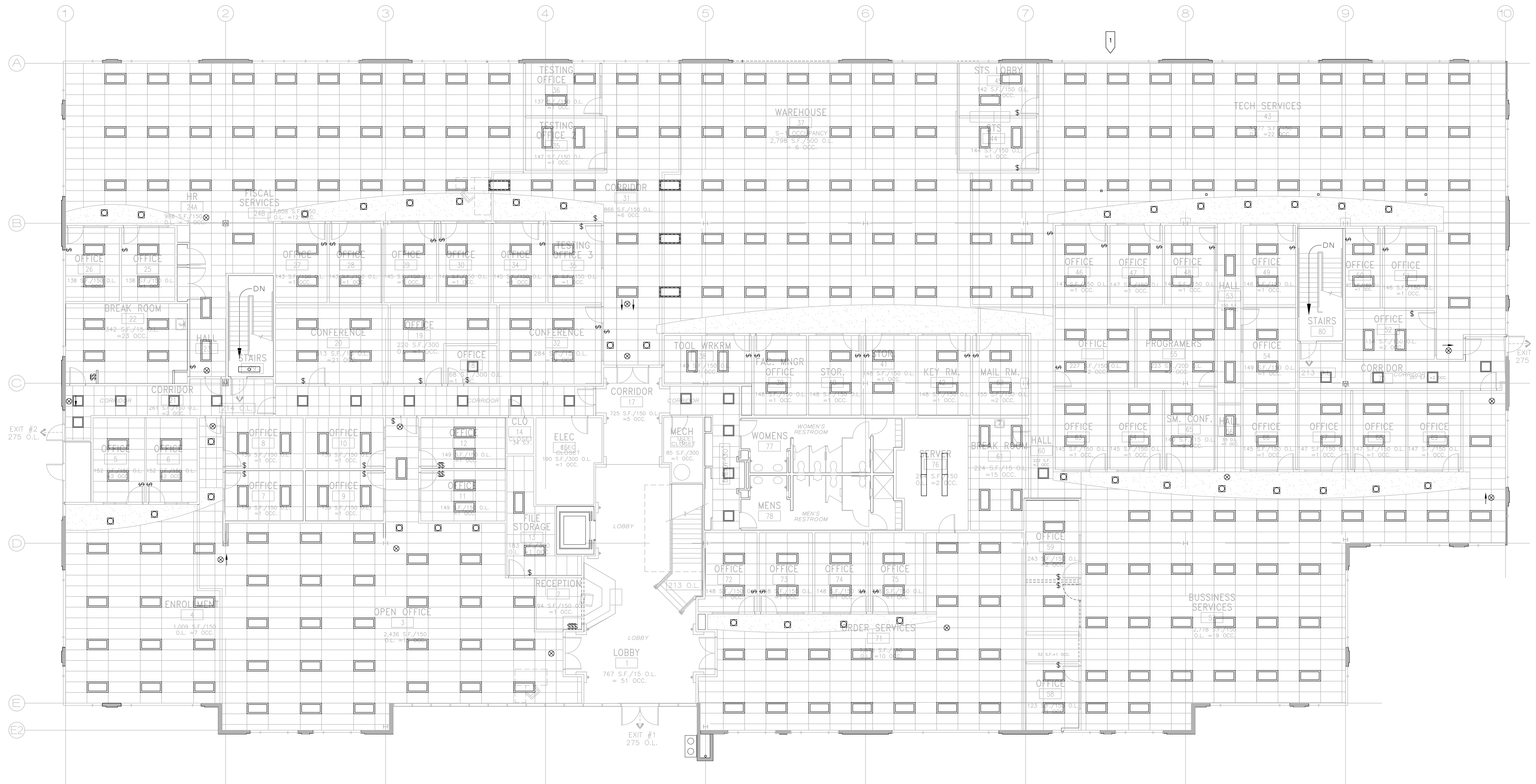
1ST FLOOR PLAN -  
DEMOLITION  
LIGHTING

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REVISIONS  
ADDENDUM 1: 4-30-24

DATE: JANUARY 26, 2024  
SCALE: AS NOTED  
DRAWN BY: JG/TB  
JOB NO.: 2024-006  
SHEET

E2.0.1



1ST FLOOR PLAN - DEMOLITION LIGHTING

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



**SHEET NOTES**

- 1 ALL LIGHTS ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE (TYPICAL)
- 2 RELOCATE (E) LIGHT FIXTURES AS REQUIRED FOR (N) LAYOUT, IN AREAS AS DESIGNATED.



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 Electrical Engineering  
 920 Calaveras Street  
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 916.375.0355  
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**VISIONS IN EDUCATION  
 TENANT IMPROVEMENT  
 1931 FOUNDATION PLACE  
 GOLD RIVER, CA. 95670**

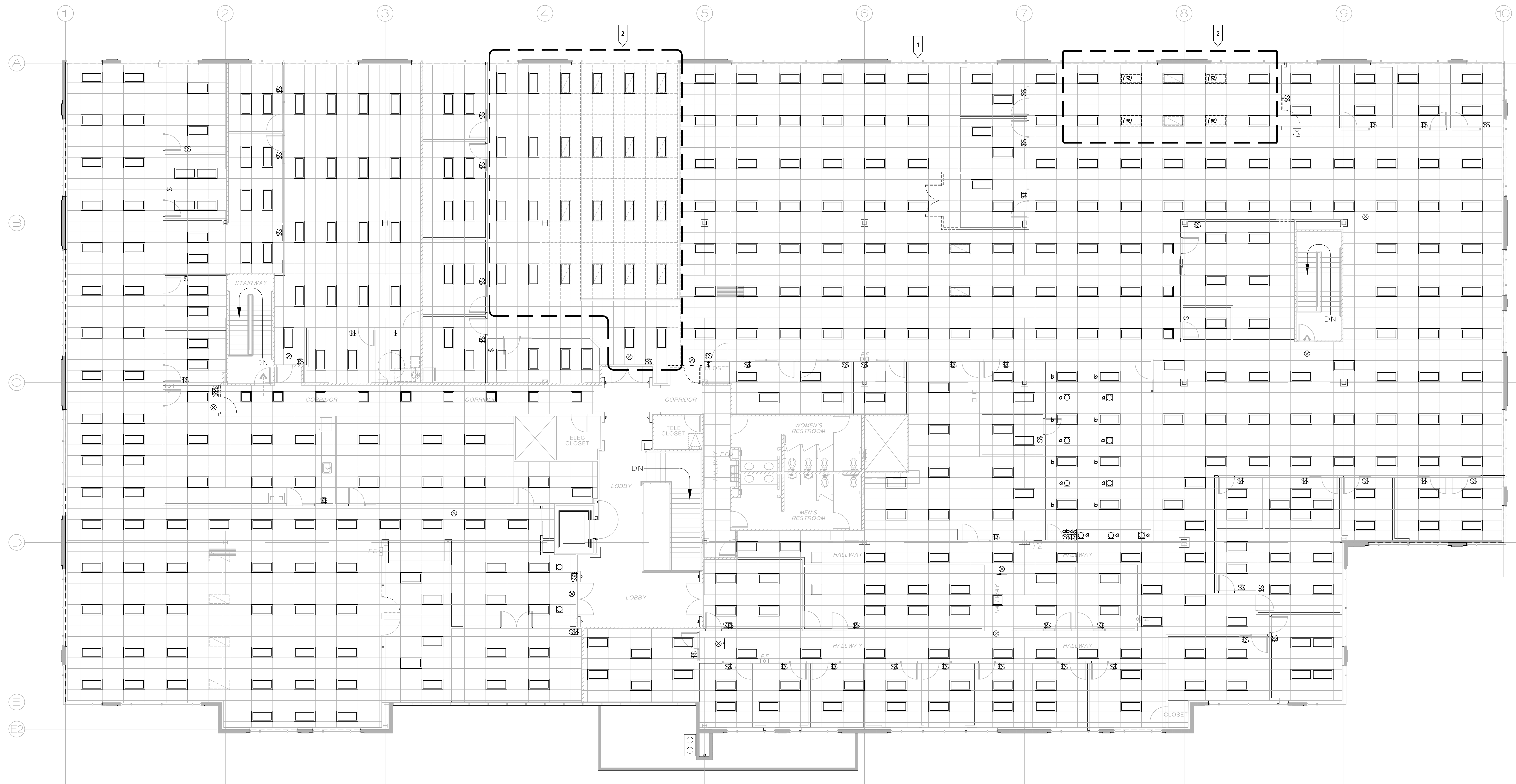
**2ND FLOOR PLAN -  
 DEMOLITION  
 LIGHTING**

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REVISIONS  
 ADDENDUM 1: 4-30-24

DATE: **JANUARY 26, 2024**  
 SCALE: **AS NOTED**  
 DRAWN BY: **JG/TB**  
 JOB NO.: **2024-006**  
 SHEET

**E2.0.2**



**2ND FLOOR PLAN - DEMOLITION LIGHTING**

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



**SHEET NOTES**

- 1 ALL LIGHTS ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE (TYPICAL)
- 2 DISCONNECT SWITCH IN SERVER ROOM (E) CONTACT SYSTEM. PROVIDE NEW LOCAL CONTROL SWITCH NOT ON CONTACTOR POWER. TO BE VERIFIED IN FIELD.



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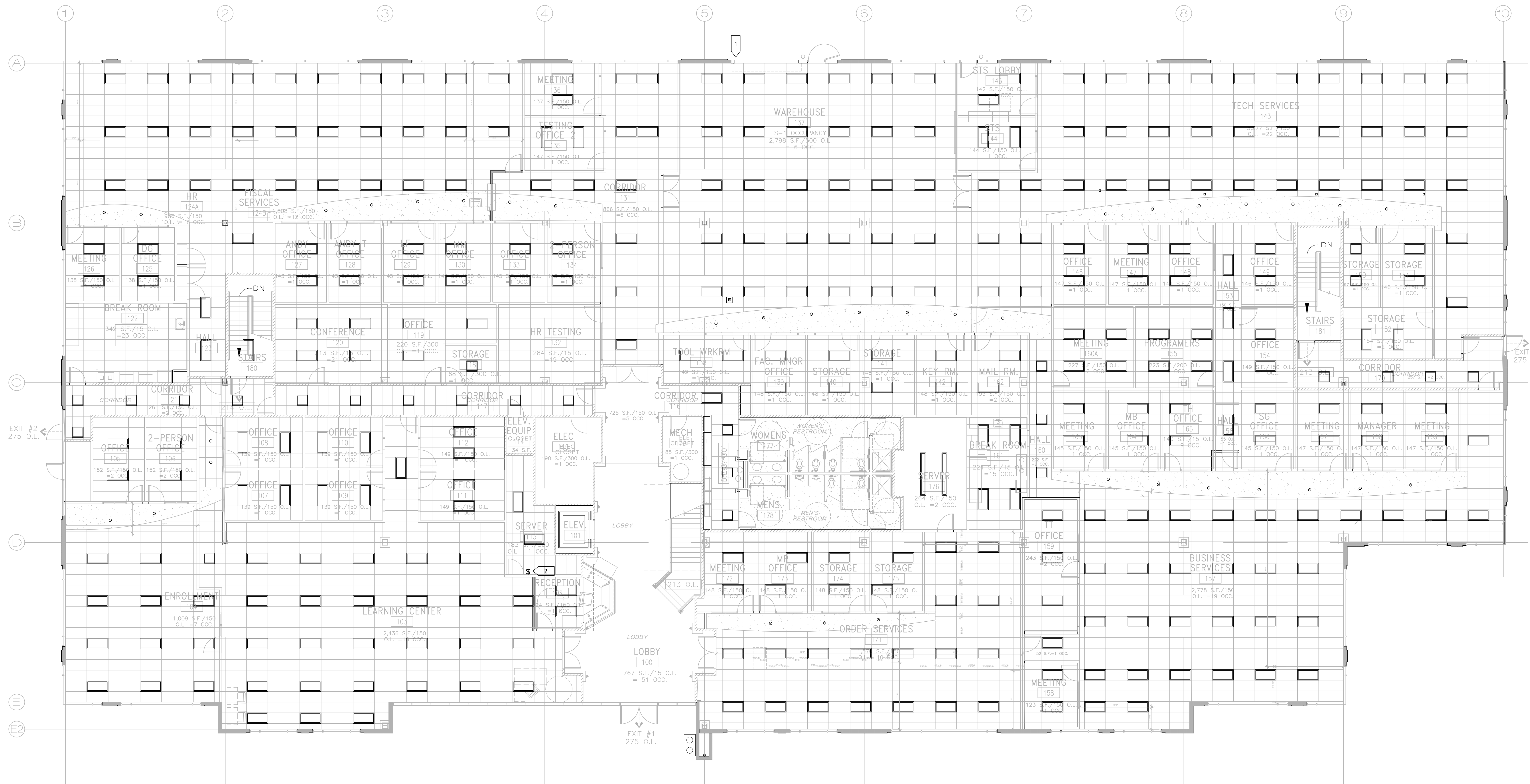
**1ST FLOOR PLAN - LIGHTING**

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JOB NO.: 2024-006  
SHEET

**E2.1**



**1ST FLOOR PLAN - LIGHTING**

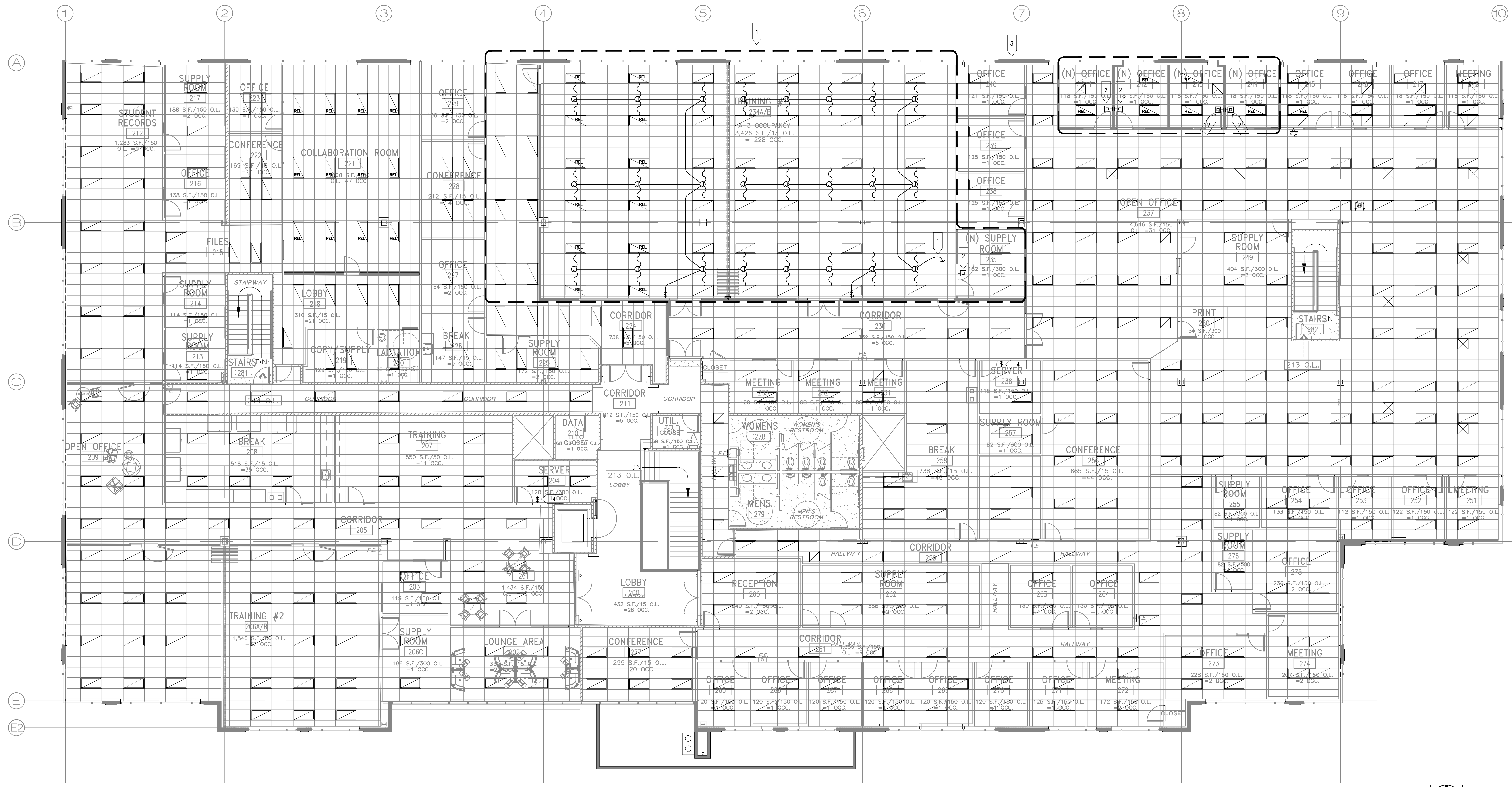


SCALE: 1/8" = 1'-0"

- SHEET NOTES**
- EXISTING LIGHTS TO BE RELOCATED. RECONNECT TO (E) CIRCUITRY. TO BE VERIFIED IN FIELD.
  - PROVIDE (N) MOTION SENSOR WALL SWITCH FOR CONTROL OF NEW ROOMS.
  - ALL (E) LIGHTING TO REMAIN UNLESS NOTED OTHERWISE.
  - DISCONNECT SWITCH IN SERVER ROOM (E) CONTACT SYSTEM. PROVIDE NEW LOCAL CONTROL SWITCH NOT ON CONTRACTOR POWER. TO BE VERIFIED IN FIELD.

**TITLE 24**

1. ALL LIGHTS ARE EXISTING TO BE RELOCATED AND REUSED. NO NEW LIGHTING IS BEING ADDED TO T.1.



**2ND FLOOR PLAN - LIGHTING**

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



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**2ND FLOOR PLAN - LIGHTING**

REVISIONS  
ADDENDUM 1: 4-30-24

DATE: JANUARY 26, 2024  
SCALE: AS NOTED  
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SHEET

**E2.2**

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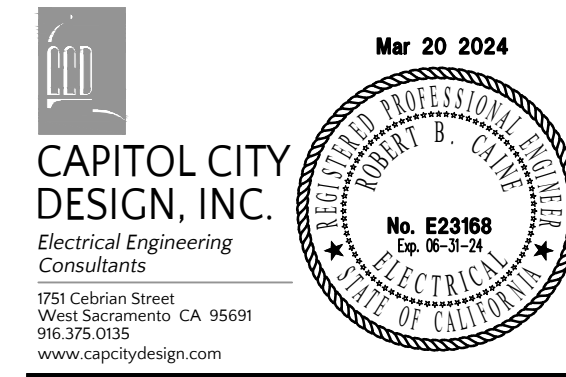
**SHEET NOTES**

1 ALL EXISTING RECEPTACLES SHOWN ARE TO REMAIN UNLESS NOTED OTHERWISE.

1 EXISTING CIRCUITS TO BE RE-USED OR TO BECOME SPARE CIRCUITS. SEE NEW PANEL SCHEDULE LAYOUTS. SPARE BREAKERS TO BE PUT IN THE OFF POSITION.



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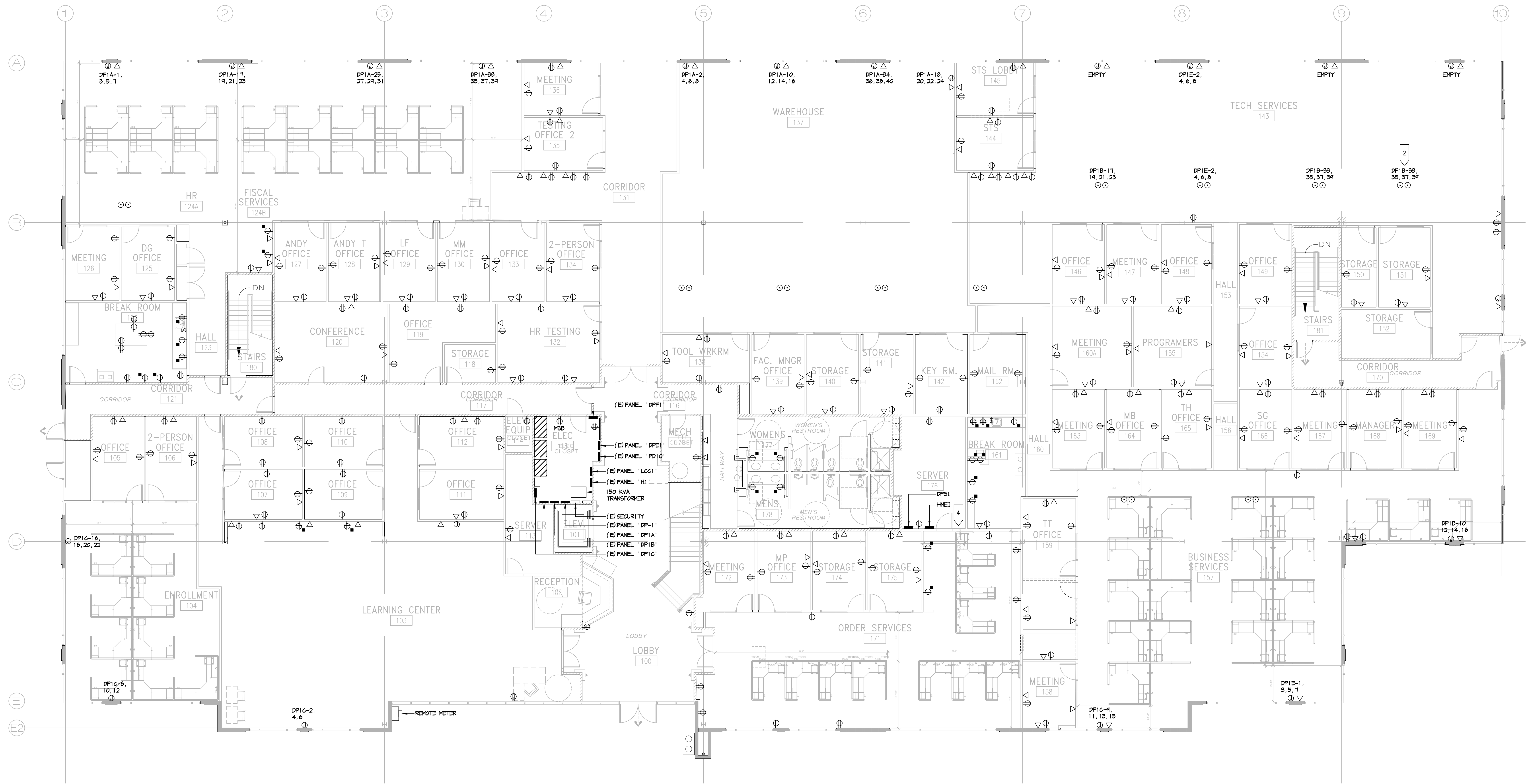
**1ST FLOOR PLAN -  
DEMOLITION  
POWER & SIGNAL**

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REVISIONS  
ADDENDUM 1: 4-30-24

DATE: JANUARY 26, 2024  
SCALE: AS NOTED  
DRAWN BY: JG/TB  
JOB NO.: 2024-006  
SHEET

**E3.0.1**



**1ST FLOOR PLAN - DEMOLITION POWER & SIGNAL**

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



**SHEET NOTES**

1 ALL EXISTING RECEPTACLES SHOWN ARE TO REMAIN UNLESS NOTED OTHERWISE.

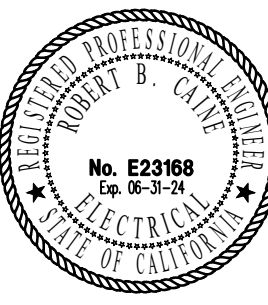
1 EXISTING CIRCUITS TO BE RE-USED OR TO BECOME SPARE CIRCUITS. SEE NEW PANEL SCHEDULE LAYOUTS. SPARE BREAKERS TO BE PUT IN THE OFF POSITION.



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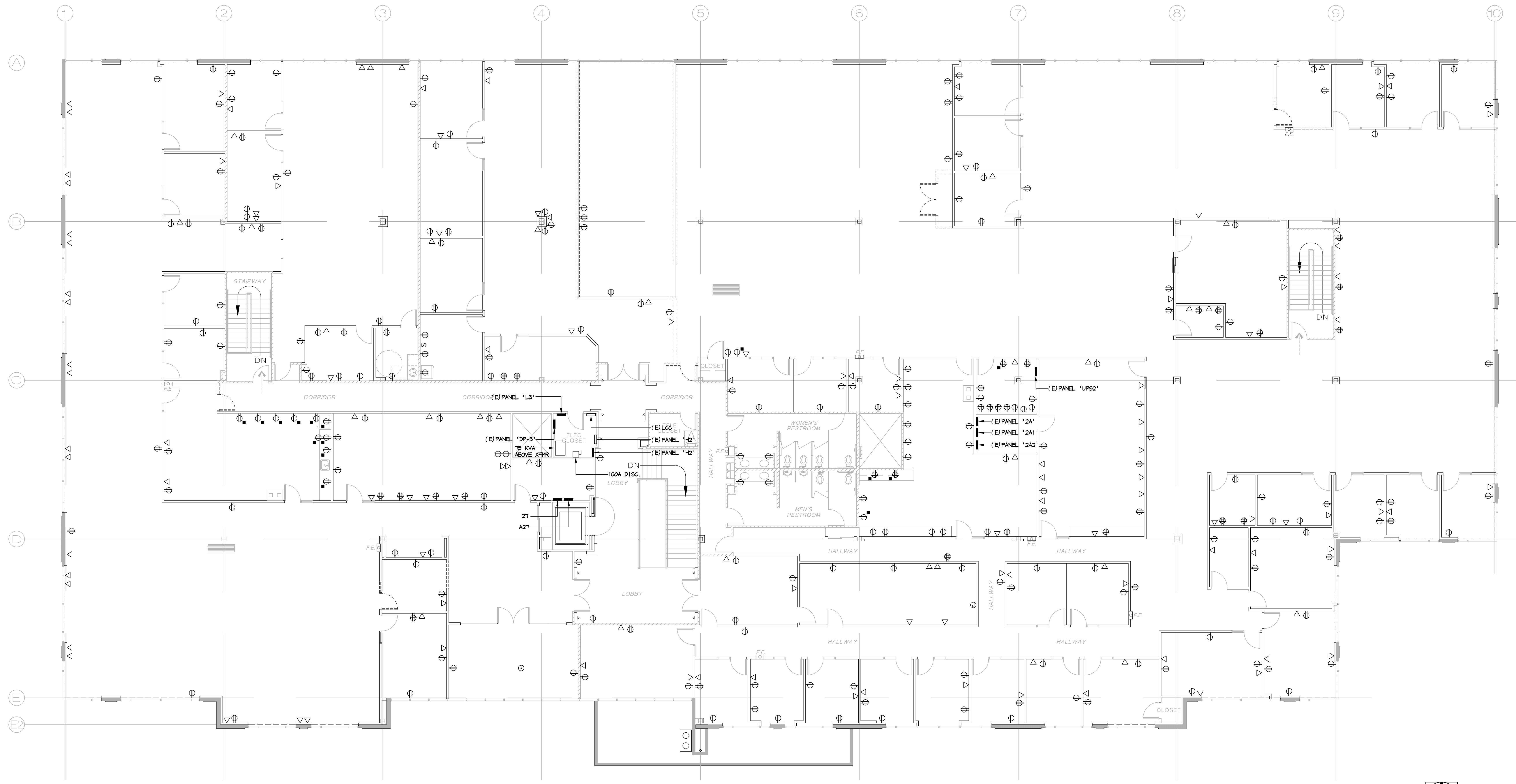
**2ND FLOOR PLAN -  
DEMOLITION  
POWER & SIGNAL**

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REVISIONS  
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DATE: JANUARY 26, 2024  
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SHEET

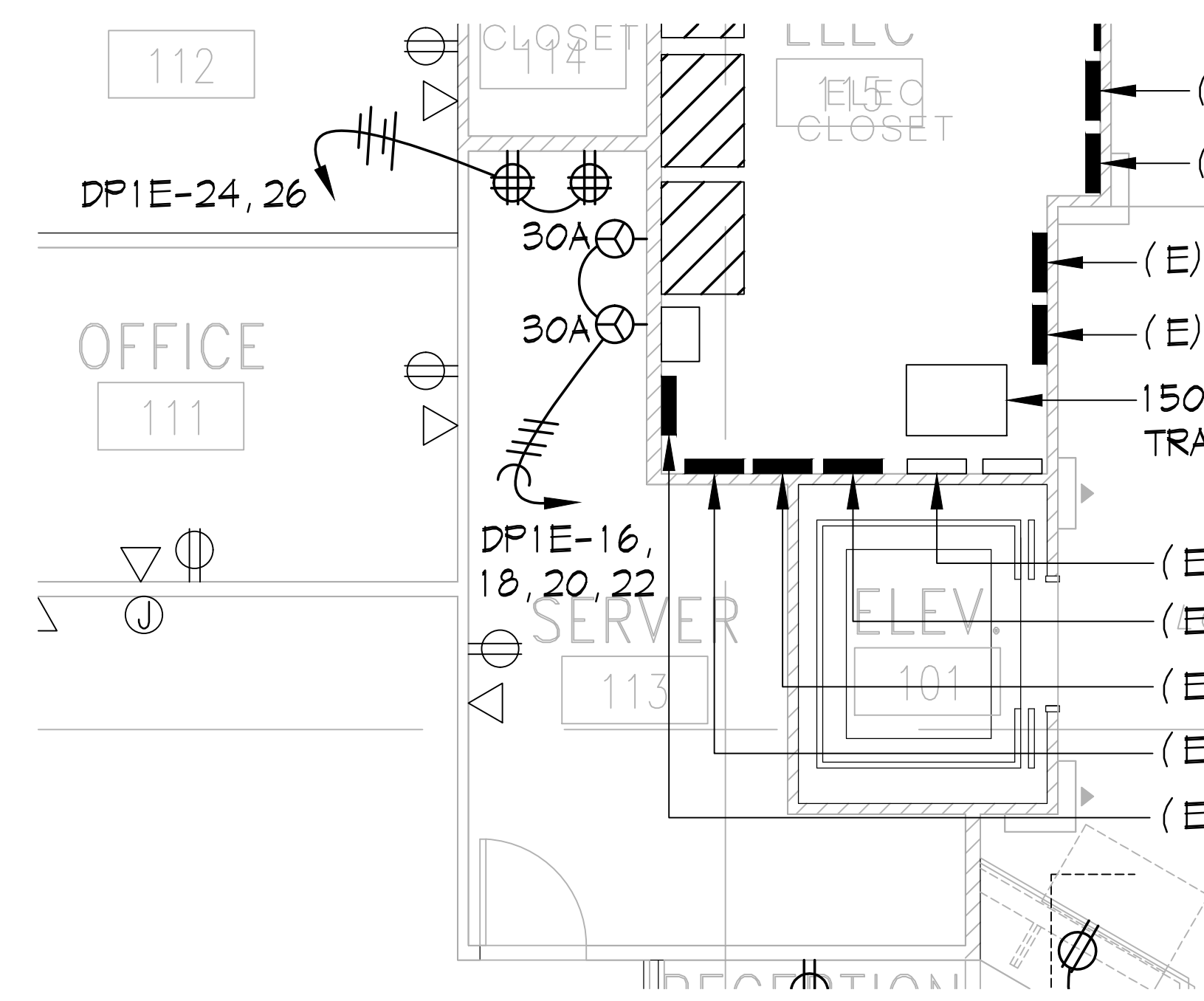
**E3.0.2**



**2ND FLOOR PLAN - DEMOLITION POWER & SIGNAL**

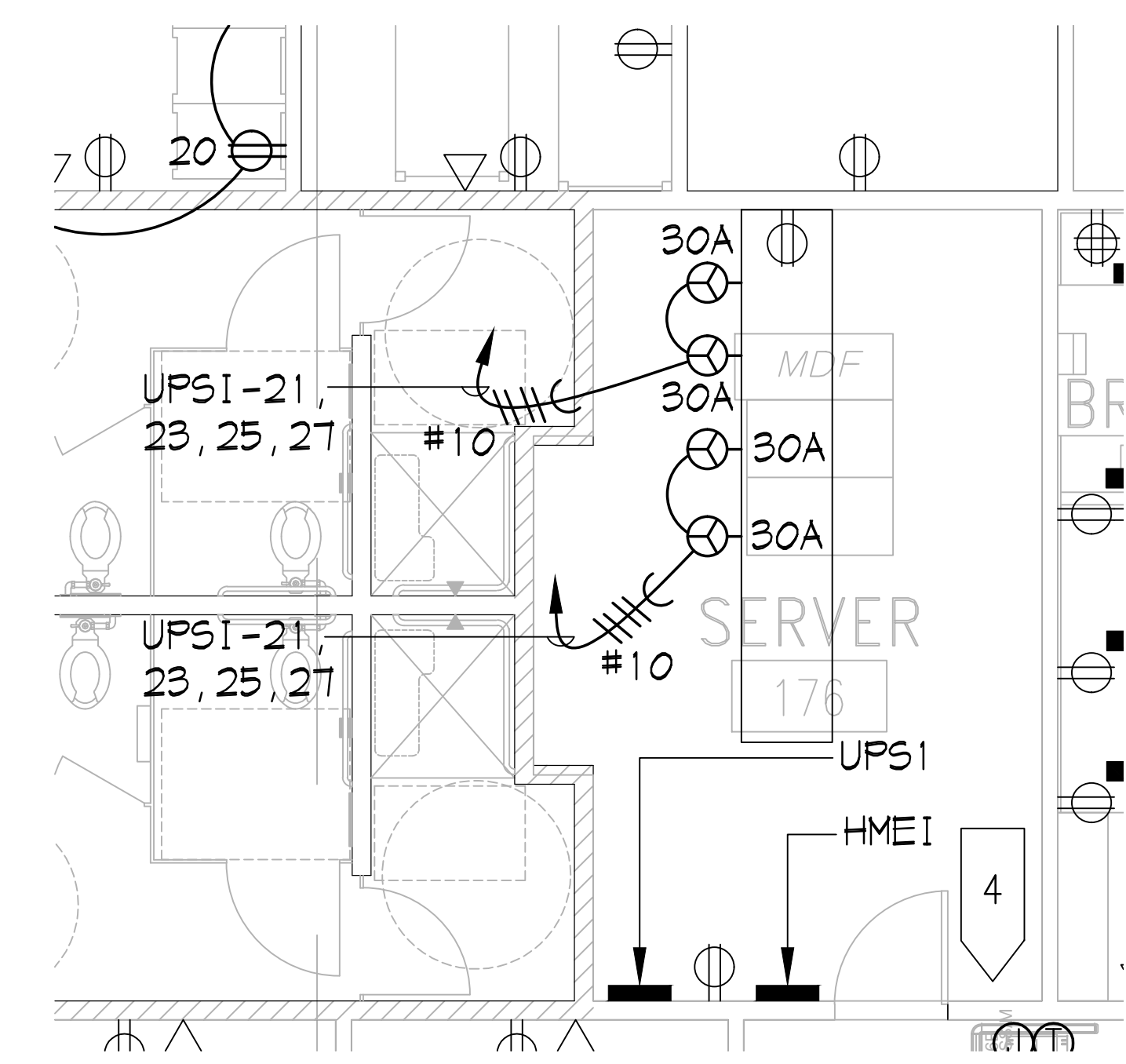


SCALE: 1/8" = 1'-0"



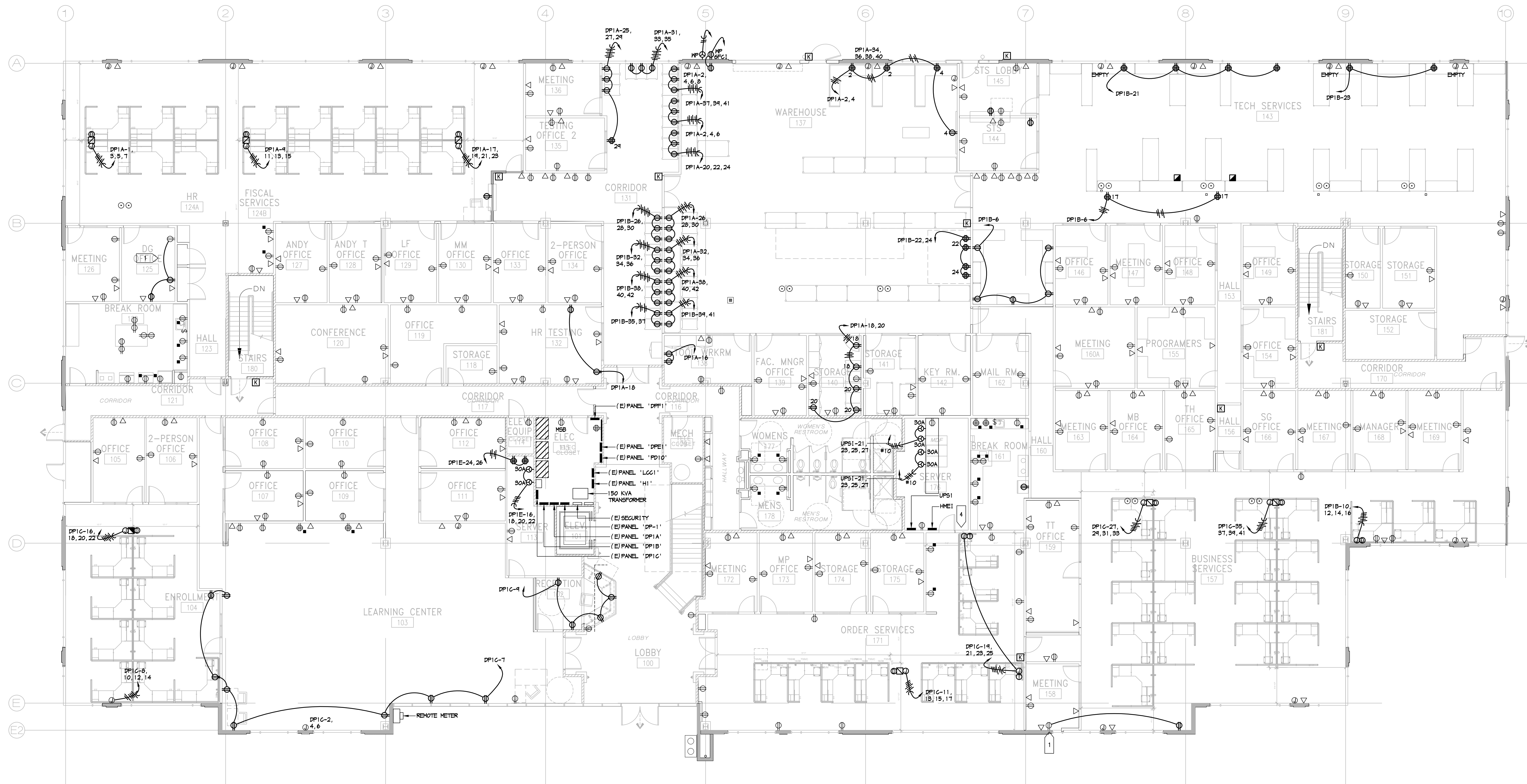
FILE STORAGE ROOM 113

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



SERVER ROOM 76

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

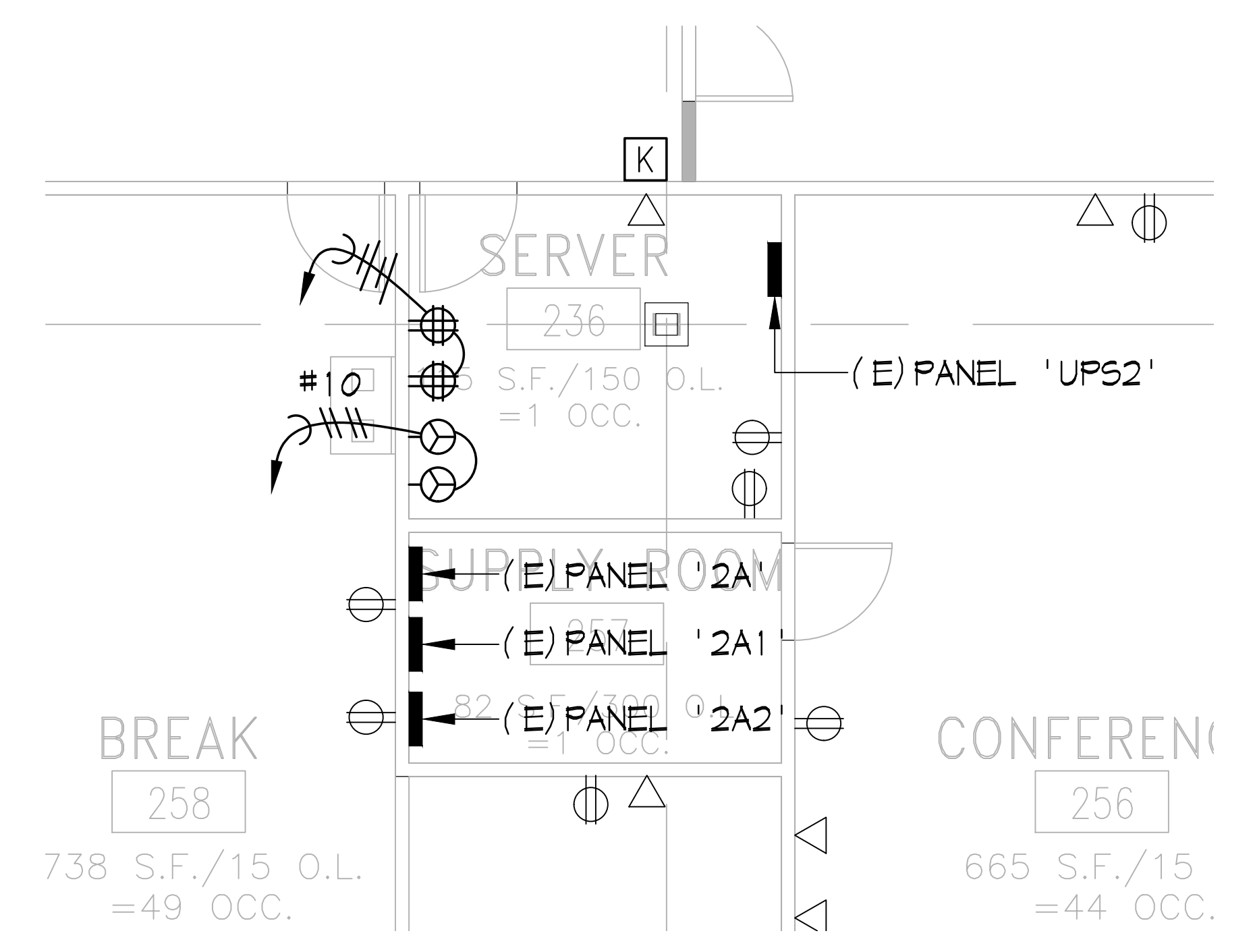
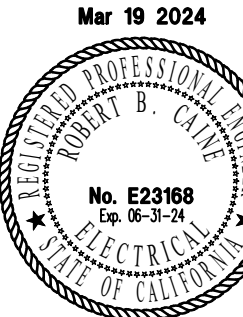


1ST FLOOR PLAN - POWER & SIGNAL

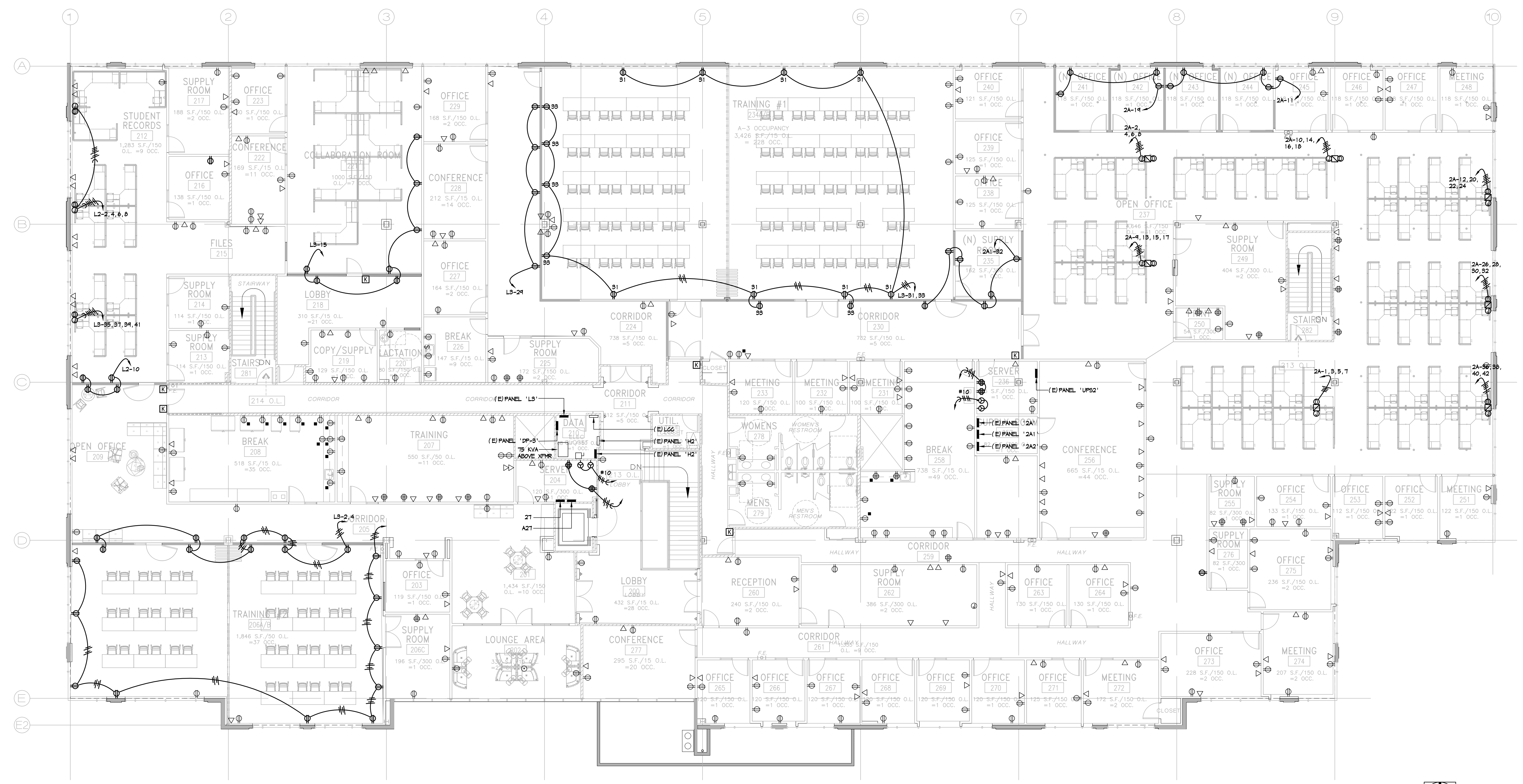
SCALE: 1/8" = 1'-0"







**TELE/DATA ROOM 236 ELECTRICAL**  
SCALE: 1/4" = 1'-0"



**2ND FLOOR PLAN - POWER & SIGNAL**  
SCALE: 1/8" = 1'-0"



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**2ND FLOOR PLAN -  
POWER & SIGNAL**

REVISIONS  
ADDENDUM 1: 4-30-24

DATE: JANUARY 26, 2024  
SCALE: AS NOTED  
DRAWN BY: JG/TB  
JOB NO.: 2024-006  
SHEET

**NOTES:**

SCOPE OF WORK IS TO RELOCATE SPRINKLER HEADS

1. SPRINKLER SYSTEM SHALL CONFORM W/ NFPA 13, 2022 EDITION.
2. ALL PIPE FITTINGS SHALL BE UL AND FM LISTED FOR FIRE SERVICE
3. ALL PIPING SHALL BE SCHEDULE 40 BLACK STEEL, ASTM A53
4. SYSTEM SHALL BE HYDROSTATICALLY TESTED PER NFPA 13-2022:

MODIFICATIONS THAT CANNOT BE ISOLATED, SUCH AS RELOCATED DROPS, SHALL REQUIRE TESTING NORMAL STATIC PRESSURE.

5. PROVIDE NEW ESCUTCHEONS WHERE NEEDED.

HANGER LOADS AT MAXIMUM ALLOWABLE SPACING PER NFPA 13

PIPE SIZE	MAXIMUM HANGER SPACING	WEIGHT OF WATER-FILLED PIPE (LB PER FT)	WATER FILLED PIPE WEIGHT AT MAX. SPACING	5 TIMES PIPE WEIGHT PLUS 250 POUNDS
1"	12'-0"	2.05 LBS	24.60 LBS	373.00 LBS
1 1/4"	12'-0"	2.93 LBS	35.16 LBS	425.80 LBS
1 1/2"	15'-0"	3.61 LBS	54.17 LBS	520.75 LBS
2"	15'-0"	5.13 LBS	76.95 LBS	634.75 LBS

NOTE: FOR PIPE 2" AND SMALLER PIPE WEIGHTS ARE CALCULATED USING SCHEDULE 40 PIPE.

HANGERS TO CONCRETE DECK:  
HANGER INSTALLATION AND SPACING OF HANGERS SHALL CONFORM TO THE 2022 EDITION OF NFPA 13.

**UL**

HILTI KWIK BOLT TZ ANCHOR (OR EQUAL) ICC REPORT #ESR-1917 3,000 PSI CONCRETE 3 1/4" CONCRETE OVER MAX 3" METAL DECK (SEE FIG. 5B ABOVE)

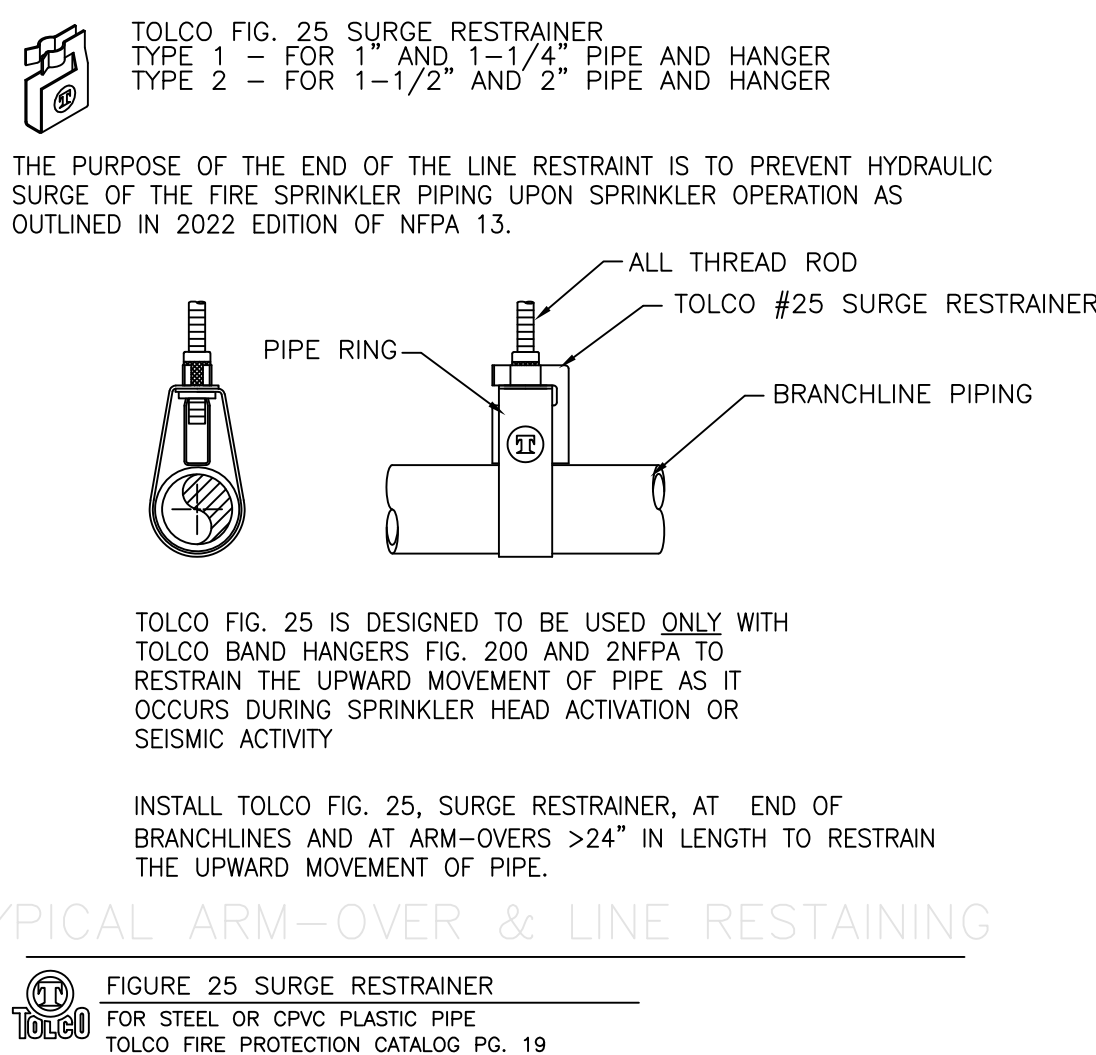
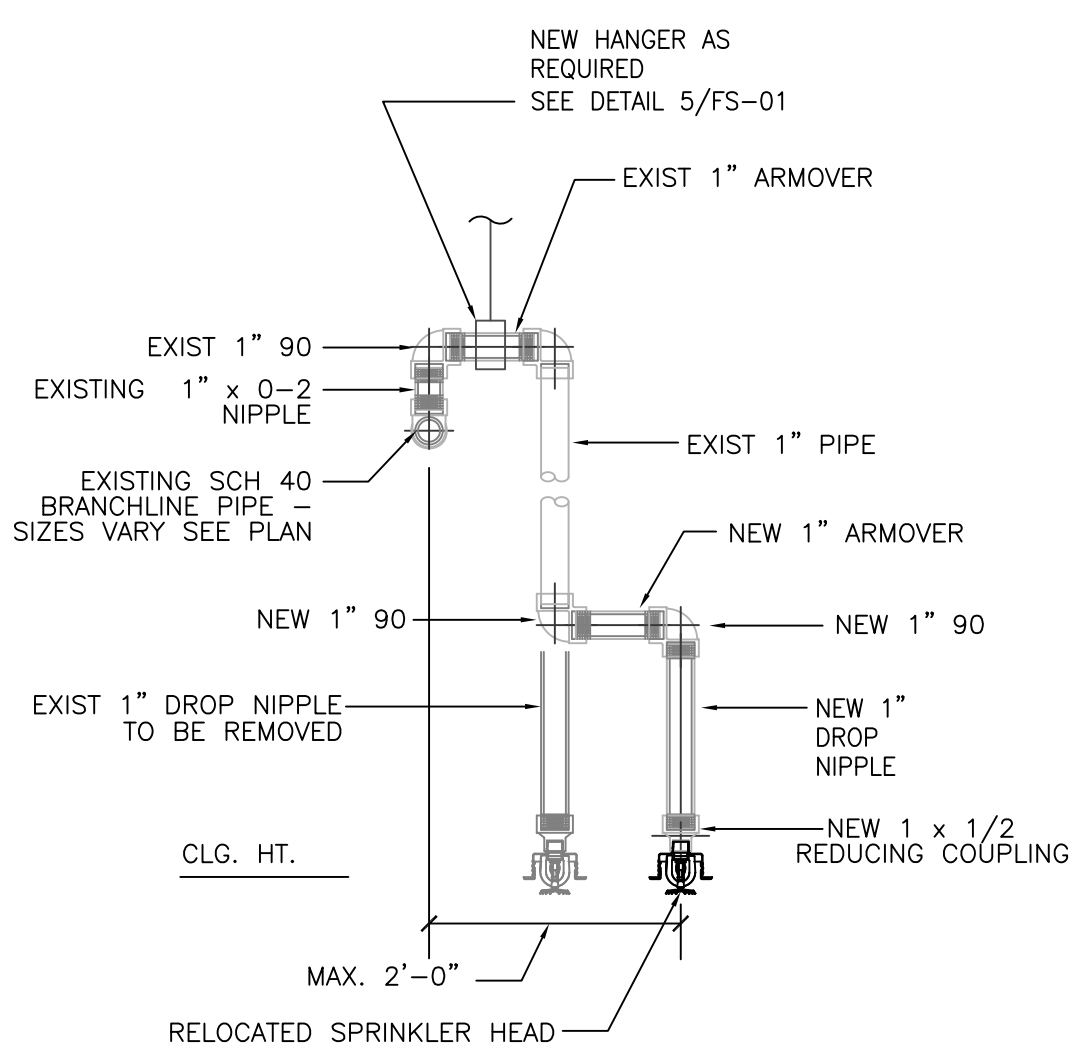
HILTI KWIK HUS-ES  
ICC REPORT #ESR-3027  
3/8" KH-EZ MIN. EMBED. 1 5/8"  
1/2" KH-EZ MIN. EMBED. 2 1/4"  
MAX. SPACING:  
1" & 1 1/4" @ 12'  
1 1/2" TO 3" @ 15'

ROD COUPLING  
THREADED ROD

HILTI FIG LH OR TOLCO FIG 200 HANGER RING **UL**

PIPE SIZE	ROD DIA	BOLT LGTH	IMBED DEPTH
1"	3/8"	3"	2"
1.25"	3/8"	3"	2"
1.5"	3/8"	3"	2"
2"	3/8"	3"	2"
2.5"	3/8"	3"	2"
3"	3/8"	3"	2"
4"	3/8"	3"	2"
6"	1/2"	3 3/4"	2"
8"	1/2"	3 3/4"	2"

01/2012 ALTERNATE HANGER 03 ALT



TYPICAL ARM-OVER & LINE RESTRAINING

FIGURE 25 SURGE RESTRAINER FOR STEEL OR CPVC PLASTIC PIPE TOLCO FIRE PROTECTION CATALOG PG. 19

**POTTER** The Symbol of Protection **PAV** Potter Air Vent

**Features**

- UL Listed for Fire Sprinkler Branch Line applications per UL subject 2573—"Automatic Air Release Valves for Fire Protection Service"
- FM Approved for "Automatic Air Release Valve for Sprinkler Systems"

**Installation**

**NOTICE**

It is strongly recommended to install a ball valve in line with the PAV to assist in servicing the strainer without disabling the sprinkler system.

1. Read and understand the instructions provided before you proceed with installation. The PAV shall be installed in accordance with local ordinances and the applicable NFPA13, NFPA13D, or NFPA13R standard.
2. The Engineer of Record should select the Model PAV, Potter Air Vent installation location. Usually at a point in the system that will vent the most air.
3. The location of the PAV must not interfere with the spray pattern of any sprinkler head. The connection point must be off the top of the pipe. (See Fig. 1)
4. The piping must be level or pitch back toward the fire sprinkler system piping and arranged in such a manner that water will not become trapped. The outlet of the PAV contains a 1/2" male NPT threaded connection allowing the device to be piped to a drain or other suitable location if there are concerns about inadvertent water discharge.
5. Immediately after installation and filling of the fire sprinkler system, the PAV should be inspected for leaks and proper operation. The unit should be inspected periodically. Thereafter the manufacturer recommends quarterly or more frequently.
6. Inspection should include removal and cleaning of the strainer screen. Remove the screen and flush with clean water. Use a wire brush if necessary to remove any particles trapped in the screen.

**PAV and Shutoff Valve Replacement**

The vent used in the PAV is not field replaceable. If the vent should fail, the entire unit must be replaced.

**PAV Outline Drawing**

**Description**

The PAV is an automatic float type air vent used to reduce the amount of air trapped in a pressurized fire sprinkler system. Reducing the amount of air in a fire sprinkler system is essential to help protect the system piping from the effects of corrosion that is often found at the air-water interface in the fire sprinkler system piping.

Removing as much air as possible will also have a positive effect on the performance of vane type waterflow detectors. The operation of vane type waterflow detectors can be delayed or prevented if too much air is trapped in the system piping.

The intent of the product is to vent as much air from the fire sprinkler system as possible. The PAV provides automatic venting of air as the system is being filled. Furthermore, trapped air can also be vented as the air in the system migrates to the vent location over time. The air vent will automatically close when water reaches the vent. The PAV provides a 1/2" NPT male connector which will allow installers to pipe the outlet to a drain or other suitable location if there are concerns of inadvertent water discharge.

**Technical Specifications**

Service Pressure	Up to 175 PSIG
Environmental Limitations	40°F to 120°F (4.3°C to 49°C)
Air Vent	1/2" NPT male / 1/2" outlet to drain 2.04" Outlet Strut Connection
Optional Accessories	Ball valve supersupply switch model RSV3 (Supersupply switch only) listed to monitor the position of the outdoor valve. Outdoor vent screen assembly for outdoor installations above 40°F. See Figure 2.

\*Specifications subject to change without notice.

Potter Electric Signal Company, LLC • St. Louis, MO • Phone: 800-325-3936 • www.pottersignal.com  
5801163-REV E • 219 PAGE 1 OF 3

**POTTER** The Symbol of Protection **PAV** Potter Air Vent

**Installation**

**NOTICE**

It is strongly recommended to install a ball valve in line with the PAV to assist in servicing the strainer without disabling the sprinkler system.

1. Read and understand the instructions provided before you proceed with installation. The PAV shall be installed in accordance with local ordinances and the applicable NFPA13, NFPA13D, or NFPA13R standard.
2. The Engineer of Record should select the Model PAV, Potter Air Vent installation location. Usually at a point in the system that will vent the most air.
3. The location of the PAV must not interfere with the spray pattern of any sprinkler head. The connection point must be off the top of the pipe. (See Fig. 1)
4. The piping must be level or pitch back toward the fire sprinkler system piping and arranged in such a manner that water will not become trapped. The outlet of the PAV contains a 1/2" male NPT threaded connection allowing the device to be piped to a drain or other suitable location if there are concerns about inadvertent water discharge.
5. Immediately after installation and filling of the fire sprinkler system, the PAV should be inspected for leaks and proper operation. The unit should be inspected periodically. Thereafter the manufacturer recommends quarterly or more frequently.
6. Inspection should include removal and cleaning of the strainer screen. Remove the screen and flush with clean water. Use a wire brush if necessary to remove any particles trapped in the screen.

**PAV and Shutoff Valve Replacement**

The vent used in the PAV is not field replaceable. If the vent should fail, the entire unit must be replaced.

**PAV Outline Drawing**

**Description**

The PAV is an automatic float type air vent used to reduce the amount of air trapped in a pressurized fire sprinkler system. Reducing the amount of air in a fire sprinkler system is essential to help protect the system piping from the effects of corrosion that is often found at the air-water interface in the fire sprinkler system piping.

Removing as much air as possible will also have a positive effect on the performance of vane type waterflow detectors. The operation of vane type waterflow detectors can be delayed or prevented if too much air is trapped in the system piping.

The intent of the product is to vent as much air from the fire sprinkler system as possible. The PAV provides automatic venting of air as the system is being filled. Furthermore, trapped air can also be vented as the air in the system migrates to the vent location over time. The air vent will automatically close when water reaches the vent. The PAV provides a 1/2" NPT male connector which will allow installers to pipe the outlet to a drain or other suitable location if there are concerns of inadvertent water discharge.

**Technical Specifications**

Service Pressure	Up to 175 PSIG
Environmental Limitations	40°F to 120°F (4.3°C to 49°C)
Air Vent	1/2" NPT male / 1/2" outlet to drain 2.04" Outlet Strut Connection
Optional Accessories	Ball valve supersupply switch model RSV3 (Supersupply switch only) listed to monitor the position of the outdoor valve. Outdoor vent screen assembly for outdoor installations above 40°F. See Figure 2.

\*Specifications subject to change without notice.

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5801163-REV E • 219 PAGE 2 OF 3

**NFPA 13 (2022)**  
8.1.5 Air Venting  
A single air vent with a connection conforming to 16.7 shall be provided on each wet pipe system utilizing metallic pipe.  
16.7 Air Venting  
The vent required by 8.1.5 shall be located near a high point in the system to allow air to be removed from that portion of the system by one of the following methods:  
Manual valve, minimum 1/2" (15mm) size  
Automatic air vent  
Other approved means

**PROJECT SCOPE**

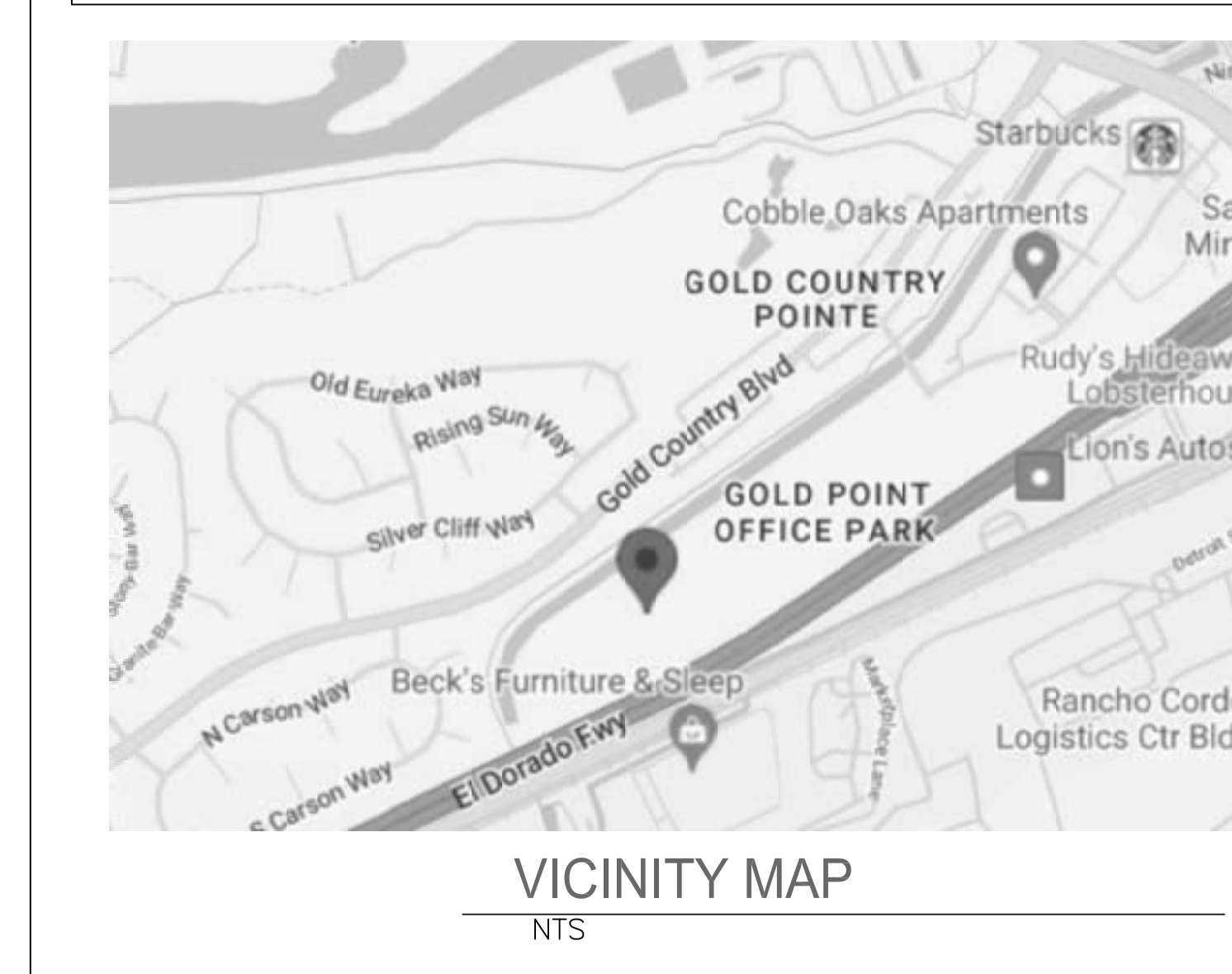
MODIFY SPRINKLER HEAD LOCATIONS TO ACCOMMODATE NEW WALLS AND LIGHTS IN TENANT SPACE.  
RELOCATE 28, ADD 23 AND PLUG 5.

**PROJECT NOTES**

1. THE EXISTING WET FIRE SPRINKLER SYSTEMS IS HYDRAULICALLY CALCULATED FOR LIGHT HAZARD OCCUPANCIES.
2. THREADED PIPING TO BE SCHED40 BLACK STEEL WITH CAST OR DUCTILE IRON FITTINGS.
3. THE INSTALLING FIRE SPRINKLER CONTRACTOR SHALL VERIFY / COORDINATE, AT NO ADDITIONAL COST TO THE OWNER, THE LOCATION OF SPRINKLERS, PIPING, AND DEVICES PRIOR TO FABRICATION AND INSTALLATION OF THE FIRE SPRINKLER SYSTEM.
4. INSTALLING CONTRACTOR TO PROVIDE FIRE SPRINKLER STYLE AND FINISHES THAT MATCH EXISTING COMPONENTS.
5. ADD AUTOMATIC AIR VENT AT TOP OF EACH SYSTEM, IN AN ACCESSIBLE LOCATION FOR DRAINING.

**FIRE PROTECTION GENERAL NOTES**

1. NFPA 13 (2022) SEC. 30.8.1.2 MODIFICATIONS THAT CANNOT BE ISOLATED SUCH AS RELOCATED DROPS, SHALL REQUIRE TESTING AT SYSTEM WORKING PRESSURE.
2. NFPA 13 (2022) SEC. 16.2.7 A SPRINKLER HEAD CABINET, SPRINKLER WRENCH, AND NO FEWER THAN 6 SPARE SPRINKLER HEADS MATCHING THE TYPES AND TEMPERATURE RATING IN EACH PROTECTED BUILDING FOR SYSTEMS LESS THAN 300 SPRINKLERS (12 SPARE SPRINKLER HEADS FOR SYSTEMS 300 TO 1000 SPRINKLERS).
3. NFPA 13 (2022) SEC. 7.7.2 ELECTRICAL WATERFLOW ALARM DEVICES SHALL BE TESTED BY IOR TO CONFIRM THAT WHEN THE INSPECTOR'S TEST VALVE IS ACTIVATED AN ALARM WILL SOUND IN NOT MORE THAN 100 SECONDS.
4. CBC SEC. 903.4.1 ALARM, SUPERVISORY AND TROUBLE SIGNALS SHALL BE DISTINCTLY DIFFERENT AND SHALL BE AUTOMATICALLY TRANSMITTED TO AN APPROVED SUPERVISING STATION OR, WHERE APPROVED BY THE FIRE CODE OFFICIAL, SHALL SOUND AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION.



**FIRE PROTECTION SHEET INDEX**

FPO.0	FIRE SPRINKLERS COVER PAGE
FP.2.1	FIRE SPRINKLERS FIRST FLOOR
FP.2.2	FIRE SPRINKLERS SECOND FLOOR

A SPRINKLER DROP DETAIL  
NO SCALE

B LINE RESTRAINT DETAIL  
NO SCALE

**tyco** Workforce Contacts www.tyco-fire.com

**GRINNELL G-FIRE Figure 40-5 Strap (Pipe Outlet) Americas Only**

**General Description**

The GRINNELL G-FIRE Figure 40-5 Strap is an economical alternative to welded pipe outlets on steel pipe. The Figure 40-5 Strap can be used with full lengths of pipe and eliminates welding, decreasing waste and installation time. The Figure 40-5 Strap can be used in wet, dry pipe, and deluge systems and is rated to a maximum pressure of 175 psi (12 bar).

**Technical Data**

**Approvals**  
UL and ULC Listed  
FM Approved

**Sizes**  
Pipe Run: 1-1/4 to 2-1/2 inch (DN32 to DN63)  
Outlet Thread: 1/2 to 1 inch NPT

**Housing**  
Ductile iron conforming to ASTM A536, Grade 65-45-12

**Protective Coatings**  
Clear rust inhibitive coating

**Boils/Nuts**  
• AND  
The U-bolt is made from carbon steel conforming to ASTM A307 Grade A and zinc-electroplated conforming to ASTM B933.  
• The flange nuts are made from carbon steel conforming to ASTM A563 Grade A, and zinc-electroplated per ASTM B933.  
• Stainless Steel U-Boils and Nuts are available upon request.

**Gasket**  
Refer to data sheet TFP1805 for additional gasket information.

**Care and Maintenance**

The GRINNELL G-FIRE Figure 40-5 Strap must be maintained in accordance with this section.

Before closing a fire protection system main control valve for maintenance work on the fire protection system that it controls, obtain permission to shut down the affected fire protection system from the proper authorities and notify all personnel who may be affected by this decision.

After closing a fire protection system in service, notify the proper authorities and advise those responsible for monitoring proprietary sector control station alarms.

**IMPORTANT**  
Refer to Technical Data Sheet TFP1800 for warnings pertaining to regulatory and health information.

Page 1 of 2 AUGUST 2018 TFP1720

**tyco** Workforce Contacts www.tyco-fire.com

**Series TY-FRB - 2.8, 4.2, 5.6, and 8.0 K-Factor Upright, Pendant, and Recessed Pendant Sprinklers Quick Response, Standard Coverage**

**IMPORTANT**  
Refer to Technical Data Sheet TFP1800 for warnings pertaining to regulatory and health information. Always refer to Technical Data Sheet TFP1800 for the "INSTALLER WARNING" that provides cautions with respect to handling and installation of sprinkler systems and components. Improper handling and installation can permanently damage a sprinkler system or its components and cause the sprinkler to fail to operate in a fire situation or cause it to operate prematurely.

Scan the QR code or enter the URL in a web browser to access the most up-to-date electronic version of this document. Data rates may vary.

**General Description**

The TYCO Series TY-FRB 2.8, 4.2, 5.6, and 8.0 K-Factor Upright, Pendant, and Recessed Pendant Sprinklers are quick response, standard coverage, decorative 3 mm glass bulb-type spray sprinklers. They are designed for use in light or ordinary hazard, commercial occupancies such as banks, hotels, and shopping malls. The sprinkler, where applicable, is intended for use in areas with a finished ceiling. This recessed pendant sprinkler uses one of the following recessed escutcheons:

- Two-piece Style 10 (1/2 in. NPT) or Style 40 (3/4 in. NPT) Recessed Escutcheon with 1/2 in. (12.7 mm) of recessed adjustment or up to 3/4 in. (19.1 mm) of total adjustment from the flush pendant position.
- Two-piece Style 20 (1/2 in. NPT) or Style 30 (3/4 in. NPT) Recessed Escutcheon with 1/4 in. (6.4 mm) of recessed adjustment or up to 1/2 in. (12.7 mm) of total adjustment from the flush pendant position.

The adjustment provided by the recessed escutcheon reduces the accuracy to which the fixed pipe drops to the sprinkler must be cut. Corrosion-resistant coatings, where applicable, are utilized to extend the life of copper alloy sprinklers beyond what would be obtained when exposed to corrosive atmospheres. Although corrosion-resistant coated sprinklers have passed the standard corrosion tests of the applicable approval agencies, the testing is not representative of all possible corrosive atmospheres. Consequently, it is recommended that the end user be consulted with respect to the suitability of these coatings for any given corrosive environment. The effects of ambient temperature, concentration of chemicals and gas/chemical velocity, should be considered, as a minimum, along with the corrosive nature of the chemical to which the sprinkler will be exposed.

**Sprinkler Identification Number (SIN)**

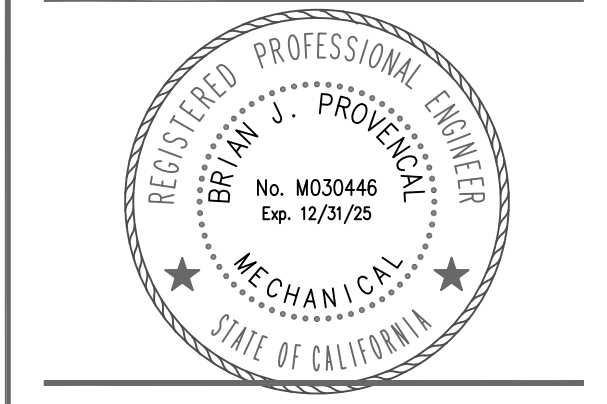
TY1131... Upright 2.8K, 1/2 in. NPT  
TY1231... Pendant 2.8K, 1/2 in. NPT  
TY2131... Upright 4.2K, 1/2 in. NPT  
TY2231... Pendant 4.2K, 1/2 in. NPT  
TY3131... Upright 5.6K, 1/2 in. NPT  
TY3231... Pendant 5.6K, 1/2 in. NPT  
TY4131... Upright 8.0K, 3/4 in. NPT  
TY4231... Pendant 8.0K, 3/4 in. NPT  
TY4831... Upright 8.0K, 1/2 in. NPT  
TY4931... Pendant 8.0K, 1/2 in. NPT

**IMPORTANT**  
The Series TY-FRB 2.8, 4.2, 5.6, and 8.0 K-Factor Upright, Pendant, and Recessed Pendant Sprinklers described herein must be installed and maintained in compliance with the code and with the applicable standards of the National Fire Protection Association (NFPA), in addition to:

Page 1 of 2 DECEMBER 2022 TFP171

**GRA** architect

205 23rd Street, Suite 130  
Sacramento, CA 95816  
916 498-7900



VISIONS IN EDUCATION  
TENANT IMPROVEMENT  
1931 FOUNDATION PLACE  
GOLD RIVER, CA. 95670

**TURLEY & ASSOCIATES** MECHANICAL ENGINEERING GROUP INC.

2411 Capital Avenue Sacramento, CA 95816  
Phone: (916) 225-1000 Fax: (916) 225-0575 Email: info@turleyinc.com

Project Engineer: BP Job Number: 24321  
Project Manager: TF Plot Date: Apr 05, 2024 - 7:24am  
Project Director: LC Logn: any

**FIRE SPRINKLER COVER PAGE**

DATE: JANUARY 31, 2024  
SCALE: AS NOTED  
DRAWN BY: T&A  
JOB NO.: 22-19  
SHEET:

ADDENDUM 1: 4-30-24

FPO.0



**VISIONS IN EDUCATION  
TENANT IMPROVEMENT**  
 11931 FOUNDATION PLACE  
 GOLD RIVER, CA. 95670

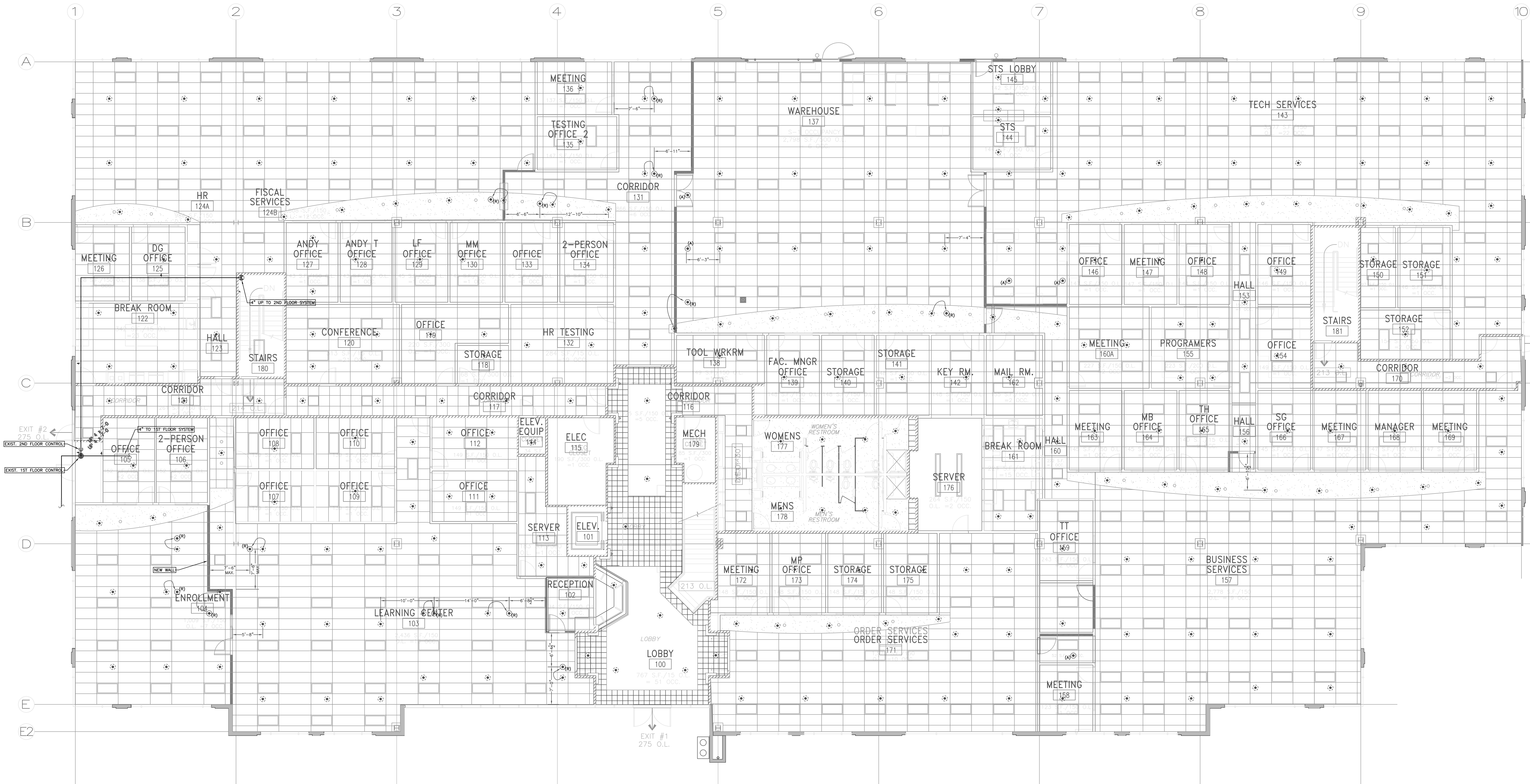
**TURLEY & ASSOCIATES** MECHANICAL ENGINEERING GROUP, INC.  
 2411 Capitol Avenue Sacramento, CA 95816  
 (916) 325-1085 FAX (916) 325-0915  
 Email: office@turleyandassociates.com  
 Project Engineer: BP Job Number: 24101  
 Project Manager: TF Plan Date: Apr 05, 2024 7:15pm  
 Project Director: LC Logix: Any

**FIRE SPRINKLER FIRST FLOOR**

REVISIONS  
**ADDENDUM 1: 4-30-24**

DATE: **JANUARY 31, 2024**  
 SCALE: **AS NOTED**  
 DRAWN BY: **T&A**  
 JOB NO.: **22-19**  
 SHEET

**FP2.1**



Sprinkler Head Schedule

Symbol	Count	Thread	K-Factor	Description	Note
⊙	18	1/2"	5.6	TY3231 1/2 QR 155 WP PDR	ON DROP
⊕	(266)	1/2"	5.6	EXISTING 1" QR RECESSED	ON DROP

18 = Total Number of Heads This Floor

- (R) RELOCATE = 13
- (A) ADD = 5
- (P) PLUG = 0

**NEW 1st FLOOR PLAN**  
 1/8" = 1'-0"

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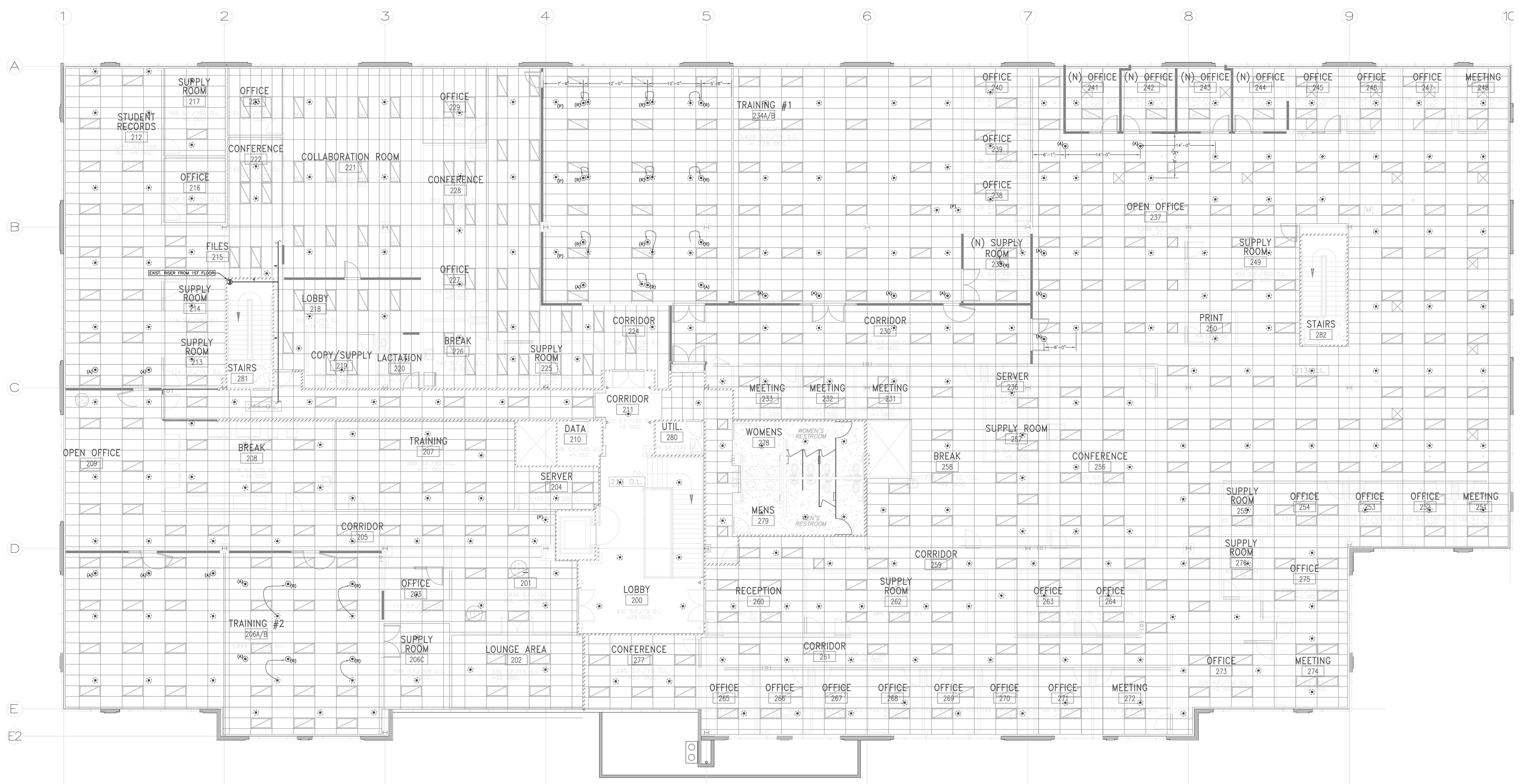
**VISIONS IN EDUCATION  
TENANT IMPROVEMENT**  
11931 FOUNDATION PLACE  
GOLD RIVER, CA. 95670

**TURLEY & ASSOCIATES** MECHANICAL ENGINEERING GROUP, INC.  
2411 Capital Avenue, Sacramento, CA 95816  
Project Engineer: BP Job Number: 24101  
Project Manager: TF Plan Date: Apr 05, 2024 - 7:15pm  
Project Director: LC Login: Any

**FIRE SPRINKLER  
SECOND FLOOR**

REVISIONS  
**ADDENDUM 1: 4-30-24**

DATE: **JANUARY 31, 2024**  
SCALE: **AS NOTED**  
DRAWN BY: **T&A**  
JOB NO.: **22-19**  
SHEET



Sprinkler Head Schedule					
Symbol	Count	Thread	K-Factor	Description	Note
⊙	33	1/2"	5.6	TY3231 1/2 QR 155 WP PDR	ON DROP
⊙	(265)	1/2"	5.6	EXISTING 1" OR RECESSED	ON DROP
33 = Total Number of Heads This Floor					

(R) RELOCATE = 15  
(A) ADD = 18  
(P) PLUG = 5

**1 NEW 2nd FLOOR PLAN**  
1/8" = 1'-0"  
1/8" = 1'-0" 0 2' 6' 12' 24'



DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jet Trudler	Documentation Author Signature: 
Company: Turley & Associates	Signature Date: 2024-02-29
Address: 2431 Capitol Ave City/State/Zip: Sacramento CA 95816	CEA/HERS Certification Identification (if applicable): Phone: (916) 325-1065

RESPONSIBLE PERSON'S DECLARATION STATEMENT

- I certify the following under penalty of perjury, under the laws of the State of California:
- The information provided on this Certificate of Compliance is true and correct.
  - I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
  - The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
  - The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
  - I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: GRA Architecture	Responsible Designer Signature: 
Company: GRA Architecture	Date Signed: 2024-02-29
Address: 205 23rd St, Suite 130 City/State/Zip: Sacramento CA 95816	License: Phone: (916) 498-7900

Generated Date/Time: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Documentation Software: EnergyPro Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-1539-0224-0459 Report Generated: 2024-02-29 22:52:24
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MECHANICAL SYSTEMS

A. GENERAL INFORMATION

01 Project Location (city)	Gold River	04 Total Conditioned Floor Area	31734
02 Climate Zone	12	05 Total Unconditioned Floor Area	0
03 Occupancy Types Within Project:		06 # of Stories (Habitable Above Grade)	2

• Office • Warehouse • All Other Occupancies

B. PROJECT SCOPE

This table includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, 170.2(a) or 141.0(b)2 and 180.2(b)2 for alterations.

01	02	03
Air System(s)	Wet System Components	Dry System Components
<input type="checkbox"/> Heating Air System	<input type="checkbox"/> Water Economizer	<input type="checkbox"/> Air Economizer
<input type="checkbox"/> Cooling Air System	<input type="checkbox"/> Pumps	<input type="checkbox"/> Electric Resistance Heat
<input type="checkbox"/> Mechanical Controls	<input type="checkbox"/> System Piping	<input type="checkbox"/> Fan Systems
<input checked="" type="checkbox"/> Mechanical Controls (existing to remain, altered or new)	<input type="checkbox"/> Cooling Towers	<input type="checkbox"/> Ductwork (existing to remain, altered or new)
	<input type="checkbox"/> Chillers	<input checked="" type="checkbox"/> Ventilation
	<input type="checkbox"/> Boilers	<input checked="" type="checkbox"/> Zonal Systems/ Terminal Boxes

Generated Date/Time: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Documentation Software: EnergyPro Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-1539-0224-0459 Report Generated: 2024-02-29 22:52:24
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MECHANICAL SYSTEMS

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, or the table indicated as not compliant for guidance.

01	02	03	04	05	06	07	08	09
System Summary	Pumps	Fans/Economizers	System Controls	Ventilation	Terminal Box Controls	Distribution	Cooling Towers	
110.1, 110.2, 140.4, 170.2(c)	140.4(c), 170.2(c)(4)	140.4(c), 140.4(e), 170.2(c)	110.2, 120.2, 140.4(f), 170.2(c)	120.1, 160.2	120.3, 140.4(e), 170.2(c)(4B)	140.4(f), 160.2, 160.3	110.2(h)(2)	Compliance Results
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	(See Table M)	COMPLIES

Mandatory Measures Compliance (See Table Q for Details) COMPLIES

D. EXCEPTIONAL CONDITIONS  
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS  
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)  
This section does not apply to this project.

G. PUMPS  
This section does not apply to this project.

Generated Date/Time: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Documentation Software: EnergyPro Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-1539-0224-0459 Report Generated: 2024-02-29 22:52:24
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H. WALL ASSEMBLY SCHEDULE

Area-Weighted Average U-factor Compliance Calculation for Mass/ Concrete Sandwich Panel/ Log/ ICF Walls

01	02	03	04	05	06
Wall Type	Total Area of Wall Type (ft²)	Mandatory U-factor Required	Area-weighted U-factor for Wall Type	Area-weighted U-factor for Wall Type	Compliance Results Using Area-Weighted Calculation Option
			Required	Designed	
Light Mass	0	0.44	0	0	COMPLIES
Heavy Mass	219	0.69	0.78	0.78	COMPLIES

I. FLOOR ASSEMBLY SCHEDULE  
This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE  
This section does not apply to this project.

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This table demonstrates compliance with prescriptive fenestration requirements in 140.3(a)(5)/170.2(a)(3) for new constructions, 141.0(a)/180.1 for additions, or 141.0(b)(2)/180.2 for alterations. Exterior doors that are more than 25% glass in area are considered Glazed Doors and should be documented on this table with fenestration.

01	02	03	04	05	06	07	08	09	10	11	12	13
Tag/Plan Detail ID	Fenestration Type	Occupancy & Status	U-factor (R)SHGC Compliance Method	VT Compliance Method	Calculation Method for Performance Values per Design <sup>1</sup>	Product Performance Unit	Required Product Performance	Product Performance per Design	Area ft²	U-factor (max)	(R)SHGC (max)	VT (min)
Window	Fixed window	Nonresidential/ Relocatable 1 CZ: New			\$110.6 Defaults		0.71	0.71	70	0.73	0.73	0.5

<sup>1</sup>FOOTNOTES: Fenestration types indicated above as "new only" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be checked above and compliance demonstrated within this table.

Generated Date/Time: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Documentation Software: EnergyPro Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-1539-0224-0459 Report Generated: 2024-02-29 22:52:24
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MECHANICAL SYSTEMS

K. FENESTRATION AND GLAZED DOOR SCHEDULE

Vertical Fenestration And Glazed Doors- U-factor, Solar Heat Gain Coefficient (RSHGC/ SHGC), Visible Transmittance (VT)

04	05	06	07	08	09	10	11	12	13
Tag/Plan Detail ID	Fenestration Type	Occupancy & Status	U-factor (R)SHGC Compliance Method	VT Compliance Method	Calculation Method for Performance Values per Design <sup>1</sup>	Product Performance Unit	Required Product Performance	Product Performance per Design	Area ft²
Window	Fixed window	Nonresidential/ Relocatable 1 CZ: New			\$110.6 Defaults		0.71	0.71	70

<sup>1</sup>FOOTNOTES: If any individual fenestration product is non-compliant, products may show compliance using an area-weighted calculation. Chromogenic glazing is not included in area-weighted calculations. Area-weighted calculation shown in separate area-weighted table below.  
<sup>2</sup>The NA6 Default Calculation can only be used for alterations or dwelling units in buildings with <= 3 habitable stories. Alterations are limited to 200% of site built glazing and dwelling units are limited to 250% or 5% of conditioned floor area. If the fenestration does not meet these conditions, the only options for determining fenestration values are NRC Certification or the Default Tables in 110.6.  
<sup>3</sup>Overhangs must extend past the left and right window the same distance as the depth of the overhang or greater to show an effect on the RSHGC. If an overhang does not meet this requirement, the effect of the overhang will be ignored.  
<sup>4</sup>Projecting includes casement and awning windows.

Area-Weighted Average U-factor, SHGC, VT Compliance Calculation for Vertical Fenestration And Glazed Doors

01	02	03	04	05
Product Performance Unit	Total Area of Fenestration (ft²)	Area-weighted Calculation for Fenestration	Area-weighted Calculation for Fenestration	Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
U-factor	70	0	0	COMPLIES
(R)SHGC	70	0	0	COMPLIES
VT	70	0	0	COMPLIES

L. DAYLIGHT IN LARGE ENCLOSED SPACES  
This section does not apply to this project.

Generated Date/Time: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Documentation Software: EnergyPro Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-1539-0224-0459 Report Generated: 2024-02-29 22:52:24
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MECHANICAL SYSTEMS

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by the permit applicant, an explanation should be included in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at [https://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/NRCC/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/NRCC/). Individuals who perform the field testing and verification work, and provide the information required for completion of the fenestration Certificate of Acceptance documentation are not required to be licensed professionals. However, the person who signs the Certificate of Acceptance document to certify compliance with the acceptance requirements shall be licensed as specified in Standards Section 10-103.0(a) and 1047.3.1

Form/Title

NRCC-ENV-01-E - Must be submitted for all buildings.

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, form user must provide an explanation in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at [https://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/NRCC/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/NRCC/). Individuals who perform the field testing and verification work, and provide the information required for completion of the fenestration Certificate of Acceptance documentation are not required to be licensed professionals. However, the person who signs the Certificate of Acceptance document to certify compliance with the acceptance requirements shall be licensed as specified in Standards Section 10-103.0(a) and 1047.3.1

Form/Title	Systems/Spaces To Be Field Verified

NRCC-ENV-02-F must be submitted for all new, added or altered site built fenestration.

O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION  
There are no forms required for this project.

Generated Date/Time: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Documentation Software: EnergyPro Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-1539-0224-0459 Report Generated: 2024-02-29 22:52:24
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A. GENERAL INFORMATION

01 Project Location (city)	Gold River	05 # of Stories (Habitable Above Grade)	2
02 Zipcode	95670	06 Total Conditioned Floor Area (ft²)	31734
03 Climate Zone	12	07 Total Unconditioned Floor Area (ft²)	0

04 Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy (per 100.0(f)).  
 Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling height of at least 15 ft.<sup>1</sup>

• Office • Warehouse • All Other Occupancies

<sup>1</sup> FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/170.2(b). Compliance with 140.3(c)/170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/170.2 and 141.0(a)/180.1 and 141.0(b)1 and 2/180.2 for additions and alterations.

My project consists of (check all that apply)	Component Types
01	02
<input type="checkbox"/> New Construction or Newly Conditioned Space	<input type="checkbox"/> Walls <input type="checkbox"/> Exterior Opaque Doors
<input type="checkbox"/> One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft	<input type="checkbox"/> Floors <input type="checkbox"/> Fenestration/ Glazed Doors <sup>1</sup>
<input type="checkbox"/> Addition of conditioned space	<input type="checkbox"/> Walls <input type="checkbox"/> Exterior Opaque Doors
<input type="checkbox"/> One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft	<input type="checkbox"/> Floors <input type="checkbox"/> Fenestration/ Glazed Doors <sup>1</sup>
<input type="checkbox"/> Addition is <= 700 ft²	
<input type="checkbox"/> Addition is > 700 ft²	
<input checked="" type="checkbox"/> Alteration of conditioned space	<input type="checkbox"/> Roof Assembly <input checked="" type="checkbox"/> Walls
<input type="checkbox"/> One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time	<input type="checkbox"/> Roofing Material <sup>2</sup> <input type="checkbox"/> Floors <input checked="" type="checkbox"/> Fenestration

Generated Date/Time: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Documentation Software: EnergyPro Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-1539-0224-0459 Report Generated: 2024-02-29 22:52:24
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MECHANICAL SYSTEMS

B. PROJECT SCOPE

<sup>1</sup>FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.  
<sup>2</sup>Roof recoats and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through L. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see the applicable table referenced below.

Opaque Envelope Components							Fenestration	Daylighting Spaces > 5,000ft²	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors	05	06	07	08	
01	02	03	04	05	06	07	08	09	COMPLIES
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	(See Table M)	(See Table N)	

D. EXCEPTIONAL CONDITIONS  
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS  
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. ROOF ASSEMBLY SCHEDULE  
This section does not apply to this project.

G. RATED ROOFING MATERIAL (COOL ROOF)  
This section does not apply to this project.

Generated Date/Time: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Documentation Software: EnergyPro Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-1539-0224-0459 Report Generated: 2024-02-29 22:52:24
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MECHANICAL SYSTEMS

H. WALL ASSEMBLY SCHEDULE

This table demonstrates compliance with prescriptive wall assembly requirements in 140.3(a)/170.2(a) for new constructions, 141.0(a)/180.1 for additions and 141.0(b)1/180.2 for alterations.

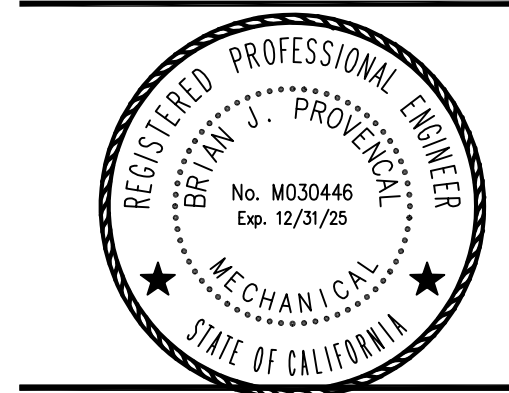
01	02	03	04	05	06	07	08	09	10	11	12
Tag/Plan Detail ID	Occupancy Type	How Design U-factor was determined	Mass Material	Fill Options	Thickness (in)	Frame Material & Thickness	Cavity Insulation per Design	Maximum U-factor Allowed <sup>1</sup>	U-factor per Design	Net Area <sup>2</sup> ft²	
(Alt) Exterior Wall (N)	Nonresidential/ Relocatable 1 CZ	JA4 Tables	Concrete	Solid Unit	7 in	No frame type- any Thick 0.50 in	0	0.78	per JA4 per Software/ Other	0.78	150
(Alt) Exterior Wall (N)	Nonresidential/ Relocatable 1 CZ	JA4 Tables	Concrete	Solid Unit	7 in	No frame type- any Thick 0.50 in	0	0.78	per JA4 per Software/ Other	0.78	69

<sup>1</sup> FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Mass walls are combined with concrete sandwich panel, log and ICF wall types. Mass walls must meet mandatory requirements in 120.7(b), but may area-weight to comply with prescriptive requirements in Table 140.3 for new construction.  
<sup>2</sup> Mass walls are defined as "light" or "heavy" depending on their Heat Capacity. Heat Capacity is determined in Tables 4.3.5 and 4.3.6 in Joint Appendix 4. Walls with Heat Capacity of 15 or greater are "heavy" while walls with Heat Capacity from 7 to less than 15 are "light". Walls with heat capacity less than 7 would be categorized as "Wood framed and Other" for compliance purposes.  
<sup>3</sup> Wall area minus any fenestration area

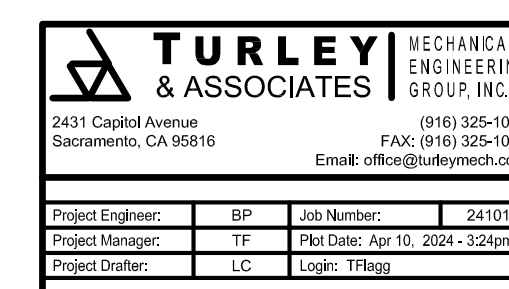
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205 23rd Street, Suite 130  
Sacramento, CA 95816  
916 498-7900



VISIONS IN EDUCATION  
TENANT IMPROVEMENT  
11931 FOUNDATION PLACE  
GOLD RIVER, CA. 95670



TITLE 24  
COMPLIANCE

REVISIONS  
ADDENDUM 1: 4-30-24

DATE: JANUARY 31, 2024  
SCALE: AS NOTED  
DRAWN BY: TBA  
JOB NO.: 22-10  
SHEET:

T-24A

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**  
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jet Truelser  
Signature Date: 2024-02-29  
Company: Turley & Associates  
Address: 2431 Capitol Ave  
City/State/Zip: Sacramento CA 95816  
Phone: (916) 325-1065

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**  
I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building provides to the building owner at occupancy.

Responsible Designer Name: Brian Provencal  
Signature Date: 2024-02-29  
Company: Turley & Associates  
Address: 2431 Capitol Ave  
City/State/Zip: Sacramento CA 95816  
Phone: (916) 325-1065

**J. VENTILATION AND INDOOR AIR QUALITY**

System Name	Space Type	Conditioned Floor Area (ft²)	Supply Air Flow (CFM)	DCV	NA: Not required per §120.1(d)(3)
(N)VAW-2.23	Office space	1352	202.8	0	0
VAW-2.25 thru 2.27	All others	4544	681.6	0	0
17	Total System Required Min OA CFM		4760	18	Ventilation for this System Complies? Yes

<sup>1</sup> FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system.  
<sup>2</sup> Air filtration requirements apply to the following three system types per 120.1(c)1A: space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.  
<sup>3</sup> Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.  
<sup>4</sup> See Standards Tables 120.1-A and 120.1-B.  
<sup>5</sup> For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.  
<sup>6</sup> 120.2(e)3 requires systems serving rooms that are required by 130.1(c) to have lighting occupancy sensing controls to also have occupancy sensing zone controls for ventilation. Examples of spaces which require lighting occupancy sensors include offices 250ft² or smaller, multipurpose rooms less than 1,000 ft², classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stock aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by 130.1(c).

**H. FAN SYSTEMS & AIR ECONOMIZERS**  
This section does not apply to this project.

**I. SYSTEM CONTROLS**  
This table is used to demonstrate compliance with mandatory controls in 110.2 and 120.2 and prescriptive controls in 140.4(f) and (n), 170.2(c)14D, 170.2(c)14L or requirements in 141.0(b)2E, 180.2(b)2 for altered space conditioning systems.

System Name	System Zoning	Conditioned Floor Area (ft²)	Thermostats Being Served	Shut-Off Controls	Isolation Zone Controls	Demand Response	Supply Air Temp. Reset	Window Interlocks
			110.2(b) & (c)1, 120.2(a) 160.3(a)2A or 141.0(b)2E & 180.2(b)2	120.2(a) 120.2(a)2D & 160.3(a)2D	120.2(g) & 160.3(a)2F	110.12 120.2(b) & 150.3(a)2B	140.4(f) & 170.2(c)4D	140.4(n) & 170.2(c)4D

<sup>1</sup> FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.

**J. VENTILATION AND INDOOR AIR QUALITY**  
This table is used to demonstrate compliance with mandatory ventilation requirements in 120.1, 120.2(e)3B, 140.4(p) and 140.4(q) for all nonresidential and hotel/motel and 120.2(a)1, 160.3(a)3D, 170.2(a)4N, 170.2(a)4D for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented in a spreadsheet.

Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.  
 Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces.  
 Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per 120.1(c)2.

**Nonresidential and Hotel/ Motel Multifamily Common Use Ventilation Systems**

System Name	(E)AHU-1,2	System Design OA CFM Airflow <sup>1</sup>	4838	System Design Transfer Air CFM	0	Air Filtration per 120.1(c) 141.0(b)2 and 160.2(c)21 <sup>2</sup>		
08	09	10	11	12	13	14	15	16

**K. TERMINAL BOX CONTROLS**  
This table is used to demonstrate compliance with prescriptive zone control requirements in 140.4(d) & 170.2(c)4B.

Zone/System/VAW Box Name or Item Tag	Zonal Control Strategy per 140.4(d)	Design	Reheated Recooled Mixed Airflow CFM	Outside Air CFM	30% of Peak Primary Airflow CFM	Max Deadband Airflow CFM	50% of Peak Primary Airflow CFM	1 <sup>st</sup> Stage Modulates <95°F and Maintains DB Rate?	2 <sup>nd</sup> Stage Modulates from DB Flow to Heating Max Flow?	Complies
(N)VAW-2.6	NA: Peak SA <= 300 CFM	0	0	0	78.3	0	79.3	0	Yes	Yes
(N)VAW-2.7	NA: Peak SA <= 300 CFM	0	0	0	78.9	0	79.9	0	Yes	Yes
(N)VAW-2.23	NA: Peak SA <= 300 CFM	0	0	0	202.8	0	203.8	0	Yes	Yes

**L. DISTRIBUTION (DUCTWORK and PIPING)**  
This section does not apply to this project.

**M. COOLING TOWERS**  
This section does not apply to this project.

**N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION**  
Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at [https://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/Nonresidential\\_Documents/NRCI/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/)

Form/Title  
NRCI-MCH-01-E - Must be submitted for all buildings

**O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**  
There are no NRCI forms required for this project.

**P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION**  
There are no NRCV forms required for this project.

**Q. MANDATORY MEASURES DOCUMENTATION LOCATION**  
This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.

Compliance with Mandatory Measures documented through MCH	Yes	Plan sheet or construction document location
Mandatory Measures Note Block	Yes	M-Sheets

**J. VENTILATION AND INDOOR AIR QUALITY**  
This table is used to demonstrate compliance with mandatory ventilation requirements per 120.1(c)3 & 160.2(c)3.

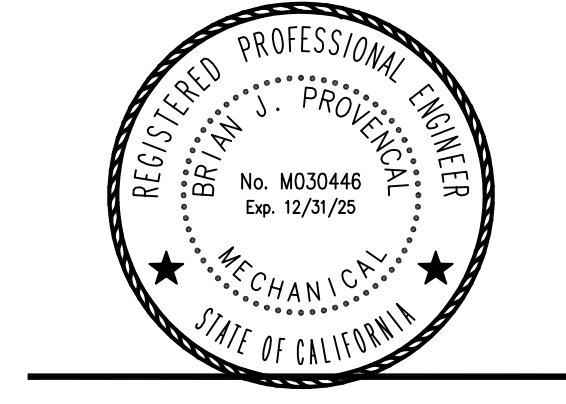
Space Name or Item Tag	Mechanical Ventilation Required per 120.1(c)3 & 160.2(c)3	Exh. Vent per 120.1(c)4 & 160.2(c)4	DCV or Sensor Controls per 120.1(d)3, 120.1(d)5, and 120.1(e)3 <sup>1</sup> 160.2(c)5D 160.2(c)5E 160.2(c)5D					
Occupancy Type <sup>4</sup>	Conditioned Floor Area (ft²)	# of Shower heads/toilets	# of people <sup>5</sup>	Required Min OA CFM	Required Min CFM	Provided per Design CFM	DCV	NA: Not required per §120.1(d)3
VAW-1.2 thru 1.4	Office space	1052		157.8	0	0	0	NA: Not required space type
VAW-1.7,1.9 and other	Office space	3013		452	0	0	0	NA: Not required space type
VAW-1.8	Office space	1012		151.8	0	0	0	NA: Not required space type
VAW-1.11	Office space	908		136.2	0	0	0	NA: Not required space type
VAW-1.12 and 1.13	Office space	1606		240.9	0	0	0	NA: Not required space type
VAW-1.12 thru 1.13	Warehouse	3740		561	0	0	0	NA: Not required space type

**J. VENTILATION AND INDOOR AIR QUALITY**

VAW-1.25	Office space	1749		262.4	0	0	0	NA: Not required per §120.1(d)3
VAW-1.26	Office space	1165		174.8	0	0	0	NA: Not required space type
VAW-1.27	Office space	686		102.9	0	0	0	NA: Not required space type
VAW-2.1,2.2,2.31 and 2.32	All others	5207		781	0	0	0	NA: Not required space type
(N)VAW-2.6	Office space	522		78.3	0	0	0	NA: Not required space type
(N)VAW-2.7	Office space	526		78.9	0	0	0	NA: Not required space type
VAW-2.5, 2.9 and 2.15	Office space	4652		697.8	0	0	0	NA: Not required space type



205 23rd Street, Suite 130  
Sacramento, CA 95816  
916 498-7900



**VISIONS IN EDUCATION  
TENANT IMPROVEMENT  
11931 FOUNDATION PLACE  
GOLD RIVER, CA. 95670**

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**TITLE 24 COMPLIANCE**

REVISIONS  
ADDENDUM 1: 4-30-24

DATE: **JANUARY 31, 2024**  
SCALE: **AS NOTED**  
DRAWN BY: **T&A**  
JOB NO.: **22-10**  
SHEET



**Addendum No. 1 – Attachment 1.12  
Visions In Education – Tenant Improvement Project #24-01  
Fire Alarm Panel**



## DUE DILIGENCE PRE-RENOVATION ASBESTOS SURVEY REPORT

**11931 Foundation Place**  
Gold River, California 95670

**Report Date**  
June 9, 2023

**Partner Project No.**  
23-402668.5

**Prepared for:**  
Visions in Education Charter School  
Carmichael, California 95608



Building  
Science



Environmental  
Consulting



Construction &  
Development



Energy &  
Sustainability





June 9, 2023

Tom Tafoya  
Visions in Education Charter School  
5030 El Camino Avenue  
Carmichael, California 95608

Subject: Due Diligence Pre-Renovation Asbestos Survey Report  
11931 Foundation Place  
Gold River, California 95670  
Partner Project No. 23-402668.5

Dear Tom Tafoya:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the Due Diligence Pre-Renovation Asbestos Survey Report of the abovementioned address (the "subject property"). This survey included a site reconnaissance to locate, identify, assess, and quantify suspect asbestos containing materials (ACMs). This survey was performed in general conformance with ASTM E2356-18 as well as the scope and limitations as detailed in our fee proposal.

The purpose of this survey is to sample and determine the condition of accessible suspect ACMs in the building that will be impacted by scheduled/proposed renovation. Partner has not been provided with specific renovation plans. This survey included a site reconnaissance, material sampling, and laboratory analysis. This assessment was performed utilizing methods and procedures consistent with good commercial or customary practices designed to conform to acceptable industry standards. The independent conclusions presented herein are based upon existing conditions and the information and data available to us during the course of this assignment.

We appreciate the opportunity to provide environmental services to Visions in Education Charter School. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (916) 237-0245.

Sincerely,

A handwritten signature in black ink, appearing to read "John Wharff".

John Wharff  
Relationship Manager

## EXECUTIVE SUMMARY

---

Partner is pleased to present this report for this Due Diligence Pre-Renovation Asbestos Containing Material (ACM) Survey of the two-story office building located at 11931 Foundation Place, Gold River, California 95670. The survey was conducted for a real estate due diligence in general conformance with National Emission Standards for Hazardous Air Pollutants (NESHAP) and ASTM E2356-18.

Based on the conditions set forth in this report, the following suspect ACM that are to be assumed were identified:

- Mirror mastic, good condition, assumed ACM, NESHAP Category II Non-Friable, 150 square feet per floor, first and second floor restrooms
- Grout associated with the 12"x12" black and beige stone tiles, good condition, assumed ACM, 250 square feet per floor, first and second floor lobbies
- Mortar associated with the 12"x12" black and beige stone tiles, assumed ACM, NESHAP Category II Non-Friable, 250 square feet per floor, first and second floor lobbies
- Grout associated with the 12"x12" beige and cream ceramic tiles (floor), assumed ACM, NESHAP Category II Non-Friable, 600 square feet per floor, first and second floor restrooms
- Mortar associated, with the 12"x12" beige and cream ceramic tiles (floor), assumed ACM, NESHAP Category II Non-Friable, 600 square feet per floor, first and second floor restrooms
- Grout associated with the 14"x14" white and cream ceramic tiles (wall), assumed ACM, NESHAP Category II Non-Friable, 400 square feet per floor, first and second floor restrooms
- Mortar associated with the 14"x14" white and cream ceramic tiles (wall), assumed ACM, NESHAP Category II Non-Friable, 400 square feet per floor, first and second floor restrooms
- Mastic associated with fiberglass panels, assumed ACM, NESHAP Category II Non-Friable, 40 square feet

Partner recommends that these assumed ACMs be handled according to local, state and federal regulations. More specific recommendations for handling the identified and assumed ACMs are included in Section 6.0 of this report.

We did not suspect that the following building materials are asbestos containing; therefore, the materials were not sampled: fiberglass products, rubber products, glass products, metal products, and wood products.

If any suspect ACM(s) not characterized in this report are encountered during renovation activities, all work that could potentially disturb the material(s) must stop. The uncharacterized suspect ACM must be assumed to be ACM and handled accordingly pending the completion of additional sampling and laboratory analysis.

This was a non-destructive pre-reno survey limited to 100 percent of the building suites. Suspect ACMs could be located in areas not accessed or within areas not accessible during this assessment. The roofing field and exterior building materials were not assessed and sampled during this survey. A comprehensive ACM survey should be completed to verify the presence, location, and quantity of additional suspect ACMs, in accordance with USEPA regulation 40 CFR Part 61, Subpart M (NESHAP), the Occupational Safety and Health Administration (OSHA) 29 CFR 1926.1101 (Asbestos in Construction Standard), and any state or local requirements.

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The following report Appendices are attached at the end of this report.

## **APPENDICES**

<b>Appendix A</b>	Table 2 – Analytical Results Table
<b>Appendix B</b>	Laboratory Analysis and Chain of Custody
<b>Appendix C</b>	ACM Location Diagram
<b>Appendix D</b>	Certifications/Licenses
<b>Appendix E</b>	Photographic Documentation

# 1.0 INTRODUCTION

---

## 1.1 Subject Property Description

<b>Address:</b>	11931 Foundation Place Gold River, California 95670
<b>Nature of Use:</b>	Commercial Office Building (currently vacant)
<b>Number of Buildings:</b>	One
<b>Number of Floors:</b>	Two
<b>Number of Units:</b>	Five Suites
<b>Construction Date(s)</b>	2002
<b>Surveyed By / Licensed Number:</b>	Vanessa Calder, Inspector, License Number 17-5990, expiration date: January 17, 2024 Donald D'Amico, Inspector, License Number 96-2014, expiration date: November 08, 2023
<b>Assessment Date/Time:</b>	June 2, 2023/ 11:00 am

## 1.2 Purpose and Scope

The survey was conducted at the Subject Property due to a planned/proposed renovation of the interior of the structure. USEPA regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP), prohibits the release of asbestos fibers and other hazardous air pollutants to the atmosphere during renovation or demolition activities. Asbestos NESHAP requires the identification, classification, and quantification of potentially regulated asbestos-containing materials (RACM) prior to planned disturbances.

The purpose of this survey is to investigate the condition of accessible suspect asbestos in the building that will be impacted by proposed renovation plans. Partner has not been provided with renovation plans. Sampling conducted was intended as indicative of the materials tested and was not intended to conclusively determine the absence of asbestos containing materials (ACMs). Asbestos may be present in materials not sampled, and additional sampling will be warranted in the event of future disturbance of suspect materials not identified within this report.

Additional services such as the interview of property management and maintenance personnel, tenants, review of prior reports, regulatory records, evaluation of compliance, risk assessment, and the development of abatement specifications are excluded from the scope of services, along with all other activities not expressly identified herein. No destructive demolition, destructive testing, product research was performed in attempts to reveal material compositions.

This work is not intended as a specification for asbestos abatement or to otherwise support bidding for or completion of maintenance, abatement, removal or replacement activities. Quantification of the exact quantities of materials is beyond the scope of this survey. Any quantities of ACM listed are estimates only and should be confirmed by the user.

Partner and its subcontractor, and their employees/representatives bear no responsibility for the actual condition of the structure or safety of this site pertaining to asbestos and/or asbestos contamination regardless of the actions taken by the survey team or the client.

## 2.0 METHODOLOGY

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Provided below is a summary of the methodologies used during the Pre-Renovation Asbestos Survey performed at the Subject Property. The methodology is in general conformance with USEPA Asbestos Hazard Emergency Response Act (AHERA), 40 CFR Part 763.

### 2.1 Visual Evaluation

Building materials were observed to identify, classify and evaluate the condition of homogenous areas of suspect ACM. The exterior finish is concrete tilt-up panels with areas of stucco coat. The roof was not observed and assessed as part of the Pre-Renovation Survey, however, Partner understands the roofing system consists of modified world asphalt. Exterior samples were also not collected as part of this survey. The interior finishes include untextured drywall walls with vinyl cove base at the base of walls, a combination of flooring finishes including vinyl floor tiles (VFT), vinyl sheet flooring (VSF), rolled carpet, carpet tiles, ceramic tiles and stone tiles, a combination of untextured drywall and ceiling tiles on the ceilings, partial wood paneling on some lobby walls, and glass window panels associated with some of the office cubicles. A summary of the homogeneous areas identified during the survey and the condition of the materials comprising these areas is provided in **Table 2** within **Appendix A**.

### 2.2 Classification

ACM is typically classified as surfacing, thermal systems insulation, or miscellaneous, as defined below:

Surfacing - Material that is sprayed-on, troweled-on or otherwise applied to surfaces. Examples include acoustical plaster on ceilings, fireproofing on structural members, or similar applications for acoustical, fireproofing, and other purposes.

Thermal Systems Insulation – Materials applied to pipes, fittings, boilers, breeching, tanks, ducts or other structural components to prevent heat loss or gain.

Miscellaneous – All other material including flooring, mastics, caulking, etc.

### 2.3 Evaluation of Condition

An assessment of the condition of ACM can be useful in deciding how to manage those materials. The ACM most likely to release asbestos fibers are those which are in a friable state. The definition of friable is any material, when dry, that is capable of being crumbled, pulverized or reduced to powder by hand pressure (40 CFR 763). Non-friable sources of asbestos are materials containing cement or asphaltic binder that may become friable and release fibers if the sources are exposed to actions such as abrasion, drilling, cutting, fracturing or hammering. Non-friable sources of asbestos do not typically pose a significant exposure risk if they remain in good condition and are not disturbed. During renovation activities or when subject to abrasive action, non-friable sources may become friable and thus may pose an exposure risk.

EPA protocols were used in the evaluation of the condition of observed materials as listed below:

- Good condition = 1% or less damage for both distributed and localized damage.
- Damaged = >1% to 10% damage if distributed or >1% to 25% damage if localized.
- Significantly Damaged= >10% damage if distributed or >25% damage if localized.

## 2.4 Homogenous Areas

The US EPA defines a homogeneous area (HA) as *"an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture"* (40 CFR 763). The collection of a minimum of three (3) representative samples from each homogeneous area (HA) is required within ASTM E 2356-18 for compliance with federal and other regulations . If asbestos is identified in any samples from a homogeneous area, the entire homogeneous area is considered to contain asbestos. The number of samples required per HA to determine if that HA is a non-ACM is outlined in 40 CFR §763.86 *Sampling*.

## 2.5 NESHAP Categorization

If a sampled material is confirmed to be asbestos-containing or is assumed to be ACM by the accredited inspector, that material will be categorized according to whether its disturbance is regulated. The Asbestos NESHAP (40 CFR 61, Subpart M) defines confirmed or suspect ACMs in three (3) categories Regulated Asbestos-Containing Material (RACM), Category I and Category II non-friable ACM.

- RACM - Friable ACM; Category I non-friable ACM that has become friable; Category I ACM that will be or has been subjected to sanding, grinding, cutting or abrading; or Category II non-friable that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition operations regulated by the Asbestos NESHAP regulation .
- Category I Non-Friable - ACM packings, gaskets, resilient floor covering and asphalt roofing.
- Category II Non-Friable - Any other non-friable ACM material that is Category I Non-Friable that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure (example transite).

### 3.0 SAMPLING AND LABORATORY ANALYSIS

---

During this survey, 77 samples of suspect ACMs were collected for laboratory analysis. Selected materials were analyzed using the Polarized Light Microscopy (PLM) method in accordance with the EPA Method 600/R-93/116 for Determination of Asbestos in Bulk Building Materials.

Federal regulations define ACM as any material containing more than one percent (1%) asbestos. The California Occupational Safety and Health regulations define asbestos-containing construction material (ACCM) as any material which contains greater than one-tenth of one percent (0.1%) asbestos. Materials containing "trace" amounts of asbestos are reported by the laboratory as <1% which could qualify as ACCM in the State of California.

**Table 1** in section 5 provides a summary of the condition of the assumed ACMs materials. A summary of the homogeneous areas identified during the survey and the condition of the materials comprising these areas is provided in **Table 2** within **Appendix A**.



## 4.0 LIMITING CONDITIONS

---

The performance of this survey was limited by the following conditions:

- The exterior and roof was not assessed or sampled during this survey.
- Materials that would negatively impact the appearance or operation of the subject property were not sampled unless expressly directed by the client.
- The survey was limited to areas which were considered readily accessible. No disassembly of equipment or accessing pipe chases, wall cavities or other inaccessible areas was conducted.
- The sampling of architectural finishes has been limited where negative impacts to the appearance of such finishes would be likely to result, and no sampling of water-protective assemblies has been conducted.
- Laboratory analysis was limited to evaluation of asbestos content by PLM, with a detection limit of 1%. Additional analysis, by point count or Transmission Electron Microscopy (TEM), may be required to meet state or local requirements.
- Additional ACM may be located within areas that were not accessed.

Partner assessed the following areas during our Pre-Renovation Survey:

### Floor 1

- Lobby
- All offices
- All open office areas
- All conference rooms
- All breakrooms/employee lounges
- All stairwells
- All hallways
- All storage rooms/storage closets
- Both restrooms

### Floor 2 (Comprised of former suites 200, 220, 240, and 250)

- Lobbies/reception areas/showroom
- All offices
- All open office areas
- All conference rooms
- All breakrooms/employee lounges/training rooms
- All copy/print/fax rooms
- All server/telephone/electrical/communication rooms
- All stairwells
- All hallways
- All storage rooms/storage closets/office supply room/record storage room/file room
- Both restrooms

Partner assessed 100% of the rooms and office spaces on the first and second floors, the areas were observed to have fairly consistent building materials. Therefore, the suspect materials observed as part of this assessment are likely present throughout.

## 5.0 ANALYTICAL RESULTS

Asbestos was not detected in the materials sampled. Due to limitations identified in section 4.0, several suspect ACM is assumed to contain asbestos. **Table 1** lists the ACM assumed to contain asbestos including the condition and quantity of each material. The analytical results for all suspect materials sampled are listed in **Table 2** in **Appendix A**. The laboratory results and chain of custody are contained in **Appendix B**. ACM locations are depicted on the diagram contained in **Appendix C**.

Documentation of the laboratory results should be retained as a reference for any future disturbance to the suspect ACMs identified within this report.

<i>Table 1: Identified ACM</i>					
<i>HA</i>	<i>Locations</i>	<i>Description</i>	<i>Condition</i>	<i>Asbestos Content</i>	<i>Quantity</i>
24	First Floor Restrooms	Mirror Mastic	Good	Assumed	150 SF
25	Second Floor Restrooms	Mirror Mastic	Good	Assumed	150 SF
26	First Floor Front Entry Lobby	Grout Associated with the 12"x12" Black and Beige Stone Tiles	Good	Assumed	250 SF
27	First Floor Front Entry Lobby	Mortar Associated with the 12"x12" Black and Beige Stone Tiles	Good	Assumed	250 SF
28	Second Floor Lobby	Grout Associated with the 12"x12" Black and Beige Stone Tiles	Good	Assumed	250 SF
29	Second Floor Lobby	Mortar Associated with the 12"x12" Black and Beige Stone Tiles	Good	Assumed	250 SF
30	First Floor Restrooms	Grout Associated with the 12"x12" Beige and Cream Ceramic Tiles (Floor)	Good	Assumed	600 SF
31	First Floor Restrooms	Mortar Associated with the 12"x12" Beige	Good	Assumed	600 SF

<b>Table 1: Identified ACM</b>					
<b>HA</b>	<b>Locations</b>	<b>Description</b>	<b>Condition</b>	<b>Asbestos Content</b>	<b>Quantity</b>
		and Cream Ceramic Tiles (Floor)			
32	First Floor Restrooms	Grout Associated with the 14"x14" White and Cream Ceramic Tiles (Wall)	Good	Assumed	400 SF
33	First Floor Restrooms	Mortar Associated with the 14"x14" White and Cream Ceramic Tiles (Wall)	Good	Assumed	400 SF
34	Second Floor Restrooms	Grout Associated with the 12"x12" Beige and Cream Ceramic Tiles (Floor)	Good	Assumed	600 SF
35	Second Floor Restrooms	Mortar Associated with the 12"x12" Beige and Cream Ceramic Tiles (Floor)	Good	Assumed	600 SF
36	Second Floor Restrooms	Grout Associated with the 14"x14" White and Cream Ceramic Tiles (Wall)	Good	Assumed	400 SF
37	Second Floor Restrooms	Mortar Associated with the 14"x14" White and Cream Ceramic Tiles (Wall)	Good	Assumed	400 SF
38	Second Floor Roof Access Room	Mastic Associated with Fiberglass Panels	Good	Assumed	40 SF

The following building materials were observed and considered not suspect for containing asbestos:

- Fiberglass products
- Glass products
- Rubber products
- Metal products
- Wood products

Per the ASTM Standard Practice for Comprehensive Asbestos Building Surveys Designation: E 2356-18 (ASTM E 2356-18), due to the limitations of PLM analysis, non-friable organically bound (NOB) materials (i.e. floor tiles, cove base, mastics, roofing materials, caulks, etc.) found to contain no asbestos via PLM analysis are considered as inconclusive for asbestos content unless Transmission Electron Microscopy (TEM) analysis is performed. TEM analysis was not included within the scope of work.

## 6.0 CONCLUSION AND RECOMMENDATIONS

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### 6.1 Conclusions

Asbestos was not detected in the materials sampled.

The following materials were observed and assumed to contain asbestos:

- Mirror mastic, good condition, assumed ACM, NESHAP Category II Non-Friable, 150 square feet per floor, first and second floor restrooms
- Grout associated with the 12"x12" black and beige stone tiles, good condition, assumed ACM, 250 square feet per floor, first and second floor lobbies
- Mortar associated with the 12"x12" black and beige stone tiles, assumed ACM, NESHAP Category II Non-Friable, 250 square feet per floor, first and second floor lobbies
- Grout associated with the 12"x12" beige and cream ceramic tiles (floor), assumed ACM, NESHAP Category II Non-Friable, 600 square feet per floor, first and second floor restrooms
- Mortar associated, with the 12"x12" beige and cream ceramic tiles (floor), assumed ACM, NESHAP Category II Non-Friable, 600 square feet per floor, first and second floor restrooms
- Grout associated with the 14"x14" white and cream ceramic tiles (wall), assumed ACM, NESHAP Category II Non-Friable, 400 square feet per floor, first and second floor restrooms
- Mortar associated with the 14"x14" white and cream ceramic tiles (wall), assumed ACM, NESHAP Category II Non-Friable, 400 square feet per floor, first and second floor restrooms
- Mastic associated with fiberglass panels, assumed ACM, NESHAP Category II Non-Friable, 40 square feet

### 6.2 Recommendations

Based on the observations onsite, the noted limitations and the analytical results, Partner has the following recommendations:

If any suspect ACM(s) not characterized in this report are encountered during demolition activities, all work that could potentially disturb the material(s) must stop. The uncharacterized suspect ACM must be assumed to be ACM and handled accordingly pending the completion of additional sampling and laboratory analysis.

Due to the limitations of this survey, once the areas have been vacated a thorough and destructive ACM survey should be completed to verify the presence, location, and quantity of additional suspect ACMs in formally inaccessible areas, in accordance with USEPA regulation 40 CFR Part 61, Subpart M (NESHAP), the OSHA 29 CFR 1926.1101 (Asbestos in Construction Standard), and any state or local requirements. If any suspect ACMs not characterized in this report are encountered during renovation/demolition activities, which may disturb those materials, all work that could potentially disturb the material(s) must stop. The uncharacterized suspect ACM must be assumed to be ACM and handled accordingly pending the completion of additional sampling and laboratory analysis.

Partner recommends that all RACM (friable ACM or non-friable ACM that will be rendered friable) be removed from the facility according local, state and federal regulations. This effort may include, but are not limited to:

- Regulator notification
- Specialized removal techniques to prevent worker, public and environmental exposures
- Specialized clean-up procedures
- Specialized waste storage and disposal

Actions taken in regard to the ACM should be in compliance with any applicable federal, state, and local regulations or codes that may apply to handling, disposal, and contracting. Presently, general renovation and disposal operations at both publicly and privately owned and operated facilities are regulated by the federal USEPA's National Emission Standard for Hazardous Air Pollutants (NESHAP) Asbestos Standard (40 CFR 61, Subpart M). Private contractors who may be retained by a private building owner and the building owner itself, are under jurisdiction of the Occupational Safety and Health Administration (OSHA) asbestos regulations (29 CFR 1910.1001 and 29 CFR 1926.110 for the general and construction industries, respectively), which regulates workplace disturbance of building materials with any concentration of asbestiform components including those that contain <1% asbestos as determined by a validated sampling and analytical method.

If the planned renovations are not imminent, based on the conclusions and noted condition of the ACMs, an Operations and Maintenance Plan should be completed and implemented to manage the assumed friable and non-friable ACMs at the subject property. Of note, an O&M Plan outlines protocols that have been established to mandate how ACMs are managed on an as needed basis and during routine maintenance activities. Routine maintenance activities include cleaning activities; protective or preventative measures to keep a building, its systems and its grounds in working order; periodic replacement of a limited number of component parts of a building feature or system that are subject to normal wear and tear; and replacement of a damaged or malfunctioning component part of a building feature or system. The EPA recommends that ACM be managed in-place whenever asbestos is identified in a building. Damaged friable and non-friable ACMs should be removed according to federal, state, and local requirements.

## 7.0 LIMITATIONS

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Limited ACM sampling has been conducted for real estate due-diligence and informational purposes only and is not intended to be used to show compliance with any governmental standard(s) or regulations. Sampling was performed utilizing methods and procedures consistent with good commercial or customary practices for this type of property assessment. The results of this sampling event cannot conclusively determine the absence of ACMs at the property per the local, state or federal sampling protocol(s); however, the results of the sampling conducted at this property can be used to supplement a further survey of the property for regulatory compliance reasons.

This work is not intended as a specification for asbestos abatement or to otherwise support bidding for or completion of maintenance, abatement, removal or replacement activities. Quantification of the exact quantities of materials is beyond the scope of this survey. Any quantities of ACM listed are estimates only and should be confirmed by the user.

Partner subcontracted with Eurofins EPK Built Environment Testing, LLC (Eurofins) to perform the asbestos analysis. No warranties expressed or implied, are made by Partner or its subcontractor Eurofins or their employees as to the use of any information, apparatus, product or process disclosed in this report. Every reasonable effort has been made to assure correctness. If an Asbestos Abatement Contractor or other Demolition/Construction Contractor is employed, such contractor should bring any discrepancies found in this report as it relates to current site conditions or newly discovered site conditions to the immediate attention of Partner.

State-of-the-art practices have been employed to perform this asbestos survey. No demolition or product research was performed in attempts to reveal material compositions. Additional sampling may be required if demolition/renovation activities reveal any materials not previously tested. The services consist of professional opinions and recommendations made in accordance with generally accepted engineering principles/practices. These services are designed to provide an analytical tool to assist the client. Partner and its subcontractor Eurofins and their employees/representatives bear no responsibility for the actual condition of the structure or safety of this site pertaining to asbestos and/or asbestos contamination regardless of the actions taken by the survey team or the client.



## 8.0 SIGNATURES OF PROFESSIONALS

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Partner has performed an asbestos survey on the property at 11931 Foundation Place Gold River, California 95670 in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

Prepared By:



Vanessa Calder  
Asbestos Inspector  
Certification Number: 17-5990

Reviewed By:



Donald D'Amico  
Senior Author/Asbestos Inspector  
Certification Number: 96-2014

## APPENDIX A: ANALYTICAL RESULTS TABLE

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HA	01B	Material Description	Sample Location	Results	Quantity
1	01A	Light Brown Textured Wallpaper with Clear Mastic	Second Floor, Women's Restroom, Northeast Side of Partition Wall	ND	N/A
1	01B	Light Brown Textured Wallpaper with Clear Mastic	Second Floor, Women's Restroom, Southwest Wall by Entrance	ND	N/A
1	01C	Light Brown Textured Wallpaper with Clear Mastic	Second Floor, Men's Restroom, Southwest Side of Partition Wall	ND	N/A
2	02A	12"x12" Beige VFT with Black Specks and Yellow Mastic	Second Floor, Southeast-Central Side of Roof Access Room	ND	N/A
2	02B	12"x12" Beige VFT with Black Specks and Yellow Mastic	Second Floor, Suite 250, Center of Server Room	ND	N/A
2	02C	12"x12" Beige VFT with Black Specks and Yellow Mastic	Second Floor, Northwest-Central Side of Roof Access Room	ND	N/A
3	03A	4" Beige Cove Base with Tan Mastic	Second Floor, Southeast-Central Wall in Roof Access Room	ND	N/A
3	03B	4" Beige Cove Base with Tan Mastic	Second Floor, Northwest Wall in Western Corner of Roof Access Room	ND	N/A
3	03C	4" Beige Cove Base with Tan Mastic	Second Floor, Southwest-Central Wall in Roof Access Room	ND	N/A
4	04A	2'x4' Ceiling Tile with Pinhole and Fissure Pattern	Second Floor, Suite 200, Eastern Corner of Office 20	ND	N/A
4	04B	2'x4' Ceiling Tile with Pinhole and Fissure Pattern	Second Floor, Suite 200, Northern Corner of Open Office Area	ND	N/A
4	04C	2'x4' Ceiling Tile with Pinhole and Fissure Pattern	Second Floor, Suite 200, Northern Corner of Open Office Area	ND	N/A
5	05A	4" Brown Cove Base with Cream Mastic	Second Floor, Suite 200, Northeast Wall in Eastern Corner	ND	N/A
5	05B	4" Brown Cove Base with Cream Mastic	Second Floor, Suite 200, Northwest Wall in Western Corner of Office 32	ND	N/A
5	05C	4" Brown Cove Base with Cream Mastic	Second Floor, Suite 250, Northeast Wall, Outside of Office 2	ND	N/A
6	06A	Yellow Carpet Mastic with White Leveling Compound	Second Floor, Suite 200, Southeast-Central Side of Open Office Area	ND	N/A
6	06B	Yellow Carpet Mastic with White Leveling Compound	Second Floor, Suite 200, Western Corner of Open Office Area	ND	N/A
6	06C	Yellow Carpet Mastic with White Leveling Compound	Second Floor, Suite 200, Southeast-Central Side of Open Office Area by Large Conference Room	ND	N/A
7	07A	Drywall with Joint Compound	Second Floor, Suite 240, Northeast Wall in Work Room, Copy/Fax	ND	N/A
7	07B	Drywall with Joint Compound	Second Floor, Suite 250, Northeast Wall in Conference Room Southeast of Office 10	ND	N/A
7	07C	Drywall with Joint Compound	Second Floor, Suite 250, Southeast-Central Wall in Training Room	ND	N/A
7	07D	Drywall with Joint Compound	Second Floor, Suite 200, Northeast Wall in Eastern Corner	ND	N/A
7	07E	Drywall with Joint Compound	Second Floor, Suite 200, Southeast Wall of Office 18	ND	N/A
7	07F	Drywall with Joint Compound	Second Floor, Suite 200, Southeast Wall Between Office 14 and Office 15	ND	N/A
7	07G	Drywall with Joint Compound	Second Floor, Suite 200, Southwest Wall of Closet Adjacent to Office 13	ND	N/A
8	08A	Yellow and Blue Carpet Mastic	Second Floor, Suite 250, Western Corner of Showroom	ND	N/A
8	08B	Yellow and Blue Carpet Mastic	Second Floor, Suite 250, Southern Corner of Suite	ND	N/A
8	08C	Yellow and Blue Carpet Mastic	Second Floor, Suite 250, Southwest-Central Side of Open Office Area	ND	N/A

ND = Non-Detect for Asbestos  
VFT = Vinyl Floor Tile  
VSF = Vinyl Sheet Flooring  
N/A = Not Applicable As No Asbestos Detected in Sample

HA	01B	Material Description	Sample Location	Results	Quantity
9	09A	4" Grey Cove Base with White Mastic	Second Floor, Suite 250, Northwest Wall in Breakroom	ND	N/A
9	09B	4" Grey Cove Base with White Mastic	Second Floor, Suite 250, Southwest Wall in Breakroom	ND	N/A
9	09C	4" Grey Cove Base with White Mastic	Second Floor, Suite 250, Southwest Wall in Breakroom	ND	N/A
10	10A	12"x12" Grey and Beige Patterned VFT with Yellow Mastic	Second Floor, Suite 250, Southwest-Central side of Breakroom	ND	N/A
10	10B	12"x12" Grey and Beige Patterned VFT with Yellow Mastic	Second Floor, Suite 250, Northeast-Central side of Breakroom	ND	N/A
10	10C	12"x12" Grey and Beige Patterned VFT with Yellow Mastic	Second Floor, Suite 250, Southeast-Central side of Breakroom	ND	N/A
11	11A	12"x12" Grey Mottled VFT with Yellow Mastic	Second Floor, Suite 200, Eastern Corner of Reception	ND	N/A
11	11B	12"x12" Grey Mottled VFT with Yellow Mastic	Second Floor, Suite 200, Southeast-Central Side of File Room	ND	N/A
11	11C	12"x12" Grey Mottled VFT with Yellow Mastic	Second Floor, Suite 200, Eastern Corner of Storage Room Northeast of Large Breakroom/Lounge	ND	N/A
12	12A	4" Yellow Brown Cove Base with Tan Mastic	Second Floor, Suite 200, Northeast Wall in Northern Corner of Upper Landing of Staircase	ND	N/A
12	12B	4" Yellow Brown Cove Base with Tan Mastic	Second Floor, Suite 200, Northeast-Central Wall of Upper Landing of Staircase	ND	N/A
12	12C	4" Yellow Brown Cove Base with Tan Mastic	Second Floor, Suite 250, Southeast-Central Wall of Upper Landing of Staircase	ND	N/A
13	13A	Grey Plain VSF with White Mastic	Second Floor, Suite 200, Southeast-Central Side of Upper Landing of Staircase	ND	N/A
13	13B	Grey Plain VSF with White Mastic	Second Floor, Suite 200, Northwest-Central Side of Upper Landing of Staircase	ND	N/A
13	13C	Grey Plain VSF with White Mastic	Second Floor, Suite 250, Northwest-Central Side of Upper Landing of Staircase	ND	N/A
14	14A	2'x2' Ceiling Tile with Rough Texture	First Floor, Open Office Area Northeast of Front Lobby, East of Office 37	ND	N/A
14	14B	2'x2' Ceiling Tile with Rough Texture	First Floor, Open Office Area Northeast of Front Lobby, Southeast Side of Office 37	ND	N/A
14	14C	2'x2' Ceiling Tile with Rough Texture	First Floor, Open Office Area Northeast of Front Lobby in Southern Corner	ND	N/A
15	15A	3" Black Cove Base with Light Brown Mastic	First Floor, Open Office Area Northeast of Front Lobby, Southeast Wall in Southern Corner	ND	N/A
15	15B	3" Black Cove Base with Light Brown Mastic	First Floor, Open Office Area Northeast of Front Lobby, Northwest Wall Between Office 39 and Office 40	ND	N/A
15	15C	3" Black Cove Base with Light Brown Mastic	First Floor, Open Office Area on Northwest Wall in Northern Corner	ND	N/A
16	16A	Light Brown Textured Wallpaper with Clear Mastic	First Floor, Women's Restroom, Southwest Wall by Entrance	ND	N/A
16	16B	Light Brown Textured Wallpaper with Clear Mastic	First Floor, Women's Restroom, Northeast Side of Partition Wall	ND	N/A
16	16C	Light Brown Textured Wallpaper with Clear Mastic	First Floor, Men's Restroom, Southwest Side of Partition Wall	ND	N/A

ND = Non-Detect for Asbestos  
VFT = Vinyl Floor Tile  
VSF = Vinyl Sheet Flooring  
N/A = Not Applicable As No Asbestos Detected in Sample

HA	01B	Material Description	Sample Location	Results	Quantity
17	17A	Drywall with Joint Compound	First Floor, Open Office Area Northeast of Front Lobby, Northeast-Central Wall	ND	N/A
17	17B	Drywall with Joint Compound	First Floor, Northeast Wall in Eastern Corner of Open Office Area	ND	N/A
17	17C	Drywall with Joint Compound	First Floor, Northeast-Central Wall in Eastern Corner of Open Office Area	ND	N/A
17	17D	Drywall with Joint Compound	First Floor, Northeast Wall of Office 2	ND	N/A
17	17E	Drywall with Joint Compound	First Floor, Northwest Wall in Western Corner of Open Office Area	ND	N/A
17	17F	Drywall with Joint Compound	First Floor, Northwest-Central Wall of Open Office Area	ND	N/A
17	17G	Drywall with Joint Compound	First Floor, Open Office Area Southwest of Front Lobby, Northeast-Central Wall	ND	N/A
18	18A	12"x12" Beige VFT with Black Specks and Yellow Mastic	First Floor, Center of Room Opposite Office 23	ND	N/A
18	18B	12"x12" Beige VFT with Black Specks and Yellow Mastic	First Floor, Center of Room Opposite Office 23	ND	N/A
18	18C	12"x12" Beige VFT with Black Specks and Yellow Mastic	First Floor, Southeast-Central Side of Room Opposite Office 23	ND	N/A
19	19A	4" Tan Cove Base with Tan Mastic	First Floor, Open Office Area Southwest of Room Opposite Office 23	ND	N/A
19	19B	4" Tan Cove Base with Tan Mastic	First Floor, Southwest-Central Wall of Room Opposite Office 23	ND	N/A
19	19C	4" Tan Cove Base with Tan Mastic	First Floor, Southwest-Central Wall of Room Opposite Office 23	ND	N/A
20	20A	Yellow Carpet Mastic	First Floor, Near Northeast-Central Wall, Opposite Office 14	ND	N/A
20	20B	Yellow Carpet Mastic	First Floor, Northern Corner of Floor	ND	N/A
20	20C	Yellow Carpet Mastic	First Floor, Eastern Corner of Floor	ND	N/A
21	21A	12"x12" Off-White with Beige Splotches VFT with Yellow Mastic	First Floor, Eastern Corner of Office 16	ND	N/A
21	21B	12"x12" Off-White with Beige Splotches VFT with Yellow Mastic	First Floor, Southern Corner of Office 16	ND	N/A
21	21C	12"x12" Off-White with Beige Splotches VFT with Yellow Mastic	First Floor, Northern Corner of Office 16	ND	N/A
22	22A	12"x12" Grey and Beige Patterned VFT with Clear Mastic	First Floor, Southeast-Central Side of Breakroom 1	ND	N/A
22	22B	12"x12" Grey and Beige Patterned VFT with Clear Mastic	First Floor, Northeast-Central Side of Breakroom 1	ND	N/A
22	22C	12"x12" Grey and Beige Patterned VFT with Clear Mastic	First Floor, Southwest-Central Side of Breakroom 1	ND	N/A
23	23A	4" Black Cove Base with White Mastic	First Floor, Southwest Wall in Western Corner of Breakroom 1	ND	N/A
23	23B	4" Black Cove Base with White Mastic	First Floor, Southeast-Central Wall of Breakroom 1	ND	N/A
23	23C	4" Black Cove Base with White Mastic	First Floor, Northeast Wall in Eastern Corner of Breakroom 1	ND	N/A

## **APPENDIX B: LABORATORY ANALYSIS & CHAIN OF CUSTODY**

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New Jersey: 2005 Lincoln Drive East, Suite A, Marlton, NJ 08053 \* (800) 871-1994  
Phoenix, AZ: 1921 West Krudsen Drive, Phoenix, AZ 85027 \* (800) 651-4802  
SBF, CA: 6000 Shoreline Court, Suite 203, South San Francisco, CA 94080 \* (800) 888-6653

**ASBESTOS ANALYSIS**

REQUESTED SERVICES (Check boxes below)

PCM Air	PLM					Rock & Soil	Other Requests	
	Bulk							
Fiber Count (NIOSH 7400)	EPA Method 600/IR-93/116	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count	CARB 435 Method (Pre-crushed Sample)	CARB 435 Method (Regular Sample)	Lead Analysis
OSHA with TWA								
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CONTACT INFORMATION				TURN AROUND TIME CODES (TAT)		
Company:	Partner Engineering & Science, Inc.	Address:	2154 Torrance Boulevard, Suite 200, Torrance, CA 90501			
Contact:	accountspayable@partneresi.com	Special Instructions:	ddamico@partneresi.com; ygonzalez@partneresi.com, fschindler@partneresi.com			
Phone:	310-615-4500					
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)			
Project ID:	23-402668.5		STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.		
Project Description:	11931 Foundation Place, Gold River, CA		ND - Next Business Day			
Project Zip Code:	95670	Sampling Date & Time:	6/2/23			
PO Number:		Sampled By:	J. DAMICO			
				SD - Same Business Day Rush*	*Please call Client Services for locations with Rush services	
Sample ID	Description	Sample Type (Initials)	TAT (Hours)	Total Volume (Air Samples only)	Notes	
01A	light brown + brown wall paper w/ clear plastic	B	2-DAY			
01B	↓	↓	↓	↓		
01C	↓	↓	↓	↓		
02A	12x18" Blue vinyl wall paper + yellow plastic					
02B	↓	↓	↓	↓		
02C	↓	↓	↓	↓		
03A	4" long w/ hole w/ tan plastic					
03B	↓	↓	↓	↓		
05C	↓	↓	↓	↓		
04A	2x4" w/ hole w/ tan plastic					
04B	↓	↓	↓	↓		

<p><b>SAMPLE TYPE CODES</b></p> <p>A - Air    W - Wipe</p> <p>B - Bulk    T - Tape</p> <p>D - Dust    R - Rock</p> <p>SO - Soil    O - Other</p>	<p>RELINQUISHED BY</p> <p><i>[Signature]</i></p>	<p>DATE &amp; TIME</p> <p>6/2/23 16:30</p>	<p>RECEIVED BY</p> <p>ASHLEY DUTM</p> <p><i>[Signature]</i></p>	<p>DATE &amp; TIME</p> <p>6/5/23 9:47</p>
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New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 \* (856) 871-1984  
Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 \* (800) 851-4802  
SSF, CA: 8300 Shoreline Court, Suite 205, South San Francisco, CA 94080 \* (800) 888-6653

**ASBESTOS ANALYSIS**

REQUESTED SERVICES (Check boxes below)

CONTACT INFORMATION					
Company	Partner Engineering & Science, Inc.		Address: 2154 Torrance Boulevard, Suite 200, Torrance, CA 90501		
Contact	accountspayable@partneresi.com		Special Instructions: ddamico@partneresi.com; ygonzalez@partneresi.com; fschindler@partneresi.com		
Phone	310-615-4500				
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	23-402668.5		STD - Standard (DEFAULT)		
Project Description:	11931 Foundation Place, Gold River, CA		ND - Next Business Day		
Project Zip Code:	95670	Sampling Date & Time:	SD - Same Business Day Rush*		
PO Number:		Sampled By:	*Please call Client Services for locations with Rush services		
			6/2/23		
			D. D'AMICO		
			D. GILLES		
Sample ID	Description	Sample Type (Initial)	TAT (Hours)	Total Volume (Air Sample only)	Notes
05A	04C2 (W) Ceiling tile w/ mastic	B	2-DAY		
05B	04C2 (W) Ceiling tile w/ mastic	B	2-DAY		
05C	04C2 (W) Ceiling tile w/ mastic	B	2-DAY		
06A	04C2 (W) Ceiling tile w/ mastic	B	2-DAY		
06B	04C2 (W) Ceiling tile w/ mastic	B	2-DAY		
06C	04C2 (W) Ceiling tile w/ mastic	B	2-DAY		
07A	04C2 (W) Ceiling tile w/ mastic	B	2-DAY		

PCM Air	PLM					Rock & Soil	Other Requests	
	Bulk							
Fiber Count (NIOSH 7400)								
OSHA with TWA								
EPA Method 600/R-93/116								
EPA Point Count (200 Point Count)								
EPA Point Count (400 Point Count)								
EPA Point Count (1000 Point Count)								
Gravimetric Point Count								
CARB 435 Method (Pre-crushed Sample)								
CARB 435 Method (Regular Sample)								
Load Analysis								

SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe		6/2/23 1630	ASHLEY DOUTH	6/5/23
B - Bulk	T - Tape				9:47am
D - Dust	R - Rock				
SO - Soil	O - Other				

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pg 2 of 7





**ASBESTOS ANALYSIS**

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 Phoenix, AZ: 1501 West Knutson Drive, Phoenix, AZ 85027 \* (800) 651-4802  
 SBF, CA: 5200 Shoreline Court, Suite 205, South San Francisco, CA 94080 \* (666) 888-6653

REQUESTED SERVICES (Check boxes below)

CONTACT INFORMATION					
Company:	Partner Engineering & Science, Inc.		Address: 2154 Torrance Boulevard, Suite 200, Torrance, CA 90501		
Contact:	accountspayable@partneresi.com	Special Instructions: ddamico@partneresi.com; ygonzalez@partneresi.com; fschindler@partneresi.com			
Phone:	310-615-4500				
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	23-402668.5		STD - Standard (DEFAULT)		
Project Description:	11931 Foundation Place, Gold River, CA		ND - Next Business Day		
Project Zip Code:	95670	Sampling Date & Time:	SD - Same Business Day Rush		
PO Number:		Sampled By:	*Please call Client Services for locations with Rush services		
			Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.		
Sample ID	Description	Sample Type (abbr.)	TAT (Above)	Total Volume (in Samples only)	Notes
07B	Drywall w/ joint compound	B	2-DAY		
07C					
07D					
07E					
07F					
07G					
09A	M <sup>o</sup> Gray Concrete w/ white marble				
09B					
09C					
10A	UPF w/ yellow plastic				
10B					

PCM Air	PLM						Other Requests
	Bulk			Rock & Soil		Load Analysis	
Fiber Count (NIOSH 7400)							
OSHA with TWA							
EPA Method 800/R-93/116							
EPA Point Count (200 Point Count)							
EPA Point Count (400 Point Count)							
EPA Point Count (1000 Point Count)							
Gravimetric Point Count							
CARB 435 Method (Pre-crushed Sample)							
CARB 435 Method (Regular Sample)							

SAMPLE TYPE CODES	RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air B - Bulk D - Dust SD - Soil W - Wipe T - Tape R - Rock O - Other		6/2/23 (630)	ASHLEY DUNN	6/5/23 7:47

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**ASBESTOS ANALYSIS**

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Phoenix, AZ: 1501 West Krudner Drive, Phoenix, AZ 85027 \* (800) 651-4802  
SSF, CA: 8000 Serrano Court, Suite 200, South San Francisco, CA 94080 \* (866) 888-8853

**REQUESTED SERVICES** (Check boxes below)

PCM Air	PLM						Rock & Soil	Other Requests
	Bulk							
Fiber Count (NIOSH 7400)								
OSHA with TWA								
EPA Method 600/IR-93/116	<input checked="" type="checkbox"/>							
EPA Point Count (200 Point Count)		<input checked="" type="checkbox"/>						
EPA Point Count (400 Point Count)			<input checked="" type="checkbox"/>					
EPA Point Count (1000 Point Count)				<input checked="" type="checkbox"/>				
Gravimetric Point Count					<input checked="" type="checkbox"/>			
CARB 435 Method (Pre-crushed Sample)						<input checked="" type="checkbox"/>		
CARB 435 Method (Regular Sample)							<input checked="" type="checkbox"/>	
Lead Analysis								<input checked="" type="checkbox"/>

CONTACT INFORMATION					
Company	Partner Engineering & Science, Inc.		Address: 2154 Torrance Boulevard, Suite 200, Torrance, CA 90501		
Contact	accountspayable@partneresi.com		Special Instructions: ddamico@partneresi.com; ygonzalez@partneresi.com; fschindler@partneresi.com		
Phone	310-615-4500				
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID	23-402668.5		STD - Standard (DEFAULT)		
Project Description	11931 Foundation Place, Gold River, CA		NO - Next Business Day		
Project Zip Code	95670	Sampling Date & Time	SD - Same Business Day Rush*		
PO Number		Sampled By	*Please call Client Services for locations with Rush services.		
			4/2/23		
			D. DAMICO		
			V. CALDERON		
Sample ID	Description	Sample Type (Basis)	TAT (Allow)	Total Volume (Air Samples only)	Notes
10C	12" x 12" Green Upr w/ yellow tape	B	2-DAY		
11A	12" x 12" Green Upr w/ yellow tape				
11B					
11C					
12A	4" yellow Brown tape box w/ tape				
12B					
12C					
13A	Grey plain Upr w/ white tape				
13B					
13C					
14A	2x2' ceiling tile w/ Rough tape				

SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe		4/2/23 1630	ASHLEY QUINN	9:47
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at <http://www.emlab.com/other-services.html>

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**ASBESTOS ANALYSIS**

New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 \* (800) 871-1984  
Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 \* (800) 651-4802  
San Francisco, CA: 9000 Stonefield Court, Suite 205, South San Francisco, CA 94080 \* (866) 688-6653

**REQUESTED SERVICES** (Check boxes below)

PCM Air	PLM					Rock & Soil	Other Requests	
	Bulk							
Fiber Count (NIOSH 7400)								
OSHA with TWA								
EPA Method 600/R-93/116	<input checked="" type="checkbox"/>							
EPA Point Count (200 Point Count)								
EPA Point Count (400 Point Count)								
EPA Point Count (1000 Point Count)								
Gravimetric Point Count								
CARB 435 Method (Pre-crushed Sample)								
CARB 435 Method (Regular Sample)								
Lead Analysis								

CONTACT INFORMATION					
Company:	Partner Engineering & Science, Inc.		Address: 2154 Torrance Boulevard, Suite 200, Torrance, CA 90501		
Contact:	accounts payable@partneresi.com		Special Instructions: ddamico@partneresi.com ygonzalez@partneresi.com; fschindler@partneresi.com		
Phone:	310-615-4500				
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	23-402668.5		STD - Standard (DEFAULT)		
Project Description:	11931 Foundation Place, Gold River, CA		ND - Next Business Day		
Project Zip Code:	95670	Sampling Date & Time:	6/2/23		Rushes received after 2pm or on weekends will be considered received the next business day. Please alert us in advance of weekend analysis needs.
PO Number:		Sampled By:	P. Diaz Vigilante		
			SD - Same Business Day Rush		
			*Please call Client Services for locations with Rush services		
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
14B	4x8 ceiling tile cut	B	2 DAY		
14C	↓				
15A	3x6 black cave base w/ light brown plastic				
15B	↓				
15C	↓				
16A	brown (light) textured wall paper w/ white plastic				
16B	↓				
16C	↓				
17A	Drywall cal joint compound				
17B	↓				
17C	↓				

SAMPLE TYPE CODES		RELINQUISHED BY 	DATE & TIME 6/2/23 1630	RECEIVED BY ASHLEY QUINN 	DATE & TIME 7/11 6/5/23
A - Air	W - Wipe				
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at <http://www.emlab.com/sample-services/chain-of-custody.html>

PJ 5 87



New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 \* (866) 871-1934  
Phoenix, AZ: 1921 West Knudsen Drive, Phoenix, AZ 85027 \* (800) 651-4802  
SSF, CA: 6200 Shoreline Court, Suite 205, South San Francisco, CA 94080 \* (866) 888-0653

**ASBESTOS ANALYSIS**

REQUESTED SERVICES (Check boxes below)

PCM Air	PLM						Rock & Soil	Other Requests	
	Bulk			Point Count				Lead Analysis	
Fiber Count (NIOSH 7400)	OSHA with TWA	EPA Method 800/R-93/116	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count	CARB 435 Method (Pre-crushed Sample)		
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CONTACT INFORMATION					
Company	Partner Engineering & Science, Inc.		Address: 2154 Torrance Boulevard, Suite 200, Torrance, CA 90501		
Contact	accountspayable@partneresi.com	Special Instructions: ddamico@partneresi.com; ygorzalez@partneresi.com; fschindler@partneresi.com			
Phone	310-615-4500				
PROJECT INFORMATION		TURN AROUND TIME CODES (TAT)			
Project ID	23-402668.5	STD - Standard (DEFAULT)	Rushes received after 2pm on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.		
Project Description	11931 Foundation Place, Gold River, CA	ND - Next Business Day			
Project Zip Code	95670	SD - Same Business Day Rush*			
PO Number		*Please call Client Services for locations with Rush services			
	Sampling Date & Time	6/13/23			
	Sampled By	D. DAMICO V. CALDER			
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (As Sampled)	Notes
17D	Drywall w/ joint compound	R	2 DAY		
17E	↓				
17F	↓				
17G	↓				
18A	10"x12" Board w/ black speck VET w/ yellow material				
18B	↓				
18C	↓				
19A	4" tan concrete w/ tan aggregate				
19B	↓				
19C	↓				
20A	yellow carpet material				

SAMPLE TYPE CODES	RECNOLISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air    W - Wipe B - Bulk    T - Tape D - Dust    R - Rock SD - Soil    O - Other	<i>[Signature]</i>	6/12/23 (PST)	ASHLEY DUTTA <i>[Signature]</i>	6/15/23 7:47



003286700

**ASBESTOS ANALYSIS**

New Jersey: 3000 Lincoln Drive East, Suite A, Martin, NJ 08053 \* (800) 871-1984  
Phoenix, AZ: 1521 West Krudsen Drive, Phoenix, AZ 85027 \* (800) 651-4802  
SSF, CA: 8000 Shoreline Court, Suite 205, South San Francisco, CA 94180 \* (866) 888-6653

REQUESTED SERVICES (Check boxes below)

PCM Air	PLM						Rock & Soil	Other Requests
	Bulk							
Fiber Count (NIOSH 7400)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OS-1A with TWA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EPA Method 600/R-93/116	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EPA Point Count (200 Point Count)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EPA Point Count (400 Point Count)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EPA Point Count (1000 Point Count)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gravimetric Point Count	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CARB 4.35 Method (Pre-crushed Sample)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CARB 4.35 Method (Regular Sample)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lead Analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CONTACT INFORMATION					
Company:	Partner Engineering & Science, Inc.	Address:	2154 Torrance Boulevard, Suite 206, Torrance, CA 90501		
Contact:	accountspayable@partneresi.com	Special Instructions:	ddamico@partneresi.com, ygonzalez@partneresi.com, fschindler@partneresi.com		
Phone:	310-615-4500				
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	23-402668.5	STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.		
Project Description:	11931 Foundation Place, Gold River, CA	ND - Next Business Day			
Project Zip Code:	95670	SD - Same Business Day			
PO Number:		RD - Rush			
		Sampled By:	*Please call Client Services for locations with Rush services.		
Sample ID	Description	Sample Type (Basis)	TAT (Week)	Total Volume (Air Samples only)	Notes
20B	Yellow Asbest Mastic	B	2 Day		
20C	↓				
21A	12" x 12" OFF-WHITE w/ brick patches VPT w/ yellow mastic				
21B	↓				
21C	↓				
22A	12" x 12" foreign brick pattern VPT w/ clear mastic				
22B	↓				
22C	↓				
23A	Black four base w/ white mastic				
23B	↓				
23C	↓				

SAMPLE TYPE CODES	RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air    W - Wipe B - Bulk    T - Tape D - Dust    R - Rock SO - Soil    O - Other		6/2/23 1630	ASHLEY QUIN	6/5/23 11:41

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Pg. 7 of 7

Report for:

**Mr. Kevin Roberts**  
**Partner Engineering & Science Inc.**  
2154 Torrance Boulevard, Suite 200  
Torrance, CA 90501

---

Regarding: Eurofins EPK Built Environment Testing, LLC  
Project: 23-402668.5; 11931 Foundation Place, Gold River, CA  
EML ID: 3281281

Approved by:



Approved Signatory  
Danny Li

Dates of Analysis:  
Asbestos PLM: 06-07-2023

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)  
NVLAP Lab Code 200757-0

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All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

**Eurofins EPK Built Environment Testing, LLC**

2841 Dow Avenue, Suite 300, Tustin, CA 92780

(800) 651-4802 www.eurofinsus.com/Built

Client: Partner Engineering & Science Inc.  
 C/O: Mr. Kevin Roberts  
 Re: 23-402668.5; 11931 Foundation Place, Gold  
 River, CA

Date of Sampling: 06-02-2023

Date of Receipt: 06-05-2023

Date of Report: 06-09-2023

**ASBESTOS PLM REPORT****Total Samples Submitted:** 77**Total Samples Analyzed:** 77**Total Samples with Layer Asbestos Content > 1%:** 0**Location: 01A, Light Brown Textured w/Clear Wallpaper Mastic**

Lab ID-Version‡: 15928873-1

Sample Layers	Asbestos Content
Light Brown Wallpaper	ND
Semi-Transparent Mastic	ND
<b>Composite Non-Asbestos Content:</b>	30% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 01B, Light Brown Textured w/Clear Wallpaper Mastic**

Lab ID-Version‡: 15928874-1

Sample Layers	Asbestos Content
Light Brown Wallpaper	ND
Semi-Transparent Mastic	ND
<b>Composite Non-Asbestos Content:</b>	30% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 01C, Light Brown Textured w/Clear Wallpaper Mastic**

Lab ID-Version‡: 15928875-1

Sample Layers	Asbestos Content
Light Brown Wallpaper	ND
Semi-Transparent Mastic	ND
<b>Composite Non-Asbestos Content:</b>	30% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 02A, 12"x12" Beige VFT w/Black Specks and Yellow Mastic**

Lab ID-Version‡: 15928876-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Yellow Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

**Eurofins EPK Built Environment Testing, LLC**

2841 Dow Avenue, Suite 300, Tustin, CA 92780

(800) 651-4802 www.eurofinsus.com/Built

Client: Partner Engineering & Science Inc.  
C/O: Mr. Kevin Roberts  
Re: 23-402668.5; 11931 Foundation Place, Gold River, CA

Date of Sampling: 06-02-2023  
Date of Receipt: 06-05-2023  
Date of Report: 06-09-2023

**ASBESTOS PLM REPORT**

**Location: 02B, 12"x12" Beige VFT w/Black Specks and Yellow Mastic**

Lab ID-Version‡: 15928877-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Yellow Mastic	ND
<b>Sample Composite Homogeneity:</b> Moderate	

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



**Eurofins EPK Built Environment Testing, LLC**

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(800) 651-4802 www.eurofinsus.com/Built

Client: Partner Engineering & Science Inc.  
 C/O: Mr. Kevin Roberts  
 Re: 23-402668.5; 11931 Foundation Place, Gold  
 River, CA

Date of Sampling: 06-02-2023

Date of Receipt: 06-05-2023

Date of Report: 06-09-2023

**ASBESTOS PLM REPORT****Location: 02C, 12"x12" Beige VFT w/Black Specks and Yellow Mastic**

Lab ID-Version‡: 15928878-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Yellow Mastic	ND
<b>Sample Composite Homogeneity:</b> Moderate	

**Location: 03A, 4" Beige Base w Tan Mastic**

Lab ID-Version‡: 15928879-1

Sample Layers	Asbestos Content
Beige Baseboard	ND
Tan Mastic	ND
<b>Sample Composite Homogeneity:</b> Moderate	

**Location: 03B, 4" Beige Base w Tan Mastic**

Lab ID-Version‡: 15928880-1

Sample Layers	Asbestos Content
Beige Baseboard	ND
Tan Mastic	ND
<b>Sample Composite Homogeneity:</b> Moderate	

**Location: 03C, 4" Beige Base w Tan Mastic**

Lab ID-Version‡: 15928881-1

Sample Layers	Asbestos Content
Beige Baseboard	ND
Tan Mastic	ND
<b>Sample Composite Homogeneity:</b> Moderate	

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

**Eurofins EPK Built Environment Testing, LLC**

2841 Dow Avenue, Suite 300, Tustin, CA 92780

(800) 651-4802 www.eurofinsus.com/Built

Client: Partner Engineering & Science Inc.  
 C/O: Mr. Kevin Roberts  
 Re: 23-402668.5; 11931 Foundation Place, Gold  
 River, CA

Date of Sampling: 06-02-2023

Date of Receipt: 06-05-2023

Date of Report: 06-09-2023

**ASBESTOS PLM REPORT****Location: 04A, 2'x4' Ceiling Tile and Tissue w/Pinhole Pattern**

Lab ID-Version‡: 15928882-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
<b>Composite Non-Asbestos Content:</b>	45% Cellulose 20% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Good

**Location: 04B, 2'x4' Ceiling Tile and Tissue w/Pinhole Pattern**

Lab ID-Version‡: 15928883-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
<b>Composite Non-Asbestos Content:</b>	45% Cellulose 20% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Good

**Location: 04C, 2'x4' Ceiling Tile w/Pinhole Assure Pattern**

Lab ID-Version‡: 15928884-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
<b>Composite Non-Asbestos Content:</b>	45% Cellulose 20% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Good

**Location: 05A, 4" Brown Cove Base w/Cream Mastic**

Lab ID-Version‡: 15928885-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Cream Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

**Eurofins EPK Built Environment Testing, LLC**

2841 Dow Avenue, Suite 300, Tustin, CA 92780

(800) 651-4802 www.eurofinsus.com/Built

Client: Partner Engineering & Science Inc.  
 C/O: Mr. Kevin Roberts  
 Re: 23-402668.5; 11931 Foundation Place, Gold  
 River, CA

Date of Sampling: 06-02-2023

Date of Receipt: 06-05-2023

Date of Report: 06-09-2023

**ASBESTOS PLM REPORT****Location: 05B, 4" Brown Cove Base w/Cream Mastic**

Lab ID-Version‡: 15928886-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Cream Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 05C, 4" Brown Cove Base w/Cream Mastic**

Lab ID-Version‡: 15928887-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Cream Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 06A, Yellow Carpet Mastic w/White Leveling Compound**

Lab ID-Version‡: 15928888-1

Sample Layers	Asbestos Content
White Fibrous Material	ND
Yellow Carpet Mastic	ND
<b>Composite Non-Asbestos Content:</b>	25% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Comments:** Leveling compound not detected.**Location: 06B, Yellow Carpet Mastic w/White Leveling Compound**

Lab ID-Version‡: 15928889-1

Sample Layers	Asbestos Content
White Fibrous Material	ND
Yellow Carpet Mastic	ND
<b>Composite Non-Asbestos Content:</b>	25% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Comments:** Leveling compound not detected.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

**Eurofins EPK Built Environment Testing, LLC**

2841 Dow Avenue, Suite 300, Tustin, CA 92780

(800) 651-4802 www.eurofinsus.com/Built

Client: Partner Engineering & Science Inc.  
C/O: Mr. Kevin Roberts  
Re: 23-402668.5; 11931 Foundation Place, Gold River, CA

Date of Sampling: 06-02-2023  
Date of Receipt: 06-05-2023  
Date of Report: 06-09-2023

**ASBESTOS PLM REPORT**

**Location: 06C, Yellow Carpet Mastic w/White Leveling Compound**

Lab ID-Version‡: 15928890-1

Sample Layers	Asbestos Content
Yellow Carpet Mastic	ND
<b>Sample Composite Homogeneity:</b> Good	

**Comments:** Leveling compound not detected.

**Location: 08A, Yellow and Bloc Carpet Mastic**

Lab ID-Version‡: 15928891-1

Sample Layers	Asbestos Content
Yellow Carpet Mastic with Green Glue	ND
<b>Sample Composite Homogeneity:</b> Good	

**Comments:** Some layers in the sample were inseparable without cross contamination.

**Location: 08B, Yellow and Bloc Carpet Mastic**

Lab ID-Version‡: 15928892-1

Sample Layers	Asbestos Content
Yellow Carpet Mastic with Green Glue	ND
<b>Sample Composite Homogeneity:</b> Good	

**Comments:** Some layers in the sample were inseparable without cross contamination.

**Location: 08C, Yellow and Bloc Carpet Mastic**

Lab ID-Version‡: 15928893-1

Sample Layers	Asbestos Content
Yellow Carpet Mastic with Green Glue	ND
<b>Sample Composite Homogeneity:</b> Good	

**Comments:** Some layers in the sample were inseparable without cross contamination.

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 C/O: Mr. Kevin Roberts  
 Re: 23-402668.5; 11931 Foundation Place, Gold  
 River, CA

Date of Sampling: 06-02-2023

Date of Receipt: 06-05-2023

Date of Report: 06-09-2023

**ASBESTOS PLM REPORT****Location: 07A, Drywall w/Joint Compound**

Lab ID-Version‡: 15928894-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 07B, Drywall w/Joint Compound**

Lab ID-Version‡: 15928895-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 07C, Drywall w/Joint Compound**

Lab ID-Version‡: 15928896-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 07D, Drywall w/Joint Compound**

Lab ID-Version‡: 15928897-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
Cream Tape	ND
White Joint Compound	ND
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	15% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

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**ASBESTOS PLM REPORT**

**Location: 07E, Drywall w/Joint Compound**

Lab ID-Version‡: 15928898-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
Cream Tape	ND
White Joint Compound	ND
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	15% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 07F, Drywall w/Joint Compound**

Lab ID-Version‡: 15928899-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
Cream Tape	ND
White Joint Compound	ND
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	15% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 07G, Drywall w/Joint Compound**

Lab ID-Version‡: 15928900-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
Cream Tape	ND
White Joint Compound	ND
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	15% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 09A, 4" Grey Cove Base w.White Mastic**

Lab ID-Version‡: 15928901-1

Sample Layers	Asbestos Content
Gray Baseboard	ND
White Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

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**ASBESTOS PLM REPORT**

**Location: 09B, 4" Grey Cove Base w.White Mastic**

Lab ID-Version‡: 15928902-1

Sample Layers	Asbestos Content
Gray Baseboard	ND
White Mastic	ND
White Compound (Trace)	ND
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 09C, 4" Grey Cove Base w.White Mastic**

Lab ID-Version‡: 15928903-1

Sample Layers	Asbestos Content
Gray Baseboard	ND
White Mastic	ND
White Compound (Trace)	ND
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 10A, 12"x12" Grey and Beige Patterned VFt w/Yellow Mastic**

Lab ID-Version‡: 15928904-1

Sample Layers	Asbestos Content
Brown/Gray Floor Tile	ND
Semi-Transparent Mastic	ND
Gray Leveling Compound	ND
Yellow Mastic	ND
<b>Composite Non-Asbestos Content:</b>	10% Synthetic Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 10B, 12"x12" Grey and Beige Patterned VFt w/Yellow Mastic**

Lab ID-Version‡: 15928905-1

Sample Layers	Asbestos Content
Brown/Gray Floor Tile	ND
Semi-Transparent Mastic	ND
Gray Non-Fibrous Material	ND
<b>Composite Non-Asbestos Content:</b>	10% Synthetic Fibers
<b>Sample Composite Homogeneity:</b>	Poor

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**ASBESTOS PLM REPORT**

**Location: 10C, 12"x12" Grey and Beige VFT w/Yellow Mastic**

Lab ID-Version‡: 15928906-1

Sample Layers	Asbestos Content
Brown/Gray Floor Tile	ND
Semi-Transparent Mastic	ND
Gray Leveling Compound	ND
Yellow Mastic	ND
<b>Composite Non-Asbestos Content:</b>	10% Synthetic Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 11A, 12"x12" Grey Bottled VFT w/Yellow Mastic**

Lab ID-Version‡: 15928907-1

Sample Layers	Asbestos Content
Gray Floor Tile	ND
Yellow Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 11B, 12"x12" Grey Bottled VFT w/Yellow Mastic**

Lab ID-Version‡: 15928908-1

Sample Layers	Asbestos Content
Gray Floor Tile	ND
Yellow Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 11C, 12"x12" Grey Bottled VFT w/Yellow Mastic**

Lab ID-Version‡: 15928909-1

Sample Layers	Asbestos Content
Gray Floor Tile	ND
Yellow Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

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**ASBESTOS PLM REPORT**

**Location: 12A, 4" Yellow Brown Cove Base w/Tan Mastic**

Lab ID-Version‡: 15928910-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Tan Mastic	ND
White Compound (Trace)	ND
<b>Sample Composite Homogeneity:</b> Poor	

**Location: 12B, 4" Yellow Brown Cove Base w/Tan Mastic**

Lab ID-Version‡: 15928911-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Tan Mastic	ND
White Compound (Trace)	ND
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b> Poor	

**Location: 12C, 4" Yellow Brown Cove Base w/Tan Mastic**

Lab ID-Version‡: 15928912-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Tan Mastic	ND
<b>Sample Composite Homogeneity:</b> Moderate	

**Location: 13A, Grey Plain VSF w/White Mastic**

Lab ID-Version‡: 15928913-1

Sample Layers	Asbestos Content
Gray Sheet Flooring	ND
White Mastic	ND
<b>Sample Composite Homogeneity:</b> Moderate	

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**ASBESTOS PLM REPORT****Location: 13B, Grey Plain VSF w/White Mastic**

Lab ID-Version‡: 15928914-1

Sample Layers	Asbestos Content
Gray Sheet Flooring	ND
White Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 13C, Grey Plain VSF w/White Mastic**

Lab ID-Version‡: 15928915-1

Sample Layers	Asbestos Content
Gray Sheet Flooring	ND
White Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 14A, 2'x2' Ceiling Tile w/Rough Texture**

Lab ID-Version‡: 15928916-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface Texture	ND
<b>Composite Non-Asbestos Content:</b>	45% Cellulose 25% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Good

**Location: 14B, 2'x2' Ceiling Tile w/Rough Texture**

Lab ID-Version‡: 15928917-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface Texture	ND
<b>Composite Non-Asbestos Content:</b>	45% Cellulose 25% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Good

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**ASBESTOS PLM REPORT****Location: 14C, 2'x2' Ceiling Tile w/Rough Texture**

Lab ID-Version‡: 15928918-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface Texture	ND
<b>Composite Non-Asbestos Content:</b>	45% Cellulose 25% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Good

**Location: 15A, 3" Black Cove BAsE w/Light Brown Mastic**

Lab ID-Version‡: 15928919-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Light Brown Mastic	ND
White Compound (Trace)	ND
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 15B, 3" Black Cove BAsE w/Light Brown Mastic**

Lab ID-Version‡: 15928920-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Light Brown Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 15C, 3" Black Cove BAsE w/Light Brown Mastic**

Lab ID-Version‡: 15928921-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Light Brown Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

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**ASBESTOS PLM REPORT****Location: 16A, Brown (light) Texture Wallpaper w/White Mastic**

Lab ID-Version‡: 15928922-1

Sample Layers	Asbestos Content
Light Brown Wallpaper	ND
White Mastic	ND
White Compound	ND
<b>Composite Non-Asbestos Content:</b>	30% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 16B, Brown (light) Texture Wallpaper w/White Mastic**

Lab ID-Version‡: 15928923-1

Sample Layers	Asbestos Content
Light Brown Wallpaper	ND
White Mastic	ND
White Compound	ND
<b>Composite Non-Asbestos Content:</b>	30% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 16C, Brown (light) Texture Wallpaper w/White Mastic**

Lab ID-Version‡: 15928924-1

Sample Layers	Asbestos Content
Light Brown Wallpaper	ND
White Mastic	ND
White Compound	ND
<b>Composite Non-Asbestos Content:</b>	30% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 17A, Drywall w/Joint Compound**

Lab ID-Version‡: 15928925-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
White Drywall with Brown Paper with Paint	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

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**ASBESTOS PLM REPORT****Location: 17B, Drywall w/Joint Compound**

Lab ID-Version‡: 15928926-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
Cream Tape	ND
White Joint Compound (Trace)	ND
White Drywall with Brown Paper with Paint	ND
<b>Composite Non-Asbestos Content:</b>	15% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 17C, Drywall w/Joint Compound**

Lab ID-Version‡: 15928927-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
Cream Tape	ND
White Joint Compound	ND
White Drywall	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 17D, Drywall w/Joint Compound**

Lab ID-Version‡: 15928928-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
Cream Tape	ND
White Joint Compound	ND
White Drywall	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 17E, Drywall w/Joint Compound**

Lab ID-Version‡: 15928929-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper with Paint	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

**Comments:** Joint compound not detected.

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**ASBESTOS PLM REPORT****Location: 17F, Drywall w/Joint Compound**

Lab ID-Version‡: 15928930-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper with Paint	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

Comments: Joint compound not detected.

**Location: 17G, Drywall w/Joint Compound**

Lab ID-Version‡: 15928931-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	ND
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 18A, 12"x12" Beige w/Black Speck VFt w/Yellow Mastic**

Lab ID-Version‡: 15928932-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Yellow Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 18B, 12"x12" Beige w/Black Speck VFt w/Yellow Mastic**

Lab ID-Version‡: 15928933-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Yellow Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

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**ASBESTOS PLM REPORT**

**Location: 18C, 12"x12" Beige w/Black Speck VFt w/Yellow Mastic**

Lab ID-Version‡: 15928934-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Yellow Mastic	ND
<b>Sample Composite Homogeneity:</b> Moderate	

**Location: 19A, 4" Tan Cove Base w Tan Mastic**

Lab ID-Version‡: 15928935-1

Sample Layers	Asbestos Content
Tan Baseboard	ND
Tan Mastic	ND
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 19B, 4" Tan Cove Base w Tan Mastic**

Lab ID-Version‡: 15928936-1

Sample Layers	Asbestos Content
Tan Baseboard	ND
Tan Mastic	ND
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: 19C, 4" Tan Cove Base w Tan Mastic**

Lab ID-Version‡: 15928937-1

Sample Layers	Asbestos Content
Tan Baseboard	ND
Tan Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

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**Eurofins EPK Built Environment Testing, LLC**

2841 Dow Avenue, Suite 300, Tustin, CA 92780

(800) 651-4802 www.eurofinsus.com/Built

Client: Partner Engineering & Science Inc.  
C/O: Mr. Kevin Roberts  
Re: 23-402668.5; 11931 Foundation Place, Gold River, CA

Date of Sampling: 06-02-2023  
Date of Receipt: 06-05-2023  
Date of Report: 06-09-2023

**ASBESTOS PLM REPORT**

**Location: 20A, Yellow Carpet Mastic**

Lab ID-Version‡: 15928938-1

Sample Layers	Asbestos Content
Yellow Carpet Mastic	ND
<b>Sample Composite Homogeneity:</b> Good	

**Location: 20B, Yellow Carpet Mastic**

Lab ID-Version‡: 15928939-1

Sample Layers	Asbestos Content
Yellow Carpet Mastic with White Compound (Trace)	ND
<b>Sample Composite Homogeneity:</b> Good	

**Comments:** Some layers in the sample were inseparable without cross contamination.

**Location: 20C, Yellow Carpet Mastic**

Lab ID-Version‡: 15928940-1

Sample Layers	Asbestos Content
Yellow Carpet Mastic with White Compound (Trace)	ND
<b>Sample Composite Homogeneity:</b> Good	

**Comments:** Some layers in the sample were inseparable without cross contamination.

**Location: 21A, 12"x12" off-White w/Beige Splot VFT w/Yellow Mastic**

Lab ID-Version‡: 15928941-1

Sample Layers	Asbestos Content
Off-White Floor Tile	ND
Yellow Mastic	ND
<b>Sample Composite Homogeneity:</b> Moderate	

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

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Client: Partner Engineering & Science Inc.  
 C/O: Mr. Kevin Roberts  
 Re: 23-402668.5; 11931 Foundation Place, Gold  
 River, CA

Date of Sampling: 06-02-2023

Date of Receipt: 06-05-2023

Date of Report: 06-09-2023

**ASBESTOS PLM REPORT****Location: 21B, 12"x12" off-White w/Beige Splot VFT w/Yellow Mastic**

Lab ID-Version‡: 15928942-1

Sample Layers	Asbestos Content
Off-White Floor Tile	ND
Yellow Mastic	ND
<b>Sample Composite Homogeneity:</b> Moderate	

**Location: 21C, 12"x12" off-White w/Beige Splot VFT w/Yellow Mastic**

Lab ID-Version‡: 15928943-1

Sample Layers	Asbestos Content
Off-White Floor Tile	ND
Yellow Mastic	ND
<b>Sample Composite Homogeneity:</b> Moderate	

**Location: 22A, 12"x12" Grey and Beige VFT w/Clear Mastic Patterned**

Lab ID-Version‡: 15928944-1

Sample Layers	Asbestos Content
Brown/Gray Floor Tile	ND
Semi-Transparent Mastic	ND
Gray Leveling Compound	ND
<b>Composite Non-Asbestos Content:</b> 10% Synthetic Fibers	
<b>Sample Composite Homogeneity:</b> Poor	

**Location: 22B, 12"x12" Grey and Beige VFT w/Clear Mastic Patterned**

Lab ID-Version‡: 15928945-1

Sample Layers	Asbestos Content
Brown/Gray Floor Tile	ND
Semi-Transparent Mastic	ND
Gray Leveling Compound	ND
<b>Composite Non-Asbestos Content:</b> 10% Synthetic Fibers	
<b>Sample Composite Homogeneity:</b> Poor	

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

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Client: Partner Engineering & Science Inc.  
C/O: Mr. Kevin Roberts  
Re: 23-402668.5; 11931 Foundation Place, Gold River, CA

Date of Sampling: 06-02-2023  
Date of Receipt: 06-05-2023  
Date of Report: 06-09-2023

**ASBESTOS PLM REPORT**

**Location: 22C, 12"x12" Grey and Beige VFT w/Clear Mastic Patterned**

Lab ID-Version‡: 15928946-1

Sample Layers	Asbestos Content
Brown/Gray Floor Tile	ND
Semi-Transparent Mastic (Trace)	ND
<b>Composite Non-Asbestos Content:</b>	10% Synthetic Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 23A, 4" Black Cove Base w/White Mastic**

Lab ID-Version‡: 15928947-1

Sample Layers	Asbestos Content
Black Baseboard	ND
White Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 23B, 4" Black Cove Base w/White Mastic**

Lab ID-Version‡: 15928948-1

Sample Layers	Asbestos Content
Black Baseboard	ND
White Mastic	ND
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: 23C, 4" Black Cove Base w/White Mastic**

Lab ID-Version‡: 15928949-1

Sample Layers	Asbestos Content
Black Baseboard	ND
<b>Sample Composite Homogeneity:</b>	Good

**Comments:** Mastic not detected.

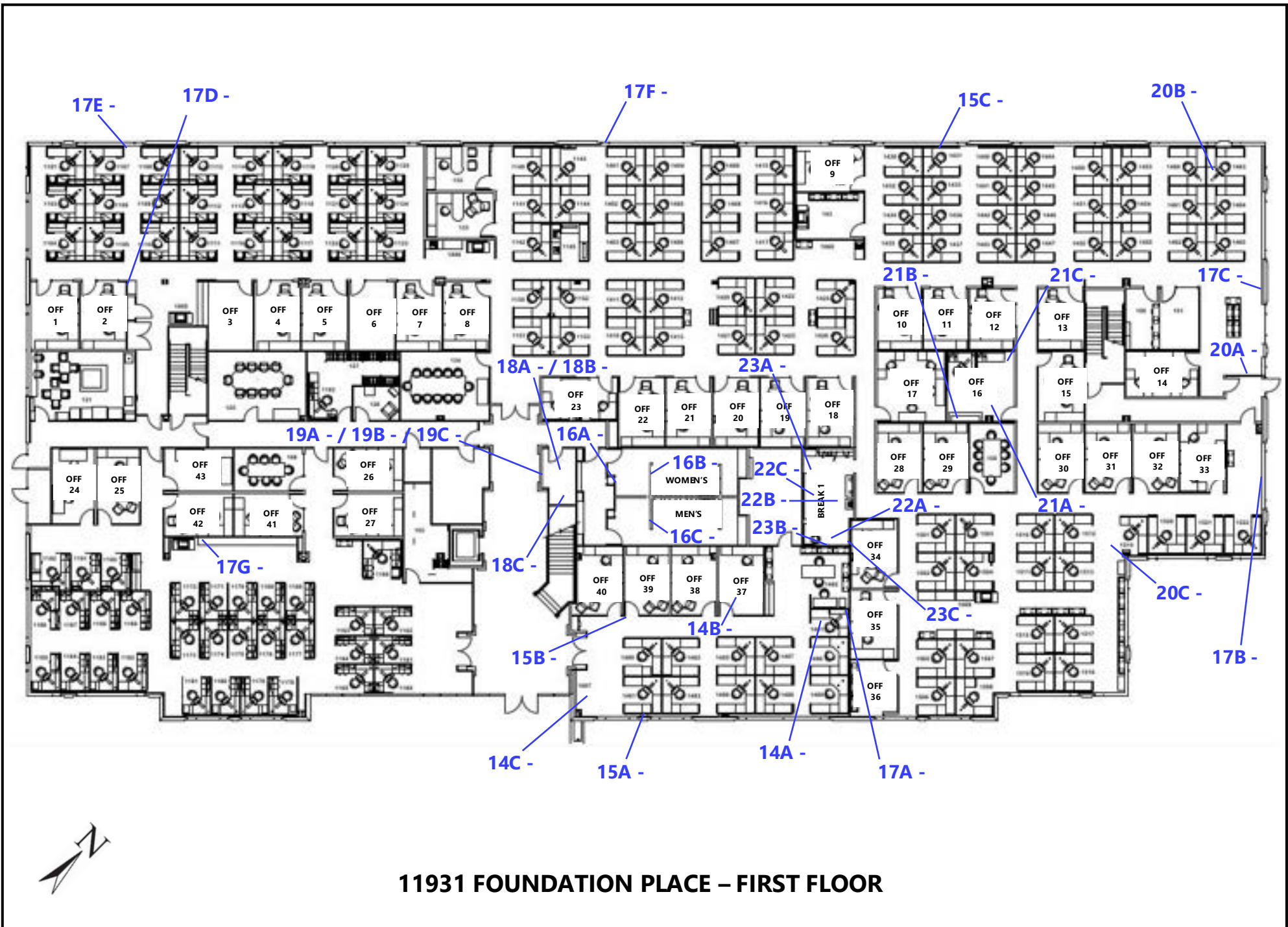
The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

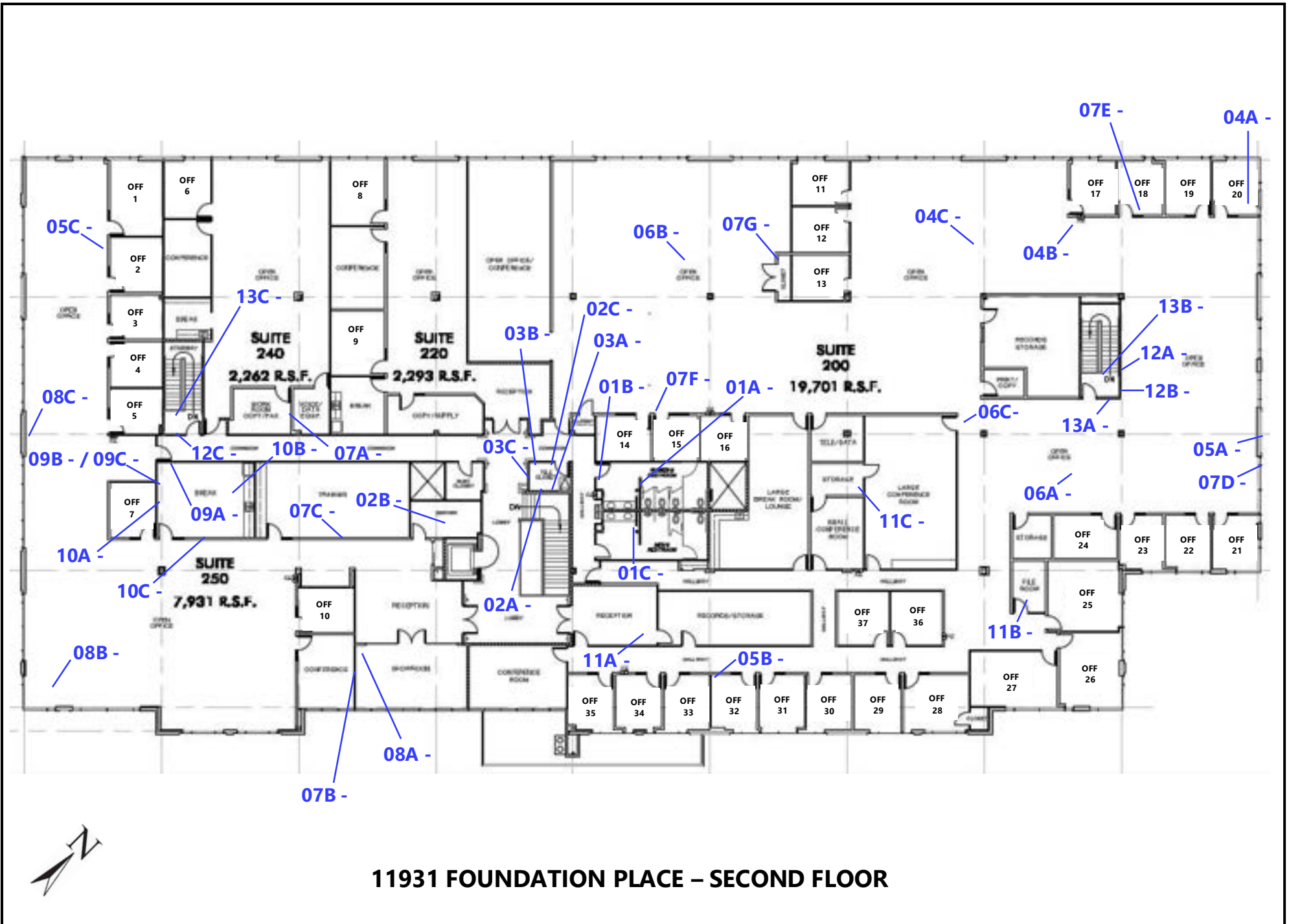
Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

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## APPENDIX C: SAMPLE LOCATION DIAGRAM

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11931 FOUNDATION PLACE – SECOND FLOOR

## APPENDIX D: CERTIFICATIONS/LICENSES

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DEPARTMENT OF INDUSTRIAL RELATIONS  
 Division of Occupational Safety and Health-Asbestos Certification  
 1750 Howe Avenue, Suite 450  
 Sacramento, CA 95825  
 (916) 574-2993 Office <http://www.dir.ca.gov/dosh/asbestos.html> [asth@dir.ca.gov](mailto:asth@dir.ca.gov)



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November 02, 2022

Don G D'Amico  
 3931 Ironwood Drive  
 El Dorado Hills CA 95762

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. To maintain your certification, you must abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email w any changes in your contact/ mailing information within 15 days of the change.

Sincerely,

Jeff Ferrell  
 Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal - Card Attached



State of California  
Division of Occupational Safety and Health  
**Certified Site Surveillance Technician**

**Vanessa J Calder**

---

Name

Certification No. 17-5990

Expires on 01/17/24

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.



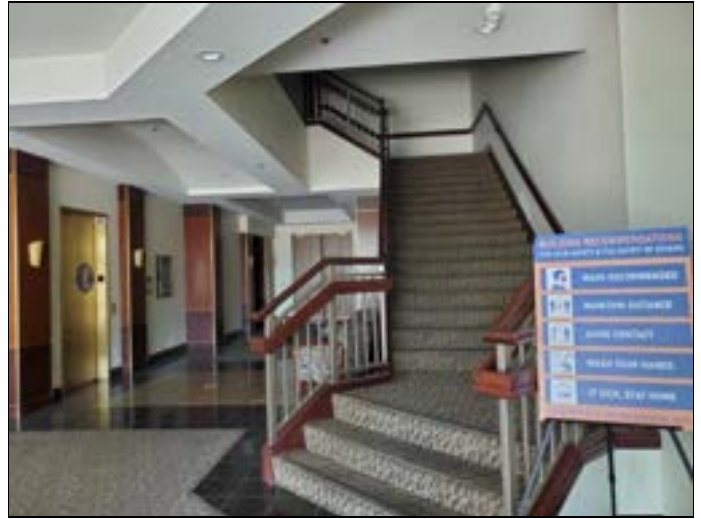


## APPENDIX E: PHOTOGRAPHIC DOCUMENTATION

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1. 11931 Foundation Place, overview of property exterior



2. View of first floor entrance/lobby area



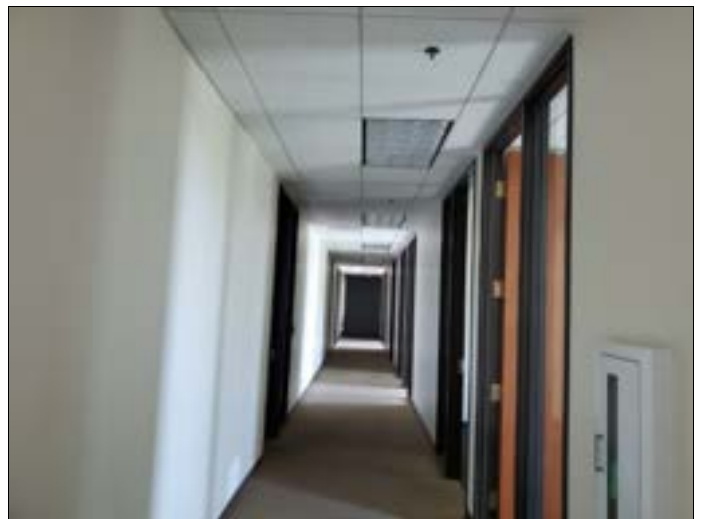
3. General view of first floor offices



4. General view of first floor open office area



5. General view of second floor open office area



6. General view of second floor offices



7. Samples 01A-01C: Light brown textured wallpaper with clear mastic, second floor



8. Samples 02A-02C: 12"x12" beige VFT with black specks and yellow mastic, second floor



9. Samples 03A-03C: 4" beige cove base with tan mastic, second floor



10. Samples 04A-04C: 2'x4' ceiling tile with pinhole and fissure pattern, second floor



11. Samples 05A-05C: 4" brown cove base with cream mastic, second floor



12. Samples 06A-06C: Yellow carpet mastic with white leveling compound, second floor



13. Samples 07A-07G: Drywall with joint compound, second floor



14. Samples 08A-08C: Yellow and blue carpet mastic, second floor



15. Samples 09A-09C: 4" grey cove base with white mastic, second floor



16. Samples 10A-10C: 12"x12" grey and beige patterned VFT with yellow mastic, second floor



17. Samples 11A-11C: 12"x12" grey mottled VFT with yellow mastic, second floor



18. Samples 12A-12C: 4" yellow-brown cove base with tan mastic, second floor



19. Samples 13A-13C: Grey plain VSF with white mastic, second floor



20. Samples 14A-14C: 2'x2' ceiling tile with rough texture, first floor



21. Samples 15A-15C: 3" black cove base with light brown mastic, first floor



22. Samples 16A-16C: Light brown textured wallpaper with white mastic, first floor



23. Samples 17A-17G: Drywall with joint compound



24. Samples 18A-18C: 12"x12" beige VFT with black specks and yellow mastic, first floor



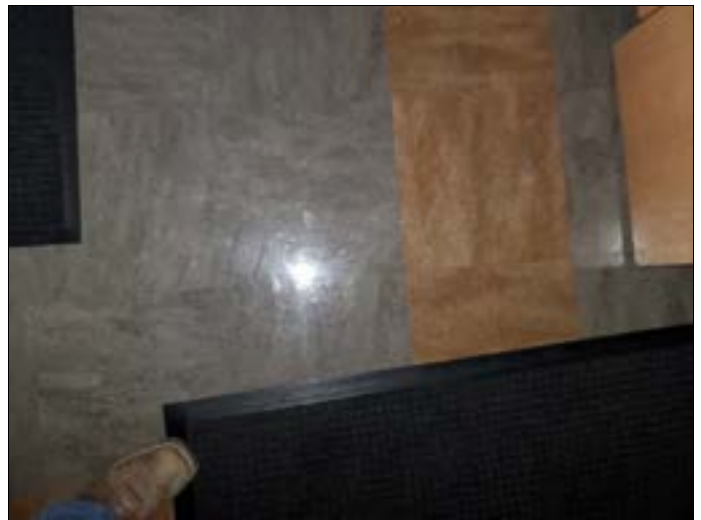
25. Samples 19A-19C: 4" tan cove base with tan mastic, first floor



26. Samples 20A-20C: Yellow carpet mastic, first floor



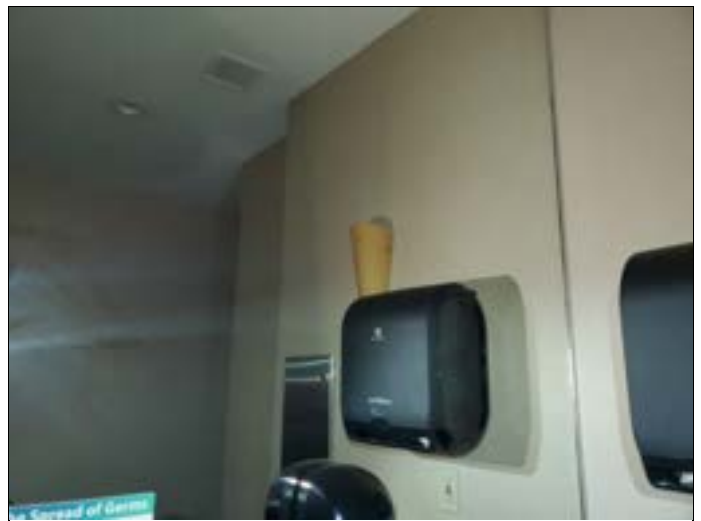
27. Samples 21A-21C: 12"x12" off-white VFT with beige splotches and yellow mastic, first floor



28. Samples 22A-22C: 12"x12" grey and beige patterned VFT with clear mastic, first floor



29. Samples 23A-23C: 4" black cove base with white mastic, first floor



30. Assumed ACM: Mirror mastic in restrooms



31. Assumed ACM: Grout and mortar associated with 12"x12" black and beige stone tiles, first floor



32. Assumed ACM: Grout and mortar associated with 12"x12" black and beige stone tiles, second floor



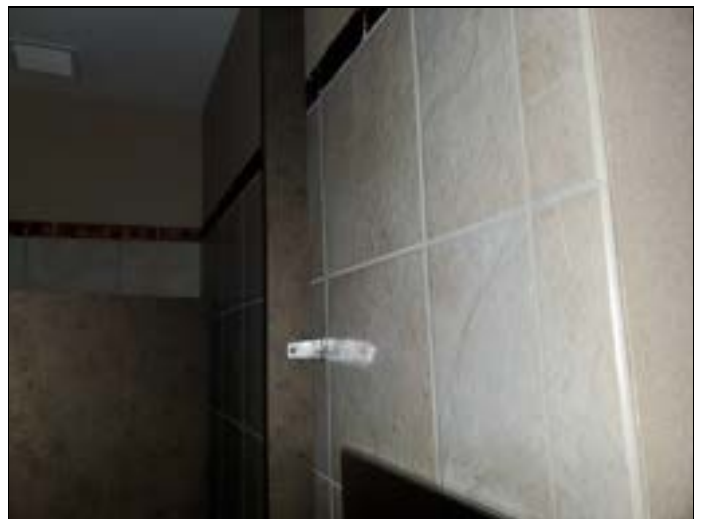
33. Assumed ACM: Grout & mortar to 12"x12" beige and cream ceramic tiles, restroom floor, first floor



34. Assumed ACM: Grout & mortar to 14"x14" white and cream ceramic tiles, restroom wall, first floor



35. Assumed ACM: Grout & mortar to 12"x12" beige and cream ceramic tiles, restroom floor, 2<sup>nd</sup> floor



36. Assumed ACM: Grout & mortar to 14"x14" white and cream ceramic tiles, restroom wall, 2<sup>nd</sup> floor



37. Assumed ACM: Mastic associated with fiberglass panels, second floor roof access room