THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS ACTION AGENDA SUMMARY

DEPT: Chief Executive Office	BOARD AGENDA #
Urgent Routine	AGENDA DATE December 14, 2010
Urgent Routine CEO Concurs with Recommendation YES NO (Information Attached)	4/5 Vote Required YES 🔲 NO 🔳

SUBJECT:

Approval of Plans and Specifications for Minor Renovations at the Health Services Agency Public Health Laboratory

STAFF RECOMMENDATIONS:

- 1. Approve the plans and specification for minor renovations at the Health Services Agency Public Health Laboratory prepared by Pacific Design Associates, Inc. of Modesto, California.
- 2. Authorize the Project Manager to issue a notice inviting bids on December 15, 2010 for the construction phase of the project, and for the Project Manager to modify the bid date if necessary.
- 3. Authorize the Project Manager to accept and open bids on January 19, 2011, at 2:00 p.m.; and return to the Board to recommend a contract award to the lowest responsible bidder.

FISCAL IMPACT:

The total estimated cost of the Polymerase Chain Reaction (PCR) Project previously approved by the Board was \$376,585, which included equipment costs of \$281,585, and construction costs estimated not to exceed \$95,000. Homeland Security Grant funding of \$281,585 previously approved by the Board on November 3, 2009 will fund equipment costs, while Public Facility Fees (PFF) of \$66,431 and Health Services Agency Public Health laboratory fund balance of \$28,569 will fund construction costs associated with the minor renovations required at the Health Services Agency Public Health Laboratory for the PCR Project. (Continued on Page 2)

BOARD ACTION AS FOLLOWS:

No. 2010-748

On motion of Superviso		, Seconded by SupervisorMonteith
and approved by the fol		
Ayes: Supervisors:	O'Brien, Chiesa,	Monteith, DeMartini, and Chairman Grover
Noes: Supervisors:	None	
Excused or Absent: Sup		
Abstaining: Supervisor:	None	
1) X Approved as	recommended	
2) Denied		
3) Approved as	amended	
4) Other:		
MOTION:		

Approval of Plans and Specifications for Minor Renovations at the Health Services Agency Public Health Laboratory Page 2

FISCAL IMPACT (Continued):

On September 21, 2010, the Board of Supervisors approved a contract for professional architectural design services for the development of plans and specifications for the minor renovations at the Health Services Agency Public Health Laboratory to Pacific Design Associates, Inc. of Modesto, California, for the lump sum amount not to exceed \$9,950.

At this time, the Chief Executive Office is returning to the Board for approval of the plans and specifications for the minor renovations at the Health Services Agency Public Health Laboratory.

Staff is also requesting approval to issue a notice inviting bids on December 15, 2010 for the construction phase of the project, and to modify the bid date if necessary. Staff is also requesting approval to open and evaluate bids on January 19, 2011, immediately after 2:00 p.m., and return to the Board to recommend an award to the lowest responsible bidder.

The Chief Executive Office will return to the Board to recommend a construction contract award to the lowest responsible bidder prior to beginning the construction phase of the project.

There is no additional impact to the General Fund associated with this item.

DISCUSSION:

The construction of the Stanislaus County Health Services Agency Public Health Laboratory was completed in 1962. The public's health depends upon the rapid, reliable transmission of test results and other vital health data. Elected officials, policy makers, public health, clinicians and emergency responders rely on this data to diagnose, treat and control health threats. Public health laboratories play an essential role in public health and safety. They function to generate critical data used to make informed decisions regarding the implementation of preventative measures and development of effective policies that protect the public from unforeseen conditions, hazards, and threats.

The Health Services Agency's Public Health Department identified the need for a polymerase chain reaction (PCR) system as a critical piece of laboratory infrastructure that will be key in the surveillance and monitoring activities of the County Health Department. Laboratory applications for this equipment include confirmation of bioterrorism, the H1N1 virus and norovirus.

On December 22, 2009, the Board approved minor renovations needed at the Public Health Laboratory to create an environment where staff can operate most efficiently and effectively and space where the new PCR equipment could be accommodated.

Approval of Plans and Specifications for Minor Renovations at the Health Services Agency Public Health Laboratory Page 3

Recommended modifications to the existing space to support the PCR system were approved by the Board as follows:

- Removal of the existing door from the hall into the new lab space. The existing door into the lab will remain;
- Remove the carpet and replace with sheet vinyl with coved base;
- Remove the existing acoustical ceiling and replace with new gypsum board ceiling;
- Re-paint the room;
- Install new electrical receptacles to accommodate the new equipment;
- Modify the existing heating and air conditioning system to tie into the existing lab system;
- Provide new cabinetry and counter tops; and
- Install a new sink with eye-wash capability.

At that time, the Board also authorized the Project Manager to issue an RFP for licensed contractors for minor renovations.

In the Spring of 2010, Capital Projects staff reviewed the project and the complex requirements of the equipment and recommended a change to the project delivery method. Capital Projects staff believed by enlisting professional architectural design services, to control the cost and the quality of the project, and to ensure the bids the County receives from Licensed Contractors are comparable.

On June 29, 2010, the Board approved a recommended change to the project delivery method which included issuing a RFP for architectural design services for the development of plans and specifications for the minor renovations at the Health Services Agency Public Health Laboratory, and authorized the Project Manager to open and evaluate proposals on July 21, 2010 immediately after 4:00 p.m., and return to the Board to recommend an award.

At this time, the Chief Executive Office is returning to the Board for approval of the plans and specifications for the minor renovations at the Health Services Agency Public Health Laboratory.

The Chief Executive Office will return to the Board to recommend a construction contract award to the lowest responsible bidder prior to beginning the construction phase of the project.

It is anticipated that when the project is completed, the new PCR equipment will enable the Health Services Agency Public Health Laboratory's capability in identifying viral diseases inclusive of bioterrorism, influenza, and norovirus. This is extremely important as longer wait times reduce Public Health's ability to respond to and mitigate H1N1 infections. As longer turnaround times occur due to an ever increasing number of Approval of Plans and Specifications for Minor Renovations at the Health Services Agency Public Health Laboratory Page 4

sick people emerging, the ever-widening sphere of infection could ultimately result in an "outbreak".

Attachment 1 is the Floor Plan Diagram which slows the area recommended for minor renovation as included in the recommended design. A set of Plans and Specifications are available from the Clerk of the Board of Supervisors detailing the entire minor renovation project.

POLICY ISSUES:

Approval of this matter supports the Board priorities of A Safe Community, A Healthy Community, and Efficient Delivery of Public Services.

STAFFING IMPACT:

Chief Executive Office Capital Projects, Health Services Agency Public Health, and Office of Emergency Services staff will collaborate to ensure the project is implemented.

CONTACT PERSON:

Patricia Hill Thomas, Chief Operations Officer. Telephone: 209-525-6333

ATTACHMENTS AVAILABLE FROM YOUR CLERK

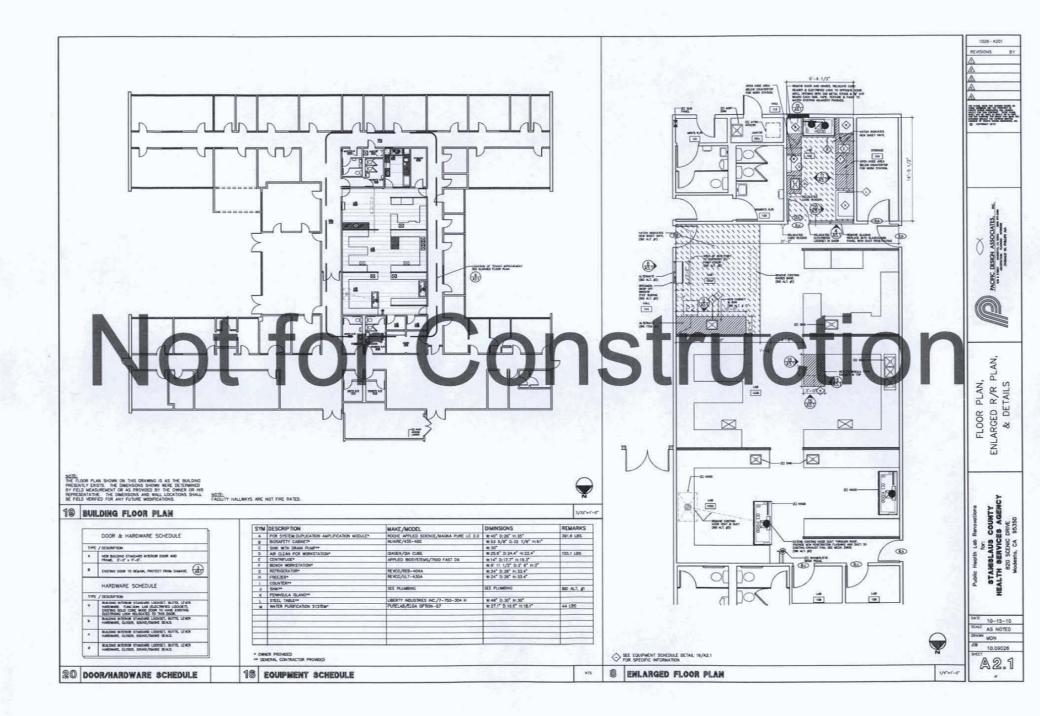


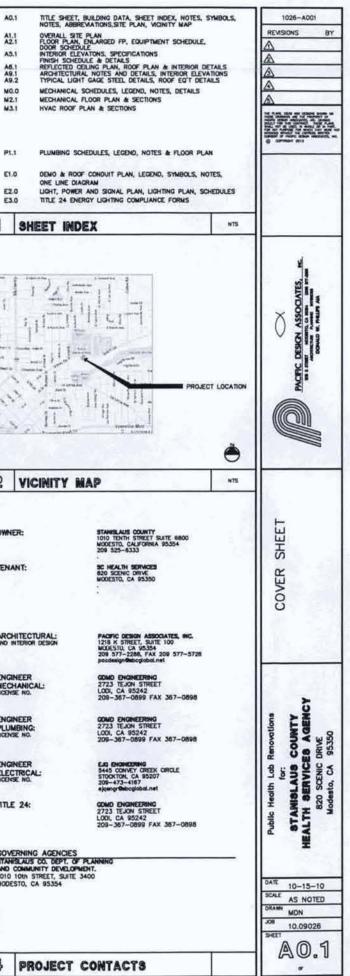
			Table - States		
ACL weinstein is in an and a second and a se			BID SET		A0.1 A1.1 A2.1 A5.1 A5.1 A5.1 A9.1 A9.2
EX0 Juditing MAX antiting EX1 Authors-resulting MAX antitud Odd addreft MOX antitud Odd antitud MOX antitud Odd antitud Odd antitud	T T	ENAN	IT IMPROV	EMENTS	N0.0 N2.1 N3.1
OLd ministre fragment Virg Mail to ministre fragment Out ministre fragment Out ministre fragment Out ministre fragment Out ministre fragment Out ministre fragment Provide ministre fragment Ministre fragment Out ministre fragment Provide ministre fragment Ministre fragment Ministre fragment Out ministre fragment Provide ministre fragment Ministre fragment Ministre fragment Out ministre fragment Ministre fragment Ministre fragment Ministre fragment Out ministre fragment Ministre fragment Ministre fragment Ministre fragment Ministre fragment <			FOR		P1.1 E1.0 E2.0
		STAN	ISLAUS CO	DUNTY	E3.0
Bit statute way Bit statute way Bit statute way Bit region		LTH	SERVICES	AGENCY	land land
regen kann seite fri Russen and State Sta		and the second second second	20 SCENIC DRIV		
a denotes her v and the analysis her v and the analysis her v and the analysis her variants analysis her variants and the anal		modes	TO, CALIFORNI/ APN # 111-048-001	4 95350	3
18 ABBREVIATIONS	14				2
MATCH LINE	PROJECT LOCATION: ZONING: SITE AREA: OCCUPANCY: TYPE OF CONSTRUCTION: NO. OF STORIES: AREA, TOTAL: TENANT SPACES:	R20 SCENIC ORIVE MODESTO, CALIFORNIA C-2 1.22 ± ACRES B - LABORATORES & MEDICAL OFFICES V B ONE BUILDING: ±15,130 SF EXOSTING LAB SUITE 1,909 SF REMODEL LAB 1,909 SF	PLANS ARE COMPLETE & CONFORM WITH CALIFORNIA BUILDING STANDARDS CODE, TITLE 24, PART 2 (2007 CALIFORNIA BUILDING CODE), PART 3 (2007 CALIFORNIA ELECTRICAL CODE), PART 4 (2007 CALIFORNIA MECHANICAL CODE), PART 5 (2007 CALIFORNIA FLUMBING CODE) 2008 CALIFORNIA ENERGY CODE, AND STANSAUS COUNTY CODE. ALL WORK PERFORMED SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT (ADA).	 DEMOLISH WALLS AND DOORS AS SHOWN ON DRAWINGS INSTALL NEW WALLS AND DOORS AS SHOWN ON DRAWINGS INSTALL NEW HVAC DUCTWORK & GRILLES AS SHOWN ON DWGS INSTALL NEW FLCTRECAL LIGHTING, POWER & SERVICE AS SHOWN ON DWGS. INSTALL NEW POORS & HARDWARE AS SHOWN ON DWGS. INSTALL NEW POUNTERS & CARINETS AS SHOWN ON DWGS. INSTALL NEW POUNTERS & CARINETS AS SHOWN ON DWGS. INSTALL NEW POUNTERS & CARINETS AS SHOWN ON DWGS. INSTALL NEW POUNTERS & CARINETS AS SHOWN ON DWGS. INSTALL NEW POUNTERS & CARINETS AS SHOWN ON DWGS. INSTALL NEW ADDRATORY COUPHENT AS NOTED ON A2.1 DET 16 FOR CONTRACTOR INSTALLATION AND FINAL HOOKUP 	OWNER
MENS ROOM 218 (104.1) DOOR NUMBER	FIRE SPRINKLERS:	TOTAL AREA IMPROVED: 2,045 SF NOME 9,000 SF	FIRE EXTINUISHER LOCATIONS AND TYPE SHALL BE PROVIDED FOR BUILDINGS UNDER CONSTRUCTION FOR THE TYPE OF HAZARDS PRESENT DURING CONSTRUCTION AS REQUIRED BY THE FIRE MARSHAL		ARCHIT AND INTE ENGINE MECHA
(100.) EXISTING DOOR NUMBER		S: MINIMUM OPEN YARD WIDTH = 38'-0" PER 506.1 & 5062 CBC P= 752' W = 38' Lu = (752/752 - 0.29) 38/30 Lu = .75 X 1.26 = .95			ENGINE PLUMB UCENSE
EQUIPMENT TYPE SECTION (BUILDING) SECTION IDENTIFICATION SHEET WHERE SECTION IS DRAWN		$\begin{array}{l} A_{\rm m} = (A_{\rm m} + (A_{\rm N} {\rm K_{\rm m}}) + (A_{\rm N} {\rm K_{\rm m}}) \\ A_{\rm m} = (3000 + (9000 {\rm K})5) + (9000 {\rm K})) \\ A_{\rm m} = 9000 + 8550 \\ A_{\rm m} = 17,350 \ {\rm SF} \\ 15,130 \ {\rm SF} < 17,550 \ {\rm SF}; \ {\rm THEREFORE} \ {\rm OK} \end{array}$	WHERE PLAN & DETAILS SHOW WOOD MEMBERS, CONTRACTOR MAY SUBSTITUTE LIGHT GAUGE METAL FRAMING OF THE SAME DEPTH. STUD GAUGE, LIMITING HEIGHTS AND SPANS ARE TO BE AS REQUIRED BY THE STUD		ENGINE ELECTI UCENSE
D3 D5 D5 DETAIL IDENTIFICATION SHEET WHERE DETAIL IS DRAWN INTERIOR ELEVATION		LABORATORY 2.045 /200 = 10 OFFICES 13.085/100 = 131 TOTAL OCCUPANTS: = 141	LIMITING HEIGHTS AND SPANS ARE TO BE AS REQUIRED BY THE STUD MANUFACTURER'S SPECIFICATIONS.		GOVER STANS AND CO 1010 10
4 4 4 4 4 4 4 4 5 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	PARKING REQUIREMENTS: PARKING PROVIDED:	TOTAL OCCUPANTS: = 141 15,130 SF/S00 SF/SPACE = 51 STANDARD 162			MODEST
20 SYNBOLS	16 PROJECT DATA		12 GENERAL NOTES	8 PROJECT SCOPE	4

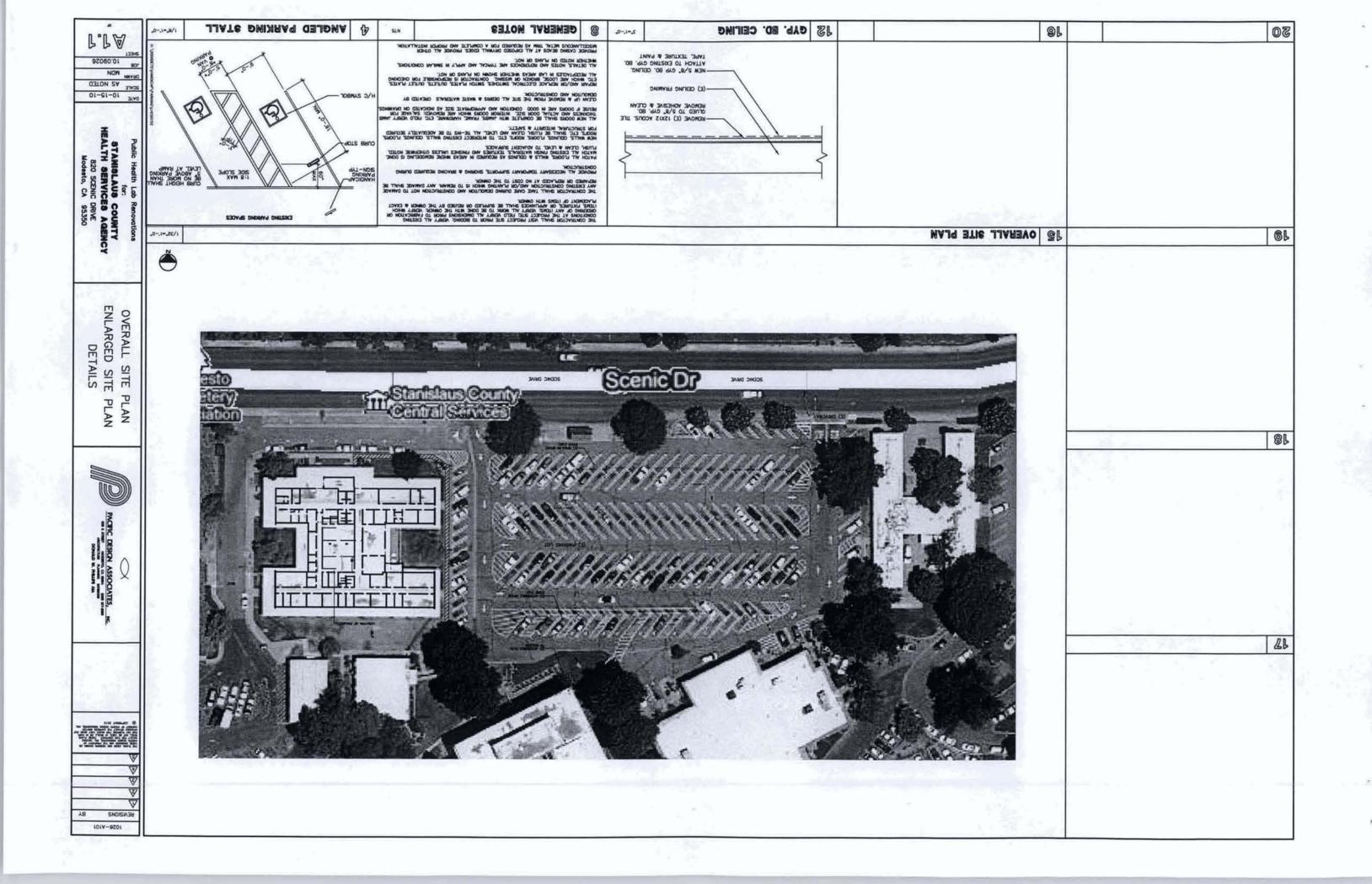
.

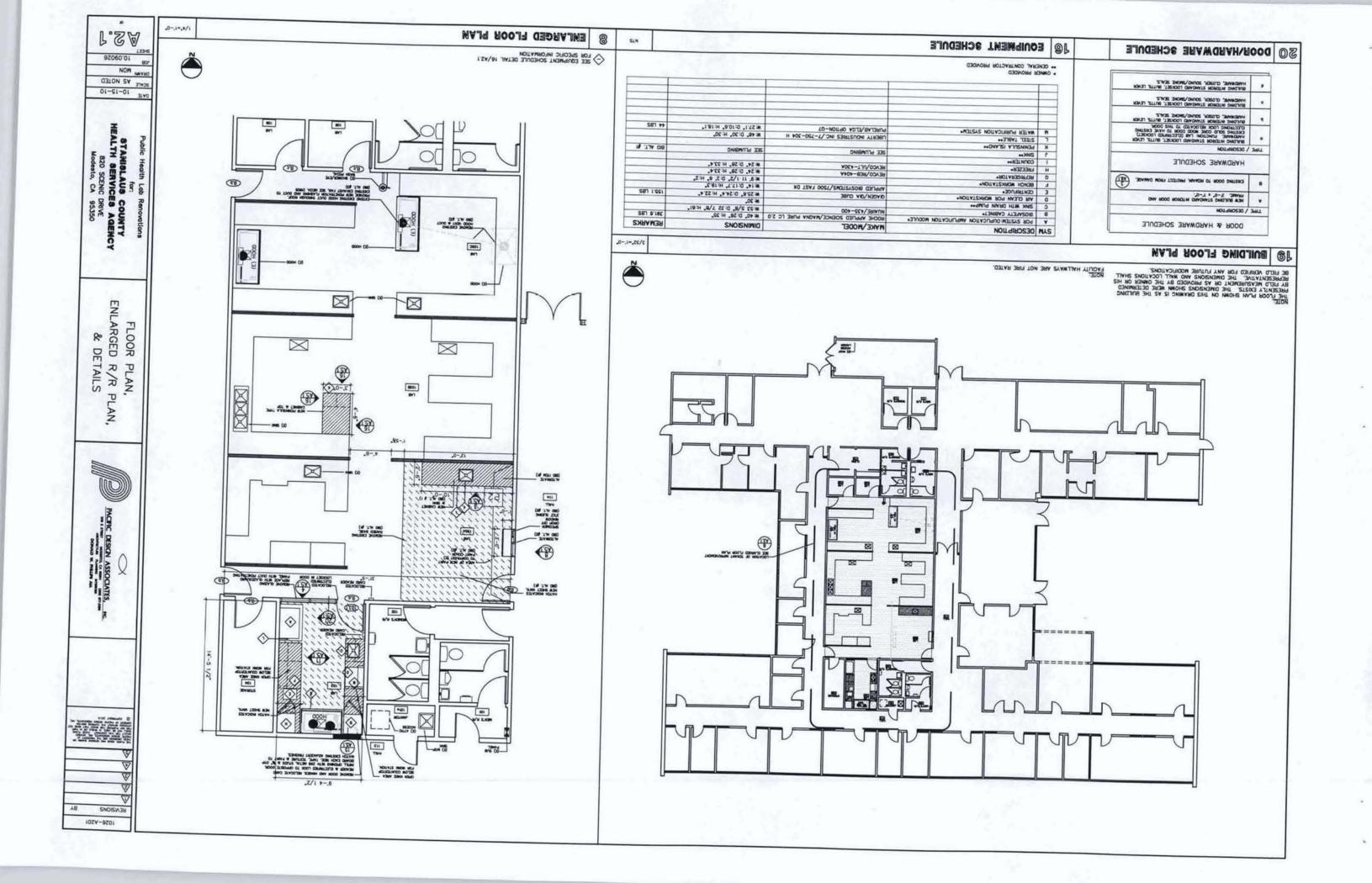
.

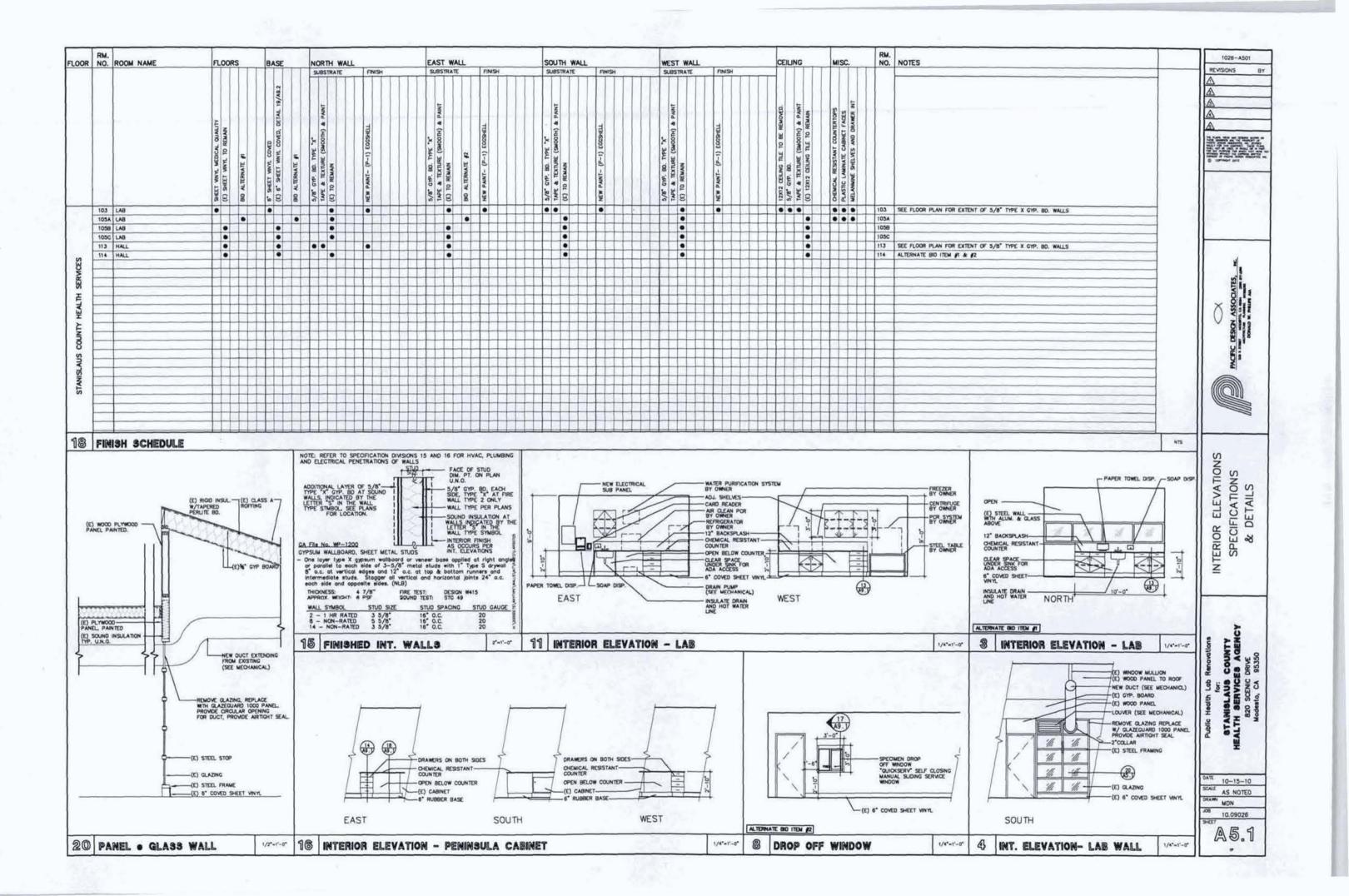
.

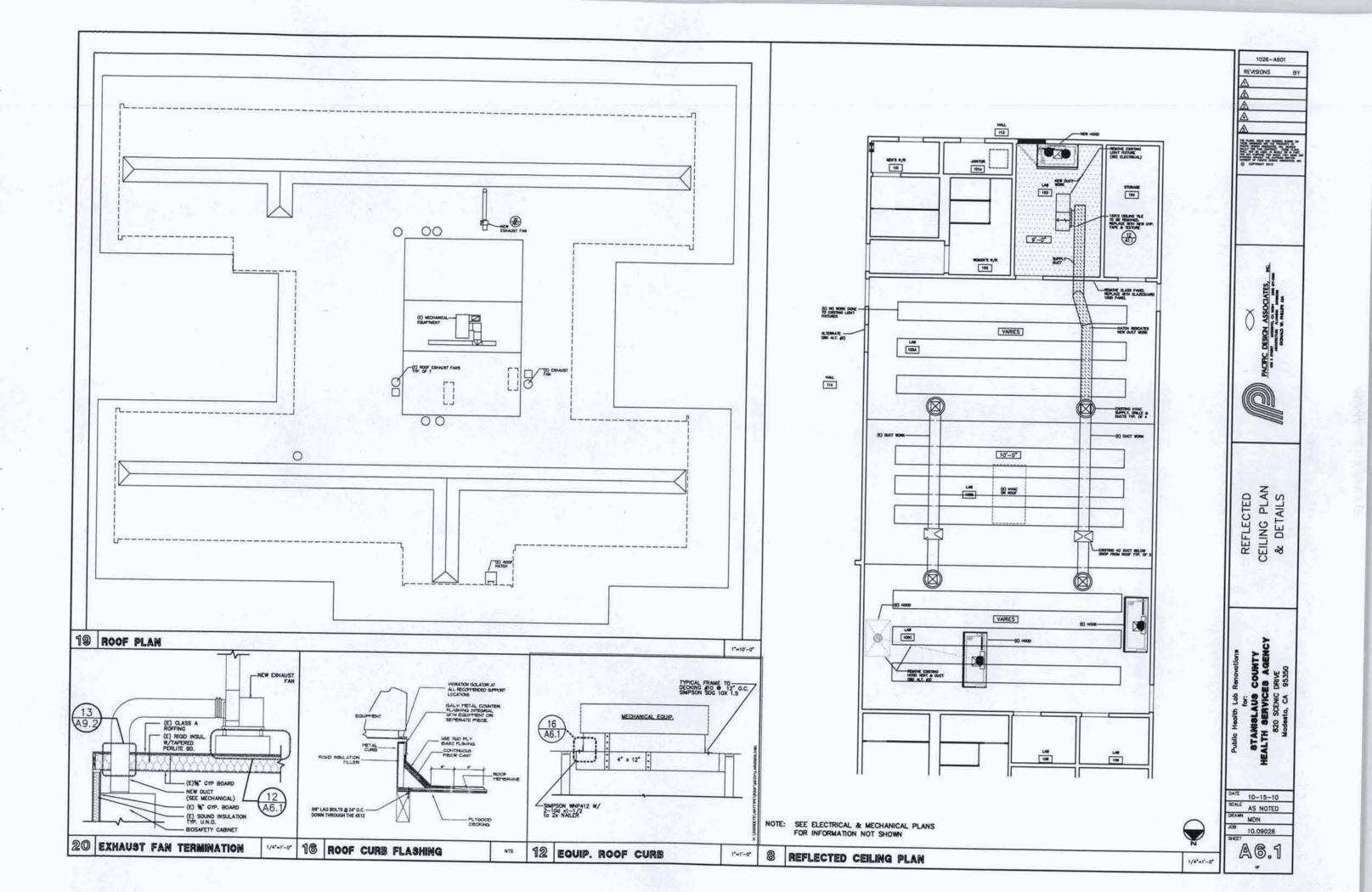
2

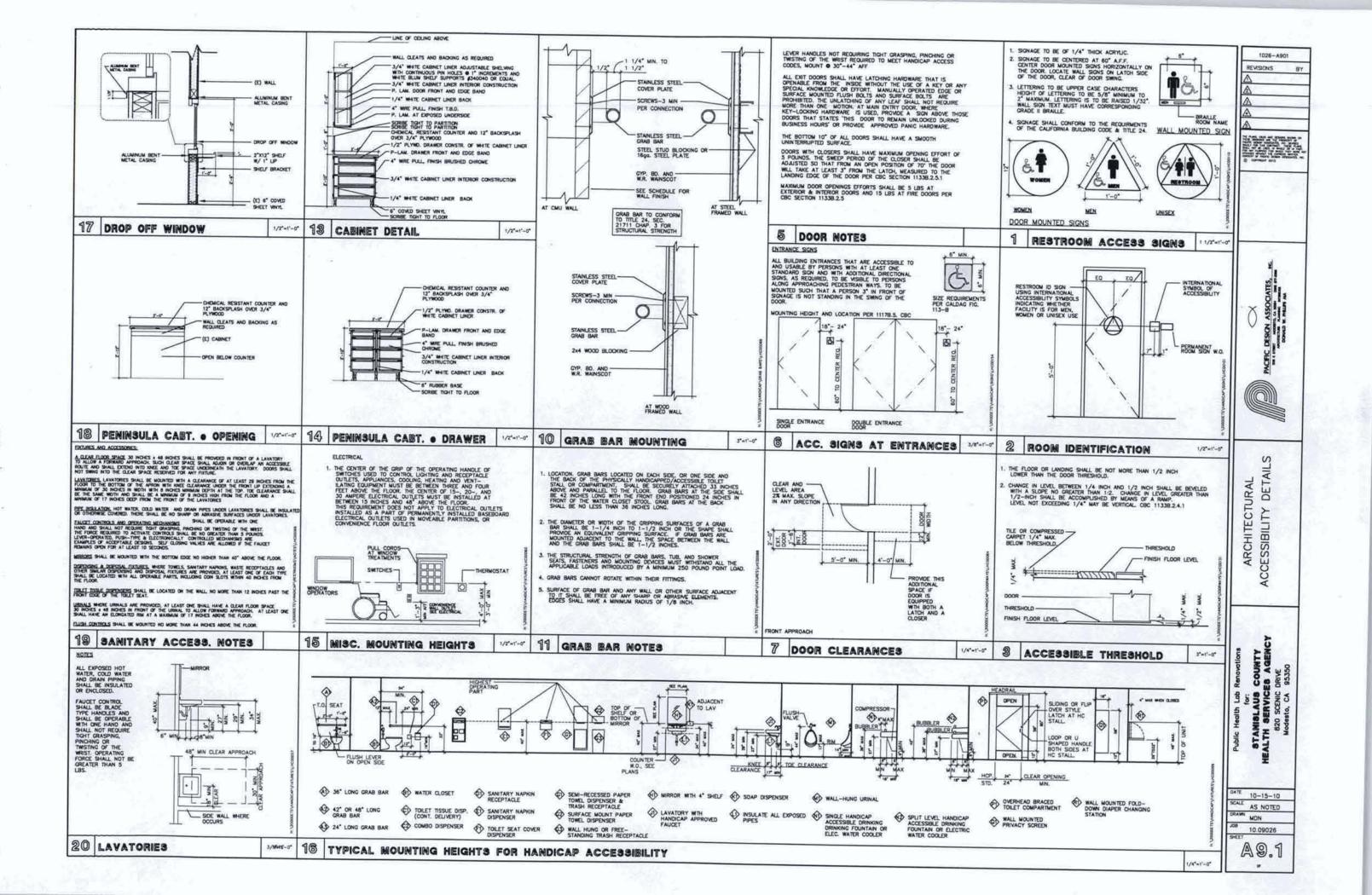


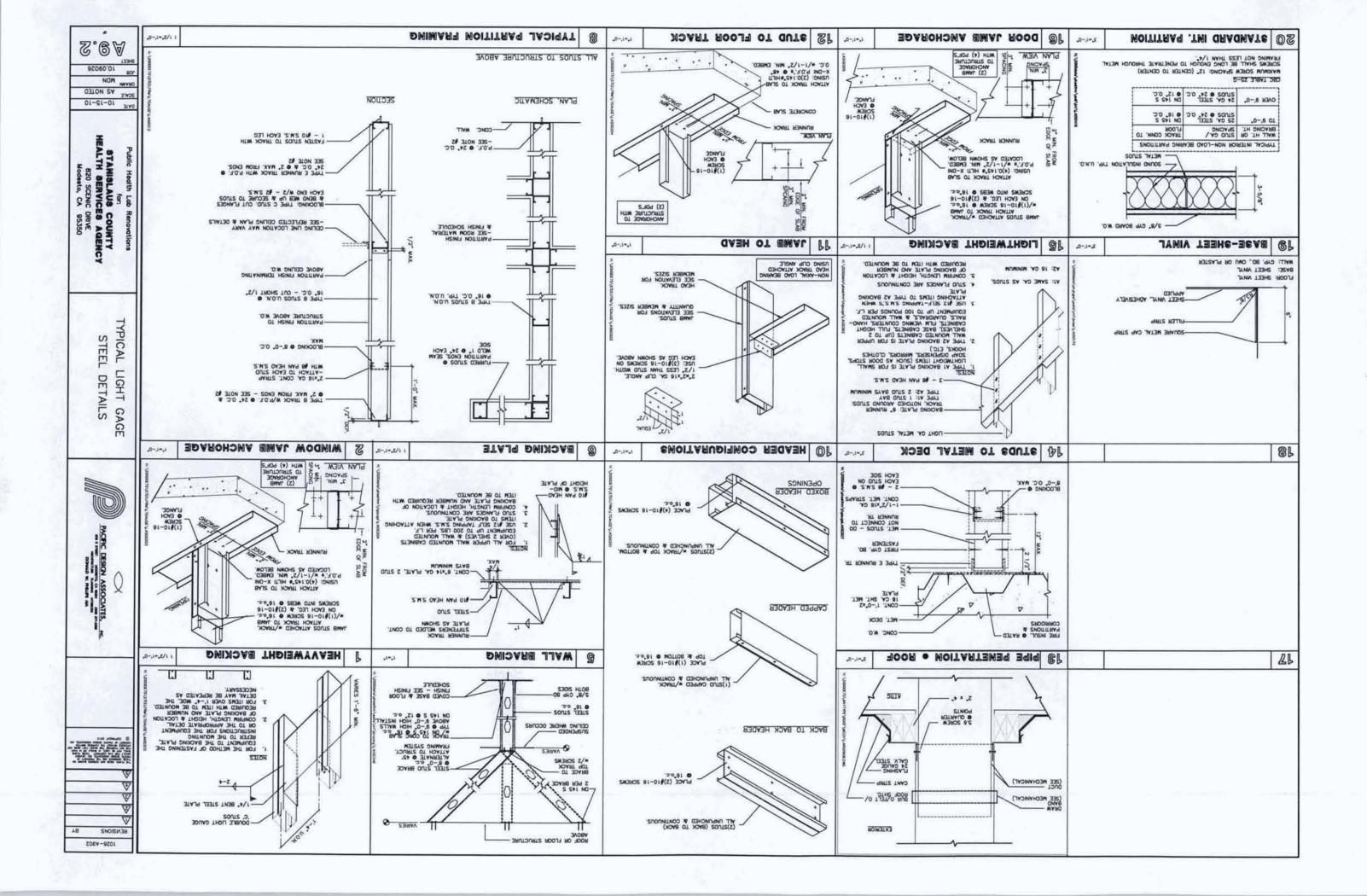


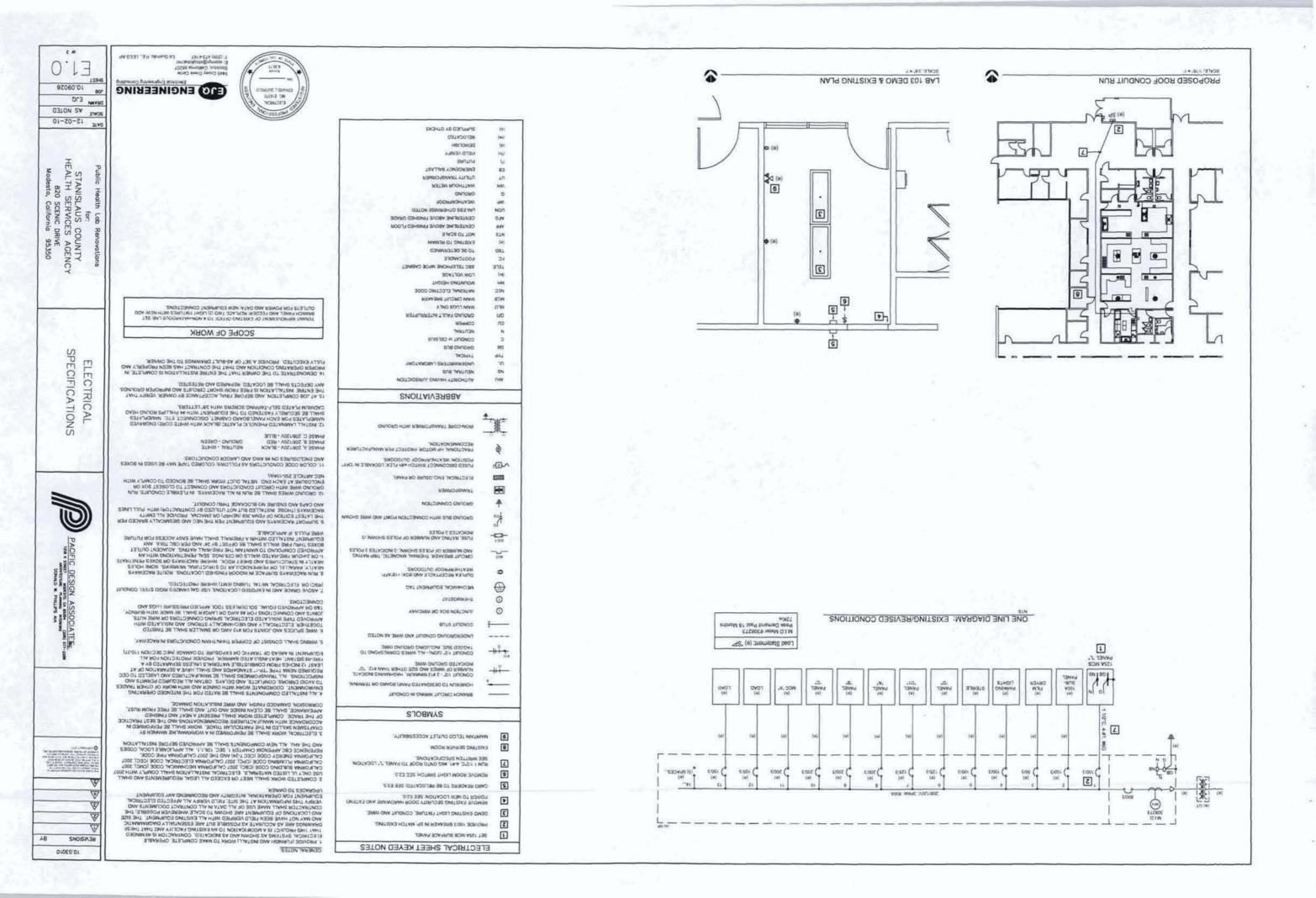


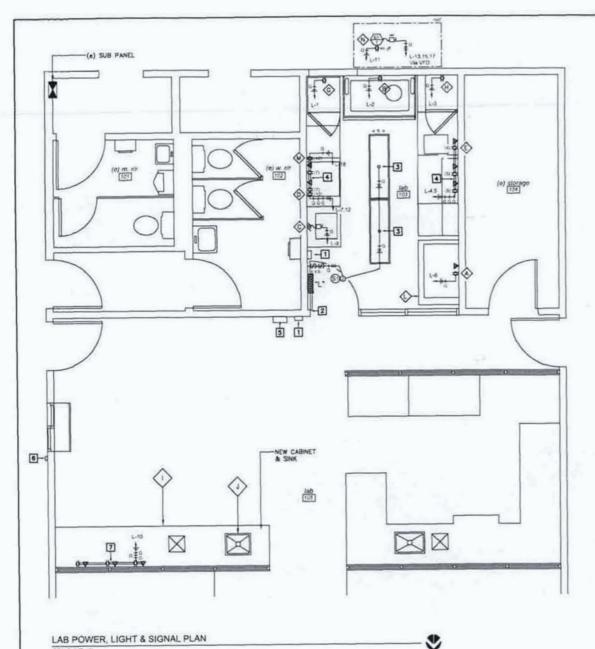












LAB POWER, LIGHT & SIGNAL PLAN SCALE: 38 + 1

EQUI	PMENT SCHEDULE			
SYM	DESCRIPTION	MAKE/MODEL	LOAD	REMARKS
A	PCR SYSTEM: DUPL AMP MODULE*	ROCHE APPLIED SCIENCE/MAGNA PURE LC 2.0	10A, 110VAC	NEMA 5-15, MH=45"; DATA
B	BIOSAFETY CABINET*	NUAIRE/435-400	BA, 110VAC	NEMA 5-15, MH=45"
C	SINK WITH DRAIN PUMP	STARITE DP2, 1/3HP, 110V	7A, 110VAC	1 HP DISCONNECT
D	AIR CLEAN PCR WORKSTATION.	QIAGEN/QIA CUBE	6A, 110VAC	NEMA 5-15, MH=45"
E	CENTRIFUGE*	APPLIED BIOSYSTEMS/7500 FAST DX	BA, 110VAC	NEMA 5-15, MH=45"; DATA
F	BENCH WORKSTATION*			
G	REFRIGERATOR.	REVCO/REB-404A	BA, 110VAC	NEMA 5-15, MH=45"; 15A CB
H	FREEZER*	REVCO/ULT-430A	8A, 110VAC	NEMA 5-15, MH=45"; 15A C8
1	COUNTER**			
J	SINK**			BID ALT. #1
K	PENNINSULA ISLAND**			
1	STEEL TABLE**	LIBERTY INDUSTRIES INC. /7-750-304 H		
M	WATER PURIFICATION SYSTEM*	PURELAB/ELGA OPTION-Q7	4.0A, 110VAC	NEMA 5-15, MH=45"
N	EF-1 (ROOF EXHAUST FAN)**	GREENECK 115 SWB; 2HP, 208V, 3PH	7.5A, 208VAC	3 HP DISCONNECT
_				

NOTES: 1. COORDINATE OUTLET MOUNTING LOCATIONS WITH EQUIPMENT INSTRUCTIONS AND FIELD CONDITIONS; GET LOCATION APPROVAL FROM ARCHITECT BEFORE ROUGH-IN. 2. EF-1 SHALL BE CONTROLLED BY VFD; SEE MECHANICAL DRAWINGS FOR INTER-CONNECTIONS. 3. SUPPLY GST-1 CIRCUIT; COORDINATE WITH MECHANICAL. 4. • - OWNER PROVIDED; •• - GENERAL CONTRACTOR PROVIDED.

COMMUNICATIONS NOTES:

1. DATA AND TELCO SHALL INCLUDE RAS AND RJ11 CONNECTIONS AND CATSE CABLES (CABLE S 0.275 INCHES IN DIAMETER). PROVIDE CONDUIT IN INACCESSIBLE SPACE AND HANGERS ABOVE CEILING IN ACCESSIBLE SPACE. PROPERLY SEAL ALL FIRE-WALL PENETRATIONS.

2. RUN DATA AND TELCO CABLES TO DATA/TELCO ROOM (SEE E1.0). LEAVE 20FT OF COILED CABLE ON FLOOR FOR IT PERSONNEL TO MAKE TERMINATIONS IN DATA/TELCO ROOM

1. IN LAB: PROVIDE CONDUIT. BOX. 110 TERMINATIONS AND COVER PLATE: LABEL BOTH ENDS OF CABLE 'DM' FOR DATA, 'TM' FOR TELCO. ALL CONDUIT RUNS IN LAB SHALL BE SURFACE MOUNTED, VERIFY EXACT OUTLET LOCATIONS WITH ARCHITECT BEFORE WORK BEGINS.

4. FOLLOW MANUFACTURER'S GUIDELINES DURING INSTALLATION OF CATSE SYSTEM. INCLUDING THE USE OF PROPER CONNECTORS AND FITTINGS. THE MAXIMUM LENGTH OF ANY CABLE RUN SHALL BE 300 FEET.

5. DO NOT EXCEED A PULLING TENSION OF 20% OF THE ULTIMATE BREAKING STRENGTH RATING OF CABLE

6. DO NOT BEND, INSTALL, OR RACK ANY CABLE IN AN ARC LESS THAN 12 TIMES (12X) THE CABLE DIAMETER. TERMINATE CABLES WITH APPROPRIATE CONNECTORS.

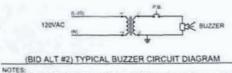
7. ALL INSTALLATION AND ROUTING SHALL CONFORM TO EIA/TIA 568. THE TWISTED PAIR WIRES SHALL BE TWISTED ALL THE WAY TO THE CONNECTORS TO HELP ELMINATE CROSSTALK BETWEEN LINES.

5. A CABLE TESTING DEVICE SHALL BE USED ON ALL CABLES TO CHECK FOR ANY DEFECTS IN CABLES OR INSTALLATION PROCEDURES. CABLE IMPEDANCE, OPENS, SHORTS, CROSSTALK AND NOISE INTERFERENCE SHALL BE INCLUDED IN THE TESTING PROCEDURES.

TERMINAL:

- ILUS DATA SINGLE-GANG WALL OUTLET. BOX AND FLUSH COVER PLATE: 110 STYLE V PUNCHDOWN TERMINAL: LABEL COVERPLATE AND CABLE (BOTH ENDS) WITH PORT #; MH#45'AFF.
- RJ11 TELCO SINGLE-GANG WALL OUTLET. BOX AND FLUSH COVER PLATE: 110 STYLE PUNCHDOWN TERMINAL: LABEL COVERPLATE AND CABLE (BOTH ENDS) WITH T# ∇ Minas AFF

4347	biscentos				RESERVED N	100
12	HIPTE MY ID		15	BO GARNET PM	(1)	4.7
1.1	PROTECT IN THE		in	CONTRACTO NO	103	87
11	WHEN D. D. T. FT. HM YO	1.54	22	ACR STOTAN MA	erg.	160
4.2	20060401.0 0urbants Rev 102		in	S'ANE		-
14	18.2	154	n	WHENCES OUTS		42
	HOOP OF IDUITAT	- 5-4	-ne	MR CULAN FOR IS	CREETATION PM 109	8.0
-		-7-1	100	3852		
	10.4	-A	4	prace.		
		A"	-sh	PL0407		42
-	MACE.	-15	100	CARD PERCHA	internet set	
-	9%0		24	SPACE.		-
-	SPACE	-	111	1743		
-	UNI .		4	june25		
-	174CD		10.	SHACE		
-	Prince .	18	-	STATE		1
stria	ni anar and - patronya solewita netwetta ta tanya eta ene tanetti inita tu n tan catu tanta nuka tu netwetti	Circuit Works				
-	· PWILOUPE BURNA'S HELWESS	CHOIR MIRE	CAL	CULATIC	NS	-
stria	 FORCUSE (2004) AND AND AND ADDRESS FORCUSE (2004) AND AND ADDRESS ADDR EXEMPLIANCE ADDRESS ADDRE EXEMPLICANCE ADDRESS ADDRES	CHOIR MIRE	CAL		NS	
100	 FORCUSE (2016) FORCE FOR A CONTRACT STATE FORCUSE (2016) FORCE FORCE	CHOIR MIRE		The second part of the second		•
1000 M	PANEL "I	CHOIR MIRE	()44 ()	The second part of the second		
11日 日本 11日 11日	PANEL "I	CHOIR MIRE	jh4	28		
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PROJECTIVE REPORT HAVE AND	CHOIR MIRE	()44 ()	- 28		
22 B B B B B B B B B B B B B B B B B B	PANEL "	CHOIR MIRE	294 4 3	28 1	96 	
	PALODER EXPERIENCE INTERNET PALODER EXPERIENCE INTERNET PALODER EXPERIENCE INTERNET PALODER EXPERIENCE PALODER PA	CHOIR MIRE	4	28 8 8 1 7	# + 	1
	Inscience comments in the second seco	CHOIR MIRE	294 4 3	28 1 1	96 	1
	Inscience comments in the second seco	CHOIR MIRE	4	28 8 8 1 7	85 4 43 8 73	1
	Inscience comments in the second seco	L* LOAD	4	28 8 8 1 7	85 4 43 8 73	1
	Inscience comments in the second seco	CHOIR MIRE	4 1 1 1 1	28 4 4 7 82	4 4 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14	1



1. LOCATE PUSHBUTTON (P.S.) AND BUZZER PER ARCHITECTS INSTRUCTIONS.

LIGHTING NOTES:

1. PROVIDE LIGHT FIXTURES WIRED AS SHOWN AND PER RESPECTIVE SHEET KEYED NOTES WITH ARCHITECTS APPROVAL, COMPLETE WITH ALL REQUIRED DAMPS AND ACCESSORIES. INSTALL FXTURES IN LOCATIONS PER ARCHITECTURAL DRAWING LOCATIONS AND PER ARCHITECTURAL DETAILS, IF REQUIRED. LOAD TEST ALL LIGHTS TO ASSURE CONFORMANCE TO ITS CIRCUIT RATING. UTLIZE 3-6 SWITCHING PATTERN AS SHOWN AND CONTROLS PER CA TITLE-34 REQUIREMENTS.

2. FLUORESCENT BALLASTS SHALL BE PARALLEL INSTANT START ELECTRONIC TYPE UNLESS. 2. FLUORESCENT BALLASTS SHALL BE PARALLEL INSTANT START ELECTRONIC TYPE UNLESS OTHERWISS NOTED, CLASS-P THERMALLY PROTECTED, SHALL HAVE CLASS A SOUND RATING, AND SHALL COMPLY WITH 1992 FEDERAL ENERGY POLICY ACT, FLUORESCENT BALLASTS SHALL BE HIGH-FREQUENCY ELECTRONIC, MINIMUM 90% BALLAST FACTOR, MAXIMUM 20% TOTAL HARMONIC DISTORTION (THO). INSTRUCT OWNER ON CLEANING OF LIGHT LENSES AND REFLECTORS ON REGULAR SCHEDULE TO MAINTAIN LIGHT QUALITY OUTPUT.

3. CEILING OR WALL SUSPENDED FIXTURES OR LIGHTING SYSTEMS SHALL BE INSTALLED BY CONTRACTOR ACCORDING TO WRITTEN MANUFACTURER'S INSTRUCTIONS AND BY FOLLOWING THE NEC CODE.

4. PLACE CEILING OCCUPANCY SENSOR FOR BEST PERFORMANCE. PROGRAM OCCUPANCY SENSORS TO BEST SUIT THE ROOM APPLICATION AND OCCUPANTS NEEDS.

POWER NOTES: 1. EQUIP AND WIRE PANELS AS SHOWN, EXCEPT FOR UNAVOIDABLE CHANGES. PROVIDE PANEL WITH TYPED DIRECTORY PER PAREL DIAGRAMS. INSIDE PARELS, BUNDLE WIRES NEATLY. FIELD VERIFY ALL PAREL SCHEDULE LOAD VALUES. PROPERLY SEAL ALL FIRE-WALL PENETRATIONS.

2. WHEN FIELD VERIFYING EQUIPMENT, CHECK EQUIPMENT RATING, EQUIPMENT INTEGRITY AND FUNCTIONALITY, INCLUDING ASSOCIATED HARDWARE AND WIRE, CIRCUIT LOAD, AND RECOMMEND TO THE OWNER ANY NECESSARY EQUIPMENT UPGRADES.

CONDUCTORS.

5. LABEL EACH BOX COVER PLATE WITH CIRCUIT NUMBER: POWER, LIGHTING AND COMMUNICATIONS WIRING AND/OR CONDUIT RUNS SHALL MAINTAIN A 1FT MINIMUM SEPARATION.

6. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL, MECHANICAL, PLUMBING AND GENERAL CONTRACTOR TO EXAMINE THESE DRAWINGS AND CORRESPONDING SPECIFICATIONS SECTIONS FOR WORK TO BE PERFORMED BY OTHER TRADES SHOWN ON THESE DRAWINGS.

ELECTRICAL SHEET KEYED NOTES:

RELOCATED CARD READER: SECURITY COMPANY TO MOVE READER. COORDINATE RELOCATION OF POWER WITH SECURITY COMPANY.

LIGHTING CONTROLS:

- \$

- SURFACE CONDUIT 23100FO

NOTES: INSTRUCTIONS. 2. SUPPLY WIRE AND COVER CLIPS AS NEEDED.

5. DEMONSTRATE PROPER INTERIOR NIGHT-TIME BACK-UP SHUT-OFF, EMERGENCY LIGHT TEST. AND ANY FIRE ALARM EXIT LIGHT STRATEGY TO OWNER AND AHJ. INSTRUCT OWNERS DESIGNATED REPRESENTATIVE REGARDING SYSTEM TESTING AND OPERATION.

3. ALL NEW WIRING SHALL BE SURFACE MOUNTED; RUN ISOLATED GROUNDS TO EACH OUTLET.

4. VERIFY J-BOX LOCATIONS SHOWN ON DRAWINGS WITH EQUIPMENT INSTRUCTIONS JUST PRIOR TO ROUGHIN. BOND EACH BOX TO GROUND USING A GROUND WIRE RUN WITH CIRCUIT

ELECTRIC SECURITY DOOR HARDWARE; COORDINATE INSTALLATION OF POWER WITH SECURITY COMPANY.

REPLACE EXISTING FIXTURE WITH NEW SURFACE MODULAR COMMERCIALS: 2%4; (3) 32W 18: 125" ACRYLIC DIFFUSER: FLUSH STEEL GASKETED DOOR: (2) 120-277V PARALLEL INSTANT START BALLAST-UL: MH=9: EQUAL TO LITHONIA 2M332A12125MVOLTGEB10IS.

WIREMOLD 2300BACD, 20A GFI DUPLEX AND RJ45 DATA OUTLETS RUN TO SERVER ROOM: +45° AFF; VERIFY EXACT LOCATION WITH ARCHITECT.

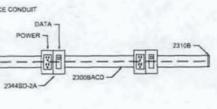
5 VFD LOCATION: SEE MECHANICALS FOR SPECIFICATIONS AND INTERCONNECT.

BID ALT #2 DROP-OFF WINDOW: PROVIDE BUZZER CIRCUIT WITH PUSHBUTTON AS DIRECTED BY ARCHITECT.

BID ALT #1 COUNTER: WIREMOLD 2300BACD, 204 GFI DUPLEX AND R345 DATA OUTLETS RUN TO SERVER ROOM: 445* AFF: VERIFY EXACT LOCATION WITH ARCHITECT.

SENTRY TOGGLE WALL SWITCH, 0.5 AMP TO 5 AMP LOAD, MECHANICAL RESET TO OFF AUTOMATICALLY WHEN INPUT POWER IS INTERRUPTED FOR 5 SECONDS, MINI NEON LIGHT LOCATOR, SINGLE GANGE, WALL PLATE NOT INCLUDED: 1202777 RATED, CALIFORNIA TITLE 24 COMPLIANT, UL: MH445" AFF, (SENTRY LLC - SS05277)

OUAL TECHNOLOGY LINE VOLTAGE CEILING OCCUPANCY SENSOR: 120277V: WHITE: 5 YEAR WARRANTY, CA TITLE 24 COMPLIANT, UL. (EQUAL TO WATTSTOPPER #DT-355)



TYPICAL WIREMOLD 2300BACD SYSTEM DIAGRAM

I. WIREMOLD SHALL BE SCREWED TO WALL ACCORDING TO MANUFACTURERS



EJQ ENGINEERING
Electrical Engineering Consulting
S445 Covey Creek Citile Stockton, California (5207 E: elamopr@sbookbal.net T: (209) 873-4137 Ed Oueinske, P.E. LEED AP

10.03010	
REVISIONS BY	1
<u>A</u>	
A	
A	
1327532522 0121227-	
O thread a second second second	
	100
	68.2.2
	1.0
	1. 1. 1. 1.
H	
CIA	
OSS OSS	200
A	10 C 10
B	10 March 10
DES	
PACIFIC DESIGN ASSOCIATES TRA REPORT AND ASSOCIATES TRA REPORT AND A TRANSPORT	
CF	040
PA	
((Q))	200
-	1000
	1.1
	1 m 1
GHT, POWER SIGNAL PLAN	
AN	
PL	
2	
· · Z	1
E D	
s L	0.000
	1
NC	1000
NT NT GET	
OUI OUI	
Public Health Lab Renovations for: STANISLAUS COUNTY HEALTH SERVICES AGENCY 820 SCENIC DRIVE Modesto, California 95350	
Lor for: UUS CVIC ENIC	
SELA	
He He B20	
STA	
HE P	
-	
DATE	
12-02-10 SCALE AS NOTED	
DRAWN FUD	
308 10.09026	
DATE 12-02-10 SCALE AS NOTED DRAWN EJQ 308 10.09026 SHEF E 2.0	
E2.0	
a.1	

CERTIFICATE OF COMPLIANCE	E (Page 1 of 4)	LTG-1C	CER	TIPICATE OF COMPLIANCE (Page	R of	•)				1.1	TG-IC	CERTIFICATE OF COMPLIANC	E Orage of		0	LTG-IC
TANKELALS COUNTY HEA	THE REPORT OF TH	** tzdzne	1.000	TANKALS COUNTY HEALTH SERVICE	IS AGO	icr.					All the second	THE WAR STANDLAUG COUNTY HEAL	-	5 4/5/2	NCY 1"	12152115
N27 SCENIC DRVE		12		HOLDOR LIGHTING BOHEOLLE AND F	10.00	isee:	TION RN	ROY D	使CKU	57					WATE Concernities Constance	
MODERTO CA RESSE		14 Distance	1.0	Industri Detthain 110-14987 men cost of et		-	in Aren			10	-	From Upting Press for Cristinees S			mur Lipping Power for Uncomplex	red femilier
	D-manner	0		Barld Atustana 170-24 measure		-	-	_				headiliana	100	-	topics	
0	O	Direction lines	+	and party limited and to that he for discuss and the	-			_	-	-	-	incent (real)	-	_	Salarda and the second	
mailinate Testima	0	0			-			0-	-	-	_	the Marcel Hallow	-	_	Contraction of the	
Part diagher Grantham	Otra longer	() ++-	101 -	بالتاها وحاصف فججر ولادا وما	14416	-		-				These states and the	29 . 148 C		Annual rates dates for	-
The same and the second s	and the second s		0		1.4.1	-	0114				aine .	dem la de la fear	215	-	·	
	All the second s		-	Lardiaba Roberta (Tara Larga Rabit)		1			the state	_		Resurve Assertance Teals		-	14	1
Servers.		lan.	4		10	0	-	6	11	1.1		Terres on the large set detection and	-		CONTRACTOR NO.	and the second
April 1		11.4.00			-	-	1000	100	-	-	1.200	The first program in the second statement of the second se	AT THE DESIGNATION	the second	spring to making it is in the literation of the	Contraction of the local distance of the loc
		103.4			1.	1	-	1	1		T	Turber to Tay parts of site ball used, further as an annual				we do style
A SHALE		He	1.0	International Contract	1.1	10	100	-	1.1	-3		And the second s		mer		******
Disarrenaan Artist's Dealershie Stationer	and the second	A CONTRACTOR OF	41	Parters Responsions	11	18	12	12	IH	15	11,	when a strange and speed a place of the second place many in the collection of the second strange of the second strange entropy with applied for the first first on data. Second strange	and a second		A CORE & DOMESTIC A CONTRACT OF COMPANY	
 For Apply (1996) (See) Pro (2019) Index and The contrast Provide Academic Section 1999) (Section 2019) 		and the second	Ð	Date & Larie, Drive & Burlace the 205	0	1.14		0	1	194	00	A Second and a second s				order (Malding
Selection Property		CELLER CALLER AND			0			D			00		- states	•		. Max
 The map fairing spinor that are particular to the and an end of the second secon	Appendiate of the section of	and to appear of the other confidence.	++		0			0	-	-	00					Same -
EDINARD & GUERRER G	tantan .		+					0	-	-		dimension (14)		343	Castre	Support Law
LINE ELSENSMERINE		17mm 238-475-4187	H		Hä			1 d	+-	-	불불	DOC 5848545 CBURCHOUT	196	1	RUBLING INTERIOR	0
MAR COVER CHEEK CRICLE STOCK CA HELL		8.4025	H		8		0	8			88			-		0
A. ALLEY & TOCISIA, CA.1627		200 1202.12	H		- 8			H	+		불불		-	_		0
Literary Humanus Planana		1		2.2	10		0	D	-		00					8
	748.8900				1 C			0			00					0
Agining Compliants Forms & Bucksheets procise	in Ferrietaria in incident		-					0	-		00					0
The second lists of the second strain and a lists of the second strain and the second st	the state is the second state of the second st	ting pand where the termine the being	H		0				-		00		_	-		0
and the second se	the difference in the local diversion of										00		1000			0
chief with some								0			00					a
Contraction of the second					0	1		0			00			-		0
the second	4 140 H 1 H 1 H 1 H 1 H 1 H 1 H 1 H 1 H 1 H		1			-			#179%,	-346.1	1 1		-			0
			1	Add a TTR remoti State 1	1.00	-	aring 1.	N. 2011	al (signi)	144			-		1	0
			-		1.1.1		_		2.004	willing.	Tage+(H)			_		0
				and in contrast of a first of a torin. A start of the second start					-				100	1		0
				and the second second second					-	-	_					D
			-	and the second s	-			-	_	-	-	And the second second second				1.1.1
and summaring a single state of any		Rapellon	-	participation of the							ALLEN	("Tenengel million			1	Sec.21
CERTIFICATE OF COMPLIANC	E (Pran 8 of 4)	LTG-1C	IND	OOR LIGHTING POWER ALLOWAN	CE					L	TG-3C	MANDATORY MEASURES (IND				
STANES ALS DOUNTY HEAD	TH HERIVECER AGENOR	Aprilants'	(inter-	ETAMBLACE COUNTY HEALTH REPUBLIC	LACEN	24	-	-			20243	1. BUILDING LIGHTING SHUT-OF THE BUILDING LIGHTING SHUT-		PH P	ONSISTS OF OCCUPAN	14
INCOME STORY NO INCHED	LE AND FIELD INSPECTV	W ENERGY DISCHER!	-	ACLETYNEED, CIGHIFYNG P	_	_	a That bid	diam'	-	-		SENSORS OR TIME CLOCK PER				

Image: Market Billing 1	Bendeling Control - Failt Inspects	o tryngs Dwiniai			1.4	-
	- La Janetar	12	inder and	3	1	,
which the provide the sector with the ball of the ball of the sector of	SOCURANCE MEMORY		REION TUT			
which the provide the sector with the ball of the ball of the sector of				0		
which the provide the sector with the ball of the ball of the sector of				0		
which the provide the sector with the ball of the ball of the sector of						
which the provide the sector with the ball of the ball of the sector of				0		
which the provide the sector with the ball of the ball of the sector of		100				
which the provide the sector with the ball of the ball of the sector of				0	0	
which the provide the sector with the ball of the ball of the sector of				0		a
which the provide the sector with the ball of the ball of the sector of				0		
which the provide the sector with the ball of the ball of the sector of				0		0
which the provide the sector with the ball of the ball of the sector of				0		
which the provide the sector with the ball of the ball of the sector of				0		
which the provide the sector with the ball of the ball of the sector of				0		
which the provide the sector with the ball of the ball of the sector of				0		
which the provide the sector with the ball of the ball of the sector of						0
which the provide the sector with the ball of the ball of the sector of				C		
which the provide the sector with the ball of the ball of the sector of						
which the provide the sector with the ball of the ball of the sector of				0	0	0
which the provide the sector with the ball of the ball of the sector of				0	0	0
	and a lot of the second s	a ball Lorenza in line of	The sead fly		100	1000
				-	-	-
	Contraction of the second s					
	Wheelin New Yorkspectra					_
di Inguniti Manin Demandre				_	_	_
di Inquisi Vitari in Secreption						

.

141

14

14.1

.

BEANTINE COUNTY HEALTH BOY RELEAD ALTERNO COUNTRY FRANT HEALTH BOY RELEAD ALTERNO COUNTRY FRANT HEALTH ALTERNATION ALTERNO COUNTRY FRANT HEALTH ALTERNATION FRANT ALTERNO COUNTRY FRANT HEALTH ALTERNATION FRANT HEALTH ALTERNATION FRANT HEALTH ALTERNATION FRANT HEALTH ALTERNATION FRANT HEALTH ALTERNATION FRANT HEALTH ALTERNO COUNTRY FRANT HEALTH ALTERNATION FRANT HEALTH ALTERNATION FRANT HEALTH ALTERNATION FRANT HEALTH ALTERNATION FRANT HEALTH ALTERNATION FRANT HEALTH ALTERNATION F	CH (Chicks	e Dra Matrial Anno Jama	0	120210
r saosti - To JC nove far se o Tenten rav November 20 juli - November and Station (Station Compare Building Station A		***:124		
Instantical labor. And share an inter of the claim and its Complete Building Station A	0-	-		ri Farati
A	-			
Call Contra Provent And			6.1	0
		37	BOT2+N	-
	-	1.91.0	_	-
Kee Calego's Method - Purt A			0.00	-
A.:			C	0
and man (-	Analyten State	H
LARGEATORY		1.4	145	203
	-		_	1
		-	-	-
	-			
				-
	-			
	-	-	-	_
	-	-		-
			VALUER.	
		(Pak)	548	368
Inter Category Method - Part II	-			
+ + ÷ = =	L			6
			386	-
				-
	100	-	tellere line.	Ŧ
An and a second se				
ful of Nerval	-			_
ang bart. Na tan 1998, ang Ang ang tan 18 mg tang ang ang ang ang ang ang ang ang ang				

NON-RESIDENTIAL COMPLIANCE MANUAL

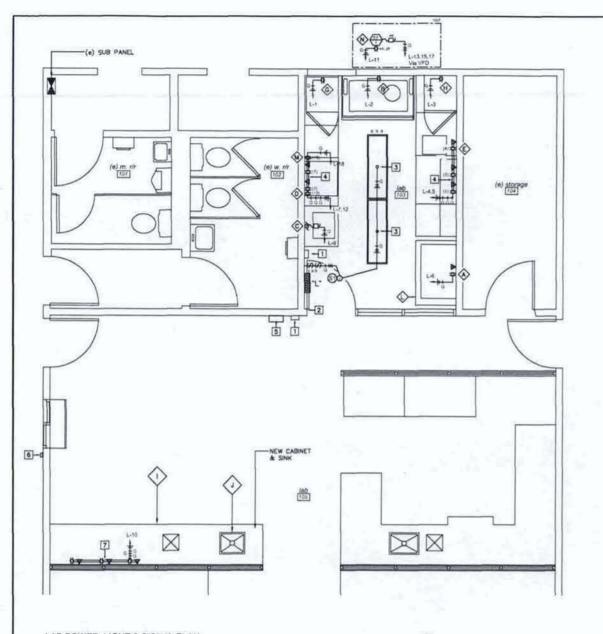
2. OVERRIDE FOR BUILDING LIGHTING SHUT-OFF: IF TIME CLOCK IS USED. THE AUTOMATIC BUILDING SHUT-OFF SYSTEM IS PROVIDED WITH A MANLAN ACCESSIBLE OVERRIDE SWITCH IN SIGHT OF THE LIGHTS. THE AREA OF OVERRIDE IS NOT TO EXCEED \$,000 SQFT OR 20,000 SQFT FOR MALL, AUDITORIUM, RETAIL SPACE, INDUSTRIAL SPACE, CONVENTION CENTER OF ARENA. LIGHTING EQUIPMENT DEVICES CERTIFIED: ALL DEVICES USED SHALL BE CERTIFIED AND COMPLY WITH SECTIONS 111 & 119 OF THE 2009 NON-RESIDENTIAL COMPLIANCE MANUAL: ALL ALTERNATE EQUIPMENT SHALL BE CERTIFIED AND INSTALLED AS DIRECTED BY THE MANUFACTURER.

4. INDIVIDUAL ROOMAREA CONTROLS: EACH ROOM AND AREA IN THIS BUILDING IS EQUIPPED WITH A SEPERATE SWITCH OR OCCUPANCY SENSOR DEVICE FOR EACH AREA WITH FLOOR TO-CER ING WALLS.

5. UNIFORM REDUCTION FOR INDIVIDUAL RODAIS: ALL ROOMS AND AREAS GREATER THAN 100 SQUARE FEET AND MORE THAN 0.8 WATTS PIR SQUARE FOOT OF LIGHTING LOAD SHALL BE CONTROLLED WITH MULTIL-EVEL SWITCHING FOR UNFORM REDUCTION OF URGHTNIG WITHIN THE ROOM ALSO IF A SINGLE LUMINARE HAS MORE THAN TWO LAMPS.

B. DAYLIT AREA CONTROL:
 B. DAYLIT AREA CONTROL
 B. DAYLIT AREA CONTROL
 B. DAYLIGHTS, THAT ARE GREATER, THAN 250 SQUARE FEET AND CONTAIN
 MINDOWS AND BRYLIGHTS, THAT ALLOW FOR THE EFFECTIVE USE OF
 DAYLIGHT IN THE AREA SHALL HAVE SIX OF THE LIGHTING POWER IN EACH
 DAYLIGHTS. THAT ALLOW FOR THE EFFECTIVE USE OF
 DAYLIGHT IN THE AREA SHALL HAVE SIX OF THE LIGHTING POWER IN EACH
 DAYLIGHTS.
 DAYLIGHTS, THAT ALLOW FOR THE EFFECTIVE USE OF
 DAYLIGHT IN THE AREA SHALL HAVE SIX OF THE LIGHTING POWER IN EACH
 DAYLIGHTS.
 DAYLIGHTS, THAT AREA CONTROL FOR THE EFFECTIVE USE
 OF DAYLIGHT THROUGHOUT CANNOT BE ACCOMPLIANCE DECLAISE THE
 WINDOWS ARE CONTINUOUSLY, SHADED BY A BUILDING ON THE ADJACENT LOT.
 DIAGRAM OF SHADING DIFFERENT TIMES OF YEAR IS INCLUDED ON
 PLANS, IF APPLICABLE

	10.03010 REVISIONS BY
	PACIFIC DESIGN ASSOCIATES
	CA TITLE-24 ELECTRICAL APPLICATIONS
	Public Health Lob Renovations for: STANSLAUS COUNTY HEALTH SERVICES AGENCY 820 SCENIC DRIVE Modesto, California 95350
ADLO ADLO	0ate 12-02-10 Scale as noted Draws e.jo Job 10.09026 Sheet E 3.0 y 3



LAB POWER, LIGHT & SIGNAL PLAN SCALE 38" + F

EQUIPMENT SCHEDULE SYM DESCRIPTION MAKE/MODEL LOAD REMARKS A PCR SYSTEM: DUPL AMP MODULE* ROCHE APPLIED SCIENCE/MAGNA PURE LC 2.0 10A, 110VAC NEMA 5-15, MH=45"; DATA B BIOSAFETY CABINET NUAIRE/435-400 8A. 110VAC NEMA 5-15 MH=45" C SINK WITH DRAIN PUMP** STARITE DP2, 1/3HP, 110V 7A, 110VAC 1 HP DISCONNECT D AIR CLEAN PCR WORKSTATION* QIAGEN/QIA CUBE 6A. 110VAC NEMA 5-15, MH=45" E CENTRIFUGE* APPLIED BIOSYSTEMS/7500 FAST DX 8A. 110VAC NEMA 5-15, MH=45": DATA F BENCH WORKSTATION G REFRIGERATOR* REVCO/REB-404A BA, 110VAC NEMA 5-15, MH=45"; 15A CB REVCO/ULT-430A 8A, 110VAC NEMA 5-15, MH=45": 15A CB H FREEZER* I COUNTER** J SINK** BID ALT. #1 K PENNINSULA ISLAND** LIBERTY INDUSTRIES INC./7-750-304 H 1 STEEL TABLE** M WATER PURIFICATION SYSTEM* PURELAB/ELGA OPTION-Q7 4.0A, 110VAC NEMA 5-15, MH=45" N EF-1 (ROOF EXHAUST FAN)** GREENECK 115 SWB; 2HP, 208V, 3PH 7.5A, 208VAC 3 HP DISCONNECT

NOTES:

NOIES: 1. COORDINATE OUTLET MOUNTING LOCATIONS WITH EQUIPMENT INSTRUCTIONS AND FIELD CONDITIONS; GET LOCATION APPROVAL FROM ARCHITECT BEFORE ROUGH-IN, 2. EF-1 SHALL BE CONTROLLED BY VFD; SEE MECHANICAL DRAWINGS FOR INTER-CONNECTIONS. 3. SUPPLY GST-1 CIRCUIT; COORDINATE WITH MECHANICAL. 4. * - OWNER PROVIDED; ** - GENERAL CONTRACTOR PROVIDED.

COMMUNICATIONS NOTES:

1. DATA AND TELCO SHALL INCLUDE RJ45 AND RJ11 CONNECTIONS AND CATSE CABLES (CABLE 15.0.275 INCHES IN DIAMETER), PROVIDE CONDUIT IN INACCESSIBLE SPACE AND HANGERS ABOVE CEILING IN ACCESSIBLE SPACE, PROPERLY SEAL ALL FIRE-WALL PENETRATIONS.

2. RUN DATA AND TELCO CARLES TO DATA/TELCO ROOM (SEE E1.0). LEAVE 20ET OF COLED CABLE ON FLOOR FOR IT PERSONNEL TO MAKE TERMINATIONS IN DATA/TELCO ROOM.

3. IN LAB: PROVIDE CONDUIT, BOX. 110 TERMINATIONS AND COVER PLATE: LABEL BOTH ENDS OF CABLE "D#" FOR DATA, "T#" FOR TELCO. ALL CONDUIT RUNS IN LAB SHALL BE SURFACE MOUNTED, VERIFY EXACT OUTLET LOCATIONS WITH ARCHITECT BEFORE WORK BEGINS.

4 FOULOW MANUEACTURED'S GUIDELINES OUDING INSTALLATION OF CATSE SYSTEM Including the use of PROPER CONNECTORS AND FITTINGS. THE MAXIMUM LENGTH OF ANY CABLE RUN SHALL BE 300 FEET.

5. DO NOT EXCEED A PULLING TENSION OF 20% OF THE ULTIMATE BREAKING STRENGTH RATING OF CARLE

6. DO NOT BEND, INSTALL, OR RACK ANY CABLE IN AN ARC LESS THAN 12 TIMES (12X) THE CABLE DIAMETER. TERMINATE CABLES WITH APPROPRIATE CONNECTORS.

7. ALL INSTALLATION AND ROUTING SHALL CONFORM TO EVATIA 568. THE TWISTED PAIR WIRES SHALL BE TWISTED ALL THE WAY TO THE CONNECTORS TO HELP ELIMINATE CROSSTALK BETWEEN LINES.

8. A CABLE TESTING DEVICE SHALL BE USED ON ALL CABLES TO CHECK FOR ANY DEFECTS IN CABLES OR INSTALLATION PROCEDURES. CABLE IMPEDANCE, OPENS, SHORTS, CROSSTALK AND NOISE INTERFERENCE SHALL BE INCLUDED IN THE TESTING PROCEDURES.

TERMINAL

- RJ45 DATA SINGLE-GANG WALL OUTLET, BOX AND FLUSH COVER PLATE: 110 STYLE PUNCHDOWN TERMINAL; LABEL COVERPLATE AND CABLE (BOTH ENDS) WIT PORT #: MH=45"AFF
- ∇ RJ11 TELCO SINGLE-GANG WALL OUTLET. BOX AND FLUSH COVER PLATE: 110 STYLE PUNCHDOWN TERMINAL: LABEL COVERPLATE AND CABLE (BOTH ENDS) WITH T#: MH#45"AFF.

82 82					esciention	634
-	NEFER RM 123		11-2-1	BO CRONE? RM	103	8.5
	FINE EZTIN KM 118	-nº	1. n	UNTRIUSE IN	103	41
4.2	AMENCLO CURLETS INV 112		10	PCR SYSTEM AN	162	160
i#	RANAMOLD IOLITERYS HM 103	-24	1	SPecia		
12	100-1	-24		WHENROON OF	115 Mar 109 /46 T 411	+1
-	ACIO- SHI OUTLET	- <u>^</u> "	100-	NR CLEAN PORT	CRAST& NON HIM TOO	44
			-no-	1881-1		
in .	12-1	-1-1-	4	MAGE .		-
		-A	-ñ-	BOAD?		4.0
	SPACE .	- 10	120-1	CHIDHEADER B	NEZER (AL? HE)	-
	interes	21	10	SPACE.		-
1	374/28	11	14	3/40.		1
	1943		1 1	arect		+
-	10AG	27	1 1	199.0E		-
-	3P.4/3	20	12	SPACE		-
NING.	N, SHAR BONE CREATER THREAD WOUNTED TO SHOLL THE SAME SCHEET RANGE TO UN TONY CHEET PREPRINT ALL TO WON SHAREN TO TONY CHEET PREPRINT ALL TO WON SHAREN TO	DOU? NHES	CAL	SUL ATIC	NC	_
en de la compañía de No recentra de la compañía de la comp	N. SPACE BONG CREALINGARE, BUREACE MIDLARED IT SPECIALE DUE SAM SERVER AAVES TO VAN	DOU? NHES	1074 CA 2020-		10.2750	
SILA IN REAL XINC	N, SHAR BONE CREATER THREAD WOUNTED IS SHOLLD THE BAR SCHEEK AND TO UN DON KEHE LINER ALLERCHET HANDER	DOU? NHES	CALC		NS *	5
Kingt Kingt Kingt	PANEL "L	DOU? NHES	- 24		10.2750	-
2012 2012 2012 2012 2012 2012 2012 2012	PANE INC.	DOU? NHES	1074 CA 2020-		10.2750	8
		DOU? NHES	4	- 26	*	4
	PARE NOT AN ADVECTION OF THE OWNER O	DOU? NHES	- 24		10.2750	4. 6. 4.
	In pres motion and an experimental international and an experimental an experimental and an experimental an experimental and an experimental an experimental an experimental an experimental an experimental an experimental an ex	DOU? NHES	4	- 26	*	4
	In pres mer and an access execution to the second s	DOU? NHES	4		85 4 10 70	4. 6. 4.
	In pres mer and an access execution to the second s	DOU? NHES		- 288 - 4 - 7 - 7	80 4 10 8	A. 6. 4.
	In pres mer and an access execution to the second s	DOU? NHES		- 288 - 4 - 7 - 7	85 4 10 70	4. 6. 4.
Allen of the second sec	In previous and an exception of the international and an exception of	DOU? NHES		- 288 - 4 - 7 - 7	80 4 10 8	4



(BID ALT #2) TYPICAL BUZZER CIRCUIT DIAGRAM NOTES 1. LOCATE PUSHBUTTON (P.B.) AND BUZZER PER ARCHITECTS INSTRUCTIONS.

LIGHTING NOTES: PROVIDE LIGHT FIXTURES WIRED AS SHOWN AND PER RESPECTIVE SHEET KEYED NOTES WITH I PROMUE DON'T PALICIDES STOWN AND PER REPECT RETEX AND FEM REPECT REPORTED REPECT REPORTED REPORTE

2. FLUORESCENT BALLASTS SHALL BE PARALLEL INSTANT START ELECTRONIC TYPE UNLESS 2. FLUORESCENT BALLASTS SHALL BE PARALLEL INSTANT START ELECTRONIC TYPE UNLESS OTHERWISE NOTED, CLASS-P THERMALLY PROTECTED, SHALL HAVE CLASS A SOUND RATING, AND SHALL COMPLY WITH 1992 FEDERAL ENERGY POLICY ACT, FLUORESCENT BALLASTS SHALL BE HIGH-FREQUENCY ELECTRONIC, MINIMUM 90% BALLAST FACTOR, MAXIMUM 20% TOTAL HARMONIC DISTORTION (THD), INSTRUCT OWNER ON CLEANING OF LIGHT LENSES AND REFLECTORS ON REGULAR SCHEDULE TO MAINTAIN LIGHT QUALITY OUTPUT.

3. CEILING OR WALL SUSPENDED FIXTURES OR LIGHTING SYSTEMS SHALL BE INSTALLED BY CONTRACTOR ACCORDING TO WRITTEN MANUFACTURER'S INSTRUCTIONS AND BY FOLLOWING THE NEC CODE.

4. PLACE CEILING OCCUPANCY SENSOR FOR BEST PERFORMANCE. PROGRAM OCCUPANCY SENSORS TO BEST SUIT THE ROOM APPLICATION AND OCCUPANTS NEEDS.

5. DEMONSTRATE PROPER INTERIOR NIGHT-TIME BACK-UP SHUT-OFF. EMERGENCY LIGHT TEST, AND ANY FIRE ALARM EXIT LIGHT STRATEGY TO OWNER AND A-L. INSTRUCT OWNERS DESIGNATED REPRESENTATIVE REGARDING SYSTEM TESTING AND OPERATION.

POWER NOTES: 1. EQUIP AND WIRE PANELS AS SHOWN, EXCEPT FOR UNAVOIDABLE CHANGES. PROVIDE PANEL WITH TYPED DIRECTORY PER PANEL DIAGRAMS. INSIDE PANELS, BUNDLE WIRES NEATLY, FIELD VERIFY ALL PANEL SCHEDULE LOAD VALUES. PROPERLY SEAL ALL FIRE-WALL PENETRATIONS

2. WHEN FIELD VERIFYING EQUIPMENT, CHECK EQUIPMENT RATING, EQUIPMENT INTEGRITY AND FUNCTIONALITY, INCLUDING ASSOCIATED HARDWARE AND WIRE, CIRCUIT LOAD, AND RECOMMEND TO THE OWNER ANY NECESSARY EQUIPMENT UPGRADES.

3. ALL NEW WIRING SHALL BE SURFACE MOUNTED: RUN ISOLATED GROUNDS TO EACH OUTLET.

6. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL. MECHANICAL. PLUMBING AND GENERAL CONTRACTOR TO EXAMINE THESE DRAWINGS AND CORRESPONDING SPECIFICATIONS SECTIONS FOR WORK TO BE PERFORMED BY OTHER TRADES SHOWN ON THESE DRAWINGS.

ELECTRICAL SHEET KEYED NOTES:

I RELOCATED CARD READER: SECURITY COMPANY TO MOVE READER. COORDINATE RELOCATION OF POWER WITH SECURITY COMPANY.

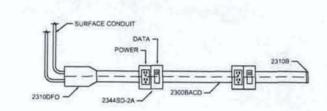
2 ELECTRIC SECURITY DOOR HARDWARE: COORDINATE INSTALLATION OF POWER WITH URITY COMPANY

3 REPLACE EXISTING FIXTURE WITH NEW SURFACE MODULAR COMMERCIALS: 2'x4'; (3) 32W T8: .125" ACRYLIC DIFFUSER: FLUSH STEEL GASKETED DOOR: (2) 120-277V PARALLEL INSTANT START BALLAST.UL: MH=2". EQUAL TO LITHONIA 2M332A12125MVOLTGEB10IS.

WIREMOLD 2300BACD, 20A GFI DUPLEX AND RJ45 DATA OUTLETS RUN TO SERVER ROOM: +45" AFF; VERIFY EXACT LOCATION WITH ARCHITECT.

LIGHTING CONTROLS:

- \$
- 0





4. VERIFY J-BOX LOCATIONS SHOWN ON ORAMINGS WITH EQUIPMENT INSTRUCTIONS JUST PRIOR TO ROUGH-IN. BOND EACH BOX TO GROUND USING A GROUND WIRE RUN WITH CIRCUIT CONDUCTORS.

5. LABEL EACH BOX COVER PLATE WITH CIRCUIT NUMBER: POWER, LIGHTING AND COMMUNICATIONS WIRING AND OR CONDUIT RUNS SHALL MAINTAIN A 1FT MINIMUM SEPARATION.

5 VFD LOCATION: SEE MECHANICALS FOR SPECIFICATIONS AND INTERCONNECT.

BID ALT #2 DROP-OFF WINDOW: PROVIDE BUZZER CIRCUIT WITH PUSHBUTTON AS DIRECTED BY ARCHITECT.

BID ALT #1 COUNTER: WIREMOLD 2300BACD, 20A GFI DUPLEX AND R.45 DATA OUTLETS RUN TO SERVER ROOM: +45" AFF: VERIFY EXACT LOCATION WITH ARCHITECT

SENTRY TOGGLE WALL SWITCH, 0.5 AMP TO 5 AMP LOAD, MECHANICAL RESET TO OFF AUTOMATICALLY WHEN INPUT POWER IS INTERRUPTED FOR SECONDS, MIN REDN LIGHT LOCATOR, SINGLE GANGE, WALL PLATE NOT INCLUDED; 120/27/V RATED, CALIFORMA TITLE 24 COMPLIANT, UL; WH-45' AFF, ISENTRY LLC - SS05277)

DUAL TECHNOLOGY LINE VOLTAGE CEILING OCCUPANCY SENSOR: 120/277V; WHITE: 5 YEAR WARRANTY: CA TITLE 24 COMPLIANT, UL: (EQUAL TO WATTSTOPPER #DT-355)

TYPICAL WIREMOLD 2300BACD SYSTEM DIAGRAM

1. WIREMOLD SHALL BE SCREWED TO WALL ACCORDING TO MANUFACTURERS 2. SUPPLY WIRE AND COVER CLIPS AS NEEDED.





10.03010 REVISIONS BY
PACHC DESIGN ASSOCIATES, IA. In the many of the many o
LIGHT, POWER & SIGNAL PLAN
Public Health Lab Renovations for: STANISLAUS COUNTY HEALTH SERVICES AGENCY 820 SCENIC DRIVE Modesto, California 95350
DATE 12-02-10 SCALE AS NOTED SRAW EJQ COB 10.09026 PHEET E2 a 0 pr 3

	COMPLIANCE	(Page 1 of 4)		LTG-10
STANEAL	3 00/479 HAL	TH SERVICES AGENCY		* 1355m2
122 RCENK WODERTO			12	10.00 Pt
are former				
hang her	Second Second	- spolie form	- D-	all of
0 0	Auto Auto Pilat	[]		منعها ليتحص
Test in the local data in the		(Jan	0-	
	Carden Lines	(And dept	H.	
		Clear sets.	u	
San Anaritation Annual A. Sandar M. A. A Landit Maximum Carthodae of San		and the located		
		Lignature.		
-		-	1.00	
	-			
1987ku			1514	
			came a	_
Warfs.			The contract of the contract o	
 Lat approximation in the interval Lat approximation in the interval The continues of considering the (approximation) 	in California Bostonia progra			aga yana katina
	an a ghuna bartan ara h anhai ta ta ta ta da an ar ta i ta ta ta ta ta ta ta			
 1.4 Spin can be added at the Spin company of an above the California can a functioner The series address associate company of the spin company. 	a (den bene et de ente integrigter et d ente (det et d) inte enter (det et d) Elfente			
 1 or spin one lines i of indexes in Analysis 1 or spin of a sector of indexes i or Analysis 1 or spin of a sector of or a sector of a sector of or a sector of a sector of a sector of a sector of a sector of a sector of a sector of a sector of a sector of a sector of a sector of a sector of a sector of a sector of a sector of a sector of a sector of a	electrony and a second se		an staan at 16.2 *	
Can define you have 1 and Can define on a conduct to Can define the definition of Can definition of	e den anter transmission en la centre d'Anne de entre des anter d'Anne Estrop.co 1040. Estrop.co 1040. Estrop.co		And the second s	
1.0 Programme and the second sec	na determina terretaria parte ante interpretaria forma determina de la constru- tivita (nel terretaria) de la construcción de l	ar in constant with a characteristic sector of the sector	1999 - 201475 1999 - 201475 1999 - 201475 1999 - 201475 1999 - 201475 399 - 201475 399 - 201475	en al francés autorité les partir autorités an al
1. Ser separation and second section 1. Ser separation and second section 1. Second section 1	 a chick benche part in anna instanza fan anna a a the landstar Ariana a anna instanza anna anna anna anna anna anna anna anna	an por series and por vision and por series and the formation and the series of the series of the series of the series of the series of portage of a model of figures. The series of model of figures, the series of model of	en in realize cell fills a A in realize to source to see interest to source to see	en al francés autorité les partir autorités an al
Comparison of the second	La canton barriera para entre interpreta harriera entre interpreta harriera entre interpreta harriera entre interpreta harriera entre interpreta harriera entre interpreta harriera entre entre entre filmente entre	er person i un for este sente anna este sente este sente sente Egenere en Tray Noval Annangener a modulate Annangener a modulate Annangener a modulate	en in realize cell fills a A in realize to source to see interest to source to see	en al francés autorité les partir autorités an al
Construction of the second secon	a california barriera para a ante interpretario barriera altera interpretario de la como altera de la como de la como altera de la como a	er person i qui fe apres reali reparte e cantop e la teneral Remon Remon Maria de la teneral de <u>Teneral</u> Al persona a moderna Al persona de moderna Al persona de moderna	en in realize cell fills a A in realize to source to see interest to source to see	en al francés autorité les partir autorités an al
Comparison of the second	La canton barriera para entre interpreta harriera entre interpreta harriera entre interpreta harriera entre interpreta harriera entre interpreta harriera entre interpreta harriera entre entre entre filmente entre	er antere en un france en al antere en antere en al en al en al Estatuente en al <u>Prese los en</u> en al <u>Prese los en</u> en al antere en al en	en in realize cell fills a A in realize to source to see interest to source to see	en al francés autorité les partir autorités an al

-	STANDE AUX COURTS HEAL TH MEMORY	A.Serie	×	-				100	-
-	RODOR LIDHITHIC TOHERAL AND TH			1 in sta	0104	100.10	_		-
	radetice Centricus (10-12-12) man a second			-	9.04		0	-	
+ 6	antitude of Asseptance, Liffinging Analysis and			-			0	~	
	and a party formula may no the set for Conditions or the Antiquese the other party conduct care of	-			3	-	-		
0	The advantigation opportunities and a provide instances of a student permanent	-	-	-					_
1	and the officer with the training and the structure barries by the second s	-				512	-	-	
5	(umpare SitteRale (Table Sample Safests)	6		- 6	Holate	d Wett	١	_	_
A.		0	12	_	í	+	1		
								1	-
R	To The Association	-	Ĥ	alla .	1	H	1	1	,
	F3218 3 Lang Unior 8, Sulface Rev 123	0	34			1	- 288		C
		0		0			10.5		C
			-		0	-	-		2
_		18	-	8	-	-	-		
-		18	-	18	H	-	-	片	h
-		18	-	H	ă	-	-	H	łð
		10		a	D	11-			1c
-		10							C
						-	1		C
						1			10
-		10		0	0	-	-	0	19
-		18	-	18	0	-	-	8	15
-		18	-	片	H	-	-	븕	持
-		H	-	Ha	a	-	-	ŏ	tč
-		The	-	10	0	-	-	ă	1c
-	11	1	-	-		19.5	198	-	-
	Manual Volde, Samerar Parameter	1.00	an Paris	iamie 10	3. ad #1		146	1	
		10		-		1000	4,7944	Fages	14

CERTIFICATE OF COMPLIANC	3	Page 4	of 4)	LTG-10
STANIS, AUS COUNTY HEAL	54.S	il Aystes	AGENCY	110011
Constitutes And Unconstitutes I	-	*Ligeng	Mult Not be Contines For Constance	_
Haur Lighting Roser for Caloffornia Sci	ia în		Induct sighting Reserves checkettones	f Speces
		Sight .		-
Continues (Section)		198	Longitude (1971)	
Lighting Souther Street. Scientification, 196-20.	-		Lighting South a Dealer Concernment (75-25)	-
International Contract of Street		148	Approximate program	-
Manual (grilling from Facilitated Salarian (1967)	Г	201	Music and Tox Incontinue Security Toxy	

The last state and the second state of the se (annen agen) Bellen da gener fannen ander ander annen annen bereken annen annen annen annen annen annen annen annen annen a Bellen an gener ander ander annen annen

	Culture 1	in the second		11000
August Awards Table	Teres	H		Links
ACC REVEARE	CERTIFIC MOUNTED	1.1	Building Inchange	0
				0
	12 11			
				0
				0
				0
				0
				0
		-		0
		++		8
		++		
		++		0
				0
		++		8
		++		1 0
		++		-
		++		
		_		

tax in the second states

Taxa and the state -LTG-IC OF COMPLIANCE (Pres 4 of 4)

And a state of the	INTERNO DECK			_
			~	1.0
in and specify	A THE PERSON NO. 1 WILLIAM TO	and seathing		
cidal		An Jacine (1)	5	_
	- A	1000	-	
=	manriana.	11	¥.	1
2	R00M 105	0	0	
-				
		0	0	0
		0	0	
		0		
1				
	- //	0		
-		0		0
-				0
	_	0	0	
_		0		0
_		0	0	
_		10	믭	
-	-	0	8	밀
-		- 18	8	믕
_		10	LD.	14
		1 800416		

.

INDOOR LIGHTING POWER ALLOWANCE LTG-SC * sasara NAME AND ADDRESS OF AD ALL DALED UP-A approval 10-340 must in the consummer space. From an Complexie Building Matrice ante Distantion Destates ten Killig Langra Jun 1414 1414 104.0 Area Sesany Mehoa - Part A A 6 0 . 10 10 20 -NA 145 200 Area Cologois Manuel - Fact 8 A 8 2 0 A 8 Alterna Areas 1 2 1 3 35 Contraction and Streetly of Special Contraction Transit Transit Provider From Ne 10% 2 • Solution is been called and an end of the solution is being a figure and to recepte a more all out assesses a more and an end of the solution of the solu Single spectra of the super Value and Antonia Single Spectra (Single Spectra (

MANDATORY MEASURES (INDOOR)

and temperature in the state of the

1 at 111

THE BUILDING LIGHTING SHUT-OFF THE BUILDING LIGHTING SHUT-OFF SYSTEM CONSISTS OF OCCUPANCY SENADORS OF TIME CLOCK PER SECTIONS 119 & 131(d) OF THE 2008 NON-RESIDENTIAL COMPLIANCE MANUAL

2. OVERRIDE FOR BUILDING LICHTING SHUT-OFF IF TIME CLOCK IS USED. THE AUTOMATIC BUILDING SHUT-OFF SYSTEM IS PROVIDED WITH A MANUAL ACCESSIBLE OVERRIDE SWITCH IN SIGHT OF THE LICHTIS. THE AREA OF OVERRIDE IS NOT TO EXCEED 5.000 SQFT OR 20.000 SQFT FOR MALL, ADDITORTINH, RETAIL BPACE. INDUSTRIAL SPACE. CONVENTION GENTER OR ARENA.

3. LIGHTING EQUIPMENT DEVICES CERTIFIED ALL DEVICES URED SHALL BE CERTIFIED AND COMPLY WITH SECTIONS 111 & 119 OF THE 2008 NON-RESIDENTIAL COMPLIANCE MANUAL: ALL ALTERNATE EQUIPMENT SHALL BE CERTIFIED AND INSTALLED AS DIRECTED BY THE MANUFACTURER.

4. INDIVIDUAL ROOMAREA CONTROLS EACH ROOM AND AREA IN THIS BUILDING IS ÉQUIPPED WITH A SEPERATE SWITCH OR OCCUPANCY SENSOR DEVICE FOR EACH AREA WITH FLOOR-TO-CELING WALLS.

5. UNIFORM REDUCTION FOR INDIVIDUAL ROOMS. ALL ROOMS AND AREAS GREATER THAN 100 SQUARE FEET AND MORE THAN 0.8 WATTS PER SQUARE FOOT OF LIGHTING LOAD SHALL BE CONTROLLED WITH MULTIL_SELES SWITCHING FOR UNIFORM REDUCTION OF UNDITTING WITHIN THE ROOM ALSO IF A SINGLE LUMINARE HAS MORE THAN TWO LAMPS.

E. DAYLIT AREA CONTROL ALL ROOMS THAT ARE GREATER THAN 250 SQUARE FEET AND CONTAIN WINDOWS AND SKYLIGHTS. THAT ALLOW YOR THE EFFECTIVE USE OF DAYLIGHT IN THE AREA BHALL HAVE SON OF THE UIGHTMS OWER IN EACH DAYLIGHT IN THE AREA BHALL HAVE SON OF THE UIGHTMS OWER IN EACH DAYLIGHT AREA CONTROLLED BY A SEPERATE SWITCH, OR THE EFFECTIVE USE OF DAYLIGHT THROUGHOUT CANNOT BE ACCOMPLISHED BECAUSE THE WINDOWS ARE CONTINUOUSLY SHADED BY A BUILDING ON THE ADJACENT LOT. DURARMA OF SHADING DURIND DIFFERENT TIMES OF YEAR IS INCLUDED ON PLANS, IF APPLICABLE.

	10.03010 REVISIONS BY
	PACEC DESIGN ASSOCIATES, IC. In a contract a source of the
	CA TITLE-24 ELECTRICAL APPLICATIONS
	Public Health Lob Renovations for: 5TANSLAUS COUNTY HEALTH SERVICES AGEWCY 820 SCDNC DRIVE Modesto, California 95350
NOT THE TAY OF T	DATE 12-02-10 SCALE AS NOTED DRAM EJQ JOB 10.09025 SHEET E 3 0 or 3

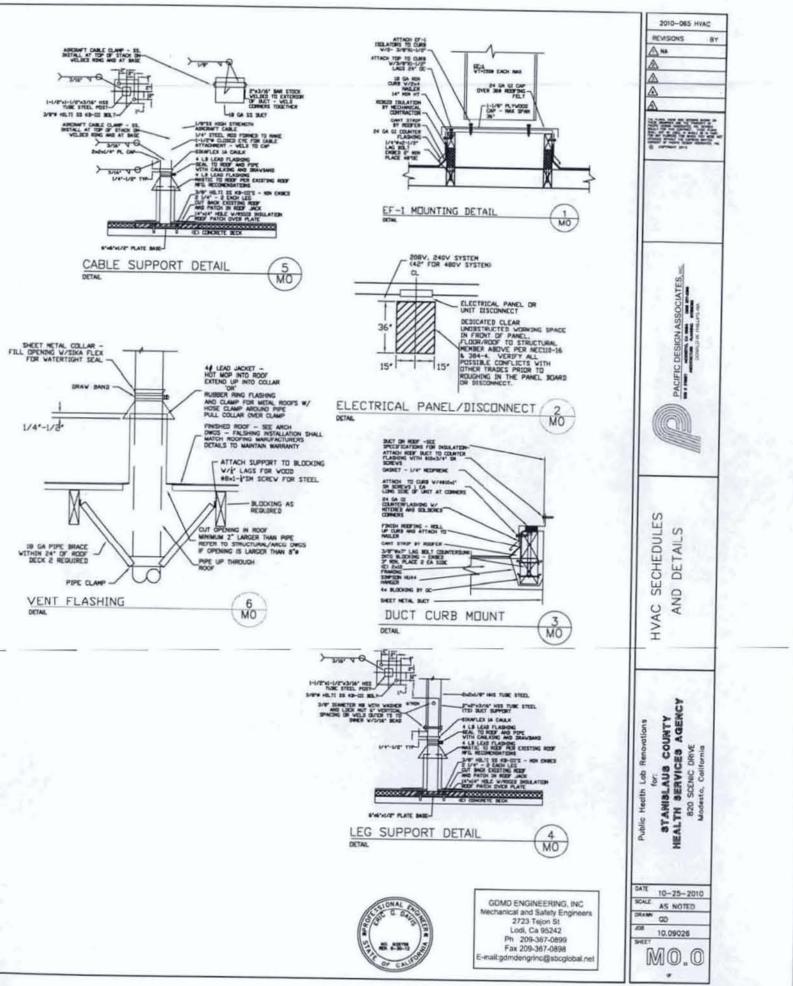
MARK	MAKE	Bar gin out	ATTICAL .	DAMPE	н –			-		
GST-1	PHOENEX	DESCRIP		DAMPE TYPE/		-	NTROLS		REMARKS/OP.VT.	
	SVALLANSLINVZ	TERMIN	NL	VENTI		RPN		NA	ND CDATINGS	
CONDU	ASH SENSOR A IT/WIREMOLD IN EVICES WHERE	TH SETRA/VERIS AND DIVIOR COM SPACE, CONDU SHOWN AND PE P ROOM NEGAT	NTROLLES JIT ON R R THE E	R. RU	IN ALL NO E	CAB	LING AND	CONTROL	WIRING	
-	USI-1 TO ALL	the second state of the se	and the second second	F	AN	50	HEDU	II F		_
MARK	MAKE	DESC.	031	CAPI	ACITY	SU	ELECTI		ACCESSIONES	let 10
17-3	GREENHECK	ROOF	0%	38	1000	-	CHARACTE	RISTIC	ACCESSORIES CONTROLS	OP VI
	115 SWB	EXHAUST FAN	1800	3.0	1680	33	HP 20 2	98V 3#	STATIC PRESS CONTA	ICL 150
F SMAC	rnish and k									
All NACNA's L All Fter Fi fter Fi fter Fi fter Fi that to All 200 200 200 All	pipes, ducted Saishic Rest contractor / with the pie nal inspection in instructions in durper instr of instructions a trained that serial that to be used i tail all pipe a stalled shall work on this of CEC 7 CEC yes branche	truction stan rk and condu raint Guideline urnished equip of equipner , three sets shall be give shall be give shall be give	dards. it shall rs, OSHP ment in the ment of of ope in to t ctions rated reds the all be confor	be in 3 pris istalling the ration he De shall assen e Tr coord shall assen e Tr coord shall assen e Tr coord shall assen e Tr	stalle ration rproo n, inst inter i be no valies ration instea is per requi	rd av avai f po talla for shal g off s sit follo	nd seisnic #R0010, startup uuches un tion, nain each piec available i be fime the ass n the Ge 24 requir ents. wing code	aly br instruc til final tenance e of eq to the stopped enbly p enbly	aced per tions shall inspection, and upment, inspecting and seuled metrated, mitractor, All naterial	

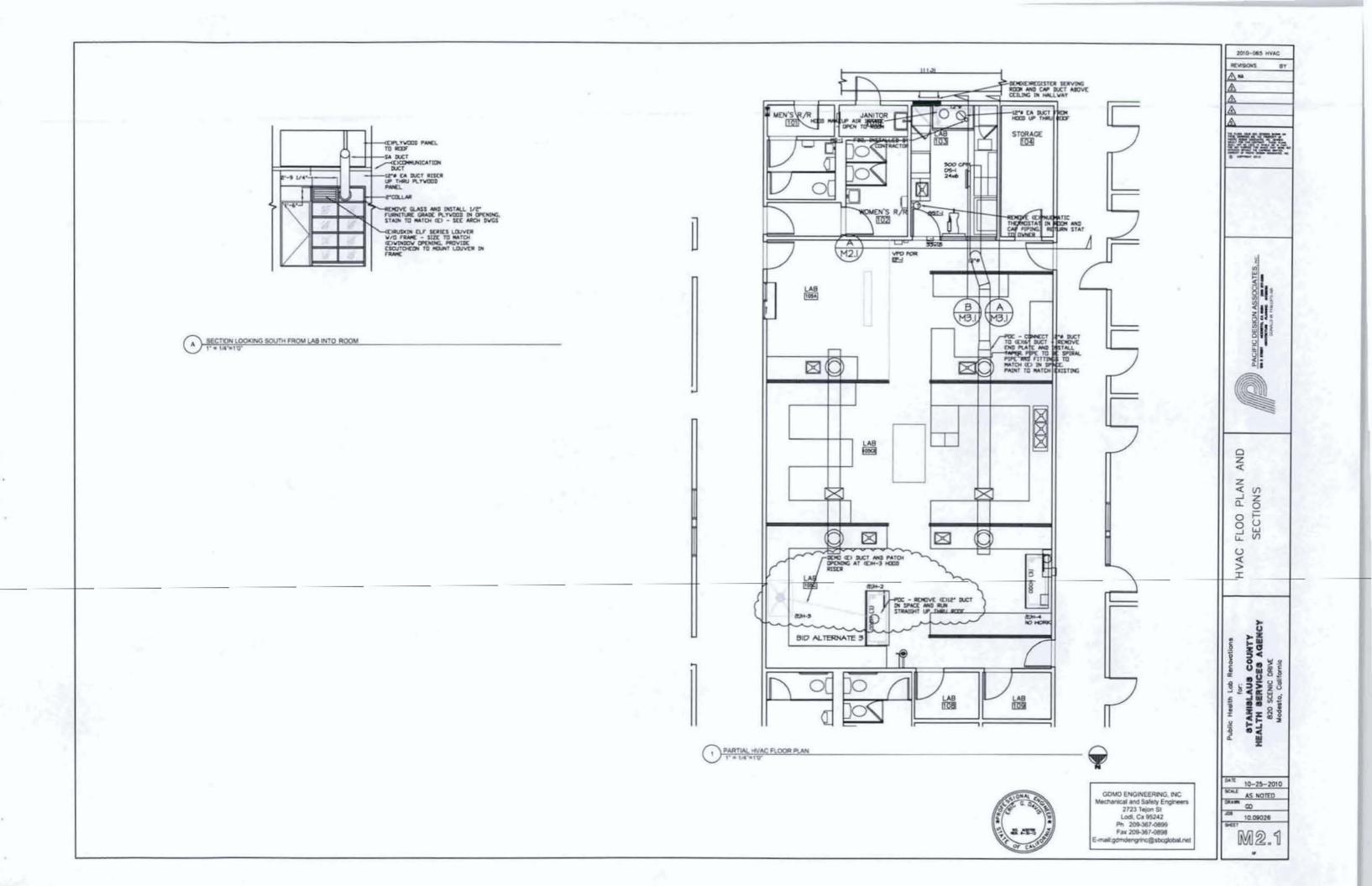
engraved plates with U/2' tail lettering indicating the equiperior humber and state the areas served by the equiperit certified ar balance showing system has been balanced and DSA quantities set to that shown on drawings. 16. All first duct will be stretched as tight as possible and as per nanufacturers listing to avoid all kries and sagging. 17. All snoke director's shall be tested as required with an approved snoke system per the City of Stocktows standards in the presence of the inspector or fire marshall. 18. Condensate drawing lines shall be UV resistant CPVC or PVC pipe shall be painted to protect from UV radiation.

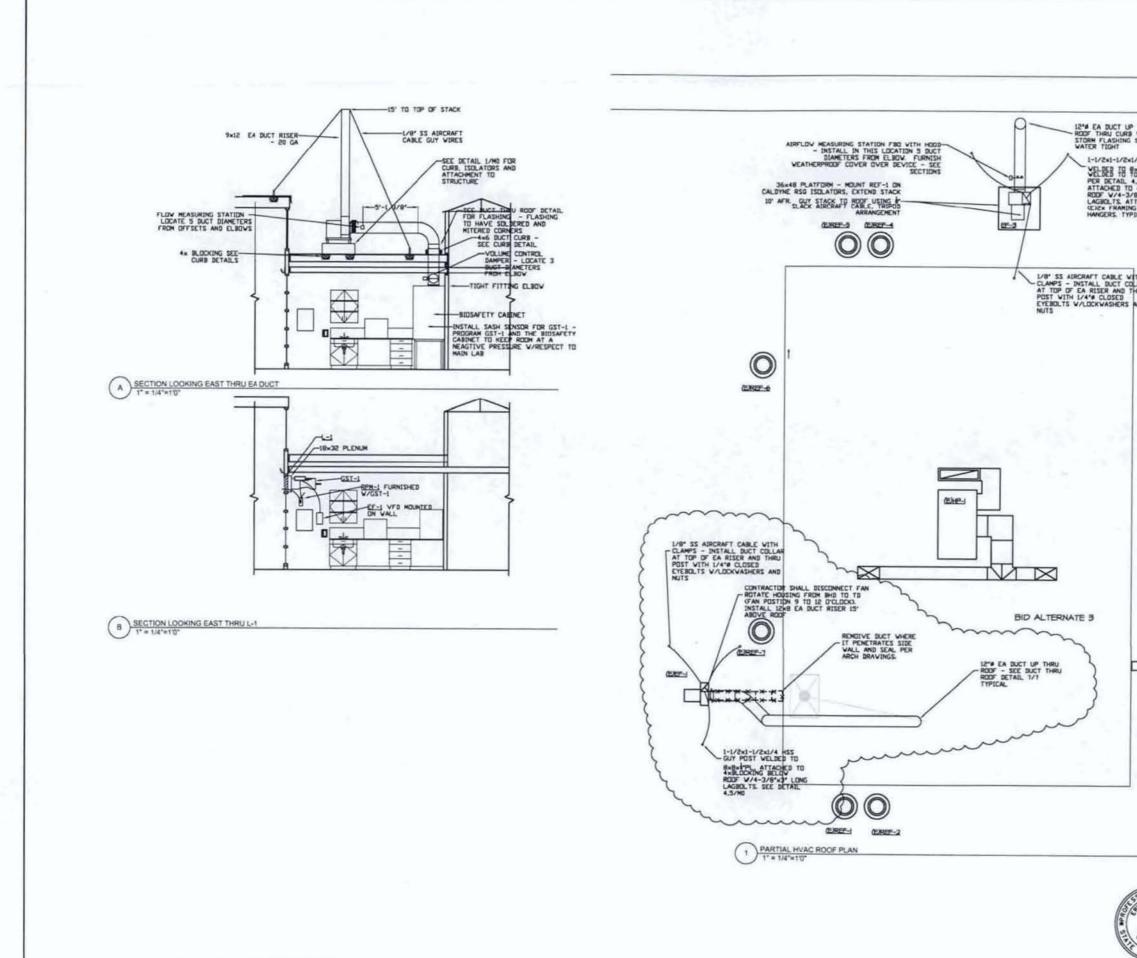
1-24 NANDATORY FEATURES

EQUIPMENT CONTIFIED TO MINHUM EFFICIENCY M-0 CONTROL COULPHENT CONTIFIED TO 1194 AND 12LCL N/A PILOT LIGHTS PROHIBITED PER 115 N/A VIONILATION REQUIREMENTS PER 1210_CMB H-1 AIR BALANCE NATURAL, VENTLATION PER 1210_CMB H-1 AIR BALANCE CONTROLS NEET REQUIREMENTS 122. M-0, See Notes. SHALT DOWN AND BACKBAFT GAMPERS PER 122.F See Schedules on M-0 ISDLATION AND BACKBAFT GAMPERS PER 122.F See Schedules on M-0 ISDLATION AND BACKBAFT GAMPERS PER 122.F See Schedules on M-0 ISDLATION FOR DEVICES PER 122.G N/A PIPE INSURATION PER 123.G N/A REQUIREMENTS FOR DUCTS AND PLENUMS PER 124 M-0, SPECIFICATIONS

STNBOL	ITON	ADDRE
	HETHNELS IN OUT SH	-
	AND DACT WITH MELANDA	-
11-1	NO - VOLUME ANNUAL DAMPER	10
- 175	COPD - COL FRE SACRE DAMPES MD - WOTCHING DAMPES	× 300
2	TURNING VANES	-
300	FREST LETTER 1	CERLING
- 2 -	LOCATON	ALCOR MALL
	CS-4 SECOND LITTER	SUPPLY RETURN
	NAMER-TYPE	DHAUST MY SOHD
01-1		
	300 - ONK CUBC PET PE 12x12 - ORLE NEOK SIZE S	NOIS
(T)	THERMOSTAT, UNIT NO.	-
	BIPASS, WIESTAT, GLOOK	-
	GALVANZED SHEET WETAL	
-	ARTYE FINSHED FLOOR	MT
	DUCTWORK - NEW	(11)
	OUCTWORK TO BE REMOVED	
	OUCTWORK CASTING	00
۲	POINT OF CONNECTION	POC
0	OUT OFF POINT	cor
-	UP THROUGH ROOF	UTR
_	CONDENSATE, OMOTION	-
_	HEATING WATER SUPPLY, RETURN	C, OF
-	ORLED HATER SUPPLY, RETURN	Ories, Ories
-	NADIME BOLT	WB NB
-	AL THEN NO	ATR
	OUTSIDE AN	OSA
-	FEET PER MINUTE	TPN .
0-	DUCT TEMPERATURE SENSOR	075
	PLEX CONNECTOR	PC
-	ALEX DUCT	-
	STEAN PAPE	5
-	TILAN CONDENSATE	50
	NAMELOF MATER	0.
_		
- 20	SHUT OFT/BALL VALVE	BV







GUY POST "FLASHING TYPICAL 6. CXIMS BELOW ONG LOCKING TO: HU44	PACIFIC DESIGN ASSOCIATES, INC. IN THE MENT OF AN ASSOCIATES, INC. IN THE MENT OF AN ANALON OF
	HVAC ROOF PLAN AND SECTIONS
	Public Health Lob Renovations for: aTAMISLAUS COUNTY MEALTH SERVICES AGENCY 820 SCENIC DRIVE Modesto, Colifornia
GDMD ENGINEERING, INC Mechanical and Safety Engineers 2723 7ejon St Lodi, Ca 95242 Ph. 209-367-0899 Fax 209-367-0898 E-mail:gdmdengrinc@sbcglobal.net	DATE 10-25-2010 SCALE AS NOTED ORAME GD -00 10.09026 SHEET M 3 1

-		MBING FIXTURE SCHE	DULL
Not.	Note	Trim	Accessifies
08-1	STARTE DP2	5 GALLON SELF CONTAINED DRAIN SYSTEM, TES, BRAND, GRANBER HOUR, ARC'S SOV, 10 HP HOTOR HITH CONTROLS, GRANBER PART KAPEDR 48C-14.	
14	NORCH KENT-U CAT	NUM (-4318 - 19 2000 NOS PACE BIL OUT ACHIOR DOM (-4000 POT PDA - DUAT UN-16 OWER STRATE- COMMON 345-1 P-199- BRODOWT STITUTUS C ANGLE STOP MIN ED. ANT REPLES	
WST-1	PURELAS OPTION-07. 00002799111 FLAMMERAD BY ONMER AND INSTALLED BY CONTINUETOR	CONTINCTOR SHILL FURNER AND HETALL 3/8" PLACE BATCH LIBBIG AND HETALL 3/8" TO HOOD AS MADE OF HAMMEL, LAT ULTIM PLACE BATCH PAPING OR EQUAL	W/ 35 LITHE GOODING WESSEL 1/2" DH GORWELTICH, 1/4" DRAM, CARMET WOLWIED ON WALL BALL WENES SHALL BE THU UNCON TITLE

PLUNBING NOTES

ALL WORK SHALL CONFORM TO THE FOLLOVINGS CODES-

2007 CBC 2007 CPC 2007 CMC 2007 CEC

CONTRACTOR SHALL KEEP ALL DETALLATION INSTRUCTIONS FOR PLUMBING FIXTURES, ACCESS DOORS, SCALING NATERIAL, FIRE STOPPING, ETC. ONSITE IN VATERPROOF POUCHES FOR THE INSPECTING AUTHORITY FOR THEIR REVIEW.

PLUNDING CONTRACTOR SHALL SUBNIT 7 SETS OF SUBNITTALS FOR REVIEW AND COMMENT BY THE ENGINEER AND ARCHITECT OF RECORD FOR THE FIXTURES LISTED AND THE MATERIAL TO BE USED AND INSTALLED ON THIS PROJECT AND SHALL MAKE THE APPRPRIATE CHANGES AS DIRECTED BY THE ENGINEER AND ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

MATERIALD COLD AND HOT VATER TYPE 1: COPPER ABOVE GROUND AND TYPE 1: BELDY. FURNISH SAUTOFF VALVES WHERE SHOWN SHUT OFF VALVES SHALL BE BALL TYPE VITH TEFLON SEATS, STAINLESS STEEL BALL, AND DOUBLE DRING STEN 1/4 TURN. VALVES TO BE RATED FOR VOG SERVICE. PROVIDE DIELECTRIC UNDORS AT ALL DISSINILAR NETAL CONNECTIONS. INSULATE HOT VATER SUPPLY AND RETURN LINES V/1" FIBERGLASS ASJ MEETING THE REQUIREMENTS OF T-24 MANDATORY FEATURES.

SCH 48 CPVC BELOV GRADE DUTSIDE, SIZE AS INDICATED ON THE DRAVINGS. CONTRACTOR SHALL COORDINATE HIS VORK VITH OTHER TRADES. CONTRACTOR SHALL DISINFECT VATER LINES PER AVA GUIDLINES AND PROVIDE THREE COPIES FROM AN INDEPENDENT TEST LAB. VATER SHALL BE TESTED FOR VATER BORNE BACTERIUM, SPORIDUM AND OTHER PATHOGENS AT THE THE OF DCCUPARCE AND CERTIFY THE SYSTEM PASSED THESE TESTS.

SEVER - ABS PIPE AND FITTINGS ABOVE AND BELOV GRADE, CI PIPE VITH ESCUTCHEONS WHERE PROVIDITED BY CODE AND THE LOCAL JURISDICTION. CLEANDUTS SHALL BE PROVIDED EVERY 100 FT AND AT EACH CHANGE OF DIRECTION GREATER THAT 90% USE OF ABS PIPE RIS LIMITED TO BUILDINGS & ON LESS STORIES IN MEIGHT AND CANNOT BE USED VITHIN FIRE RATED ASSEMBLIES.

VENT LINES - SEE SEVER LINES.

HVAC CONDENSATE DRAIN LINES - TYPE W COPPER PIPE AND FITTINGS INSIDE BUILDING AND SCH 40 PVC PIPE DUTSIDE BUIDLING, PROVIDE CLEANDUT AT EACH CHANGE OF DIRECTEDN AND AT COL CONVECTION.

GAS 3 PSI SERVICE - 2-1/2" AND SMALLER SMALL BE SCH 40 GI SCREWED PIPE AND FITTINGS. 3" AND LARGER SWALL BE SCH 40 VELDED PIPE AND FITTINGS. EXPOSED PIPE SMALL BE GALVANIZED. BURIED PIPE SHALL BE COVERED VITH X-TRU CDAT. ALL PIPE INSIDE BUILDING SMALL BE VELDED. 7" VC SERVICE - SCH 40 GALVANIZED IRON PIPE AND FITTINGS DUTSIDE BUILDING AND SCH 40 BLACK IRON PIPE INSIDE BUILDING. PAINT VHERE EXPOSED TO INTERIOR FINISHES.

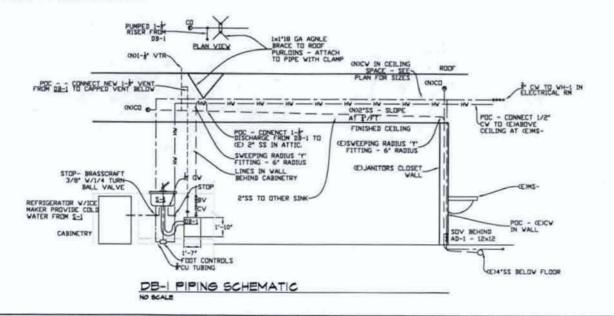
EIXTURES NOUN IN ALL MANDICAP FIXTURES PER THE DETAILS FOUND IN UBC CHAPTER 11, THE ARCHITECTURAL DRAVINGS AND LOCAL CODE REQUIREMENTS. NOTIFY ARCHITECT IN VRITING OF CONFLICTS.

SUBMITTALS PROVIDE SEVEN SETS OF SUBMITTALS FOR REVIEW.

INSTALLATION BRACE ALL PIPE AND DUCT SYSTEMS PER SMACHA BEISMIC RESTRAINT GUIDELINES INCLUDING CHANGES DE DIRECTION AND CHANGES IN ELEVATION OF MORE THAN 10'.

CPVC INSTALLATION INSTALLATION OF CPVC FOR NEW AND REPLACEMENT SYSTEMS HIST COMPLY WITH THE REQUIREMENTS AS STATED IN CHAPTER 6 AND INSTALLATION STANDARDS TAPHO IS-20-2005, ALL PROCEDURES HIST BE FOLLOWED FOR FLUSING AND VORKET SAFETY MEASURES. INCLUDED ARE THE PONALTIES AS STATED ON CHAPTER 6 (g), ANY CONTRACTOR OR SUBCONTRACTOR FOLLOWED TO HAVE FAILED TO COMPLY WITH THE VISITIATION GIVE OF FLUSING REQUIREMENTS OF SECTION L22 OF APPENDIX I OF THIS CODE, INSTALLATION STANDARDS FOR CPVC SOLVENT CEMENT HAT AND COLD WATER DISTRIBUTION STEMS. JAMPO IS-20-2005 SHALL BE SUBJECT TO THE PENALTIES ON HEALTH AND SAFETY CODE, DIVISION 13, PART IS CHAPTER 6 SECTION 17995.

IN ADDITION IF DURING THE CONDUCT OF ANY BUILDING INSPECTION, THE BUILDING OFFICIAL FINIS THAT THE VENTLATION AND GLOVE REQUIREMENTS OF SECTION 122 OF APPENDIX I OF THIS CODE, SPECIAL REQUIREMENTS FOR CPVC INSTALLATION WITHIN RESIDENTIAL BUILDINGS ARE BEING VIDLATED, BUILDING OFFICIAL SHALL CITE THE CONTRACTOR OR SUBCONTRACTOR FOR THE VIDLATED, WHER THE CALIFORNIA PLUMBER CODE.





FIXTURE	CONNEC	TION S	CHEDU	LE	
PLUMBING	SAN	TARY.	WATER		
FIXTURE	SEWER	VENT	COLD	HOT	
WATER CLOSET FV	3.	2	1e.		
WATER CLOSET FT	1.3"	2*	1/2*		
URINAL FV	2"	1-1/2"	34"	1.10	
URINALET	7	1-1/2"	12*		
LAVE	20	1-1/2	12	1/27	
BAR SINK	7	1-12"	1/2*	1/2"	
CLASSROOM SINK	2	1-1/2"	1/2*	1/2*	
KITCHEN SINK	2	1-1/2"	1/2"	1/2	
MOP SINK	3	2"	34*	34	
TRAP PRIMER			1/2*	1.	
FD-2"	2	1-1/2"		1.4	
10-3	3"	. 2			
FLOOR SINK 2"	- 2*	1-1/2"		1.4	
FLOOR SINK 3"	3*	1-1/2"		5.6	
SHOWER + RES.	7	1-1/2*	1/2"	1/2*	
EYEWASH	7	1-1/2"	1.2"		

