TENANT IMPROVENMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT SERVICES 2420 6TH STREET, EUREKA, CA



VICINITY MAP Bay Nat'l PROJECT SITE **2420 6TH STREET** EUREKA, CA

PROJECT DESCRIPTION

SCOPE INCLUDES

BEARING WALLS, RETROFITTING AND RELOCATING OF ELECTRICAL LIGHTING AND POWER TO ACCOMODATE NEW SPACE PLANNING. AND ASSOCIATED ADA ACCESSIBILTY

BID ALTERNATE ONE: THE INTERIOR FOR THE OFFICES OF THE HUMBODLT COUNT ECONOMIC DEVELOPMENT AND CHILD SERVICES DEPARTMENTS DESIGNATED ON DETAIL 1

ELECTRICAL LIGHTING AND POWER TO ACCOMODATE NEW SPACE PLANNING. AND ASSOCIATED ADA ACCESSIBILTY IMPROVEMENTS

PROJECT

PROJECT MANAGEMENT

ALAMEIDA

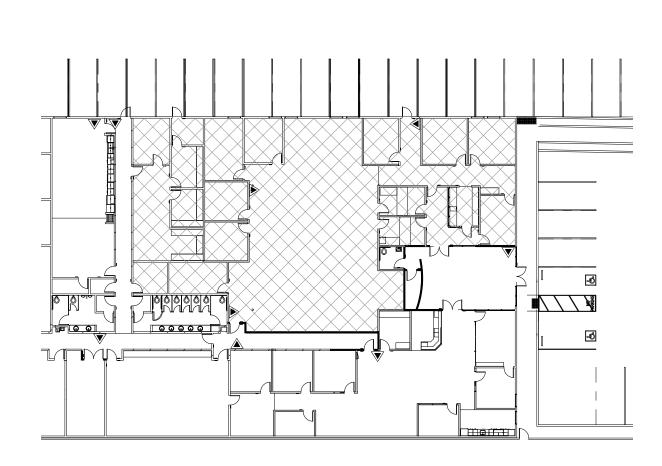
ARCHITECTURE

SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM

CONSTRUCTION MANAGEMENT

TENANT IMPROVENMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT **SERVICES**

> **2420 6TH STREET** EUREKA, CA



BID ALTERNATE ONE

INDICATED

BASE BID - ALL WORK NOT

BASE BID / ALERNATE ONE A-0 N.T.S.

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES

2019 California Administrative Code (CAC). Part 1. Title 24 CCR* 2019 California Building Code (CBC), Part 2. Title 24 CCR (2018 International Building Code, Vol. 1 & 2. and 2019 California

2019 California Electrical Code (CEC). Part 3. Title 24 CCR

(2017 National Electrical Code and 2019 California Amendments) 2019 California Mechanical Code (CMC), Part 4. Title 24 CCR

(2018 IAPMO Uniform Mechanical Code and 2019 California amendments)

2019 California Plumbing Code (CPC), Part 5, Title 24 CCR

(2018 IAPMO Uniform Plumbing Code and 2019 California amendments) 2019 California Energy Code (CEC). Part 6, Title 24 CCR

2019 California Fire Code (CFC), Part 9. Title 24 CCR

PARTIAL LIST OF APPLICABLE STANDARDS

(2018 International Fire Code and 2019 California Amendments) 2019 California Existing Building Code (CEBC). Part 10. Title 24 CCR

(2018 International Existing Building Code and 2019 California Amendments)

2019 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR

2019 California Referenced Standards Code, Part 12. Title 24 CCR Title 19 CCR, Public Safety, State Fire Marshal Regulations

2016 ASME A17.1/CSA B44-13 Safety Code for Elevators and Escalators

2010	ADA Standards for Accessibility Design	
NFPA 13	Standard for the Installation of Sprinkler Systems (CA amended)	2016 Edition
NFPA 14	Standard for the Installation of Standpipe and Hose Systems	2016 Edition
NFPA 17	Standard for Dry Chemical Extinguishing Systems	2016 Edition
NFPA 17A	Standard for Wet Chemical Extinguishing Systems	2016 Edition
NFPA 20	Standard for the Installation of Stationary Pumps for Fire Protection	2016 Edition
	• •	

Standard for Water Tanks for Private Fire Protection 2016 Edition Standard for the Installation of Private Fire Service Mains and 2019Edition Their Appurtenances NFPA 72 National Fire Alarm and Signaling Code (CA amended); 2019 Edition

NFPA 2001 Standard on Clean Agent Fire Extinguishing Systems
UL 300 Standard for Fire Testing of Fire Extinguishing Systems for

Protection of Commercial Cooking Equipment

Standard for Fire Doors and Other Opening Protectives

UL 464 Audible Signaling Devices for Fire Alarm and Signaling Systems. **Including Accessories** Standard for Heat Detectors for Fire Protective Signaling Systems

Standard for Signaling Devices for the Hearing Impaired 2002 Edition Standard for Bleachers. Folding and Telescopic Seating. ICC 300 2017 Edition For a complete list of applicable NFPA standards releto 2016 CBC (SFM) Chapter 35 and California

See California Building Code, Chapter 35, for State of California amendments to the NFPA Standards.

GENERAL NOTES

1. ALL WORK CONFORM TO APPLICABLE CODES, REGULATIONS, LAWS AND ORDINANCES AS REQUIRED AND BY THE CODES AND REGULATIONS LISTED IN THESE CONSTRUCTION DOCUMENTS AND MANUALS..

2. VERIFY ALL DIMENSIONS IN THE FIELD. NOTIFY THE ARCHITECT OF ANY DISCREPANCY AND OBTAIN CLARIFICATION BEFORE PROCEEDING WITH THE AFFECTED WORK. FOLLOW NUMERICAL DIMENSIONS: DO NOT SCALE, USE DATUM POINTS TO START DIMENSION STRING LAYOUT.

3. FLOOR PLAN DIMENSIONS SHOWN ARE TO FACE OF FINISH OR CENTERLINE OF COLUMNS, UNLESS OTHERWISE NOTED. SEE

4. BEFORE BEGINNING WORK AT THE SITE, WHERE POSSIBLE AND THROUGHOUT THE COURSE OF WORK, INSPECT AND VERIFY THE LOCATION AND CONDITION OF ITEMS AFFECTED BY THE WORK UNDER THIS CONTRACT AND REPORT DISCREPANCIES TO ARCHITECT BEFORE DOING THE WORK RELATED TO THAT BEING INSPECTED.

5. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. INCIDENTAL WORK MAY ALSO BE NECESSARY IN AREAS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING EXISTING MECHANICAL, ELECTRICAL PLUMBING OR OTHER SYSTEMS. SUCH INCIDENTAL WORK IS ALSO PART OF THIS CONTRACT.

6. DO NOT DRILL OR CUT EXISTING JOISTS, BEAMS, COLUMNS OR OTHER STRUCTURAL ELEMENTS UNLESS SPECIFICALLY

7. PREPARE, SUBMIT AND RECIEVE APPROVAL OF SLEEVE AND OPENING DRAWINGS BEFORE LOCATING SLEEVES AND OPENINGS IN FIRE-RATED CONSTRUCTION AND BEFORE CUTTING FIRE-RATED

8. WHERE "MATCH EXISTING" IS INDICATED: NEW CONSTRUCTION OF FINISHES AS APPROPRIATE TO THE NOTE, SHALL MATCH ADJACENT CONSTRUCTION AND FINISHES.

9. FIRE BLOCKING SHALL BE PROVIDED IN ALL CONCEALED SPACES, WALL CAVITIES INCLUDED, ACCORDING TO I.B.C. **SECTION 708.2.1**

2019 Edition

2018 Edition

2019 (R2010)

2016 Edition

1999 Edition

HUMBOLDT COUNTY

DIRECTORY

825 5TH STREET, ROOM 112 EUREKA, CA 95501 707-476-2388

CONTACT: TRAVIS SMITH CAO PROJECT MANAGER

<u>ARCHITECT</u>

ALAMEIDA ARCHITECTURE 555 SOUTH MAIN STREET, SUITE 2 SEBASTOPOL, CALIFORNIA 95472 (707) 824-1219 FAX (707) 824-2670

DEFERRED APPROVAL

MODIFICATIONS TO EXISTING FIRE ALARM SYSTEM

MODIFICATIONS TO EXISTING FIRE SPRINKLER SYSTEM

DRAWING INDEX

COVER SHEET

DEMOLITION PLAN

SITE PLAN - ACCESSIBILITY & GREEN CODE E.V.

ACC EGRESS PLAN

NEW FLOOR PLAN

A-1.1 LAYOUT PLAN

RESTROOM - DETAIL PLAN & DETAILS DETAILED LOBBY AND GENDER NEUTRAL

RESTROOM PLAN

R.F.C.P. DEMOLITION

R.F.C.P. NEW A-3 SITE ACCESS DETAILS

A-3.1ADA SIGNAGE PLAN

SIGN SCHEDULE & DETAILS

INTERIOR ELEVEATIONS A-4.1

RECEPTION AND COUNTER SECTIONS

TYPICAL METAL STUD PARTITION CONSTRUCTION

CASEWORK DETAILS

POWER & LIGHTING CONTROLS SEQUENCE OF

OPERATION

SUSPENDED CEILING LAYOUT AND DETAILS

SUSPENDED ACCOUSTICAL CEILING DETAILS

SUSPENDED DRYWALL LAYOUT

SUSPENDED DRYWALL DETAILS

SUSPENDED DRYWALL CEILING WHERE

PARTIALLY JOISTED

ROOM SCHEDULE A-8

DOOR SCHEDULE & INTERIOR OPENINGS DETAILS CG-1 CAL GREEN CHECKLIST

CG-2 CALGREEN CHECKLIST

CG-3 CALGREN CHECKLIST

ELECTRICAL SCHEDULES AND NOTES

ELECTRICAL POWER DEMOLITION

E-2 POWER PLAN

E-3 LIGHTING PLAN

E-4 DAYLIGHTING CONTROLLED LIGHTING

HVAC DEMOLITION PLAN DEATAILS AND NOTES HVA RCP PLAN

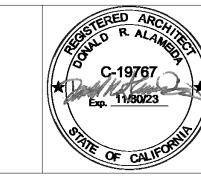
T24-2

HVAC FLOOR PLAN

PLUMBING PLAN

T24-1 TITLE 24 INDOOR LIGHTING

TITLE 24 OUTDOOR LIGHTING



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/2

COVER SHEET

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker
A-0	

Scale

1'' = 30'-0''

BUILDING STATISTICS	
В	
BUSINESS V-A	RM
YES - S1	
72,000 S.F.	
NONE TAKEN	-

CBC TABLE 503	
FRONT INCREASE	NONE TAKEN
W=[(L1XW1)+(L2XW2)] / F	
FRONT INCREASE	NONE TAKEN
If=[F/P-0.25] W/30	
FRONT INCREASE	NONE TAKEN
At X If	
SPRINKLER INCREASE	NONE TAKEN
At X Is	
ALOWABLE AREA	Aa = 9,000 + 6,525 + 0
Aa = [At + (At X If) + (At X Is)]	Aa = 15,525 S.F.
TOTAL ACTUAL PER STORY	72,000 S.F.
	TOTAL ACTUAL BUILDING AREA = 19,964
ALLOWABE HEIGHT (FEET) (CBC TABLE 503)	70
ACTUAL HEIGHT (FEET)	+/- 30 '
ALLOWABLE STORIES	4

REQUIRED PLUMBING FIXTURE COUNT

MINIMUM PLUMBING FACILITIES¹ (continued)

TYPE OF OCCUPANCY ²		CLOSETS ER PERSON) ³	URINALS (FIXTURES PER PERSON) ⁴		TORIES ER PERSON) ^{5, 6}	BATHTUBS OR SHOWERS (FIXTURES PER PERSON)	DRINKING FOUNTAINS/ FACILITIES (FIXTURES PER PERSON)	OTHER
B Business occupancy (office, professional or service type transactions)- banks, vet clinics, hospi- tals, car wash, banks, beauty salons, ambulatory health care facilities, laun-	Male 1: 1-50 2: 51-100 3: 101-200 4: 201-400	Female 1: 1-15 2: 16-30 3: 31-50 4: 51-100 8: 101-200 11: 201-400	Male 1: 1-100 2: 101-200 3: 201-400 4: 401-600	Male 1: 1-75 2: 76-150 3: 151-200 4: 201-300 5: 301-400	Female 1: 1-50 2: 51-100 3: 101-150 4: 151-200 5: 201-300 6: 301-400		1 per 150	1 service
dries and dry cleaning, educational institutions (above high school), or training facilities not located within school, post offices and printing shops	for each ad males and each addi	add 1 fixture ditional 500 1 fixture for itional 150 hales.	Over 600, add 1 fixture for each additional 300 males.	for each ad males and each addi	add 1 fixture ditional 250 1 fixture for itional 200 ales.			laundry tra

REQUIRED PLUMBING FIXTURE COUNT FOR TOTAL OCCUPANT LOAD OF 239 50 / 50 MALE AND FEMALE = 120 EACH.

	<u>MALE</u>	FEMALE
WATER CLOSETS	3 REQUIRED	8 REQUIRED

OCCUPANCY (CBC 302)

CONSTRUCTION TYPE

BASIC ALLOWABLE AREA (At)

FIRE SPRINKLERS

ACTUAL STORIES

3 TEQUITED	o razgonazz
2 MALE ONLY 1 UNISEX 3 PROVIDED	7 FEMALE ONLY <u>1 UNISEX</u> 8 PROVIDED

2 REQUIRED 2 PROVIDED URINALS

LAVATORIES

3 REQUIRED
2 MALE ONLY
5 FEMALE ONLY
1 UNISEX
1 PROVIDED
6 PROVIDED

DRINKING FOUNTAIN 1 PER 150 = 2 REQUIRED 3 PROVIDED

SEE SHEET A-0.4 ACC EGRERSS PLAN

43

102 EC 103 EC 104 BR 105 106 EC 106A 106B C. 107 EC 108 109 S 110 111 BR 112 EX 113 120 C 121 CC 122 123 124 124 127 128 129 130 131 CO 132 133 S 134	NAME EXHIBIT / LOBBY ECD CONF. 1 CD OFFICE 1 REAK OUT 1 COPY 1 C DEV OPEN OFFICE RECEPT. CAFE HALL CD OFFICE 2 OFFICE STORAGE OFFICE STORAGE OFFICE STORAGE OFFICE COLLABORA TION OFFICE OFFICE	AREA 608 SF 216 SF 154 SF 121 SF 114 SF 1179 SF 107 SF 140 SF 167 SF 159 SF 93 SF 165 SF 182 SF 55 SF 53 SF 2326 SF 351 SF 166 SF 232 SF	OCCUPANCY EXHIBIT GALLERY BUSINESS ACC. STOR. BUSINESS	OLF 30 100 100 100 100 100 100 100	NO. OF OCCUPANTS 20 2 1 1 1 2 2 2 0 2 0	# OF EXITS 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	CUMM. LOAD	EGRESS WIDTH (IN.) 72 36 36 36 36 36 36 36 36 36 3	MIN. EGRESS WIDTH (IN.) PER C.B.C. 1005.3.2 & 11B-404.2.3 32 32 32 32 32 32 32 32 32
102 EC 103 EC 104 BR 105 106 EC 106A 106B C 107 EC 108 109 S 110 111 BR 112 EX 113 120 C 121 CC 122 123 124 124 127 128 129 130 131 CO 132 133 S 134 135 OP 136	LOBBY CCD CONF. 1 CD OFFICE 1 REAK OUT 1 COPY 1 C DEV OPEN OFFICE RECEPT. CAFE HALL CD OFFICE 2 OFFICE STORAGE OFFICE REAKOUT 2 XHIB. STOR. W.C. VILLAGE COLLABORA TION OFFICE OFFICE OFFICE OFFICE CUST. OFFICE	216 SF 154 SF 121 SF 114 SF 1179 SF 107 SF 140 SF 167 SF 159 SF 93 SF 165 SF 182 SF 55 SF 53 SF 2326 SF 351 SF	GALLERY BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS ACC. STOR. BUSINESS BUSINESS BUSINESS ACC. STOR. BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS	100 100 100 100 100 100 100 100 300 100 300 100	2 2 1 1 12 1 1 2 2 2 0 2	1 1 1 2 1 1 1 1 1 1		36 36 36 36 72 36 36 36 36 36 36	32 32 32 32 32 32 32 32 32 32 32 32
103 EC 104 BR 105 106 EC 106A 106B C. 107 EC 108 109 S 110 111 BR 112 EX 113 120 CC 121 CC 122 123 124 124 127 128 129 130 131 CO 132 133 S 134 135 OP 136	CD OFFICE 1 REAK OUT 1 COPY 1 C DEV OPEN OFFICE RECEPT. CAFE HALL CD OFFICE 2 OFFICE STORAGE OFFICE REAKOUT 2 XHIB. STOR. W.C. VILLAGE COLLABORA TION OFFICE OFFICE OFFICE CUST. OFFICE	154 SF 121 SF 114 SF 1179 SF 107 SF 140 SF 167 SF 159 SF 93 SF 165 SF 182 SF 55 SF 53 SF 2326 SF 351 SF	BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS ACC. STOR. BUSINESS ACC. STOR. BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS	100 100 100 100 100 100 100 300 100 300 100	2 1 1 12 1 1 2 2 2 0 2 2	1 1 1 2 1 1 1 1 1		36 36 36 36 72 36 36 36 36 36 36	32 32 32 32 32 32 32 32 32 32
104 BR 105 106 EC 106A 106B C. 107 EC 108 109 S 110 111 BR 112 EX 113 120 C 121 CC 122 123 124 124 127 128 129 130 131 CO 132 133 S 134 135 OP 136	REAK OUT 1 COPY 1 COPY 1 C DEV OPEN OFFICE RECEPT. CAFE HALL CD OFFICE 2 OFFICE STORAGE OFFICE REAKOUT 2 XHIB. STOR. W.C. VILLAGE COLLABORA TION OFFICE OFFICE OFFICE CUST. OFFICE	121 SF 114 SF 1179 SF 107 SF 140 SF 167 SF 159 SF 93 SF 165 SF 182 SF 55 SF 53 SF 2326 SF 351 SF	BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS ACC. STOR. BUSINESS BUSINESS ACC. STOR. BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS	100 100 100 100 100 100 300 100 300 100	1 1 12 1 1 2 2 2 0 2	1 1 2 1 1 1 1 1 1		36 36 72 36 36 36 36 36 36 36	32 32 32 32 32 32 32 32 32 32
105 106 EC 106A 106B C. 107 EC 108 109 S 110 111 BR 112 EX 113 120 C 121 CC 122 123 124 124 124 127 128 129 130 131 CO 132 133 S 134 135 OP 136	COPY 1 C DEV OPEN OFFICE RECEPT. CAFE HALL CD OFFICE 2 OFFICE STORAGE OFFICE REAKOUT 2 XHIB. STOR. W.C. VILLAGE COLLABORA TION OFFICE OFFICE OFFICE CUST. OFFICE	114 SF 1179 SF 107 SF 140 SF 167 SF 159 SF 93 SF 165 SF 182 SF 55 SF 53 SF 2326 SF 351 SF	BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS ACC. STOR. BUSINESS BUSINESS ACC. STOR. BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS BUSINESS	100 100 100 100 100 100 300 100 300 100	1 1 2 2 2 0 2 2	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		36 72 36 36 36 36 36 36 36	32 32 32 32 32 32 32 32 32
106 EC 106A 106B C. 107 EC 108 109 S 110 111 BR 112 EX 113 120 C. 121 C. 122 123 124 124 127 128 129 130 131 C. 132 133 S 134 135 OP 136	C DEV OPEN OFFICE RECEPT. CAFE HALL CD OFFICE 2 OFFICE STORAGE OFFICE REAKOUT 2 XHIB. STOR. W.C. VILLAGE COLLABORA TION OFFICE OFFICE OFFICE CUST. OFFICE	1179 SF 107 SF 140 SF 167 SF 159 SF 93 SF 165 SF 182 SF 53 SF 2326 SF 351 SF	BUSINESS BUSINESS BUSINESS BUSINESS ACC. STOR. BUSINESS BUSINESS ACC. STOR. BUSINESS ACC. STOR. BUSINESS BUSINESS BUSINESS BUSINESS	100 100 100 100 100 300 100 300 100	1 1 2 2 2 0 2 2	1 1 1 1 1 1 1		72 36 36 36 36 36 36 36	32 32 32 32 32 32 32
106A 106B C. 107 EC. 108 109 S. 110 111 BR 112 EX. 113 120 121 CC. 122 123 124 124 127 128 129 130 131 CO. 132 134 135 OP. 136	OFFICE RECEPT. CAFE HALL CD OFFICE 2 OFFICE STORAGE OFFICE REAKOUT 2 XHIB. STOR. W.C. VILLAGE COLLABORA TION OFFICE OFFICE OFFICE CUST. OFFICE	107 SF 140 SF 167 SF 159 SF 93 SF 165 SF 182 SF 55 SF 53 SF 2326 SF 351 SF	BUSINESS BUSINESS BUSINESS BUSINESS ACC. STOR. BUSINESS BUSINESS ACC. STOR. BUSINESS ACC. STOR. BUSINESS BUSINESS BUSINESS	100 100 100 100 300 100 300 100	1 1 2 2 2 0 2 2	1 1 1 1 1 1		36 36 36 36 36 36	32 32 32 32 32 32
106B C. 107 EC. 108 109 S. 110 111 BR 112 EX. 113 120 C. 121 C. 122 123 124 124 127 128 129 130 131 C. 132 134 135 OP. 136	CAFE HALL CD OFFICE 2 OFFICE STORAGE OFFICE REAKOUT 2 XHIB. STOR. W.C. VILLAGE COLLABORA TION OFFICE OFFICE OFFICE CUST. OFFICE	140 SF 167 SF 159 SF 93 SF 165 SF 182 SF 55 SF 53 SF 2326 SF 351 SF	BUSINESS BUSINESS ACC. STOR. BUSINESS BUSINESS ACC. STOR. BUSINESS ACC. STOR. BUSINESS BUSINESS BUSINESS	100 100 100 300 100 100 300 100	1 2 2 0 2 2	1 1 1 1 1		36 36 36 36 36	32 32 32 32 32
107 EC 108 109 S 110 111 BR 112 EX 113 120 C 121 CC 122 123 124 124 127 128 129 130 131 CO 132 133 S 134 135 OP 136	CD OFFICE 2 OFFICE STORAGE OFFICE SREAKOUT 2 XHIB. STOR. W.C. VILLAGE COLLABORA TION OFFICE OFFICE OFFICE CUST. OFFICE	167 SF 159 SF 93 SF 165 SF 182 SF 55 SF 53 SF 2326 SF 351 SF	BUSINESS BUSINESS ACC. STOR. BUSINESS BUSINESS ACC. STOR. BUSINESS BUSINESS BUSINESS	100 100 300 100 100 300 100	2 2 0 2 2 2	1 1 1 1 1		36 36 36 36	32 32 32
108 109 S 110 111 BR 112 EX 113 120 121 CC 122 123 124 124 127 128 129 130 131 CO 132 133 S 134 135 OP 136	OFFICE STORAGE OFFICE REAKOUT 2 XHIB. STOR. W.C. VILLAGE COLLABORA TION OFFICE OFFICE OFFICE CUST. OFFICE	159 SF 93 SF 165 SF 182 SF 55 SF 53 SF 2326 SF 351 SF	BUSINESS ACC. STOR. BUSINESS BUSINESS ACC. STOR. BUSINESS BUSINESS BUSINESS	100 300 100 100 300 100	2 0 2 2	1 1 1 1		36 36 36	32 32
109 S 110 111 BR 112 EX 113 120 C 121 CC 122 123 124 124 127 128 129 130 131 CO 132 132 133 S 134 135 OP	STORAGE OFFICE REAKOUT 2 XHIB. STOR. W.C. VILLAGE COLLABORA TION OFFICE OFFICE OFFICE CUST. OFFICE	93 SF 165 SF 182 SF 55 SF 53 SF 2326 SF 351 SF	ACC. STOR. BUSINESS BUSINESS ACC. STOR. BUSINESS BUSINESS	300 100 100 300 100	0 2 2	1 1 1		36 36	32
110 111 BR 112 EX 113 120 121 CC 122 123 124 124 127 128 129 130 131 CO 132 133 S 134 135 OP 136	OFFICE BREAKOUT 2 XHIB. STOR. W.C. VILLAGE COLLABORA TION OFFICE OFFICE CUST. OFFICE	165 SF 182 SF 55 SF 53 SF 2326 SF 351 SF	BUSINESS BUSINESS ACC. STOR. BUSINESS BUSINESS	100 100 300 100	2 2	1 1		36	
111 BR 112 EX 113 120 CO 121 CO 122 123 124 124 127 128 129 130 131 CO 132 133 S 134 135 OP	REAKOUT 2 XHIB. STOR. W.C. VILLAGE COLLABORA TION OFFICE OFFICE CUST. OFFICE	182 SF 55 SF 53 SF 2326 SF 351 SF	BUSINESS ACC. STOR. BUSINESS BUSINESS	100 300 100	2	1			32
112 EX 113 120 CO 121 CO 122 123 124 124 127 128 129 130 131 CO 132 133 S 134 135 OP	XHIB. STOR. W.C. VILLAGE COLLABORA TION OFFICE OFFICE COFFICE CUST. OFFICE	55 SF 53 SF 2326 SF 351 SF 166 SF	ACC. STOR. BUSINESS BUSINESS	300 100				36	32
120 CO 121 CO 122 123 124 124 127 128 129 130 131 CO 132 133 S 134 135 OP 136	VILLAGE COLLABORA TION OFFICE OFFICE OFFICE CUST. OFFICE	2326 SF 351 SF 166 SF	BUSINESS			1		36	32
121 CO 122 123 124 124 127 128 129 130 131 CO 132 133 S 134 135 OP	COLLABORA TION OFFICE OFFICE OFFICE CUST. OFFICE	351 SF 166 SF		100	1	1		36	32
122 123 124 124 127 128 129 130 131 CO 132 133 S 134 135 OP 136	TION OFFICE OFFICE CUST. OFFICE	166 SF	BUSINESS		23	3		36	32
123 124 124 127 128 129 130 131 CO 132 133 S 134 135 OP 136	OFFICE OFFICE CUST. OFFICE			100	4	1		36	32
124 124 127 128 129 130 131 CO 132 133 S 134 135 OP 136	OFFICE CUST. OFFICE	232 SF	BUSINESS	100	2	1		36	32
124 127 128 129 130 131 CO 132 133 S 134 135 OP 136	CUST. OFFICE	190 CE	BUSINESS	100	2	1		36	32
127 128 129 130 131 CO 132 133 S 134 135 OP 136	OFFICE	180 SF 35 SF	BUSINESS ACC. STOR.	300	0	1		36 36	32
128 129 130 131 CO 132 133 S 134 135 OP 136		161 SF	BUSINESS	100	2	1		36	32
130 131 CO 132 133 S 134 135 OP	~	161 SF	BUSINESS	100	2	1		36	32
131 CO 132 133 S 134 135 OP 136	OFFICE	151 SF	BUSINESS	100	2	1		36	32
132 133 S 134 135 OP 136	OFFICE	169 SF	BUSINESS	100	2	1		36	32
133 S 134 135 OP 136	ONFERENCE	989 SF	ASSEM NON FIXED SEATS	15	66	2		72	32
134 135 OP 136	OFFICE	132 SF	BUSINESS	100	1	1		36	32
135 OP	STORAGE	296 SF	ACC. STOR.	300	1	1		36	32
136	OFFICE PEN OFFICE	132 SF 1225 SF	BUSINESS BUSINESS	100	12	2		36 72	32
	OFFICE	169 SF	BUSINESS	100	2	1		36	32
131	OFFICE	191 SF	BUSINESS	100	2	1		36	32
138	OFFICE	159 SF	BUSINESS	100	2	1		36	32
139	OFFICE	159 SF	BUSINESS	100	2	1		36	32
	RECEPT.	301 SF	BUSINESS	100	3	1		36	32
141	OFFICE	157 SF	BUSINESS	100	2	1		36	32
142 143 C	OFFICE CORRIDOR	79 SF 290 SF	BUSINESS	100	1	2		36 72	32
143 C	OFFICE	290 SF 145 SF	BUSINESS	100	1	<u>Z</u>		12	32
145	OFFICE	134 SF	BUSINESS	100	1				32
146	OFFICE	142 SF	BUSINESS	100	1				32
147	OFFICE	1354 SF	BUSINESS	100	14	1		36	32
148	STOR.	52 SF	ACC. STOR.	300	0	1		36	32
	BREAK RM.	589 SF	BUSINESS	100	6	1		36	32
	CONFER. 1	358 SF 53 SF	BUSINESS ACC. STOR.	300	0	1		36 36	32
162 CC	MENS	205 SF	BUSINESS	100	2	1		36	32
	WOMENS	324 SF	BUSINESS	100	3	1		36	32
	LOUNGE	106 SF	BUSINESS	100	1	1		36	32
170 S	INFOR. SERVICES	444 SF	BUSINESS	100	4	1		36	32
171	SYST. ANYLSIS	165 SF	BUSINESS	100	2	1		36	32
	TEL. RM	83 SF	ACC. STOR.	100	1	1		36	32
	SERVER	128 SF	ACC. STOR.	100	1	1		36	32
	EQ. STOR CORRIDOR	118 SF 616 SF	ACC. STOR.	100	1	2	80	36 36	32
	CORRIDOR	346 SF		0		2	80	36	32
	COPY/STOR.	157 SF	BUSINESS	100	2	1		36	32
191	OFFICE	201 SF	BUSINESS	100	2	1		36	32
192	OFFICE	209 SF	BUSINESS	100	2	1		36	32
194	HALL	391 SF	BUSINESS	100	4	1		36	32
	NTERVIEW 1	126 SF	BUSINESS	100	1	1		36	32
	NTERVIEW 2	126 SF	BUSINESS	100	1	1		36	32
	CSS LOBBY CSS CONFER.	179 SF 170 SF	BUSINESS BUSINESS	100	2 2	1		36 36	32
	CSS RECEP.	93 SF	BUSINESS	100	1	1		36	32
		18740 SF			239 OCCU	JPANTS			1 5-

PROJECT MANAGEMENT

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

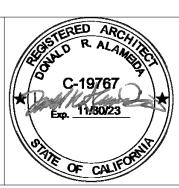
555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM



PROJECT

TENANT **IMPROVENMENTS** FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT **SERVICES**

2420 6TH STREET EUREKA, CA

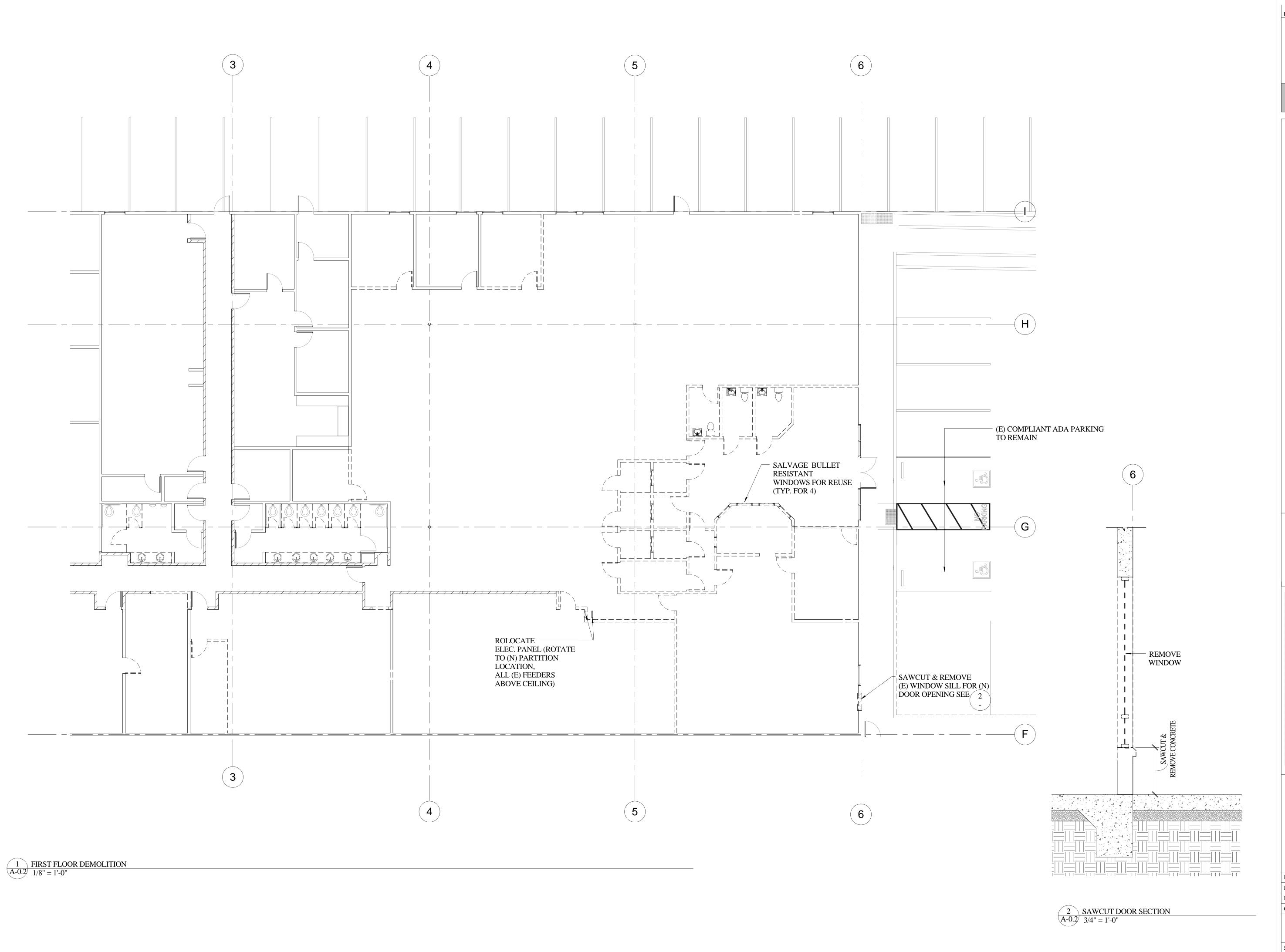


No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/22

CODE ANALYSIS

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

A-0.1



ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

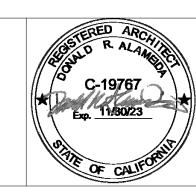
555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM



PROJECT

TENANT
IMPROVENMENTS
FOR ECONOMIC
DEVELOPMENT AND
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SERVICES

2420 6TH STREET EUREKA, CA



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/22
·		

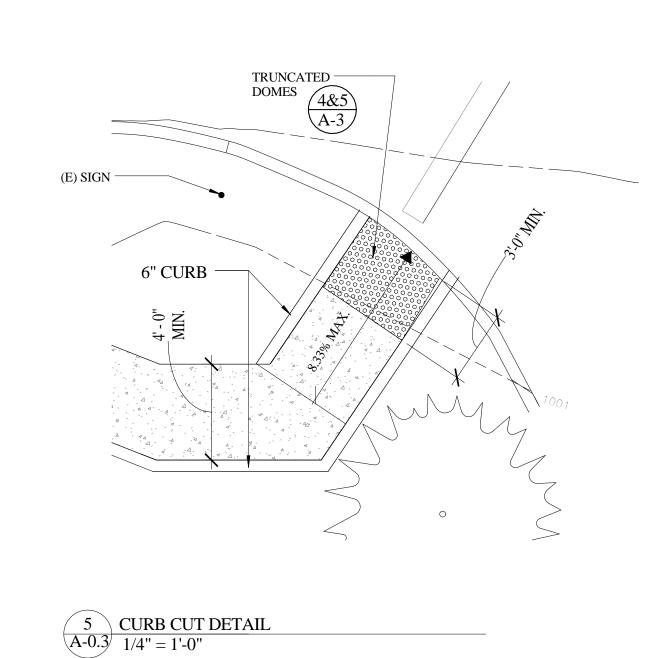
DEMOLITION PLAN

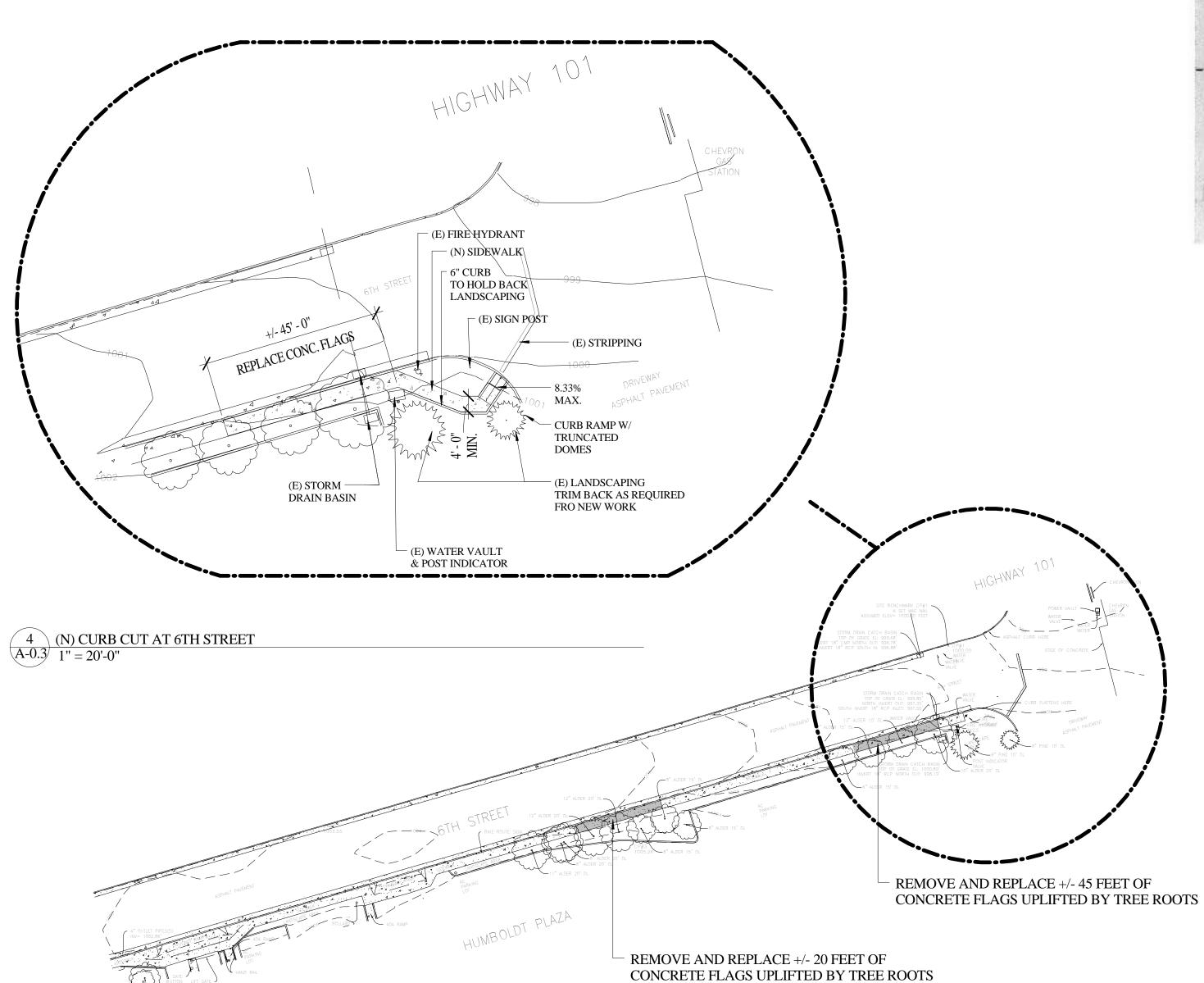
Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

A-0.2

As indicated

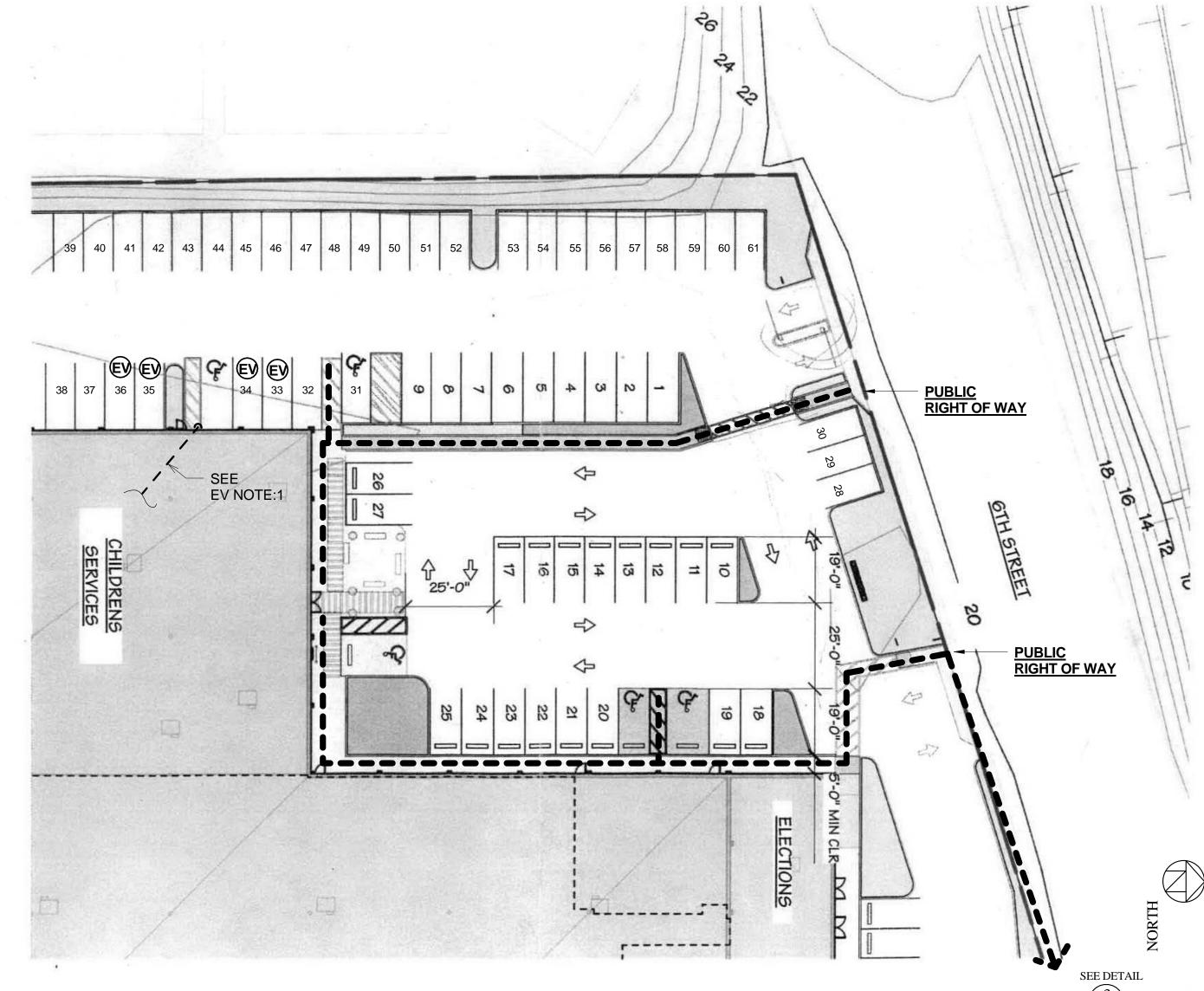
4.60.60





SITE - 6TH STREET IMPROVEMENTS

A-0.3 1'' = 40'-0''



EV E.V. READY PARKING SPACE

<u>E.V.NOTE 1.</u>

INSTALL 2" CONDUIT FROM

DISTRIBUTION PANEL "W" 800 AMP

ABOVE CEILING, TROUGH EXTERIOR WALL AND TEMINATE FOR FUTURE

E.V. SUBPANEL & CHARGERS @ 42"

ABOVE GRADE ON EXTERIOR WALL.

SERVICE LOCATED IN ROOM 166

PARKING FOR CHILD PROTECTIVE SERVICES, ECONOMIC DEVELOPMENT AND DEPARTMENT OF ELECTIONS EXISTING PARKLING
STANDARD STALL = 60
ACCESSIBLE VAN = 2
ACCESSIBALE = 2
TOTAL 64

REQUIRED ACCESSIBLE PARKING FOR 51- 75 3 REQUIRED < 4 PROVIDED

FOR CONTINUATION

C.B.C. GREEN CODE ELECTRIC VEHICAL READY REQUIREMENT

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CHARGING SPACES
0-9	0
10-25	1
26-50	
51-75	4
76-100	
101-150	7
151-200	10
201 and over	6 percent of total ¹

1 SITE PLAN - ACCESSIBILITY A-0.3 1/2" = 1'-0"

& GREEN CODE E.V. PARKING

PROJECT MANAGEMENT

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

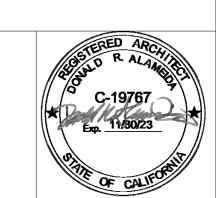
555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM



PROJECT

TENANT
IMPROVENMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET EUREKA, CA



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/22

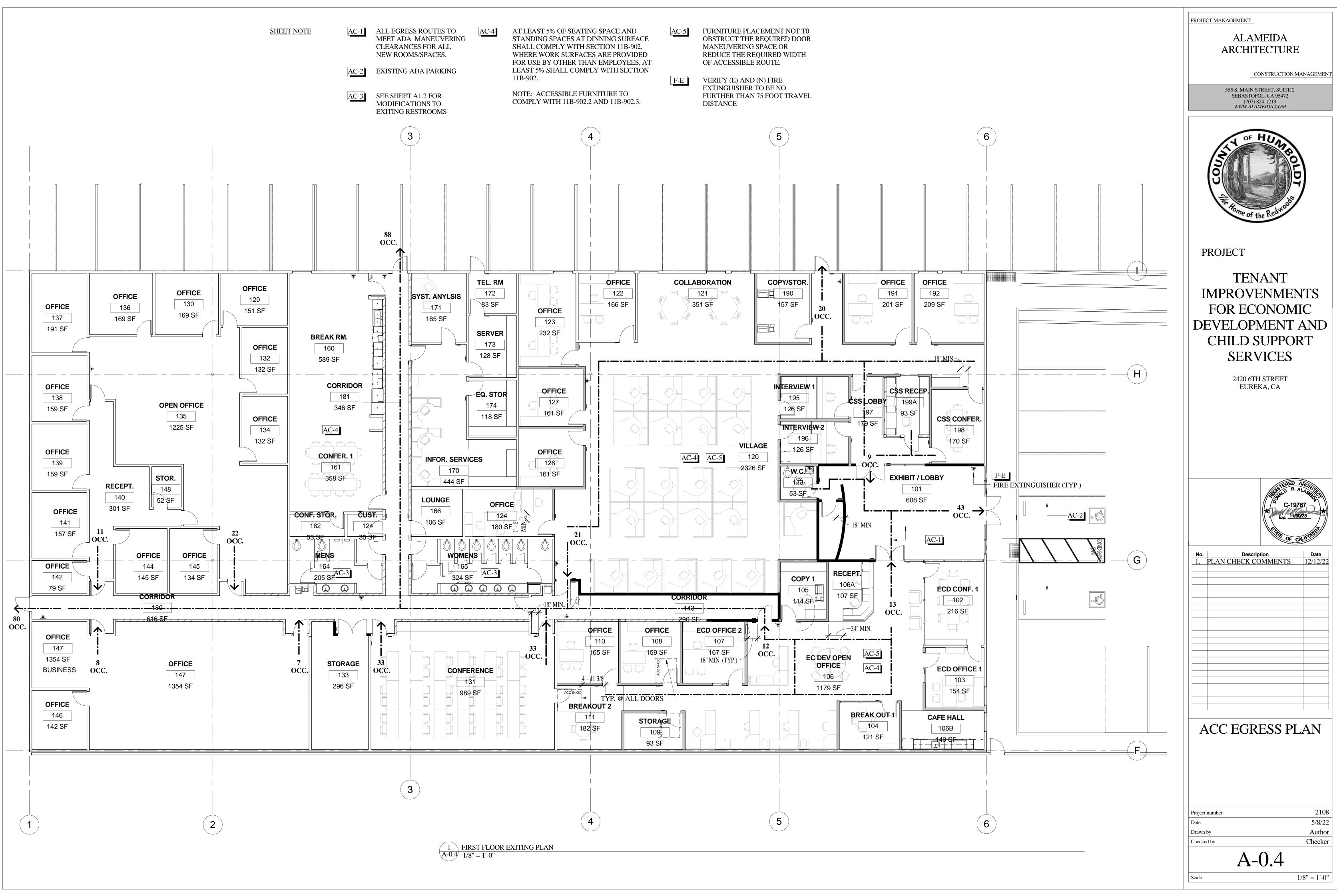
SITE PLAN -ACCESSIBILITY

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

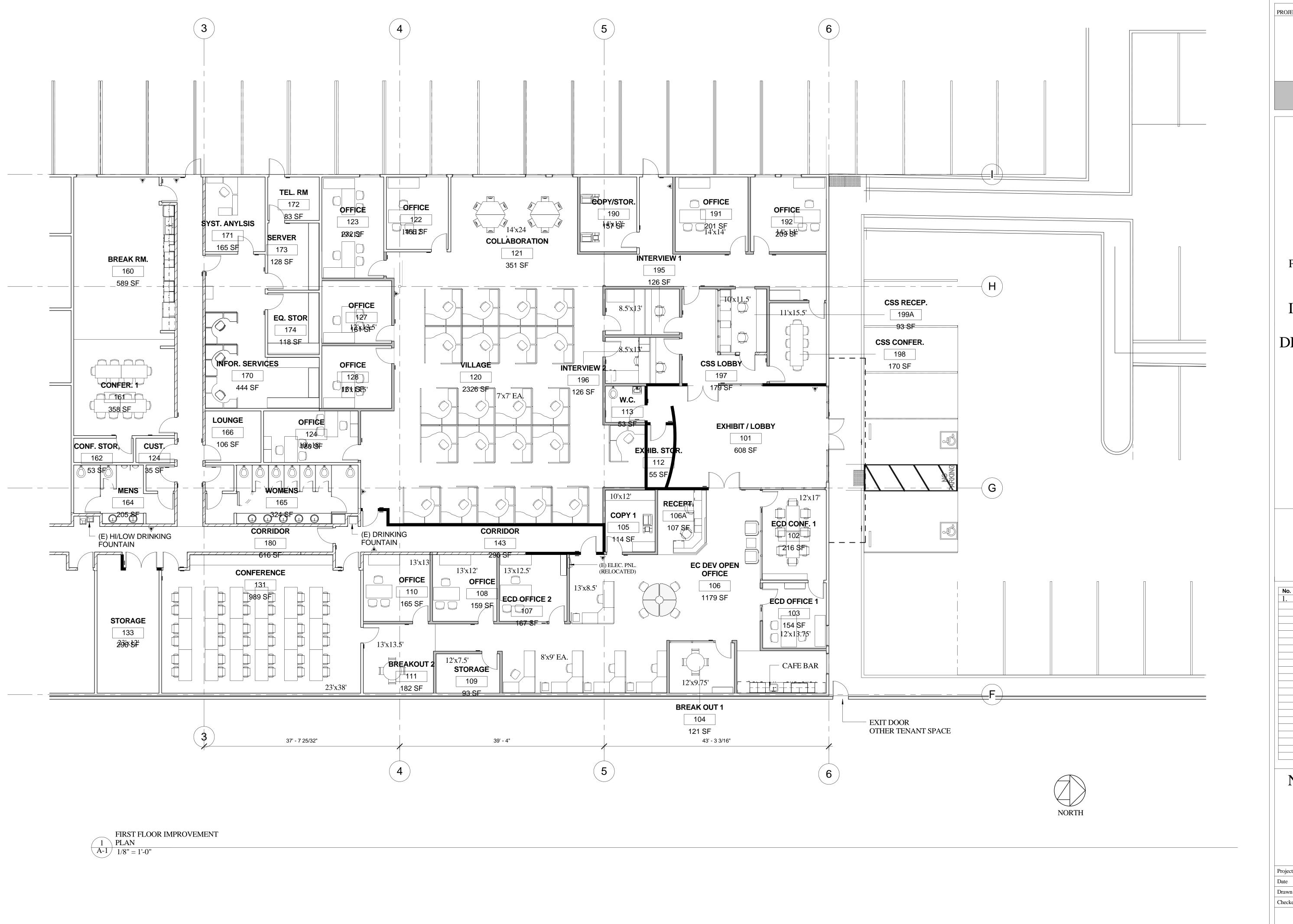
A-0.3

As indicated

3/2023 8:58:44 AM



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ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

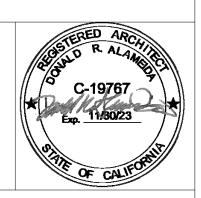
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PROJECT

TENANT
IMPROVENMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET EUREKA, CA

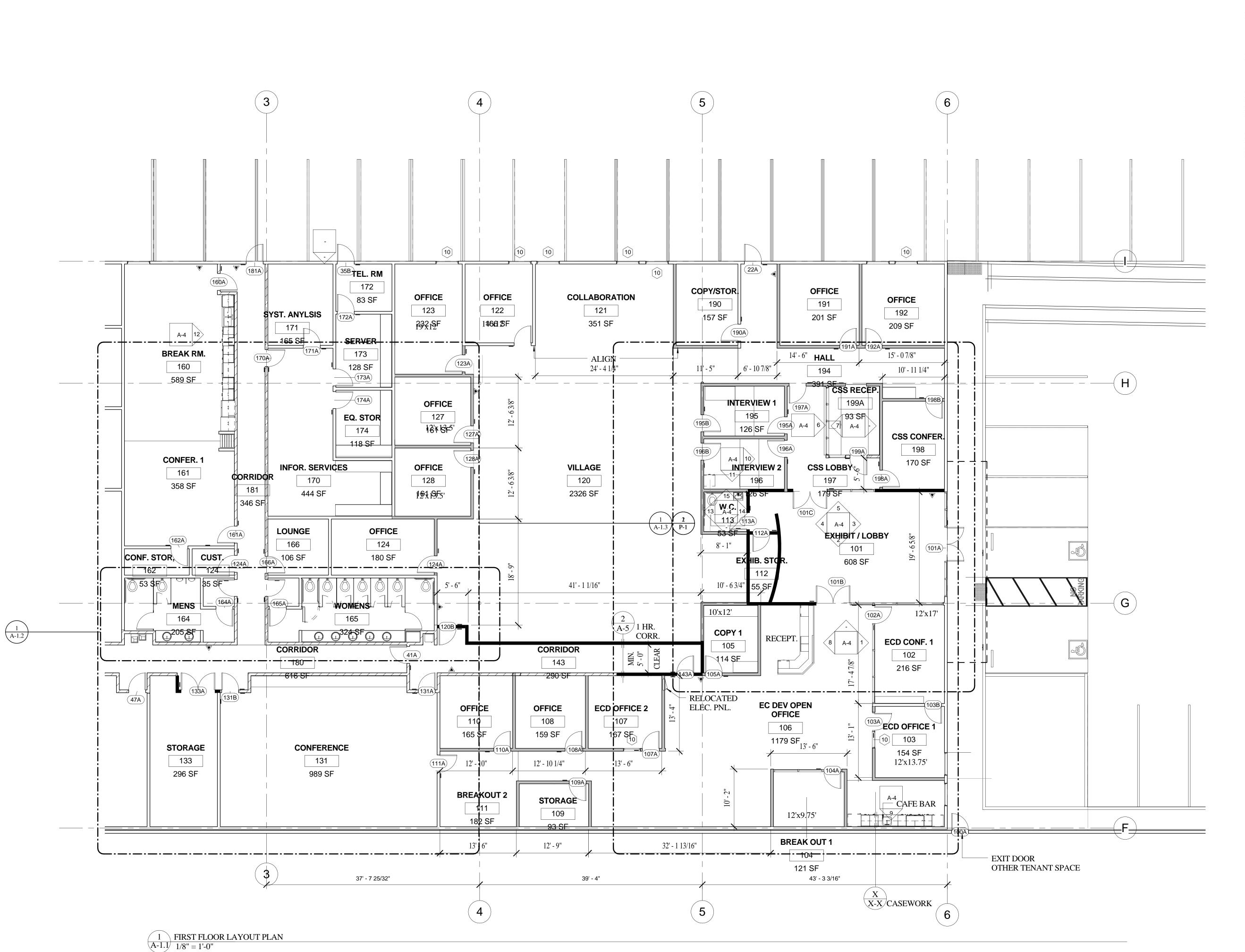


No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/22

NEW FLOOR PLAN

Project number	2108
Date	5/8/22
Drawn by	DRA
Checked by	DRA

A-1



WALL / PARTITION TYPES

EXITING PARTITION



NEW PARTITION



NEW 1 HOUR
RATED
PARTITION

LLET

NEW BULLET RESISANT PARTITION PROJECT MANAGEMENT

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

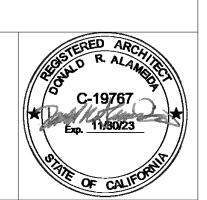
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PROJECT

TENANT
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FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

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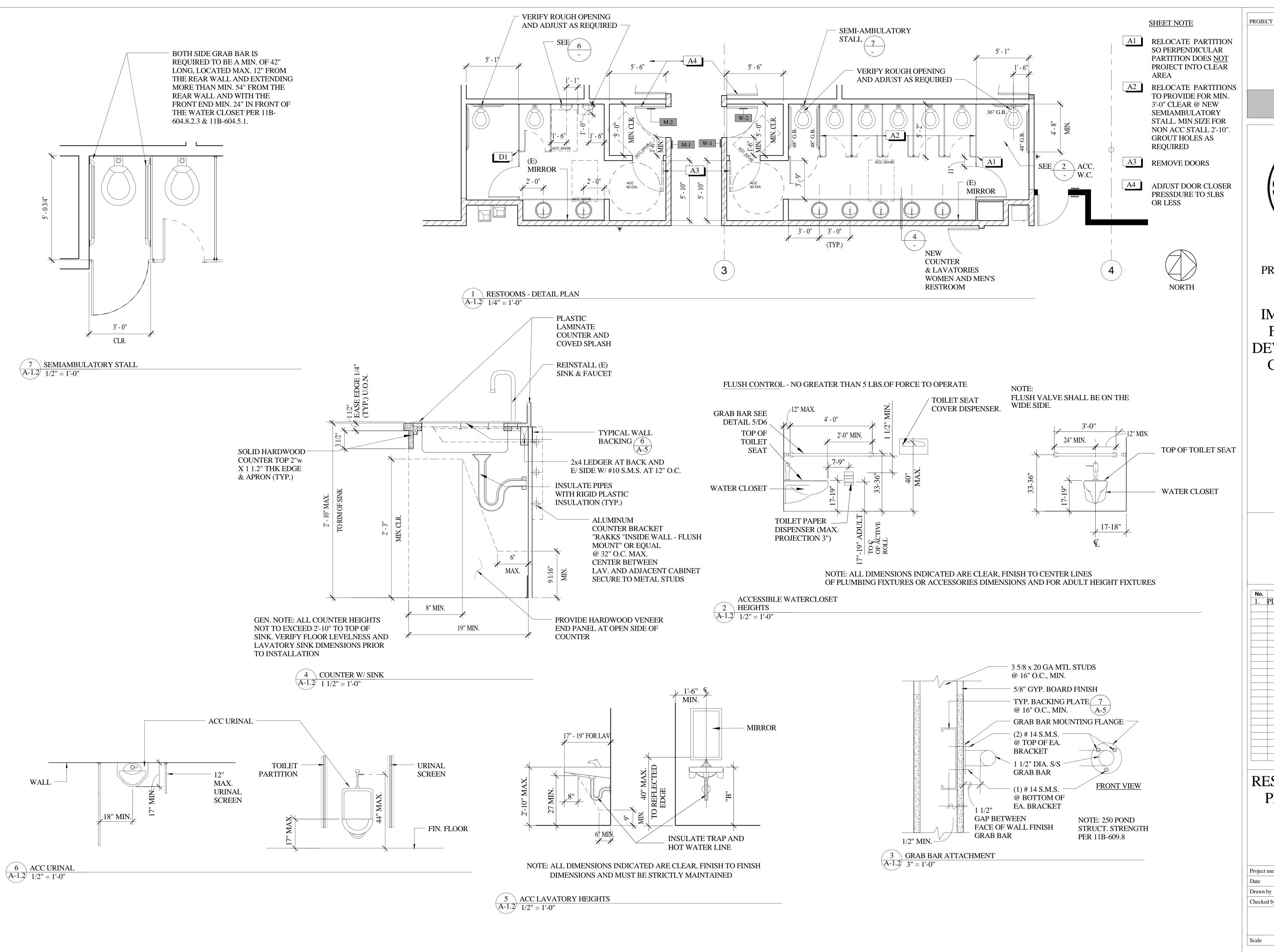
No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/22

LAYOUT PLAN

210
5/8/2
Autho
Check
_

A-1.1

5/3/2023 9:00:38 AM



ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

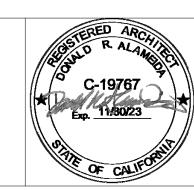
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PROJECT

TENANT IMPROVENMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT **SERVICES**

> **2420 6TH STREET** EUREKA, CA



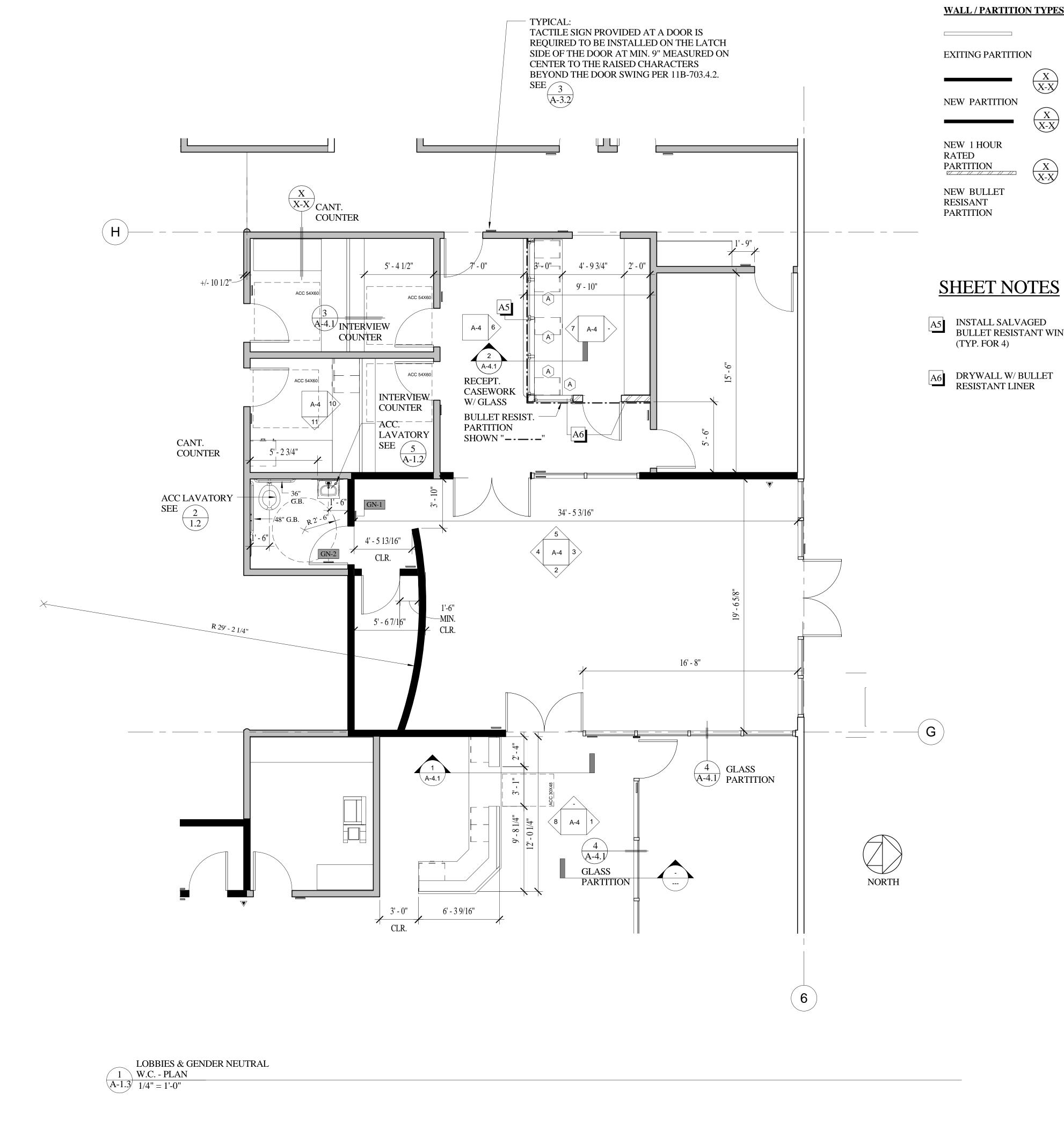
No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/2

RESTROOM - DETAIL PLAN & DETAILS

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

A-1.2

As indicated



WALL / PARTITION TYPES

EXITING PARTITION

NEW PARTITION

 $X \over X-X$

X X-X

A5 INSTALL SALVAGED BULLET RESISTANT WINDOWS (TYP. FOR 4)

A6 DRYWALL W/ BULLET RESISTANT LINER

PROJECT MANAGEMENT

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

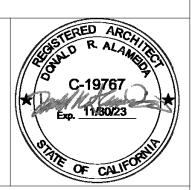
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PROJECT

TENANT **IMPROVENMENTS** FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT **SERVICES**

> 2420 6TH STREET EUREKA, CA



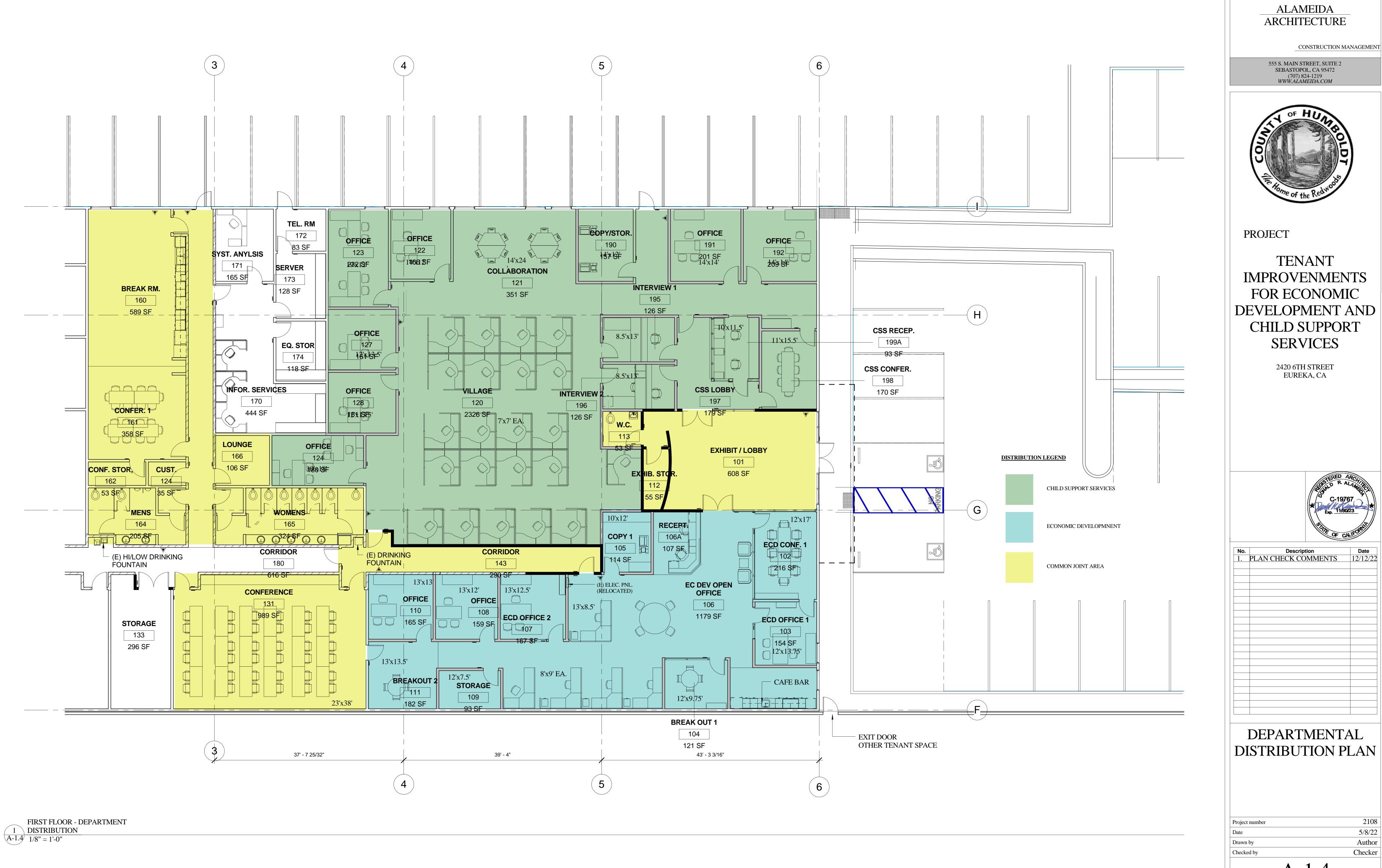
NI.	Description	Data
No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/22

DETAILED LOBBY AND GENDER NEUTRAL RESTROOM PLAN

Project number	2
Date	5/8
Drawn by	Au
Checked by	Chec

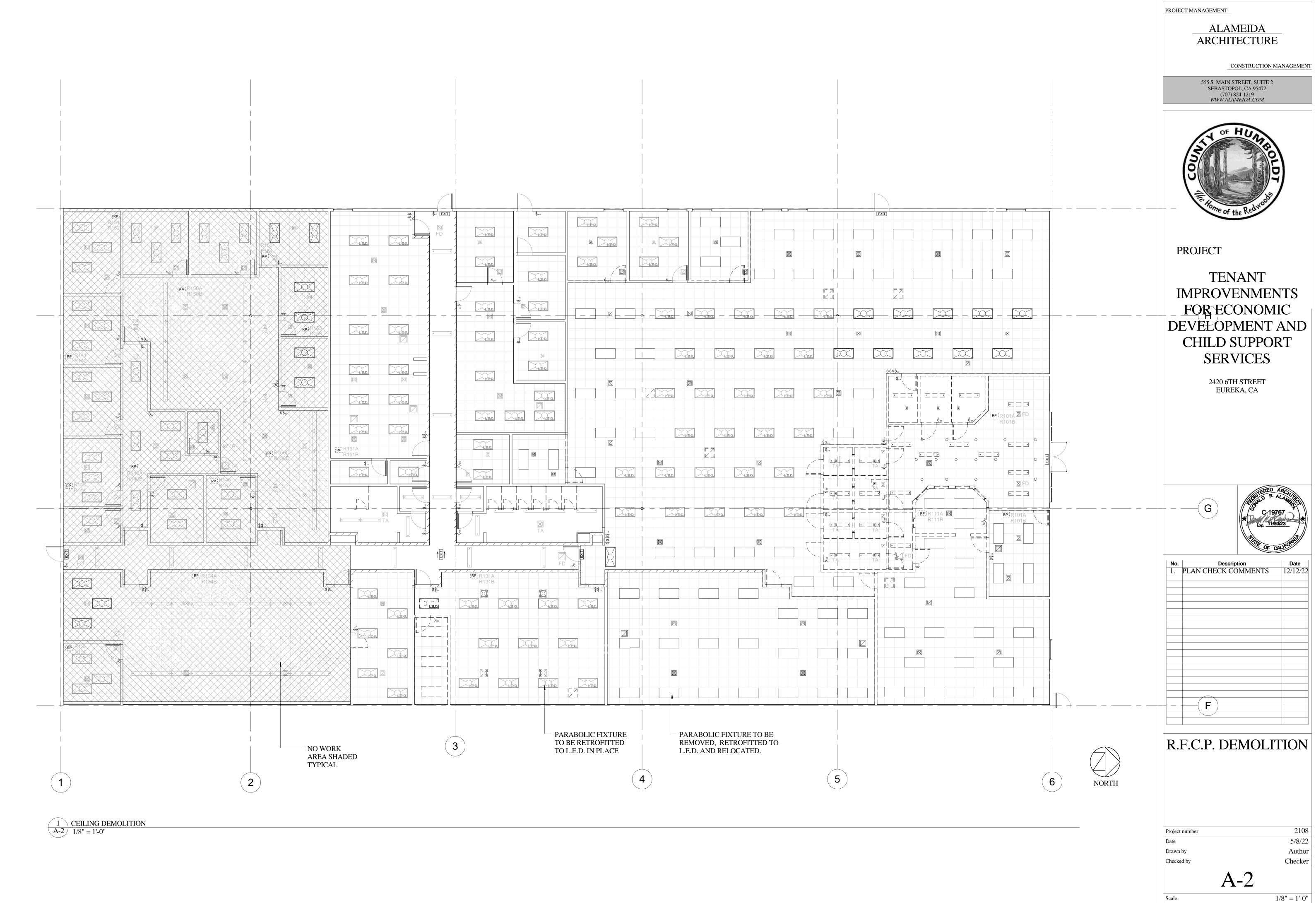
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As indicated

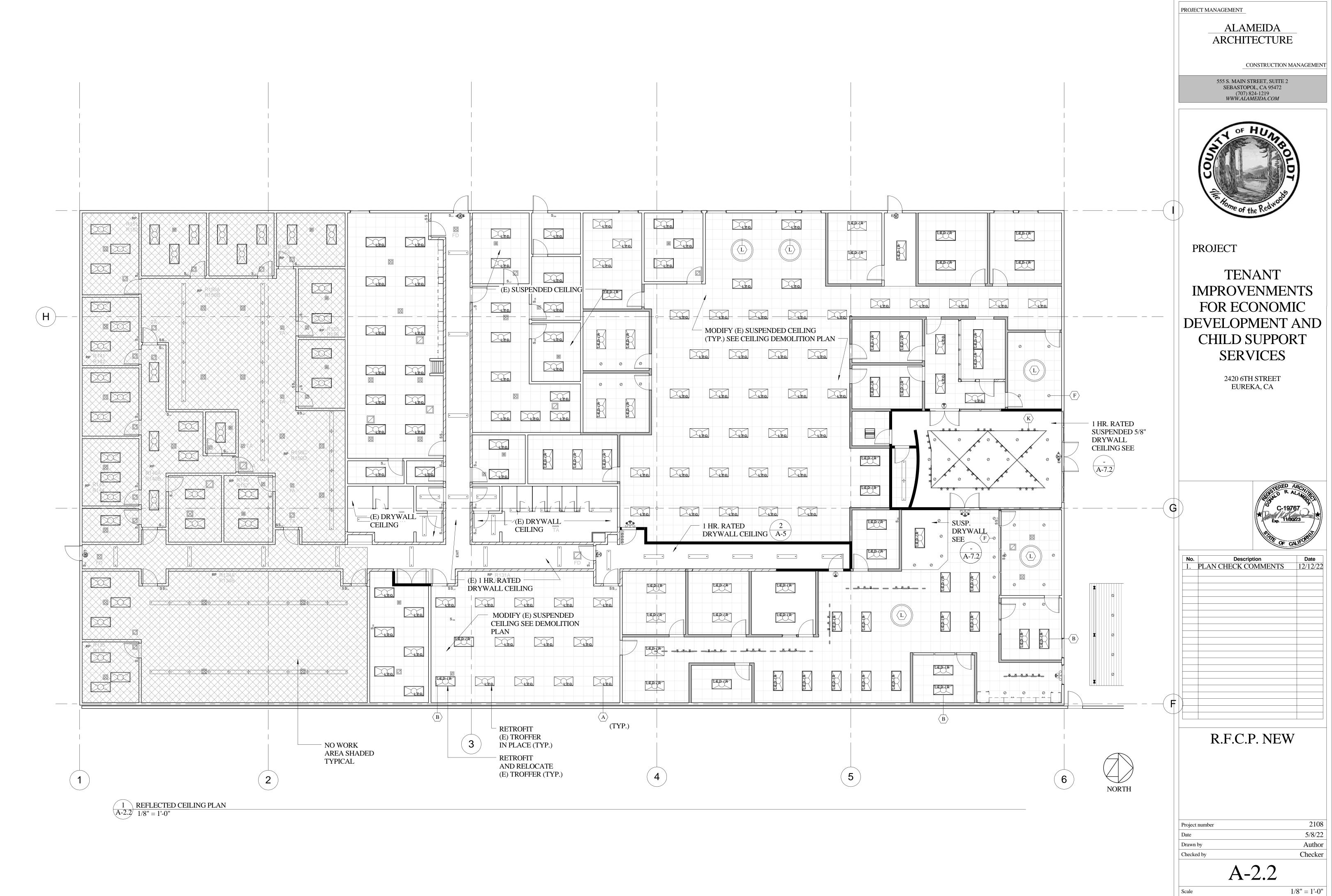


Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

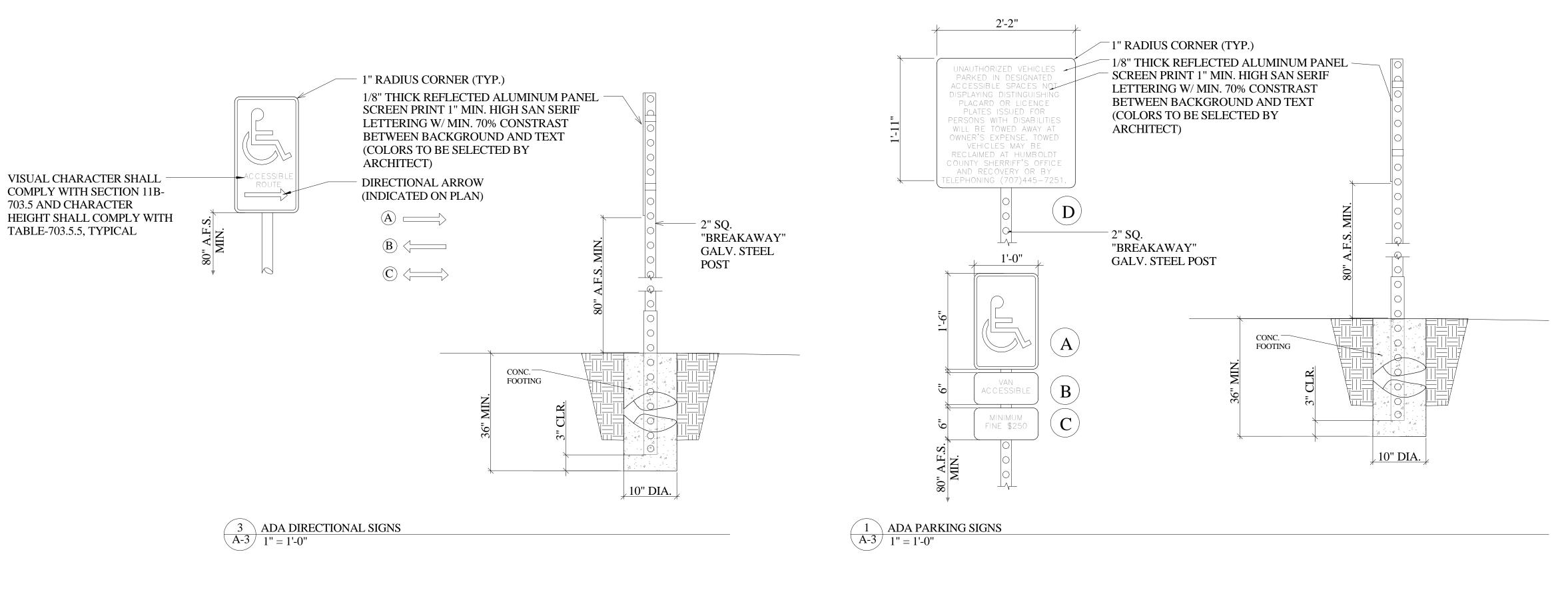
A-1.4

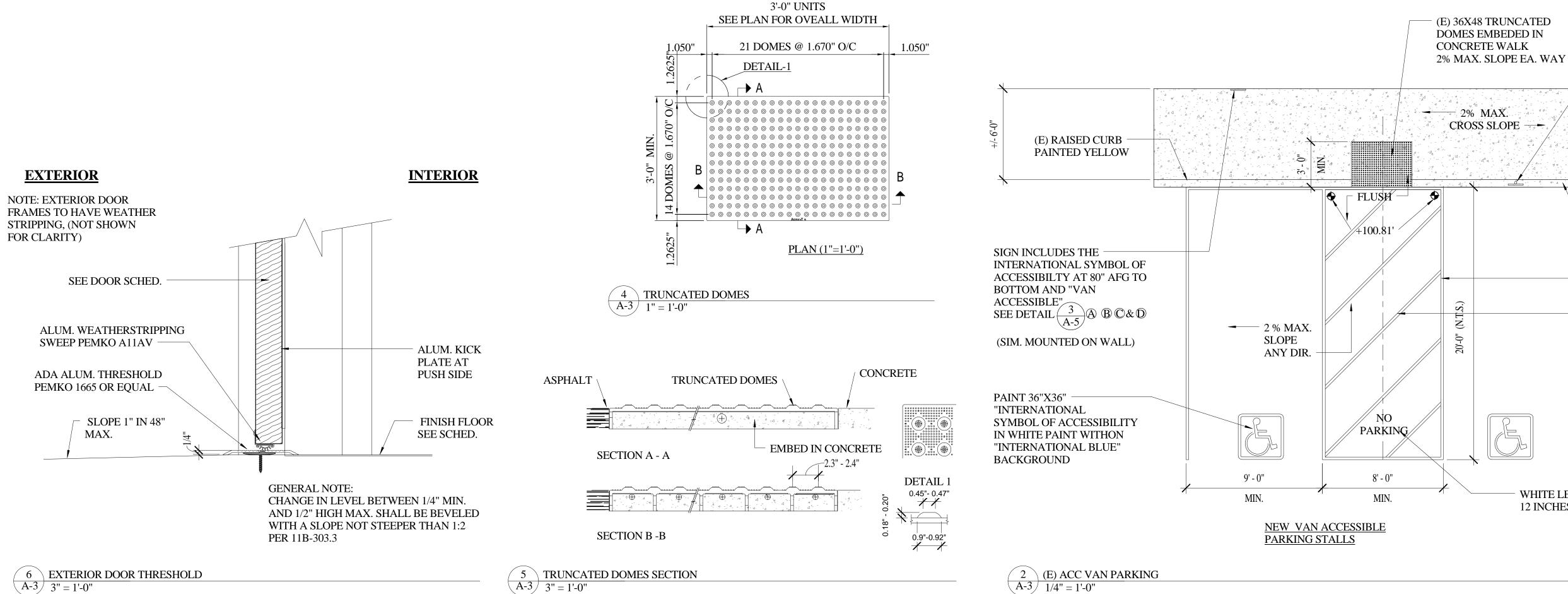


5/2/2023 4:54:21 PM



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ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM



PROJECT

SIGN INCLUDES THE

BOTTOM AND "VAN

(E) RAISED CURB

INTERNATIONAL

PAINT 2" STRIPING ON 36"

DISCHARGE AREA MAX.

BLUE BORDER

CENTERS MIN. IN

"INTERNATIONAL

2% SLOPE IN ANY

BLUE" IN AUTO

DIRECTION

WHITE LETTERING

12 INCHES HIGH

PAINTED YELLOW

INTERNATIONAL SYMBOL OF

ACCESSIBILTY AT 80" AFG TO

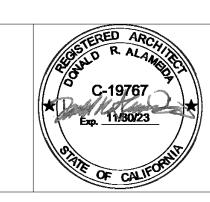
ACCESSIBLE"
SEE DETAIL

A-5

A B & C

TENANT IMPROVENMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT **SERVICES**

> 2420 6TH STREET EUREKA, CA



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/22

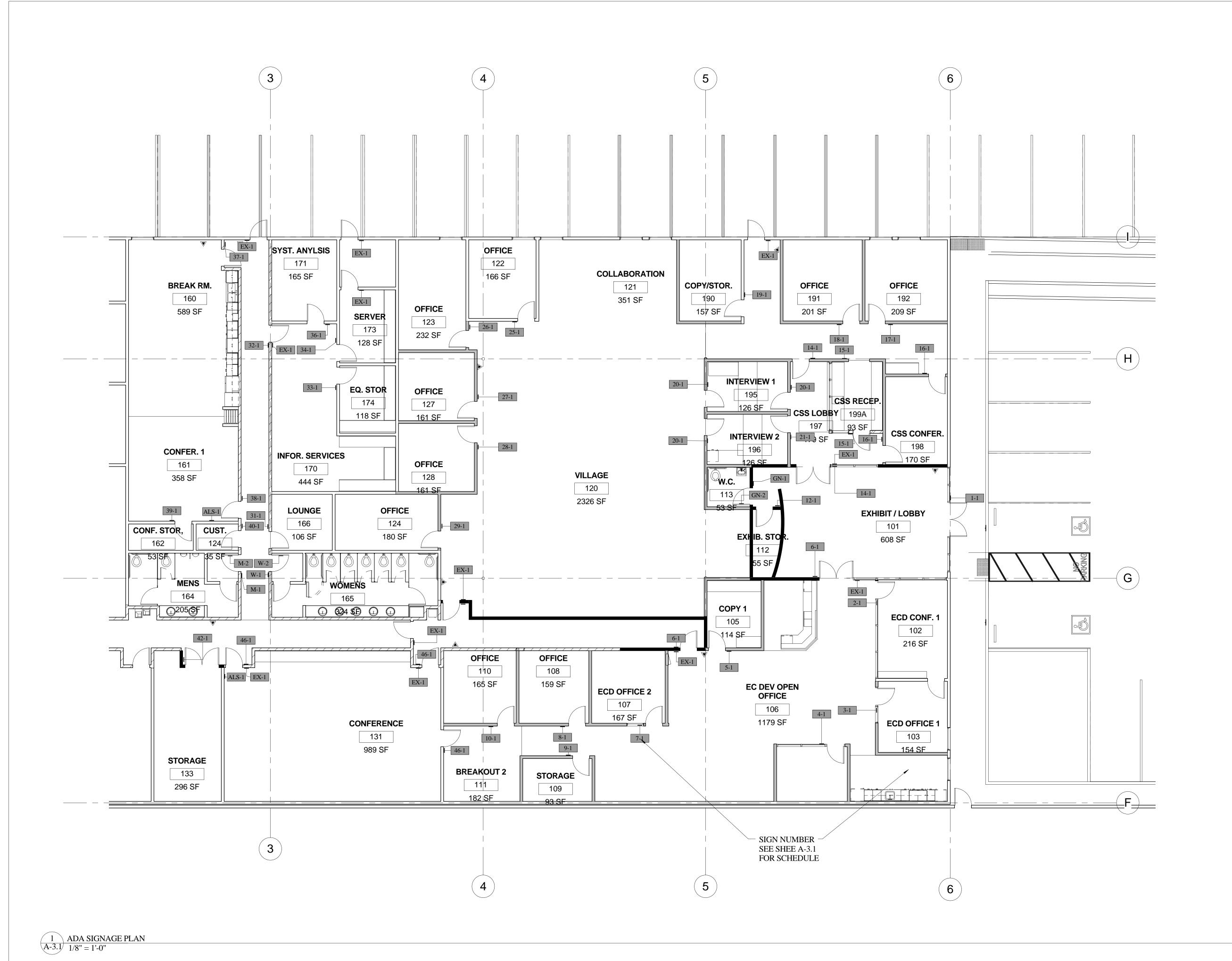
SITE ACCESS **DETAILS**

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

A-3

Scale

As indicated



ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

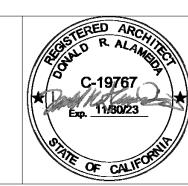
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PROJECT

TENANT
IMPROVENMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET EUREKA, CA



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12

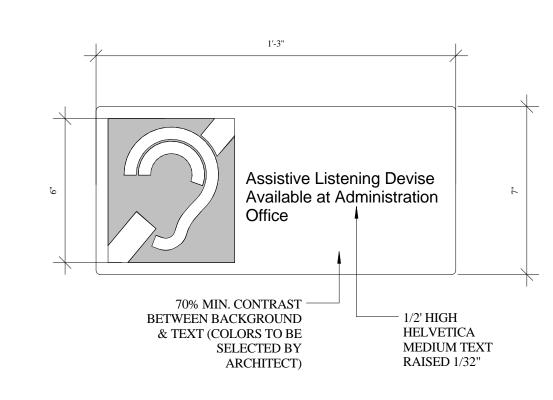
ADA SIGNAGE PLAN

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

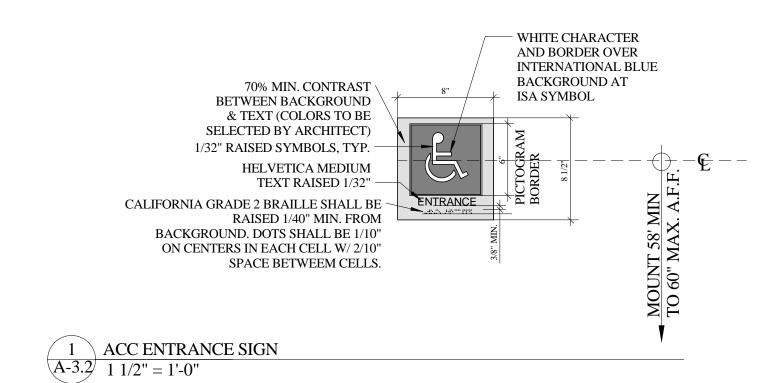
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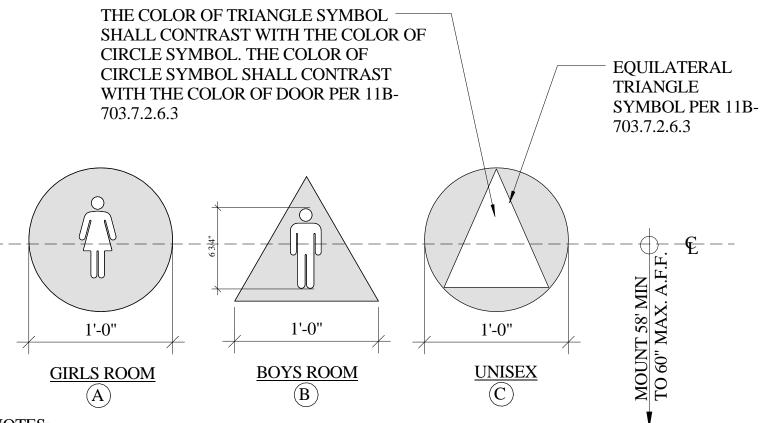
ale 1/8" = 1'-0"

2-1 3-1 4-1 5-1 6-1 7-1 8-1 9-1 10-1 12-1 ST0 14-1 CH 15-1 16-1 CS 17-1 18-1 19-1 20-1 INT	SIGN TEXT NTRANCE	MOUNT GLASS WALL	DETAIL REF.	COUNT	COMMENTS
2-1 3-1 4-1 5-1 6-1 7-1 8-1 9-1 10-1 12-1 ST0 14-1 CH 15-1 16-1 CS 17-1 18-1 19-1 20-1 INT	NTRANCE		1// 2.2		
2-1 3-1 4-1 5-1 6-1 7-1 8-1 9-1 10-1 12-1 ST0 14-1 CH 15-1 16-1 CS 17-1 18-1 19-1 20-1 INT	THE HIEL		1/ A-7 /	1	
3-1 4-1 5-1 6-1 7-1 8-1 9-1 10-1 12-1 ST 14-1 CH 15-1 16-1 CS 17-1 18-1 19-1 20-1 IN		. vv /\ i .i .	3/A-3.2	1	
4-1 5-1 6-1 7-1 8-1 9-1 10-1 12-1 ST0 14-1 CH 15-1 16-1 CS 17-1 18-1 19-1 20-1 INT		WALL	3/A-3.2	1	
5-1 6-1 7-1 8-1 9-1 10-1 12-1 ST0 14-1 CH 15-1 16-1 CS 17-1 18-1 19-1 20-1 IN		WALL	3/A-3.2	1	
6-1 7-1 8-1 9-1 10-1 12-1 ST0 14-1 CH 15-1 16-1 CS 17-1 18-1 19-1 20-1 INT		WALL	3/A-3.2	1	
7-1 8-1 9-1 10-1 12-1 ST0 14-1 CH 15-1 16-1 CS 17-1 18-1 19-1 20-1 INT		WALL	3/A-3.2	2	
8-1 9-1 10-1 12-1 ST0 14-1 CH 15-1 16-1 CS 17-1 18-1 19-1 20-1 INT		GLASS	3/A-3.2	1	
9-1 10-1 12-1 ST0 14-1 CH 15-1 16-1 CS 17-1 18-1 19-1 20-1 IN		WALL	3/A-3.2	1	
12-1 ST0 14-1 CH 15-1 16-1 CS 17-1 18-1 19-1 20-1 INT		WALL	3/A-3.2	1	
14-1 CH 15-1 16-1 CS 17-1 18-1 19-1 20-1 IN		WALL	1/A-3.2	1	
15-1 16-1 CS 17-1 18-1 19-1 20-1 IN 21-1 IN	ORAGE	WALL	3/A3.2	1	
16-1 CS 17-1 18-1 19-1 20-1 IN 21-1 IN	HILD SOCIAL SERVICES	WALL	3/A-3.2	2	
17-1 18-1 19-1 20-1 IN 21-1 IN		WALL	3/A-3.2	2	
18-1 19-1 20-1 IN 21-1 IN	SS-CONFERENCE RM.	WALL	3/A-3.2	2	
19-1 20-1 IN 21-1 IN		WALL	3/A-3.2	1	
20-1 IN 21-1 IN 21-1		WALL	3/A-3.2	1	
21-1 IN		WALL	3/A-3.2	1	
	TERVIEW ROOM 1	WALL	3/A-3.2	3	
	TERVIEW ROOM 2	WALL	3/A-3.2	1	
25-1		WALL	3/A-3.2	1	
26-1		WALL	3/A-3.2	1	
27-1		WALL	3/A-3.2	1	
28-1		WALL	3/A-3.2	1	
29-1		WALL	3/A-3.2	1	
31-1		WALL	3/A-3.2	1	
32-1		WALL	3/A-3.2	1	
33-1		WALL	3/A-3.2	1	
34-1		WALL	3/A-3.2	1	
36-1		WALL	3/A-3.2	1	
37-1 BR	REAK ROOM	WALL	3/A-3.2	1	
38-1 CO	ONFERENCE ROOM 1	WALL	3/A-3.2	1	
39-1		WALL	3/A-3.2	1	
40-1		WALL	3/A-3.2	1	
42-1		WALL	3/A-3.2	1	
46-1		WALL	3/A-3.2	3	
ALS-1		WALL	4/A-3.2	2	
	KIT ROUTE	WALL	3/A-3.2	12	
	ENEDER NEUTRAL RESTROOM	WALL	3/A-3.2	1	
	RCLE / TRIANGLE [PICTOGRAM]	DOOR	2/A-3.2	1	
	EN'S RESTOOM	WALL	3/A-3.2	1	
	RIANGLE [PICTOGRAM]	DOOR	2/A-3.2	1	
W-1 WC W-2 CIH	OMEN'S RESTROOM	WALL	3/A-3.2	1	



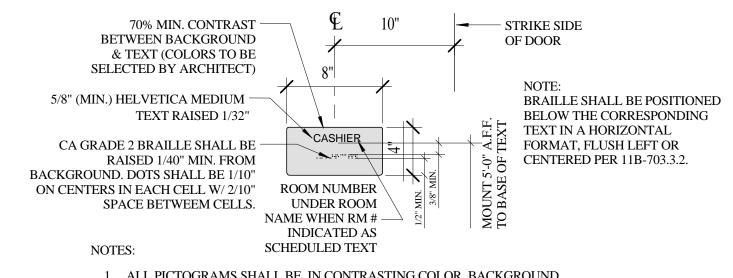




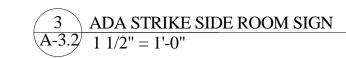


- 1. SIGNAGE TO BE 1/4" THICK.
- 2. ALL PICTOGRAMS SHALL BE IN CONTRASTING COLOR BACKGROUND ALL SURACES SHALL HAVE AN EGGSHELL FINISH TYP.
- 3. MOUNT ON DOORS W/NON STAINING ADHESIVE TYP.
- 4 CONFORM TO ALL APPLICABLE CODES.
- 5. POSITION ADDITIONAL ACCESSIBILITY SIGNAGE ON LATCH SIDE OF DOOR





- 1. ALL PICTOGRAMS SHALL BE IN CONTRASTING COLOR BACKGROUND 2. ALL SURACES SHALL HAVE AN EGGSHELL FINISH TYP.
- MOUNT ON WALL W/NON STAINING ADHESIVE TYP.
- 3. CONFORM TO ALL APPLICABLE CODES.
- 4. 11B-703.4.1 HEIGHT ABOVE FINISH FLOOR OR GROUND. TAC¬ TILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES (1219 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60 INCHES (1524 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS



ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

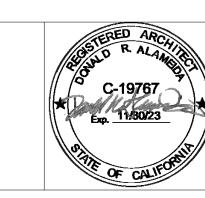
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PROJECT

TENANT **IMPROVENMENTS** FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT **SERVICES**

> 2420 6TH STREET EUREKA, CA



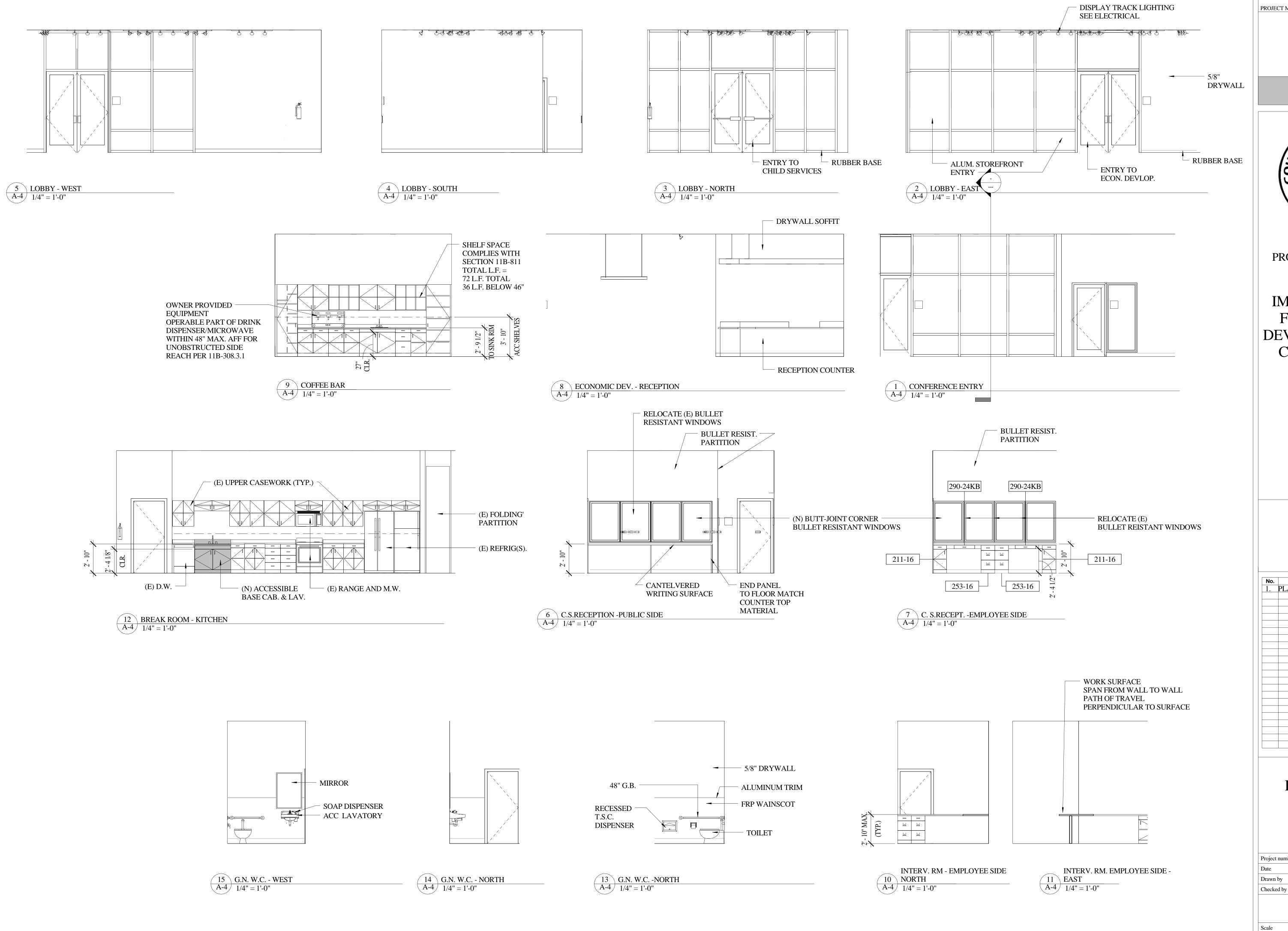
No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/2
	+	

SIGN SCHEDULE & **DETAILS**

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

A-3.2

As indicated



ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

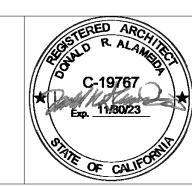
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PROJECT

TENANT **IMPROVENMENTS** FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT **SERVICES**

> 2420 6TH STREET EUREKA, CA

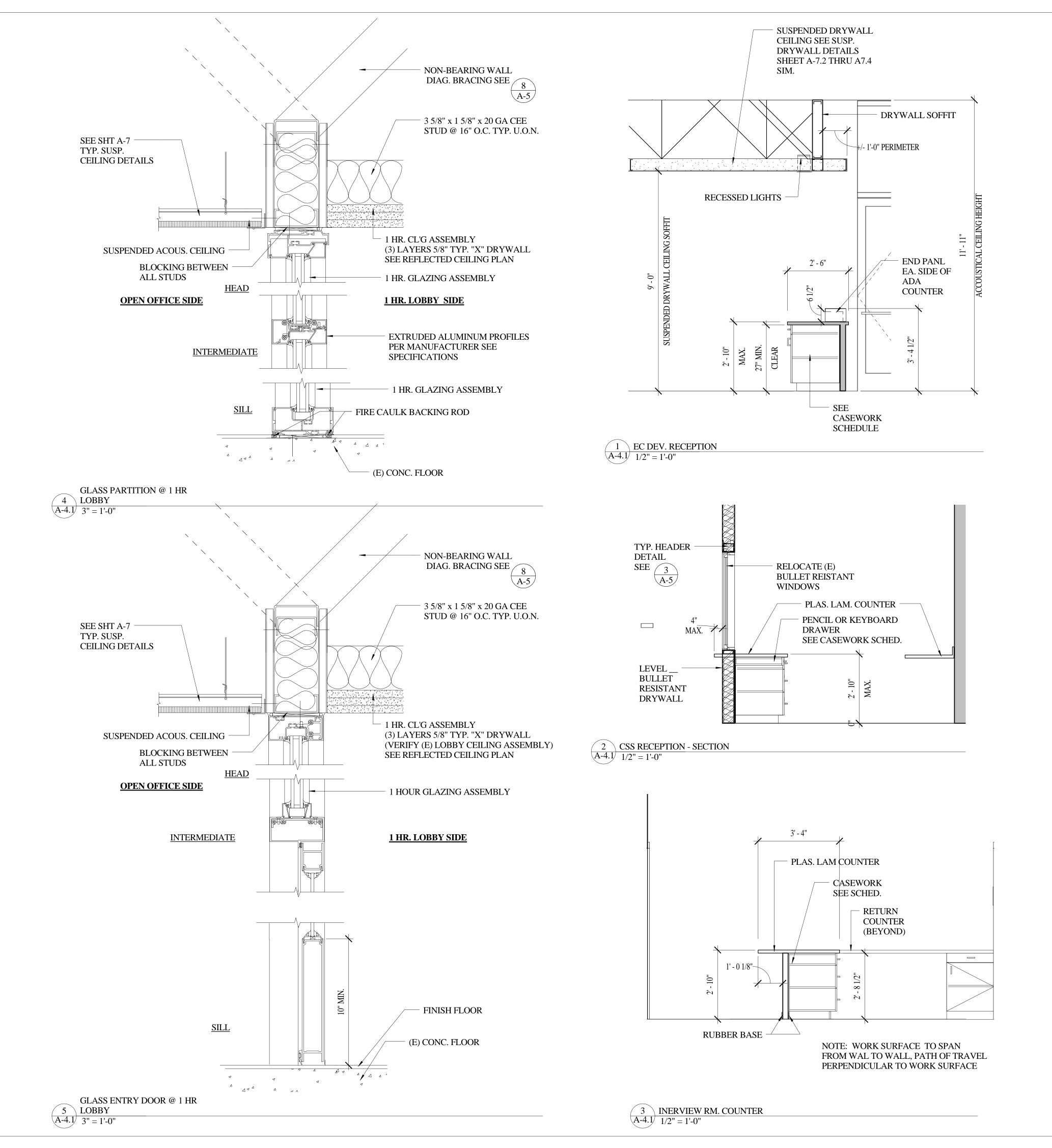


No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/22

INTERIOR ELEVEATIONS

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

A-4



ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

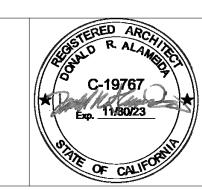
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PROJECT

TENANT
IMPROVENMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET EUREKA, CA



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/2

RECEPTION AND COUNTER SECTIONS

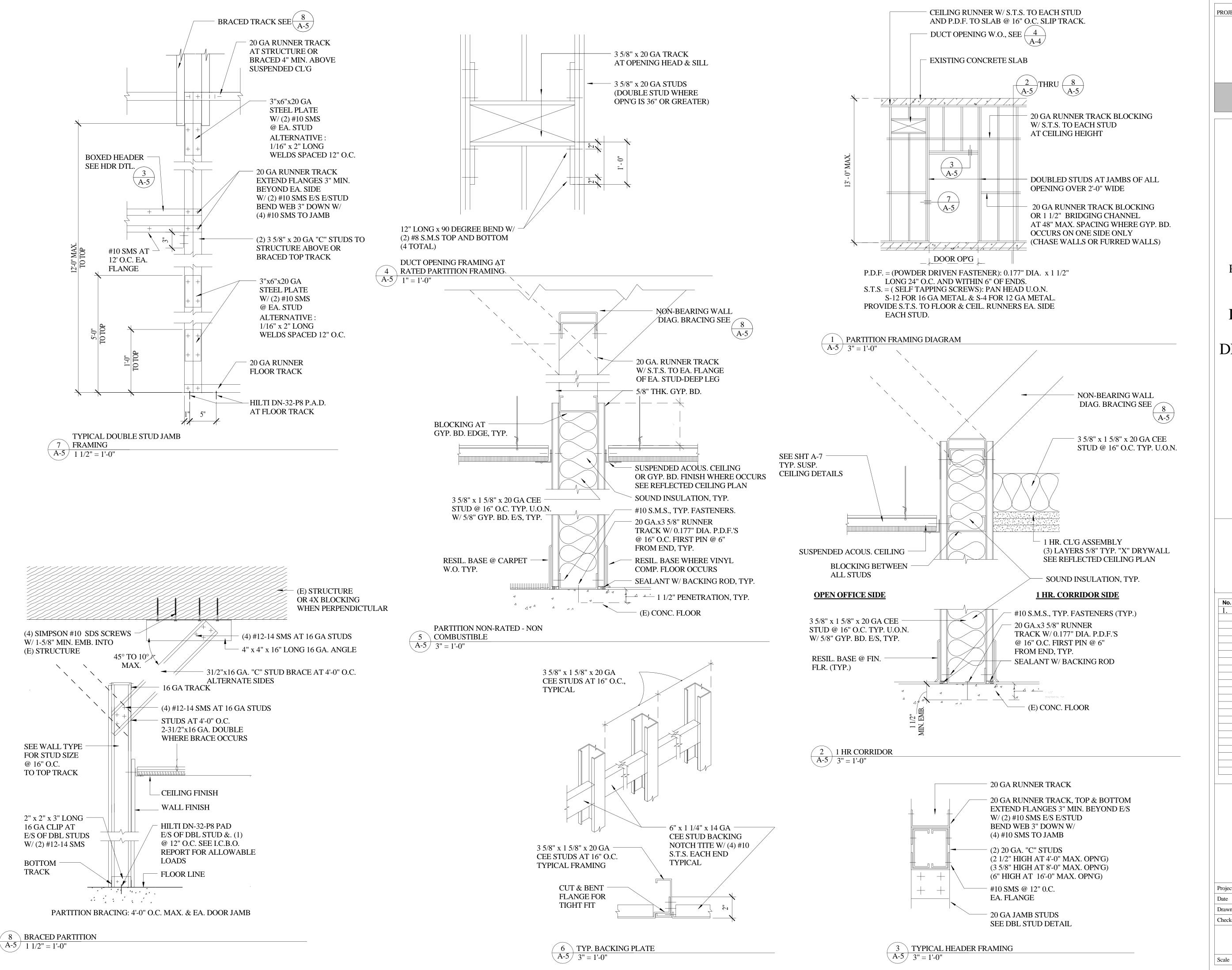
Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

A-4.1

Scale

As indicated

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ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

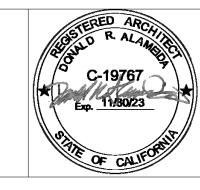
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PROJECT

TENANT
IMPROVENMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET EUREKA, CA



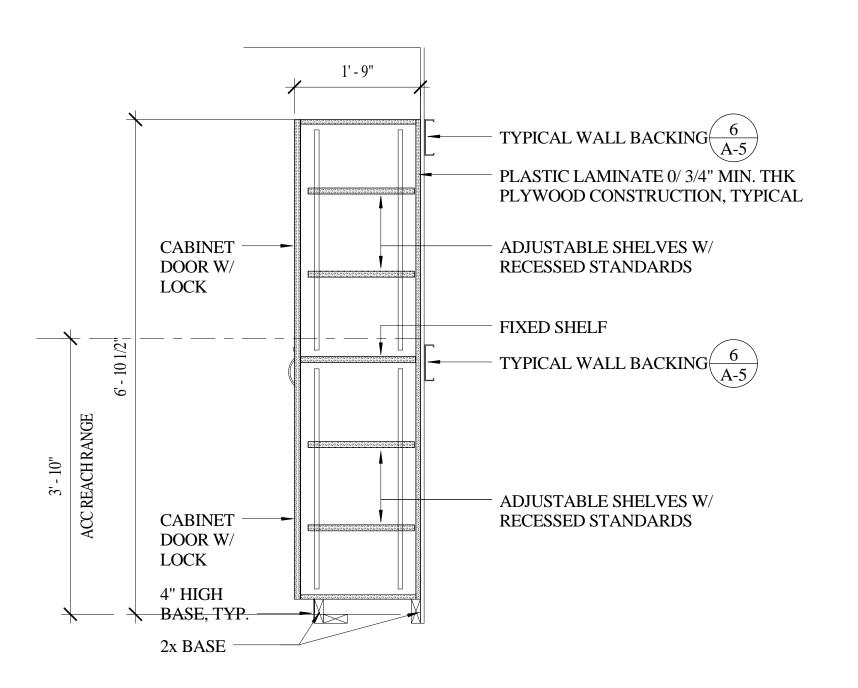
No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/2

TYPICAL METAL STUD PARTITION CONSTRUCTION

Project number	21
Date	5/8/
Drawn by	Auth
Checked by	Check

A-5

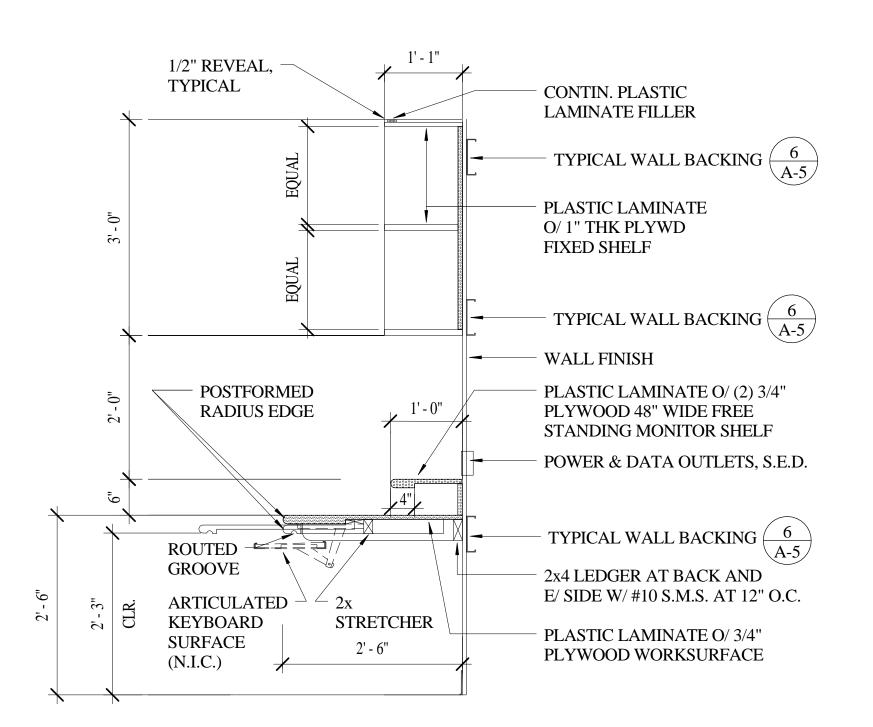
As indicated



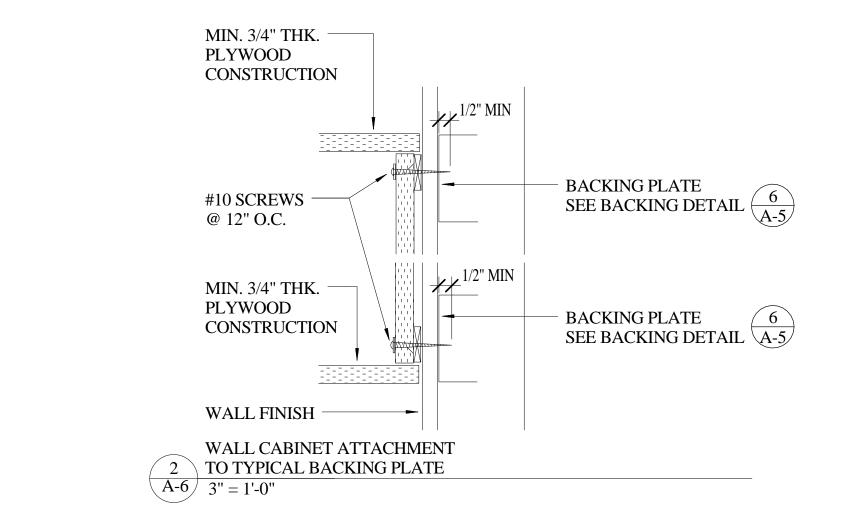
STORAGE ROOM TALL

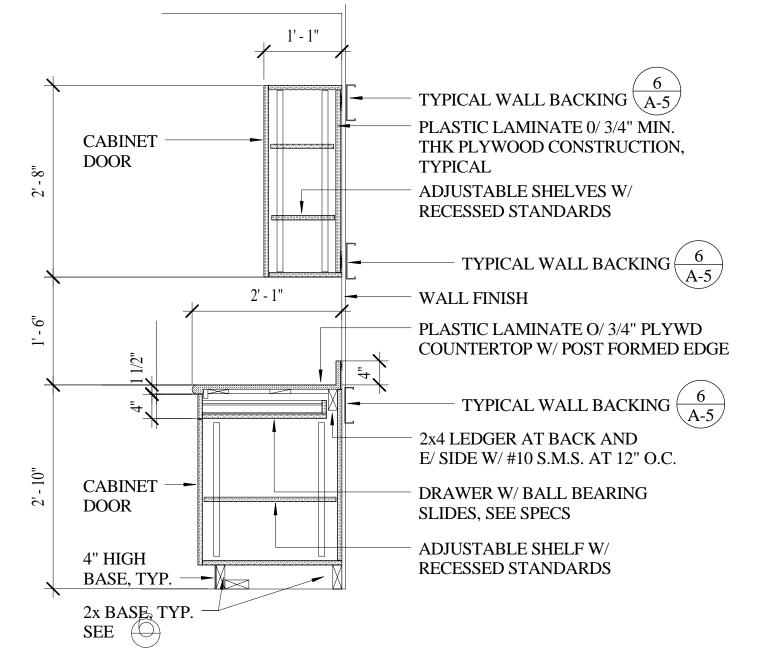
4 CABINETS W/ LOCKS

A-6 3/4" = 1'-0"



WORKSURFACE W/ WALL
SHELVING
A-6 3/4" = 1'-0"





TYPICAL BASE & WALL

CABINET W/ DRAWER & DOOR

A-6 3/4" = 1'-0"

PROJECT MANAGEMENT

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

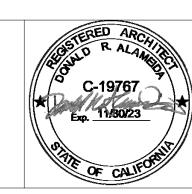
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PROJECT

TENANT
IMPROVENMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET EUREKA, CA



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/22
1.	PLAN CHECK COMMENTS	12/12/22
	1	

CASEWORK DETAILS

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

A-6

Scale

As indicated

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DN#		000	PHOTO	ROOM CONTROLS SEQUENCE OF OPEL OPERATING HOURS		AFTER HOURS	AUTOMATIO
RM. NO.	NAME	OCC SETPOINT	CELL SETPOINT	LIGHTING	RECEPTACLES	LIGHTING & RECEPT.	DEMAND RESPONSE
101	EXHIBIT / LOBBY	AUTO ON/OFF IN 20 MIN.	60 F.C.	OCC SENSOR TO 100% / 50% @ 15 MIN. UNOCCUPIED	N/A	SAME AS OPER. HRS	DIM. 50%
102	ECD CONF. 1	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OCC SENSOR TO 100% / 50% @ 15 MIN. UNOCCUPIED	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
103	ECD OFFICE 1	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
104	BREAK OUT 1	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	N/A	SAME AS OPER. HRS	DIM 20%
105	COPY 1	MANUAL ON/OFF IN 20 MIN.	60 F.C.	OCC SENSOR TO 100% / 50% @ 15 MIN. UNOCCUPIED	N/A	SAME AS OPER. HRS	N/A
106	EC DEV OPEN OFFICE	AUTO ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
06A	RECEPT.	AUTO ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OCC SENSOR TO 100% / 50% @ 15 MIN. UNOCCUPIED	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
06B	CAFE HALL	AUTO ON/ OFF IN 20 MIN.		OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	N/A	SAME AS OPER. HRS	N/A
107	ECD OFFICE 2	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
108	OFFICE	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
109	STORAGE	MANUAL ON/OFF IN 20 MIN.	60 F.C.	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	N/A	SAME AS OPER. HRS	DIM 20%
110	OFFICE	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
111	BREAKOUT 2	MANUAL ON/OFF IN 20 MIN.	60 F.C.	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
112	EXHIB. STOR.	MANUAL ON/OFF IN 20 MIN.	60 F.C.	ON OFF VIA OCC SENSOR	N/A	SAME AS OPER. HRS	N/A
113	W.C.	AUTO ON/ OFF IN 20 MIN.	N/A	ON OFF VIA OCC SENSOR	N/A	SAME AS OPER. HRS	N/A
120	VILLAGE	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
121	COLLABORA TION	MANUAL	75 F.C. AT WORKSUR FACE	ON OFF VIA OCC SENSOR /DAYLIGHT DIMMING	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
122	OFFICE	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
123	OFFICE	MANUAL ON/OFF IN 20 MIN. DIM VIA DAYLITGH T SENSOR	75 F.C. AT WORKSUR FACE	ON OFF VIA OCC SENSOR /DAYLIGHT DIMMING	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
124	OFFICE	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
124	CUST.	MANUAL ON/OFF IN 20 MIN.	60 F.C.	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	N/A	SAME AS OPER. HRS	N/A
127	OFFICE	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
128	OFFICE	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
129 130 131	OFFICE OFFICE CONFERENCE		75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
132 133	OFFICE STORAGE	MANUAL ON/OFF IN 20 MIN.	60 F.C.	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	N/A
134 135 136 137	OFFICE OPEN OFFICE OFFICE OFFICE						

DM		OCC	PHOTO CELL	OPERATING HOURS	I	AFTER HOURS	AUTOMATION DEMAND
RM. NO.	NAME	OCC SETPOINT	SETPOINT	LIGHTING	RECEPTACLES	LIGHTING & RECEPT.	RESPONSE
138	OFFICE						
139	OFFICE						
140	RECEPT.						
141	OFFICE						
142 143	OFFICE CORRIDOR	AUTO ON/OFF IN 20 MIN.	60 F.C.	OCC SENSOR TO 100% / 50% @ 15 MIN. UNOCCUPIED	N/A	OCC SENSOR TO 100% / OFF 20 MIN. NO OCCUPANTS	DIM. 50%
144	OFFICE	ZU WIIIN.				OCCULANTS	
145	OFFICE						
145	OFFICE						
147	OFFICE	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OCC SENSOR TO 100% / 50% @ 15 MIN. UNOCCUPIED	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
1.40	CTOD	ZU IVIIIN.	FACE				
148	STOR. BREAK RM.	MANUAL ON/OFF IN 20 MIN.	60 F.C.	OCC SENSOR TO 100% / 50% @ 15 MIN. UNOCCUPIED	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
161	CONFER. 1	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
162	CONF. STOR,	MANUAL ON/OFF IN 20 MIN.	60 F.C.	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	N/A	SAME AS OPER. HRS	DIM. 50%
164	MENS	AUTO ON/ OFF IN 20 MIN.	N/A	ON OFF VIA OCC SENSOR	N/A	SAME AS OPER. HRS	N/A
165	WOMENS	AUTO ON/ OFF IN 20 MIN.	N/A	ON OFF VIA OCC SENSOR	N/A	SAME AS OPER. HRS	N/A
166	LOUNGE	MANUAL ON/OFF IN 20 MIN.	60 F.C.	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
170	INFOR. SERVICES	EXISTING	EXISTING	EXISTING	EXISTING	SAME AS OPER. HRS	EXISTING
171	SYST. ANYLSIS	EXISTING	EXISTING	EXISTING	EXISTING	SAME AS OPER. HRS	EXISTING
172	TEL. RM	EXISTING	EXISTING	EXISTING	EXISTING	SAME AS OPER. HRS	EXISTING
173	SERVER	EXISTING	EXISTING	EXISTING	EXISTING	SAME AS OPER. HRS	EXISTING
174	EQ. STOR	EXISTING	EXISTING	EXISTING	EXISTING	SAME AS OPER. HRS	EXISTING
180	CORRIDOR	AUTO ON/ OFF IN 20 MIN.	60 F.C.	OCC SENSOR TO 100% / 50% @ 15 MIN. UNOCCUPIED	N/A	SAME AS OPER. HRS	DIM 20%
181	CORRIDOR	AUTO ON/ OFF IN 20 MIN.	60 F.C.	OCC SENSOR TO 100% / 50% @ 15 MIN. UNOCCUPIED	N/A	SAME AS OPER. HRS	DIM 20%
190	COPY/STOR.	MANUAL ON/OFF IN 20 MIN.	60 F.C.	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
191	OFFICE	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
192	OFFICE	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
194	HALL	AUTO ON/ OFF IN 20 MIN.	60 F.C.	OCC SENSOR TO 100% / 50% @ 15 MIN. UNOCCUPIED	N/A	SAME AS OPER. HRS	DIM 20%
195	INTERVIEW 1	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
196	INTERVIEW 2	MANUAL ON/OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
197	CSS LOBBY	AUTO ON/ OFF IN 20 MIN.	60 F.C.	ON OFF VIA OCC SENSOR /DAYLIGHT DIMMING	N/A	SAME AS OPER. HRS	DIM 20%
198	CSS CONFER.	MANUAL ON/OFF IN 20 MIN.	60 F.C.	OFF PER OCC SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%
199A	CSS RECEP.	AUTO ON/ OFF IN 20 MIN.	75 F.C. AT WORKSUR FACE	OCC SENSOR TO 100% / 50% @ 15 MIN. UNOCCUPIED	50 % P.M. CONTROLLED.	SAME AS OPER. HRS	DIM 20%

NOTE:
1. SCHEDULE TO DEMONSTRATE DESIRED PROGRAMMING , SEE DAYLIGHTING PLAN AND LEGEND FOR EQUIPMENT/DEVICES REQUIRED BY ROOM OR AREA

2. VERIFY SETPOINTS WITH THE OWNER

3. ALL LIGHTING CONTROL DEVICES TO BE CALIBRATED TO MEET SPECIFICATIONS AND CA TITLE 24 ENERGY AND CALGREEN STANDARDS

PROJECT MANAGEMENT

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

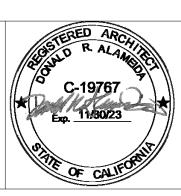
555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM



PROJECT

TENANT
IMPROVENMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET EUREKA, CA



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/

POWER & LIGHTING
CONTROLS
SEQUENCE OF
OPERATION

Project number	
Date	
Drawn by	
Checked by	

A-7

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GENERAL NOTES

1. CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING STANDARDS CODE (CBSC 2013).

THE CONTRACTOR SHALL NOTIFY OSHPD AND THE REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE CONSTRUCTION DRAWINGS AND ANY OTHER PORTION OF THE CONSTRUCTION DOCUMENTS. FIELD CONDITIONS, OR WHERE ANY CONDITIONS ARISE NOT COVERED BY THESE DOCUMENTS WHEREIN WORK WILL NOT COMPLY WITH CODE REQUIREMENTS.

3. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARD CODE, 2013 (CBSC 2013). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS WHEREIN THE WORK WILL NOT COMPLY WITH CBSC 2013. A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.

4. GALVANIZED METAL STUDS, TRACKS AND SHEET STEEL SHALL CONFORM TO ASTM A653-11 MATERIAL, OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN SECTION A2.1 OF THE AISI SI00-07/S2-10; NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS WITH SUPPLEMENT 2. DATED 2010. WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAGE) AND LIGHTER AND MINIMUM YIELD STRENGTH OF 50 KSI FOR HEAVIER GAGES

METAL STUDS AND TRACKS SHALL BE OF SIZE, THICKNESS AND SECTION PROPERTIES SHOWN ON TABLES 1-1, 1-2 AND 1-3 OF THE AISI MANUAL, COLD-FORMED STEEL DESIGN, 2008 EDITION. THE RDP IN RESPONSIBLE CHARGE SHALL OBTAIN OSHPD APPROVAL FOR ANY SUBSTITUTIONS

5. ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIÈLD ŚTRENGTH OF (Fy =) 30 KSI AND MINIMUM ULTIMATE STRENGTH OF (Fu =) 48 KSI.

6. THESE OPD REFER TO FASTENER TYPE AND SIZE BUT DO NOT SPECIFY OR ENDORSE A SPECIFIC MANUFACTURER. THE RDP IN RESPONSIBLE CHARGE SHALL SELECT A MANUFACTURER AND SELECTED FASTENER CAPACITIES SHALL MATCH OR EXCEED THE STRENGTHS LISTED HEREIN. THE FOLLOWING REQUIREMENTS SHALL ALSO BE MET:

- a. SHEET METAL SCREWS SHALL COMPLY WITH ASTM C 1513-10, ASME B18.6.4-98 (R2005) AND ICC-ES AC 118 AND ALLOWABLE STRENGTH SHALL BE BASED ON INFORMATION PROVIDED IN CL1.31 AND CL1.32. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE
- b. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES. FIELD WELDING SHALL HAVE SPECIAL INSPECTION IN ACCORDANCE WITH 2013 CBC SECTION 1705A.2.
- c. POST- INSTALLED ANCHORS (E.G. EXPANSION ANCHORS, SCREW ANCHORS AND POWER ACTUATED FASTENERS) SHALL HAVE SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH THE 2013 CBC SECTIONS 1705A.3 & 1913A.7. FOR QUALIFICATION, DESIGN AND USE OF POST-INSTALLED ANCHORS IN CONCRETE SEE THE 2013 CBC SECTIONS 1616A.1.19 AND 1908A.1.1. LISTING OF CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENER USED.
- d. POWER-ACTUATED FASTENERS (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP) AND SHOT PINS ALL REPRÈSENT THE SAME FASTENER AND WILL HÉREAFTER BE REFERRED TO ÀS PÓWER ACTUATED FASTENERS (PAF). PAF'S SHALL SATISFY THE CURRENT AC70-ACCEPTANCE CRITERIA FOR FASTENERS POWER-DRIVEN INTO CONCRETE, STEEL AND MASONRY ELEMENTS AND THE 2013 CBC SECTION 1908A.1.1. LISTING OF CURRENT ICC ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENERS USED.
- e. FOR PAF INSTALLED IN STEEL THE FASTENER PENETRATION SHALL HAVE THE ENTIRE POINTED END OF THE FASTENER DRIVEN THROUGH THE STEEL MEMBER, EXCEPT AS NOTED IN CURRENT REPORTS FROM TESTING AGENCIES ACCEPTABLE TO OSHPD.

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7. DESIGN CRITERIA

a. BUILDING CODE: 2013 CALIFORNIA BUILDING CODE (2013 CBC), ASCE 7-10, AISI S100-07/S2-10, ASTM E580-14, C635-13a, AND C636-13. FOR LOAD COMBINATIONS, ALLOWABLE STRESS DESIGN SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1605A.3.1.

- b. FASTENER CAPACITIES TABLES WERE DEVELOPED BASED ON ICC REPORTS BY SEVERAL MANUFACTURERS. c. THE DESIGN ASSUMES THAT BUILDING ELEMENTS AND SUPPORTS, TO WHICH THE COMPONENTS
- ADDRESSED IN THIS DOCUMENT ARE ANCHORED, HAVE SUFFICIENT CAPACITY TO CARRY THE LOADS IMPOSED BY THE COMPONENTS IN COMBINATION WITH ALL OTHER LOADS. EVALUATION OF THE CAPACITY OF THESE SUPPORTING BUILDING ELEMENTS IS BEYOND THE SCOPE OF THE OPD. d. THIS OPD IS LIMITED TO CEILING ASSEMBLIES HAVING MAXIMUM DEAD WEIGHT OF 4 PSF, INCLUDING LIGHTING
- FIXTURES (LUMINERIES) AND MECHANICAL SERVICES. EACH WEIGHING LESS THAN 56 LBS AND ATTACHED TO CEILING FRAMING SYSTEM. HEAVIER SYSTEM AND THOSE SUPPORTING LATERAL FORCES FROM PARTITION. WALLS ARE OUTSIDE THE SCOPE OF THIS OPD AND WILL REQUIRE PROJECT SPECIFIC DESIGN.
- 8. THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY THE FIRE RESISTENCE AND ACOUSTICAL RATINGS FOR ALL
- 9. "CEILING WIRE" SHALL CONFORM WITH GALVANIZED SOFT ANNEALED MILD STEEL WIRE AS DEFINED IN ASTM A641 (CLASS 1 COATING) WITH 70 KSI MINIMUM TENSILE STRENGTH:
- a. FOUR (4) TWISTS OF WIRE WITHIN 1.5" DEVELOPS THE ALLOWABLE LOAD FOR THE WIRE.
- b. THREE (3) TWISTS WITHIN 3" MAY BE USED TO DEVELOP THE MAXIMUM 50% OF ALLOWABLE LOAD.
- 10. SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635 AND E580 SECTION 5.1: a. THE CEILING GRID SYSTEM SHALL BE RATED HEAVY DUTY AS DEFINED BY ASTM C635.
- b. HANGER AND BRACING WIRES SHALL BE #12 GAGE (0.106" DIAMETER), SOFT ANNEALED, AND GALVANIZED
- STEEL WIRES WITH CLASS 1 COATING, THEY MAY BE USED FOR UP TO AND INCLUDING 4'-0"x 4'-0" GRID SPACING ALONG AND ATTACHED TO MAIN RUNNERS. SPLICES ARE NOT PERMITTED IN ANY HANGER WIRE c. MAIN RUNNERS AND CROSS RUNNERS ALONG WITH THEIR SPLICES, INTERSECTION CONNECTORS,
- AND EXPANSION DEVICES SHALL BE DESIGNED AND CONSTRUCTED TO CARRY A MEAN ULTIMATE TEST LOAD OF NOT LESS THAN 180 LBS. IN COMPRESSION & TENSION, IN ACCORDANCE WITH ASTM 580 SECTION 5.1.2.
- 11. SUSPENSION SYSTEM INSTALLATION, SHALL COMPLY WITH ASTM C636 AND E580 SECTION 5.2:
- a. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVÈR IS LESS, FOR THE PERIMETER OF THE CEILING AREA. PERÍMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.
- b. CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) ADJACENT WALLS, IN ACCORDANCE WITH ASTM E580 SECTION 5.2.3. CEILING GRID MEMBERS SHALL BE AT LEAST 3/4" INCH CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONAL TO THE CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE, AND A MINIMUM OF 3/4 INCH CLEAR OF WALL.
- c. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN TWO (2) INCHES. USE OF ANGLES WITH SMALLER WIDTHS IN CONJUNCTION WITH PERIMETER CLIPS SHALL REQUIRE AN ALTERNATE METHOD OF COMPLIANCE WITH ADEQUATE JUSTIFICATION AND ARE OUTSIDE THE SCOPE OF
- d. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING, A METAL STRUT OR A #16 GAGE WIRE WITH A POSITIVE MECHANICAL CONNECTION TO RUNNER MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS EIGHT (8) INCHES OR LESS, THIS INTERCONNECTION IS NOT REQUIRED

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12. EXPANSION JOINTS, SEISMIC SEPARATIONS, AND PENETRATIONS:

- a. EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS WITH LOBBIES OR OTHER SIMILAR AREAS.
- b. FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQ. FT.
- PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING SLEEVE OR ADAPTER THROUGH THE CELLING THE TO ALLOW EREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE ONE (1) INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE OR ADAPTER. SUCH FLEXIBLE SPRINKLER HOSE SHALL BE ADEQUATELY SUPPORTED FROM SOFFIT SO AS NOT TO EXCEED THE MAXIMUM TRIBUTARY WEIGHT OF THE CEILING.
- 13. LATERAL FORCE BRACING: LATERAL FORCE BRACING IS REQUIRED IN ACCORDANCE WITH THIS SECTION FOR ALL CEILING AREAS, UON.
- EXCEPTION: LATERAL FORCE BRACING MAY BE OMITTED FOR SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQ. FT. OR LESS, WHEN PERIMETER SUPPORT IN ACCORDANCE WITH ASTM E580 ARE PROVIDED AND PERIMETER WALLS ARE DESIGNED TO CARRY THE CEILING LATERAL FORCES.
- a. PROVIDE LATERAL-FORCE BRACING ASSEMBLIES CONSISTING OF A STRUT AND FOUR (4) #12 GAGE BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER.
- b. LATERAL-FORCE BRACING ASSEMBLIES SHALL BE SPACED IN ACCORDANCE WITH CL2.20 THROUGH CL2.22 AND CL2.30 FROM EACH WALL AND AT THE EDGES OF ANY CHANGE OF ELEVATION OF THE CEILING.
- c. THE SLOPE OF BRACING WIRES MAY BE FROM 10 TO 45 DEGREES BUT MAY NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND WIRES SHALL BE TAUT
- d. STRUTS SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES, AND SHALL NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB.
- 14. ATTACHMENT OF HANGER AND BRACING WIRES:
- a. FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS IN 3 INCHES. HANGER WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE
- b. FASTEN #12 BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2"
- :. HANGER OR BRACING WIRE ANCHORED TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE
- d. SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS,
- e. HANGER WIRES SHALL NOT BE ATTACHED TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMETARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS,
- HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB SHALL REQUIRE PROJECT
- g. WHEN DRILLED-IN CONCRETE ANCHORS OR PAF ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES, 1 OUT OF 10 WIRE/ ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 200 LBS. IN TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 WIRE/ANCHOR ASSEMBLIES SHALL BE FIELD ESTED FOR 440 LBS. IN TENSION IN THE DIRECTION OF THE WIRE. PAF IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.

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15. CEILING FIXTURES, TERMINALS, AND DEVICES:

- a. CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES. AIR TERMINALS/GRILLS. OR OTHER DEVICES (REFERRED TO ALL BY COMMON TERM FIXTURES HERE AFTER).
- b. ALL FIXTURES SHALL BE MOUNTED IN A MANNER THAT WILL NOT COMPROMISE CEILING PERFORMANCE. c. ALL FIXTURES SHALL BE ATTACHED TO THE SUSPENDED CEILING SYSTEM BY MECHANICAL MEANS, UNLESS INDEPENDENTLY SUPPORTED. THE ATTACHMENT DEVICE SHALL HAVE THE CAPACITY OF 100% OF FIXURE WEIGHT ACTING IN ANY DIRECTION. A MINIMUM OF TWO ATTACHMENT DEVICES ARE REQUIRED FOR EACH
- d. SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH POSITIVE CLAMPING DEVICES MADE OF MATERIAL WITH A MINIMUM 14 GAGE. A NO.12 GAUGE SAFETY WIRES SHALL BE ATTACHED BETWEEN THE CLAMPING DEVICE AND TO THE STRUCTURE ABOVE. IN NO CASE SHALL THE FIXTURES EXCEED THE DESIGN CAPACITY OF THE SUPPORTING MEMBERS.
- e. ALL LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE ONE NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY
- f. ALL FIXTURES WEIGHING GREATER THAN 10 LB BUT LESS THAN OR EQUAL TO 56 LB. SHALL HAVE TWO NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY
- g. ALL FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY APPROVED HANGERS
- h PENDENT-HUNG FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN NO. 9-GAUGE WIRE OR AN APPROVED ALTERNATE SUPPORT. THE CEILING SUSPENSION SYSTEM SHALL
- . ALL RECESSED OR DROP-IN FIXTURES SHALL BE SUPPORTED DIRECTLY FROM FIXTURE HOUSING TO THE STRUCTURE ABOVE WITH A MINIMUM OF TWO NO. 12 GAUGE WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS. LEVELLING OR POSITIONING OF FIXTURES MAY BE PROVIDED BY CEILING GRID. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW THE FIXTURE TO SEAT IN THE GRID SYSTEM. FIXTURES SHALL NOT RE SUPPORTED FROM MAIN RUNNERS OR CROSS RUNNERS IF THE WEIGHT OF THE FIXTURES CAUSES TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY OF THE CEILING SUSPENSION SYSTEM.

16. ADDITIONAL REQUIREMENTS:

- a. CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDE A DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM AN APPROVED TESTING AGENCY. THE COMPONENTS AND INSTALLATION DETAILS CONFORM IN EVERY RESPECT WITH THE LISTED DETAIL AND NUMBER. DETAILS SHALL CLEARLY DEPICT ALL COMPONENTS, INCLUDING INSULATION MATERIALS, FRAMING AND ATTACHMENT OF THE DESIGN SO THAT THE ASSEMBLY CAN BE CONSTRUCTED AND INSPECTED ACCORDINGLY. POP RIVETS. SCREWS. OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY APPROVED TESTING AGENCY.
- b. METAL AND OTHER PANELS: METAL PANELS AND PANELS WEIGHING MORE THAN 1/2 PSF, OTHER THAN MINERAL FIBER ACOUSTICAL TILE, ARE TO BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION RUNNERS.
- 2. BUILDING EXIT WAYS: CEILINGS IN EXIT WAYS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 13.5.6.2.2(1) OF ASCE 7-10 AS AMENDED BY 2013 CBC SECTION 1616A.1.20. SPLICES OR INTERSECTION OF RUNNERS SHALL BE ATTACHED WITH THROUGH CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES WITH END TABS OR OTHER APPROVED CONNECTORS.

ction Title: OSHPD STANDARD SUSPENDED CEILING DETAILS	OPD No:
eet Title: GENERAL NOTES - PAGE 4 OF 4	CL0.03

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Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS Sheet Title: SUSPENDED CEILING BRACING CL2.10 **ASSEMBLY** 05/11/2017 OPD-0002-13: Reviewed for Code Compliance by Karim Page 28 of 66

12 GA VERTICAL HANGERS AT

RUNNER WITH MINIMUM 3-TIGHT

TURNS IN 3" AT BOTH ENDS, SEE

10° TO 45° -

2. STRUTS SHALL NOT REPLACE HANGER WIRES

CROSS RUNNER -

1. SEE SUSPENDED CEILING NOTES #13 & #14 ON CL0.02

3. FOR CONDITIONS AT CORRIDOR SEE DRAWING NO. CL2.30

4'-0" O.C. EACH WAY AT MAIN

RIGID VERT. STRUT

SEE DET.

12 GA. BRACING WIRE W/MIN.

ENDS OF WIRE CONNECTED

TO MAIN RUNNERS 90°

APART, 4-TOTAL AT EACH

STRUT (U.N.O.) SEE

4-TIGHT TURNS IN 1 1/2" BOTH

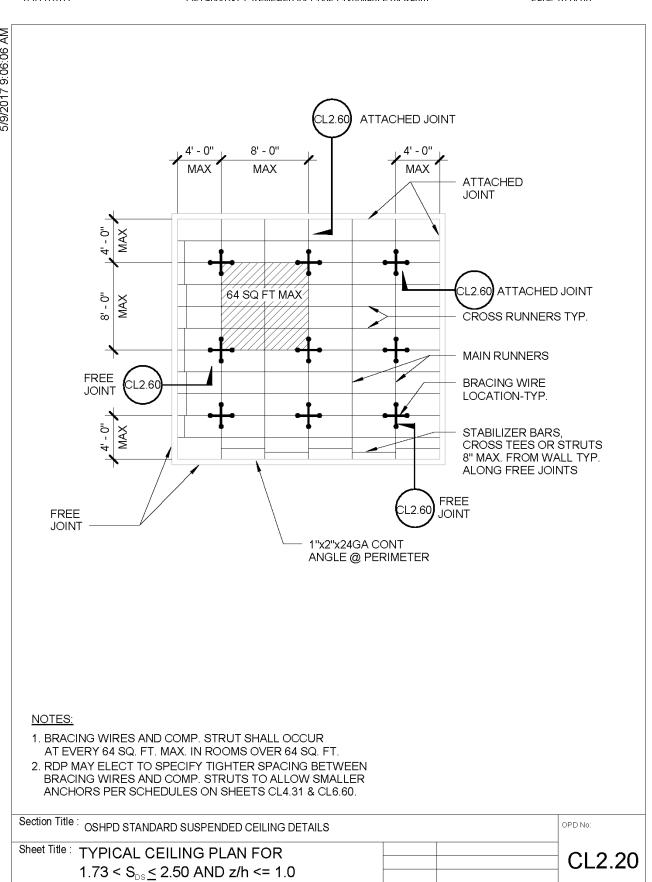
SEE DETAIL CL3.10 &

OF BRACING WIRES

AND STRUT

MAIN RUNNER

CL3.20 FOR LOCATION



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FOR CONNECTION TO

3/4" MIN. EDGE

DISTANCE, TYP.

MÁCHINE BOLT

CROSS RUNNER

HANGER WIRE

MAIN RUNNER

SECTION

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BEYOND -

(2) 1/4"DIA.

(CL5.10)

4'-0" OC

MAX

- STRUCTURE

400S137-33 (20 GA)

CENTERED OVER

CROSS RUNNER

BRACE WIRES

(CL4.10)

4 TIGHT TURNS

IN 1 1/2" TYP.

MAIN RUNNER

BRACE WIRE

CROSS RUNNER

CL3.10

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3/4" MIN.CLR

4'-0" MAX FROM FREE JOINT

TYP. HANGER

WIRE @ 4'-0" O.C.

WIRES PER CL2.10,

STRUT AND (4) BRACE

SPACING PER CL2.30

HANGER AT 4'-0" O.C

STEEL POP RIVET

EXPANSION JOINT

@ 4'-0" OC MAX

1"x2"x24GA

CONT ANGLE

CROSS

12'-0" MAX

ACCEPTABLE EXITWAY DETAILS

NOTES:

1. PERIMETER WALLS SHALL BE DESIGNED TO CARRY TRIBUTARY LATERAL FORCES PER TABLE

9.3 plf

CL2.20, CL2.21, AND CL2.22 SHALL BE PERMITTED IN LIEU OF DESIGNING PERIMETER WALLS FOR SEISMIC FORCES AND BRACING SYSTEM SHOWN ON PAGE CL2.30 AND THIS PAGE.

3. STEEL POP RIVET SHALL HAVE MINIMUM ALLOWABLE SHEAR STRENGTH OF 120# AND

BELOW. RDP TO VERIFY. RDP TO SPECIFY CONNECTION OF BACKING TO STUDS

RUNNER

EA. WAY AT MAIN

FOUR BRACING WIRE PER CL2.10

RUNNFR

BEYOND

SEE ,

MAX

SLOTTED AND

STRUCTURE SEE /

HANGER WIRE

3 TIGHT TURNS

COPE FLANGE OR FLATTEN TO ALLOW

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS Sheet Title: SUSPENDED ACOUSTICAL CEILING

8'-0" MAX

FROM ATTACHED JOINT

MAIN RUNNER

1"x2"x24GA CONT ANGLE W/

(1) #10 SMS INTO 20GA MIN

WALL STUD (24" OC MAX)

STEEL POP RIVET

@ 4'-0" OC MAX

SEE NOTE #1

ATTACHED JOINT

S_{DS} <u>≤</u> 1.15

ULTIMATE SHEAR STRENGTH OF 300#

CORRIDORS

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS

Sheet Title: TYPICAL CEILING SECTION AT EXITWAY

 $1.15 < S_{DS} \le 1.73$ 14.0 plf

 $1.73 < S_{DS} \le 2.50$ 20.9 plf

2. SEISMIC BRACING WIRES AND STRUTS IN ACCORDANCE WITH PAGES

TYP. HANGER

WIRE @ 4'-0" O.C.

CHANNEL TYPE STRUT

05/11/2017

8" MAX

INSTALLATION OF ACOUSTICAL TILE -

HANGER TYP.

IN 3" FOR

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CL2.50

TENANT

IMPROVENMENTS

FOR ECONOMIC

DEVELOPMENT AND

CHILD SUPPORT

SERVICES

EUREKA, CA

2420 6TH STREET

PROJECT MANAGEMENT

PROJECT

ALAMEIDA

ARCHITECTURE

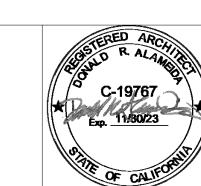
555 S. MAIN STREET, SUITE 2

SEBASTOPOL, CA 95472

(707) 824-1219

WWW.ALAMEIDA.COM

CONSTRUCTION MANAGEMENT

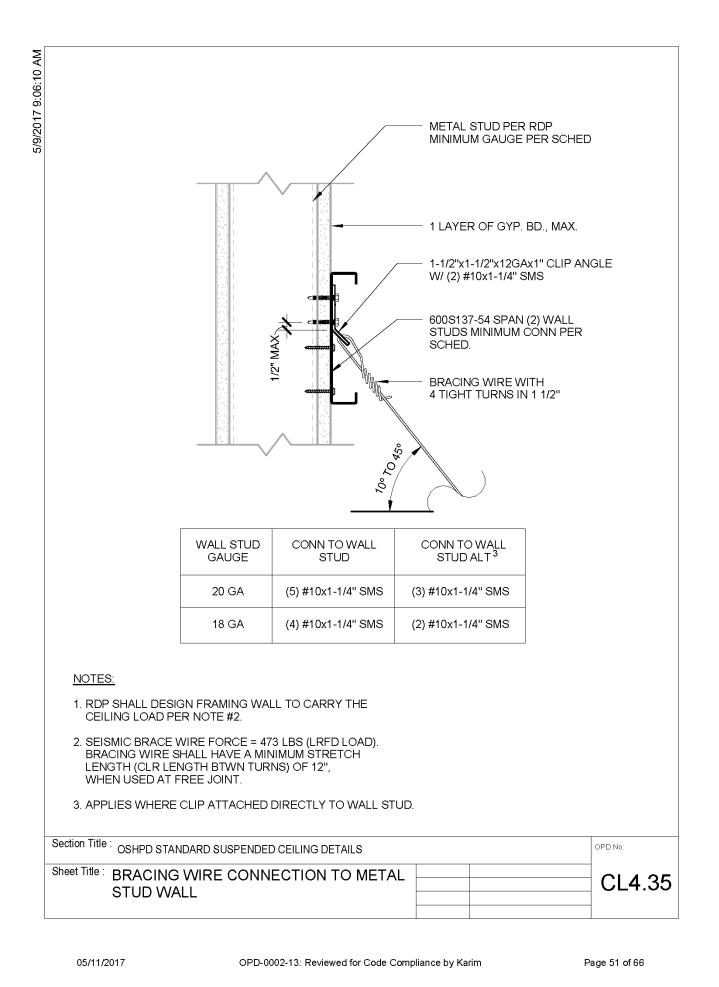


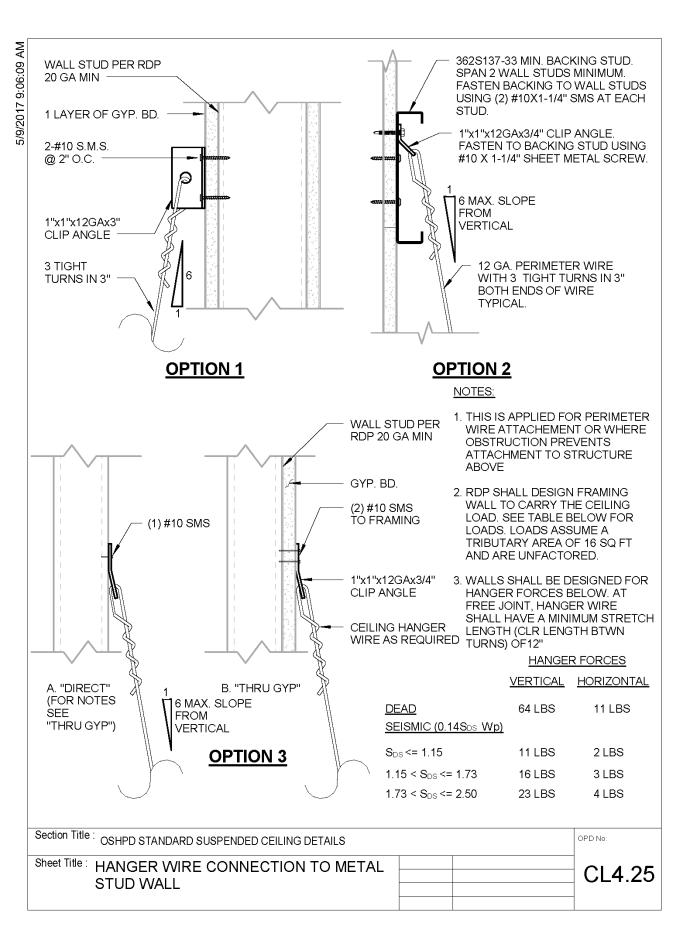
No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/2
	-	
	+	
	+	
	†	
	1	

SUSPENDED **CEILING LAYOUT** AND DETAILS

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

Scale

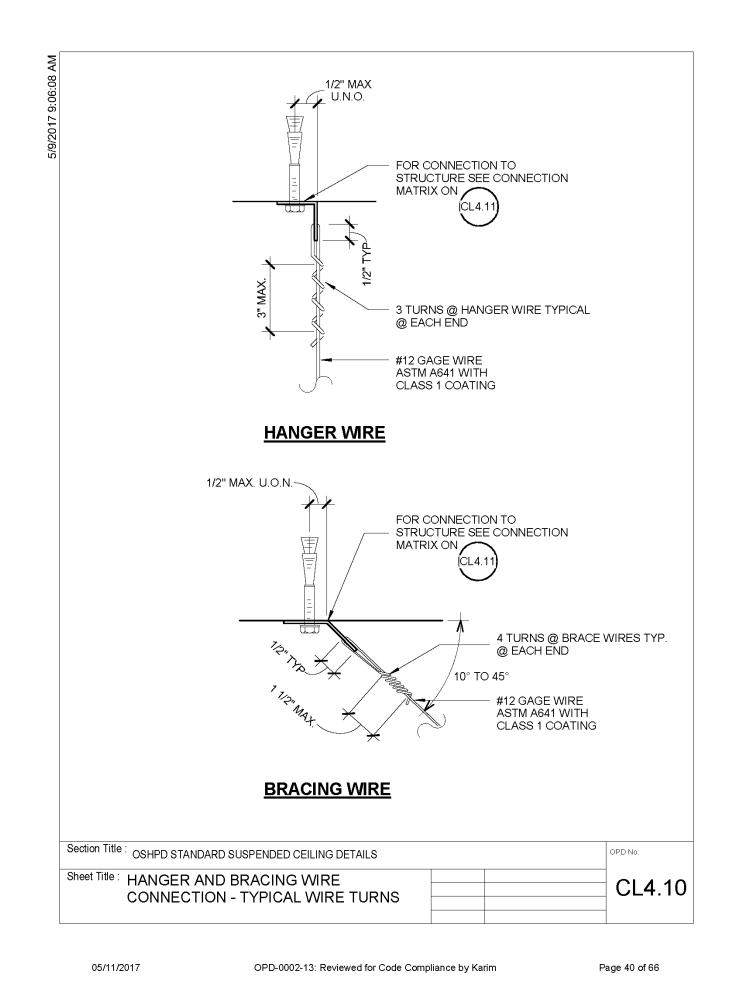


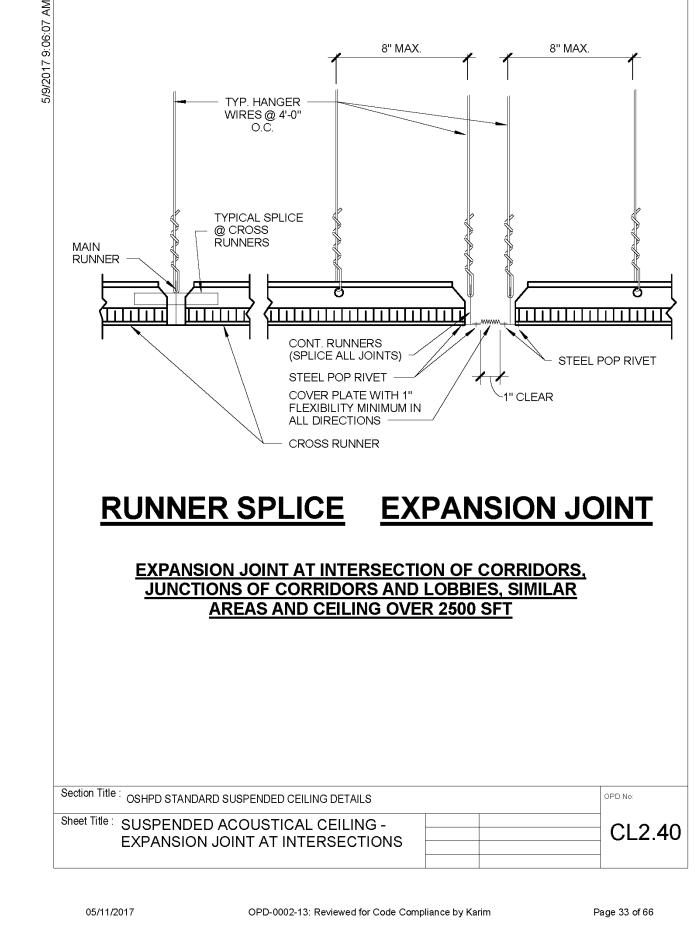


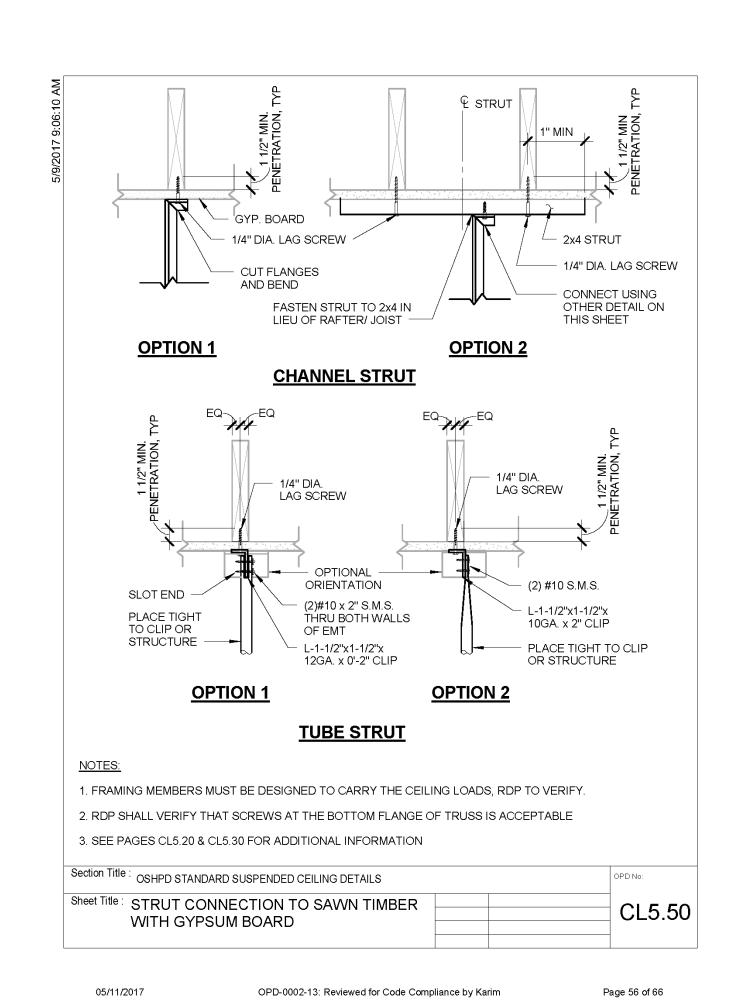
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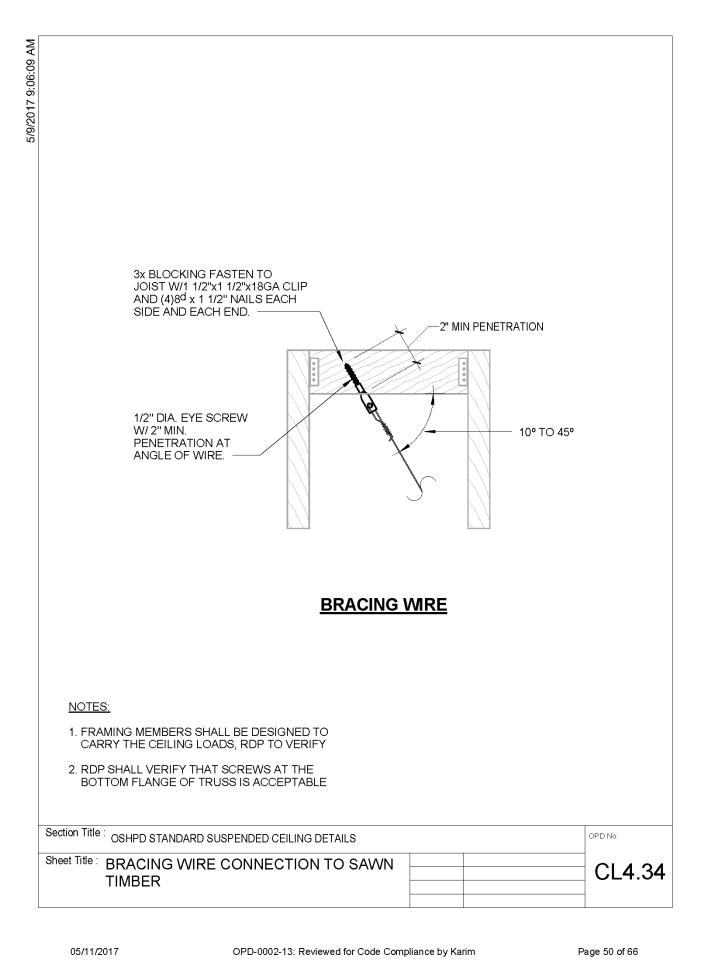
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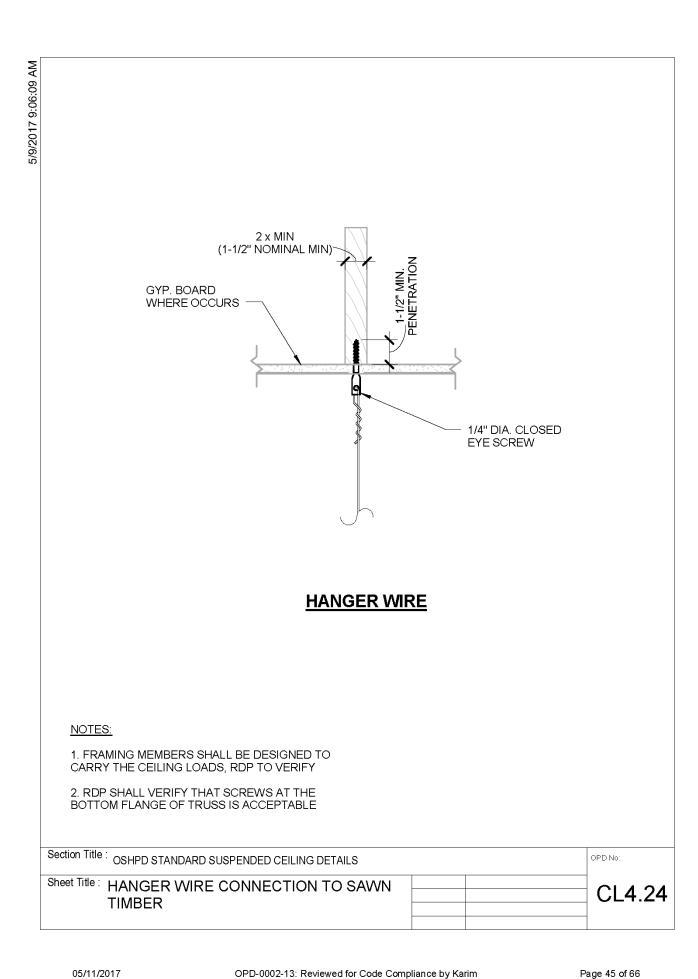
05/11/2017

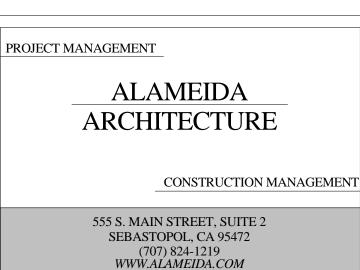










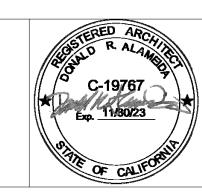




PROJECT

TENANT
IMPROVENMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET EUREKA, CA



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/2

SUSPENDED ACCOUSTICAL CEILING DETAILS

Project number	2108
Date	5/8/22
Drawn by	DRA
Checked by	DRA

A-7.1

Scale

/2/2023 4:54:55 PM

SUSPENDED GYP BOARD CEILING CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING THE CONTRACTOR SHALL NOTIFY OSHPD AND THE REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE CONSTRUCTION DRAWINGS AND ANY OTHER PORTION OF THE CONSTRUCTION DOCUMENTS, FIELD CONDITIONS, OR WHERE ANY CONDITIONS ARISE NOT COVERED BY THESE DOCUMENTS WHEREIN WORK WILL NOT COMPLY WITH CODE REQUIREMENTS. : THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARD CODE, 2013 (CBSC 2013). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS WHEREIN THE WORK WILL NOT COMPLY WITH CBSC 2013, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK. 4. GALVANIZED METAL STUDS, TRACKS AND SHEET STEEL SHALL CONFORM TO ASTM A653-11 MATERIAL, OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN SECTION A2.1 OF THE AISI SI00-07/S2-10; NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS WITH SUPPLEMENT 2, DATED 2010, WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAGE) AND LIGHTER AND MINIMUM YIELD STRENGTH OF 50 KSI FOR HEAVIER GAGES. METAL STUDS AND TRACKS SHALL BE OF SIZE, THICKNESS AND SECTION PROPERTIES SHOWN ON TABLES 1-1, 1-2 AND 1-3 OF THE AISI MANUAL, COLD-FORMED STEEL DESIGN, 2008 EDITION. THE RDP IN RESPONSIBLE CHARGE SHALL OBTAIN OSHPD APPROVAL FOR ANY SUBSTITUTIONS ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH OF (Fy =) 30 KSI AND MINIMUM ULTIMATE STRENGTH OF (Fu =) 48 KSI. 6. THESE OPD REFER TO FASTENER TYPE AND SIZE BUT DO NOT SPECIFY OR ENDORSE A SPECIFIC MANUFACTURER. THE RDP IN RESPONSIBLE CHARGE SHALL SELECT A MANUFACTURER AND SELECTED FASTENER CAPACITIES SHALL MATCH OR EXCEED THE STRENGTHS LISTED HEREIN. THE FOLLOWING REQUIREMENTS SHALL ALSO BE MET a. SHEET METAL SCREWS SHALL COMPLY WITH ASTM C 1513-10, ASME B18.6.4-98 (R2005) AND ICC-ES AC 118 AND ALLOWABLE STRENGTH SHALL BE BASED ON INFORMATION PROVIDED IN CG1.31 AND CG1.32. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS b. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES. FIELD WELDING SHALL HAVE SPECIAL INSPECTION IN ACCORDANCE WITH 2013 CBC SECTION 1705A.2.

c. POST- INSTALLED ANCHORS (E.G. EXPANSION ANCHORS, SCREW ANCHORS AND POWER ACTUATED FASTENERS) SHALL HAVE SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH THE 2013 CBC SECTIONS 1705A.3 & 1913A.7. FOR QUALIFICATION, DESIGN AND USE OF POST-INSTALLED ANCHORS IN CONCRETE SEE THE 2013 CBC SECTIONS 1616A.1.19 AND 1908A.1.1. LISTING OF CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENER

POWER-ACTUATED FASTENERS (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP) AND SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF) PAF'S SHALL SATISFY THE CURRENT AC70-ACCEPTANCE CRITERIA FOR FASTENERS POWER-DRIVEN INTO CONCRETE, STEEL AND MASONRY ELEMENTS AND THE 2013 CBC SECTIONS 1908A.1.1. LISTING OF CURRENT ICC ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENERS USED

FOR PAF INSTALLED IN STEEL THE FASTENER PENETRATION SHALL HAVE THE ENTIRE POINTED END OF THE FASTENER DRIVEN THROUGH THE STEEL MEMBER, EXCEPT AS NOTED IN CURRENT REPORTS FROM TESTING AGENCIES ACCEPTABLE TO OSHPD.

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title: GYP-BOARD SUSPENDED CEILING PAGE 1 OF 5	CG0.00

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a. BUILDING CODE: 2013 CALIFORNIA BUILDING CODE (2013 CBC), ASCE 7-10, AISI S100-07/S2-10, AND ASTM C754-11. FOR LOAD COMBINATIONS, ALLOWABLE STRESS DESIGN SHALL BE IN ACCORDANCE WITH 2013 CBC

b. FASTENER CAPACITIES TABLES WERE DEVELOPED BASED ON ICC REPORTS BY SEVERAL MANUFACTURERS.

THE DESIGN ASSUMES THAT BUILDING ELEMENTS AND SUPPORTS, TO WHICH THE COMPONENTS ADDRESSED IN THIS DOCUMENT ARE ANCHORED, HAVE SUFFICIENT CAPACITY TO CARRY THE LOADS IMPOSED BY THE COMPONENTS IN COMBINATION WITH ALL OTHER LOADS. EVALUATION OF THE CAPACITY OF THESE SUPPORTING BUILDING ELEMENTS IS BEYOND THE SCOPE OF THE OPD.

d. THIS OPD IS LIMITED TO CEILING ASSEMBLIES HAVING MAXIMUM DEAD WEIGHT OF 4 PSF, INCLUDING LIGHTING FIXTURES (LUMINERIES) AND MECHANICAL SERVICES, EACH WEIGHING LESS THAN 56 LBS AND ATTACHED TO CEILING FRAMING SYSTEM, HEAVIER SYSTEM AND THOSE SUPPORTING LATERAL FORCES FROM PARTITION WALLS ARE OUTSIDE THE SCOPE OF THIS OPD AND WILL REQUIRE PROJECT SPECIFIC DESIGN.

8. THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY THE FIRE RESISTENCE AND ACOUSTICAL RATINGS FOR ALL CEILING ASSEMBLIES.

9. "CEILING WIRE" SHALL CONFORM WITH GALVANIZED SOFT ANNEALED MILD STEEL WIRE AS DEFINED IN ASTM A641 (CLASS 1 COATING) WITH 70 KSI MINIMUM TENSILE STRENGTH:

a. FOUR (4) TWISTS OF WIRE WITHIN 1.5" DEVELOPS THE ALLOWABLE LOAD FOR THE WIRE.

b. THREE (3) TWISTS WITHIN 3" MAY BE USED TO DEVELOP THE MAXIMUM 50% OF ALLOWABLE LOAD.

10. SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C754:

a. MAIN RUNNNERS SHALL CONSIST OF 16 GAGE 1-1/2" COLD ROLLED U-CHANNEL 150U050-54 SPACED AT 4'-0" OC MAX. MAIN RUNNERS SHALL BE SUPPORTED BY HANGER WIRES AT 4'-0" OC MAX AND WITHIN 6" FROM EA END.

b. FURRING CHANNEL SHALL CONSIST OF 25 GAGE 7/8" (HAT) FURRING CHANNELS (087E125-18) at 2'-0" OC MAX. FURRING CHANNELS SHALL BE SADDLE TIED TO MAIN RUNNERS WITH 16 GAGE TIE WIRE OR A DOUBLE STRAND OF 18 GAGE TIE WIRE.

c. MAIN RUNNERS SHALL BE SPLICED BY LAPPING IN ACCORDANCE WITH CG2.31.

d. FURRING CHANNELS SHALL BE SPLICED BY LAPPING IN ACCORDANCE WITH CG2.31.

e. MAIN RUNNERS AND FURRING CHANNELS ALONG WITH THEIR SPLICES, INTERSECTION CONNECTORS. AND EXPANSION DEVICES SHALL BE DESIGNED AND CONSTRUCTED TO CARRY A MEAN ULTIMATE TEST LOAD OF NOT LESS THAN 270 LBS. IN COMPRESSION & TENSION.

. HANGER AND BRACING WIRES SHALL BE #12 GAGE (0.106" DIAMETER), SOFT ANNEALED, AND GALVANIZED STEEL WIRES WITH CLASS 1 COATING. THEY MAY BE USED FOR UP TO AND INCLUDING 4-0" X 4-0" GRID SPACING ALONG AND ATTACHED TO MAIN RUNNERS. SPLICES ARE NOT PERMITTED IN ANY HANGER WIRE.

g. WIRE HANGERS SHALL BE SADDLE-TIED AROUND MAIN RUNNERS SO AS TO PREVENT TURNING OR TWISING OF

11. SUSPENSION SYSTEM INSTALLATION SHALL COMPLY WITH ASTM C754:

a. CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) ADJACENT WALLS. MAIN RUNNERS AND FURRING CHANNEL SHALL BE AT LEAST 1 INCH CLEAR OF OTHER WALL. IF WALLS RUN DIAGONAL TO THE CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN RUNNER AND FURRING SHOULD BE FREE WITH STANDARD CLEARANCES.

b. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN TWO (2) INCHES. USE OF ANGLES WITH SMALLER WIDTHS IN CONJUNCTION WITH PERIMETER CLIPS SHALL REQUIRE AN ALTERNATE METHOD OF COMPLIANCE WITH ADEQUATE JUSTIFICATION AND ARE OUTSIDE THE SCOPE OF

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS		OPD No:
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OPD-0003-13: Reviewed for Code Compliance by Karim Page 26 of 75 12. EXPANSION JOINTS, SEISMIC SEPARATIONS, AND PENETRATIONS: a. EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS WITH LOBBIES OR OTHER SIMILAR AREAS. b. FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQ. FT. PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH

OVERSIZED RING. SLEEVE OR ADAPTER THROUGH THE CELLING TILE TO ALLOW FREE MOVEMENT OF ONE (1). INCH IN ALL HORIZONTAL DIRECTIONS. A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE ONE 1) INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE OR ADAPTER. SUCH FLEXIBLE SPRINKLER HOSE SHALL BE ADEQUATELY SUPPORTED FROM SOFFIT SO AS NOT TO EXCEED THE MAXIMUM TRIBUTARY WEIGHT OF THE CEILING. 13. LATERAL FORCE BRACING: LATERAL FORCE BRACING IS REQUIRED IN ACCORDANCE WITH THIS SECTION FOR ALL CEILING AREAS, UON.

EXCEPTION: LATERAL FORCE BRACING MAY BE OMITTED FOR SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQ. FT. OR LESS, WHEN PERIMETER SUPPORT ARE PROVIDED AND PERIMETER WALLS ARE DESIGNED TO CARRY THE CEILING LATERAL FORCES

a. PROVIDE LATERAL-FORCE BRACING ASSEMBLIES CONSISTING OF A STRUT AND FOUR (4) #12 GAGE BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER. b. LATERAL-FORCE BRACING ASSEMBLIES SHALL BE SPACED IN ACCORDANCE WITH CG2.20 THROUGH CG2.22

AND CG2.30 FROM EACH WALL AND AT THE EDGES OF ANY CHANGE OF ELEVATION OF THE CEILING. THE SLOPE OF BRACING WIRES MAY BE FROM 10 TO 45 DEGREES BUT MAY NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND WIRES SHALL BE TAUT.

d. STRUTS SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES, AND SHALL NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB.

14. ATTACHMENT OF HANGER AND BRACING WIRES:

a. FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS IN 3 INCHES, HANGER WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBER WITHIN THE LOOPS.

b. FASTEN #12 BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2"

:. HANGER OR BRACING WIRE ANCHORED TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT

d. SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS,

THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.

. HANGER WIRES SHALL NOT BE ATTACHED TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMETARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS

f. HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB SHALL REQUIRE PROJECT SPECIFIC DESIGN.

g. WHEN DRILLED-IN CONCRETE ANCHORS OR PAF ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES, 1 OUT OF 10 WIRE/ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 200 LBS. IN TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 WIRE/ ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 440 LBS. IN TENSION IN THE DIRECTION OF THE WIRE. PAF IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.

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#10 SMS @ EA

- HANGER WIRES

CHANNEL

#10 SMS @ EA

MAIN RUNNER

#10 SMS @ EA

20GA MIN WALL

STUD (24" OC MAX)

RUNNER

- FURRING

CHANNEL

#10 SMS @ EA

ANGLE. TYP

1. PERIMETER WALLS SHALL BE DESIGNED TO CARRY TRIBUTARY

2. WHEN GYPSUM BOARD IS TO BE APPLIED TO BOTH CEILING

LATERAL FORCES PER TABLE BELOW. RDP TO VERIFY. RDP TO

AND WALLS, GYPSUM BOARD SHALL BE APPLIED FIRST TO THE

CEILING AND THEN TO WALLS IN ACCORDANCE WITH ASTM C840.

1"x2"x24GA CONT

- #10 SMS @ EA 20GA MIN

ANGLE, TYP

- 1"x2"x24GA CONT

20GA MIN WALL

STUD (24" OC MAX)

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS

5 OF 5

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Sheet Title: GYP-BOARD SUSPENDED CEILING PAGE

MAX

ATTACHED JOINT

ATTACHED JOINT

SPECIFY CONNECTION OF BACKING TO STUDS

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS

Sheet Title: CEILING PERIMETER

17. GYPSUM BOARD INSTALLATION SHALL COMPLY WITH ASTM C840-11:

IN ACCORDANCE WITH ASTM C840-11.

a. GYPSUM BOARD SHALL CONSIST OF SINGLE-PLY 1/2" OR 5/8" THICK IN ACCORDANCE WITH ASTM C11-10a.

c. GYPSUM BOARD SHALL BE ATTACHED TO FURRING/FRAMING WITH ASTM C1002-07 TYPE S (ASTM A568-11b

GRADES 1018 TO 1022) SCREWS (NOT LESS THAN, NO. 6, WITH MAJOR DIAMETER NOT LESS THAN 0.136 IN).

b. GYPSUM BOARD SHALL BE INSTALLED PERPENDICULAR TO FURRING WITH SCREWS AT 12" ON CENTER MAXIMUM,

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SADDLE TIES

NO CONNECTION

FREE SIDE

WIRE

SADDLE TIE

PER CG2.32

NO CONNECTION

FREE SIDE -

BETWEEN ANGLE AND

FURRING CHANNEL AT

WALL STUD (24" OC MAX) NOTE: FOR CONN. TO WALL, SEE ATTACHED JOINT.

BETWEEN ANGLE AND

FURRING CHANNEL AT

NOTE: FOR CONN. TO WALL, SEE ATTACHED JOINT.

FREE JOINT

FREE JOINT

 $\mathsf{S}_{\scriptscriptstyle \mathsf{DS}}$ (g)

S_{DS} ≤ 1.15 9.3 plf

 $1.15 < DS \le 1.73$ | 14.0 plf

 $1.73 < S_{DS} \le 2.50$ | 20.9 plf

PER CG2.32 -

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__3" MAX

1" CLR

CG0.04

OPD No:

05/11/2017

4. FOR MAIN RUNNER AND FURRING CHANNEL SPLICE CONNECTIONS, SEE CG2.31

12 GA VERTICAL HANGERS AT

4'-0" O.C. EACH WAY AT MAIN

RUNNER WITH MINIMUM (3)

TIGHT TURNS IN 3" AT BOTH

ENDS OF WIRE, SEE

ATTACH GYP BOARD TO

TYPE S SCREWS WITH

NOTES:

CORROSION RESISTENT

ASSEMBLY

TREATMENT @ 12" OC MAX.

1. SEE GENERAL NOTES #13 & #14 ON CG0.02

2. STRUTS SHALL NOT REPLACE HANGER WIRES.

ection Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS

heet Title: SUSPENDED CEILING BRACING

3. FOR CONDITIONS AT CORRIDOR SEE DRAWING NO. CG2.30

FURRING WITH ASTM C1002

SADDLE-TIED FURRING CHANNEL

2) STRANDS OF 18GA WIRE OR

O MAIN RUNNERS WITH

I) STRAND OF 16GA WIRE.

12GA BRACING WIRE WITH

MAIN RUNNER

150U050-54 @ 4'-0" OC

FURRING CHANNEL

087F125-18 @ 24" OC

1/2" OR 5/8" GYPSUM BOARD

PERPENDICULAR TO FURRING

CG2.10

4) TOTAL AT EA STRU

MINIMUM 4 TIGHT TURNS IN

1-1/2" AT BOTH ENDS OF WIRE, TYP

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5. CEILING FIXTURES, TERMINALS, AND DEVICES:

a. ALL LIGHT FIXTURES, AIR TERMINALS/GRILLS, OR OTHER DEVICES (REFERRED TO ALL BY COMMON TERM FIXTURES HEREAFTER) SHALL BE MOUNTED IN A MANNER THAT WILL NOT COMPROMISE CEILING PERFORMANCE.

b. ALL FIXTURES SHALL BE SUPPORTED DIRECTLY BY MAIN RUNNERS OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED BY MAIN RUNNERS AND POSITIVELY ATTACHED WITH SCREWS OR OTHER APPROVED

c. SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO A MAIN RUNNER WITH A POSITIVE CLAMPING DEVICE MADE OF MATERIAL WITH A MINIMUM OF 14 GAGE. ROTATIONAL SPRING CLAMPS DO NOT COMPLY.

d. ACCESS PANELS: ACCESS TO THE SPACE BETWEEN THE CEILING AND THE FLOOR OR ROOF ABOVE SHALL NOT BE ALLOWED. SMALL ACCESS PANELS FOR THE INSPECTION, ADJUSTMENT, OR REPAIR OF UTILITY SWITCHES, VALVES, SENSORS, ETC. MAY BE ALLOWED IF THE PANEL IS LESS THAN 300 SQUARE INCHES. SUCH PANELS SHALL ALSO HAVE A PERMANENT WARNING LABEL AS FOLLOWS:

WARNING: 1. DO NOT CLIMB, WALK, OR CRAWL ON THE GYPSUM BOARD CEILING. 2. DO NOT STORE OR STOW ANYTHING ON THE GYPSUM BOARD CEILING.

e. ALL LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE ONE NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY

f. ALL FIXTURES WEIGHING GREATER THAN 10 LB BUT LESS THAN OR EQUAL TO 56 LB. SHALL HAVE TWO NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.

g. ALL FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY APPROVED HANGERS.

h. PENDENT-HUNG FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN NO. 9-GAUGE WIRE OR AN APPROVED ALTERNATE SUPPORT. THE CEILING SUSPENSION SYSTEM SHALL NOT PROVIDE ANY DIRECT SUPPORT.

ALL RECESSED OR DROP-IN FIXTURES SHALL BE SUPPORTED DIRECTLY FROM FIXTURE HOUSING TO THE STRUCTURE ABOVE WITH A MINIMUM OF TWO NO. 12 GAUGE WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS. LEVELLING OR POSITIONING OF FIXURES MAY BE PROVIDED BY CEILING GRID. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW THE FIXTURE TO SEAT IN THE GRID SYSTEM. FIXTURES SHALL NOT BE SUPPORTED FROM MAIN RUNNERS OR FURRING CHANNELS IF THE WEIGHT OF THE FIXTURES CAUSES TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY OF THE CEILING SUSPENSION SYSTEM.

16. CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDE A DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM AN APPROVED TESTING AGENCY. THE COMPONENTS AND INSTALLATION DETAILS SHALL CONFORM IN EVERY RESPECT WITH THE LISTED DETAIL AND NUMBER. DETAILS SHALL CLEARLY DEPICT ALL COMPONENTS, INCLUDING INSULATION MATERIALS, FRAMING AND ATTACHMENT OF THE DESIGN SO THAT THE ASSEMBLY CAN BE CONSTRUCTED AND INSPECTED ACCORDINGLY. POP RIVETS, SCREWS, OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY

section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS		OPD No:
theet Title: GYP-BOARD SUSPENDED CEILING PAGE 4 OF 5		CG0

05/11/2017 OPD-0003-13: Reviewed for Code Compliance by Karim

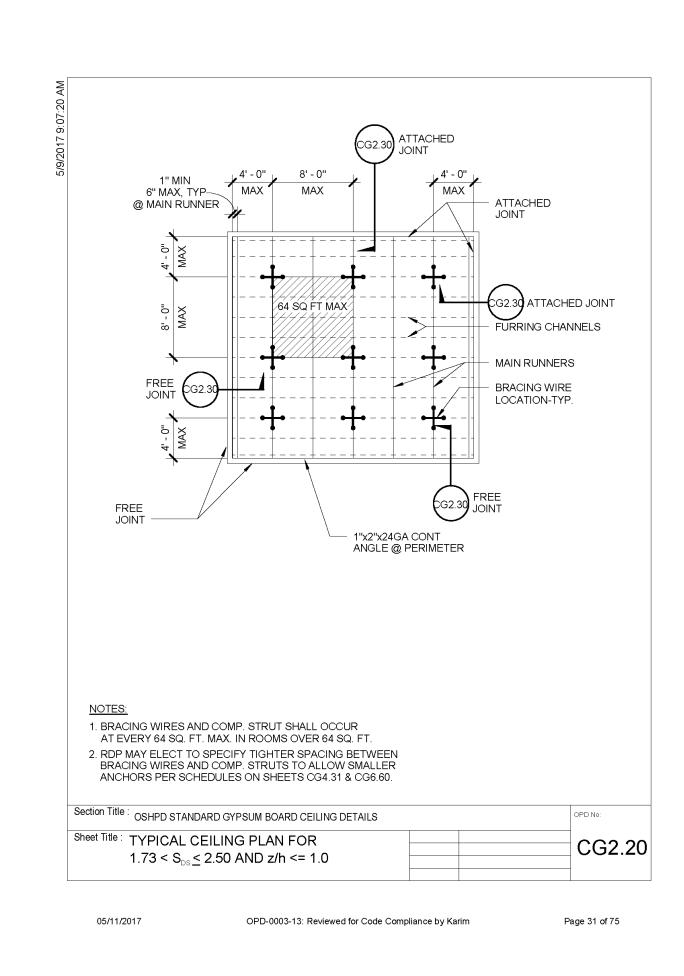
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CG2.30

Fp



ALAMEIDA ARCHITECTURE

PROJECT MANAGEMENT

CONSTRUCTION MANAGEMENT

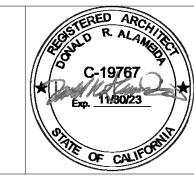
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PROJECT

TENANT IMPROVENMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT **SERVICES**

> **2420 6TH STREET** EUREKA, CA

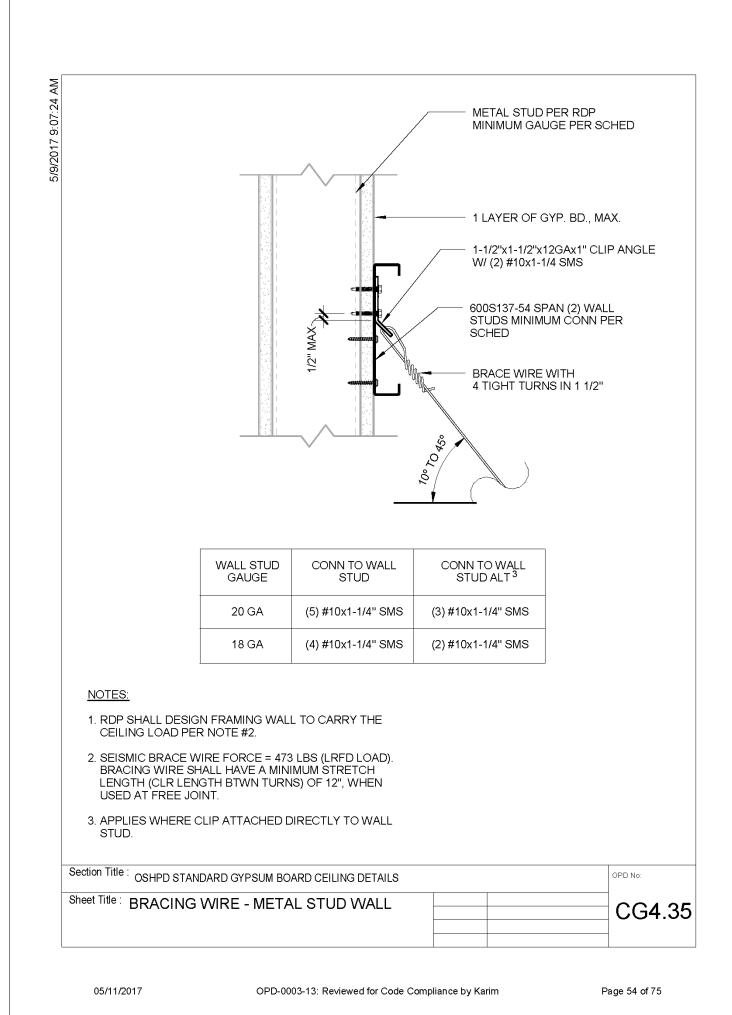


No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/2
	1	

SUSPENDED DRYWALL LAYOUT

2108 Project number 5/8/22 Author Drawn by Checked by Checker

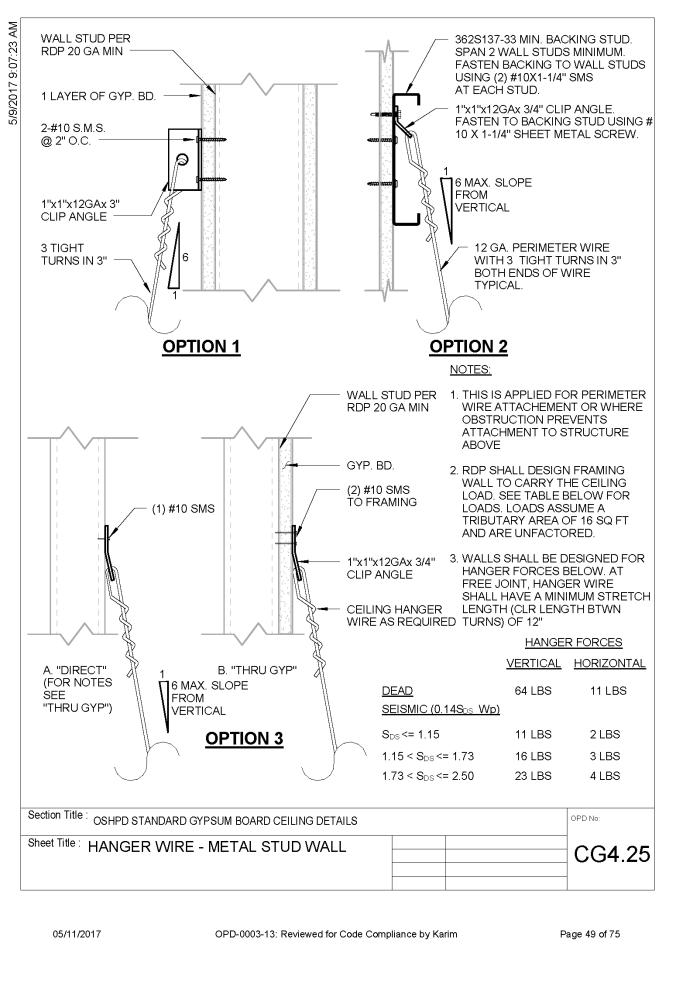
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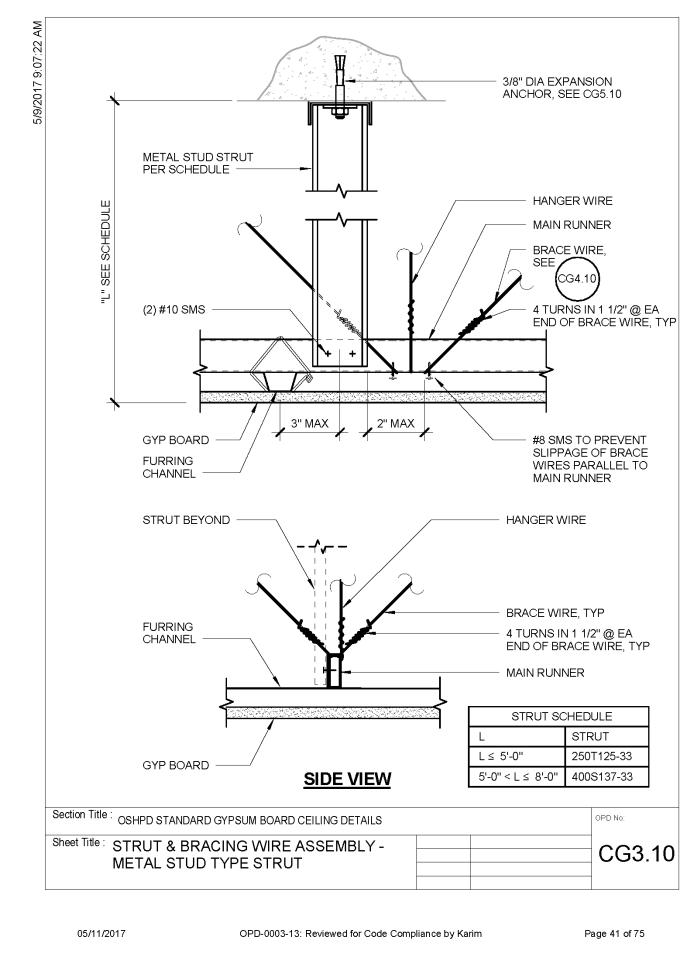


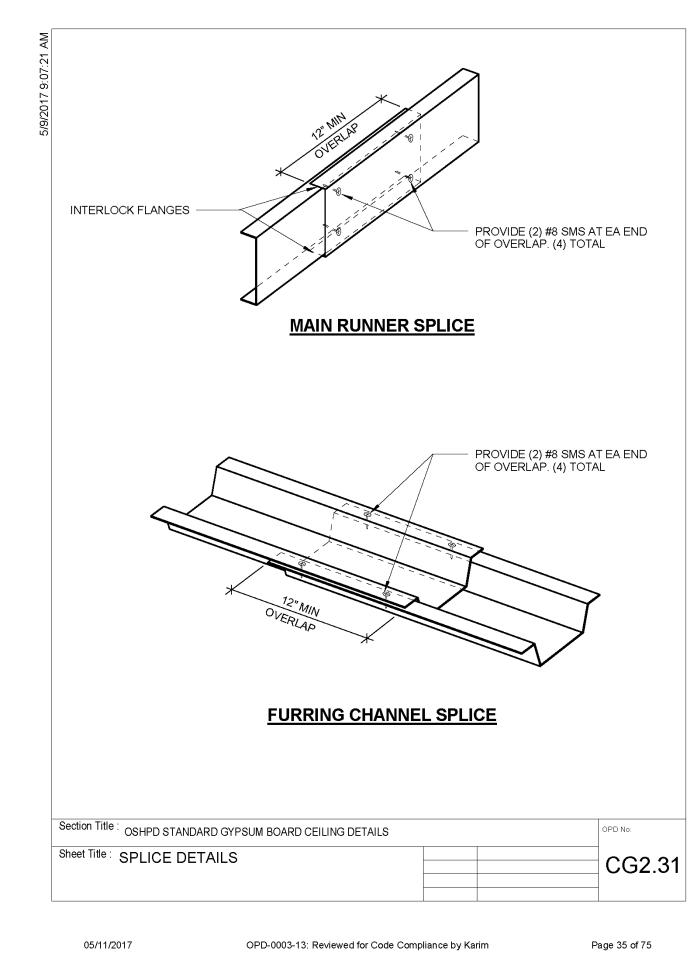
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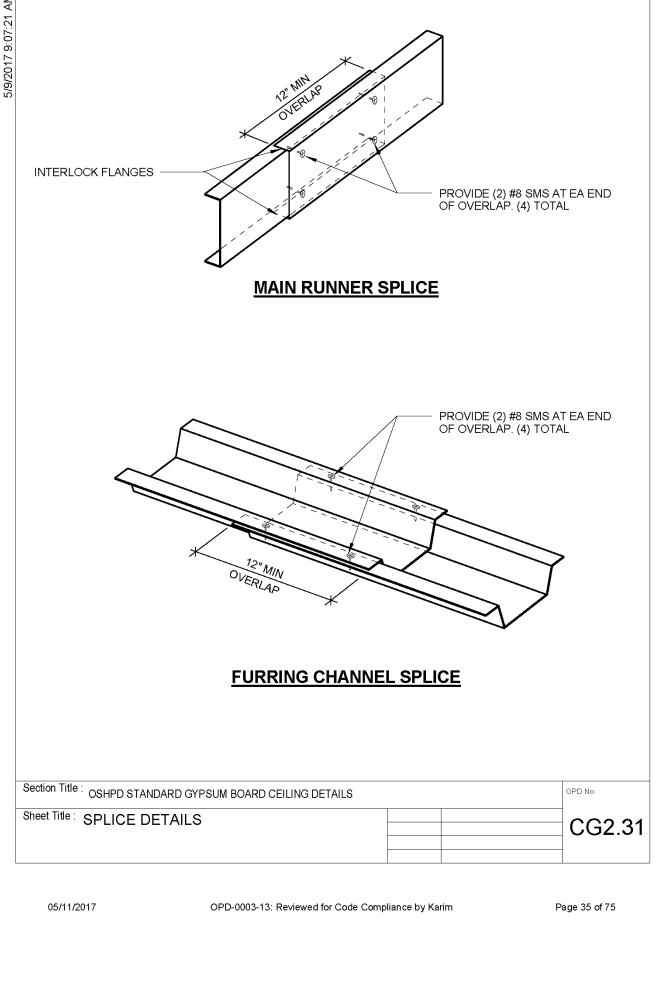
05/11/2017

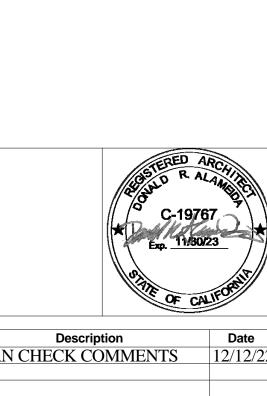
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PROJECT MANAGEMENT

PROJECT

ALAMEIDA

ARCHITECTURE

555 S. MAIN STREET, SUITE 2

SEBASTOPOL, CA 95472 (707) 824-1219

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TENANT

IMPROVENMENTS

FOR ECONOMIC

DEVELOPMENT AND

CHILD SUPPORT

SERVICES

2420 6TH STREET

EUREKA, CA

CONSTRUCTION MANAGEMENT

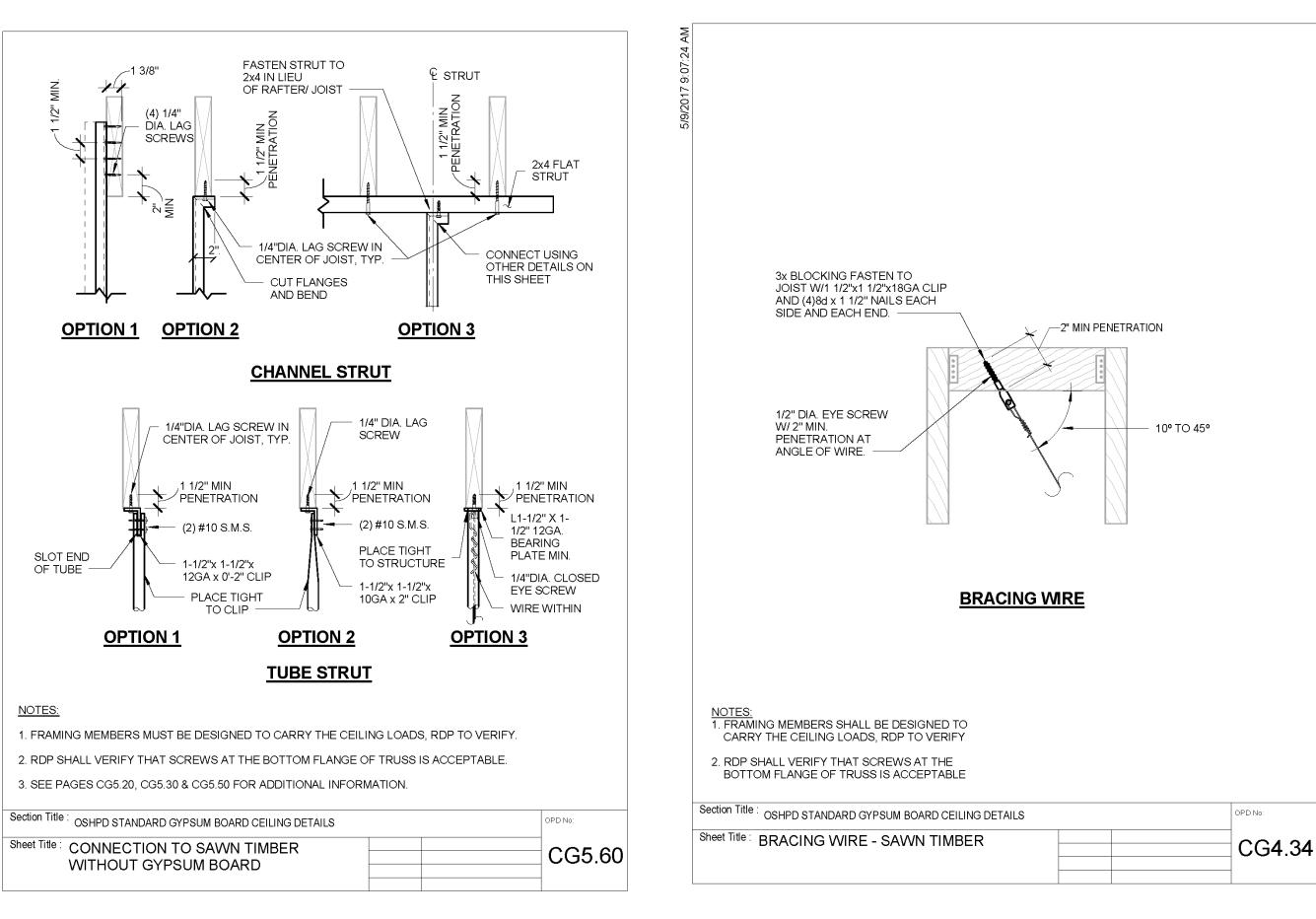
No.	Description	Dat
1.	PLAN CHECK COMMENTS	12/12



Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

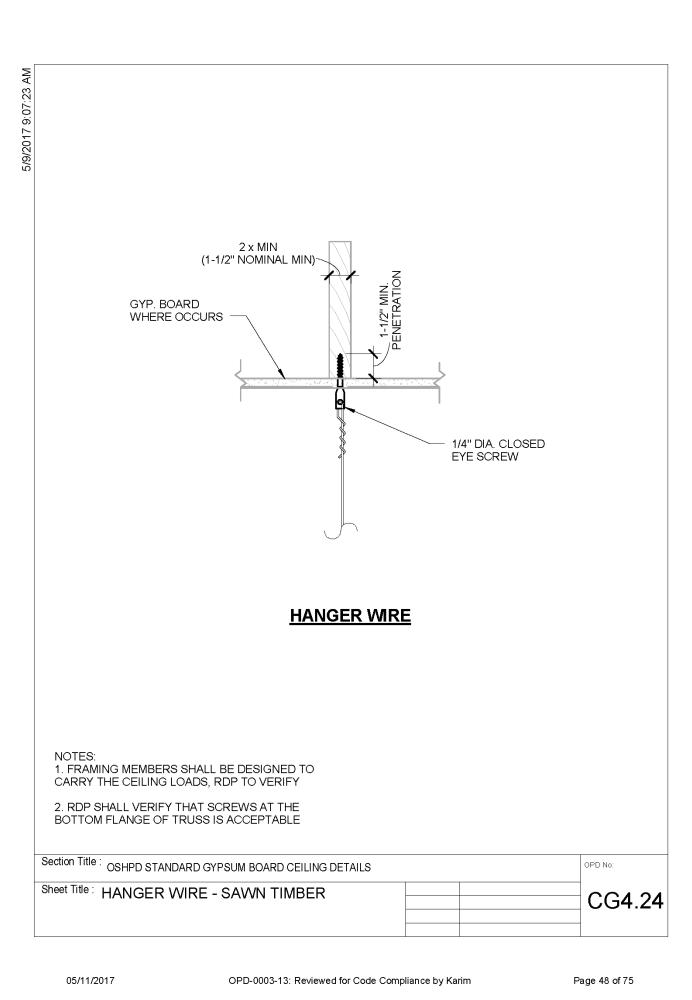
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A-1.3



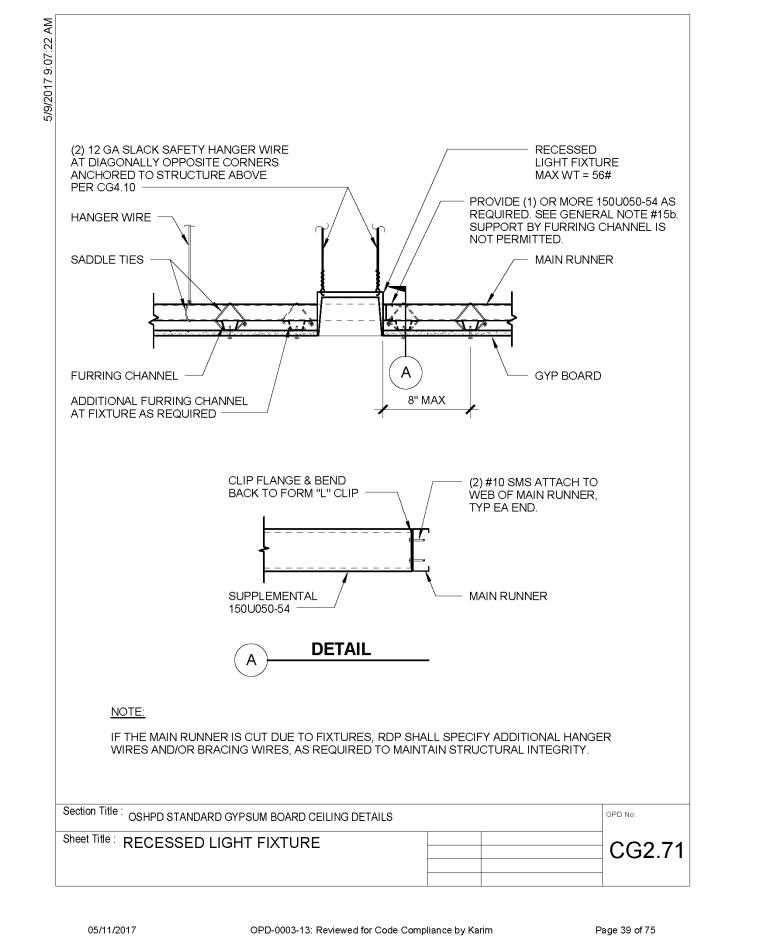
05/11/2017

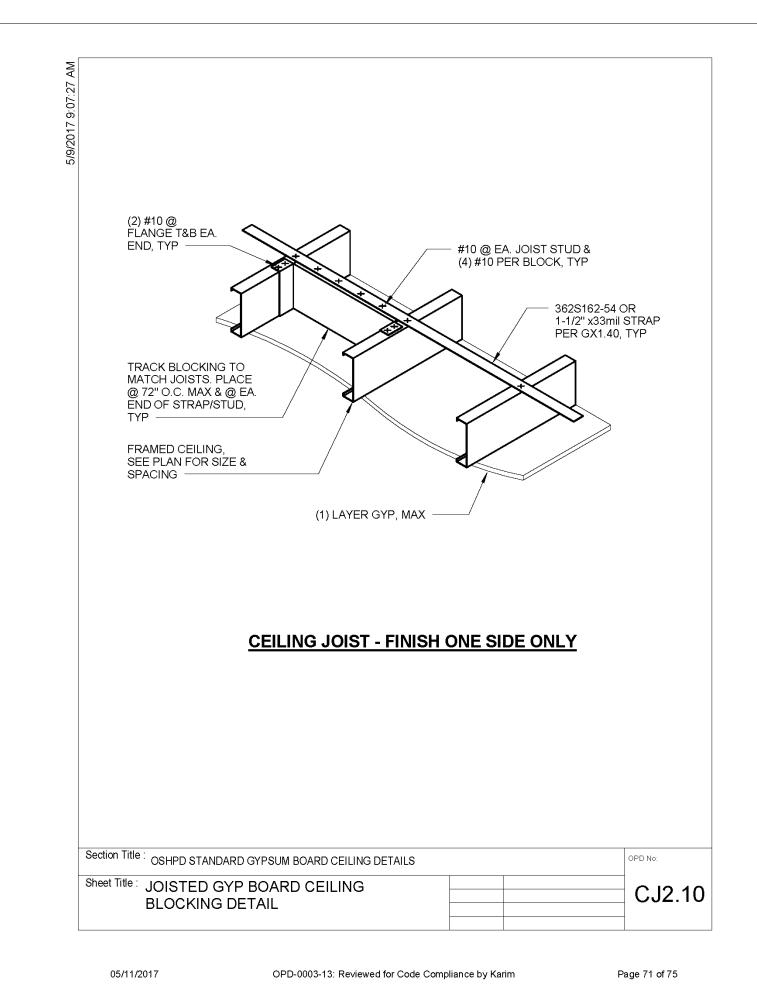
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STUD WHERE TRACK IS FASTENED THRU GYP. (2) #10 SMS WHERE TRACK IS & BOT FLANGES, TYP -400T150-54 - JOIST STUD FASTENED DIRECTLY TO VERT. STUD, TYP ∕1/16" MAX - METAL STUD 18GA (43 MIL) MIN (RDP SHALL DESIGN THE WALL) JOIST STUD -(1) LAYER OF GYP. MAX — (2) LAYERS GYP. MAX -ASTM C1002 TYPE S SCREWS AT 12" OC └─ WALL TRACK SECTION AT TYP. STUD GYP BOARD ATTACHMENT (3) #10 SMS TO EA STUD WHERE TRACK IS FASTENED THRU 18GA (43 MIL) MIN #10 SMS @ TOP & BOT FLANGES, TYP GYP. (2) #10 SMS WHERE TRACK IS
FASTENED DIRECTLY
TO VERT. STUD, TYP 400T150-54 — JOIST STUD -JAMB STUD 18GA (43 MIL) MIN -#10 SMS @ TOP & BOT FLANGES (1) PAYER OF GYP, MAX 400T150-54 -(2) LAYERS GYP. MAX. JOIST STUD -SECTION AT OPENING (2) ROWS OF (3) #10 SMS WHERE TRACK IS (1) LAYER OF GYP, MAX FASTENED THRU GYP.
(1) ROW OF (2) #10 SMS
WHERE TRACK IS (2) LAYERS GYP. MAX. -FASTENED DIRECTLY TO VERT. STUD, TYP Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS Sheet Title: JOISTED GYP BOARD CEILING CJ2.30 CONNECTIONS

OPD-0003-13: Reviewed for Code Compliance by Karim

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PROJECT MANAGEMENT

ALAMEIDA ARCHITECTURE

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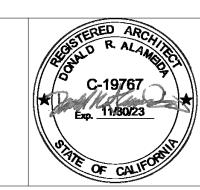
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PROJECT

TENANT **IMPROVENMENTS** FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT **SERVICES**

> 2420 6TH STREET EUREKA, CA



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/22

SUSPENDED DRYWALL CEILING WHERE PARTIALLY JOISTED

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

A-7.4

Scale

		FI	NISH MATERIALS LEGEND		
CODE	SURFACE	PRODUCT	MANUFACTURER	STYLE	COLOR
F1	FLOOR	LUXURY SHEET VINYL	ARMSTRONG	NATURAL CREATIONS NA193	AVILA OAK, VIENNE SMOKE
F3	FLOOR	LUXURY SHEET VINYL	ARMSTRONG		
W1	WALL	FIELD PAINT PAINT	BENJAMIN MOORE	# 1590	
AW1	WALL	ACCENT WALL PAINT	BENJAMIN MOORE	# 1592	
WC1	WALL	WALL COVERING	KOROSEAL	SAIL CLOTH 8321-83	WAFT
WC2	WALL	WALL COVERING	KOROSEAL	ORLEANS R92190	FINE SILVER
WC4	WALL	WOOD PLANK WALL SIDING	LOCALLY SOURCED 1X6 REDWOOD - RECLAIMED	FINISH: SANSIN ENVIROSTAIN	SPINAKER GRAY 101
B1	BASE	RUBBER BASE	BURKE	727	THUNDER
T1	TRIM	TRIM PAINT	BENJAMIN MOORE	# 1590	
C1	CEILING	ACUSTICAL TILE	ARMSTRONG	MATCH EXISTING	
C2	CEILING	PAINTED DRYWALL	BENJAMIN MOORE	# 1590	
P LAM 1	CASEWORK	PLASTIC LAMINATE	FORMICA	9285-58	SENGE BLANC - MATTE
P LAM 2	CASEWORK	PLASTIC LAMINATE	FORMICA	6307-58	BURNT STRAND - MATTE
P LAM 3	CASEWORK	PLASTIC LAMINATE	FORMICA	912C-58	STORM MATTE/ COLOR CORE

					R	OOM FINISH	I SCHEDULE]		
NUMBER	NAME	BASE	FLOOR CODE	EAST WALL	SOUTH WALL	WEST WALL	NORTH WALL	CEILING	CEILING HEIGHT	COMMENTS
101	EXHIBIT / LOBBY	B-1	F-1	G.B. / W1	G.B./WC4	GB. / P.T.	W1	C1	11'-11"	
102	ECD CONF. 1	B-1	F-1	W1	STR.	STR.	W1 W1	C1	11'-11"	
					FRONT	FRONT				
103	ECD OFFICE 1	B-1	F-2	G.B. / W1	G.B. / W1	GB. / W1	G.B. / WC1	C1	9'-0"	
104	BREAK OUT 1	B-1	F-1	G.B. / WC2	G.B. / W1	STR. FRONT	G.B. / PT.	C1	11'-11"	
105	COPY 1	B-1	F-1	G.B. / W1	G.B. / W1	GB. / W1	G.B. / W1	C1	11'-11"	
106	EC DEV OPEN	B-1	F-1	G.B. / W1	G.B. / W1	GB. / W1	G.B. / W1	C1	11'-11"	
	OFFICE									
106A	RECEPT.	B-1	F-1	G.B. / W1	G.B./WC4	GB. / W1	-	C1	11'-11"	
106B	CAFE HALL	B-1	F-1	G.B. / WC4	G.B./W1	GB. / W1	G.B. / W1	C1	11'-11"	
107 108	ECD OFFICE 2 OFFICE	B-1 B-1	F-1 F-1	G.B. / W1	G.B. / W1	GB. / WC1 GB. / W1	G.B. / W1	C1 C1	11'-11" 11'-11"	
108	STORAGE	B-1	F-1	W1	G.B. / W1	GB. / W1	G.B. / W1	C1	11'-11"	
110	OFFICE	B-1	F-1	G.B. / W1	G.B. / W1	GB. / W1	G.B. / W1	C1	11'-11"	
111	BREAKOUT 2	B-1	F-1	G.B. / WC2	W1	GB. / W1	G.B. / W1	C1	11'-11"	
112	EXHIB. STOR.	B-1	F-1	G.B. / W1	G.B. / W1	GB. / P.T.	G.B. / W1	C1	11'-11"	
113	W.C.	COVE	F-1	G.B. / W1	G.B. / W1	GB. / P.T.	G.B. / W1	G.B. / W1	11'-11"	
120	VILLAGE	B-1	F-1	G.B. / W1	G.B. / W1	GB. / W1	G.B. / W1	C1	11'-11"	
121	COLLABORATION	B-1	F-1	G.B. / W1	G.B. /WC1		G.B. / WC1	C1	11'-11"	
122 123	OFFICE OFFICE	B-1 B-1	F-2 F-2	G.B. / W1	G.B. / W1	GB. / W1	G.B. / W1	C1 C1	11'-11" 11'-11"	
123	OFFICE	B-1 B-1	F-2 F-2	G.B. / W1	G.B. / W1	GB. / W1	G.B. / W1	C1	11'-11"	
124	CUST.	B-1	F-1	G.B. / W1	G.B. / W1	GB. / W1	G.B. / W1	C1	11'-11"	
127	OFFICE	B-1	F-2	G.B. / W1	G.B. / W1	GB. / W1	G.B. / W1	C1	11'-11"	
128	OFFICE	B-1	F-2	G.B. / W1	G.B. / W1	GB. / W1	G.B. / W1	C1	11'-11"	
129	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
130	OFFICE	EXISTING	EXISTING	EXISTING		EXISTING	EXISTING	EXISTING	EXISTING	
131	CONFERENCE	B-1	F-1	W1	W1	W1	WC-3	C1	11'-11"	
132	OFFICE	EXISTING B-1	EXISTING F-1	W1	EXISTING W1	EXISTING W1	EXISTING W1	EXISTING C1	EXISTING	
133	STORAGE OFFICE	EXISTING	EXISTING		EXISTING		EXISTING		11'-11" EXISTING	
135	OPEN OFFICE	EXISTING	EXISTING		EXISTING		EXISTING		EXISTING	
136	OFFICE	EXISTING	EXISTING		EXISTING				EXISTING	
137	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
138	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
139	OFFICE	EXISTING	EXISTING		EXISTING		EXISTING		EXISTING	
140	RECEPT.	EXISTING	EXISTING				EXISTING	EXISTING	EXISTING	
141 142	OFFICE OFFICE	EXISTING EXISTING	EXISTING EXISTING	EXISTING	EXISTING	EXISTING EXISTING	EXISTING EXISTING	EXISTING EXISTING	EXISTING EXISTING	
143	CORRIDOR	B-1	F-1	W1	W1	GB. / W1	W1	W1	11'-11"	(N) FIRE RATED CEILING - 1 HOUR
144	OFFICE	EXISTING	EXISTING		EXISTING		EXISTING		EXISTING	(FO) THE WITE CELLING THOUSE
145	OFFICE	EXISTING	EXISTING		EXISTING		EXISTING		EXISTING	
146	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
147	OFFICE	B-1	F-1	G.B. / W1	G.B. / W1	GB. / W1	G.B. / W1	C1	11'-11"	
148	STOR.	EXISTING				EXISTING			EXISTING	
160	BREAK RM.	B-1	F-1	G.B. / W1	G.B. / W1	G.B. / W1	G.B. / W1	C1	11'-11"	
161 162	CONFER. 1 CONF. STOR,	B-1 B-1	F-1 F-1	G.B. / W1. G.B. / W1	G.B. / W1	GB. / W1	G.B. / W1	G.B. / PT. C1	11'-11" 11'-11"	
164	MENS	(E) TILE	(E) TILE	W1	EXISTING	W1	W1	W1	11'-11"	PATCH / REPLACEIN KIND
165	WOMENS	(E) TILE	(E) TILE	W1	EXISTING	W1	W1	W1	11'-11"	PATCH / REPLACEIN KIND
166	LOUNGE	B-1	F-1	G.B. / W1	G.B. / W1	GB. / W1	W1	G.B. / W1	11'-11"	
170	INFOR. SERVICES	B-1	F-1	W1	W1	W1	W1	C1	11'-11"	
171	SYST. ANYLSIS	B-1	F-1	W1	W1	W1	W1	C1	11'-11"	
172	TEL. RM	B-1	EXISTING	W1	W1	W1	W1	C1	11'-11"	
173 174	SERVER EQ. STOR	B-1 B-1	EXISTING F-1	W1 W1	W1 W1	W1 W1	W1 W1	C1 C1	11'-11" 11'-11"	
180	CORRIDOR	B-1	F-1	W1 W1	W1 W1	W1 W1	W1 W1	W1	11'-11"	(E) FIRE RATED CEILING 1-HOUR
181	CORRIDOR	B-1	F-1	W1	W1	W1	W1	W1	11'-11"	(E) FIRE RATED CEILING 1-HOUR
190	COPY/STOR.	B-1	F-1	G.B. / W1	G.B. / W1	W1	W1	C1	11'-11"	
191	OFFICE	B-1	F-1	G.B. / W1	G.B. / W1	W1	G.B. / W1	C1	11'-11"	
192	OFFICE	B-1	F-1	G.B. / W1	G.B. / W1	W1	W1	C1	11'-11"	
194	HALL	B-1	F-1	G.B. / W1	G.B. / W1	GB. / W1	W1	C1	11'-11"	
195	INTERVIEW 1	B-1	F-1	G.B. / W1	G.B. / W1	GB. / W1	G.B. / W1	C1	11'-11"	
196	INTERVIEW 2 CSS LOBBY	B-1 B-1	F-1 F-1	G.B. / W1 G.B. / W1	G.B. / W1 G.B. / W1	GB. / W1	G.B. / W1	C1 G.B. / W1	11'-11" 11'-11"	
107	- こうきょしつりょ	D-1	L-1	O.D. / W I	U.D. / W I	UD. / WI	U.D. / W I	U.D. / WI	11-11	
197 198	CSS CONFER.	B-1	F-1	G.B. / W1	G.B. / W1	GB. / W1	G.B./WC3	C1	11'-11"	

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

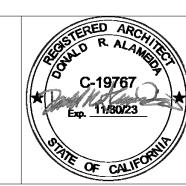
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PROJECT

TENANT IMPROVENMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT SERVICES

2420 6TH STREET EUREKA, CA



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/2

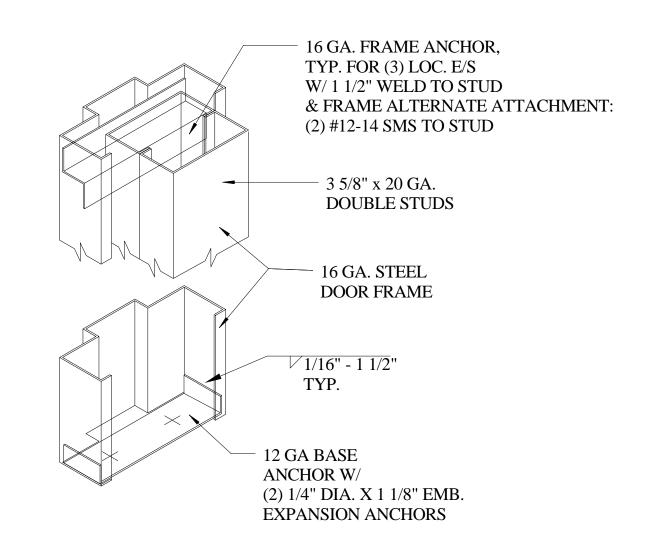
ROOM SCHEDULE

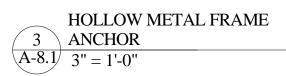
Project number	
Date	
Drawn by	
Checked by	

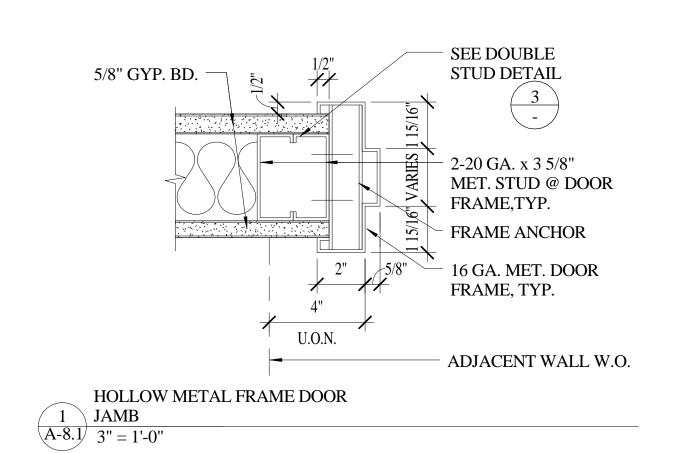
A-8

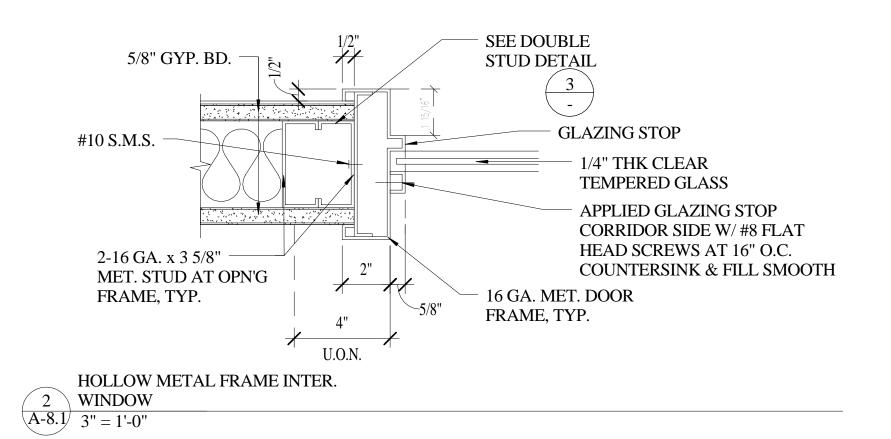
le 1/4" = 1'-0"

							V NEW DOODS I IS	TED EXICTO	VIC DOODS N		
					DOOR	DOOR SCHEDULE (ONL	Y NEW DOORS LIS	IED EXISTI	NG DOORS N	OI LISTED TO E	FRAME
Morls	Tymo	Width	Height	Thickness	Material	Finish	Eiro Doting	Hardware	Typo	Material	Finish JAMB DTL. HEAD DTL. Head Height Comments
Mark	Type	Widui	пеідііі	Tilless	Materiai	FIIIISII	Fire Rating	naiuwaie	Type	Material	Fillish JAMB DTL. HEAD DTL. Head Height Confinents
101B	24	3' - 0"	8' - 0"	0' - 1 3/4"	ALUM. / GLASS	ANODIZED	NOT RATED	1	WELDED	ALUMINUM	ANODIZED 5-A4.1 SIM. 5-A4.1 7' - 10 3/4" STOREFRONT DOOR
101C	22	3' - 0"	8' - 0"	0' - 1 3/4"	ALUM. / GLASS	ANODIZED	NOT RATED	1	WELDED	ALUMINUM	ANODIZED 5-A4.1 SIM. 5-A4.1 7' - 10 3/4" STORE FRONT DOOR
102A	18	3' - 0"	7' - 11"	0' - 1 3/4"	ALUM. / GLASS	ANODIZED	NOT RATED	2	WELDED	ALUMINUM	ANODIZED 5-A4.1 SIM. 5-A4.1 7' - 10 3/4" STOREFRONT DOOR
103A	4	3' - 0"	7' - 0''	0' - 1 3/4"	ALUM. / GLASS	ANODIZED	NOT RATED	2	WELDED	STEEL	PAINTED 5-A4.1 SIM. 5-A4.1 7' - 0"
103B	1	3' - 0"	7' - 0"	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
104A	4	3' - 0"	7' - 0''	0' - 1 3/4"	ALUM. / GLASS	ANODIZED	NOT RATED	2	WELDED	ALUMINUM	ANODIZED 5-A4.1 SIM. 5-A4.1 7' - 0"
105A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
107A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
108A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
109A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
110A	1	3' - 0"	7' - 0"	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
111A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
112A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	PAINTED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
113A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	6	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
120B	2	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	20 MIN.	7	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
123A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
124A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
127A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
128A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
131A	2	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	20 MIN.	7	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
133A	8	6' - 0"	6' - 6"	0' - 1 3/4"	S.C. WOOD	STAINED	20 MIN.	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 6' - 6"
143A	2	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	20 MIN.	7	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
190A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
191A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
192A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
195A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
195B	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
196A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
196B	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
197A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
198A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
198B	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"
199A	1	3' - 0"	7' - 0''	0' - 1 3/4"	S.C. WOOD	STAINED	NOT RATED	4	WELDED	STEEL	PAINTED 1-A8.1 1-A-8.1 SIM. 7' - 0"









ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM



PROJECT

TENANT
IMPROVENMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET EUREKA, CA



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12

DOOR SCHEDULE & INTERIOR OPENINGS DETAILS

Project number	21
Date	5/8/
Drawn by	Auth
Checked by	Check

Scale

A-8.1

3" = 1'-0"



ctivities through one or more of the following measures:

but are not limited to, the following:

Erosion control to protect slopes.

Stabilized construction exits.

Spill prevention and control.

Wind erosion control

are not limited to, the following:

a. Dewatering activities.

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

1. Soil loss BMPs that should be considered for implementation as appropriate for each project include,

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

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

implementing an effective combination of erosion and sediment control and good housekeeping BMPs.

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

Protection of storm drain inlets (gravel bags or catch basin inserts).

c. Drainage swales or lined ditches to control stormwater flow.

Perimeter sediment control (perimeter silt fence, fiber rolls).

Sediment trap or sediment basin to retain sediment on site.

d. Management of washout areas (concrete, paints, stucco, etc.).

Vehicle and equipment cleaning performed off site.

Control of vehicle/equipment fueling to contractor's staging area.

. Other housekeeping BMPs acceptable to the enforcing agency.

Other soil loss BMPs acceptable to the enforcing agency.

Material handling and waste management.

Building materials stockpile management.

d. Mulching or hydroseeding to stabilize disturbed soils.

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

2. A listed raceway capable of accommodating a 208/240 -volt dedicated branch circuit.

4. The raceway shall originate at a service panel or a subpanel serving the area, and shall

5. The service panel or subpanel shall have sufficient capacity to accommodate a minimum

40-ampere dedicated branch circuit for the future installation of the EVSE.

5.106.5.3.2 Multiple charging space requirements. [N] When multiple charging spaces are

and shall be installed in accordance with the California Electrical Code. Construction plans and

into listed suitable cabinet(s), box(es), enclosure(s) or equivalent.

3. Plan design shall be based upon 40-ampere minimum branch circuits.

to simultaneously charge all required EVs at its full rated amperage.

single or multiple charging space requirements apply for the future installation of EVSE.

required per Table 5.106.5.3.3 raceway(s) is/are required to be installed at the time of construction

2. The raceway(s) 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 charging equipment and

4. Electrical calculations shall substantiate the design of the electrical system, to include the

required number of dedicated branch circuit(s) for the future installation of the EVSE.

5. The service panel or subpanel(s) shall have sufficient capacity to accommodate the

5.106.5.3.3 EV charging space calculations. [N] Table 5.106.5.3.3 shall be used to determine if

Exceptions: On a case-by-case basis where the local enforcing agency has determined EV

charging and infrastructure is not feasible based upon one or more of the following conditions:

rating of equipment and any on-site distribution transformers and have sufficient capacity

terminate in close proximity to the proposed location of the charging equipment and listed

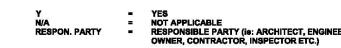
The raceway shall not be less than trade size 1".

suitable cabinet, box, enclosure or equivalent.

specifications shall include, but are not limited to, the following:

The type and location of the EVSE.

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2019 Supplement)



5.106.12 SHADE TREES [DSA-SS]. Shade Trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2,

necessary to establish and maintain tree health shall comply with Section 5.304.6.

to provide shade over 50 percent of the parking area within 15 years.

provide shade over 20 percent of the hardscape area within 15 years.

Appendix A5, are not included in the total area calculation.

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

DIVISION 5.2 ENERGY EFFICIENCY

the amount of water that needs to be applied to the landscape.

volume or cycle duration can be fixed or adjustable.

not including exterior areas such as stairs, covered walkways, patios and decks.

SECTION 5.301 GENERAL

SECTION 5.302 DEFINITIONS

and in wastewater conveyance.

and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape impation

5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed

Exceptions: The surface parking area covered by solar photovoltaic shade structures, or shade

structures, with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not

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.

Exceptions: Walks, hardscape areas covered by solar photovoltaic shade structures, and hardscape areas covered by shade structures with roofing materials that comply with Table A5.106.11.2.2 in

5.106.12.3. Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to

5.201.1 Scope [BSC-CG]. California Energy Code [DSA-SS]. For the purposes of mandatory energy efficiency

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

standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

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

FOOTPRINT AREA [DSA-SS]. The total area of the furthest exterior wall of the structure projected to natural grade.

METERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The

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

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

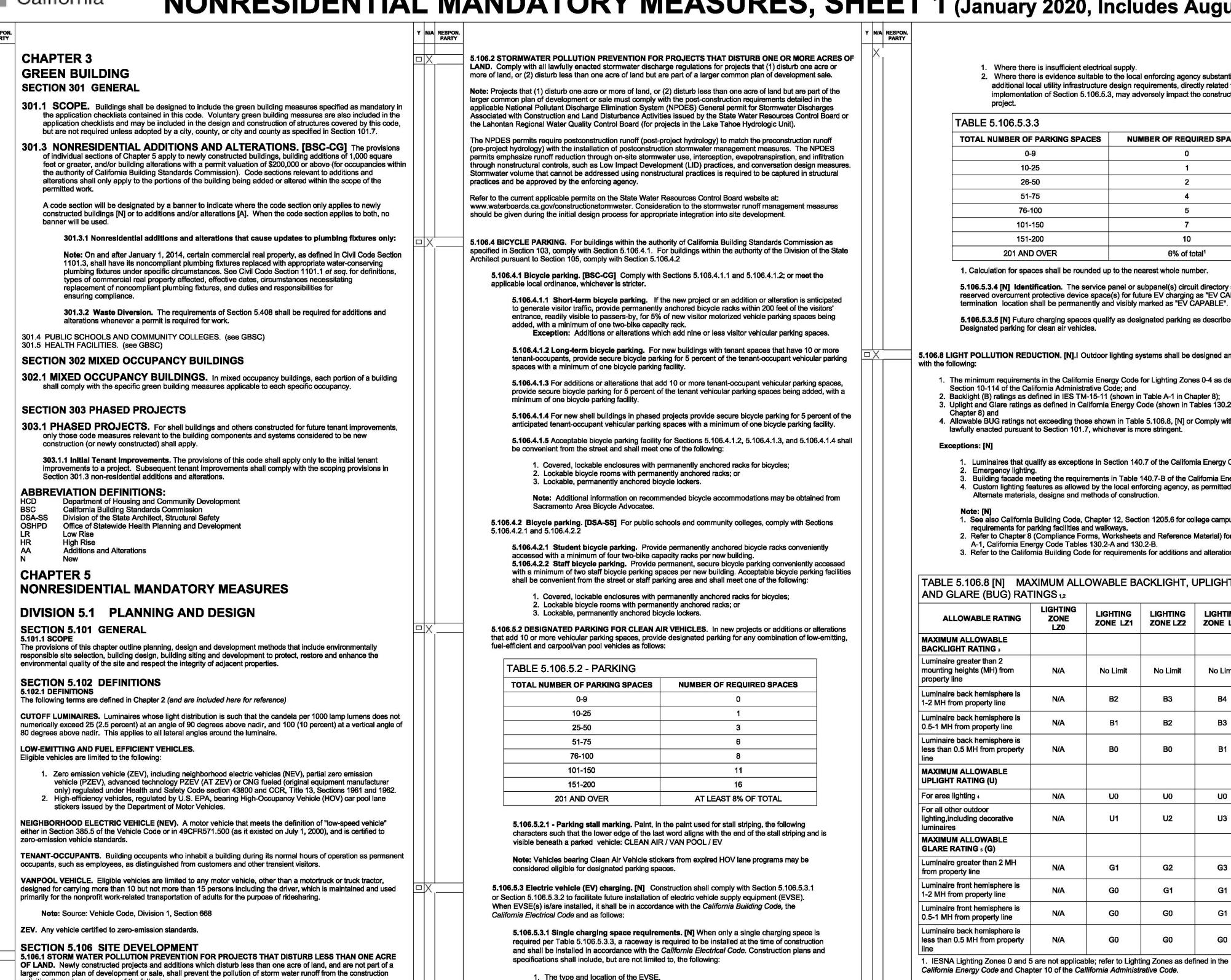
MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). The California ordinance regulating landscape

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

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

operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom



1. Where there is insufficient electrical supply. 2. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the

TABLE 5.106.5.3.3	
TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES
0-9	0
10-25	1
26-50	2
51-75	4
76-100	5
101-150	7
151-200	10
201 AND OVER	6% of total ¹

1. Calculation for spaces shall be rounded up to the nearest whole number.

5.106.5.3.4 [N] Identification. The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE".

5.106.5.3.5 [N] Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.

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

- 1. 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
- 2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8); 3. 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.

Exceptions: [N]

- 1. Luminaires that qualify as exceptions in Section 140.7 of the California Energy Code.
- 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.

1. See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting

No Limit

B1

UO

U1

G0

G0

No Limit

UO

U2

G1

G0

No Limit

UO

U3

G1

No Limit

UO

requirements for parking facilities and walkways.

N/A

N/A

N/A

N/A

2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property

corridors, the property line may be considered to be the centerline of the public roadway or public

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

3. If the nearest property line is less than or equal to two mounting heights from the back

5. If the nearest property line is less than or equal to two mounting heights from the front

hemisphere of the luminaire distribution, the applicable reduced Glare rating shall be met.

Exception: Additions and alterations not altering the drainage path.

hemisphere of the luminaire distribution, the applicable reduced Backlight rating shall be met.

4. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet

these reduced ratings. Decorative luminaires located in these areas shall meet U-value limits for

5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will

5. Other water measures which keep surface water away from buildings and aid in groundwater

manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water

transit corridor for the purpose of determining compliance with this section.

"all other outdoor lighting".

include, but are not limited to, the following:

4. Water retention gardens.

French drains.

2. Water collection and disposal systems.

2. 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.

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

5.106.8 [N] MA .ARE (BUG) RA	XIMUM ALLO	OWABLE BA	CKLIGHT, U	JPLIGHT			(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 as effective as the MWELO.
OWABLE RATING	LIGHTING ZONE LZ0	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4		POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5.
I ALLOWABLE HT RATING 3							POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic puroses, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority Having Jurisdiction.
areater then 2						1 1	

RECYCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water

treated to remove waste matter attaining a quality that is suitable to use the water again. SUBMETER. A meter installed subordinate to a site meter. Usually used to measure water intended for one purpose,

such as landscape irrigation. For the purposes of CALGreen, a dedicated meter may be considered a submeter. 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

SECTION 5.303 INDOOR WATER USE 5.303.1 METERS. Separate submeters or metering devices shall be installed for the uses described in Sections

5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows:

- 1. For each individual leased, rented or other tenant space within the building projected to consume 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 a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s). Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).
- Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).

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.

5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following: 5.303.3.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per

flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall

5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed

not exceed 0.5 gallons per flush.

5.303.3.3 Showerheads. [BSC-CG] 5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one 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.

showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a Note: A hand-held shower shall be considered a showerhead.

PROJECT MANAGEMENT

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219

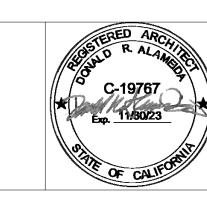
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PROJECT

TENANT IMPROVENMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT **SERVICES**

> **2420 6TH STREET** EUREKA, CA



FLAN CHECK COMMENTS	12/12/

1. PLAN CHECK COMMENTS

CAL GREEN

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

Scale



2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space

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).

CalRecycle's web site.

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2019 Supplement)

CONSTRUCTION MANAGEMENT **5.410.4.4 Reporting.** After completion of testing, adjusting and balancing, provide a final report of testing 555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM

PROJECT MANAGEMENT



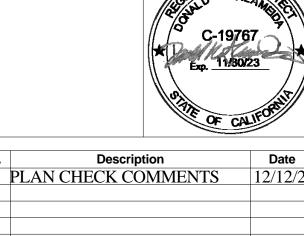
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ARCHITECTURE

PROJECT

TENANT IMPROVENMENTS FOR ECONOMIC DEVELOPMENT AND **CHILD SUPPORT SERVICES**

> **2420 6TH STREET** EUREKA, CA



CALGREEN

Project number 5/8/22 Date Author Drawn by Checked by Checker

Scale

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT 5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by 5.303.3.4 Faucets and fountains California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent. 5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi. 5.407.2 MOISTURE CONTROL. Employ moisture control measures by the following methods. 5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures. 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 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: 5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than 1.8 5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water gallons per minute/20 [rim space (inches) at 60 psi]. 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: 5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle. An installed awning at least 4 feet in depth. 5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a The door is protected by a roof overhang at least 4 feet in depth. maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi]. 3. The door is recessed at least 4 feet. 4. Other methods which provide equivalent protection. Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction. 5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane. 5.303.4 COMMERCIAL KITCHEN EQUIPMENT. **SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND** 5.303.4.1 Food Waste Disposers. Disposers shall either modulate the use of water to no more than 1 gpm **RECYCLING** when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no 5.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65% of the more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water. non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or Note: This code section does not affect local jurisdiction authority to prohibit or require disposer meet a local construction and demolition waste management ordinance, whichever is more stringent 5.303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California 5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply demolition waste management ordinance, submit a construction waste management plan that: to new fixtures in additions or areas of alteration to the building. Identifies the construction and demolition waste materials to be diverted from disposal by efficient 5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed 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) or 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. 3. 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 **SECTION 5.304 OUTDOOR WATER USE** 5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Nonresidential developments shall comply 5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water documentation that the percentage of construction and demolition waste material diverted from the landfill Efficient Landscape Ordinance (MWELO), whichever is more stringent. Note: The owner or contractor shall make the determination if the construction and demolition waste material 1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, will be diverted by a waste management company. Title 23. Chapter 2.7. Division 2. 2. MWELO and supporting documents, including a water budget calculator, are available at: Exceptions to Sections 5.408.1.1 and 5.408.1.2: Excavated soil and land-clearing debris. 5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. For public schools and community colleges, Alternate waste reduction methods developed by working with local agencies if diversion or recycle landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of facilities capable of compliance with this item do not exist. Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities 2.7, Division 2, Title 23, California Code of Regulations, except that the evapotranspiration adjustment factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35. 5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement prescriptive measures contained in Appendix D of the MWELO. as approved by the enforcing agency. 5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape 5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates area equal to or greater than 500 square feet. compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency. 5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet 1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at www.bsc.ca.gov/Home/CALGreen.aspx may be used to assist in documenting compliance with the waste management plan. DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE 2. Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle). **FFFICIENCY** 5.408.2 UNIVERSAL WASTE. [A] Additions and alterations to a building or tenant space that meet the scoping **SECTION 5.401 GENERAL** provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste 5.401.1 SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting. materials shall be included in the construction documents. Note: Refer to the Universal Waste Rule link at: **SECTION 5.402 DEFINITIONS** http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/OEAR-A_REGS_UWR_FinalText.pdf **5.402.1 DEFINITIONS.** The following terms are defined in Chapter 2 (and are included here for reference) 5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. 100 percent of trees, stumps, rocks and associated ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed. **Exception:** Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation. BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction 1. If contamination by disease or pest infestation is suspected, contact the County Agricultural process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements. Commissioner and follow its direction for recycling or disposal of the material. 2. For a map of know pest and/or disease quarantine zones, consult with the California Department of ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food Food and Agriculture. (www.cdfa.ca.gov) soiled paper waste that is mixed in with food waste. **SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS TEST.** A procedure to determine quantitative performance of a system or equipment 5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive. 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.

1. 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. project begins. This documentation shall include the following: Environmental and sustainability goals. Building sustainable goals. Indoor environmental quality requirements. 6. Building occupant and operation and maintenance (O&M) personnel expectations. cover the following systems: Renewable energy systems. 2. Landscape irrigation systems. Water reuse system. document how the project will be commissioned. The commissioning plan shall include the following: General project information. Commissioning goals. Systems to be commissioned. Plans to test systems and components shall include: a. An explanation of the original design intent. . Equipment and systems to be tested, including the extent of tests Functions to be tested. Conditions under which the test shall be performed. Measurable criteria for acceptable performance. Commissioning team information. Title 8, Section 5142, and other related regulations. systems manual shall include the following: 1. Site information, including facility description, history and current requirements. 2. Site contact information. troubleshooting, recommended maintenance requirements, site events log. 4. Major systems. 5. Site equipment inventory and maintenance notes. 6. A copy of verifications required by the enforcing agency or this code. 7. Other resources and documentation, if applicable. report and shall include the following: 5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits, equipment it interfaces). resulting in an increase of 30% or more in floor area, shall provide recycling areas on site. 2. Review and demonstration of servicing/preventive maintenance.

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** 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.

1. Owner's or Owner representative's project requirements. **SECTION 5.501 GENERAL**

3. Commissioning measures shown in the construction documents. 4. Commissioning plan. Functional performance testing. SECTION 5.502 DEFINITIONS 6. Documentation and training. 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 1. Unconditioned warehouses of any size. using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting 2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within 3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1.

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 32° Fahrenheit. Note: For the purposes of this section, unconditioned shall mean a building, area, or room which does not provide heating and or air conditioning. COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn),

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 I-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.

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

5.410.2 COMMISSIONING. [N] New buildings 10,000 square feet and over. For new buildings 10,000 square feet

verify that the building systems and components meet the owner's or owner representative's project

Commissioning requirements shall include:

7. Commissioning report.

Basis of design.

on projects of comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for

I-occupancies and L-occupancies that are not regulated y the California Energy Code Section 100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.6 shall apply.

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

4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

and over, building commissioning shall be included in the design and construction processes of the building project to

requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience

4. Project program, including facility functions and hours of operation, and need for after hours

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

5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to

5. Commissioning process activities, schedules and responsibilities. Plans for the completion of

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),

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

3. Basic operations and maintenance, including general site operating procedures, basic

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

1. System/equipment overview (what it is, what it does and with what other systems and/or

3. 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)

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.

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,

1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound

except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm

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.

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

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 (Leq). 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 gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the referenc

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 diamete

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.

SECTION 5.503 FIREPLACES 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

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



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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: 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 SCAQMD 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

TABLE 5.504.4.1 - ADHESIVE VOC LIN	/IIT ₁₂
Less Water and Less Exempt Compounds in Grams	·
ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR 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

TABLE 5.504.4.2 - SEALANT VO	CLIMIT
Less Water and Less Exempt Compounds in	Grams 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 DISTRICT RULE 1168.

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 limits of Regulation 8 Rule 49.

GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT	COMPOUNDS
COATING CATEGORY	CURRENT VOC LIMIT
FLAT COATINGS	50
NONFLAT COATINGS	100
NONFLAT HIGH GLOSS COATINGS	150
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 COATINGS1	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

2. 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

5.504.4.4 Carpet Systems. All carpet installed in the building interior shall meet at least one of the testing and

product requirements:

. Carpet and Rug Institute's Green Label Plus Program. 2. Compliant with the VOC-emission limits and testing requirements specified in 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 1.1, February 2010 (also known as CDPH Standard Method V1.1 or Specification 01350). 3. NSF/ANSI 140 at the Gold level or higher; 4. Scientific Certifications Systems Sustainable Choice; or

5. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria listed in the CHPS High Performance Product Database.

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.

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.

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.

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION **CURRENT LIMIT** HARDWOOD PLYWOOD VENEER CORE 0.05 HARDWOOD PLYWOOD COMPOSITE CORE PARTICLE BOARD 0.09 MEDIUM DENSITY FIBERBOARD 0.11 THIN MEDIUM DENSITY FIBERBOARD2 0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH

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

5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:

I. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program; 2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010;

3. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria and listed in the CHPS High Performance Product Database; or 4. Products certified under UL GREENGUARD Gold (formerly the Greenguard Children's & Schools

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

Exceptions: Existing mechanical equipment.

the same value shall be included in the operation and maintenance manual.

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

5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this 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).

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 Transmissio 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

Exception: [DSA-SS1 For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

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:

1. Within the 65 CNEL noise contour of an airport.

1. Lon or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.

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 Lin noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

5.507.4.1.1. Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB L_{so} - 1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of

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 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

at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

not exceed an hourly equivalent noise level (Leq-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

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.

replacement of existing refrigeration systems in existing facilities.

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 refrigerant systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack. 5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a

refrigerant charge of 5 pounds or less 5.508.2.1.2.1 Anchorage. One-fouth-inch OD tubing shall be securely clamped to a rigid base to keep 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 shall be brass or steel and not plastic.

5.508.2.2.2 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

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

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 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

Examples of acceptable HVAC training and certification programs include but are not limited to the following:

State certified apprenticeship programs.

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

Programs sponsored by manufacturing organizations. 5. Other programs acceptable to the enforcing agency.

responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems.

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:

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.

4. Other programs acceptable to the enforcing agency.

1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code. 2. 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

ALAMEIDA **ARCHITECTURE**

PROJECT MANAGEMENT

CONSTRUCTION MANAGEMENT

555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219

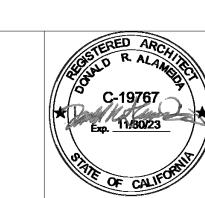
WWW.ALAMEIDA.COM



PROJECT

TENANT IMPROVENMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT **SERVICES**

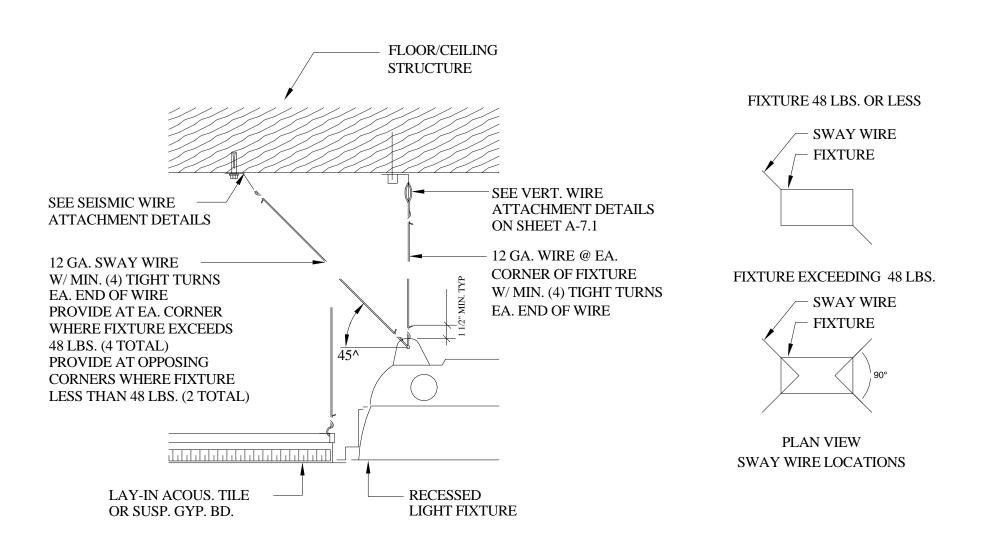
> **2420 6TH STREET** EUREKA, CA

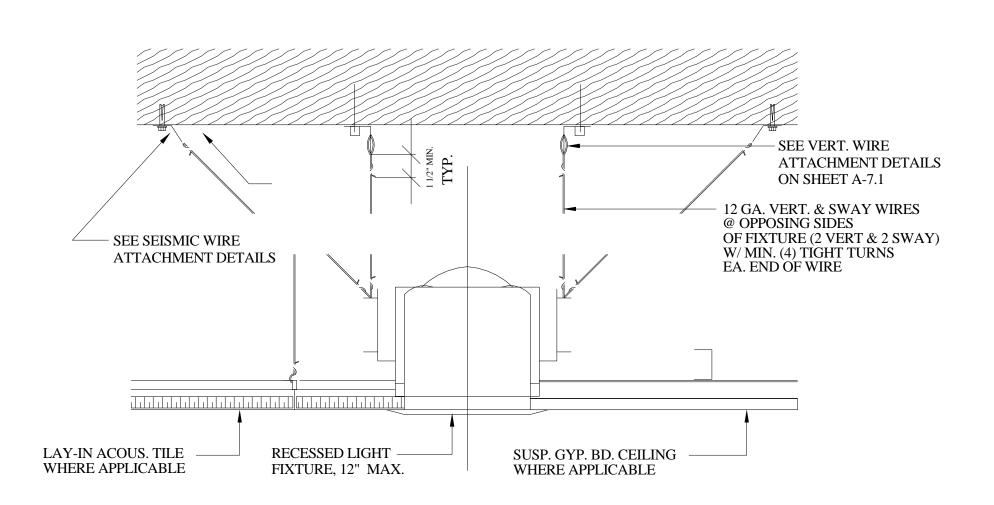


No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/2

CALGREN

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker





PHASE B

PHASE C

TOTAL CONNECTED LOAD 16.74 KVA

5.58 KVA

5.58 KVA

46.5 MAX AMPS/PHASE

3	FIXTURE @ SUSPENDED CEIL'G
E-0	N.T.S.

LIGHTING / CONTINUIOUS

V EV / CONTINUOUS

RECEPTICLES (FIRST 10 KVA)

							PANEL N	O: '	'U"						
/OLT	120 / 208 V														
PHASE	3				REMA	RKS:					_0		FEEDER	SEE SIN	NGLE LINE
VIRE	4 W		Γ		EXISTI	NG PA1	VEL U					С	ONDUIT	SEE SIN	NGLE LINE
BUSSING	100 AMP			1	PRIOR	TO MO	DIFICATI	ON	ſS			MO	DUNTED	SURFA	CE
OLES	42 P											AIC	RATING	10,000	N.
LOAD DI	ESCRIPTION	TYPE	A	В	С	BRKR	CKT.		CKT.	BRKR	Α	В	С	TYPE	LOAD DESCRIPTION
RECP	ΓRM. 130	R	0.2			20/1	1	П	2	20/1	0.4			R	RECEPT / LTG RM. 130
RECPT RI	M. 130 / ROOF	R		0.5		20/1	3	Ш	4	20/1		0.5		R	RECEPT / LTG RM. 130
RECP	ΓRM. 130	R	_		0.7	20/1	5	Ш	6	20/1]		0.0	R	RECEPT / LTG RM. 130
RECP	ΓRM. 112	R	0.7			20/1	7	Ш	8	20/1	0.5			R	RECEPT / LTG RM. 112
RECP	ΓRM. 112	R		0.7		20/1	9	Ш	10	20/1		0.5		R	RECEPT / LTG RM. 112
RECP	ΓRM. 112	R	-		0.9	20/1	11	Ш	12	20/1]		0.7	R	RECEPT / LTG RM. 112
RECPT RI	M. 112 / ROOF	R	0.7	1.5		20/1	13	Ш	14	20/1	0.4			R	RECEPT / LTG RM. 112
RECPT :	RM. 101/110	R		0.5		20/1	15	Ш	16	20/1		0.5		R	RECEPT / LTG RM. 11
RECPT :	RM. 111/111	R			0.7	20/1	17	Ш	18	20/1	1		0.5	R	RECEPT / LTG RM. 110/11
RECPT :	RM. 108/111	R	0.7			20/1	19	Ш	20	20/1	0.0			R	RECPT RM. 120
RECEPT. 1	05/106/107/120	R		1.1		20/1	21	Ш	22	20/1		0.2		R	RECEPT / LTG RM. 108/11
RECPT RI	M. 120 / ROOF	R	-		0.0	20/1	23	Ш	24	20/1	1 .		0.5	R	RECEPT / LTG RM. 120
RECPT :	RM. 101/120	R	0.0			20/1	25	Ш	26	20/1	0.9			R	RECEPT / LTG RM. 120
RECPT :	RM. 101/120	R		0.9		20/1	27	Ш	28	20/1		0.000		R	RECEPT / LTG RM. 120
RECPT :	RM. 101/120	R	_		0.7	20/1	29	Ш	30	20/1	1 .		0.0	R	RECEPT / LTG RM. 120
RECP	ΓRM. 120	R	0.0			20/1	31	Ш	32	20/1	0.4			R	RECEPT / LTG RM. 130
RECP	ΓRM. 120	R		0.00		20/1	33		34	20/1		0.0		R	RECEPT / LTG RM. 120
RECP	ΓRM. 130	R	-		0.7	20/1	35		36	20/1			0	R	RECEPT / LTG RM. 120
RECP	ΓRM. 130	R	0.7			20/1	37		38	20/1				R	RECEPT / LTG RM. 130
RECEPT /	LTG RM. 112	L				20/1	39	П	40	20/1					MASTER WORKSTATION
WATE	R HEATER	Н	•			20/1	41	$\ $	42	-					SPACE
			3.06	3.78	3.78			15 H.S.	1 30		2.52	1.8	1.8		
EMAND LO	OAD SUMMAR	Y				CONN.	DEMAND		DEMAND						
						KVA	FACTOR		KVA						
TYPE	M NON-COI	NTINUIOUS	/ MISC.			0	1		0.00			PHASE	A	5.58	KVA

								PANEL N	O: "	'U"							
/OLT	12	0 / 208 V															
PHASE		3		N-]	REMARKS:						FEEDER SEE SINGLE LINE					
WIRE	ŝ	4 W			RELOCATED AND REVISED PANEL U				ľ	CONDUIT SEE SINGLE LINE							
BUSSING	10	0 AMP											MC	UNTED	SURFA	CE	
POLES	4	2 P											AIC I	RATING	10,000		
LOAD DE	ESCRIP	TION	TYPE	A	В	С		CKT.		CKT.	BRKR	А	В	C	TYPE	LOAD DESCRIPTION	
UN	USED		R	0.0			20/1	1		2	20/1	0.0		5	R	UNUSED	
UN	USED		R		0.0		20/1	3	Ш	4	20/1		0.5		R	RECEPT / LTG RM. 130	
RECPT	ΓRM. 13	0	R			0.9	20/1	5	ш	6	20/1			0.0	R	RECEPT / LTG RM. 130	
RECPT	ΓRM. 11	2	R	0.2	_		20/1	7	ш	8	20/1	0.2	_		R	RECEPT / LTG RM. 112	
RECPT	ΓRM. 11	2	R		0.7		20/1	9	Ш	10	20/1		0.7		R	RECEPT / LTG RM. 112	
RECPT	ΓRM. 11	2	R	-		0.5	20/1	11	ш	12	20/1	1		0.7	R	RECEPT / LTG RM. 112	
RECPT RM	Л. 112 / I	ROOF	R	0.5			20/1	13	ш	14	20/1	0.4	•		R	RECEPT / LTG RM. 112	
RECPT F	RM. 101/	110	R		0.2		20/1	15	Ш	16	20/1		0.0		R	RECEPT / LTG RM. 111	
RECPT F	RM. 111/	111	R			0.2	20/1	17	Ш	18	20/1			0.5	R	RECEPT / LTG RM. 110/112	
RECPT F	RM. 108/	111	R	0.2	_		20/1	19	Ш	20	20/1	0.0			R	RECPT RM. 120	
RECEPT. 10	05/106/1	07/120	R		1.6		20/1	21	Ш	22	20/1		0.0		R	RECEPT / LTG RM. 108/111	
RECPT RM	Л. 120 / I	ROOF	R	-		0.0	20/1	23	ш	24	20/1	1 .		0.5	R	RECEPT / LTG RM. 120	
RECPT F	RM. 101/	120	R	0.7	_	ĺ	20/1	25	ш	26	20/1	1.3			R	RECEPT / LTG RM. 120	
RECPT I	RM. 101/	120	R		1.4		20/1	27	ш	28	20/1		0.000		R	RECEPT / LTG RM. 120	
RECPT I	RM. 101/	120	R	\$ L	SORE VO	0.9	20/1	29	Ш	30	20/1	1 "	,100 07 040 44 050 034	0.0	R	RECEPT / LTG RM. 120	
RECPT	ΓRM. 12	0	R	0.0	_		20/1	31	ш	32	20/1	1.1			R	RECEPT / LTG RM. 130	
RECPT	ΓRM. 12	0	R		0.00		20/1	33	Ш	34	20/1		0.0		R	RECEPT / LTG RM. 120	
RECPT	Γ RM. 13	0	R			1.1	20/1	35	ш	36	20/1	1 .		0	R	RECEPT / LTG RM. 120	
RECPT	ΓRM. 13	0	R	0.7			20/1	37	ш	38	20/1		_		R	RECEPT / LTG RM. 130	
RECEPT /	LTG RM	I. 112	L				20/1	39	ш	40	20/1					MASTER WORKSTATIONS	
WATER	R HEATI	ER	Н	1.0			20/1	41	Ш	42	-	1				SPACE	
9511W0940000000000000000000000000000000000				2.34	3.96	3.6	200000			2 0		2.88	1.26	1.8		(1960) An angula Principlosia.	
			•														
DEMAND LC)AD SU	MMARY	7			Î	CONN.	DEMAND		DEMAND							
							KVA	FACTOR		KVA							
TYPE	M	NON-CON	TINUIOUS	/ MISC.			0	1		0.00			PHASE	Α	5.22	KVA	
TYPE	L	LIGHTING	6 / CONTINU	JIOUS			0	1.25		0.00			PHASE		5.22	KVA	
TYPE	R		LES (FIRST				10	1		10.00			PHASE			KVA	
TYPE	R		LES (OVER	postan staniostino estar			5.84	0.5		2.92	TC	TAL CO	NNECTEI	D LOAD			
TYPE	Н		ECH LOAD				0	1		0.00						a company and a	
TYPE	V	EV/CONT					0	1.25		0.00							
		_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		6	TOTALS	3	15.84	10		12.92					4.5	MAX AMPS/PHASE	

SIGNAL SYSTEM CABLE SCHEDULE

USE

FIRE ALARM - SIGNAL DEVICES

FIRE ALARM - LOOP TWISTED

FIRE ALARM - LOOP TWISTED

UNSHEILDED UNDERGROUND

FIRE ALARM SPEAKER - TWISTED

FIRE ALARM SPEAKER - TWISTED PAIR

UNSHEILDED

SHEILDED PAIR

UNDERGROUND

CLOCK BELOW GRADE

CLOCK ABOVE GRADE

SPEAKER BELOW GRADE

SPEAKER ABOVE GRADE

DATA BELOW GRADE

DATA ABOVE GRADE

TELEPHONE ABOVE GRADE

TELEPHONE BELOW GRADE

DATA

DESCRIPTION

TAG

G

2 #12 THWN

3#12 THWN

WESTPENN 238

WESTPENN 291

NOT USED

WESTPENN AQC291

4 PAIR CAT 6 (SEE SPEC'S)

12 STRAND MM FIBER (SEE SPEC'S)

WESTPENN D990 (2 - # 16)

WESTPENN D995 (2-# 14)

WESTPENN AQC225 (2 - #16)

FALCON 410214H20 (2 - #14)

POWER AND LIGHTING DISTRIBUTION NOTE: AT THE TIME PLANS PREPARED INFORMATION KNOWN OF EXISTING POWER AND LIGHTING DISTRIBUTION WAS LIMITED AND MAY BE OUTDATE BY SUBSEQUENT MODIFICATIONS SINCE 1999. ELECTRICAL CONTRACTOR TO VERIFY LOADS ON ALL ELECTRICAL PANELS NECESSARY TO MODIFY FOR POWER AND LIGHTING MODIFICATION REQUIRED TO COMPLETE THIS CSCOPE OF WORK.

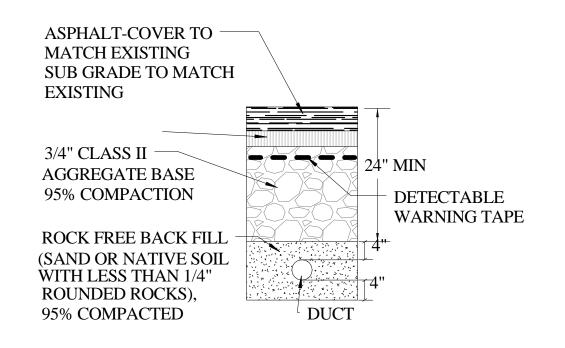
CONTRACTOR TO SUBMIT AS BUILT PANEL SCHEDULES AND PROPOSED MODIFICATION TO PANELS. PANEL U ILLUSTRATED ATTEMPTS TO DEMONSTRATE CHANGES TO RECEPTACLE LOADS RATED ABOVE IS NOT THE ONL

ELECTRICAL GENERAL NOTES

- 1. SEE ARCHITECTURAL DRAWINGS FOR COUNTER HEIGHTS. INSTALL ALL RECEPTACLES, DEVICES, ETC. ACCORDINGLY.
- 2. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
- FINISH OF ALL LIGHTING FIXTURES SHALL BE AS SELECTED BY THE ARCHITECT FROM STANDARD FINISHES.
- 4. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT REQUIRING ELECTRICAL CONNECTION.
- . SEE MECHANICAL CONTROL DIAGRAM FOR CONTROL WIRING BY ELECTRICAL CONTRACTOR.
- FIRE STOPPING SHALL BE PROVIDED WHERE PENETRATING ITEMS PASS ENTIRELY THROUGH BOTH PROTECTIVE MEMBRANES OF BEARING WALLS REQUIRED TO HAVE A FIRE-RESISTIVE RATING AND WALLS REQUIRING PROTECTED OPENINGS. FIRE STOPPING SHALL ALSO BE PROVIDED AT PENETRATIONS OF FIRE RESISTIVE FLOORS AND FLOORS WHICH ARE PART OF A CEILING-FLOOR ASSEMBLY. FIRE-STOPPING SHALL HAVE AN "F" OR "T" RATING AS DETERMINED BY TESTS CONDUCTED IN ACCORDANCE WITH UBC SECTION 714 SEE SPECIFICATIONS.
- 7. PROVIDE EMERGENCY BATTERY PACK FOR ALL FIXTURES. WHERE SHOWN ON PLAN / SCHEDUL CONNECT BATTERY PACKS AHEAD OF SWITCH.

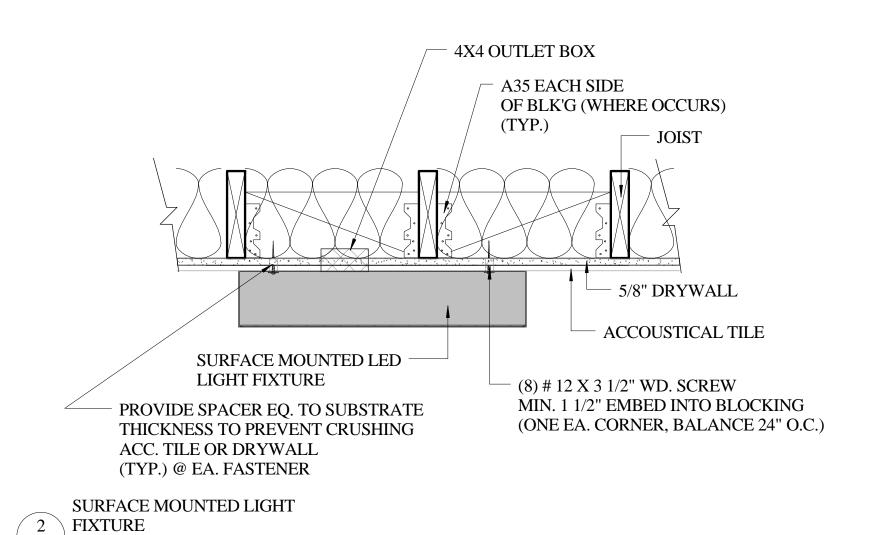
NOTE:

INSTALLATION OF ALL ELECTRICAL SWITCHES MUST COMPLY WITH CBC SECTION 11B-308.1.1 AND ELECTRICAL RECEPTACLES MUST COMPLY WITH CBC SECTION 11B-308.1.2





E-0 1 1/2" = 1'-0"



PROJECT MANAGEMENT

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

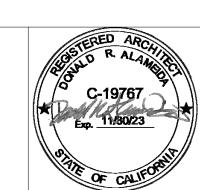
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PROJECT

TENANT
IMPROVENMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET EUREKA, CA



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/22

ELECTRICAL SCHEDULES AND NOTES

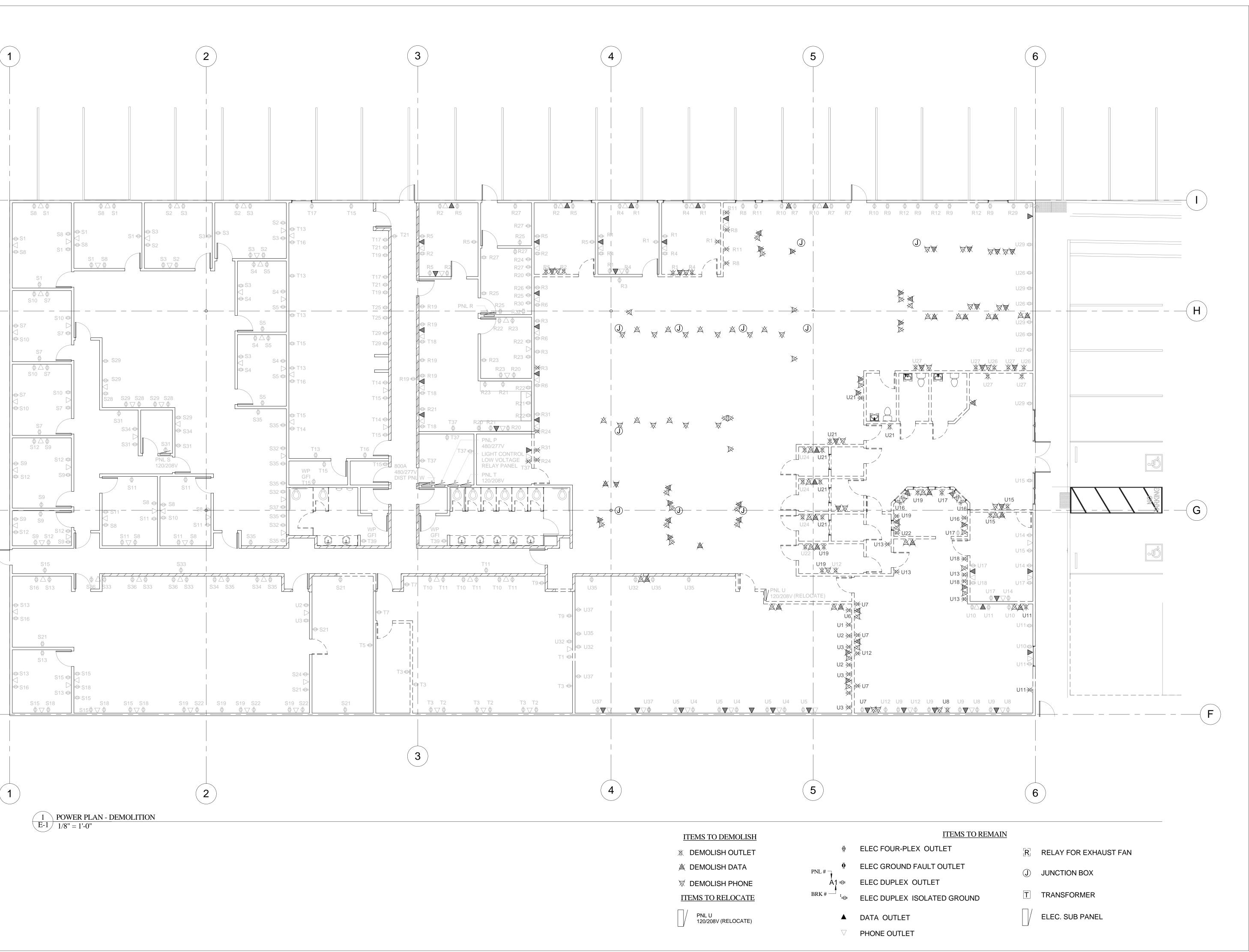
Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

E-0

Scale

As indicated

ed



ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

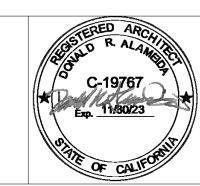
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PROJECT

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2420 6TH STREET EUREKA, CA

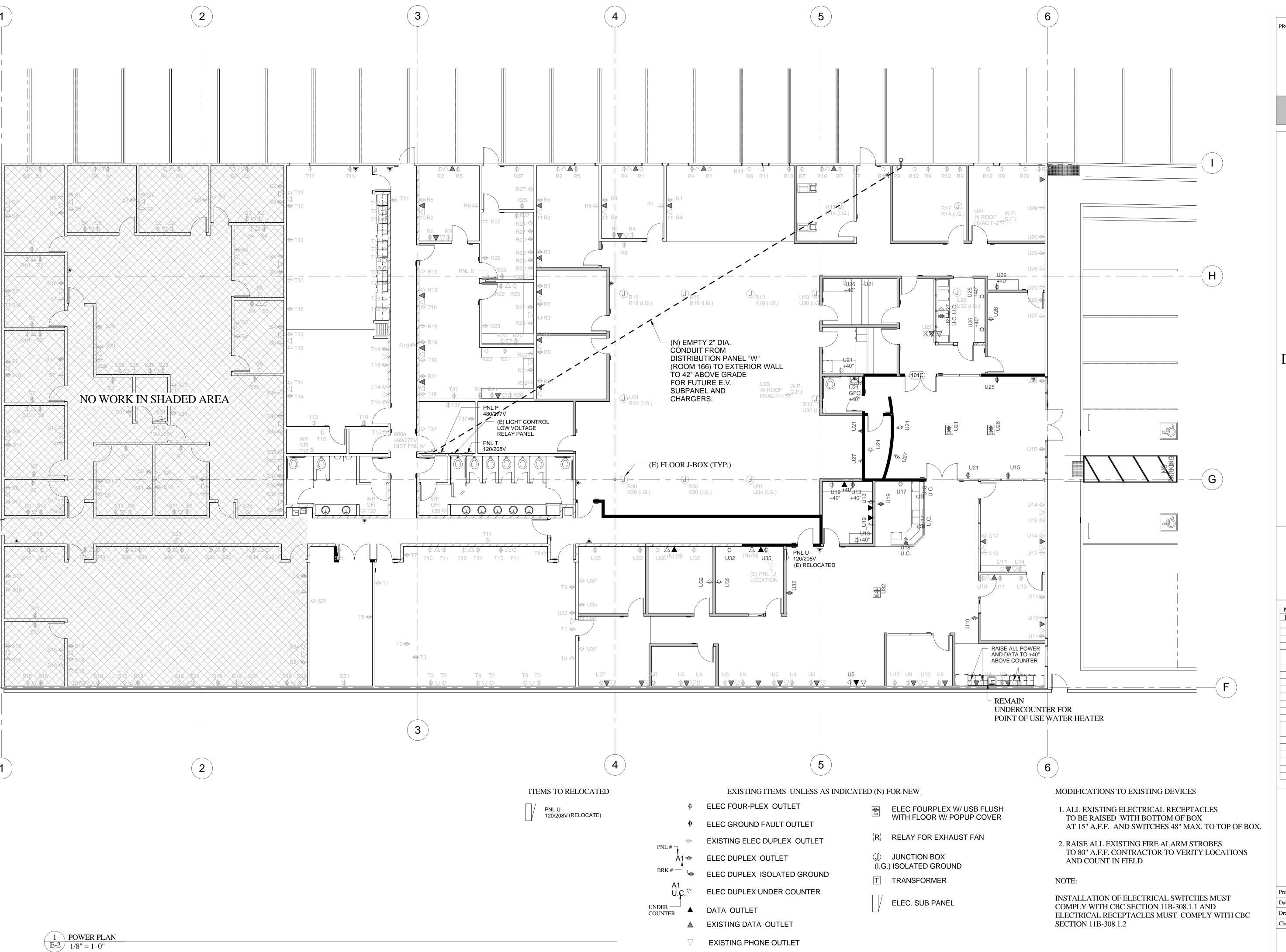


No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12

ELECTRICAL POWER DEMOLITION

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

E-1



ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

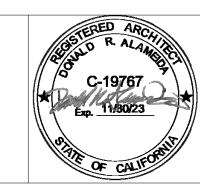
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PROJECT

TENANT
IMPROVENMENTS
FOR ECONOMIC
DEVELOPMENT AND
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SERVICES

2420 6TH STREET EUREKA, CA



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/2

POWER PLAN

Date	5/8/22
Drawn by	Author
Checked by	Checker

E-2

TRACE	LIGHTING SCHEDULE				
PRODUCT : WAC STRUT TRACK LIGHTING SYSTEM					
DESCRIPTION	MODEL #	WATTS	COUNT		
4 FT. SUSPENDED TRACK CHANEL	S2-CPS04-BK	NA	11		
8 FT. SUSPENDED TRACK CHANEL	S2-CPS08-BK	NA	14		
TRIG ADUSTABLE HUBS	S2CPS-TRIG-BLK	NA	9		
VACANCY / DAYLIGHT SENSOR	S25N-1-BK	NA	1		
12" MULTI-STEALTH DOWNLIGHTS	MD12-2-F935BK	15.5	2		
24" MULTI-STEALTH DOWNLIGHTS	MD24-2-F935BK	15.5	4		
SILO DYNAMIC FOCUS DOWNLIGHT	S2SS-1-935BK W/ 11P-CRL-BK	6.5	40		
SILO PENDANT	S2PD01-2-935BKBK	20	4		

	LIGHT FIXTURE SCHEDULE							
MARK	DESCRIPTION	MANUFACTURER	MODEL#	MOUNT	LAMP	WATTS	VOLTS	COMMENTS
A	RETROFIT (E) PARBOLIC WITH L.E.D.	LITHONIA	2ESL4R-40L-MVOLT-LP840	LAY-IN CEILING	L.E.D.	30		
B	RETROFIT / RELOCATE EXISTING (E) PARABOLIC W/ L.E.D.	LITHONIA	2ESL4R-40L-MVOLT-LP840	LAY-IN CEILING	L.E.D.	30		
D	1X4 PENDANT FIXTUDRE	LITHONIA	STL4-48L-EZ1-LP840-E10WLCP W/ F2 MOUNTING KIT	PENDANT	L.E.D.	34.9	277	
Œ	EXISTING TO REMAIN		EXISTING TO REMAIN	EXISTING	EXISTING	59	277	
(F)	RECESSED CAN FIXTURE	LITHONIA	LDN6 35/15MVOLT GZ10 HSG	RECESSED	L.E.D.	18	277	
(G)	RECESSED CAN FIXTURE - OUTDOOR RATED	LITHONIA		RECESSED	L.E.D.	18	277	
(H)	2X2 LAY-IN LED	LITHONIA	LINTHONIA 2VTL2-40L-ADP-E-MVOLT-EZ1	LAY-IN CEILING	L.E.D.	33.1	277	
⟨ <u>K</u> ⟩	TRACK LIGHTING	WAC	STRUT S2 CP508-4K & CP504-BK W/ S2SC96-BK & S2CP-CP	TRACK SUSPENDED	L.E.D.		277	
(L)	PENDANT RING L.E.D.	EUREKA	4800-54 LED 30 120V FV RDPAC 60 RC WHM WHM	PENDANT	L.E.D.	48.3	277	

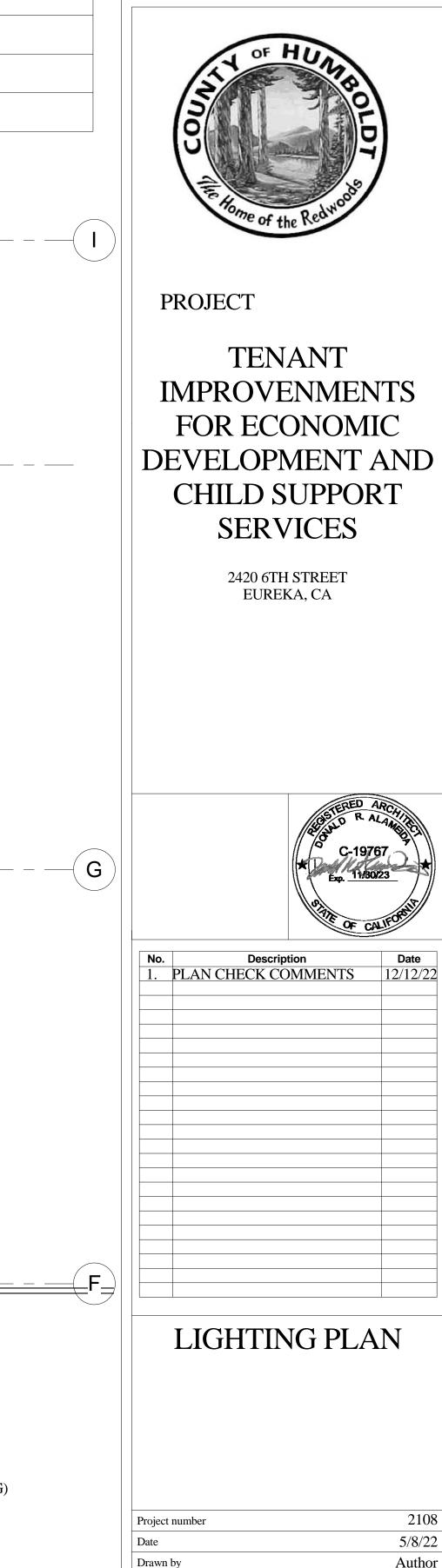
ASPHALT AREAS: 0.025 W/S.F. X 6,400 S.F. = 160 WATTS

ENTRANCES & EXITS (WITHIN 20 FT.): 19 WATTS

TOTAL OUTDOOR LIGHTING ALLOWANCE = 592

CONCRETE AREAS: 0.03 W/S.F. X 2,129 S.F = 63.8 WATTS

PARKING LOT LIGHTS ARE SOLAR NOT INCLUDED IN TOTAL



Checked by

Scale

WALL MOUNT = LITHONIA LHQM LED EXIT SIGN - GREEN LED

EMERGENCY REMOTE LAMP HEADS

WALL MOUNT W/ EMEGENCY LIGHTS = LHQM W/ QUANTUM LED

CEILING MOUNT = LITHONIA CONTRACTOR'S SELECT EXRG LED

E-3

PROJECT MANAGEMENT

ALAMEIDA

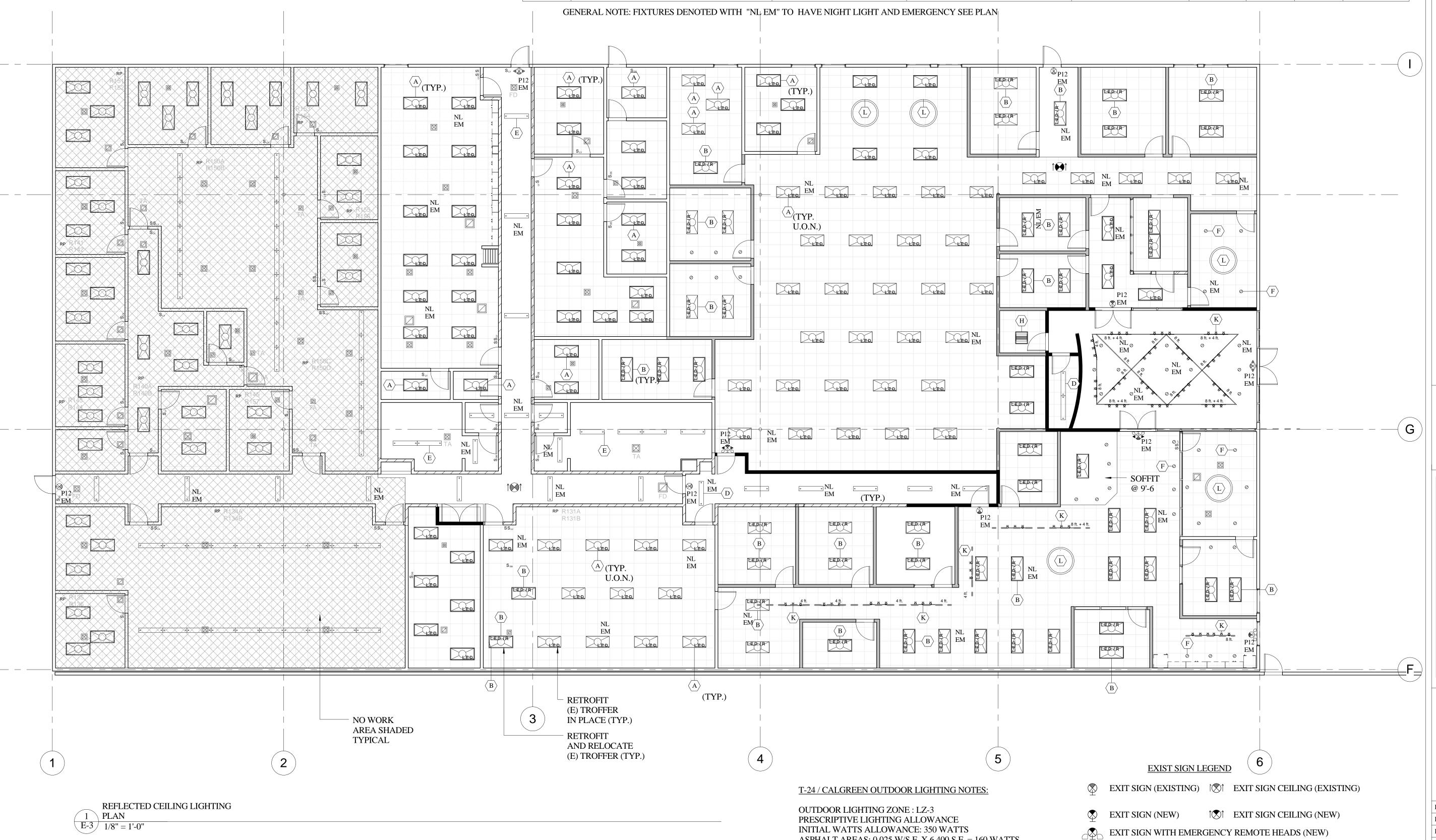
ARCHITECTURE

555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM

TENANT

2420 6TH STREET EUREKA, CA

CONSTRUCTION MANAGEMENT

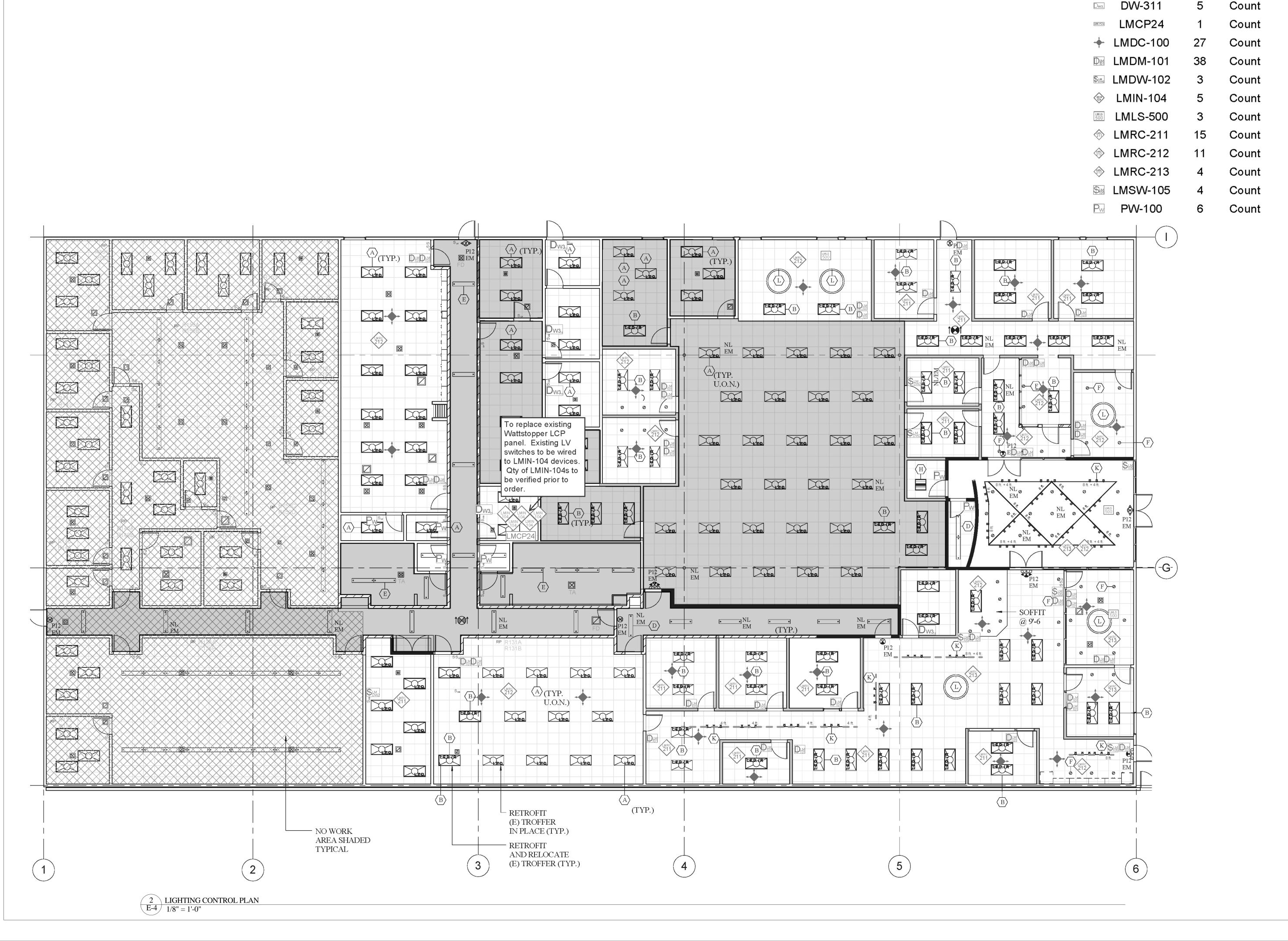


2108

5/8/22

Author

Checker



Legend PROJECT MANAGEMENT

Description Quantity Unit

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

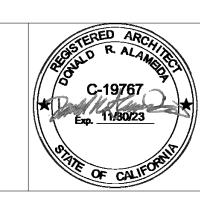
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PROJECT

TENANT
IMPROVENMENTS
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DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET EUREKA, CA

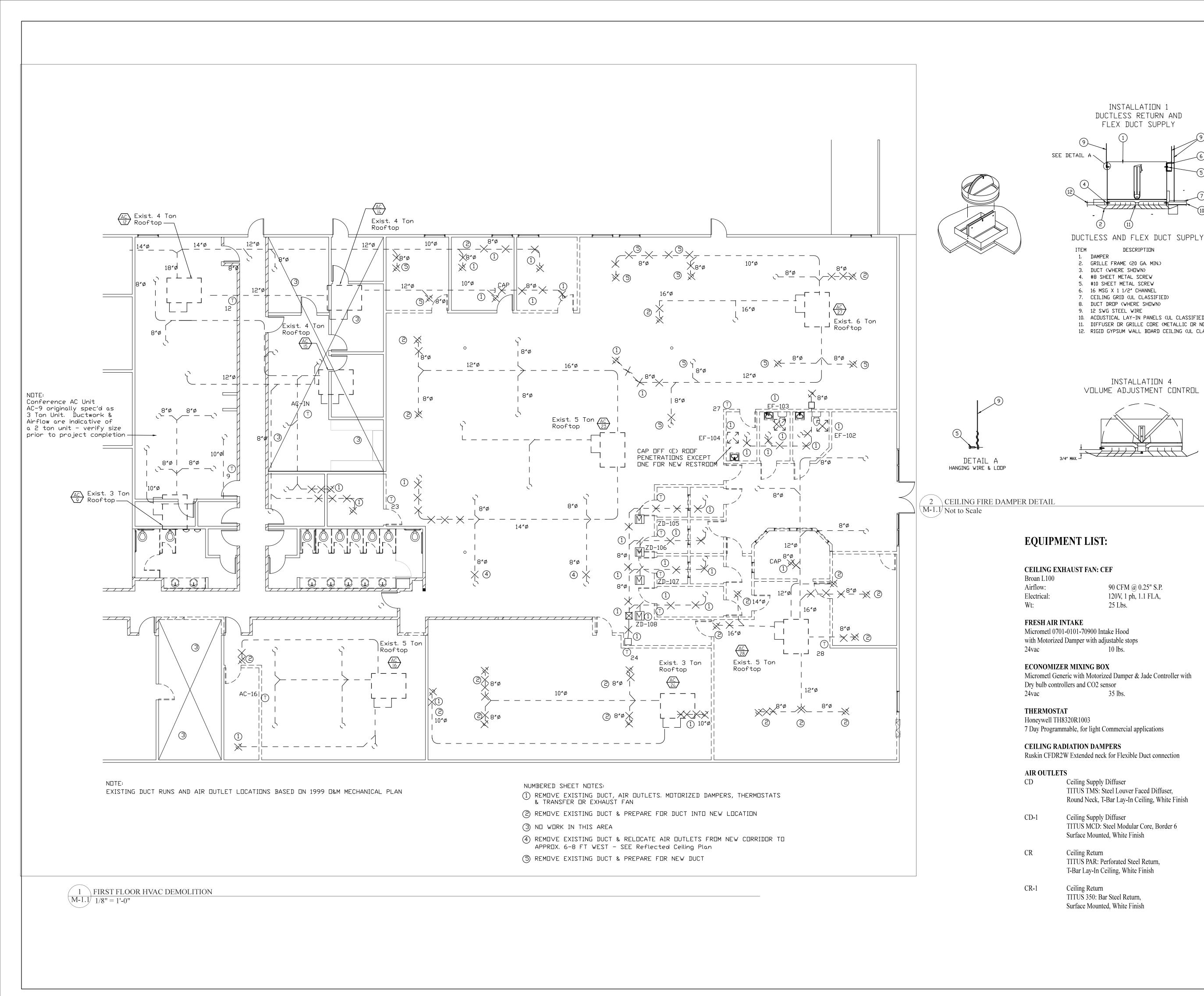


No.	Description PLAN CHECK COMMENTS	Date
1.	PLAN CHECK COMMENTS	12/12/22

DAYLIGHTING CONTROLLED LIGHTING

Project number	2108
Date	5/8/22
Drawn by	DRA
Checked by	DRA

E-4



INSTALLATION 1

DUCTLESS RETURN AND

FLEX DUCT SUPPLY

DESCRIPTION

10. ACDUSTICAL LAY-IN PANELS (UL CLASSIFIED)

INSTALLATION 4

VOLUME ADJUSTMENT CONTROL

90 CFM @ 0.25" S.P. 120V, 1 ph, 1.1 FLA,

25 Lbs.

11. DIFFUSER OR GRILLE CORE (METALLIC OR NON-METALLIC

12. RIGID GYPSUM WALL BOARD CEILING (UL CLASSIFIED)

2. GRILLE FRAME (20 GA. MIN.)
3. DUCT (WHERE SHOWN)
4. #8 SHEET METAL SCREW

5. #10 SHEET METAL SCREW

6. 16 MSG X 1 1/2" CHANNEL 7. CEILING GRID (UL CLASSIFIED) 8. DUCT DROP (WHERE SHOWN) 9. 12 SWG STEEL WIRE

DAMPER

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM

PROJECT

TENANT **IMPROVENMENTS** FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT **SERVICES**

> 2420 6TH STREET EUREKA, CA



Description Date

HVAC DEMOLITION **PLAN** DETAILS & NOTES

2204 Project number 12/13/22 Drawn by Checked by

LEO COPPER, Jr.

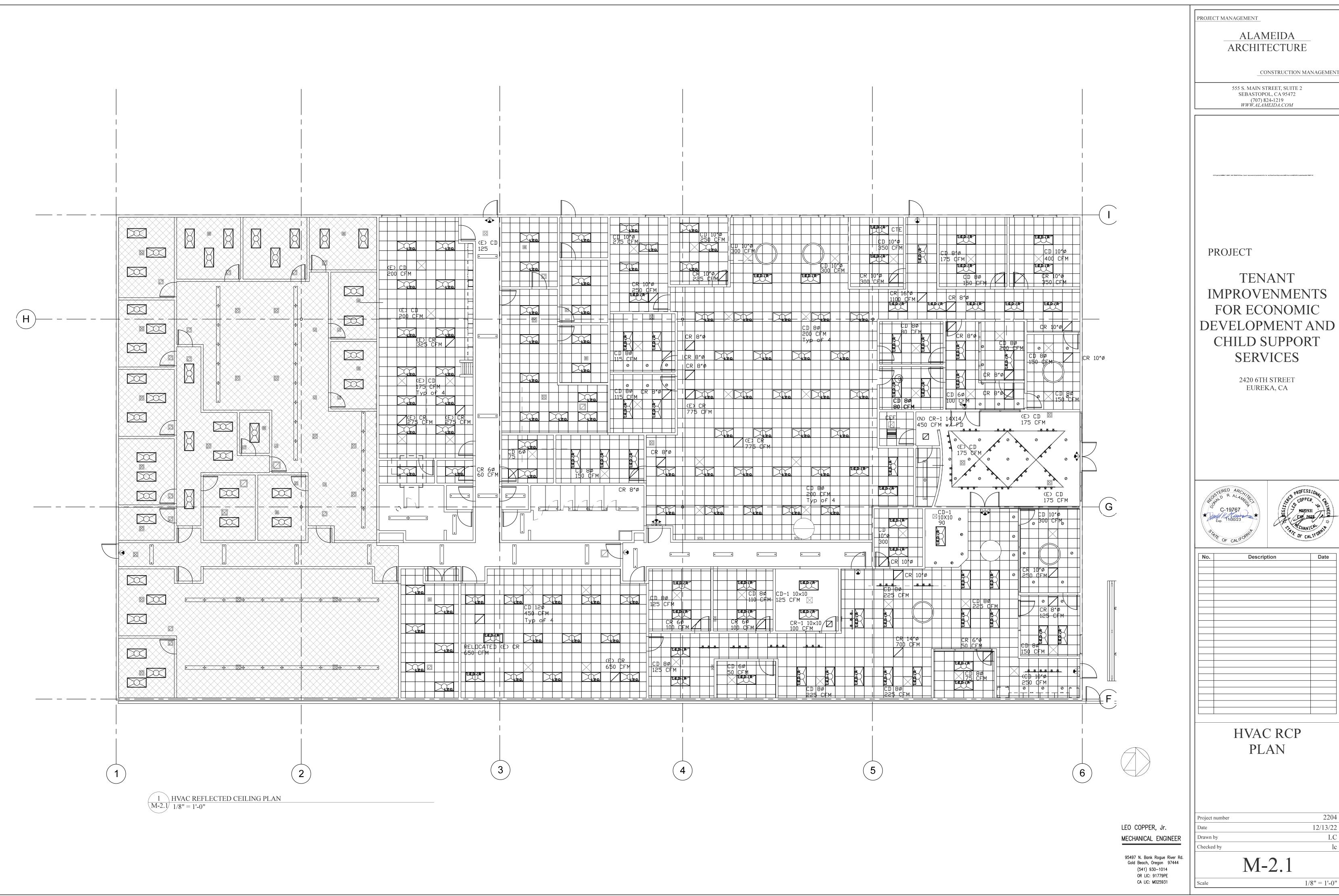
MECHANICAL ENGINEER

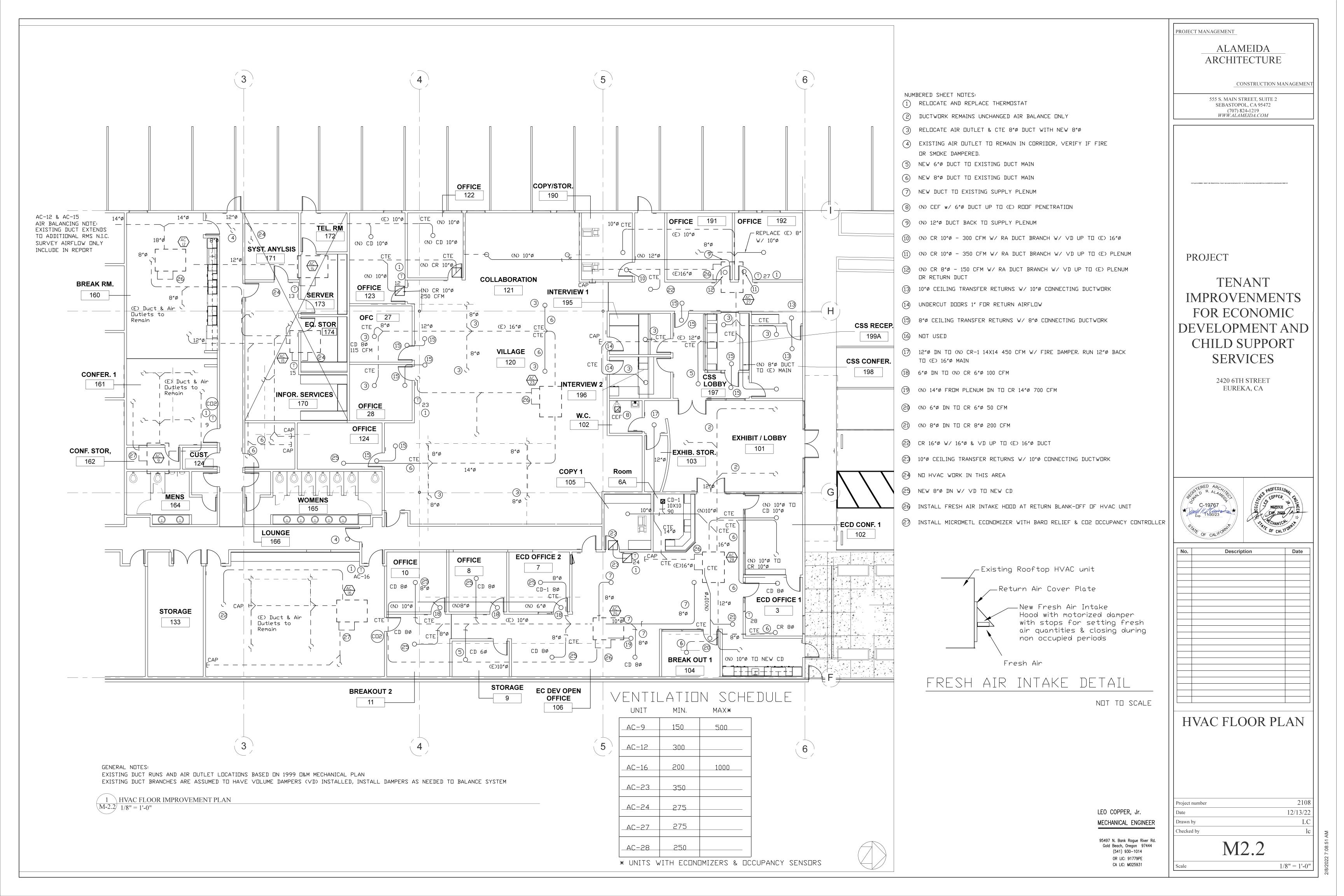
95497 N. Bank Rogue River Rd.

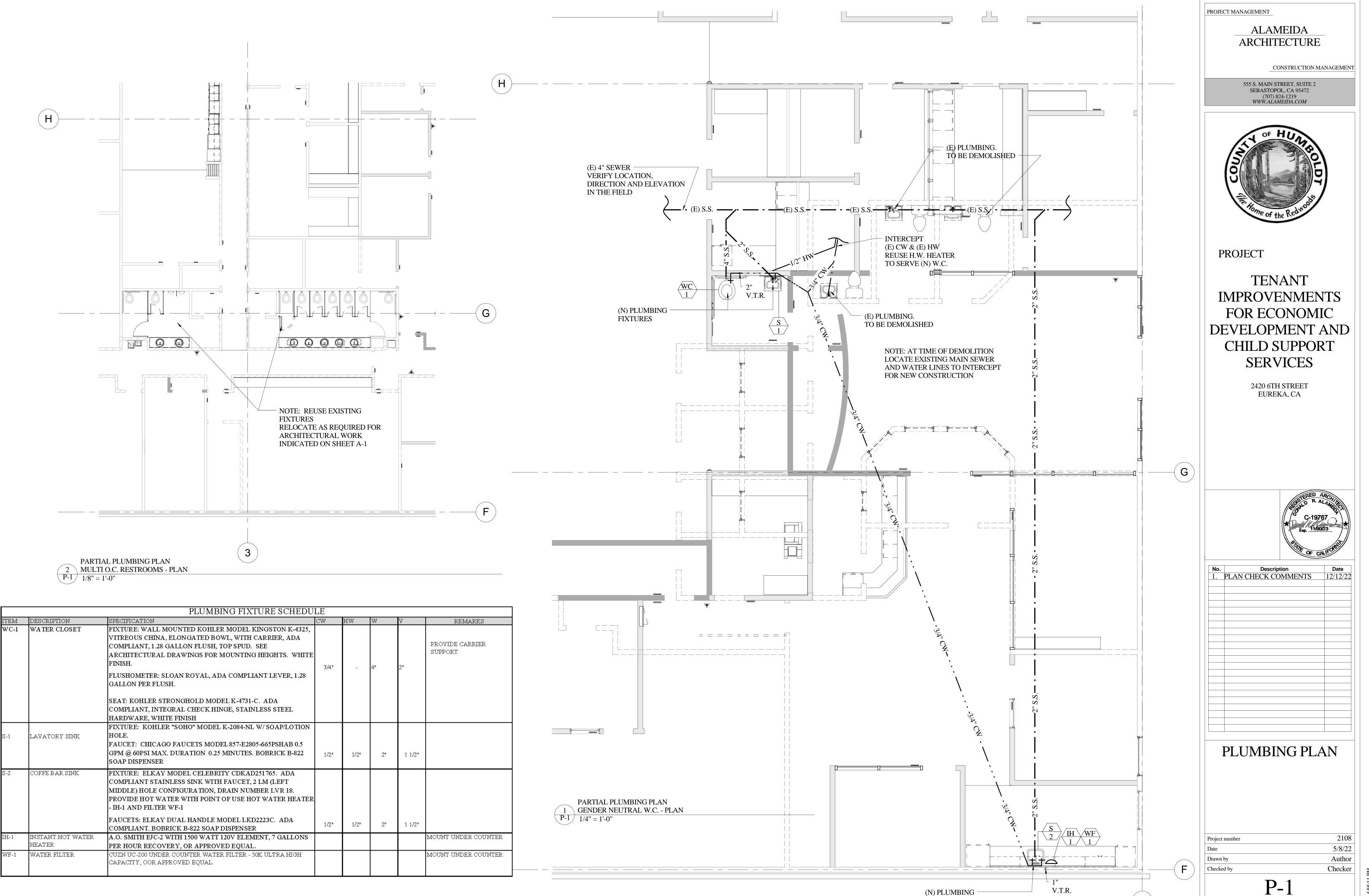
Gold Beach, Oregon 97444 (541) 930-1014 OR LIC: 91779PE CA LIC: M025931

M-1.1

As indicated







FIXTURES

As indicated

Indoor Lighting Mandatory Measures: 110.9 LIGHTING CONTROLS AND COMPONENTS ALL LIGHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT SOURCES SHALL MEET THE APPLICABLE REQUIREMENTS OF 110.9. 110.12(c) DEMAND RESPONSIVE LIGHTING CONTROLS

LIGHTING CONTROLS IN NONRESIDENTIAL BUILDINGS >10,000 FT2 SHALL BE CAPABLE OF AUTOMATICALLY REDUCING LIGHTING POWER IN RESPONSE TO A DEMAND RESPONSE SIGNAL. GENERAL LIGHTING SHALL BE REDUCED PER TABLE 130.1-A. CONTROLS SHALL DEMONSTRATE A LIGHTING POWER REDUCTION OF AT LEAST 15% RELOW THE TOTAL INSTALLED LIGHTING POWER IN CONTROLLED SPACES.

130.0 GENERAL LUMINAIRE REQUIREMENTS ALL LUMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c).

ENERGY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEET REQUIREMENTS OF 130.0(e).

130.1(a) MANUAL AREA CONTROLS EACH ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS BUILDING SHALL HAVE LIGHTING CONTROLS THAT ALLOW LIGHTING TO BE MANUALLY TURNED ON AND OFF MANUAL CONTROLS SHALL:

1. BE READILY ACCESSIBLE 2. BE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTING IT CONTROLS.

3. PROVIDE SEPARATE CONTROL OF GENERAL, FLOOR, WALL, WINDOW CASE DISPLAY, ORNAMENTAL AND SPECIAL EFFECTS LIGHTING SO EACH TYPE CAN BE TURNED ON AND OFF SEPARATELY WITHOUT AFFECTING OTHER LIGHTING OR EQUIPMENT.

130.1(b) MULTILEVEL LIGHTING CONTROLS

GENERAL LIGHTING IN ALL ROOMS AND AREAS 100 FT2 OR GREATER AND WITH MORE THAN 0.5 WATTS PER FT2 OF LIGHTING LOAD SHALL HAVE MULTILEVEL CONTROLS THAT ALLOW LIGHT LEVELS TO BE ADJUSTED UP AND DOWN. CONTROLS SHALL PROVIDE NUMBER OF CONTROL STEPS AND UNIFORM LIGHT LEVELS PER TABLE 130.1-A.

130.1(c): SHUTOFF CONTROLS

ALL INSTALLED INDOOR LIGHTING SHALL BE EQUIPPED WITH CONTROLS TO AUTOMATICALLY REDUCE LIGHTING POWER WHEN SPACE IS TYPICALLY UNOCCUPIED. 130.1(c)1: CONTROL REQUIREMENTS

ALL INSTALLED INDOOR LIGHTING SHALL HAVE ALL OF THE FOLLOWING:

A. CONTROL(S) CAPABLE OF AUTOMATICALLY SHUTTING OFF ALL LIGHTING IN THE SPACE WHEN TYPICALLY UNOCCUPIED (OCCUPANT SENSING CONTROL, AUTOMATIC TIME-SWITCH CONTROL, OR OTHER)

B. SEPARATE CONTROLS FOR LIGHTING ON EACH FLOOR (OTHER THAN STAIRWELLS) C. SEPARATE CONTROLS FOR A SPACE ENCLOSED BY CEILING HEIGHT PARTITIONS NOT EXCEEDING 5.000 FT2

C. SEPARATE CONTROLS FOR A SPACE ENCLOSED BY CEILING HEIGHT PARTITIONS NOT EXCEEDING 5,000 FT2

D. SEPARATE CONTROLS FOR GENERAL, DISPLAY, ORNAMENTAL, AND DISPLAY CASE LIGHTING

E. AUTOMATIC TIME-SWITCH CONTROLS MAY INCLUDE MANUAL-ON MODE 130.1(c)2: COUNTDOWN TIMER SWITCHES

COUNTDOWN TIMER SWITCHES ONLY ALLOWED TO MEET SHUT-OFF REQUIREMENTS IN CLOSETS < 70 FT2 AND SERVER AISLES IN SERVER ROOMS. MAXIMUM TIMER

Indoor Lighting Mandatory Measures:

130.1(c)6 PARTIAL OR FULL-OFF OCCUPANT SENSORS

PROVIDE PARTIAL OR FULL-OFF OCCUPANT SENSORS, IN ADDITION TO SHUTOFF CONTROLS PER 130.1(c)1 AND 130.1(c)2, IN THE FOLLOWING SPACES: AISLE WAYS AND OPEN AREAS IN WAREHOUSES

 LIBRARY BOOK STACK AISLES • CORRIDORS AND STAIRWELLS

130.1(d) AUTOMATIC DAYLIGHTING CONTROLS

ALL GENERAL LIGHTING IN THE FOLLOWING ZONES SHALL HAVE CONTROLS THAT AUTOMATICALLY ADJUST THE INSTALLED LIGHTING POWER UP AND DOWN TO KEEP TOTAL LIGHT LEVEL STABLE AS INCOMING DAYLIGHT CHANGES:

 PRIMARY SIDELIT DAYLIT ZONES SKYLIT DAYLIT ZONES

COMBINED PRIMARY AND SECONDARY SIDELIT DAYLIT ZONES IN PARKING GARAGES

ALL DAYLIT ZONES MUST BE SHOWN ON PLANS.

NOTE: PARKING AREAS ON THE ROOF OF A PARKING STRUCTURE ARE NOT SKYLIT DAYLIT AREAS.

IN ADDITION, AUTOMATIC DAYLIGHTING CONTROLS SHALL PROVIDE SEPARATE CONTROL FOR LUMINAIRES IN EACH TYPE OF DAYLIT ZONE. LUMINAIRES THAT FALL IN BOTH SKYLIT AND SIDELIT DAYLIT ZONE SHALL BE CONTROLLED AS PART OF THE SKYLIT ZONE.

130.1(d)3 THE AUTOMATIC DAYLIGHTING CONTROLS SHALL ACHIEVE ALL OF THE FOLLOWING: A. ADJUST LIGHTING VIA CONTINUOUS DIMMING OR THE NUMBER OF CONTROL STEPS PROVIDED BY THE MULTILEVEL CONTROLS (FOR SPACES REQUIRED TO INSTALL MULTILEVEL CONTROLS UNDER SECTION 130.1(b)).

B. FOR EACH SPACE, ENSURE COMBINED ILLUMINANCE FROM CONTROLLED LIGHTING AND DAYLIGHT IS NOT LESS THAN ILLUMINANCE FROM CONTROLLED LIGHTING WHEN NO DAYLIGHT IS AVAILABLE.

ENSURE THAT THE GENERAL LIGHTING POWER IN A DAYLIT ZONE SHALL BE REDUCED BY AT LEAST 65% WHEN DAYLIGHT ILLUMINANCE IN THAT ZONE IS GREATER THAN 150% OF DESIGN ILLUMINANCE RECEIVED FROM THE GENERAL LIGHTING SYSTEM AT FULL POWER (NOT APPLICABLE TO PARKING GARAGES).

(FOR PARKING GARAGES ONLY) ENSURE THAT WHEN ILLUMINANCE LEVELS MEASURED AT THE FARTHEST EDGE OF THE SECONDARY SIDELIT ZONE AWAY FROM GLAZING OR OPENING ARE GREATER THAN 150% OF THE ILLUMINANCE PROVIDED BY THE CONTROLLED LIGHTING WHEN NO DAYLIGHT IS AVAILABLE. THE CONTROLLED LIGHTING POWER CONSUMPTION IS ZERO.

130.1(d)4 WHEN PHOTOSENSORS ARE LOCATED WITHIN THE DAYLIT ZONE, AT LEAST ONE PHOTOSENSOR SHALL BE LOCATED SO THAT IT IS NOT READILY ACCESSIBLE TO UNAUTHORIZED PERSONNEL

130.1(d)5 THE LOCATION WHERE CALIBRATION ADJUSTMENTS ARE MADE TO AUTOMATIC DAYLIGHTING CONTROLS SHALL BE READILY ACCESSIBLE TO AUTHORIZED PERSONNEL BUT MAY BE INSIDE A LOCKED CASE OR UNDER A COVER THAT REQUIRES A TOOL FOR ACCESS.

Indoor Lighting Mandatory Measures:

130.1(f) CONTROL INTERACTIONS

EACH LIGHTING CONTROL INSTALLED TO MEET 130.1 REQUIREMENTS SHALL INCORPORATE THE FUNCTIONS OF OTHER LIGHTING CONTROLS REQUIRED BY THIS

.. FOR GENERAL LIGHTING, MANUAL AREA CONTROL SHALL PERMIT THE LEVEL OF LIGHT PROVIDED WHILE LIGHTING IS ON TO BE SET OR ADJUSTED BY CONTROLS SPECIFIED IN 130.1(b), (c), (d) and (e).

. MANUAL AREA CONTROL SHALL PERMIT SHUTOFF CONTROL TO TURN THE LIGHTING DOWN OR OFF.

B. MULTILEVEL CONTROL SHALL PERMIT THE AUTOMATIC DAYLIGHTING CONTROL TO ADJUST ELECTRIC LIGHTING IN RESPONSE TO DAYLIGHT.

I. MULTILEVEL CONTROL SHALL PERMIT THE DEMAND RESPONSIVE (DR) CONTROL TO ADJUST LIGHTING DURING A DR EVENT THEN RETURN IT TO THE LEVEL SET BY THE CONTROL AFTER THE EVENT.

5 SHUTOFF CONTROL SHALL PERMIT THE MANUAL AREA CONTROL TO TURN THE LIGHTING ON.

6. AUTOMATIC DAYLIGHTING CONTROL SHALL PERMIT MULTILEVEL LIGHTING CONTROL TO ADJUST THE LIGHTING LEVEL.

7. FOR LIGHTING CONTROLLED BY MULTILEVEL LIGHTING CONTROLS AND OCCUPANT SENSING CONTROLS THAT PROVIDE AUTOMATIC-ON FUNCTION, CONTROLS SHALL PROVIDE A PARTIAL-ON FUNCTION THAT IS CAPABLE OF AUTOMATICALLY ACTIVATING BETWEEN 50-70% OF CONTROLLED LIGHTING POWER.

STATE OF CALIFORNIA **Indoor Lighting**

CALIFORNIA ENERGY COMMISSION NRCC-LTI-E CERTIFICATE OF COMPLIANCE (Page 5 of 7) Project Name: County of Humboldt Tenant Improvements 2022 6th Street, Eureka Report Pag Project Address: 2022-09-16T16:18:43-04:0

9,282

9,282

No

See Tables J, or P for detail

Documentation Software: Energy Code Ace

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS Each area complying using the Complete Building or Area Category Methods per <u>§140.6(b)</u> are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used . dditional Allowance / Adjustmen Allowed Wattage complete Building or Area Category Primary lowed Densit Area Description Area (ft2 Function Area (W/ft^2) (Watts) Area Category

GENERAL OFFICE AREAS 0.65 14,280 TOTALS 14,280 I. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

his section does not apply to this project.

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

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This section does not apply to this project. O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project

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

This section does not apply to this project.

Generated Date/Time Registration Number

STATE OF CALIFORNIA Indoor Lighting

CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-LTI-Project Name: County of Humboldt Tenant Improvements 2022 6th Street, Eureka Report Page (Page 6 of 7 Project Address:

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

his 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. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the buildina inspector during construction and can be found online at

https://www.eneray.ca.gov/title24/2019standards/2019 compliance documents/Nonresidential Documents/NRCI/

NRCI-LTI-01-E - Must be submitted for all buildings NRCI-LTI-02-E- Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

stems/Spaces To Be Fiel Form/Title Verified NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls GENERAL OFFICE AREAS NRCA-LTI-03-A - Must be submitted for automatic daylight controls. SENERAL OFFICE AREAS

STATE OF CALIFORNIA

Indoor Lighting CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE (Page 7 of 7 2022-09-16T16:18:43-04:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete. DONALD ALAMEIDA Alameida Architecture 555 S. Main St. Suite 2 707 824-1219

—Sebastopol, CA 95472 RESPONSIBLE PERSON'S DECLARATION STATEMENT rtify the following under penalty of perjury, under the laws of the State of California

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

I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirer of Title 24, Part 1 and Part 6 of the California Code of Regulations

The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. DONALD ALAMEIDA Alameida Architecture _5/10/22 _555 S. Main St. Suite 2 te Signed: C19767 -Sebastopol, CA 95472

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Generated Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601

Compliance ID: 67097 Report Generated: 2022-09-16 13:18:46

Documentation Software: Energy Code Ace

STATE OF CALIFORNIA

Indoor Lighting CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6 and §141.0(b)2 for indoor lighting scopes using the prescriptive County of Humboldt Tenant Improvements 2022 6th Street, Eureka Report Page: Project Address: 2022-09-16T16:18:43-04: A. GENERAL INFORMATION 01 Project Location (city) 74 Total Conditioned Floor Area (ft²) Eureka 02 Climate Zone otal Unconditioned Floor Area (ft²)

B. PROJECT SCOPE This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in <u>§140.6</u> or 141.0(b)2 for alterations. Scope of Work Conditioned Spaces Unconditioned Spaces My Project Consists of (check all that apply): Calculation Method Area (ft²) Calculation Method Area (ft²) ■ New Lighting System ■ New Lighting System - Parking Garage ★ Altered Lighting System 14408 Complete Building Method N/A

14408

06 # of Stories (Habitable Above Grade)

STATE OF CALIFORNIA

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

Total Area of Work (ft2)

Indoor Lighting CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-LTI Project Name: (Page 2 of 7 County of Humboldt Tenant Improvements 2022 6th Street, Eureka Report Page: Project Address:

C. COMPLIANCE RESULTS lf any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance. Compliance Results Allowed Lighting Power per §140.6(b) (Watts diusted Lighting Power per §140.6(a) (Watts) 09 01 | 02 | 03 | 06 07 conditioned and unconditioned Area Category Tailored PAF Lighting Total Adjuste spaces must not be Total Building Category | Additional | §140.6(c)3 Designed | Control Credits (Watts) 05 must be >= 08 combined for Allowed §140.6(c)1 §140.6(c)2 §140.6(c)2G (Watts) §140.6(a)2 *Includes §140.6 compliance pe (Watts) (+) Adiustments §140.6(b)1 (See Table F) (See Table P) See Table I) | (See Table I) | (See Table J) | (See Table K 7.198.4 COMPLIES Conditioned 9.282 9,282 7198.4 Controls Compliance (See Table H for Details) Rated Power Reduction Compliance (See Table Q for Details)

DYNAMIC

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

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

Track Lighting has been included in this project, details are provided in Table G.

F. INDOOR LIGHTING FIXTURE SCHEDULE This table includes all permanent designed lighting and all portable lighting in offices Designed Wattage: Conditioned Spaces Field Inspector Watts per How is Wattage | Total Number Excluded per Aperture & Description (Track) Fixture luminaire² determined of Luminaires §140.6(a)3 Pass Fail

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Indoor Lighting CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE 2022-09-16T16:18:43-04:

E INDOOR LIGHTING FIXTURE SCHEDULE LED RETROFIT FOR (E PARBOLIC LIGHTS ED RETROFIT/RELOCATI Mfr. Spec 1.950 EXISTING PARBOLIC 1X4 LED PENDENT Mfr. Spec 34.9 LED RECESSED CAN LIGHT Mfr. Spec 18 1,062 No Mfr. Spec 33.1 | | | | 2X2 LAY IN LED No No 33.1 241.5 LED RING PENDENT 48.3 Mfr. Spec No No RACK LIGHT FIXTURE SILE 5,400 NA

Total Designed Watts: CONDITIONED SPACES 7,198.4 ¹FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per <u>§140.6(a)4B</u> is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

Section

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

MODULAR LIGHTING SYSTEMS his table calculates wattage for modular lighting systems/ track lighting fixtures indicated on Table F and transfers wattage to Table F. Complete Track Description Calculation Method per §130.0(c)6 tem Tag iv Power supplied by TRACK LIGHT FIXTURE SILO i Installed Luminaires |__ iii Overcurrent Protection ii Current Limiter driver, power supply o vs Default 30 W/ft

STATE OF CALIFORNIA Indoor Lighting

CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-LTI-E Project Name: (Page 4 of 7) County of Humboldt Tenant Improvements 2022 6th Street, Eureka Report Page:

G. MODULAR LIGHTING SYSTEMS Number of luminaires i Total Watt Watts per FOOTNOTE: For power-over-Ethernet lighting systems, power provided to installed non-lighting devices may be subtracted from the total power rating of the power-over-Ethernet

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

his table includes lighting controls for conditioned and unconditioned spaces. When a control having a * is shown, the notes section of this table provides more detail on how npliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. Field Inspector Mandatory Demand Response §110.12(c Shut-off controls §130.1(c) Not Required- Building <= 0.5W/SF See Area/Space Level Controls Complete Building or Area Multi-Level hut-Off Controls Field Inspector Area Description Category Primary Function Controls ylighting §130.1(a) §130.1(c) Area §130.1(b) **GENERAL OFFICE AREAS** Office Dimmer Occupancy Sensor ncluded ON/OFF NOTES: Controls with a * require a note in the space below explaining how compliance is achieve EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 Plan Sheet Showing Daylit Zones:

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003 Schema Version: rev 20200603

Generated Date/Time:

Compliance ID: 67097 Report Generated: 2022-09-16 13:18:46

Scale

Documentation Software: Energy Code Ace

PROJECT MANAGEMENT

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

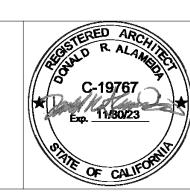
555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM



PROJECT

TENANT IMPROVENMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT **SERVICES**

> 2420 6TH STREET EUREKA, CA



NO.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/
	+	+
	+	_

Description

TITLE 24 INDOOR LIGHTING

2108 Project number 5/8/22 Date Author Drawn by Checker Checked by

CALIEODNIA ENERGY COMMISSION

ject Address:		Date Prepared:	2022-05-10T18:30:07-04:00
ject Name:	County of Humboldt Tenant Improvements 2022 6th Street, Eureka	Report Page:	(Page 7 of 7)
RTIFICATE OF COMPLIANCE			NRCC-LTO-E
C-LIO-E			CALIFORNIA ENERGY COMMINISSION

I certify that this Ce	rtificate of Compliance documentation	on is accurate and complete.
Documentation Author Nam DONALD ALAMEIDA Company: Address: City/State/Zip:	Alameida Architecture 555 S. Main St. Suite 2 Sebastopol, CA 95472	Documentation Author Signature: Signature Date: 5/10/22 CEA/ HERS Certification Identification (if applicable): Phone: 707 824-1219
The information I am eligible und The energy feat of Title 24, Part The building des plans and specif J will ensure tha inspections. I ur	ures and performance specifications, materials, con 1 and Part 6 of the California Code of Regulations. sign features or system design features identified or ications submitted to the enforcement agency for a t a completed signed copy of this Certificate of Com iderstand that a completed signed copy of this Cert	ind correct. to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) nponents, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirer n this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculation
Responsible Designer Name DONALD ALAMEIDA Company: Address: City/State/Zip:	: —Alameida Architecture —555 S. Main St. Suite 2 —Sebastopol, CA 95472	Responsible Designer Signature:

Registration Number:	Registration Date/Time:	Registration Provider: Energy Code Ace				
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance	Report Version: 2019.1.003 Schema Version: rev 20200601	Report Generated: 2022-05-10 15:30:08				
ENERGY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEET REQUIREMENTS OF 130.0(e).						
130.1(a) MANUAL AREA CONTROLS EACH ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS BUILDING SHALL HAVE LIGHTING CONTROLS THAT ALLOW LIGHTING TO BE MANUALLY TURNED ON AND OFF MANUAL CONTROLS SHALL:						

2. BE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTING IT CONTROLS.

3. PROVIDE SEPARATE CONTROL OF GENERAL, FLOOR, WALL, WINDOW CASE DISPLAY, ORNAMENTAL AND SPECIAL EFFECTS LIGHTING SO EACH TYPE CAN BE TURNED ON AND OFF SEPARATELY WITHOUT AFFECTING OTHER LIGHTING OR EQUIPMENT.

130.1(b) MULTILEVEL LIGHTING CONTROLS GENERAL LIGHTING IN ALL ROOMS AND AREAS 100 FT2 OR GREATER AND WITH MORE THAN 0.5 WATTS PER FT2 OF LIGHTING LOAD SHALL HAVE MULTILEVEL CONTROLS THAT ALLOW LIGHT LEVELS TO BE ADJUSTED UP AND DOWN. CONTROLS SHALL PROVIDE NUMBER OF CONTROL STEPS AND UNIFORM LIGHT LEVELS PER TABLE 130.1-A.

130.1(c): SHUTOFF CONTROLS

ALL INSTALLED INDOOR LIGHTING SHALL BE EQUIPPED WITH CONTROLS TO AUTOMATICALLY REDUCE LIGHTING POWER WHEN SPACE IS TYPICALLY UNOCCUPIED.

ALL INSTALLED INDOOR LIGHTING SHALL HAVE ALL OF THE FOLLOWING:

A. CONTROL(S) CAPABLE OF AUTOMATICALLY SHUTTING OFF ALL LIGHTING IN THE SPACE WHEN TYPICALLY UNOCCUPIED (OCCUPANT SENSING CONTROL, AUTOMATIC TIME-SWITCH CONTROL, OR OTHER)

B. SEPARATE CONTROLS FOR LIGHTING ON EACH FLOOR (OTHER THAN STAIRWELLS) C. SEPARATE CONTROLS FOR A SPACE ENCLOSED BY CEILING HEIGHT PARTITIONS NOT EXCEEDING 5,000 FT2

C. SEPARATE CONTROLS FOR A SPACE ENCLOSED BY CEILING HEIGHT PARTITIONS NOT EXCEEDING 5,000 FT2

D. SEPARATE CONTROLS FOR GENERAL, DISPLAY, ORNAMENTAL, AND DISPLAY CASE LIGHTING

E. AUTOMATIC TIME-SWITCH CONTROLS MAY INCLUDE MANUAL-ON MODE

|130.1(c)2: COUNTDOWN TIMER SWITCHES

COUNTDOWN TIMER SWITCHES ONLY ALLOWED TO MEET SHUT-OFF REQUIREMENTS IN CLOSETS < 70 FT2 AND SERVER AISLES IN SERVER ROOMS. MAXIMUM TIMER SETTINGS: 10 MINUTES FOR CLOSETS, 30 MINUTES FOR SERVER AISLES

Indoor Lighting Mandatory Measures:

130.1(c)6 PARTIAL OR FULL-OFF OCCUPANT SENSORS

PROVIDE PARTIAL OR FULL-OFF OCCUPANT SENSORS, IN ADDITION TO SHUTOFF CONTROLS PER 130.1(c)1 AND 130.1(c)2, IN THE FOLLOWING SPACES:

• AISLE WAYS AND OPEN AREAS IN WAREHOUSES LIBRARY BOOK STACK AISLES

CORRIDORS AND STAIRWELLS

130.1(f) CONTROL INTERACTIONS EACH LIGHTING CONTROL INSTALLED TO MEET 130.1 REQUIREMENTS SHALL INCORPORATE THE FUNCTIONS OF OTHER LIGHTING CONTROLS REQUIRED BY THIS

. FOR GENERAL LIGHTING, MANUAL AREA CONTROL SHALL PERMIT THE LEVEL OF LIGHT PROVIDED WHILE LIGHTING IS ON TO BE SET OR ADJUSTED BY CONTROLS SPECIFIED IN 130.1(b), (c), (d) and (e).

. MANUAL AREA CONTROL SHALL PERMIT SHUTOFF CONTROL TO TURN THE LIGHTING DOWN OR OFF.

3. MULTILEVEL CONTROL SHALL PERMIT THE AUTOMATIC DAYLIGHTING CONTROL TO ADJUST ELECTRIC LIGHTING IN RESPONSE TO DAYLIGHT.

4. MULTILEVEL CONTROL SHALL PERMIT THE DEMAND RESPONSIVE (DR) CONTROL TO ADJUST LIGHTING DURING A DR EVENT THEN RETURN IT TO THE LEVEL SET BY THE CONTROL AFTER THE EVENT.

5 SHUTOFF CONTROL SHALL PERMIT THE MANUAL AREA CONTROL TO TURN THE LIGHTING ON.

5. AUTOMATIC DAYLIGHTING CONTROL SHALL PERMIT MULTILEVEL LIGHTING CONTROL TO ADJUST THE LIGHTING LEVEL.

7. FOR LIGHTING CONTROLLED BY MULTILEVEL LIGHTING CONTROLS AND OCCUPANT SENSING CONTROLS THAT PROVIDE AUTOMATIC-ON FUNCTION, CONTROLS SHALL PROVIDE A PARTIAL-ON FUNCTION THAT IS CAPABLE OF AUTOMATICALLY ACTIVATING BETWEEN 50-70% OF CONTROLLED LIGHTING POWER.

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Outdoor Lighting CALIFORNIA ENERGY COMMISSION NRCC-LTO-E CERTIFICATE OF COMPLIANCE NRCC-ITO-

County of Humboldt Tenant Improvements 2022 6th Street, Eureka Report Page:

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by

When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Shut-Off Auto-Schedule Motion Sensor Field Inspector Area Description §130.2(c)1 §130.2(c)2 §130.2(c)3 Pass Fail NA: Wall >=24 ft Outdoor meeting room for County: G Astronomical Timer

I. LIGHTING POWER ALLOWANCE (per §140.7) This table includes areas using allowance calculations per §140.7. General Hardscape . Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B "Use it or lose it" Allowance (select all that apply) (select all that apply) ndicate which allowances are being used to expand sections for user input. Luminaires ☐ Sales Frontage ☐ Ornamental that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use Allowance Application it or lose it" allowance. Table K Table I (below) Table J Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 0, 1 & 4)

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3) J. LIGHTING ALLOWANCE: PER APPLICATION

X: Not permitted by health & safety to be turned off; EXCEPTION 1 to <u>§130.2</u>

K. LIGHTING ALLOWANCE: SALES FRONTAGE This section does not apply to this project.

as a transfer of the second of the transfer of

This section does not apply to this project

Registration Number: Registration Date/Time: Registration Provider: Energy Code Ace

STATE OF CALIFORNIA Outdoor Lighting

CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-LTO-(Page 5 of **7** Project Name: County of Humboldt Tenant Improvements 2022 6th Street, Eureka Report Page: Project Address: 2022-05-10T18:30:07-04:0

L. LIGHTING ALLOWANCE: ORNAMENTAL This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This table includes areas using the wattage allowance per specific area from Table 140.7-B. More than one specific area allowance may be taken in a single project, if applicable. However, multiple specific area allowances may not be taken for the exact same area on the site.

01	02	03	04	05	06	07	08	09	10
			CALCULATED ALLOWANCE (Watts)		DESIGN WATTS				Addition
Area Description	Specific Area Type per Table 140.7-B	Specific Area (ft ²) ¹	Allowed Density (W/ft²)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	Allowan
Outdoor meeting room for County	NonSalesCanopy	400	0.27	108	G	18	13	234	108
Total Design Watts for this Area: 234									
Total Allowance (Watts) All Areas:							108		

 1 FOOTNOTES: See Table 140.7-B for rules for calculating the specific areas (ft 2 for these additional lighting allowances. For luminaires indicated in Table F as linear, wattage in column 07 is W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only) This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

elections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at ttps://www.energy.ca.gov/title24/2019standards/2019 compliance documents/Nonresidential Documents/NRCI/

nttps://www.cnergy.cu.gov/trac24/2019standards/2019_compliance_documents/workesdential_botaments/witch		
Form/Title	Field Inspector	
1 of my flac		Fail
NRCI-LTO-01-E - Must be submitted for all buildings		
NRCI-LTO-02-E- Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.		

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Outdoor Lighting CALIFORNIA ENERGY COMMISSION NRCC-LTO-E CERTIFICATE OF COMPLIANCE County of Humboldt Tenant Improvements 2022 6th Street, Eureka Report Page: (Page 6 of 7 Project Address: 2022-05-10T18:30:07-04:0

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification

Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html			
Form/Title	Systems/Spaces To Be Field	Field Inspector	
1 omly nue	Verified	Pass	Fail
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Outdoor meeting room for County: G		

STATE OF CALIFORNIA Outdoor Lighting

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CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-LTO-E County of Humboldt Tenant Improvements 2022 6th Street, Eureka Report Page: Project Name: (Page 1 of 7) Project Address: 2022-05-10T18:30:07-04:0

. GENERAL INFORMATION 1 Project Location (city) 04 Total Illuminated Hardscape Area (ft²) 02 Climate Zone 03 Outdoor Lighting Zone per Title 24 Part 1 §10.114 or as designated by Authority Having Jurisdiction (AHJ) □ LZ-0: Very Low - Undeveloped Parkland □ LZ-2: Moderate - Rural Areas LZ-4: High - Must be reviewed by CA Energy Commission for Approval ■ LZ-3: Moderately High - Urban Areas ☐ LZ-1: Low - Developed Parkland

B. PROJECT SCOPE his table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or 41.0(b)2L for alterations. My Project Consists of:

■ New Lighting System ust Comply with Allowances from §140. ☐ Altered Lighting System your alteration increasing the connected lighting load (Watts)?

Yes

No % of Existing Luminaires Being Altered1 Sum Total of Luminaires Being Added or Altered Calculation Method \square < 10% \square >= 10% and < 50% \square >= 50%

STATE OF CALIFORNIA **Outdoor Lighting**

C. COMPLIANCE RESULTS

CALIFORNIA ENERGY COMMISSION NRCC-LTO-E CERTIFICATE OF COMPLIANCE NRCC-LTO-F (Page 2 of **7**) 2022-05-10T18:30:07-04:0

FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

ults in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below. **Compliance Results** 08 09 Hardscape

Total Allowed Total Actual Application Frontage Allowance 7 must be >= 08 Allowance §140.7(d)1 (See Table L) (See Table J (See Table K) (See Table IV (See Table I (See Table N COMPLIES Cutoff Compliance (See Table G for Deta

D. EXCEPTIONAL CONDITIONS

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

Controls Compliance (See Table H for Detai

. ADDITIONAL REMARKS

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

lease proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE Project Name: County of Humboldt Tenant Improvements 2022 6th Street, Eurek (Page 3 of 7) 2022-05-10T18:30:07-04:0

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with §140.7 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L only new luminaires being installed and eplacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included).

Designed Wattage Watts per 6,200 initial Luminaire otal number Excluded pe lame or Ite Inspector Complete Luminaire Description Wattage Design Watts umen output luminaire1 luminaires² Status³ §140.7(a) Tag determined Pass Fail §130.2(b) 4 NA: < 6200 canopy recessed can -☐ Linear Mfr. Spec outdoor rated lumens **Total Design Watts:**

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved. X: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b)

¹FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)

² For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.

³ Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.

⁴ Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by §130.2(b)

G. CUTOFF REQUIREMENTS (BUG) This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Date/Time: Report Version: 2019.1.003

Schema Version: rev 20200601

Registration Provider: Energy Code Ace Report Generated: 2022-05-10 15:30:08

COMPLIES

PROJECT MANAGEMENT

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

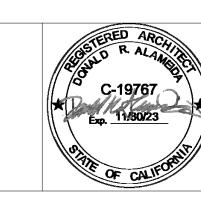
555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM



PROJECT

TENANT IMPROVENMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT **SERVICES**

> 2420 6TH STREET EUREKA, CA



No.	Description	Date
1.	PLAN CHECK COMMENTS	12/12/22
		I

TITLE 24 OUTDOOR LIGHTING

Project number	2108
Date	5/8/22
Drawn by	Author
Checked by	Checker

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Provider: Energy Code Ace Report Generated: 2022-05-10 15:30:08