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DEPARTMENT OF GENERAL SERVICES
Capital Projects Management Division



**SOLANO
COUNTY**

MARK A. HUMMEL, AIA
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(707) 784-7908

675 Texas Street, Suite 2500
Fairfield, CA 94533-6342
707-784-7900
www.solanocounty.com

DATE: April 07, 2022
TO: All Interest Bidders

SUBJECT: Addendum 01
RFI and Additional Documents to be Included to Contract Documents for:
6507 District Attorney (DA) Toxicology Expansion Project at 2201 Courage Drive

This ADDENDUM shall be considered part of the bid documents for the above-mentioned projects as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original bid documents, this ADDENDUM shall govern and take precedence.

Bidders are notified that they shall make **any** necessary adjustment(s) in their estimates on account of this ADDENDUM. It will be construed that each bidders' proposal is submitted with full knowledge of all modifications and supplemental data specified herein.

The clarifications and/or additions and/or deletions that are described in this ADDENDUM shall be included in the Specifications and/or Drawings.

The Responses made to Written Comments reflect inquiries received as of Monday, March 28, 2022. In general, the County **does not** modify inquiries received from Contractors. The inquiries are presented exactly as submitted where possible, with the exception that the County has removed any specific firm or individual name references included in the inquiry.

This ADDENDUM supersedes the original VOLUME 1 – BIDDING REQUIREMENTS; VOLUME 2 – BIDDER PROPOSAL; VOLUME 3 – GENERAL CONTRACT REQUIREMENTS; and VOLUME 4 – PROJECT SPECIFIC INFORMATION dated 3/11/2022 (INCL. PLANS AND TECHNICAL SPECS dated 04/05/2022 and 01/28/2022), where it contradicts them; all other conditions remain unchanged.

The bid date has been extended; bids are due by 2:00 PM local time, April 14, 2022 at the Solano County General Services Department, Capital Projects Management Division, 675 Texas Street, Suite 2500, Fairfield, California 94533.

Acknowledgment of receipt of this ADDENDUM is required on the Bid Form. The Acknowledgment Form is included in the VOLUME 2 – BIDDER PROPOSAL, Section 00 41 00 – BID FORM, page 1.

ADDENDUM NO. 1

Addendum No. 1 is being issued to the Contract Bid Documents for the above referenced project.

PART A – LIST OF QUESTIONS AND ANSWERS of items compiled as of Monday, March 28, 2022
PART B – COUNTY CLARIFICATIONS/REVISIONS TO SPECIFICATIONS/ DRAWINGS and,
PART C – LIST OF ADDITIONAL DOCUMENTS

PART A – LIST OF QUESTIONS AND ANSWERS

Inquiry 01

Is it possible for Solano County to furnish a Bid Bond form where the Bid Bond is representative of 10% of our Base Bid Amount that we submit for the entire bid?

Clarification/Response:

Contractors must use the bid form provided without alteration.

Inquiry 02

Can all documents, other than the Bid Form, be signed by an authorized signatory?

Clarification/Response:

Yes

Inquiry 03

The Drawings show a new VAV box & Reheat Coil. Please provide specifications for Controls Manufacture.

Clarification/Response:

The existing control system is Johnson Metasys. New controls points shall be added to the existing system.

Inquiry 04

Please clarify if building was built with Post Tension Cable.

Clarification/Response:

The building is not post-tensioned slabs. The 2nd floor is a composite deck slab (2" deck with 3-1/4" lightweight concrete fill reinforced with 6x6 wire mesh).

PART B – COUNTY CLARIFICATIONS/REVISIONS TO SPECIFICATIONS/ DRAWINGS

Clarification 01

Mandatory Pre-Bid Sign-In Sheets

See Attachment A for Mandatory Pre-Bid Sign-In Sheets.

Clarification 02

Mandatory Pre-Bid Conference Meeting Agenda

See Attachment B for Mandatory Pre-Bid Conference Agenda.

VOLUME 1 – BIDDING REQUIREMENTS

Clarification 03

Revisions:

Volume 1, Section 00 11 00 – Notice to Bidders, V.

- Sealed bid will be accepted until 2:00pm, local time, **April 14, 2022**, at the Solano County General Services Department, Capital Projects Management Division, 675 Texas Street, Suite 2500, Fairfield, California 94533. Proposals received after 2:00pm will not be considered responsive and will be returned to bidder unopened. Telephone and fax bids will not be accepted.

Volume 1, Section 00 21 00 – Instructions to Bidders, 1.05, C.

- Bids will be accepted until 2:00 PM local time on **April 14, 2022**, shall be addressed and delivered to:
ATTN: Donny Mandrell, Project Coordinator
Solano County Department of General Services
Capital Project Management Division

675 Texas Street, Suite 2500
Fairfield, CA 94533

VOLUME 4 – PROJECT SPECIFIC INFORMATION

Clarification 04

Revisions:

Section 01 11 00 – Summary of Work, 1.02, A.

- Project Description: The project includes 170 gross sf of cold shell space 2nd floor space for expansion of DA's existing toxicology lab. New space improvements include walls, acoustical ceiling tiles, tie-in to mechanical system, **compressed air line manifold**, sink and casework, power and data outlets, lighting fixtures, flooring, painting, and minimal fire sprinkler. Minimal demolition includes select removal of wall (to create passage to new space). Minor accessibility improvements (e.g., securing mats, stairwell striping, handrail extensions, signage, etc.). Project scope and specifications have been prepared by County of Solano General Services and (Dewberry Architects, Inc.).

Clarification 05

Drawing Revisions

SHEET	DETAIL	CHANGE
Cover	N/A	<ul style="list-style-type: none">Added notes under Scope of Work<ul style="list-style-type: none">FIRE SPRINKLER DRAWINGS SHALL BE SUBMITTED TO FAIRFIELD FIRE FOR REVIEW AND APPROVAL PRIOR TO FIRE SPRINKLER INSTALLATIONFINAL FIRE DISTRICT INSPECTION IS REQUIRED PRIOR TO FINAL BUILDING INSPECTION
G-003	3	<ul style="list-style-type: none">Removed pictograms per plan check comments
A-111	A2	<ul style="list-style-type: none">Added callout for (N) nitrogen generator locationRemoved standing casework and adjusted ADA turning space to be clear of (N) work benches
A-411	C1, D5, D3	<ul style="list-style-type: none">Omitted detail C1 for standing casework and updated related elevations
P-111	P1	<ul style="list-style-type: none">Added (N) compressed air line connectionAdded sheet specification of (N) manifold

PART C – LIST OF ADDITIONAL DOCUMENTS (ATTACHED AS PART OF THIS ADDENDUM)

- Attachment A – Mandatory Pre-Bid Sign-in Sheets
- Attachment B – Mandatory Pre-Bid Conference Agenda
- Attachment C – Copy of entire drawing set, with sheets revised as described in the list of drawing revisions in this document.

(END OF ADDENDUM 1)

solanocounty.com
900
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Project: District Attorney Forensic Expansion Project
2201 Courage Drive, 2nd Floor DA Suite, Fairfield, CA 94533
Date/Locations: March 22, 2022 – 10am – 2201 Courage Drive
Page 1 of 2

SIGN-IN SHEET

NAME & TITLE	COMPANY	ADDRESS	PHONE NO.	EMAIL
Gilbert & Sherlyn Martin CEO + CFO	Green Life Const.	1201 Gilea Cone Pkwy H/1213 Vallejo, CA 94591	503-957-8313 503-957-8316	green.life@comcast.net
Kristy Mayer John Grotjan	PRIDE INDUSTRIES.	4924 43rd St McEllen CA	916-282-8800	Kristy.mayer@prideindustries. john.grotjan@prideindustries. derek.foulon@prideindustries.
Mike Rass	PRO Builders	7030 Prywood way Gangevale 95662	916 225-0373	Sebastian@ Sacprobuilders.com
Jeff Carpenter Project manager	Construction west	837 Arnold dr Suite 220 martinez CA 94553	(925) 500-3700	jeff@cw-si.com
Pavel Cherny President	Pro-Ex Construction	3223 Luying Rd R. Cordova CA 95742	916-970 0097	pavel@proexconstruction.com

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Project: District Attorney Forensic Expansion Project
2201 Courage Drive, 2nd Floor DA Suite, Fairfield, CA 94533

Date/Locations: March 22, 2022 – 10am – 2201 Courage Drive

Page 2 of 2

SIGN-IN SHEET

NAME & TITLE	COMPANY	ADDRESS	PHONE NO.	EMAIL
TAMARA CLARKE PRINCIPAL	DEWBERRY	1700 CREEKVADE OAKS DR. #280 SACRAMENTO	916.239. 7277	tclarke@dewberry.com
EVEN LEE CPC JR.	SOLANO COUNTY	675 TEXAS ST	N/A	NA
Randy Wampler DA Forensic Lab	Solano Co DA Forensic Lab	2201 Courage Dr St 2119	—	—
Donny Mandrell CPC	Solano County	675 Texas St	707 784 7900	dmandrell@solanocounty.com
JORJET POTIER SOLANO COUNTY ESD / CPM	SOLANO COUNTY	675 TEXAS ST, STE 2500	(707) 784- 7908	MJPOTIER@SOLANOCOUNTY.COM

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MANDATORY PRE-BID CONFERENCE

DA Forensic Expansion Project

**2201 Courage Drive, 2nd Floor District Attorney
Fairfield, CA 94533**

From: Donny Mandrell, Project Coordinator
Project: District Attorney Forensic Expansion
Meeting: Mandatory Pre-Bid Conference
Date/Locations: March 22, 2022, 10:00 AM, 2201 Courage Drive

1) Introduction

- a) Sign-In Sheet – to be posted to the County’s website at www.solanocounty.com . All bidding contractors are required to sign-in and attend building tour. **PRINT CLEARLY!**
- b) County’s Project Team
 - i) Owner: Solano County
 - ii) Architect of Record: Dewberry Architects Inc. – Tamara Clarke
 - iii) Project Coordinator: Solano County – Donny Mandrell
 - iv) Building Use (Project): Solano County – Randall Wampler
- c) Lines of Communications during the bid period
 - i) Through Project Coordinator:
Donny Mandrell, (707) 784-3463, dmandrell@solanocounty.com
- d) Project objective – Expand existing forensic lab into 170sf of an existing shell space.
- e) Project Delivery: Informal Bidding

2) Review of Bidder Information

- a) Bid Date/Time: **April 12, 2022, 2:00pm** (local time; bid opening to follow immediately)
- b) Requests for Information: **March 28, 2022, 5:00pm**
- c) Addenda: No later than **April 7, 2022, 2:00pm**
- d) Est. Construction Cost: \$90,000

- c) Submittal of Bid (Sealed) – Per Specifications Volume 2
 - i) Bid Form
 - ii) Bid Security: 10% Bid Bond, Certified or Cashier's Check
 - iii) Subcontractor's List
 - iv) Non-Collusion Declaration
 - v) Worker's Compensation Certification
 - vi) Statement of Experience
- 3) Bids are to be held 90 calendar days from bid date
- 4) Lowest responsible bidder will be determined based on lump sum base bid
- 5) Prevailing Wage with no union requirement
- 6) Project Overview
 - a) Summary of Work: To be performed by B License Contractor. The project includes 170 gross sf of cold shell space 2nd floor space for expansion of DA's existing toxicology lab. New space improvements include walls, acoustical ceiling tiles, tie-in to mechanical system, sink and casework, power and data outlets, lighting fixtures, flooring, painting, and minimal fire sprinkler. Minimal demolition includes select removal of wall (to create passage to new space). Minor accessibility improvements (e.g., securing mats, stairwell striping, handrail extensions, signage, etc.). Project scope and specifications have been prepared by County of Solano General Services and (Dewberry Architects, Inc.).
 - b) Project Schedule (Milestones)

i) Est. Award Date	May 24, 2022
ii) Notice to Proceed	On or before May 26, 2022
iii) Background Check Forms Due	June 6, 2022
iv) Complete Submittal Reviews	June 17, 2022
v) Complete Background Checks	July 1, 2022
vi) Construction (Mobilization) Start Date	July 7, 2022
vii) Substantial Completion	August 31, 2022
viii) Final Completion	September 30, 2022
ix) Warranty Period Expiration Date	September 29, 2023
- c) Site Issues
 - i) Clarification of normal work hours: 8:00-5:00pm (M-F)
 - ii) Background Check Period

- (1) All contractors working inside the project side must undergo a background check which includes paperwork and a live-scan.
- (2) At minimum, the General Contractor and any subcontractors expected to start at the beginning of the project should start this process as soon as the Notice to Proceed is issued.
- (3) General Contractor will be responsible for including time for background checks for subcontractors in their scheduling to ensure project deadlines can be met.

iii) After Hours Work:

- (1) Fire sprinkler incl. testing and inspections: Off hours (M-F, 5pm – 8am, or Saturday/Sunday)
- (2) After hours work will require coordination with Project Coordinator

iv) Building and Site Access

- (1) County issued badges are required for all contractors and need to be worn at all times. Badges will only be issued after a successful background check.
- (2) All contractors will access the building through the side entry
- (3) Movement of materials will happen during business hours. This includes material delivery, unloading and loading. If there is a need to move materials during off hours, coordination with the County Project Manager is required.
- (4) In general, contractors should protect floors and walls in the path of travel where materials will be taken to and from the project site.
- (5) Elevator

v) Safety – Building occupants and visiting public

vi) Lay-down Areas:

- (1) Within existing shell space

vii) Parking:

- (1) County to designate parking areas for contractors

viii) Cleanup – Daily

7) Additional Requirements:

- a) The forensic lab adjacent to the project area will be occupied and running. Due to the nature of the work in this lab, any contractor access will require County staff escort. Contractor shall work with County Project Manager during scheduling to ensure escort can be provided when needed.
 - i) Demolition for new cased opening passthrough should be scheduled as far out as possible to ensure contractors have minimal access to the occupied section of the laboratory.

- 8) Document Review
 - a) A/E Project Overview
 - i) Design Intent
 - b) Owner's PM Overview
 - i) Building Permit – Solano County Department of Resource Management, Building Division
 - (1) Permits pending
 - (2) County has paid permit fees, Contractor to pull permits, submit license number
 - (3) Coordination of Inspections by Contractor
 - ii) Fire Sprinkler Permit – City of Fairfield Fire Department (Contractor to pay fees)
- 9) Review of General Conditions
 - a) Liquidated Damages: \$1,500 per calendar day.
 - b) Performance and Payment Bond: 100% performance and payment bond required.
 - e) Application for Payment
 - i) Format – AIA G702
 - ii) Requirements of SB 854
 - (1) Registration of General Contractor and Subcontractors with Department of Industrial Relations (at time of bid submittal)
 - f) Coordination and Meetings: Regular progress meetings will be held weekly following issuance of the Notice to Proceed.
 - g) Temporary Facilities
 - i) Water, Sanitary Facilities
 - ii) Electrical Service / Power – may need temporary permit
 - (1) Existing shell space does not have power
 - iii) Data and Telephone – by Contractor
 - h) Safety:
 - i) Temporary measures with building occupied by staff and public
 - ii) Demolition and debris removal, housekeeping (Progress Cleaning by Contractor)
 - iii) Storage of materials in the building, scheduled delivery and transfers
 - iv) Protective equipment and measures
 - v) Air quality: dust and fume control (adhesives, paint, HVAC)
- 10) Questions and Answers

- a) Questions asked by bidders at Pre-Bid Conferences will be answered in an informal manner and will not be considered as part of the Contract Documents. The reply does not change the bid documents unless it is issued in an Addendum. Formal questions will be answered in an addendum. Substitutions to be submitted via Substitution Request Form included in Specification Book.

11) Site Inspections

12) Closing Remarks

- a) Questions and answers from site inspection tour
- b) Closing comments

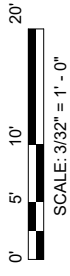
Note: The above information does not change the Contract Documents. Bidders must review and confirm the items discussed in the Bid Documents, Plans and Specifications.

END OF MEETING



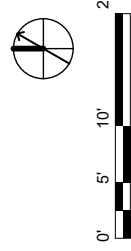
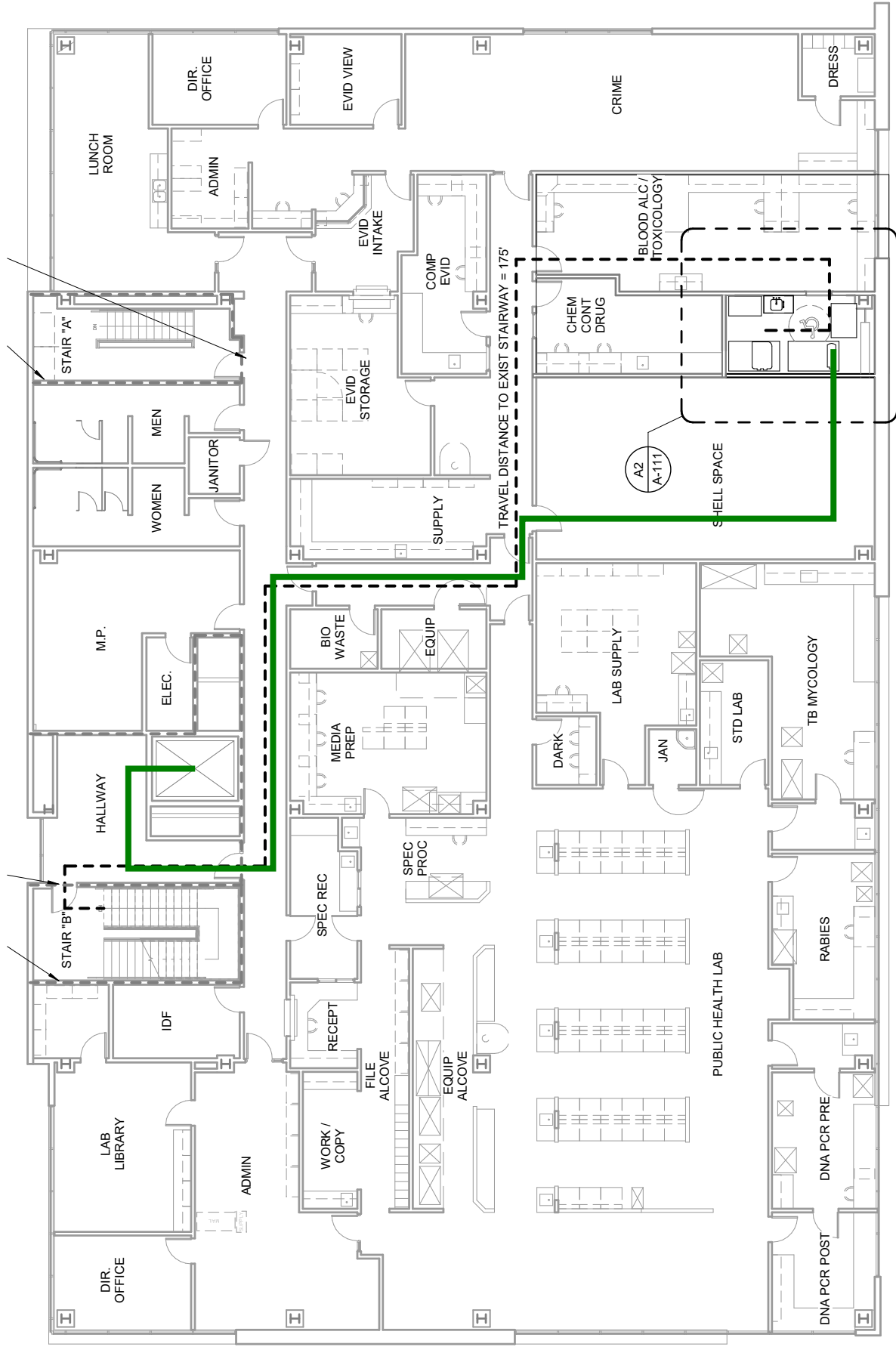
CONTRACTOR PARKING
TBD

BUILDING ENTRY



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Scale: 3/32" = 1'-0"



2 OVERALL SECOND FLOOR PLAN

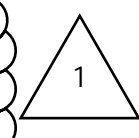
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SOLANO COUNTY DA FORENSIC LAB TOXICOLOGY EXPANSION

2201 COURAGE DRIVE
2ND FLOOR DISTRICT ATTORNEY(DA) SUITE
FAIRFIELD, CA 94533

100% CONSTRUCTION DOCUMENTS

APRIL 05, 2022



1	ADDENDUM #1	04.05.22

No. Description Date

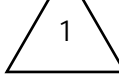
REVISIONS

SHEET INDEX

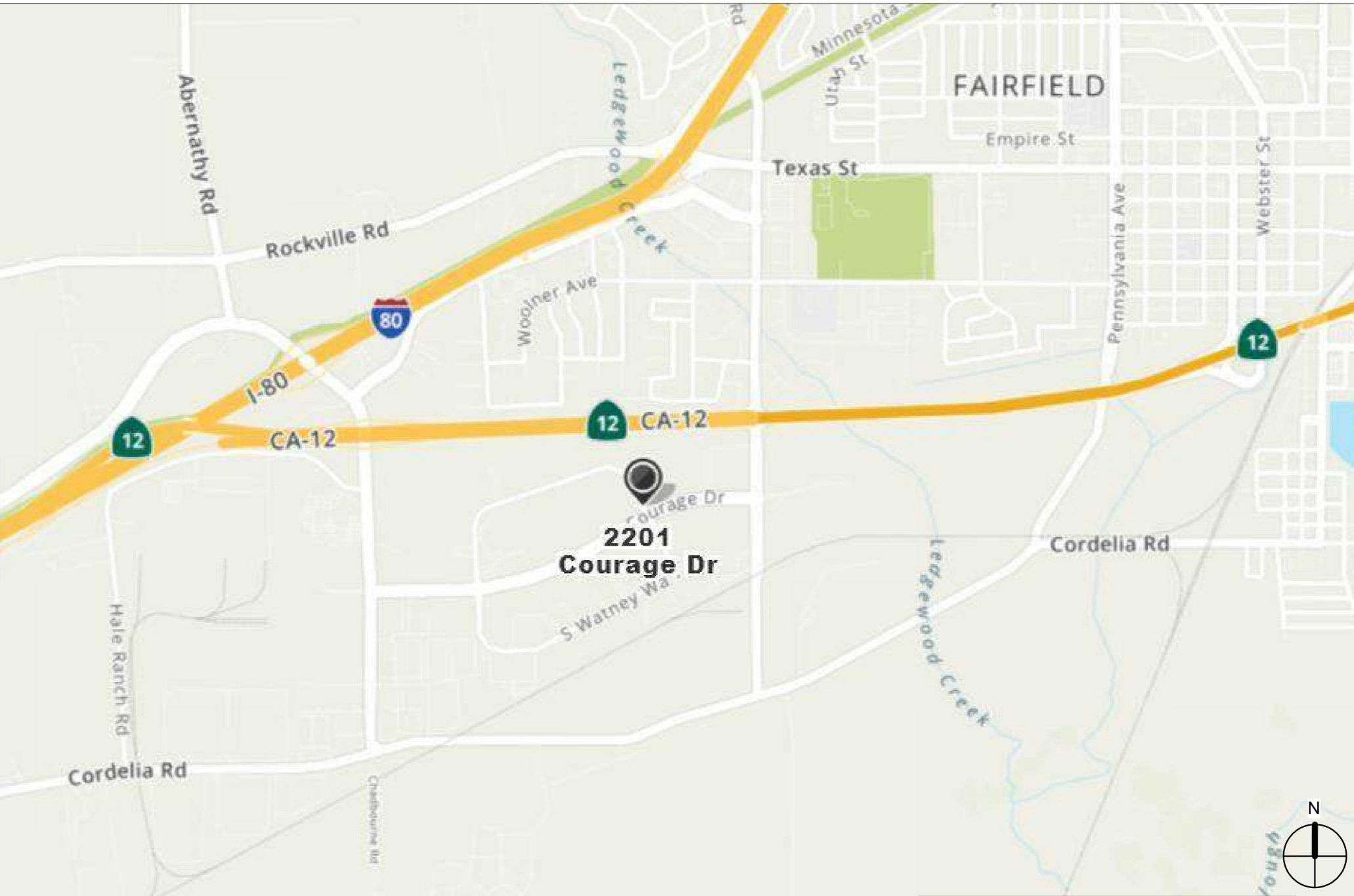
SHEET INDEX	
SHEET NO.	SHEET NAME
GENERAL	
G-001	NOTES, SYMBOLS, AND OVERALL PLAN
G-002	ACCESSIBILITY DIAGRAM
G-003	ACCESSIBILITY UPGRADES
G-004	ACCESSIBILITY UPGRADES
G-005	ACCESSIBILITY UPGRADES
ARCHITECTURAL	
A-111	FLOOR PLANS, PARTITION DETAILS AND FINISH SCHEDULE
A-113	REFLECTED CEILING PLAN AND CEILING DETAILS
A-411	LARGE SCALE ELEVATIONS AND FRAMING DETAILS
MECHANICAL	
M-001	HVAC LEGEND & NOTES
M-002	HVAC SCHEDULE & DETAILS
M-111	HVAC FLOOR PLAN
PLUMBING	
P-001	PLUMBING LEGEND, SCHEDULE & NOTES
P-111	PLUMBING FLOOR PLAN
ELECTRICAL	
E-001	SYMBOLS LIST, NOTES, SHEET INDEX
E-002	TITLE 24
E-003	TITLE 24
E-101A	OVERALL SECOND FLOOR PLAN - ELECTRICAL
E-101B	OVERALL SECOND FLOOR PLAN - LIGHTING
E-101C	OVERALL SECOND FLOOR PLAN - POWER AND SIGNAL
E-200	PARTIAL ONE LINE DIAGRAM AND PANEL SCHEDULES
E-300	DETAILS

SCOPE OF WORK

- 170 SF TENANT IMPROVEMENT OF EXISTING SECOND FLOOR TOXICOLOGY LAB IN EXISTING TWO STORY PUBLIC HEALTH FORENSIC LAB BUILDING BY USING ADJACENT EXISTING SHELL SPACE.
- DEFERRED SUBMITTALS:
 - FIRE PROTECTION / FIRE SPRINKLER AND FIRE ALARM EXPANSION TO TENANT IMPROVEMENT SPACE.
 - FIRE SPRINKLER DRAWINGS SHALL BE SUBMITTED TO FAIRFIELD FIRE FOR REVIEW AND APPROVAL PRIOR TO FIRE SPRINKLER INSTALLATION.
 - FINAL FIRE DISTRICT INSPECTION IS REQUIRED PRIOR TO FINAL BUILDING INSPECTION.



VICINITY MAP



ARCHITECTURE

DEWBERRY ARCHITECTS, INC.

1760 CREEKSIDE OAKS DRIVE
SUITE 200
SACRAMENTO, CA 95833

916.239.7254

MECHANICAL, PLUMBING, AND FIRE PROTECTION

CAPITAL ENGINEERING

11020 SUN CENTER DRIVE
SUITE 100
RANCHO CORDOVA, CA 95670

855.331.7273

ELECTRICAL AND FIRE ALARM

ECOM ENGINEERING

1796 TRIBUTE ROAD
SUITE 100
SACRAMENTO, CA 95815

916.570.1570

PROJECT INFORMATION

SUMMARY: TWO STORY PUBLIC HEALTH CLINIC FORENSIC LAB
OCCUPANCY CLASSIFICATION: BUSINESS GROUP B (NO CHANGE TO EXISTING OCCUPANCY TYPE)
USE: FORENSIC LAB
BUILDING CONSTRUCTION TYPE: TYPE IIB (FULLY SPRINKLERED) PER CBC 2019 TABLE 601
TOTAL PROJECT AREA:
170 S.F. TOTAL
FIRST FLOOR AREA:
15,331 G.S.F.
SECOND FLOOR AREA:
15,459 G.S.F.
195 S.F. BUILDING PROJECTIONS
TOTAL BUILDING AREA:
30,985 G.S.F. TOTAL

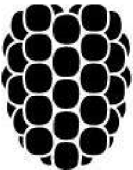
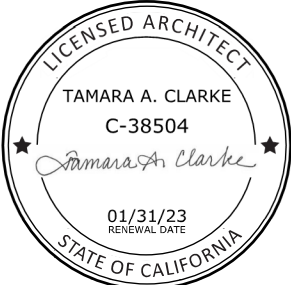
OWNER INFORMATION

SOLANO COUNTY, DEPARTMENT OF GENERAL SERVICES, CAPITAL PROJECTS
MANAGEMENT DIVISION

CONTACT: JORJET POTIER
676 TEXAS STREET, SUITE 2500
FAIRFIELD, CA 94533

APPLICABLE CODES

- TITLE 24 CCR, PART 2 - 2019 CALIFORNIA BUILDING CODE
- TITLE 24 CCR, PART 4 - 2019 CALIFORNIA MECHANICAL CODE
- TITLE 24 CCR, PART 5 - 2019 CALIFORNIA PLUMBING CODE
- TITLE 24 CCR, PART 6 - 2019 CALIFORNIA ENERGY CODE
- TITLE 24 CCR, PART 9 - 2019 CALIFORNIA FIRE CODE
- TITLE 24 CCR, PART 11 - 2019 CALIFORNIA GREEN BUILDING STDS CODE
- TITLE 24 CCR, PART 12 - 2019 CALIFORNIA REFERENCED STANDARDS CODE
- TITLE 24 CCR, PART 10 - 2019 CALIFORNIA EXISTING BUILDING CODE
- 2010 AMERICANS WITH DISABILITIES ACT



Dewberry

E

D

B



(2)

Scale: $\frac{3}{32}'' = 1'-0''$



G-001

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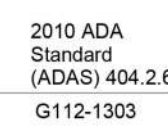
TITLE

ACCESSIBILITY DIAGRAM

PROJECT NO.	501370
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G-002

SHEET NO.



South County - New Public Health Clinic And Laboratory

Stairs - 2nd Floor : Handrail Extension Length

Stairwell A

Run 2 Left Handrail

Finding

The top handrail extension is not the required length beyond the top riser.

On-Site Finding 9.00 inches

Recommendation

Install a compliant handrail extension to the top of the handrail that extends beyond the top riser and is parallel to the floor surface of the landing.

Recommendation	At least 12.00 inches
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Estimated Cost

Add compliant extension to existing railing	\$800
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Code Reference: ADA 504, 504.6, 505.10.2, CA 11B-505.10.2

Record Number 23345



Disability Access Consultants, LLC (DAC) 1-800-743-7067

Page 27 of 82

South County - New Public Health Clinic And Laboratory

Stairs - 1st Floor : Handrail Bottom Extension

Stairwell B

Run 2 Left Handrail

Finding

The bottom handrail does not extend the depth of one stair tread beyond the bottom step.

On-Site Finding None Found

Recommendation

Provide a compliant handrail extension.

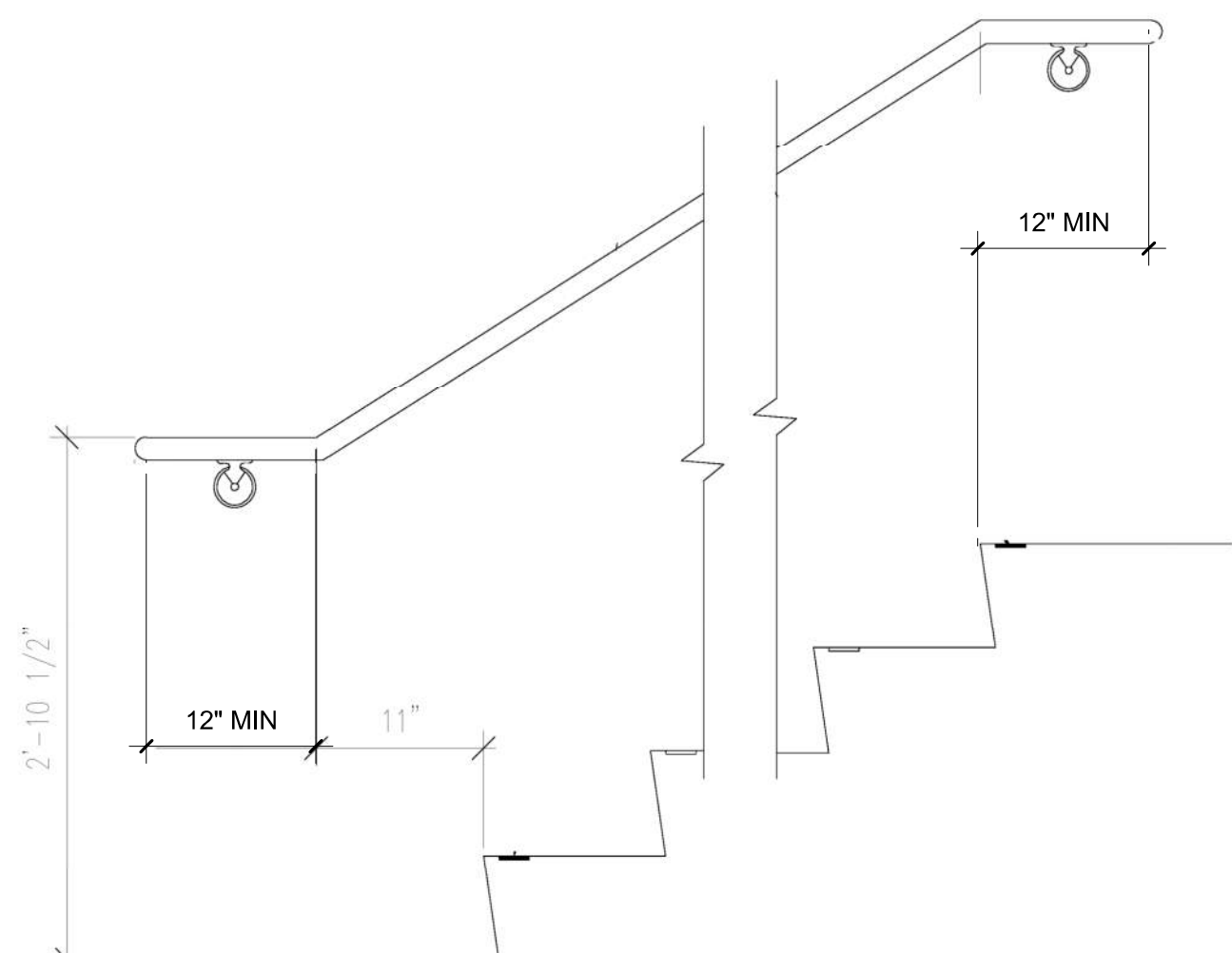


Estimated Cost

Add compliant extension to existing railing	\$1,425
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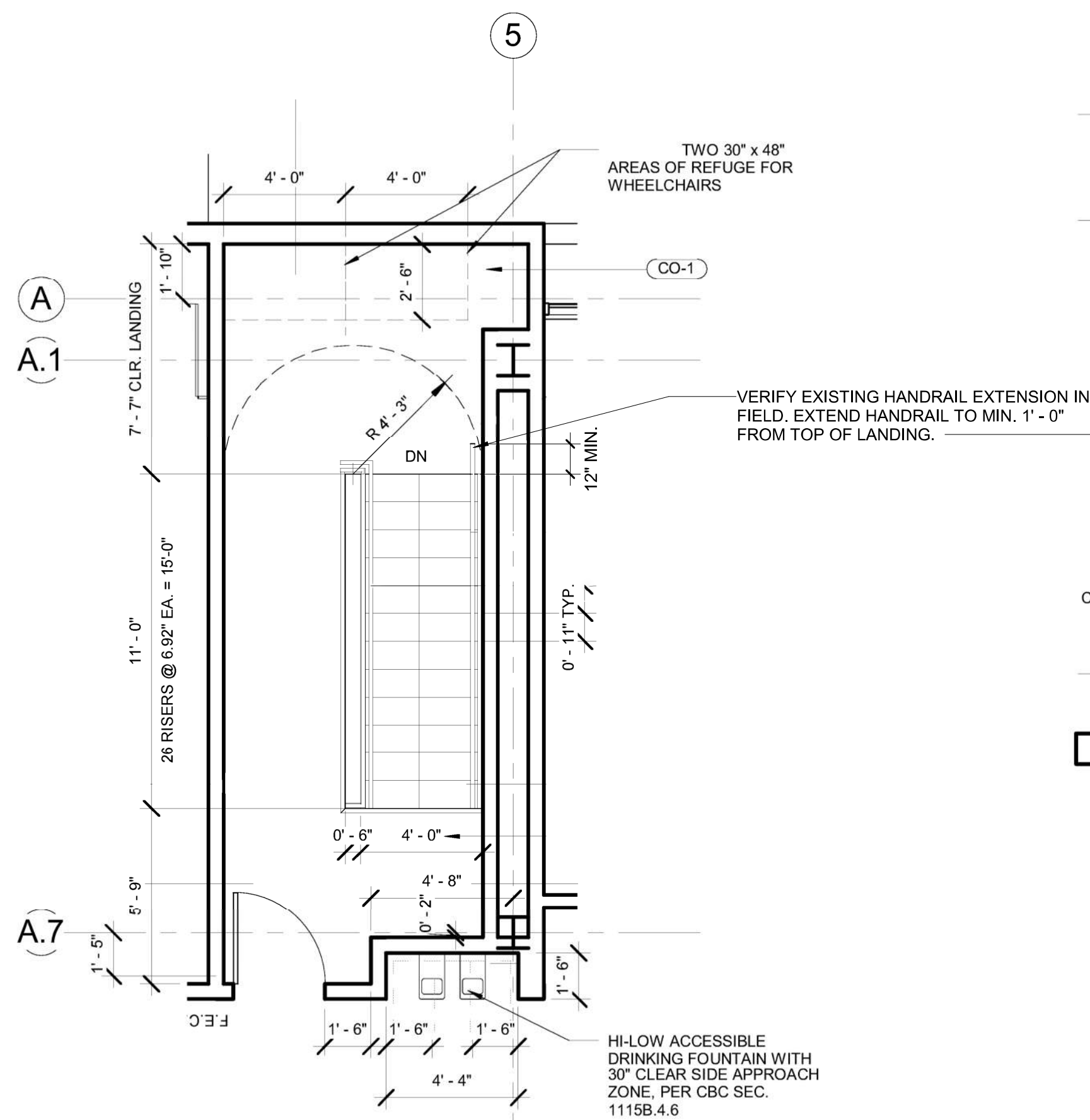
Code Reference	ADA 504, 505.10.3, 504.6, 505.10.3,CA 11B-505.10.3
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Record Number 23417



1 TYPICAL HANDRAIL EXTENSION

Scale: 1" = 1'-0"



4 STAIR A (2ND FLOOR)
Scale: N.T.S.

SIGNAGE - INSTALL ROOM IDENTIFICATION SIGNAGE (PER ADA 703, 216, 216.2, CA 11B-216.2). COMPLETE FOR FOLLOWING LOCATIONS:

MATS - SECURELY FASTEN THE MATS OR CARPET RUNNERS OR REPLACE WITH A MAT OR CARPET RUNNER THAT GRIPS TO THE UNDERLYING FLOOR SURFACE TO PROVIDE A FIRM, STABLE, CONTINUOUS AND RELATIVELY SMOOTH PATH OF TRAVEL SURFACE. MATS OR CARPET RUNNERS ALONG THE PRIMARY PATH OF TRAVEL SHALL PROVIDE BEVELED EDGES ON ALL SIDES TO PREVENT ROLL OVER. (PER ADA 302, 302.2, CA 11B-4032.302). SEE DETAIL 7/G-005. COMPLETE FOR FOLLOWING LOCATIONS:

DOOR OPENING PRESSURE - ADJUST DOOR CLOSER PRESSURE UP TO 5.00 POUNDS (PER ADA 404.2, CA 11B-404.2). COMPLETE FOR FOLLOWING LOCATIONS:

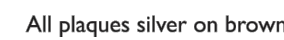
B111 - LOBBY DOOR NEXT TO ROOM 1158
B112 - ROOM 1104

Tactile characters on signs shall be located 48 inches (1219 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest Braille cells, and 60 inches (1524 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest line of raised characters.

Exception: Tactile characters for elevator car controls shall not be required to comply with Section 11B-703.4.1.



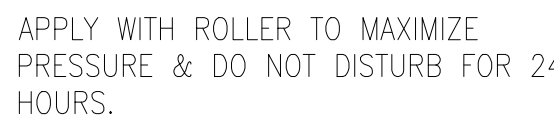
SCALE: NOT TO SCALE



SCALE: NOT TO SCALE



SCALE: NOT TO SCALE



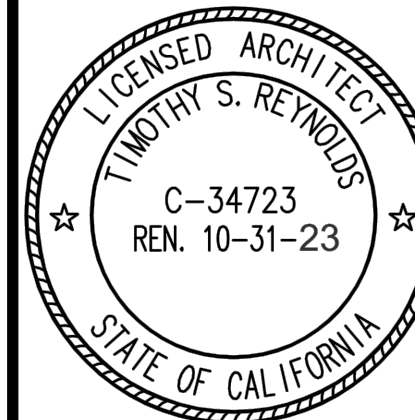
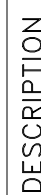
SCALE: NOT TO SCALE



SCALE: NOT TO SCALE



SCALE: NOT TO SCALE



PROJECT TYPE:

PROJECT NUMBER:

COUNTY - GSD\CPM

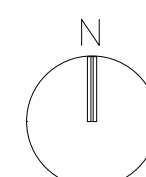
DATE: APRIL 05 2022

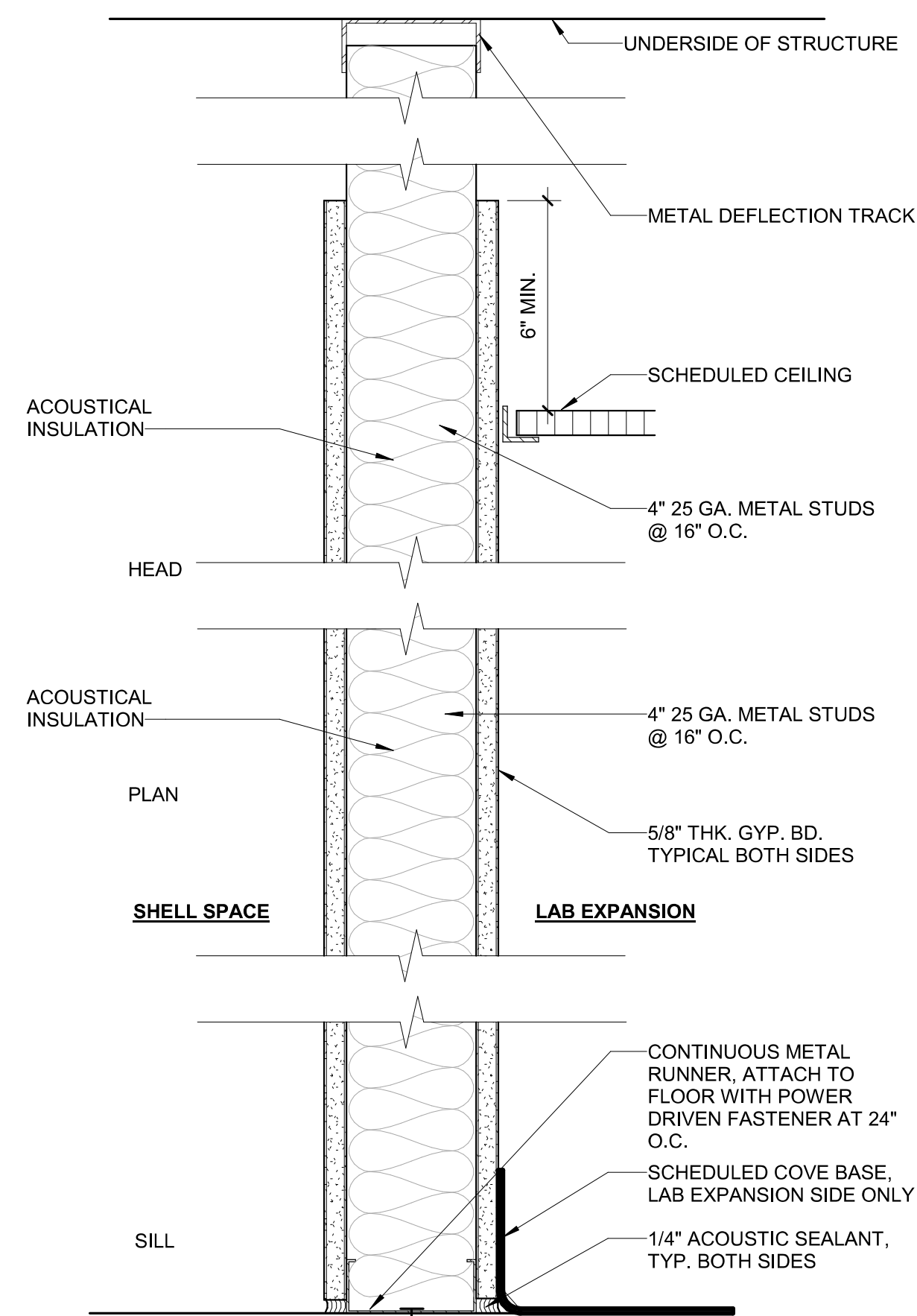
SOLANO COUNTY DISTRICT ATTORNEY (DA)
FORENSIC LAB – TOXICOLOGY EXPANSION
2201 COURAGE DR., 2ND FLR (DA SUITE)
FAIRFIELD, CA

ACCESSIBILITY UPGRADES AND DETAILS

SHEET NUMBER

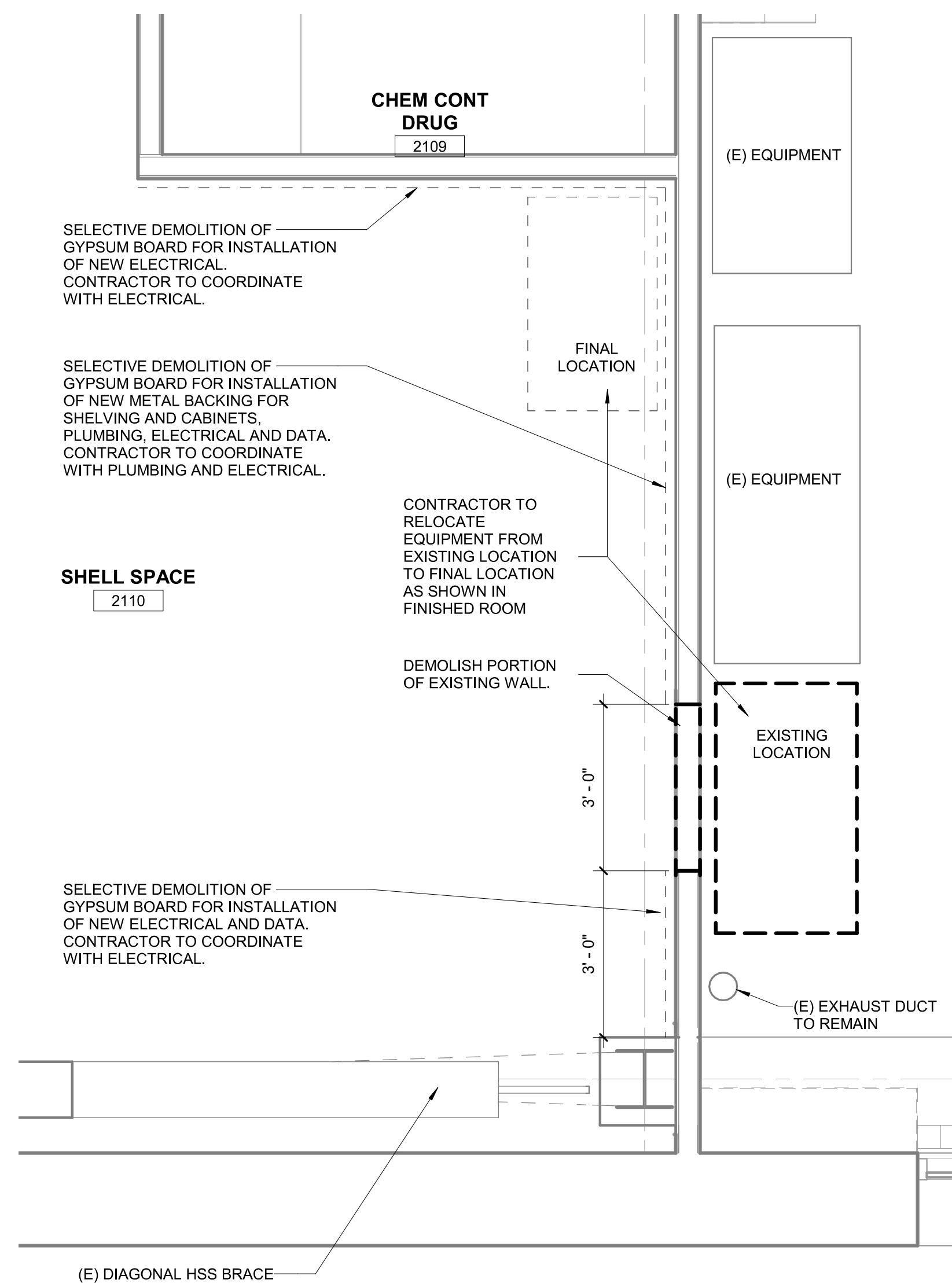
G-005





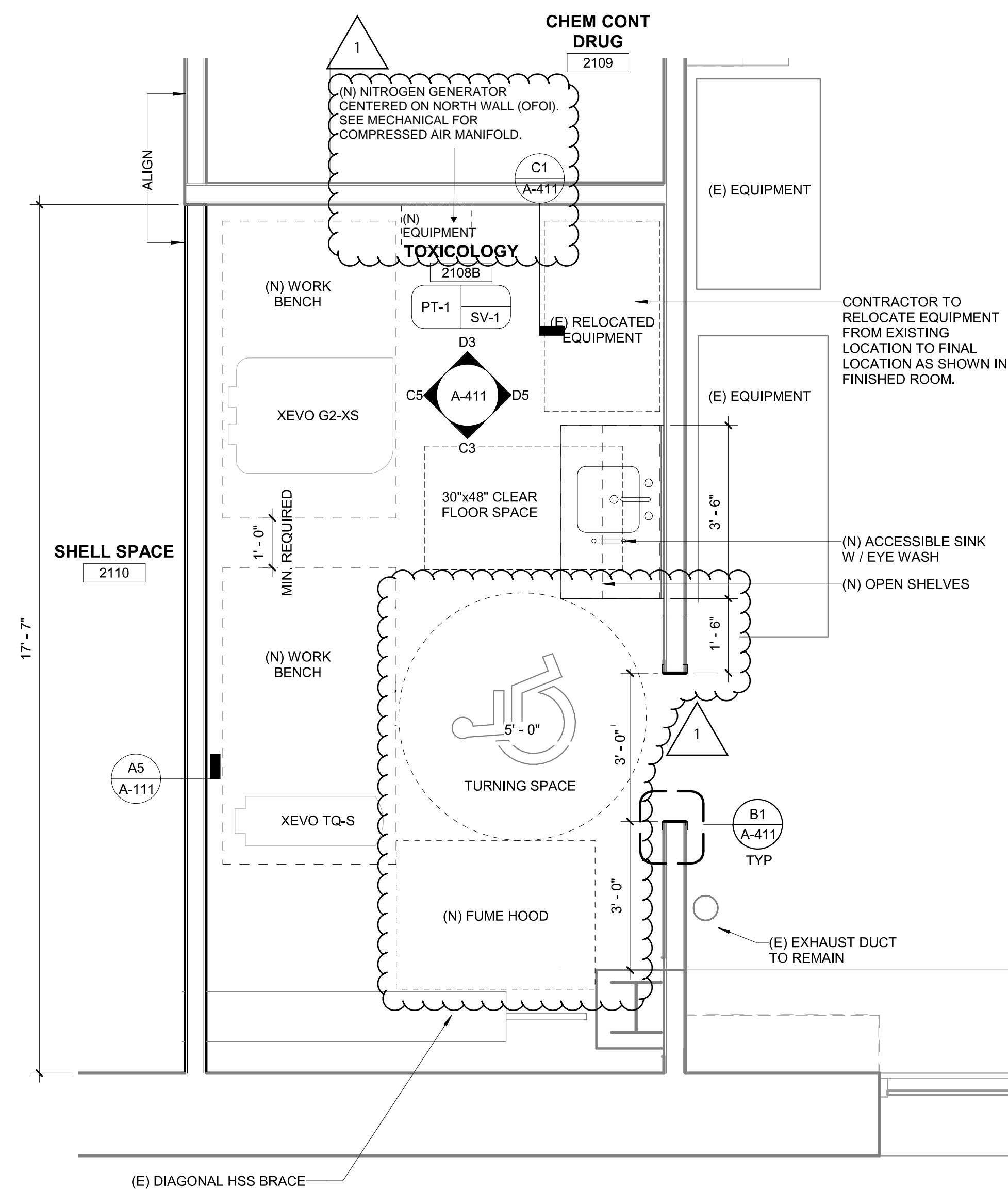
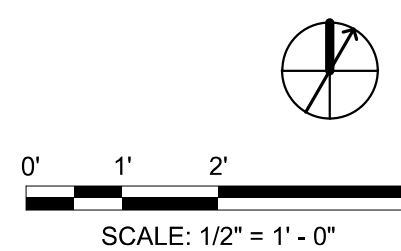
A5 PARTITION DETAIL
Scale: 3" = 1'-0"

Scale: 3" = 1'-0"



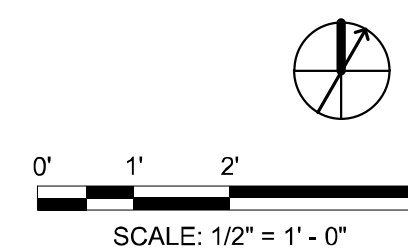
A3 DEMOLITION PLAN
Scale: 1/2" = 1'-0"

Scale: 1/2" = 1'-0"

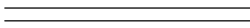
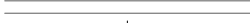

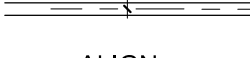





A2 FLOOR PLAN
Scale: 1/2" = 1'-0"

Scale: $1/2" = 1'-0"$



FINISH LIST	
CEILING FINISH:	
ACOUSTIC CEILING TILES	
USG, GYPSUM LAY-IN PANELS (2X4), CLIMA PLUS, WHITE VINYL STIPPLE PATTERN,	
OR EQUAL	
WALL FINISH:	
PAINTED GYP. BD.	
KELLY MOORE, KM3970-1 (MEADOW WAY)	
FLOOR FINISH:	
LIN. WITH SELF COVE BASE (6" CONTINUOUS, HEAT WELDED AT SEAMS)	
FORBO, SMARAGD SHEET VINYL, MARBLE, LICHEN-6382, USE MARMOWELD	
REAL-COLOR 3146, OR EQUAL	
DOOR FRAME:	
PAINTED METAL	
MATCH EXISTING COLOR	
(PROVIDE SAMPLE TO ARCHITECT AND OWNER FOR APPROVAL)	
STRUCTURAL BRACED FRAME:	
PAINTED METAL	
KELLY MOORE, KM3970-1 (MEADOW WAY)	

SYMBOLS LEGEND	
	NEW PARTITION SEE THIS SHEET FOR PARTITION ASSEMBLIES AND DETAILS
	EXISTING PARTITION TO REMAIN
	DIMENSIONS TO FACE OF DRYWALL (UNLESS NOTED OTHERWISE)
	DIMENSION TO CENTER LINE WHERE INDICATED
	ALIGN FACE OF NEW AND EXISTING PARTITION
	NEW EQUIPMENT
	EXISTING EQUIPMENT



DEWBERRY ARCHITECTS, INC.

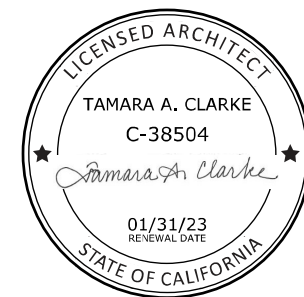
1760 CREEKSIDE OAKS DRIVE
SUITE 200
SACRAMENTO, CA 95833
916.239.7254 Phone
000.000.0000 Fax

SOLANO COUNTY

SOLANO COUNTY DA FORENSIC LAB
TOXICOLOGY EXPANSION

2201 COURAGE DRIVE
2ND FLOOR DISTRICT ATTORNEY(DA) SUITE
FAIRFIELD, CA 94533
100% CONSTRUCTION DOCUMENTS

SEAL



KEY PLAN

SCALE

As indicated

[illegible]

No.	Description	Date
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REVISIONS

DRAWN BY ER

APPROVED BY _____ EN

— CHECKED BY TC

DATE APRIL 05, 2022

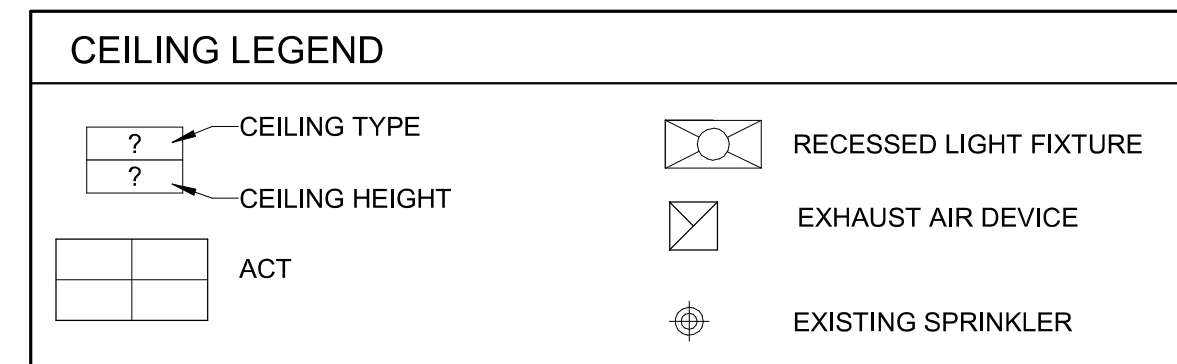
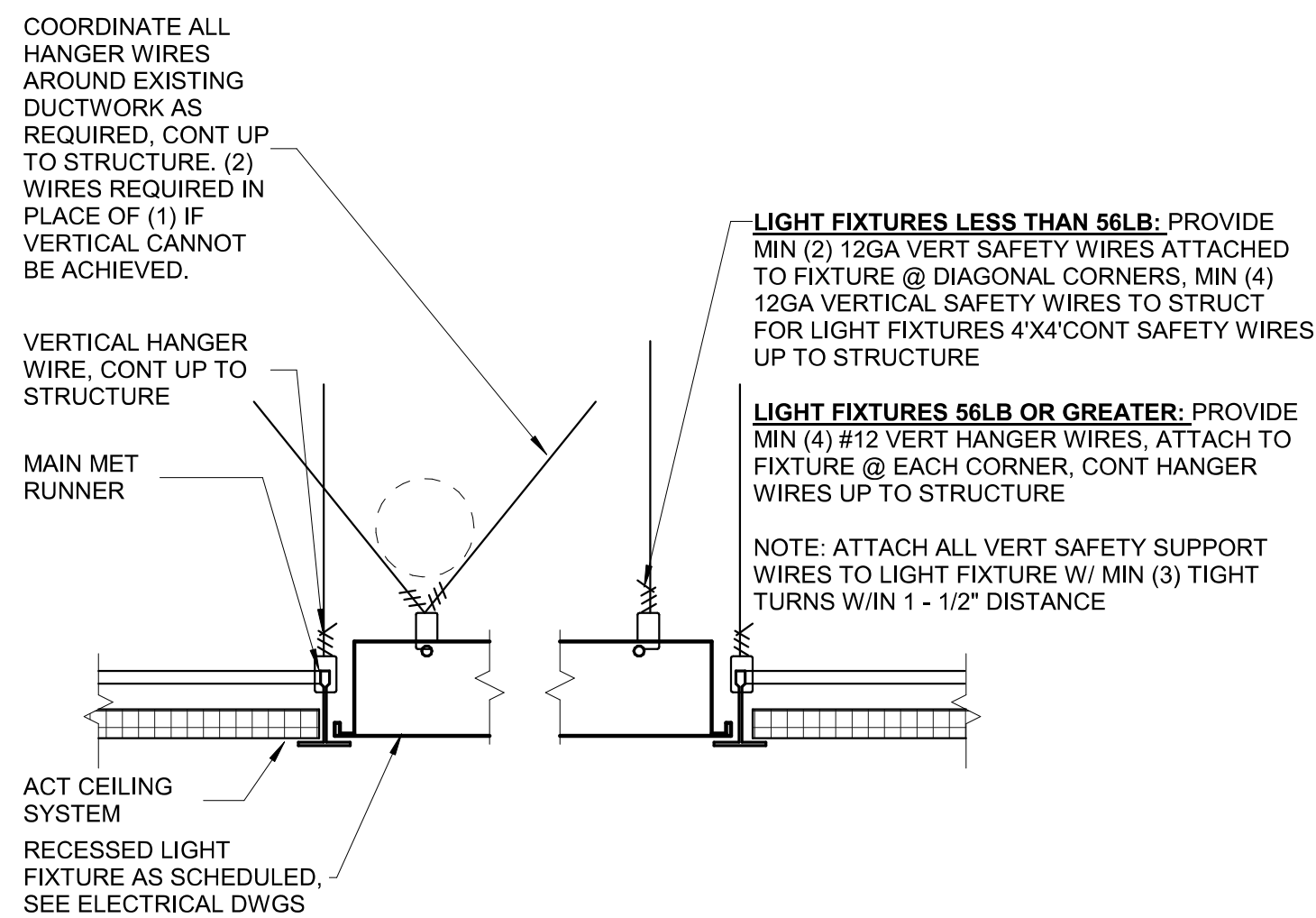
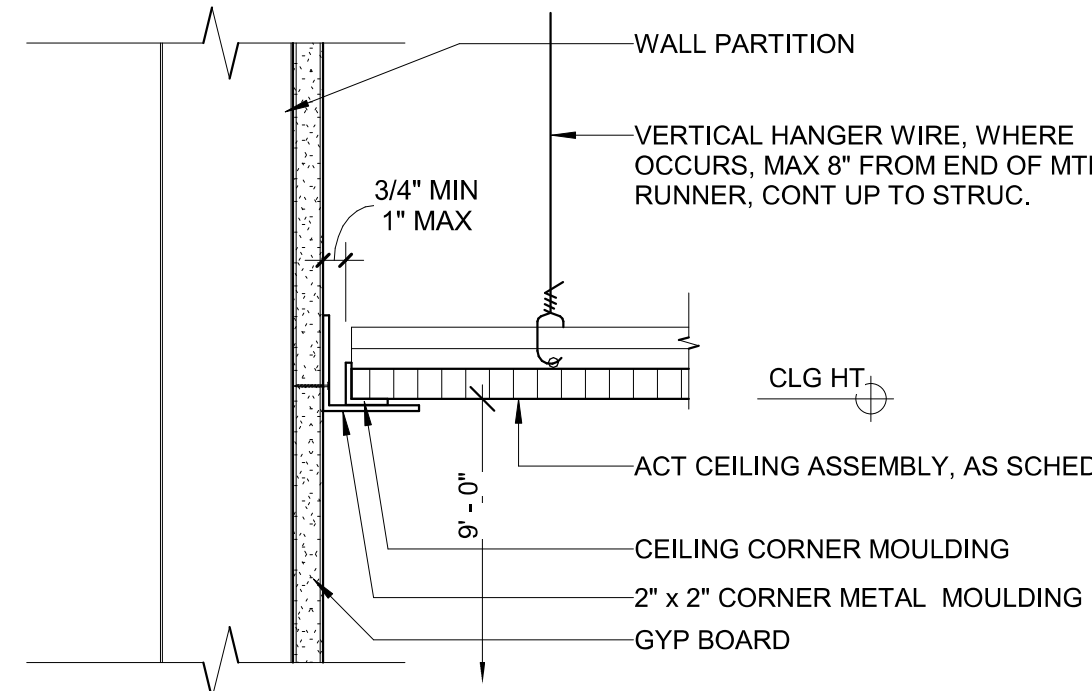
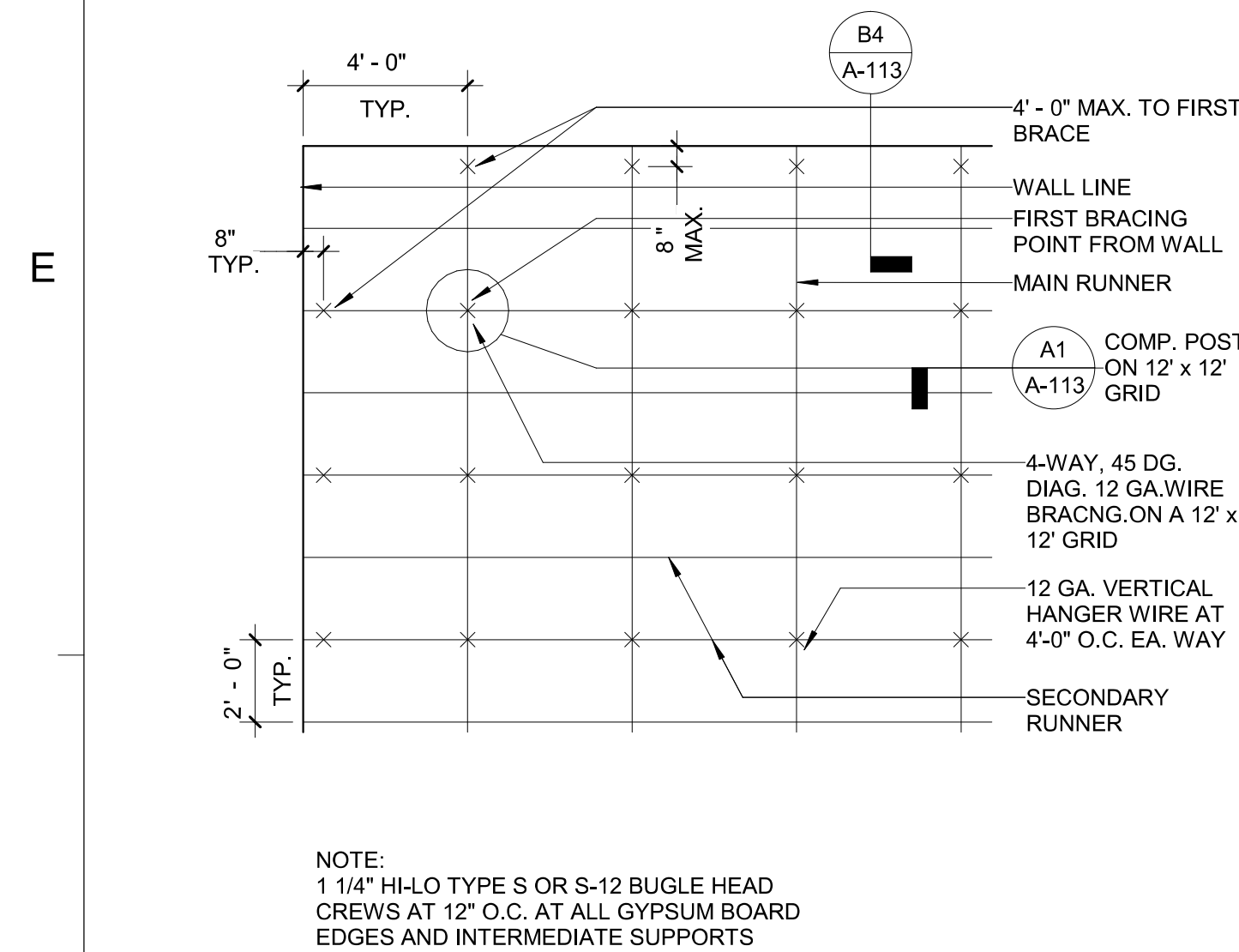
TITLE

FLOOR PLANS,
PARTITION
DETAILS AND
FINISH SCHEDULE

PROJECT NO.	50137033
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A-111

SHEET NO.


Dewberry

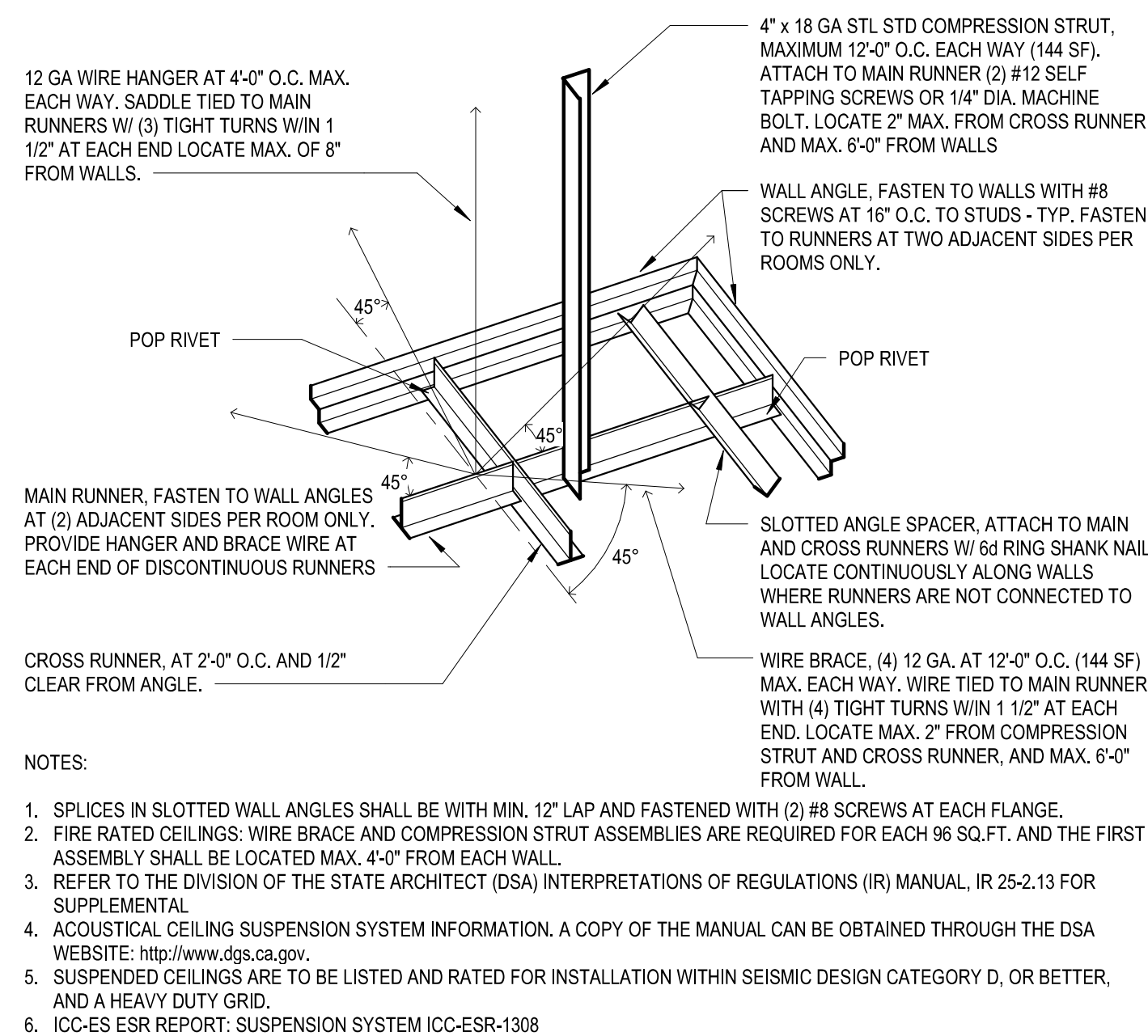
DEWBERRY ARCHITECTS, INC.

1760 CREEKSIDE OAKS DRIVE
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916.239.7254 Phone
000.000.0000 Fax

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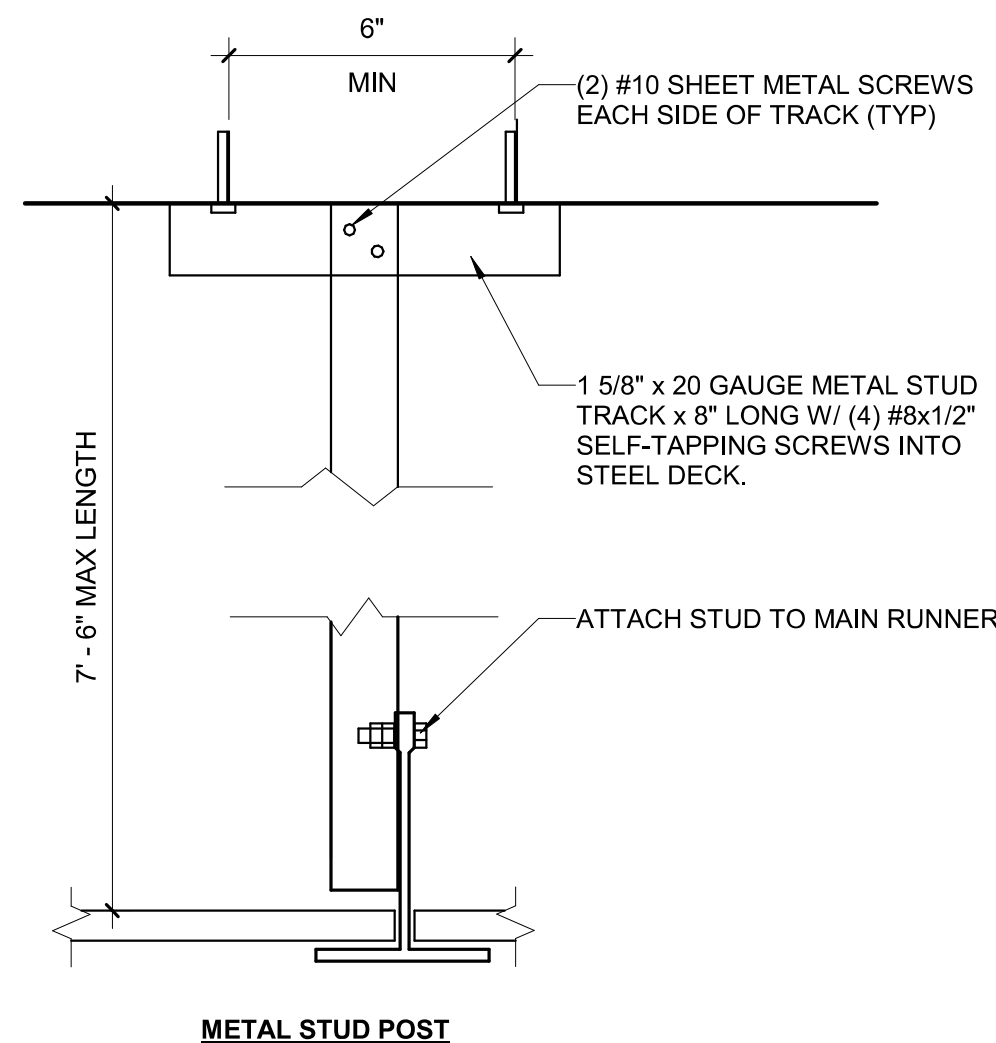
D5 **CEILING FRAMING T-BAR**

Scale: 3" = 1'-0"



R5 ACCOUSTICAL CELING TILE DETAIL

Scale: 3" = 1'-0"

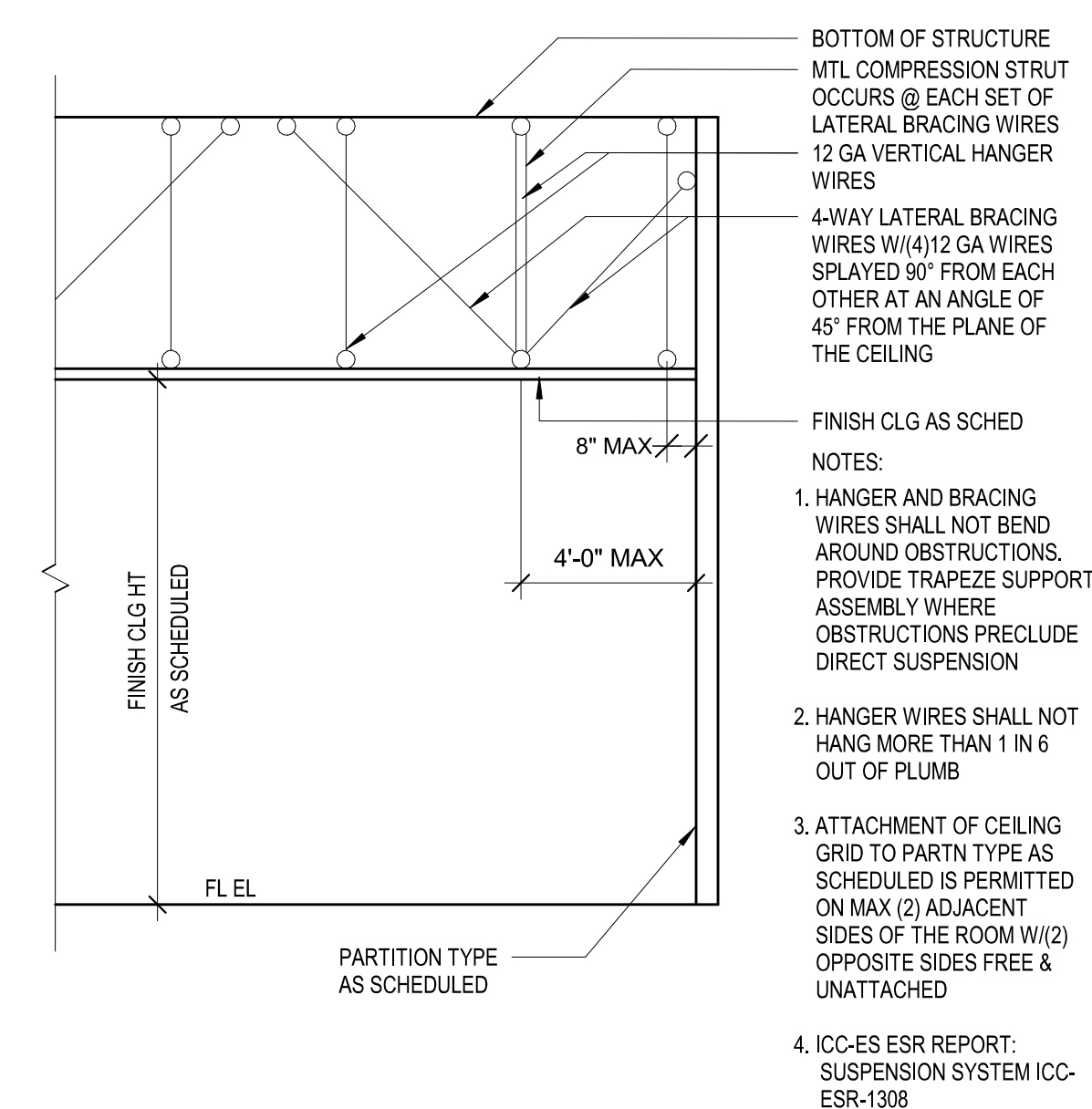


A1 CEILING COMPRESSION POST

Scale: 3" = 1'-0"

D4 ACT AT WALL

Scale: 3" = 1'-0"

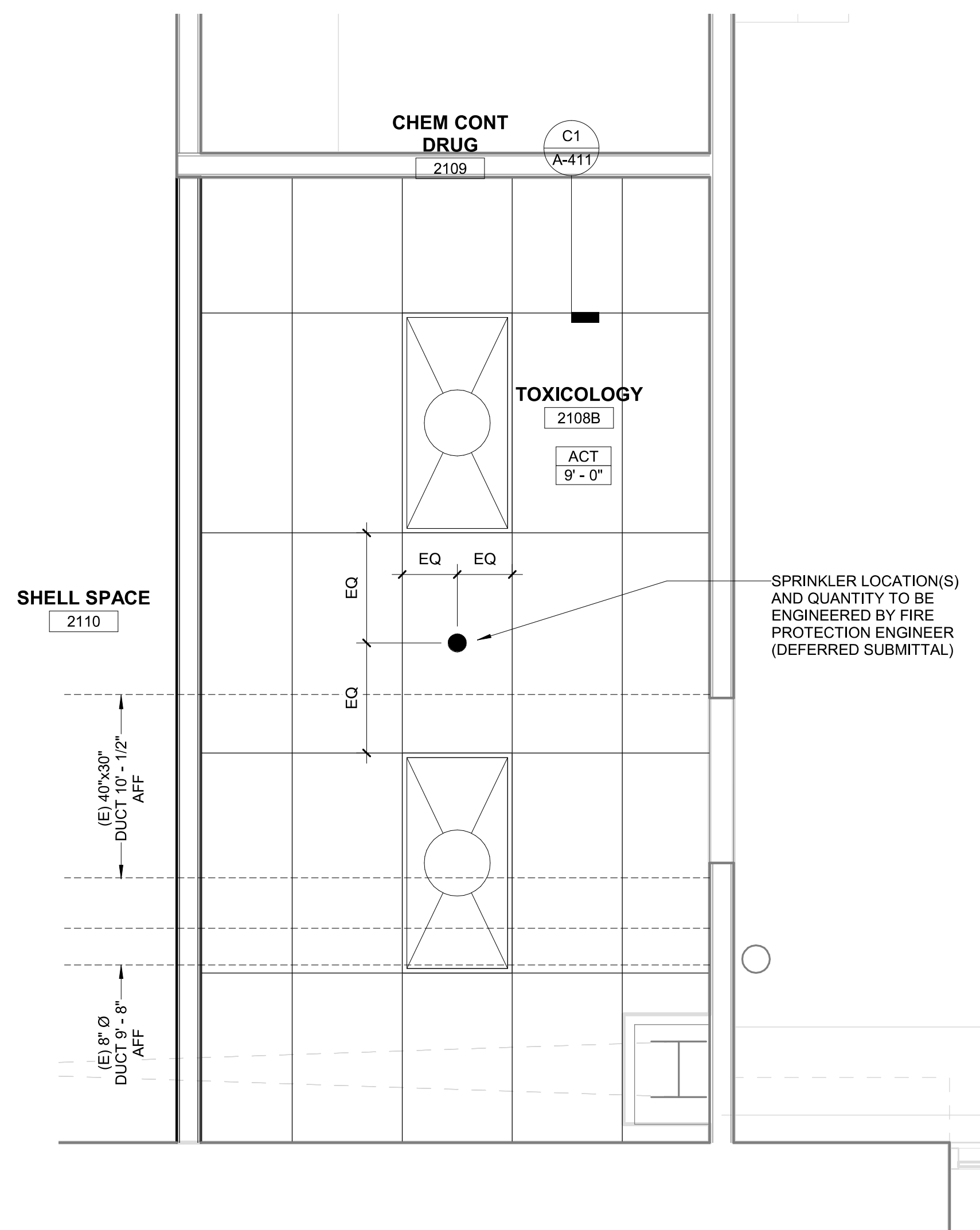


ACT CEILING FRAMING SECTION

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

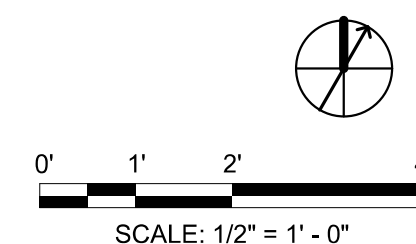
D3 RECESSED LIGHT FIXTURE

Scale: 1" = 1'-0'

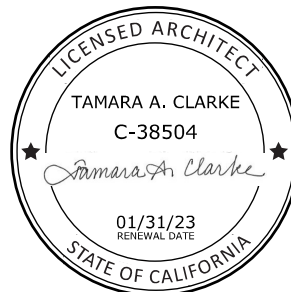


A2 REFLECTED CEILING PLAN

Scale: 1/2" = 1'-0"



SEARCH



KEY PLAN

SCALE

As indicated

[illegible]

No.	Description	Date
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REVISIONS

DRAWN BY Author

APPROVED BY _____ Approver

CHECKED BY _____ Checker _____

DATE APRIL 05, 2022

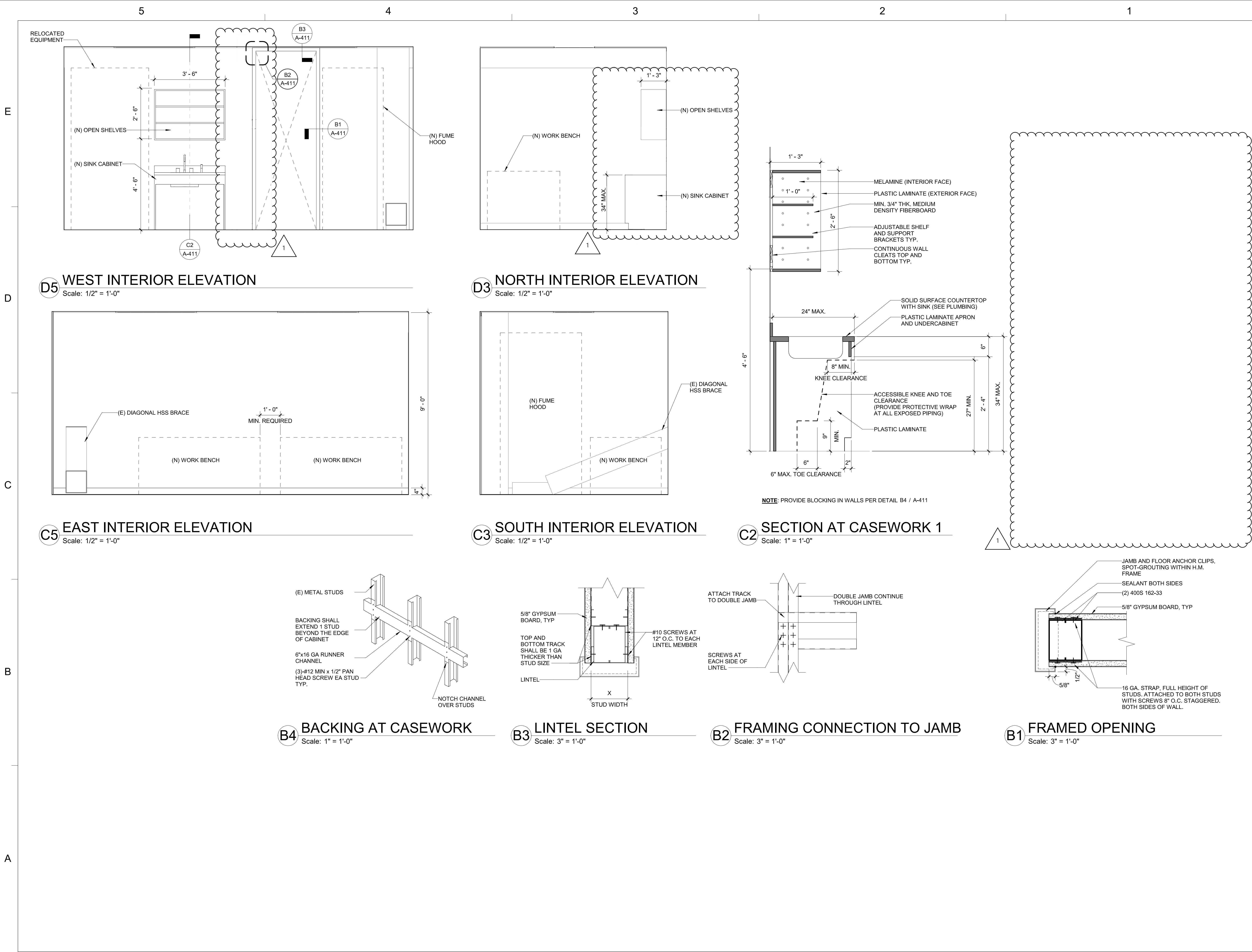
TITLE

REFLECTED CEILING PLAN AND CEILING DETAILS

PROJECT NO.	5013703
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A-113

SHEET NO.



1	ADDENDUM #1	04.05.22

No.	Description	Date
REVISIONS		
DRAWN BY	ER	
APPROVED BY	EN	
CHECKED BY	TC	
DATE	APRIL 05, 2022	

A

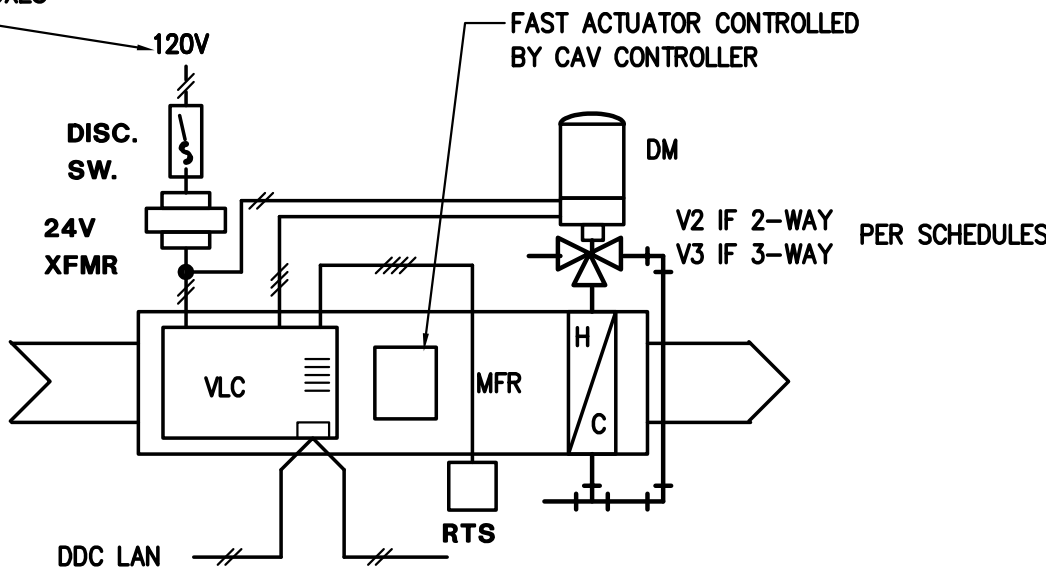
1. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES AND INDUSTRY STANDARDS.
2. VERIFY EXACT LOCATION OF ALL (E) EQUIPMENT, DUCTWORK, DIFFUSERS, REGISTERS AND GRILLES. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN (E) SYSTEMS AND DRAWINGS.
3. COORDINATE EXACT LOCATION OF EQUIPMENT AND ALL PENETRATIONS THROUGH ROOF, FLOORS AND WALLS WITH ARCHITECTURAL STRUCTURAL SYSTEMS PRIOR TO COMMENCING WORK.
4. COORDINATE EXACT SIZE AND ROUTING OF DUCTWORK WITH ARCHITECTURAL PLANS, STRUCTURE AND EQUIPMENT PRIOR TO COMMENCING WORK.
5. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES.
6. FURNISH AND INSTALL MANUAL AIR DAMPERS AT ALL DUCT BRANCH TAKEOFFS TO A SINGLE SUPPLY DUFFUSER.
7. FLEXIBLE DUCTWORK CONNECTIONS TO CEILING DIFFUSERS ARE LIMITED TO 5' MAXIMUM LENGTH.
8. ALL DUCTWORK, CEILING DIFFUSERS/REGISTERS/GRILLES, EQUIPMENT, PIPING ETC., ARE NEW U.O.N. (SHOWN HEAVY). (E) DUCTWORK, PIPING ETC. IS SHOWN LIGHT. SEE LEGEND.
9. (E) DUCTWORK AND ITEMS TO BE REMOVED ARE SHOWN CROSSED ("X") OUT, SEE LEGEND, COORDINATE CLOSELY WITH (N) DUCTWORK AND P.O.C.'S SCHEDULE. ALL OTHER (E) DUCTWORK, ETC. TO REMAIN.

capital
engineering
RANCHO CORDOVA, CALIFORNIA
AC - IS 211105.00
PM - DESIGN TEAM PROJECT NO.

SHEET NO

QC	INI	%

NOTE: SIX (6) -120V/1Ø/60Hz CIRCUITS FOR THE CAV/VAV CONTROLS HAVE BEEN PROVIDED BY DIVISION 16 WITH JUNCTION BOXES (SEE ELEC DWGS). DIVISION 15 CONTROLS SHALL RUN CONDUIT AND WIRING FROM THE J-BOXES TO THE CAV AND VAV BOXES.

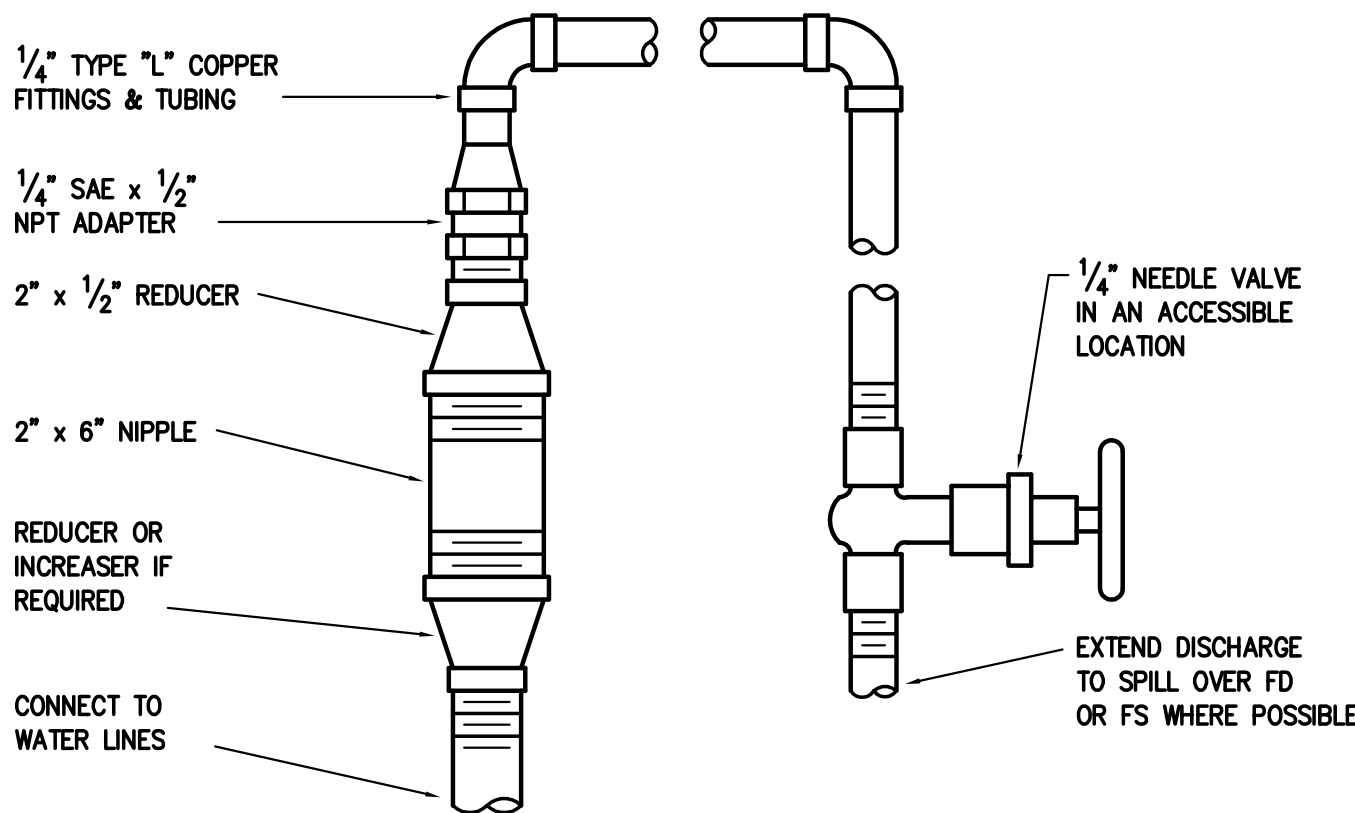


CAV WITH REHEAT

CAV CONTROLS DIAGRAM

SCALE : NONE

5
M-002

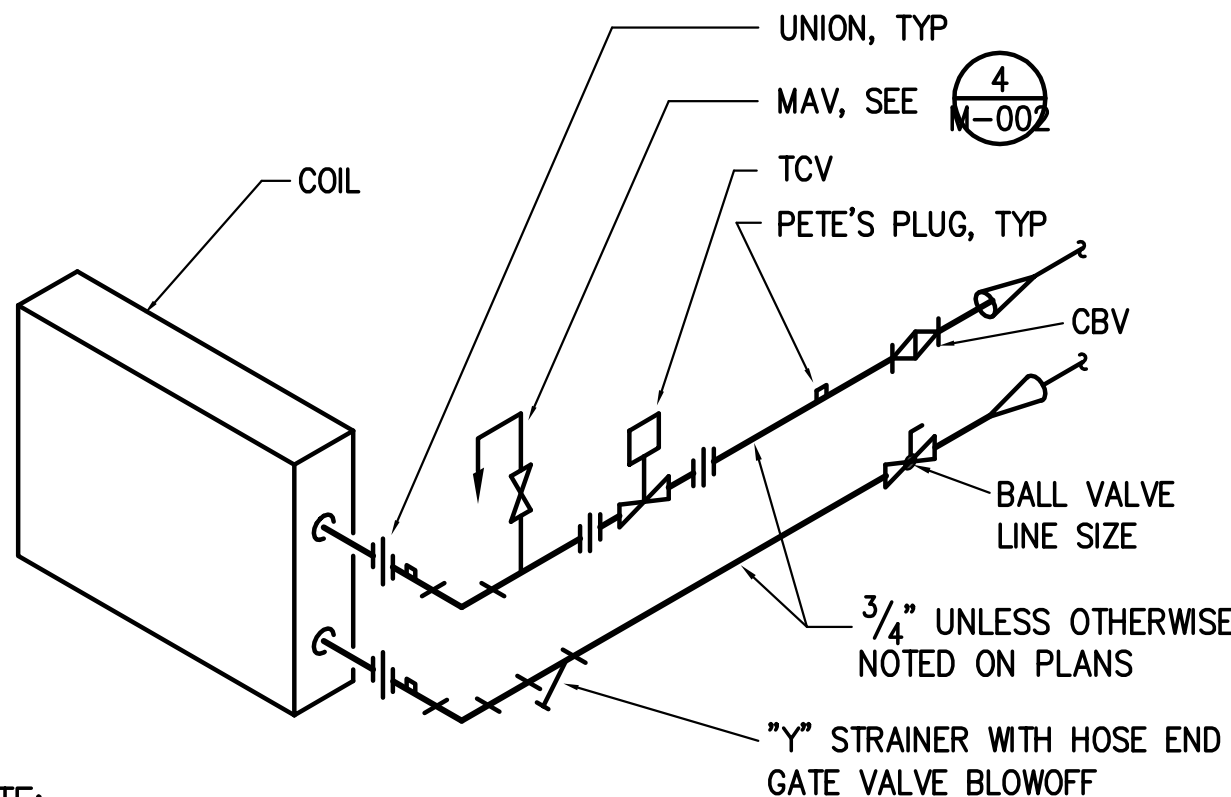


NOTE:
INSTALL MAV'S AT ALL HIGH POINTS & ELSEWHERE AS REQUIRED TO OBTAIN PROPER VENTING.

MANUAL AIR VENT (MAV) DETAIL

SCALE : NONE

4
M-002

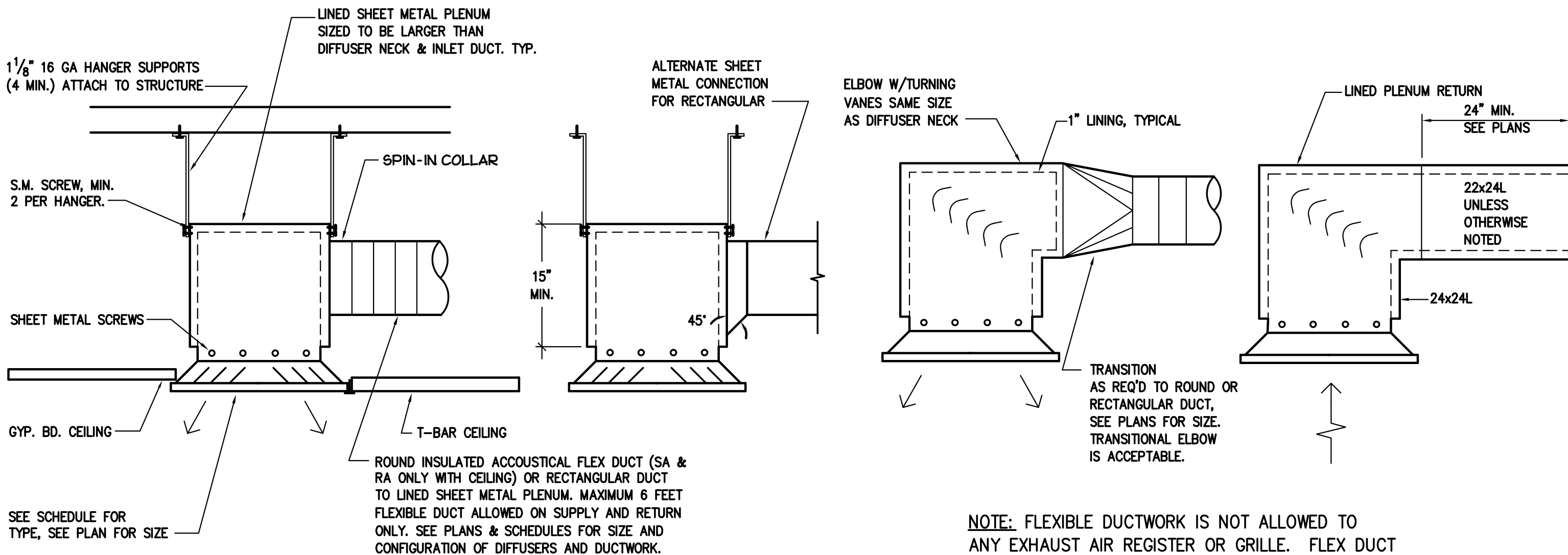


NOTE:
COIL SHALL BE PIPED COUNTER FLOW TO AIR FLOW; SUPPLY AT BOTTOM.

REHEAT COIL PIPING (2-WAY)

SCALE : NONE

3
M-002



RETURN, EXHAUST & SUPPLY REGISTER DETAIL

SCALE : NONE

TERMINAL UNIT SCHEDULE

UNIT	AREA SERVED	"TITUS" ESV SERIES	MAX CFM	MIN CFM	DISCHARGE CONN SIZE	TOTAL AIR PRESSURE DROP	NC		2-ROW REHEAT COIL			VALVE
							DISCHARGE	RADIATED	MBH	GPM	PD (FT H ₂ O)	
CAV 51	TOXICOLOGY	14	1250	1250	20x18	0.24	< 20	23	40.0	2.0	0.56	2-WAY

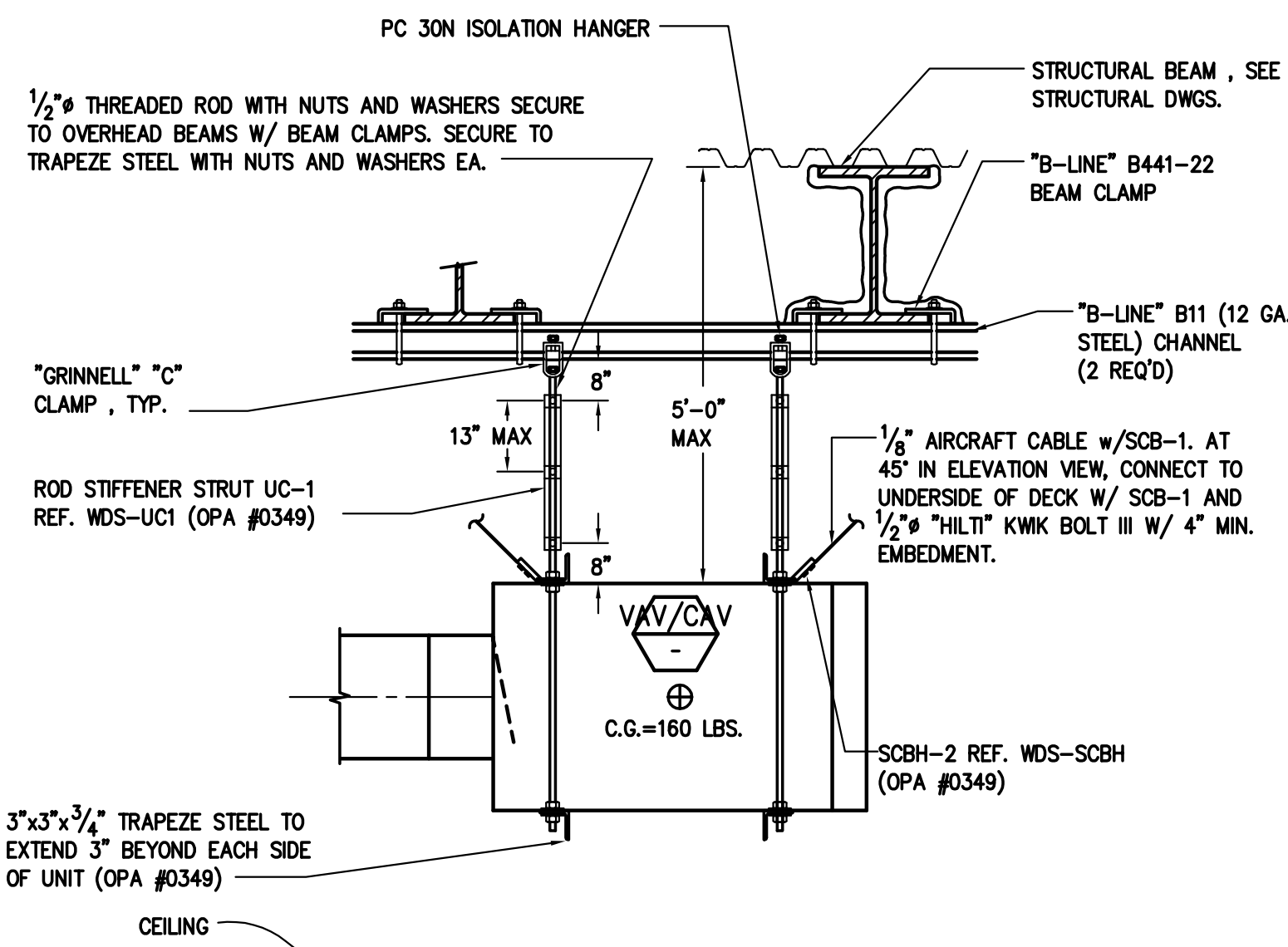
NOTES: PROVIDE BOX W/DAMPER AND LINKAGE AND AVERAGING VELOCITY SENSOR. FOR CONTROLS SEE SHEETS 5/M-001. HW ΔT = 40°F, 180°F EWT, 140°F LWT. FOR BOX MOUNTING SEE 1/M-002. FOR HW COIL PIPING SEE 3/M-001 & 12/M5.01. TERMINAL UNITS HAVE BEEN SELECTED WITH 1.0" INLET STATIC PRESSURE FOR NOISE CRITERIA DATA.

PROVIDE 3-WAY TEMPERATURE CONTROL VALVES AS NOTED ON SCHEDULE AT END OF RUNS AND DISTANT BOXES. 2-WAY VALVES ALL OTHER TERMINAL BOX COILS. VAV REHEAT COIL MBH's CALCULATED AT MINIMUM CFM. ALL CAV AND VAV COILS SHALL BE 2 ROWS, 8 FPI MINIMUM

DIFFUSER, REGISTER & GRILLE SCHEDULE

SYMBOL	DESCRIPTION	TITUS	PRICE	METALAIR	KRUEGER
CDL X	MODULAR CORE LAY-IN CEILING DIFFUSER FOR T-BAR CEILING 24x24 PANEL	MCD - BORDER TYPE 3	SMCD-FRAME 3P	9000-6P	1240 FRAME 23

- NOTES:
- ALL SYMBOLS NOTED MAY NOT BE USED. REFER TO PLANS FOR SIZE AND QUANTITY.
 - ALL SUPPLY AIR DIFFUSERS ARE 4 WAY BLOW UNLESS SHOWN OTHERWISE.
 - FURNISH ALL PRODUCTS OF A SINGLE MANUFACTURER.
 - COORDINATE DIFFUSER TYPE WITH REFLECTED CEILING PLAN.
 - OPPOSED BLADE DAMPERS ARE NOT REQUIRED AT DIFFUSERS, REGISTERS OR GRILLES.
 - PROVIDE MANUAL AIR DAMPERS AT EACH BRANCH DUCT TO A SINGLE DIFFUSER, REGISTER OR GRILLE.
 - FOR MOUNTING SEE 2/M-002



TERMINAL UNIT SUPPORT DETAIL

SCALE : NONE

1
M-002



DEWBERRY ARCHITECTS, INC.

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SUITE 200
SACRAMENTO, CA 95833
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SOLANO COUNTY DA FORENSIC LAB
TOXICOLOGY EXPANSION

2201 COURAGE DRIVE
2ND FLOOR DISTRICT ATTORNEY SUITE
FAIRFIELD, CA 94533
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SOLANO COUNTY

SEAL



DATE SIGNED: 1/28/2022

KEY PLAN

SCALE

As indicated

No.	Description	Date

REVISIONS

DRAWN BY	AC
APPROVED BY	AC
CHECKED BY	AC
DATE	APRIL 05, 2022

TITLE

HVAC
SCHEDULE &
DETAILS

PROJECT NO. 50137033

M-002

SHEET NO.



A

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AC - IS 211105.00
PM - DESIGN TEAM PROJECT NO.

QC	
INI	%

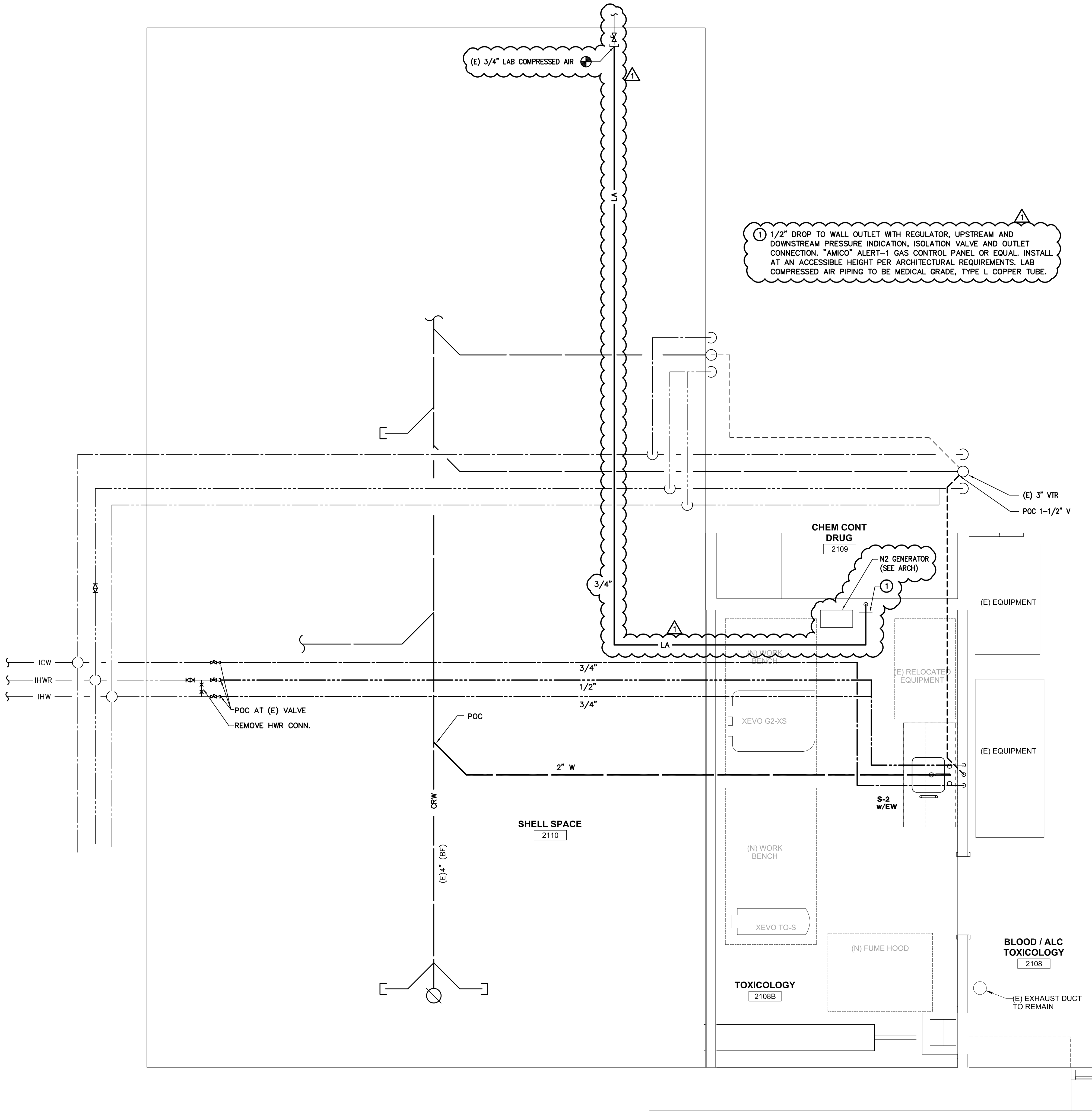
E

D

C

B

A



(P1) PLUMBING FLOOR PLAN
Scale: 1/2" = 1'-0"

capital
engineering

RANCHO CORDOVA, CALIFORNIA

AC - IS	211105.00
PM - DESIGN TEAM	PROJECT NO.



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2201 COURAGE DRIVE
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SEAL



DATE SIGNED: 4/5/22

KEY PLAN

SCALE

As indicated

[illegible]

No.	Description	Date
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REVISIONS

DRAWN BY AC

APPROVED BY _____ AC

CHECKED BY _____ AC _____

DATE APRIL 05, 2022

TITLE

PLUMBING FLOOR PLAN

PROJECT NO. 5013703

P-111

SHEET NO.

E

D

C

B

A

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name: DA FORENSIC LAB EXPANSION

Report Page: Page 1 of 6

Project Address: 2201 COURAGE DRIVE, FAIRFIELD, CA 94533

Date Prepared: 11/04/21

A. GENERAL INFORMATION

01 Project Location (city)

FAIRFIELD

04 Total Conditioned Floor Area (ft²)

170

02 Climate Zone

12

05 Total Unconditioned Floor Area (ft²)

03 Occupancy Types Within Project (select all that apply):

06 # of Stories (Habitable Above Grade)

☐ Office

☐ Retail

☐ Warehouse

☐ Hotel/Motel

☐ School

☐ Support Areas

☐ Parking Garage

☐ High-Rise Residential

☐ Relocatable

☐ Healthcare

☒ Other (write in): FORENSIC LAB

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work

01

02

03

04

05

My Project Consists of (check all that apply):

Calculation Method

Area (ft²)

Calculation Method

Area (ft²)

☐ New Lighting System

☒ Altered Lighting System

Area Category

Total Area of Work (ft²)

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.

Allowed Lighting Power per §140.6(b) (Watts)

01

02

03

04

05

06

07

08

09

Complete Building §140.6(c)1

Area Category §140.6(c)2

Area Category Additional §140.6(c)2G (+)

Tailored §140.6(c)3 (+)

Total Allowed (Watts)

Total Designed (Watts)

PAF Control Credits §140.6(a)2 (-)

Total Adjusted (Watts) *Includes Adjustments

05 Must be ≥08 §140.6

(See Table I)

(See Table I)

(See Table J)

(See Table K)

170

117.2

117.2

COMPLIES

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: DA FORENSIC LAB EXPANSION

Report Page: Page 2 of 6

Project Address: 2201 COURAGE DRIVE, FAIRFIELD, CA 94533

Date Prepared: 11/04/21

Controls Compliance (See Table H for Details)

COMPLIES

Rated Power Reduction Compliance (See Table Q for Details)

Not Applicable

D. EXCEPTIONAL CONDITIONS

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

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

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

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01

02

03

04

05

06

07

08

09

10

Name or Item Tag

Complete Luminaire Description

Modular (Track) Fixture

Small Aperture & Color Change¹

Watts per luminaire²

How Wattage is determined

Total number luminaires

Exempt per §140.6(a)3

Design Watts

Field Inspector

A

2X4 LED TROFFER

☐

☐

58.6

Mfr. Spec³

2

☐

117.2

☐

☐

Total Designed Watts CONDITIONED SPACES:

117.2

¹ FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

² Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: DA FORENSIC LAB EXPANSION

Report Page: Page 3 of 6

Project Address: 2201 COURAGE DRIVE, FAIRFIELD, CA 94533

Date Prepared: 11/04/21

Building Level Controls

01

02

03

Mandatory Demand Response §110.12(c)

Shut-Off Controls §130.1(c)

Field Inspector

☐

☐

Area Level Controls

04

05

06

07

08

09

10

11

12

Area Description

Complete Building or Area Category Primary Function Area

Area Controls §130.1(a)

Multi-Level Controls §130.1(b)

Shut-Off Controls §130.1(c)

Primary/Skylit Daylighting §130.1(d)

Secondary Daylighting §140.6(d)

Interlocked Systems §140.6(a)1

Field Inspector

TOXICOLOGY

Laboratory Area, Scientific

Manual ON/OFF

Dimmer

Occ. Sensor

NA

NA

☐

☐

☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.

EX: Conference 1: Primary/Skylight Daylighting; Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)2

13

Plan Sheet Showing Daylit Zones:

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01

02

03

04

05

06

Area Description

Complete Building or Area Category Primary Function Area

Allowed Density (W/ft²)

Area (ft²)

Allowed Wattage (Watts)

Additional Allowances / Adjustment

TOXICOLOGY

Laboratory Area, Scientific

1

170

170

☐

☐

TOTAL:

170

170

See Tables J or P for detail

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: DA FORENSIC LAB EXPANSION

Report Page: Page 4 of 6

Project Address: 2201 COURAGE DRIVE, FAIRFIELD, CA 94533

Date Prepared: 11/04/21

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This Section Does Not Apply

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This Section Does Not Apply

R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS

This Section Does Not Apply

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: 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://www2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCL/

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

No.	Description	Date
REVISIONS		
	DRAWN BY	ER
	APPROVED BY	EN
	CHECKED BY	TC
	DATE	APRIL 05, 2022
TITLE		

E

D

C

B

A

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: DA FORENSIC LAB EXPANSION

Report Page: Page 5 of 6

Project Address: 2201 COURAGE DRIVE, FAIRFIELD, CA 94533

Date Prepared: 11/04/21

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCH-LTI-01-E - Must be submitted for all buildings	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCH-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCH-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCH-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCH-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: 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 any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: DA FORENSIC LAB EXPANSION

Report Page: Page 6 of 6

Project Address: 2201 COURAGE DRIVE, FAIRFIELD, CA 94533

Date Prepared: 11/04/21

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: BEN SCHLENKER

Documentation Author Signature:

Company: ECOM ENGINEERING, INC

Signature Date: 11/04/21

Address: 1455 RESPONSE ROAD, SUITE 140

CEA/ HERS Certification Identification (if applicable):

City/State/Zip: SACRAMENTO / CA / 95815

Phone: (916) 641-5600

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. 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)

3. 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.

4. 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.

5. 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: BEN SCHLENKER

Responsible Designer Signature:

Company : ECOM ENGINEERING, INC

Date Signed:

Address: 1455 RESPONSE ROAD, SUITE 140

License: E 021982

City/State/Zip: SACRAMENTO / CA / 95815

Phone: (916) 641-5600

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

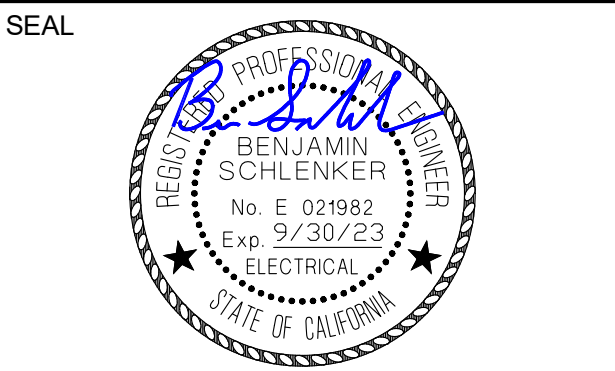
January 2020

ECOM
ENGINEERING
1455 RESPONSE ROAD, SUITE 140
SACRAMENTO, CA. 95815
916.641.5600
916.641.1640 FAX
WWW.ECOMENG.COM

JOB NO. 21-P170.00 PM. MS
DESIGNERS ECOM
DRAWN BY ECOM

Dewberry
DEWBERRY ARCHITECTS, INC.
1760 CREEKSIDE OAKS DRIVE
SUITE 200
SACRAMENTO, CA 95833
916.239.7254 Phone
000.000.0000 Fax

SOLANO COUNTY
SOLANO COUNTY DA FORENSIC LAB
TOXICOLOGY EXPANSION
2201 COURAGE DRIVE
2ND FLOOR DISTRICT ATTORNEY SUITE
FAIRFIELD, CA 94533
100% CONSTRUCTION DOCUMENTS



KEY PLAN

SCALE

No.	Description	Date
-----	-------------	------

REVISIONS

DRAWN BY	ER
APPROVED BY	EN
CHECKED BY	TC
DATE	APRIL 05, 2022

TITLE

TITLE 24

PROJECT NO. 50137033

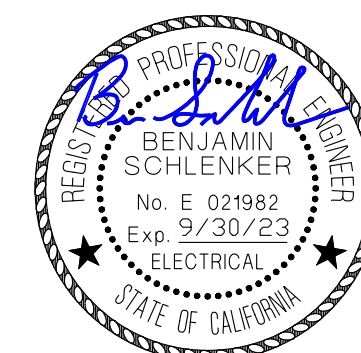
E003

SHEET NO.

1 ALL NEW TELECOMMUNICATION CABLES SHALL BE
TERMINATED IN THIS ROOM.

SOLANO COUNTY
SOLANO COUNTY DA FORENSIC LAB
TOXICOLOGY EXPANSION
2201 COURAGE DRIVE
2ND FLOOR DISTRICT ATTORNEY SUITE
FAIRFIELD, CA 94533
100% CONSTRUCTION DOCUMENTS

SEAL



KEY PLAN

SCALE

[illegible]

REVISIONS

DRAWN BY _____ ER
APPROVED BY _____ EM
CHECKED BY _____ TO
DATE APRIL 05, 2022

TITLE

OVERALL
SECOND FLOOR
PLAN -
ELECTRICAL

PROJECT NO. 5013703

E101A

SHEET NO.



1455 RESPONSE ROAD, SUITE 140
SACRAMENTO, CA. 95815
916.641.5600
916.641.1640 FAX
WWW.ECOMENG.COM

JOB NO. 21-P170.00 PM. MS
DESIGNERS ECOM
DRAWN BY ECOM

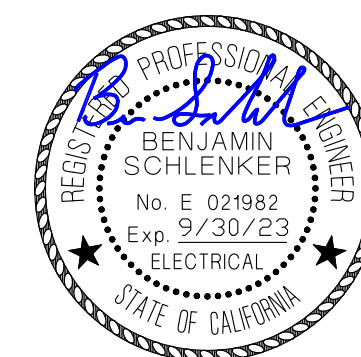


OVERALL SECOND FLOOR PLAN - ELECTRICAL

$$1/8'' = 1' - 0''$$

SOLANO COUNTY
SOLANO COUNTY DA FORENSIC LAB
TOXICOLOGY EXPANSION
2201 COURAGE DRIVE
2ND FLOOR DISTRICT ATTORNEY SUITE
FAIRFIELD, CA 94533
100% CONSTRUCTION DOCUMENTS

SEAL



KEY PLAN

SCALE

[illegible]

REVISIONS

DRAWN BY	ER
APPROVED BY	EN
CHECKED BY	TO
DATE	APRIL 05, 2022

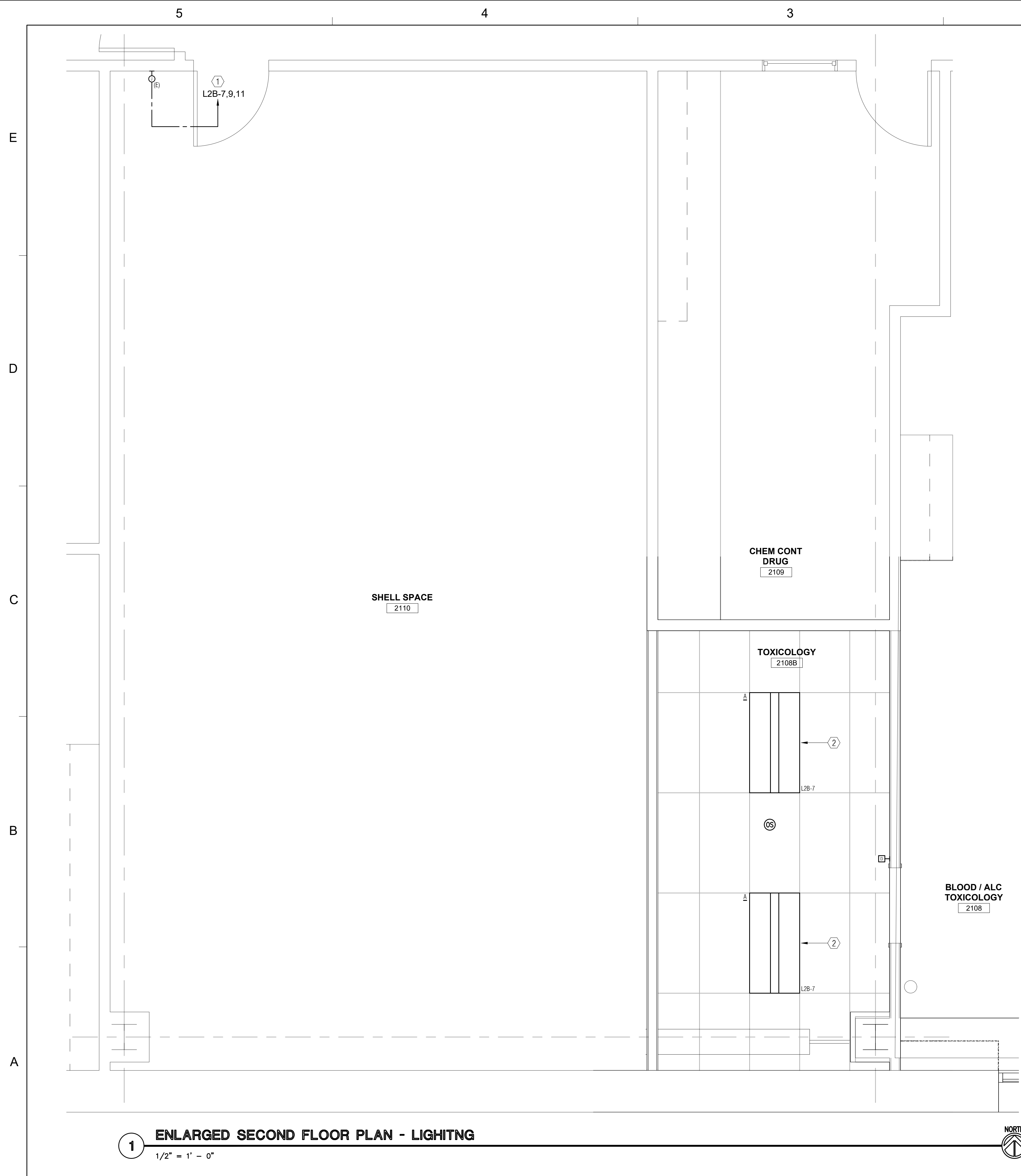
TITLE

OVERALL
SECOND FLOOR
PLAN - LIGHTING

PROJECT NO. 5013703

E101B

SHEET NO.



A

1



E101C

E

D

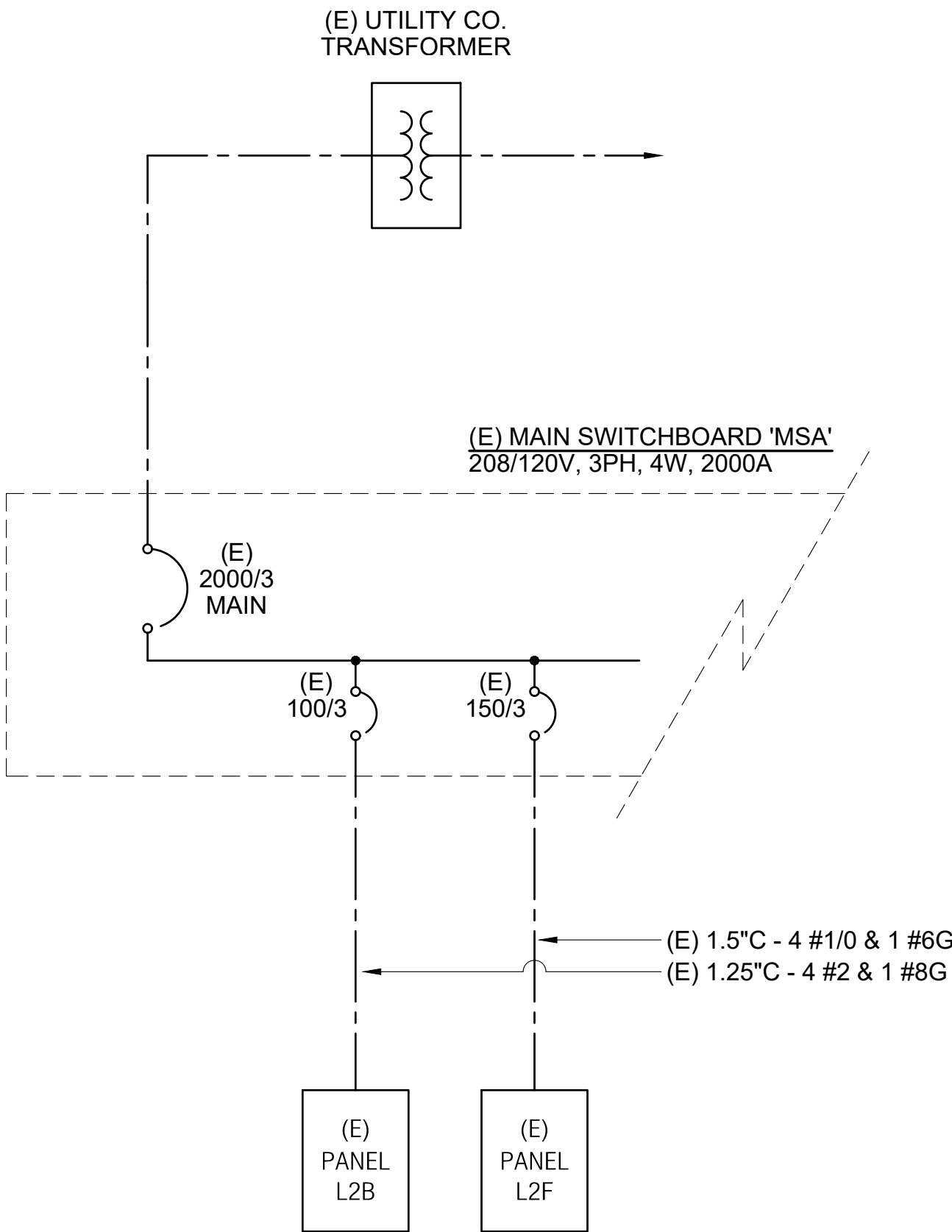
C

B

A

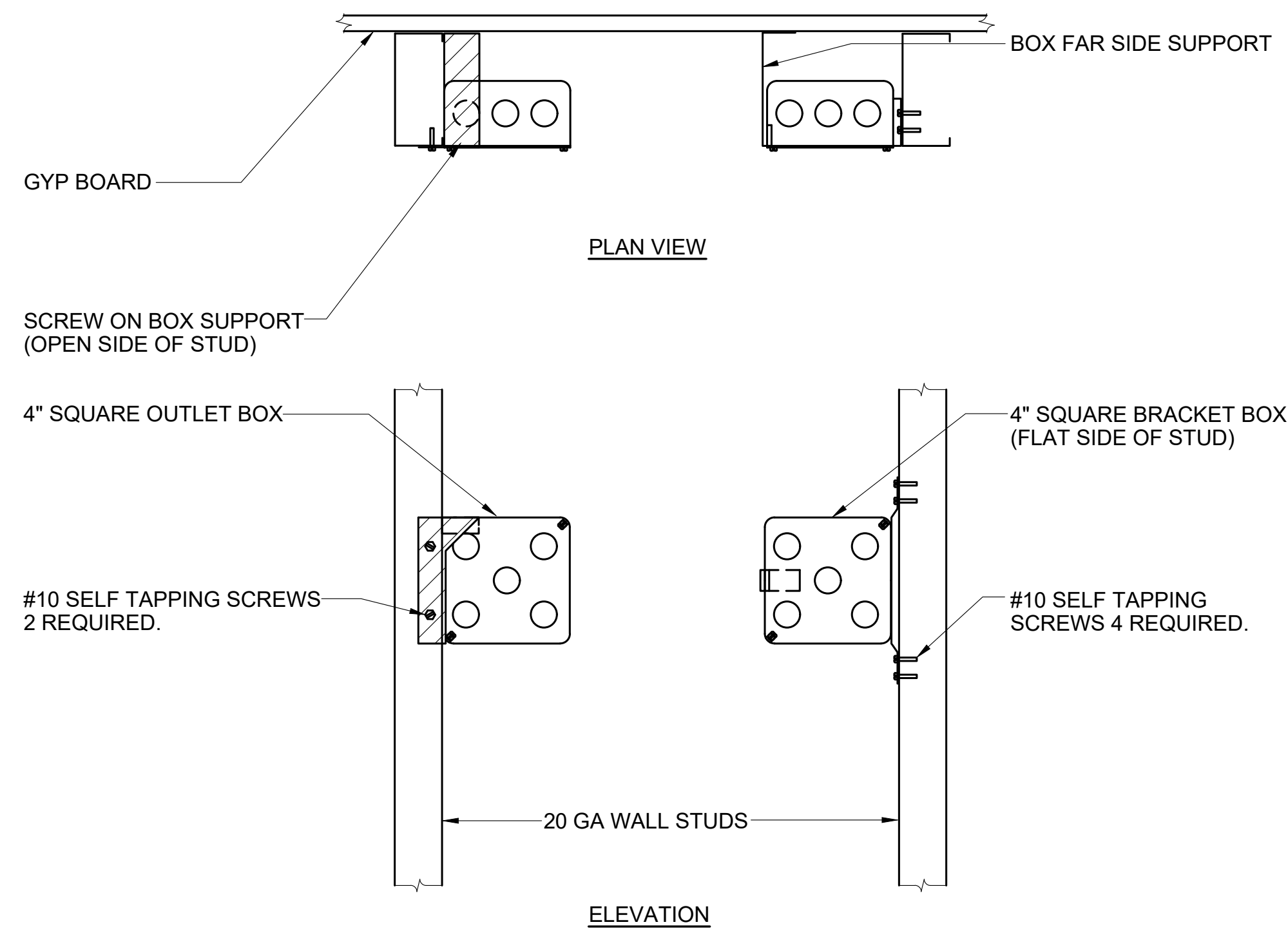
PARTIAL ONE LINE DIAGRAM

NO SCALE



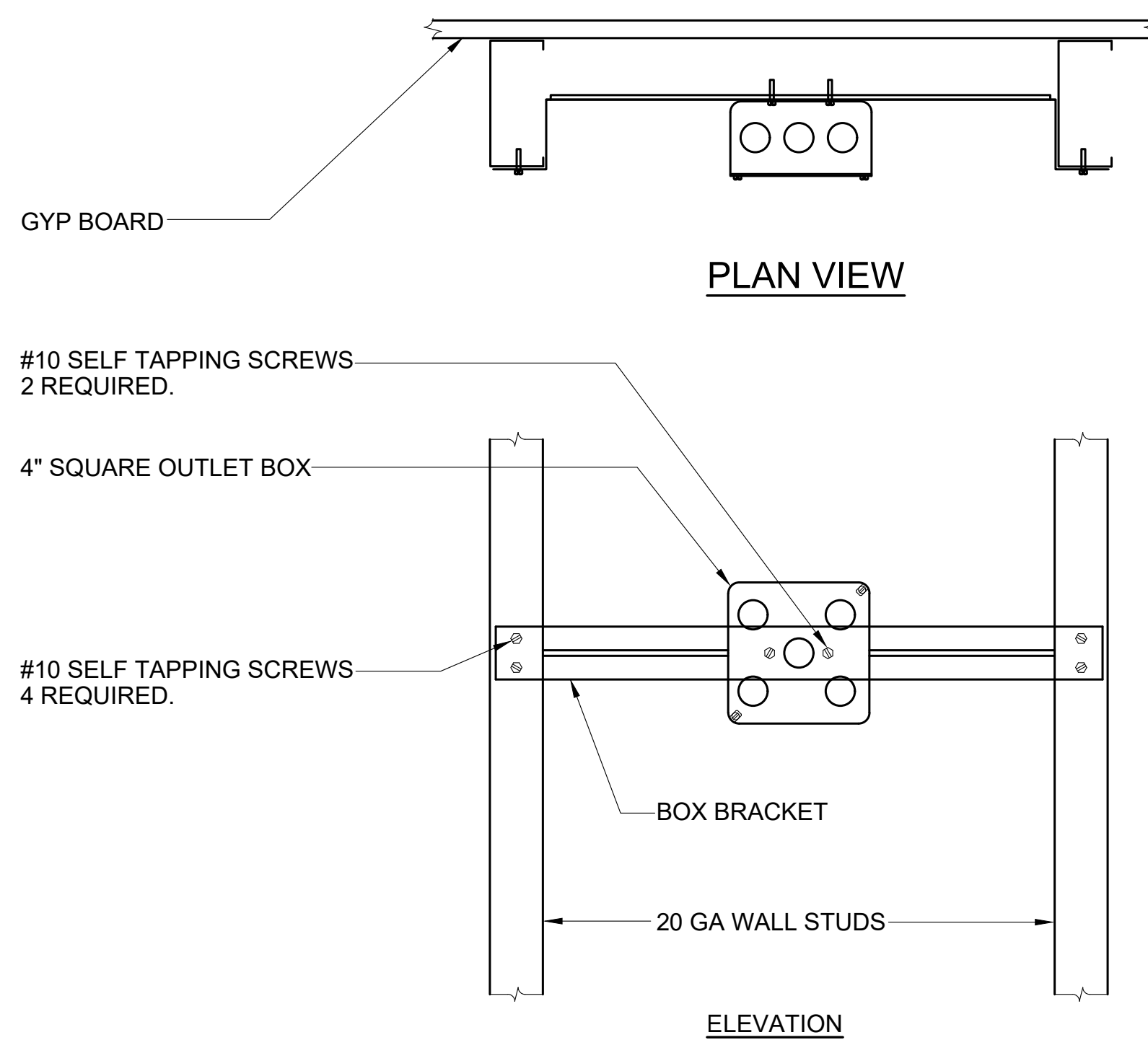
PROJECT: DA FORENSIC LAB EXPANSION										EXISTING											
PANEL - L2B																					
LOCATION: 2ND FLOOR ELECT RM																					
LOAD DESCRIPTION		KVA LOAD				C. B.		PKT		PH		C. B.		KVA LOAD				LOAD DESCRIPTION			
		CONT.	RECP.	MOTOR	NON	TRIP	POLE	#	A/B/C	#		TRIP	POLE	CONT.	RECP.	MOTOR	NON				
1	EMERG/EGRESS LTG	1.00				20	1	1	*	2	20	1	0.60					HALLWAYS, VESTIBULE	2		
3	EMERG/EGRESS LTG	1.10				20	1	3	*	4	20	1	0.60					HALLWAYS, VESTIBULE	4		
5	LCP-2A				0.20	20	1	5	*	6	20	1	0.50					OFFICES	6		
7	FORENSIC LAB LTG (1)	0.12				20	1	7	*	8	20	1	0.50					OFFICES	8		
9	FUTURE FORENSIC LAB LTG					20	1	9	*	10	20	1	1.60					2100, 2103, 2108, 2107L	10		
11	FUTURE FORENSIC LAB LTG					20	1	11	*	12	20	1	1.20					2104, 2109, 2117, 2110	12		
13	ROOF LTG					20	1	13	*	14	20	1						SPARE	14		
15	SPARE					20	1	15	*	16	20	1	1.50					2204, 2205, 2212	16		
17	SPARE					20	1	17	*	18	20	1	1.40					2202, 03, 07, 00, 00A, 01	18		
19	SPARE					20	1	19	*	20	20	1	1.10					2221, 2222, 2223, 2223A	20		
21	SPARE					20	1	21	*	22	20	1	0.70					2210, 2212	22		
23	SPARE					20	1	23	*	24	20	1	1.50					PH LAB 2213, 2216, 2216A, 22	24		
25	SPARE					20	1	25	*	26	20	1	1.60					PH LAB 2213, 2216, 2216A, 22	26		
27	SPARE					20	1	27	*	28	20	1	0.80					RESTRMS, IDF, MECH RM, JAN	28		
29	SPARE					20	1	29	*	30	20	1						SPARE	30		
31	SPACE							31	*	32	20	1						SPARE	32		
33	SPACE							33	*	34	20	1						SPARE	34		
35	SPACE							35	*	36	20	1						SPARE	36		
37	SPACE							37	*	38	20	1						SPARE	38		
39	SPACE							39	*	40	20	1						SPARE	40		
41	SPACE							41	*	42	20	1						SPARE	42		
TOTALS ----->		2.22	0.00		0.00	0.20							13.60	0.00	0.00	0.00	<----->	TOTALS			
LOAD SUMMATION										ADDITIONAL FEATURES:											
VOLTAGE: 120/208V, 3 PH, 4W AIC: 22,000 MOUNTING: SURFACE BUSING: 225 AMP BUSING MAIN MAIN LUGS ONLY		CONNECT		DEMAND		DEMAND															
		LOAD (KVA)		FACTOR		LOAD (KVA)															
		15.82		x		125% OF LOAD		= 19.77		<-- CONTINUOUS											
		0.00		x		CEC DEMAND		= 0.00		<-- RECEPTACLES											
		0.20		x		1.00		= 0.00		<-- MOTORS+25% LARGEST											
		0.20		x		1.00		= 0.20		<-- NONCONTINUOUS											
		-----		-----		-----															
		16.02		kVA		44.49		Amps		19.97		kVA		55.47		Amps					

PROJECT: DA FORENSIC LAB EXPANSION										EXISTING																			
PANEL - L2F																													
LOCATION: 2ND FLOOR LAB 2108		KVA LOAD				C. B.		PKT		PH		C. B.		KVA LOAD															
LOAD DESCRIPTION		CONT.	RECP.	MOTOR	NON	TRIP	POLE	#	A/B/C	#		TRIP	POLE	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION											
1	2108C GC/MS	0.50				20	1	1	*	2	20	1	0.40					2108C COUNTER RECEPTS	2										
3	2108 COUNTER RECEPTS	1.40				20	1	3	*	4	20	1	0.90					2108C REAG REF	4										
5	2108 COUNTER RECEPTS	0.50				20	1	5	*	6	20	1	1.30					2108C FRZR STAND	6										
7	2108 COUNTER RECEPTS	0.50				20	1	7	*	8	20	1	0.90					2108B EVID REF	8										
9	2108 COUNTER RECEPTS	0.50				20	1	9	*	10	20	1	1.40					2108 BID HOOD	10										
11	2108 COUNTER RECEPTS	0.50				20	1	11	*	12	20	1	1.40					2108B GC/FID	12										
13	2109 GC/MS	1.40				20	1	13	*	14	20	1	0.70					2109 UC REF	14										
15	2108 BID HOOD	1.40				20	1	15	*	16	20	1	0.70					2109 COUNTER RECPTS	16										
17	2108 BID HOOD	1.40				20	1	17	*	18	20	1	0.70					2109 COUNTER RECPTS	18										
19	2108 PU-L1	0.50				20	1	19	*	20	20	1	1.44					2109 COUNTER RECEPTS	20										
21	EXISTING LOAD	1.00				20	2	21	*	22	20	1		0.69				BOOSTER FAN	22										
---	---	1.00				---	---	---	---	---	---	---	---				0.66		---										
25	EXISTING LOAD	1.00				20	2	25	*	26	20	3					0.66		TOXICOLOGY RECEPT. (2)										
---	---	1.00				---	---	---	---	---	---	---	---					0.66											
29	TOXICOLOGY FUME HOOD (1)				0.25	20	1	29	*	---	---	---	---					0.66											
31	TOXICOLOGY RECEPT. (1)				0.90	20	1	31	*	32	20	3					0.66		TOXICOLOGY RECEPT. (2)										
33	SPARE					20	1	33	*	---	---	---	---					0.60											
35	SPARE					20	1	35	*	36	20	1	0.72						TOXICOLOGY RECEPT. (1)										
37	SPARE					20	1	37	*	38	20	1	0.18						TOXICOLOGY RECEPT. (1)										
39	SPARE					20	1	39	*	40	20	1	0.18						TOXICOLOGY RECEPT. (1)										
41	SPARE					20	1	41	*	42	20	1							SPARE										
TOTALS ----->		0.00	13.50	0.25	0.00	LOAD SUMMATION										0.00	10.92	0.69	3.90	<-----> TOTALS									
VOLTAGE: 120/208V, 3 PH, 4W AIC: 22,000 MOUNTING: SURFACE BUSING: 225 AMP BUSING MAIN: MAIN LUGS ONLY										CONNECTION DEMAND DEMAND LOAD (KVA) FACTOR LOAD (KVA)										ADDITIONAL FEATURES:									
										0.00 x 125% OF LOAD = 0.00 <-- CONTINUOUS																			
										0.94 x CEC DEMAND = 17.21 <-- RECEPTILES																			
										0.94 x 1.00 = 1.11 <-- MOTORS+25% LARGEST										BREAKER NOTES: (1) = EXISTING C/B, NEW LOAD. (2) = NEW C/B, NEW LOAD.									
										3.90 x 1.00 = 3.90 <-- NONCONTINUOUS										CEC 200.44 DEMAND: 1st 10 kVA AT 100%, REMAINING AT 50%. LARGEST MOTOR LOAD (kVA) = 0.69									
29.26 kVA 81.28 Amps 22.22 kVA 61.73 Amps																													



BOX SUPPORT (ON STUD)

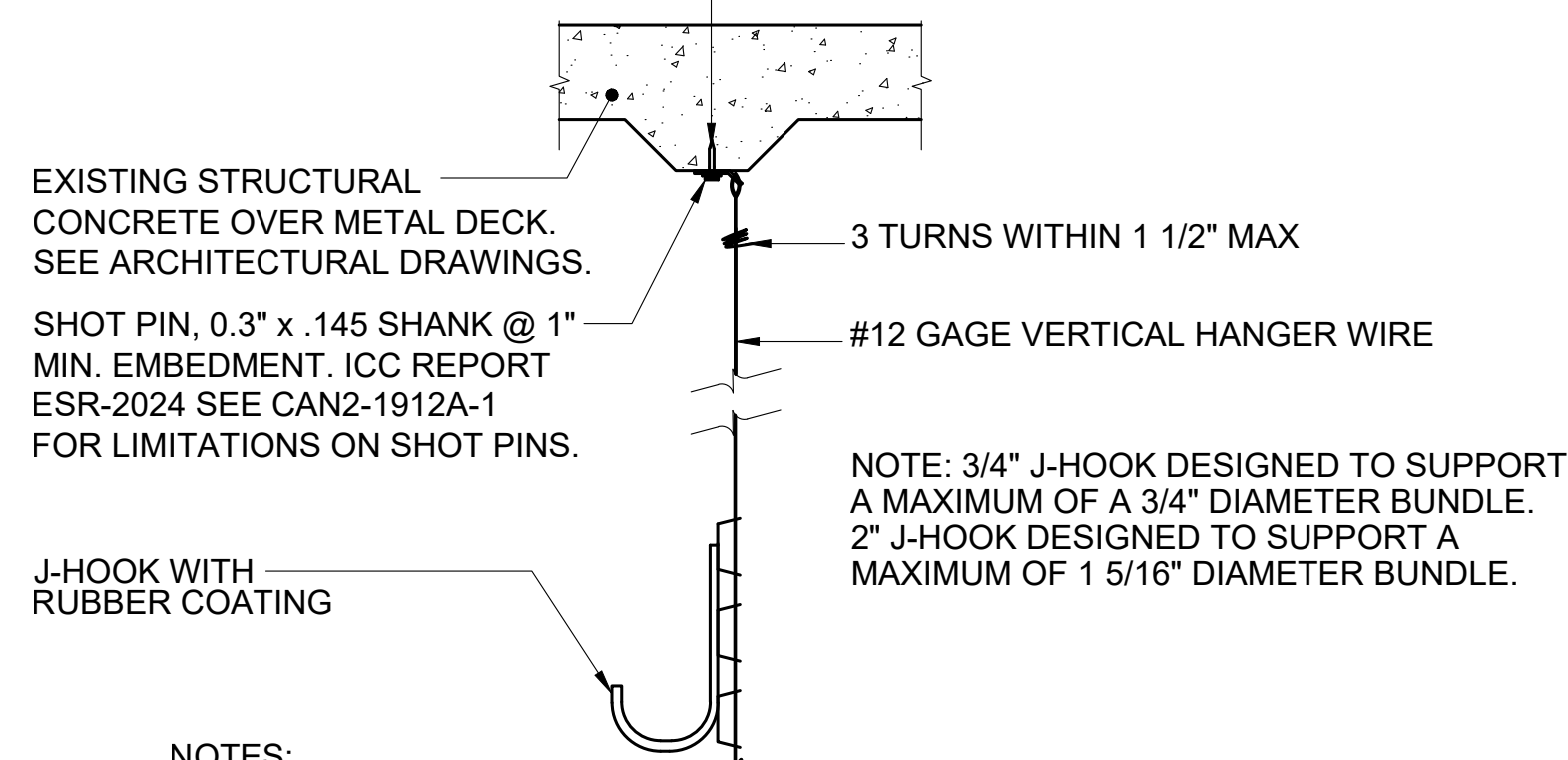
NO SCALE



BOX SUPPORT (BETWEEN STUDS)

NO SCALE

PERFORM PENETRATION TEST: START WITH THE LIGHTEST LOAD AVAILABLE, IF FASTENER DOES NOT COMPLETELY SET USE THE NEXT HIGHER LOAD AND REPEAT UNTIL PROPER PENETRATION IS ESTABLISHED. THE RECOMMENDED SHOT FOR THIS MATERIAL IS RAMSET #4 YELLOW .27 CALIBER.

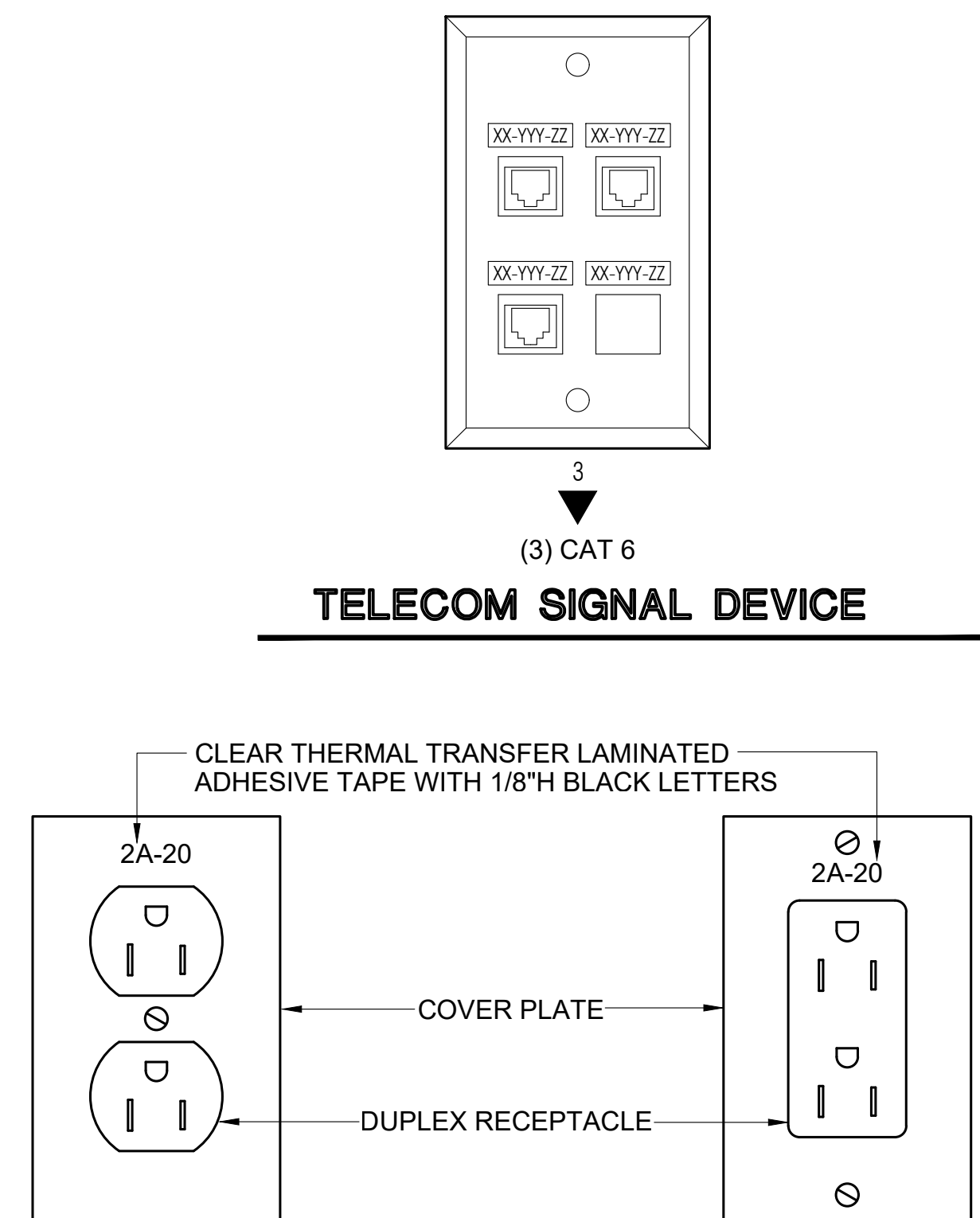


NOTES:

1. MAXIMUM WEIGHT PER HOOK SHALL BE 5 LBS PER FOOT.
2. SPACING BETWEEN J-HOOKS SHALL BE 48" ON CENTER MAXIMUM.

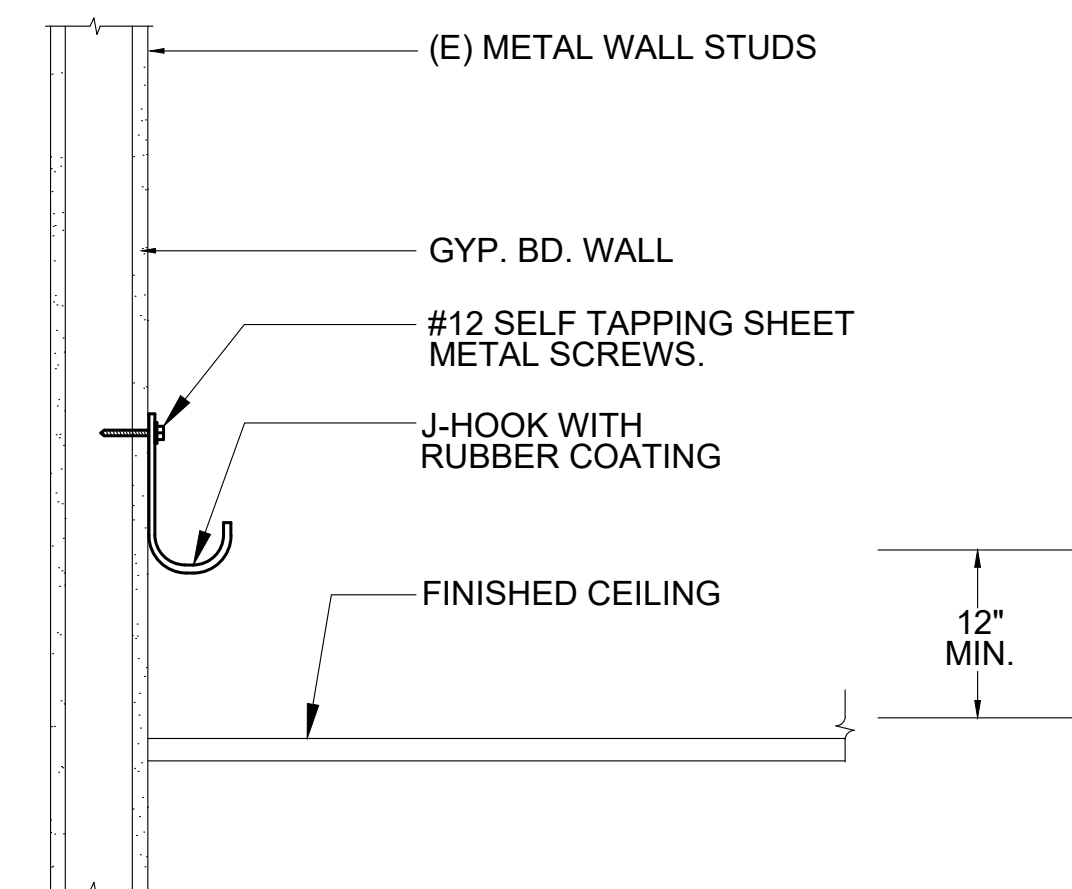
J-HOOK DETAIL TO PAN DECK WITH HILTI SHOT PIN

NO SCALE



OUTLET DESIGNATION DETAIL

NO SCALE

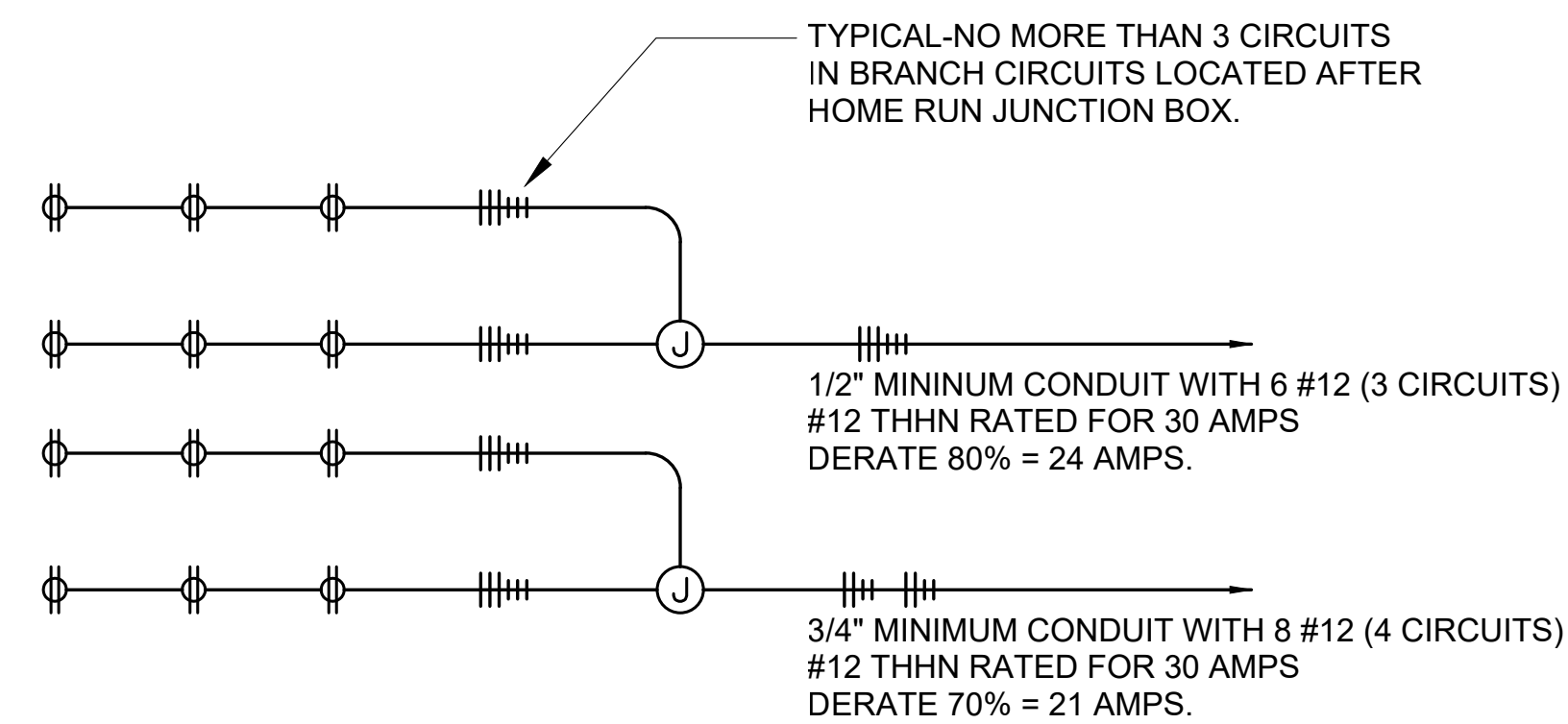


NOTES:

1. SPACING BETWEEN J-HOOKS SHALL BE 48" ON CENTER MAXIMUM.
2. MAXIMUM WEIGHT PER HOOK SHALL BE 5 LBS PER FOOT.

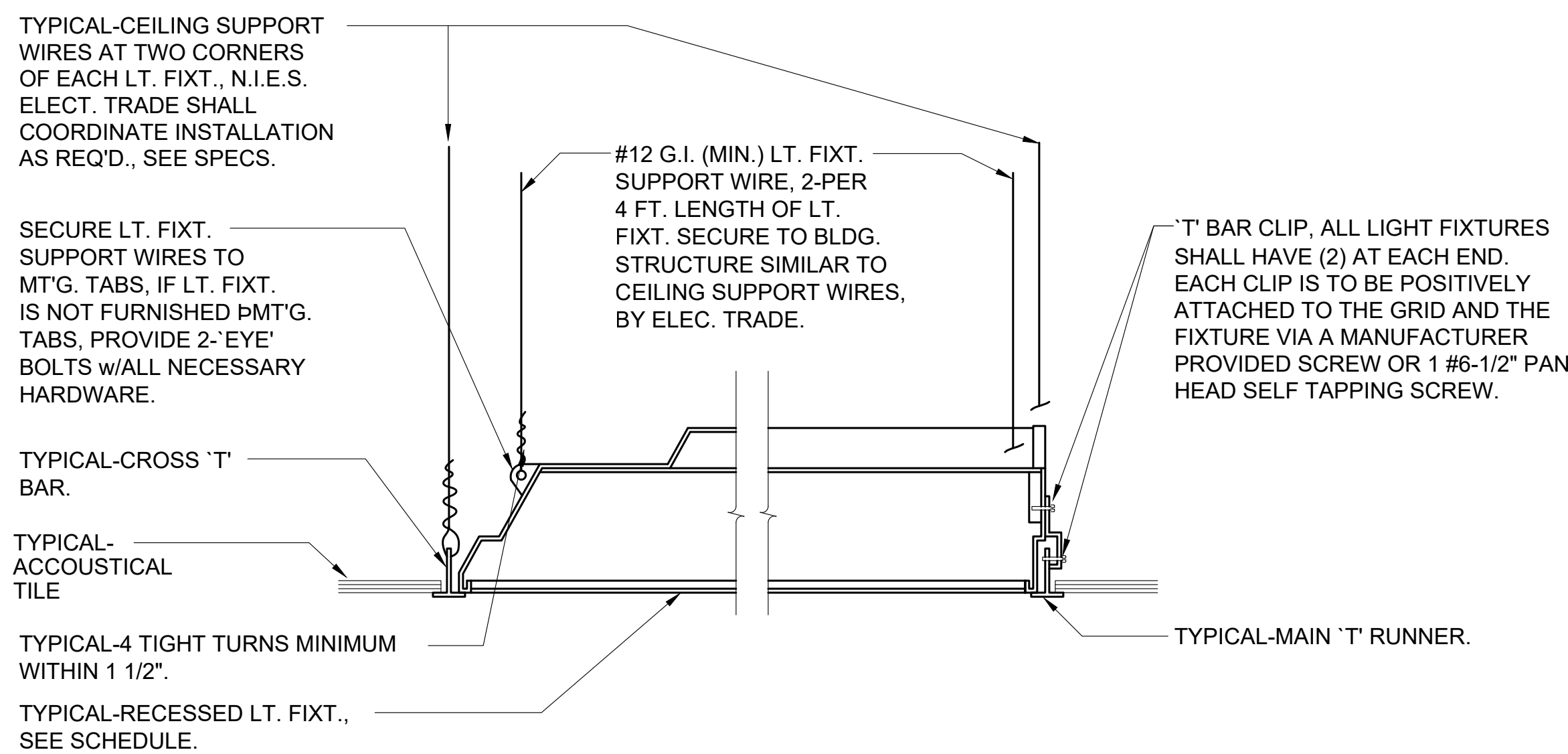
5 WALL-MOUNTED J-HOOK DETAIL FOR METAL STUD

NO SCALE



20 AMP SINGLE POLE BRANCH CIRCUIT WIRING DIAGRAM

NO SCALE



TYPICAL - RECESSED 'T' BAR LIGHT FIXTURE MOUNTING DETAIL

NO SCALE



DEWBERRY ARCHITECTS, INC.

1760 CREEKSIDE OAKS DRIVE
SUITE 200
SACRAMENTO, CA 95833
916.239.7254 Phone
000.000.0000 Fax

SOLANO COUNTY
SOLANO COUNTY DA FORENSIC LAB
TOXICOLOGY EXPANSION
2201 COURAGE DRIVE
2ND FLOOR DISTRICT ATTORNEY SUITE
FAIRFIELD, CA 94533
100% CONSTRUCTION DOCUMENTS

SEAL



KEY PLAN

SCALE

[illegible]

REVISIONS

DRAWN BY	ER
APPROVED BY	EN
CHECKED BY	TC
DATE	APRIL 05, 2022
TITLE	

DETAILS

PROJECT NO. 50137033

E300

SHEET NO.

ECOM
ENGINEERING

1455 RESPONSE ROAD, SUITE 140
SACRAMENTO, CA. 95815
916.641.5600
916.641.1640 FAX
WWW.ECOMENG.COM

JOB NO. **21-P170.00** PM. **MS**
DESIGNERS **ECOM**
DRAWN BY **ECOM**