GENERAL NOTES

- THE CONTRACT FOR CONSTRUCTION IS GOVERNED BY THE AIA GENERAL CONDITIONS FOR CONSTRUCTION, AS MODIFIED FOR tHIS CONTRACT.
- 2. THE CONTRACTOR SHALL PERFORM NO PORTION OF THE WORK AT ANY TIME WITHOUT A PERMIT ISSUED BY A REGULATORY AUTHORITY OF THE MUNICIPALITY IN WHICH THE PROJECT IS
- THE CONTRACTOR SHALL PERFORM NO PORTION OF THE WORK AT ANY TIME WITHOUT CONTRACT DOCUMENTS OR, WHERE REQUIRED, APPROVED SHOP DRAWINGS, PRODUCT DATA, OR SAMPLES FOR SUCH PORTION OF THE WORK.
- 4. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH ALL LAWS, CODES, ORDINANCES, RULES, AND REGULATIONS OF ALL GOVERNING AGENCIES.
- THE CONTRACTOR AND SUBCONTRACTORS SHALL PURCHASE AND MAINTAIN CERTIFICATIONS OF INSURANCE WITH RESPECT TO WORKERS COMPENSATION, PUBLIC LIABILITIES, AND PROPERTY DAMAGE FOR THE LIMITS REQUIRED BY LAW. CERTIFICATE SHALL NAME OWNER AS ADDITIONALLY INSURED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK.
- THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL REFRAIN FROM ACTIONS THAT COULD LEAD TO THE FILING OF A CLAIM OR LIEN AGAINST THE PROJECT BY SUB-CONTRACTORS OR SUPPLIERS OF MATERIALS, LABOR, SERVICE OR EQUIPMENT OR ANY OTHER INDIVIDUAL OR COMPANY SO ENTITLED UNDER GOVERNING LAWS AND REGULATIONS UNLESS HE CAN SHOW REASONABLE AND JUSTIFIABLE CAUSE. APPROVAL FOR FINAL PAYMENT SHALL BE CONTINGENT UPON THE CONTRACTOR'S OBTAINING AND FURNISHING 1 TO THE ARCHITECT SIGNED RELEASES FROM SUCH INDIVIDUALS OR COMPANIES.
- THE CONTRACTOR SHALL CONFINE OPERATIONS AT THE SITE TO AREAS PERMITTED BY LAW, ORDINANCES, PERMITS AND THE
- CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING CONTRACT DOCUMENTS, FIELD CONDITIONS, AND DIMENSIONS FOR ACCURACY AND FOR CONFIRMING THAT THE PROJECT IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH THE CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THESE OR OTHER COORDINATION QUESTIONS, THE CONTRACTOR SHALL SUBMIT THEM, IN WRITING TO THE ARCHITECT AND IS RESPONSIBLE FOR OBTAINING A WRITTEN CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK. CONTRACTOR SHALL USE THE PPA "R.F.I." FORM.
- 10. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED TO COMPLETE THE PROJECT UNLESS SPECIFIED OTHERWISE. IF PERMITS ARE OBTAINED BY OTHERS, CREDIT BACK
- 11. INFORMATION RELATED TO THE EXISTING CONDITIONS GIVEN HEREIN WAS OBTAINED FROM OWNER PROVIDED DOCUMENTATION AVAILABLE TO THE ARCHITECT AT THE TIME OF DESIGN. THE ACCURACY OF SUCH INFORMATION HAS NOT BEEN VERIFIED. DRAWINGS AND SPECIFICATIONS ARE INTENDED FOR ASSISTANCE AND GUIDANCE BUT EXACT DIMENSIONS AND ELEVATIONS SHALL BE GOVERNED BY ACTUAL CONDITIONS AT THE SITE AND SHALL BE CHECKED BY
- 12. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ARCHI-TECTURAL, STRUCTURAL, MECHANICAL, TELEPHONE, ELECTRICAL (INCLUDING LIGHTING), SECURITY, PLUMBING. AND SPRINKLER WORK SO AS TO ENSURE THAT REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE OF ALL EQUIPMENT ARE PROVIDED. WHERE CONFLICTS OCCUR, VERIFY WITH ARCHITECT BEFORE PROCEEDING.
- 13. WHEN PORTIONS OF THE PROJECT ARE PERFORMED BY THE CONTRACTOR ON A "DESIGN BUILD" BASIS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN OF SUCH SYSTEMS AND FOR THE COORDINATION OF THE DESIGN BUILD SUBCONTRACTORS, WHO SHALL BE THE ENGINEERS OF RECORD FOR SUCH SYSTEMS.
- 14. THE CONTRACTOR SHALL PREPARE, REVIEW, APPROVE, AND SUBMIT TO THE ARCHITECT ALL SHOP DRAWINGS. THE CONTRACTOR SHALL CHECK AND COORDINATE ALL PRODUCT DATA AND SAMPLES AND SHALL VERIFY THAT ALL MATERIALS, FIELD MEASUREMENTS, AND RELATED FIELD CONSTRUCTION CRITERIA CONTAINED WITHIN SUCH SUBMITTALS CONFORMS WITH THE REQUIREMENTS OF THE WORK, THE PROJECT, AND THE CONTRACT DOCUMENTS. USE G.C. "SUBMITTAL FORM". THE ARCHITECT WILL NOT REVIEW, APPROVE, OR TAKE OTHER APPROPRIATE ACTION ON SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES UNLESS THE CONTRACTOR HAS SUBMITTED A RECOMMENDATION FOR ACTION. SUBMIT SHOP DRAWINGS, MOCK-UPS SAMPLES, AND OTHER REQUIRED SUBMITTALS IN A TIMELY MANNER S AS NOT TO DELAY THE PROJECT. ALLOW THE ARCHITECT SUFFICIENT TIME TO REVIEW AND PROCESS ALL SUBMITTALS.
- 15. THERE SHALL BE NO SUBSTITUTIONS OF MATERIALS WHERE A MANUFACTURER IS SPECIFIED. WHERE THE TERM "OR APPROVED EQUAL" IS USED, THE ARCHITECT ALONE SHALL DETERMINE EQUALITY BASED UPON COMPLETE INFORMATION SUBMITTED BY THE CONTRACTOR. SUBSTITUTIONS SHALL NOT BE MADE UNLESS DRAWINGS AND/OR CUT SHEETS ARE SUBMITTED TO THE ARCHITECT FOR APPROVAL. USE STANDARD AIA DOCUMENT FOR "SUBSTITUTION"
- 16. CONTRACTOR SHALL COORDINATE THE WORK WITH THE OWNER AND BUILDING MANAGEMENT SO AS TO MINIMIZE OR ELIMINATE INTERFERENCE WITH ONGOING TENANT OPERATIONS
- 17. CONTRACTOR SHALL SCHEDULE AND PERFORM THE WORK DURING NORMAL WORKING HOURS UNLESS OTHERWISE APPROVED BY
- 18. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK REQUIRING ADDITIONAL COMPENSATION BEYOND THE CONTRACT AMOUNT WITHOUT WRITTEN AUTHORIZATION. FAILURE TO OBTAIN AUTHORIZATION BEFOREHAND WILL INVALIDATE ANY CLAIM FOR EXTRA
- 19. SHOULD ANY PORTION OF THE CONTRACT DOCUMENTS PROVE TO BE, FOR WHATEVER REASONS, UNENFORCEABLE, SUCH UNENFORCEABILITY SHALL NOT EXTEND TO THE REMAINDER OF THE CONTRACT NOR SHALL IT VOID ANY OTHER PROVISIONS OF THE CONTRACT.
- 20. THE CONTRACTOR SHALL PREPARE AND SUBMIT A CONSTRUCTION SCHEDULE FOR THE WORK GIVING APPROXIMATE ON—SITE DELIVERY DATES FOR CONSTRUCTION MATERIALS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND OWNER OF ANY POSSIBLE CONSTRUCTION DELAYS AFFECTING OCCUPANCY THAT MAY ARISE DUE TO THE LACK OF AVAILABILITY OF A SPECIFIED PRODUCT.
- 21. SHOP AND FIELD WORK SHALL BE PERFORMED BY MECHANICS, CRAFTSMEN, AND WORKERS SKILLED AND EXPERIENCED IN THE FABRICATION AND INSTALLATION OF THE WORK INVOLVED. WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE BEST, ESTABLISHED PRACTICE OF THE INDUSTRY STANDARD FOR THE
- 22. ALL FURNISHED MATERIALS SHALL BE NEW, UNUSED AND OF THE HIGHEST QUALITY IN EVERY RESPECT (U.O.N.).
- 23. NO WORK DEFECTIVE IN CONSTRUCTION OR QUALITY OR DEFICIENT IN ANY REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL BE ACCEPTABLE DESPITE THE ARCHITECT'S FAILURE TO DISCOVER OR POINT OUT DEFECTS OR DEFICIENCIES DURING CONSTRUCTION. DEFECTIVE WORK REVEALED WITHIN THE TIME REQUIRED BY GUARANTEES SHALL BE REPLACED BY WORK CONFORMING WITH THE INTENT OF THE CONTRACT. NO PAYMENT EITHER PARTIAL OR FINAL, SHALL BE CONSTRUED AS AN ACCEPTANCE OF DEFECTIVE WORK OR IMPROPER MATERIALS

- UPON COMPLETION OF THE WORK OR SHORTLY BEFORE, THE CONTRACTOR SHALL DIRECT THE ARCHITECT TO PREPARE A "PUNCH LIST" OF CORRECTIONS AND UNSATISFACTORY AND/OR INCOMPLETE WORK. FINAL PAYMENT SHALL BE CONTINGENT UPON THE COMPLETION OF THESE ITEMS UNDER THE TERMS OF THE OWNER/CONTRACTOR AGREEMENT.
- CONTRACTOR SHALL INSTALL PRODUCTS AND APPLY FINISHES IN ACCORDANCE WITH MANUFACTURERS' WRITTEN INSTRUCTIONS AND SPECIFICATIONS, UNLESS DIRECTED OTHERWISE BY ARCHITECT.
- 26. ALL INSTALLED PLUMBING, MECHANICAL AND ELECTRICAL EQUIPMENT SHALL OPERATE QUIETLY, SMOOTHLY AND FREE OF VIBRATION. SEE MANUFACTURER'S RECOMMENDATIONS FOR ACOUSTICALLY SOUND CONSTRUCTION METHODS.
- 27. ALL NEW CONSTRUCTION SHALL MATCH THE ESTABLISHED EXISTING BUILDING STANDARD UNLESS OTHERWISE NOTED.
- FIRE AND LIFE SAFETY SYSTEMS ALTERATION IS DESIGN BUILD. SEE ALSO OWNER WORK PERTAINING TO THIS SPACE AS

NOTED WITHIN, OR IN RELATED N.I.C. DOCUMENTS.

- 29. FLOOR SURFACES SHALL BE SLIP-RESISTANT
- 30. EVERY CORRIDOR AND AISLE SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE NOT LESS THAN 44" IN WIDTH.
- 31. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2" IN HEIGHT. LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL. BEVEL OTHERS WITH A SLOPE NO GREATER THAN 1:2.
- .32. THE AUTOMATIC FIRE SPRINKLER SYSTEM MODIFICATIONS TO BE A DEFERRED APPROVAL.
- AT ALL APPLICABLE DETAILS THRUUGHOUT THE PLAN SET. ALL WOOD BLOCKING SHALL BE FRT. PER CBC 603.

_	<u>/2\</u>	ALL WOOD BLOCKING SHALL BE THE FER CBC 605.
	(E)	EXISTING
-	(N)	NEW
	&	AND
	@	AT
	Q.	CENTER LINE
	ACT	ACOUSTICAL CEILING TILE
	ADA	AMERICAN DISABILITIES ACT
	AFF	ABOVE FINISH FLOOR
	AV	AUDIO VISUAL
		CALIFORNIA DINI DINIO CODE

- CBC CALIFORNIA BUILDING CODE C.C. CENTER TO CENTER CLG CEILING CLR CLEAR(ANCE)
- CFCI CONTRACTOR FURNISHED CONTRACTOR INSTALLED CFOI CONTRACTOR FURNISHED OWNER INSTALLED CONF CONFERENCE
- CTR CENTER DET DETAIL DIAMETER DOOR
- **ELEVATION** ELECTRIC(AL) EPA EAST PALO ALTO EQ EQUAL

VICINITY MAP

THE WILLOWS

FIRE EXTINGUISHER

ABBREVIATIONS

FIRE EXTINGUISHER CABINET

FIN FINISH(ED) FIXT FIXTURE FLR FLOOR GBC GYPSUM BOARD CEILING GLASS

GLAZING GYB-BD GYPSUM BOARD ΗT HEIGHT INSULATE(D), (ION)

INSUL INTERIOR MAXMAXIMUM MECH MECHANICAL MIN MINIMUM MTD MOUNTED

FEC

 MTL METAL N.I.C. NOT IN CONTRACT N.T.S. NOT TO SCALE ON CENTER

OFCI OWNER FURNISHED CONTRACTOR INSTALLED OFOI OWNER FURNISHED OWNER INSTALLED

PLATF. PLATFORM PLYWD PLYWOOD

RCP REFLECTED CEILING PLAN REF REFERENCE RESTRM RESTROOM

RMROOM SAD SEE ARCHITECTURAL DRAWINGS SCHED SCHEDULE

SED SEE ELECTRICAL DRAWINGS SID SEE INTERIOR DRAWING SIM SIMILAR

SFPD SEE FIRE SPRINKLER DRAWINGS SMD SEE MECHANICAL DRAWINGS SPLD SEE PLUMBING DRAWINGS SSD SEE STRUCTURAL DRAWINGS

SST STAINLESS STEEL STAD SEE AV DRAWINGS STL STEEL STOR STORAGE

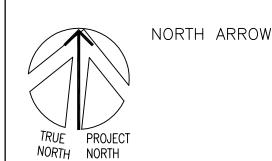
TOP OF

TYP **TYPICAL** V.I.F. VERIFY IN FIELD UNLESS OTHERWISE NOTED U.O.N.

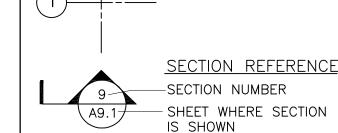
WITH WOOD WITHOUT

T.O.

SYMBOLS



COLUMN REFERENCE

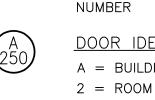


GRIDS

INTERIOR ELEVATION(S) -ELEVATION NUMBER -ELEVATION IDENTIFICATION -SHEET WHERE ELEVATION IS SHOWN

DETAIL REFERENCE -DETAIL NUMBER - SHEET WHERE DETAIL ∖ A9.1/ IS SHOWN ROOM IDENTIFICATION

(N) OFFICE — ROOM NAME -ROOM NUMBER 109 A.05 — -INTERIOR ELEVATION DRAWING NUMBER -ELEVATION IDENTITY



DOOR IDENTIFICATION A = BUILDING DESIGNATION 2 = ROOM NUMBER50 = DOOR NUMBER

LEVEL LINE. CONTROL POINT



SHEET KEYNOTE

-LEVEL NUMBER



MODULAR INSTALLATION INSTRUCTION START POINT AND

DIRECTION OF INSTALLATION

REVISION IDENTIFICATION

SCOPE OF WORK GOVERNING AGENCIES

INTERIOR TENANT IMPROVEMENT TO THE CITY OF EPA COUNCIL CHAMBERS AND POLICE EVIDENCE ROOM. SCOPE INCLUDES MODERNIZATION OF MEP SYSTEMS. LAYOUT AND FURNISHINGS, AS WELL AS UPGRADES

FOR ADA COMPLIANCE. POLICE EVIDENCE ROOM WILL BE RECONFIGURED TO SERVE AS FLEXIBLE OFFICE SPACE AND MEETING ROOMS.

Cesar Chavez

Three Brothers Taco

ewis and Joan Platt East

Four Seasons Hotel

Amazon 💽

Silicon Valley at East...

Palo Alto Family YMCA

Ravenswood Middle...

Jack Farrell

2415 University Ave,

Takeout · Delivery

Pal Market

AutoZone Auto Parts

n P SJC18 Amazon

Green St

East Palo Alto

East Palo Alto, CA 943

CITY OF EAST PALO ALTO BUIDING PERMIT CENTER 1960 TATE STREET EAST PALO ALTO, CA 94303

COUNTY OF SAN MATEO 400 COUNTY CENTER REDWOOD CITY, CA 94063

PROJECT DATA

<u>. Project address:</u>

EAST PALO ALTO, CA 94303

A. CONSTRUCTION TYPE: 1B

2. BUILDING DESCRIPTION::

COUNCIL CHAMBERS - A3 - 199

POLICE EVIDENCE - B - 20

B. OCCUPANCY CLASSIFICATION: Occupant Load Max.

219

2415 UNIVERSITY AVENUE

TEL: 650-853-3189

GOVERNING CODES

- 2022 CALIFORNIA BUILDING CODE 2022 CALIFORNIA MECHANICAL CODE - 2022 CALIFORNIA PLUMBING CODE

- 2022 CALIFORNIA ELECTRICAL CODE 2022 CALIFORNIA ENERGY CODE

- 2022 CALIFORNIA ADA COMPLIANCE - 2022 CALIFORNIA GREEN BUILDING CODE 1

- 2022 CALIFORNIA FIRE CODE A 1 - PALO ALTO MUNICIPAL CODE /1

3 STORIES C. NO. OF FLOORS: D. NO. OF BASEMENT FLOORS: NONE E. NO. OF PARKING LEVELS: NONE F. ATOMATIC SPRINKLER: YES

YES G. LIFE SAFETY SYSTEM: H. PROJECT AREA: COUNCIL CHAMBERS 3,100 SF 2,230 SF POLICE EVIDENCE: 5,330 SF TOTAL:

PROJECT TEAM

TOTAL:

CITY OF EAST PALO ALTO Humza Javed, PE, City Engineer Phone: 650-853-3130 Email: hjaved@cityofepa.org

ARCHITECT OF RECORD: Powell and Partners Architects Fred Powell, FAIA/NOMA President Andrea Powell, Vice President Phone: 510-663-3800 Cell AP: 415-412-6481 Email: apowell@powellarchs.com

STRUCTURAL ENGINEER: ELECTRICAL ENGINEER: Structus, Inc. Natron Resources, Inc. Jeffrey H. Ansley, PE/President Peter Yu, SE, CE./Principal Phone: 510-847-9041 Phone: 415-399-1710 Email: jeff@natronresources.com Email: peter@structusinc.com

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group John Chou, PE-CA, III, LEED AP, CEPE, Principal Phone: 510-569-2000 Ext. 2 Email: john@hm-mechanical.com

LEGEND, ABBREVIATIONS & FIXTURE SCHEDULE /1 E1.00 E1.01 DETAILS E2.00 (E) OVERALL FIRST FLOOR BUILDING PLAN

E2.02 (E) EPA POLICE EVIDENCE RM ELECTRICAL DEMO PLAN

(N) OFFICE SPACE ELECTRICAL PLAN (N) OFFICE SPACE LIGHTING PLAN E2.12 (N) OFFICE SPACE LIGHTING PLAN E3.12 BUILDING COMPLIANCE FORMS-INDOOR LIGHTING BUILDING COMPLIANCE FORMS-INDOOR LIGHTING

DRAWING INDEX

PROJECT DATA, GENERAL NOTES, DRAWING INDEX /1

CALIFORNIA GREEN BUILDING CODE, SHEET 1

CALIFORNIA GREEN BUILDING CODE, SHEET 2

CALIFORNIA GREEN BUILDING CODE, SHEET 3

(E) EPA POLICE EVIDENCE RM DEMO_FLOOR PLAN

(N) INT ELEVATIONS, OPEN OFFICE, RECEPTION & WAITING AREA

(N) (N) INT ELEVATIONS, ENLARGED PLANS & RCP, OFFICE SPACE

(N) INT ELEVATIONS, ENLARGED PLANS & RCP, COPY RM & (E) PR OFFICE

(N) INT ELEVATIONS, ENLARGED PLAN & RCP, FOCUS RM & PR∧OFFICE

(N) MOUNTING HEIGHT & SPECIALTY SCHEDULE, ADA CLEARANCES /1

GENERAL NOTES, SHEET INDEX & ABBREVIATIONS /1

EPA POLICE EVIDENCE RM MECHANICAL DEMO PLAN

PLUMBING GENERAL NOTES, LEGEND AND SCHEDULES.

(E) EPA POLICE EVIDENCE RM PLUMBING DEMO PLANS

(N) EPA POLICE EVIDENCE RM PLUMBING FLOOR PLAN

(N) INT ELEVATIONS, ENLARGED PLAN & RCP, KITCHENETTE /1

(N) INT ELEVATIONS, ENLARGED PLAN & RCP, PR & SHOWER

(N) INTERIOR SECTIONS & DETAILS, (N) SITE DETAILS /1

(N) DOOR & FRAME SCHEDULE, FINISH SCHEDULE /1

(N) OFFICE SPACE FURNITURE PLAN /1

(N) OFFICE SPACE FLOOR PLAN /1\

MECHANICAL SCHEDULE AND DETAIL

M2.12 (N) OFFICE MECHANICAL FLOOR PLAN/1

MECHANICAL GENERAL NOTES AND LEGEND

(E) OVERALL SITE PLAN /1

(E) OVERALL DEMO FLOOR PLAN

(N) OFFICE SPACE FLOOR PLAN

(N) RECEPTION DESK DETAILS

(N) INTERIOR CEILING DETAILS

(N) DOOR & WINDOW DETAILS

(N) INTERIOR DETAILS

(N) WINDOW DETAILS

(N) WINDOW SCHEDULE

TYPICAL DETAILS

TYPICAL DETAILS I

TYPICAL DETAILS III

SECTIONS AND DETAILS

(N) INT WALL TYPES & DETAILS ,

(N) SIGNAGE DETAILS & SCHEDULE /1

(N) OVERALL EGRESS FLOOR PLAN

(E) EPA POLICE EVIDENCEARM DEMO RCP

(N) EPA POLICE EVIDENCE RM RCP / 1

(N) OVERALL SITE PLAN

(N) OVERALL FLOOR PLAN

(E) DEMO OVERALL RCP

(N) OVERALL RCP

ARCHITECTURAL DRAWINGS

A0.01

A0.02

A0.03

A0.04

A1.10

A1.12

A2.00

A2.02

A2.10

A2.12

A2.13

A3.00

A3.02

A3.10

A3.12

A5.02

A5.03

A5.04

A5.05

A5.06

A5.07

A5.09

A8.01

A8.02

A8.03

A8.04

A8.05

A8.06

A8.07

80.8A

A10.01

S1.01

S1.02

S1.03

S1.04

S2.12

MO.01

M0.02

INTERIORS DRAWINGS

STRUCTURAL DRAWINGS

MECHANICAL DRAWINGS

PLUMBING DRAWINGS

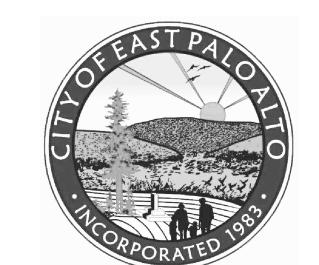
ELECTRICAL DRAWINGS

ROOM NAME

ROOM OFFICES LOAD FACTORS

OCCUPANT LOAD SQUARE NIIMBER FOOTAGE LOAD

ROOM NAME	NUMBER	FOOTAGE	LOAD	FACTOR
1. (N) COPIER &	4.0.0	70.0	_	
STORAGE ROOM	100	79.2	5	15
2. (E) PRIVET OFFICE	101	92.6	1	150
3. (E) PRIVET OFFICE	102	101.3	1	150
4. (E) SERVER ROOM	103	92.3	6	15
5. (N) PRIVET OFFICE	104	96.5	1	150
6. (N) PRIVET OFFICE	105	96.4	1	150
7. (N) LARGE				
CONFERENCEVROOM	106	132.2	9	15
8. (N) FOCUS ROOM	107	33.9	1	150
9. (N) FOCUS ROOM	108	27.7	1	150
10. (N) OPEN OFFICE	109	831.4	6	150
11. (N) RECEPT & WAITING				
`AREA	110	85.0	6	15
12. (N) MEN'S RESTROOM				
& SHOWER	111	76.6	5	15
13. (N) WOOMEN'S				
RESTROOM & SHOWER	112	77.7	5	15
14. (E) ELECTRICAL ROOM	113	49.9	3	15
15. (N) KITCHENETT	114	64.9	4	15
16. (N) ELECTRICAL ROOM	115	176.3	12	15
17. (N) CORRIDOR	116	113.6	_	0
1	I		I	l



1960 Tate Street East Palo Alto, CA 94303

POWELL PARTNERS ARCHITECTS

A CALIFORNIA CORPORATION

311 Oak Street, # 331 Oakland, CA 94607 Phone: (510) 912-8386

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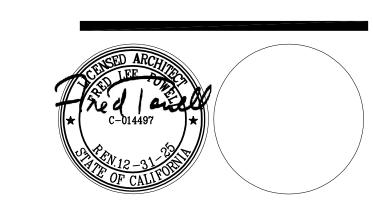
<u> CONSULTANTS:</u>

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc





CONSULTANT: 02/12/24 BLDG DEPARTMENT REVISIONS 10/06/23 BLDG DEPARTMENT $\frac{1}{1}$ REVISIONS 04/28/23 100% BLDG PERMIT SET

PROJECT

REVISIONS:

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

PROJECT DATA, **GENERAL NOTES,** DRAWING INDEX

SCALE AS NOTED

CHECKED FP

J□B N□, **201806.01** SHEET NO. 02/2023 DATE DRAWN

A0.01

NAME: 201806.01/145CADD/A_ARCH/SHTS

California 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2023)

CHAPTER 3 GREEN BUILDING SECTION 301 GENERAL

301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.

301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG] The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of \$200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the

constructed buildings [N] or to additions and/or alterations [A]. When the code section applies to both, no

A code section will be designated by a banner to indicate where the code section only applies to newly

301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only: Note: On and after January 1, 2014, certain commercial real property, as defined in Civil Code Section 1101.3, shall have its noncompliant plumbing fixtures replaced with appropriate water-conserving plumbing fixtures under specific circumstances. See Civil Code Section 1101.1 et seg. for definitions. types of commercial real property affected, effective dates, circumstances necessitating replacement of noncompliant plumbing fixtures, and duties and responsibilities for

301.3.2 Waste Diversion. The requirements of Section 5.408 shall be required for additions and alterations whenever a permit is required for work.

301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC)

301.5 HEALTH FACILITIES. (see GBSC) **SECTION 302 MIXED OCCUPANCY BUILDINGS**

302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.

SECTION 303 PHASED PROJECTS

303.1 PHASED PROJECTS. For shell buildings and others constructed for future tenant improvements, only those code measures relevant to the building components and systems considered to be new construction (or newly constructed) shall apply.

303.1.1 Initial Tenant Improvements. The provisions of this code shall apply only to the initial tenant improvements to a project. Subsequent tenant improvements shall comply with the scoping provisions in Section 301.3 non-residential additions and alterations.

ABBREVIATION DEFINITIONS:

Department of Housing and Community Development California Building Standards Commission Division of the State Architect, Structural Safety OSHPD Office of Statewide Health Planning and Development

Additions and Alterations

CHAPTER 5 NONRESIDENTIAL MANDATORY MEASURES

DIVISION 5.1 PLANNING AND DESIGN

SECTION 5.101 GENERAL

5.101.1 SCOPE The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the

SECTION 5.102 DEFINITIONS

5.102.1 DEFINITIONS The following terms are defined in Chapter 2 (and are included here for reference)

CUTOFF LUMINAIRES. Luminaires whose light distribution is such that the candela per 1000 lamp lumens does not umerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 30 degrees above nadir. This applies to all lateral angles around the luminaire.

LOW-EMITTING AND FUEL EFFICIENT VEHICLES.

Eligible vehicles are limited to the following: 1. Zero emission vehicle (ZEV), enhanced advanced technology PZEV (enhanced AT ZEV) or transitional zero emission vehicles (TZEV) regulated under CCR, Title 13, Section 1962.

2. High-efficiency vehicles, regulated by U.S. EPA, bearing a fuel economy and greenhouse gas rating od 9 oe 10 as regulated under 40 CFR Section 600 Subpart D.

NEIGHBORHOOD ELECTRIC VEHICLE (NEV). A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to TENANT-OCCUPANTS. Building occupants who inhabit a building during its normal hours of operation as permanent

occupants, such as employees, as distinguished from customers and other transient visitors. VANPOOL VEHICLE. Eligible vehicles are limited to any motor vehicle, other than a motortruck or truck tractor,

designed for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used primarily for the nonprofit work-related transportation of adults for the purpose of ridesharing.

Note: Source: Vehicle Code, Division 1, Section 668

ZEV. Any vehicle certified to zero-emission standards.

SECTION 5.106 SITE DEVELOPMENT

5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND. Newly constructed projects and additions which disturb less than one acre of land, and are not part of a larger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:

5.106.1.1 Local ordinance. Comply with a lawfully enacted storm water management and/or erosion control

5.106.1.2 Best Management Practices (BMPs). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMPs.

1. Soil loss BMPs that should be considered for implementation as appropriate for each project include, but are not limited to, the following:

a. Scheduling construction activity during dry weather, when possible.

b. Preservation of natural features, vegetation, soil, and buffers around surface waters.

c. Drainage swales or lined ditches to control stormwater flow. Mulching or hydroseeding to stabilize disturbed soils.

 Erosion control to protect slopes Protection of storm drain inlets (gravel bags or catch basin inserts). Perimeter sediment control (perimeter silt fence, fiber rolls).

Sediment trap or sediment basin to retain sediment on site.

Stabilized construction exits Wind erosion control.

 Other soil loss BMPs acceptable to the enforcing agency. 2. Good housekeeping BMPs to manage construction equipment, materials, non-stormwater discharges

and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following:

a. Dewatering activities. b. Material handling and waste management.

 Building materials stockpile management. d. Management of washout areas (concrete, paints, stucco, etc.). e. Control of vehicle/equipment fueling to contractor's staging area.

f. Vehicle and equipment cleaning performed off site.

Spill prevention and control. Other housekeeping BMPs acceptable to the enforcing agency.

.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES O AND. Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development sale.

lote: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board or he Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit).

The NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff pre-project hydrology) with the installation of postconstruction stormwater management measures. The NPDES ermits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration through nonstructural controls, such as Low Impact Development (LID) practices, and conversation design measures Stormwater volume that cannot be addressed using nonstructural practices is required to be captured in structural practices and be approved by the enforcing agency.

Refer to the current applicable permits on the State Water Resources Control Board website at: www.waterboards.ca.gov/constructionstormwater. Consideration to the stormwater runoff management measures should be given during the initial design process for appropriate integration into site development.

i,106,4 BICYCLE PARKING. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 105, comply with Section 5,106.4.2

5.106.4.1 Bicycle parking. [BSC-CG] Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the

5.106.4.1.1 Short-term bicycle parking. If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.

Exception: Additions or alterations which add nine or less visitor vehicular parking spaces. 5.106.4.1.2 Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.3 For additions or alterations that add 10 or more tenant-occupant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicular parking spaces being added, with a minimum of one bicycle parking facility.

5.106.4.1.4 For new shell buildings in phased projects provide secure bicycle parking for 5 percent of the anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.5 Acceptable bicycle parking facility for Sections **5.106.4.1.2**, **5.106.4.1.3**, and **5.106.4.1.4** shall be convenient from the street and shall meet one of the following:

Covered, lockable enclosures with permanently anchored racks for bicycles;

Lockable bicycle rooms with permanently anchored racks; or Lockable, permanently anchored bicycle lockers.

Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates. 5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections

5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building. 5.106.4.2.2 Staff blcycle parking. Provide permanent, secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles; 2. Lockable bicycle rooms with permanently anchored racks; or Lockable, permanently anchored bicycle lockers.

5.106.5.3 Electric vehicle (EV) charging. [N] Construction to provide electric vehicle infrastructure and facilitate electric vehicle charging shall comply with Section 5.106.5.3.1 and shall be provided in accordance with regulations in the California Building Code and the California Electrical Code.

Exceptions: I. On a case-by-case basis where the local enforcing agency has determined compliance with

> this section is not feasible based upon one of the following conditions: a. Where there is no local utility power supply

required to comply with this code section

b. Where the local utility is unable to supply adequate power. c. Where there is evidence suitable to the local enforcement agency substantiating the

local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project. Parking spaces accessible only by automated mechanical car parking systems are not

5.106.5.3.1 EV capable spaces.

[N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following

1. Raceways complying with the California Electrical Code and no less that 1-inch (25 mm) diameter shall be provided and shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the EV capable

and into a suitable listed cabinet, box,enclosure or equivalent. A common raceway may be used to serve multiple EV charging spaces.

2. A service panel or subpanel (s) shall be provided with panel space and electrical load capacity for a dedicated 208/240 volt, 40-ampere minimum branch circuit for each EV capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS.

3. The electrical system and any on-site distribution transformers shall have sufficient capacity to supply full rated amperage at each EV capable space.

4. The service panel or subpanel circuit directory shall identify the reserved overcurrent protective devices space(s) as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

Note: A parking space served by electric vehicle supply equipment or designed as a future EV charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by an enforcement agency. See vehicle Code Section 22511.2 for further details.

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CAPABLE SPACES	NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE)*2
0-9	0	0
10-25	2	0
26-50	8	2
51-75	13	3
76-100	17	4
101-150	25	6
151-200	35	9
201 AND OVER	20% of total1	25% of EV capable spaces

Where there is insufficient electrical supply.

2. The number of required EVCS (EV capable spaces provided with EVSE) in column 3 count towards the total number of required EV capable spaces shown in column 2.

5.106.5.3.2 Electric vehicle charging stations (EVCS)

EV capable spaces shall be provided with EVSE to create EVCS in the number indicated in Table 5.106.5.3.1. The EVCS required by Table 5.106.5.3.1 may be provided with EVSE in any combination of Level 2 and Direct Current Fast Charging (DCFC), except that at least one Level 2 EVSE shall be

One EV charger with multiple connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by Section 5.106.5.3.1 for each EV capable space is accumulatively supplied to the EV charger.

The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE by five and reduce proportionally the required electrical load capacity to the

DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING VERIFICATION WITH THE FULL CODE.

5.106.5.3.3 Use of automatic load management systems (ALMS). ALMS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity 5.106.5.3.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.

5.106.5.3.4 Accessible EVCS. When EVSE is installed, accessible EVSC shall be provided in accordance with the California Building Code. Chapter 11B. Section 11B-228.3. Note: For EVCS signs, refer to Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).

5.106.5.4 Electric Vehicle (EV) charging: medium-duty and heavy-duty. [N]
Construction shall comply with section 5.106.5.4.1 to facilitate future installation of electric vehicle supply equipment (EVSE). Construction for warehouses, grocery stores and retail stores with planned off-street loading spaces shall also comply with Section 5.106.5.4.1 for future installation of medium- and heavy-duty EVSE.

> On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:

 a. Where there is no local utility power supply. b. Where the local utility is unable to supply adequate power.

c. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementatio of Section 5.106.5.3, may adversely impact the construction cost of the project. When EVSE(s) is/are installed, it shall be in accordance with the California Building Code, the California Electrical Code and as follows:

5.106.5.4.1 Electric vehicle charging readiness requirements for warehouse, grocery stores and retail stores with planned off-street loading spaces.

[N] In order to avoid future demolition when adding EV charging supply and distribution equipment, spare raceways(s) or busway(s) and adequate capacity for transformers(s), service panels(s) or subpanel(s) shall be installed at the time of construction in accordance with the California Electrical Code. Construction plans and specifications shall include but are not limited to, the following:

1. The transformer, main service equipment and subpanel shall meet the minimum power requirement in Table 5.106.5.4.1 to accommodate the dedicated branch circuits for the future

installation of EVSE. 2. The construction documents shall indicate on or more location(s) convenient to the planned offstreet loading space(s) reserved for medium-and heavy-duty ZEV charging cabinets and charging dispensers, and a pathway reserved for routing of conduit from the termination of the raceway(s) or busway(s) to the charging cabinet(s) and dispenser(s) as shown in Table

3. Raceway(s) or busway(s) originating at a main service panel or a subpanel(s) serving the area where potential future medium-and heavy-duty EVSE will be located and shall terminate in close proximity to the potential future location of the charging equipments for medium- and heavy-duty

4. The raceway(s) or busway(s) shall be sufficient size to carry the minimum additional system load to the future location of the charging for medium- and heavy-duty ZEVs as shown in Table 5.106.5.4.1.

TABLE 5.106.5.4.1 RACEWAY CONDUIT AND PANEL POWER REQUIREMENTS FOR MEDIUM- AND HEAVY-DUTY EVSE [N]

BUILDING TYPE	BUILDING SIZE (SQ. FT.)	NUMBER OF OFF-STREET LOADING SPACES	ADDITIONAL CAPACITY REQUIRED (KVA) FOR RACEWAY & BUSWAY AND TRANSFORMER & PANEL
	10,000 to 90,000	1 or 2	200
Grocery	10,000 to 30,000	3 or Greater	400
	Greater than 90,000	1 or Greater	400
	10 000 to 425 000	1 or 2	200
Retail	10,000 to 135,000	3 or Greater	400
	Greater than 135,000	1 or Greater	400
		1 or 2	200
Warehouse	20,000 to 256,000	3 or Greater	400
	Greater than 256,000	1 or Greater	400

5.106.8 LIGHT POLLUTION REDUCTION. [N]. | Outdoor lighting systems shall be designed and installed to comply

- The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10,
- Section 10-114 of the California Administrative Code; and Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);
- . Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in 4. Allowable BUG ratings not exceeding those shown in Table 5.106.8, [N] or Comply with a local ordinance
- lawfully enacted pursuant to Section 101.7, whichever is more stringent.
- 1. Luminaires that qualify as exceptions in Sections 130.2 (b) and 140.7 of the California Energy Code
- Emergency lighting
 Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.
- Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8
 Alternate materials, designs and methods of construction.

5. Luminaires with less than 6,200 initial luminaire lumens.

ALLOWABLE RATING	LIGHTING ZONE	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4
MAXIMUM ALLOWABLE BACKLIGHT RATING 3	LZ0				
Luminaire greater than 2 mounting heights (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit
Luminaire back hemisphere is 1-2 MH from property line	N/A	B2	В3	B4	В4
Luminaire back hemisphere is 0.5-1 MH from property line	N/A	B1	B2	В3	В3
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	В0	В0	B1	B2
MAXIMUM ALLOWABLE UPLIGHT RATING (U)					
For area lighting s	N/A	UO	U0	U0	UO
UPLIGHT RATING (U)	N/A N/A	U0 U1	U0 U2	U0 U3	

GLARE RATING s (G) MAXIMUM ALLOWABLE G1 G2 GLARE RATING 5 (G) MAXIMUM ALLOWABLE G1 N/A G0 G1 G2 BLARE RATING 5 (G) MAXIMUM ALLOWABLE N/A G0G0 G1 GLARE RATING 5 (G) MAXIMUM ALLOWABLE GLARE RATING 8 (G)

. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the California Energy Code and Chapter 10 of the Callifornia Administrative Code.

2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this

3. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaries located in these areas shall meet U-value limits for "all other outdoor lighting"

5.106.8.1 Facing- Backlight

Luminaries within 2MH of a property line shall be oriented so that the nearest property line is behind the fixture, and shall comply with the backlight rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point of that property line.

Exception: Corners. If two property lines (or two segments of the same property line) have equidistant point to the luminaire, then the luminaire may be oriented so that the intersection of the two lines (the corner) is directly behind the luminaire. The luminaire shall still use the distance to the nearest points(s) on the property lines to determine the required backlight rating.

.106.8.2 Facing-Glare.

For luminaires covered by 5.106.8.1, if a property line also exists within or extends into the front hemisphere within 2MH of the luminaire then the luminaire shall comply with the more stringent glare rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point on the nearest property line within the front

1.See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways. Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, California Energy Code Tables 130.2-A and 130.2-B.

Refer to the California Building Code for requirements for additions and alterations.

5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

Water collection and disposal systems.

5. Other water measures which keep surface water away from buildings and aid in groundwater recharge. **Exception:** Additions and alterations not altering the drainage path.

.106.12 SHADE TREES [DSA-SS]. Shade Trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.

5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50 percent of the parking area within 15 years. Exceptions: Surface parking area covered by solar photovoltaic shade structures with roofing

materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in 5.106.12.2 Landscape areas. Shade tress plantings, minimum #10 container size or equal shall be installed to

Exceptions: Playfields for organized sport activity are not included in the total area calculation. 5.106.12.3. Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years.

Walks, hardscape areas covered by solar photovoltaic shade structures or shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu

Designated and marked play areas of organized sport activity are not included in the total area calculation.

provide shade of 20% of the landscape area within 15 years.

DIVISION 5.2 ENERGY EFFICIENCY

SECTION 5.201 GENERAL 5.201.1 Scope [BSC-CG]. California Energy Code [DSA-SS]. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

SECTION 5.301 GENERAL

5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water use indoors, outdoors

SECTION 5.302 DEFINITIONS **5.302.1 Definitions.** The following terms are defined in Chapter 2 (and are included here for reference)

EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS]. An adjustment factor when applied to reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which ae two major influences on the amount of water that needs to be applied to the landscape.

FOOTPRINT AREA [DSA-SS]. The total area of the furthest exterior wall of the structure projected to natural grade, not including exterior areas such as stairs, covered walkways, patios and decks. METERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The

volume or cycle duration can be fixed or adjustable. GRAYWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom

washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and

(California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least

POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking

POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic purposes, and meets the

Water Standards. See definition in the California Plumbing Code, Part 5.

1954.202 (g) and Water code Section 517 for additional details.)

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD] The California model ordinance

U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority RECYCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a

treated to remove waste matter attaining a quality that is suitable to use the water again. SUBMETER. [HCD 1] A secondary device beyond a meter that measures water consumption of an individual rental unit within a multiunit residential structure or mixed-use residential and commercial structure. (See Civic Code Section

controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water

WATER BUDGET. Is the estimated total landscape irrigation water use which shall not exceed the maximum applied water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWELO).

CALIFORNIA GREEN BUILDING CODE, SHEET 1 | SCALE:

1960 Tate Street East Palo Alto, CA 94303

POWELL PARTNERS ARCHITECTS A CALIFORNIA CORPORATION

311 Oak Street, # 331 Oakland, CA 94607 Phone: (510) 912-8386

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CONSULTANTS:

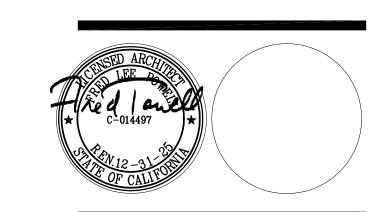
STRUCTURAL ENGINEER: Structus, Inc.

H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc

MECHANICAL/PLUMBING ENGINEER:





04/28/23 100% BLDG PERMIT SET

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE

EAST PALO ALTO, CA 94303

SHEET TITLE

CALIFORNIA GREEN BUILDING CODE. SHEET 1

SCALE AS NOTED

Job No. **201806.01** DRAWN

CHECKED **FP**

NAME: 201806.01/145CADD/A_ARCH/SHTS

California 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2023)

5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3,

Division 30 of the Public Resources Code. Chapter 18 is known as the California Solid Waste Reuse and

Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the

Recycling Access Act of 1991 (Act).

NOT APPLICABLE
RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER,
OWNER, CONTRACTOR, INSPECTOR ETC.)

SECTION 5.303 INDOOR WATER USE 5.303.1 METERS. Separate submeters or metering devices shall be installed for the uses described in Sections SECTION 5.402 DEFINITIONS 5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows: 5.402.1 DEFINITIONS. The following terms are defined in Chapter 2 (and are included here for reference) 1. For each individual leased, rented or other tenant space within the building projected to consume ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop. 2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, following subsystems: according to design quantities. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s). b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s). BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW). process, including verifying and documenting that building systems and components are planned, designed, installed, ested, operated and maintained to meet the owner's project requirements. **5.303.1.2 Excess consumption.** A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day. ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food soiled paper waste that is mixed in with food waste. 5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and **TEST.** A procedure to determine quantitative performance of a system or equipment urinals) and fittings (faucets and showerheads) shall comply with the following: SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT **5.303.3.1 Water Closets.** The effective flush volume of all water closets shall not exceed 1.28 gallons per 5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local Specification for Tank-Type toilets. ordinance, whichever is more stringent. Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of 5.407.2 MOISTURE CONTROL. Employ moisture control measures by the following methods. two reduced flushes and one full flush. 5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures. 5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed 5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows: 5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall 5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water not exceed 0.5 gallons per flush. intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following: 5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 An installed awning at least 4 feet in depth. gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA The door is protected by a roof overhang at least 4 feet in depth. WaterSense Specification for Showerheads. . The door is recessed at least 4 feet. 4. Other methods which provide equivalent protection. **5.303.3.3.2** Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a **5.407.2.2.2 Flashing.** Install flashings integrated with a drainage plane. single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time. **Note:** A hand-held shower shall be considered a showerhead. SECTION 5.408 CONSTRUCTION WASTE REDUCTION. DISPOSAL AND RECYCLING 5.303.3.4 Faucets and fountains. 5.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or **5.303.3.4.1 Nonresidential Lavatory faucets.** Lavatory faucets shall have a maximum flow rate of not neet a local construction and demolition waste management ordinance, whichever is more stringent. more than 0.5 gallons per minute at 60 psi. 5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and **5.303.3.4.2 Kitchen faucets**. Kitchen faucets shall have a maximum flow rate of not more than 1.8 demolition waste management ordinance, submit a construction waste management plan that: gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons 1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale. 2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) of **5.303.3.4.3 Wash fountains.** Wash fountains shall have a maximum flow rate of not more than 1.8 bulk mixed (single stream) gallons per minute/20 [rim space (inches) at 60 psi]. Identifies diversion facilities where construction and demolition waste material collected will be taken 4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated **5.303.3.4.4 Metering faucets.** Metering faucets shall not deliver more than 0.20 gallons per cycle. by weight or volume, but not by both. 5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a 5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi]. documentation that the percentage of construction and demolition waste material diverted from the landfill Note: Where complying faucets are unavailable, aerators or other means may be used to achieve Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company. When installed, shall meet the requirements in the California Code of Regulations, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (n)(4) Table H-2, Section 1605.3 (n)(4)(A), and Section 160 (d)(7), and shall be equipped with an integral automatic shutoff. Excavated soil and land-clearing debris. 2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle FOR REFERENCE ONLY: The following table and code section have been reprinted from the California facilities capable of compliance with this item do not exist. Code of Regulations, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) and Section 3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities TABLE H-2 5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement as approved by the enforcing agency. STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALUES MANUFACTURED ON OR AFTER JANUARY 28, 2019 **5.408.1.4 Documentation.** Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as PRODUCT CLASS necessary and shall be accessible during construction for examination by the enforcing agency. MAXIMUM FLOW RATE (gpm) [spray force in ounce force (ozf)] Product Class 1 (≤ 5.0 ozf) 1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" Product Class 2 (> 5.0 ozf and ≤ 8.0 ozf) 1.20 located www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Product Class 3 (> 8.0 ozf) Resources-List-Folder/CALGreen may be used to assist in documenting compliance with the waste 2. Mixed construction and demolition debris processors can be located at the California Department of 5.303.4 COMMERCIAL KITCHEN EQUIPMENT. Resources Recycling and Recovery (CalRecycle). **5.303.4.1 Food Waste Disposers**. Disposers shall either modulate the use of water to no more than 1 gpm 5.408.2 UNIVERSAL WASTE. [A] Additions and alterations to a building or tenant space that meet the scoping when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water. tems such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Note: This code section does not affect local jurisdiction authority to prohibit or require disposer Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents. 5.303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California Note: Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/universalwaste/ Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply to new fixtures in additions or greas of alteration to the building. 5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. 100 percent of trees, stumps, rocks and associated regetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such 5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed material may be stockpiled on site until the storage site is developed. in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code and in Chapter 6 of this code. **Exception:** Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation. SECTION 5.304 OUTDOOR WATER USE 5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water 1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Efficient Landscape Ordinance (MWELO), whichever is more stringent. Commissioner and follow its direction for recycling or disposal of the material. 2. For a map of know pest and/or disease guarantine zones, consult with the California Department of Food and Agriculture. (www.cdfa.ca.gov) 1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2. 2. MWELO and supporting documents, including a water budget calculator, are available at: 5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. For public schools and community colleges landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter **5.410.1 RECYCLING BY OCCUPANTS.** Provide readily accessible areas that serve the entire building and are 2.7, Division 2, Title 23, California Code of Regulations, except that the evapotranspiration adjustment factor (ETAF) identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35. paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO. **Exception:** Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section. 5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet. 5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site. **5.304.6.2 Rehabilitated landscapes.** Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet. Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE

efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of

5.401.1 SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource

techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.

EFFICIENCY

SECTION 5.401 GENERAL

5.410.2 COMMISSIONING. [N] New buildings 10,000 square feet and over. For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for I-occupancies and .-occupancies that are not regulated y the California Energy Code Section 100.0 Scope, all requirements in Sections Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating.

ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements

Commissioning requirements shall include:

- Owner's or Owner representative's project requirements. Basis of design.
- Commissioning measures shown in the construction documents
- Commissioning plan. Functional performance testing.
- Documentation and training. Commissioning report.

- Unconditioned warehouses of any size.
- 2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses
- 3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1. 4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

Note: For the purposes of this section, unconditioned shall mean a building, area, or room which does not provide heating and or air conditioning.

 IAS AC 476 is an accreditation criteria for organizations providing training and/or certification of commissioning personnel. AC 476 is available to the Authority Having Jurisdiction as a reference for qualifications of commissioning personnel. AC 476 des not certify individuals to conduct functional performance tests or to adjust and balance systems.

2. Functional performance testing for heating, ventilation, air conditioning systems and lighting controls must be performed in compliance with the California Energy Code.

5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR). [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:

- Environmental and sustainability goals. Building sustainable goals.
- Indoor environmental quality requirements. 4. Project program, including facility functions and hours of operation, and need for after hours
- Equipment and systems expectations.
- 6. Building occupant and operation and maintenance (O&M) personnel expectations.
- 5.410.2.2 Basis of Design (BOD). [N] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:
 - Renewable energy systems.
 - Landscape irrigation systems. 3. Water reuse system.

General project information.

5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following:

- Commissioning goals. Systems to be commissioned. Plans to test systems and components shall include:
- a. An explanation of the original design intent. b. Equipment and systems to be tested, including the extent of tests.
- c. Functions to be tested.
- d. Conditions under which the test shall be performed. e. Measurable criteria for acceptable performance.
- Commissioning team information. 5. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.

5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments

5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required, including Occupational Safety and Health Act (OSHA) requirements in California Code of Regulations (CCR), Title 8, Section 5142, and other related regulations.

5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be completed within the systems manual and delivered to the building owner or representative. The

- systems manual shall include the following: Site information, including facility description, history and current requirements.
- 2. Site contact information. 3. Basic operations and maintenance, including general site operating procedures, basic
- troubleshooting, recommended maintenance requirements, site events log.
- 5. Site equipment inventory and maintenance notes.
- 6. A copy of verifications required by the enforcing agency or this code. Other resources and documentation, if applicable.

5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the following:

- 1. System/equipment overview (what it is, what it does and with what other systems and/or equipment it interfaces).
- 2. Review and demonstration of servicing/preventive maintenance.
- Review of the information in the Systems Manual. 4. Review of the record drawings on the system/equipment.
- 5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or

5.410.4 TESTING AND ADJUSTING. New buildings less than 10,000 square feet. Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.2 (Reserved)

DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS. THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BY THE END USER TO MEET THOSE INDIVIDUAL PROJECT BY THOSE IN

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting system and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements and Sections 120.5, 120.6, 130.4, and 140.9(b)3 for additional testing requirements of specific

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:

- Renewable energy systems.
- 2. Landscape irrigation systems.
- Water reuse systems.

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.

5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

DIVISION 5.5 ENVIRONMENTAL QUALITY

SECTION 5.501 GENERAL 5.501.1 SCOPE. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that

are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors. **SECTION 5.502 DEFINITIONS 5.502.1 DEFINITIONS.** The following terms are defined in Chapter 2 (and are included here for reference)

ARTERIAL HIGHWAY. A general term denoting a highway primarily for through traffic usually on a continuous route.

A-WEIGHTED SOUND LEVEL (dBA). The sound pressure level in decibels as measured on a sound level meter using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting adjustments have been made

1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu, the amount of heat required to melt a ton (2,000 pounds) of ice at 32⁰ Fahrenheit.

COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn.

COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood l–joists or finger-jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a).

Note: See CCR, Title 17, Section 93120.1.

and the electric vehicle.

sound power, sound intensity) with respect to a reference quantity.

DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a 24-hour period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.). DECIBEL (db). A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure,

ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the California Electrical Code, off-road, self-propoelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats, and the like, are not included.

ELECTRIC VEHICLE CHARGING STATION(S) (EVCSj). One or more spaces intended for charging electric vehicles ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring

ENERGY EQUIVALENT (NOISE) LEVEL (Leg). The level of a steady noise which would have the same energy as the fluctuating noise level integrated over the time of period of interest.

EXPRESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may not be divided or have grade separations at intersections.

FREEWAY. A divided arterial highway with full control of access and with grade separations at intersections.

GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse valent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference

GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14.

HIGH-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a hdrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction,

with a radius 1.5 times the pipe diameter.

LOW-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than 150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2-1999.

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundreths of a gram (g O³/g ROC).

PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging).

PSIG. Pounds per square inch, guage.

REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere

SCHRADER ACCESS VALVES. Access fittings with a valve core installed.

SHORT RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.0 times the pipe diameter. SUPERMARKET. For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet

or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with

vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain

hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a) Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition

included in that specific regulation is the one that prevails for the specific measure in question.

5.503.1 FIREPLACES. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits.

SECTION 5.504 POLLUTANT CONTROL 5.504.1 TEMPORARY VENTILATION. The permanent HVAC system shall only be used during construction if

necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992 Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction.

5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilation equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.

NAME: 201806.01/145CADD/A_ARCH/SHTS

1960 Tate Street

East Palo Alto, CA 94303

POWELL PARTNERS

ARCHITECTS

A CALIFORNIA CORPORATION

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MECHANICAL/PLUMBING ENGINEER:

PLAN REVIEW ACCEPTANCE

FOR COMPLIANCE WITH THE APPLICABLE CALIFORNIA BUILDING, PLUMBING, MECHANICAL, ELECTRICAL, AND ENERGY CODES AS AMENDED

BY THE JURISDICTION.
PLAN REVIEW ACCEPTANCE OF DOCUMENTS
DOES NOT AUTHORIZE CONSTRUCTION TO
PROCEED IN VIOLATION OF ANY FEDERAL,

STRUCTURAL BY: Joshua Yanson

WEST COAST CODE CONSULTANTS, INC. (WC

04/28/23 100% BLDG PERMIT SET

POLICE EVIDENCE

2415 UNIVERSITY AVENUE

EAST PALO ALTO, CA 94303

CALIFORNIA GREEN

BUILDING CODE.

SCALE AS NOTED

Job No. **201806.01**

ROOM REMODEL

PROJECT

SHEET TITLE

SHEET 2

DRAWN

CHECKED **FP**

TRUCTURAL BY: Manxian Chen DATE: 04/01/2024

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311 Oak Street, # 331

Oakland, CA 94607

STRUCTURAL ENGINEER:

H&M Mechanical Group

ELECTRICAL ENGINEER:

Natron Resources, Inc.

Phone: (510) 912-8386

<u>CONSULTANTS:</u>

Structus, Inc.

CALIFORNIA GREEN BUILDING CODE, SHEET 2 | SCALE: N.T.S.



California 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (January 2023)

5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet

the requirements of the following standards: 1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAOMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds. (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.

2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing

ess Water and Less Exempt Compounds in Grams per Lit	er
ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
NDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE. SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

Less Water and Less Exempt Compounds in Gram	s per Liter
SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of California Code of Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product

COATING CATEGORY	CURRENT VOC LIMIT
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS:	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following: Manufacturer's product specification 2. Field verification of on-site product containers

All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers." Version 1.2, January 2017 (Emission testing method for California

See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers,"Version 1.2, January 2017 (Emission testing method for California Specifications

See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:

Product certifications and specifications. 2. Chain of custody certifications.

3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).

4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S

5. Other methods acceptable to the enforcing agency.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MI	ILLION
PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD2	0.13

5.504.4.6 Resilient flooring systems. Where resilient flooring is installed, at least 80 percent of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health. "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specifications

See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring

5.504.4.7 Thermal insulation

Comply with the requirements of the California Department of Public Health, "Standard Method of the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, "Version 1.2, January 1.2, January 2017 (Emission testing method for California Specification 01350). See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.7.1 Verification of compliance. Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission

5.504.4.8 Acoustical ceiling and wall panels.

Comply with the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.2, January 2017 (Emission testing method for California Specification 01350) See California Department of Public Health's website for certification programs and testing labs

5.504.4.8.1 Verification of compliance. Documentation shall be provided verifying that acoustical finish materials meet the pollutant emission limits.

5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exceptions: Existing mechanical equipment.

5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV

5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor areas are provided for smoking. prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.

SECTION 5.505 INDOOR MOISTURE CONTROL

CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this code.

5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code.

SECTION 5.506 INDOOR AIR QUALITY

5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the California Energy Code, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR. Title 8.

5.506.2 CARBON DIOXIDE (CO2) MONITORING. For buildings or additions equipped with demand control ventilation, CO₂ sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).

5.506.3 Carbon dioxide (CO2) monitoring in classrooms.

(DSA-SS) Each public K-12 school classroom, as listed in Table 120.1-A of the California Energy Code, shall be equipped with a carbon dioxide monitor or sensor that meets the following requirements: The monitor or sensor shall be permanently affixed in a tamper-proof manner in each classroom between 3 and 6 feet (914 mm and 1829 mm) above the floor and at least 5 feet (1524 mm) away from door and operable

When the monitor or sensor is not integral to an Energy Management Control System (EMCS), the monitor or sensor shall display the carbon dioxide readings on the device. When the sensor is integral to an EMCS, the carbon dioxide readings shall be available to and regularly monitored by facility personnel. A monitor shall provide notification though a visual indicator on the monitor when the carbon dioxide levels in t

classroom have exceeded 1,100ppm. A sensor integral to an EMCS shall provide notification to facility personnel through a visual and/or audible indicator when the carbon dioxide levels in the classroom have exceeded 1.100ppm.

The monitor or sensor shall measure carbon dioxide levels at minimum 15- minute intervals and shall maintain a record of previous carbon dioxide measurements of not less than 30 days duration. The monitor or sensor used to measure carbon dioxide levels shall have the capacity to measure carbon dioxide

levels with a range of 400ppm to 2000ppm or greater. The monitor or sensor shall be certified by the manufacturer to be accurate within 75ppm at 1,000ppm carbon

dioxide concentration and shall be certified by the manufacturer to require calibration no more frequently than

SECTION 5.507 ENVIRONMENTAL COMFORT

5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

subsections apply only to new construction.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all

5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

Within the 65 CNEL noise contour of an airport.

Land Use Zone (AICUZ) plan

1. Lan or CNEL for military airports shall be determined by the facility Air Installation Compatible 2. Lon or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

2. Within the 65 CNEL or Lan noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30). 5.507.4.2 Performance Method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and

noise level of 65 dB Lea - 1-hr during any hour of operation shall have building, addition or alteration

5.507.4.1.1. Noise exposure where noise contours are not readily available. Buildings exposed to a

roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leg-1Hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.

SECTION 5.508 OUTDOOR AIR QUALITY

5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global-warming potential (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO₂), and potentially other refrigerants.

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

5.598.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a

5.598.2.1.2.1 Anchorage. One-fouth-inch OD tubing shall be securely clamped to a rigid base to keen vibration levels below 8 mils.

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure

Exception: Single-flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of

5.508.2.2 Valves. Valves Valves and fittings shall comply with the California Mechanical Code and as

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.

5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are

5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place. **5.508.2.2.2.1 Chain tethers.** Chain tethers to fit ovr the stem are required for valves designed to have seal caps.

Exception: Valves with seal caps that are not removed from the valve during stem

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent

5.598.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to

5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device tha indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

CHAPTER 7

INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

. State certified apprenticeship programs.

Public utility training programs. 3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.

 Programs sponsored by manufacturing organizations. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

1. Certification by a national or regional green building program or standard publisher. 2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building

performance contractors, and home energy auditors. Successful completion of a third party apprentice training program in the appropriate trade.

Other programs acceptable to the enforcing agency.

. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

[BSC-CG] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

703 VERIFICATIONS

703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.

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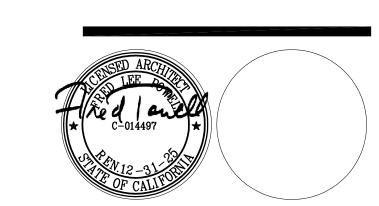
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

> MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





04/28/23 100% BLDG PERMIT SET

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

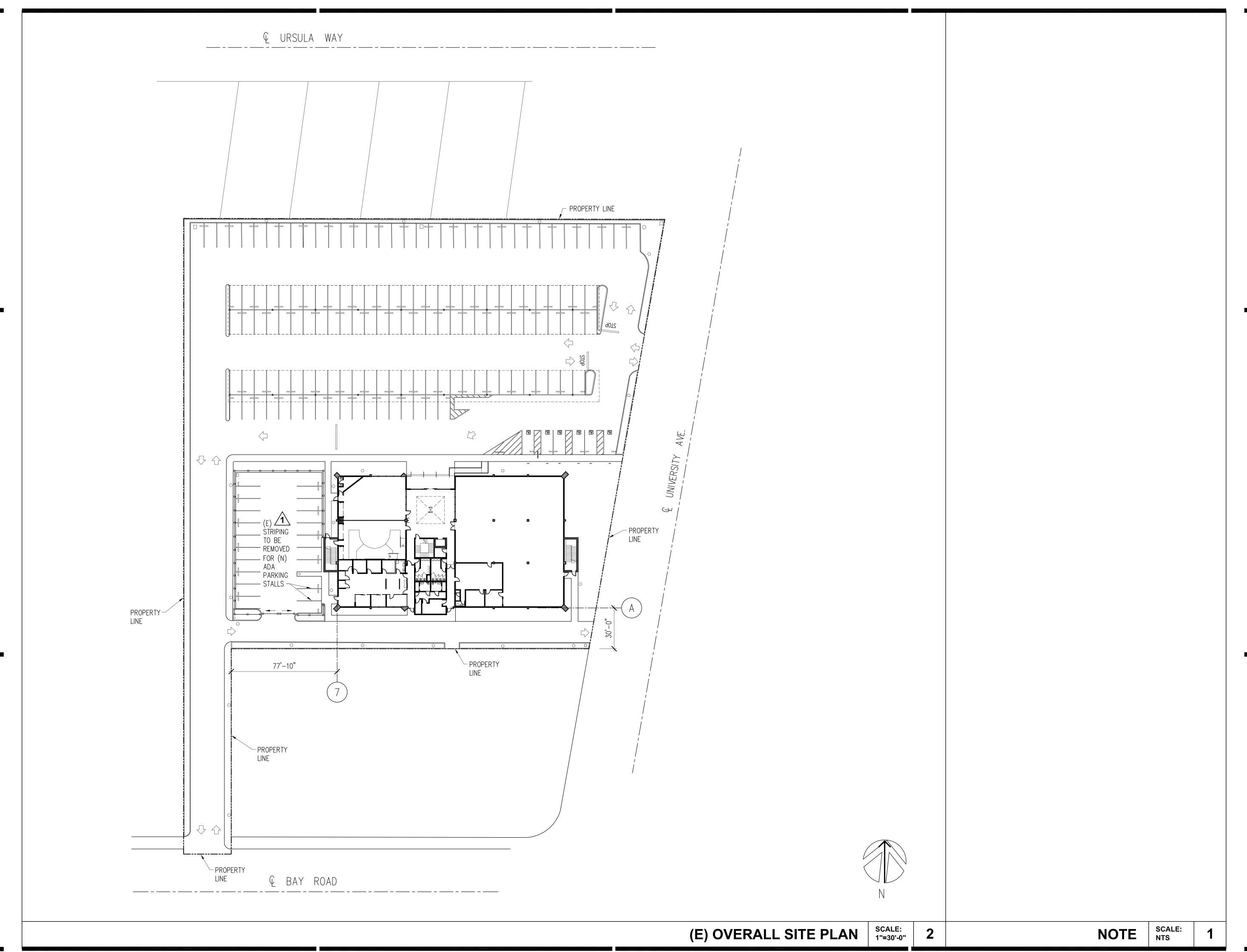
CALIFORNIA GREEN BUILDING CODE. SHEET 3

SCALE AS NOTED

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Job No. **201806.01**

NAME: 201806.01/145CADD/A_ARCH/SHTS





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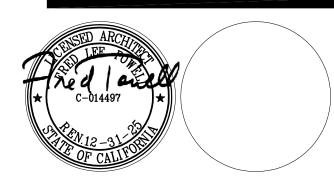
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(E) OVERALL SITE PLAN

SCALE AS NOTED

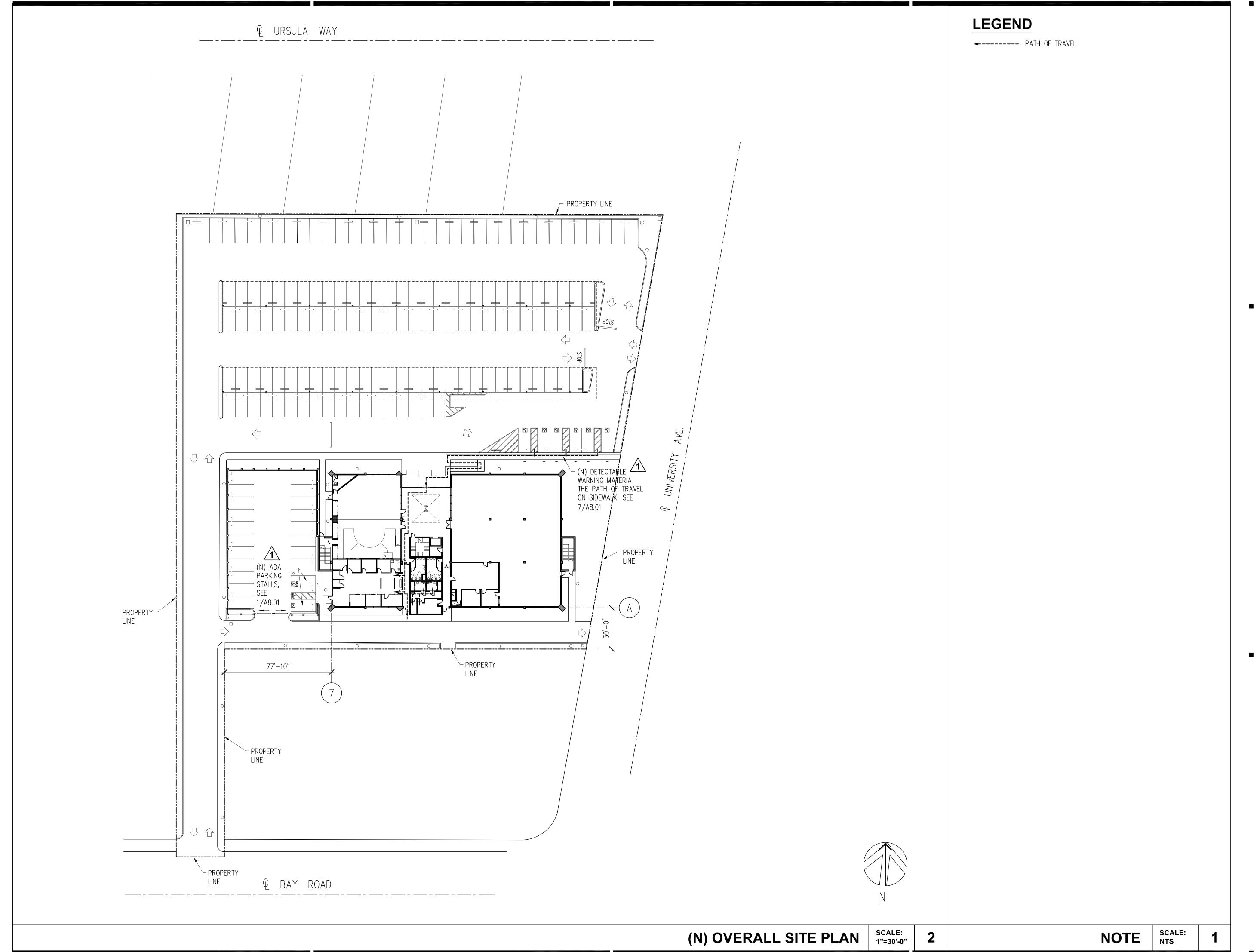
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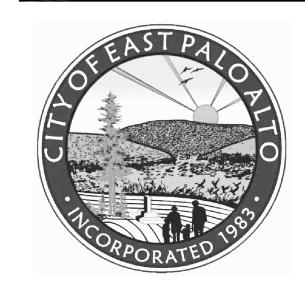
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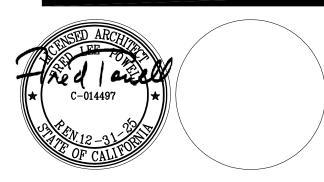
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS

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PROJECT

POLICE EVIDENCE ROOM REMODEL

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SHEET TITLE

(N) OVERALL SITE PLAN

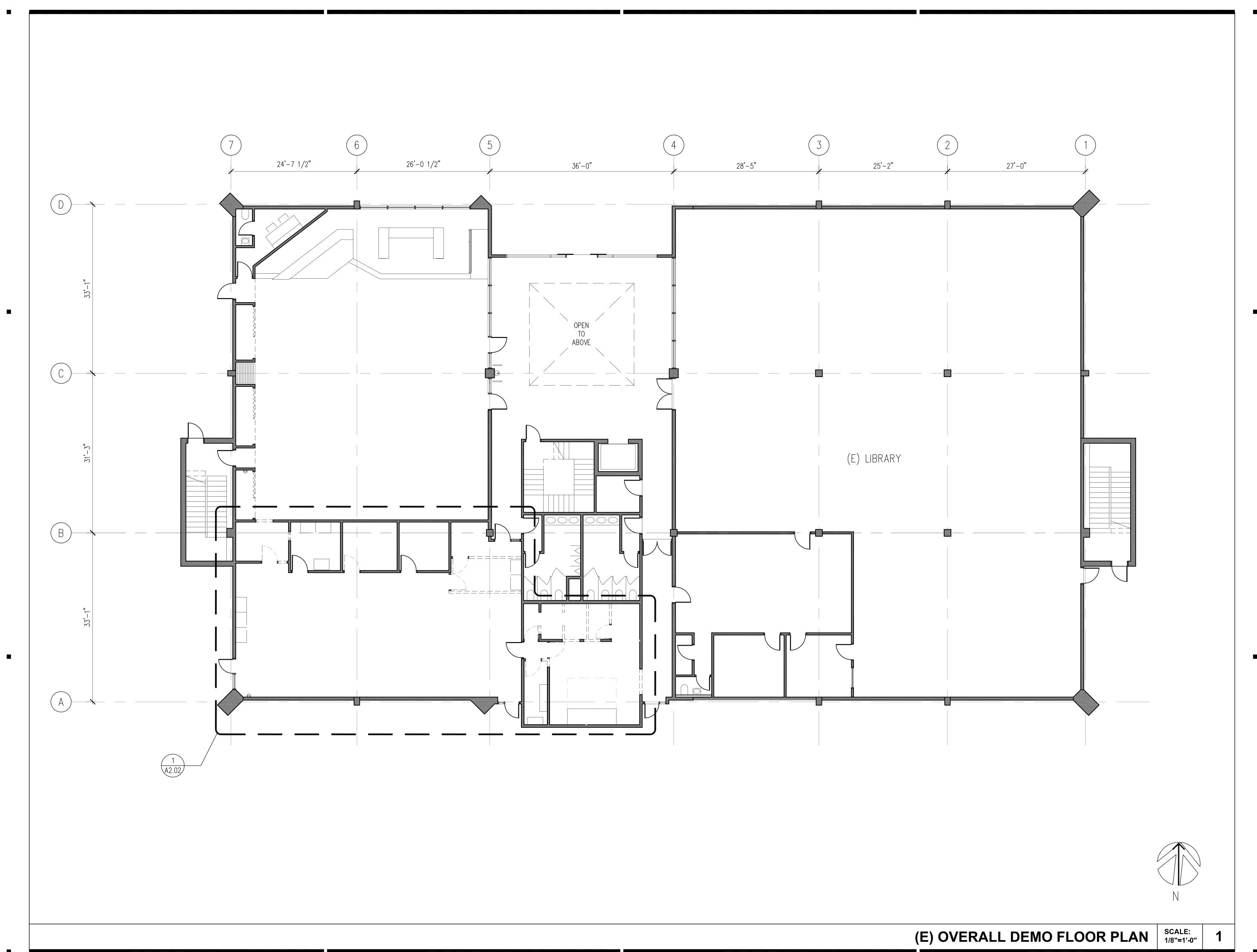
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JOB NO. 201806.01
DATE 02/2023

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CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(E) OVERALL DEMO FLOOR PLAN

SCALE AS NOTED

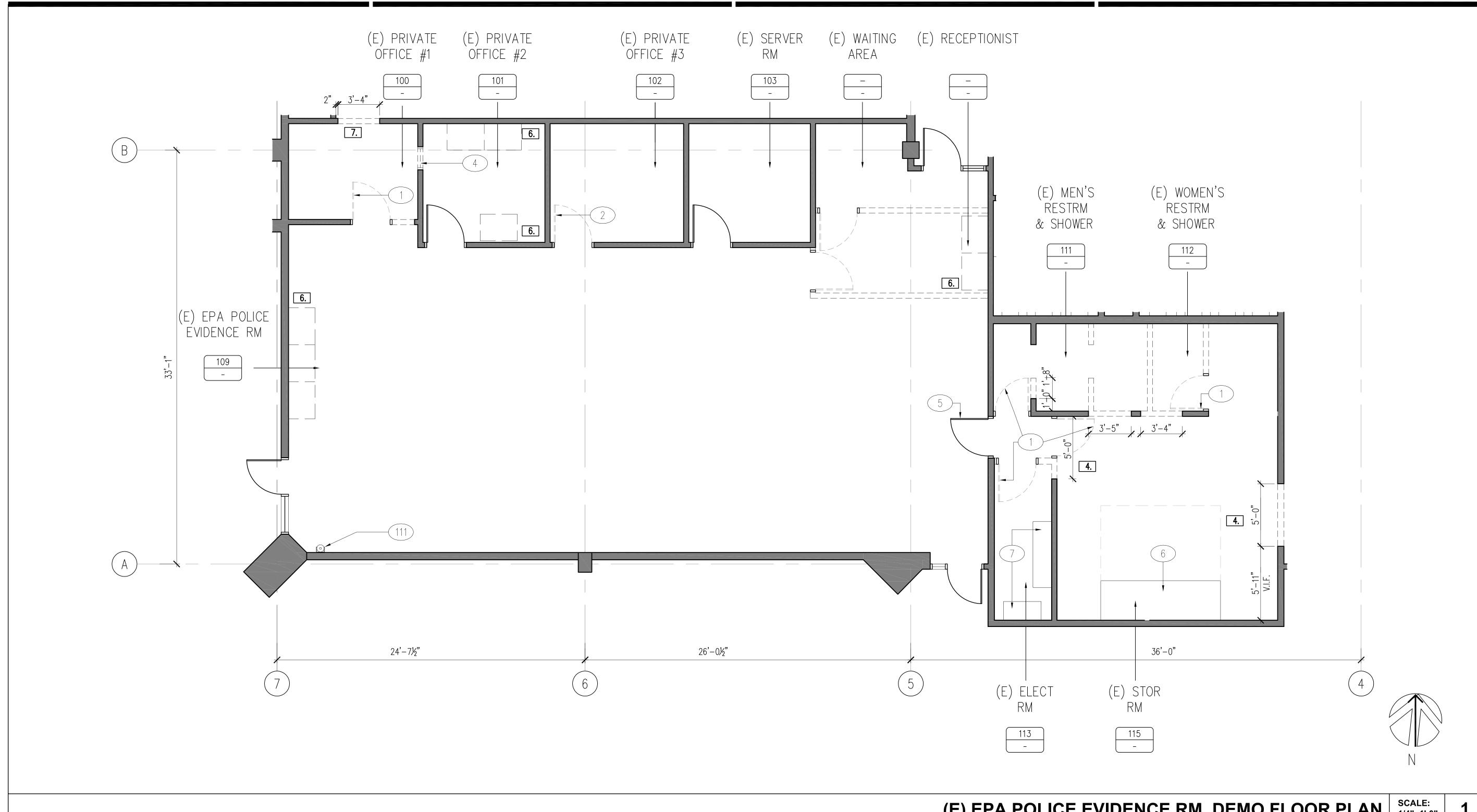
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SHEET NO.



(E) EPA POLICE EVIDENCE RM, DEMO FLOOR PLAN SCALE: 1/4"=1'-0"

(E) DOOR & FRAME TO BE RELOCATED IF POSSIBLE, SEE GENERAL NOTE NO. 1 (E) WALL TO REMAIN (E) CONSTRUCTION TO REMAIN (E) DOOR LEAF TO BE RELOCATED, (E) FRAME TO REMAIN

NOTE:

LEGEND SCALE: N.T.S.

(E) CONSTRUCTION TO BE

DEMOLISHED

(E) WINDOW TO BE REMOVED, SEE GENERAL NOTE NO.2

(E) DOOR TO BE MIRRORED, SEE GENERAL NOTE NO.3 AND V.I.F. IF (E) DOOR LEAF FROM RM 102 CAN BE REUSED

(E) ELECT MAIN SWITCH BOARD TO REMAIN, SED

(E) ELECT PANEL TO REMAIN, SED

NOT ALL KEYNOTES USED ON THIS SHEET

(E) FIRE EXTINGUISHER TO BE REMOVED AND CAN BE REUSED

1. CONTRACTOR TO VERIFY, IF (E) DOOR & FRAME CAN BE SALVAGED FOR REUSE AT (N) LOCATION, SEE A2.12 AND IF REUSE IS NOT FEASIBLE, THEN DISPOSE (E) AND PROVIDE (N).

2. CLIENT TO DETERMINE WHETHER OR NOT REMOVED ITEMS SHALL BE SALVAGED

3. CONTRACTOR TO VERIFY, WHETHER OR NOT (E) FRAME CAN BE RECONFIGURED TO PROVIDE DOOR SWING IN OPPOSITE DIRECTION

4. DEMO WALL AS NEEDED TO ACCOMMODATE (N) CLEAR ROOM WIDTH OF 5'-0" AT (N) CONDITION PER A2.12

5. DURING CONSTRUCTION, PROTECT ALL EQUIPMENT IN (E) SERVER ROOM WITH DUST BARRIER.

6. CAREFULLY REMOVE AND SALVAGE (E) LOCKABLE OVERHEAD STORAGE BINS FOR REUSE. THIS APPLIES TO ALL LOCATIONS, DHETHER INDICATED IN THE DRAWING OR NOT.

7. DEMO WALL TO ACCOMMODATE OPENING FOR (N) DOOR.



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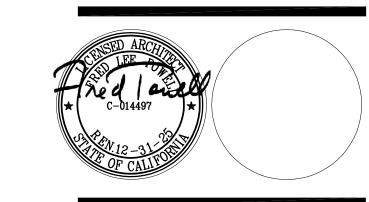
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(E) EPA POLICE **EVIDENCE RM, DEMO FLOOR PLAN**

SCALE AS NOTED

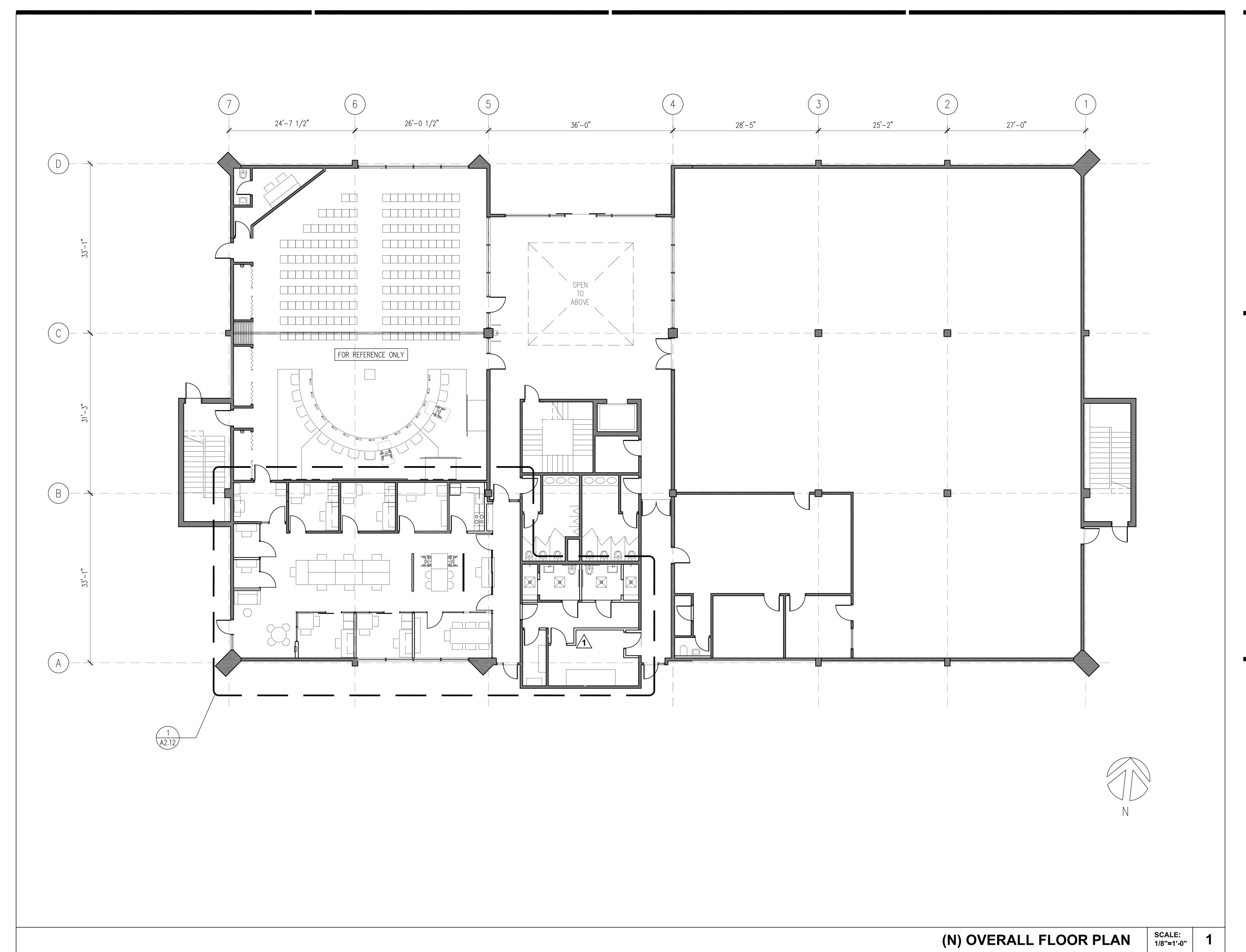
J□B N□. **201806.01** DATE **02/2023**

DRAWN

SHEET NO.

A2.02

SCALE: N.T.S. DEMO FLOOR PLAN KEYNOTES SCALE: N.T.S. **GENERAL NOTES**





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CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) OVERALL **FLOOR PLAN**

SCALE AS NOTED

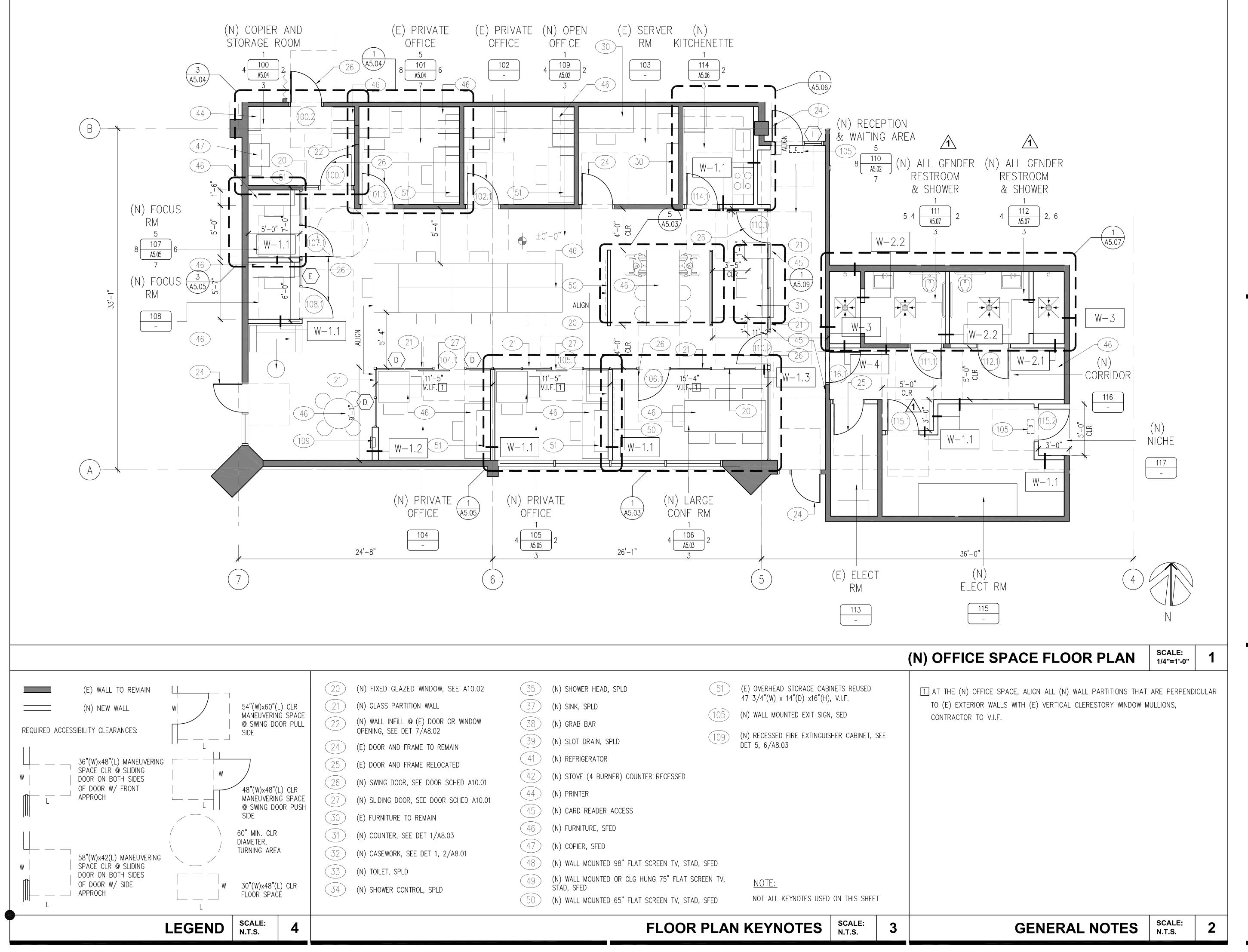
JDB ND. **201806.01**

DATE **02/2023**

DRAWN BY:

A2.10

SHEET NO.





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CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.

PLAN REVIEW ACCEPTANCE

FOR COMPLIANCE WITH THE APPLICABLE CALIFORNIA BUILDING, PLUMBING, MECHANICAL, ELECTRICAL, AND ENERGY CODES AS AMENDED BY THE JURISDICTION.

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NON STRUCTURAL BY: Joshua Yanson

STRUCTURAL BY: Yanxian Chen DATE: 04/01/2024

WEST COAST CODE CONSULTANTS, INC. (WC*)



CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) OFFICE SPACE FLOOR PLAN

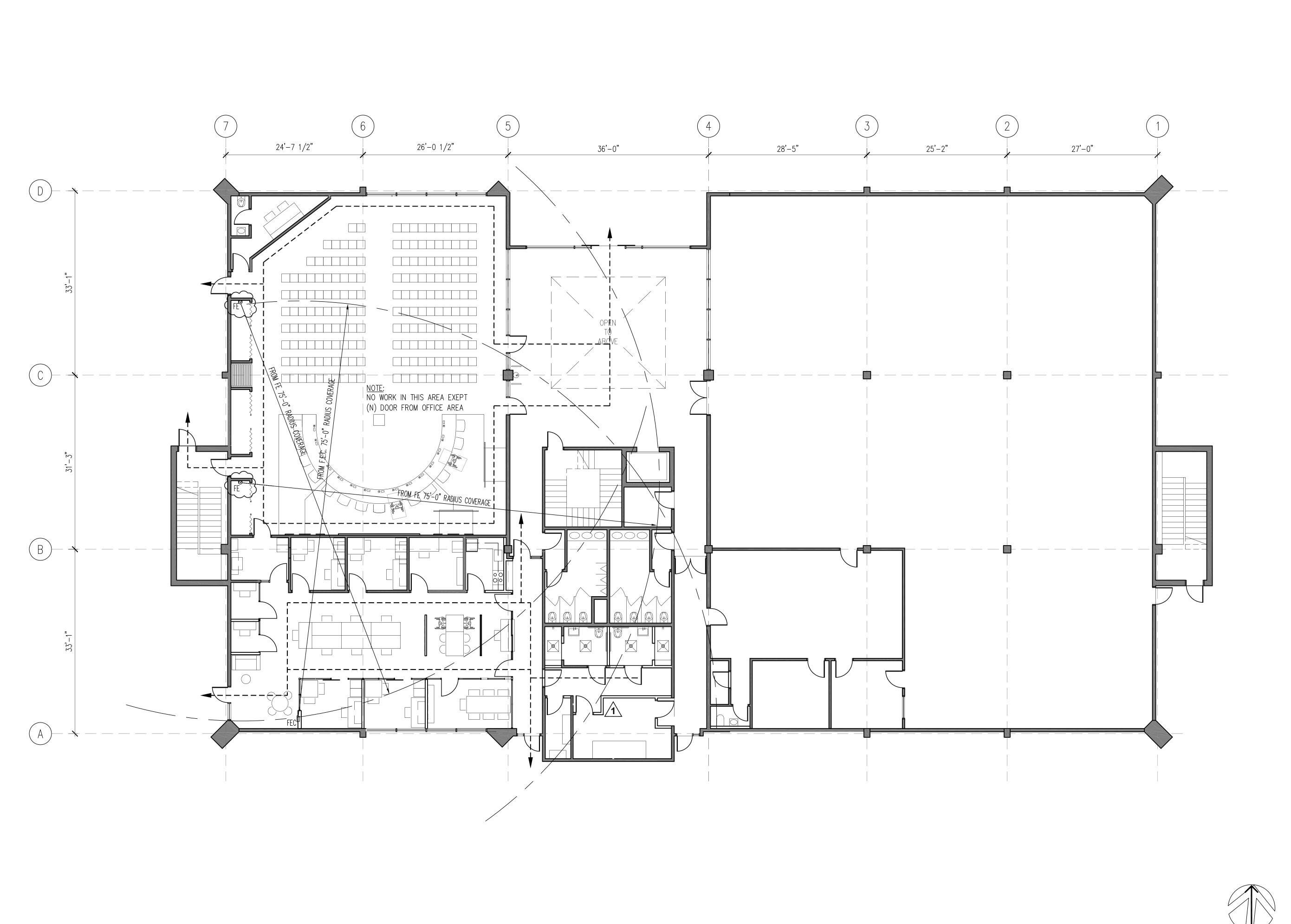
SCALE AS NOTED

JOB NO. 201806.01 Date 02/2023

DRAWN BY: MK CHECKED BY: FP

A2.12

SHEET NO.





(N) OVERALL FLOOR EGRESS PLAN

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



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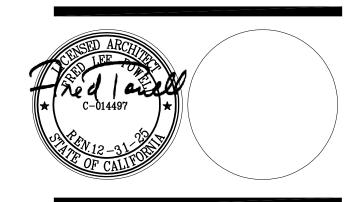
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) OVERALL FLOOR **EGRESS PLAN (FOR** REFERENCE ONLY)

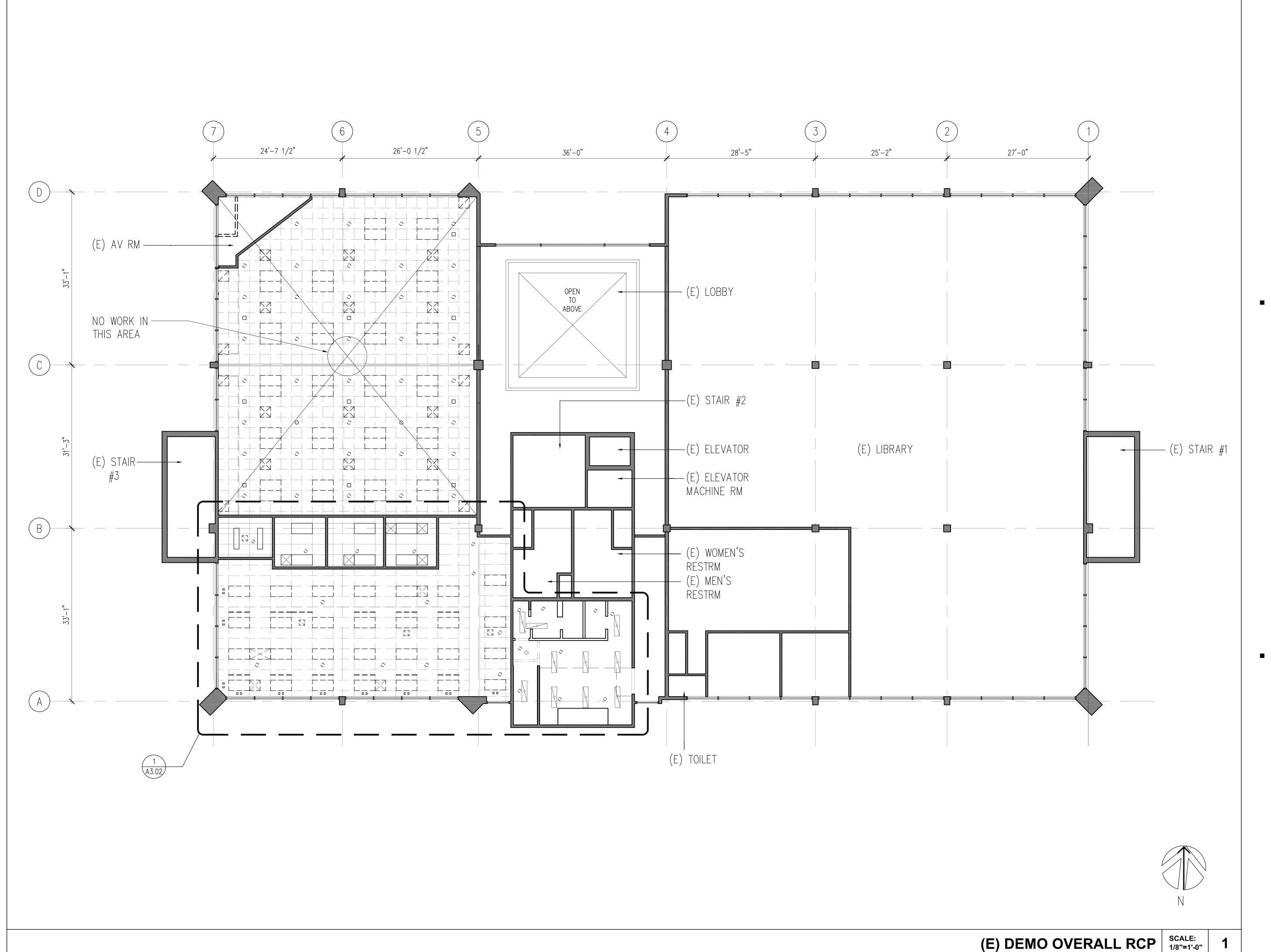
SCALE AS NOTED

JDB ND, **201806.01** DATE **02/2023**

DRAWN BY:

A2.13

SHEET NO.





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CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

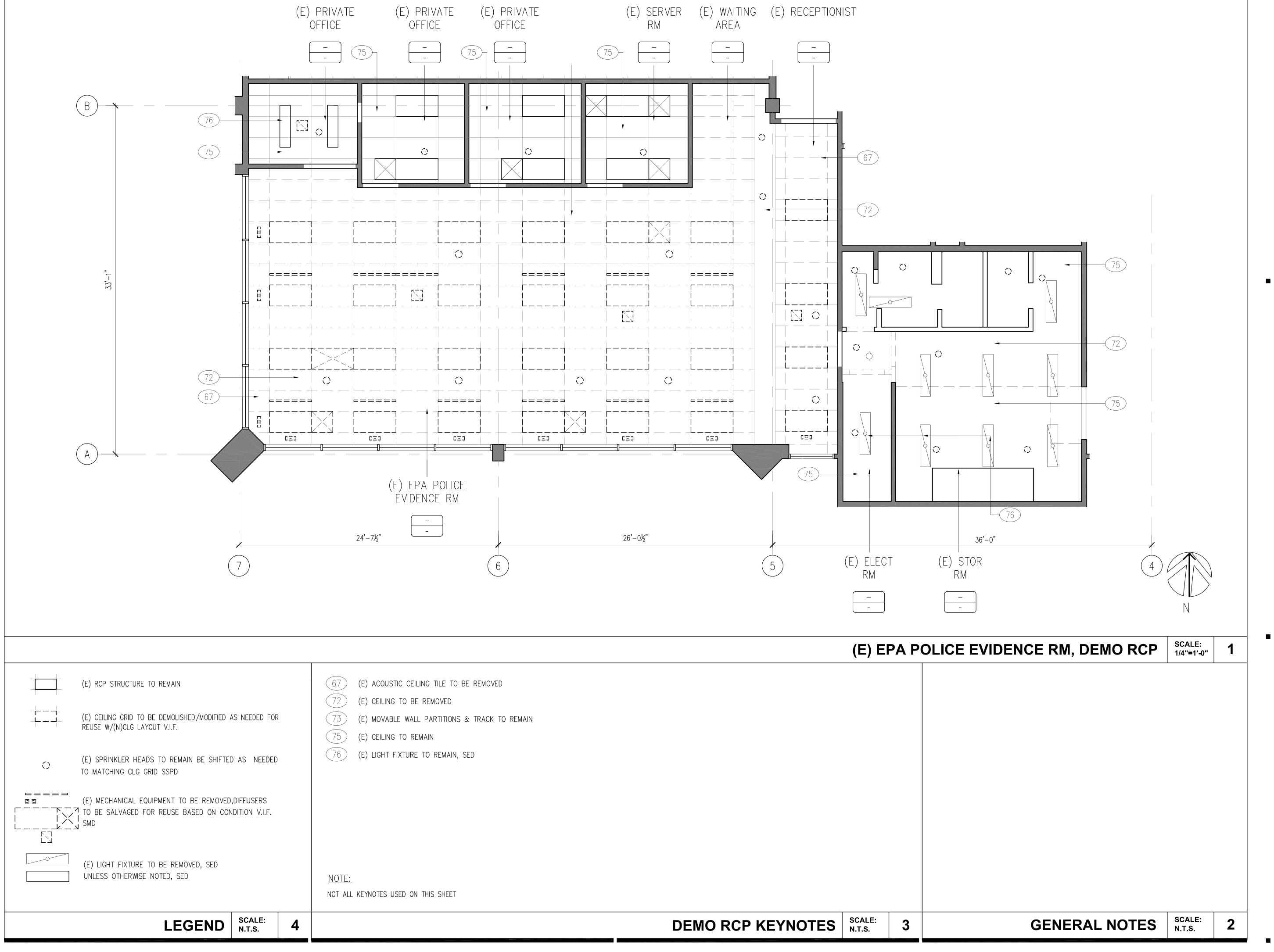
(E) DEMO **OVERALL RCP**

SCALE AS NOTED

JDB ND. **201806.01** DATE **01/2021**

SHEET NO. DRAWN CHECKED BY: **FP**

A3.00





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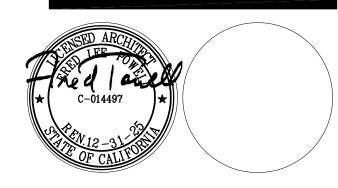
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(E) EPA POLICE EVIDENCE RM, DEMO RCP

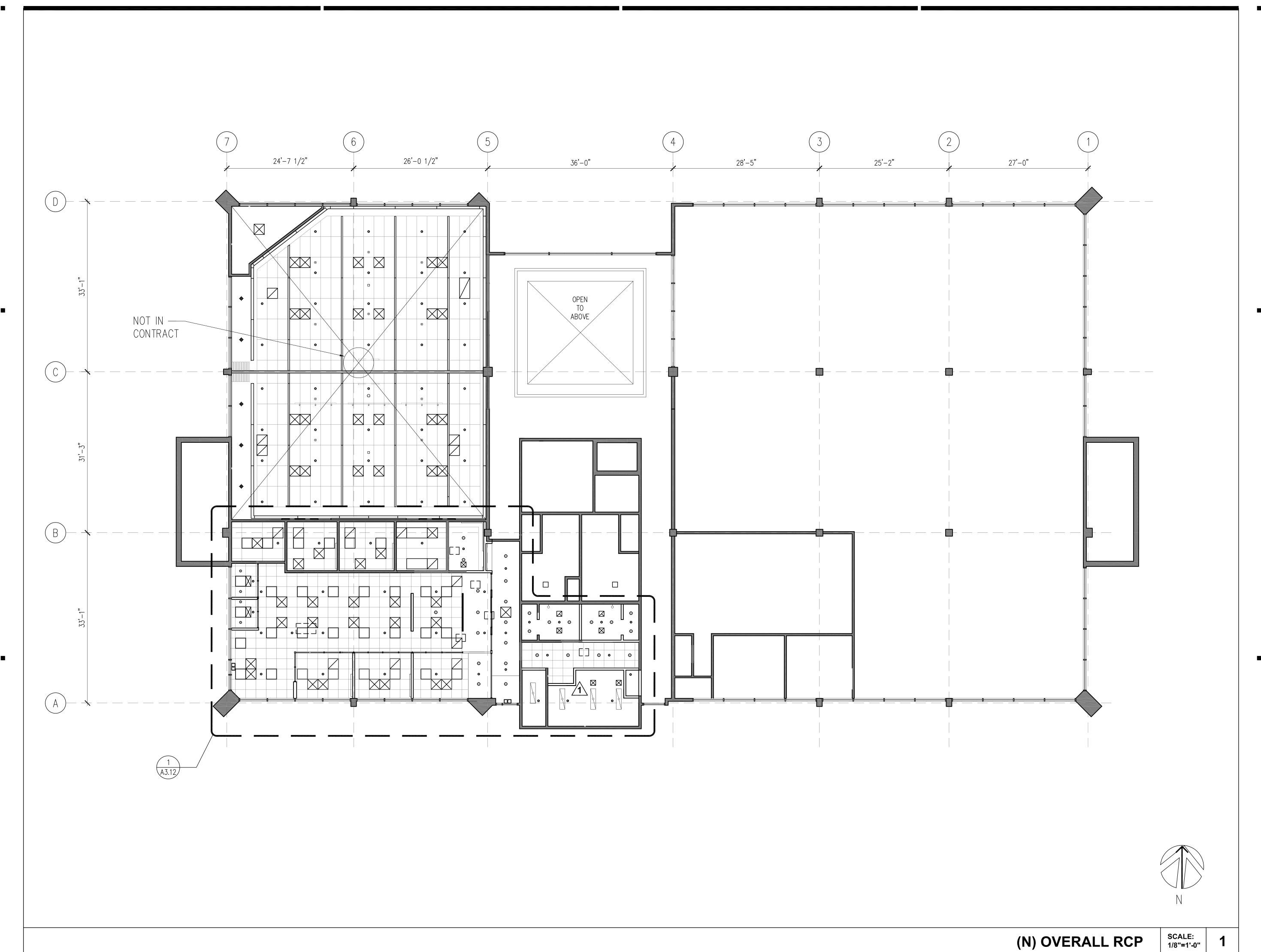
SCALE AS NOTED

J□B N□. **201806.01** DATE **01/2021**

DRAWN BY: KK CHECKED BY: AP

A3.02

SHEET NO.





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CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.

PLAN REVIEW ACCEPTANCE

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CALIFORNIA BUILDING, PLUMBING, MECHANICAL,

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NON STRUCTURAL BY: Joshua Yauson

STRUCTURAL BY: Yauxian Chen DATE: 04/01/2024

WEST COAST CODE CONSULTANTS, INC. (WC³)



CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) OVERALL RCP

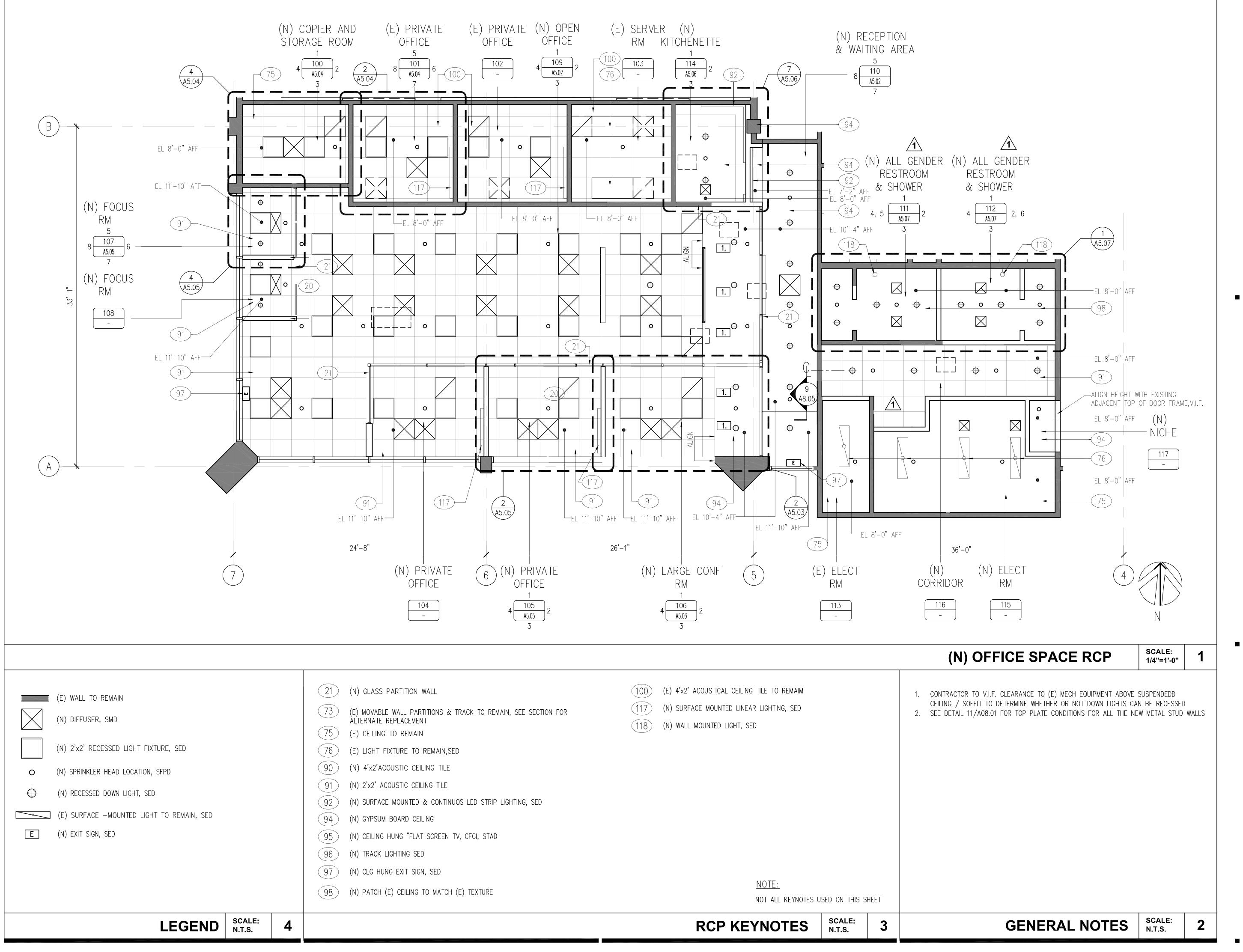
SCALE AS NOTED

JOB NO. 201806.01
DATE 01/2021

DATE 01/20
DRAWN
BY: KK

A3.10

SHEET NO.





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CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.

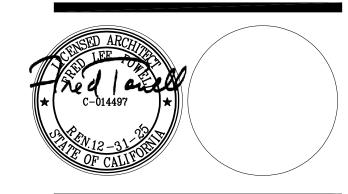
PLAN REVIEW ACCEPTANCE

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NON STRUCTURAL BY: JOSHUA JUANSON STRUCTURAL BY: JUANNA CHEM DATE: 04/01/2024

WEST COAST CODE CONSULTANTS, INC. (WC°)



CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) OFFICE SPACE

SCALE AS NOTED

CHECKED BY: **FP**

JOB NO. **201806.01** SHEET NO.

DATE **02/2023**DRAWN

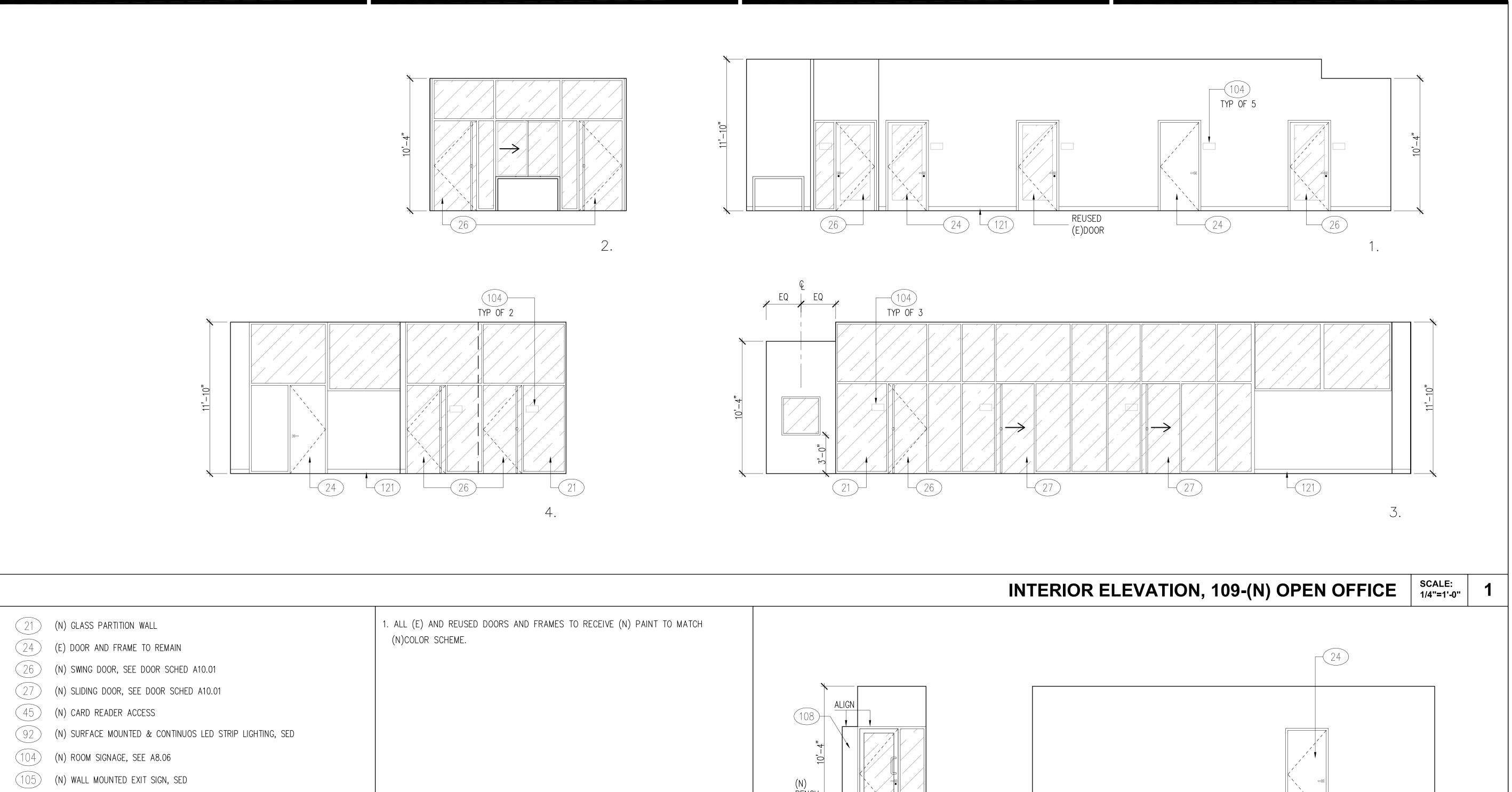
DRAWN

DRAWN

KK

A3.12

FILE NAME: 201806.01/145CADD/A_ARCH/SHTS



GENERAL NOTES SCALE: N.T.S.

3

(N) ACCENT WALL COLOR

(N) RUBBER BASE, SEE 4/A8.02

ELEVATION KETNOTES SCALE: N.T.S.

INTERIOR ELEVATION, 110-(N) RECEPTION & WAITING AREA



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CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.

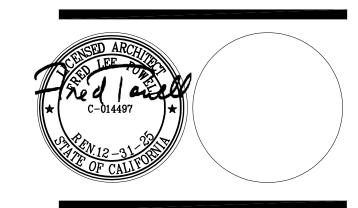
PLAN REVIEW ACCEPTANCE

FOR COMPLIANCE WITH THE APPLICABLE CALIFORNIA BUILDING, PLUMBING, MECHANICAL, ELECTRICAL, AND ENERGY CODES AS AMENDED BY THE JURISDICTION.

PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE, NOR LOCAL REGULATION.

NON STRUCTURAL BY: Joshua Yanson

STRUCTURAL BY: Justian Chem Date: 04/01/2024



CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) INT ELEVATIONS,
OPEN OFFICE,
RECEPTION & WAITING AREA

 SCALE
 AS NOTED

 J□B
 N□.
 201806.01

JOB NO. 201806.01 SHEET NO.

DATE 02/2023

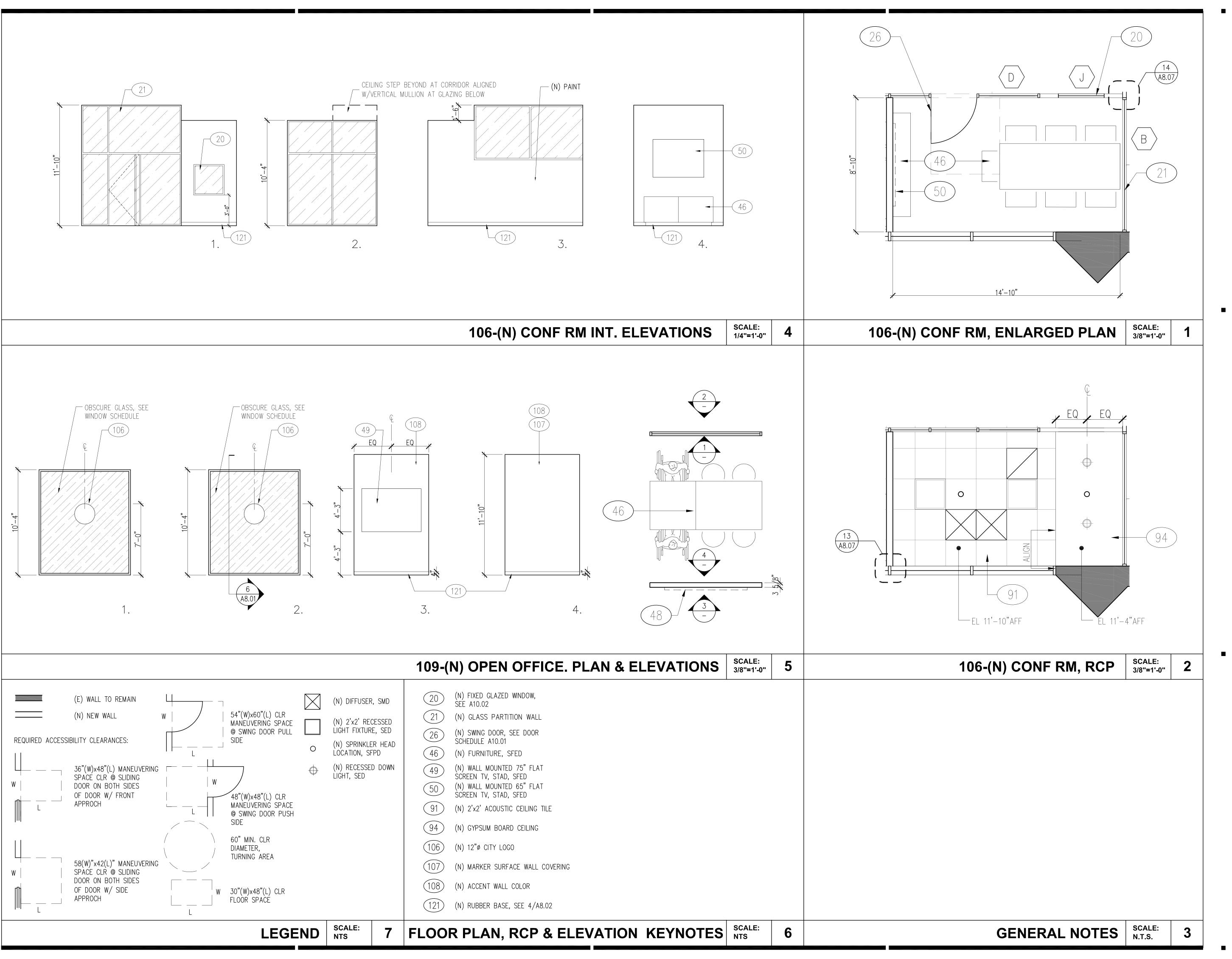
DRAWN
BY: KK

A5.02

FILE NAME: 201806.01/145cadd/a_arch/shts

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

2





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CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.

PLAN REVIEW ACCEPTANCE

FOR COMPLIANCE WITH THE APPLICABLE CALIFORNIA BUILDING, PLUMBING, MECHANICAL, ELECTRICAL, AND ENERGY CODES AS AMENDED BY THE JURISDICTION.

PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE, NOR LOCAL REGULATION.

NON STRUCTURAL BY: JOSHUA JANSON STRUCTURAL BY: JANXAN Chen DATE: 04/01/2024



CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) INT ELEVATIONS, ENLARGED PLAN & RCP,OFFICE SPACES

SCALE AS NOTED

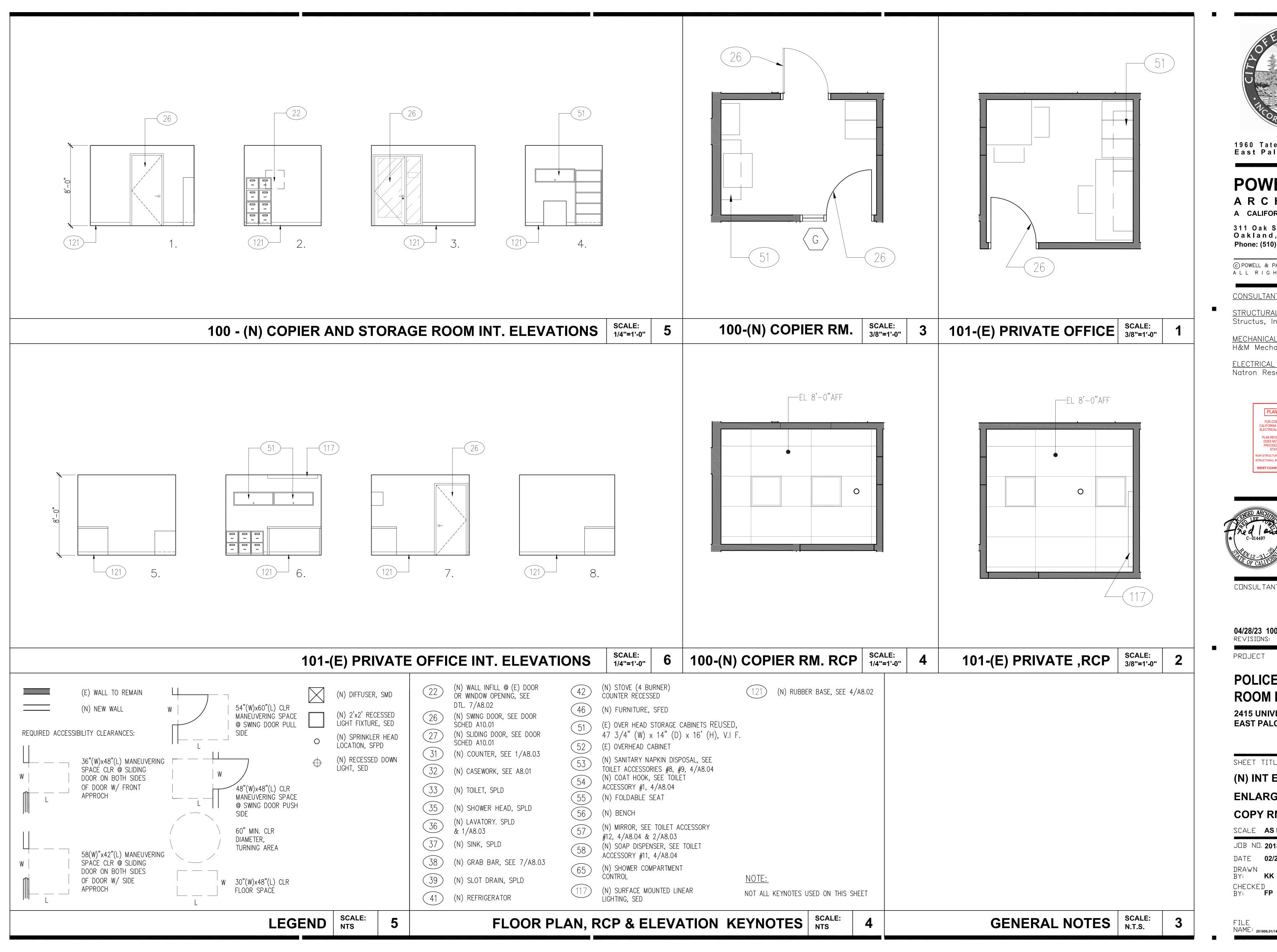
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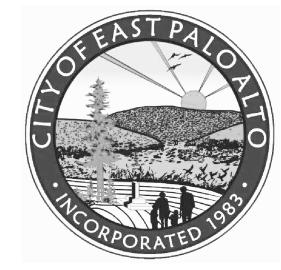
DATE 02/2023

DRAWN

RAWN /: **KK** HECKED /: **FP**

A5.03





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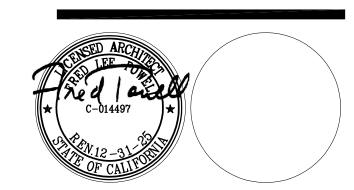
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

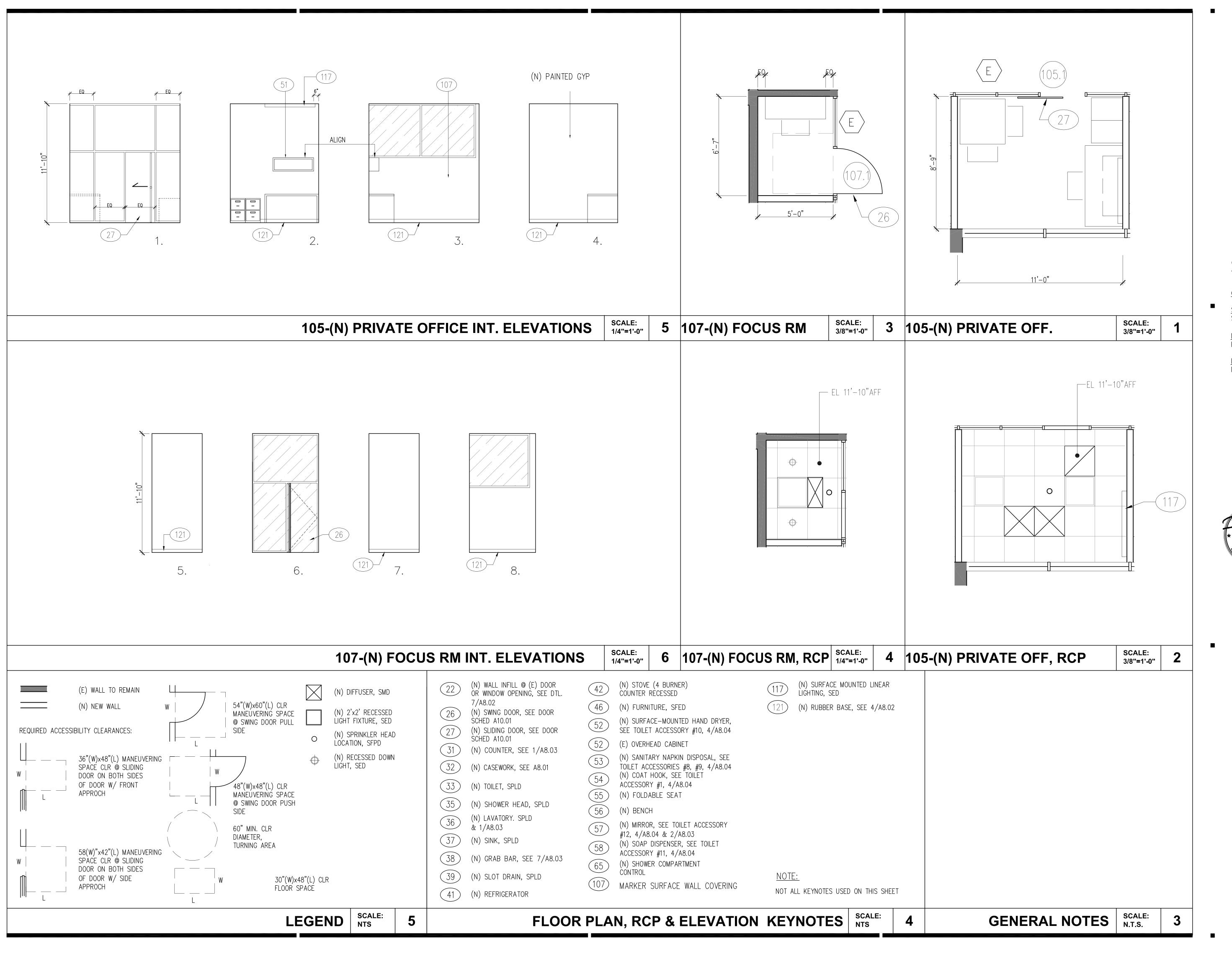
(N) INT ELEVATIONS, **ENLARGED PLAN & RCP, COPY RM & (E) PR OFFICE**

SCALE AS NOTED

SHEET NO. JDB ND 201806.01 DATE **02/2023** DRAWN

A5.04

FILE NAME: 201806.01/145CADD/A_ARCH/SHTS





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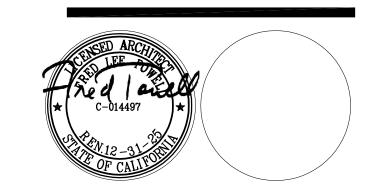
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) INT ELEVATIONS, ENLARGED PLAN & RCP, FOCUS RM & PR OFFICE

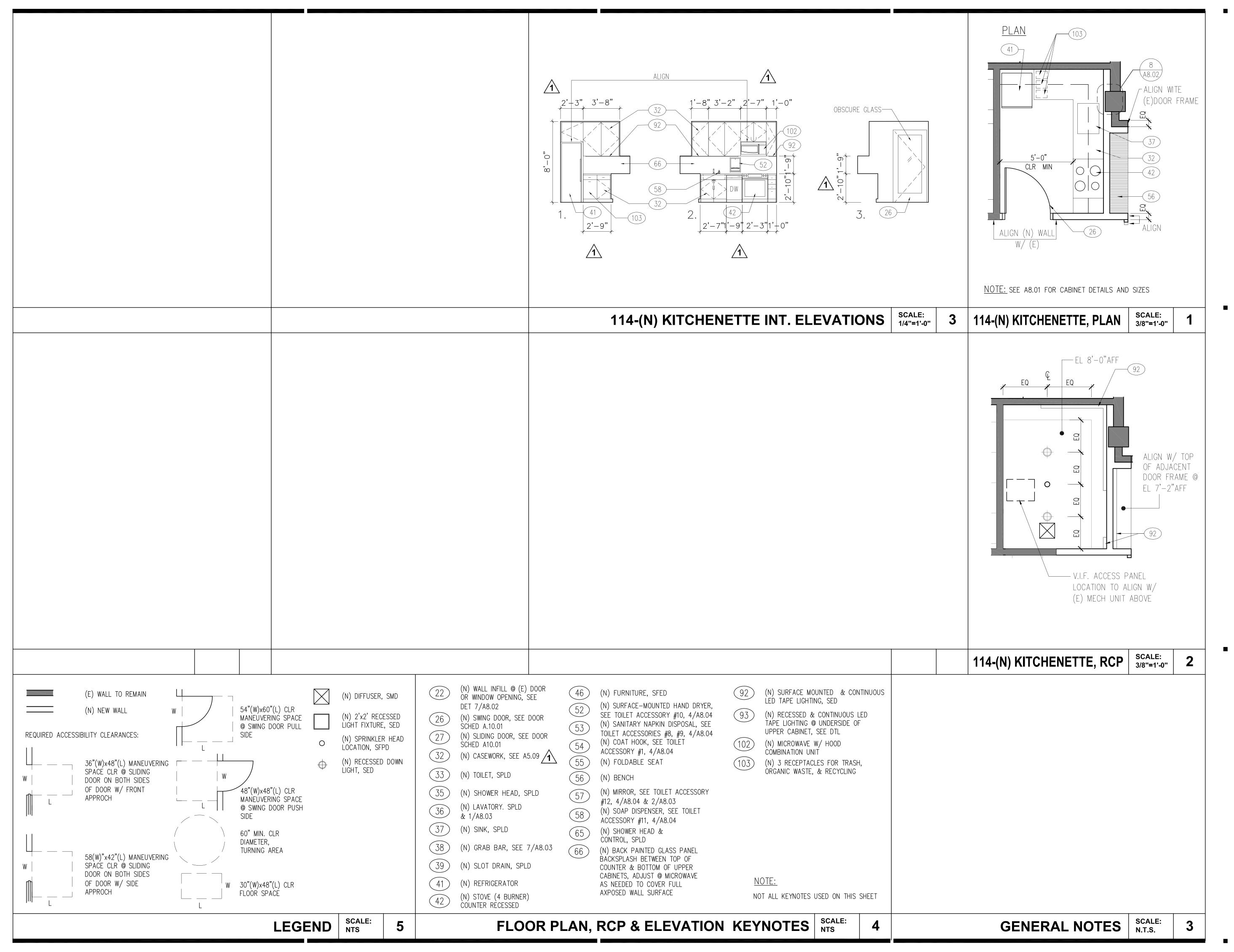
SCALE AS NOTED

JOB NO. 201806.01 SHEET NO.

DATE 02/2023

DRAWN BY: **KK** CHECKED

A5.05





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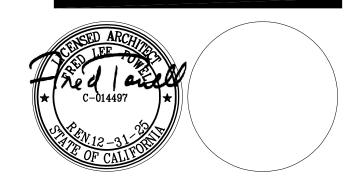
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS

04/28/23 100% BLDG PERMIT SETREVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) INT ELEVATIONS,
ENLARGED PLAN & RCP,
& KICHENETTE

CALE AS NOTED

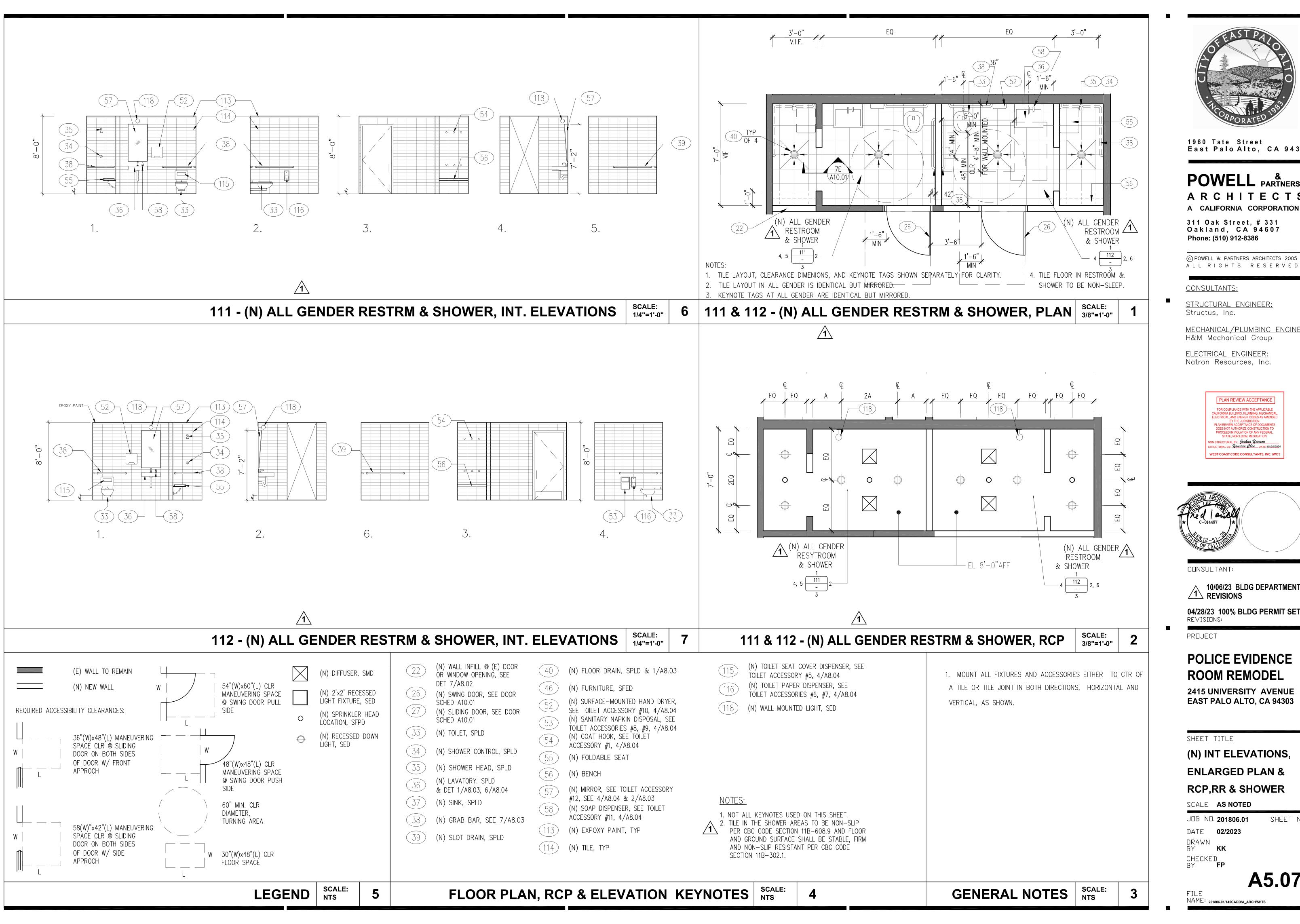
SCALE AS NOTED

JOB NO. 201806.01 SHEET NO. DATE 02/2023

DRAWN BY: **KK** CHECKED BY: **FP**

A5.06

FILE NAME: 201806.01/145CADD/A_ARCH/SHTS



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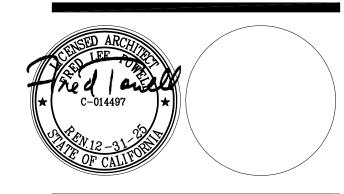
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.

PLAN REVIEW ACCEPTANCE



CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

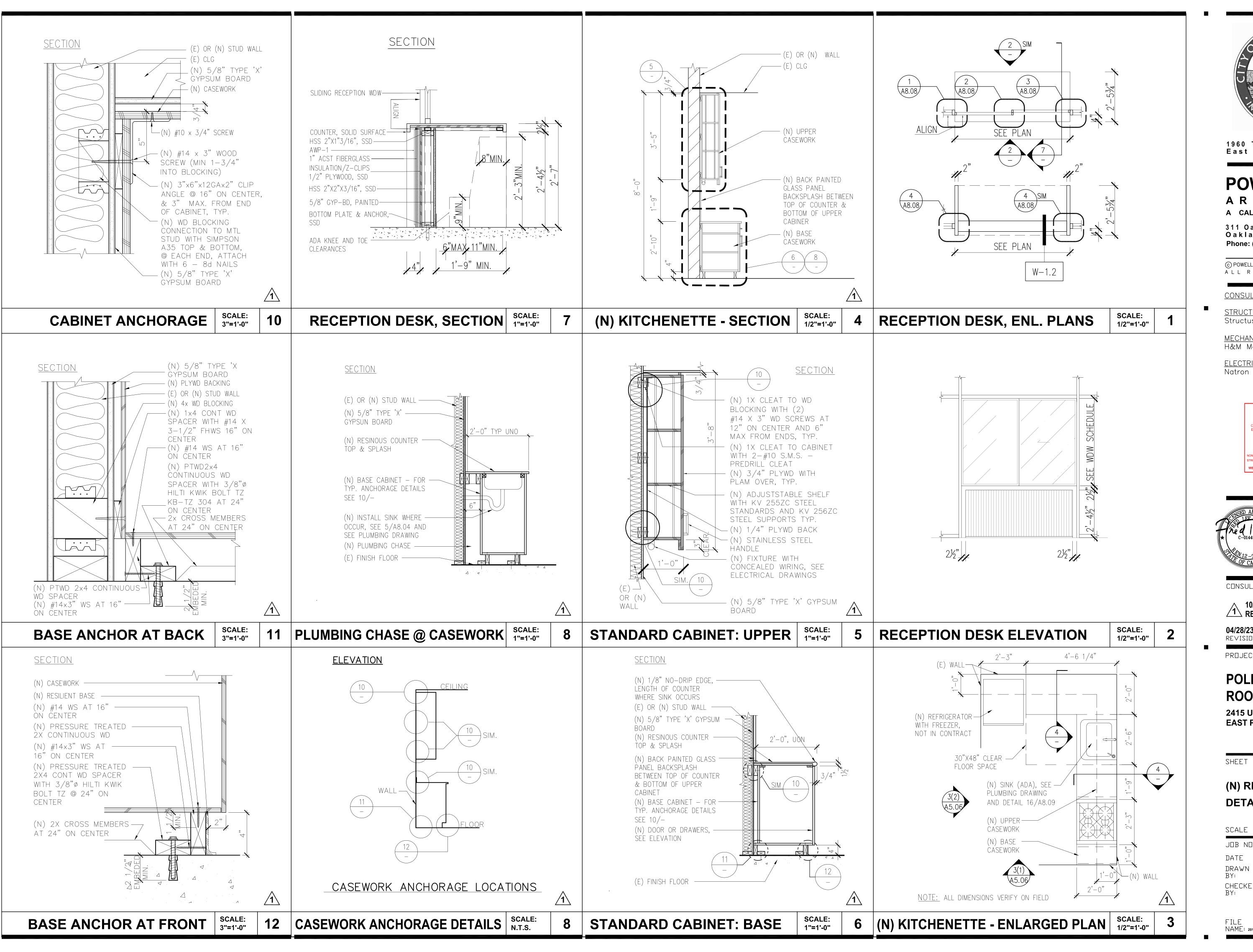
(N) INT ELEVATIONS, **ENLARGED PLAN &** RCP,RR & SHOWER

SCALE AS NOTED

J□B N□ **201806.01** SHEET NO. DATE **02/2023** DRAWN

A5.07

NAME: 201806.01/145CADD/A_ARCH/SHTS





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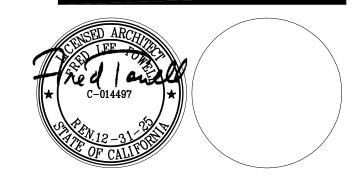
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

10/06/23 BLDG DEPARTMENT $\sqrt{1}$ REVISIONS

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) RECEPTION DESK **DETAILS**

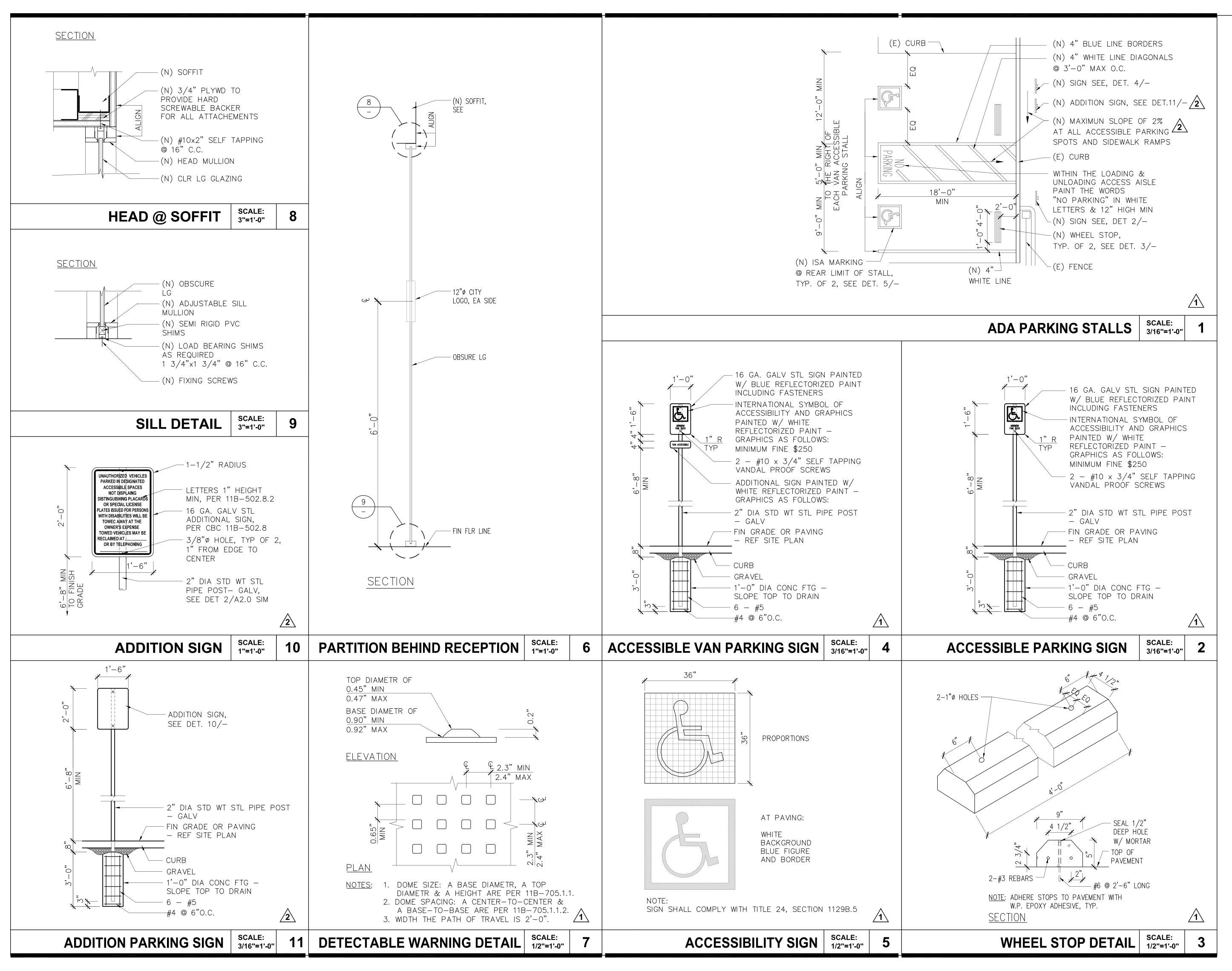
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JDB ND. **201806.01** DATE **02/2023**

CHECKED AP

A5.09

SHEET NO.





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CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

Phone: (510) 912-8386

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

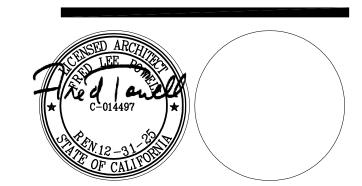
ELECTRICAL ENGINEER:
Natron Resources, Inc.

PLAN REVIEW ACCEPTANCE

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NON STRUCTURAL BY: JOSHUA YAUSON STRUCTURAL BY: JOSHUA YAUSON DATE: 04/01/2024



CONSULTANT:
12/22/23 BLDG DEPARTMENT
REVISIONS

10/06/23 BLDG DEPARTMENT REVISIONS

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) INTERIOR SECTIONS & DETAILS,

(N) SITE DETAILS

SCALE AS NOTED

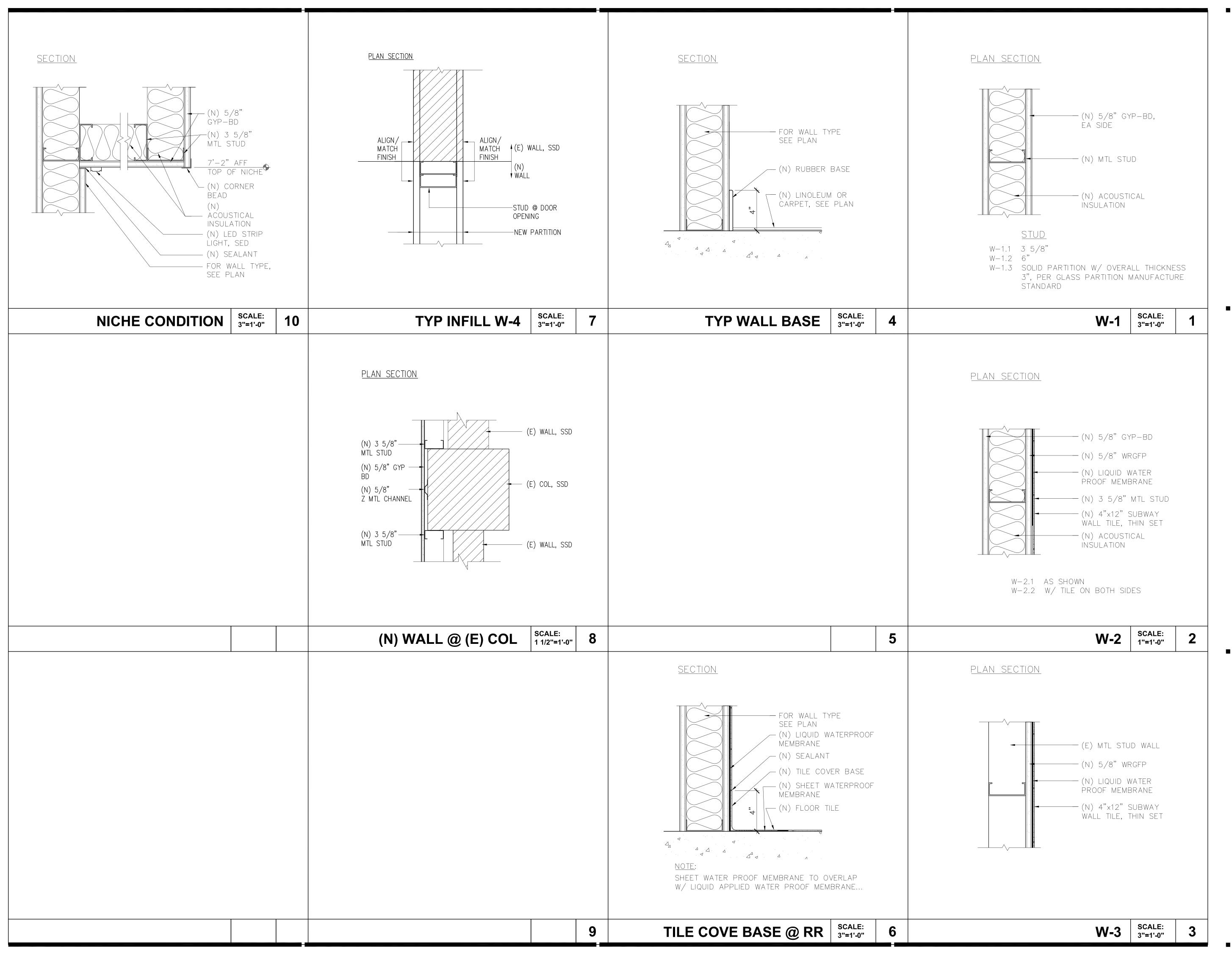
CHECKED BY: **AP**

JOB NO. 201806.01 SHEET NO.

DATE 01/2021

DRAWN
BY: KK

A8.01





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CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.

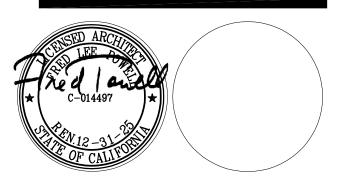
PLAN REVIEW ACCEPTANCE

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NON STRUCTURAL BY: JOSHUA JANSON STRUCTURAL BY: JOSHUA JOANS JOSHUA BY JANZON STRUCTURAL BY: JOSHUA JOANS JOSHUA BY JANZON DATE: 04/01/2024

WEST COAST CODE CONSULTANTS, INC. (WC3)



CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) INT WALL
TYPES & DETAILS

SCALE AS NOTED

JOB NO 201806.01

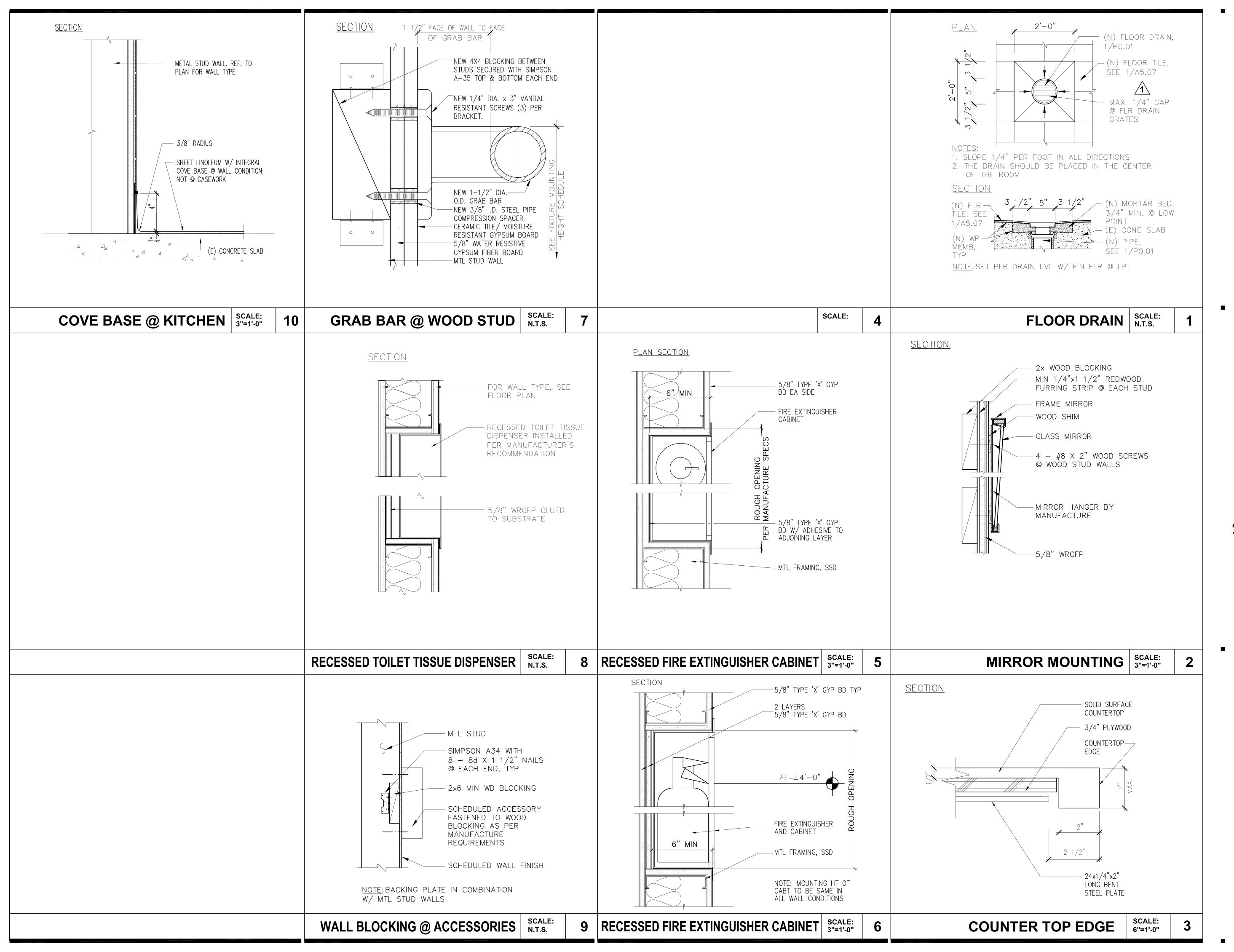
DATE 02/2023

DRAWN
BY: KK

CHECKED BY: **FP**

A8.02

SHEET NO.





POWELL PARTNERS A R C H I T E C T S A CALIFORNIA CORPORATION

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CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

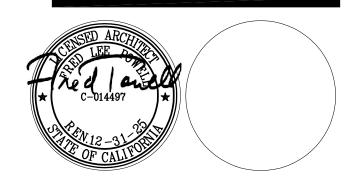
ELECTRICAL ENGINEER: Natron Resources, Inc.

PLAN REVIEW ACCEPTANCE

FOR COMPLIANCE WITH THE APPLICABLE CALIFORNIA BUILDING, PLUMBING, MECHANICAL, ELECTRICAL, AND ENERGY CODES AS AMENDED BY THE JURISDICTION.

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NON STRUCTURAL BY: JOSHUA YANSON STRUCTURAL BY: JANKAUA CHEN DATE: 04/01/2024



CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS
04/28/23 100% BLDG PERMIT SET

PROJECT

REVISIONS:

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

INTERIOR DETAILS

SCALE AS NOTED

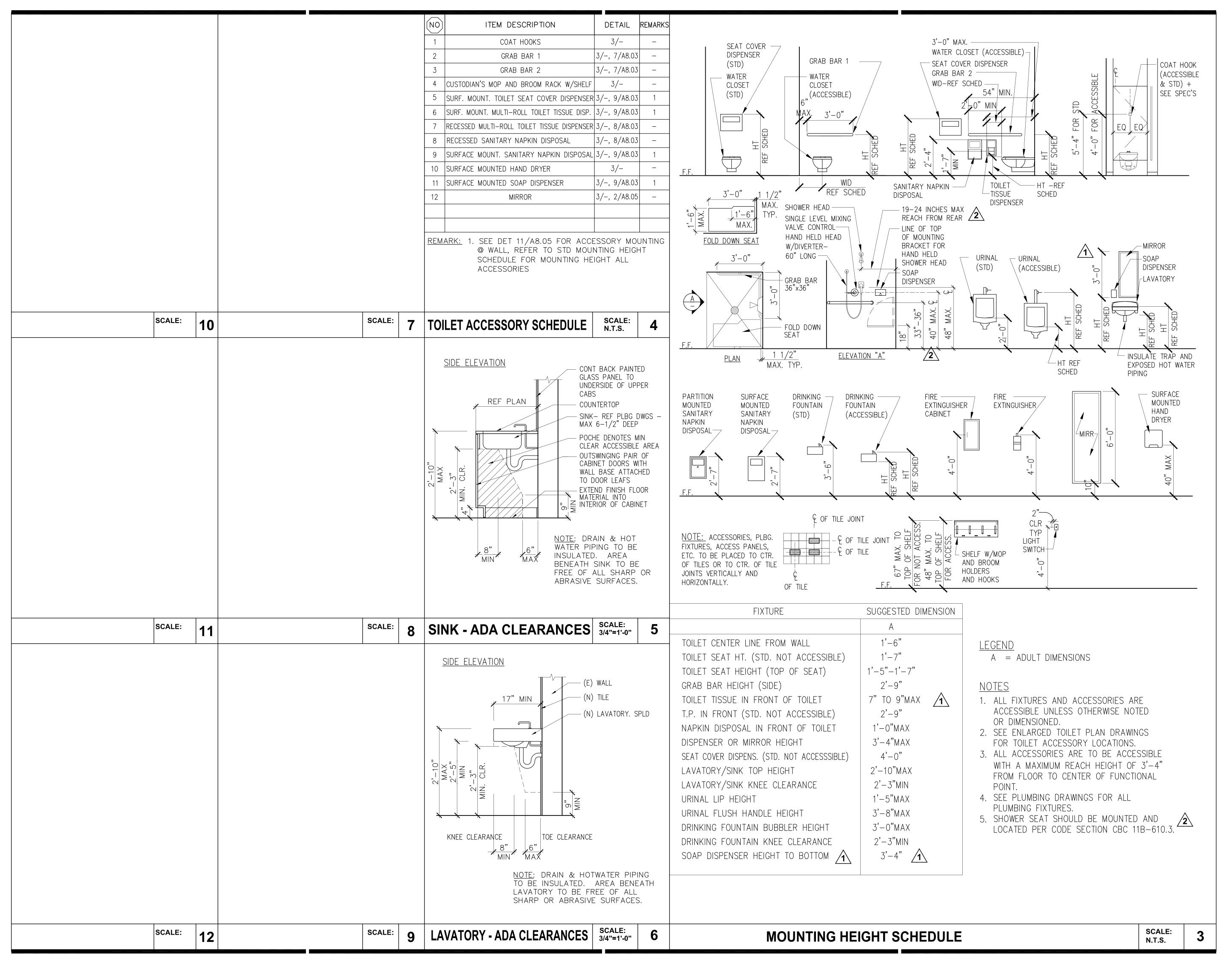
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DATE 02/2023

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A8.03





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CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

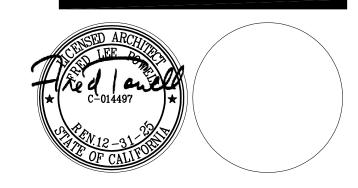
MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.

PLAN REVIEW ACCEPTANCE

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NON STRUCTURAL BY: JOSHUA JANSON
STRUCTURAL BY: JANSON
STRUCTURAL BY: JANSON
DATE: 04/01/2024



12/22/23 BLDG DEPARTMENT REVISIONS
10/06/23 BLDG DEPARTMENT REVISIONS

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

MOUNTING HEIGHT &
SPECIALTY SCHEDULE,
ADA CLEARANCES

SCALE **AS NOTED**

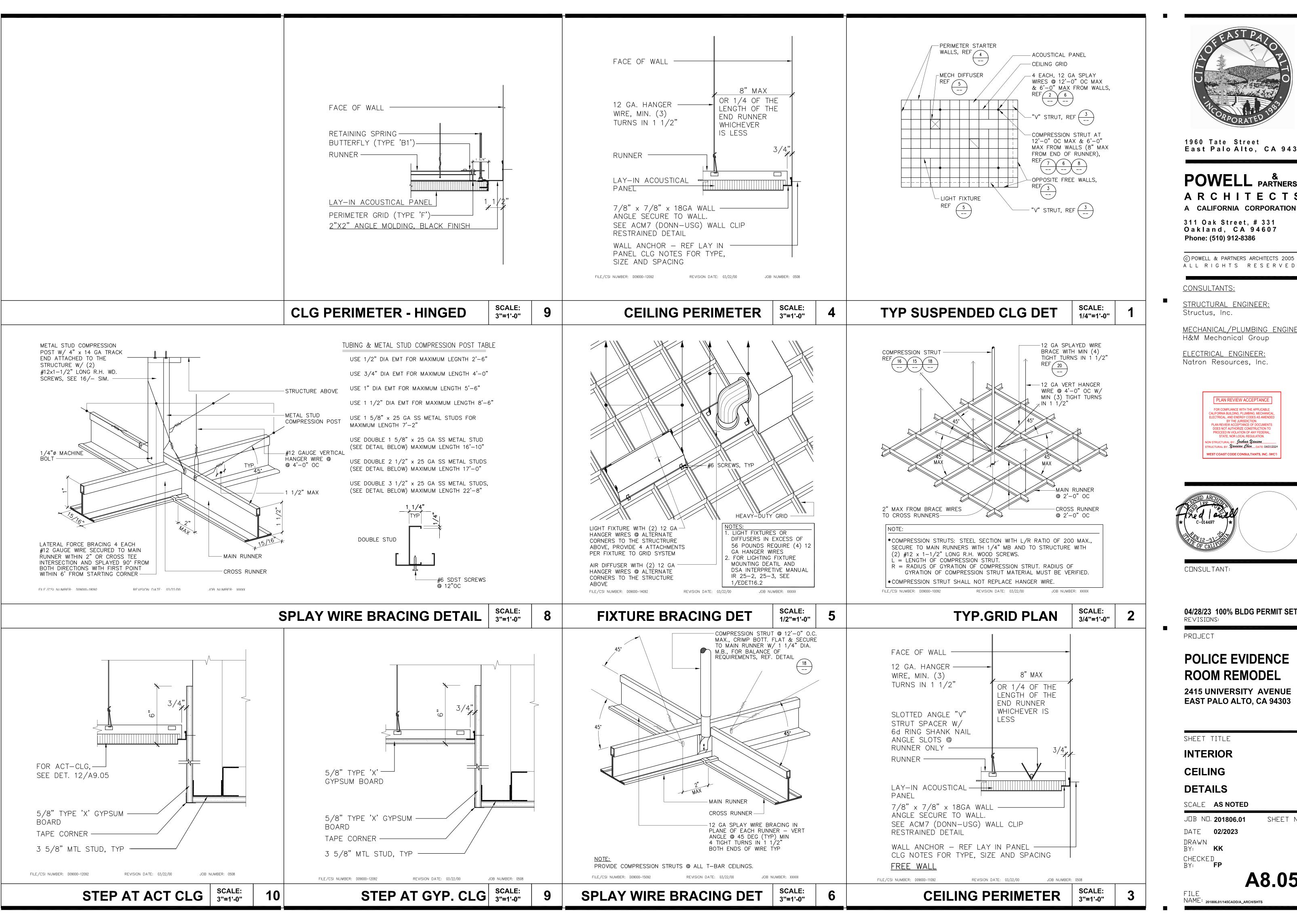
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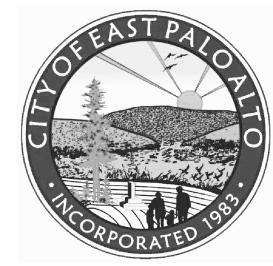
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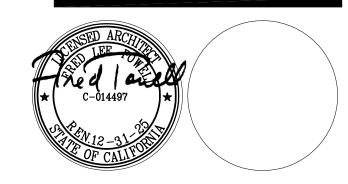
STRUCTURAL ENGINEER:

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.

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CONSULTANT

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

INTERIOR CEILING

DETAILS

SCALE AS NOTED

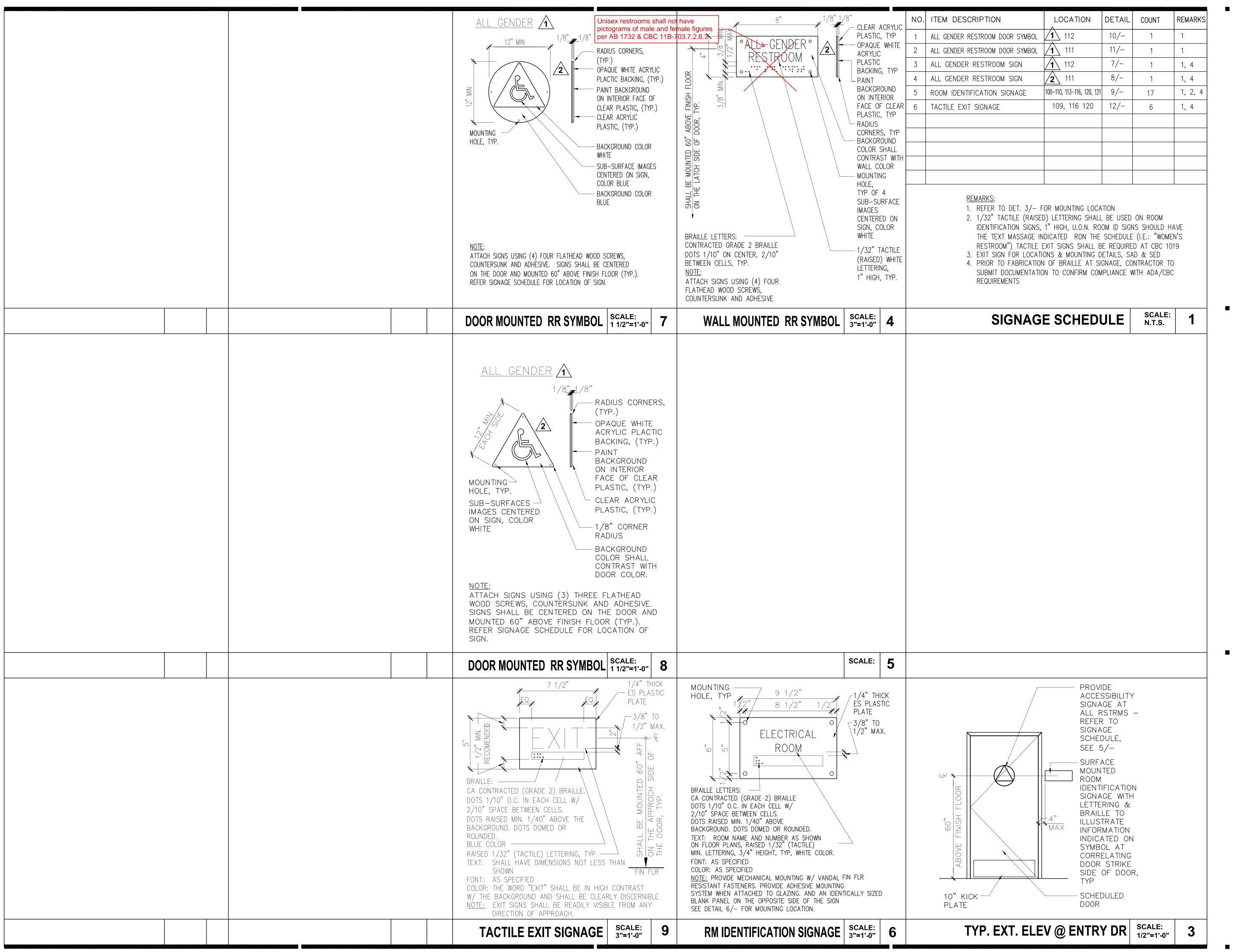
JDB ND. **201806.01** DATE **02/2023**

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SHEET NO.

NAME: 201806.01/145CADD/A_ARCH/SHTS





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CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER:
H&M Mechanical Group

ELECTRICAL ENGINEER:
Natron Resources, Inc.

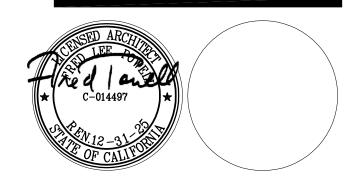
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NON STRUCTURAL BY: Joshua Janson

STRUCTURAL BY: Jurian Chem Date: 04/01/2024



CONSULTANT:
02/12/24 BLDG DEPARTMENT
REVISIONS

10/06/23 BLDG DEPARTMENT
REVISIONS
04/28/23 100% BLDG PERMIT SET

PROJECT

REVISIONS:

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

SIGNAGE DETAILS & SCHEDULE

SCALE **AS NOTED**

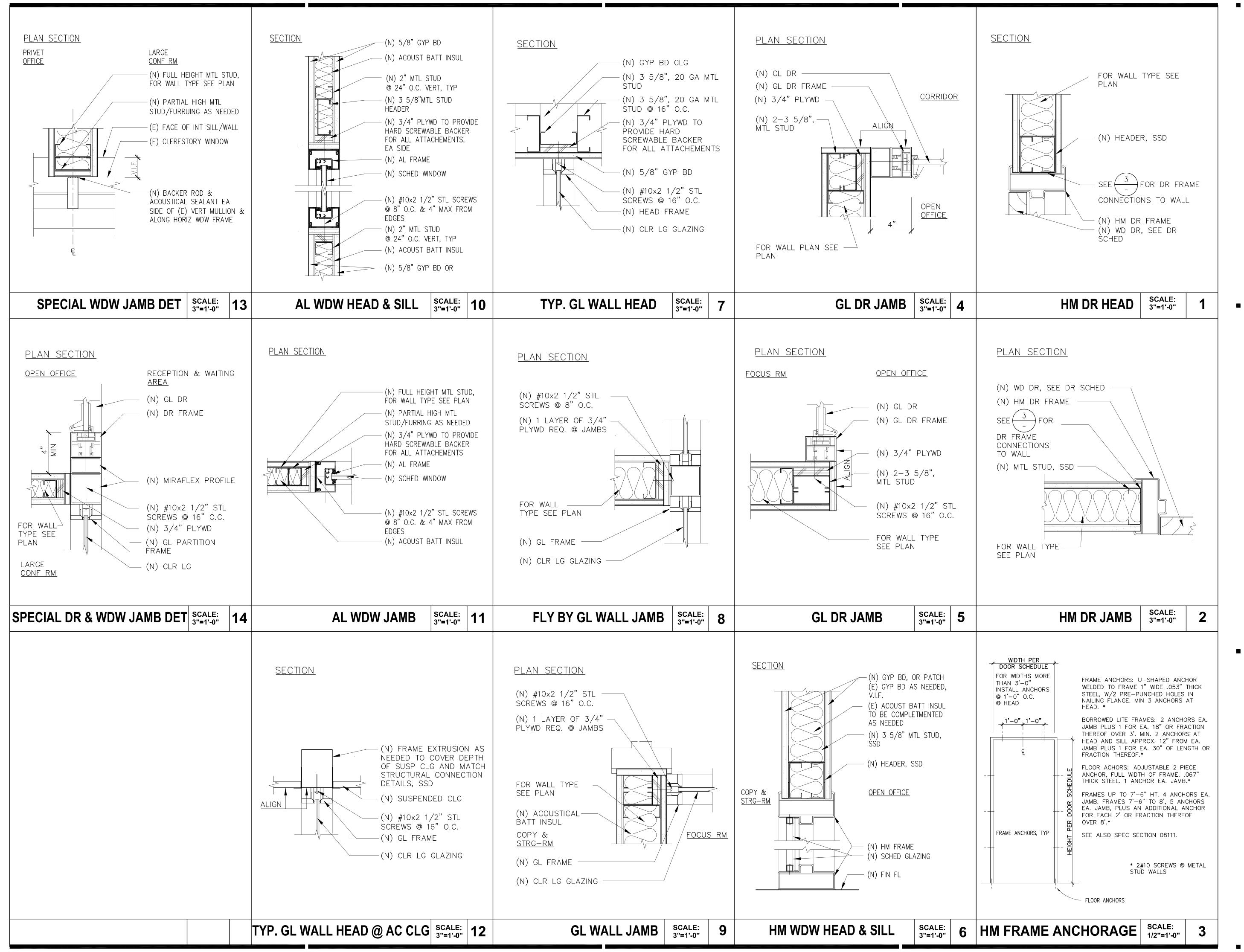
JOB NO. 201806.01 SHEET NO.

DATE 02/2023

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A8.06





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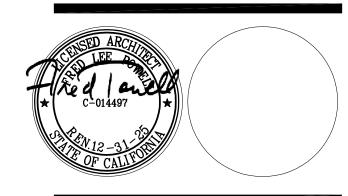
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER:
Natron Resources, Inc.





CONSULTANT:

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PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

DOOR & WINDOW DETAILS

SCALE AS NOTED

JOB NO. 201806.01

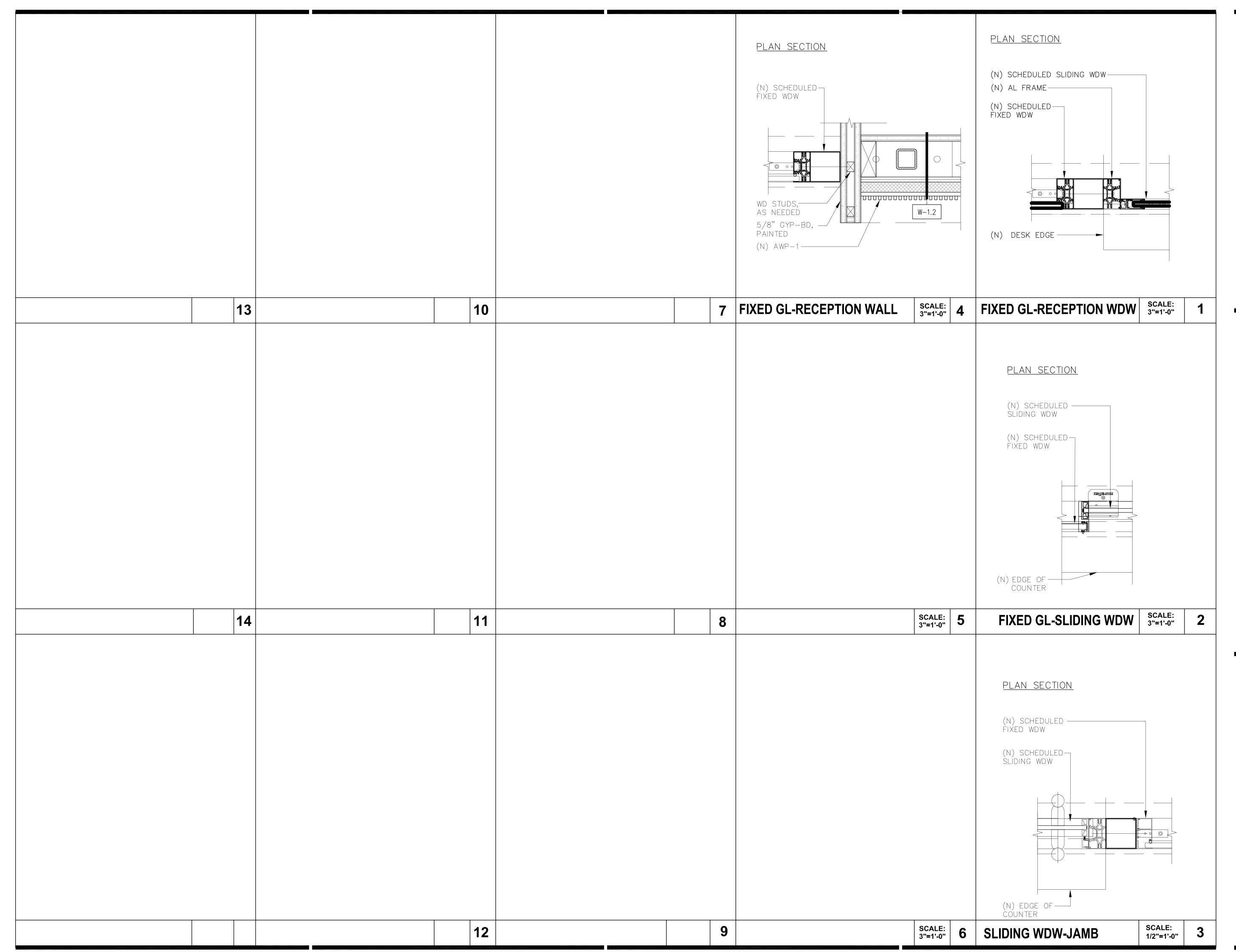
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A8.07

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CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

WINDOW DETAILS

SCALE AS NOTED

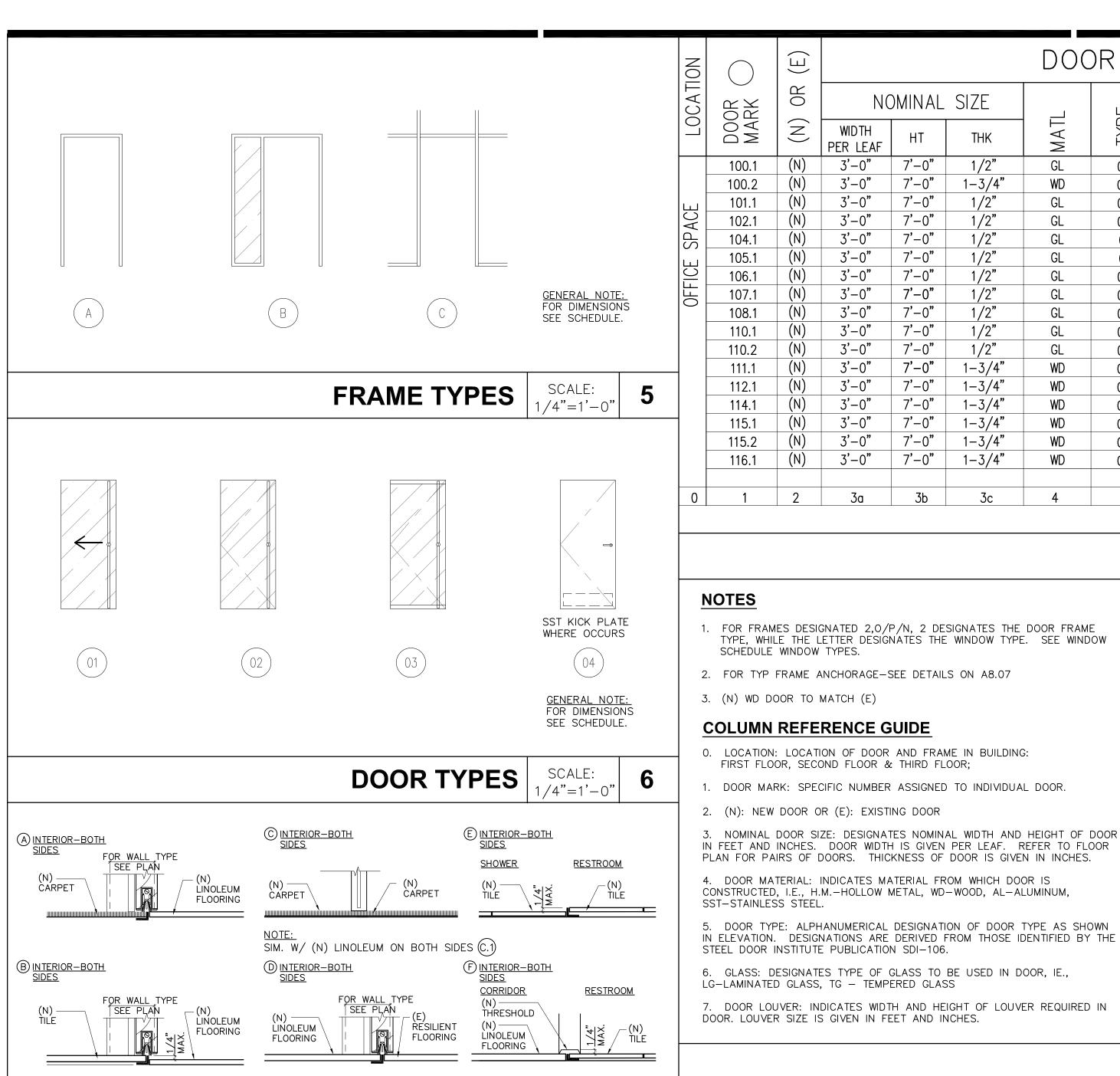
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DATE 02/2023

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BY: KM

CHECKED
BY: FP

A8.08



SIM. W/ (E) TILE @ LOBBY CONDITION/ (E) RESILIENT FLOORING (D.1)

ALL FLOORING TRANSITIONS SHALL BE PLACED ON THE DOOR LEAF SIDE AND TO BE COVERED BY THE DOOR LEAF AS SHOWN HERE. 2. TYPE 'D' ALSO OCCURS AT THE (E) ENTRY DOOR FROM THE MAIN LOBBY.

THRESHOLD DETAILS

SCALE: N.T.S.

COLUMN REFERENCE GUIDE

- 1. ROOM LOCATION: LOCATION OF ROOM IN BUILDING FIRST FLOOR.
- 2. ROOM NUMBER: SPECIFIC NUMBER ASSIGNED TO INDIVIDUAL ROOM.
- 3. ROOM NAME: DESIGNATES SPECIFIC USAGE OF SPACE.
- 4. FLOOR MATERIAL: DESIGNATES FLOOR MATERIAL, I.E. CONC CONCRETE, WD WOOD, STL STEEL, ETC.
- 5. BASE FINISH: DESIGNATES BASE FINISH I.E. CRP CAPRET, LCB LINOLEUM COVE BASE, TB TILE BASE, TCB - TILE COVER BASE, RB - RUBBER BASE, KEB - KEEP (E) BASE

6. WALL MATERIALS: DESIGNATES MATERIAL FROM WHICH WALLS ARE CONSTRACTED, I.E. XGYP - TYPE X GYPSUM BOARD, WRGFP - WATER RESISTANT GYPSUM FIBER PANEL. NUMERICAL DESIGNATION OF WALL REFERS TO WALL OPENTATION DEFINED BY AREA IDENTITY SHOWN ON PLAN.

- 7. CEILING MATERIAL AND HEIGHT: DESIGNATES MATERIAL FROM WHICH CEILING IS CONSTRUCTED, I.E. GYP - GYPSUM BOARD, XGYP - TYPE X GYPSUM BOARD, SACT - SUSPENDED ACOUSTICAL CEILING TILE.
- 8. WAINSCOT MATERIAL AND HEIGHT: DESIGNATES ANY WAINSCOT MATERIAL, I.E. CT CERAMIC TILE, WD - WOOD, ETC. AND HEIGHT OF WAINSCOT MATERIAL FROM FINISH FLOOR LINE EXPRESSED IN FEET AND INCHES.
- 9. FINISHES: DESIGNATES FINAL FINISH OF FLOOR, WALL AND CEILING, I.E. LIT LINOLEUM TILE, LIS LINOLEUM SHEET, CT - CERAMIC TILE, PT - PORCELAIN TILE, CPT - CARPET, WD - WOOD, KEFF - KEEP (E) FLOOR FINISH, PNT - PAINT, EPNT - EPOXY PAINT, KAI - KEEP AS IS, GP - GLASS PANEL, BPGP - BACK PAINTED GLASS

10. REMARKS: DESIGNATES OR REFERENCES CONDITIONS WHICH EXIST AND ARE NOT COVERED IN SCHEDULE ITEMS 1 THRU 9. REFER TO REMARKS REFERENCE SCHEDULE FOR ALPHANUMERICAL DESIGNATION.

GENERAL NOTE:

IN THIS PROJECT FLOOR, EXT. WALL AND SOME INT. WALLS, AS WELL AS SOME SUSPENDED CEILINGS ARE ALREADY (E), REFER TO PLANS FOR CLARIFICATION OF WHAT IS (E) VERSUS (N).

ROOM FINISH SCHEDULE NOTES

FRAME DOOR HARDWARE ARKS AGE DETAILS NOMINAL SIZE DOOR MARK REM, GROUP PANIC DE\ Ξ \overline{S} HEAD SILL OTHER 2/A8.07 SIM 1/A8.07 SIM 100.1 3'-0" 7'-0" 1/2" GL 02 LG НМ 02 2/A8.07 SIM /A8.07 SIM WD 09 04 2/A8.07 SIM 1/A8.07 SIM 02 02 2/A8.07 SIM 1/A8.07 SIM 02 80 80 01 GL 02 01 5/A8.07 01 02 4/A8.07 GL 03 01 4., 5. | A 4/A8.07 SIM 01 GL 03 4.. 5. A /A8.07 SIM 2/A8.07 SIM 03 WD 2/A8.07 1/A8.07 03 B. F 2/A8.07 1/A8.07 04 2/A8.07 1/A8.07 05 1/A8.07 2/A8.07 YES WD 06 3'-0" 2/A8.07 SIM 1/A8.07 SIM 07 7**'**-0" 2., 5. C.1 7A | 7b 11b 11c 11d 12a 12b 13 14 15

DOOR & FRAME SCHEDULE

SCALE: N.T.S.

SCALE: N.T.S.

LIT TO MATCH (E) RESILIENT FLOORING

SCALE: N.T.S.

CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

1960 Tate Street

East Palo Alto, CA 94303

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Phone: (510) 912-8386

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.

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> PROCEED IN VIOLATION OF ANY FEDERAL,
> STATE, NOR LOCAL REGULATION. STRUCTURAL BY: Joshua Yanson TRUCTURAL BY: Manxian Chen DATE: 04/01/2024

CONSULTANT:

10/06/23 BLDG DEPARTMENT $\frac{1}{2}$ REVISIONS

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) DOOR & FRAME SCHEDULE, FINISH SCHEDULE

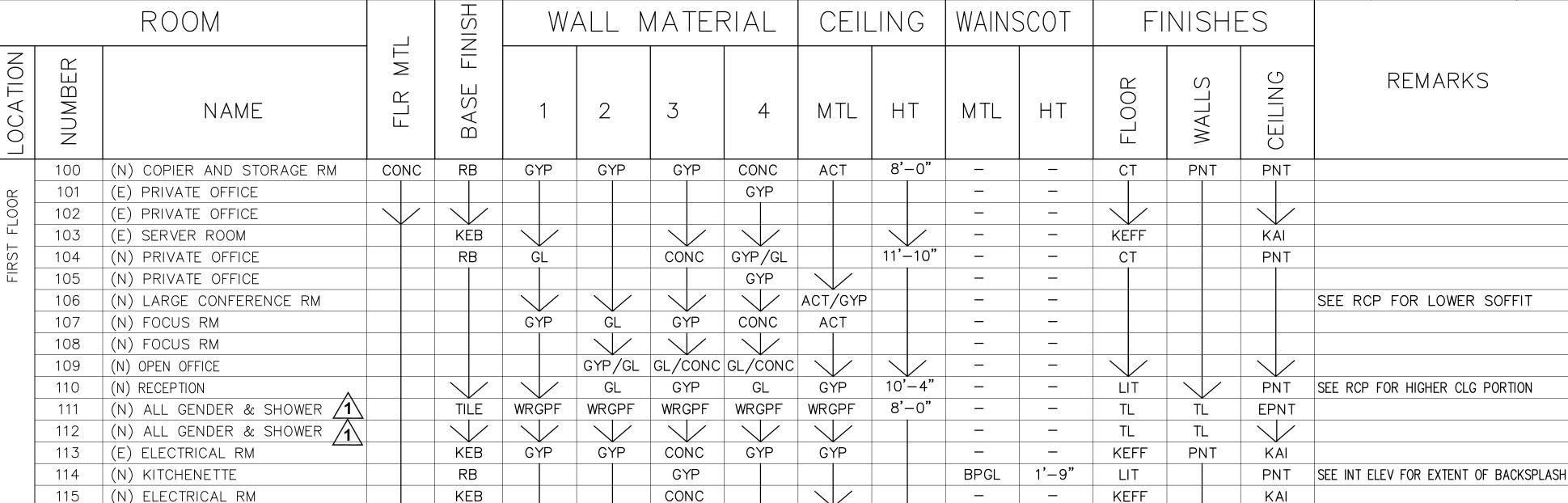
SCALE AS NOTED

JOB NO. **201806.01** DATE **02/2023**

DRAWN

SHEET NO.

NAME: 201806.01/145CADD/A_ARCH/SHTS



ACT

GYP

7a

7b

GYP

I.E., HM-HOLLOW METAL, AL-ALUMINUM, WD-WOOD, SST-STAINLESS STEEL. ETC. 9. FRAME TYPE: NUMERICAL DESIGNATION OF DOOR FRAME TYPE AS SHOWN IN FRAME TYPE ELEVATION-SEE 13/-, ALPHABETICAL DESIGNATION OF WINDOW FRAME TYPE AS SHOWN IN WINDOW ELEVATION-SEE 15/-. 10. GLASS: DESIGNATES TYPE OF GLASS TO BE USED IN FRAME, I.E., WG-WIRE GLASS, LG-LAMINATED GLASS. 11. FRAME DETAILS: REFERENCE NUMBERS FOR FRAME SECTIONS AS CONDITIONS EXIST AT THE WALLS OR JAMBS OF DOORS WITH ANY UNUSUAL DETAILS REFERENCED UNDER SEPARATE HEADING 11d.

8. FRAME MATERIAL: INDICATES MATERIAL FROM WHICH FRAME IS CONSTRUCTED,

9. FRAME TYPE: NUMERICAL DESIGNATION OF DOOR FRAME TYPE AS SHOWN IN FRAME TYPE ELEVATION-SEE 13/-, ALPHABETICAL DESIGNATION OF WINDOW

FRAME TYPE AS SHOWN IN WINDOW ELEVATION-SEE 15/-. 10. GLASS: DESIGNATES TYPE OF GLASS TO BE USED IN FRAME, I.E.,

LG-LAMINATED GLASS, TG - TEMPERED GLASS.

11. FRAME DETAILS: REFERENCE NUMBERS FOR FRAME SECTIONS AS CONDITIONS EXIST AT THE WALLS OR JAMBS OF DOORS WITH ANY UNUSUAL DETAILS REFERENCED UNDER SEPARATE HEADING 11d.

12. HARDWARE GROUP: NUMERICAL DESIGNATION OF HARDWARE GROUPING TO BE APPLIED TO DOOR. REFER TO SPECIFICATIONS FOR DESCRIPTION OF HARDWARE CONTAINED WITHIN GROUPING.

13. SIGNAGE: REFERENCES ITEM NUMBER ON SIGNAGE SCHEDULE-SEE A8.09

2. (E) DOOR SWING TO BE MIRRORED. CONTRACTOR TO VERIFY IF (E) DOOR &

15. REMARKS: DESIGNATES OR REFERENCES SPECIAL, UNUSUAL OR ABSTRACT

1. FOR SIDE LITE & CLERESTORY GLAZING, SEE WINDOW SCHEDULE 3/A10.02. 2. ALL (E) AND REUSED (E) DOORS & FRAMES SHALL RECEIVE (N) PAINT

EXCEPTION (E) POWDER COATED / KYNAR FINISHED DOORS & FRAMES.

SAFETY GLAZING MUST BE PROVIDED AT HAZARDOUS LOCATIONS PER

CBC 2406.4, INCLUDING, BUT NOT LIMITED TO, GLAZING WITHIN 18 INCHES

OF A WALKING SURFACE, GLAZING IN DOORS, AND WINDOWS ADJACENT TO

TO MATCH (N) DOORS REFER TO SPECS FOR SCOPE OF WORK.

CONDITIONS WHICH EXIST AND ARE NOT COVERED IN SCHEDULE ITEMS 1 THRU 16

(N) DOOR WITHIN (E) FRAME. 5. DOOR WITH CARD READER ACCESS.

6. DOOR W/ (NO EXIT SIGN, SED

DOOR & FRAME SCHEDULE NOTES

LIT

ROOM FINISH SCHEDULE

REMARKS

FRAME CAN BE MODIFIED ACCORDINGLY 4. (N) DOOR WITHIN (N) OFFICE GLASS PARTITION WALL, SEE WDW SCHEDULE.

16. THRESHOLD

GENERAL NOTES:

14. DOOR AND FRAME FIRE RATING: DESIGNATES FIRE RESISTANCE RATING FOR 7. DOOR LOUVER: INDICATES WIDTH AND HEIGHT OF LOUVER REQUIRED IN DOOR AND FRAME WITH TIME PERIOD REQUIRED IN MINUTES. DOOR. LOUVER SIZE IS GIVEN IN FEET AND INCHES.

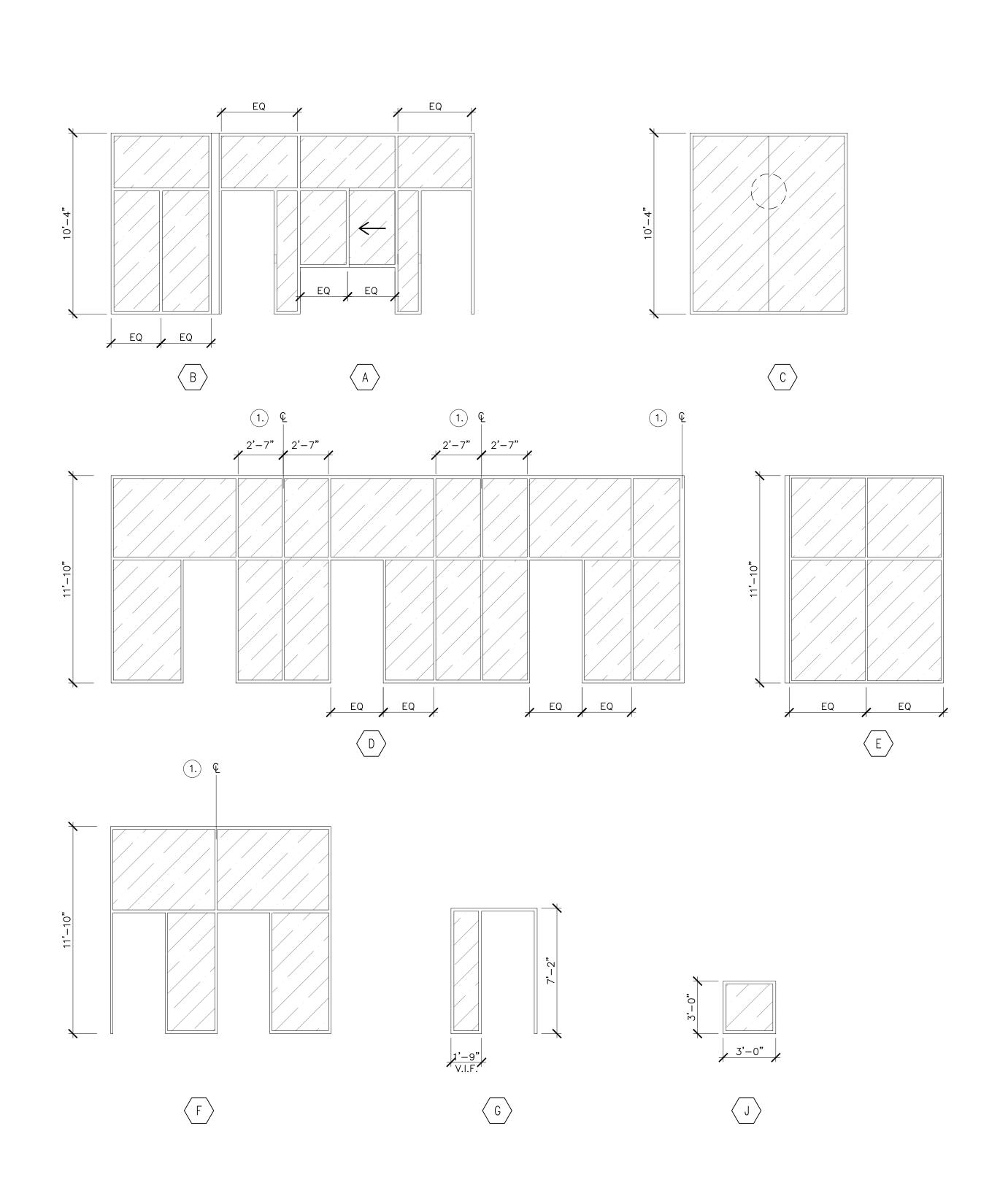
TYPE, WHILE THE LETTER DESIGNATES THE WINDOW TYPE. SEE WINDOW

SCHEDULE WINDOW TYPES.

FIRST FLOOR, SECOND FLOOR & THIRD FLOOR;

116 (N) CORRIDOR

117 (N) NICHE



NOTE: 1. ALIGN WITH CTR OF (N) WAQLL PARTITION, WHICH IS CENTERED ON (E) CLERESTORY WINDOW MULLION PER PLAN

FLOOR	SYMBOL	OPERABLE	SIZ	ZE	MATERIAL	GLASS		DET	AILS		FIF RAT	RE ING	REMAR	2KS
	S	0PE	W	HT	MA	19	JAMB	HEAD	SILL	SPECIAL DETAIL	LBL	HR		
	Α	N	SEE 3/-	SEE 3/-	AL	GL	4/A8.07		9/A8.07	1, 2, 4/A8.08	_	_		
	В	N	SEE 3/-	SEE 3/-	AL	GL	11/A8.07		9/A8.07	_	_	_		
	С	N	SEE 3/-	SEE 3/-	AL	OLG	_	8/A8.01	9/A8.07	_	_	_		
	D	N	SEE 3/-	SEE 3/-	AL	GL	5/A8.07 SIM	12/A8.07	9/A8.07	-	_	_		
	Е	N	SEE 3/-	SEE 3/-	AL	GL	9/A8.07	12/A8.07	9/A8.07	-	_	_		
	F	N	SEE 3/-	SEE 3/-	AL	GL	5/A8.07	19/A10.07	9/A8.07	_	_	_		
	G	N	SEE 3/-	SEE 3/-	НМ	GL	6/A8.07 SIM	6/A8.07	6/A8.07	-	_	_		
ببر ا	J	N	SEE 3/-	SEE 3/-	AL	GL	10/A8.07 SIM	10/A8.07	10/A8.07	-	_	_		
SPACE														
OFFICE														
	1		2a	2b	3	4	5a	5b	5c	5d	6a	6b	7	
			20							DOW S			NTS	1

COLUMN REFERENCE GUIDE

- 1. SYMBOL MARK: ALPHABETICAL DESIGNATION ASSIGNED TO SPECIFIC WINDOW AS SHOWN IN PLAN AND ELEVATION. SEE REFLECTED CEILING PLANS FOR HIGH WINDOWS, AT OPERABLE COLUMN, N=NO & Y=YES 2. SIZE: OVERALL WIDTH AND HEIGHT OF WINDOW IN FEET AND INCHES.
- 3. MTL (MATERIAL): INDICATES MATERIAL FROM WHICH FRAME IS CONSTRUCTED:

HM - HOLLOW METAL WD - WOOD

AL — ALUMINUM ALP - ALUMINUM PANEL

- 4. GLASS: DESIGNATES TYPE OF GLASS TO BE INSTALLED IN WINDOW. LG - LAMINATED GLASS (CLEAR); OLG - OBSURE LAMINATED GLASS (W/ INTER LAYER) DLG - DOUBLE GLAZING W/ONE LAMINATED GLASS LAYER, ONE TEMPÉRED GLASS LAYER, & LOW-E COATING; FG — FIRELITE GLAZING; GL — CLEAR GLASS; STG — STAINED GLASS; CG — COLORED GLASS; OG — OBSCURE GLASS
- 5. DETAILS: REFERENCE NUMBERS FOR SECTIONS AS CONDITIONS EXIST AT THE WALL, SILL, OR HEAD OF FRAMES WITH ANY UNUSUAL DETAIL REFERENCED UNDER SEPARATE HEADING 5d.
- 6. WINDOW FRAME FIRE RATING: DESIGNATES ALPHABETICAL FIRE RESISTANCE RATING CLASSIFICATION LABEL REQUIRED FOR WINDOW FRAME WITH TIME PERIOD REQUIRED IN HOURS.

GENERAL NOTE

1. SAFETY GLAZING MUST BE PROVIDED AT HAZARDOUS LOCATIONS PER CBC 2406.4, INCLUDING, BUT NOT LIMITED TO, GLAZING WITHIN 18 INCHES OF A WALKING SURFACE, GLAZING IN DOORS, AND WINDOWS ADJACENT TO



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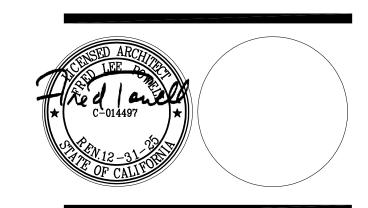
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

10/06/23 BLDG DEPARTMENT 1 REVISIONS

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

WINDOW SCHEDULE

SCALE AS NOTED

J□B N□. **201806.01** DATE **02/2023** DRAWN BY:

CHECKED

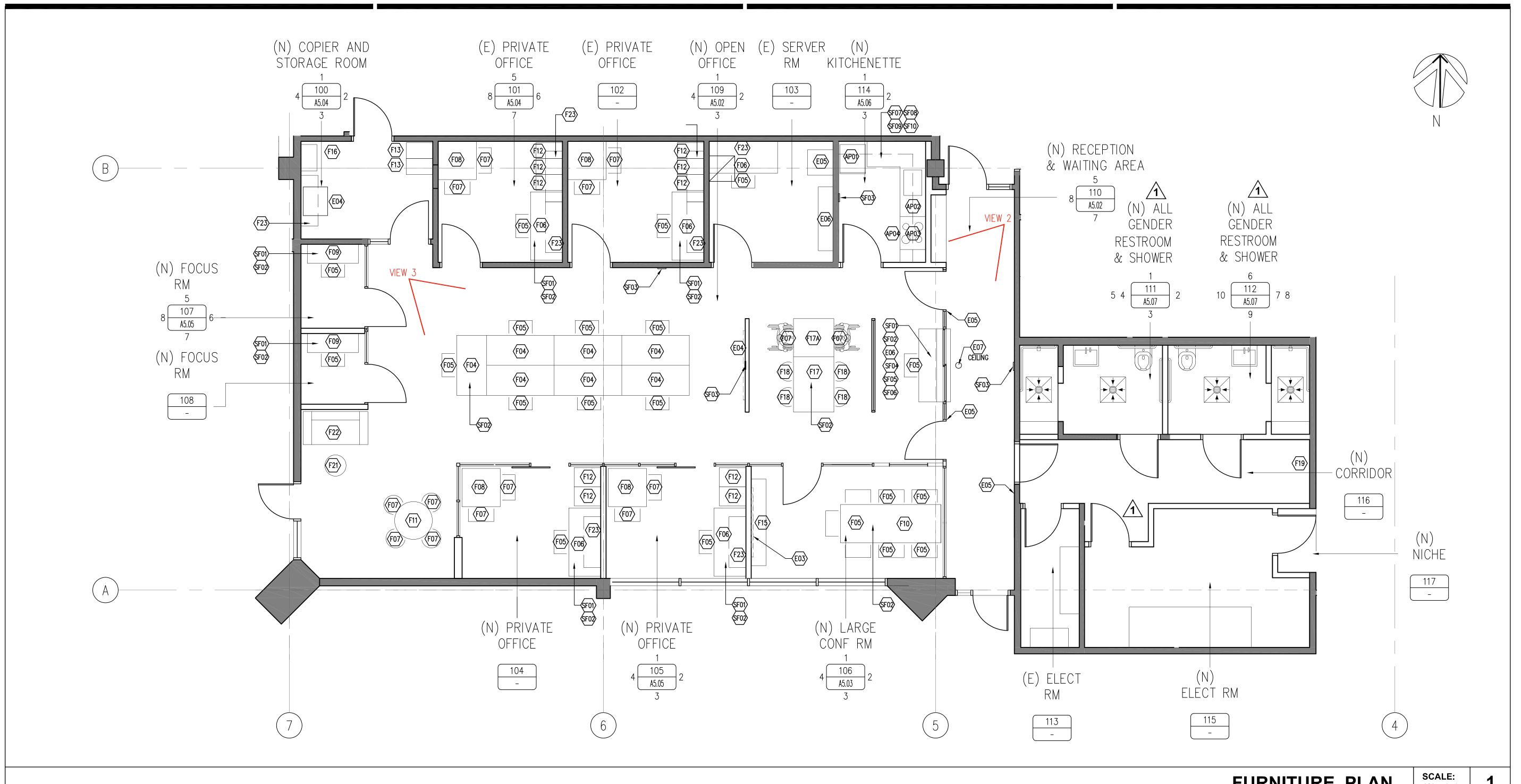
SHEET NO.

NAME: 201806.01/145CADD/A_ARCH/SHTS

WINDOW FRAME TYPES

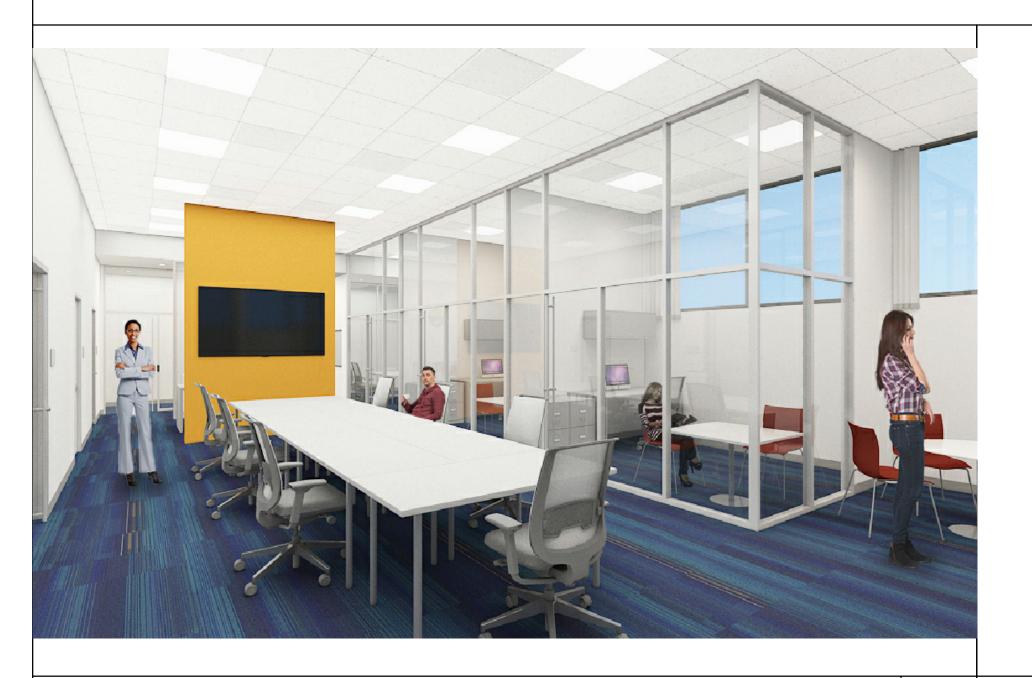
SCALE: N.T.S.

WINDOW SCHEDULE COLUMN REFERENCE GUIDE



FURNITURE PLAN

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



3D VIEW 3



3D VIEW 2

3



3D VIEW 1



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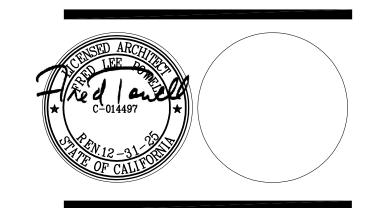
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.

PLAN REVIEW ACCEPTANCE FOR COMPLIANCE WITH THE APPLICABLE
CALIFORNIA BUILDING, PLUMBING, MECHANICAL,
ELECTRICAL, AND ENERGY CODES AS AMENDED
BY THE JURISDICTION.
PLAN REVIEW ACCEPTANCE OF DOCUMENTS
DOES NOT AUTHORIZE CONSTRUCTION TO
PROCEED IN VIOLATION OF ANY FEDERAL,
STATE, NOR LOCAL REGULATION. ION STRUCTURAL BY: *Joshua Yanson* STRUCTURAL BY: *Yanxian Chen* DATE:04/01/2024



CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS

04/28/23 100% BLDG PERMIT SET

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N)OFFICE SPACE FURNITURE PLAN

SCALE AS NOTED

J□B N□. **201806.01** SHEET NO. DATE **02/2023** DRAWN

FE2.12

FILE NAME: 201806.01/145CADD/A_ARCH/SHTS

GENERAL

- 1. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE \{2022 \{CALIFORNIA BUILDING CODE (CBC).
- 2. THESE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SHOWN THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT ARE NOT LIMITED TO BRACING, SHORING OF LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- 3. GENERAL NOTES AND TYPICAL DETAILS APPLY TO THE DRAWINGS UNLESS OTHERWISE NOTED. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER THESE GENERAL NOTES
- 4. CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES, AND VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE ARCH. OF ANY DISCREPANCIES OR INCONSISTENCIES. DO NOT SCALE DRAWINGS.
- 5. FIELD SUBSTITUTION OF STEEL MATERIALS AND FASTENERS ARE NOT ALLOWED WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER.
- 6. CONTRACTOR SHALL PROVIDE STATEMENT OF RESPONSIBILITY AS REQUIRED BY IBC SECTION 1704.
- 7. PLACE CONTROL JOINTS IN GYPSUM BOARD WALLS PER ASTM C840 AND GA-216. SEE ARCHITECTUAL PLANS FOR DETAILS AND ACTUAL LOCATIONS.

TEST AND INSPECTIONS

- 1. SPECIAL INSPECTION BY A REGISTERED BUILDING INSPECTOR APPROVED BY THE OWNER AND THE BUILDING DEPARTMENT, SHALL BE REQUIRED FOR THE FOLLOWING TYPES OF WORK. SEE PROJECT SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.
- INSTALLATION OF EXPANSION TYPE, SCREW TYPE & ADHESIVE TYPE BOLTS IN CONCRETE. B. WELDING OF LIGHT GAUGE STUDS, JOISTS AND ACCESSORIES.

DESIGN CRITERIA

A. SEISMIC:

- 1. DESIGN IS IN ACCORDANCE WITH THE FOLLOWING CRITERIA:
 - SEISMIC IMPORTANCE FACTOR (Ip). 5 PSF MINIMUM LATERAL LOAD B. DESIGN LOADS:
- C. VERTICAL DEFLECTION ALLOWANCES: D. DEFLECTION CRITERIA FOR STUD DESIGN:
- 3/4" UPWARD AND DOWNWARD ..L/240 ...L/360
- 2. THIS DRAWINGS PACKAGE IS BASED ON CONTRACT DRAWING SET: ARCHITECTURAL DRAWINGS DATED: 02/19/2021 AS-BUILT DRAWINGS DATED: 01/15/1974 MEP DRAWINGS DATED: 02/19/2021

COLD-FORMED STEEL

- 1. ALL WORK SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS: AMERICAN IRON AND STEEL INSTITUTE (AISI) DESIGN OF COLD FORMED STEEL STRUCTURAL
 - B. AMERICAN WELDING SOCIETY (AWS) D1.1 AND D1.3 SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURE.
- C. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).
- 2. ALL STUD AND TRACK MATERIAL TO CONFORM TO THE FOLLOWING: A. 16GA AND HEAVIER:
 - 50 KSI MIN YIELD, 65 KSI MIN TENSILE STRENGTH ASTM A1003 STRUCTURAL GRADE 50 TYPE H (ST50H)
 - B. 18 GA AND LIGHTER: 33 KSI MIN YIELD, 45 KSI MIN TENSILE STRENGTH ASTM
 - A1003 STRUCTURAL GRADE 33 TYPE H (ST33H) C. ALL STUDS, TRACKS, AND MISC PIECES TO BE MIN G40 GALVANIZED UNLESS NOTED OTHERWISE. MIN G60 GALVANIZED AT KITCHENS, SHOWER ROOMS, CLUB ROOMS, AND FITNESS ROOMS.
- 3. MISCELLANEOUS STEEL TO CONFORM TO THE FOLLOWING: 33 KSI MIN YIELD, 45 KSI MIN TENSILE
- B. 16GA 10GA C. 3/16" AND HEAVIER
- ASTM A36

50 KSI MIN YIELD, 65 KSI MIN TENSILE

- 4. ALL WELDING TO BE PERFORMED BY CERTIFIED LIGHT GAUGE WELDERS CERTIFIED FOR ALL APPROPRIATE DIRECTION COMPLYING WITH AWS D1.3.
- WELDING RODS TO CONFORM TO THE FOLLOWING:
- A. 18GA AND LIGHTER B. 16GA AND HEAVIER
- E70XX OR E6013 E70XX LOW HYDROGEN C. LT GAUGE TO STRUCTURAL STEEL
- WELDING WIRE FOR FCAW TO CONFORM TO THE FOLLOWING: A. 18GA AND LIGHTER
- E6XT-X OR E7XT-X 3. 16GA AND HEAVIER E7XT-X C. LT GAUGE TO STRUCTURAL STEEL
- E7XT-X LOW HYDROGEN (EXCLUDES -2, -3, -10, -13, -14X AND -GS SUFFIXES)
- 5. NOMINAL WELD SIZES FOR WELDING LIGHT GAUGE MATERIAL SHALL BE AS FOLLOWS: A. 20GA
 - B. 18GA C. 16GA AND HEAVIER

UNO ON PLANS - (8) #8 TOTAL.

F. 20GA (33 MIL)

- 6. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY OR ON AN ANGLE SUCH AS BRACING TO SQUARELY FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD FIRMLY IN POSITION UNTIL PROPERLY FASTENED.
- 7. ALL STUDS SHALL BE ATTACHED BY SCREWS OR WELDS UNLESS NOTED OTHERWISE. WIRE TYING
- OF FRAMING COMPONENTS IS NOT PERMITTED. 8. SPLICES IN TOP AND BOTTOM TRACKS ARE REQUIRED WHERE TRACKS ARE NOT ATTACHED TO A COMMON CONTINUOUS STRUCTURAL MEMBER AND SHALL BE ACCOMPLISHED WITH A NESTED STUD

OF THE SAME GAUGE AS TRACK WITH A 10" LENGTH AND (2) #8 SMS EACH SIDE, EACH TRACK

- 9. SPLICES IN AXIAL LOADED STUDS OR BRACES ARE NOT PERMITTED. ALL WELDS SHALL BE PLUG, BUTT, OR SEAM WELDS. WHERE STUDS ARE BURNED THROUGH BY WELDING, PROVIDE SUITABLE
- STITCH PLATE OF THE SAME GAUGE. 10. ALL CALCULATED STUD PROPERTIES PER AISI SPECIFICATION ARE BASED ON THE FOLLOWING
- THICKNESS: A. 10GA (118 MIL) 0.1017" B. 12GA (97 MIL) C. 14GA (68 MIL) 0.0713" D. 16GA (54 MIL) 0.0566" E. 18GA (43 MIL) 0.0451"

GAP BETWEEN THE STUDS AND THE TRACK WEBS).

11. LATERAL BRIDGING FOR STEEL STUDS IS REQUIRED WHEN WALL BOARD, INSTALLED IN ACCORD WITH BUILDING CODE REQUIREMENTS, DOES NOT CONTINUE FULL HEIGHT ON BOTH SIDES, UNLESS NOTED OTHERWISE. BRIDGING SHALL BE INSTALLED IN ACCORD WITH OUR TYPICAL DETAILS. WALL STUD BRIDGING SHALL BE INSTALLED IN A MANNER TO PROVIDE RESISTANCE TO BOTH MINOR AXIS BENDING AND ROTATION.

0.0346"

12. TRACK SHALL BE UNPUNCHED WITH GAUGE TO MATCH STUD FRAMING UNLESS NOTED OTHERWISE.

14. THE MINIMUM CLEAR DISTANCE FROM THE UTILITY PUNCH HOLE TO END OF MEMBER SHALL BE

- 13. UTILITY PUNCH HOLES IN STUDS SHALL BE LOCATED AWAY FROM CONNECTIONS.
- 10", UNLESS NOTED OTHERWISE. 15. AXIAL LOAD BEARING STUDS MUST BE FULLY SEATED INTO THE WALL TRACKS, (1/16" MAXIMUM
- 16. OPENINGS IN STUD WEBS OTHER THAN STANDARD HOLES PUNCHED BY THE MANUFACTURER ARE PROHIBITED UNLESS SPECIFICALLY DETAILED.
- 17. ALL STEEL STUDS AND TRACKS SHALL BE MANUFACTURED BY A MANUFACTURER WITH A MINIMUM OF TEN YEARS EXPERIENCE. STEEL STUDS AND TRACKS MUST, AT A MINIMUM, MEET THE PROPERTIES LISTED IN THE SSMA PRODUCT TECHNICAL INFORMATION GUIDE AND THE STUD AND TRACK PROPERTIES LISTED ON THIS PAGE. ALL STUDS AND TRACKS SHALL BE LABELED WITH GAUGE. YIELD STRENGTH AND SIZE CLEARLY VISIBLE.

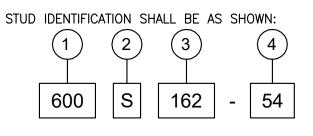
COLD-FORMED STEEL (CONTINUED)

- 18. THESE DRAWINGS ASSUME THAT THE PRIMARY STRUCTURE INCLUDING ELEMENTS SUCH AS ROOF EDGE CLOSURES, SLAB CLOSURES, GIRTS AND OTHER ELEMENTS INTENDED TO SUPPORT AND RESIST LOADS PRODUCED BY THE EXTERIOR FRAMING SYSTEM, HAVE BEEN ADEQUATELY DESIGNED FOR THIS PURPOSE UNLESS SPECIFICALLY NOTED.
- 19. WHERE SLOTTED TRACK IS INDICATED ON THE PLANS, USE BRADY INNOVATIONS 'SLP-TRK' OR EQUAL.
- 20. 'VXS' INDICATES VIPER-X DRYWALL FRAMING SYSTEM.

FINISH COORDINATION

THESE DRAWINGS ONLY DEPICT THE COLD FORMED STEEL FRAMING THAT IS DESIGNED TO MEET SPECIFIED PERFORMANCE REQUIREMENTS. THE FINISHES APPLIED TO THIS FRAMING AND FASTENING THEREOF ARE SPECIFIED AND DESIGNED BY OTHERS AND ARE BEYOND THE SCOPE OF THESE DRAWINGS. THE ADEQUACY OF THE FRAMING TO RECEIVE FINISH ATTACHMENTS MUST BE EVALUATED BY THOSE DESIGNING THE FINISHES.

STANDARD STUD IDENTIFICATION (SSMA NOMENCLATURE)



- **MEMBER DEPTH:** (EXAMPLE: 6"=600/100 INCHES) ALL MEMBER DEPTHS ARE TAKEN IN 1/100 INCHES. FOR ALL "T" SECTIONS MEMBER DEPTH IS THE INSIDE TO INSIDE DIMENSION.
- (EXAMPLE: STUD OR JOIST SECTIONS=S) THE FOUR ALPHA CHARACTERS UTILIZED BY THE DESIGNATOR SYSTEM ARE: S = STUD
 - U = CHANNEL SECTIONS F = FURRING CHANNEL SECTIONS
- FLANGE WIDTH:

T = TRACK

- (EXAMPLE: 1 5/8"=1.625"=162x1/100 INCHES) ALL FLANGE WIDTHS ARE TAKEN IN 1/100 INCHES.
- **MATERIAL THICKNESS:**
- (EXAMPLE: 0.054IN. = 54MILS; 1 MIL = 1/1000 IN)MATERIAL THICKNESS IS THE MINIMUM BASE METAL THICKNESS IN MILS. MINIMUM BASE METAL THICKNESS REPRESENTS 95%%% OF THE DESIGN THICKNESS.

FASTENERS AND CONNECTORS

NOTES: SEE SECTION AND DETAILS FOR LOCATIONS AND NUMBER OF CONNECTIONS

CONNECTOR TYPE	SUBSTRATE	DESCRIPTION	PRODUCT	NOTED ON PLANS AS
SCREWS	METAL TRACK	#8-16 PAN HEAD	'DARTS' GRABBER SELF DRILLING PER ER-5280 OR EQUAL	SMS
	STUD-TO-STUD	#8-16 HEX HEAD OR PAN HEAD	'DARTS' GRABBER SELF DRILLING PER ER-5280 OR EQUAL	SMS
LVF'S (LOW VELOCITY FASTENERS)	STRUCTURAL STEEL	0.157" DIA ←	HILTI X-U PER ESR-2269	LVF
Therenes	CONCRETE	0.102" DIA ← x 3/4" EMBED	MAXPOWERLITE FASTENER CP-619V6-ICC PER ESR-4320	LVF
MECHANICAL ANCHORS	CONCRETE FILLED METAL DECK	3/8"øx2 1/2" EMBED d UON	HILTI KWIK HUS-EZ PER ESR-3027	SCREW ANCHOR

FASTENERS AND CONNECTOR NOTES

- 1. ALL FASTENERS SHALL BE THE MIN. SIZES AND EMBEDMENTS OF THE UNO IN THE PLANS. ABOVE CHART
- 2. ALL FASTENERS SHALL BE INSTALLED IN ACCORD WITH THE NOTED ESR REPORT THE
- REQUIREMENTS OF THE GOVERNING AUTHORITY AND 3. SCREWS LISTED IN THE ABOVE CHART SHALL BE SUFFICIENT IN LENGTH TO EXTEND

THROUGH THE STEEL CONNECTION WITH A MINIMUM OF THREE (3) EXPOSED THREADS

AND SPACED A MINIMUM OF 3 FULL DIAMETERS. 4. FOR MECHANICAL ANCHORS. THE EMBEDMENT LISTED IN THE ABOVE CHART IS THE NOMINAL EMBEDMENT, h nom SEE THE DIAGRAM TO THE RIGHT.

CAST-IN-PLACE CONCRETE

MATERIALS

A. CONCRETE:

	f'c MIN (PSI)	TEST AGE (DAYS)	MAX W/C RATIO	MAX AGREGGATE SIZE	AIR CONTENT PERCENT		
CLASS "A"	3,000	28	0.50	3/8"	4.5		
B. REINFORCIN					ASTM A615	GRADE	E
2) BAR RE	INFORCING	(WELDED)			ASTM A706	GRADE	6

ASTM A185 (FLAT SHEET)

SHEATHING NOTES

SHEATHING SCHEDULE:

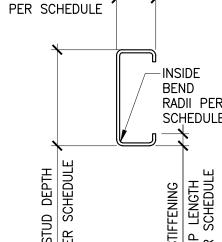
- ALL SHEATHING SHALL BE PLYWOOD STAMPED BY THE AMERICAN PLYWOOD ASSOCIATION (APA) AND SHALL CONFORM TO THE U.S. PRODUCT STANDARD (PS 1) WITH EXTERIOR GLUE. COMPOSITE OR NON-VENEERED PANELS SHALL COMPLY WITH NATIONAL RESEARCH BOARD REPORT NER-108, SUBFLOOR ADHESIVE: APA SPECIFICATION AFG-01. INSTALL PLYWOOD AND NON-VENEERED PANELS PER APA CONSTRUCTION GUIDE, LATEST EDITION. ORIENTED STRAND BOARD (OSB) CAN BE SUBSTITUTED FOR PLYWOOD ONLY AT THE INTERIOR SHEAR WALL SHEATHING AND FLOOR SHEATHING.
- FLOOR: 3/4" T&G APA RATED SHEATHING, 48/24, EXPOSURE 1. GLUE FLOOR SHEATHING TO JOISTS WITH A CONTINUOUS BEAD OF CONSTRUCTION GRADE
- ADHESIVE (ASTM D 3498) AND NAIL WITHIN 10 MINUTES OF GLUEING. PLYWOOD FACE GRAIN SHALL BE PERPENDICULAR TO JOISTS.
- FLOOR SHEATHING PANELS SHALL BE STAGGERED 4'-0".

3) WELDED WIRE REINFORCING (WWR)

- MINIMUM PANEL WIDTH SHALL NOT BE LESS THAN 24 INCHES. SHEATHING SHALL ABUT ALONG THE CENTERLINE OF FRAMING MEMBERS WITH NAILING NOT LESS THAN 3/8" FROM EDGE OF SHEETS AT THE FOLLOWING SPACINGS:
- SHEATHING NAILING SCHEDULE (U.O.N.): SHEATHING SHEATHING NAIL SPACING NAIL SPACING SIZE EDGE/COLLECTOR INTERMEDIATE LOCATION THICKNESS FLOOR 3/4" T&G 10d

STUD PROPERTIES

MINIMUM RI	EQUIRED STIFFENING LIP LENGTH
FLANGE WIDTH	E WIDTH MIN. STIFFENING LIP LENGTH (in
1 1/4"	0.188"
1 3/8"	0.375"
1 5/8"	0.500"
2"	0.625"
2 1/2"	0.625"
3"	0.625"
3 1/2"	1.000"



FLANGE WIDTH

	STUD / TRACK DEPTH			
	1 5/8"	1.625"		
	2 1/2"	2.500"		
ER	3 5/8"	3.625"		
ILE	4"	4.000"		
	6"	6.000"		
ł	8"	8.000"		
:))	INSIDE BEND	RADII PER MATERIAL THICKNESS		

0.0764"

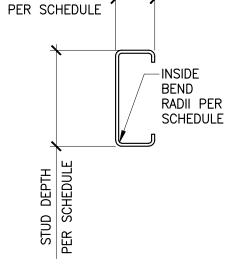
0.0712"

2.000"

	54MIL	0.0849"	
	68 MIL	0.1069"	
	97 MIL	0.1525"	
	118 MIL	0.1863"	
TRACK PROPERTIES			
TRACK PROPERTIES	Т	TRACK FLANGE WIDTH	
TRACK PROPERTIES	1"	TRACK FLANGE WIDTH 1.000"	
TRACK PROPERTIES FLANGE WIDTH	1"	1.000"	

33 MIL

43 MIL



2.5"	2.500"
3"	3.000"
INSIDE BEND	RADII PER MATERIAL THICKNESS
33 MIL	0.0764"
43 MIL	0.0712"
54MIL	0.0849"
68 MIL	0.1069"
97 MIL	0.1525"
118 MIL	0.1863"

WOOD NOTES

- 1. ALL WOOD CONSTRUCTION SHALL BE PER CBC CHAPTER 23.
- 2. ALL STRUCTURAL LUMBER SHALL BE DOUGLAS FIR-LARCH AND MUST CONFORM TO THE GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION. REFER TO THE ARCHITECTURAL DRAWINGS FOR ANY ADDITIONAL APPEARANCE REQUIREMENTS. ALL PRESSURE TREATED LUMBER TO BE STAMPED BY AN APPROVED GRADING AGENCY.
- 3. STRUCTURAL LUMBER SHALL BE: a. BEAMS b. POSTS

SHALL BE AS FOLLOWS:

23. RETIGHTEN ALL BOLTS BEFORE CLOSING IN.

- NO. 1 NO. 1 NO. 2 (2x4, 3x4, 2x6 AND 3x6)
- c. STUDS d. JOISTS 4. STUD AND POST SIZES SHALL BE (UNLESS OTHERWISE NOTED):
- a. STUDS AT EXTERIOR WALLS PER STUD WALL SCHEDULE b. STUDS AT INTERIOR WALLS PER STUD WALL SCHEDULE
- c. POSTS 4x6 MINIMUM, UNLESS OTHERWISE NOTED, (WIDTH TO MATCH BEAM WIDTH ABOVE AND DEPTH TO MATCH WALL THICKNESS) 5. ALL STRUCTURAL LUMBER SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.
- 6. ALL NAILS USED IN TIMBER-TO-TIMBER CONNECTIONS SHALL BE COMMON WIRE NAILS AND NAILING SHALL CONFORM TO THE APPLICABLE BUILDING CODES. WHERE NAILS TEND TO SPLIT THE WOOD, NAIL HOLES SHALL BE PREDRILLED.
- 7. ALL NAILS CONNECTING PRE-MANUFACTURED METAL ITEMS (CONNECTORS, HANGERS, STRAPS, ETC) TO TIMBER SHALL CONFORM TO THE MANUFACTURER'S CATALOGUE AND APPLICABLE ICC-ES EVALUATION
- 8. ALL STUD WALLS SHALL HAVE 2x FIRE BLOCKING AT 10'-0"o.c. MAXIMUM. 9. WALL STUDS SHALL ALIGN WITH FLOOR AND ROOF JOISTS FOR FULL HEIGHT OF STRUCTURE.
- 10. 2x BLOCKING SHALL BE INSTALLED BETWEEN JOISTS AND RAFTERS OVER SUPPORTS. 11. WHERE WOOD IS IN CONTACT WITH CONCRETE OR MASONRY, PRESSURE TREATED DOUGLAS FIR-LARCH SHALL BE USED.
- 12. UNLESS NOTED OTHERWISE, ALL SILL PLATES IN CONTACT WITH CONC. OR MASONRY SHALL BE ANCHORED WITH 5/8" DIAMETER ANCHOR BOLTS WITH 7" EMBEDMENT @48"o.c. w/3"x3"x.229" PLATE WASHERS. 13. ALL BOLT HEADS AND NUTS WHICH BEAR AGAINST THE FACE OF WOOD MEMBERS SHALL BE PROVIDED
- WITH WASHERS. NO UPSET THREADS ARE ALLOWED, UNLESS OTHERWISE NOTED. 14. PROVIDE MULTIPLE STUDS FOR SOLID BEARING AT THE ENDS OF ALL BEAMS OR GIRDER TRUSSES WHERE POSTS ARE NOT SHOWN.
- FLOOR JOISTS UNDER PARALLEL PARTITIONS. 16. MINIMUM SPLICE NAILING OF DOUBLE PLATES TO BE AS FOLLOWS: SIXTEEN (16) 16d EACH SIDE OF SPLICE WITH NO ADJACENT SPLICE WITHIN 4'-0". SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION. 17. FACE NAIL TWO PIECE BUILT-UP BEAMS WITH 16d AT 12"o.c. STAGGERED AT TOP AND BOTTOM TO

15. PROVIDE SOLID BLOCKING AT BEARING WALLS UNDER PERPENDICULAR PARTITIONS. PROVIDE DOUBLE

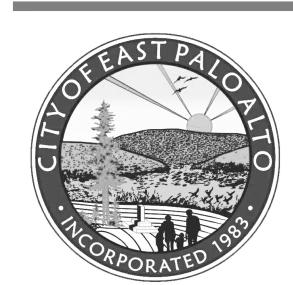
- ALTERNATE SIDES OF BEAM. PROVIDE ADDITIONAL ROW OF NAILING AT ALL BEAMS GREATER THAN 12" 18. BOLT HOLES IN WOOD SHALL BE THE DIAMETER OF THE BOLT PLUS 1/16" MAXIMUM. 19. PRE-DRILL ALL HOLES FOR 20d AND LARGER NAILS, SPIKES AND LAG BOLTS. LEAD HOLES FOR LAGS
- a. SHANK PORTION: SAME DIAMETER AND LENGTH AS SHANK. b. THREADED PORTION: 60% TO 75% OF THE DIAMETER OF THE THREAD AND THE SAME LENGTH AS THREAD. 20. HOLES FOR PIPES EXCEEDING ONE-THIRD OF THE PLATE WIDTH SHALL NOT BE PLACED IN PARTITIONS
- USED AS SHEAR WALLS AND BEARING WALLS UNLESS OTHERWISE DETAILED. PIPES SHALL PASS THROUGH THE CENTER OF THE PLATES. NOTCHING IS NOT ALLOWED. REFER TO TYPICAL DETAILS FOR ADDITIONAL REQUIREMENTS. 21. PROVIDE 2x SOLID BLOCKING OVER SUPPORTS BETWEEN JOISTS AND RAFTERS. PROVIDE 2x SOLID
- BLOCKING AT A MINIMUM OF 8'-0"o.c. FOR SOLID SAWN JOISTS WHERE SHEATHING OR GYPSUM BOARD IS NOT APPLIED TO TOP AND BOTTOM OF JOISTS FOR ENTIRE LENGTH OF JOIST. 22. ALL PREMANUFACTURED METAL ITEMS (CONNECTORS, HANGERS, STRAPS, ETC.) SHALL BE BY SIMPSON STRONG TIE COMPANY, INC. UNLESS NOTED OTHERWISE.
- 24. ALL BOLTS, SCREWS, NAILS AND CONNECTORS EXPOSED TO THE WEATHER SHALL BE HOT-DIPPEL GALVANIZED. ALL BOLTS, SCREWS, NAILS AND CONNECTORS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT-DIPPED GALVANIZED OR STAINLESS STEEL PER CBC SECTION 2304.9.5, AND IN COMPLIANCE WITH CONNECTOR MANUFACTURER'S RECOMMENDATIONS AND ASTM A153, CLASS D 25. ALL LUMBER IN 2 HOUR FIRE RATED EXTERIOR BEARING WALLS, 2 HOUR FIRE RATED STAIR WALLS AND
- 3 HOUR FIRE RATED SEPARATION WALLS SHALL USE FIRE RETARDANT TREATED WOOD PER CBC SECTION 2303.2. SEE ARCHITECTURAL DRAWINGS FOR FIRE RATED WALL LOCATIONS. ANCHOR BOLTS, FASTENERS, AND METAL FRAMING CONNECTORS IN CONTACT WITH FIRE RETARDANT TREATED LUMBER SHALL BE HOT-DIPPED GALVANIZED TO A RATING OF G-185 PER ASTM A653.

ABBREVIATIONS

AB ABV ACI	ANCHOR BOLT ABOVE AMERICAN CONCRETE INSTITUTE	IBC ICC ID	INTERNATIONAL BUILDING CO INTERNATIONAL CODE COUNC INSIDE DIAMETER
ADD AFF AISC	ADDITIONAL ABOVE FINISH FLOOR AMERICAN INSTITUTE OF	IN INSUL INT	INCH OR INCHES INSULATION INTERIOR
AISI	STEEL CONSTRUCTION AMERICAN IRON AND STEEL INSTITUTE	INV JST	INVERT/INVERTED JOIST
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION	JT	JOINT
ALT ANSI	ALTERNATE AMERICAN NATIONAL	K L	KIP (1000LBS) LOW
ARCH'L	STANDARDS INSTITUTE ARCHITECT ARCHITECTURAL	LB LG LLH	POUND LONG OR LENGTH LONG LEG HORIZONTAL
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS AMERICAN WOOD PRESERVERS	LLV LONGIT	LONG LEG VERTICAL LONGITUDINAL
AWS	AND ASSOCIATION AMERICAN WELDING SOCIETY	LT LT WT LVF	LIGHT LIGHT WEIGHT LOW VELOCITY FASTENER
©	AT	LVL	LEVEL
BLDG BLK BLKG	BUILDING BLOCK BLOCKING	MANUF MAS	MANUFACTURER MASONRY
BLW BM	BELOW BEAM	MAT'L MAX MB	MATERIAL MAXIMUM MACHINE BOLT
BOT OR B BN	BOTTOM BOUNDARY	MC MECH'L	MISCELLANEOUS CHANNEL MECHANICAL
BRCG BRG BS	BRACING BEARING BOTH SIDES	MEZZ MF	MEZZANINE MOMENT FRAME
BTWN	BETWEEN	MIN MISC	MINIMUM MISCELLANEOUS
C CANT	CHANNEL OR CAMBER CANTILEVER CARRIAGE BOLT	MTL NIC	METAL
CB CBC CC OR C/C	CARRIAGE BOLI CALIFORNIA BUILDING CODE CENTER TO CENTER	NOM NS	NOT IN CONTRACT NOMINAL NEAR SIDE
CEN CFS	CONTINUOUS EDGE NAILING COLD-FORMED STEEL	NTS # OR NO	NOT TO SCALE NUMBER
CGS CIP	CENTER OF GRAVITY SUPPORT CAST IN PLACE	 0/	OVER ON CENTER
CJ	CONSTRUCTION JOINT, CONTROL JOINT, CEILING JOIST	OC OR O/C OD OH	ON CENTER OUTSIDE DIAMETER OPPOSITE HAND
CL CLG CLR	CENTER LINE CEILING CLEAR	OPNG OS	OPENING OPPOSITE SIDE
CMU COL	CONCRETE MASONRY UNIT	OSA	OFFICE OF STATE ARCHITECT (CALIFORNIA)
CONC CONN	CONCRETE CONNECTION	OSHA	OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD
CONST CONT	CONSTRUCTION CONTINUOUS	PERP PC	PERPENDICULAR PRECAST
CONTR CR CRC	CONTRACTOR COLD ROLLED COLD ROLLED CHANNEL	PG PJ	PLATE GIRDER POUR JOINT
DBL	DOUBLE	PL PLWD	PLATE PLYWOOD
DEN DET DIA OR Ø	DISCONTINUOUS EDGE NAILING DETAIL	PP PSF	PARTIAL PENETRATION POUNDS PER SQUARE FOOT
DIM DIR	DIAMETER DIMENSION DIRECTION	PSI PT	POUNDS PER SQUARE INCH POST-TENSIONED OR PRESS
DF DKG	DOUGLAS FIR DECKING	RAD	TREATED
DN DS DWG	DOWN DOWN SPOUT DRAWING	RAFT RD	RAFTER ROOF DRAIN
DWL	DOWEL	REINF REQ'D	REINFORCING REQUIRED
EA EE EF	EACH EACH END EACH FACE	RJ RR	ROOF JOIST ROOF RAFTER
EJ ELEV	EXPANSION JOINT ELEVATION OR ELEVATOR	SDSTS	SELF-DRILLING SELF-TAPPIN SCREWS
EOS EQ	EDGE OF SLAB EQUAL	SECT SHT	SECTION SHEET
EQUIP ES EW	EQUIPMENT EACH SIDE EACH WAY	SHTG SIM	SHEATHING SIMILAR
EXIST OR (E) EXP	EXISTING EXPANSION	SMS SPCG SPEC	SHEET METAL SCREW SPACING SPECIFICATION
EXT FDN	EXTERIOR FOUNDATION	SOG SQ	SLAB ON GRADE SQUARE
FF FG	FINISH FLOOR FINISH GRADE	SS	STAINLESS STEEL OR SELEC STRUCTURAL STEEL STUD MANUFACTURER
FH FIN	FULL HEIGHT FINISH	SSMA STAGG	ASSOCIATION STAGGERED
FJ FL FLR	FLOOR JOIST FLANGE FLOOR	STD STIFF	STANDARD STIFFENER
FN FOC	FIELD NAILING FACE OF CONCRETE	STL STRUCT'L	STEEL STRUCTURAL
FOM FOS FP	FACE OF MASONRY FACE OF STUD FULL PENETRATION	SYMM	SYMMETRICAL
FRMG FS	FRAMING FAR SIDE	T & B T & G THK	TOP AND BOTTOM TONGUE AND GROOVE THICK
FT FTG	FEET OR FOOT FOOTING	TOC TOF	TOP OF CONCRETE TOP OF FOOTING
GA GALV	GAUGE GALVANIZE	TOS TRANS	TOP OF STEEL TRANSVERSE
GLB GR	GLU-LAM BEAM GRADE	TS TSG TYP	STRUCTURAL STEEL TUBE TAPERED STEEL GIRDER TYPICAL
GYP BD H	GYPSUM BOARD HIGH	UNO	UNLESS NOTED OTHERWISE
HDR HGR	HEADER HANGER	VERT	VERTICAL
HORIZ HSB HSS	HORIZONTAL HIGH STRENGTH BOLT HOLLOW STRUCTURAL SECTIONS	W/ W/O	WITH WITHOUT
HT HT	HOLLOW STRUCTURAL SECTIONS HEIGHT	WP WWF	WORK POINT WELDED WIRE FABRIC

SHEETINDEX

SHEET NUMBER	SHEET NAME
S1.01	GENERAL NOTES, SHEET INDEX & ABBREVIATIONS
S1.02	TYPICAL DETAILS I
S1.03	TYPICAL DETAILS II
S1.04	TYPICAL DETAILS III
S2.12	(N) OFFICE SPACE FLOOR PLAN
S3.03	SECTIONS AND DETAILS



1960 Tate Street East Palo Alto, CA 94303

POWELL PARTNERS ARCHITECTS

A CALIFORNIA CORPORATION

311 Oak Street, # 331 Oakland, CA 94607 Phone: (510) 912-8386

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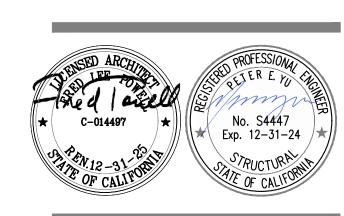
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

PROJECT

10/06/23 BLDG DEPARTMENT **∠REVISIONS** 04/28/23 100% BLDG PERMIT SET REVISIONS: 1

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

GENERAL NOTES SHEET INDEX

AND ABBREVIATIONS

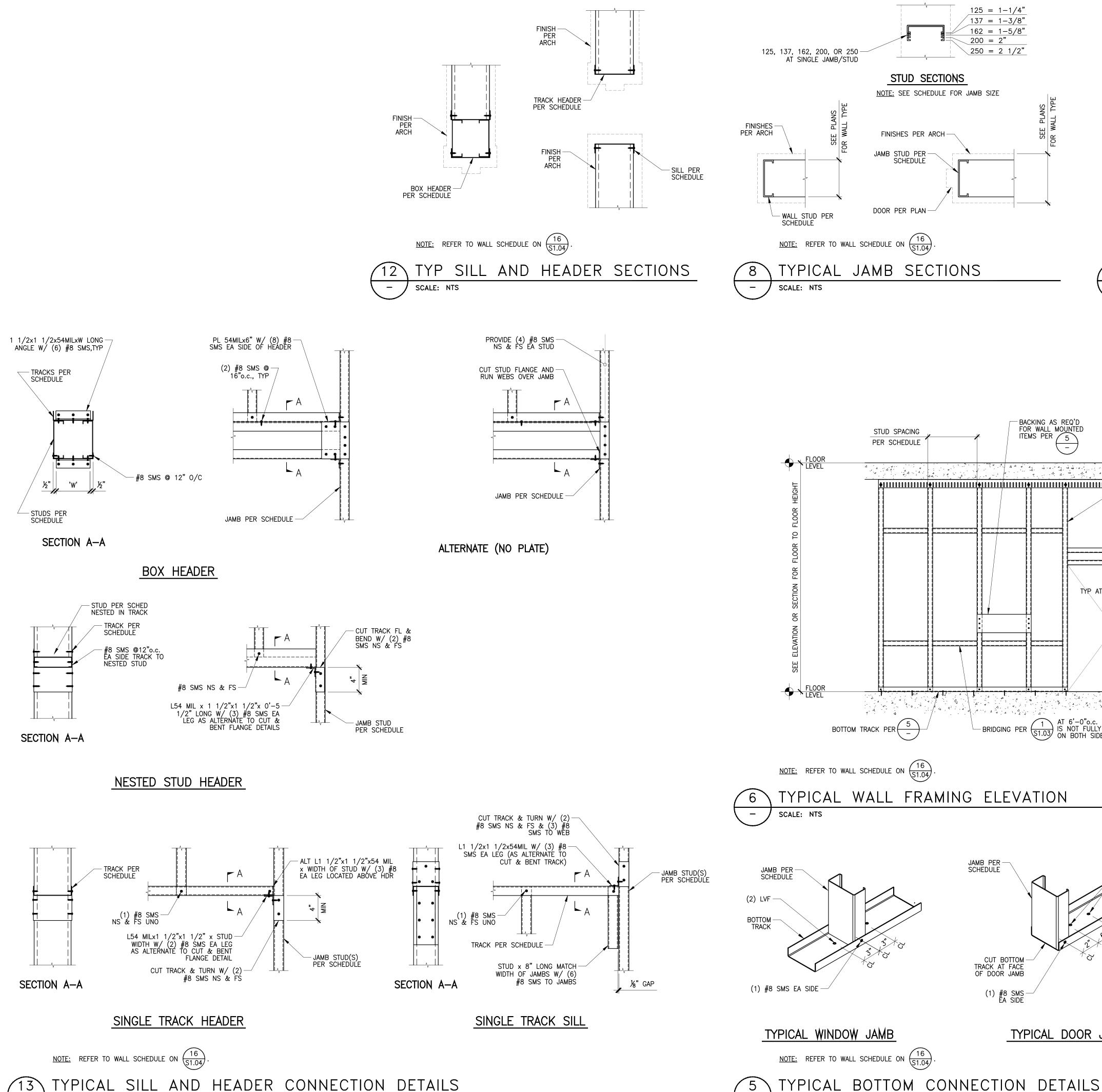
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JOB NO. **1903** 03/2023 DATE BY:

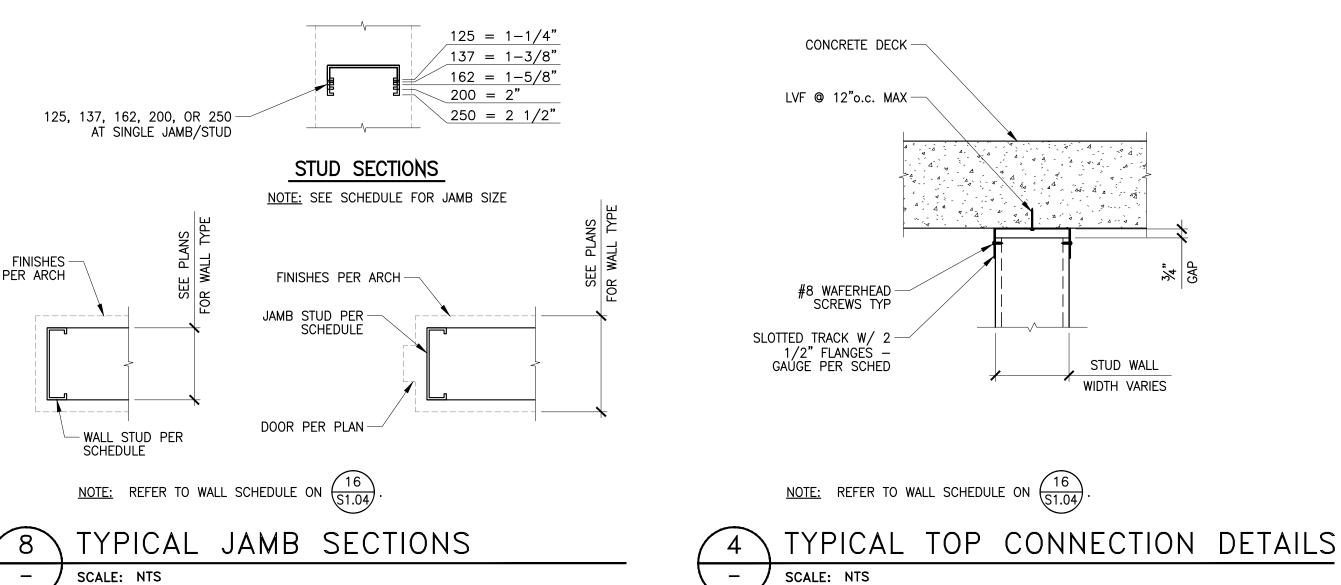
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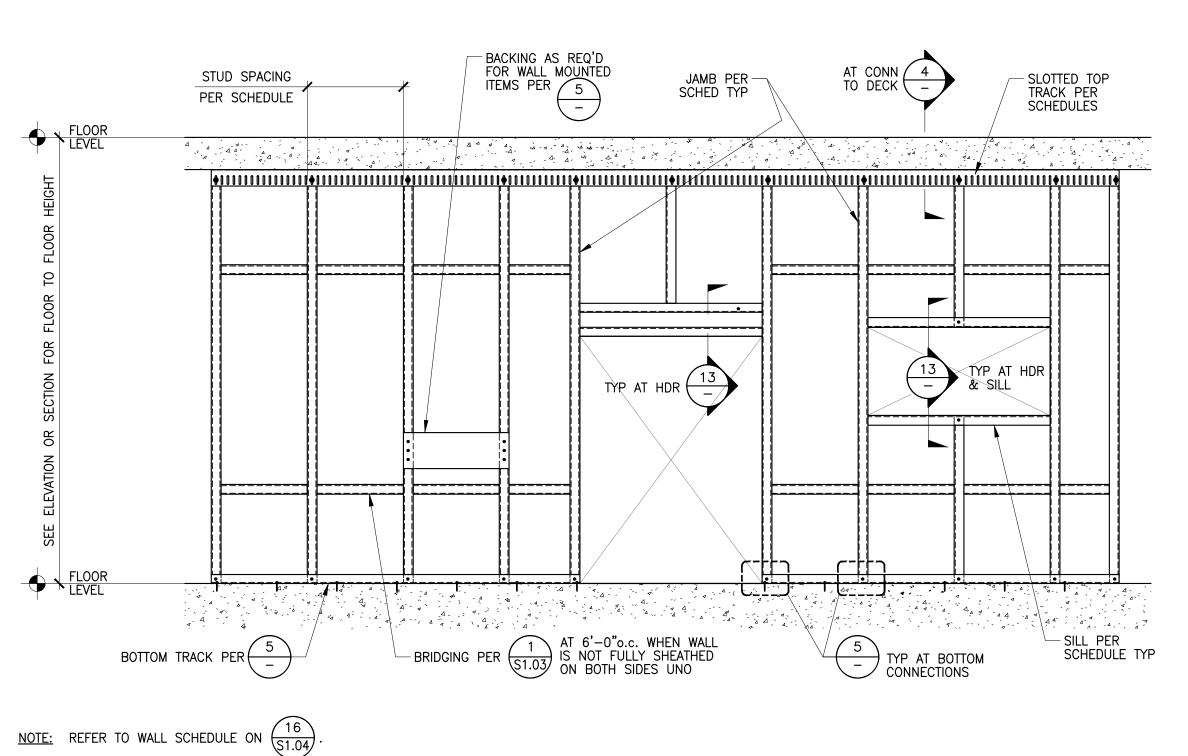
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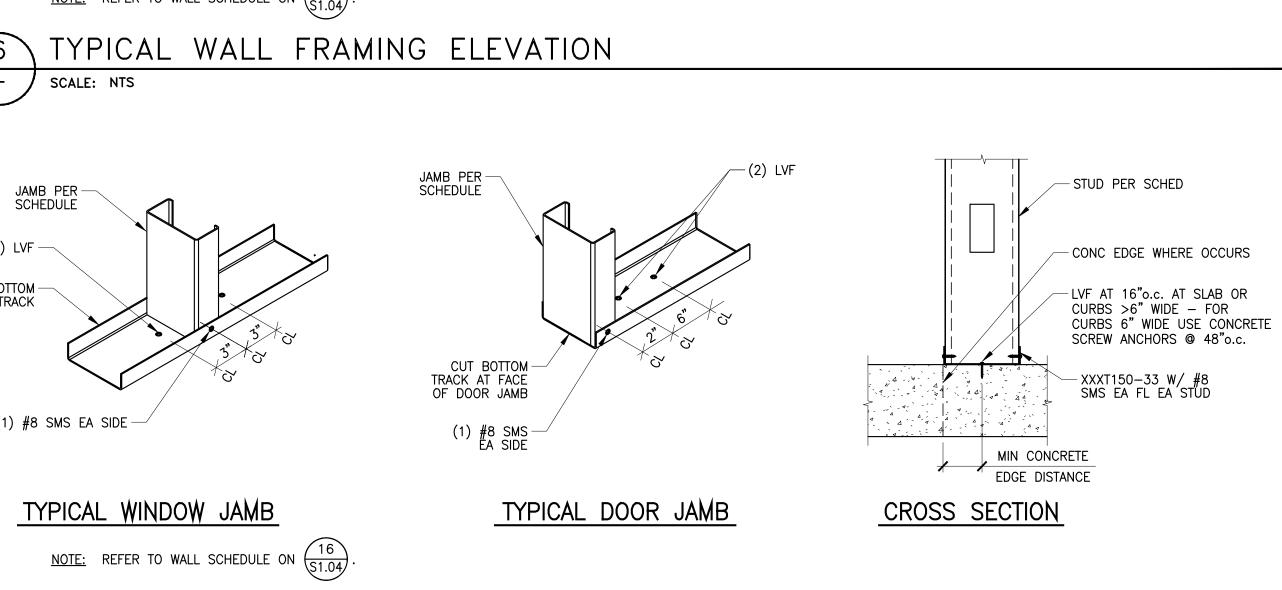
FILE NAME:



SCALE: NTS







SCALE: NTS

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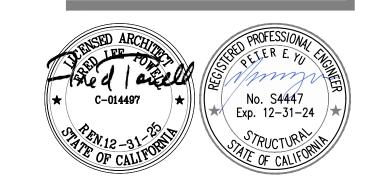
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.

> PLAN REVIEW ACCEPTANCE FOR COMPLIANCE WITH THE APPLICABLE
> CALIFORNIA BUILDING, PLUMBING, MECHANICAL,
> ELECTRICAL, AND ENERGY CODES AS AMENDED
> BY THE JURISDICTION,
> PLAN REVIEW ACCEPTANCE OF DOCUMENTS
> DOES NOT AUTHORIZE CONSTRUCTION TO
> PROCEED IN VIOLATION OF ANY FEDERAL,
> STATE, NOR LOCAL REGULATION. ION STRUCTURAL BY: <u>Joshua Yanson</u> STRUCTURAL BY: <u>Yanxian Chen</u>date: 04/01/2024



CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS 04/28/23 100% BLDG PERMIT SET **REVISIONS: 1**

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

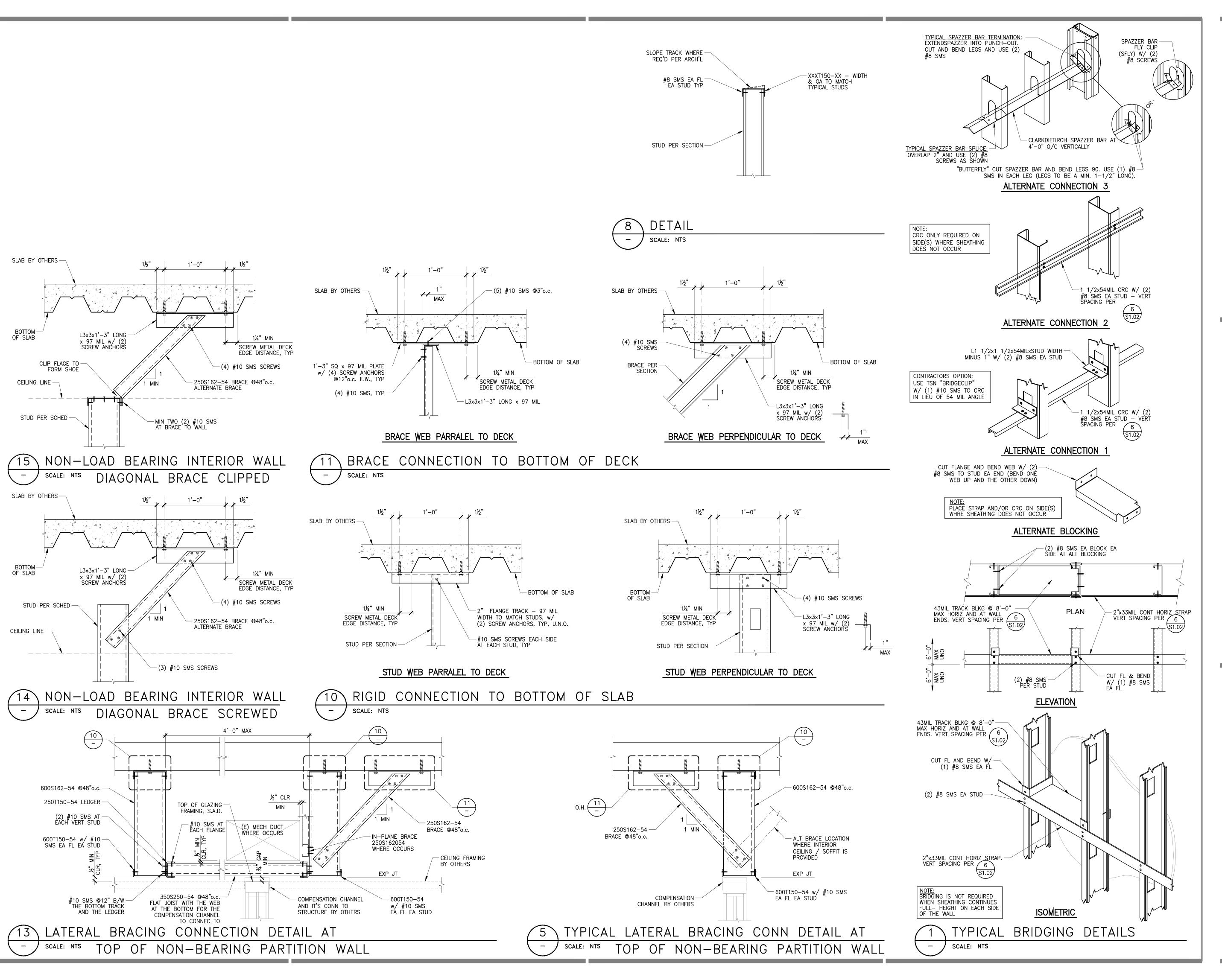
SHEET TITLE

TYPICAL DETAILS I

SCALE AS NOTED JOB NO. 1903 SHEET NO. DATE **03/2023** BY: CHECKED

S1.02

FILE NAME:





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ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

10/06/23 BLDG DEPARTMENT $^{\perp}$ REVISIONS 04/28/23 100% BLDG PERMIT SET **REVISIONS: 1**

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

TYPICAL DETAILS II

SCALE AS NOTED

JOB NO. **1903** DATE **03/2023**

DRAWN BY:

S1.03

SHEET NO.

CHECKED BY: ATN

FILE NAME:

3-5/8" WALL SCHEDULES

INTERIOR TOP TRACK SCHEDULE -L/240- & -L/360-(1) OR (2) LAYERS GYPSUM TILE WALL HEIGHT TOP TRACK THICKNESS TOP TRACK THICKNESS

33 MIL*

8

33 MIL*

* 43 MIL OR REINFORCE TRACK PER S1.6	AT JAMB STUDS AT OPENINGS
GREATER THAN 8'-0" AT WALLS TALLER	THAN 9'-0"
* 54 MIL AT STAIRS	

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JAMB

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0'-0" TO 12'-3"

INTERIOR HEADER SCHEDULE -L/360- WALLS			
WALL HEIGHT		MAX OPENING WIDTH	
	0'-0" TO 4'-3"	4'-4" TO 6'-3"	6'-4" TO 8'-3"
0'-0" TO 12'-3"	362T150-54	362S162-54 + 362T250-54	(2)362S162-33 & (2)362T150-33

INTERIOR JAMB SCHEDULE -L/360- WALLS			
WALL HEICHT	MAX OPENING WIDTH		
WALL HEIGHT	0'-0" TO 4'-3"	4'-4" TO 6'-3"	6'-4" TO 8'-3"
0'-0" TO 12'-3"	362S162-33	362S162-43	362S200-54

INTERIOR SILL SCHEDULE -L/240- & -L/360- WALLS			
WALL LIFTOUT	MAX OPENING WIDTH		
WALL HEIGHT	0'-0" TO 4'-3"	4'-4" TO 6'-3"	6'-4" TO 8'-3"
0'-0" TO 12'-3"	362T150-33	362T150-33	362T150-33

INTERIOR TYPICAL STUD SCHEDULE			
WALL HEIGHT	STUD DESCRIPTION (1) OR (2) LAYER(S) GYP -L/240-	STUD DESCRIPTION TILE -L/360-	
0'-0" TO 12'-3"	362S125-30 @16"o.c.	362S125-30 @16"o.c.	

6" WALL SCHEDULES

INTERIOR TOP TRACK SCHEDULE -L/240- & -L/360-		
WALL HEIGHT	(1) OR (2) LAYERS GYPSUM	TILE
WALL HEIGHT	TOP TRACK THICKNESS	TOP TRACK THICKNESS
0'-0" TO 12'-3"	33 MIL*	33 MIL*

* 43 MIL OR REINFORCE TRACK PER $\frac{8}{51.02}$ AT JAMB STUDS AT OPENINGS GREATER THAN 8'-0" AT WALLS TALLER THAN 9'-0"

*54 MIL AT STAIRS

INTERIOR HEADER SCHEDULE -L/360- WALLS			
WALL HEIGHT		MAX OPENING WIDTH	
	0'-0" TO 4'-3"	4'-4" TO 6'-3"	6'-4" TO 8'-3"
0'-0" TO 12'-3"	600T300-54	600S162-54 + 600T250-54	(2)362S162-33 & (2)600T150-33

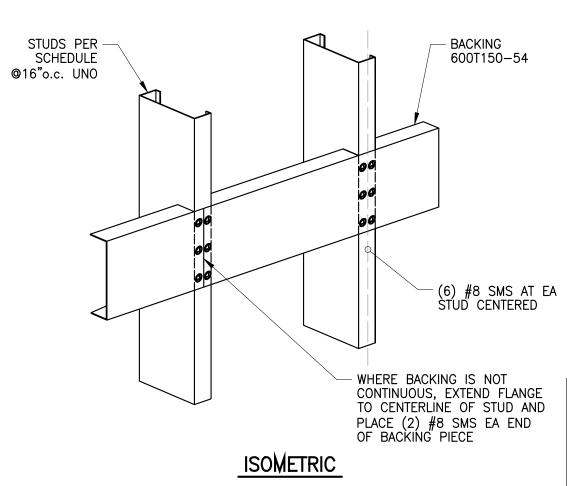
	WALL HEIGHT		MAX OPENING WIDTH	
	WALL HEIGHT	0'-0" TO 4'-3"	4'-4" TO 6'-3"	6'-4" TO 8'-3"
	0'-0" TO 12'-3"	600S162-33	600S162-43	600S162-43
•				

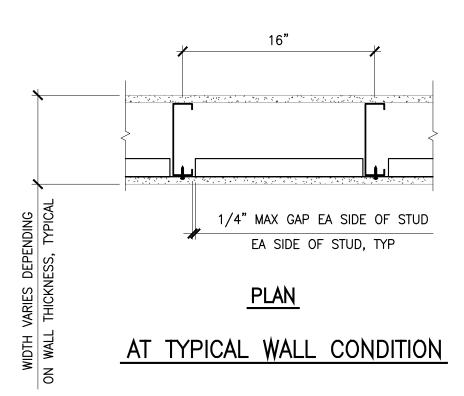
INTERIOR JAMB SCHEDULE -L/360- WALLS

INTERIOR SILL SCHEDULE -L/240- & -L/360- WALLS		
	MAX OPENING WIDTH	
0'-0" TO 4'-3"	4'-4" TO 6'-3"	6'-4" TO 8'-3"
600T150-33	600T150-33	600T150-33
	0'-0" TO 4'-3"	MAX OPENING WIDTH 0'-0" TO 4'-3" 4'-4" TO 6'-3"

INTERIOR TYPICAL STUD SCHEDULE		
WALL HEIGHT	STUD DESCRIPTION (1) OR (2) LAYER(S) GYP -L/240-	STUD DESCRIPTION TILE -L/360-
0'-0" TO 12'-3"	600S125-30 @16"o.c.	600S125-30 @16"o.c.

TYPICAL INTERIOR WALL SCHEDULE SCALE: NTS





NOTES:

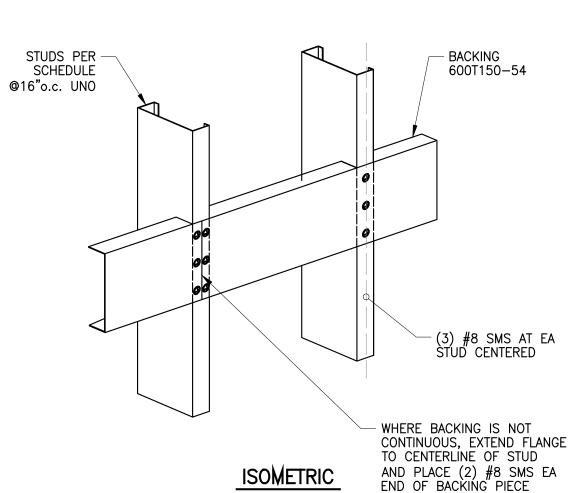
- 1. TYPE 'C' BACKING PLATE FOR GRAB BARS, WALL HUNG LAVATORIES, PLUMBING FIXTURES, TV MOUNTS, STAIR HANDRIALS, INTERCOM SYSTEM. MAX TOTAL WEIGHT OF EQUIPMENT NOT TO EXCEED 250# PER STUD BAY VERTICALLY AND 84# LATERALLY.
- 2. VERIFY LENGTH, HEIGHT, AND LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ACCESSORY
- 3. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO BACKING PLATE.
- 4. WALL STUD FLANGES ARE CONTINUOUS.
- 5. GRAB BARS TO BE INSTALLED AT A HEIGHT OF 3'-0" OR LESS.
- 6. MULTIPLE ROWS OF BACKING ARE ACCEPTABLE PROVIDED THE TOTAL WEIGHT OF EQUIPMENT DOES NOT EXCEED 250#/ STUD BAY.
- 7. BACKING CAN OCCUR ON BOTH SIDES OF THE WALL PROVIDED THE TOTAL WEIGHT OF EQUIPMENT DOES NOT EXCEED 250#/STUD BAY

WALL HEIGHT	STUD DESCRIPTION (1) OR (2) LAYERS GYP	STUD DESCRIPTION (1) OR (2) LAYERS GYP	STUD DESCRIPTION TILE	STUD DESCRIPTION TILE
0'-0" TO 8'-8"	362S162-33	362S162-33	362S162-33	362S162-33
8'-9" TO 12'-3"	362S162-33	362S162-33	362S162-33	362S162-33

WALL HEIGHT	BACKING SCHEDU	LE AT HAND RAIL*
	STUD SIZE	WALL TYPE
0'-0" TO 8'-8"	362S162-43	1 HR, 2 HR
	600S162-43	1 HR, 2 HR
8'-9" TO 12'-3"	362S200-54	1 HR, 2 HR
0-9 10 12-3	600S162-43	1 HR, 2 HR
*PROVIDE 54 MIL TOP	TRACK FOR MN LENGTH OF	1'-0" ON EA SIDE OF BACKING STU

WALL HEIGHT	BACKING SCHEDULE AT GRAB BAR			
	STUD SIZE	WALL TYPE		
0'-0" TO 8'-8"	362S162-54	1 HR, 2 HR		
	600S162-54	1 HR, 2 HR		
8'-9" TO 12'-3"	362S200-54	1 HR, 2 HR		
8 -9 10 12 -3	600S162-54	1 HR, 2 HR		

BACKING TYPE C DETAIL SCALE: NTS

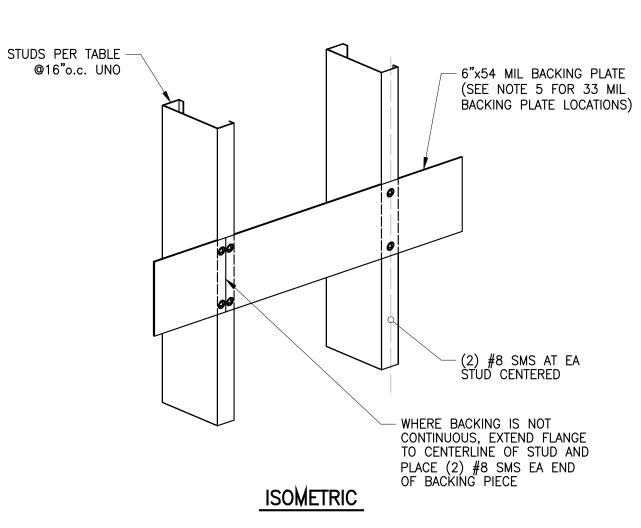


1/4" MAX GAP EA SIDE OF STUD EA SIDE OF STUD, TYP <u>PLAN</u> AT TYPICAL WALL CONDITION

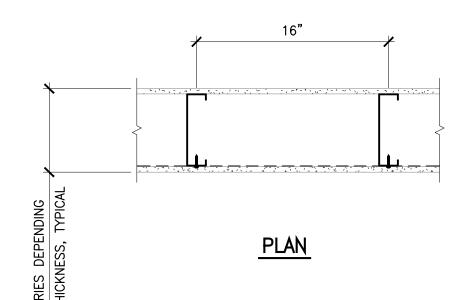
- 1. TYPE 'B' BACKING PLATE FOR UPPER WALL HUNG CABINETS (UP TO 2 SHELVES), BASE CABINETS, SHELVING UP TO 7'-0", WALL HUNG BENCHES, TV MOUNTS ETC. MAX TOTAL WEIGHT OF EQUIPMENT NOT TO EXCEED 100# PER STUD BAY AND MAX LATERAL LOAD NOT TO EXCEED 34# LATERALLY.
- 2. VERIFY LENGTH, HEIGHT, AND LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ACCESSORY
- 3. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO BACKING PLATE.
- 4. WALL STUD FLANGES ARE CONTINUOUS.
- 5. MULTIPLE ROWS OF BACKING ARE ACCEPTABLE PROVIDED THE TOTAL WEIGHT OF EQUIPMENT DOES NOT EXCEED 100#/ STUD BAY.
- 6. IF BACKING OCCURS ON BOTHE SIDES OF THE WALL THE TOTAL WEIGHT OF EQUIPMENT SHALL NOT EXCEED 100#/ STUD BAY.

WALL HEIGHT	WALL HEIGHT STUD DESCRIPTION (1) OR (2) LAYERS GYP		STUD DESCRIPTION TILE	STUD DESCRIPTION TILE	
0'-0" TO 8'-8"	362S125-30	600S125-30	362S162-33	600S125-30	
8'-9" TO 12'-3"	362S125-33	600S125-30	362S162-33	600S125-30	

BACKING TYPE B DETAIL SCALE: NTS



- 1. TYPE A BACKING PLATE FOR MISC ITEMS SUCH AS SURFACE MOUNTED MIRRORS, WASTE RECEPTACLES, TOWEL DISPENSERS, EQUIPMENT, ETC. MAX TOTAL WEIGHT OF EQUIPMENT NOT TO EXCEED 30# PER STUD BAY.
- 2. VERIFY LENGTH, HEIGHT, AND LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ACCESSORY
- 3. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO BACKING PLATE.
- 4. WALL STUD FLANGES ARE CONTINUOUS.
- 5. 6"x33 MIL BACKING PLATE CAN BE USED WHERE SHOWN ON DETAIL WITH MAX VERTICAL WEIGHT = 10# AND 4# LATERALLY.
- 6. MULTIPLE ROWS OF BACKING ARE ACCEPTABLE PROVIDED THE TOTAL WEIGHT OF EQUIPMENT DOES NOT EXCEED 30# / STUD BAY.
- 7. IF BACKING OCCURS ON BOTH SIDES OF THE WALL, THE TOTAL WEIGHT OF EQUIPMENT SHALL NOT EXCEED 30#/STUD BAY

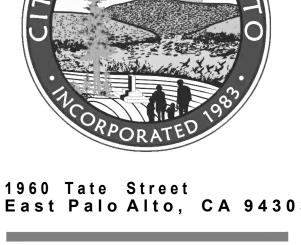


AT TYPICAL WALL CONDITION

WALL HEIGHT	STUD DESCRIPTION (1) OR (2) LAYERS GYP	STUD DESCRIPTION (1) OR (2) LAYERS GYP	STUD DESCRIPTION TILE	STUD DESCRIPTION TILE
0'-0" TO 8'-8"	362S125-30	600S125-30	362S125-30	600S125-30
8'-9" TO 12'-3"	362\$125-30	600S125-30	362S125-30	600S125-30

FOR ALL BACKING TYPES: IF ITEMS CAN MOUNT DIRECTLY TO STUD, BACKING PIECE MAY BE OMITTED.





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MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

10/06/23 BLDG DEPARTMENT [∠]REVISIONS 04/28/23 100% BLDG PERMIT SET **REVISIONS: 1**

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

TYPICAL DETAILS III

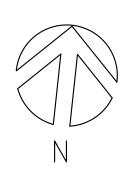
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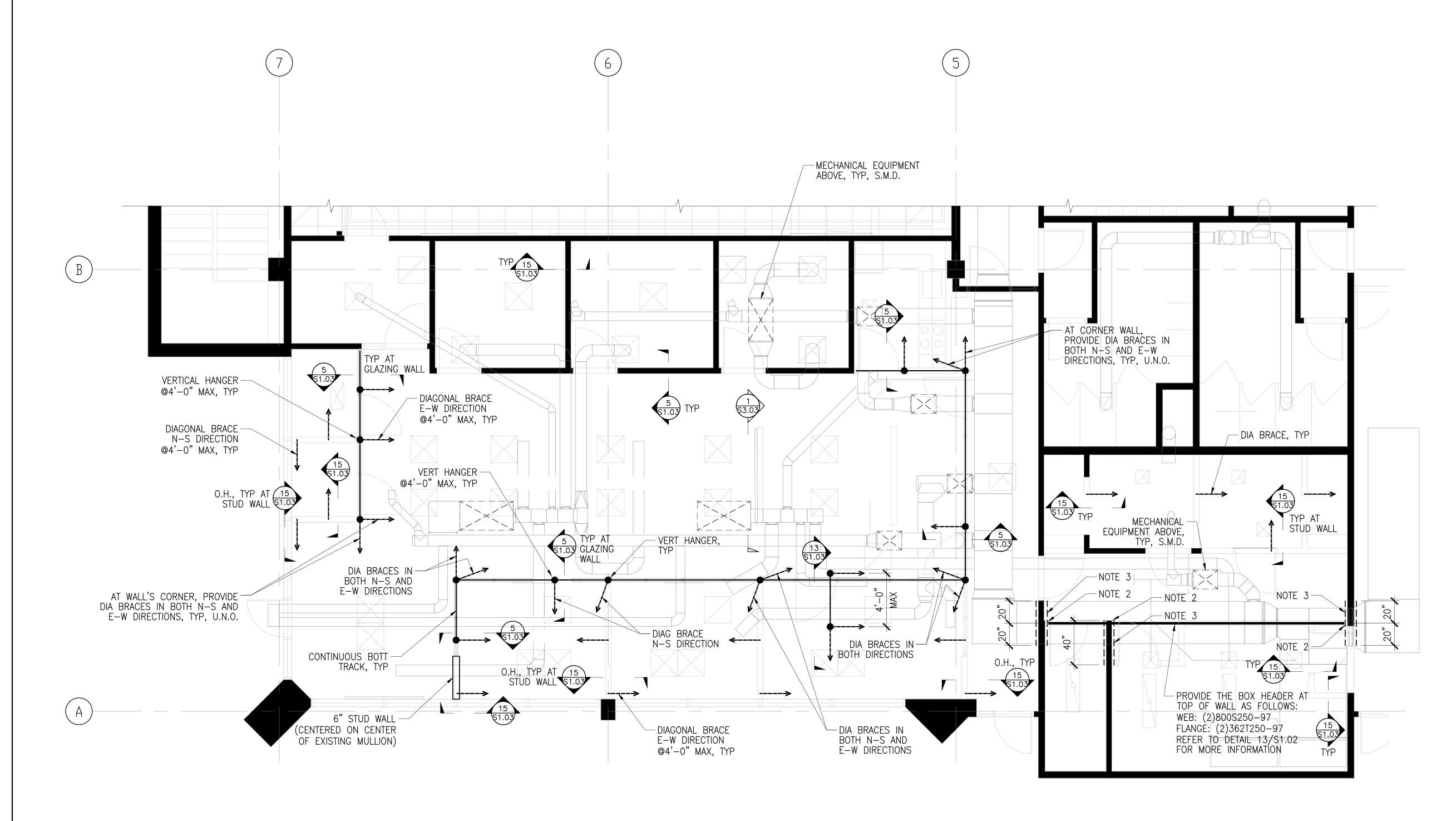
JOB NO. **1903** SHEET NO. DATE **03/2023**

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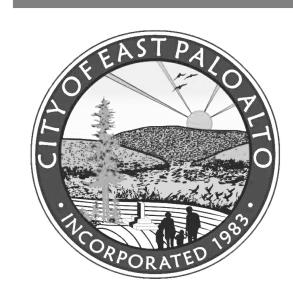




NOTES:

- 1. THE PROPOSED LAYOUT OF THE WALL TOP BRACES ARE BASED ON THE BEST KNOWLEDGE OF THE DESIGN TEAM. CONTRACTOR SHALL VERIFY IN THE FIELD FOR ACTUAL CONDITION AND CONSTRUCTABILITY AND APPLICABILITY OF THE DETAILS.
- 2. PROVIDE THE BOX COLUMN AS FOLLOWS: WEB: (2) 800S250-97 PARALLEL TO WALL. FLANGE: (2) XXXT250-97 TO MATCH WALL WIDTH. REFER TO DETAIL 13/S1.02, SIM FOR MORE INFORMATION.
- 3. PROVIDE STRAP MSTC40 EACH SIDE AND NEAR TOP OF COLUMN TO TIE COLUMN TO (E) WALL WITH MINIMUM FOUR (4) #10 SMS AT COLUMN. PROVIDE WALL BLOCKING AS NEEDED.





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CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS 04/28/23 100% BLDG PERMIT SET **REVISIONS: 1**

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) OFFICE SPACE **FLOOR PLAN**

SCALE AS NOTED

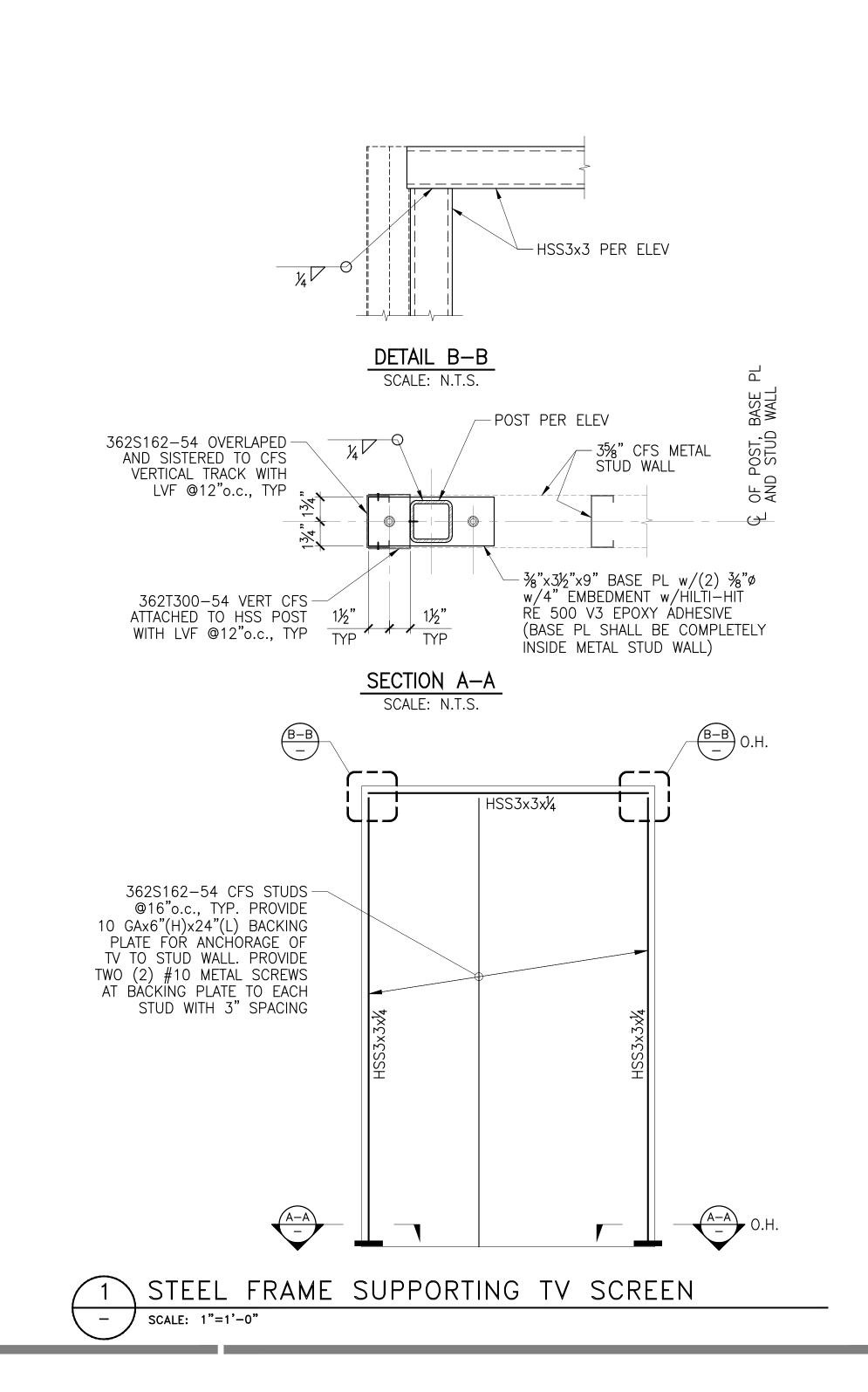
JOB NO. **1903**

DATE **02/2023**

BY: CHECKED By: ATN

S2.12

SHEET NO.





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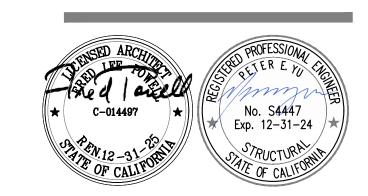
CONSULTANTS:

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MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS
04/28/23 100% BLDG PERMIT SET
REVISIONS: 1

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

SECTIONS AND DETAILS

SCALE AS NOTED

JOB NO. **1903** Date **03/2023**

DATE 03/202 DRAWN BY: **EA**

BY: EA
CHECKED
BY: ATN

S3.03

SHEET NO.

MECHANICAL NOTES & SPECIFICATIONS

- 1. THESE DRAWINGS AND NOTES SHALL BE READ IN CONJUNCTION WITH AND BE CONSIDERED TO BE PART OF A SEPARATE AND COMPLETE MECHANICAL SPECIFICATION.
- 2. ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE CODES AND REGULATIONS. INCLUDING:
- 2.1. 2019 CALIFORNIA BUILDING CODE
- 2.2. 2019 CALIFORNIA PLUMBING CODE
- 2.3. 2019 CALIFORNIA ELECTRICAL CODE
- 2.4. 2019 CALIFORNIA MECHANICAL CODE
- 2.5. 2019 CALIFORNIA GREEN BUILDING STANDARD
- 2.6. 2019 CALIFORNIA ENERGY CODE
- 2.7. 2019 CALIFORNIA FIRE CODE
- 3. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED FEES, PERMITS AND INSPECTIONS.
- 4. COORDINATE ENTIRE INSTALLATION OF THE HVAC SYSTEM(S) WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE AND WORKABLE INSTALLATION. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ITEMS TO BE PROVIDED BY OTHER TRADES WHERE MENTIONED IN THE CONTRACT DOCUMENTS PRIOR TO BID NO EXCEPTIONS. THEY SHALL BE RESPONSIBLE FOR A COMPLETE WORKING SYSTEM PER CONTRACT DOCUMENTS.
- 5. COORDINATE ALL WORK WITH THE ARCHITECTURAL, STRUCTURAL DRAWINGS AND DRAWINGS OF OTHER TRADES. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL WORK, STRUCTURAL MEMBERS AND WORK OF OTHER TRADES. NO ITEM SUCH AS PIPE, DUCT, ETC. SHALL BE IN CONTACT WITH ANY EQUIPMENT. ANY ERRORS, OMISSIONS, DISCREPANCIES, DEFICIENCIES, OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR, THE ARCHITECT AND THE ENGINEER PRIOR TO PROCEEDING WITH ANY AFFECTED WORK.
- 6. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING EQUIPMENT, DUCTWORK, AND REGISTERS PRIOR TO INSTALLATION OF ANY NEW EQUIPMENT, DUCTWORK OR REGISTERS. IF THE EXISTING DUCTWORK SIZE IS SMALLER THAN THE NEW DUCTWORK SIZE, AND/OR THE EXISTING DUCTWORK IS NOT IN THE NOTED LOCATION, THE CONTRACTOR IS TO NOTIFY OWNER IMMEDIATELY AND NO NEW DUCTWORK IS TO BE INSTALLED UNTIL THE ISSUE IS RESOLVED.
- 7. COORDINATE THE LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL LIGHTING LAYOUT, FIRE SPRINKLER SYSTEM, AND ARCHITECTURAL ROOM ELEVATIONS. THE ARCHITECT AND ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY CONFLICTS PRIOR TO FABRICATION AND INSTALLATION.
- 8. EQUIPMENT, DUCTS, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE OF THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHER PROOFED AND PAINTED TO MATCH. COORDINATE WITH ARCHITECT PRIOR TO PAINTING.
- 9. CONTRACTOR SHALL VERIFY ALL CLEARANCES AND AVAILABLE SPACE FOR DUCTWORK PRIOR TO ORDERING AND/OR
- 10. DIMENSIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND MUST BE CONFIRMED ON SITE AND/OR PER ARCHITECTURAL DRAWINGS. ANY SCALE NOTATIONS ARE TO BE VERIFIED PRIOR TO ANY TAKE-OFF.
- 11. PRIOR TO OCCUPANCY THE ENTIRE HVAC SYSTEMS SHALL BE BALANCED BY AN INDEPENDENT AIR BALANCE CONTRACTOR FOR AIR IN ACCORDANCE AND PROCEDURES WITH (AABC) ASSOCIATED AIR BALANCE COUNCIL STANDARDS, (NEBB) NATIONAL ENVIRONMENTAL BALANCING BUREAU, OR (TABB) TESTING ADJUSTING AND BALANCING BUREAU. SYSTEMS SHALL BE BALANCED AS INDICATED ON PLANS INCLUDING OUTSIDE AIR VENTILATION. FINAL BALANCING SHALL BE WITHIN 10 PERCET FOR SUPPLY, RETURN AND OUTSIDE AIR QUANTITIES INDICATED. WHERE THERE IS A CONFLICT IN PLANS, THE AIR BALANCE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO BALANCING OF SYSTEM. IF NOT DONE SO THE AIR BALANCE CONTRACTOR SHALL BEAR ALL COSTS INCURRED FOR WORK THAT MUST BE RE-BALANCED DUE TO CONFLICTS ON CONTRACT DOCUMENTS. CONTRACTOR SHALL PROVIDE THREE COPIES OF THE AIR BALANCE REPORT TO THE ENGINEER FOR APPROVAL. PROVIDE PROCEDURES AND REPORTING PER CAL GREEN CODES SECTION 5.410.4.3, SECTION 5.410.4.3.1 AND SECTION 5.410.4.4.
- 12. CONTROLS CONTRACTOR AND AIR BALANCE CONTRACTOR SHALL COORDINATE WORK AND PERFORM NECESSARY TASKS AS REQUIRED TO OBTAIN AIR FLOW QUANTITIES FOR SYSTEMS SHOWN HEREIN.
- 13. PROVIDE TO BUILDING OWNER, PER CAL GREEN CODE SECTION 5.410.4.5, AND CMC 514.0, OPERATING PROCEDURES FOR THE USE, INSPECTION, TESTING, AND MAINTENANCE OF EQUIPMENT MANUAL INCLUDING INSPECTION AND REPORTS AS APPLICABLE.
- 14. EQUIPMENT, ACCESSORIES AND RELATED PIPING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- 15. MAINTENANCE LABEL SHALL BE AFFIXED TO ALL MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE. LABEL SHALL IDENTIFY THE UNIT DESIGNATION PER PLANS AND THE SPACE IT SERVES.
- 15.1. EQUIPMENT: 4-1/2"X1-1/2" ENGRAVED PLASTIC-LAMINATED SIGN WITH 1/2" WHITE LETTERS ON BLACK BACKGROUND.
 15.2. VALVES: 1-1/2" DIAMETER BRASS DISC STAMPED WITH 3/8" HIGH LETTERS IDENTIFYING TYPE OF SERVICE AND VALVE
- 16. PROVIDE MANUAL VOLUME DAMPERS AND BACKDRAFT DAMPERS FOR OUTSIDE AIR INTAKES ON ALL AIR HANDLING EQUIPMENT AND EXHAUST FANS SERVING CONDITIONED SPACES. EXCEPTION: EQUIPMENT WITH FACTORY AIR ECONOMIZERS.
- 17. OUTSIDE AIR INTAKES SHALL MEET AS A MINIMUM CODE REQUIRED CLEARANCES FROM EXHAUST, FLUE, FUEL BURNING APPLIANCES AND PLUMBING VENT OUTLETS. FOR GAS/ELECTRIC AIR CONDITIONING UNITS WHERE THE CODE REQUIRED CLEARANCES ARE NOT MET, A FACTORY FLUE GAS DEFLECTOR AND EXTENSION SHALL BE USED TO MINIMIZE THESE CLEARANCES. CONTRACTOR SHALL DETERMINE LOCATIONS WHERE REQUIRED PRIOR TO BID. THIS SHALL BE PROVIDED AT NO ADDITIONAL
- 18. EQUIPMENT WITH MOVING PARTS, FIXED OR FLEXIBLY MOUNTED, SHALL BE PROVIDED WITH FLEXIBLE DUCT AND PIPE

CONNECTIONS AND SHALL BE BRACED OR ANCHORED TO COMPLY WITH THE REQUIREMENTS OF TITLE 24.

- 19. HVAC EQUIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION TO COMPLY WITH THE LATEST EFFICIENCY STANDARDS.
- 20. CONTRACTOR TO SUBMIT ALL EQUIPMENT, DUCTWORK, AIR DISTRIBUTION DEVICES, AND OTHER ACCESSORIES TO THE ENGINEER FOR APPROVAL PRIOR TO ANY ORDERING OF SUCH ITEMS.
- 21. DUCTWORK, PIPING, CONDUIT, ETC. PENETRATING FIRE RATED CONSTRUCTION SHALL HAVE APPROVED FIRE STOPPING.
- 22. LOW VOLTAGE CONDUIT AND WIRING AS APPLICABLE, INCLUDING FINAL CONNECTIONS, SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR AS INDICATED ON THE MECHANICAL DRAWINGS OR SPECIFIED IN THE MECHANICAL SECTION OF THE SPECIFICATIONS.
- 23. LOW VOLTAGE WIRING SHALL BE IN CONDUIT WITHIN CONCEALED WALLS AND WHERE EXPOSED.

REQUIREMENTS.

24. ELECTRICAL CONTRACTOR SHALL PROVIDE REQUIRED RELAY ACCESSORIES FOR CONNECTION OF 120V/1PH VENTILATION EQUIPMENT TO 277V/1PH LIGHTING AS APPLICABLE.

CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT AND WIRING TERMINATIONS FOR BETWEEN BUILDINGS.

- 25. WHERE HVAC CONTROL WIRING IS REQUIRED BETWEEN BUILDINGS, PROVIDE UNDERGROUND CONDUIT WITH PULL STRING(S) FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR FOR THE ENERGY MANAGEMENT SYSTEM WIRING TERMINATIONS ONLY.
- 26. THERMOSTATS SHALL HAVE LOCKABLE COVERS (WHERE INDICATED ON PLANS) AND SHALL BE OF THE ELECTRONIC, PROGRAMMABLE, AUTOMATIC CHANGEOVER TYPE TO SEQUENCE HEATING OR COOLING. SET POINT RANGE SHALL BE 10F BETWEEN FULL HEATING AND COOLING. THEY SHALL HAVE CAPABILITY OF TERMINATING ALL HEATING AT A TEMPERATURE NO MORE THAN 0 F AND COOLING AT A TEMPERAT RE NOT LESS F AD STA LE TEMPERAT RE DIFFERENTIAL SHALL E 1 ½F CONTROL LIMITS SHALL BE FROM 55F TO 85F. MOUNT TOP OF BOX AT NO MORE THAN 42 INCHES ABOVE FLOOR OR AS REQUIRED
- 27. THERMOSTATS THAT ARE PART OF AN ENERGY MANAGEMENT SYSTEM SHALL FOLLOW CONTROL SPECIFICATIONS AND DRAWING

RESPOND TO A OCCUPANT CONTROLLED DEMAND RESPONSE SIGNAL OR PRICE SIGNAL FOR RESETTING OF ROOM SETPOINTS.

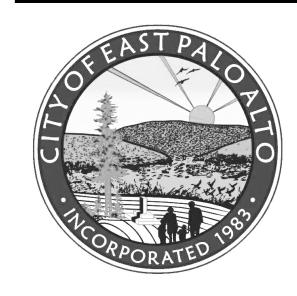
BY LOCAL AUTHORITIES FOR ACCESSIBILITY. IN ADDITION, THERMOSTAT(S) SHALL HAVE THE CAPABILITY TO CONNECT AND

- 28. SHOULD THE LOCATION OF THE THERMOSTAT NOT MEET THE ADA HEIGHT REQUIREMENTS DUE TO OBSTRUCTIONS, THEN AN ALTERNATE LOCATION SHALL BE PROPOSED OR REQUESTED BY THE CONTRACTOR THAT SHALL BE APPROVED BY THE ENGINEER AND ARCHITECT.
- 29. LINE VOLTAGE THERMOSTATS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- 30. DUCTWORK CONSTRUCTION SHALL BE INSTALLED, SEALED AND INSULATED TO MEET THE REQUIREMENTS OF CMC SECTIONS 601.0, 602.0, 603.0, 604.0, 605.0, AND ANSI /SMACNA-006 2006 HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE 3RD EDITION.
- 31. AT THE TIME OF ROUGH INSPECTION AND DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENTS, OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS TO REDUCE THE AMOUNT OF DEBRIS WHICH MAY COLLECT IN THE SYSTEM. PROVIDE POLLUTANT CONTROL PER CAL GREEN 2019 CODES SECTION 5.504.1-3 FOR TEMPORARY VENTILATION, COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION, AND USE OF LOW VOC SEALANTS
- 32. ALL SUPPLY, RETURN AND EXHAUST DUCT JOINTS SHALL BE SEALED PER CALIFORNIA MECHANICAL CODE CHAPTER 6

REQUIREMENTS. SEAL CLASS B.

- 33. DUCTWORK CONSTRUCTION SHALL MEET THE FOLLOWING SYSTEM PRESSURE REQUIREMENTS: 33.1. ALL OTHER DUCTWORK 2 INCH WATER COLUMN
- 34. NEW RECTANGULAR DUCTWORK SHALL BE SHEET METAL CONSTRUCTED OR SPIRAL ROUND, ERECTED, AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATIONS, PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS, CHAPTER 6 OF THE CALIFORNIA MECHANICAL CODES, OR THE APPLICABLE STANDARDS ADOPTED BY (SMACNA) SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION: SMACNA HVAC DUCT CONSTRUCTION STANDARDS -METAL OR FLEXIBLE, UL181 CERTIFIED.
- 35. ALL FLEXIBLE DUCT SHALL NOT EXCEED FIVE FEET IN LENGTH TO RESPECTIVE DIFFUSERS, GRILLES, OR OTHER AIR DEVICES. FLEX DUCT SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS PER CMC SEC.603.4.1.
- 36. LIMIT USE OF PERMANENT HVAC SYSTEMS DURING CONSTRUCTION TO CONDITIONING NECESSARY FOR MATERIAL AND EQUIPMENT INSTALLATION. IF PERMANENT HVAC IS USED DURING CONSTRUCTION, INSTALL MERV-8 FILTERS ON RETURNS, AND REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY, OR ,IF THE BUILDING IS OCCUPIED DURING ALTERATION, AT THE CONCLUSION OF CONSTRUCTION.
- 37. PROVIDE SEISMIC RESTRAINTS TO ALL DUCTWORK, PIPE, AND EQUIPMENT SUPPORTS IN ACCORDANCE WITH THE LATEST SMACNA GUIDELINES FOR SEISMIC RESTRAINT OF MECHANICAL SYSTEMS. SUSPENDED EQUIPMENT SHALL BE PROVIDED WITH SEISMIC ANCHORAGE AND ISOLATION SUPPORTS.
- 38. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OR THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT
- 39. RECTANGULAR DUCT TURNS IN SUPPLY, RETURN, AND EXHAUST DUCTS SHALL HAVE TURNING VANES UNLESS OTHERWISE NOTED, OR SHALL HAVE A INNER RADIUS TURN OF NO LESS THAN THE WIDTH OF THE DUCT.
- 40. DUCTWORK HANDLING CONDITIONED AIR SHALL BE INSULATED OR LINED. INTERIOR DUCTWORK SHALL BE INSULATED WITH A NON-FIBEROUS MATERIAL, R=4.2. ALL SUPPLY AND RETURN DUCTWORK EXPOSED TO WEATHER SHALL BE INTERNALLY LINED WITH 2" THICK DUCT LINER UNLESS OTHERWISE INDICATED OR SPECIFIED. ALL DUCT SIZES INDICATED ON PLANS ARE NET INSIDE DIMENSIONS. ALL INSULATION SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DENSITY NOT EXCEEDING 50. ALL DUCT INSULATION SHALL COMPLY WITH TABLE 4-16, 2019 CALIFORNIA NONRESIDENTIAL MANUAL.
- 41. CONTRACTORS OPTIONS: WHERE ROUND LINED DUCTWORK IS INDICATED, CONTRACTOR MAY USE RECTANGULAR DUCTWORK OF EQUIVALENT NET FREE AREA OR PRESSURE DROP (WHICHEVER IS MOST RESTRICTIVE).
- 42. MANUAL VOLUME DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL DIFFUSERS, GRILLES, AND REGISTERS, AS WELL AS OUTSIDE AIR INTAKE DUCTS. DAMPERS SHALL BE LOCATED AT THE BRANCH DUCT LOCATIONS. THE MECHANICAL CONTRACTOR SHALL COORDINATE LOCATIONS OF DAMPERS WITH THE AIR BALANCING CONTRACTOR PRIOR TO BID, SO AS TO ENSURE ACCESSIBILITY AFTER INSTALLATION. IN LOCATIONS WHERE THESE DAMPERS ARE INACCESSIBLE, CABLE OPERATED ADJUSTMENT CONTROLS SHALL BE PROVIDED AT NO ADDITIONAL COST. OPPOSED BLADE DAMPERS SHALL NOT BE PERMITTED UNLESS OTHERWISE NOTED.
- 43. FOR INACCESSIBLE AREAS THE CONTRACTOR SHALL PROVIDE ACCESS PANELS FOR ALL DAMPERS, EQUIPMENT, SMOKE DETECTORS, AND CONTROL DEVICES. THESE PANELS SHALL MATCH THE RATING OF THE WALL AND/OR CEILING THAT THEY ARE LOCATED IN. MINIMUM ACCESS PANEL SIZES SHALL BE 12"x12" FOR HAND ACCESS AND 30"x30" MINIMUM FOR BODY ACCESS. WHERE A LARGER ACCESS PANEL IS REQUIRED DUE TO INSTALLATION CONSTRAINTS OR EQUIPMENT SIZE, THE CONTRACTOR SHALL DO SO AT NO ADDITIONAL COST AND SHALL OBTAIN PRIOR APPROVAL FROM THE ARCHITECT, ENGINEER AND DSA.
- 44. HVAC CONTRACTOR TO REMOVE ALL LEFT OVER DUCTWORK SCRAPS, ETC. (IF ANY) AND LEAVE PREMISES CLEAN AND FREE OF ANY TRASH OR DEBRIS DUE TO THEIR WORK.

SYMBOL	ABBREVIATION	DESCRIPTION
	AFF	ABOVE FINISHED FLOOR
	AL	ACOUSTICALLY LINED
	BOD	BOTTOM OF DUCT
	CFM	CUBIC FEET PER MINUTE
<u> </u>	BDD	DAMPER: BACKDRAFT
	FSD	DAMPER: FIRE/SMOKE
	FD	DAMPER: FIRE
	MVD	DAMPER: MANUAL VOLUME
		DIAMETER
	DN	DOWN
	DS	DISCONNECT SWITCH
<u>\$</u>		DUCT SMOKE DETECTOR
	(E)	EXISTING
	EER	ENERGY EFFICIENCY RATIO
	EA	EXHAUST AIR
	F	FAN
	FLA	FULL LOAD AMPS
		FLEXIBLE DUCT
	HP	HORSEPOWER
	MCA	MINIMUM CIRCUIT AMPACITY
	MOCP	MAXIMUM OVERCURRENT PROTECTION
	MS	MOTOR STARTER
	RL	REFRIGERANT LIQUID
	RS	REFRIGERANT SUCTION
	OA	OUTSIDE AIR
	RA	RETURN AIR
	SA	SUPPLY AIR
	TA	TRANSFER AIR
	TP	RATED THRU PENETRATION
	SEER	SEASONAL EER
	SAD	SEE ARCHITECTURAL DRAWING
	SSD	SEE STRUCTURAL DRAWING
	CO	SENSOR: CARBON DIOXIDE
	(THERMOSTAT
	TYP	TYPICAL
	UON	UNLESS OTHERWISE NOTED
	WT	WEIGHT
	24x12	RECTANGULAR DUCT - INCHES
	12"	ROUND DUCT - INCHES



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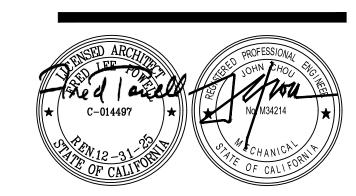
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT

04/28/23 100% BLDG PERMIT SETREVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

MECHANICAL
GENERAL NOTES AND
LEGENDS

SCALE

DATE

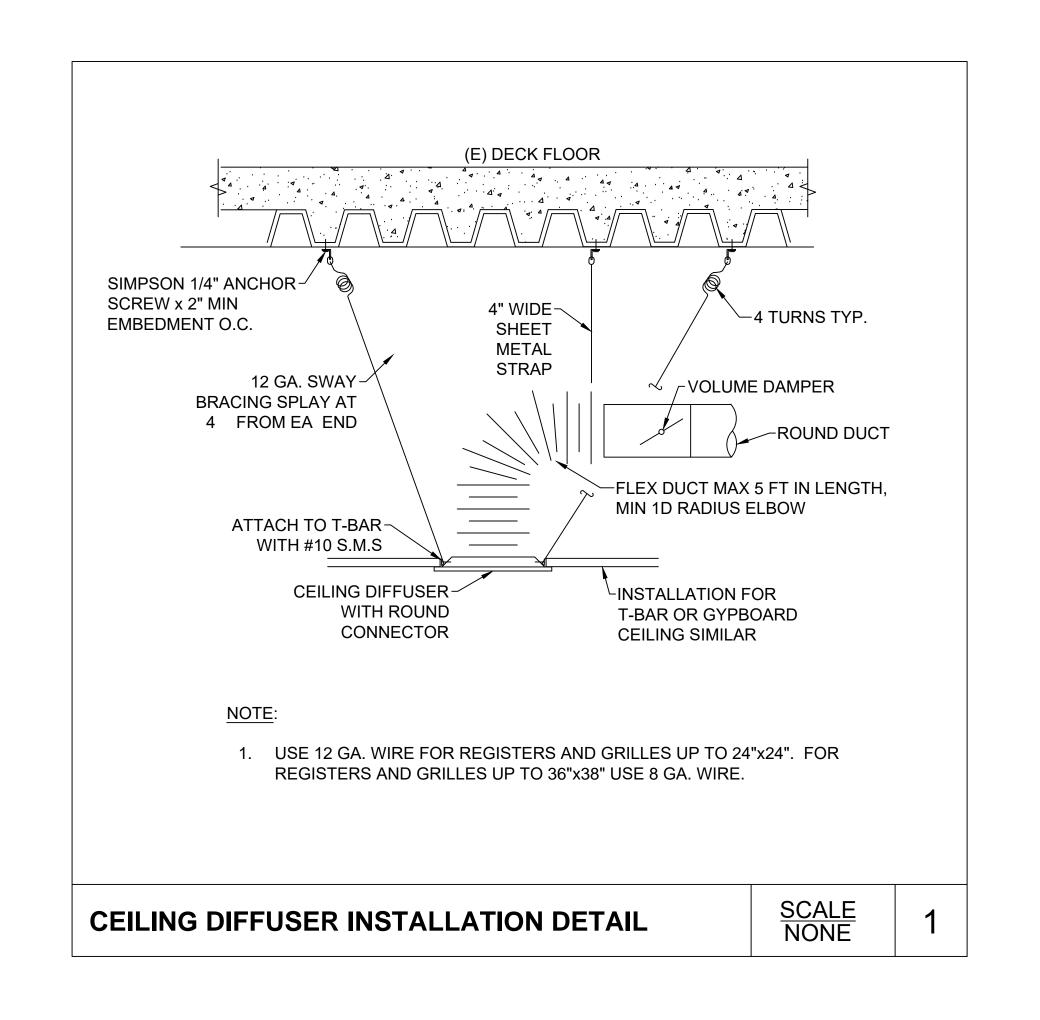
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AIR DIS	IR DISTRIBUTION									
STYLE	MFR	MODEL NO	APPLICATION	DESCRIPTION	INSTALLATION NOTES					
Α	TITUS	TMS	SUPPLY	SQUARE, 3 CONE DIFFUSER; STEEL BORDER & FACE; WHITE ENAMEL	LAY-IN CEILING INSTALLATION.					
В	TITUS	PAS	SUPPLY	PERFORATED; STEEL BORDER & FACE; WHITE ENAMEL	LAY-IN CEILING INSTALLATION.					
С	TITUS	PAR	RETURN	PERFORATED; STEEL BORDER & FACE: WHITE ENAMEL	LAY-IN CEILING INSTALLATION.					
D	TITUS	TMS	SUPPLY	SQUARE, 3 CONE DIFFUSER; STEEL BORDER & FACE; WHITE ENAMEL	SURFACE MOUNT CEILING INSTALLATION.					
Е	TITUS	PAS	SUPPLY	PERFORATED; STEEL BORDER & FACE; WHITE ENAMEL	SURFACE MOUNT CEILING INSTALLATION.					
F	TITUS	50F	EXHAUST	EGG CRATE; STEEL BORDER & FACE; WHITE ENAMEL	SURFACE MOUNT CEILING INSTALLATION.					
				DUCT NECK WIDTH — SC	OUARE FACE ODULE WIDTH 8-24 FYLE CFM					





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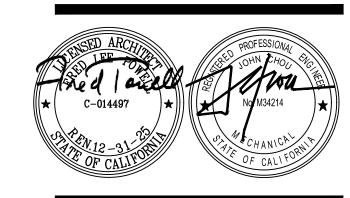
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MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





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SHEET TITLE

MECHANICAL SCHEDULE AND DETAIL

SCALE

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DATE 201000101

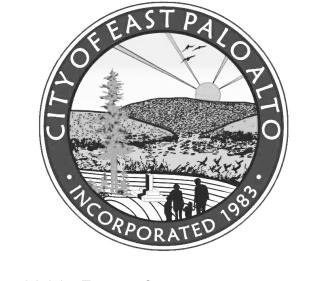
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SHEET NOTES:

- 1 (E) THERMOSTAT CONTROL TO REMAIN AND PROTECT DURING CONSTRUCTION
- 2 (E) SECONDARY CONDENSATE DRAIN TO REMAIN AND PROTECT DURING CONSTRUCTION
- REMOVE AND PROTECT (E) THERMOSTAT CONTROL. REINSTALL AND RECONNECT TO NEW LOCATION SEE SHEET M2.12
- 4 REMOVE (E) TIMER AND ASSOCIATE APPURTENANT FOR ELECTRIC HEATER.
- 5 (E) VAV BOXES AND FAN COIL UNITS TO REMAIN, PROTECT DURING



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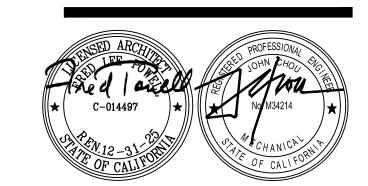
CONSULTANTS:

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ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

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POLICE EVIDENCE **ROOM REMODEL**

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SHEET TITLE

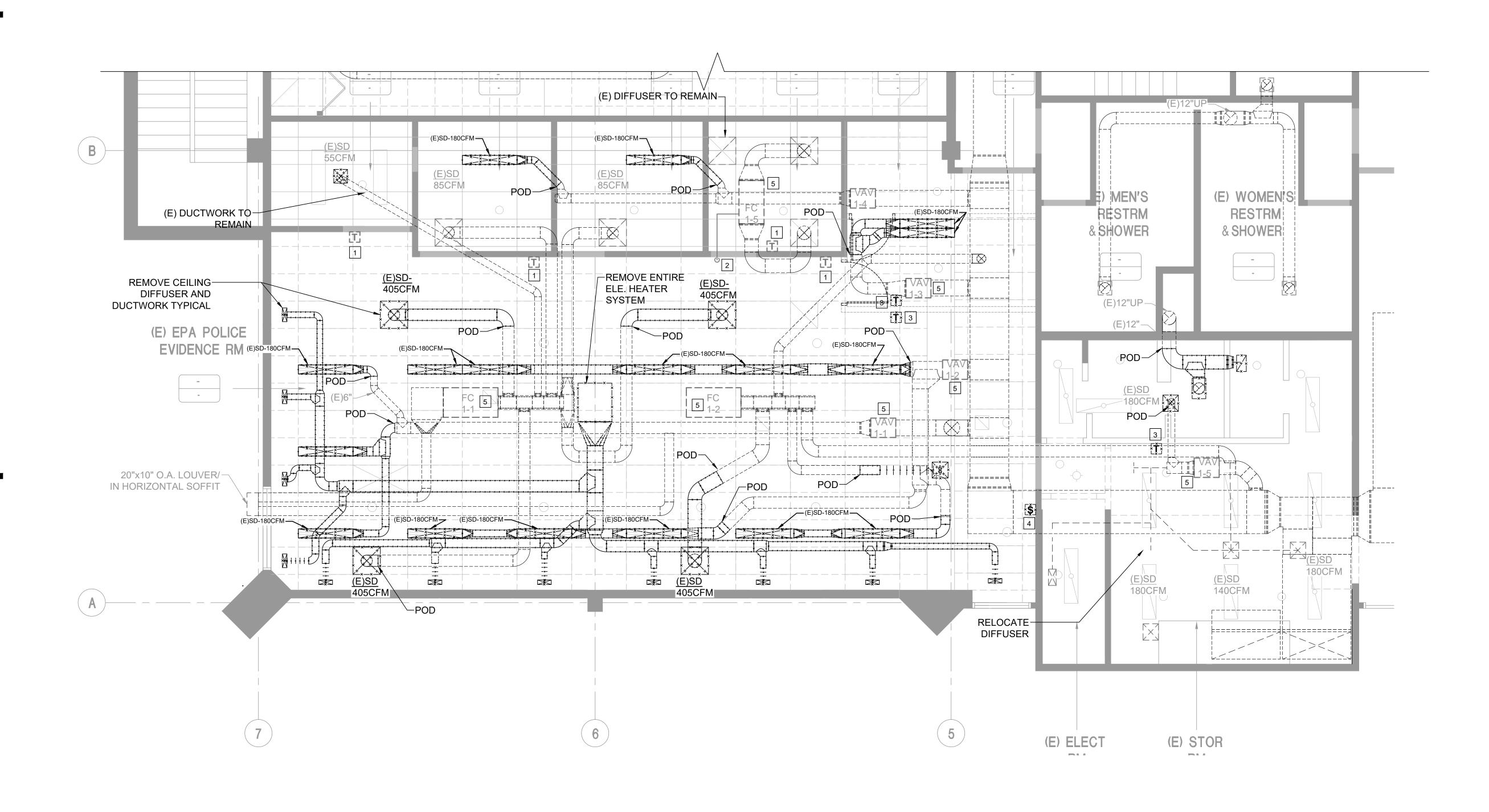
EPA POLICE EVIDENCE RM MECHANICAL DEMO **PLANS**

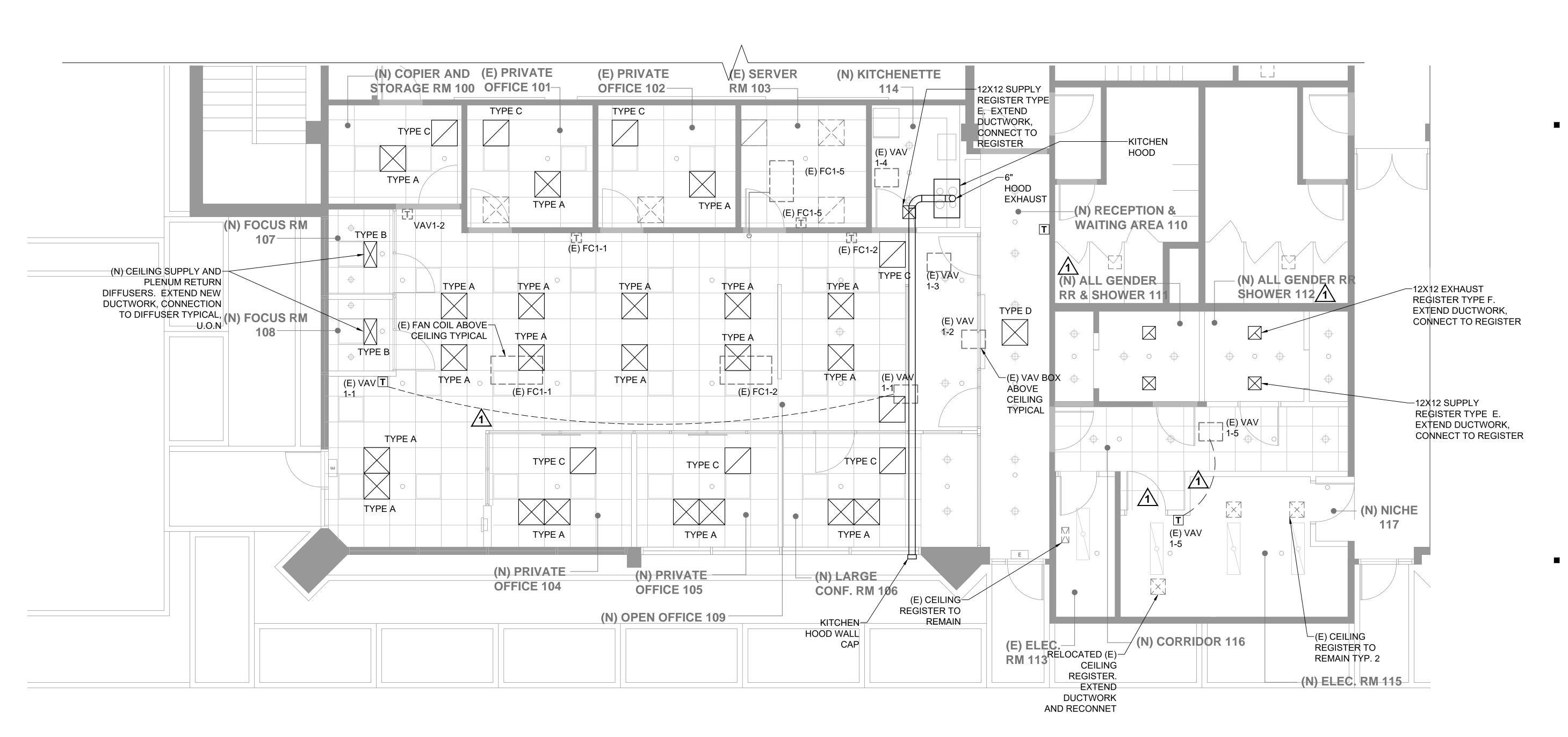
SCALE

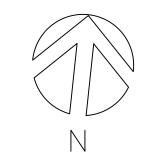
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(N) OFFICE MECHANICAL FLOOR PLAN

1/4" = 1'-0"



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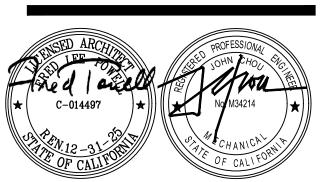
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS
04/28/23 100% BLDG PERMIT SET

PROJECT

REVISIONS:

POLICE EVIDENCE ROOM REMODEL

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SHEET TITLE

(N) OFFICE MECHANICAL FLOOR PLAN

SCALE

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BY:
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BY:

M2.12

GENERAL NOTES

- BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS FOR ADA FIXTURE LOCATIONS AND MOUNTING HEIGHTS. (INSULATE ALL EXPOSED HOT AND COLD WATER AND DRAIN PIPING BELOW ADA LAVATORIES AND SINKS AND OFFSET P-TRAP AGAINST WALL. ALSO, ALL FLUSH VALVES SHALL BE TO WIDE SIDE OF
- 4 TRAPS FOR ALL LAVATORIES AND SINKS SHALL TRAP STRAIGHT BACK TO WALL WITH ALL REQUIRED OFFSETS HAPPENING WITHIN THE WALL.
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE IN THE NAME OF THE OWNER AND SHALL PAY ALL MATERIAL AND LABOR COSTS INCIDENTAL TO AN OPERABLE UTILITY SERVICE AS REQUIRED BY THE DESIGNATED GOVERNING AUTHORITIES OF THE
- ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING ACCESS PANELS WITH THE ARCHITECTURAL REFLECTED CEILING PLANS AND THE ELEC. LIGHTING LAYOUT.
- THE PLUMBING CONTRACTOR SHALL PROVIDE THE WATER, SEWER AND STORM DRAIN SYSTEMS TO A POINT OF CONNECTION SHOWN ON FLOOR PLANS AND SHALL MEET THE INVERT ELEVATION AS FIELD VERIFIED WHILE MAINTAINING REQUIRED PIPE GRADE.
- ANY ALTERATIONS TO A STRUCTURAL MEMBER, SUCH AS CUTTING, BORING, BRAZING, DRILLING, WELDING, ETC. SHALL HAVE PRIOR WRITTEN
- APPROVAL OF ARCHITECT AND STRUCTURAL ENGINEER. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH
- CONTRACTOR TO PROVIDE WATER HAMMER ARRESTORS AS MANUFACTURED BY JAY R. SMITH. WATER HAMMER ARRESTORS SHALL BE INSTALLED
- PER MANUFACTURER'S RECOMMENDATIONS ON ALL DOMESTIC WATER BRANCH LINES SERVING FIXTURES.

ALL PLUMBING FIXTURE VENTS TO TERMINATE A MIN. OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKES.

- 13 ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.

EQUIPMENT, CABINETS, ETC., AND THE ARCHITECT PRIOR TO ANY INSTALLATION.

- CONTRACTOR SHALL COORDINATE LAYOUT OF ALL BELOW GRADE PIPING AND COMPONENTS WITH GENERAL CONTRACTOR PRIOR TO BID TO DETERMINE EXTENT OF REQUIRED SAW CUTTING, EXCAVATION, AND SUBSEQUENT REPAIR/RESTORATION OF ALL AFFECTED HARDSCAPE AND SOFTSCAPE SURFACES. ALL SUCH ITEMS SHALL BE INCLUDED IN BID.
- BEFORE FABRICATION OR INSTALLATION THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND EQUIPMENT PROVIDED UNDER ANOTHER SECTION OF SPECIFICATIONS. EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN FIELD.
- ALL POINTS OF CONNECTION SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR PRIOR TO BID.
- ALL WASTE AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE INDICATED.
- ALL VALVES, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH AND BE CONSIDERED TO BE A PART OF SEPARATE AND COMPLETE MECHANICAL
- CONNECTION BETWEEN INCOMPATIBLE MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO (2) DIELECTRIC UNIONS SEPARATED BY A SIX INCH (6") SECTION OF RED BRASS PIPE.
- ALL EXTERIOR GAS COCKS, WATER SHUT OFF VALVES AND/OR SEWER CLEANOUTS BELOW GROUND SHALL BE INSTALLED IN YARD BOXES WITH THE COVERS CONSPICUOUSLY MARKED "GAS", "WATER", AND "SEWER" RESPECTIVELY.
- THE CONTRACTOR SHALL VERIFY THE EXACT ELEVATIONS AND LOCATION OF EXISTING DRAINAGE SYSTEM PIPING PRIOR TO CONNECTION OF ANY
- ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATIONS AND NOT LESS THAN 6" ABOVE THE FLOOR TO PROVIDE CLEARANCE FOR CLEANING. AT WALL OR COLUMN LOCATIONS, PIPING ROUGH-IN SHALL BE STUBBED IN WALLS WHENEVER POSSIBLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL AREAS WHICH ARE DAMAGED BY HIS OPERATIONS. IN ADDITION, THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL EXISTING TO REMAIN STRUCTURE AND NEW CONSTRUCTION DAMAGED BY
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL PAVED AREAS WHICH ARE EXCAVATED AND/OR DAMAGED BY HIS OPERATIONS. IN ADDITION, THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL PLANTED AREAS DAMAGED BY HIS OPERATIONS.
- ALL PATCHING AND REPAIRING OF CONCRETE PAVING AND/OR WALKS SHALL BE UNDER ANOTHER SECTION OF THE SPECIFICATIONS
- ALL EXISTING PIPING DAMAGED DURING EXCAVATION SHALL BE REPAIRED WITH MATERIALS TO MATCH EXISTING BY THE CONTRACTOR AT NO COST
- ALL CUTTING OF EXISTING PAVING, WALKS AND/OR FLOORS SHALL BE BY MACHINE SAW CUTTING. HOLES FOR PIPES IN CONCRETE WALLS OR FLOORS SHALL BE DONE BY CORE DRILLING EQUIPMENT.
- ALL PIPING, EXCEPT PIPING OF NONFERROUS MATERIAL, INSTALLED WITHIN THE GROUND SHALL BE PROTECTED AGAINST CORROSION BY A PROTECTIVE COVERING SUITABLE FOR THE PURPOSE AND SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL. ANY PIPING SUBJECT TO UNDUE CORROSIVE ACTION SHALL BE PROTECTED IN A MATTER SUITABLE FOR THE PURPOSE AND SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.
- ALL PENETRATIONS AND OPENINGS IN PARTY WALLS AND ROOF/FLOOR/CEILING ASSEMBLIES DUE TO PLUMBING WORK SHALL BE SEALED LINED, INSULATED OR OTHERWISE TREATED TO MAINTAIN THE REQUIRED FIRE AND SOUND RATING.

M/E/P COMPONENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDED ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA. THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT
- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSFERS AND LONGITUDINAL

- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL
- THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2022 CBC SECTION 1617A.1.24, 1617A.1.25 AND 1617A.1.26

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR CBC 2013 OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND THE BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM#); (I.E. OPM 0114-13 B-LINE, OPM#-0043-13 MASON INDUSTRIES INC., AND OPM#-0203-13 M.W. SAUSSE & CO. INC.).

	PLUME	BING LEGEND
SYMBOL	ABBREVIATION	DESCRIPTION
	W	SANITARY WASTE/SEWER PIPING
GW	GW	GREASE WASTE PIPING
SD	SD	STORM DRAIN PIPING
OFD	OFD	OVERFLOW DRAIN PIPING
	V	WASTE/SANITARY VENT PIPING
GV	GV	GREASE VENT PIPING
		DEMO FIXTURE/PIPING
	(E)W	EXISTING SANITARY SEWER PIPING
	(E)V	EXISTING SANITARY VENT PIPING
	CW	DOMESTIC COLD WATER PIPING
	HW	DOMESTIC HOT WATER PIPING
	HWR	DOMESTIC HOT WATER RETURN PIPING
	(E)CW	EXISTING COLD WATER PIPING
	(E)HW	EXISTING HOT WATER PIPING
	(E)HWR	EXISTING HOT WATER RETURN PIPING
G	G	NATURAL GAS PIPING
MPG	MPG	MEDIUM PRESSURE NATURAL GAS PIPING
G	(E)G	EXISTING NATURAL GAS PIPING
MPG	(E)MPG	EXISTING MEDIUM PRESSURE NATURAL GAS PIP
CD	CD	CONDENSATE DRAIN PIPING
С		PIPE GOING DOWN
0		PIPE GOING UP
3		TEE
Φ •	FCO	FLOOR CLEANOUT/CLEANOUT TO GRADE
∞		P-TRAP
•	POC	POINT OF CONNECTION
ļii	wco	WALL CLEANOUT
		PIPE CAP
+	НВ	HOSE BIBB
M	SOV	SHUT-OFF VALVE
M	SOVAP	SHUT-OFF VALVE BEHIND ACCESS PANEL
\bigotimes	SOVYB	SHUT-OFF VALVE IN YARD BOX
l∇ / ~		PLUG VALVE
Å		GAS COCK VALVE
兇		PRESSURE REDUCING VALVE
И		CHECK VALVE
Ø	FD	FLOOR DRAIN
	FS	FLOOR SINK
XX-X		EQUIPMENT OR FIXTURE
	CONT	CONTINUED/CONTINUATION

LIST OF APPLICABLE CODES

CONTINUED/CONTINUATION

DISTANCE FROM METER

FROM

BELOW

DOWN

VENT THROUGH ROOF

ACCESS DOOR

NOT IN CONTRACT

REFERENCE

SEE ARCHITECTURAL DRAWINGS

SEE MECHANICAL DRAWINGS

SEE CIVIL DRAWINGS

SEE STRUCTURAL DRAWINGS

SQUARE FEET

LIST OF CODES AND STANDARDS MODEL CODE EDITIONS EFFECTIVE JANUARY 1, 2020 2022 CA BUILDING CODE TITLE 24 PART 2 VOLUME #1 AND #2 2022 CA ELECTRICAL CODE TITLE 24 PART 3 2022 CA MECHANICAL CODE TITLE 24 PART 4 2022 CA PLUMBING CODE TITLE 24 PART 5 2022 CA FIRE CODE TITLE 24 PART 9

CONT.

DFM

FR.

BEL.

DN.

VTR

AΡ

NIC

REF.

S.A.D.

S.M.D.

S.C.D.

S.S.D.

SF

2022 CA BUILDING STANDARDS TITLE 24 PART 9

PLUMBING FIXTURE SCHEDULE

FIXTURE	MARK	RO	UGH IN CO	NNECTION	IS	DESCRIPTION
FIXTURE	IVIARK	HW	CW	WASTE	VENT	DESCRIPTION
WATER CLOSET	<u>WC-1</u>		1-1/4"	4"	2"	AMERICAN STANDARD MILLENNIUM FLOWISE 3351.101 WALL MOUNTED WATER CLOSET WITH EVERCLEAN, ELONGATED BOWL, VITREOUS CHINA, 1-1/2" TOP SPUD, POWERFUL DIRECT-FED SIPHON JET ACTION. FLUSH VALVE: SLOAN ROYAL 111-1.28 DIAPHRAGM TYPE, CHROME PLATED, HIGH EFFICIENCY 1.28 GPF. TOILET SEAT: BEMIS 1955SSCT OPEN FRONT LESS COVER, ELONGATED, HEAVY DUTY, INJECTION MOLDED SOLID PLASTIC, WHITE. CARRIER: SEE SECTION 22 00 00. FIELD VERIFY CARRIER TYPE REPLACE WITH BACK TO BACK CARRIER
LAVATORY	<u>L-1</u>	1/2"	1/2"	2"	2"	WS BATH COLLECTION MODEL SIMPLE 60.50A WALL MOUNTED 23.6" X 19.7" X 5.5" LAVATORY, CERAMIC, WALL MOUNT WITH OVERFLOW, ADA COMPLIANT, INCLUDE WALL MOUNTING HARDWARE, WITH FAUCET AND SOAP DISPENSE HOLES, DRAIN AND TRAP. FAUCET: CHICAGO FAUCET TOUCHLESS 116.768.AB.1 HYDTRONIC ELECTRONIC FAUCET WITH DUAL BEAM INFRARED SENSOR. CHROME PLATE SINGLE HOLE DECK MOUNT 0.5 GPM
SINK	<u>S-1</u>		1" 2	2"	2"	ELKAY LUSTERTONE LRAD2219 COUNTER MOUNTED, 18 GAUGE, TYPE 304 STAINLESS STEEL, SELF RIMMING. FAUCET: MOEN FAUCETS MODLE ALIGN 1.5 GPM SINGLE HOLE PULL DOWN KITCHEN FAUCET WITH SPOT RESIST FINISH AND DURALAST PRESSURE COMPENSATING LAMINAR NON-AERATING. STRAINER/ANGLE STOPS/P-TRAP/PIPE WRAP: SEE SECTION 22 00 00
SHOWER	<u>SH-1</u>	1/2"	1/2"	2"	2"	BRADLEY HN200-T24-S15-TMV-RSS-GB-VS WALL RECESSED MOUNTED WALL SHOWER, 14 GAUGE, TYPE 304 STAINLESS STEEL PANEL, 1.5 GPM SHOWER HEAD, HAND-HELD SHOWER SPRAY WITH 60" HOSE, L-SHAPED GRAB BARS. SEAT: BRADLEY 9591 ADA COMPLIANT SEAT. FLOOR DRAIN: ZURN #Z415B FLOOR DRAIN DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND "TYPE B" POLISHED NICKEL BRONZE, LIGHT DUTY STRAINER.
FLOOR DRAIN	FD-1			SEE PLAN	SEE PLAN	ZURN #Z415-SZ1 FLOOR DRAIN DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND 5"X5" ZS POLISHED STAINLESS STEEL TOP ASSEMBL, LIGHT DUTY STRAINER, TRAP PRIMER CONNECTION, STABILIZER RING ASSEMBLY FOR ON-GRADE INSTALL.
TRAP PRIMER	TP-1		1/2"			PRECISION PLUMBING PRODUCTS P2-500 TRAP PRIMER, CORROSION RESISTANT BRASS, PISTON OPERATED.

I. ITEM DESCRIPTIONS INCLUDED IN THIS SCHEDULE ARE INTENDED TO DESCRIBE GENERAL FIXTURE CONFIGURATIONS, AND DO NOT INCLUDE ALL REQUIREMENTS.

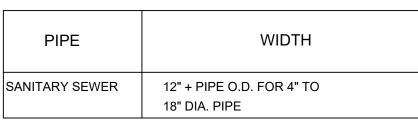
REFER TO SPECIFICATION SECTION 22 00 00 FOR ADDITIONAL REQUIREMENTS.

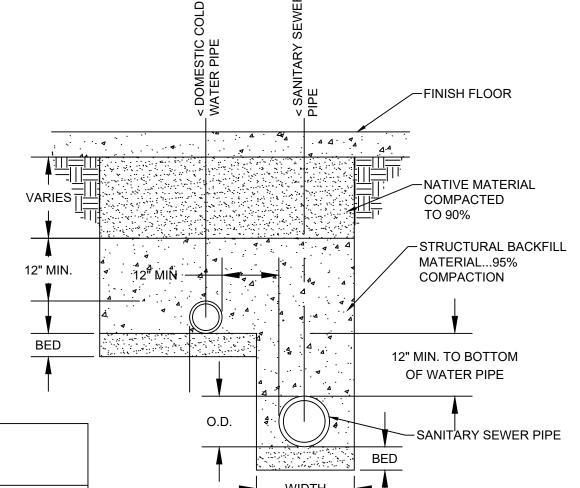
2. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND REQUIRED CLEARANCES OF ALL FIXTURES.

3. ALL FIXTURES, TRIM, AND VALVING SHALL COMPLY WITH CALIFORNIA'S LEAD FREE PLUMBING LAW, HEALTH AND SAFETY CODE AND CA ASSEMBLY BILL 1953.

STRUCTURAL BACKFILL MATERIAL: NONEXPANSIVE SOIL EXCAVATED FROM THE UTILITY TRENCH OR SITE CUT AREAS, OR FROM OFF-SITE BORROW FILL MATERIAL, WHICH IN THE OPINION OF THE GEOTECHNICAL ENGINEER IS SUITABLE FOR BACKFILLING. PROVIDE MATERIAL WHICH CONTAINS NO ROCKS OR CLODS OVER 3 INCHES IN DIAMETER, IS FREE OF DEBRIS AND ORGANIC MATTER, AND A MINIMUM OF 40 PERCENT OF THE MATERIAL PASSES A NO. 4 SCREEN. LIMIT ROCK AND CLOD SIZE TO 3 INCHES MAXIMUM DIAMETER FOR BACKFILLING TRENCHES 12 INCHES OR LESS

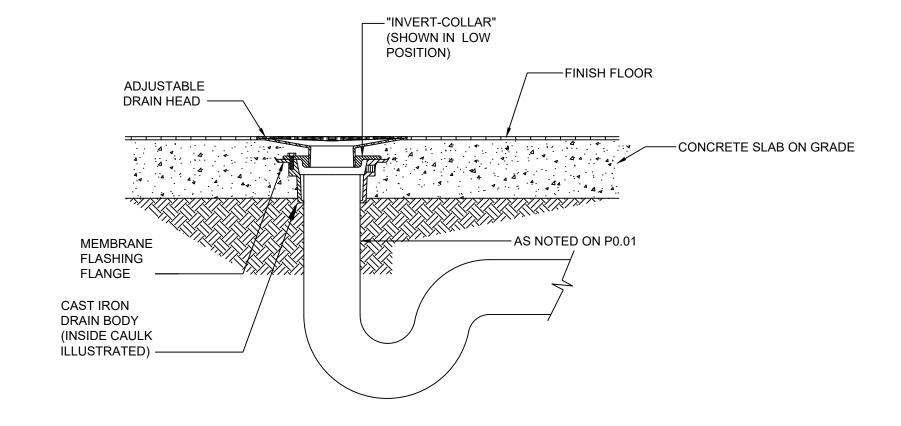
BEDDING SAND: CLASS A SCREENED FILL SAND WITH A MAXIMUM PARTICLE SIZE OF 1/2 INCH, NOT EXCEEDING 18 PERCENT AND FREE OF EXPANSIVE MATERIALS, DEBRIS AND ORGANIC





PIPE TRENCH BELOW FLOOR SLAB DETAIL

2



FLOOR DRAIN DETAIL

1960 Tate Street East Palo Alto, CA 94303

POWELL PARTNERS ARCHITECTS

A CALIFORNIA CORPORATION

311 Oak Street, # 331

Oakland, CA 94607 Phone: (510) 912-8386

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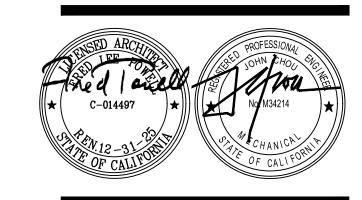
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc





CONSULTANT

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

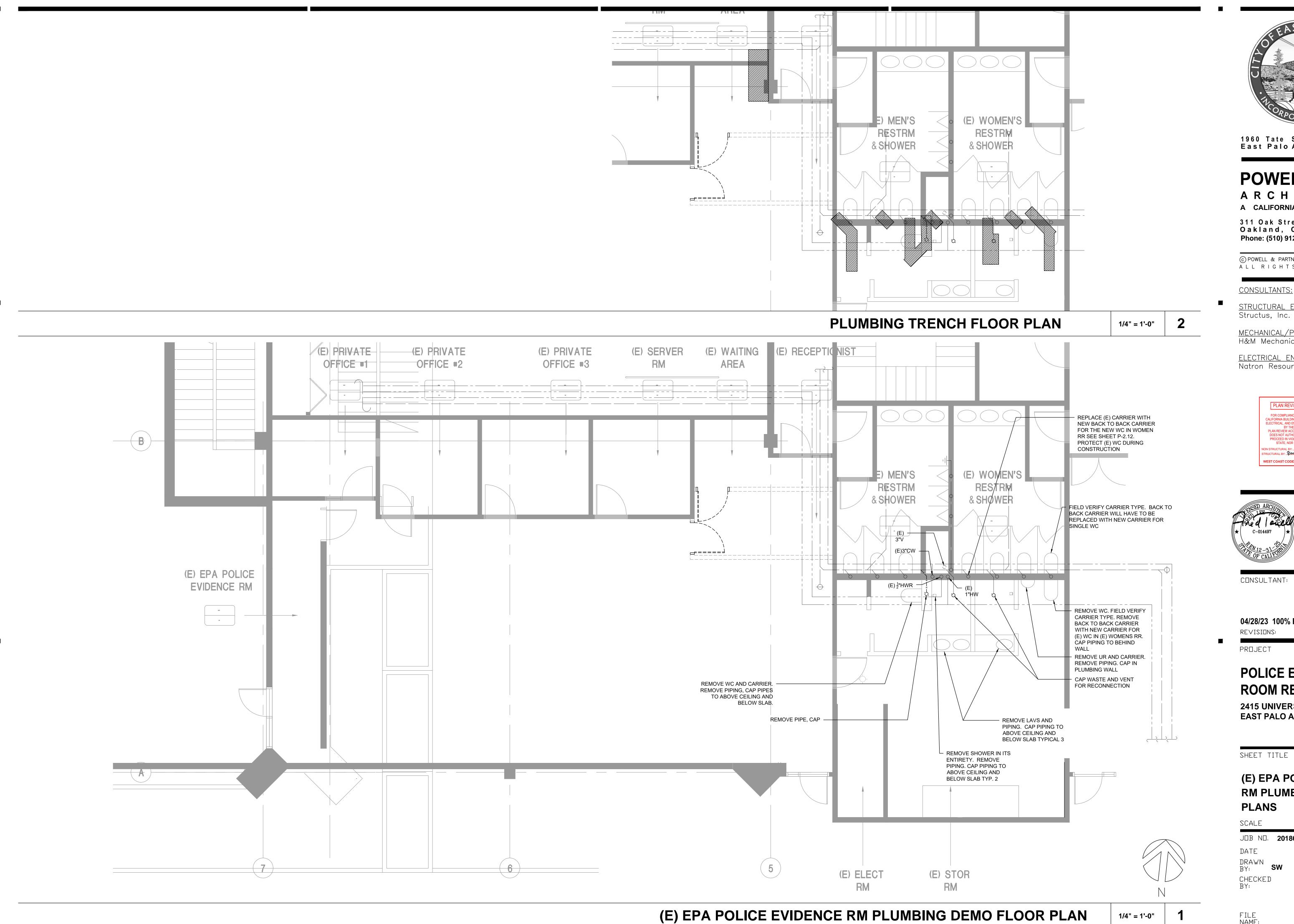
2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

PLUMBING GENERAL **NOTES, LEGEND AND SCHEDULES**

J□B N□. **201806.01** SHEET NO DATE

DRAWN CHECKED





1960 Tate Street East Palo Alto, CA 94303

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311 Oak Street, # 331 Oakland, CA 94607 Phone: (510) 912-8386

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CONSULTANTS:

STRUCTURAL ENGINEER:

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.

> PLAN REVIEW ACCEPTANCE FOR COMPLIANCE WITH THE APPLICABLE
> CALIFORNIA BUILDING, PLUMBING, MECHANICAL,
> ELECTRICAL, AND ENERGY CODES AS AMENDED
> BY THE JURISDICTION.
> PLAN REVIEW ACCEPTANCE OF DOCUMENTS
> DOES NOT AUTHORIZE CONSTRUCTION TO
> PROCEED IN VIOLATION OF ANY FEDERAL,
> STATE, NOR LOCAL REGULATION. non structural by: *Joshua Yanson* structural by: <u>Yanxian Chen</u> date: 04/01/2024



CONSULTANT:

04/28/23 100% BLDG PERMIT SET

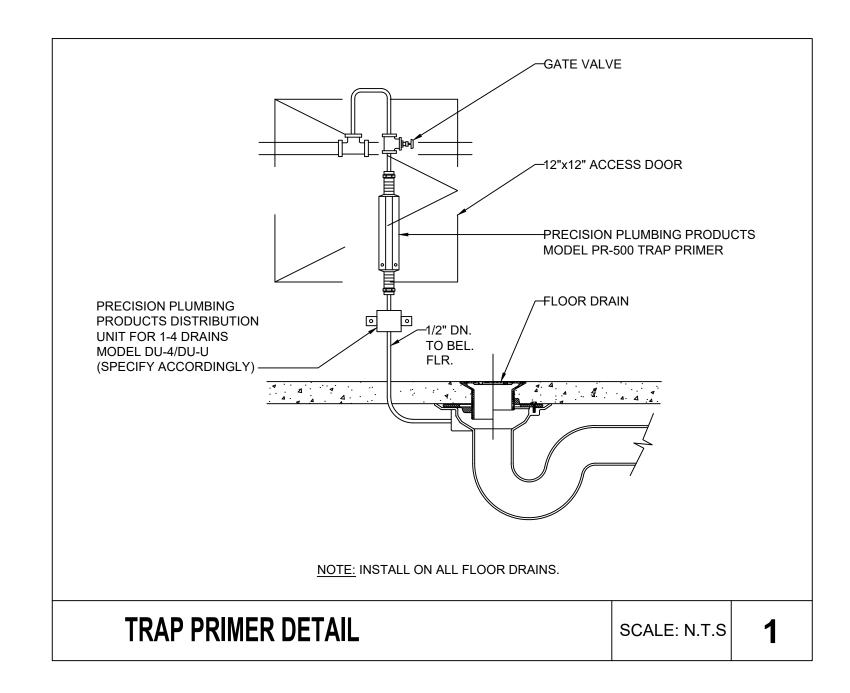
POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(E) EPA POLICE EVIDENCE RM PLUMBING DEMO

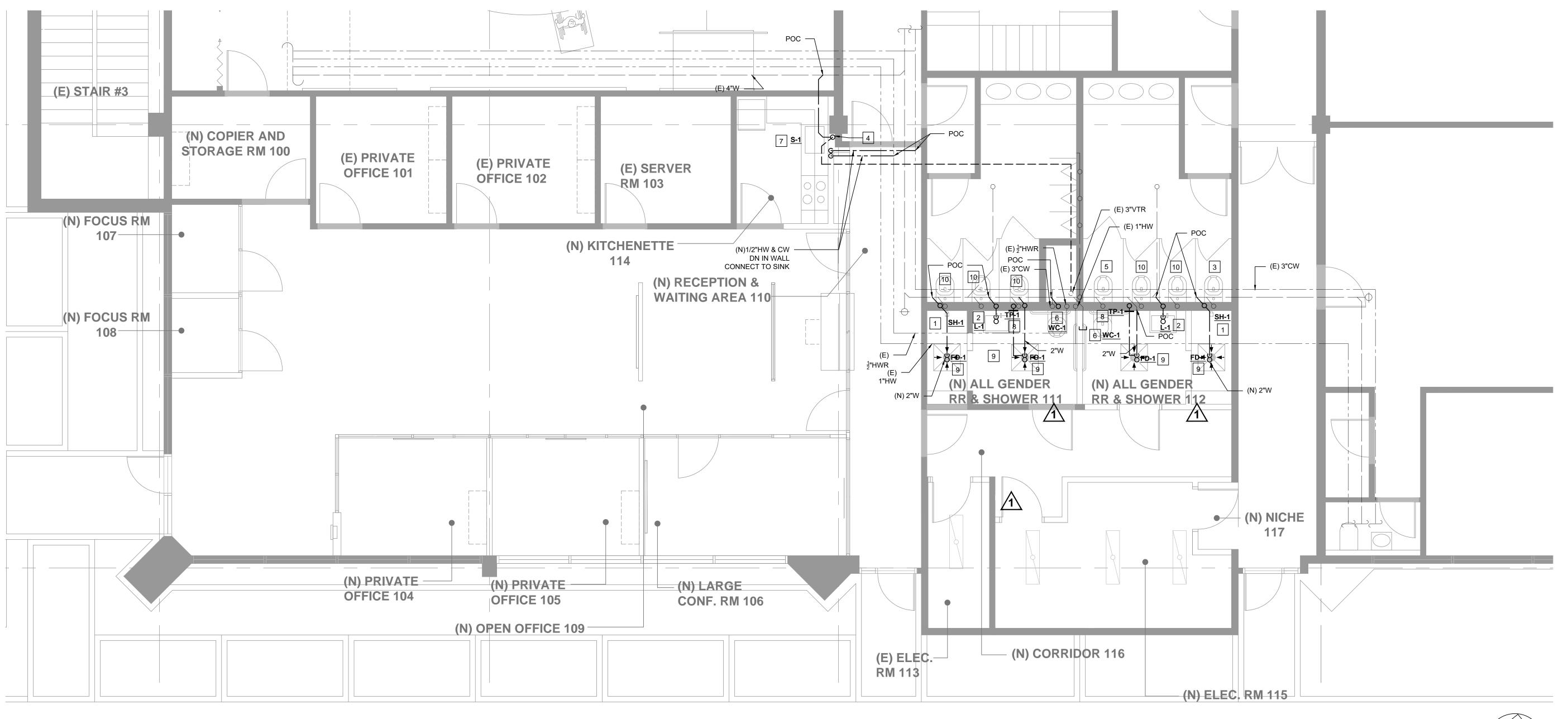
J□B N□. **201806.01** SHEET NO.



SHEET NOTES:

CONNECT TO (E) 3" VTR

- INSTALL NEW SHOWER, FLOOR DRAIN AT LOCATION AS INDICATED IN ARCH. DRAWINGS. PROVIDE NEW ROUGH-IN, CONNECTION TO (N) SHOWER. CONNECT (N)¹/₂" HW AND CW TO (E) IN PLUMBING WALL. PROVIDE (N) 2"W CONNECTION TO (E) UNDERSLAB MAIN. PROVIDE (N) 2" V CONNECTION TO (E) 3"VTR
- 2 INSTALL NEW LAV AT LOCATION AS INDICATED IN ARCH. DRAWINGS. PROVIDE NEW ROUGH-IN, CONNECTION TO (N) LAV. CONNECT (N)2" HW AND CW TO (E) IN PLUMBING WALL. CONNECT (N)2"W TO (E) UNDERSLAB MAIN AND (N)2" V UP
- FIELD VERIFY CARRIER TYPE. INSTALL NEW CARRIER FOR (E) WC IN (E) WOMENS RESTROOM. PROVIDE NEW ROUGH-IN AND CONNECTION TO (E) WC
- 4 (N)2" W DN, (N)2"V UP ROUTE, CONNECT TO (E) 3"VTR
- INSTALL (E) WC TO NEW CARRIER. PROVIDE NEW ROUGH-IN, CONNECTION TO (E)
- 6 INSTALL NEW WC AT LOCATION AS INDICATED IN ARCH. DRAWINGS. PROVIDE NEW CARRIER, ROUGH-IN, CONNECTION TO THE NEW WC. CONNECT CW TO (E) IN PLUMBING WALL. CONNECT NEW 4"W TO (E) UNDERSLAB MAIN AND (N)2"V TO (E)
- 7 INSTALL NEW SINK AT LOCATION AS INDICATED ON ARCH. DRAWINGS. CONNECT NEW WASTE, CW, HW PIPING TO SINK
- 8 WALL ACCESS PANEL FOR TRAP PRIMER. SEE DETAIL 2 THIS SHEET. CONNECT 1/2" CW TO (E) MAIN LINE IN WALL. ROUTE, CONNECT ¹/₂" CW TO FD-1
- INSTALL NEW FLOOR DRAIN AS INDICATED IN THE ARCHITECTURAL DRAWINGS. CONNECT TO (E) UNDERSLAB WASTE AND VENT PIPING. SEE DETAIL 2 ON SHEET
- 10 (E) WC SHALL BE REMOVED, PROTECTED DURING CONSTRUCTION TO MAKE ROOM FOR THE NEW WASTE PIPING TO BE INSTALLED





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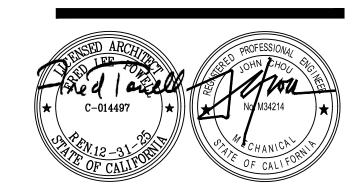
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

10/06/23 BLDG DEPARTMENT REVISIONS 04/28/23 100% BLDG PERMIT SET

PROJECT

REVISIONS:

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) EPA POLICE EVIDENCE **RM PLUMBING PLANS**

SCALE

J□B N□. **201806.01** SHEET NO. DATE

DRAWN BY: CHECKED BY:

P2.12

(N) EPA POLICE EVIDENCE RM PLUMBING FLOOR PLAN

1/4" = 1'-0"

	<u>LEGEND</u>
۸ 1	CIRC ITING
A-1¬ 3 ►	HOMERUN CONDUIT AND CONDUCTORS TO PANEL 'A' CIRCUIT 1; SLASH MARKS INDICATE NUMBER OF CONDUCTORS, 2 #12 AWG + 1 #12 GND, UON
	CIRCUIT RUN IN FLOOR OR UNDERGROUND
	CIRCUIT RUN IN WALL OR CEILING
	ELECTRICAL APPARAT S AND E IPMENT
만 마	SAFETY DISCONNECT SWITCH, FUSED AND NON-FUSED
\sim	CIRCUIT BREAKER
<u></u>	GROUND TO EARTH
	SWITCH
M	SELF-CONTAINED METER
M	MOTOR OUTLET
0	FAN OUTLET
€ M	CURRENT TRANSFORMER WITH UTILITY METER & SOCKET
www.	TRANSFORMER, SINGLE OR THREE PHASE, SINGLE LINE
•	UNDERGROUND TERMINATION POINT
	PANEL OARDS AND RELATED E IPMENT

PANELBOARD, SURFACE OR RECESSED

WALL SWITCH, OCCUPANCY SENSOR, 0-10V DIMMER

ACCESS-CONTROL CARD READER - BY OTHERS

DAYLIGHT SENSOR, CEILING OR WALL MOUNTED

DIMMER SWITCH, MAX HEIGHT 48" TO TOP

WALL SWITCH, OCCUPANCY SENSOR

LOW VOLTAGE CONTROL SWITCH

INTEGRATED ROOM CONTROLLER

POWER PACK

 $\bigcirc \vdash \bigcirc \bigcirc$

EM EM

A RE IATIONS PANEL OARDS AND RELATED E IPMENT

	AFF	ABOVE FINISHED FLOOR
TELEDUONE TEDMINAL DOADD	BC	BARE COPPER
TELEPHONE TERMINAL BOARD	BP	
NEUTRAL LINIX	Č.	
NEUTRAL LINK	ČВ	
	CKT	
	CO	
O TLETS	CU	
	CMD	COLD WATER DIDE
JUNCTION BOX; CEILING, WALL OR FLOOR MOUNTED	CWP	
CONCION DOX, CLILING, WALL ON I LOOK MICONTED	DF	DEMAND FACTOR
DUDLEY DECEDTACLE (MINIMUM LIFICUIT	DIA	DIAMETER
DUPLEX RECEPTACLE (MINIMUM HEIGHT	EC (E) EL	ELECTRICAL CONTRACTOR
TO BE 15"AFF TO BOTTOM OF BOX)	<u>(</u> E)	EXISTING TO REMAIN
	EL	EMERGENCY LIGHT
DUPLEX CEILING RECEPTACLE	EGC	
	GFCI	
FOURPLEX RECEPTACLE (MINIMUM HEIGHT		CIRCUIT INTERRUPTER
	G, GND	
TO BE 15"AFF TO BOTTOM OF BOX, UON),	GEC	
SPLIT-WIRED DUPLEX RECEPTACLE (MINIMUM	HDPE	
HEIGHT TO BE 15"AFF TO BOTTOM OF BOX, UON),		POLYETHYLENE
	HP	HORSEPOWER
DIGITAL CLOCK	IRC	INTEGRATED ROOM CONTROLLER
	LTG	LIGHTING
WALL DATA COMMUNICATION OUTLET	LT LCP	LIGHT
(MINIMUM HEIGHT TO BE 15"AFF TO BOTTOM	LCP	LIGHTING CONTROL PANEL
ÒF BOX, UON)	LED	LIGHT EMITTING DIODE
01 2011,	MFCR	
DUPLEX POWER FLOOR BOX	MTD	MOUNTED
	(N)	NEW
COMBO POWER/DATA FLOOR BOX	Ν̈́	NEUTRAL
COMBO FOWERY DATA TEOOR BOX	OH	OVERHEAD
	P	POLE
EXIT SIGN, CEILING OR WALL MTD, WITH ARROWS	PB	PULL BOX
AS INDICATED. SHADED QUADRANT DENOTES FACE	PC	PHOTOCONTROL
AS INDICATED. SHADED GOADINANT DENOTES TACE	POC	POINT OF CONNECTION
TWIN LIEAD EMEDOENION LIGHT WALL MOUNTED	PVC	POLYVINYLCHLORIDE
TWIN HEAD EMERGENCY LIGHT, WALL MOUNTED	PWR	POWER
		EXISTING TO BE REMOVED
WALL MOUNTED LIGHT FIXTURE	(R) (RL)	RELOCATED EXISTING
WALL MOUNTED LIGHT FIXTURE	RMC	RIGID METAL CONDUIT
	SCH	
CEILING MOUNTED LIGHT FIXTURE	SMD	
	SPD	
	TBD	
LIGHT FIXTURE ON EMERGENCY GENERATOR POWER	TEL	TELEPHONE
	TV	TELEVISION
SINGLE POLE SWITCH, MAX HEIGHT 48" TO TOP	TS	
EDGE OF BOX	TYP	TYPICAL
LDOL OI DOA		UNLESS OTHERWISE NOTED
OCCUPANCY SENSOR, CEILING MOUNTED	UON	
OCCUPANCE SENSON, CEILING MOUNTED	V W	VOLT
WALL SWITCH OCCUDANCY SENSOD	WD	WATT

WEATHERPROOF

FIRE ALARM/LIFE SAFET /SEC RIT

SPRINKLER FLOW SWITCH

SMOKE DETECTOR

HEAT DETECTOR

STROBE LIGHT

PULL STATION

TAGS

DETAIL TAG

HORN/STROBE LIGHT

MAGNETIC DOOR HOLDER

e.g., 1 IS THE DETAIL NUMBER

MECHANICAL EQUIPMENT TAG

SHEET NOTE TAG, NOTE 1

E1 IS THE SHEET NUMBER

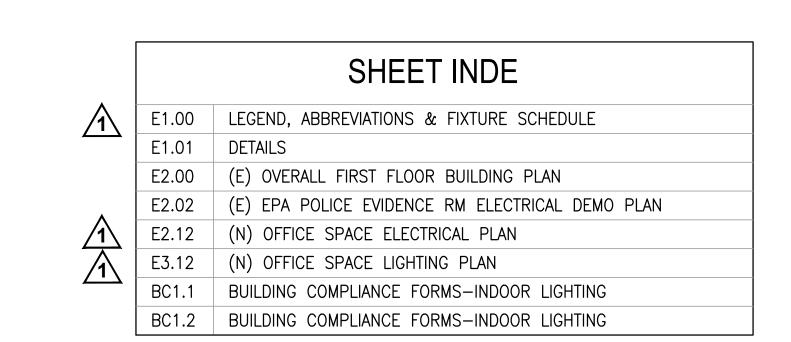
LIGHT FIXTURE TAG, FIXTURE TYPE F1 REFER TO LIGHT FIXTURE SCHEDULE

e.g., HP IS THE EQUIPMENT DESIGNATION

TAG 1 IS THE EQUIPMENT NUMBER

SPRINKLER VALVE TAMPER SWITCH

	LIGHT FI T RE SCHED LE									
S M OL	T PE	DESCRIPTION	MAN FACT RER'S CATALOG NO	MO NTING	OLT	LAMPS	REMAR S			
⊗≅\$	F	EDGE—LIT LED EXIT SIGN, GREEN LETTERS ON WHITE CEILING OR BACK MOUNT	LITHONIA LIGHTING # LRP-W-1-GC-120/277	SURFACE	277	2W LED				
	F	2' X 2' LED RECESSED FLAT PANEL 0-10V DIMMING	DAY-BRITE FLUXPANEL # 2-FPZ-38L-840-2-DS-UNV-DIM	RECESSED	277	34W LED 40K 80CRI	OFFICES			
۵	F	4" DIA LED SHOWER LIGHT, WET LOCATION LISTED, MEDIUM BEAM 0-10V DIMMING	LIGHTOLIER CALCULITE # C4-R-N-C4L-10-9-40-M-Z10-U-C4L-R-SL-W-CC	RECESSED	277	11W LED 40K 90CRI	RESTROOMS SHOWER LIGHT			
¤	F	4" SQ APERTURE LED DOWNLIGHT 0-10V DIMMING	LIGHTOLIER CALCULITE # C4-S-N-C4L-10-9-40-W-Z10-U-C4L-S-DL-NM-CD	RECESSED	277	11W LED 40K 90CRI	CORRIDOR KITCHEN			
ю	F	LED DECORATIVE WALL MIRROR LIGHT, 24" LONG, HORIZONTAL MOUNTED, BRUSHED NICKEL FINISH	BROWNLEE LIGHTING 'FLOW-RD' # 5160-24-BN-H16-EC1-40K	WALL	277	16W LED 40K	RESTROOMS			
₩	F	TWO-HEAD EMERGENCY LIGHT W/INTEGRAL BATTERY FOR 90 MIN EMERGENCY OPERATION, SELF DIAGNOSTICS	LITHONIA LIGHTING # ELM2L SD	WALL	277	2-2.4W LED				
_	F10	120V LED STRIP LIGHT / TAPE, UNDER CABINET, DRIVERLESS, SINGLE COLOR, LENGTH TO SUITE, DIMMABLE	LUMILUM LIGHTING # LUM-120505-4000K	SURFACE	120	4W/FT LED 27K 90CRI	KITCHEN, NICHE UNDER CABINET			
	F11	LED LINKABLE CABINET LIGHT, 24"LONG, DIRECT-WIRED, WITH UCD JB JUNCTION/SPLICE BOX, INTEGRAL SWITCH, WHITE FINISH, LINK TO SUITE THE LENGTH	LITHONIA LIGHTING # UCLD 24IN 30K 90CRI SWR WH	SURFACE	120	13W LED 30K 90CRI	PRIVATE OFFICES			





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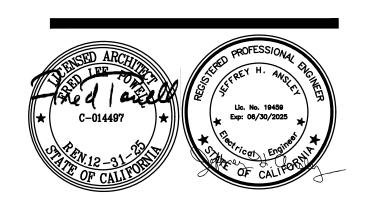
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

11/09/23 BLDG DEPARTMENT REVISIONS

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

LEGEND, **ABBREVIATIONS &** FIXTURE SCHEDULE

J□B N□. 4586

SCALE AS NOTED

DATE 03/21/2023

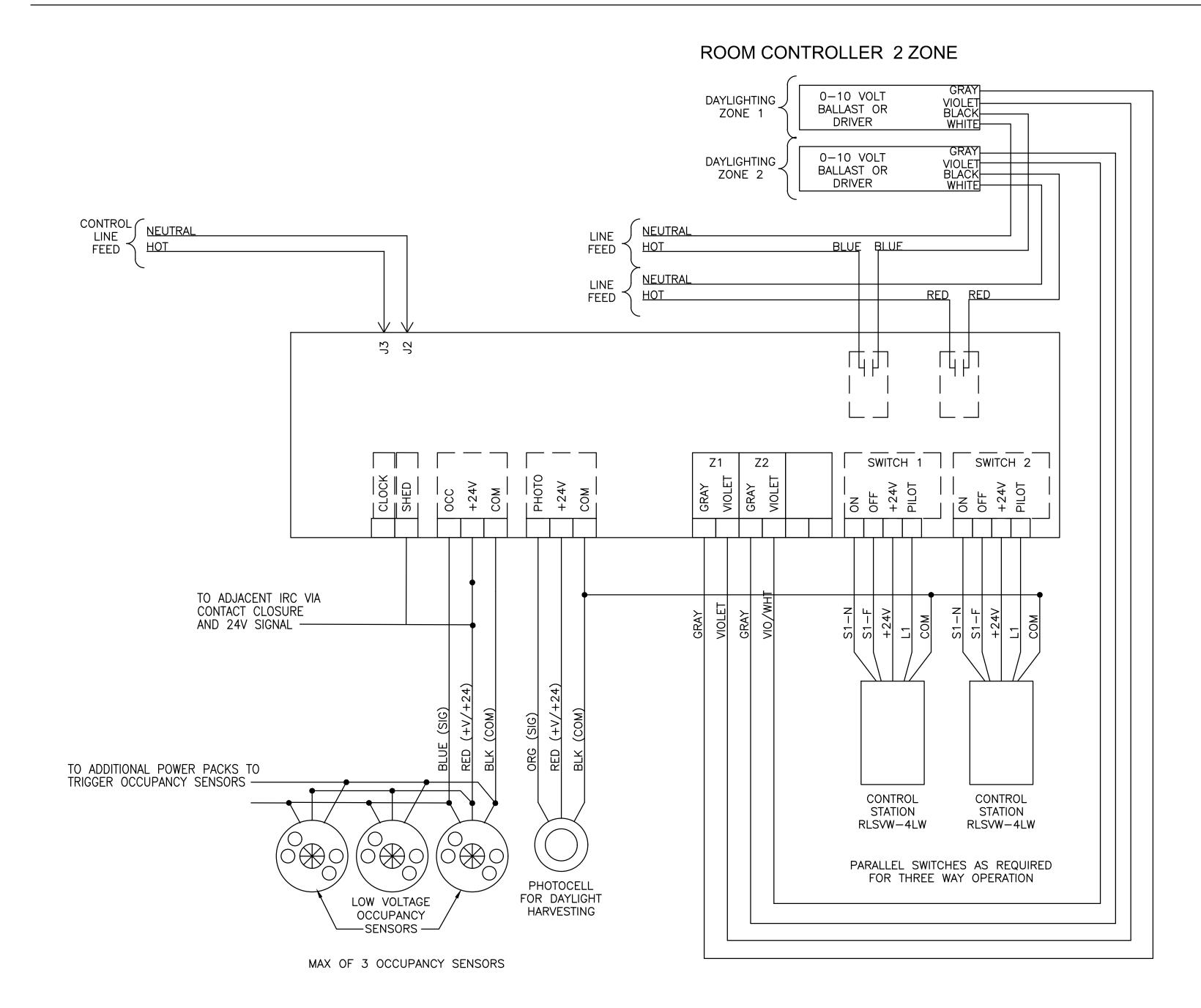
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E1.00

SHEET NO.

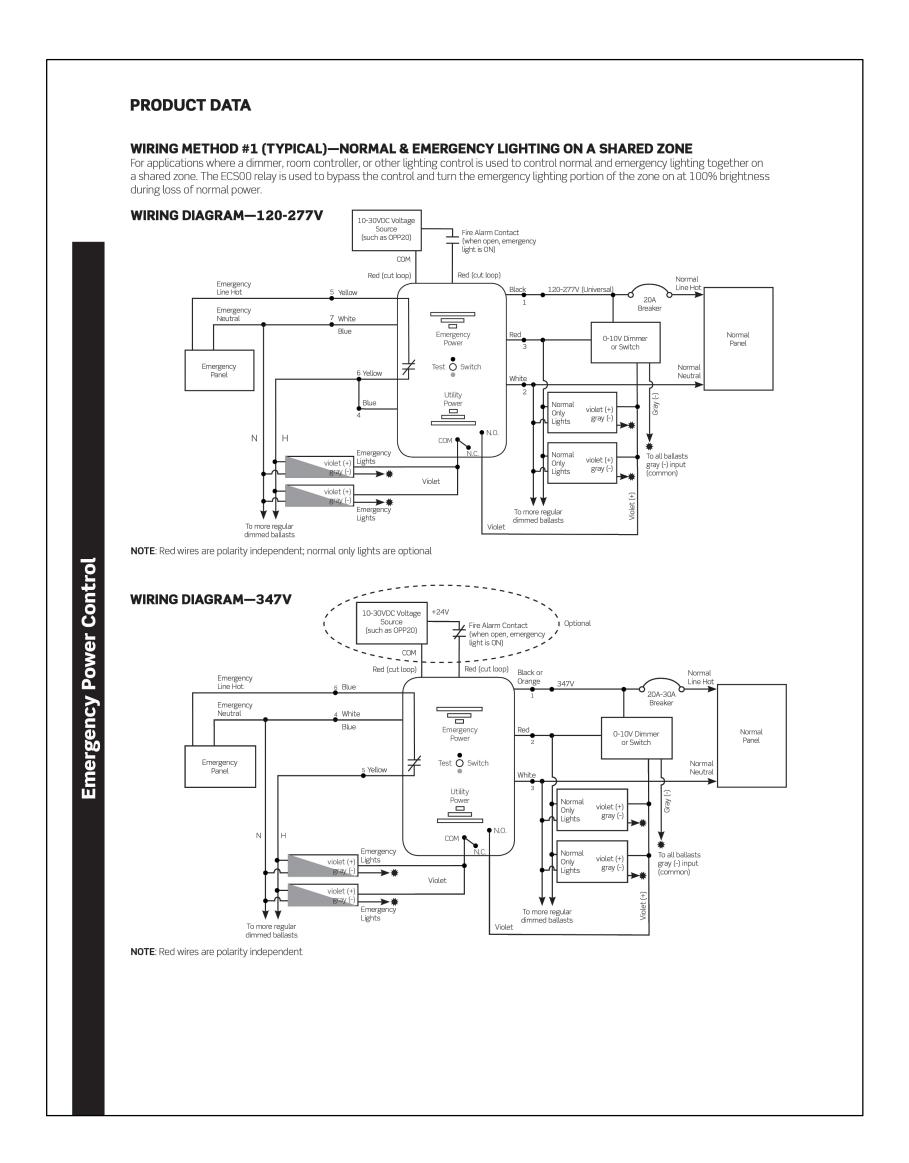
FILE NAME: 2018.06/145CADD/A_ARCH/SHTS

ROOM CONTROLLER: SINGLE ROOM, 2 ZONE, TIME CLOCK PARTIAL OVER RIDE



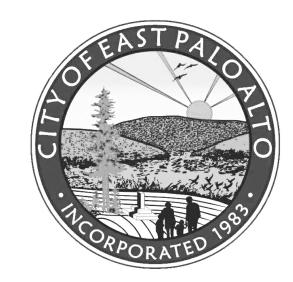
PROD CTS LE ITON

IRING DIAGRAM ITH INTEGRATED ROOM CONTROLLER



IRING DIAGRAM FOR NORMAL EMERGENC PO ER

SCALE: NONE



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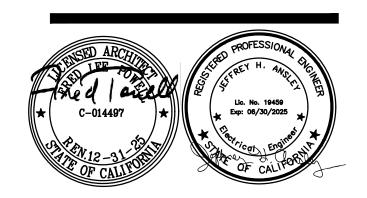
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

DETAILS

SCALE AS NOTED

J□B N□. 4586 DATE 03/21/2023

DRAWN
BY: NC
CHECKED
MP

E1.01

SHEET NO.

FILE NAME: 2018.06/145CADD/A_ARCH/SHTS

GENERAL NOTES:

REMOVE ALL FLUORESCENT TROFFERS AND INCANDESCENT DOWNLIGHTS. REFER TO ARCHITECTURAL (E) DEMO OVERALL RCP SHEET A3.00



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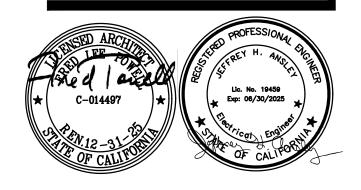
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(E) OVERALL FIRST FLOOR

BUILDING PLAN
SCALE AS NOTED

J_B N_. 4586

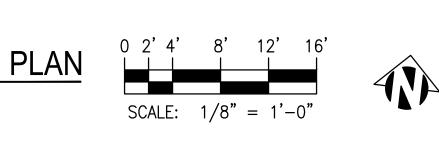
DATE 03/21/2023

DRAWN BY: NC CHECKED BY: MP

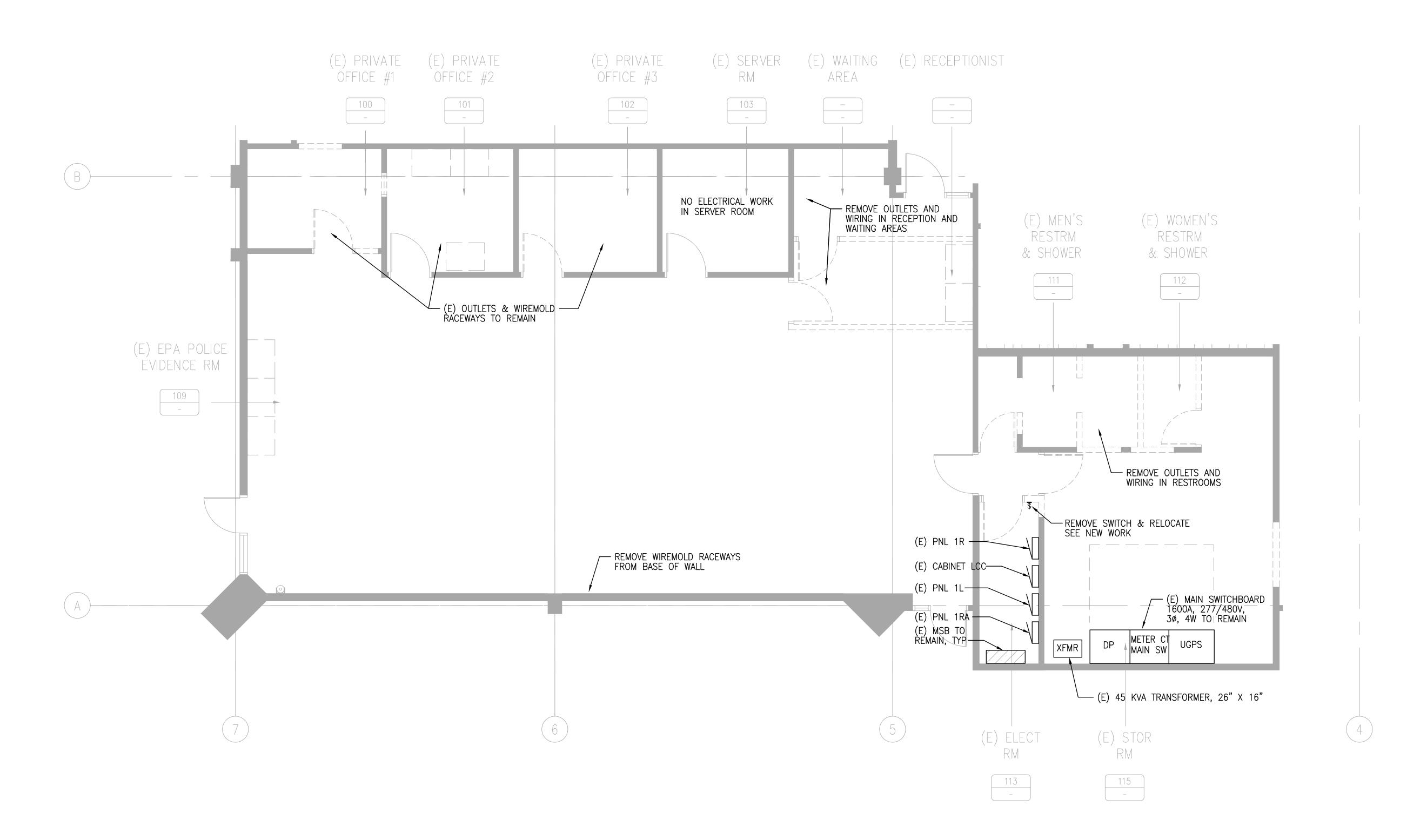
E2.00

SHEET NO.

FILE NAME: 2018.06/145CADD/A_ARCH/SHTS

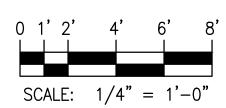


(E) TOILET (E) LOBBY (E) AV RM (E) COUNCIL CHAMBERS (E) STAIR #2 (E) STAIR #3— (E) ELEVATOR ← (E) STAIR #1 (E) LIBRARY (E) ELEVATOR MACHINE RM (E) MEN'S RESTRM (E) WOMEN'S (E) EPA POLICE ÉVIDENCE RM RESTRM (E) ELECT (E) TOILET E2.02 RESTRM

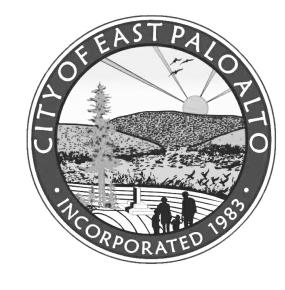


(E) EPA POLICE E IDENCE RM ELECTRICAL DEMO PLAN

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







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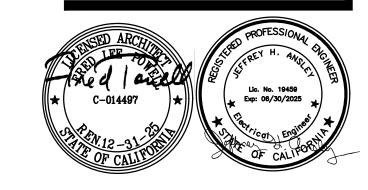
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(E) EPA POLICE EVIDENCE RM ELECTRICAL DEMO PLAN SCALE AS NOTED

J□B N□. 4586

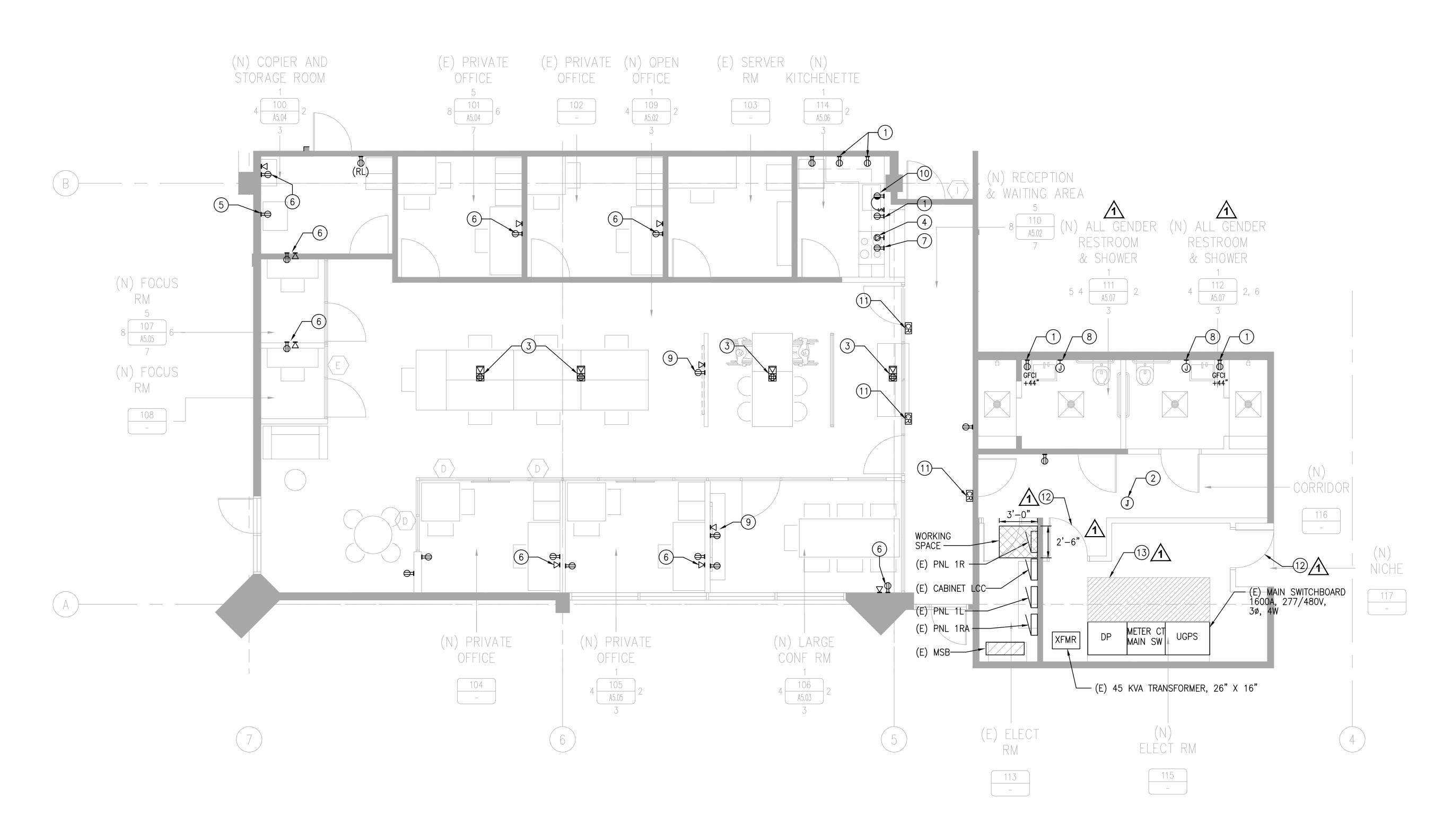
DATE 03/21/2023

DRAWN BY: NC CHECKED BY: MP

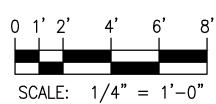
E2.02

SHEET NO.

FILE NAME: 2018.06/145CADD/A_ARCH/SHTS



(N) OFFICE SPACE ELECTRICAL PLAN





SHEET NOTES:

- GFCI/ARC PROTECTED DUPLEX RECEPTACLE, SERVING COUNTER SURFACE/LAVATORY, MOUNT AT +44"AFF,
- JUNCTION BOX FOR CONNECTION OF 24V FLUSH MOUNTED TRANSFORMER/ELECTRONIC VALVE CONTROL ABOVE THE CEILING, IN CEILING CAVITY. PROVIDE 1P-20A DISCONNECT.
- 3 COMBINATION RECEPTACLE AND DATA FLOOR BOX
- 4) 50A/2P RECEPTACLE FOR ELECTRIC RANGE
- 5 DEDICATED CIRCUIT FOR COPIER RECEPTACLE
- 6 DUPLEX RECEPTACLE AND DATA OUTLET
- 7 RECEPTACLE ABOVE RANGE FOR MICROWAVE/EXHAUST FAN
- 8) JUNCTION BOX FOR ELECTRIC HAND DRYER
- 9) OUTLET WITH POWER AND DATA FOR WALL HUNG MONITOR
- COLIT WIDED DUDIES DECEDTAGE DELOW CINIC FOR
- SPLIT-WIRED DUPLEX RECEPTACLE BELOW SINK FOR DISHWASHER AND GARBAGE DISPOSAL
- COORDINATE EXACT LOCATION WITH ARCHITECT AND WIRING REQUIREMENT WITH ACCESS CONTROL VENDOR.
- 12 DOOR SHALL BE EQUIPPED WITH PANIC HARDWARE. COORDINATE WITH ARCHITECT.
- 13 MAINTAIN 3'-6" IN FRONT OF SWITCHBOARD.



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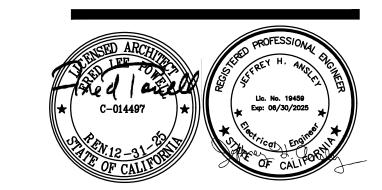
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

11/09/23 BLDG DEPARTMENT REVISIONS

04/28/23 100% BLDG PERMIT SET

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) OFFICE SPACE ELECTRICAL PLAN

SCALE AS NOTED

J□B N□. 4586 DATE 03/21/2023

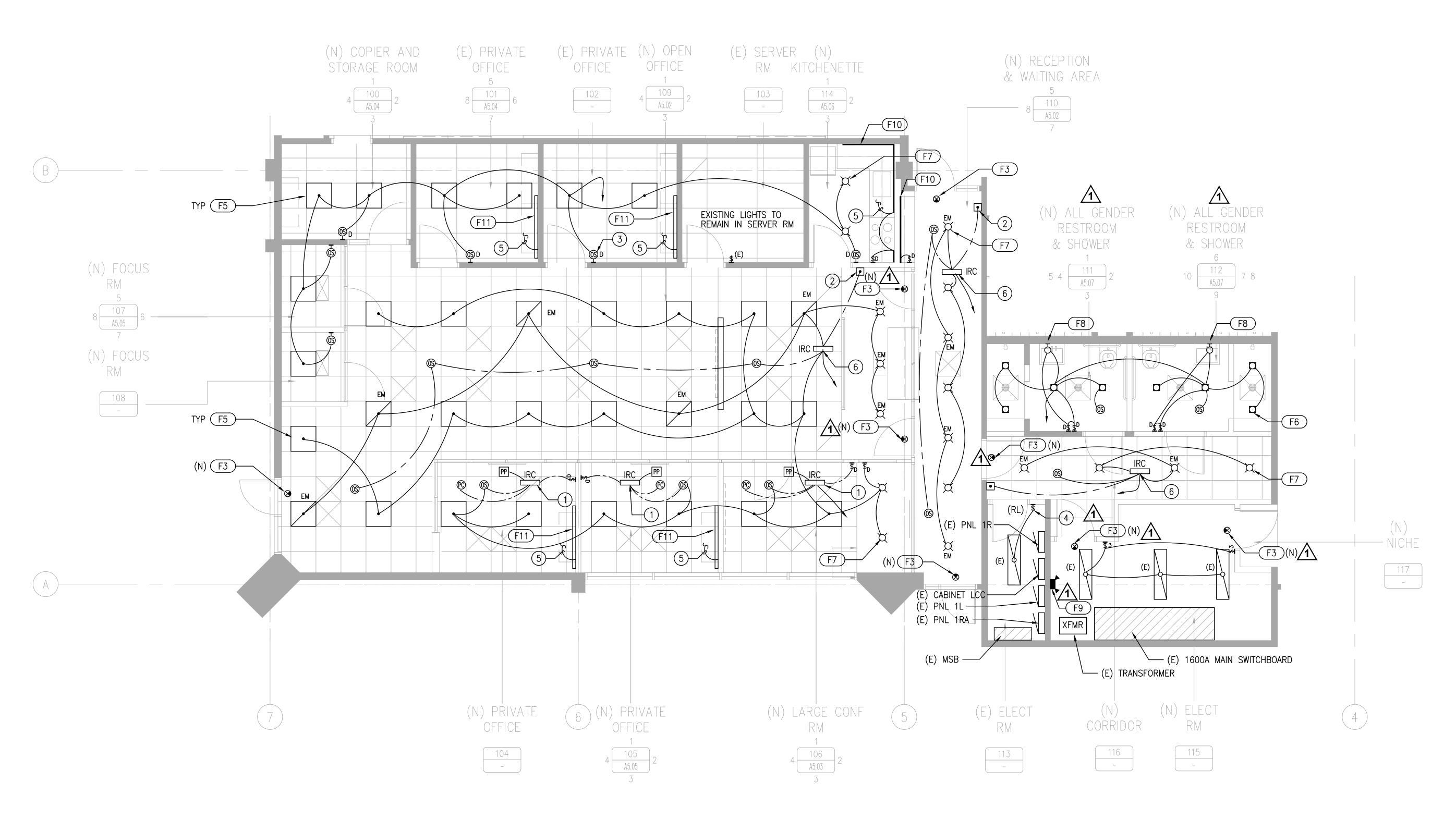
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BY: NC
CHECKED

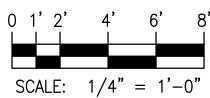
E2.12

SHEET NO.

FILE NAME: 2018.06/145cadd/a_arch/shts



(N) OFFICE SPACE LIGHTING PLAN





SHEET NOTES:

- PROVIDE CONTROL SYSTEM PER TITLE 24
 WITH LEVITON ROOM CONTROLLER 'IRC' FOR DIMMING WITH
 5-WIRE CONNECTION TO ENTRY CONTROL PUSHBUTTON STATION,
 3-WIRE CONNECTION TO CEILING OCCUPANCY SENSOR AND
 INTERCONNECTION BETWEEN SENSORS
 SEE SHEET E1.01/DET 1 FOR WIRING DIAGRAM
- 2) WALL MOUNTED ENTRY CONTROL PUSHBUTTON STATION.
- 3) WALL SWITCH, OCCUPANCY SENSOR AND 0-10V DIMMER, TYP
- 4 RELOCATED SWITCH, RECONNECT TO (E) LIGHT
- 5 CONNECT TO RECEPTACLE CIRCUIT
- PROVIDE CONTROL SYSTEM PER TITLE 24 WITH LEVITON
 ROOM CONTROLLER 'IRC' FOR DIMMING AND CONTROL OF
 REGULAR LIGHTS AND EMERGENCY LIGHTS PER NFTA REQUIREMEMTS
 SEE SHEET E1.01/DET 2 FOR WIRING DIAGRAM



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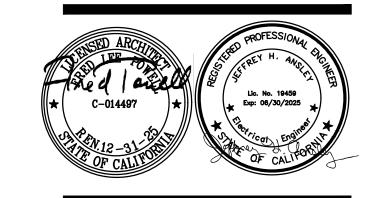
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

11/09/23 BLDG DEPARTMENT REVISIONS

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE ROOM REMODEL

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

(N) OFFICE SPACE LIGHTING PLAN

SCALE AS NOTED

J□B N□. 4586 DATE 03/21/2023

DRAWN
BY: NC
CHECKED
BY: MP

E3.12

SHEET NO.

FILE NAME: 2018.06/145CADD/A_ARCH/SHTS

	OF CALIFORNIA				
Inde	oor Lighting				CALIFORNIA ENERGY COMMISSIO
CERT	IFICATE OF COMPLIANCE				NRCC-LTI-
nonre	esidential and hotel/motel occupancies.	ance with requirements in 110.9, 110.12(c), 130.0, It is also used to document compliance with require includes dormitory and senior living facilities.		, , , , , , ,	
Proje	ct Name:	EPA POLICE EVIDENCE ROOM Rep	ort P	age:	(Page 1 of 10
Proje	ct Address:	2415 UNIVERSITY AVENUE, EAST PALO ALTO, CA 94303 Dat	Pre	pared:	2023-03-22T16:25:40-04:0
A. G	ENERAL INFORMATION				
01 P	Project Location (city)	EAST PALO ALTO	04	Total Conditioned Floor Area (ft²)	3,488
02 C	Climate Zone	4	05	Total Unconditioned Floor Area (ft²)	0
03 0	Occupancy Types Within Project (select a	ll that apply):	06	# of Stories (Habitable Above Grade)	2

A.	A. GENERAL INFORMATION							
01	Project Location (city) EAST PALO ALTO 04 Total Conditioned Floor Area (ft²) 3,488							
02	Climate Zone	4	05	Total Unconditioned Floor Area (ft²)	0			
03	Occupancy Types Within Project (select a	ll that apply):	06	# of Stories (Habitable Above Grade)	2			
• (• Office							

• Office				
B. PROJECT SCOPE				
This table includes any lighting systems that are within the scope of the per $141.0(b)2 / 180.2(b)4$ for alterations.	rmit application and are demonstrating co	ompliance using the p	rescriptive path outlined in 140.	6 / 170.2(e) or
Scope of Work	Conditioned Spac	es	Unconditioned Spa	aces
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft ²)	Calculation Method	Area (ft²)
□ New Lighting System	Area Category Method	3488	Area Category Method	0

N/A

☐ New Lighting System - Parking Garage

Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Total Area of Work (ft²)

			l
Registration Number:	Generated Date/Time:	Documentation Software: Energy Code Ace	
registration number.	Generated Date/Time.	Documentation Software. Energy code Ace	
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000	Compliance ID: 95980-0323-0003	
	Schema Version: rev 20220101	Report Generated: 2023-03-22 13:25:43	1
STATE OF CALIFORNIA			
Indoor Lighting		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE		NRCC-LTI-E	

EPA POLICE EVIDENCE ROOM Report Page:

his table includes lighting cont	rols for conditioned and uncondit	ioned spaces.								
Building Level Controls										
	01			C)2)3	
Mandatory	Demand Response 110.12(c)			Shut-off controls 1	30.1(c) / 160.	5(b)4C			spector	
<u> </u>								Pass	Fail	
<u> </u>	00W subject to multilevel			See Area/Spac	e Level Contro	ols				
Area Level Controls	05	06	07	0.0	I 00	10	11	12		
04	05	06	07	08	09	10	11	1	.2	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) /	Secondary	, 140.6(a)1/	Field In	Field Inspector	
					160.5(b)4D			Pass	Fail	
OPEN OFFICE	Office (>250 square feet)	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No			
LARGE CONFERENCE ROOM	Conference, Multipurpose and Meeting Area	Readily Accessible	Dimmer	Occupancy Sensor	Included	NA: Not daylit zone	No			
RESTROOM	Restroom	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No			
CORRIDOR	Corridor	Auth. Personnel	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No			
New Private office	Office (<=250 square feet)	Readily Accessible	Dimmer	Occupancy Sensor	Included	NA: Not daylit zone	No			
Existing Private Rooms	Office (<=250 square feet)	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No			
Kitchen	Kitchen/ Food Preparation	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No			
Focus Room	Office (<=250 square feet)	Readily Accessible	NA: Enclosed area <100SF	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No			

Generated Date/Time:

Report Version: 2022.0.000

Schema Version: rev 20220101

Indoor Lighting	3										CAL	LIFOR	RNIA ENERGY COMMISSION
CERTIFICATE OF COMP	LIANCE												NRCC-LTI-E
Project Name:				EPA POLICE EV	IDENCE F	OOM Report	: Pag	ge:					(Page 2 of 10)
						Date P	repa	ared:					2023-03-22T16:25:40-04:00
C. COMPLIANCE R	ESULTS												
If any cell on this tab	le says "DOES I	NOT COMPLY"	or "COMPLIES	with Exception	al Cond	ions" refer t	to T	able D. for gui	dance.				
	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)							Adjusted Ligh	nting Power per (Watts)	140.	.6(a) / 170.2(e)		Compliance Results
Lighting in	01	02	03	04		05		06	07		08		09

STATE OF CALIFORNIA

D. EXCEPTIONAL CONDITIONS

Indoor Lighting

(Page 4 of 10)

2023-03-22T16:25:40-04:00

Documentation Software: Energy Code Ace

Compliance ID: 95980-0323-0003 Report Generated: 2023-03-22 13:25:43 CERTIFICATE OF COMPLIANCE

lf any cell on this tabl	e says "DOES I	NOT COMPLY"	or "COMPLIES	with Exception	al Co	onditions" refe	r to '	Table D. for gui	dance.						
	Allo	wed Lighting P	ower per 140.	6(b) / 170.2(e)	(Wa	atts)		Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)					Compliance Results		
Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	01	02	03	04		05		06	07		08	Ī	09		
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	Allowed (Watts)		Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	=	Total Adjusted (Watts) *Includes Adjustments		05 must be >= 08 140.6 / 170.2(e)			
Conditioned	(See Table I)	1,387.75	26	(See lable K)	=	1,413.75	_	1,540	(See Table P) 138.19	=	1401.8	ŀ	COMPLIES		
Unconditioned		1,307.73	20		=	1,415.75		1,540	130.13	=	1401.0	H	COIVII EIES		
								Contro	ls Compliance (S	See	Table H for Detai	ls)	COMPLIES		
				Rated Power Reduction Compliance (See Table Q for Details)											

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.

Registration Number:	Generated Date/Time:	Documentation Software: Energy Code Ad
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: 95980-0323-000 Report Generated: 2023-03-22 13:25:4
STATE OF CALIFORNIA		

EPA POLICE EVIDENCE ROOM Report Page:

CALIFORNIA ENERGY COMMISSION

2023-03-22T16:25:40-04:00

NRCC-LTI-E

(Page 5 of 10)

Copier and Storage	Office (<=250 square feet)	Readily Accessible	NA: Enclosed area <100SF	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	
	•	L	•				13	•
						Plan Sheet	t Showing Da	ıylit Zones:
							E3.12	

Conditioned Spaces						
01	02	03	04	05	06	5
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft ²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowar	nce / Adjustn PAF
OPEN OFFICE	Office (>250 square feet)	0.6	917	550.2	No	Yes
LARGE CONFERENCE ROOM	Conference, Multipurpose and Meeting Area	0.75	143	107.25	No	Yes
RESTROOM	Restroom	0.65	175	113.75	No	No
CORRIDOR	Corridor	0.4	314	125.6	No	No
New Private office	Office (<=250 square feet)	0.65	220	143	Yes	Yes
Kitchen	Kitchen/ Food Preparation	0.95	96	91.2	No	No
Focus Room	Office (<=250 square feet)	0.65	76	49.4	No	No
Copier and Storage	Office (<=250 square feet)	0.65	87	56.55	No	No
Existing Private Rooms	Office (<=250 square feet)	0.65	232	150.8	No	No
	•	TOTALS:	2,260	1,387.75	See Tables J, c	r P for detail

Registration Number:	Generated Date/Time:	Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: 95980-0323-0003 Report Generated: 2023-03-22 13:25:43

N	STATE OF CALIFORNIA Indoor Lighting			CALIFORNIA ENERGY COMMISSION
■	CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
<u> </u>	Project Name:	EPA POLICE EVIDENCE ROOM	Report Page:	(Page 3 of 10)
7			Date Prepared:	2023-03-22T16:25:40-04:00

F. INDOOR LIG	GHTING FIXTURE SCHEDUL	E									
l	des all planned permanent an Table T. If using Table T to doo re.		_	_							
Designed Wattage: Conditioned Spaces											
01	02	03	04	05	06	07	08	09	1	.0	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change ¹	Watts per Iuminaire ²	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field In Pass	spector Fail	
F5	LED 2'X2' FLAT PANEL	No	NA	34	Mfr. Spec	31	No	1,054			
F6	LED 4" DIA DOWNLIGHT	No	NA	11	Mfr. Spec	8	No	88			
F7	LED 4" SQ APERTURE	No	NA	11	Mfr. Spec	18	No	198			
F8	LED MIRROR LIGHT	No	NA	16	Mfr. Spec	2	No	32			
F10	LED TAPE UNDER CABINET	No	NA	4	Mfr. Spec	16	No	64			

Total Designed Watts: CONDITIONED SPACES 1,540 ¹FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

²Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS	
This section does not apply to this project.	

Registration Number:	Generated Date/Time:	Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: 95980-0323-0003 Report Generated: 2023-03-22 13:25:43

Indoor Lighting			CALIFORNIA ENERGY COMMISSIO
CERTIFICATE OF COMPLIANCE			NRCC-LTI
Project Name:	EPA POLICE EVIDENCE ROOM	Report Page:	(Page 6 of 1
		Date Prepared:	2023-03-22T16:25:40-04:

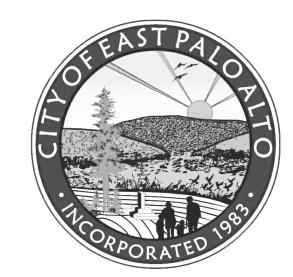
/170.2-M									
Conditioned Spaces					•				
01	02	03	04	05	06	07	08	09	
Area Description	iption Primary Function Area Lighting System Density (W/ft² Length or Allowa		Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	Number of Luminaire s	To De W		
New Private office	Office (250 square feet)	PortableOfficeLigh ting	0.2	220	44	F11	13	2	:
Total Design Watts	Calculated Allowance (Watts):	Total Additional Allowance for this area:							
26	44	26	1						

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE:	TAILORED WALL DISPLAY	
This section does not apply to this project.		

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING
This section does not apply to this project.

Registration Number:	Generated Date/Time:	Documentation Software: Energy Code Ace
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1960 Tate Street East Palo Alto, CA 94303

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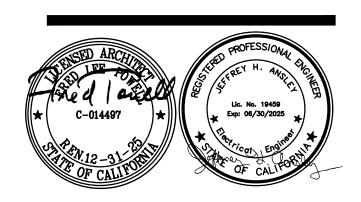
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

BUILDING COMPLIANCE FORMS-INDOOR LIGHTING

SCALE AS NOTED

J□B N□. 4586 SHEET NO. DATE 03/21/2023 DRAWN BY: CHECKED BY: MP

BC1.1

FILE NAME: 2018.06/145CADD/A_ARCH/SHTS

STATE OF CALIFORNIA										
Indoor Lighting CERTIFICATE OF COMPLIANCE										
Project Name:					EPA PO	LICE EVI	DENCE RO	OM Rep	ort Page	;
								Dat	e Prepare	ed:
N. ADDITIONAL LIGHTING ALLO	OWAN	ICE: TA	ILORED	DECO	RATIVE	/SPECI/	AL EFFE	CTS		
This section does not apply to this	projec	t.								
O. ADDITIONAL LIGHTING ALLO	NAWC	ICE: TA	ILORED	VERY '	/ALUAE	BLE MEI	RCHANI	DISE		
This section does not apply to this	projec	t.								
P. POWER ADJUSTMENT: LIGHT	TING (CONTR	OL CRE	DIT (PC	WER A	DJUSTI	MENT F	ACTOR	(PAF))	
This table includes all areas indicat	ted in T	Table I d	or Table	K as usii	ng a PAF	credit a	lescribea	in 140.	6(a)2 / 1	70.2(e)2B.
Conditioned Spaces										
01					02					03
		(*C		per 140 sed in co)2B ¹ other PA	F'S)		
Area Description	1	2A	2B	3A*	3B*	4*	5*	6*	7*	Luminaire
				Pick up to onePick up lock up to one to one			to one ² to one ²	c	Name or Ite Tag	
OPEN OFFICE										F5
LARGE CONFERENCE ROOM	\boxtimes									F5
LARGE CONFERENCE ROOM	\boxtimes									F7
New Private office	\boxtimes									F5
			08							
	All spa	aces ap		AF 5, 6 c ements i			ylight de Table S.	sign me	eting	Total
L 1 FOOTNOTES: PAFs outlined in Tab	ole 140	.6-A /1				,		nmina n	lus OFF	2A) Occupar
sensors in offices with one sensor p Horizontal slats; 7) Light shelves.										
² Luminaires that qualify for PAF 5,	, 6, or i	7 can b	e used ii	n conjun	ction wi	th PAF 1				
	, -,						-			·
Registration Number:							Gen	erated D	ate/Time	:
CA Building Energy Efficiency Standar	rds - 20°	22 Nonr	esidentia	al Compli	nce		Ren	ort Versi	on: 2022.	0.000
CA building Energy Emercincy Standar	u3 20	22 110111	CSIGCITU	ii compile	incc				sion: rev 2	
STATE OF CALIFORNIA Indoor Lighting										
CERTIFICATE OF COMPLIANCE										
Project Name:					EPA PO	LICE EVII	DENCE RO)OM lRer	ort Page	:

of Title 24, Part 1 and Part 6 of the California Code of Regulations.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Jeffrey Ansley

Natron Resources, Inc

Registration Number:

Address:1480 MORAGA ROAD, SUIT C #299 City/State/Zip:MORAGA, CA 94556

plans and specifications submitted to the enforcement agency for approval with this building permit application

Indoor Lighting CERTIFICATE OF COMPLIANCE EPA POLICE EVIDENCE ROOM Report Page: Project Name: Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS This section does not apply to this project. S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF) This section does not apply to this project. T. DWELLING UNIT LIGHTING This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Form/Title NRCI-LTI-E - Must be submitted for all buildings

Generated Date/Time:

Report Version: 2022.0.000

Schema Version: rev 20220101

Form/Title	Systems/Spaces To Be Fie Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	OPEN OFFICE; LARGE CONFERENCE ROOM; RESTROOM; CORRIDOR; N Private office; Existing Priv Rooms; Kitchen; Focus Roo Copier and Storage
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	LARGE CONFERENCE ROOF New Private office

EPA POLICE EVIDENCE ROOM Report Page:

Date Prepared:

Indoor Lighting

Project Name:

CERTIFICATE OF COMPLIANCE

CALIFORNIA ENERGY COMMISSION

Documentation Software: Energy Code Ace

Report Generated: 2023-03-22 13:25:43

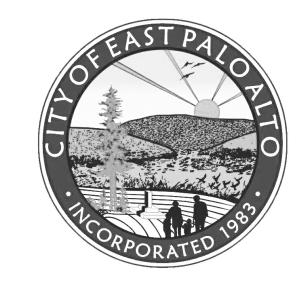
Compliance ID: 95980-0323-0003

2023-03-22T16:25:40-04:00

NRCC-LTI-E

(Page 8 of 10)

Generated Date/Time: Documentation Software: Energy Code Ace Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 95980-0323-0003 Schema Version: rev 20220101 Report Generated: 2023-03-22 13:25:43



CALIFORNIA ENERGY COMMISSION

2023-03-22T16:25:40-04:00

NRCC-LTI-E

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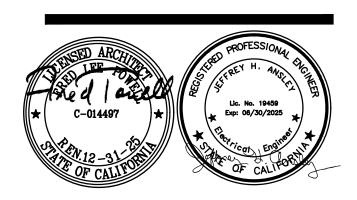
CONSULTANTS:

STRUCTURAL ENGINEER: Structus, Inc.

MECHANICAL/PLUMBING ENGINEER: H&M Mechanical Group

ELECTRICAL ENGINEER: Natron Resources, Inc.





CONSULTANT:

04/28/23 100% BLDG PERMIT SET REVISIONS:

PROJECT

POLICE EVIDENCE **ROOM REMODEL**

2415 UNIVERSITY AVENUE EAST PALO ALTO, CA 94303

SHEET TITLE

BUILDING COMPLIANCE FORMS-INDOOR LIGHTING

SCALE AS NOTED

J□B N□. 4586 DATE 03/21/2023

DRAWN BY: CHECKED

BC1.2

SHEET NO.

FILE NAME: 2018.06/145CADD/A_ARCH/SHTS

2.2 11 34 4 136 F5 AF 5, 6 or 7 include a daylight design meeting Total Power Adjustment (Watts) CONDITIONED SPACES: 138.19 ements in 140.3(d). See Table S. nclude 1) Daylight continuous dimming plus OFF; 2A) Occupant sensors in offices with one sensor per \ll 125 ft²; 2B) Occupant Institutional tuning, non-daylit areas and 3B) Institutional tuning, daylit areas; 4) Demand response; 5) Clerestory fenestration; 6) n conjunction with PAF 1. Generated Date/Time: Documentation Software: Energy Code Ace Registration Number: al Compliance Report Version: 2022.0.000 Compliance ID: 95980-0323-0003 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Schema Version: rev 20220101 Report Generated: 2023-03-22 13:25:43 CALIFORNIA ENERGY COMMISSION NRCC-LTI-E EPA POLICE EVIDENCE ROOM Report Page: (Page 10 of 10) ERSITY AVENUE, EAST PALO ALTO, CA 94303 Date Prepared: 2023-03-22T16:25:40-04:00 EMENT I certify that this Certificate of Compliance documentation is accurate and complete. cumentation Author Signature: Jefforez & Onolez Documentation Author Name: Jeffrey Ansley nature Date: 03/22/23 Natron Resources, Inc CEA/ HERS Certification Identification (if applicable): Address: 1480 MORAGA ROAD, SUIT C #299 City/State/Zip:MORAGA, CA 94556 hone:(510)868-0701 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)

Jonsible Designer Signature: Joffrey J. Analey

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

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.

Generated Date/Time:

Report Version: 2022.0.000

Schema Version: rev 20220101

ate Signed: 03/22/23

Phone: (510)868-0701

CALIFORNIA ENERGY COMMISSION

03 04 05 06 07

Number of

Luminaires

Luminaires Controlled for PAF Credit

Luminaire

Design Watts

2023-03-22T16:25:40-04:00

NRCC-LTI-E

(Page 7 of 10)

Additional

Allowance

(Watts)

115.6

6.8

Controlled

(Watts)

578

Documentation Software: Energy Code Ace

Compliance ID: 95980-0323-0003 Report Generated: 2023-03-22 13:25:43

Control Credit