TENANT IMPROVENMENTS FOR FORTUNA LIBRARY 753 14TH AVENUE, FORTUNA CA

- 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 SYMBOLS.
- 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 INDICATED.
- 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 CONSTRUCTION.
- 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**

APPLICABLE CODES

	IST OF APPLICABLE CODES	OWNER:	HUMBOLDT CO
	nia Administrative Code (CAC). Part 1. Title 24 CCR* 2019 California Building Code (CBC), Part 2.		
	R (2021 International Building Code, Vol. 1 & 2. and 2021 California amendments		825 5TH STREE
	nia Electrical Code (CEC). Part 3. Title 24 CCR		EUREKA, CA 95
(2021	National Electrical Code and 2021 California Amendments)		707-476-2388
2022 Califor	mia Mechanical Code (CMC), Part 4. Title 24 CCR		CONTACT: TRA
(2021	IAPMO Uniform Mechanical Code and 2021 California amendments)		CAO PROJECT
2022 Califor	nia Plumbing Code (CPC), Part 5, Title 24 CCR	ARCHITECT:	
(2021	IAPMO Uniform Plumbing Code and 2021 California amendments)	ARCHITECT.	
2022 Califor	nia Energy Code (CEC). Part 6, Title 24 CCR		
2022 Califor	nia Fire Code (CFC), Part 9. Title 24 CCR		ALAMEIDA A
(2021	International Fire Code and 2021 California Amendments)		555 SOUTH M
	nia Existing Building Code (CEBC). Part 10. Title 24 CCR		SEBASTOPOL
(2021	International Existing Building Code and 2021 California Amendments)		(707) 824-1219
2022 Califor	nia Green Building Standards Code (CALGreen), Part 11, Title 24 CCR		www.alameida.
2022 Califor	nia Referenced Standards Code, Part 12. Title 24 CCR		
Title	9 CCR, Public Safety, State Fire Marshal Regulations		
2016 ASME	A17.1/CSA B44-13 Safety Code for Elevators and Escalators		
		PROJ	ECT DESCR
PARTIAL L	IST OF APPLICABLE STANDARDS		
		THE PROJECT CON	NSIST OF INTERIO
SEE C.B.C.	CHAPTER 35 FOR ALL REFERENCED STANDARDS AND APPLICABLE EDITION)	LIBRARY INCLUD	
2010		TWO GENDER NE	
2010	ADA Standards for Accessibility	FINISHES.	0 110 12 110 02.551
NFPA 13	Standard for the Installation of Sprinkler Systems (CA amended) 2022 EDITION		
NFPA 14	Standard for the Installation of Standpipe and Hose Systems 2019 EDITION		
NFPA 17	Standard for Dry Chemical Extinguishing Systems 2021 EDITION		
NFPA 17A	Standard for Wet Chemical Extinguishing Systems 2021 EDITION		
NFPA 20	Standard for the Installation of Stationary Pumps for Fire Protection 2019 EDITION		
NFPA 22	Standard for Water Tanks for Private Fire Protection 2022 EDITION		
NFPA 24	Standard for the Installation of Private Fire Service Mains and		
	Their Appurtenances 2019 EDITION		
NFPA 72	National Fire Alarm and Signaling Code (CA amended); 2022 EDITION		
NFPA 80	Standard for Fire Doors and Other Opening Protectives 2019 EDITION		
NFPA 2001	Standard on Clean Agent Fire Extinguishing Systems 2018 EDITION		
UL 300	Standard for Fire Testing of Fire Extinguishing Systems for		
	Protection of Commercial Cooking Equipment 2005 (R2010) EDITION		
UL 464	Audible Signaling Devices for Fire Alarm and Signaling Systems.		
111 501	Including Accessories 2003 EDITION	BID ALTER	<u>RNATES</u>
UL 521	Standard for Heat Detectors for Fire Protective Signaling Systems 1999 EDITION		
UL 1971	Standard for Signaling Devices for the Hearing Impaired	BID ALTERNATE	1: LIGHTING REP
ICC 300	Standard for Bleachers. Folding and Telescopic Seating.		
F 1	and Grandstands 2017 EDITION	BID ALTERNATE	2: INSTALLATIO
-	te list of applicable NFPA standards see 2022 CBC (SFM) Chapter 35 and California Fire Code		
Chapter 80.	$= \mathbf{D} \cdot 1 1 1 2 2 1 2 1 2 1 2 2 1 2 1 2 1 2 2 1 2 1 2 2 1 2 2 1 2 1 2 2 1 2 2 1 2 2 2 1 2 2 2 2 2 2 2 2$		~~~~ · -
See Californ	a Building Code, Chapter 35, for State of California amendments to the NFPA Standards.		ΓΙ ΙΟΝΛΙΤΤ ΛΙ

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

DIRECTORY

HUMBOLDT COUNTY

EET, ROOM 112 95501 RAVIS SMITH T MANAGER

ARCHITECTURE MAIN STREET, SUITE 2 OL, CALIFORNIA 95472 9 la.com

CRIPTION

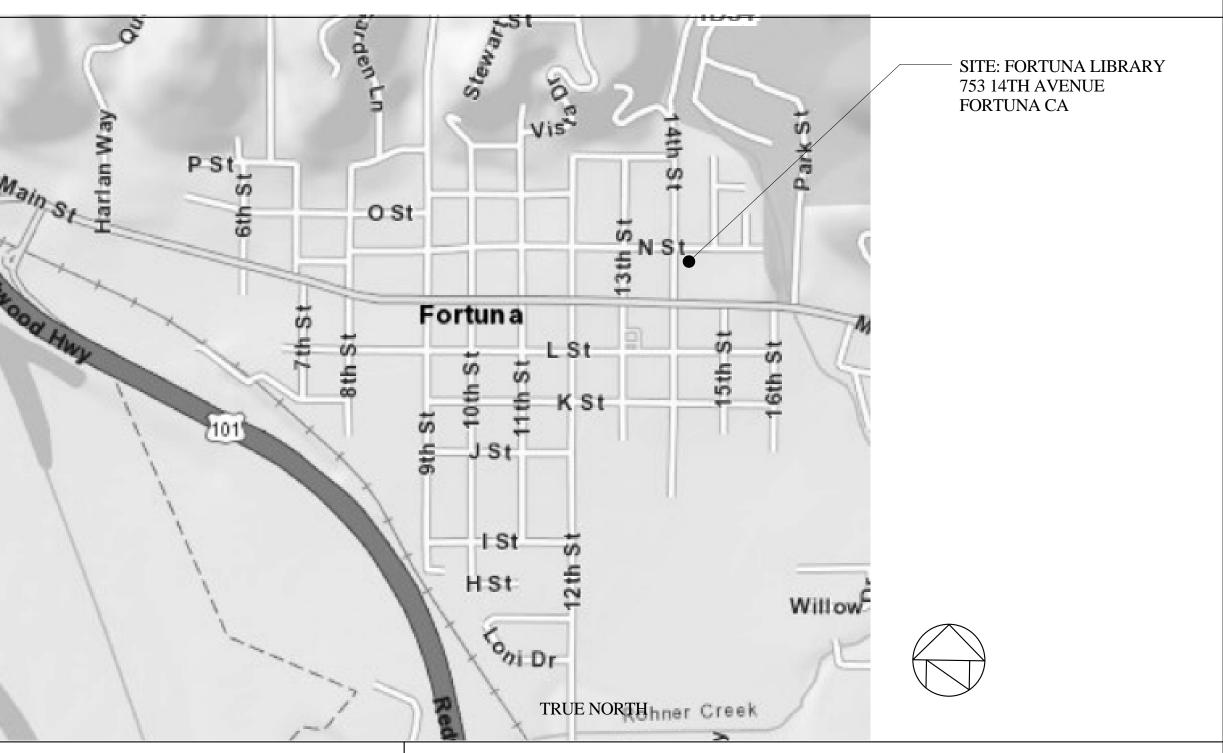
RIOR IMPROVEMENTS TO FORTUNA PARTITION MODIFICATIONS TO PROVIDE SIBLE RESTROOMS AND REPLACE INTERIOR

TON OF HEAT PUMPS & FAN COIL UNITS.

DEFERED SUBMITTALS

NONE





REPLACEMENTS FOR ALL INTERIOR LIGHTING

BUILDING STATISTICS

MAIN ADMINSTRATION / CLASSRO	OM BUILDING
OCCUPANCY (CBC 302)	A-3
USE	LIBRARY
CONSTRUCTION TYPE	V-B
BASIC ALLOWABLE AREA (At)	6,000
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	6,000
Aa = [At + (At X If) + (At X Is)]	
TOTAL BUILDING AREA	3,144 S.F.
ALLOWABE HEIGHT (FEET) (CBC TABLE 503)	40
ACTUAL HEIGHT (FEET)	14'-6"
ALLOWABLE STORIES	1
ACTUAL STORIES	1

DRAWING INDEX

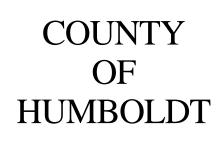
A-0	COVER
A-1	DEMOLITION PLAN
A-1.1	REFLECTED CEILING PLAN -
	DEMOLITION
A-2	FLOOR PLAN & CEILING PLAN
A-2.1	DETAIL PLANS
A-2.2	FLOOR FINISH PLAN
A-2.3	ACCESSIBILITY DETAILS
A-2.4	CASEWORK
A-3	ROOF PLAN
A-5	SCHEDULES
E-0	ELECTRICAL NOTES
E-1	ELECTRICAL PLAN AND PANEL
	SCHEDULES
E-3	LIGHTING PLAN
M-0	MECHANICAL NOTES AND
	DETAILS
M-1	MECHANCIAL AND MECH. ROOF
	PLAN
M-2	HEAT PUMP DETAILS
T24-1	INDOOR LIGHTING COMPLIANCE
	FORMS
T24-2	TITLE 24 HVAC FORMS
T24-3	T-24 HVAC MANDATORY
	MEASURES

PROJECT MANAGEMENT

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

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



PROJECT

FORTUNA LIBRARY MODIFICATIONS

753 14TH ST. FORTUNA, CA 95540



No.	Description	Date
1	PLAN CHECK COMMENTS	4/9/25
		·
	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
	COVER	

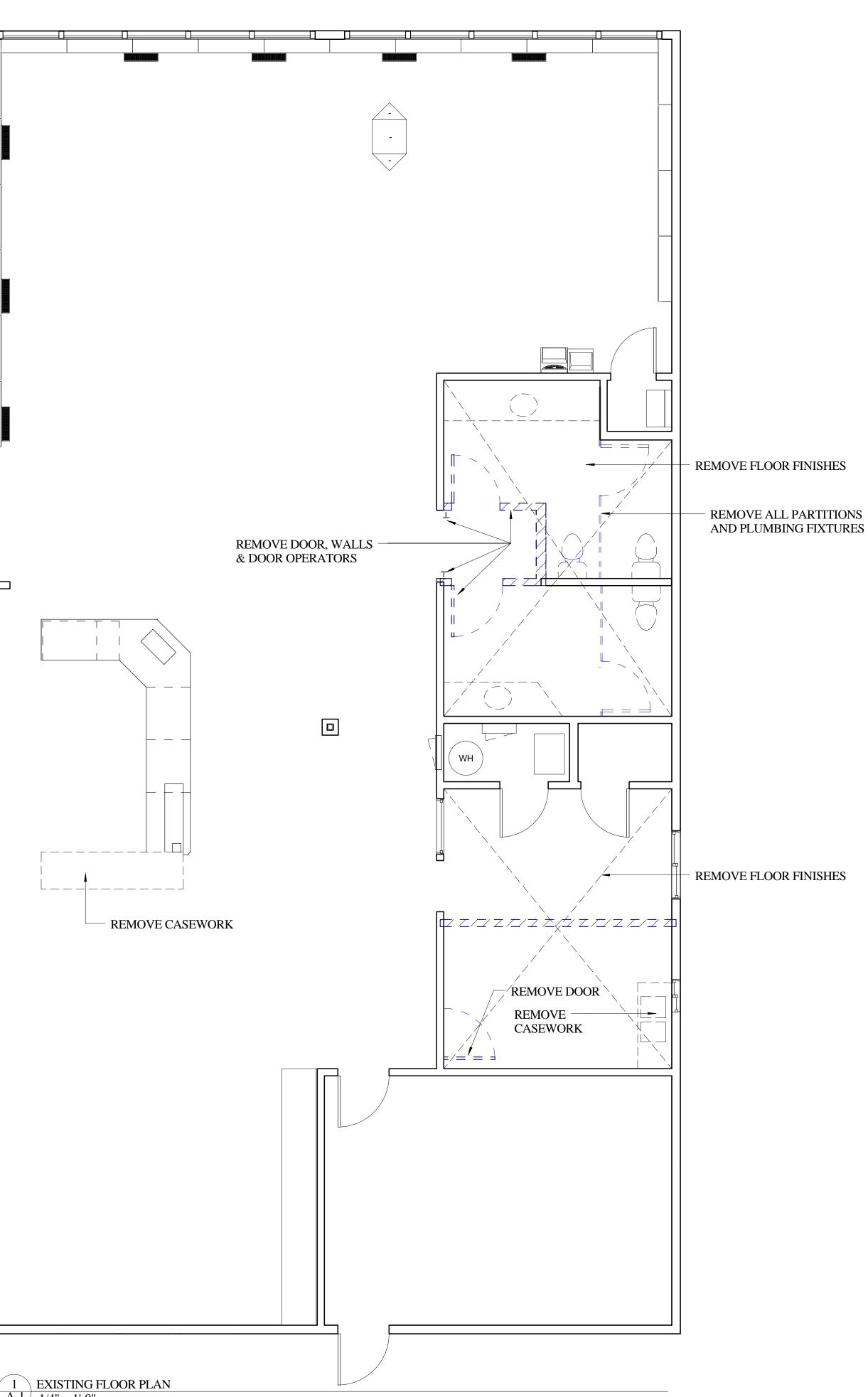
Project number Date Drawn by Checked by

Scale

Project Number 5 15 24 Author Checker

A-0

REMOVE DOOR OPERATOR TURN OVER TO COUNTY PATCH CONCRETE



(A-1) 1/4" = 1'-0"

GENERAL DEMOLITION NOTES:

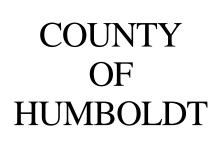
- 1. DEMOLITION DRAWINGS ARE SCHEMATIC, REMOVE ALL WORK AS INDICATED AND AS NECESSARY TO COMPLETE NEW CONSTRUCTION. REFER TO MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION.
- 2. OWNER TO REMOVE FURNITURE, STORED MATERIAL AND MOVABLE EQUIPMENT FROM BUILDING PRIOR TO DEMOLITION.
- 3. ALL UTILITIES INCLUDING BUT NOT LIMITED TO ELECTRICAL, GAS, SEWER, FIRE ALARM, AND DATA PRIOR TO COMMENCING WITH DEMOLITION BY OTHERS PRIOR TO DEMOLITION OF BUILDING.
- 4. POWER AND DATA CROSS OVER JUNCTIONS AND SPLICES TO MAINTAN CAMPUS SERVICES ELSEWHERE PERFORMED BY OTHER PRIOR TO DEMOLITION
- 5. CONTRACTOR TO NOTIFY UNDERGROUND SERVICES ALERT (USA) (800) 642-2444 AND OTHER APPROPRIATE ENTITIES AT LEAST 48 HOURS IN ADVANCE.. CONTRACTOR NOT TO COMMENCE WITH DEMOLITION OR EXCAVATION PRIOR TO ALL UTILIES BEING IDENTIFIED AND MARKED ON SITE.
- 6. PRIOR TO DEMOLITION REFER TO HAZARDOUS MATERIAL SURVEY AND ABATEMENT DOCUMENTATION PROVIDED BY THE OWNER. COORDINATE WORK WITH HAZARDOUS MATERIAL CONTRACTOR AS DIRECTED BY OWNER, SEE SPECIFICATIONS GENERAL CONDITIONS FOR FURTHER INFORMATION REGARDING DISCOVERY OF HAZARDOUS MATERIALS DURING DEMOLITION OPERATION.
- 7. SALVAGE FIRE ALARM DEVICES, CLOCKS, SPEAKERS, TELEPHONES AND DELIVER TO OWNER.
- 8. VERIFY EXISITING CONDITIONS AND INVERT ELEVATIONS AT UNDERGROUND UTILITIES, INCLUDING BUT LIMITED TO ELECTRICAL, COMMUNICATIONS, SEWER, STORM DRAIN, PLUMBING AND IRRIGATION PRIOR TO COMMENCING WORK, CUT BACK UTILITIES TO FOUR FEET FROM OUTLINE OF NEW BUILDING, PROTECT / COVER OPENINGS WHERE EXISTING UTILITIES TO BE CONNCTED TO NEW BUILDING FROM DEMOLITION DEBRIS. CAP ALL UTILITIES THAT ARE TO BE ABANDONED.
- 9. PLANS PREPARED FROM ALL KNOWN INFORMATION PROVIDED BY THE OWNER AND SURVEYOR, EXISTING OR CONCEALED CONDITIONS MAY EXIST, NOTIFY ARCHITECT OF ANY DECREPANCIES OR UNDOCUMENTED UTILITIES.
- 10. CONTRACTOR RESPONSIBLE FOR ALL SHORING, BRACING AND SUPPORTS TO PROTECT ADJACENT AREAS FROM DISPLACEMENT OR SETTLEMENT.
- 11. ALL DEMOLISHED MATERIAL IS THE PROPERTY OF THE CONTRACTOR AND TO BE REMOVED IN A LEGAL MANNER. PRIOR TO DEMOLITION OWNER TO INDICATE ANY ITEMS TO BE SALVAGED AND DELIVERED BY CONTRACTOR TO THE OWNER.
- CONTRACTOR TO COMPLY WITH ALL LOCAL, STATE AND 12. FEDRAL ORDINANCES AND LAWS DICTATING ACCEPTABLE NOISE, ODOR, DUST AND DEBRIS MITIGATING MEASURES AND MINIMIZE IMPACT TO ADJACENT BUILDINGS, SITE AND ROADWAYS. 13.
- NO WORK TO COMENCE UNTIL PLANS BEAR APPROVED BY DSA STAMP.
- 14. WORK SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 33 OF THE CBC & SFC "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION"

PROJECT MANAGEMENT

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

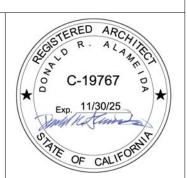
555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM



PROJECT

FORTUNA LIBRARY MODIFICATIONS

753 14TH ST. FORTUNA, CA 95540



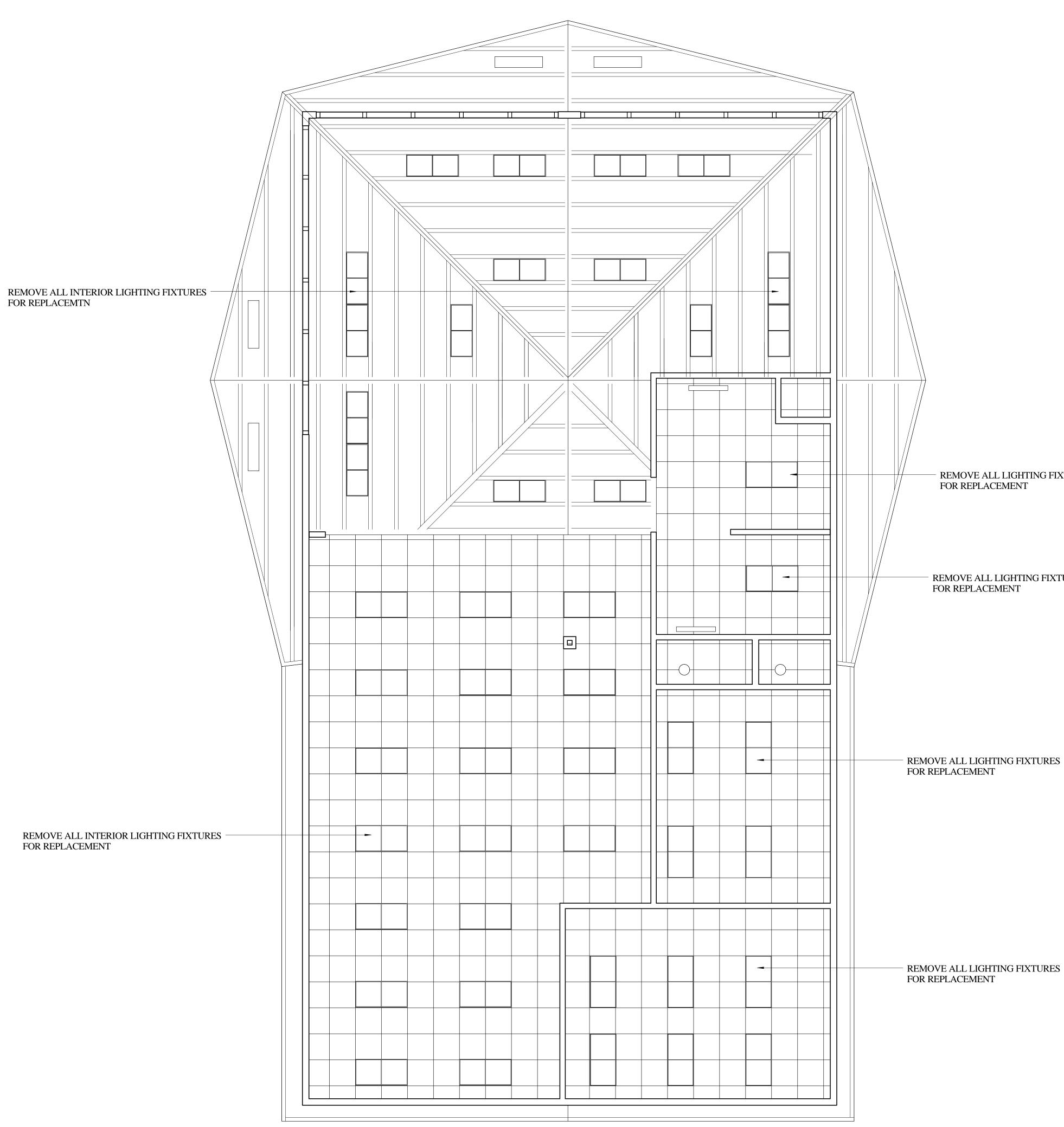
No.	Description	Date
1	PLAN CHECK COMMENTS	4/9/25

DEMOLITION PLAN

A-I

Project number Date Drawn by Checked by

Project Number 5 15 24 Author Checker



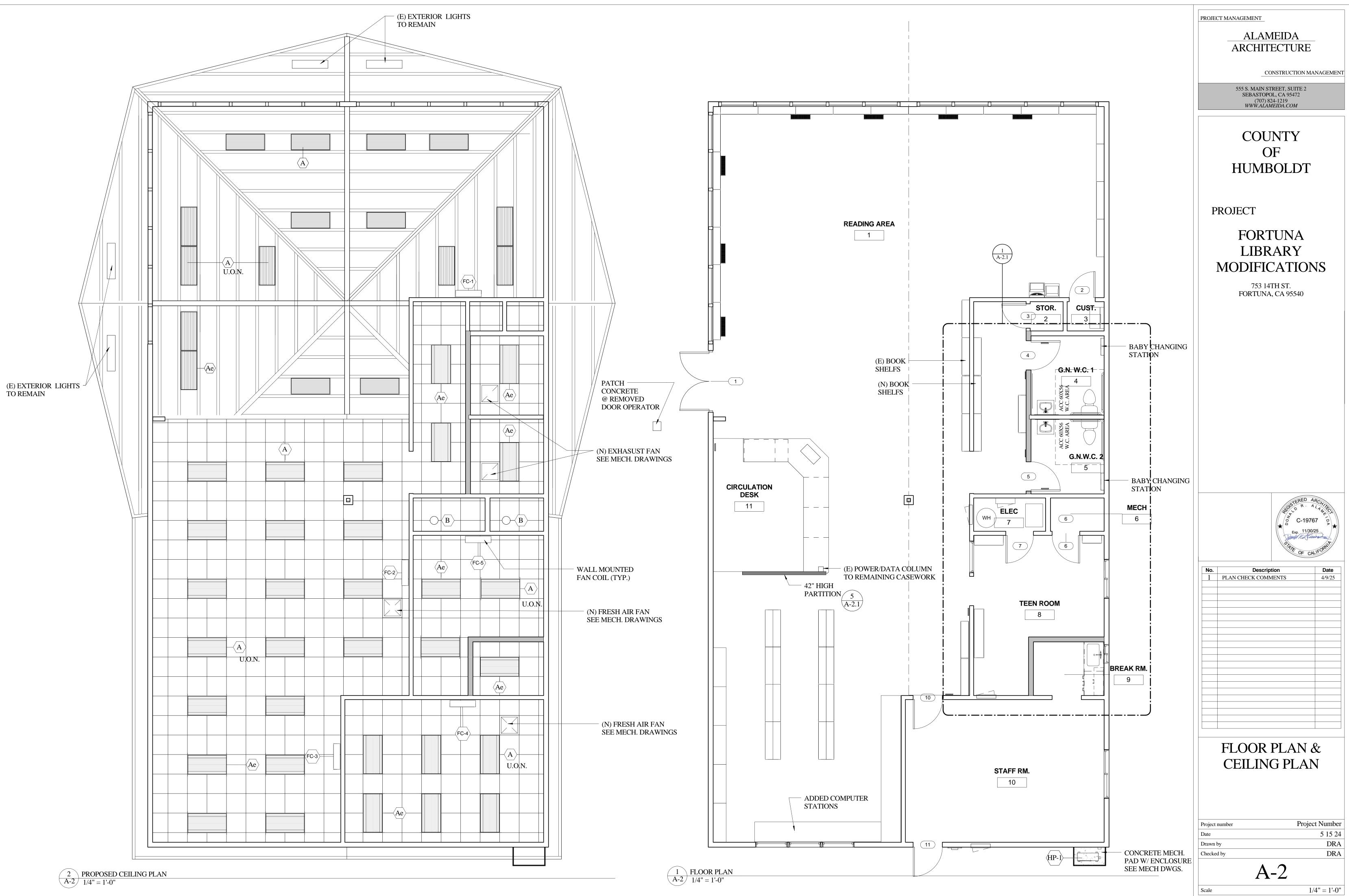
- REMOVE ALL LIGHTING FIXTURES

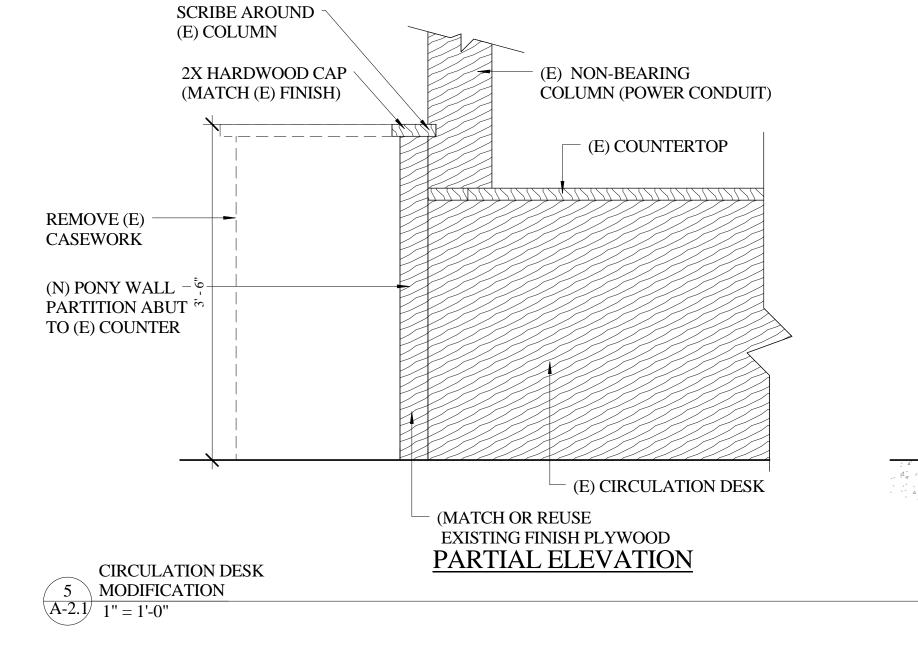
- REMOVE ALL LIGHTING FIXTURES

PROJECT MANAGEMENT ALAMEIDA ARCHITECTURE CONSTRUCTION MANAGEMENT 555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM COUNTY OF HUMBOLDT PROJECT FORTUNA LIBRARY MODIFICATIONS 753 14TH ST. FORTUNA, CA 95540 C-19767 Exp. 11/30/25 No. Description Date 1 PLAN CHECK COMMENTS 4/9/25 **REFLECTED CEILING** PLAN - DEMOLITION Project Number Project number

Date Drawn by Checked by

5 15 24 Author Checker A-1.1



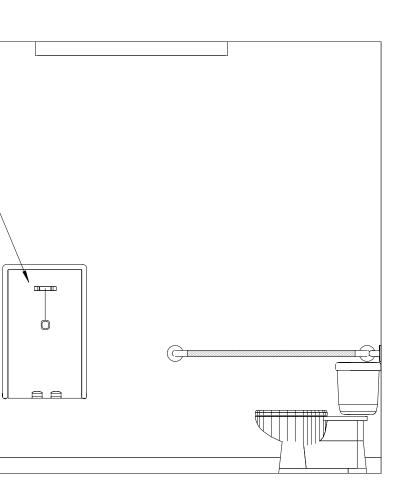


ACC SINK

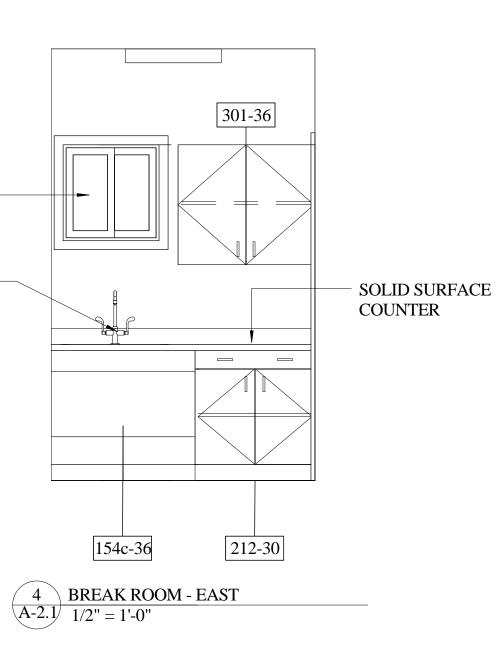
(E) WINDOW

- DRYWALL

STATION - MIRROR -**GRAB BARS** ACC. LAV. ACC. TOILET ((((U)))) FRP PANELS -GENDER NEUTRAL W.C.-1 -3 SOUTH A-2.1 1/2'' = 1'-0''NOTE: GENDER NOTE: GENDER NEUTRAL W.C.-2 SIMIALR



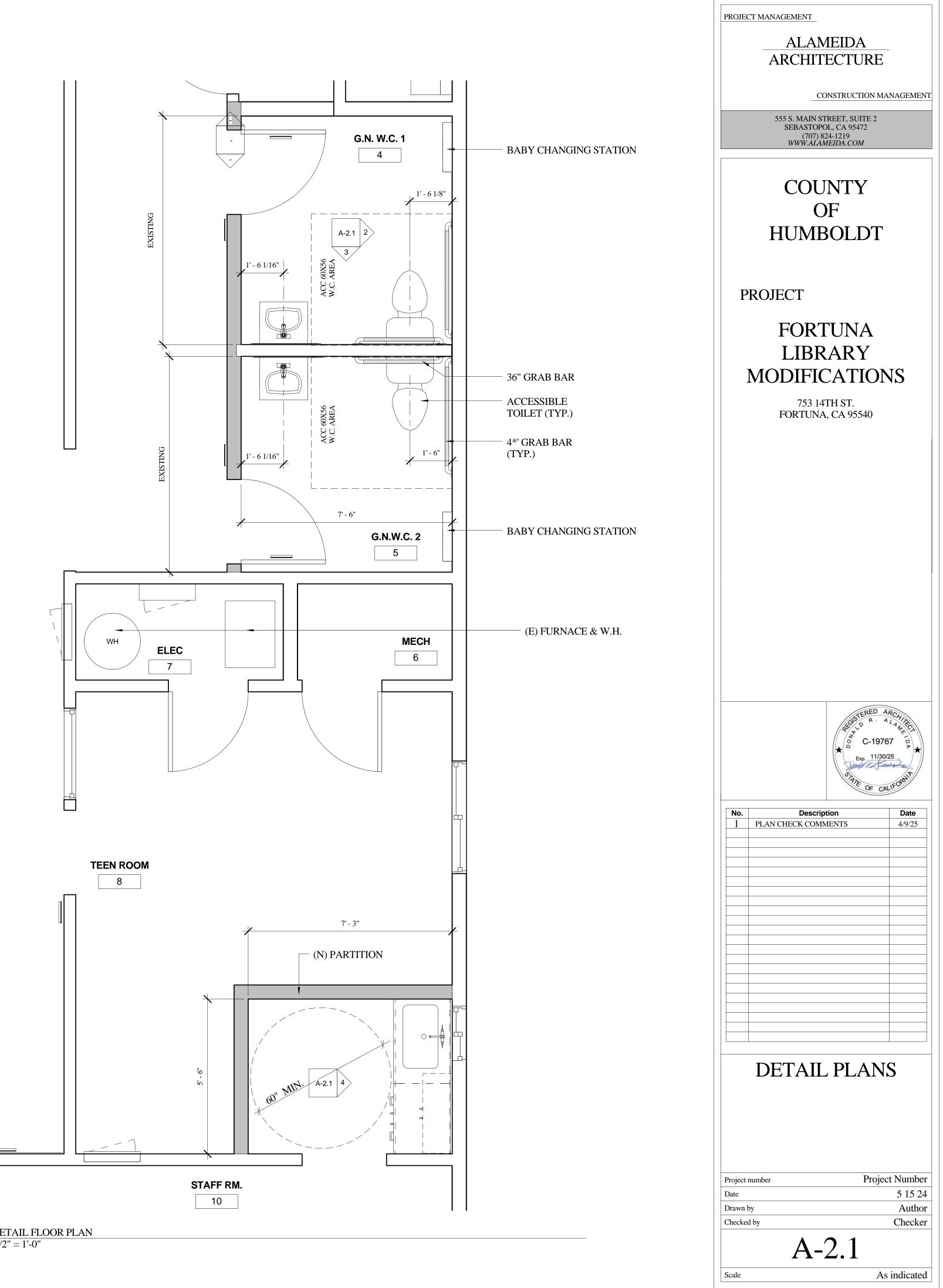
GENDER NEUTRAL W.C.-1 - $\begin{array}{c} 2 \\ \hline 2 \\ \hline A-2.1 \\ \hline 1/2" = 1'-0" \end{array}$

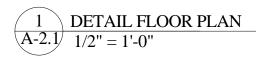


2X6 HARDWOOD CAP - 2X4 PLATE — 1/2" HARDWOOD PLYWOOD MATCH OR REUSE EXISTING – 2X4 'S @ 16" O.C. - HILTI KB-TZ2 1/2" DIA. X 3 1/4" WEDGE ANCHOR @ 32" O.C. X

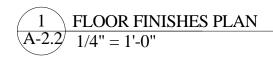


------ 6 1/16" 60X ARE ACC W.C. 1' - 6 1/16" _____ 7' - 6'' -WH ELEC 7

















ALAMEIDA ARCHITECTURE CONSTRUCTION MANAGEMENT CARPET TILES: 555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM CT-1: TARKETT HYBRID CARPET "TEXTURE MAP", " TUNDRA FLOWER", "COLLARY" OR "CREATE SPACE" CARPET TILES COUNTY COLOR SELECTED BY OWNER OF CT-2: TARKETT HYBRID CARPET "TEXTURE MAP", " TUNDRA HUMBOLDT FLOWER", "COLLARY" OR "CREATE SPACE" CARPET TILES COLOR SELECTED BY OWNER WALK-OFF CARPET PROJECT FORTUNA WO-1: TANDUS POWERBOND LIBRARY ABRASIVE ACTION II WALK-OFF CARPET MODIFICATIONS COLOR SELECTED BY OWNER 753 14TH ST. FORTUNA, CA 95540 SHEET RESILIENT FLOOR: SF-1: TARKETT IQ OPTIMA SHEET VINYL COLOR TO BE SELECTED BY OWNER SF-2: TARKETT IQ OPTIMA SHEET VINYL COLOR TO BE SELECTED BY OWNER SF-3: TARKETT L.V.T. EVENT+ WOOD COLOR TO BE SELECTED BY OWNER EXISTING FLOORING Description No. Date PLAN CHECK COMMENTS 4/9/25 FLOOR FINISH PLAN Project Number Project number

PROJECT MANAGEMENT

Date

Drawn by

Checked by

1/4" = 1'-0"

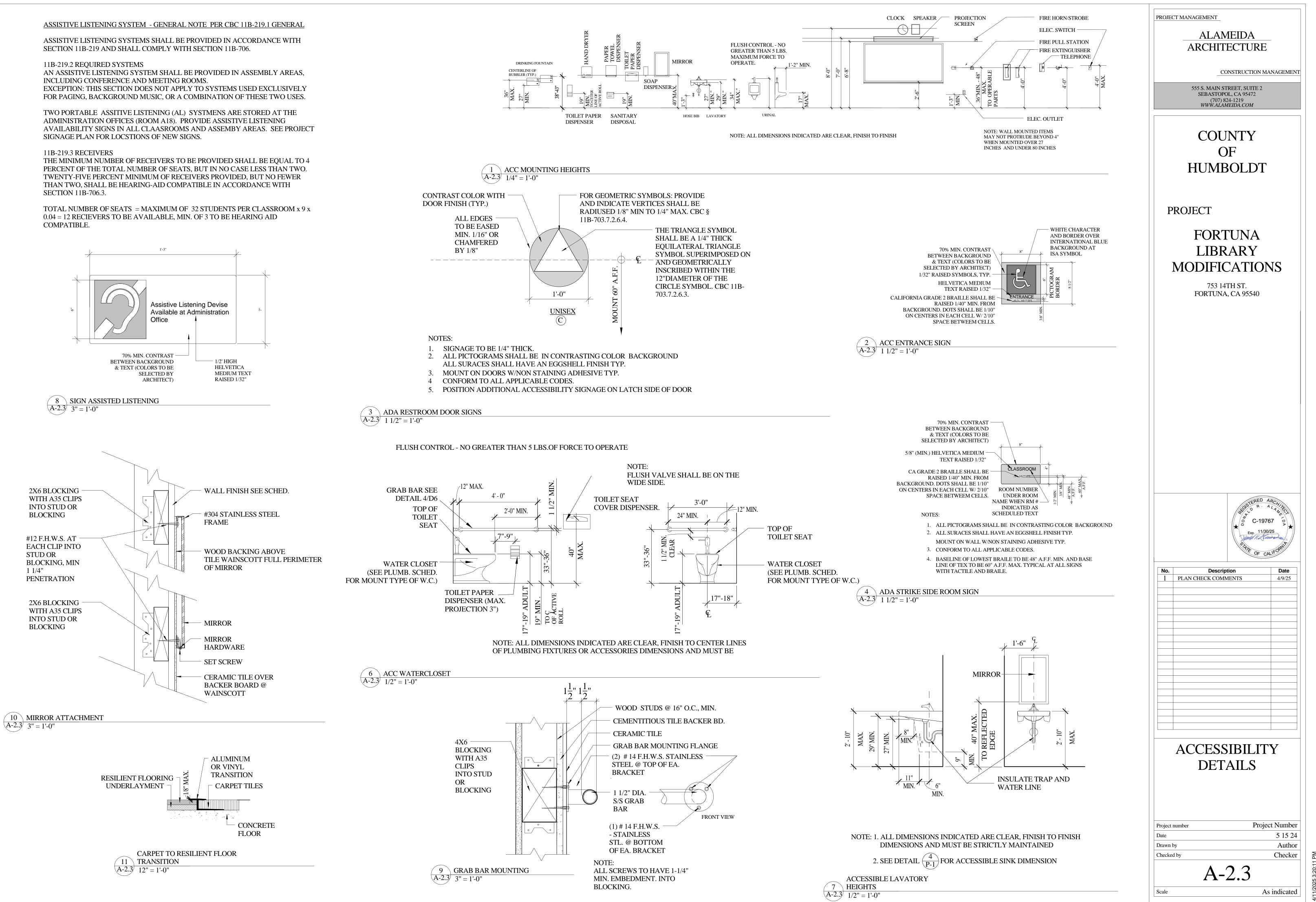
A-2.2

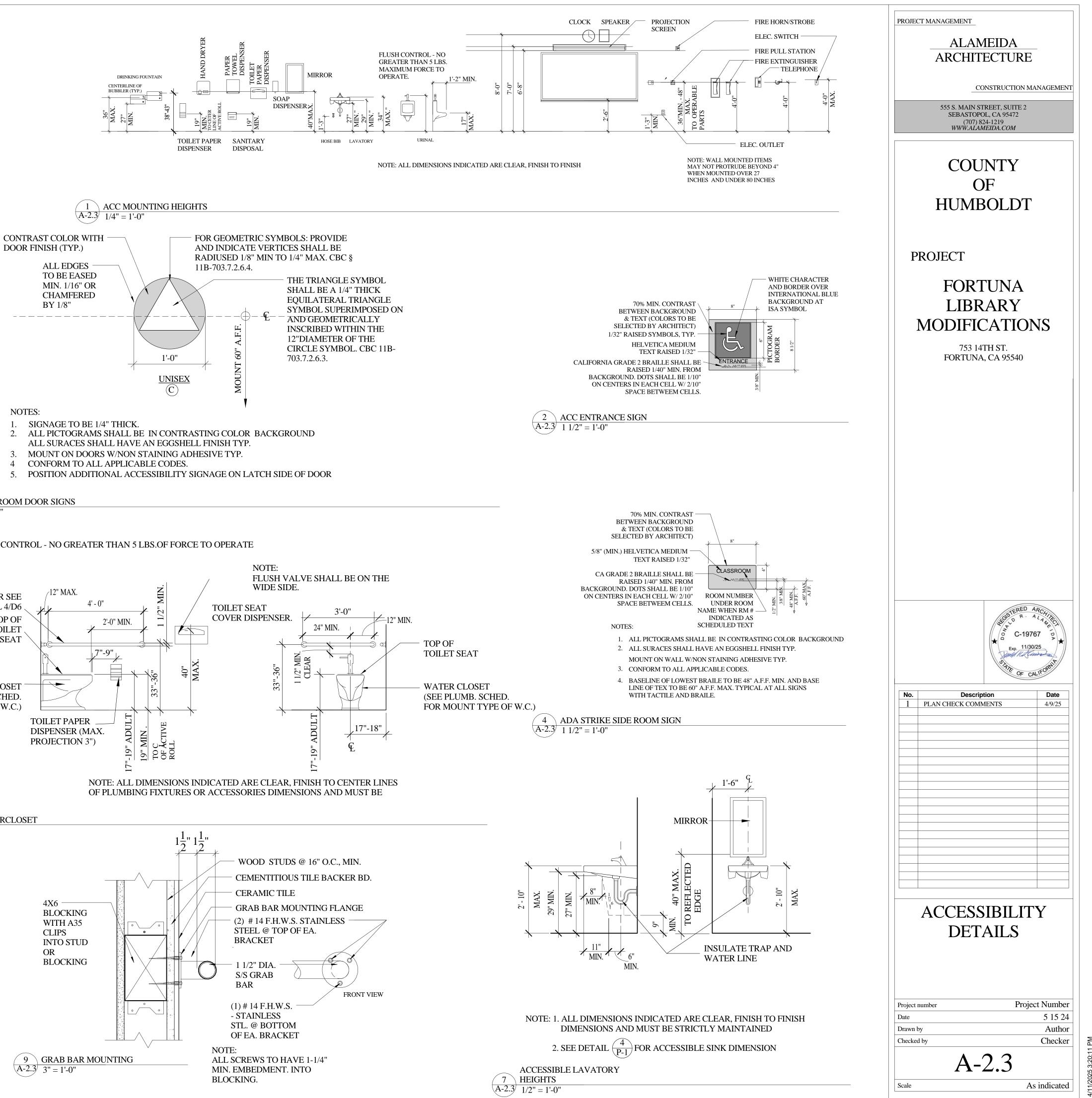
5 15 24

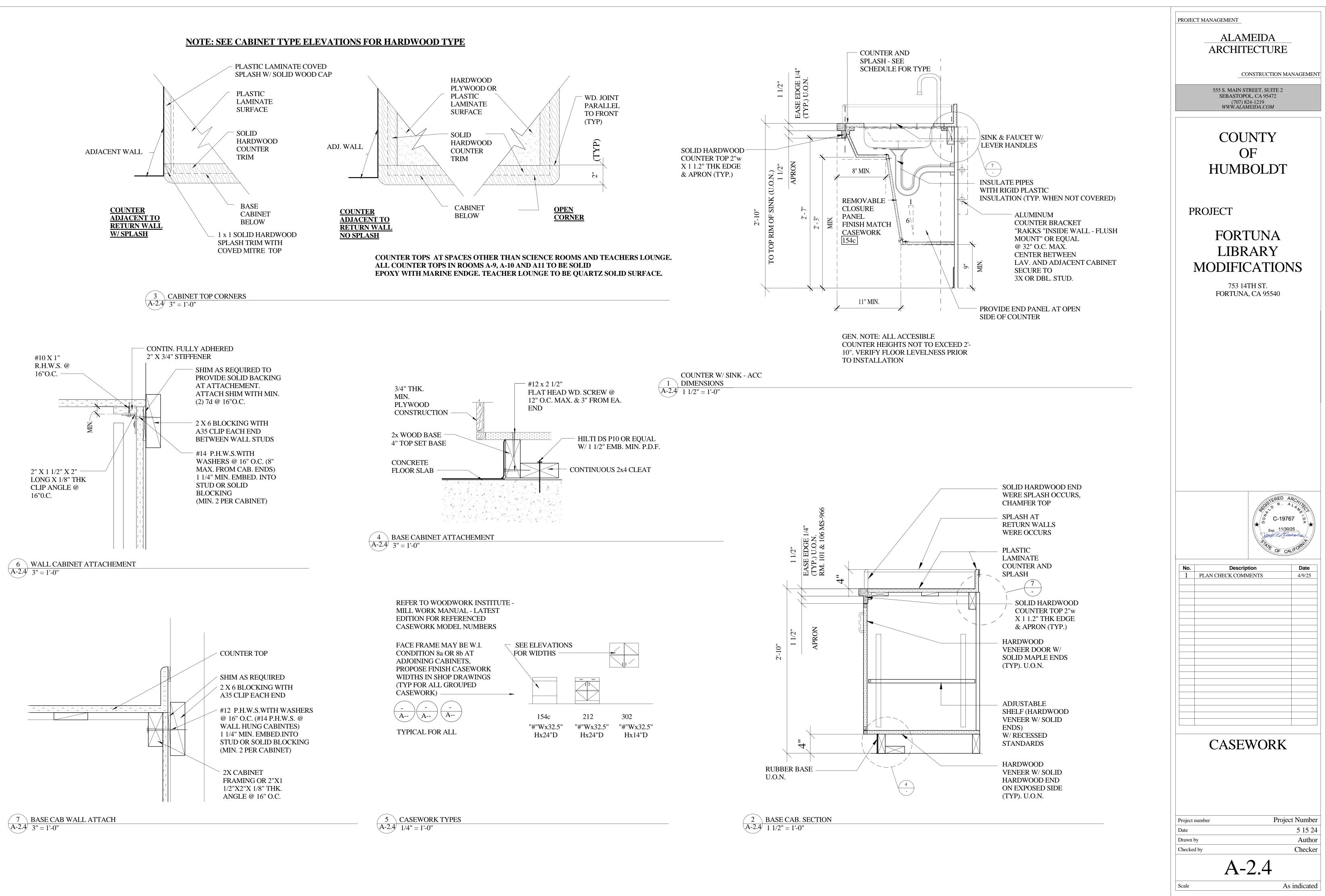
Author

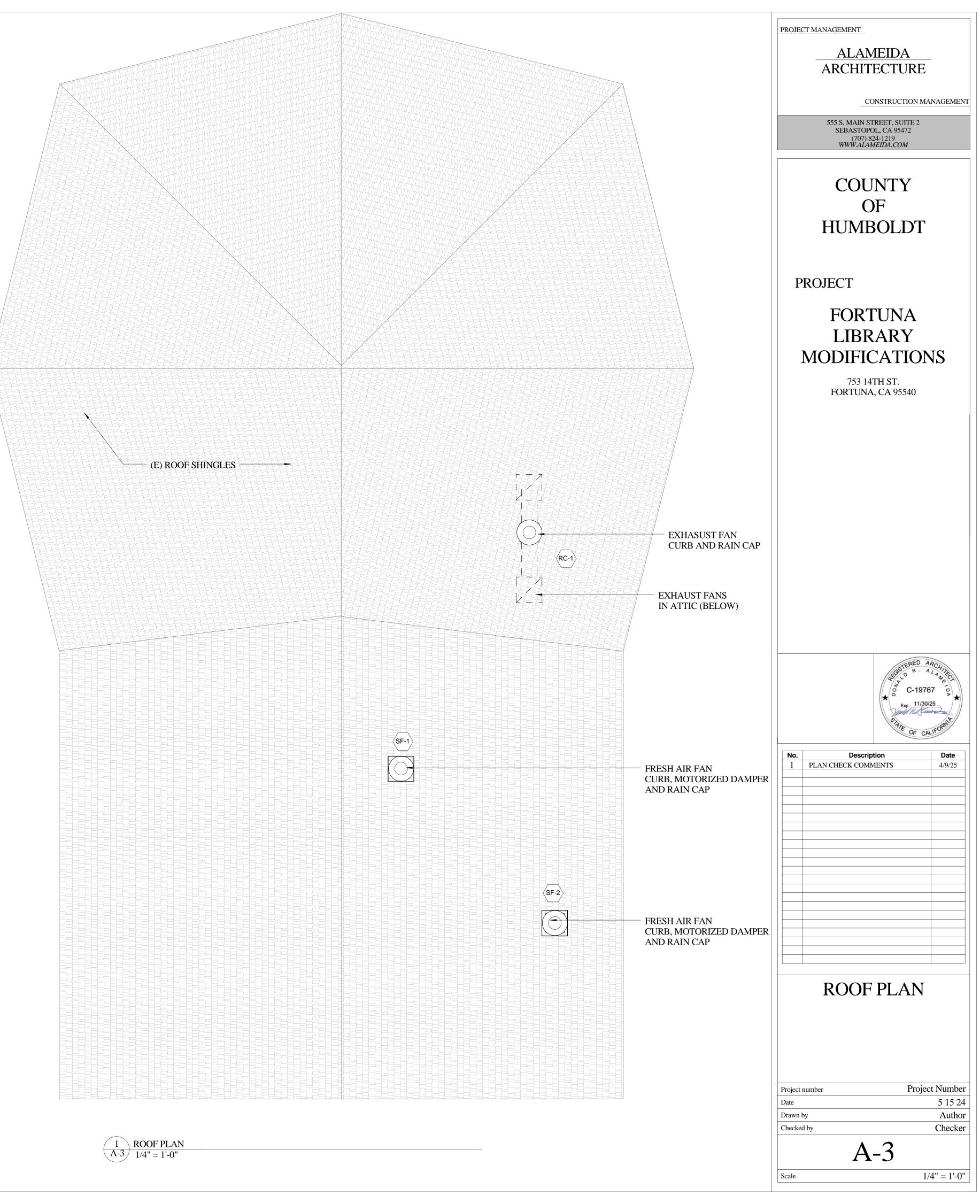
Checker

ASSISTIVE LISTENING SYSTEMS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 11B-219 AND SHALL COMPLY WITH SECTION 11B-706.



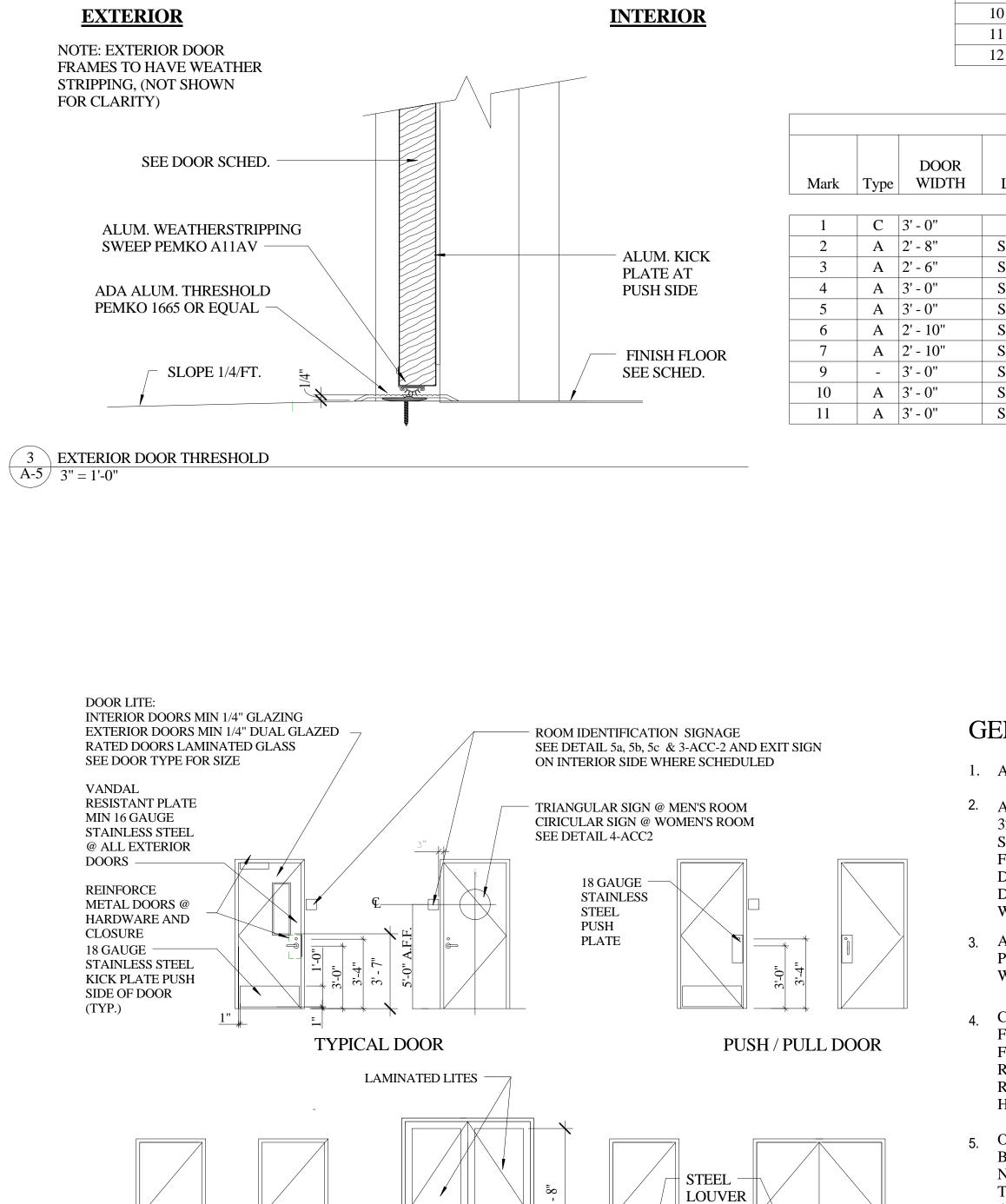








4
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1



2

+

D STEEL DOOR W/

LOUVER

 $\overline{}$

1'-8''

F STEEL DOOR W/

LOUVER

2 DOOR TYPES

A SOLID WOOD DOOR

B FRP DOOR

PANIC HARDWARE

(WHEN SPECIFIED)

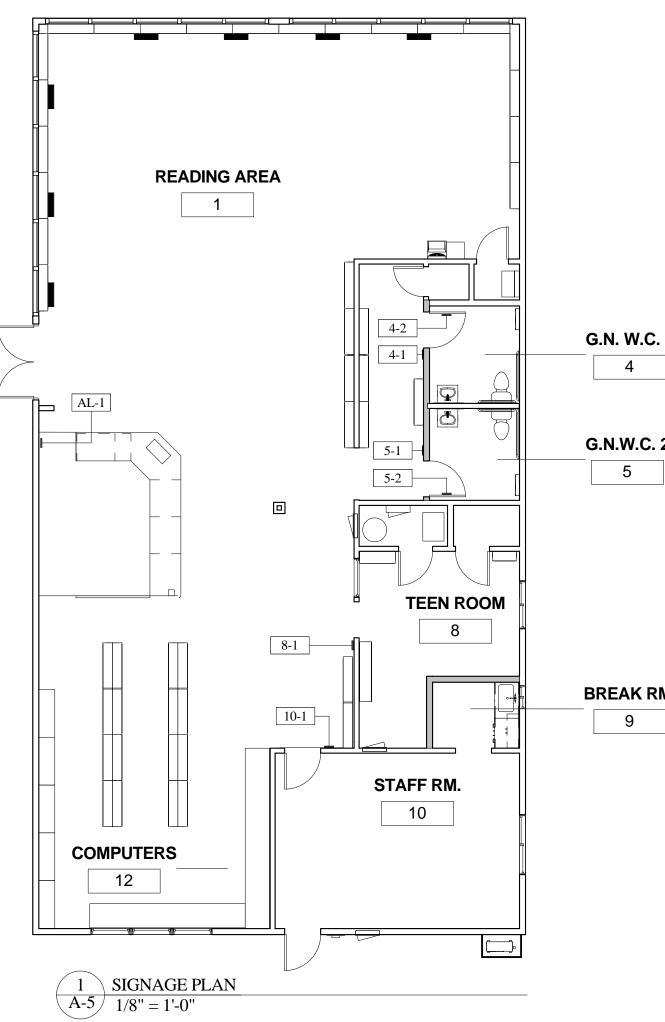
C

PAIR FRP DOORS WITH LARGE LITES

	JMBER 1 2 3 4 5	NAME READING AREA STOR. CUST. G.N. W.C. 1 G.N.W.C. 2	BASE FL		SOUTH WALL PAINT PAINT PAINT G.B./PAINT G	COOM FINISH SCHE WEST NORTI WALL WALI PAINT PAINT PAINT PAINT PAINT PAINT B./PAINT G.B./PAI	H WAINSCO NONE NONE NONE NT FRP	T WAINSCOT HT. - - 48 INCHES 48 INCHES	CEILING PAINT G.B. / PAINT	CEILING HEIGHT COMMENTS VARIES	PROJECT MANAGEMENT ALAMEIDA ARCHITECTURE CONSTRUCTION MANAGEMENT 555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM
	6 7 8 9 10 11 12	MECH ELEC TEEN ROOM BREAK RM. STAFF RM. CIRCULATION DESK COMPUTERS		EXISTING EXISTING PAINT	EXISTING E EXISTING E PAINT G.B./PAINT G	EXISTING EXISTIN EXISTING EXISTIN PAINT PAINT B./PAINT G.B./PAI EXISTING EXISTIN PAINT - 	NG NONE NG NONE T NONE NT NONE		PAINT EXISTING EXISTING AC TILE G.B. / PAINT EXISTING	EXISITNG EXISTING MATCH EXISTING MATCH EXISTING	COUNTY OF HUMBOLDT
DOR DTH	LEAFS	Height Thickness M	DOOR Material	Finish	DOOR SC		Туре М		AME inish JAM	HEAD IB DTL. Head Height Comments	PROJECT FORTUNA LIBRARY
' ' ' ')'')'' ' '	PAIR SINGLE SINGLE SINGLE SINGLE SINGLE SINGLE SINGLE SINGLE	7' - 0" 0' - 1 3/4" EX 7' - 0" 0' - 1 3/4" SOLID 7' - 0" 0' - 1 3/4" EX 7' - 0" 0' - 1 3/4" EX	P HYBRID XISTING CORE WOOD CORE WOOD CORE WOOD XISITING XISTING NONE XISTING XISTING XISTING	FACTORY EXISTING STAIN STAIN STAIN EXISTING EXISTING EXISTING EXISTING EXISTING	NA NA NA NA NA NA NA NA NA NA	EXISTINGE233334EXISTINGEEXISTINGE	WELDED S WELDED S WELDED S EXISTING EXISTING CASED V EXISTING	- PAI STEEL PAI STEEL PAI STEEL PAI - PAI - PAI VOOD PAI - PAI	- INTED INTE	7' - 0" 7' - 0"	MODIFICATIONS 753 14TH ST. FORTUNA, CA 95540
		MARK 154c-36 212-30 301-36	ADA U BASE CABIN	DESCRIPTION NDER SINK APRON NET W/ UPPER DRAY PPER CABINET	WER	CAS WIDTH HEIGH 3' - 0" 2' - 8 1/2 2' - 6" 2' - 8 1/2 2' - 10" 2' - 6"	." 23' - 3"			OUNTER 24" MAX. OUNTER 24" MAX. OUNTER 24" MAX. NOTE: ALL SIGNS WILL BE PROVIDED BY THE OWNER INSTALLED BY THE CONTRACTOR	
1. 2.	ALL HING ALL DOOI 32" CLEAF SPECIFICA FIELD ME DIMENSIC DRAWINC WEATHEF ALL DOOI	L NOTES: DOORS ED DOORS TO BE 1-3/4" U.O.N. R SIZES GIVEN ARE FOR REFERE MIN. OPENING FOR ALL DOOR ALY NOTED OTHERWISE) CONTH ASURE EXISTING CONDITIONS H ONS REQUIRED FOR NEW WORK. S TO ARCHITECT FOR APPROVA RSTRIPPING AT EXTERIOR DOOR RS/FRAMES SHALL BE SHOP PRIM PER SPECIFICATIONS. ALL FRAM	RACTOR MUST RACTOR MUST FOR EXACT . PROVIDE SHOP AL. PROVIDE RS TYPICAL. MED AND		READING					SIGN SCHEDULEMARKSIGN TEXTMOUNTDETAIL REF.COMMENTS4-1GENDER NEUTRAL RESTROOMWALL4/A-2.34-2NO TEXT - CIRCLE/TRIANGLEDOOR3c/A-2.35-1GENDER NEUTRAL RESTROOMWALL4/A-2.35-2NO TEXT - CIRCLE/TRIANGLEDOOR3c/A-2.35-1TEEN ROOMWALL4/A-2.3	No. Description Date 1 PLAN CHECK COMMENTS 4/9/25
	WELDED. CONTRAC FROM DO FORCE CO REQUIREN REQUIREN HAVING J OPERABL BE OPERABL BE OPERA NOT REQU TWISTINC	TOR SHALL PROVIDE LETTER OF OR CLOSER MANUFACTURER OF OMPLIANCES TO THE ADA/CALII MENT. (5 lbf INTERIOR, 5 lbf EXTI O FIRE DOORS IF ALLOWED BY A URISDICTION. E PARTS OF HARDWARE / DOORS ABLE WITH ONE HAND AND SHAN JIRE TIGHT GRASPING, PINCHING OF THE WRIST. THE FORCE TO E OPERABLE PARTS TO BE MAXI	OF CONFIRMATION N CLOSING FORNIA TITLE 24 ERIOR, 15 lbf ON AUTHORITY S TO LL IG OR				4-1 5-1 5-2 5-2 TEEN ROOM	G.N		10-1 STAFF OFFICE WALL 4/A-2.3 AL-1 ASSISTED LISTENING DEVICE WALL 8/A-2.3	
	OF 5 LBS.			11		8-1	8	Π			SCHEDULES

			EAST		M FINISH SCI EST NOR		WAINSCO							PROJECT MANAGEMENT
JMBER	NAME	BASE	FLOOR WALL	WALL WA	ALL WA	LL WAINSC	COT HT.	CEILING		T	CO	OMMENTS		ALAMEIDA ARCHITECTURE
1 2 3	READING AREA STOR. CUST.		PAINT PAINT PAINT	PAINT PA	INT PAI INT PAI INT PAI	NT NONE		PAINT	VARIES					CONSTRUCTION MANAGEMENT
4	G.N. W.C. 1		· · · · · · · · · · · · · · · · · · ·	G.B./PAINT G.B./				G.B. / PAINT	MATCH EXISTIN	G				555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219
5	G.N.W.C. 2			G.B./PAINT G.B./			48 INCHES	PAINT	MATCH EXISTIN	G				(707) 824-1219 WWW.ALAMEIDA.COM
6 7 8	MECH ELEC TEEN ROOM				STING EXIST STING EXIST INT PAI	FING NONE	2 -	EXISTING EXISTING AC TILE		G				COUNTY
9	BREAK RM.		G.B./PAINT	G.B./PAINT G.B./	PAINT G.B./P	AINT NONE	E -	G.B. / PAINT	MATCH EXISTIN					OF HUMBOLDT
10 11 12	STAFF RM. CIRCULATION DESK COMPUTERS		EXISTING - PAINT		STING EXIST INT - 	NONE	3	EXISTING	EXISTING					HUNIDOLDI
														PROJECT
-		DOOR		DOOR SCHE	DULE		FR	AME						FORTUNA
LEAFS	Height Thickness	Material	Finish	Fire Rating	Hardware	Туре	Material F	inish JAM	HEAD IB DTL. DTL.	Head Height	t	Comments	S	LIBRARY
PAIR SINGLE		P HYBRID XISTING	FACTORY EXISTING	NA NA	1 EXISTING	EXISTING EXISTING	-	-		7' - 0'' 7' - 0''				MODIFICATIONS
SINGLE SINGLE	7' - 0" 0' - 1 3/4" SOLID	CORE WOOD CORE WOOD	STAIN STAIN	NA NA	2 3	WELDED WELDED	STEEL PA	INTED INTED		7' - 0" 7' - 0"				753 14TH ST. FORTUNA, CA 95540
SINGLE SINGLE	7' - 0" 0' - 1 3/4" EX	CORE WOOD XISITING	STAIN EXISTING	NA NA		WELDED EXISTING	- PA	INTED		7' - 0" 7' - 0"				
SINGLE SINGLE SINGLE	7' - 0" 0' - 1 3/4"	XISTING NONE XISTING	EXISTING NONE EXISTING	NA NA NA	-	EXISTING CASED EXISTING	WOOD PA	INTED INTED INTED		7' - 0" 7' - 0" 7' - 0"	С	CASED OPEN	VING	
SINGLE		XISTING	EXISTING	NA		EXISTING		INTED		7' - 0"				
	MARK		DESCRIPTION	W	C DTH HEI	ASEWORK SCH GHT DEPTI		COUNT		COMME	ENTS			
	154c-36 212-30		DA UNDER SINK APRON ABINET W/ UPPER DRA		- 0" 2' - 8 1 - 6" 2' - 8 1				OUNTER 24" MAX. OUNTER 24" MAX.					
	301-36		UPPER CABINET		- 10" 2' - 6"		MAPLE	1 00	OUNTER 24 MAA.					
											WILL BE PRO			
HENER A	L NOTES: DOORS										SCHEDULE			ESSTERED ARCHIE
	ED DOORS TO BE 1-3/4" U.O.N.							Ν	MARK SIGN T	EXT	MOUNT	DETAIL REF.	COMMENTS	★ C-19767 5 Fxp 11/30/25 ★
	R SIZES GIVEN ARE FOR REFERE R MIN. OPENING FOR ALL DOOR								4-1 GENDER NE RESTROOM	UTRAL	WALL	4/A-2.3		OF CALLEORNIE
SPECIFICA FIELD MEA	ALY NOTED OTHERWISE) CONT ASURE EXISTING CONDITIONS	RACTOR MUST FOR EXACT		READING ARE	EA				4-2 NO TEXT - CIRCLE/TRIA			3c/A-2.3 4/A-2.3		No. Description Date
DRAWING	ONS REQUIRED FOR NEW WORK AS TO ARCHITECT FOR APPROVA ASTRIPPING AT EXTERIOR DOOF	AL. PROVIDE	P						5-1 GENDER NEI RESTROOM5-2 NO TEXT -		WALL DOOR	4/A-2.3		1 PLAN CHECK COMMENTS 4/9/25
	RS/FRAMES SHALL BE SHOP PRI PER SPECIFICATIONS. ALL FRAM								CIRCLE/TRIA8-1TEEN ROOM		WALL	4/A-2.3		
WELDED.					-	4-2	G.I		10-1STAFF OFFICAL-1ASSISTED		WALL WALL	4/A-2.3 8/A-2.3		
FROM DOO	TOR SHALL PROVIDE LETTER C OR CLOSER MANUFACTURER O	N CLOSING							LISTENING I	DEVICE				
REQUIREN REQUIRED	OMPLIANCES TO THE ADA/CALI MENT. (5 lbf INTERIOR, 5 lbf EXT D FIRE DOORS IF ALLOWED BY A URISDICTION.	ERIOR, 15 lbf ON				5-1	G.I	N.W.C. 2						
	E PARTS OF HARDWARE / DOOR BLE WITH ONE HAND AND SHA													
NOT REQU TWISTING	JIRE TIGHT GRASPING, PINCHIN OF THE WRIST. THE FORCE TO	IG OR		,	ľ									
OF 5 LBS.	E OPERABLE PARTS TO BE MAX	IMUM		П	8-1	8								SCHEDULES
	R LITES SHALL HAVE 1/4" GLAZI L GLAZED. BOTTOM OF GLASS						BR	EAK RM.						
BE MAX. 4	13" A.F.F.							9						
						STAFF RM.								
				JTERS			Ĩ.							Project number Project Number Date 5 15 24
				2			ĥ							Date 5 15 24 Drawn by Author Checked by Checker
				ar ar										A-5
				GNAGE PLAN 8" = 1'-0"										Scale As indicated

NAME	BASE		ROOM SOUTH WE WALL WA		LE WAINSCOT	WAINSCO' HT.	T CEILING	CEILING HEIGHT		COMMENTS		PROJECT MANAGEMENT ALAMEIDA ARCHITECTURE
READING AREA STOR.			PAINT PAI PAINT PAI		NONE NONE	-	PAINT	VARIES				
CUST.		PAINT	PAINT PAI	NT PAINT	NONE	-						
G.N. W.C. 1 G.N.W.C. 2				AINT G.B./PAINT AINT G.B./PAINT	FRP FRP	48 INCHES	PAINT	MATCH EXISTING MATCH EXISTING				555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM
MECH ELEC TEEN ROOM		EXISTING EXPAINT	XISTING EXIST PAINT PAI		NONE NONE NONE		EXISTING EXISTING AC TILE	EXISITNG EXISTING MATCH EXISTING				COUNTY OF
BREAK RM. STAFF RM. CIRCULATION DESK		EXISTING EX-	XISTING EXIST - PAI	AINT G.B./PAINT FING EXISTING NT -	NONE NONE NONE	-	G.B. / PAINT EXISTING	MATCH EXISTING EXISTING				HUMBOLDT
COMPUTERS		PAINT	PAINT -	-	NONE							PROJECT
DC	DOR		DOOR SCHED	ULE		FR	AME					FORTUNA
Height Thickness Mater		Finish	Fire Rating	Hardware T	ype Ma			HEAD B DTL. DTL. He	nd Height	Commen	ts	LIBRARY
										Commen		MODIFICATIONS
7' - 0" 0' - 1 3/4" FRP HY 7' - 0" 0' - 1 3/4" EXIST		FACTORY EXISTING	NA NA			-	-		7' - 0" 7' - 0"			
7' - 0" 0' - 1 3/4" SOLID COR		STAIN	NA	2 WE	LDED ST		INTED		7' - 0"			- 753 14TH ST. FORTUNA, CA 95540
7' - 0" 0' - 1 3/4" SOLID COR 7' - 0" 0' - 1 3/4" SOLID COR		STAIN STAIN	NA NA				INTED INTED		7' - 0" 7' - 0"			
7' - 0" 0' - 1 3/4" EXISIT 7' - 0" 0' - 1 3/4" EXIST		EXISTING EXISTING	NA NA	EXISTING EXIS			INTED INTED		7' - 0" 7' - 0"			
7' - 0" 0' - 1 3/4" NON	1E	NONE	NA	- CA	SED WO	OOD PA	INTED		7' - 0''	CASED OPE	NING	
7' - 0" 0' - 1 3/4" EXIST 7' - 0" 0' - 1 3/4" EXIST		EXISTING EXISTING	NA NA	EXISTING EXIS			INTED INTED		7' - 0" 7' - 0"			
212-30 301-36	BASE C	ABINET W/ UPPER DRAWE UPPER CABINET	2' - 2' -		23' - 3"	MAPLE MAPLE	1 CC 1		SIGNS WILL BE I TALLED BY THE SIGN SCHEDUI	CONTRACTO		RED ARO
NOTES: DOORS					-	-	N	IARK SIGN TEXT		DETAIL REF.	COMMENTS	ALL D R. ALAURO
DOORS TO BE 1-3/4" U.O.N.					=	-						★ C-19767 Exp. 11/30/25 ★
IZES GIVEN ARE FOR REFERENCE IIN. OPENING FOR ALL DOORS (UI				_	-	_		4-1 GENDER NEUTH RESTROOM	CAL WALL	4/A-2.3		OF CALIFORNIE
Y NOTED OTHERWISE) CONTRAC URE EXISTING CONDITIONS FOR	TOR MUST			A				4-2 NO TEXT - CIRCLE/TRIANO	DOOR BLE	3c/A-2.3		
S REQUIRED FOR NEW WORK. PRO O ARCHITECT FOR APPROVAL. PRO	OVIDE SHO	P						5-1 GENDER NEUTH RESTROOM	AL WALL	4/A-2.3		No. Description Date 1 PLAN CHECK COMMENTS 4/9/25
RIPPING AT EXTERIOR DOORS TY								5-2 NO TEXT -	DOOR	3c/A-2.3		
FRAMES SHALL BE SHOP PRIMED R SPECIFICATIONS. ALL FRAMES 7								CIRCLE/TRIANC8-1TEEN ROOM	WALL	4/A-2.3		
				4-2	<u> </u>	G.		10-1STAFF OFFICEAL-1ASSISTED	WALL WALL	4/A-2.3 8/A-2.3		
OR SHALL PROVIDE LETTER OF CO							4	LISTENING DEV		0/11/2.5		
CLOSER MANUFACTURER ON CL PLIANCES TO THE ADA/CALIFOR NT. (5 lbf INTERIOR, 5 lbf EXTERIC IRE DOORS IF ALLOWED BY AUTH	NIA TITLE 2 DR, 15 lbf ON	4		5-1		G.	N.W.C. 2					
AISDICTION. PARTS OF HARDWARE / DOORS TO LE WITH ONE HAND AND SHALL												
E TIGHT GRASPING, PINCHING OF F THE WRIST. THE FORCE TO PERABLE PARTS TO BE MAXIMUN)									
			[] [8-1	8							SCHEDULES
ITES SHALL HAVE 1/4" GLAZING GLAZED. BOTTOM OF GLASS TO A.F.F.					FF RM.		REAK RM. 9					
			ERS			с.						Project number Project Number
												Date5 15 24Drawn byAuthor
												Checked by Checker
		-	-			þ						A-5
		$\begin{array}{c c} 1 & \text{SIGN} \\ \hline \text{A-5} & 1/8" \end{array}$	NAGE PLAN = 1'-0"									Scale As indicated
		\smile										



		PANELS	SYMBOLS					ELECTRICAL GENERAL NOTES
_		BRANCH CIRCUIT PANEL	NOTE:				1.	SEE ARCHITECTURAL DRAWINGS FOR COUNTER HEIGHTS. INSTALL
		MAIN SWITCHBOARD	REF	HTING FIXTURES ARE REFERENCED BY TAG ER TO LIGHTING FIXTURE SCHEDULE FOR CRIPTION			AL. 2.	L RECEPTACLES, DEVICES, ETC. ACCORDINGLY. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT
		IDENTIFICATION TAGS		STING DEVICES ARE SHOWN DASHED.			3.	LOCATION OF ALL LIGHTING FIXTURES. FINISH OF ALL LIGHTING FIXTURES SHALL BE AS SELECTED BY
		LIGHTING FIXTURE TAG: TYPE AND WATTAGE		SWITCHES AND DEVICES			4	THE ARCHITECT FROM STANDARD FINISHES. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION OF
		MECHANICAL EQUIPMENT		DUPLEX CONVENIENCE RECEPTACLE: 3-POLE GRD (+15" BOTTOM OF BOX, UON)			т.	EQUIPMENT REQUIRING ELECTRICAL CONNECTION.
		MECHANICAL EQUIPMENT		FOURPLEX RECEPTACLE: 3-POLE GRD (+15" BOTTOM OF BOX, UON)			5.	SEE MECHANICAL CONTROL DIAGRAM FOR CONTROL WIRING BY ELECTRICAL CONTRACTOR.
		SHEET NOTE REFERENCE NUMBER		GROUND FAULT INTERRUPTER FOURPLEX RECEPTACLE +15" BOTTOM OF BOX, UON			6.	FIRE STOPPING SHALL BE PROVIDED WHERE PENETRATING ITEMS PASS ENTIRELY THROUGH BOTH PROTECTIVE MEMBRANES OF BEARING WALLS REQUIRED TO HAVE A FIRE-RESISTIVE RATING
		REVISION		GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE (+15" BOTTOM OF BOX, UON)				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
		FEEDER TAG		FOURPLEX RECEPTACLE: 3-POLE GRD W/ (3) USB PORTS , LEVITON OR EQUAL, +15" BOTTOM OF BOX, UON)				ASSEMBLY. FIRE-STOPPING SHALL HAVE AN "F" OR "T" RATING AS DETERMINED BY TESTS CONDUCTED IN ACCORDANCE WITH UBC SECTION 714 SEE SPECIFICATIONS.
		DETAIL OR SECTION					7.	RELOCATE ANY EXISTING CONDUIT AND OUTLETS WHICH INTERFERE WITH NEW CONSTRUCTION. RELOCATE OUTLETS TO
		DETAIL/DIAGRAM NOTE		DUPLEX CONVENIENCE RECEPTACLE: 3-POLE GRD AND COMPUTER OUTLET W/ (2) RJ45 DATA JACKIN FLOOR BOX			8	ACCESSIBLE LOCATIONS PER CODE. MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING OUTLETS
	\supset	COMMUNICATION FEEDER TAG		240V RECEPTICLE AND BUCK & BOOST			0.	REMAINING IN USE WHETHER SHOWN OR NOT.
		ABBREVIATIONS	B/B	TRANSFORMER 208V TO 240V			9.	REMOVE ALL EXISTING CONDUIT, OUTLETS, FIXTURES, CONDUCTORS, ETC. NO LONGER IN USE.
L	UON	UNLESS OTHERWISE NOTED	$\vdash \bigcirc$	SPECIAL OUTLET AS REQUIRED BY EQUIPMENT.			10.	PROVIDE EMERGENCY BATTERY PACK FOR ALL FIXTURES. WHERE SHOWN INDICATED ON DRAWINGS CONNECT BATTERY PACKS AHEAD OF SWITCH.
	MTC	EMPTY CONDUIT		MANUAL MOTOR STARTER SWITCH, HORSEPOWER RATED W/ OVRLOAD			NO	TE:
	SAD SMD	SEE ARCHITECTURAL DRAWINGS SEE MECHANICAL DRAWINGS	$(\mathbf{\widehat{I}}) \dashv$	JUNCTION BOX				STALLATION OF ELECTRICAL SWITCHES MUST COMPLY WITH CBC CTION 11B-308.1.1 AND ELECTRICAL RECEPTACLES MUST COMPLY WITH
	SPD	SEE PLUMBING DRAWINGS	M	MOTOR OUTLET AND FLEX CONNECTION				C SECTION 11B-308.1.2
	WP	WEATHER PROOF	F	FUSED / NON-FUSED DISCONNECT SWITCH		LIGHTING	FIXTURE SCHEDULE	
E	EC	ELECTRICAL CONTRACTOR			TAG SYMBOL ON PLAN	DESCRIPTION	ACCEPTABLE MANUFACTURER CATALOG NO.	NO. & FIXTURE VOLT LOCATION NOTE
			$S_2 S_3 S_k$	TOGGLE SWITCH: 1-POLE, 2-POLE, 3-WAY, KEYED (+48" TO THE TOP OF BOX, UON)	$\langle \mathbf{A} \rangle$	2 X 4 SURFACE MOUNTED LED	ORACLE LIGHTING OSMT-LED-4000L-DM10-MVOLT-40K-	LED 32 120
	WIRIN	G		WATTSTOPPER LMDC-100		DIRECT CEILING MOUNT	85-A-SFW	
NEUTRAL	INDICA EXCES	CH CIRCUIT HOMERUN, CROSS LINES ATE NUMBER OF #12 WIRES (UON), WHERE IN SS OF 2. (NOT COUNTING REQUIRED MENT GROUND IN PVC CONDUITS).	V		Ae	2 X 4 SURFACE MOUNTED LED DIRECT CEILING MOUNT	ORACLE LIGHTING OSMT-LED-4000L-DM10-MVOLT-40K- 85-EMG-O-LED-A-SFW	LED 32 120 WITH EMERGENCY BATTERY PACK
	COND	UIT CONCEALED IN CEILING OR WALL, NUMBER OF UCTORS SHALL BE AS REQUIRED FOR THE CIRCUIT NTROL SHOWN UON.	D1	0-10 VOLT LED DIMMER AND WATTSTOPPER LMDM-101 (MOTION SENSOR (+46" AT CENTER, UON)	B O	SURFACE MOUNTED ROUND FIXTURE	ACURITY JUNO SLIM LINE JSF-12IN-13LM-SWW4-90CRI-120FRPC- WH-EBX	LED 14.6 120
	GRADI REQUI	UIT CONCEALED IN OR BELOW FLOOR OR E, NUMBER OF CONDUCTORS SHALL BE AS RED FOR THE CIRCUITS OR CONTROL N UON.	D2-	0-10 VOLT LED DIMMER AND WATTSTOPPER LMDW-102 (MOTION SENSOR (+46" AT CENTER, UON)				
LV	LOW V	OLTAGE 0-10 VOLT DIMMING CONTROL WIRING		0-10 VOLT LED DIMMER WATTSTOPPER LMDM-101 (+46" AT CENTER, UON)				A35 EACH SIDE OF BLK'G (2x4 MIN.,WHERE OCCURS) TYP.) JOIST
— D ——	DATA	SYSTEM CONDUIT (3/4" MTC U.O.N.)	LMRC 211	WATTSTOPPER LMRC-211 SINGLE RELAY ROOM CONTROLLER				
		UTER OUTLET W/ (2) RJ45 DATA JACKS AND (1) UTER OUTLET W/ 1-RJ 45 TELEPHONE JACK +17"	LMRC 212	WATTSTOPPER LMRC-212 ROOM CONTROLLER				5/8" DRYWALL ACCOUSTICAL TILE
		UTER OUTLET W/1 RJ45 DATA JACKS (+ 11'-0" 'IRELESS ACCESS POINT)	LMRC 213	WATTSTOPPER LMRC-213 ROOM CONTROLLER				URFACE MOUNTED LED
\triangleright	COMP UON)	UTER OUTLET W/2 RJ45 DATA JACKS (+17"	LMLS 500	WATTSTOPPER LMLS MULTIZONE DIMMING DIGITAL PHOTO SENSOR			THICKNESS ACC. TILE (S TO PREVENT CRUSHING OR DRYWALL A. FASTENER (ONE EA. CORNER, BALANCE 24" O.C.)

 $\bigcirc \dashv$ CLOCK & OUTLET \bigcirc SPEAKER & OUTLET \otimes AUDIO VISUAL SPEAKER & OUTLET

CAMERA LOCATION

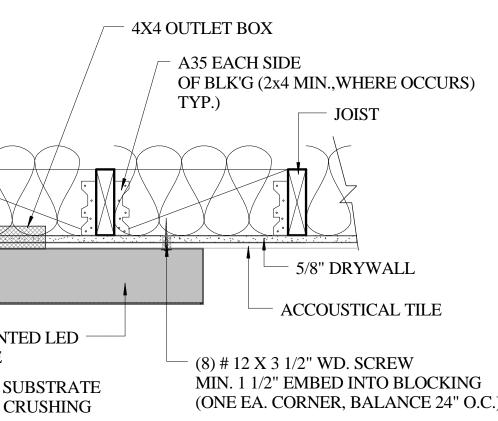
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Č>+

THERMOSTAT - VENSTAR T6800

DLE, 2-POLE, 3-WAY, KEYED	
OX, UON)	

SURFACE MOUNTED LIGHT 3 FIXTURE E-0 1 1/2" = 1'-0"

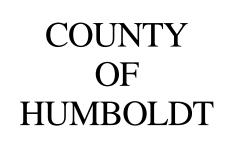


PROJECT MANAGEMENT

ALAMEIDA ARCHITECTURE

CONSTRUCTION MANAGEMENT

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



PROJECT

FORTUNA LIBRARY MODIFICATIONS

753 14TH ST. FORTUNA, CA 95540



No.	Description	Date
1	PLAN CHECK COMMENTS	4/9/25

ELECTRICAL NOTES

E-0

Project number Date Drawn by Checked by

Project Number 5 15 24 Author Checker

									PANE	EL: 7	4					
VOLT	12	20 / 240V												MAIN B	REAKER	
PHASE		1						REMA	RKS:						FEEDER	SEF
WIRE	31	W						EXISTI	NG PAN	EL '	'A" MOD	IFIED]	C	CONDUIT	NO
BUSSING	100 AM	ſP						CONSE	RVATIV	ΈE	STIMAT	Ξ		Μ	OUNTED	FLU
POLES	16	5P						<u>-</u>					-	AIC	RATING	2
LOAD I	DESCRI	PTION	AFCI	GFCI	LOAD TYPE	А	В	BRKR	CKT.		CKT.	BRKR	A	В	LOAD TYPE	I
LIGHTIN	IG NORTI	HEAST			L	0.693		20/1	1	Π	2	20/1		0.18	R	
LIGHTIN	IG SOUTI	HEAST			L		0.320	20/1	3		4	20/1	0.18		R	W
LIGH	ITING WE	EST			L	0.747		20/1	5		6	20/1		2.85	Н	
EXTER	IOR LIGH	ITING			L		0.444	20/1	7		8	30/1	2.85		Н	1
CI	RC. DESK	2			L	0.18		20/1	9		10	20/1		0.18	R	
	SPARE				L		0.00	20/1	11		12	20/1	0.18		R	
	CT 1-2				R	0.18		20/1	13		14	20/1		0.18	R	
	CT 3- 4				R		0.18	20/1	15		16	20/1	0.18		R	
						1.8	0.944						3.39	3.39		
						KVA	KVA						KVA	KVA	-	
DEMAND	LOAD S	UMMARY	Y					CONN.	DEMAND		DEMAND					
								KVA	FACTOR		KVA					
TYPE	М	NON-CO	NTI	NUI	OUS/MI	SC.		0	1		0.00		\mathbf{PH}	IASE A	5.19	ΚV
TYPE	L	LIGHTIN	G /C	CON	ΓINUIOU	S		2.3844	1.25		2.98		PH	IASE B	4.3344	ΚV
TYPE	R	RECEPTI	CLE	ES (F	IRST 10 H	KVA)		1.44	1		1.44					_
TYPE	R	RECEPTI	CLE	ES (C	VER 10 H	KVA)		0	0.5		0.00					
TYPE	Н	HVAC / N	MEC	ΗL	DADS			5.7	1		5.70					
TYPE	V	EV / CON	JTIN	UIO	US			0	1.25		0.00				43.25	M
						Т	OTALS	9.5244		-	10.12					-
									-			-			42 20/	0/. 4

NOTE: FAN COIL UNITS POWERED BY HEAT PUMP

							PA	4NE	L: B			
VOLT	1	20 / 240V										MAIN
PHASE		1				REMAF	RKS:				_	
WIRE	3	W				EXISTI	NG PAN	EL '	'B" MODI	FED		
BUSSING	100 AN	∕IP				(CONSI	ERVATIV	VE I	ESTMATE	L)		
POLES	1	6P									-	А
LOAD	DESCRI	PTION	LOAD TYPE	А	В	BRKR	CKT.		CKT.	BRKR	A	В
READIN	NG ROOM-I	NORTH	L	0.003		20/1	1		2	20/1		0.18
READING R	OOM SOUTH COMPUTERS		L		0.320	20/1	3		4	20/1	0.32	
WORK	K ROOM RI	ECEPT	R	0.180		20/1	5		6	20/1		0.18
TEE	N RM / BRI	EAK	L		0.213	20/1	7		8	20/1	0.18	
READIN	IG ROOM I	RECEPT	R	0.180		20/1	9		10	20/1		0.18
C	OMPUTER	1	L		0.180	20/1	11		12	20/1	0.18	
EXIST	`& EMERG	ENCY	L	0.180		20/1	13		14	35/2		2.85
TEEN H	ROOM LIG	HTING	L		0.213	20/1	15		16	33/2	2.85	
				0.5427	0.927						3.53	3.3
				KVA	KVA	-	-				KVA	KVA
DEMAND	LOAD S	UMMARY				CONN.	DEMAND		DEMAND			
						KVA	FACTOR		KVA			
TYPE	Μ	NON-COI	NTINUIO	US / MISC	7.	0	1		0.00		PH	IASE
TYPE	L	LIGHTIN	G /CONT	INUIOUS		4.2793	1.25		5.35		PH	IASE
TYPE	R	RECEPTI	CLES (FI	RST 10 KV	VA)	3.93	1		3.93			
TYPE	R	RECEPTI	CLES (OV	VER 10 KV	VA)	0	0.5		0.00			
TYPE	Η	HVAC/N	IECH LO	ADS		0.18	1		0.18			
TYPE	V	EV / CON	TINUIOU	JS		0	1.25		0.00			
				Т	TOTALS	8.3893			9.46	J		

NOTE: FAN COIL UNITS POWERED BY HEAT PUMP

ER 100 AMP / 2 POLE
ER SEE SINGLE LINE
UIT NON-METALIC
ED FLUSH
NG 22,000
D
E LOAD DESCRIPTION
MENS W.C.
WOMENS W.C. / CUST/ D.F.
WATER HEATER
FURNACE/TELEPHONE
EXTERIOR RECPT.
CT 5-6
AT&T

5.19 KVA .3344 KVA

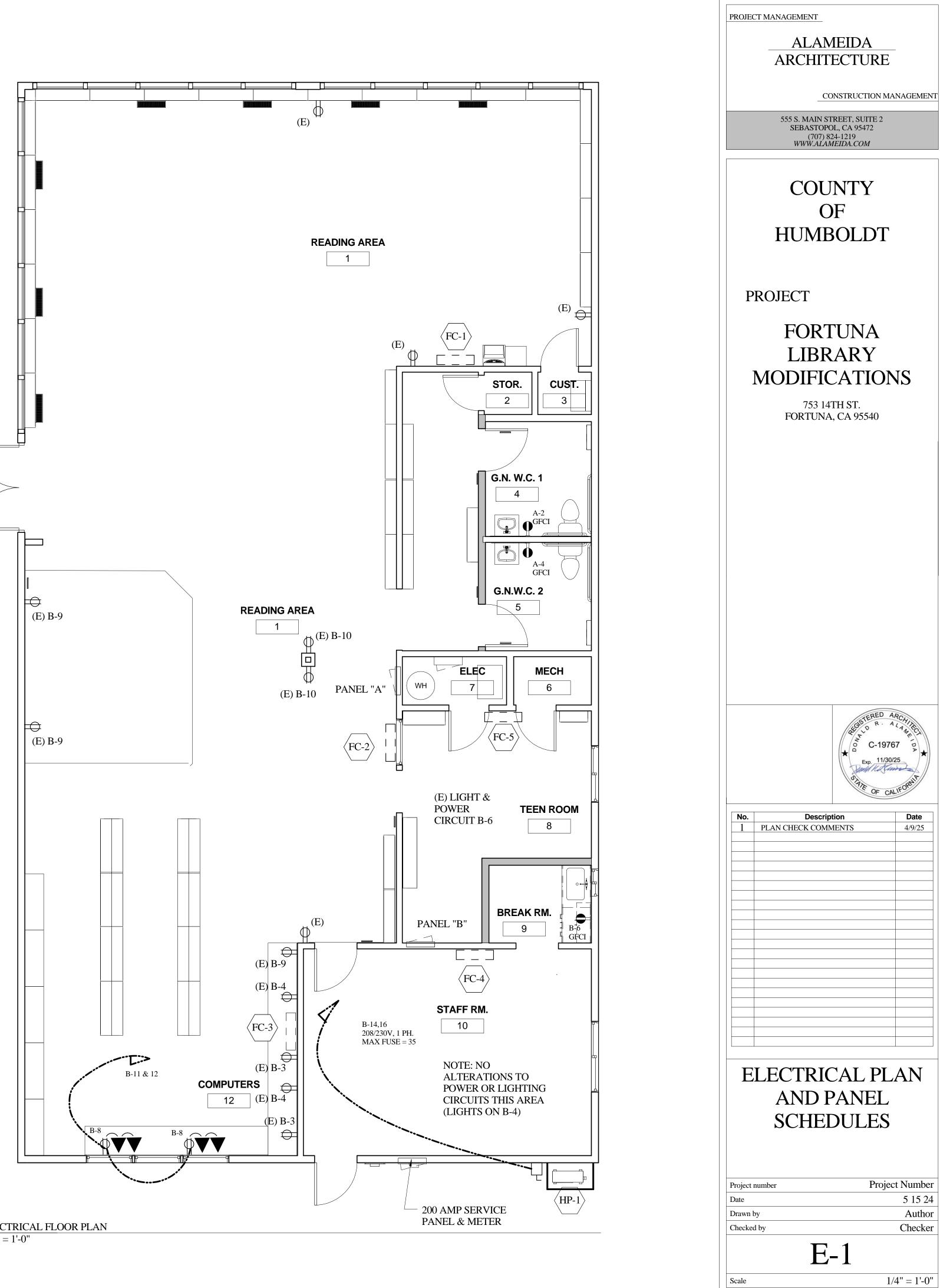
43.25 MAX AMPS / PHASE

<u>43.3%</u> % OF PANEL

B	REAKER	100 AMP / 2 POLE
	FEEDER	SEE SINGLE LINE
C	CONDUIT	NON-METALIC
1	OUNTED	FLUSH
С	RATING	22,000
	LOAD	
	TYPE	LOAD DESCRIPTION
	R	READING ROOM CENTER
		WORKROOM LIGHTS / Ee)
	L	COMPUTERS
	R	STAFF ROOM
	Η	FURNACE/ NEW COMPUTERS
	R	READ'G RM RECEP SOUTH
	R	COMPUTER 2
	L	(N) HEATPUMP # 1 (N) #10
	R	CONDUCTORS
$\mathbf{\hat{k}}$		

SE A <u>4.0727</u> KVA SE B <u>4.3167</u> KVA

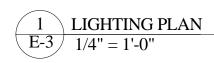
35.97 MAX AMPS / PHASE 36% % OF PANEL

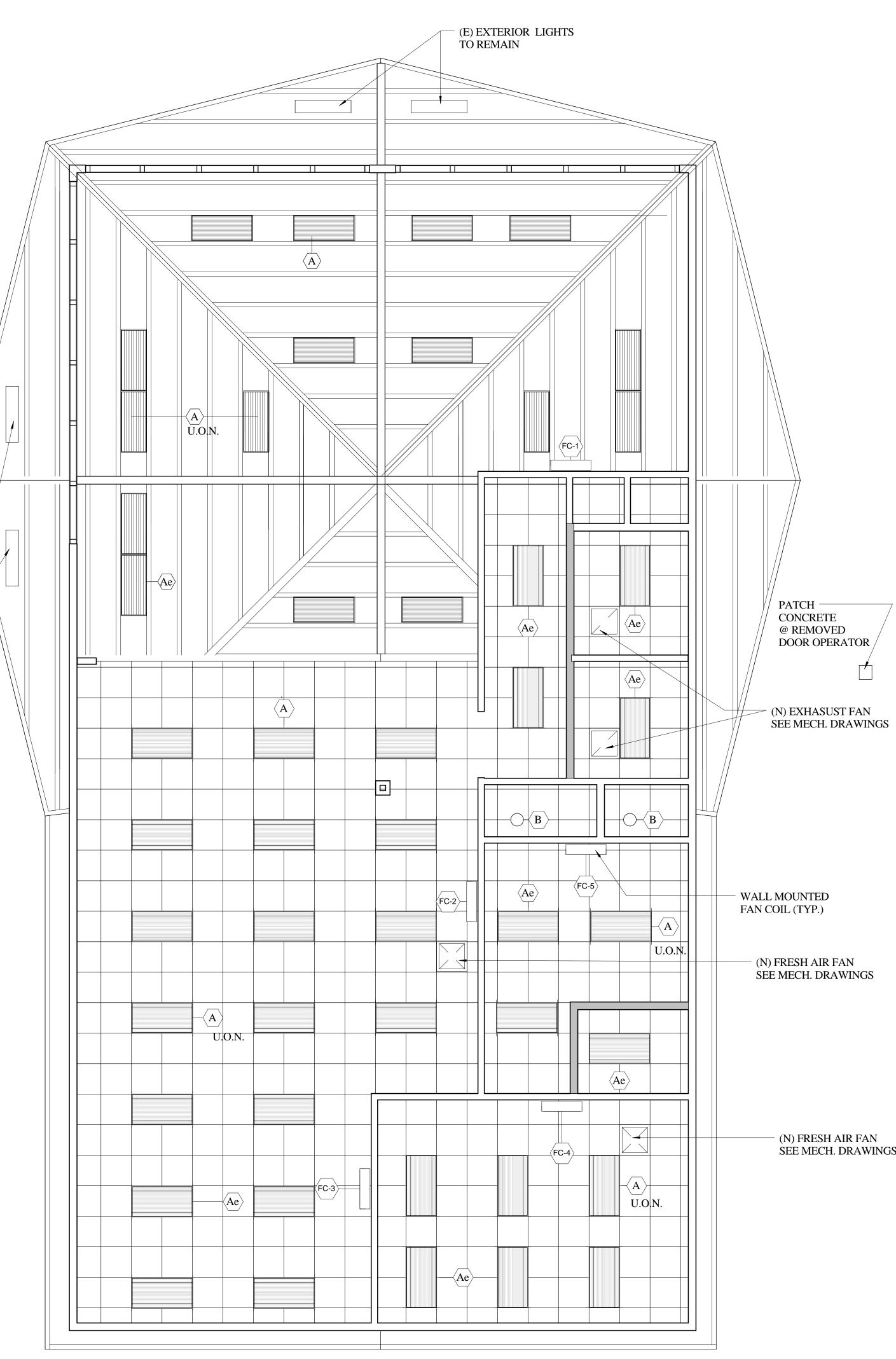




 $\begin{array}{c|c} \hline 1 & ELECTRICAL FLOOR PLAN \\ \hline E-1 & 1/4" = 1'-0" \end{array}$

(E) EXTERIOR LIGHTS ┘ ∕ TO REMAIN





– (N) FRESH AIR FAN SEE MECH. DRAWINGS

PROJECT MANAGEMENT ALAMEIDA ARCHITECTURE CONSTRUCTION MANAGEMENT 555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM COUNTY OF HUMBOLDT PROJECT FORTUNA LIBRARY MODIFICATIONS 753 14TH ST. FORTUNA, CA 95540 C-19767 * * Exp. 11/30/25 moles Katur OF CAL Description No. Date 1 PLAN CHECK COMMENTS 4/9/25 ____ | |-----_____ _____ _____ ____ LIGHTING PLAN Project Number Project number 5 15 24 Date Author Drawn by Checker Checked by E-3

1/4" = 1'-0"

MECHANICAL EQUIPMENT

		COOL	DIG												DIC		
TAG	MAKE & MODEL	COOL /HEAT		SUI	PPLY F	AN		POWER	UNIT MIN. CIRC. AMPS	MAX. FUSE	UNIT OPER. WEIGHT	WEIGHT INCLUDING		HEAT (MB			COMMENTS
		TOTAL MBH	EER	NOM. CFM	ESP IN. WG	HP	OSA CFM				WEIGHT	ACCESORIES	HEAT PUMP	COP HI TEMP	GAS HEAT	AFUE %	
HIP 1	DAIKIN MODEL # 5MXS48TVJU	47K	10.5	-	-	-	-	208/60/1	33.2	35	216 LBS	216 LBS	48.5	3.9	N/A	N/A	
FA 1	PEN-BARRY Z8	-	-	350	0.25	130 WATTS	338	120 - 1PH			35	35	-	-	-	-	W/ MORTORIZED DAMPER CURB MOUNTED
FA 2	PANASONIC FV-15NFLSI	-	_	100	0.04	125 WATTS	40	120 - 1PH	0.38	15 A	17.4	17.4	-	-	-	_	FRESH AIR STAFF AREA.
FC 1	DAIKIN MODEL # FTXS12LVJU	12K	-	240	-	-	-	120 - 1PH	0.14	-	22 LBS.	22 LBS.	-	-	-	_	UNIT POWERED BY HEATPUMP
FC 2	DAIKIN MODEL # FTXS12LVJU	12K	-	240	-	-	-	120 - 1PH	0.14	-	22 LBS.	22 LBS.	-	-	-	-	UNIT POWERED BY HEATPUMP
FC 3	DAIKIN MODEL # FTXS12LVJU	12K	_	240	-	-	-	120 - 1PH	0.14	-	22 LBS.	22 LBS.	-	-	-	-	UNIT POWERED BY HEATPUMP
FC 4	DAIKIN MODEL # FTXS09LVJU	9K	-	233	-	-	-	120 - 1PH	0.11	-	20 LBS.	20 LBS.	-	-	-	_	UNIT POWERED BY HEATPUMP
FC 5	DAIKIN MODEL # CTS07WJU9	7K	_	233	-	-	-	120 - 1PH	0.11	-	20 LBS.	20 LBS.	-	-	-	_	UNIT POWERED BY HEATPUMP
EF 1	BROAN L150	-	_	130	-	-	-	120 - 1PH	1.4	-	28 LBS.	28 LBS.	-	-	-	_	DUCT TO ROOF CURB WITH RAIN CAP
EF 2	BROAN L150	-	-	130	-	-	-	120 - 1PH	1.4	-	28 LBS.	28 LBS.	-	-	-	-	DUCT TO ROOF CURB WITH RAIN CAP

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED -OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2021 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30.

- 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANANTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT **RECEPTICALES HAVING A FLEXIBLE CABLE.**
- 3. TEMPORARY MOVABLE OR MOVABLE EQUIPMENT WHICH IS HEAVIER

THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED IN A MANOR APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTONS MUST ALLOW MOVEMENT IN BOTH TRNASVERSE AND LONGITUDAL DIRECTIONS

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT. B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE IN CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONDENDTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

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

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

MP o MD o PP o E - o - **OPTION 1:** DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

MP X MD X PP X E - X - **OPTION 2**: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM # 0052 BLINE/TOLCO. **GENERAL NOTES - MECHANICAL EQUIPMENT:** 1. ALL FAN COILS TO BE CONNECTED TO INDIVIDUAL WIRED / WIFI PROGRAMMABLE THERMOSTATS PER ROOM

(DAIKIN ONE+THERMOSTAT). 2. ALL FAN COILS TO HAVE INLINE CONDESATE PUMPS.

3. ALL FAN COILS TO HAVE AIR PRUIFYING FILTER.

4. MOUNT EXHAUST ON SLOPED ROOF CURB UNITS.

5. FRESH AIR FANS TO HAVE MERV 13 FILTERS, POVIDE CEILING ACCESS PANEL TO CHANGE FILTERS 6. ACCESSOIES FOR EXFHASUT FAN: METAL GRILL AND WIRE TO OCCUPANCY SENSOR LIGHT SWITCH.

PREMANUF. GSM ROOF CURB (TAPERED TO ROOF PITCH) SECURE WITH # 10 S.M. SCREWS AT 12" 0.C.

> GSM DUCT FROM ABOVE CEILING FREASH AIR FAN

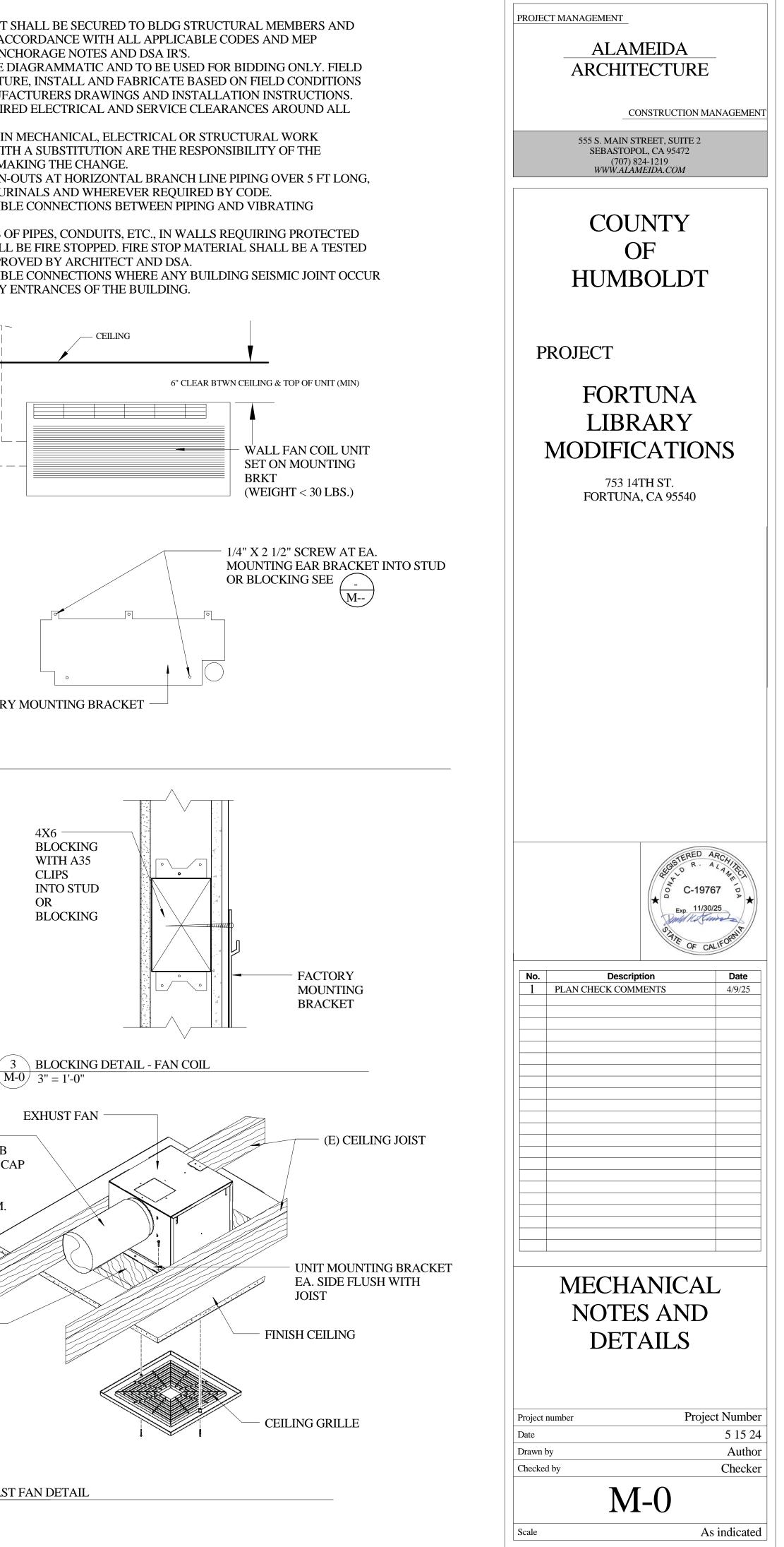
 $4 \rightarrow$ FRESH AIR ROOF TOP DAMPER M-0 N.T.S.

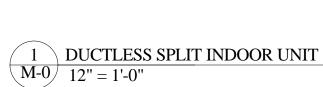
> 3/8" ALL THREAD STEEL **ROD BETWEEN ANGLE &** FACTORY BRACKET (TYP. FOR 4)

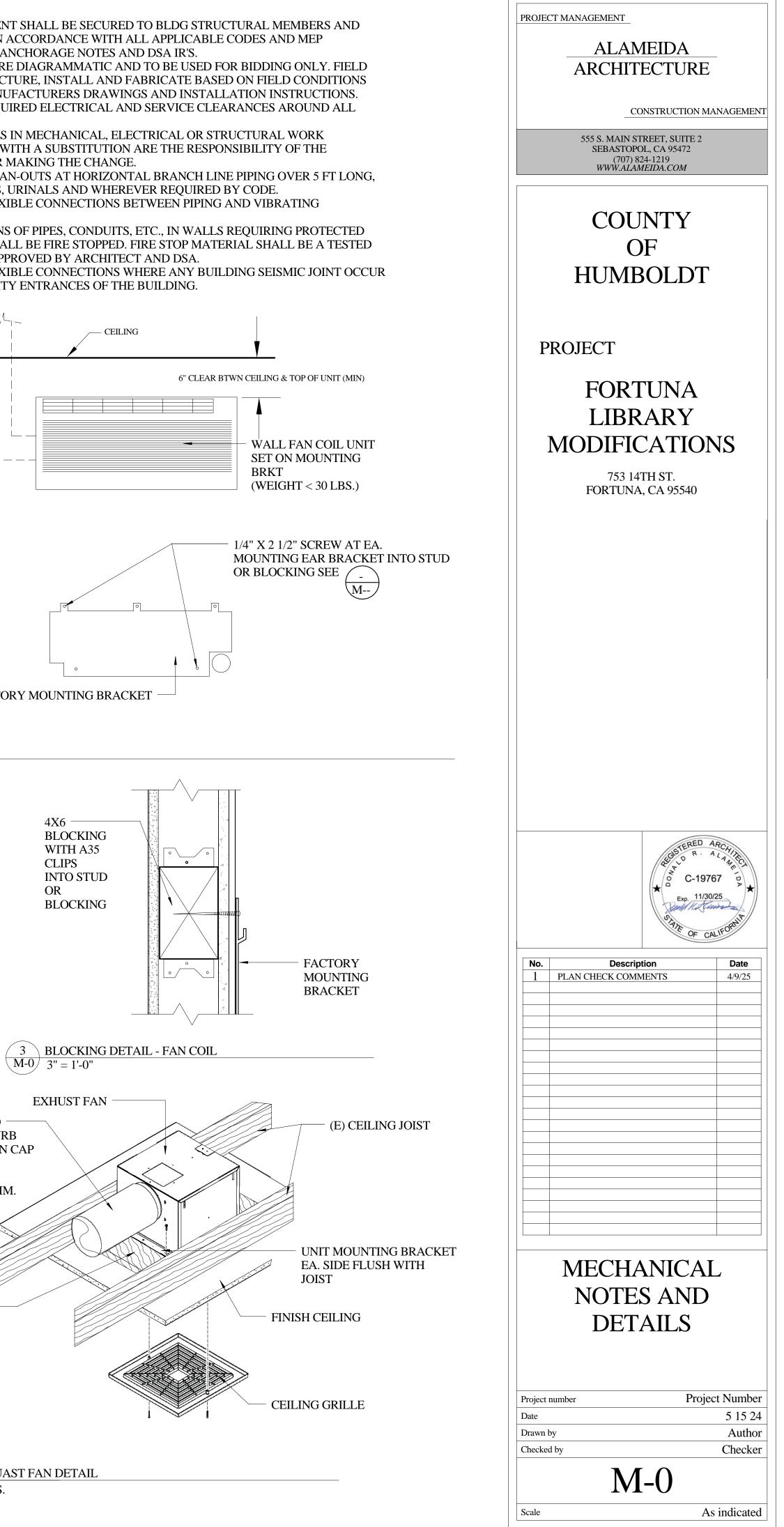


MACHINERY.

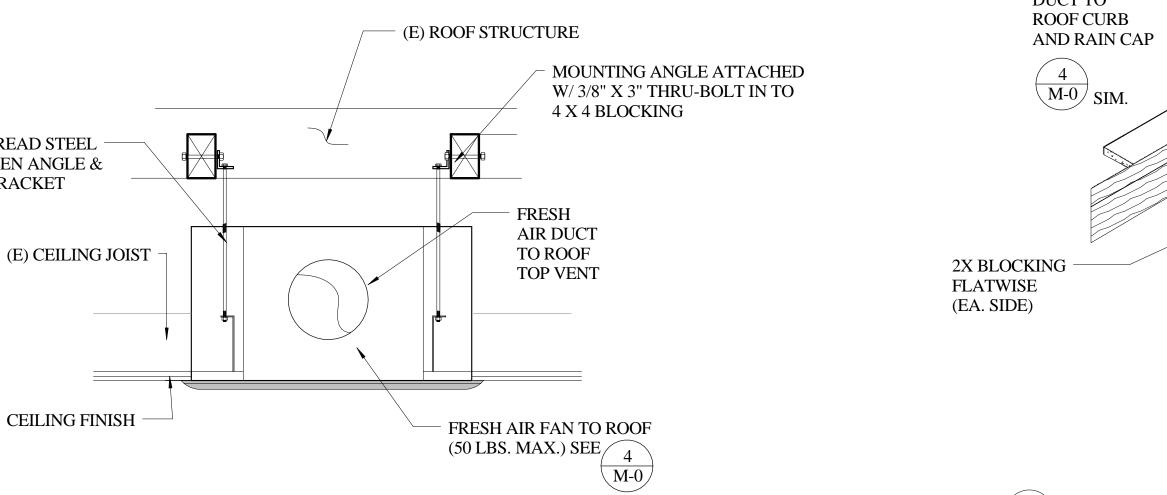
CONCEAL CONDENSATE, LINE SET & CABLES WITHIN WALL AND CEILING CAVITIES











MOTORIZED DAMPER CONTROLLED

SECURE MAKE UP AIR FAN ONTO

TRANSITION CURB WITH #10

CUT IN, GSM FLASHING &

PATCHED EXISTING ROOF

(E) RAFTERS OR (N) 4X

SIDE

DIMENSIONAL SHEATHING

BLOCKING SECURE BLOCKING

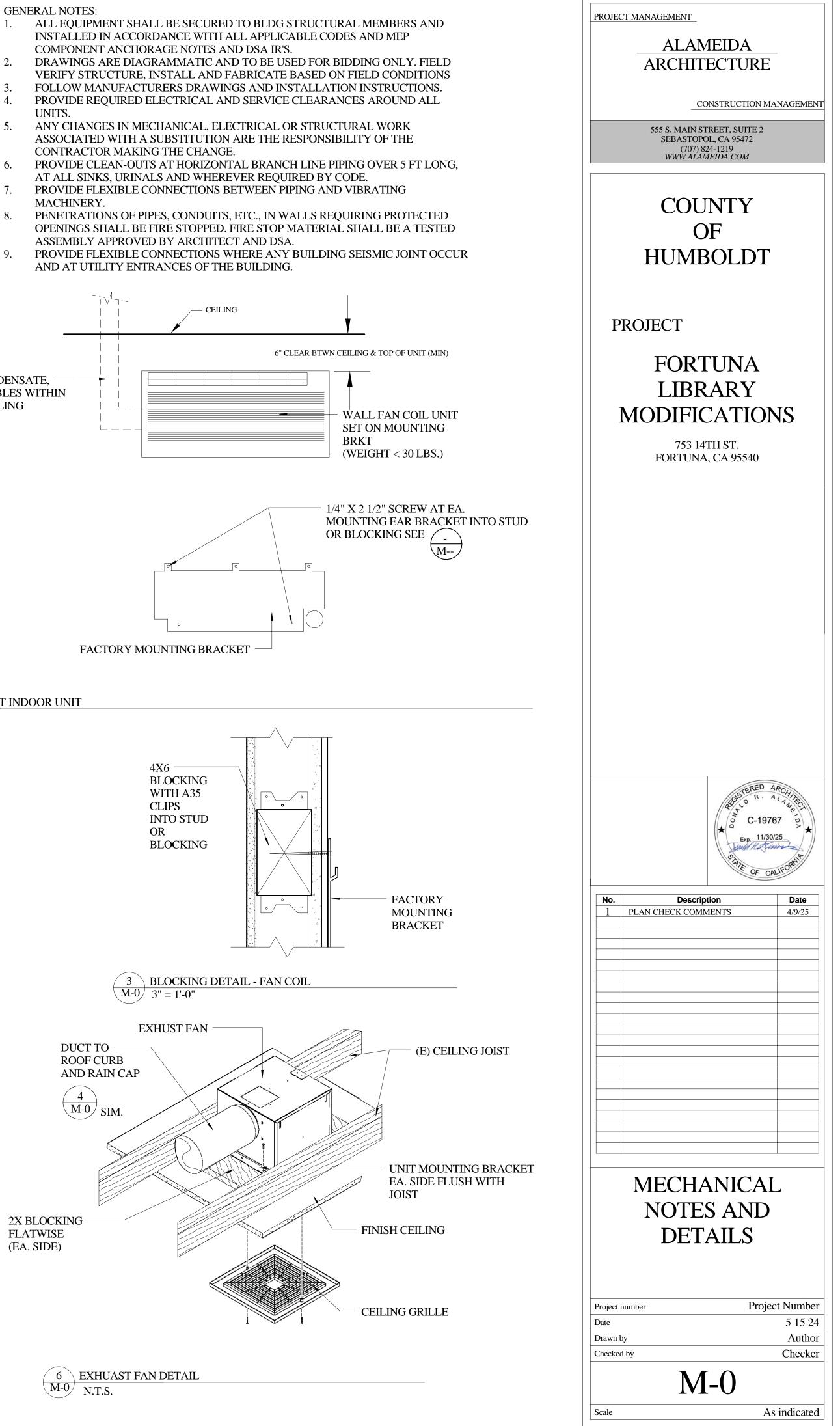
TO RAFTERS W/ A35 CLIPS EA.

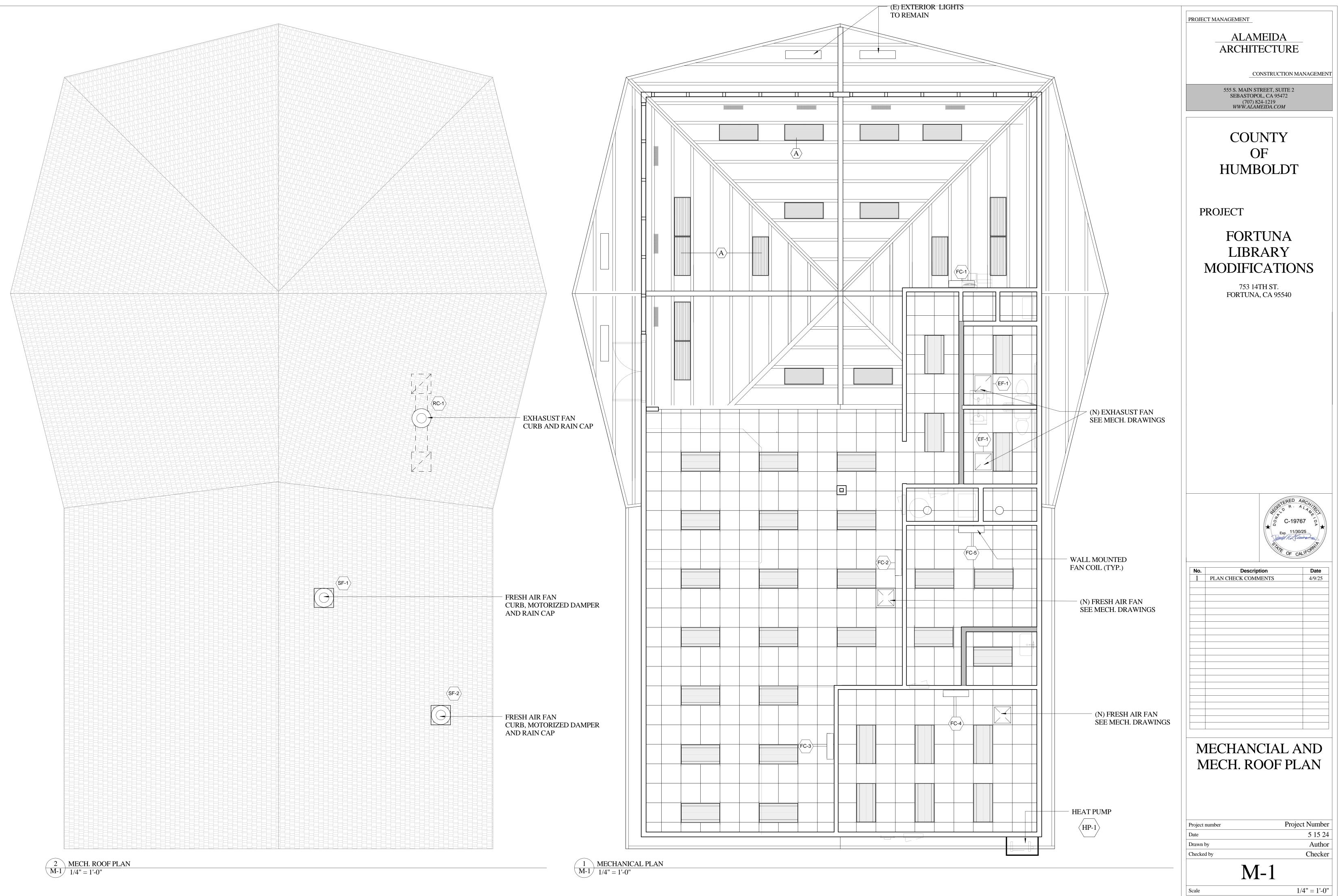
PATCH NEW CURB TO

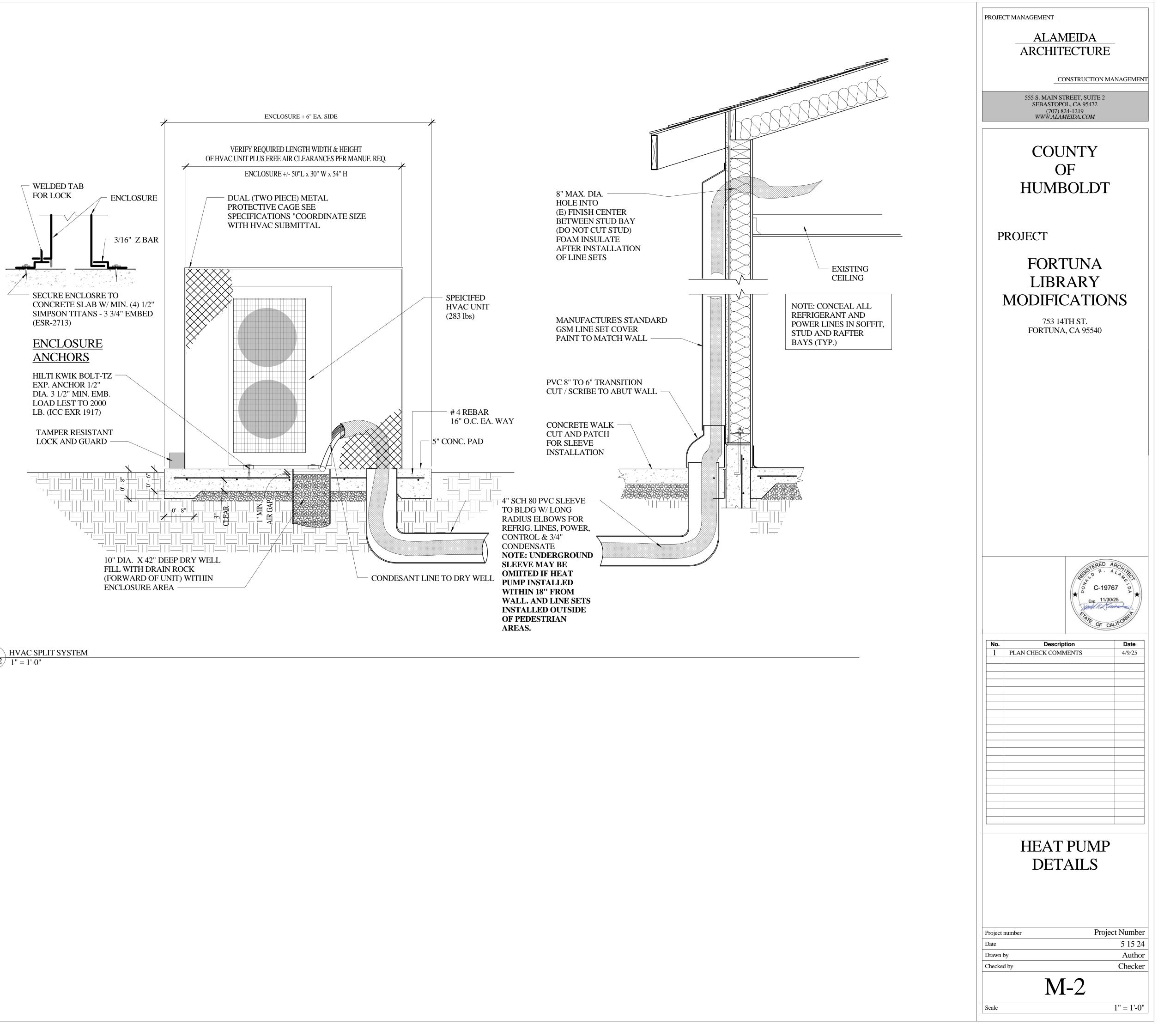
(E) ROOF PLYW'D OR

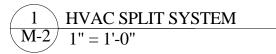
S.M.SCREWS AT 12" O.C.

BY CEILING INSTALLED FRESH AIR FANS









state of california Indoor Lighting		CALIFORNIA ENE	RGY COMMISSION								
CERTIFICATE OF COMPLIANCE This document is used to demonstrate compliance with requirements in 110.9, 110	0.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lig	hting scopes using the prescri	NRCC-LTI-E	state of california Indoor Lighting						CALIFORNIA ENE	RGY COMMISSION
nonresidential and hotel/motel occupancies. It is also used to document complian path for multifamily occupancies. Multifamily includes dormitory and senior living	ce with requirements in 160.5, 170.2(e) and 180.2(b)4;			CERTIFICATE OF COMPLIANCE Project Name: Foruna Library F	Panavatian		Report Pa	2501			NRCC-LTI-E (Page 4 of 8)
Project Name: Foruna Library Renovation	Report Page:		(Page 1 of 8)	753 14th			Date Pre	-	2/24	2024-11	(Fage 4 01 8) 1-11T16:30:06-05:00
Project Address: 753 14th Street	Date Prepared: 711/12/24	2024-11	-11T16:30:06-05:00								
A. GENERAL INFORMATION				H. INDOOR LIGHTING CONT	ROLS (Not including PAFs)						
01 Project Location (city) Fortuna	04 Total Conditioned Floor Area (ft ²)	3,144		Area Level Controls	05	06	07	08	09 10	11	12
02 Climate Zone 1 03 Occupancy Types Within Project (select all that apply):	05 Total Unconditioned Floor Area (ft 06 # of Stories (Habitable Above Grad					Manual Area	Multi-Level		Primary/Sky		
• Library				Area Description	Complete Building or Area Category Primary Function	Controls	Controls 5	hut-Off Controls 130.1(c) //	Daylighting Daylighting		eld Inspector
					Area	130.1(a) / 160.5(b)4A	130.1(b) / 160.5(b)4B	160.5(b)4C	120 1(d) / 150.1(u) /	140.6(a)1/ 170.2(e)2A	га Гай
B. PROJECT SCOPE				LIBRARY WHOLE BUILDING	Library	Auth. N	NA: <= 80 % LP	ccupancy Sensor	NA: <= 80 % NA: <= 80 %		ss Fail
This table includes any lighting systems that are within the scope of the permit ap 141.0(b)2 / 180.2(b)4 for alterations.	plication and are demonstrating compliance using the ,	prescriptive path outlined in 14	10.6 / 170.2(e) or		Library	Personnel	(alt only)		LP (alt only) LP (alt only	13	
Scope of Work	Conditioned Spaces 02 03	Unconditioned S	opaces 05						Plan She	et Showing Daylit Zone	es:
My Project Consists of (check all that apply):	Calculation Method Area (ft ²)	Calculation Method	Area (ft ²)								
 New Lighting System New Lighting System - Parking Garage 	N/A 0 N/A 0	N/A N/A	0	I. LIGHTING POWER ALLOW	ANCE: COMPLETE BUILDING	g or area catego	RY METHODS				
Altered Lighting System	Complete Building Method 3144	N/A	0	Each area complying using the 140.6(c) or adjustments per 140		egory Methods per 14	40.6(b) are include	d in this table. Colu	mn 06 indicates if additi	onal lighting power all	lowances per
Total Area of Work (ft²)	3144			Conditioned Spaces							
				01	Complete Building o	02	03 ary Allowed De	04	05 Allowed Wattage	06 Additional Allowar	
STATE OF CALIFORNIA				Area Description	Funct	tion Area	(W/ft ²) Area (ft²)) (Watts)	Area Category	PAF
Indoor Lighting		CALIFORNIA EN	ERGY COMMISSION	LIBRARY WHOLE BUILDING	G Li	ibrary	0.7 T	3,144 DTALS: 3,144	2,200.8	No See Tables J, o	No or P for detail
CERTIFICATE OF COMPLIANCE Project Name: Foruna Library Renovation	Report Page:		NRCC-LTI-E (Page 2 of 8)	L				, - · ·	,		
753 14th Street	Date Prepared: 711/12/24	2024-1	1-11T16:30:06-05:00	J. ADDITIONAL ALLOWANCE		d qualifying ligh	ITING SYSTEM				
				This section does not apply to the termination of the section does not apply to the section does not apply the section does	his project.						
C. COMPLIANCE RESULTS											
If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional				state of california Indoor Lighting							
Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts) Adjusted Lighting Power per 14 (Watts)	0.6(a) / 170.2(e) Com	pliance Results	CERTIFICATE OF COMPLIANCE						CALIFORNIA ENE	NRCC-LTI-E
Lighting in 01 02 03 04 conditioned and	05 06 07	08	09	Project Name: Foruna Library F 753 14th S			Report Pa	age: pared:711/12/	10.4	2024-11	(Page 5 of 8) L-11T16:30:06-05:00
unconditioned Area Area Category Tailored	Adjustments ≥ Total PAF Lighting	Total Adjusted		755 14013	Sileei		Duterre	<u>pareur</u> / / //	/24	2024 11	11110.50.00 05.00
combined forBuildingCategoryAdditional140.6(c)3 /compliance per140.6(c)1140.6(c)2 /140.6(c)2G /170.2(e)4B	= Total Designed Control Credits Allowed (Watts) 140.6(a)2 /	(Watts) 05	must be >= 08								
140.6(b)1 / 170.2(e) 140.0(c)1 170.2(e)4 170.2(e)4Av (+) (+)	(Watts) 170.2(e)1B (-)	*Includes 14 Adjustments).6 / 170.2(e)	K. TAILORED METHOD GENE This section does not apply to the		OWANCE					
(See Table I) (See Table I) (See Table J) (See Table K)	(See Table F) (See Table P)			This section does not apply to th	nis project.						
Conditioned 2,200.8 Unconditioned	= 2,200.8 ≥ 1,565.2 = = ≥ =	1565.2	COMPLIES	L. ADDITIONAL LIGHTING AL	Llowance: Tailored Wal	L DISPLAY					
	Controls Compliance (See	-	COMPLIES	This section does not apply to the	his project.						
	Rated Power Reduction Compliance (See			M. ADDITIONAL LIGHTING A	ALLOWANCE: TAILORED FLO	OR AND TASK LIGH	ITING				
D. EXCEPTIONAL CONDITIONS				This section does not apply to the							
This table is auto-filled with uneditable comments because of selections made or	data entered in tables throughout the form.										
E. ADDITIONAL REMARKS				N. ADDITIONAL LIGHTING A This section does not apply to th		ORATIVE /SPECIAL	EFFECTS				
This table includes remarks made by the permit applicant to the Authority Having	g Jurisdiction.										
				O. ADDITIONAL LIGHTING A		Y VALUABLE MERC	HANDISE				
				This section does not apply to the	his project.						
state of california Indoor Lighting		CALIFORNIA E	NERGY COMMISSION	P. POWER ADJUSTMENT: LIG	GHTING CONTROL CREDIT (POWER ADJUSTME	INT FACTOR (PAF))			
CERTIFICATE OF COMPLIANCE	Poport Paga		NRCC-LTI-E	This section does not apply to the	his project.						
Project Name: Foruna Library Renovation753 14th Street	Report Page: Date Prepared: 711/12/24	2024	(Page 3 of 8) -11-11T16:30:06-05:00	Q. RATED POWER REDUCTIO			ONC				
				This section does not apply to the		FOR-ONE ALIERAII					
F. INDOOR LIGHTING FIXTURE SCHEDULE											
This table includes all planned permanent and portable lighting other than dwe documented in Table T. If using Table T to document lighting in multifamily com											
not included here. Designed Wattage: Conditioned Spaces				STATE OF CALIFORNIA							
01 02 03 04	05 06 07 08		10	Indoor Lighting CERTIFICATE OF COMPLIANCE						CALIFORNIA EN	IERGY COMMISSIOI NRCC-LTI-
Tag Description (Track) Eixture Aperture &	Watts per How is Wattage Total Number Exclude 140.6 uminaire ² determined of Luminaires 170.2	(a)3 / Design Watts	Field Inspector Pass Fail	Project Name: Foruna Library			Report	-		2024	(Page 6 of 8
A OR AE SURFACE MOUNTED 2X4 LED No NA	32 Mfr. Spec 48 N	(e)20	Pass Fail	753 14th S	treet		Date Pr	repared711/12/2		2024-:	11-11T16:30:06-05:00
B SURFACE MOUNTED ROUND NO NA	14.6 Mfr. Spec 2 N										
LED	Total Designed Watts: CONDITIONED			R. 80% LIGHTING POWER F				, , , ·	, ·	, ····	
¹ FOOTNOTE: Design Watts for small aperture and color changing luminaires wh		e 75% /80% of their rated wat	tage. Table F	Indoor lighting alteration space Power Allowance exceeds 80%					o document the power re	duction. If the Percent	t of Indoor Lighting
automatically makes this adjustment, the permit applicant should enter full rate ² Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm watt		ge used must be the maximun	n rated for the	01	02		04 LLOWANCE (Watts		06 07	08	09
luminaire, not the lamp.					omplete Building or Area	Allow			aire Name 🛛 Watts pe	# of Luminaires	Total Design
G. MODULAR LIGHTING SYSTEMS					Area	Area (ft ²) (\	<i>N</i> /ft ²) (\		tem Tag Luminain OR AE 32		Watts 1,536
This section does not apply to this project.				LIBRARY WHOLE BUILDING	Library	3,144	0.7 2,	,200.8	OR AE 32 B 14.6	48	29.2
					Total	Allowance (Watts) fo	r all Areas: 2	200.8	Total Des Percent of Indoor Ligh	gn Watts for all Areas	
H. INDOOR LIGHTING CONTROLS (Not including PAFs) This table includes lighting controls for conditioned and unconditioned spaces.									. ereene or muoor Lign	ə i vwər Anuwance	
Building Level Controls				S. DAYLIGHT DESIGN POWI	•	PAF)					
01	02 Shut off controls 120 1(c) (160 5	(b)40	03 Field Inspector	This section does not apply to	this project.						
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5	(b)4C	Pass Fail	T. DWELLING UNIT LIGHTIN	NG						
NA < 4,000W subject to multilevel	See Area/Space Level Contro	IS		This section does not apply to							
	Generated Date/Time:	Documentation Softv	vare: Energy Code Ace								
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000		D: 239673-1124-0002	U. DECLARATION OF REQU Selections have been made ba			v selections have	been changed by p	ermit applicant, an evola	nation should be inclu-	ded in Tahle F
,,	Schema Version: rev 20220101		2024-11-11 13:30:08	Additional Remarks. These do							
							Form/Title				

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

STATE OF CALIFORNIA

TING CONTR	OLS (NOT Including PAFS)								
ols									
	05	06	07	08	09	10	11	1	2
ription	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Daylighting 130.1(d) /	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field In:	spector
		.,	()		160.5(b)4D	.,	.,	Pass	Fail
E BUILDING	Library	Auth. Personnel	NA: <= 80 % LP (alt only)	Occupancy Sensor	NA: <= 80 % LP (alt only)		No		
							13		
						Plan Shee	t Showing Day	/lit Zones:	

01	02	03	04	05	0	6
escription	Complete Building or Area Category Primary	Allowed Density	Area (ft ²)	Allowed Wattage	Additional Allowa	nce / Adjustment
escription	Function Area	(W/ft²)	Alea (It.)	(Watts)	Area Category	PAF
IOLE BUILDING	Library	0.7	3,144	2,200.8	No	No
		TOTALS:	3,144	2,200.8	See Tables J, o	or P for detail

NRCI-LTI-E - Must be submitted for all buildings

Report Version: 2022.0.000 Schema Version: rev 20220101 Documentation Software: Energy Code Ace

Compliance ID: 239673-1124-0002 Report Generated: 2024-11-11 13:30:08

	ATE OF COMPLIANCE
roject Na	
	753 14th Street
DECLA	ARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
election	s have been made based on information provided in this docum
	al Remarks. These documents must be provided to the building in nician Certification Provider (ATTCP). For more information visit.
	F
RCA-LTI	-02-A - Must be submitted for occupancy sensors and automati
	california or Lighting
Project N	Name: Foruna Library Renovation
Project A	Address:_753 14th Street
DOCUN	MENTATION AUTHOR'S DECLARATION STATEMENT
certify	y that this Certificate of Compliance documentation is ac
	tation Author Name:
Company:	Alameida Architecture
Address:	
City/State	
	NSIBLE PERSON'S DECLARATION STATEMENT ne following under penalty of perjury, under the laws of the State of California:
1.	The information provided on this Certificate of Compliance is true and correc
2. 3.	I am eligible under Division 3 of the Business and Professions Code to accept The energy features and performance specifications, materials, components,
	of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4.	The building design features or system design features identified on this Cert plans and specifications submitted to the enforcement agency for approval w
5.	I will ensure that a completed signed copy of this Certificate of Compliance sh inspections. I understand that a completed signed copy of this Certificate of C
lesponsit	^{ole Designer Name:} Donald Alameida
Company: Address:	Alameida Architecture
City/State	_{//zip:} 555 S.Main Street Suite 2
	Sebastopol CA 95472
Indo	oor Lighting Mandatory Measures:
	oor Lighting Mandatory Measures: LIGHTING CONTROLS AND COMPONENTS
110.9 All Lk	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT
110.9 All Lio Note:	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10
110.9 All Lic <i>NOTE:</i> 130.0	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS
110.9 All Lio <i>Note:</i> 130.0 All Lu	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c).
110.9 ALL LIG <i>NOTE:</i> 130.0 ALL LL ENERG 130.1	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS
110.9 ALL LK <i>NOTE:</i> 130.0 ALL LL ENERG 130.1 EACH	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS
110.9 ALL LIK <i>NOTE:</i> 130.0 ALL LL ENERC 130.1 EACH AND C	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS DFF MANUAL CONTROLS SHALL:
110.9 ALL LIG NOTE: 130.0 ALL LL ENERG 130.1 EACH AND C 1. BE F	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS OFF MANUAL CONTROLS SHALL: READILY ACCESSIBLE
110.9 ALL LIG NOTE: 130.0 ALL LL ENERG 130.1 EACH AND C 1. BE F 2. BE L	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS DFF MANUAL CONTROLS SHALL: READILY ACCESSIBLE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTIN
110.9 ALL LK NOTE: 130.0 ALL LL ENERG 130.1 EACH AND C 1. BE F 2. BE L 3. PRC	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS DFF MANUAL CONTROLS SHALL: READILY ACCESSIBLE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTIN DVIDE SEPARATE CONTROL OF GENERAL, FLOOR, WALL, W
110.9 ALL LIG NOTE: 130.0 ALL LL ENERG 130.1 EACH AND C 1. BE F 2. BE I 3. PRC ON AN 130.1	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS DFF MANUAL CONTROLS SHALL: READILY ACCESSIBLE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTIN DVIDE SEPARATE CONTROL OF GENERAL, FLOOR, WALL, W ND OFF SEPARATELY WITHOUT AFFECTING OTHER LIGHTIN (c): SHUTOFF CONTROLS
110.9 ALL LIG NOTE: 130.0 ALL LL ENERG 130.1 EACH AND C 1. BE F 2. BE L 3. PRC ON AN 130.1 ALL IN	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS OFF MANUAL CONTROLS SHALL: READILY ACCESSIBLE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTIN OVIDE SEPARATE CONTROL OF GENERAL, FLOOR, WALL, W ND OFF SEPARATELY WITHOUT AFFECTING OTHER LIGHTIN (c): SHUTOFF CONTROLS
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110.9 ALL LIG <i>NOTE:</i> 130.0 ALL LL ENERG 130.1 EACH AND C 1. BE F 2. BE L 3. PRC ON AN 130.1 ALL IN 130.1	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS OFF MANUAL CONTROLS SHALL: READILY ACCESSIBLE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTIN OVIDE SEPARATE CONTROL OF GENERAL, FLOOR, WALL, W ND OFF SEPARATELY WITHOUT AFFECTING OTHER LIGHTIN (c): SHUTOFF CONTROLS ISTALLED INDOOR LIGHTING SHALL BE EQUIPPED WITH CO
110.9 ALL LIG NOTE: 130.0 ALL LL ENERC 130.1 EACH AND C 1. BE F 2. BE I 3. PRC ON AN 130.1 ALL IN A. COI TIME-5	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS DFF MANUAL CONTROLS SHALL: READILY ACCESSIBLE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTIN OVIDE SEPARATE CONTROL OF GENERAL, FLOOR, WALL, W ND OFF SEPARATELY WITHOUT AFFECTING OTHER LIGHTIN (c): SHUTOFF CONTROLS STALLED INDOOR LIGHTING SHALL BE EQUIPPED WITH CC (c)1: CONTROL REQUIREMENTS ISTALLED INDOOR LIGHTING SHALL HAVE ALL OF THE FOLL NTROL(S) CAPABLE OF AUTOMATICALLY SHUTTING OFF AL SWITCH CONTROL, OR OTHER)
110.9 ALL LIG NOTE: 130.0 ALL LL ENERG 130.1 EACH AND C 1. BE F 2. BE L 3. PRC ON AN 130.1 ALL IN A. COI TIME- B. SEP	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS OFF MANUAL CONTROLS SHALL: READILY ACCESSIBLE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTIN OVIDE SEPARATE CONTROL OF GENERAL, FLOOR, WALL, W ND OFF SEPARATE CONTROL OF GENERAL, FLOOR, WALL, W ND OFF SEPARATELY WITHOUT AFFECTING OTHER LIGHTIN (c): SHUTOFF CONTROLS ISTALLED INDOOR LIGHTING SHALL BE EQUIPPED WITH CC (c)1: CONTROL REQUIREMENTS ISTALLED INDOOR LIGHTING SHALL HAVE ALL OF THE FOLL NTROL(S) CAPABLE OF AUTOMATICALLY SHUTTING OFF AL SWITCH CONTROL, OR OTHER) ARATE CONTROLS FOR LIGHTING ON EACH FLOOR (OTHER
110.9 ALL LIC NOTE: 130.0 ALL LL ENERC 130.1 EACH AND C 1. BE F 2. BE I 3. PRC ON AN 130.1 ALL IN 130.1 ALL IN A. COI TIME- B. SEP. C. SEP	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS DFF MANUAL CONTROLS SHALL: READILY ACCESSIBLE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTIN OVIDE SEPARATE CONTROL OF GENERAL, FLOOR, WALL, W ND OFF SEPARATELY WITHOUT AFFECTING OTHER LIGHTIN (c): SHUTOFF CONTROLS ISTALLED INDOOR LIGHTING SHALL BE EQUIPPED WITH CC (c)1: CONTROL REQUIREMENTS ISTALLED INDOOR LIGHTING SHALL HAVE ALL OF THE FOLL NTROL(S) CAPABLE OF AUTOMATICALLY SHUTTING OFF AL SWITCH CONTROL, OR OTHER) ARATE CONTROLS FOR LIGHTING ON EACH FLOOR (OTHER ARATE CONTROLS FOR A SPACE ENCLOSED BY CEILING HE
110.9 ALL LIC NOTE: 130.0 ALL LL ENERC 130.1 EACH AND C 1. BE F 2. BE I 3. PRC ON AN 130.1 ALL IN 130.1 ALL IN A. COI TIME- 5. SEP 130.1	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS OFF MANUAL CONTROLS SHALL: READILY ACCESSIBLE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTII OVIDE SEPARATE CONTROL OF GENERAL, FLOOR, WALL, WI ND OFF SEPARATELY WITHOUT AFFECTING OTHER LIGHTIN (c): SHUTOFF CONTROLS ISTALLED INDOOR LIGHTING SHALL BE EQUIPPED WITH CC (c)1: CONTROL REQUIREMENTS ISTALLED INDOOR LIGHTING SHALL BE EQUIPPED WITH CC (c)1: CONTROL REQUIREMENTS ISTALLED INDOOR LIGHTING SHALL HAVE ALL OF THE FOLL NTROL(S) CAPABLE OF AUTOMATICALLY SHUTTING OFF AL SWITCH CONTROL, OR OTHER) ARATE CONTROLS FOR LIGHTING ON EACH FLOOR (OTHER ARATE CONTROLS FOR A SPACE ENCLOSED BY CEILING HE (c)6 PARTIAL OR FULL-OFF OCCUPANT SENSORS
110.9 ALL LIG NOTE: 130.0 ALL LL ENERG 130.1 EACH AND C 1. BE F 2. BE L 3. PRC ON AN 130.1 ALL IN A. COI TIME- B. SEP C. SEP 130.1 PROVI	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS DFF MANUAL CONTROLS SHALL: READILY ACCESSIBLE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTIN OVIDE SEPARATE CONTROL OF GENERAL, FLOOR, WALL, W ND OFF SEPARATELY WITHOUT AFFECTING OTHER LIGHTIN (c): SHUTOFF CONTROLS ISTALLED INDOOR LIGHTING SHALL BE EQUIPPED WITH CC (c)1: CONTROL REQUIREMENTS ISTALLED INDOOR LIGHTING SHALL HAVE ALL OF THE FOLL NTROL(S) CAPABLE OF AUTOMATICALLY SHUTTING OFF AL SWITCH CONTROL, OR OTHER) ARATE CONTROLS FOR LIGHTING ON EACH FLOOR (OTHER ARATE CONTROLS FOR A SPACE ENCLOSED BY CEILING HE
110.9 ALL LIC NOTE: 130.0 ALL LL ENERG 130.1 EACH AND C 1. BE F 2. BE L 3. PRC ON AN 130.1 ALL IN ALL IN A. COP TIME- SEP. C. SEP. 130.1 PROVI	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS OFF MANUAL CONTROLS SHALL: READILY ACCESSIBLE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTIN OVIDE SEPARATE CONTROL OF GENERAL, FLOOR, WALL, W ND OFF SEPARATE CONTROL OF GENERAL, FLOOR, WALL, W ND OFF SEPARATELY WITHOUT AFFECTING OTHER LIGHTIN (c): SHUTOFF CONTROLS ISTALLED INDOOR LIGHTING SHALL BE EQUIPPED WITH CC (c)1: CONTROL REQUIREMENTS ISTALLED INDOOR LIGHTING SHALL BE EQUIPPED WITH CC (c)2 SAPABLE OF AUTOMATICALLY SHUTTING OFF AL SWITCH CONTROL, OR OTHER) ARATE CONTROLS FOR LIGHTING ON EACH FLOOR (OTHER ARATE CONTROLS FOR A SPACE ENCLOSED BY CEILING HE (c)6 PARTIAL OR FULL-OFF OCCUPANT SENSORS, IN ADDITIC
110.9 ALL LIG NOTE: 130.0 ALL LL ENERC 130.1 EACH AND C 1. BE F 2. BE L 3. PRC ON AN 130.1 (ALL IN A. COI TIME-3 B. SEP 130.1 (PROVI	LIGHTING CONTROLS AND COMPONENTS GHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10 GENERAL LUMINAIRE REQUIREMENTS JMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c). GY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEE (a) MANUAL AREA CONTROLS ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS OFF MANUAL CONTROLS SHALL: READILY ACCESSIBLE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTIN OVIDE SEPARATE CONTROL OF GENERAL, FLOOR, WALL, W ND OFF SEPARATELY WITHOUT AFFECTING OTHER LIGHTIN (c): SHUTOFF CONTROLS ISTALLED INDOOR LIGHTING SHALL BE EQUIPPED WITH CC (c)1: CONTROL REQUIREMENTS ISTALLED INDOOR LIGHTING SHALL BE EQUIPPED WITH CC (c)2: CONTROL, OR OTHER) ARATE CONTROL, OR OTHER) ARATE CONTROLS FOR LIGHTING ON EACH FLOOR (OTHER ARATE CONTROLS FOR A SPACE ENCLOSED BY CEILING HE (c)6 PARTIAL OR FULL-OFF OCCUPANT SENSORS, IN ADDITH AISLE WAYS AND OPEN AREAS IN WAREHOUSES

Indoor Lighting Mandatory Measures:

130.1(f) CONTROL INTERACTIONS EACH LIGHTING CONTROL INSTALLED TO MEET 130.1 REQUIREME SECTION.

1. FOR GENERAL LIGHTING, MANUAL AREA CONTROL SHALL PERI SPECIFIED IN 130.1(b), (c), (d) and (e).

2. MANUAL AREA CONTROL SHALL PERMIT SHUTOFF CONTROL T

3. MULTILEVEL CONTROL SHALL PERMIT THE AUTOMATIC DAYLIG

4. MULTILEVEL CONTROL SHALL PERMIT THE DEMAND RESPONSI THE CONTROL AFTER THE EVENT.

5 SHUTOFF CONTROL SHALL PERMIT THE MANUAL AREA CONTROL

6. AUTOMATIC DAYLIGHTING CONTROL SHALL PERMIT MULTILEV 7. FOR LIGHTING CONTROLLED BY MULTILEVEL LIGHTING CONTR SHALL PROVIDE A PARTIAL-ON FUNCTION THAT IS CAPABLE OF A

8. RESERVED

9. FOR SPACE CONDITIONING SYSTEM ZONES SERVING ONLY SPACE OCCUPANCY SENSING CONTROLS.

Generated Date/Time:

CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Report Page: (Page 7 of 8) Date Prepared: 711/12/24 2024-11-11T16:30:06-05:00	PROJECT MANAGEMENT ALAMEIDA ARCHITECTURE CONSTRUCTION MANAGEMENT 555 S. MAIN STREET, SUITE 2 SEBASTOPOL, CA 95472 (707) 824-1219 WWW.ALAMEIDA.COM
nent. If any selections have been changed by the permit applicant, an explanation should be included in Table E. inspector during construction and any with "-A" in the form name must be completed through an Acceptance t: http://www.energy.ca.gov/title24/attcp/providers.html Form/Title Systems/Spaces To Be Field Verified ic time switch controls. LIBRARY WHOLE BUILDING	COUNTY OF HUMBOLDT
CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Report Page: (Page 8 of 8) Date Prepared: 711/12/24 Courate and complete.	<section-header>PROJECTFORTUNA LIBRARY DODIFICATIONSACTIONA ACTION</br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></section-header>
T SOURCES SHALL MEET THE APPLICABLE REQUIREMENTS OF 110.9. 20,000 FT2 THRESHOLD. ET REQUIREMENTS OF 130.0(e). BUILDING SHALL HAVE LIGHTING CONTROLS THAT ALLOW LIGHTING TO BE MANUALLY TURNED ON ING IT CONTROLS. INDOW CASE DISPLAY, ORNAMENTAL AND SPECIAL EFFECTS LIGHTING SO EACH TYPE CAN BE TURNED INDOW CASE DISPLAY, ORNAMENTAL AND SPECIAL EFFECTS LIGHTING SO EACH TYPE CAN BE TURNED INDOW CASE DISPLAY, ORNAMENTAL AND SPECIAL EFFECTS LIGHTING SO EACH TYPE CAN BE TURNED INDOW CASE DISPLAY, ORNAMENTAL AND SPECIAL EFFECTS LIGHTING SO EACH TYPE CAN BE TURNED INDOW CASE DISPLAY, ORNAMENTAL AND SPECIAL EFFECTS LIGHTING SO EACH TYPE CAN BE TURNED INDOW CASE DISPLAY, ORNAMENTAL UNCCUPIED (OCCUPANT SENSING CONTROL, AUTOMATIC IL LIGHTING IN THE SPACE WHEN TYPICALLY UNOCCUPIED (OCCUPANT SENSING CONTROL, AUTOMATIC R THAN STAIRWELLS) EIGHT PARTITIONS NOT EXCEEDING 5,000 FT2 ION TO SHUTOFF CONTROLS PER 130.1(c)1 AND 130.1(c)2, IN THE FOLLOWING SPACES:	No. Description Date 1 PLAN CHECK COMMENTS 4/9/25
MENTS SHALL INCORPORATE THE FUNCTIONS OF OTHER LIGHTING CONTROLS REQUIRED BY THIS RMIT THE LEVEL OF LIGHT PROVIDED WHILE LIGHTING IS ON TO BE SET OR ADJUSTED BY CONTROLS TO TURN THE LIGHTING DOWN OR OFF. GHTING CONTROL TO ADJUST ELECTRIC LIGHTING IN RESPONSE TO DAYLIGHT. SIVE (DR) CONTROL TO ADJUST ELECTRIC LIGHTING A DR EVENT THEN RETURN IT TO THE LEVEL SET BY ROL TO TURN THE LIGHTING ON. VEL LIGHTING CONTROL TO ADJUST THE LIGHTING LEVEL. ROLS AND OCCUPANT SENSING CONTROLS THAT PROVIDE AUTOMATIC-ON FUNCTION, CONTROLS AUTOMATICALLY ACTIVATING BETWEEN 50-70% OF CONTROLLED LIGHTING POWER. ACCES THAT ARE REQUIRED TO HAVE OCCUPANT SENSING CONTROLS SHALL BE CONTROLLED BY	h
	Project number Project Number Date 5 15 24 Drawn by Author Checked by Checker T24-1 Scale

CERTIFICATE OF COMPLIANCE				NRCC-MCH-E	Mechanica	al Systems
This document is used to demonstrate compliance for	or mechanical systems that are w	thin the scope of the permit ap	plication and are demonstrating	compliance using the prescriptive	CERTIFICATE OF	
path outlined in 140.4, or 141.0(b)2 for alterations.					Project Name:	Foruna Libra
Project Name: Foruna Library Renovation		Report Page:	1000	(Page 1 of 9)		_753 14t
Project Address: 753 14th Street		Date Prepared: 711/	/12/24	2024-11-11T17:24:08-05:00]	
A. GENERAL INFORMATION					F. HVAC SYST	EM SUMMA
01 Project Location (city)	Fortuna	04 Total Conditione	d Floor Area	3144	Dry System Eq	uipment Effic
02 Climate Zone	1	05 Total Unconditio	ned Floor Area	0	01	
03 Occupancy Types Within Project:		06 # of Stories (Hab	itable Above Grade)	1		
• Library B. PROJECT SCOPE					Name or Iter Tag	n
This table Includes mechanical systems or component 140.4, 170.2(b) or 141.0(b)2 and 180.2(b)2 for alter		e permit application and are de	emonstrating compliance using th	ne prescriptive path outlined in	M-0 MECHANICA	.L
01		02		03	NOTES AND)
Air System(s)	Wets	ystem Components	Dry Sys	tem Components	DETAILS	
🛛 Heating Air System	Water Ecor	omizer	Air Economiz	er		
Cooling Air System	Pumps		Electric Resis	tance Heat	G. PUMPS	
Mechanical Controls	System Pip	ng	Fan Systems		This section do	oes not apply t
Mechanical Controls (existing to remain or new)	n, altered 🛛 Cooling Tow	vers	🛛 Ductwork (ex	isting to remain, altered or new)		
	Chillers		🛛 Ventilation		H. FAN SYSTE	EMS & AIR EG
	Boilers		Zonal System	s/ Terminal Boxes	This section do	oc not apply t

state of california Mechanical Systems		CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE		NRCC-MCH-E
Project Name: Foruna Library Renovation	Report Page:	(Page 2 of 9)
753 14th Street	Date Prepared: 711/12/24	2024-11-11T17:24:08-05:00

C. COMPLIA	NCE R	ESULTS													
	ble C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES TO COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.														
01		02		03		04		05		06		07		08	09
System Summary 110.1, 110.2, 140.4, 170.2(c)	AND	Pumps 140.4(k), 170.2(c)4l	AND	Fans/ Economizers 140.4(c), 140.4(e), 170.2(c)	AND	System Controls 110.2, 120.2, 140.4(f), 170.2(c)	AND	Ventilation 120.1, 160.2	AND	Terminal Box Controls 140.4(d), 170.2(c)4B	AND	Distribution 120.3, 140.4(I), 160.2, 160.3	AND	Cooling Towers 110.2(e)2	Compliance Results
(See Table F)		(See Table G)		(See Table H)		(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)	
Yes	AND		AND		AND	Yes	AND	Yes	AND		AND	Yes	AND		COMPLIES with Exceptional Conditions
	•		-	Mandatory	Measu	ires Complian	ce (See	Table Q for D	etails)			-	COMP	LIES	

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
Transfer air is being used in at least one zone to meet minimum ventilation requirements. See Table J for details. Transfer air must be designed per <u>\$120.1(g)</u> for air classification and recirculation limitations and be documented within construction documents.

E. ADDITIONAL REMARKS

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

STATE OF CALIFORNIA

Mechanical Systems

STATE OF CALIFORN	IIA		
Mechanica	l Systems		CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF	COMPLIANCE		NRCC-MCH-E
Project Name:	Foruna Library Renovation	Report Page:	(Page 3 of 9)
	_753 14th Street	Date Prepared: 711/12/24	2024-11-11T17:24:08-05:00

F. HVAC SYSTEM	M SUMMARY	' (DRY & WET	SYSTEMS)									
Space Condition	ing System Inf	ormation										
01		0	2	03	04 05			5		06		
System N	lame	Quantity		System Serving	System Serving Syste			Space Type			Utilizing Recovered H	
	ECHANICAL NOTES 1		Multi-zone									
Dry System Equi	pment Sizing (includes air co	nditioners, con	densers, heat pumps, VR	F, furnaces and u	init heaters	and DOAS s	systems)				
01	C)2		03	04	05	06	07 08 09 10 11				
	Name or Item Tag 170.2(c)3aii						Equipme			al Schedule & 170.2(c)2		
					Smallest Size	He	ating Outpu	t ^{2,3}	Cooling	Output ^{2,3}	Load Calc	ulations ^{3,4}
Name or Item Tag			pe per Tables 110.2 and Title 20	Available ¹ 140.4(a) and 170.2(c)1	Per Design (kBtu/h)	Rated (kBtu/h)	Supp. Heating Output (kBtu/h)	Sensible Per Design (kBtu/h)	Rated (kBtu/h)	Total Heating Load (kBtu/h)	Total Sensible Cooling Load (kBtu/h)	
M-0 MECHANICAL NOTES AND DETAILS	Variable Ref	rigerant Flow	VRF hea	VRF heat pump, air cooled		48.5	48.5	0	47	47	83	22

¹FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per 140.4(a) and 170.2(c)1. Healthcare facilities are excepted.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

²It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.

³ If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank. ⁴ Authority Having Jurisdiction may ask for load calculations used for compliance per 140.4(b) and 170.2(c).

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GENERAL LIBRARY AREA 17 Total S occupiable space.

K. TERMINAL BO	X CONTROLS	
This section does n	ot apply to this	project.
L. DISTRIBUTION	(DUCTWORK	and PIPING)
This table is used to	o show complia	nce with mandatory pipe insulation requirements found in 120.3 and mandatory requirements found in 120.4(g) for duct sealing.
01		Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service. Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space shall have a Class I or Class II vapor retarder. All penetrations and joints of which shall be sealed.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Mechanical Systems

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

CALIFORNIA ENERGY COMMISSION

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Project Name: Foruna Library Renovation ____753 14th Street

02	03	04	05	06	07	08	09
		Heati	ng Mode			Cooling Mode	
Size Category (Btu/h)	Rating Condition (°F)	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency
<65,000	47 °Fdb/ 43 °Fwb OSA	HSPF	7.7	11.1	SEER	13	20.2

Date Prepared: 711/12/24

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

CERTIFICATE OF	COMPLIA	NCE											NRCC-MCH-I
Project Name:	Foruna	Library Renov	ation				Repo	rt Page:					(Page 5 of 9
	_753	14th Stro	eet				Date	Prepare	<u>d:</u> 711	1/12/2	4	2	2024-11-11T17:24:08-05:00
. SYSTEM CO													
This table is use 141.0(b)2E 180					ols in 110.2	and 12	0.2 and pre	scriptive	e controis	in 140.4	(f) and (n), 1	70.2(c)4D 170.2(c)4L or	requirements in
01	···· ())	02	03	04	()5	06		07		08	09	10
System Na	ame	System Zoning	Conditione d Floor Area Being Served (ft ²)	Thermostats 110.2(b) & (c) ¹ , 120.2(a) 160.3(a)2 141.0(b)2E & 180.2	, Cor A or 120.	nt-Off htrols 2(e) & 3(a)2D	Isolation Zone Controls 120.2(g) & 160.3(a)2F	110	mand Resp 0.12 120.2 160.3(a)2	2(b) & 2B	Supply Air Temp. Reset 140.4(f) & 170.2(c)4D	Window Interlocks per 140.4(n) & 170.2(c)4D	Direct Digital Control (DDC) per 120.2
Multizone Hea	at Pump	Multi-zone	<= 25,000 ft ²	Setback		Timer /itch	Auto Timer Switch	r NA: P1	TAC, PTHP, HP	, Rm AC,	NA: Alteration	NA: Alteration Project	NA: Alteration in whicl no DDC is existing
FOOTNOTES: 0 nave setback th	· -		rs, gravity flo	por heaters, gravity	room heat	ers, noi	n-central ele	ectric he	eaters, fire	eplaces o	r decorative	gas appliances, wood st	oves are not required to
J. VENTILATIC	ON AND	INDOOR AI	R QUALITY										
n a spreadshee 01		Check t	he box if the		ventilation	calcula	itions on th	e plans,	or attach	ing the c	alculations ir	on the plans or the calcul Instead of completing this ces	
02				P		,			••••	, -			
03		Check t	he box if the	project is using nat	ural ventila	ation in	any nonres	idential	l or hotel/	'motel sp	aces to mee	t required ventilation rat	es per 120.1(c)2.
Vonresidentia	and Hot	el/ Motel M	ultifamily Co	mmon Use Ventilat	tion Systen	ns							
		04			05				0)6			07
System Name		FRESH AIR	FAN 1	System Design Airflov		35	M	stem De nsfer Air	-		338	160	20.1(c) 141.0(b)2 and 2(c)21 ²
												Pro	ovided
08		09		10	11	1	2 13	3	14		15		16
STATE OF CALIFO						G	enerated Dat	te/Time:					oftware: Energy Code Aca
Mechanic	-											CALIFOR	NIA ENERGY COMMISS NRCC-MC
Project Name:		a Library Rend	ovation				Rep	oort Page	e:				(Page 6 c
		3 14th St						te Prepai		1/12/2	24		2024-11-11T17:24:08-05
J. VENTILAT	ION AND) INDOOR A		1								-	
		Mecha	anical Ventila	tion Required per 1	20.1(c)3 ³ 8	& 160.2	(c)3		Exh. \	/ent per 160.2(120.1(c)4 & c)4	DCV or Sensor (Controls per 120.1(d)3,
Space Name or Item Tag		Occupano	ry Type ⁴	Conditioned Floor Area	# of Show heads/	- I F	+ CI I	quired in OA	Required	Provid	ed per Desig	120.1(d)5, and	120.1(e)3 ⁶ 160.2(c)5D)5E 160.2(c)5D

						160.2(0)4	DCV or Sensor Con	trois per 120.1(d)3,	
Occupancy Type ⁴	Conditioned Floor Area (ft ²)	# of Shower heads/ toilets	# of people ⁵	Required Min OA CFM	Required Min CFM	Provided per Design CFM	120.1(d)5, and 120.1(e)3 ⁶ 160.2(c)5D 160.2(c)5E 160.2(c)5D		
Library - reading room/ stacks	2419		22	330			DCV	Provided per <u>§120.1(d)4</u>	
							Occ Sensor	NA: Alteration	
l System Required Min OA CFM				330	18	Ventilation for this S	System Complies?	Yes	

¹ FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system

² Air filtration requirements apply to the following three system types per 120.1(c)1A: space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to

³ Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence. ⁴ See Standards Tables 120.1-A and 120.1-B.

⁵ For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code. ⁶ 120.2(e)3 requires systems serving rooms that are required by 130.1(c) to have lighting occupancy sensing controls to also have occupancy sensing zone controls for ventilation. Examples of spaces which require lighting occupancy sensors include offices 250ft² or smaller, multipurpose rooms less than 1,000 ft², classrooms, conference rooms, restrooms, aisles

and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by 130.1(c).

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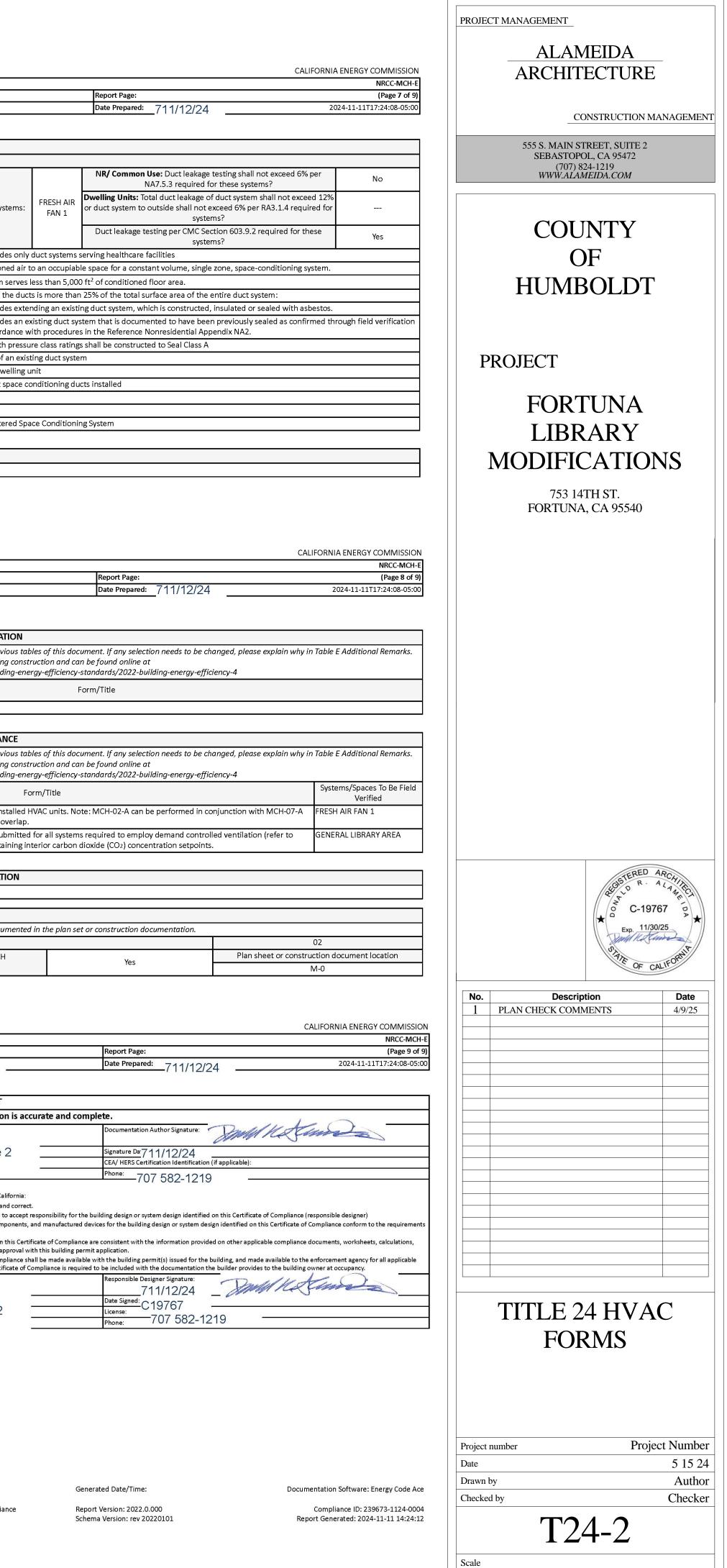
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CERTIFICATE OF CO	MPLIANCE	
-	Foruna Library Re	
	753 14th S	Street
L. DISTRIBUTIO		K and DIDING)
	-	
Duct Leakage Tes	ung	
The answers to th	ne questions be	low apply to the following duct s
11	No	The scope of the project inclu
12	Yes	Duct system provides condition
13	Yes	The space conditioning system
14	No	The <u>combined</u> surface area of
15	No	The scope of the project inclu
16	No	The scope of the project inclu
10	NO	and diagnostic testing in acco
17	Yes	All Ductwork and plenums wit
18	No	All ductwork is an extension o
19	No	Ductwork serving individual d
20		< 25 ft of new or replacement
21	R-0.0	Duct Insulation R-value
22	No	Ductwork Existing To Remain
23	No	Duct System Connected To All
M. COOLING TO	OWERS	
This section does	not apply to thi	s project.
11113 300000 4003		

STATE OF CALIFORNIA

Project Name:	COMPLIANCE
	Foruna Library Renovation
	753 14th Street
N. DECLARAT	ION OF REQUIRED CERTIFICATES OF INSTALLAT
These docume	e been made based on information provided in previ nts must be provided to the building inspector during
https://www.e	nergy.ca.gov/programs-and-topics/programs/buildi
NRCI-MCH-01	E - Must be submitted for all buildings
O. DECLARAT	ION OF REQUIRED CERTIFICATES OF ACCEPTAN
	e been made based on information provided in previ
	nts must be provided to the building inspector during
https://www.e	nergy.ca.gov/programs-and-topics/programs/buildi
	-A - Outdoor Air must be submitted for all newly ins O Acceptance (if applicable) since testing activities or
NRCA-MCH-06	-A Demand Control Ventilation Systems must be sub vary outside ventilation flow rates based on maintai
120.1(c)5) can	
P. DECLARAT	ON OF REQUIRED CERTIFICATES OF VERIFICATI
	IRCV forms required for this project.
There are no N	
	DRY MEASURES DOCUMENTATION LOCATION
q. Mandato	ORY MEASURES DOCUMENTATION LOCATION ed to indicate where mandatory measures are docur
q. Mandato	

DOCUMENTATION AU	JTHOR'S DECLARATION STATEMENT
l certify that this Cert	ificate of Compliance documentation i
Documentation Author Name	
DONALD ALAMEIDA	Alameida Architecture
Company:	555 S.Main Street Suite 2
Address:	—Sebastopol CA 95472
City/State/Zip:	
RESPONSIBLE PERSON	N'S DECLARATION STATEMENT
l certify the following under p	enalty of perjury, under the laws of the State of Califo
1. The information p	provided on this Certificate of Compliance is true and o
	r Division 3 of the Business and Professions Code to a
	es and performance specifications, materials, compo and Part 6 of the California Code of Regulations.
	n features or system design features identified on thi ations submitted to the enforcement agency for appr
	a completed signed copy of this Certificate of Complia erstand that a completed signed copy of this Certifica
Responsible Designer Name:	Donald Alameida
DONALD ALAMEIDA	
Company:	Alameida Architecture
Address:	555 S.Main Street Suite 2
City/State/Zip:	Sebastopol CA 95472
	No. Reserves restant fragments in the second s



Space Conditioning Mandatory Measures:

110.2 CERTIFICATION BY MANUFACTURERS ANY SPACE CONDITIONING EQUIPMENT LISTED IN <u>§110.2</u> SHALL ONLY BE INSTALLED IF CERTIFIED TO THE ENERGY COMMISSION TO MEET ALL APPLICABLE <u>§110.2</u> REQUIREMENTS.

110.2(a) SPACE CONDITIONING EQUIPMENT EFFICIENCY

EQUIPMENT SHALL MEET APPLICABLE EFFICIENCY REQUIREMENTS IN TABLE 110.2-A THROUGH TABLE 110.2-N.

110.2(c) SETBACK THERMOSTATS ALL HEATING OR COOLING SYSTEMS NOT CONTROLLED BY A CENTRAL ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) SHALL HAVE A SETBACK THERMOSTAT WITH CLOCK MECHANISM THAT ALLOWS THE BUILDING OCCUPANT TO PROGRAM THE TEMPERATURE SETPOINTS FOR AT LEAST FOUR PERIODS WITHIN 24 HOURS. 110.5 PILOT LIGHTS PROHIBITED FOR NATURAL GAS EQUIPMENT

PILOT LIGHTS ARE PROHIBITED ON NATURAL GAS FAN-TYPE CENTRAL FURNACES, POOL HEATERS, SPA HEATERS, AND FIREPLACES.

110.8(a) INSULATION CERTIFICATION

INSTALLED INSULATION SHALL BE CERTIFIED BY THE DEPARTMENT OF CONSUMER AFFAIRS PER TITLE 24, PART 12, CHAPTERS 12-13, ARTICLE 3 "STANDARDS FOR INSULATING MATERIAL."

110.8(b) UREA FORMALDEHYDE INSULATION

UREA FORMALDEHYDE INSULATION SHALL NOT BE INSTALLED UNLESS IN EXTERIOR SIDE WALLS WITH A FOUR-MIL-THICK PLASTIC POLYETHYLENE VAPOR RETARDER OR EQUIVALENT PLASTIC SHEATHING VAPOR RETARDER INSTALLED BETWEEN THE UREA FORMALDEHYDE FOAM INSULATION AND THE INTERIOR SPACE. 110.8(c) INSULATING MATERIAL

ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF THE CALIFORNIA BUILDING CODE.

110.8(d) DUCTS

IF INSULATION IS INSTALLED ON AN EXISTING SPACE-CONDITIONING DUCT, IT SHALL COMPLY WITH SECTION 604.0 OF THE CMC.

120.1(a) GENERAL VENTILATION AND INDOOR AIR QUALITY REQUIREMENTS

ALL OCCUPIABLE SPACES IN HOTEL/MOTEL AND NONRESIDENTIAL BUILDINGS OTHER THAN HEALTHCARE SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF 120.1(a) THROUGH (g). THE REQUIRED OUTDOOR AIR VENTILATION RATE AND AIR-DISTRIBUTION SYSTEM DESIGN SHALL BE CLEARLY IDENTIFIED ON THE PLANS. 120.1(c)1 NONRESIDENTIAL AND HOTEL/MOTEL BUILDINGS ALL OCCUPIABLE SPACES SHALL MEET THE FOLLOWING 120.1(c)1 AIR FILTRATION REQUIREMENTS, AND EITHER 120.1(c)2 NATURAL VENTILATION, OR 120.1(c)3 MECHANICAL VENTILATION: A. THE FOLLOWING SYSTEM TYPES SHALL BE PROVIDED WITH AIR FILTERS TO CLEAN OUTSIDE AND RETURN AIR PRIOR TO INTRODUCTION INTO OCCUPIED SPACES:

. NEWLY INSTALLED MECHANICAL SPACE CONDITIONING SYSTEMS THAT USE FORCED AIR DUCTS <10 FT LONG TO SUPPLY AIR TO AN OCCUPIABLE SPACE. i. MECHANICAL SUPPLY-ONLY VENTILATION SYSTEMS THAT PROVIDE OUTSIDE AIR TO AN OCCUPIABLE SPACE. iii. THE SUPPLY SIDE OF MECHANICAL BALANCED VENTILATION SYSTEMS, INCLUDING HEAT RECOVERY VENTILATION SYSTEMS AND ENERGY RECOVERY VENTILATION

SYSTEMS THAT PROVIDE OUTSIDE AIR TO AN OCCUPIABLE SPACE. B. AIR FILTERS SHALL HAVE EFFICIENCY >= MERV 13 WHEN TESTED PER ASHRAE STANDARD 52.2 OR A PARTICLE SIZE EFFICIENCY RATING PER 120.1(c)1B. C. SYSTEM AIR FILTERS SHALL BE EITHER

i. NOMINAL 2 INCH MINIMUM DEPTH, OR

II NOMINAL 1 INCH MINIMUM DEPTH, IF SIZED PER EQUATION 120.1-A BASED ON A MAXIMUM FACE VELOCITY OF 150 FT/MIN

Space Conditioning Mandatory Measures:

120.1(c)2 NATURAL VENTILATION NATURALLY VENTILATED SPACES SHALL BE DESIGNED IN ACCORDANCE WITH 120.1(c)2A THROUGH 120.1(c)2C AND INCLUDE A MECHANICAL VENTILATION SYSTEMS DESIGNED IN ACCORDANCE WITH 120.1(c)3.

120.1(c)3 MECHANICAL VENTILATION

OCCUPIABLE SPACES SHALL BE VENTILATED WITH A MECHANICAL VENTILATION SYSTEM CAPABLE OF PROVIDING AN OUTDOOR AIRFLOW RATE (Vz) TO THE ZONE NO LESS THAN EQUATION 120.1-F. 120.1(d) TIMES OF OCCUPANCY

MINIMUM OUTDOOR AIR RATE SHALL BE MET AT TIMES WHEN THE SPACE IS USUALLY OCCUPIED IN ACCORDANCE WITH 120.1(c).

120.1(d)2 PRE-OCCUPANCY THE LESSER OF THE MINIMUM RATE OF OUTDOOR AIR REQUIRED BY SECTION 120.1(c) OR THREE COMPLETE AIR CHANGES SHALL BE SUPPLIED TO THE ENTIRE BUILDING DURING THE 1-HOUR PERIOD IMMEDIATELY BEFORE THE BUILDING IS NORMALLY OCCUPIED.

120.1(d)3 REQUIRED DEMAND CONTROL VENTILATION DCV CONTROLS ARE REQUIRED FOR A SPACE WITH A DESIGN OCCUPANCY DENSITY >= 25 PEOPLE/1,000 FT2 IF THE SYSTEM SERVING THE SPACE HAS ONE OR MORE OF

THE FOLLOWING

AN AIR ECONOMIZER

 MODULATING OUTSIDE AIR CONTROL • DESIGN OUTDOOR AIRFLOW RATE > 3,000 CFM

120.1(d)4 DEMAND CONTROL VENTILATION DEVICES

A. FOR EACH SYSTEM WITH DCV, AT LEAST ONE CO2 SENSOR PER 10,000 FT2 SHALL BE INSTALLED IN EACH ROOM MEETING 120.1(d)3 CRITERIA. WHEN A ZONE OR A SPACE IS SERVED BY MORE THAN ONE SENSOR, A SIGNAL FROM ANY SENSOR SHALL TRIGGER AN INCREASE IN VENTILATION.

B. CO2 SENSORS SHALL BE BETWEEN 3 AND 6 FT ABOVE THE FLOOR.

. DCV CONTROLS SHALL MAINTAIN CO2 CONCENTRATIONS <= 600 PPM PLUS THE OA CO2 CONCENTRATION IN ALL ROOMS WITH CO2 SENSORS.

). OUTDOOR AIR CO2 CONCENTRATION SHALL BE ASSUMED TO BE 400 PPM IF NO DIRECT MEASUREMENT, OR SHALL BE DYNAMICALLY MEASURED USING A CO2 SENSOR LOCATED WITHIN 4 FT OF THE OUTDOOR AIR INTAKE.

E. FOR SYSTEMS OPERATING DURING OCCUPANCY, CONTROLS SHALL MAINTAIN OA VENTILATION RATES NO LESS THAN: THE RATE LISTED IN TABLE 120.1-A TIMES THE CONDITIONED FLOOR AREA FOR SPACES WITH CO2 SENSORS, PLUS THE RATE REQUIRED BY 120.1(c)3 FOR OTHER SPACES SERVED BY THE SYSTEM,

OR THE EXHAUST AIR RATE, WHICH EVER IS GREATER.

F. CO2 SENSORS SHALL BE CERTIFIED BY THE MANUFACTURER TO MEET THE ACCURACY, CALIBRATION AND RESET REQUIREMENTS OF 120.1(d)4F.

. THE CO2 SENSOR READING FOR EACH ZONE SHALL BE DISPLAYED CONTINUOUSLY AND SHALL BE RECORDED ON SYSTEMS WITH DDC TO THE ZONE LEVEL. 120.1(f) DESIGN AND CONTROL REQUIREMENTS FOR QUANTITIES OF OUTDOOR AIR

120.1(f)1 ALL MECHANICAL VENTILATION AND SPACE-CONDITIONING SYSTEMS SHALL BE DESIGNED WITH AND HAVE INSTALLED DUCTWORK, DAMPERS, AND CONTROLS TO ALLOW OA RATES TO BE OPERATED AT NO LESS THAN THE LARGER OF: 120.1(c)3 MINIMUMS OR THE RATE REQUIRED FOR MAKE-UP OF EXHAUST SYSTEMS FOR AN EXEMPT OR COVERED PROCESS, CONTROL OF ODORS, OR CONTAMINANT REMOVAL IN A SPACE.

Space Conditioning Mandatory Measures:
120.1(g) AIR CLASSIFICATION AND RECIRCULATION LIMITATIONS AIR CLASSIFICATION AND RECIRCULATION LIMITATIONS OF AIR SHALL BE BASED ON TABLE 120.1-A OR TABLE 120.1-C, AND IN ACCORDANCE WITH 120.1(g)1 THROUGH
4. 120.2(a) THERMOSTAT CONTROLS
HEATING AND COOLING SUPPLY TO EACH SPACE-CONDITIONING ZONE OR DWELLING UNIT SHALL BE CONTROLLED BY AN INDIVIDUAL THERMOSTATIC CONTROL THAT RESPONDS TO TEMPERATURE IN THE ZONE AND MEETS 120.2(b) REQUIREMENTS.
120.2(b) ZONAL THERMOSTAT CONTROLS
120.2(b)1 BEING SET TO 55 °F OR LOWER, WHEN CONTROLLING HEATING 120.2(b)2 BEING SET UP TO 85 °F OR HIGHER, WHEN CONTROLLING COOLING 120.2(b)3 PROVIDING A TEMPERATURE RANGE, OR DEAD BAND OF AT LEAST 5 °F WITHIN WHICH HEATING AND COOLING TO THE ZONE IS SHUT OFF OR REDUCED TO A MINIMUM.
 120.2(e)1 AUTOMATIC SHUT-OFF FOR SPACE-CONDITIONING SYSTEMS EACH SPACE-CONDITIONING SYSTEM SHALL BE INSTALLED WITH ONE OF THE FOLLOWING CONTROLS CAPABLE OF AUTOMATICALLY SHUTTING OFF THE SYSTEM DURING PERIODS OF NONUSE: AUTOMATIC TIME SWITCH CONTROL PER 110.9, WITH ACCESSIBLE MANUAL OVERRIDE ALLOWING SYSTEM OPERATION FOR UP TO 4 HOURS, OR AN OCCUPANCY SENSOR, OR A 4-HOUR TIMER THAT CAN BE MANUALLY OPERATED.
 120.2(e)2 AUTOMATIC RESTART FOR SPACE-CONDITIONING SYSTEMS EACH SPACE-CONDITIONING SYSTEM SHALL BE INSTALLED WITH CONTROLS THAT SHALL AUTOMATICALLY RESTART AND TEMPORARILY OPERATE THE SYSTEM AS REQUIRED TO MAINTAIN: 120.2(e)2A A SETBACK HEATING THERMOSTAT SETPOINT IF THE SYSTEM PROVIDES MECHANICAL HEATING, AND 120.2(e)2B A SETUP COOLING THERMOSTAT SETPOINT IF THE SYSTEM PROVIDES MECHANICAL COOLING.
120.2(f) DAMPERS FOR AIR SUPPLY AND EXHAUST EQUIPMENT OUTDOOR AIR SUPPLY AND EXHAUST EQUIPMENT SHALL BE INSTALLED WITH DAMPERS THAT AUTOMATICALLY CLOSE UPON FAN SHUTDOWN.

EACH SPACE-CONDITIONING SYSTEM SERVING MULTIPLE ZONES WITH A COMBINED CONDITIONED FLOOR AREA OF MORE THAN 25,000 FT2 SHALL BE DESIGNED, INSTALLED AND CONTROLLED TO SERVE ISOLATION AREAS.

• EACH ZONE, OR COMBINATION OF ZONES <25,000 FT2, SHALL BE A SEPARATE ISOLATION AREA.

 EACH ISOLATION AREA SHALL BE PROVIDED WITH ISOLATION DEVICES, SUCH AS VALVES OR DAMPERS THAT ALLOW THE SUPPLY OF HEATING OR COOLING TO BE REDUCED OR SHUT-OFF INDEPENDENTLY OF OTHER ISOLATION AREAS.

120.2(j) DIRECT DIGITAL CONTROLS (DDC)

DDC TO THE ZONE SHALL BE PROVIDED AS SPECIFIED BY TABLE 120.2-A. THE DDC SYSTEM SHALL MEET CONTROL LOGIC REQUIREMENTS OF 120.1(D), 110.12(a) AND 110.12(b) AND BE CAPABLE OF ALL OF THE FOLLOWING:

- AS DESCRIBED IN 110.12(b).

120.2(k) OPTIMUM START/STOP CONTROLS

OCCUPANCY.

A MINIMUM INSTALLED LEVEL OF R-8:

OUTDOORS

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120 /	1(e)
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٠	DUCT WRAP: l

120.2(g) ISOLATION AREA DEVICES

• EACH ISOLATION AREA SHALL BE CONTROLLED BY A DEVICE MEETING THE REQUIREMENTS OF 120.2(e)1.

Space Conditioning Mandatory Measures:

1. MONITORING ZONE AND SYSTEM DEMAND FOR FAN PRESSURE, PUMP PRESSURE, HEATING AND COOLING

TRANSFERRING ZONE AND SYSTEM DEMAND INFORMATION FROM ZONES TO AIR DISTRIBUTION SYSTEM CONTROLLERS AND FROM AIR DISTRIBUTION SYSTEMS TO HEATING AND COOLING PLANT CONTROLLERS

AUTOMATICALLY DETECTING THE ZONES AND SYSTEMS THAT MAY BE EXCESSIVELY DRIVING THE RESET LOGIC AND GENERATE AN ALARM OR OTHER INDICATION TO THE SYSTEM OPERATOR

1. READILY ALLOW OPERATOR REMOVAL OF ZONE(S) FROM THE RESET ALGORITHM

5. FOR NEW BUILDINGS, TRENDING AND GRAPHICALLY DISPLAYING INPUT AND OUTPUT POINTS 6. RESETTING HEATING AND COOLING SETPOINTS IN ALL NON-CRITICAL ZONES UPON RECEIPT OF A SIGNAL FROM A CENTRALIZED CONTACT OR SOFTWARE POINT

SPACE-CONDITIONING SYSTEMS WITH DDC TO THE ZONE SHALL HAVE OPTIMUM START/STOP CONTROLS. CONTROL ALGORITHM SHALL, AS A MINIMUM, BE A FUNCTION OF THE DIFFERENCE BETWEEN SPACE TEMPERATURE AND OCCUPIED SETPOINT, OUTDOOR AIR TEMP, AND AMOUNT OF TIME PRIOR TO SCHEDULED

MASS RADIANT FLOOR SLAB SYSTEMS SHALL INCORPORATE FLOOR TEMPERATURE ONTO THE OPTIMUM START ALGORITHM.

120.4 AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS PORTIONS OF SUPPLY- AND RETURN-AIR DUCTS CONVEYING HEATED OR COOLED AIR LOCATED IN ONE OR MORE OF THE FOLLOWING SPACES SHALL BE INSULATED TO

 IN A SPACE BETWEEN THE ROOF AND AN INSULATING CEILING • IN A SPACE DIRECTLY UNDER A ROOF WITH FIXED VENTS OR OPENINGS TO THE OUTSIDE OR UNCONDITIONED SPACES

UNCONDITIONED SPACES, SUCH AS UNCONDITIONED CRAWLSPACE

PORTIONS OF SUPPLY-AIR DUCTS THAT ARE NOT IN ONE OF THESE SPACES, INCLUDING DUCTS BURIED IN CONCRETE SLAB, SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-4.2 (OR ANY HIGHER LEVEL REQUIRED BY CMC 605.0), OR BE ENCLOSED IN DIRECTLY CONDITIONED SPACE.

oning Mandatory Measures:

PLENUM MATERIALS

ABRICATED DUCT SYSTEMS MUST:

HUL 181 FOR DUCTS AND CLOSURE SYSTEMS AND BE LABELED AS COMPLYING WITH UL 181 E SENSITIVE TAPES, HEAT ACTIVATED TAPES, AND MASTICS USED IN MANUFACTURE OF RIGID FIBERGLASS DUCTS SHALL COMPLY WITH UL 181 AND

E SENSITIVE TAPES, AND MASTICS USED IN MANUFACTURE OF FLEXIBLE DUCTS SHALL COMPLY WITH UL 181 AND L 181B EAMS SHALL NOT BE SEALED WITH CLOTH BACK RUBBER ADHESIVE DUCT TAPES UNLESS COMBINED WITH MASTICS AND DRAWBANDS.

OUCT SYSTEMS: DE RIGID FIBERGLASS AND FLEXIBLE DUCTS FOR FIELD-FABRICATED DUCT SYSTEMS SHALL COMPLY WITH UL 181. ALL CLOSURE SYSTEMS, RESSURE SENSITIVE TAPES, MASTICS, AND AEROSOL SEALANTS, SHALL MEET THE APPLICABLE REQUIREMENTS OF UL 181, UL 181A AND UL 181B.

ANTS SHALL: Y WITH APPLICABLE REQUIREMENTS OF UL 181, UL 181A, AND UL 181B AND BE NONTOXIC AND WATER RESISTANT.

STM C731 AND D2202, IF USED IN BUILDING INTERIOR,

STM C731, C732, AND D2202, IF USED ON EXTERIOR. ITS AND MESHES SHALL BE RATED FOR EXTERIOR USE.

VSITIVE TAPES SHALL COMPLY WITH APPLICABLE REQUIREMENTS IN UL 181, UL 181A, AND UL 181B.

EAMS SHALL NOT BE SEALED WITH CLOTH BACK RUBBER ADHESIVE DUCT TAPES UNLESS COMBINED WITH MASTICS AND DRAWBANDS.

USED WITH FLEXIBLE DUCTS SHALL:

IER STAINLESS STEEL WORM-DRIVE HOSE CLAMPS OR UV-RESISTANT NYLON DUCT TIES

MINIMUM TENSILE STRENGTH RATING OF 150 LBS. ITENED AS RECOMMENDED BY THE MANUFACTURER

LANT CLOSURES SHALL:

REQUIREMENTS OF UL 723 AND BE APPLIED ACCORDING TO MANUFACTURER SPECIFICATIONS

DR MASTICS USED IN COMBINATION WITH AEROSOL SEALING SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF UL 181, UL 181A, AND UL STM C731, C732 AND D2202.

IN PRODUCT R-VALUES SHALL BE BASED ON INSULATION ONLY AND TESTED IN ACCORDANCE WITH ASTM C518 OR ASTM C177 AND CERTIFIED PER

SS OF DUCT INSULATION USED TO DETERMINE ITS R-VALUE SHALL BE DETERMINED AS FOLLOWS: DUCT BOARD, LINER, AND FACTORY-MADE RIGIDS: USE NOMINAL INSULATION THICKNESS USE 75% (25% COMPRESSION) OF NOMINAL THICKNESS DE FLEXIBLE AIR DUCTS: DIVIDE THE DIFFERENCE BETWEEN THE ACTUAL OUTSIDE DIAMETER AND NOMINAL INSIDE DIAMETER BY TWO.

INSULATED FLEXIBLE DUCT PRODUCTS INSTALLED TO MEET THIS REQUIREMENT MUST INCLUDE LABELS (MAX INTERVALS OF 3 FT) SHOWING THERMAL RESISTANCE PERFORMANCE R-VALUE FOR THE DUCT INSULATION ITSELF BASED ON TESTS IN 120.4(c). AND INSTALLED THICKNESS DETERMINED BY 120.4(d)3.

Space Conditioning Mandatory Measures:

120.4(f) PROTECTION OF INSULATION INSULATION SHALL BE PROTECTED FROM DAMAGE BY SUNLIGHT, MOISTURE, EQUIPMENT MAINTENANCE AND WIND. CELLULAR FOAM INSULATION SHALL BE

PROTECTED. OR BE PAINTED WITH A WATER RETARDANT COATING THAT PROVIDES SHIELDING FROM SOLAR RADIATION.

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HUMBOLDT	
PROJECT	
FORTUNA	
LIBRARY	
MODIFICATION	IS
753 14TH ST.	
FORTUNA, CA 95540	
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