MODULAR BUILDING PLANS
FOR
NAPA VALLEY COLLEGE WINE LAB

2277 NAPA-VALLEJO HIGHWAY
NAPA, CALIFORNIA 94558

FILE NO. 28-C1 APPLICATION NO. 01-101639

ARCHITECT. DONALD S. MACKY, AIA.
1836 CLAY STREET
NAPA, CA 94558
PHONE;

ABBREVIATIONS

Ø	DIAMETER	DSA	DIVISION OF STATE ARCHITECT	ID	INSIDE DIAMETER	RAG	RETURN AIR GRILLE
°	DEGREE	DWG	DRAWING	INT	INTERIOR	RHWS	ROUND HEADS WOOD SCREW
∠	ANGLE	EA	EACH	L	LENGTH	RO	ROUGH OPENING
⏀	SQUARE FOOT	EF	FLUID APPLIED EPOXY FLOORING	LO	LOCKED END	RWL	RAINWATER LEADER
AB	ANCHOR BOLT	EQ	EQUAL	MAX	MACHINE BOLT	SAG	SUPPLY AIR GRILL
ACC	ACCESSIBLE SIGNAGE	ETC	ETCETERAS	MB	MAXIMUM	SC	SOLID CORE
	@ EXTERIOR	(E)	EXISTING	MECH	MECHANICAL	SCD	SEE CIVIL DRAWINGS
ACOUS	ACOUSTIC	EXT	EXTERIOR	MFT	MINERAL FIBER	SED	SEE ELECTRICAL DRAWINGS
ACT	ACOUSTIC CEILING TILE	FE	FIRE EXTINGUISHER		ACOUSTIC TILE	SFC	SELF-CLOSER
AFF	ABOVE FINISH FLOOR	FEC	FIRE EXTINGUISHER CABINET	MIN	MINIMUM	SIM	SIMILAR
ALUM	ALUMINUM	FHWS	FLAT HEAD WOOD SCREW	MOD	MODULAR	SLR	CLR SEALER
&	AND	FIP	FAMOUS IDAHO POTATOES	MTL	METAL	SMD	SEE MECHANICAL DRAWINGS
@	AT	FIN	FINISH	(N)	NEW	SMS	SHEET METAL SCREW
BD	BOARD	FLR	FLOOR	NIC	NOT IN CONTRACT	SPD	SEE PLUMBING DRAWINGS
BDD	BACK DRAFT DAMPER	FOIC	FURNISHED BY OWNER,	NOM	NOMINAL	SQFT	SQUARE FEET
BLK	BLOCK		INSTALLED BY CONTRACTOR	NTS	NOT TO SCALE	SS	STAINLESS STEEL
BLKG	BLOCKING	FR	FREE END	OC	ON CENTER	STL	STEEL
BM	BEAM	FRP	FIBERGLASS REINFORCED PANEL	OD	OUTSIDE DIAMETER	STS	SELF TAPPING SCREW
BOT	BOTTOM	FTG	FOOTING	OPH	OPPOSITE HAND	SV	RESILIENT SHEET VINYL WITH
BUR	BUILT-UP ROOFING	G2	1/2" GYPSUM BOARD	PG	PAINT SEMI-GLOSS		6" INTEGRAL COVED BASE
℄	CENTERLINE	G8	5/8" GYPSUM BOARD	PH	PANIC HARDWARE	T&G	TONGUE & GROOVE
CLG	CEILING	GA	GAUGE	℘	PLATE	TK	TACKABLE PANELS
COL	COLUMN	GM	1/2" MOISTURE RESISTANT	PLAM	PLASTIC LAMINATE	TS	TUBE STEEL
COMP	COMPOSITE		GYPSUM BOARD	PLY	PLYWOOD	TYP	TYPICAL
CONC	CONCRETE	GSM	GALVANIZED SHEET METAL	PS	PAINT SMOOTH FINISH	UF	UNFINISHED – TAPE ONLY
CS	CONCRETE SLAB	GV	GRAVITY VENT		(ENAMEL/EGGSHELL)	UNO	UNLESS NOTED OTHERWISE
CT	CERAMIC TILE	GWB	GYPSUM WALLBOARD	PSF	PLYWOOD SUB-FLOOR	VCT	VINYL COMPOSITION TILE
CPT	CARPET	GX	5/8" TYPE "X" GYPSUM BOARD	PLYWD	PLYWOOD	VERT	VERTICAL
DBL	DOUBLE	GYP	GYPSUM	#	POUND OR NUMBER	W	WIDTH
DET	DETAIL	HM	HOLLOW METAL	R4	4" RUBBER BASE	w/	WITH
DS	DOWNSPOUT	HORIZ	HORIZONTAL	R6	6" RUBBER BASE	WD	WOOD

SYMBOLS

BUILDING SECTION OR WALL SECTION REFERENCE — X / RAX.1 — SECTION NUMBER — SHEET NUMBER

EXTERIOR ELEVATION REFERENCE — X / RAX.1 — EXTERIOR WALL NUMBER (KEY TO ELEVATION OR ROOM FINISH SCHEDULE) — SHEET NUMBER

INTERIOR ELEVATION REFERENCE — X / RAX.1 — INTERIOR WALL NUMBER (KEY TO ELEVATION OR ROOM FINISH SCHEDULE) — SHEET NUMBER

DETAIL REFERENCE — X / RAX.1 — DETAIL NUMBER — SHEET NUMBER

DOOR REFERENCE — 101X — DOOR NUMBER

WINDOW REFERENCE — X — WINDOW DESIGNATION

WALL TYPE — X — WALL TYPE

KEY NOTE REFERENCE — X — REFERENCE NUMBER

CASEWORK REFERENCE — 101X — WIC NUMBER — SIZE LETTER REFERENCE PER SCHEDULE

REVISION REFERENCE — X — REVISION NUMBER

COLUMN REFERENCE GRIDS — 1 — A

TRUE NORTH — REFERENCE NORTH — NORTH POINTERS

UP 7R 11T — STAIR DIRECTION, # RISERS & TREADS

ROOM 101 — ROOM NAME & NUMBER

101 — EQUIPMENT NUMBER

CENTER LINES, FLOOR LINES AT EXTERIOR ELEVATIONS, PROJECTED LINES

PROPERTY LINES, BOUNDARY LINES

HIDDEN LINES

BREAK LINES

WOOD STUD WALL

MASONRY

CONCRETE

INSULATION (LOOSE OR BATT)

INSULATION (RIGID)

EARTH

SAND / PLASTER / MORTAR

ROCK FILL

METAL (LARGE SCALE)

(SHEET) METAL

GYPSUM WALLBOARD

FINISHED WOOD

ROUGH WOOD (CONTINUOUS MEMBER)

ROUGH WOOD (NON-CONTINUOUS MEMBER)

PLYWOOD

TILE (CERAMIC)

SUPPLEMENTAL CONDITIONS

SUPPLEMENTARY CONDITIONS IN SCHOOL SPECIFICATION ARE LISTED BELOW (ALL SECTION NUMBERS REFER TO GROUP 1, CHAPTER 4, PART 1, TITLE 24, C.C.R.):

1. ADDENDA AND CHANGE ORDERS PER SECTION 4-338.
2. INSPECTOR APPROVED BY DSA. INSPECTOR AND CONTINUOUS INSPECTION OF WORK PER SECTION 4-338(D) AND 4-338.
3. TESTS AND TESTING LABORATORY PER SECTION 4-335 (OWNER SHALL PAY THE TESTING LABORATORY).
4. SPECIAL INSPECTION PER SECTION 4-333(C).
5. CONTRACTOR SHALL SUBMIT VERIFIED REPORTS PER SECTION 4-336 AND 4-343(C).
6. ADMINISTRATION OF CONSTRUCTION PER PART 1, TITLE 24, C.C.R.:
   -DUTIES OF ARCHITECT, STRUCTURAL ENGINEER OR PROFESSIONAL ENGINEER PER SECTION 4-333(∠) AND 4-313.
   -DUTIES OF CONTRACTOR PER SECTION 4-343.
   -VERIFIED REPORTS PER SECTION 4-336.
7. GOVERNING CODES: TITLE 24, C.C.R.
8. A COPY OF PART 1 & 2 OF TITLE 24 SHALL BE KEPT AND AVAILABLE IN THE FIELD DURING CONSTRUCTION.
9. DSA SHALL BE NOTIFIED ON START OF CONSTRUCTION PER SECTION 4-331.
10. SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT PER SECTION 4-331.
11. DSA IS NOT SUBJECT TO ARBITRATION.

APPLICABLE BUILDING CODES

TITLE 24, PART 1 C.C.R., 1995 BUILDING STANDARDS ADMINISTRATIVE CODE

TITLE 24, PART 2 C.C.R.: 1995 C.B.C. (1994 UNIFORM BUILDING CODE, VOL. 1-3, WITH 1995 STATE OF CALIFORNIA AMENDMENTS)

TITLE 24, PART 3 C.C.R.: 1995 C.E.C. (1993 NATIONAL ELECTRICAL CODE, WITH 1995 STATE OF CALIFORNIA AMENDMENTS)

TITLE 24, PART 4 C.C.R.: 1995 C.M.C. (1994 UNIFORM MECHANICAL CODE, WITH 1995 STATE OF CALIFORNIA AMENDMENTS)

TITLE 24, PART 5 C.C.R.: 1995 C.P.C. (1994 UNIFORM PLUMBING CODE, WITH 1995 STATE OF CALIFORNIA AMENDMENTS)

1995 CALIFORNIA FIRE CODE (C.F.C.), PART 9, TITLE 24, C.C.R. (1994 UNIFORM FIRE CODE AND 1995 STATE OF CALIFORNIA AMENDMENTS)

CALIFORNIA CODE OF REGULATIONS, TITLE 19

CALIFORNIA CODE OF REGULATIONS, TITLE 24

DIVISION OF THE STATE ARCHITECT, STRUCTURAL SAFETY SECTION, INTERPRETATION OF REGULATIONS

NFPA 72, FIRE ALARM CODE, 1993 EDITION, WITH CALIFORNIA AMENDMENTS

PROJECT PARTICIPANTS

OWNER: NAPA VALLEY COLLEGE
2277 NAPA-VALLEJO HIGHWAY
NAPA, CA 94558
PHONE: 707-253-3340

CONTRACTOR: GV CUSTOM MODULAR CONSTRUCTION, INC.
160 GRANT AVENUE
HEALDSBURG, CA 95448
707/431-2236

STRUCTURAL: KENT ENGINEERING
3608 AARON DRIVE
SANTA ROSA, CA 95404
707/526-7956

ELECTRICAL: BLAKESLEE ELECTRIC INC.
14 WEST THIRD STREET
SANTA ROSA, CA 95402
707/545-6393

BUILDING DATA

T24 CCR .... 1994 EDITION

OCCUPANCY GROUP E1

CONSTRUCTION TYPE .... V-NR

STORIES 1

DESCRIPTION OF USE .... CLASSROOM

TOTAL BUILDING AREA .... 1900 SQFT

MODULAR SIZE .... (4) 11'-10 1/2"x40'-0" MODS @ 475' SQFT EACH = 1900 SQFT TOTAL

NUMBER OF MODULES 4

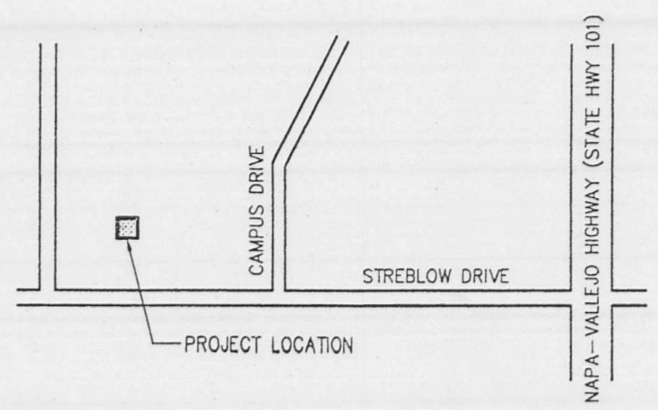
SEISMIC ZONE 4

DRAWING INDEX

DEFERRED APPROVALS

1. THE HOLE IN THE FLOOR BEAM IS CURRENTLY UNDER STUDY BY GVCM AND MAY REQUIRE STRENGTHENING PRIOR TO DSA APPROVAL.

VICINITY MAP



APPROVALS

LICENSED ARCHITECT
DONALD S. MACKY
No. C-751
REN 6/30/01
STATE OF CALIFORNIA

Donald S Macky

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP # 101639
FILE #
AC [illegible] FLS [illegible] SS chen
DATE JUN 2 3 1999

OWNER'S RECORD DOCUMENT - FOR REFERENCE ONLY

GV CUSTOM MODULAR CONSTRUCTION, INC.
160 GRANT AVENUE, HEALDSBURG, CA 95448 USA
PO BOX 1805 COMMERCIAL LIC.#2852884
PHONE: 707/431-2236 FAX: 707/431-7338
EMAIL: arch@gvcm.com WEB: http://www.gvcm.com

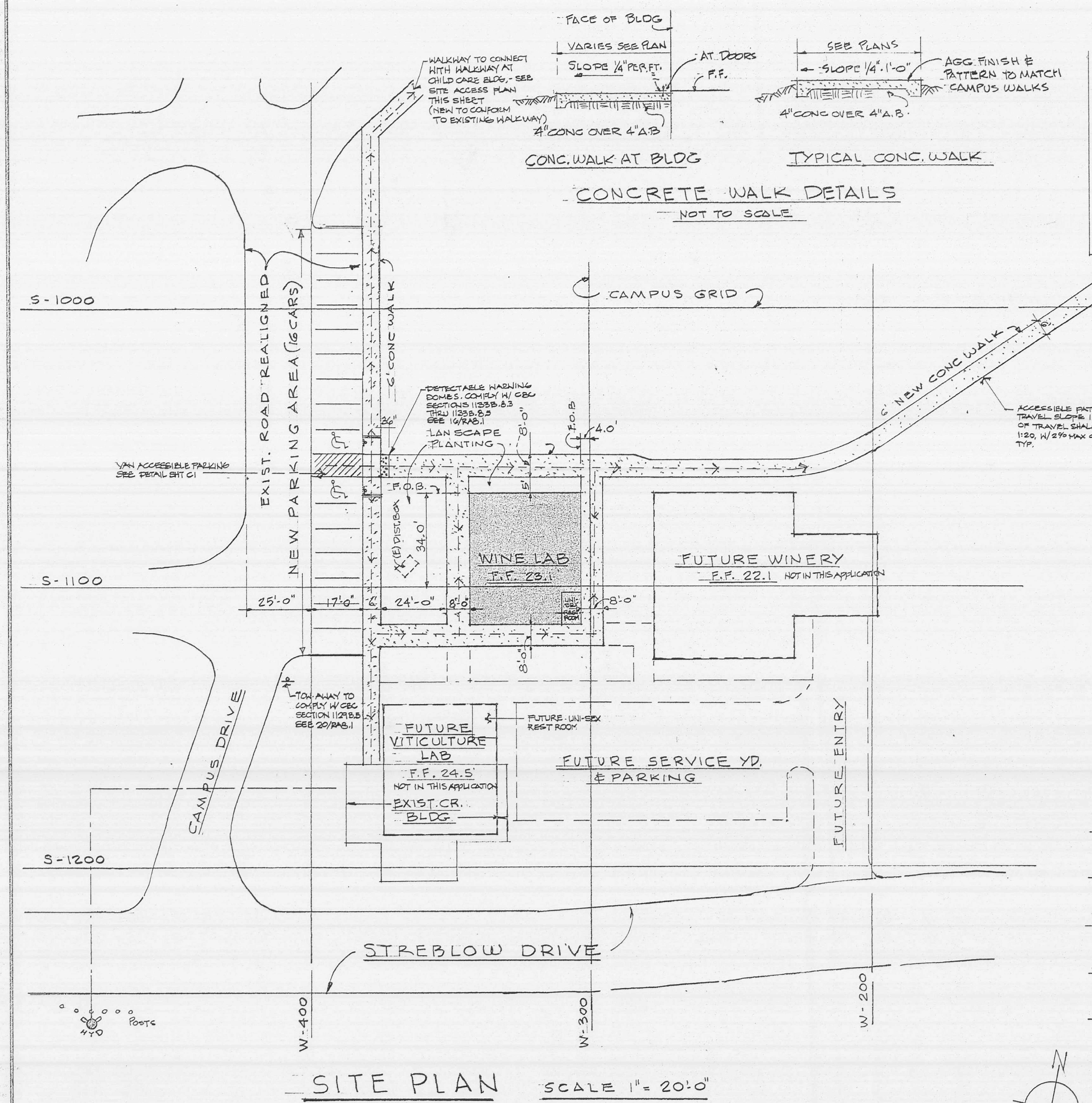
NAPA VALLEY COLLEGE WINE LAB
2277 NAPA-VALLEJO HWY, NAPA, CA 94558

COVER SHEET

DATE: 6-14-99
A+E PM: XO
DRAWN BY: RDN
JOB: 99-477
MODS: (4) 12x40

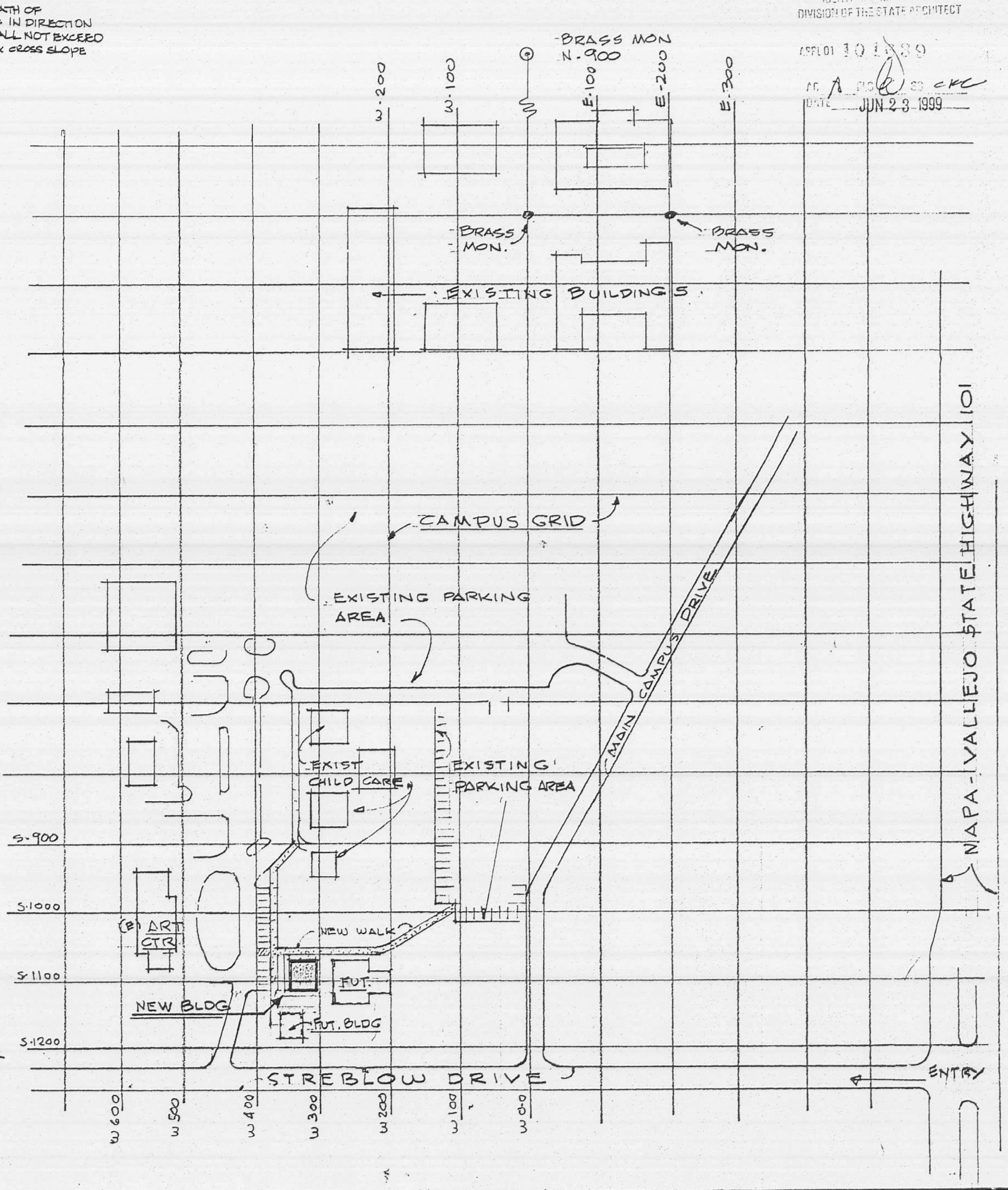
A0

Full bid Set



SITE PLAN SCALE 1" = 20'-0"

- - -> ACCESSIBLE PATH OF TRAVEL, SLOPE IN DIRECTION OF TRAVEL SHALL NOT EXCEED 1:20 W/ 2% MAX. CROSS, TYP. PATH OF TRAVEL AS INDICATED IS A BARRIER FREE ACCESS W/O ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" AT 1:12 MAXIMUM SLOPE EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. ARCHITECT SHALL VERIFY THAT ALL BARRIERS IN PATH OF TRAVEL HAVE BEEN REMOVED PER SECTION 1073.



SITE ACCESS PLAN
SCALE - 1" = 60'-0"

- ACCESS ROADS & GATED ENTRANCES ARE AS PER TITLE 19, CALIFORNIA CODE OF REGULATIONS SUBCHAPTER 1, ARTICLE 3.05 (ACCESS ROADS) AND ARTICLE 3.16 (GATE ENTRANCES TO SCHOOLS SITES.
- FIRE FLOW, FIRE HYDRANT LOCATION AND DISTRIBUTION ARE AS PER CALIFORNIA FIRE CODE, APPENDIX III-AA (FIRE FLOW) AND APPENDIX III-BB. (FIRE HYDRANT LOCATION AND DISTRIBUTION NOTED APPENDICES ARE FROM 1991 U.F.C. WITH CALIFORNIA AMENDMENTS)

WINE LAB ONLY NOT FUTURE BUILDINGS SHOWN

LOCAL FIRE AUTHORITY: City of Napa
ADDRESS: 1600 First St
CITY/STATE/ZIP: NAPA, CA
APPROVAL ISSUED BY: [signature]
RANK/TITLE: CAPTAIN
PHONE NUMBER: (707) 257-9590 DATE: 5-21-99

OWNER'S RECORD DOCUMENT - FOR REFERENCE ONLY

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT
JUN 2 3 1999

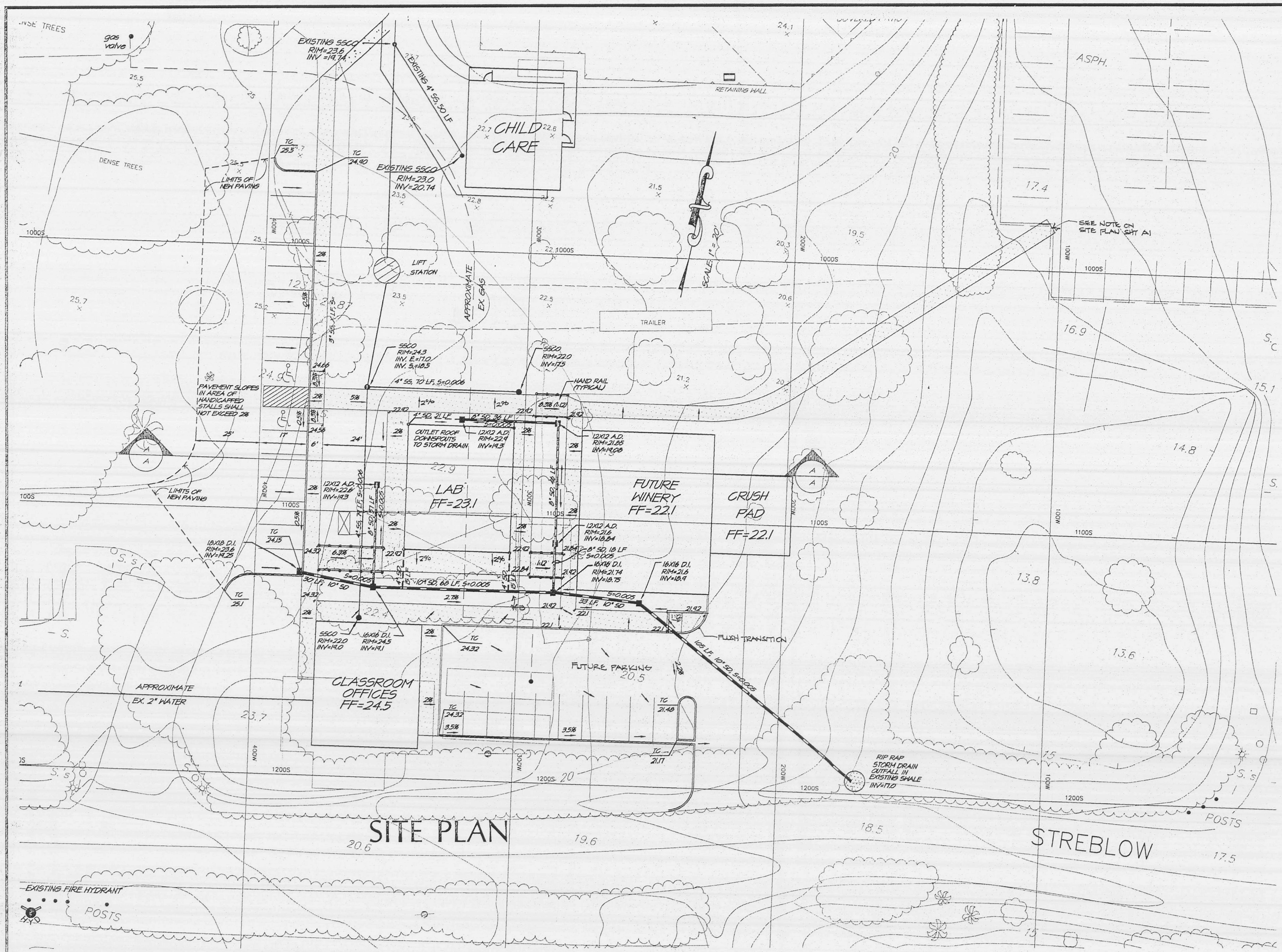
GV CUSTOM MODULAR CONSTRUCTION, INC.
160 GRANT AVENUE, HEALDSBURG, CA 95448 USA
PO BOX 1805 COMMERCIAL LIC.#2852884
PHONE: 707/431-2236 FAX: 707/431-7338
E-MAIL: arch@gvcm.com WEB: http://www.gvcm.com

NAPA VALLEY COLLEGE WINE LAB

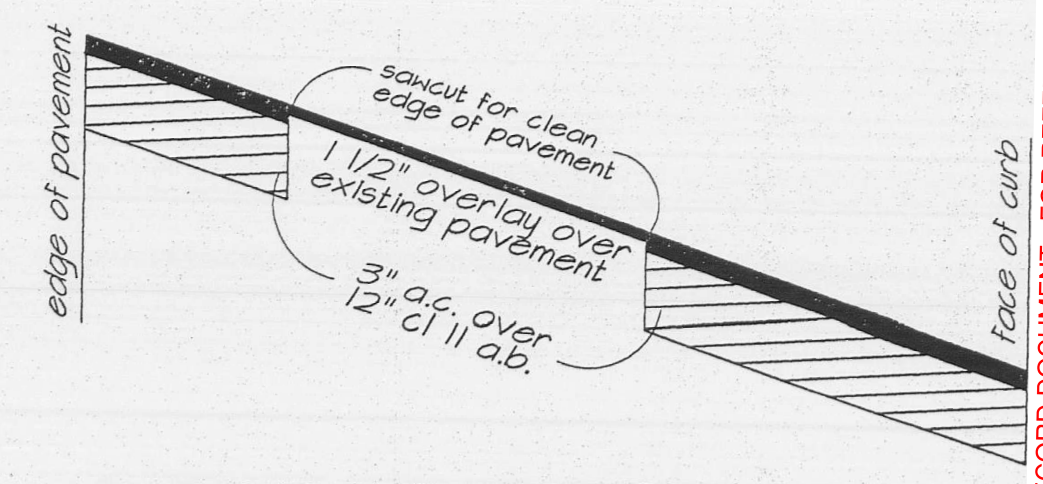
2277 NAPA-VALLEJO HWY, NAPA, CA 94558

DONALD S. MACKY, A.I.A. ARCHITECT
1835 CLAY STREET
NAPA, CALIFORNIA 94558
CERTIFICATE NO. C 751
LICENSED ARCHITECT DONALD S. MACKY No. C751 REN. 1/30/99 STATE OF CALIFORNIA

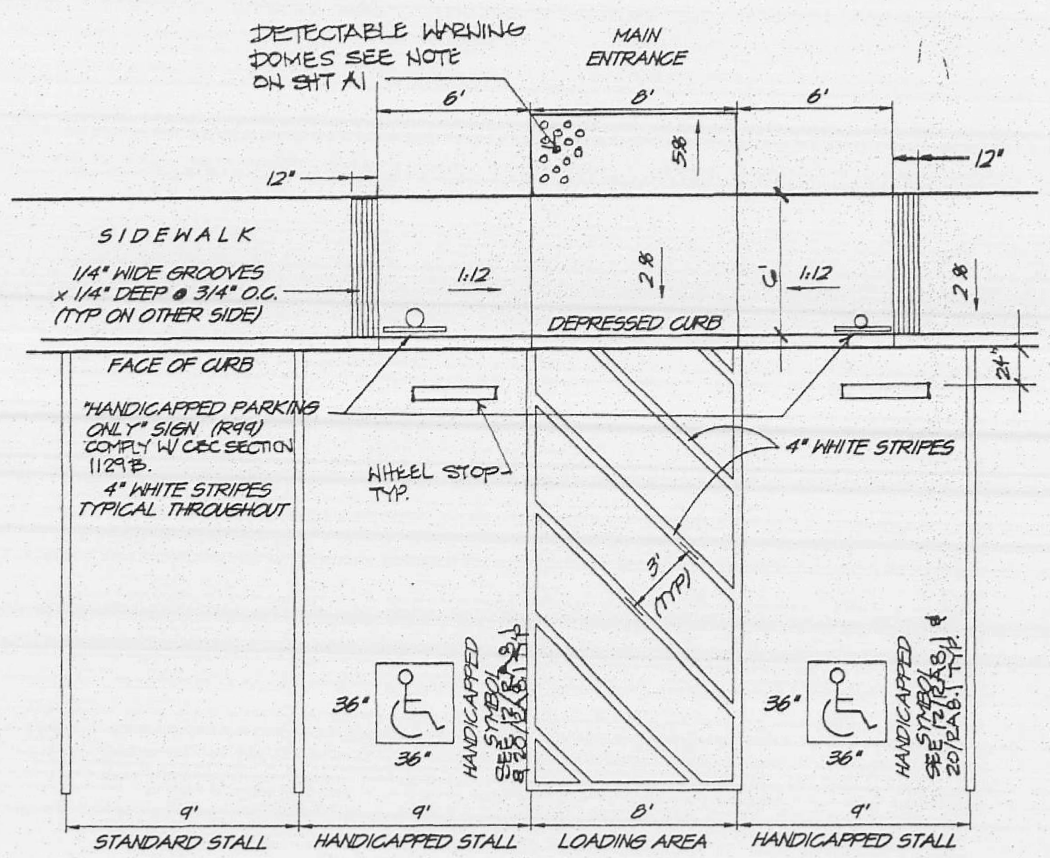
DATE:
JOB: 99-477
MODS (4) 12x40
A1



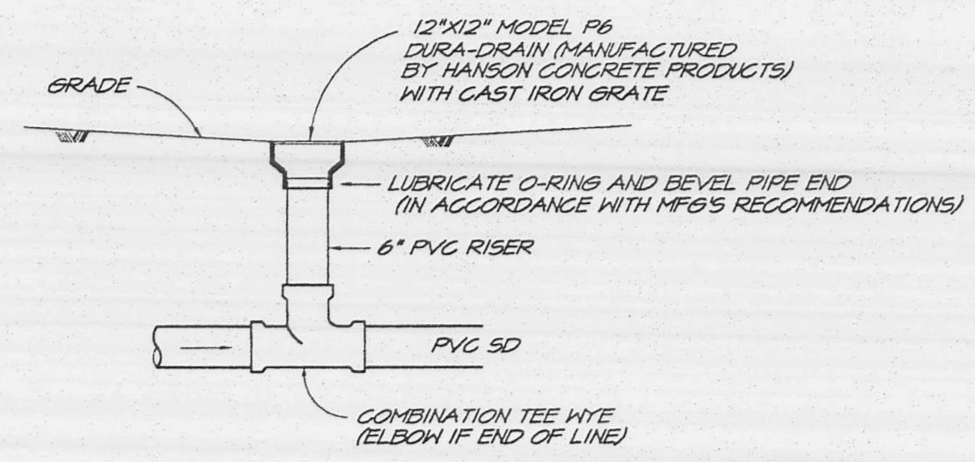
SITE PLAN



TYPICAL AC SECTION OVER EXISTING DRIVE

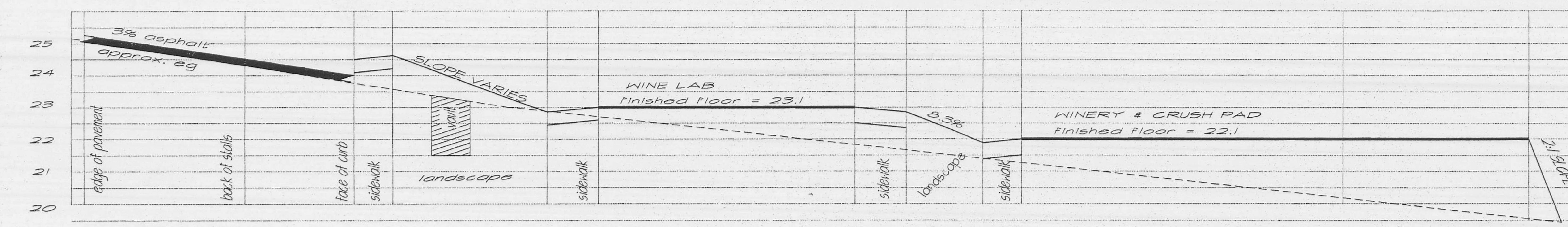


HANDICAPPED PARKING DETAIL



AREA DRAIN DETAIL

NO SCALE



SECTION A-A

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

APPL 01 101639

AC A FLS SS
DATE JUN 23 1999

REGISTERED PROFESSIONAL ENGINEER
ALAN RICHARD SPENCE
No. 41132
Exp. 3-31-02
CIVIL ENGINEER
STATE OF CALIFORNIA

LICENSED ARCHITECT
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

ALAN R. SPENCE RCE 41132 EXP 3-31-02

NO.	DATE	REVISIONS	BY	APPD

RIECHERS SPENCE & ASSOCIATES
INCORPORATED
CONSULTING CIVIL ENGINEERS
1541 THIRD STREET • NAPA, CALIFORNIA 94559 • (707) 252-3301

TOPOGRAPHIC MAP
NAPA VALLEY COLLEGE WINE LAB
NAPA CALIFORNIA

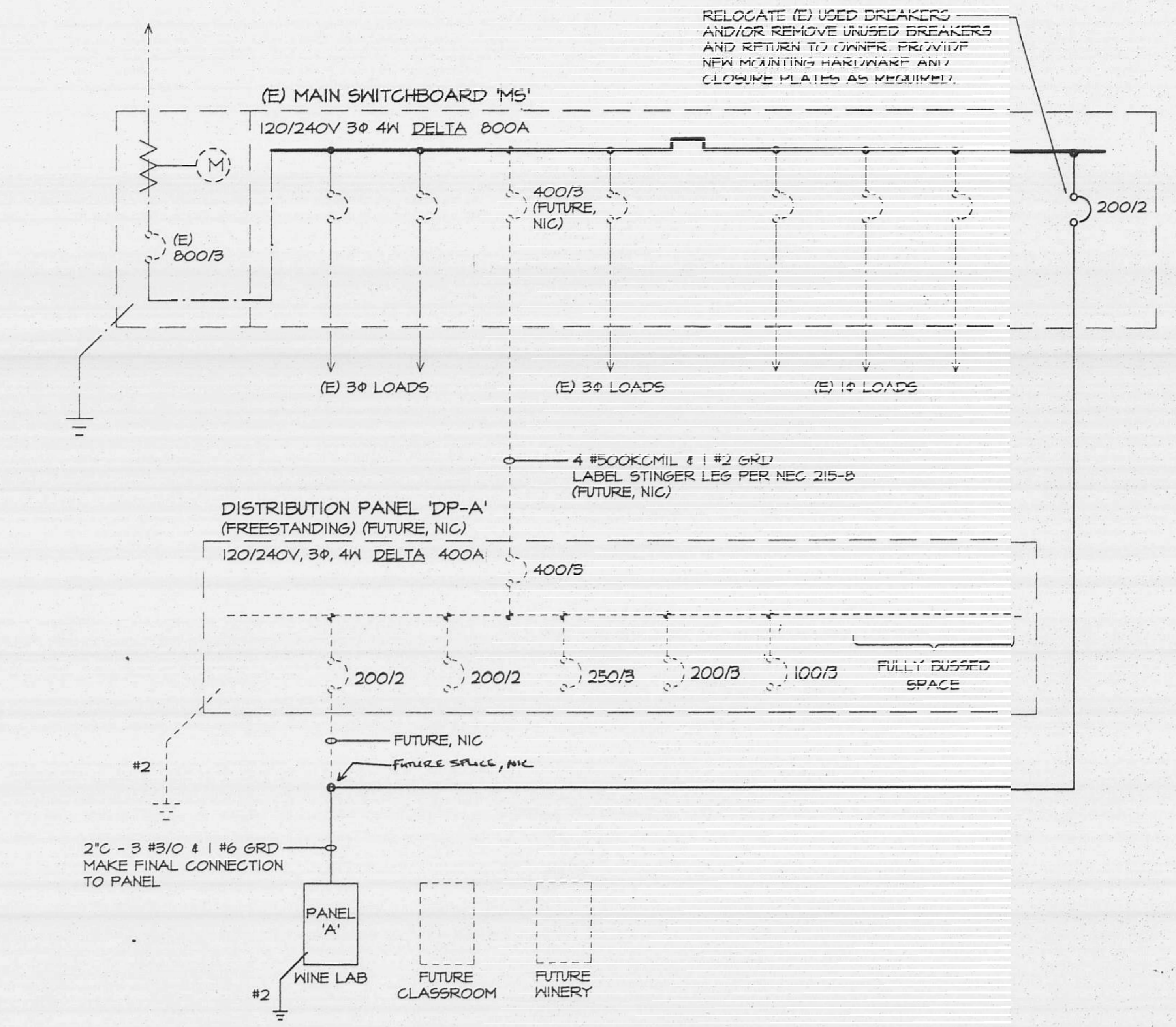
DATE:	5/4/99
SCALE	1" = 20'
DESIGN	KCO
CADFILE:	WINETOPO
JOB NO.	
SHEET NO.	C1

ELECTRICAL SYMBOLS LIST

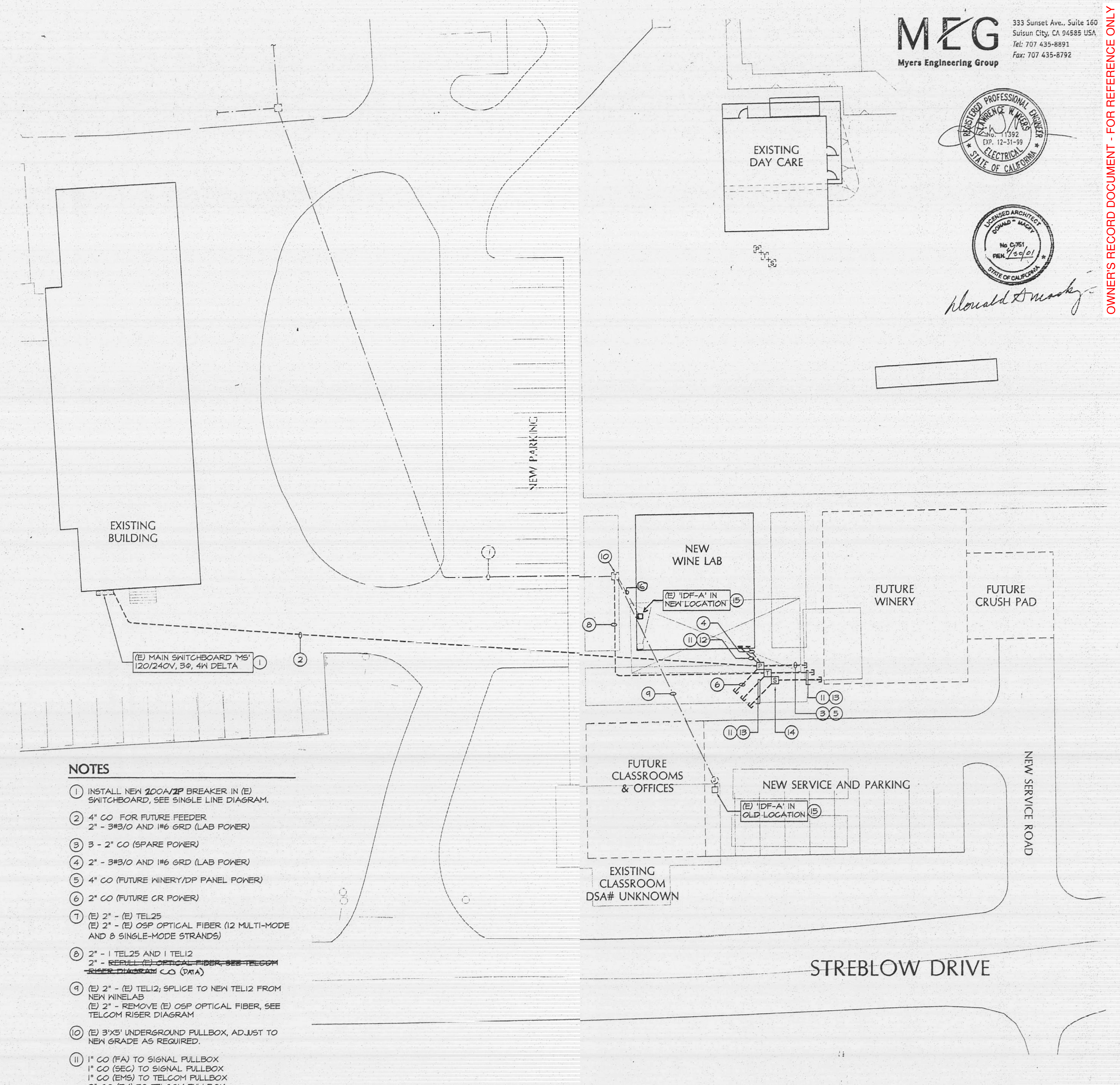
NOTE: ALL OF THESE SYMBOLS MAY NOT NECESSARILY APPEAR ON THE DRAWINGS
DASHED LINETYPE INDICATES EXISTING DEVICE OR EQUIPMENT

- MAIN SWITCHBOARD
- DISTRIBUTION PANELBOARD
- BRANCH CIRCUIT PANELBOARD
- TERMINAL CABINET OR CONTROL PANEL
- FIRE ALARM CONTROL PANEL
- MAIN OR INTERMEDIATE DISTRIBUTION FRAME
- PULLBOX
- TRANSFORMER
- CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL
- CONDUIT RUN CONCEALED BENEATH FLOOR OR UNDERGROUND
- EXISTING CONDUIT RUN
- CONDUIT HOME RUN TO PANEL OR TERMINAL BOARD
- FLEXIBLE CONDUIT EQUIPMENT CONNECTION
- WIRE NOTE: ALL BRANCH CIRCUIT RUNS SHALL BE A MIN. OF 1/2" C, WITH #12 WIRE UON. NUMBER OF TICS INDICATE QUANTITY OF WIRES OR CABLES AS SHOWN. (-///- = 1/2" C, 3#12; -/- #10 = 1/2"C, 2#10).
- CONDUIT STUBBED (PROVIDE CAP OR BUSHING AS DESIGNATED)
- DUPLEX RECEPTACLE, 20A 2P 3W 125V GROUNDING, +18" UON
- JUNCTION BOX (SIZE AS REQUIRED BY CODE UON)
- DISCONNECT SWITCH (FUSED UON)
- 1/E1.1 DETAIL TAG: DETAIL #1, SHEET E1.1
- GROUNDING ELECTRODE OR CONNECTION

F	FIRE ALARM MANUAL PULL STATION +48" AFF UON
30cd	FIRE ALARM VISUAL STROBE LIGHT MIN. 6" BELOW CLG. (NUMBER INDICATES CANDELA RATING, 15 U.O.N.)
F M	FIRE ALARM AUDIBLE HORN MIN. 6" BELOW CLG., 90" MAXIMUM UON; "M" INDICATES MINI-HORN
30cd	FIRE ALARM COMBINATION HORN STROBE +96" AFF UON (NUMBER INDICATES CANDELA RATING, 15 U.O.N.)
SD	FIRE ALARM SMOKE DETECTOR
12	ROOM NUMBER, SEE ARCHITECTURAL DRAWINGS
2	NUMBERED NOTE
AFF	ABOVE FINISHED FLOOR (TO CENTER LINE)
AFG	ABOVE FINISHED GRADE (TO CENTER LINE)
CO	CONDUIT ONLY (PROVIDE PULL-LINE)
EOL	END OF LINE
EMS	ENERGY MANAGEMENT SYSTEM
(E)	EXISTING
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
GRD	GROUND
IDF	INTERMEDIATE DISTRIBUTION FRAME
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
TYP.	TYPICAL
UON	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF



SINGLE LINE DIAGRAM



NOTES

1. INSTALL NEW 200A/2P BREAKER IN (E) SWITCHBOARD, SEE SINGLE LINE DIAGRAM.
2. 4" CO FOR FUTURE FEEDER
   2" - 3#3/0 AND 1#6 GRD (LAB POWER)
3. 3 - 2" CO (SPARE POWER)
4. 2" - 3#3/0 AND 1#6 GRD (LAB POWER)
5. 4" CO (FUTURE WINERY/DP PANEL POWER)
6. 2" CO (FUTURE CR POWER)
7. (E) 2" - (E) TEL25
   (E) 2" - (E) OSP OPTICAL FIBER (12 MULTI-MODE AND 8 SINGLE-MODE STRANDS)
8. 2" - 1 TEL25 AND 1 TEL12
   2" - ~~REPULL (E) OPTICAL FIBER, SEE TELCOM RISER DIAGRAM~~ CO (DATA)
9. (E) 2" - (E) TEL12; SPLICE TO NEW TEL12 FROM NEW WINELAB
   (E) 2" - REMOVE (E) OSP OPTICAL FIBER, SEE TELCOM RISER DIAGRAM
10. (E) 3'X5' UNDERGROUND PULLBOX, ADJUST TO NEW GRADE AS REQUIRED.
11. 1" CO (FA) TO SIGNAL PULLBOX
    1" CO (SEC) TO SIGNAL PULLBOX
    1" CO (EMS) TO TELCOM PULLBOX
    2" CO (TV) TO TELCOM PULLBOX
12. 2" - 1 TEL25 AND 1 TEL12
    2" - ~~REPULL (E) OPTICAL FIBER, SEE TELCOM RISER DIAGRAM~~ CO (TEL/DATA)
    2" CO (FUTURE TEL/DATA)
13. 2" CO (DATA) TO TELCOM PULLBOX
    2" CO (TEL) TO TELCOM PULLBOX
14. CHRISTY #N40 - 120/240V POWER
    CHRISTY #N40 - TELCOM (TEL/DATA/TV/EMS)
    CHRISTY #N16 - SIGNAL (FA/SEC)
15. REMOVE (E) IDF RACK AND RELOCATE TO NEW BUILDING, SEE TELCOM RISER DIAGRAM
16. 1½" - REPULL (E) OPTICAL FIBER, SEE TELCOM RISER DIAGRAM.

NEW WINE LAB ELECTRICAL SITE PLAN

SCALE: 1" = 20'

MEG Myers Engineering Group
333 Sunset Ave., Suite 160
Suisun City, CA 94585 USA
Tel: 707 435-8891
Fax: 707 435-8792

REGISTERED PROFESSIONAL ENGINEER — LAWRENCE W. MYERS — No. E 11392 — EXP. 12-31-99 — ELECTRICAL — STATE OF CALIFORNIA

LICENSED ARCHITECT — DONALD D. MACKY — No. C-7151 — REN. 9/30/01 — STATE OF CALIFORNIA

GV CUSTOM MODULAR CONSTRUCTION, INC.

NAPA COLLEGE WINE LAB
NAPA VALLEY COLLEGE
NAPA, CALIFORNIA

ELECTRICAL SITE PLAN, SYMBOLS LIST AND SINGLE LINE DIAGRAM

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPL 01 101639
AC A FLS SS
DATE JUN 23 1999

DATE:	6/15/99
SCALE:	1" = 20'
DRAWN:	HW
JOB:	99032
SHEET:	E-1

FIRE ALARM SYSTEM NOTES

THESE DRAWINGS ARE DESIGNED AROUND THE SPECIFIED MANUFACTURERS' EQUIPMENT. IF ANOTHER MANUFACTURER IS PROPOSED FOR USE, THEN THE INSTALLATION SHALL NOT BE STARTED UNTIL THE ENGINEER HAS REVIEWED AND APPROVED THE SUBSTITUTIONS AND A CHANGE ORDER IS PROCESSED THROUGH DSA.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE LOCAL FIRE AUTHORITY AND THE DSA INSPECTOR OF RECORD. THE CONTRACTOR SHALL ALSO SUBMIT A CERTIFICATE OF COMPLETION PER NFPA 72 SECTION 1-7.2.1 AND FIGURE 1-7.2.1.

CONDUCTORS IN WET LOCATIONS SHALL BE OF AN APPROVED TYPE IN ACCORDANCE WITH 3-310-8(B), TITLE 24 CEC (I.E., THHW OR THWN).

EXTERIOR AND UNDERGROUND CONDUITS SHALL HAVE WEATHERTIGHT COUPLINGS AND CONNECTIONS.

THE AUDIBLE SIGNAL PRODUCED BY THE FIRE ALARM SYSTEM CONTROL PANEL OR CONTROL MODULES SHALL BE THE CALIFORNIA UNIFORM FIRE SIGNAL IN TEMPORAL MODE.

NON-ADDRESSABLE INITIATING DEVICES SHALL BE ZONED BY FLOOR AND WING AS ACCEPTABLE TO DSA.

WHERE AN ANNUNCIATOR IS INDICATED ON THE DRAWINGS, THE LOCAL FIRE AUTHORITY SHALL APPROVE ITS LOCATION. VERIFY ACCEPTANCE WITH STAMPED SITE PLAN.

ALL DEVICES SHALL BE CSFM LISTED. EXTERIOR DEVICES SHALL BE CSFM LISTED FOR EXTERIOR USE.

MANUAL PULL STATIONS SHALL BE INSTALLED AT +48" AFF TO THE CENTERLINE OF THE DEVICE.

MANUAL PULL STATIONS ARE SPACED AT A MAXIMUM OF 200 FEET OF TRAVEL DISTANCE APART AND ARE IN THE DIRECTION OF EGRESS.

STROBES ARE INCLUDED IN THE FOLLOWING REQUIRED AREAS: LOBBIES AND CORRIDORS, CONFERENCE ROOMS, RESTROOMS, MUSIC PRACTICE AND BAND ROOMS, GYMNASIUMS AND MULTIUSE ROOMS, OCCUPATIONAL SHOPS AND WHERE AMBIENT NOISE IMPAIRS THE AUDIBLE FIRE ALARM (I.E., KITCHENS).

WHERE REQUIRED BY CODE, ANY HVAC FANS IN EXCESS OF 2,000 CFM SHALL BE SHUT OFF UPON DETECTION OF SMOKE IN RETURN AIR DUCTS.

THIS FIRE ALARM SYSTEM DESIGN MEETS THE ADA REQUIREMENTS, INCLUDING INSTALLED HEIGHT OF STROBES AT 96" AFF AND EQUIVALENT FACILITATION OF VISUAL STROBE APPLIANCES (ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES - 1994, SECTION 2.2, EQUIVALENT FACILITATION).

~~STROBES SHALL FLASH AT 1Hz MINIMUM AND 3Hz MAXIMUM~~ {3 FLASHES PER SECOND NOT LESS THAN ONE FLASH EVERY SECOND}.

AUDIBLE FIRE ALARM SOUND LEVEL SHALL BE AT LEAST 15 dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL AT ALL OCCUPIABLE AREAS, ~~BUT NOT LESS THAN 75 dBA AT 10 FEET OR MORE THAN 130 dBA IN TOTAL THROUGHOUT~~.

SYSTEM DESCRIPTION: MANUAL, CLASS B, NON-ADDRESSABLE SYSTEM WITH EXTERIOR HORNS, INTERIOR PULL STATIONS AND STROBES AS REQUIRED. SYSTEM INCLUDES STANDALONE PANEL FOR ONE NEW AND TWO FUTURE BUILDINGS.

FIRE ALARM SYSTEM OPERATION MATRIX

	ANNUNCIATE ALARM CONDITION AT FACP*	ANNUNCIATE TROUBLE CONDITION AT FACP*	STROBES THROUGHOUT ENTIRE BUILDING (AND CAMPUS)	CORRESPONDING HVAC UNIT (>2,000 CFM AS REQUIRED BY CODE)	VALVE SUPERVISION	
MANUAL PULL STATION	X		X			
DUCT SMOKE DETECTOR	X		X	X		
ROOM SMOKE DETECTOR	X		X			
WIRING DERANGEMENT		X				
RXP DERANGEMENT		X				
SYSTEM TROUBLE		X				
SPRINKLER FLOW SWITCH						NA
SPRINKLER TAMPER SWITCH						NA

*ALSO AT THE ANNUNCIATOR WHERE INCLUDED

NOTE: NOT ALL OF THE ABOVE DEVICES NECESSARILY APPEAR ON THE DRAWINGS; SEE THE FIRE ALARM RISER DIAGRAM

SEQUENCE OF EVENTS NOTES

ACTIVATION OF AN INTIATING DEVICE (SMOKE OR HEAT DETECTOR, MANUAL PULL STATION OR ANSUL FIRE SUPPRESSION SYSTEM WILL RESULT IN THE FOLLOWING: SOUNDING OF HORNS, FLASHING OF STROBES AND RELEASE OF MAGNETICALLY-HELD DOORS.

UPON ALARM CONDITION, A RUNNER SHALL NOTIFY THE OFFICE OF THE ALARM AND AUTHORIZED SCHOOL PERSONNEL SHALL NOTIFY THE FIRE DEPARTMENT.

THE AUDIBLE AND VISUAL ALARM SIGNALS CAN BE SILENCED BY ACKNOWLEDGEMENT AT THE FIRE ALARM PANEL (AND ANNUNCIATOR IF INCLUDED). A SUBSEQUENT ALARM INITIATION AFTER ACKNOWLEDGEMENT WILL CAUSE THE PANEL TO REVERT TO THE ALARM CONDITION.

SYSTEM OR WIRING DERANGEMENT WILL RESULT IN A VISUAL AND AUDIBLE TROUBLE SIGNAL AT THE FIRE ALARM CONTROL PANEL (AND ANNUNCIATOR IF INCLUDED). THE AUDIBLE ALARM CAN BE SILENCED BY THE TROUBLE ACKNOWLEDGEMENT, BUT THE VISUAL INDICATION WILL REMAIN.

AFTER SYSTEM ALARM OR TROUBLE CONDITIONS HAVE BEEN CORRECTED, THE SYSTEM MUST BE RESET AT THE CONTROL PANEL TO CLEAR THE VISUAL INDICATIONS ON THE FACE OF THE PANEL (AND ANNUNCIATOR).

FIRE ALARM SYSTEM COMPONENTS
NAPA VALLEY COLLEGE WINELAB

ITEM	MANUFACTURER	MODEL #	CSFM #	CSFM EXPIRATION
FIRE ALARM CONTROL PANEL 'FACP'	FIRELITE	MS4442B	7165-0075:161	June-30-1999
LED INTERFACE MODULE - REQ'D FOR ANNUNCIATOR	FIRELITE	4XLMF	7165-0075:161	June-30-1999
FIRE ALARM ANNUNCIATOR	FIRELITE	RZA-4XF	7120-0075:171	June-30-1999
NON-ADDRESSABLE MANUAL PULL STATION	FIRELITE	BG-10	7150-0075:103	June-30-1999
NON-ADDRESSABLE PHOTOELEC SMOKE DETECTOR	SYSTEM SENSOR	2151	7272-1209:159	June-30-1999
CEILING DETECTOR BASE	SYSTEM SENSOR	B110LP	7300-1209:128	June-30-1999
AUDIBLE HORN (WEATHER-PROOF)*	WHEELOCK	AH-24WP-R	7125-0785:131	June-30-1999
AUDIBLE MINI-HORN (INDOOR)*	WHEELOCK	NH-12/24R	7125-0785:115	June-30-1999
VISUAL STROBE - 15cd	WHEELOCK	RSS-2415-VFR	7125-0785:133	June-30-1999
SINGLE CIRCUIT SYNCHRONIZED MODULE	WHEELOCK	SM-12/24	7300-0785:132	June-30-1999

* HORNS PRODUCE THE AUDIBLE TEMPORAL PATTERN (CALIFORNIA UNIFORM FIRE SIGNAL).

NON-ADDRESSABLE PHOTO DUCT DETECTOR	SYSTEM SENSOR	DH400P	3240-1209:155	JUNE-30-1999
NON-ADDRESSABLE PHOTOELEC SMOKE DETECTOR	SYSTEM SENSOR	2451	7272-1209:131	JUNE-30-1999

FIRE ALARM SYSTEM VOLTAGE DROP AND BATTERY CALCULATIONS

FACP - SIGNAL CIRCUIT# 1								
device #	S1-0	S1-1	S1-2	S1-3	S1-4			
device type	SM-str	15 str	15 str	minihorn	horn			
wire size (AWG)	#14	#14	#14	#14	#14			
distance to device(ft)	5	15	35	30	5			
amps developed (mA)	153	153	99	45	24			
total % voltage drop	0.02%	0.07%	0.14%	0.17%	0.18%			

FACP - SIGNAL CIRCUIT# 2								
device #	S2-0							
device type	SM-hn							
wire size (AWG)	#14							
distance to device(ft)	5							
amps developed (mA)	25							
total % voltage drop	0.00%							

VOLTAGE DROP REFERENCE DATA

% VOLTS DROP = (2 x L x I x R / 24) x 100

where L = one-way circuit length (ft)
I = current (amps)
R = conductor resistance (ohms/ft)
R = K/CM (K=10.8, CM = circ mils)

WIRE RESISTANCE

AWG	CM	OHMS/1000ft
#10	10380	1.04
#12	6530	1.65
#14	4110	2.63

DEVICE CURRENTS

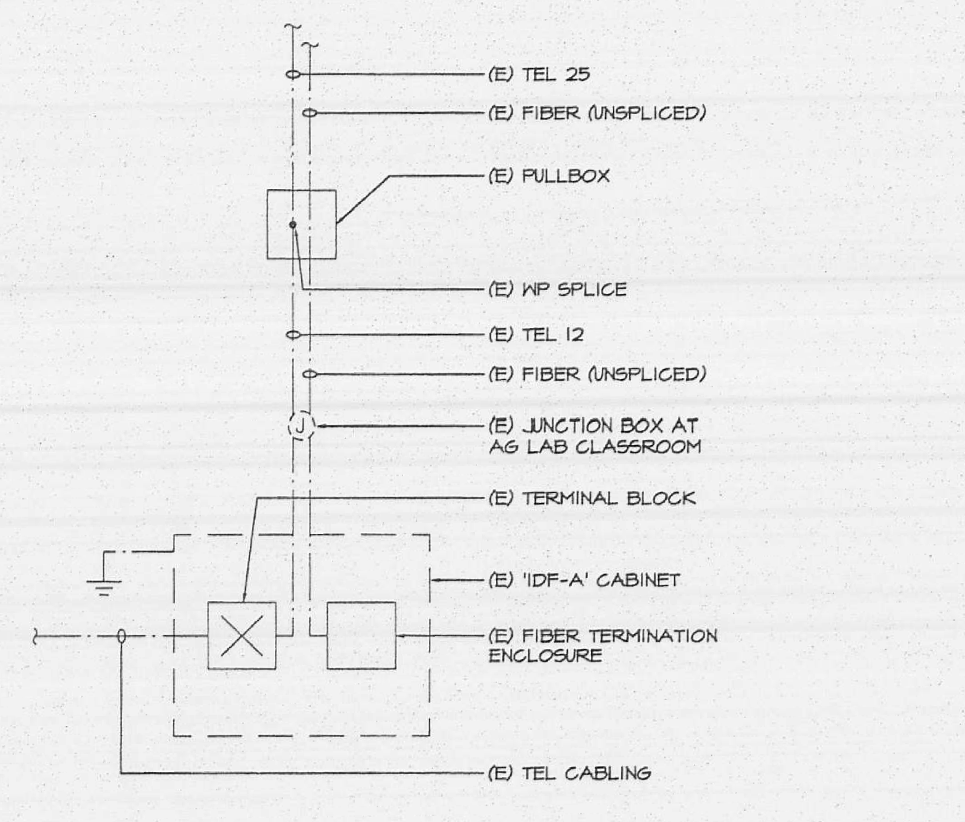
DEVICE	TAG	AMPS	MIN V	QUANT
horns:	horn	0.024	20V	1
	minihorn	0.021	20V	1
strobes:	15 str	0.054	20V	2
combi horns and strobes:				
sync. modules	SM-hn	0.025	20V	
	SM-str	0.000	20V	

NOTE: DEVICE QUANTITIES AND CIRCUIT LENGTHS SHOWN FOR DSA PLANCHECK PURPOSES ONLY; VERIFY WITH SITEPLANS, FLOORPLANS AND FIELD CONDITIONS.

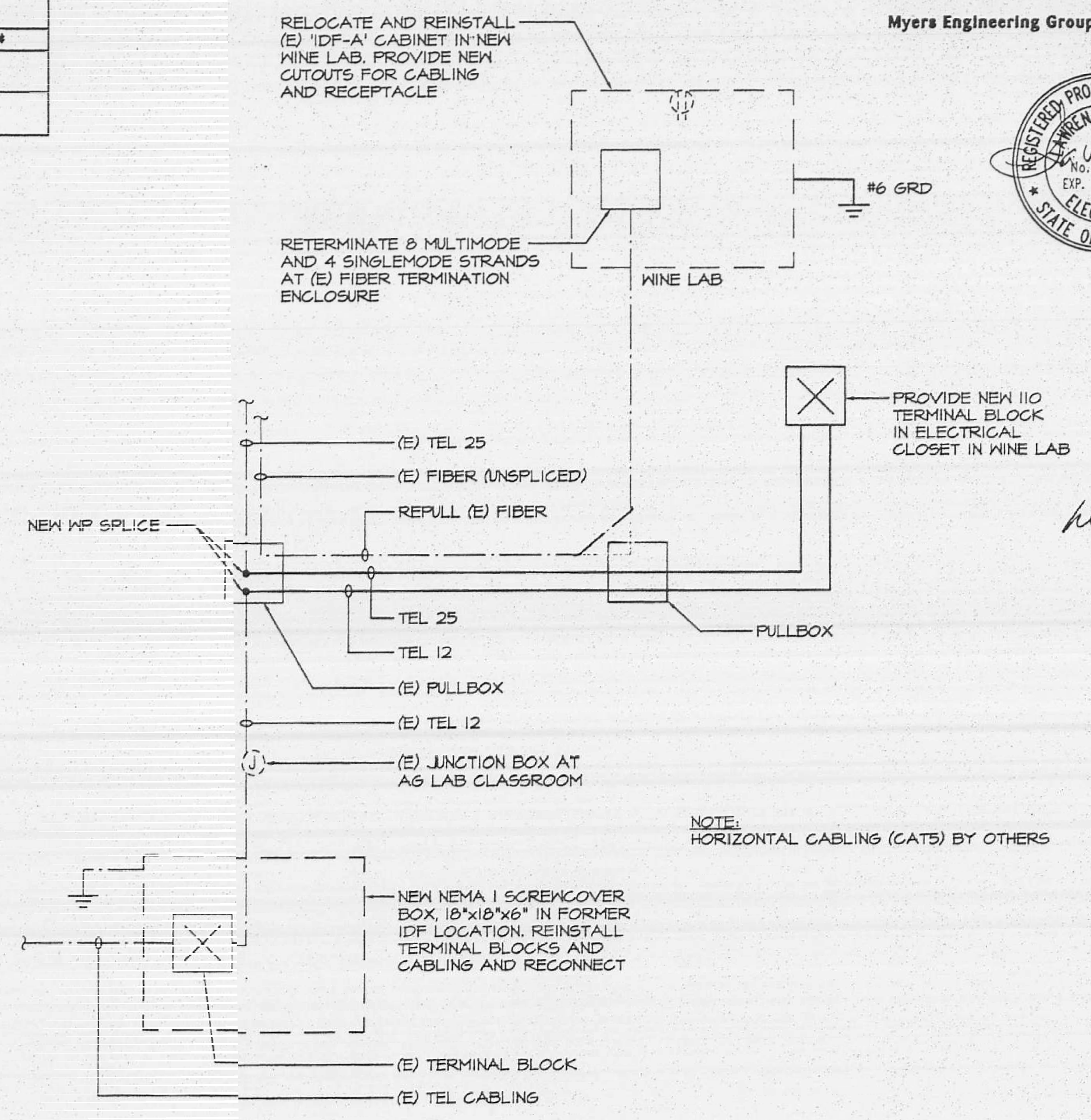
STANDBY BATTERY CALCULATIONS					
	FACP				
TOTAL STANDBY CURRENT (mA)	150				
STANDBY CURRENT x 24 HOURS (A-H)	3.60				
NOTIFICATION APPLIANCES ALARM CURRENT (mA)	178				
PANEL ALARM CURRENT (mA)	175				
TOTAL ALARM CURRENT x 5 MINUTES (A-H)	0.03				
SUBTOTAL AMP-HOURS	3.63				
20% BATTERY DERATING FACTOR (A-H)	+0.73				
TOTAL REQUIRED AMP-HOURS	4.36				
PROVIDE	**7.0 AH**				

CABLE TYPES

TAG	DESCRIPTION	MFR.	MODEL #
TEL12	12 UNSHIELDED TWISTED PAIRS UNDERGROUND	GENERAL CABLE	7527120
TEL25	25 UNSHIELDED TWISTED PAIRS UNDERGROUND	GENERAL CABLE	7527138



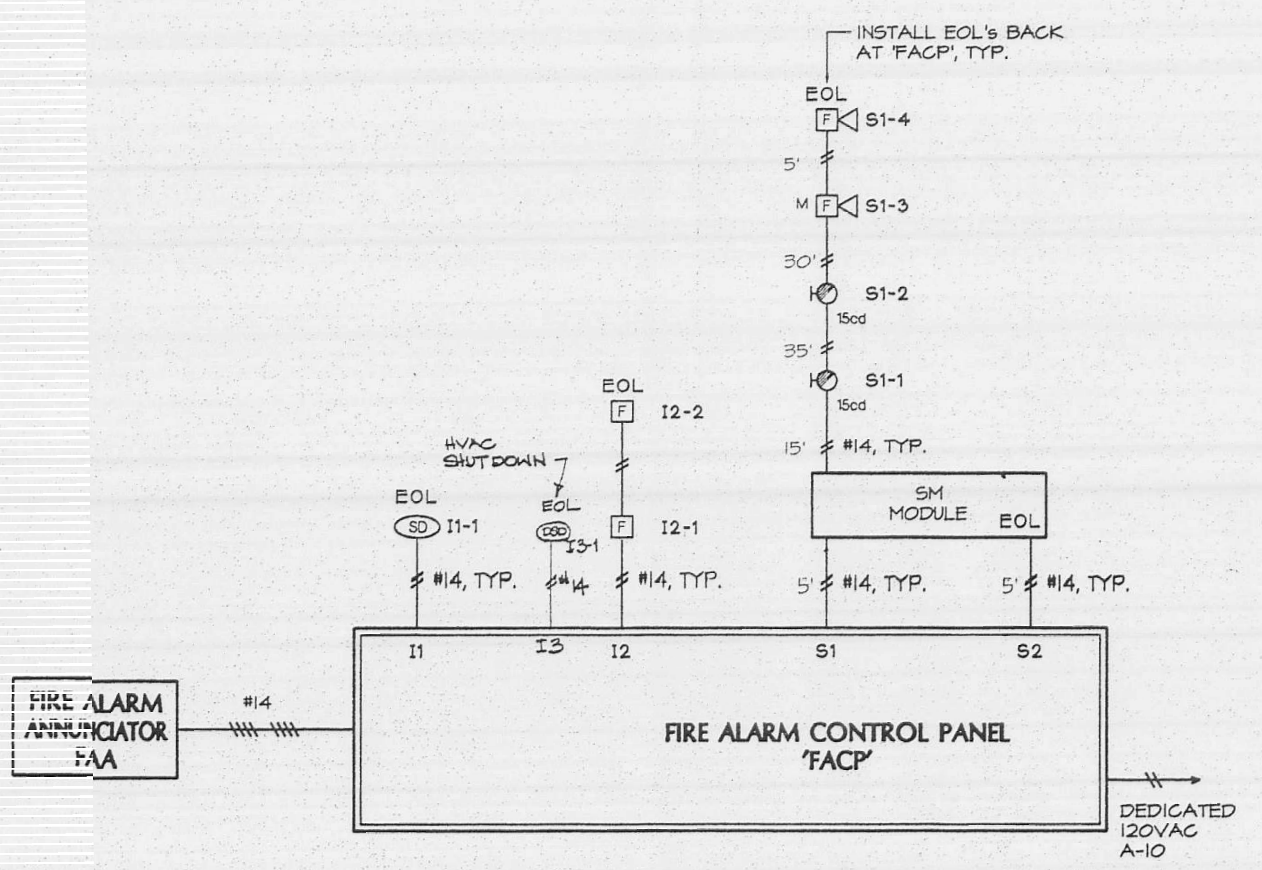
TELCOM RISER - EXISTING ARRANGEMENT
NOT TO SCALE



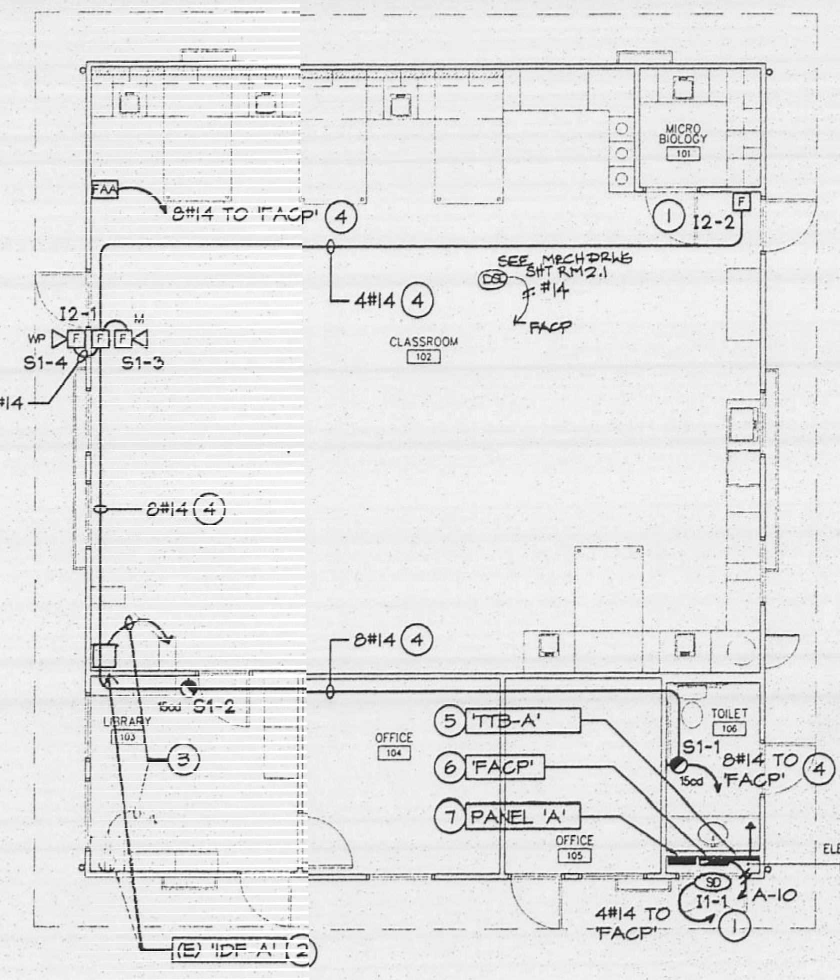
TELCOM RISER - NEW ARRANGEMENT
NOT TO SCALE

NOTES

1. INSTALL END-OF-LINE (EOL) RESISTORS AT FIRE ALARM CONTROL PANEL TO ALLOW EASE IN EXTENSION OF CIRCUITS TO FUTURE BUILDINGS.
2. RELOCATE (E) IDF-A CABINET TO NEW LOCATION. FLUSH RECEPTACLE IS INSTALLED BY MODULAR BUILDER.
3. CONDUIT BY MODULAR BUILDER; OPTICAL FIBER AND TELEPHONE CABLING BY SITE ELECTRICAL CONTRACTOR, SEE TELCOM RISER DIAGRAM.
4. INSTALL WIRING IN CONDUIT AND BOXES PROVIDED BY MODULAR BUILDER.
5. 26"W x 72"H x 1/2"D PLYWOOD BACKBOARD BY MODULAR BUILDER.
6. INSTALL FIRE ALARM PANEL AND CONNECT TO DEDICATED CIRCUIT SHOWN.
7. PANELBOARD PROVIDED AND INSTALLED BY MODULAR BUILDER. MAKE FINAL CONNECTIONS OF FEEDER CONDUIT AND WIRING TO PANELBOARD.



FIRE ALARM RISER DIAGRAM
NOT TO SCALE



NEW WINE LAB ELECTRICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

MEG
Myers Engineering Group
333 Sunset Ave., Suite 160
Suisun City, CA 94585 USA
Tel: 707 435-8891
Fax: 707 435-8792

REGISTERED PROFESSIONAL ENGINEER LAWRENCE W. MYERS No. 11392 EXP. 12-31-99 ELECTRICAL STATE OF CALIFORNIA

LICENSED ARCHITECT DONALD MACKY No. C751 REN. 6/30/01 STATE OF CALIFORNIA

GV CUSTOM MODULAR CONSTRUCTION, INC.
180 GRANT AVENUE, HEALDSBURG, CA 95448 USA
PO BOX 1905 COMMERCIAL LIC.#2852884
PHONE: 707/431-2266 FAX: 707/431-7338
E-MAIL: [illegible] WEB: http://www.gvcm.com

NAPA COLLEGE WINE LAB

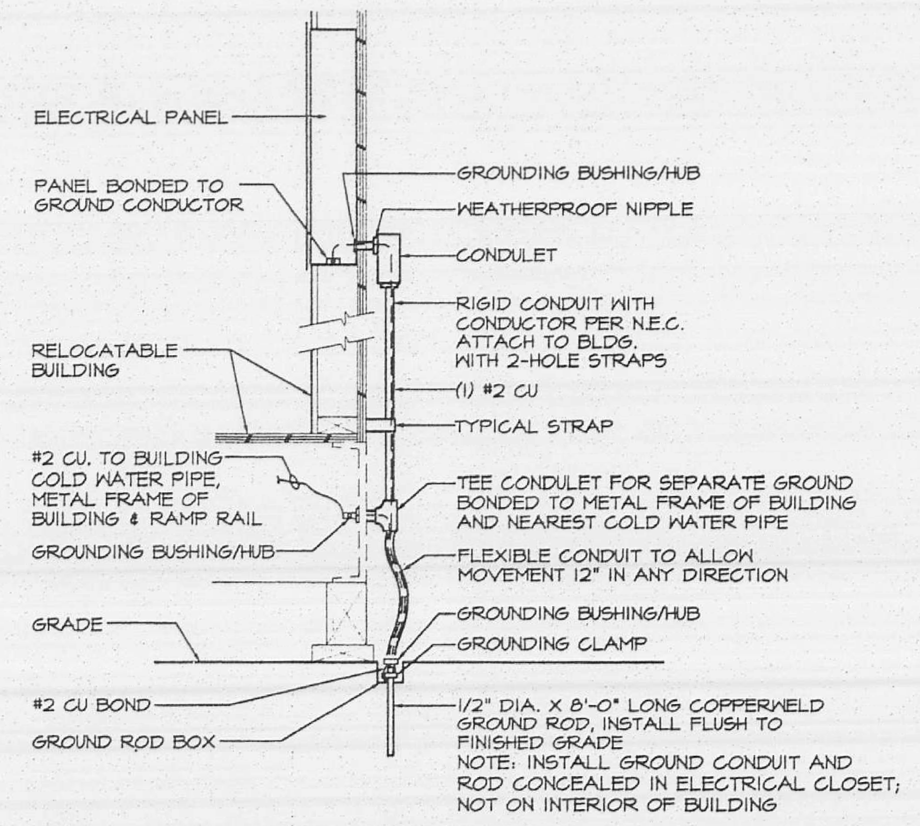
NAPA VALLEY COLLEGE
NAPA, CALIFORNIA

ELECTRICAL FLOOR PLAN, RISER DIAGRAMS, FIRE ALARM CALCULATIONS AND NOTES

DATE:	6/15/99
SCALE:	1/4" = 1'-0"
DRAWN:	HM
JOB:	99032
SHEET:	E-2

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPL 01 101639
AC FLS SS
DATE JUN 23 1999

MEG
Myers Engineering Group
333 Sunset Ave., Suite 160
Suisun City, CA 94585 USA
Tel: 707 435-8891
Fax: 707 435-8792

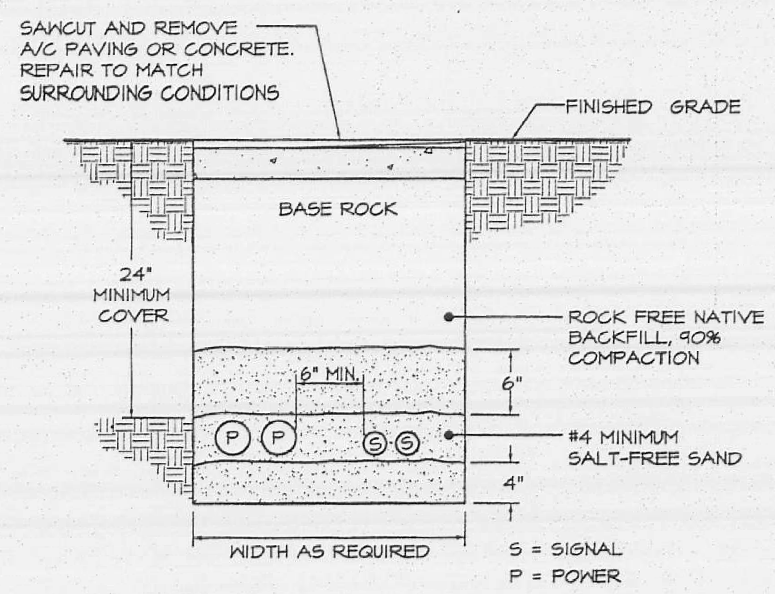


NOTE:

BOND CONDUCTOR FROM GROUND ROD TO PANEL ENCLOSURE, TO COLD WATER PIPE, TO METAL BUILDING FRAME AND RAIL RAMP WITH (1) #2 COPPER WIRE. CHECK RESISTANCE TO GROUND. IF RESISTANCE TO GROUND EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6' APART UNTIL RESISTANCE DOES NOT EXCEED 25 OHMS. (NEC 250-84).

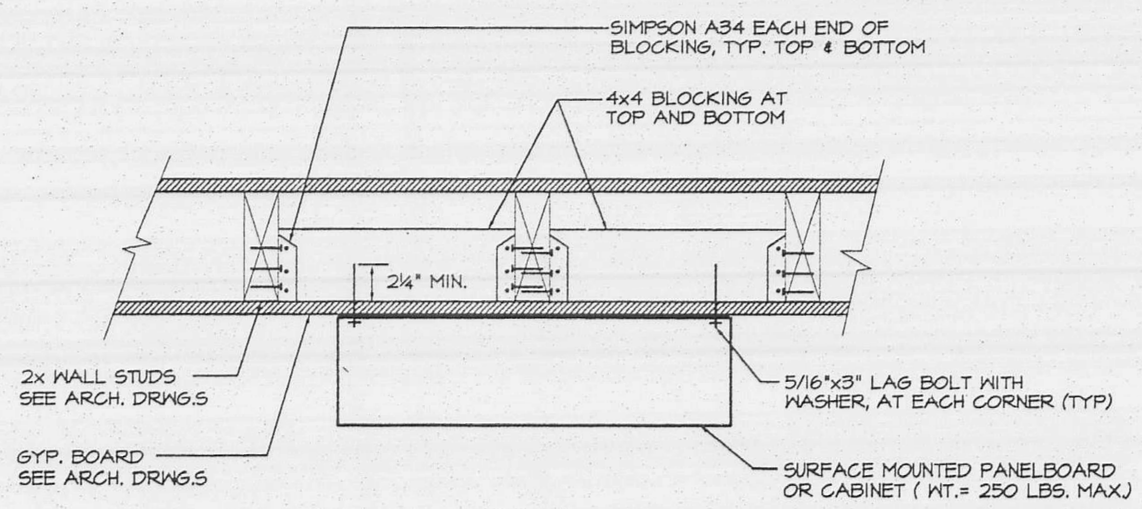
3 RELOCATABLE BUILDING GROUNDING DETAIL

NOT TO SCALE



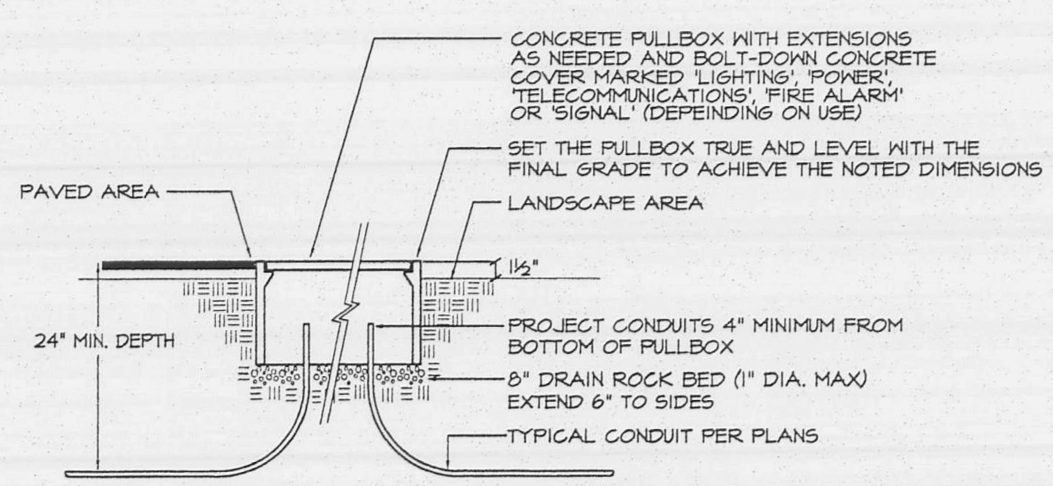
1 TRENCH DETAIL

NOT TO SCALE



4 SURFACE MOUNTED PANELBOARD OR CABINET

NOT TO SCALE



2 PULLBOX INSTALLATION DETAIL

NOT TO SCALE

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APPL 01 101639
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DATE JUN 2 3 1999

REGISTERED PROFESSIONAL ENGINEER · LAWRENCE W. MYERS · EXP. 12-31-99 · ELECTRICAL · STATE OF CALIFORNIA

LICENSED ARCHITECT · STATE OF CALIFORNIA

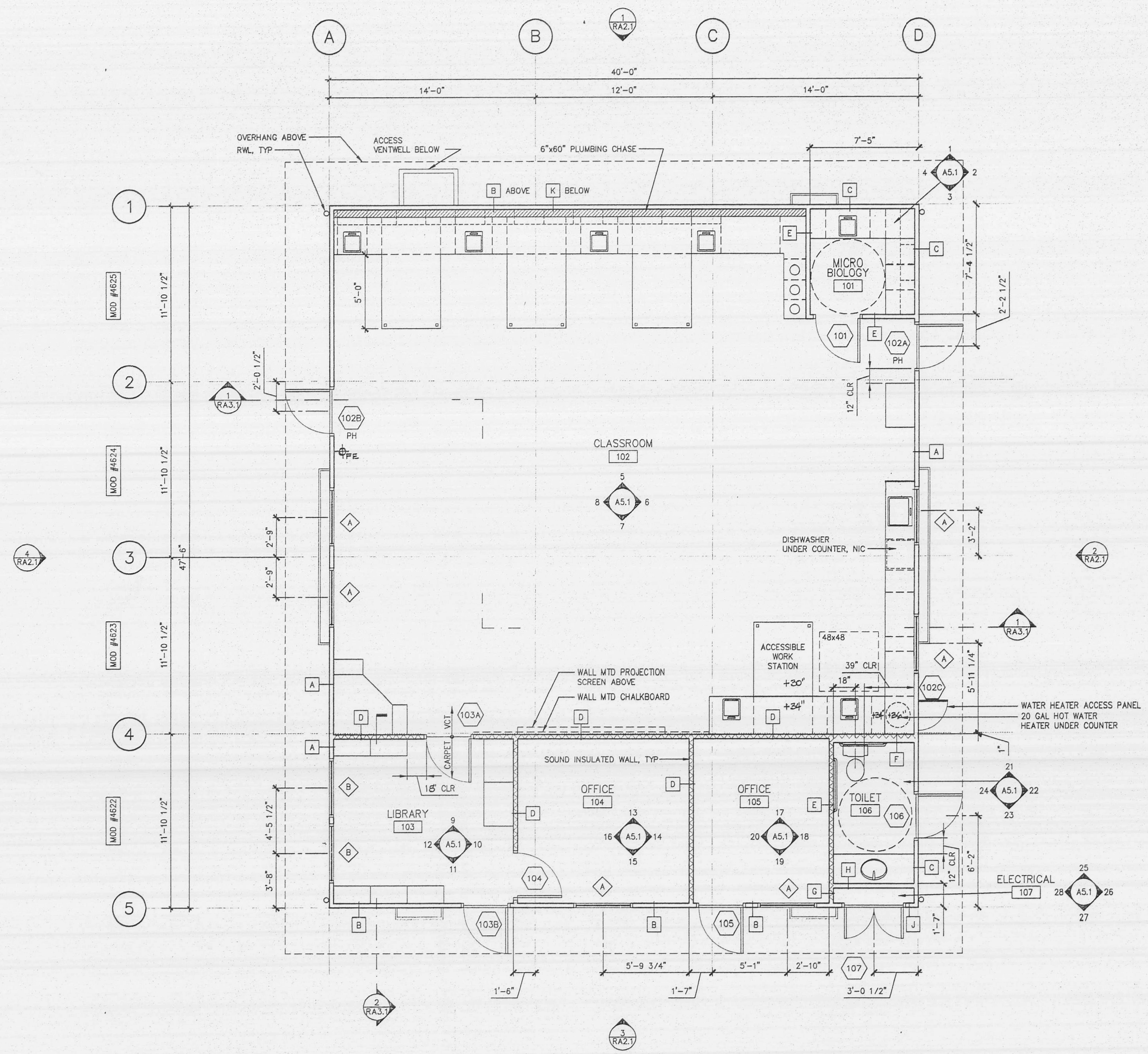
GV CUSTOM MODULAR CONSTRUCTION, INC.

NAPA COLLEGE WINE LAB

NAPA VALLEY COLLEGE
NAPA, CALIFORNIA

DETAILS

DATE:	6/15/99
SCALE:	AS NOTED
DRAWN:	HM
JOB:	99032
SHEET:	E-3



FLOOR PLAN

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

INTERIOR ELEVATIONS, SEE SHEET RA5.1

BUILDING SECTION, SEE SHEET RA3.1

EXTERIOR ELEVATIONS, SEE SHEET RA2.1

WALL TYPE, SEE SHEET RA7.1

WALL SECTION, SEE SHEET RA3.1

DOOR NUMBER, SEE SHEET RA7.1
PH = PANIC HARDWARE

WINDOW TYPE, SEE SHEET RA7.1

FIRE EXTINGUISHER, 2A10BC, 5lb. W/VALID CERTIFICATION TAG, MOUNT @ +48" TO HANDLE.

NOTE:
SEE INTERIOR ELEVATIONS FOR WALL MTD FIXTURE LOCATIONS & BLOCKING INFO

REFERENCE NORTH

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP # 101659
FILE #
AC A FLS SS
DATE JUN 2 3 1999

GV CUSTOM MODULAR CONSTRUCTION, INC.
160 GRANT AVENUE, HEALDSBURG, CA 95448 USA
PO BOX 1805 COMMERCIAL LIC.#2852884
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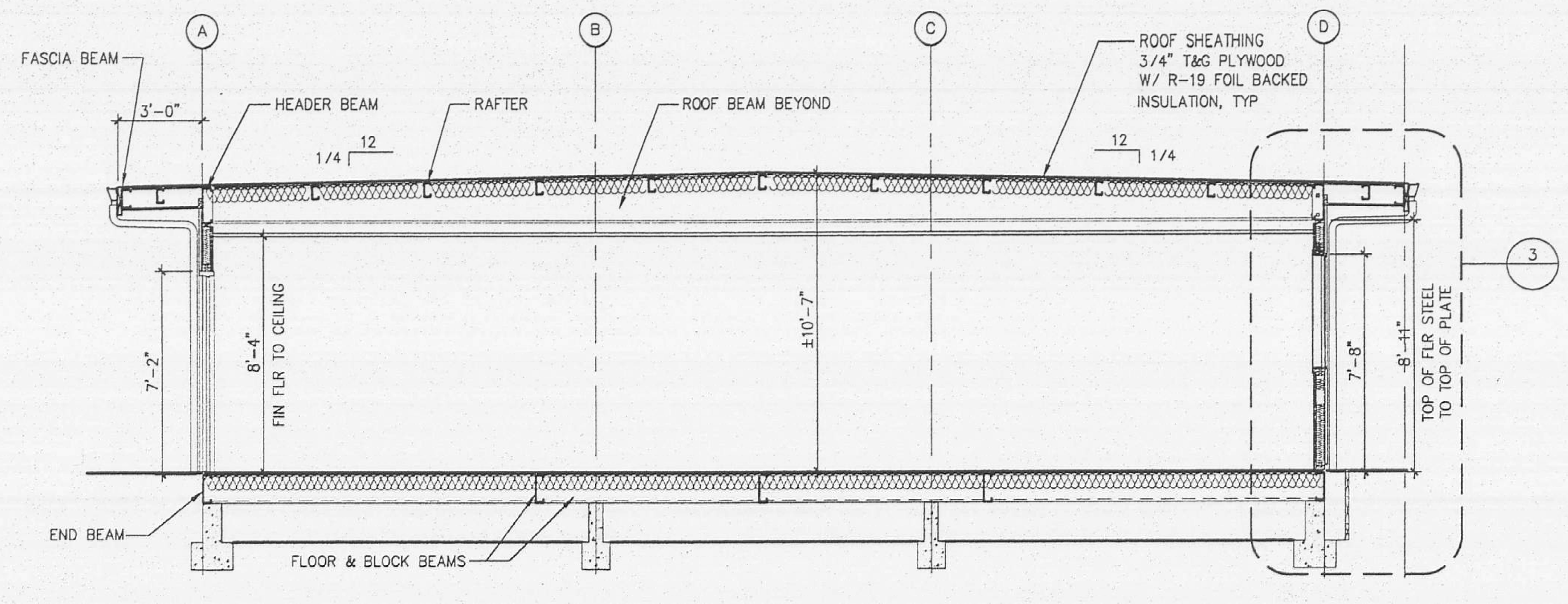
NAPA VALLEY COLLEGE WINE LAB

2277 NAPA-VALLEJO HWY, NAPA, CA 94558

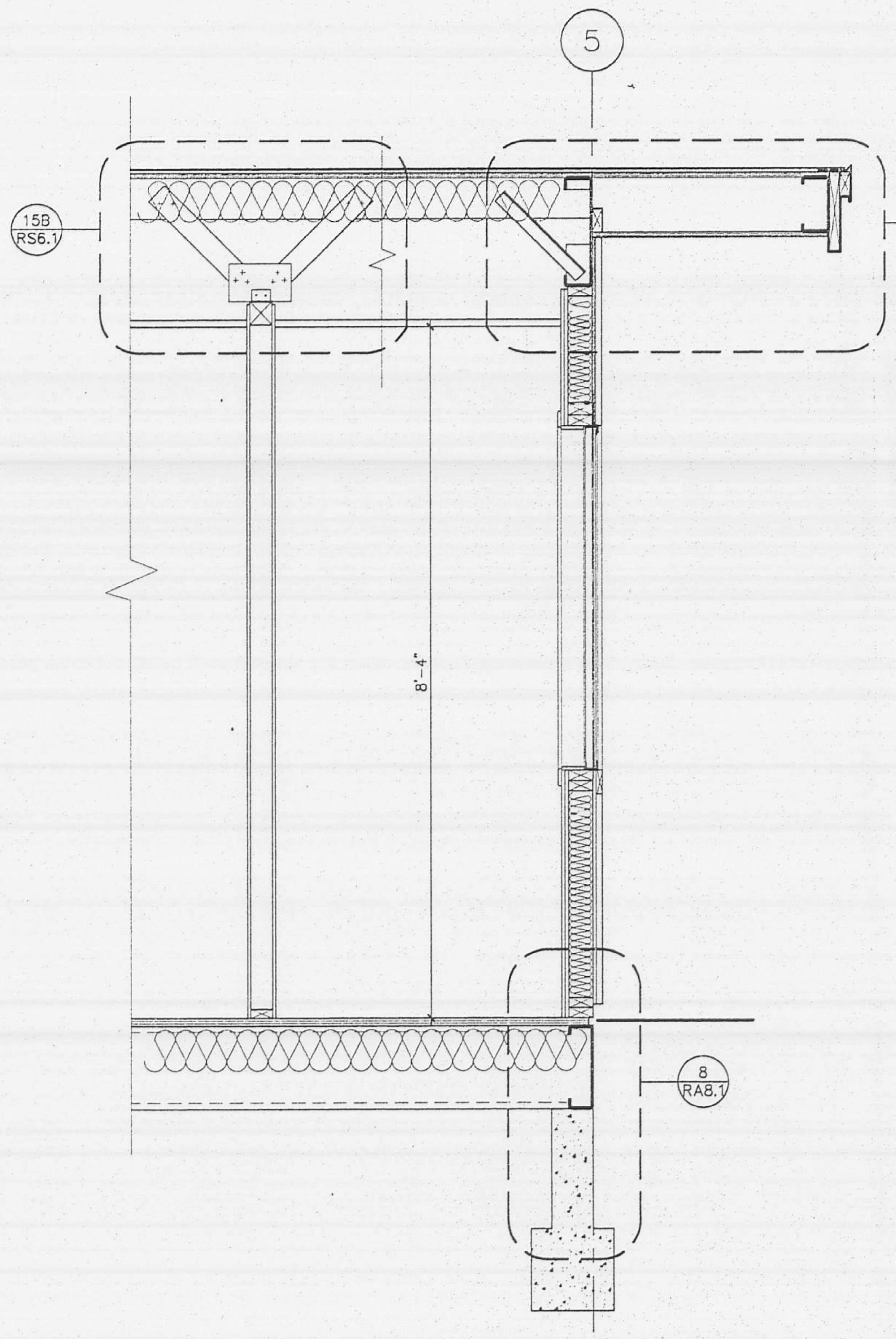
FLOOR PLAN

DATE: 6-14-99
A+E PM: XO
DRAWN BY: RDN
JOB: 99-477
MODS: (4) 12x40

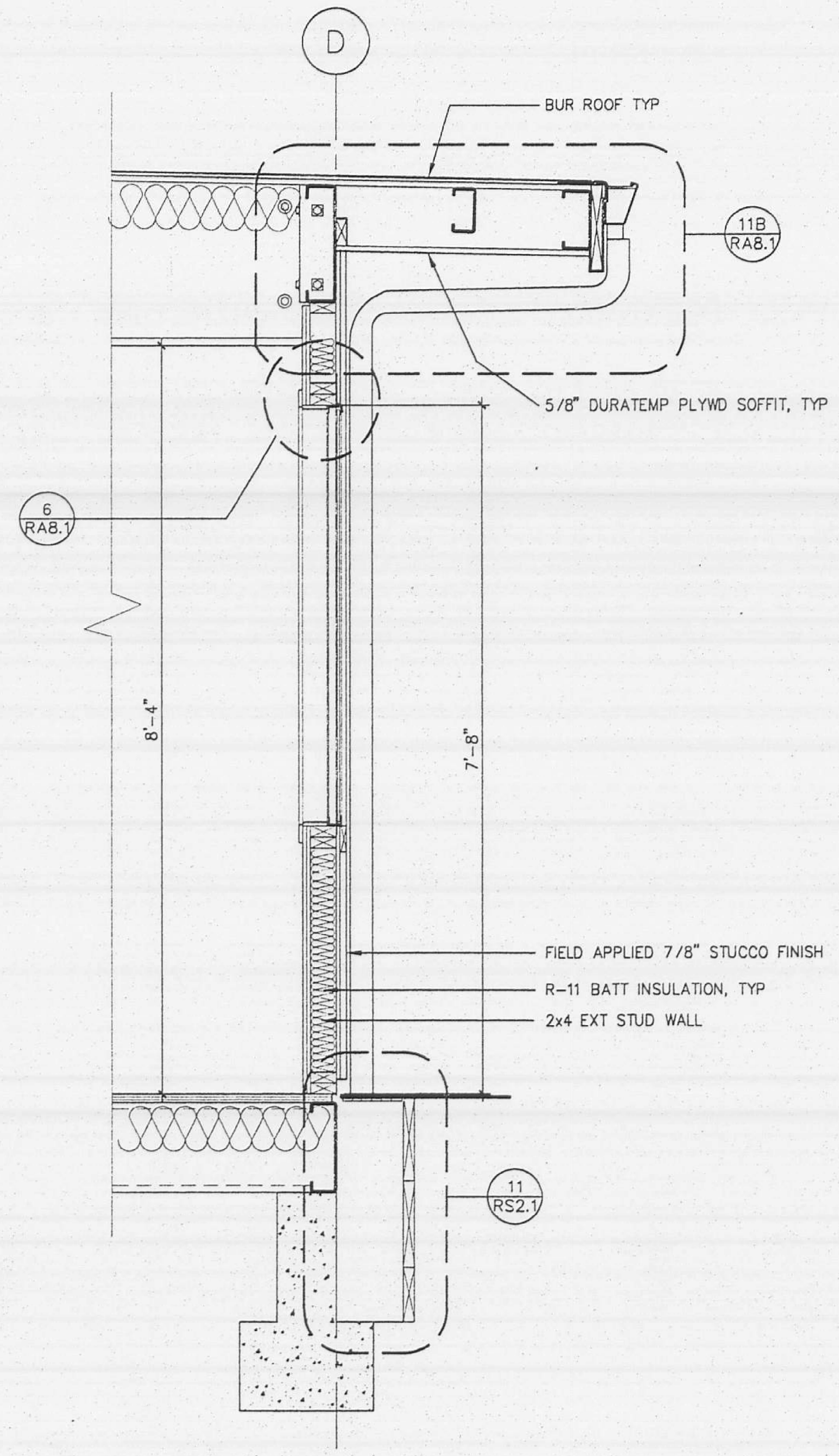
RA1.1



1 **BUILDING SECTION**
SCALE: 1/4" = 1'-0"



2 **WALL SECTION**
SCALE: 3/4" = 1'-0"



3 **WALL SECTION**
SCALE: 3/4" = 1'-0"

OWNER'S RECORD DOCUMENT - FOR REFERENCE ONLY

GV CUSTOM MODULAR CONSTRUCTION, INC.
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NAPA VALLEY COLLEGE
WINE LAB
2277 NAPA-VALLEJO HWY, NAPA, CA 94558

BUILDING SECITONS,
WALL SECTIONS,
WALL TYPES

LICENSED ARCHITECT DONALD MACKY No. C-7751 REN. 7/30/01 STATE OF CALIFORNIA

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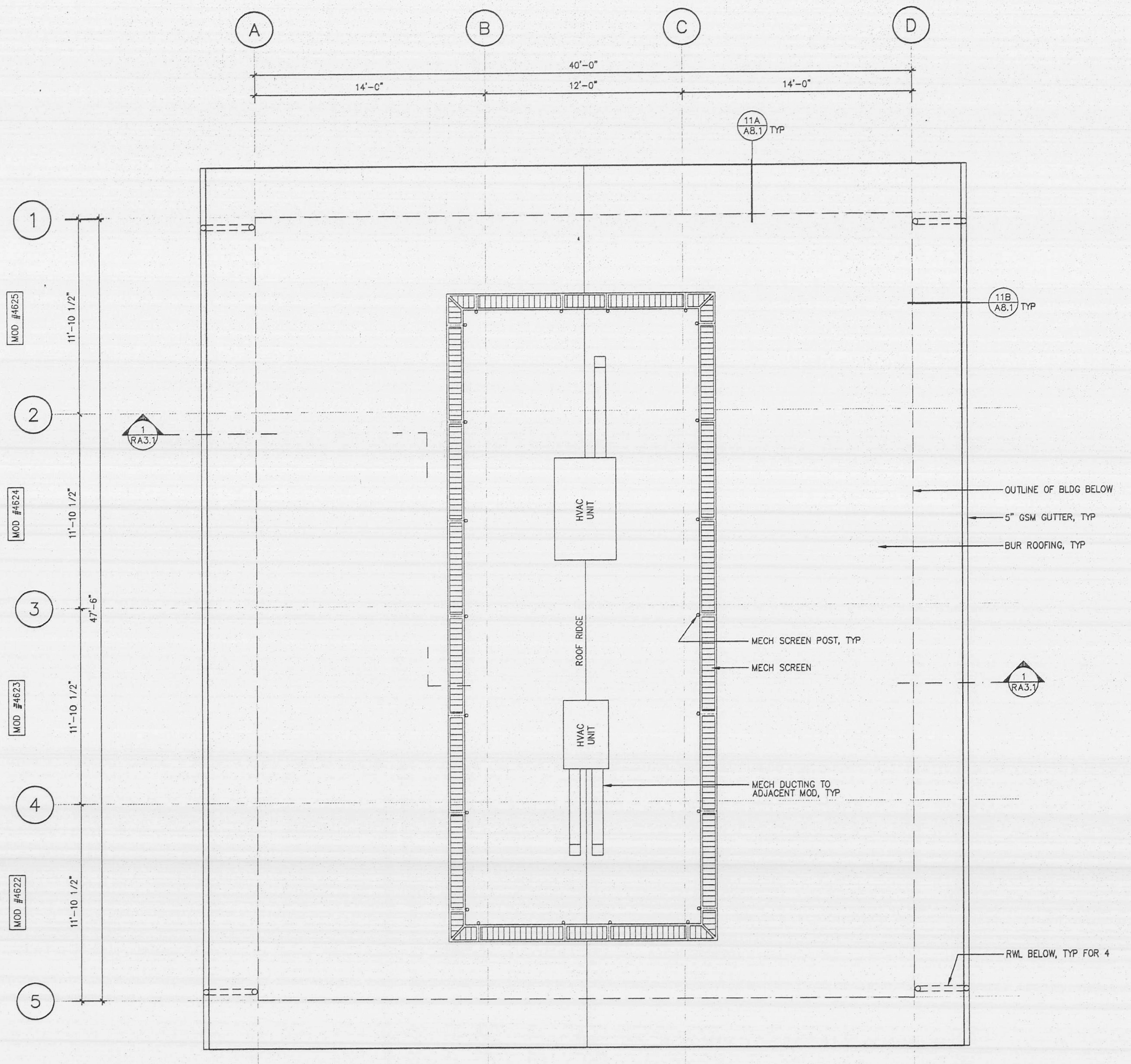
OFFICE OF REGULATION SERVICES
APP # 101639
FILE #
AC FLS SS
DATE JUN 2 3 1999

DATE:	5-17-99
A+E PM:	XO
DRAWN BY:	RDN
JOB:	99-477
MODS:	(4) 12x40

RA3.1

? Napa Wine Lab\RA31.dwg Thu May 27 13:02:24 1999 Plotted by XO



ROOF PLAN

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

REFERENCE NORTH

NOTE:
MECH SCREEN POST LAYOUT SHOWN HERE ASSUMES ROOF RAFTERS ARE POSITIONED w/ WEB TO WEST AND OPEN SIDE TO EAST THUS

← WEST [EAST →

FOR MECH SCREEN POST LAYOUT DIMENSIONS, SEE SHEET RS5.1, FOR DETAILS SEE 6 RS6.2 7 RS6.2 8 RS6.2

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OFFICE OF REGULATION SERVICES
APP #101639
FILE #
AC FLS SS
DATE JUN 2 3 1999

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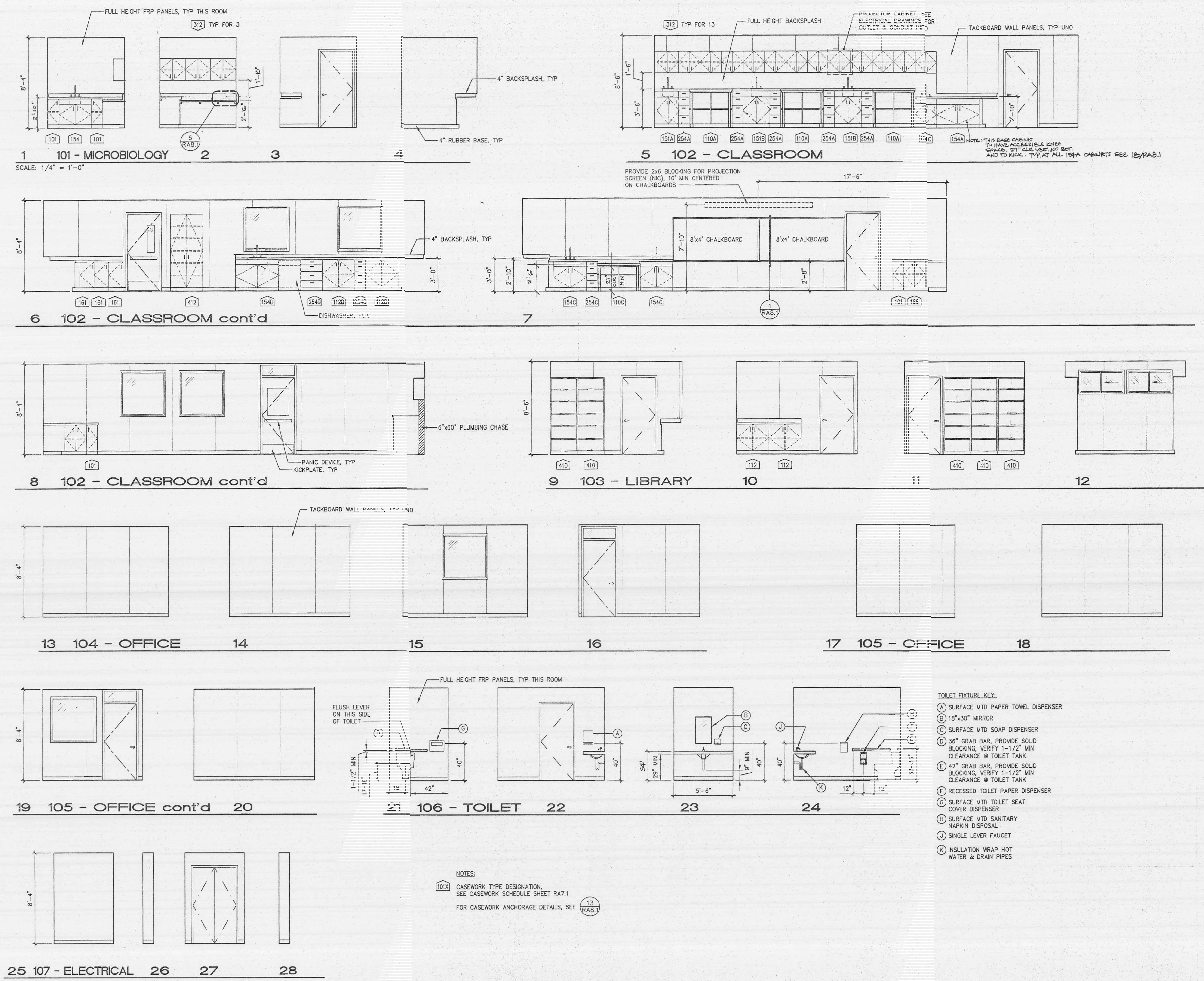
NAPA VALLEY COLLEGE
WINE LAB
2277 NAPA-VALLEJO HWY, NAPA, CA 94558

ROOF PLAN

DATE: 6-14-99
A+E PM: XO
DRAWN BY: RDN
JOB: 99-477
MODS: (4) 12x40

RA4.1



TOILET FIXTURE KEY:

- (A) SURFACE MTD PAPER TOWEL DISPENSER
- (B) 18"x30" MIRROR
- (C) SURFACE MTD SOAP DISPENSER
- (D) 36" GRAB BAR, PROVIDE SOLID BLOCKING, VERIFY 1-1/2" MIN CLEARANCE @ TOILET TANK
- (E) 42" GRAB BAR, PROVIDE SOLID BLOCKING, VERIFY 1-1/2" MIN CLEARANCE @ TOILET TANK
- (F) RECESSED TOILET PAPER DISPENSER
- (G) SURFACE MTD TOILET SEAT COVER DISPENSER
- (H) SURFACE MTD SANITARY NAPKIN DISPOSAL
- (J) SINGLE LEVER FAUCET
- (K) INSULATION WRAP HOT WATER & DRAIN PIPES

NOTES:

101X CASEWORK TYPE DESIGNATION, SEE CASEWORK SCHEDULE SHEET RA7.1

FOR CASEWORK ANCHORAGE DETAILS, SEE 13/RA8.1

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NAPA VALLEY COLLEGE WINE LAB

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LICENSED ARCHITECT ... STATE OF CALIFORNIA — REN. 4/30/01

Donald A. Macky

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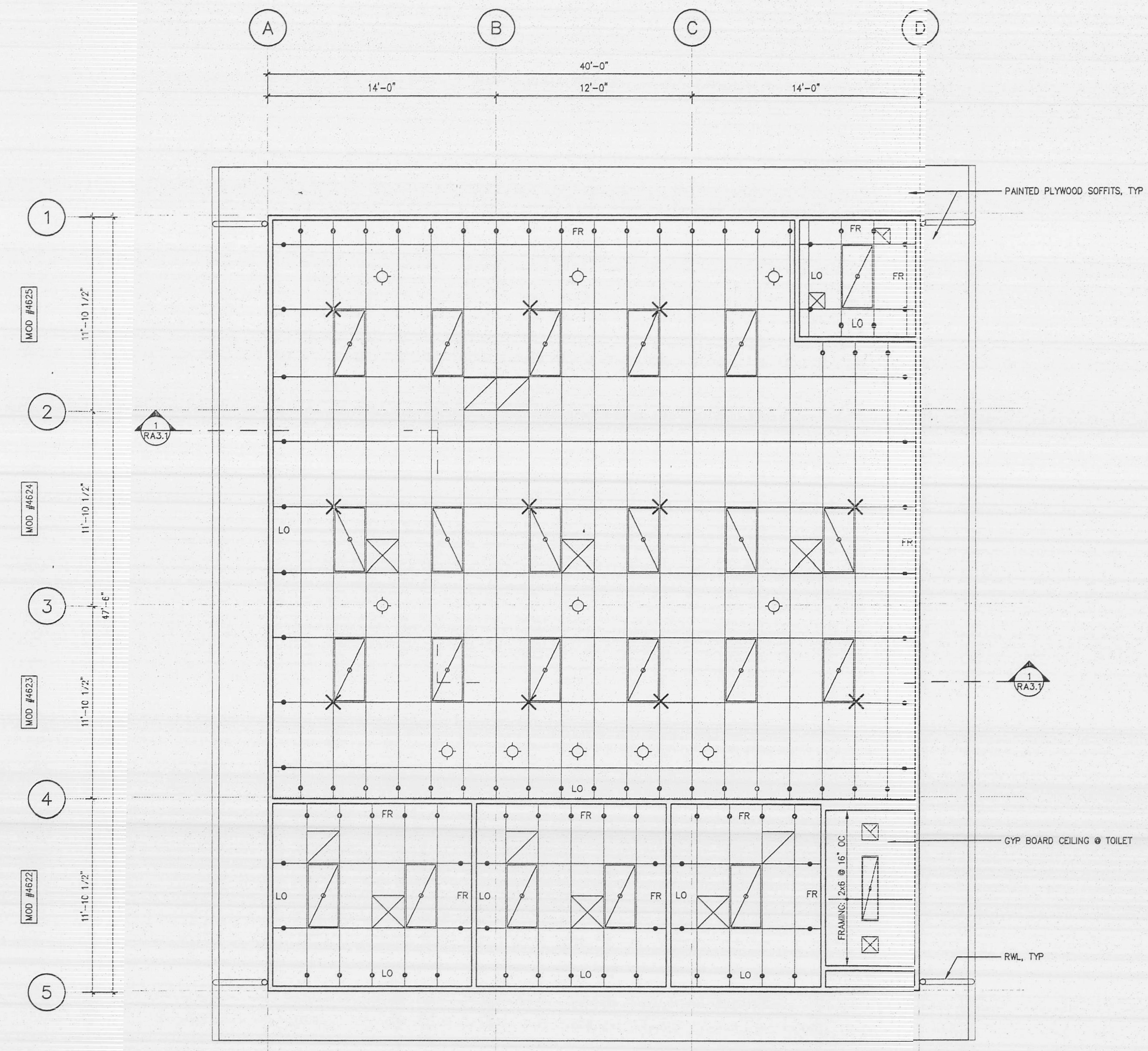
OFFICE OF REGULATION SERVICES
APP #101639
FILE #
AC A FLS SS CKC
DATE JUN 23 1999

INTERIOR ELEVATIONS

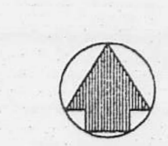
DATE: 6-14-99
A+E PM: XO
DRAWN BY: RDN
JOB: 99-477
MODS: (4) 12x40

RA5.1



REFLECTED CEILING PLAN

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



SYMBOL	DESCRIPTION
	24x48 FLUORESCENT LIGHT FIXTURE, PROVIDE LIGHT SLAP WIRES @ 2 DIAGONAL CORNERS, TYP
	12x48 FLUORESCENT LIGHT FIXTURE, PROVIDE SLAP WIRES @ 2 DIAGONAL CORNERS, TYP
	RECESSED DOWNLIGHT
	CEILING HVAC SUPPLY REGISTER
	CEILING HVAC RETURN REGISTER
	CEILING EXHAUST FAN (VENTS TO ROOF)

X — LOCATION OF LATERAL BRACING AND COMPRESSION STRUT, COORDINATE LOCATIONS w/ ROOF RAFTERS, SEE RS5.1 FRAMING PLAN (2/RS6.1)

LO — LOCKED END
FR — FREE END
• — 12 GA WIRE HANGER (5/RS6.1)

LICENSED ARCHITECT · STATE OF CALIFORNIA · REN 4/30/01

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP #01-101639
FILE #
AC A FLS SS
DATE JUN 2 3 1999

GV CUSTOM MODULAR CONSTRUCTION, INC.

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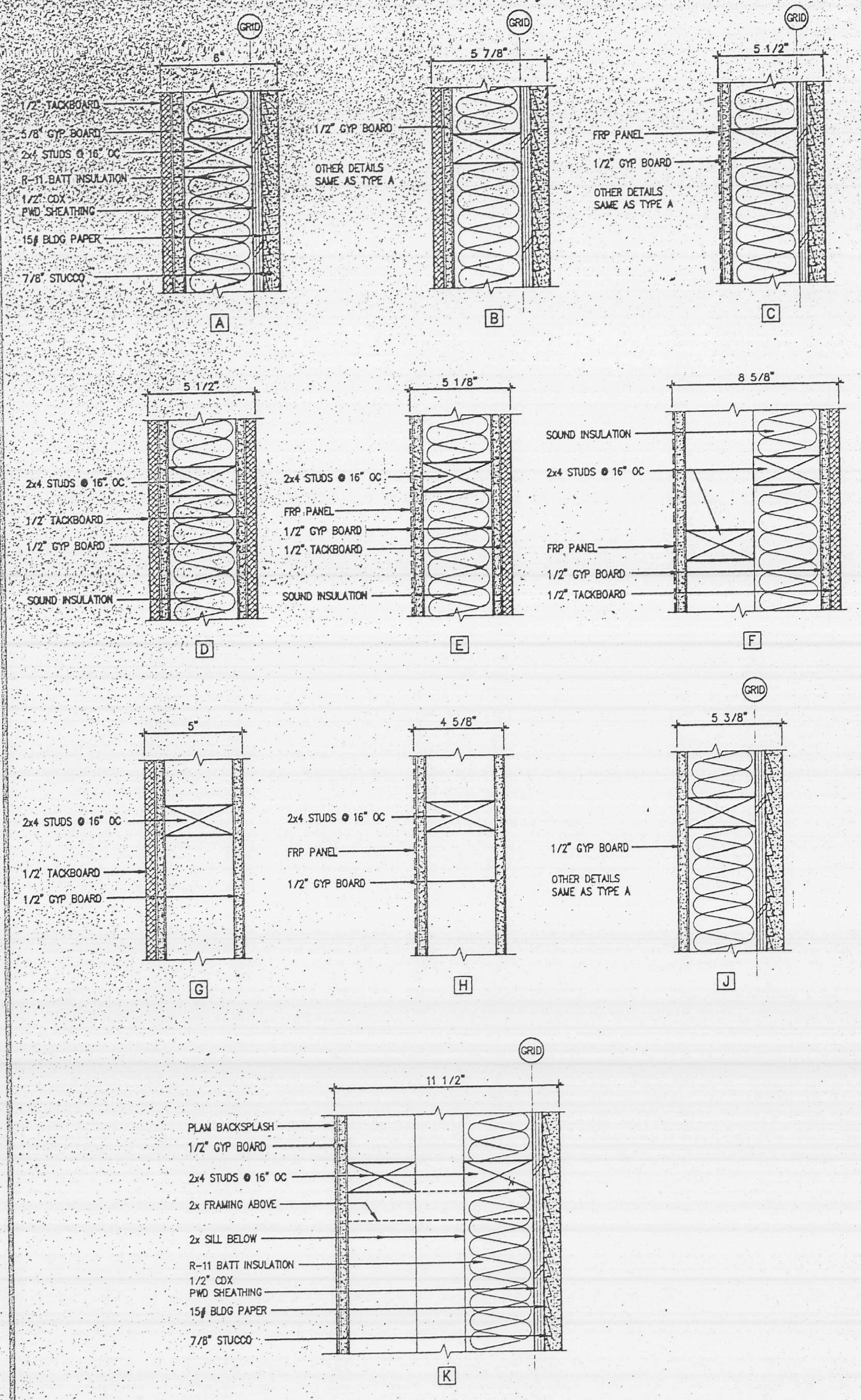
NAPA VALLEY COLLEGE WINE LAB

2277 NAPA-VALLEJO HWY, NAPA, CA 94558

REFLECTED CEILING PLAN

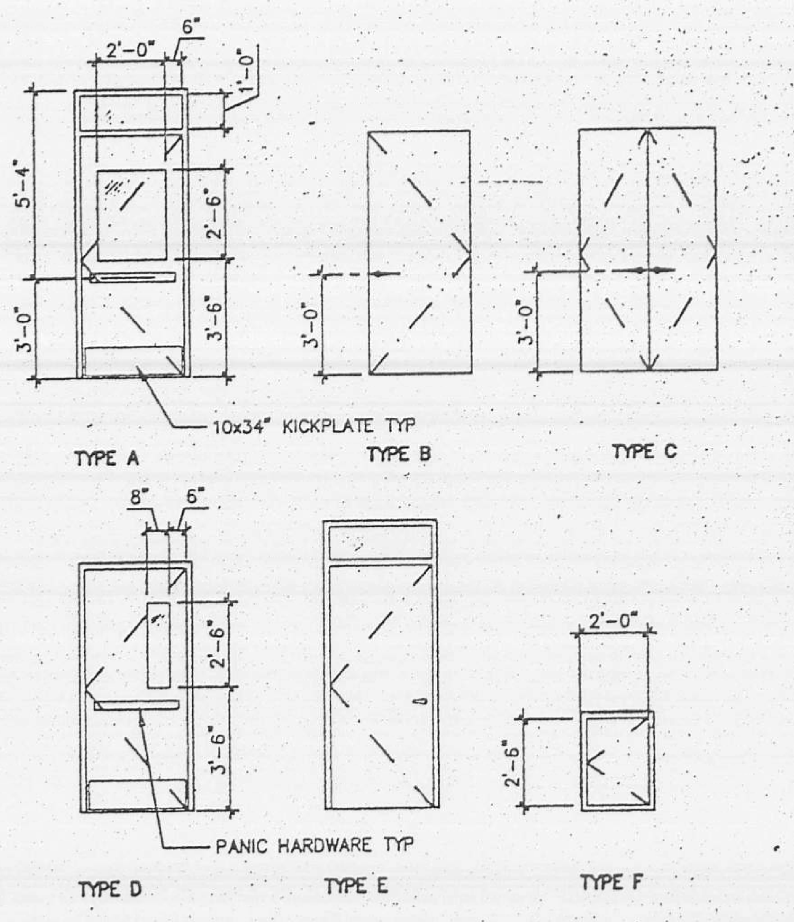
DATE: 6-14-99
A+E PM: XO
DRAWN BY: RDN
JOB: 99-477
MODS: (4) 12x40

RA6.1



WALL TYPES

SCALE: 3" = 1'-0"



FINISH SCHEDULE

ALL FINISHES SHALL COMPLY WITH CBC CHAPTERS 3-8 & 10, CFC & TITLE 19 CCR

ROOM NO	ROOM NAME	FLOOR FINISH	FLOOR BASE	WALLS NORTH FINISH	WALLS EAST FINISH	WALLS SOUTH FINISH	WALLS WEST FINISH	CEILING FINISH	CEILING HEIGHT	REMARKS
101	MICROBIOLOGY	VCT	R4	FRP	FRP	FRP	FRP	ACT	8'-4"	
102	CLASSROOM	VCT	R4	TB	TB	TB	TB	ACT	8'-4"	
103	LIBRARY	CPT	R4	TB	TB	TB	TB	ACT	8'-0"	
104	OFFICE	CPT	R4	TB	TB	TB	TB	ACT	8'-0"	
105	OFFICE	CPT	R4	TB	TB	TB	TB	ACT	8'-0"	
106	TOILET	SV	SV	FRP	FRP	FRP	FRP	PG	8'-0"	
107	ELECTRICAL	NONE	NONE	UF	UF	UF	UF	UF	8'-0"	

FINISH SCHEDULE NOTES:
1. SEE SHEET RA7.1 FOR WALLTYPES
2. SEE SHEET RA5.1 FOR INTERIOR ELEVATIONS

FINISH SCHEDULE LEGEND:
FLOOR : ALL FLOOR FINISHES NON-SLIP
CPT CARPET
VCT VINYL COMPOSITION TILE
SV RESILIENT SHEET VINYL WITH 6" INTEGRAL COVED BASE

BASE
CS CONCRETE SLAB
R4 4" RUBBER BASE
R6 6" RUBBER BASE
CT CERAMIC TILE
CV6 6" COVE

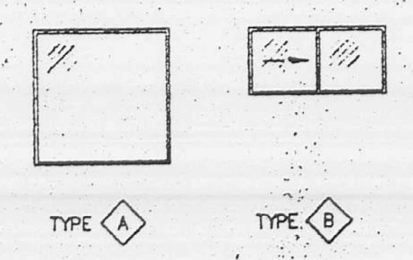
WALL & CEILING FINISH
UF UNFINISHED - TAPE ONLY
PS PAINT SMOOTH FINISH (ENAMEL/EGGSHELL)
PG PAINT SEMI-GLOSS
FRP SANITARY FRP PANEL
CT CERAMIC TILE
TB TACKABLE PANELS
ACT ACOUSTCAL TILE

DOOR SCHEDULE

NO	TYPE	SIZE (WxH)	DOOR THCKNESS	FIRE RATING	DOOR MAT'L	FRAME MAT'L	FINISH	SWING	WALL TYPE	HARDWARE GROUP PER SPECS	STC	DETAIL REF	REMARKS
101	B	3'-0"x7'-0"	1-3/4"	NONE	SC WD	HM	PAINT	RHR	E	6	NONE	3/RA8.1	
102A	D				HM			RHR	A	1		2/RA8.1 SIM	PH, SFC, NOTE 4
102B	A				HM			LHR	A	1		2/RA8.1	PH, SFC, NOTES 4 & 5
103A	B				SC WD			LH	D	6		3/RA8.1	
103B	E				HM			RHR	B	3		2/RA8.1	NOTE 5
104	B				SC WD			RH	D	6		3/RA8.1	
105	E				HM			RHR	B	3		2/RA8.1	
106	B				HM			RHR	C	4		2/RA8.1 SIM	ACC
107	C	PR2'-0"x7'-0"			HM			R/LHR	H	2		2/RA8.1	
102C	F	2'-0"x2'-6"			HM			RHR	A	1		2/RA8.1	DEAD BOLT ONLY

DOOR SCHEDULE NOTES:
1. HARDWARE GROUPS: SEE SPECIFICATIONS
2. ALL LEVER RETURNS SHALL BE WITHIN 1/2" OF THE FACE OF DOORS. LOCKSETS TO BE SCHLAGE, "RHODES" LEVER HANDLE
3. ADJUST DOOR CLOSER FOR MAXIMUM PUSH/PULL EFFORT TO OPERATE DOOR AS FOLLOWS (EFFORT SHALL BE APPLIED AT RIGHT ANGLES TO CENTER PLANE OF DOOR): INTERIOR DOORS - FIVE POUNDS, EXTERIOR DOORS - FIVE POUNDS, FIRE RATED DOORS - FIFTEEN POUNDS
4. 1/4" THICK CLEAR TEMPERED GLASS VISION LIGHT, TYP
5. 12"x30" 1/4" THICK CLEAR TEMPERED GLASS TRANSOM LIGHT ABOVE DOOR

PH PANIC HARDWARE, VON DUPRIN 21M EXIT DEVICE @ +36" W/ RHODES LEVER HANDLE AT EXTERIOR
SFC SELF-CLOSER
ACC ACCESSIBLE SIGNAGE @ EXTERIOR, SEE DETAIL 15/RA8.1
SC SOLID CORE
HM HOLLOW METAL
WD WOOD



WINDOW SCHEDULE

TYPE	SIZE (WxH)	MODEL/ SERIES	FRAME MAT'L	FRAME SIZE	FRAME FINISH	FRAME COLOR	GLAZING	STC	DETAIL REF	REMARKS
A	4'-0"x4'-0"	TERM	ALUM	ALUM	ANODIZED	BRONZE	NOTE 1	NONE	6/RA8.1	FIXED
B	2'-0x4'-0"	TERM	ALUM	ALUM	ANODIZED	BRONZE	NOTE 1	NONE	6/RA8.1	SLIDER

WINDOW SCHEDULE NOTES:
1. BRONZE DUAL GLAZING

CASEWORK SCHEDULE

ROOM NO	ROOM NAME	W/C SERIES #	# OF UNITS	DIMENSIONS WIDTH	DIMENSIONS HEIGHT	DIMENSIONS DEPTH	GRADE	SURFACE	FINISH			REMARKS
101	MICROBIOLOGY	101	2	12	34	24						
		154	1	36	34	24						
		312	3	28	24	12						
102	CLASSROOM	101	2	12	34	24						
		112A	3	48	42	30						
		112B	3	36	34	24						
		112C	1	48	34	30						
		151A	1	24	42	30						
		151B	2	30	42	30						
		151C	1	24	34	30						
		154A	1	48	34	30						
		154B	1	42	34	24						
		154C	2	36	34	30						
		161	3	16	34	24						NO GUIDES, 8" DIA OPENING IN TOPS
		186	1	*	34	24						* CORNER CABINET
		254A	5	12	42	30						
		254B	1	18	34	24						
		254C	1	12	34	30						
		254D	1	12	34	24						
		312	12	24	24	12						
		401	1	24	84	24						
		412	1	36	84	24						
103	LIBRARY	112	2	36	34	24						
		410	5	30	84	14						

LICENSED ARCHITECT
DONALD ... MACKY
No. C-751
REN. 6/30/11
STATE OF CALIFORNIA

Donald A. Macky

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP # 101639
FILE #
AC ___ FLS ___ SS ___
DATE JUN 2 7 1999

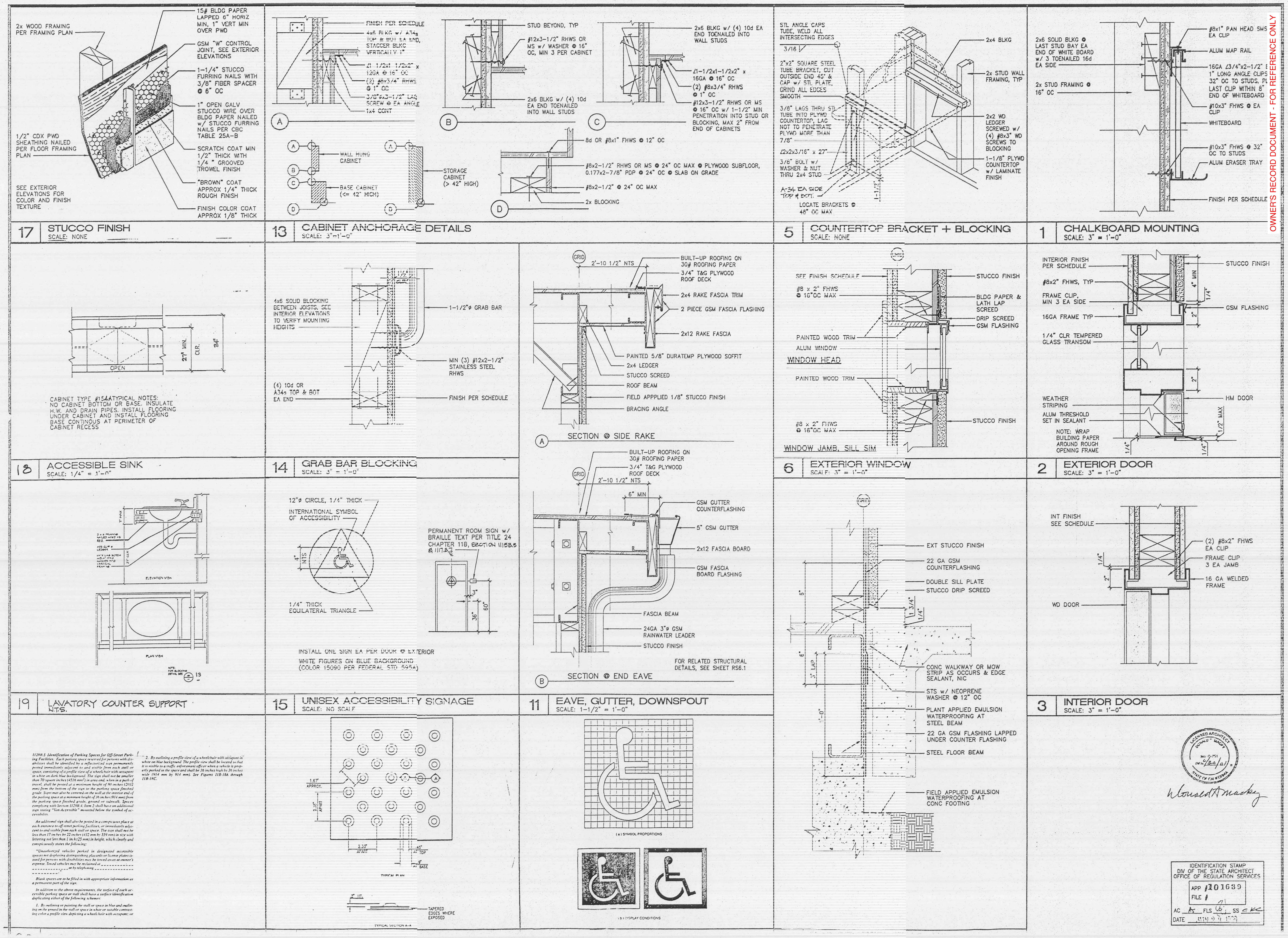
GV CUSTOM MODULAR CONSTRUCTION, INC.
160 GRANT AVENUE HEALDSBURG, CA 95448 USA
PO BOX 1806 COMMERCIAL LIC #285284
PHONE 707/431-2236 FAX 707/431-7338
EMAIL arch@gvcm.com WEB http://www.gvcm.com

NAPA VALLEY COLLEGE
WINE LAB
2277 NAPA-VALLEJO HWY, NAPA, CA 94558

FINISH, DOOR, + WINDOW SCHEDULES

DATE 6-14-99
A+E PM XO
DRAWN BY RDN
JOB 99-477
MODS (4) 12/40

RA7.1



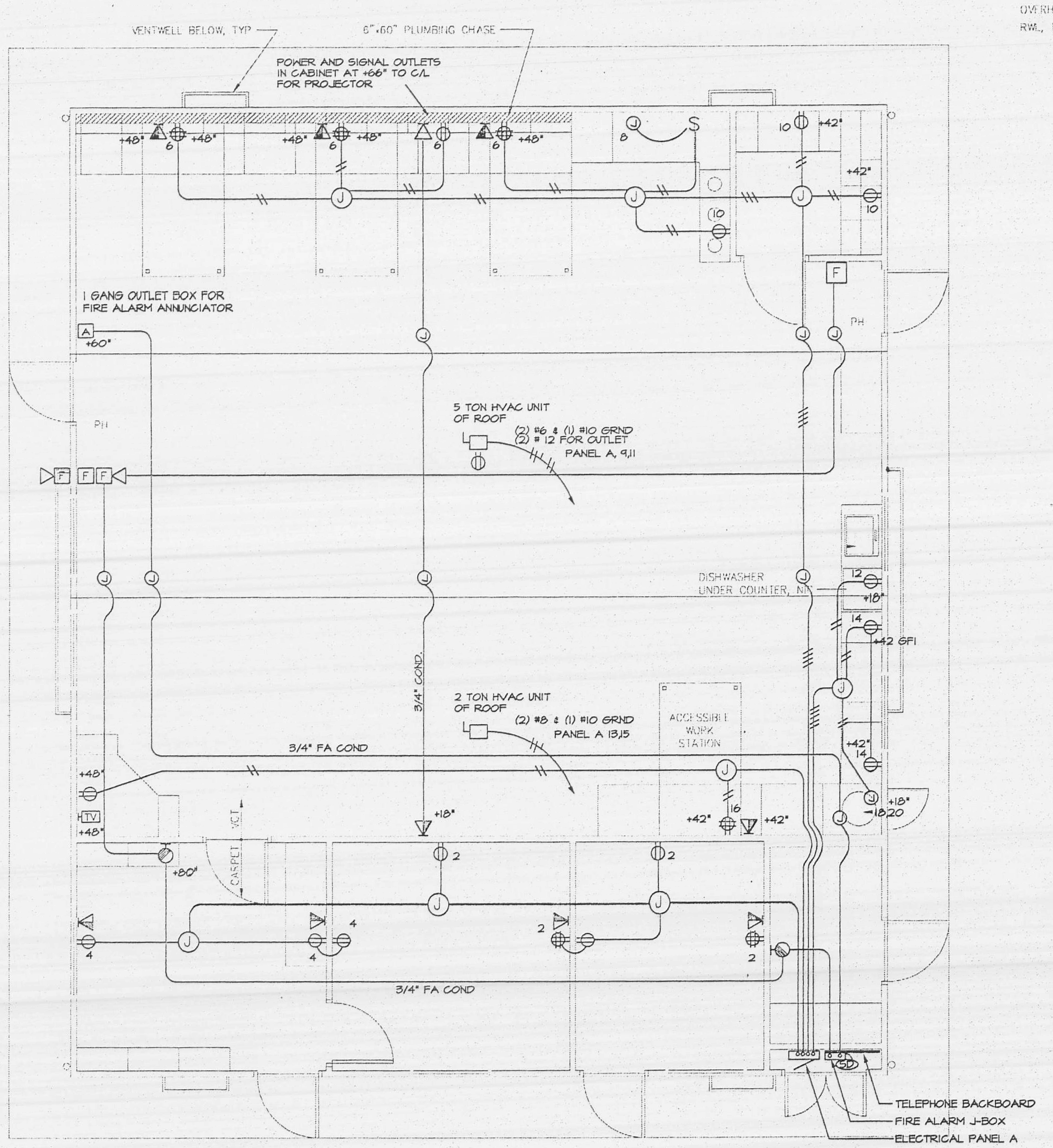
GV CUSTOM MODULAR CONSTRUCTION, INC.

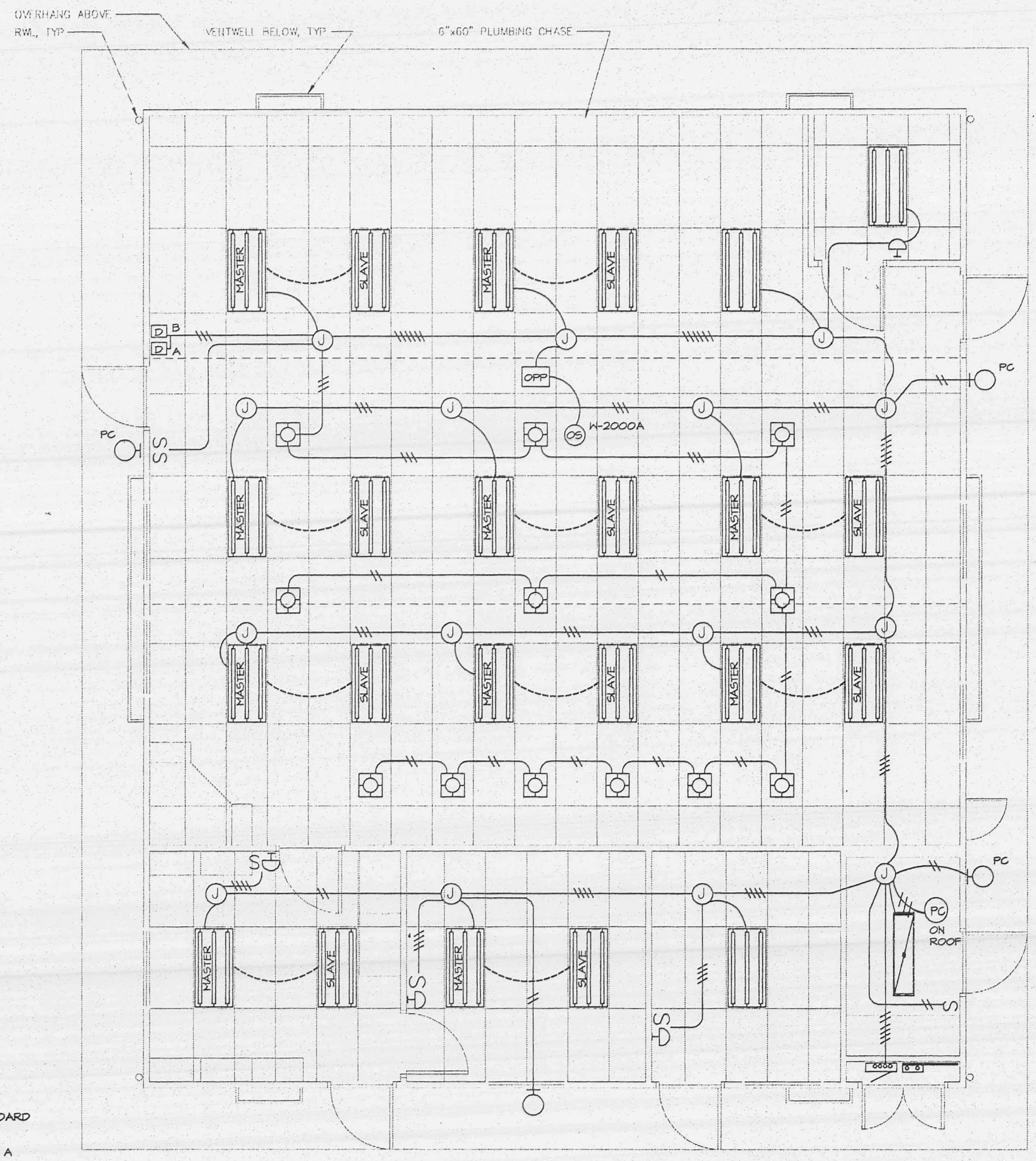
NAPA VALLEY COLLEGE
WINE LAB
2277 NAPA-VALLEJO HWY, NAPA, CA 94558

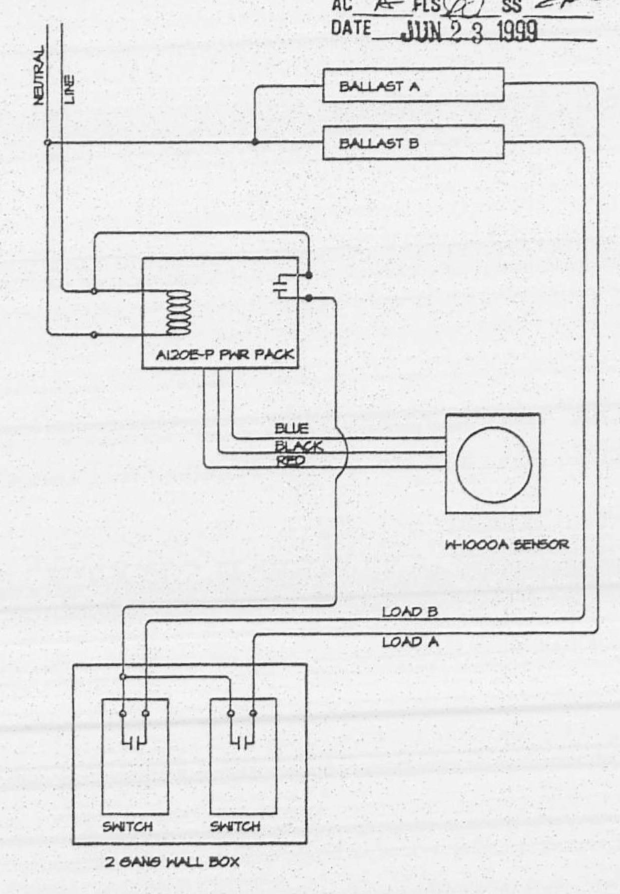
ARCHITECTURAL DETAILS

DATE: 6-14-99
A+E PM: XO
DRAWN BY: RDN
JOB: 99-477
MODS: (4) 12:40

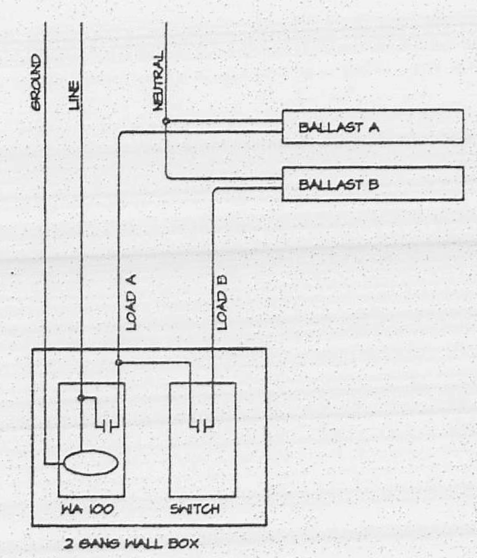
DA8.1







M/SENSOR WITH POWER PACK AND BI-LEVEL LIGHTING



WALL MOUNTED MOTION SWITCH WITH BI-LEVEL LIGHTING

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPL 01 101639
AC A FLS SS
DATE JUN 23 1999

OWNER'S RECORD DOCUMENT - FOR REFERENCE ONLY

PANEL LABEL : L1
VOLTAGE : 120/240
CONSTRUCTION : LOADCENTER
PHASE : 1
MAIN : 200/2
AIC : 10,000
ENCLOSURE : NEMA 1
MOUNTING : SURFACE

1	1620	CLASSROOM LIGHTING	1	20	20	1	CLASSROOM OUTLETS	720	2
3	1140	DOWNLIGHTS / EXT. LIGHTS	1	20	20	1	LIBRARY OUTLETS	720	4
5	540	OFFICE LIGHTS	1	20	20	1	LAB OUTLETS	720	6
7		SPARE	1	20	20	1	HOOD FAN	800	8
9	3700	HVAC UNIT (GAS HEAT)	2	50	20	1	MICROBIOLOGY OUTLETS	540	10
11	3700	HVAC UNIT (GAS HEAT)		50	20	1	DISHWASHER	800	12
13	4340	HVAC UNIT AND STRIP HEAT	2	50	20	1	COUNTERTOP OUTLETS	540	14
15	4340	HVAC UNIT AND STRIP HEAT		50	20	1	LAB OUTLETS	540	16
17					30	2	WATER HEATER	1000	18
19					30		WATER HEATER	1000	20
21									22
23									24
25									26
27									28
29									30
31									32
33									34
35									36
37									38
39									40
41									42

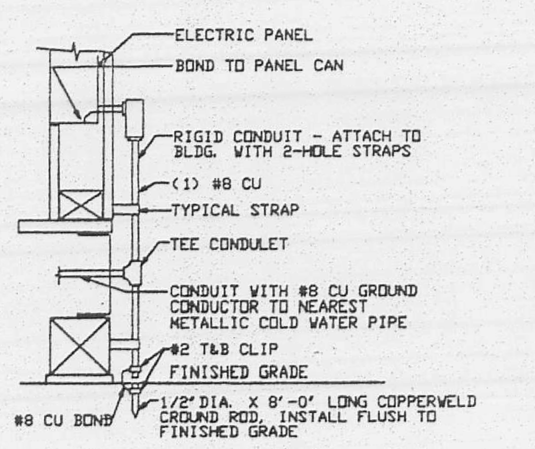
PHASE A TOTAL VA = 14360
PHASE B TOTAL VA = 12860
PHASE A TOTAL AMPS = 120
PHASE B TOTAL AMPS = 108
TOTAL VA = 27220

ELECTRICAL SYMBOL LEGEND

	DUPLEX 120 VOLT OUTLET +16" TO C/L	DATA OUTLET +16" TO C/L U.O.N.	
	4-PLEX 120 VOLT OUTLET +16" TO C/L	PHONE OUTLET +16" TO C/L U.O.N.	
GFI	GROUND FAULT PROTECTED DEVICE	DATA / PHONE OUTLET +16" TO C/L	
S	1 POLE SWITCH +48" TO C/L	TV OUTLET +16" U.O.N.	TV
S_3	3 WAY SWITCH +48" TO C/L	CLOCK OUTLET BOX +96"	C
	FUSED DISCONNECT SWITCH	SPEAKER OUTLET BOX +96"	S
	NON-FUSED DISCONNECT SWITCH		
	JUNCTION BOX		
OS	OCCUPANCY SENSOR		
OPP	OCCUPANCY SENSOR POWER & SWITCH PACK	INDICATES NUMBER OF CONDUCTORS	\\\
F	FIRE ALARM PULL STATION +48" TO C/L	INDICATES MOUNTING HEIGHT TO C/L	+48"
F	FIRE ALARM HORN +96" (80" INTERIOR)		
	FIRE ALARM STROBE +80" TO C/L		
	WATT WATCHER WA-100 MOTION SENSOR		

ELECTRICAL FIXTURE SCHEDULE

MASTER	3 LAMP RECESSED 2X4 FIXTURE WITH A-12 PRISMATIC LENS AND MASTER / SLAVE WIRING. FIXTURE SHALL HAVE ELECTRONIC BALLAST AND THREE (3) FO32T8/T35 LAMPS. SWITCH INNER TUBE ON SWITCH "A" AND OUTTER TUBES ON SWITCH "B"
	2 OR THREE LAMP (AS SHOWN) RECESSED FIXTURE WITH A-12 PRISMATIC LENS. 3 LAMP FIXTUES SHALL BE PROVIDED WITH (2) BALLAST FOR DUAL LEVEL SWITCHING. FIXTURES SHALL BE PROVIDED WITH ELECTRONIC BALLAST AND FO32T8/T35K LAMPS.
	1X4 2 LAMP SURFACE MOUNT FLUORESCENT LIGHT FIXTURE. FIXTURE SHALL HAVE METAL SIDES AND ELECTRONIC BALLAST. PROVIDE (2) FO32T8/T35K LAMPS.
	EXTERIOR WALL MOUNTED LIGHT FIXTURE WITH 70 WATT HPS LAMP AND PHOTOCELL.
	HALO H71CT - 310P RECESSED DOWNLIGHT WITH 75 WATT R-30 LAMP
EXIT	WALL OR CEILING MOUNTED LIGHTED EXIT SIGN WITH BATTERY BACKUP.
	CEILING MOUNTED EXHAUST FAN, PROVIDED BY CONTRACTOR AND CONNECTED BY ELECTRICAL CONTRACTOR.



NOTE:
1. SIZE OF CONDUCTORS SHALL COMPLY WITH NEC TABLE 250-95.
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME (NEC 250-81). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (NEC 250-81 AND 250-83).
3. ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER. (BOLTING ONLY IS NOT ACCEPTABLE BONDING.)
4. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (NEC 250-84) AS REQUIRED.
5. CONDUCT GROUND TEST IN PRESENCE OF PROJECT INSPECTOR.
6. ARCH. OR ELEC. ENG. SHALL SIGN TEST REPORT INDICATING ACCEPTANCE OF ...

GV CUSTOM MODULAR CONSTRUCTION, INC.
160 GRANT AVENUE, HEALDSBURG, CA 95448 USA
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NAPA VALLEY COLLEGE WINE LAB

2277 NAPA - VALLEJO HWY, NAPA, CA 94558

LICENSED ARCHITECT STATE OF CALIFORNIA

DATE : 05/12/99
A&E PM:
DRAWN BY : JB
JOB : 2427
MODS: 4

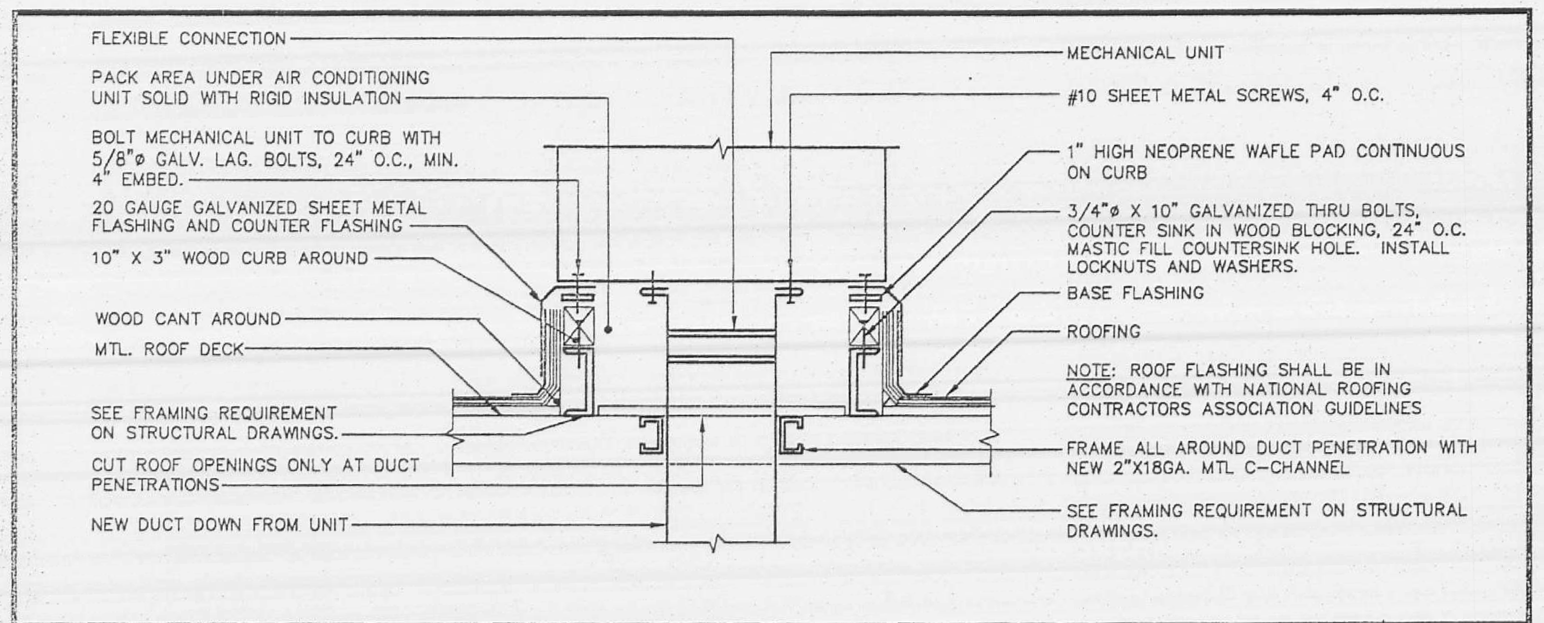
Fan Schedule

FAN NO.	MFGR.	MODEL NO.	CFM	S.P. ("WC)	RPM	WHEEL SIZE	BHP	MAX. SONES	MOTOR H.P.	MOTOR VOLTAGE	MOTOR PHASE	MOTOR WATTS	WEIGHT (LBS.)	REMARKS
E-1	COOK	GC-220	75	0.25	1050	–	–	1.3	–	115	1	41	25	SWITCH WITH LIGHTS
E-2	COOK	GC-220	75	0.25	1050	–	–	1.3	–	115	1	41	25	SWITCH WITH LIGHTS
E-3	COOK	100C2B	500	0.25	1175	10"ø	0.04	6.0	1/6	115	1	–	70	W/ROOF CURB, BIRD SCREEN, AND BACKDRAFT DAMPER

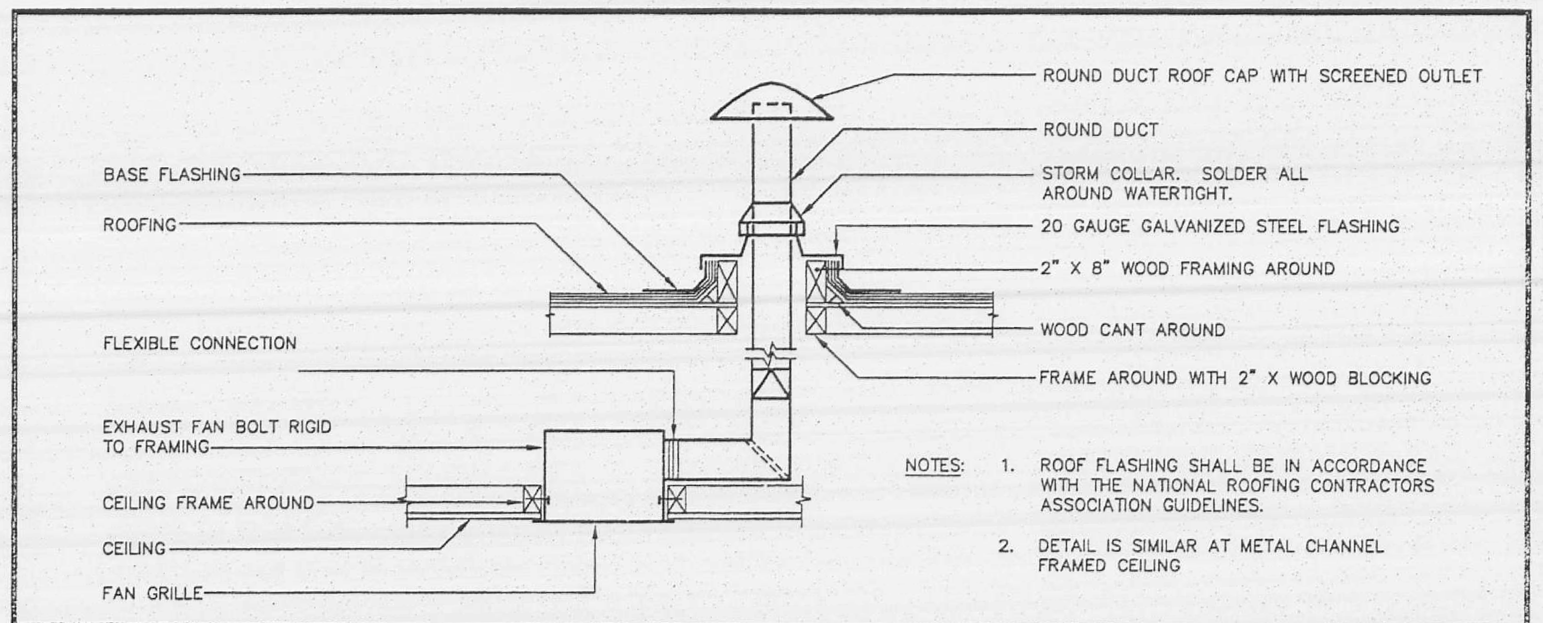
Air Conditioning Unit Schedule

UNIT NO.	MFGR.	MODEL NO.	EVAPORATOR FAN CFM	EVAPORATOR FAN WHEEL SIZE	EVAPORATOR FAN EXTERNAL STATIC PRESSURE	EVAPORATOR FAN FAN RPM	EVAPORATOR FAN MOTOR H.P.	COOLING COMPRESSOR NO.	COOLING COMPRESSOR TTL. KW.	COOLING COIL AREA	COOLING COIL ROWS	COOLING COIL FINS/IN	COOLING TOTAL BTU/HR	COOLING SENSIBLE BTU/HR	CONDENSER FANS NO.	CONDENSER FANS RPM	CONDENSER FANS WHEEL SIZE	CONDENSER FANS MOTOR H.P.	HEATING (GAS) INPUT BUTH	HEATING (GAS) OUTPUT BTUH	UNIT ELECTRICAL VOLTAGE	UNIT ELECTRICAL PHASE	UNIT ELECTRICAL MCA	MIN. EER	APPROX. UNIT WEIGHT (LB)	REMARKS
AC-1	CARRIER	48TJD006	2250	10"x10"	0.6"	1380	2	1	5.99	5.5	3	15	52,500	52,350	1	1100	22"ø	1/4	72,000	59,200	208	3ø	32.0	9.0	700	W/ROOF CURB, ECONOMIZER, & HONEYWELL T7300 THERMOSTAT AND SUBBASE
AC-2	CARRIER	48GS 024040	800	10"x10"	0.6"	–	350 WATTS	1	2.65	3.1	2	15	20,600	19,700	1	825	22"ø	1/8	40,000	32,400	208	1ø	18.8	9.0	380	AT AC-1, SMOKE DETECTOR TO PROVIDE FAN SHUT DOWN PER CMC SEC. 608

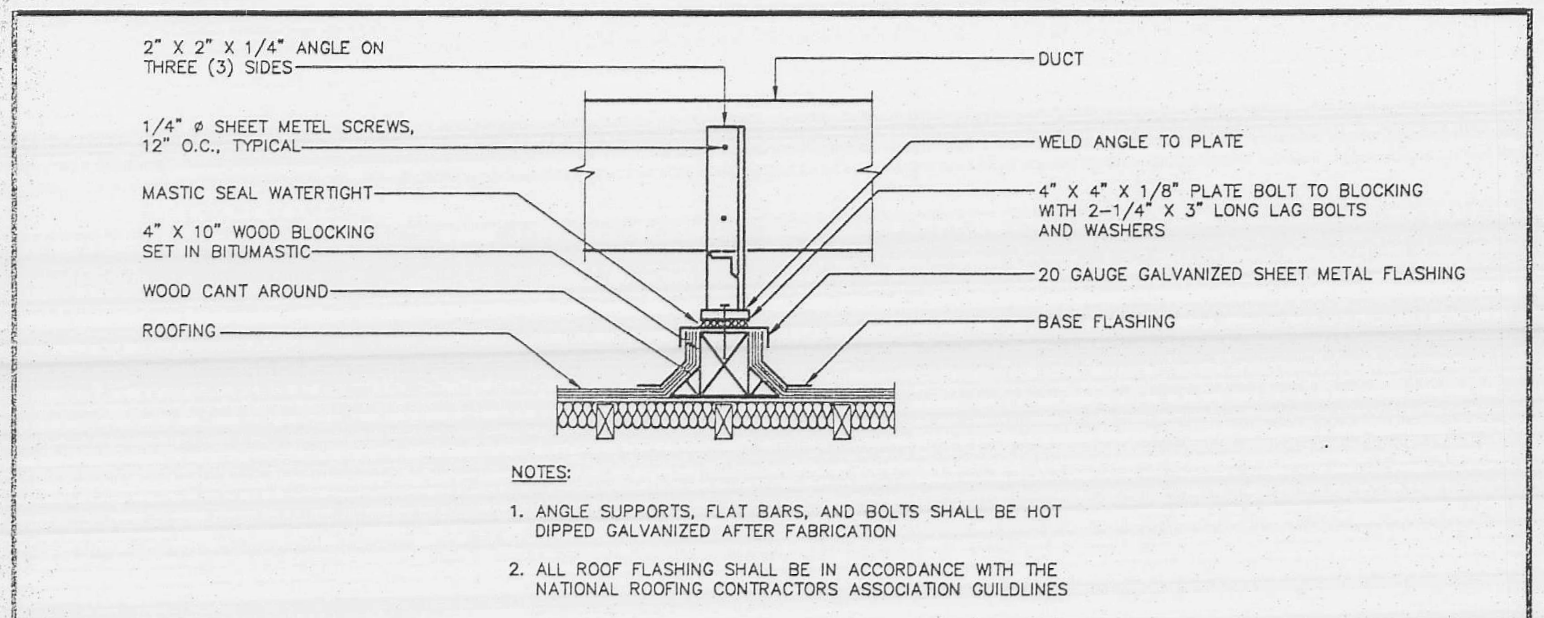
* 105°F. AMBIENT, 80°F. EDB/62°F. EWB, CFM AS INDICATED



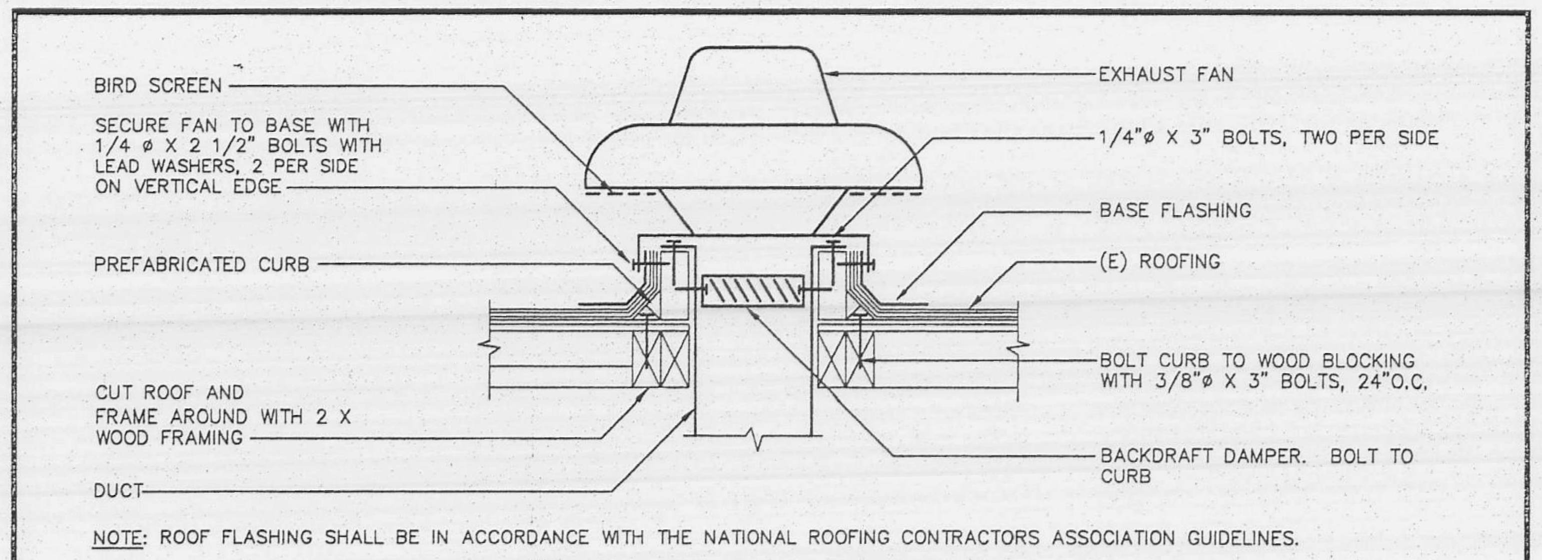
1 Detail – Mechanical Unit Support NOT TO SCALE



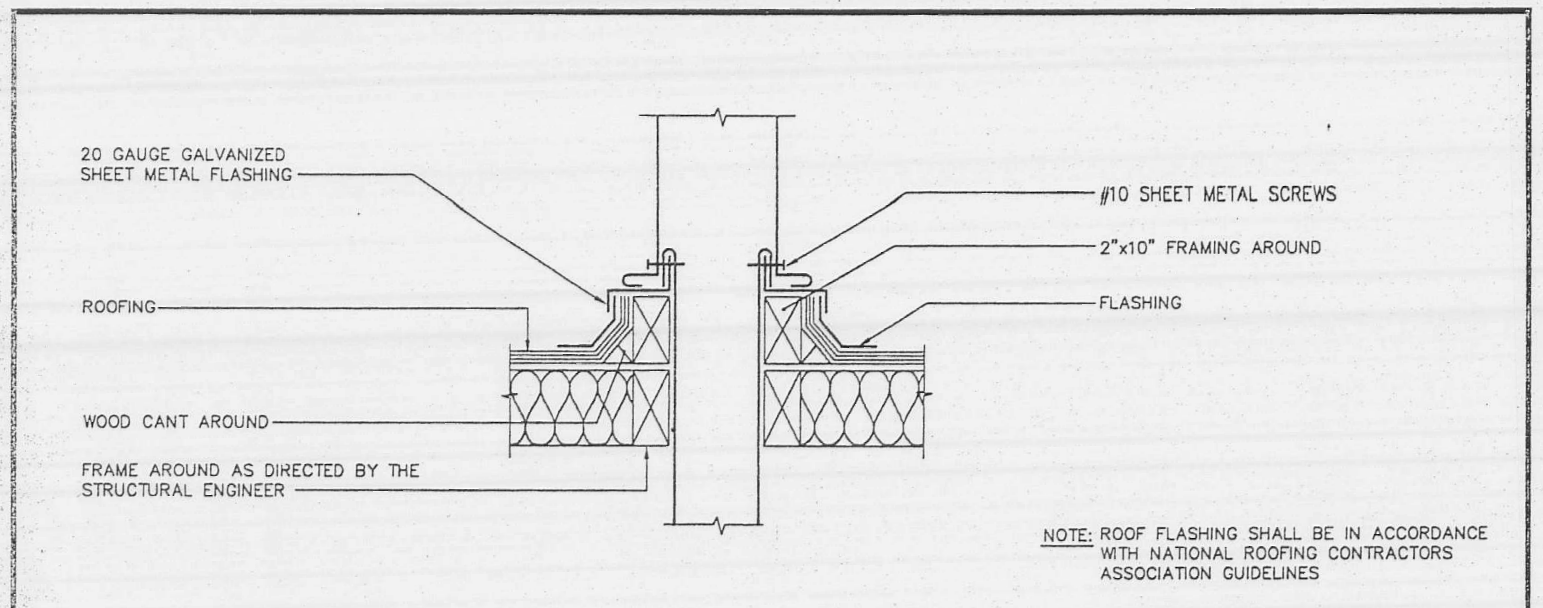
4 Detail – Ceiling Exhaust Fan NOT TO SCALE



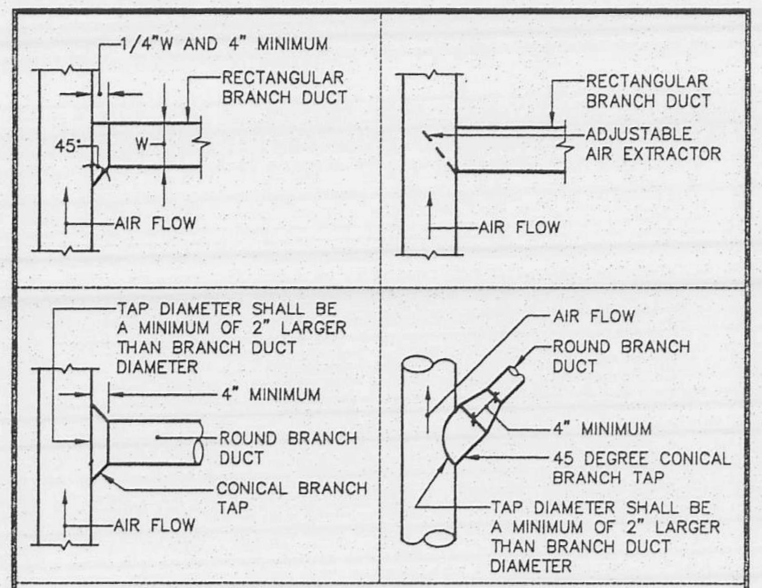
2 Detail – Duct Support On Roof NOT TO SCALE



5 Detail – Exhaust Fan Support NOT TO SCALE



3 Detail – Duct Through Roof NOT TO SCALE

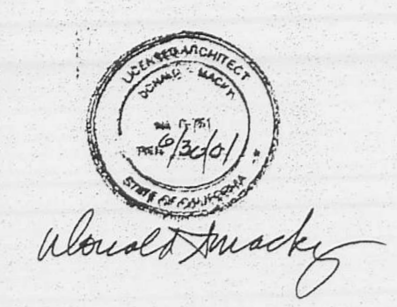


6 Detail – Supply Air Branch Connections

Mechanical Legend

12"ø	ROUND DUCT, INSIDE DIAMETER INDICATED
18x12	RECTANGULAR DUCT, INSIDE WIDTH AND INSIDE DEPTH
	SUPPLY DUCT, SECTION
	RETURN DUCT, SECTION
	EXHAUST DUCT, SECTION
FD	FIRE DAMPER IN DUCT
D	SINGLE BLADE VOLUME DAMPER
	TURNING VANE
	TAKE-OFF WITH ADJUSTABLE TURNING VANE
	ROUND CONICAL TEE WITH TAKE-OFF AT 45° TO DIRECTION OF MAIN DUCT
	ACCESS PANEL IN DUCT
	INTERNAL ACOUSTIC INSULATION INSIDE DUCT, SIZES SHOWN ARE NET INSIDE
500 / 18x18x1	CEILING DIFFUSER, CFM ON TOP, NECK SIZE AND NUMBER OF DIRECTIONS OF BLOW ON BOTTOM
-200 / 12x12	CEILING RETURN REGISTER, CFM ON TOP, NECK SIZE ON BOTTOM
-200 / 12x12	CEILING EXHAUST REGISTER, CFM ON TOP, NECK SIZE ON BOTTOM
-200 / 12x12	SIDEWALL EXHAUST, RETURN, OR RELIEF REGISTER, CFM ON TOP, NECK SIZE ON BOTTOM
500 / 18x12x1	SIDEWALL DIFFUSER, CFM ON TOP, NECK SIZE AND NUMBER OF DIRECTIONS OF BLOW ON BOTTOM
T	THERMOSTAT MOUNT ON WALL AT 50" AFF.
TYP.	TYPICAL
(E)	EXISTING
(N)	NEW
NTS	NOT TO SCALE
DN	DOWN
AFF	ABOVE FINISHED FLOOR

LEFLER ENGINEERING, INC.
1651 Second Street
San Rafael, CA 94901
(415) 456-4220
(415) 456-1248 fax



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OFFICE OF REGULATION SERVICES
APP # 101339
FILE #
AC FLS SS
DATE JUN 2 3 1999

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160 GRANT AVENUE, HEALDSBURG, CA 95448 USA
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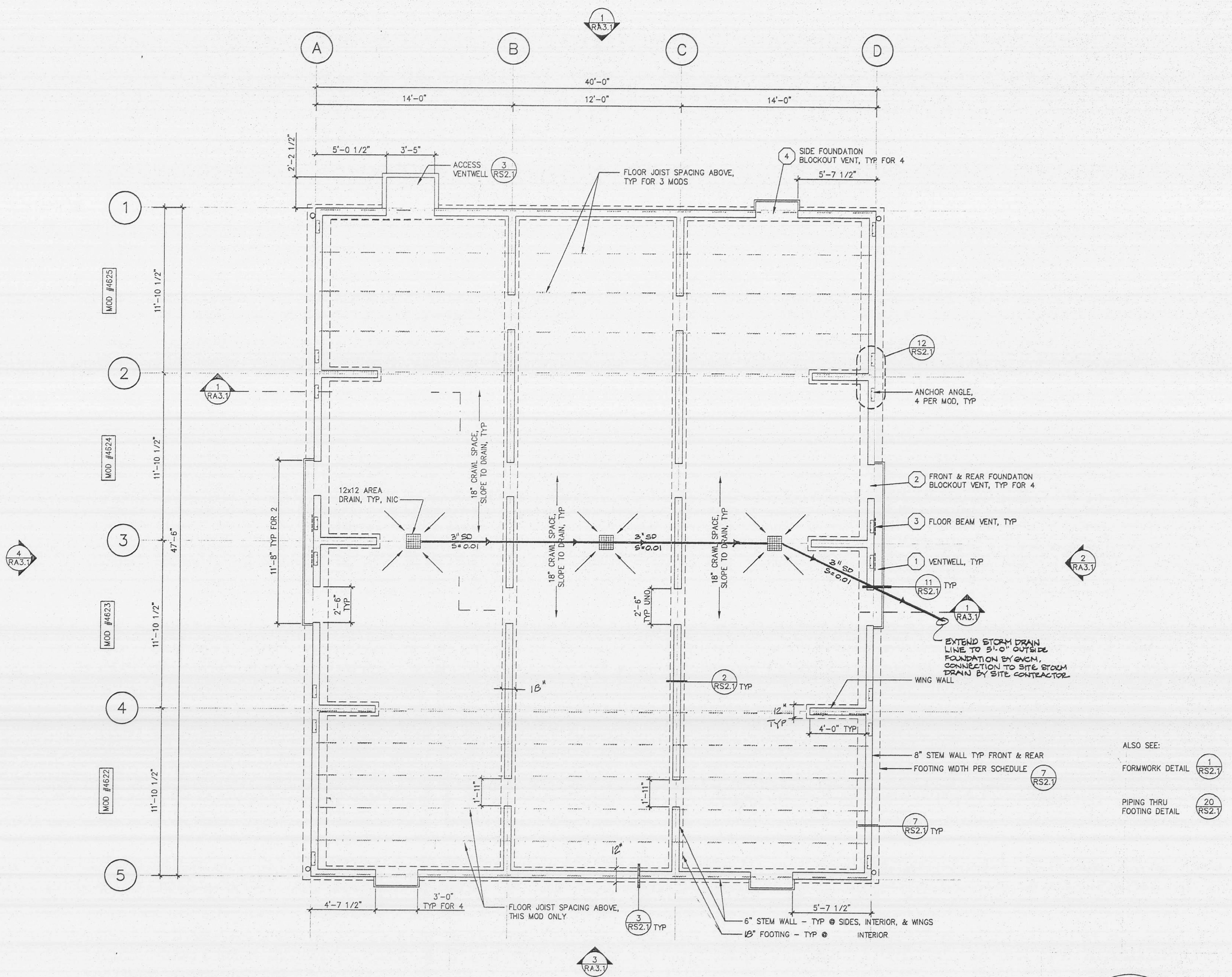
NAPA VALLEY COLLEGE WINE LAB

2277 NAPA-VALLEJO HWY, NAPA, CA 94558

DATE:	5-21-99
A?E PM:	XO
DRAWN BY:	JC
JOB:	99-477
MODS:	(4) 12x40

RM1.1



FOUNDATION PLAN

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

REFERENCE NORTH

UNDER FLOOR VENTILATION CALCULATIONS

NOTE: SEE SHEET RS2.1 FOR CONCRETE NOTES

VENTILATION REQUIRED

4 MODS x 12 FT (W) x 40 FT (L) = 1920 ф / 150 = 12.8 ф TOTAL REQUIRED

1. VENT WELL (8-1/2" WIDE)
   0.625 FT (W) x 35 FT (L) = 21.88 ф CLEAR AIR FLOW TO VENTS
2. FOUNDATION BLOCK OUT VENTS (30" x 18" EA)
   3.75 ф EA x 4 VENTS = 15.00 ф
3. FLOOR BEAM VENTS (14" x 5.5" EA)
   0.535 ф EA x 4 VENTS = 2.14 ф
4. FOUNDATION BLOCK OUT VENTS (36" x 18" EA)
   4.5 ф EA x 4 VENTS = 18.00 ф

35.14 ф TOTAL VENTILATION PROVIDED

DESIGN CRITERIA

STANDARD OCCUPANCY STRUCTURE

LOADS	
SEISMIC ZONE	4
WIND SPEED	80 MPH
EXPOSURE	C
ROOF LIVE	20 PSF
FLOOR LIVE	100 PSF
FOUNDATION REQUIREMENTS	
MINIMUM CODE	1000 PSF

REGISTERED PROFESSIONAL ENGINEER ROBERT E. KENT NO. S-3561 EXPIRES 3/03 STRUCTURAL STATE OF CALIFORNIA

6/1/99

Robert Kent

LICENSED ARCHITECT REN 6/30/01 STATE OF CALIFORNIA

Donald Anucky

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APP #101639
FILE #

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DATE JUN . . 1999

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NAPA VALLEY COLLEGE WINE LAB

2277 NAPA-VALLEJO HWY, NAPA, CA 94558

FOUNDATION PLAN

DATE: 6-14-99	
A+E PM: XO	
DRAWN BY: RDN	
JOB: 99-477	
MODS: (4) 12x40	
RS1.1	

GENERAL

1. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF TITLE 24 CALIF CODE OF REGULATIONS PART 2 OF THE STATE BUILDING CODE, 1995 EDITION AND LATER AMENDMENTS.
2. MIN ALLOWABLE SOIL BEARING PRESSURE 1000 PSF UNO
   DEAD PLUS LIVE F_{BR} = 1000 PSF
   D+L INCL WIND & SEISMIC F_{BR} = 1330 PSF

STRUCTURAL STEEL & MISC. METALS, BOLTS, ETC.

1. ALL STRUCTURAL STEEL FABRICATION AND ERECTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE "DESIGN FABRICATION OF STRUCTURAL STEEL FOR BUILDINGS BY AISC." STRUCTURAL STEEL SHALL MEET THE FOLLOWING ASTM REQUIREMENTS:
   SHAPES & PLATES — ASTM A-36
   TUBES — ASTM A-500, GRADE B
   LIGHT GAGE MEMBERS — ASTM A-570, GRADE 45
2. ALL STEEL MEMBERS SHALL BE GIVEN ONE SHOP COAT OF RUST INHIBITIVE PRIMER PRIOR TO ERECTION, EXCEPT THAT STEEL ENCASED IN CONCRETE OR MASONRY SHALL NOT BE PAINTED.
3. BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-307 (UNLESS NOTED OTHERWISE ON DRAWINGS). HOLE SIZE 1/16" MAX LARGER THAN BOLT.
4. WELDING ELECTRODES SHALL MEET AWS REQUIREMENTS EXCEPT THAT WELD METAL SHALL MATCH OR EXCEED TENSILE STRENGTH OF PARENT METAL, GENERALLY, ELECTRODES SHALL BE E70XX FOR SHIELDED METAL ARC, F7XX-EXXX FOR SUBMERGED ARC, AND E70-X FOR GAS METAL ARC.
5. ALL STRUCTURAL WELDS SHALL BE BY AN APPROVED AWS WELDER AND CERTIFIED BY A DSA APPROVED TESTING AGENCY.
6. DRY PACK UNDER COLUMN BASE PLATES TO BE MASTER BUILDERS EMBECO #636 OR EQUAL WHERE NOT EXPOSED TO WEATHER. OTHRWISE EMBECO #713.
7. DRILLED CONCRETE ANCHORS ARE TRU BOLT WEDGE ANCHORS BY ITW CORPORATION WHERE NOTED. (ICBO#1372).
8. WELDING INSPECTION SHALL BE PERFORMED BY AN AWS/CW CERTIFIED WELDING INSPECTOR.

MINIMUM NAILING SCHEDULE (USE TABLE 23A-I-Q OTHERWISE)

JOIST OR RAFTERS AT ALL BEARINGS— TOE NAILS, EACH SIDE	(2)10d
JOISTS OR RAFTERS TO SIDE OF STUDS	
EIGHT (8) INCH JOISTS OR LESS	(3)10d
FOR EA ADDITIONAL 4" OF JOIST DEPTH	(1)10d
BLOCKING BETWEEN JOISTS	
TO JOIST OR RAFTERS—TOE NAIL, EA SIDE, EA END	(2)10d
TO JOIST OR RAFTER BEARINGS, TOE NAIL, EA SIDE	(2)10d
BLOCKING BETWEEN STUDS, EACH END	TOE NAIL (2)10d
BRIDGING TO JOISTS, TOE NAIL EACH END	(2)8d
2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	(2)10d OR (3)16d GUN
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	10d @ 16"OC OR 16d GUN @ 12"OC
TOP PLATE TO STUD, END NAIL	(2)10d OR (3)16d GUN
STUD TO PLATE, TOE NAIL	(4)8d OR (3)10d GUN (END NAIL)
DOUBLED STUDS, FACE NAIL	10d @ 12" OC OR 16d GUN @ 8"OC
DOUBLED TOP PLATES, FACE NAIL	10d @ 12" OC OR 16d GUN @ 8"OC
TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	(2)10d OR (3)16d GUN
CONTINUOUS HEADER, TWO PIECES	10d @ 12" OC ALONG EA EDGE

CONCRETE CONSTRUCTION

1. CONCRETE SHALL BE HARD ROCK, WITH A DESIGN COMPRESSION STRENGTH OF FC' = 3000 PSI IN 28 DAYS. MIX DESIGN SHALL BE PER SEC. 1905A.2.3 METHOD B OR A NON DESIGNED MIX MUST CONFORM TO TABLE 19A-A-7 WITH THE FOLLOWING MINIMUM PROPORTIONS:

AGGREGATE SIZE – MAX	SACKS CEMENT PER YARD	GALLONS WATER PER SACK CEMENT
3/4" TO 1"	7.1	6.0
1 1/2"	6.6	6.0

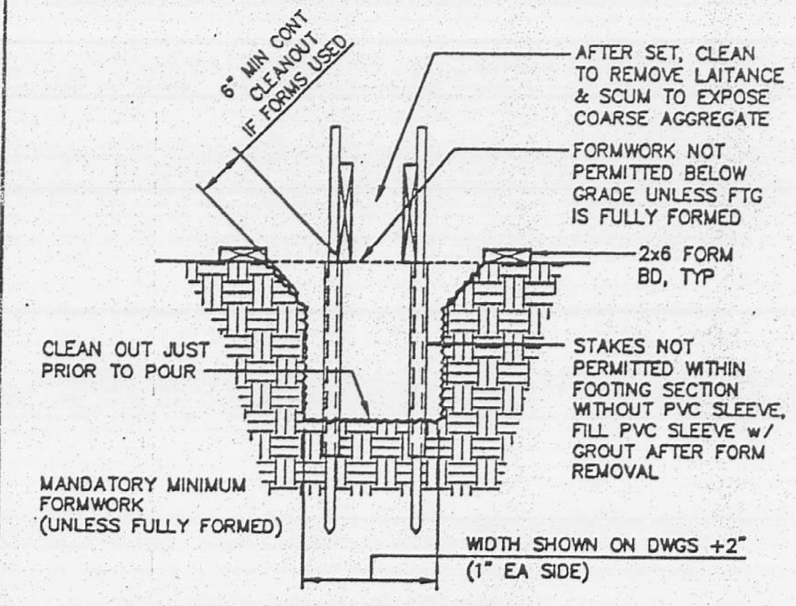
   BATCH PLANT INSPECTION MAY BE WAIVED WITH ARCHITECTS APPROVAL & CONFORMANCE WITH 1928A.5.
2. REINFORCING STEEL TO BE DEFORMED NEW BILLET STEEL, ASTM A-615. GRADE 40 #5 & UNDER, GRADE 60 #6 & GREATER.
   CONCRETE COVER FOR REINFORCING STEEL – 'CLR'
   CAST AGAINST EARTH OR GRADE – 3"
   EXPOSED TO EARTH OR GRADE
   #5 & SMALLER – 1 1/2"
   #6 & LARGER – 2"
   NOT EXPOSED TO EARTH OR WEATHER – 1"
   SLABS–FROM TOP OF CONC – 2"
   ALL REINFORCING BARS SHALL EXTEND AS FAR AS POSSIBLE AND END IN A STANDARD 90 OR 180 HOOK UNLESS DETAILED OTHERWISE

WOOD CONSTRUCTION

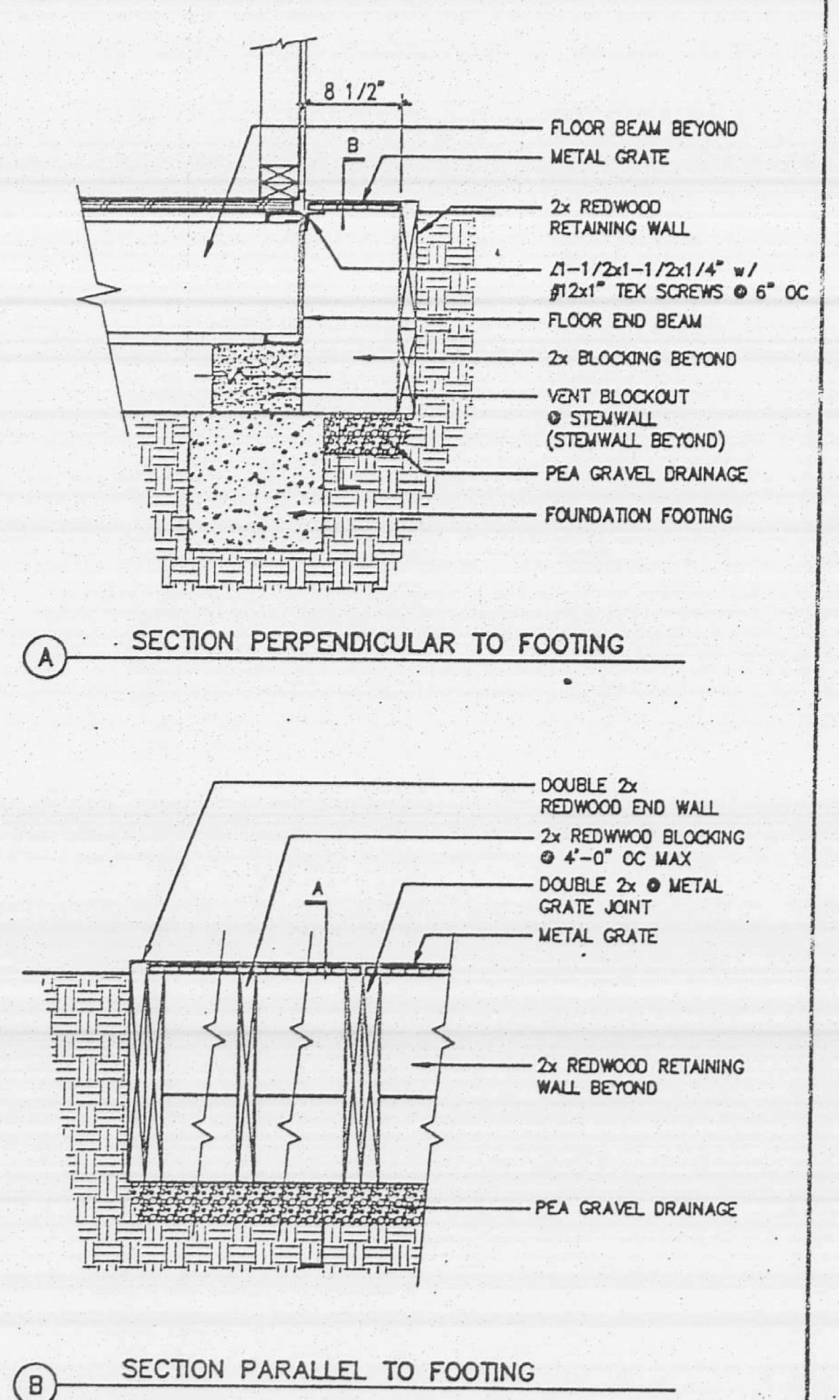
1. SAWN FRAMING LUMBER SHALL BE DF #2 OR BETTER, UNO IN SPECS. OTHER GRADE REQUIREMENTS ARE AS NOTED ON THE DRAWINGS.
2. NAILS TO BE OF COMMON WIRE WHERE NAILING IS SPECIFIED ON THE DRAWINGS, OTHERWISE BOX NAILS MAY BE USED PER NAILING SCHEDULE. NAILS USED IN EXTERIOR APPLICATIONS TO BE GALVANIZED.
3. WHERE METAL FRAMING CLIPS, HANGERS, ETC. ARE INDICATED ON THE DRAWINGS, THEY ARE "SIMPSON STRONG TIE", PER CATALOG C96. MAILING ADDRESS IS: P.O. BOX 1568, SAN LEANDRO, CA 94577. NAILING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS WITH A NAIL PROVIDED FOR EACH PUNCHED HOLE. WHERE NAILS ARE SPECIFIED TO BE FURNISHED BY THE MANUFACTURER THEY SHALL BE USED IN PLACE OF COMMON NAILS.
4. ALL WOOD SHALL BE PRESSURE TREATED PER UBC STANDARDS THAT IS LOCATED AS FOLLOWS: (UBC STD 25-12)
   1) WOOD IS IN CONTACT WITH EARTH.
   2) JOISTS ARE WITHIN 18" OF HEIGHT ABOVE EARTH & GIRDERS WITHIN 12".
   3) WOOD IS WITHIN 6" OF EXTERIOR PAVING THAT IS SLOPING AWAY FROM BUILDING AND EXTERIOR PAVING IS AT LEAST 18" WIDE
5. STRUCTURAL PLYWOOD SHALL BE GRADED AS NOTED ON DRAWINGS, STAMPED AND GRADED BY APA WITH EXTERIOR GLUE, PER EXP 1, ALL WOOD PLIES. PLYWOOD SHEETS SHALL ABUT ALONG CENTER LINE OF FRAMING MEMBER
6. FLOOR PLYWOOD SHALL BE GLUED TO METAL JOISTS IN ACCORDANCE WITH AMERICAN PLYWOOD ASSOCIATION STANDARDS.
7. STRUCTURAL PLYWOOD SHALL CONFORM TO APA PS 1-95

18 GENERAL + STRUCTURAL NOTES

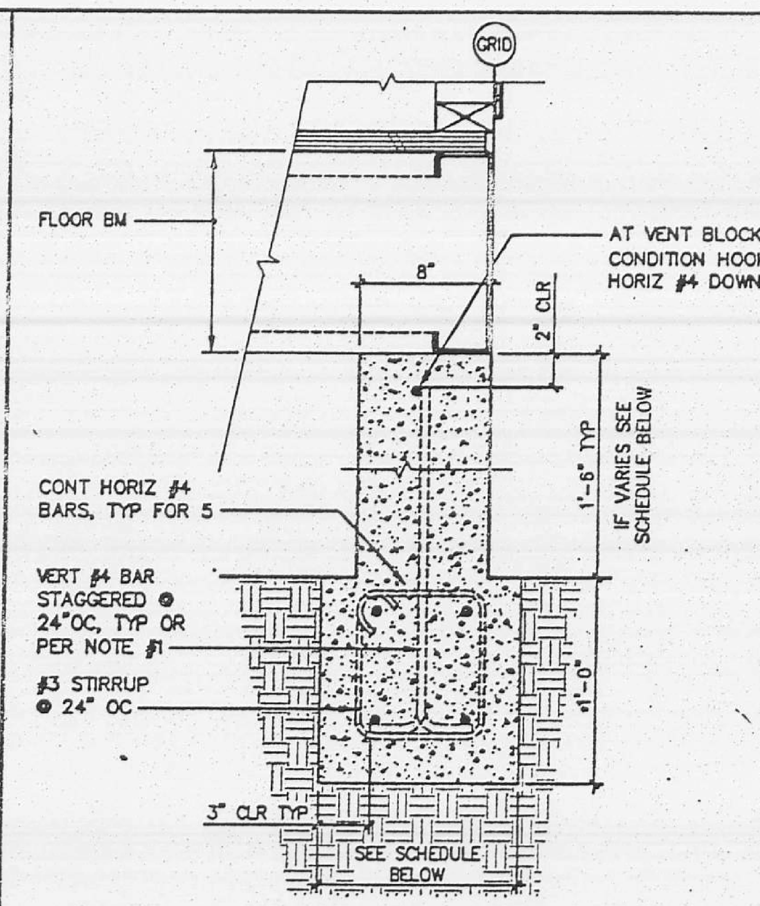
FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE SOILS ENGINEER SUBJECT TO THE APPROVAL OF THE DIVISION OF THE STATE ARCHITECT.



1 SECTION • FORMWORK
SCALE: 3/4" = 1'-0"



11 REDWOOD FOUNDATION VENT
SCALE: 1" = 1'-0"



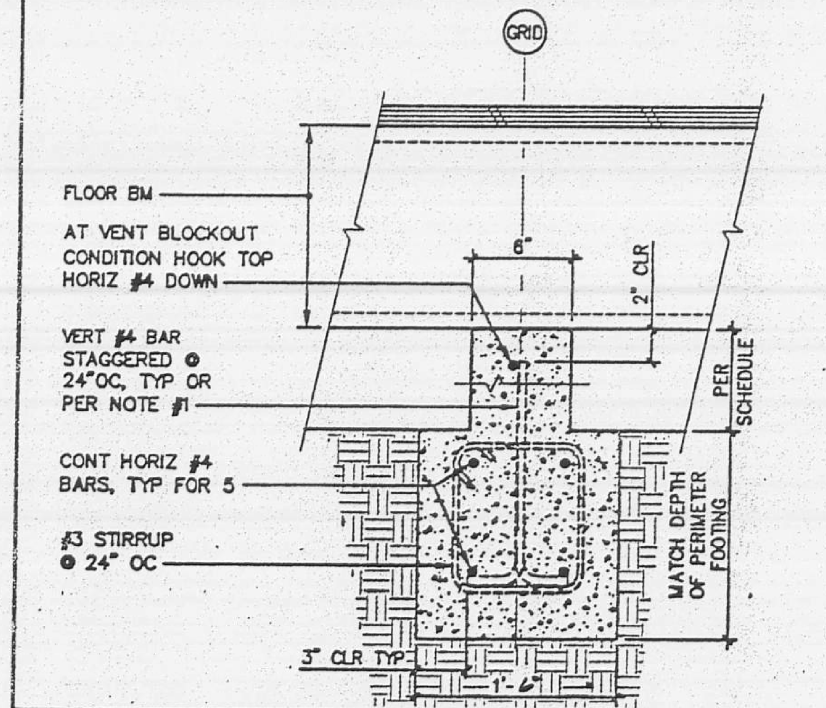
NOTES:

1. VERT BAR EACH SIDE OF ANCHORAGE ANGLE & WITHIN 6" OF OPENINGS
2. ADD 1" EA SIDE OF FOOTING PER DETAIL 1, TYP ALL FOOTINGS

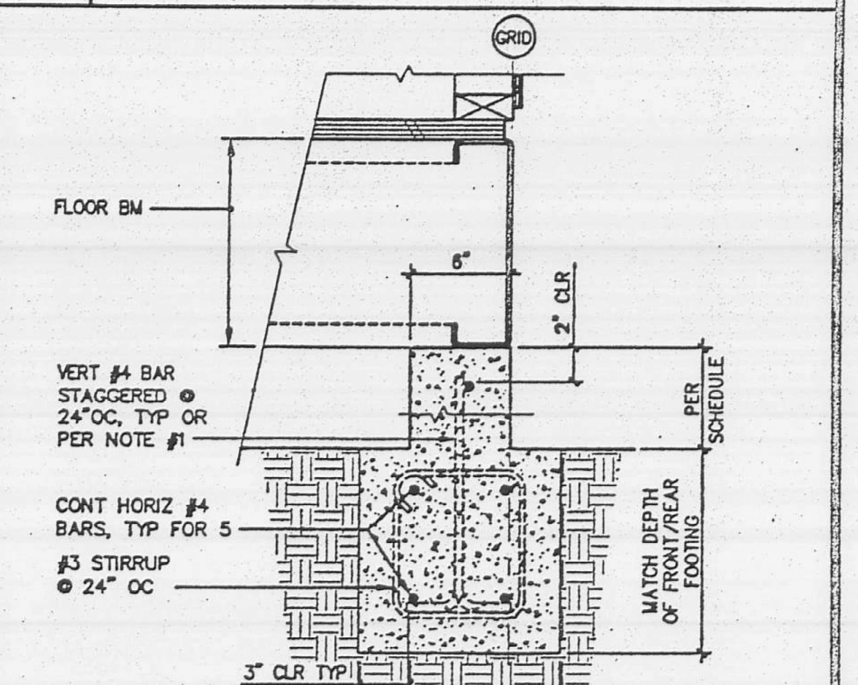
FOOTING SCHEDULE

STEM HEIGHT ABOVE GRADE	FOOTING WIDTH
(MIN) 6"	20"
12"	20"
18"	20"
24"	22"
30"	24"
36"	25"
42"	27"

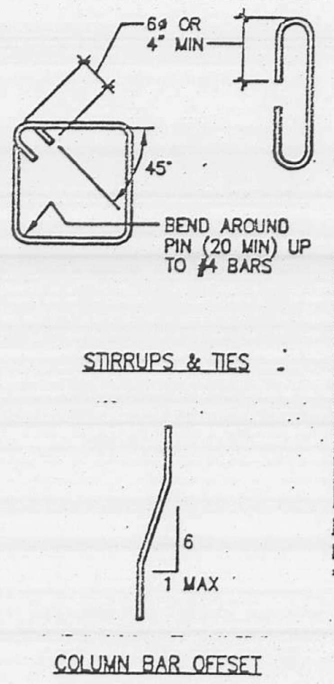
7 SECTION • FRONT + REAR FOOTING
SCALE: 1-1/2" = 1'-0"

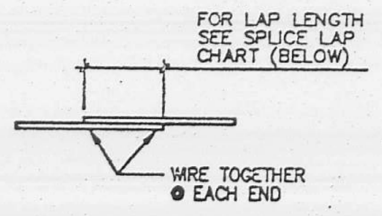


2 SECTION • INTERIOR FOOTING
SCALE: 1-1/2" = 1'-0"



3 SECTION • SIDE FOOTING
SCALE: 1-1/2" = 1'-0"

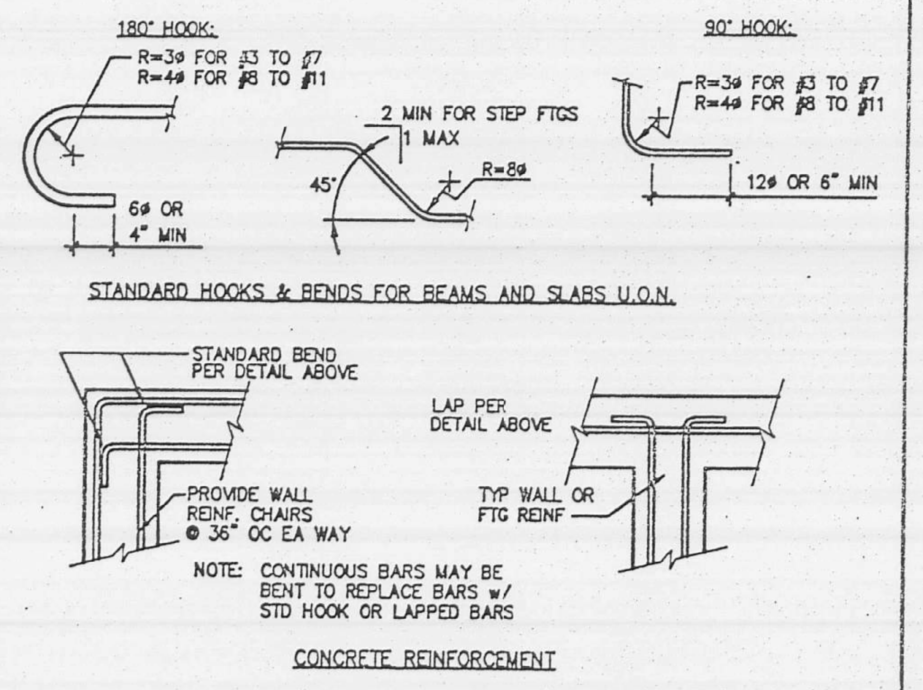




MINIMUM BAR LAPS FOR REINFORCING STEEL CONCRETE STRENGTH: 3000 PSI OR LESS (STAGGER SPLICES)					
SIZE	LAP LENGTH	SIZE	LAP LENGTH	SIZE	LAP LENGTH
#3	21"	#6	42"		
#4	28"				
#5	35"				

NOTE:
MIN CLR BAR SPACING (INCLUDING LAPS) = 1.5 x BAR DIAMETER

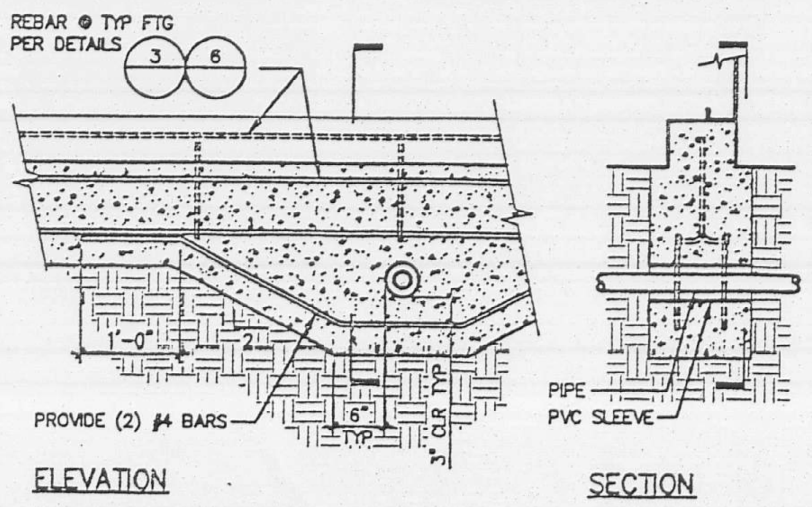
SPLICE LAP CHART



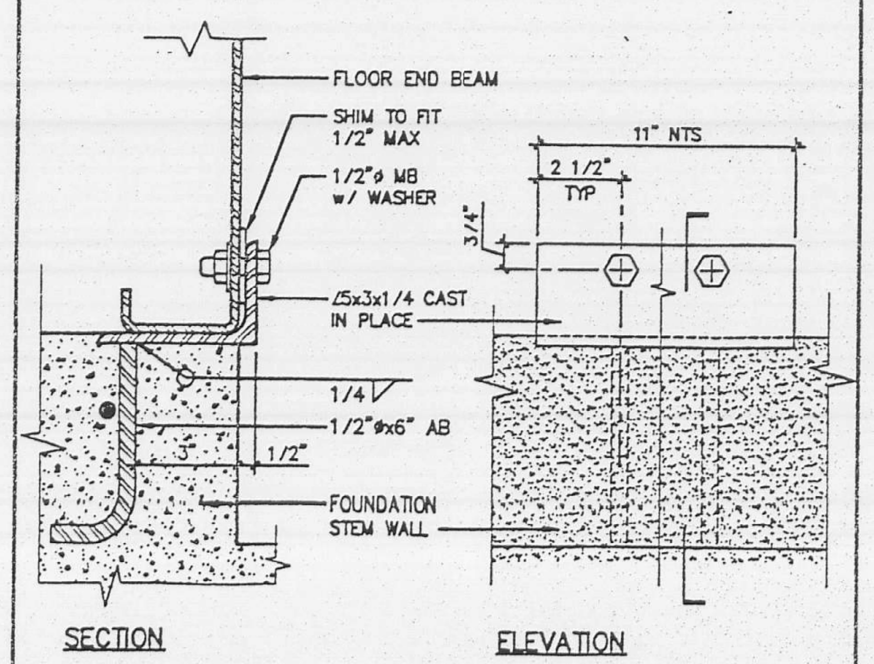
19 TYPICAL REINFORCING DETAILS
SCALE: NONE

NOTES:

1. PIPE & ANY PENETRATION THRU FOUNDATION SHALL ALLOW FOR 1" OF MOTION IN ANY DIRECTION
2. SLEEVES SHALL BE PVC w/ AN ID 2" LARGER THAN PIPE OD. SLEEVES SHALL BE 3" CLEAR TO ANY REBAR.
3. PLUMBING EMBEDDED IN CONC SHALL BE PROVIDED w/ FLEXIBLE COUPLINGS @ ENTRY & EXIT POINTS
4. WRAPPED PIPES SHALL BE 3" CLEAR FROM WRAPPING TO ANY REBAR
5. FOAM WRAPPED PIPES SHALL HAVE MIN 1/2" LAYER OF FOAM

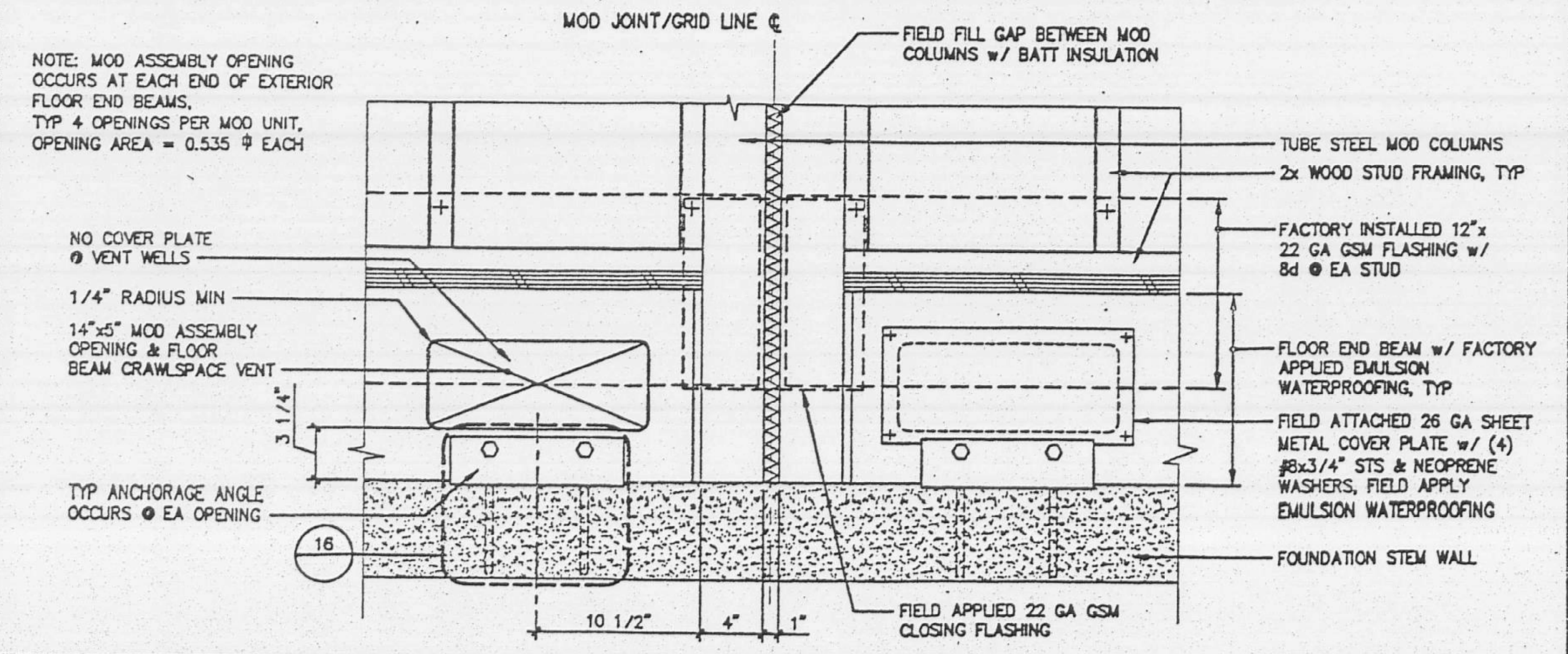


20 PIPE THROUGH FOOTING



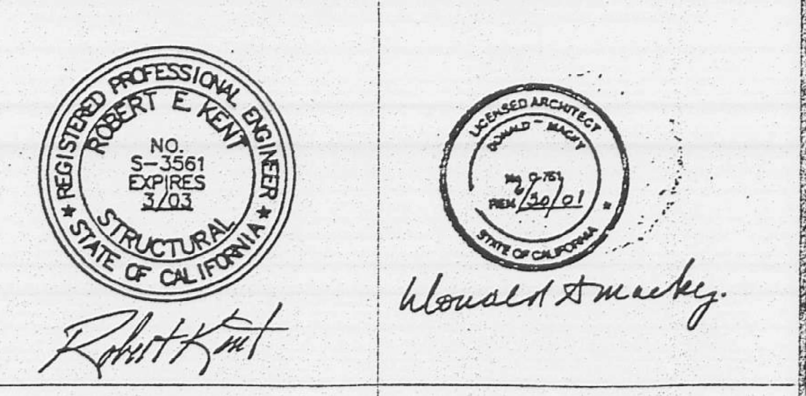
16 ANCHORAGE ANGLE CONNECTION

NOTE: MOD ASSEMBLY OPENING OCCURS AT EACH END OF EXTERIOR FLOOR END BEAMS. TYP 4 OPENINGS PER MOD UNIT, OPENING AREA = 0.535 # EACH



12 MOD JOINT • FLOOR

DEFERRED APPROVAL - SEE COVER SHEET



IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP # 01639
FILE #
AC ___ FLS ___ SS ___
DATE JUN 2 3 1999

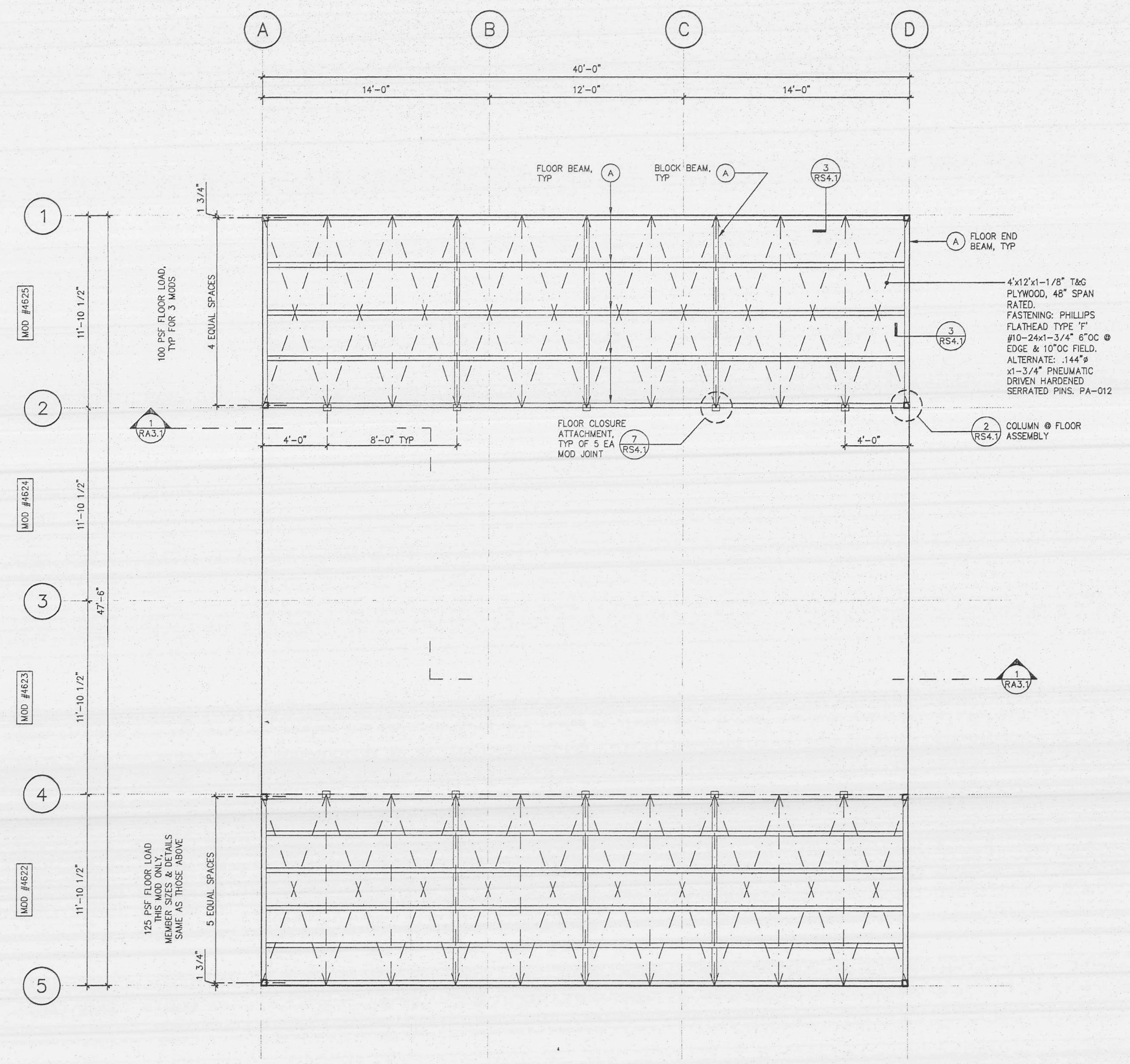
GV CUSTOM MODULAR CONSTRUCTION, INC.
160 GRANT AVENUE, HEALDSBURG, CA 95448 USA
PO BOX 1805 COMMERCIAL LIC.#2852884
PHONE: 707/431-2236 FAX: 707/431-7338
EMAIL: arch@gvcm.com WEB: http://www.gvcm.com

NAPA VALLEY COLLEGE
WINE LAB
2277 NAPA-VALLEJO HWY, NAPA, CA 94558

FOUNDATION DETAILS

DATE: 6-14-99
A+E PM: XO
DRAWN BY: RDN
JOB: 99-477
MODS: (4) 12x40

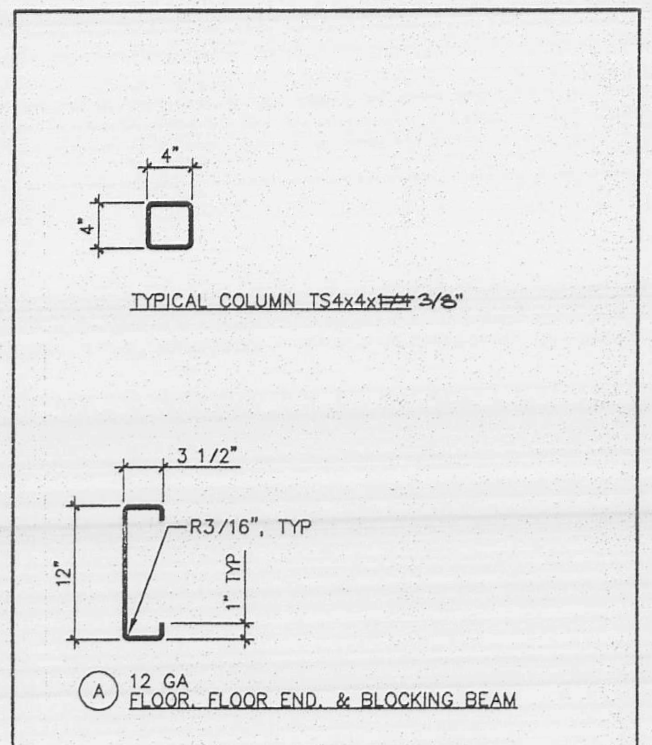
RS2.1



FLOOR FRAMING PLAN

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

REFERENCE NORTH



FLOOR STEEL SECTIONS

SCALE: 1" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER ROBERT E. KENT NO. S-3561 EXPIRES 3/03 STRUCTURAL STATE OF CALIFORNIA

Robert Kent

LICENSED ARCHITECT DONALD MACKY STATE OF CALIFORNIA

Donald Macky

IDENTIFICATION STAMP
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OFFICE OF REGULATION SERVICES
APP # 101639
FILE #
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160 GRANT AVENUE, HEALDSBURG, CA 95448 USA
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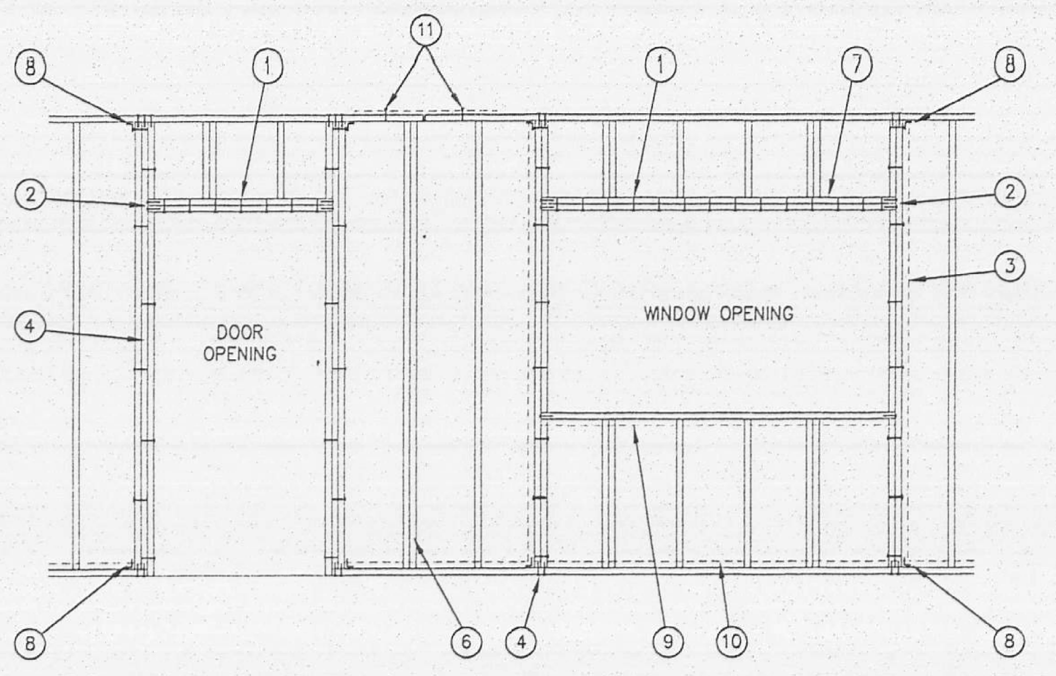
NAPA VALLEY COLLEGE WINE LAB

2277 NAPA-VALLEJO HWY, NAPA, CA 94558

FLOOR FRAMING PLAN

DATE: 6-14-99
A+E PM: XO
DRAWN BY: RDN
JOB: 99-477
MODS: (4) 12x40

RS3.1



NOTES:

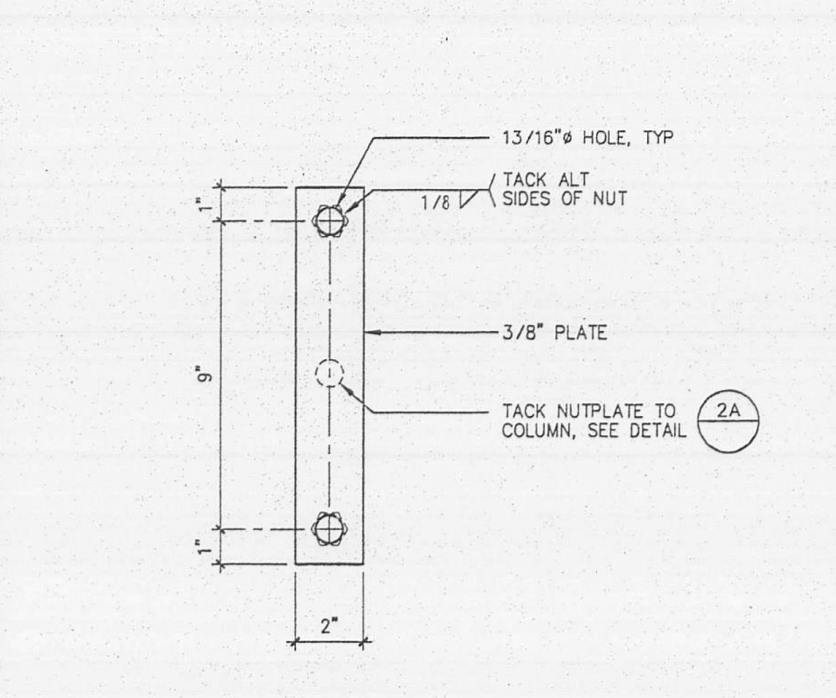
MACHINE NAILING PERMITTED FOR WALLS CONSTRUCTED IN THE HORIZONTAL POSITION & HAVING APPROVAL FROM THE ARCHITECT & THE DSA REPRESENTATIVE BY DEMONSTRATING PERFORMANCE FOR THIS JOB.

ALL SHINERS TO BE REMOVED & REPLACED BY HAND.

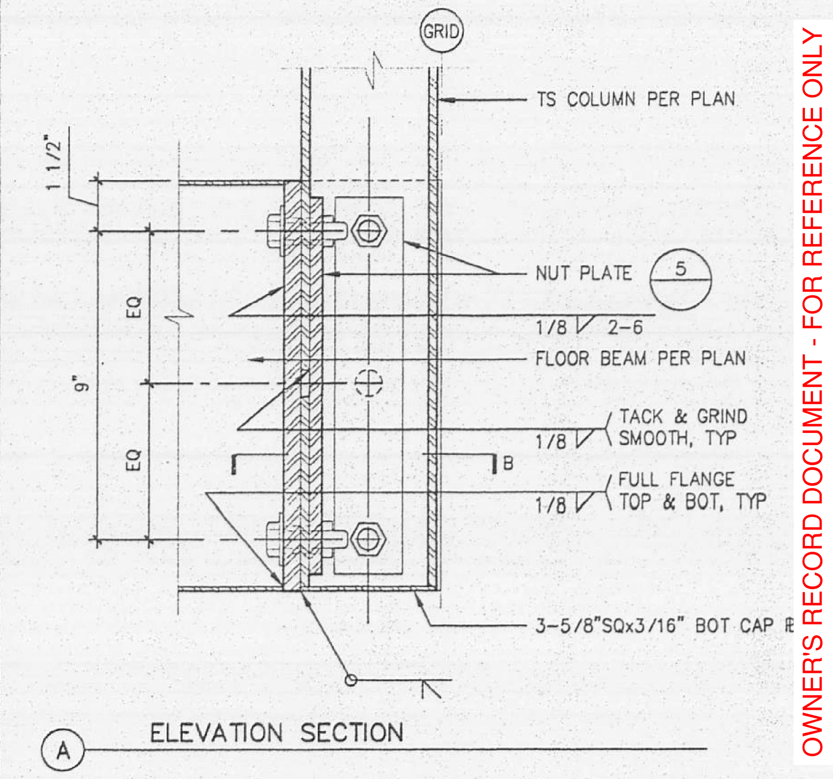
SIDEWALL STUDS OVER 10' TALL REQUIRE DOUBLE STUDS.

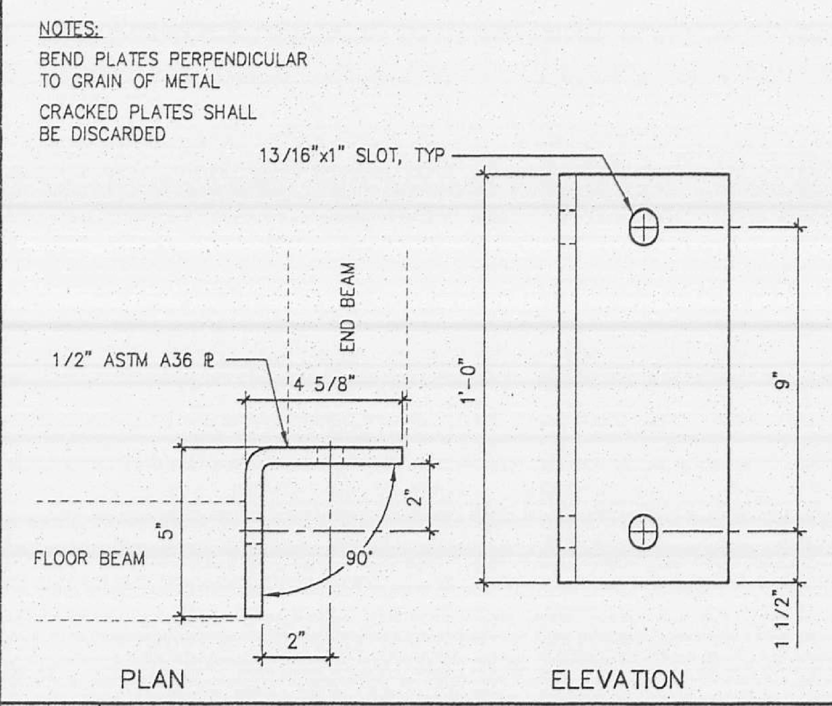
1. 10d @ 6" OC
2. (2) 10d EA END EA 2x4 @ HEADER & SILL
3. 2 KING & 1 CRIPPLE @ WINDOWS, INTER-NAIL w/ 10d @ 16" OC STAGGERED, 3 KINGS @ ROUGH OPENINGS OVER 6'-0"
4. 2 KINGS & 1 CRIPPLE @ DOORS, INTER-NAIL w/ 10d @ 16" OC STAGGERED
5. (2) 10d PER STUD, TYP
6. DBL STUD @ PLYWD JOINTS, TYP
7. DBL 2x HEADER, ONE 4x HEADER @ ROUGH OPENINGS OVER 6'-0" WIDE, OPENING NOT TO EXCEED 8'-0"
8. A34s TYP TOP & BOT @ BOTH SIDES OF ROUGH OPENINGS OVER 6'-0"
9. DBL SILL @ ROUGH OPENINGS OVER 6'-0"
10. DBL SILL @ STUCCO EXT FINISH
11. ONE #12x2" RHWS THRU BOTTOM FLANGE OF STL ROOF BEAM INTO TOP PLATE @ 9" EA SIDE OF TOP PLATE JOINT, TYP

13 EXTERIOR WALL FRAMING
SCALE: 3/8"=1'-0"

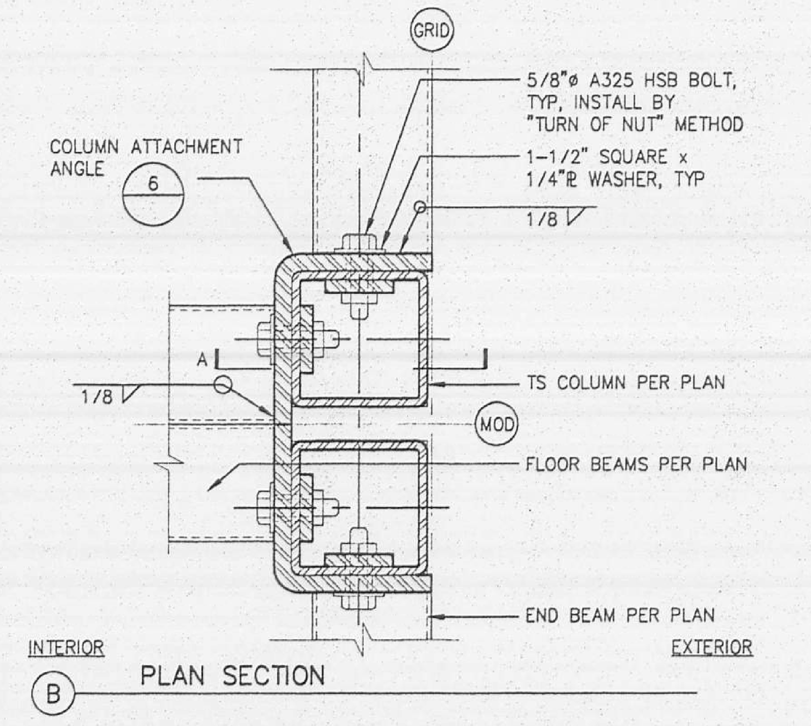


5 COLUMN NUT PLATE @ BASE
SCALE: 3"=1'-0"

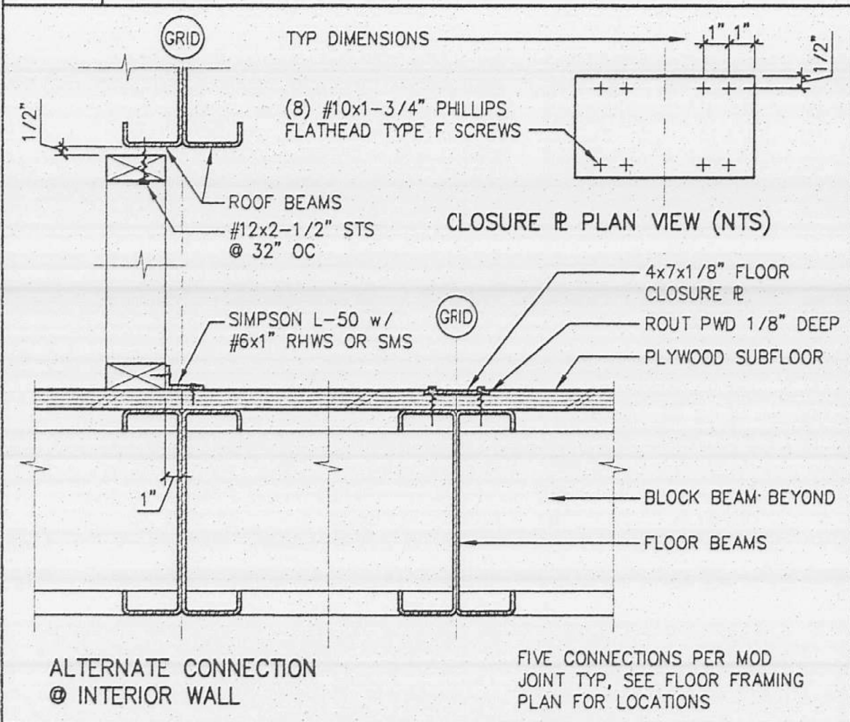




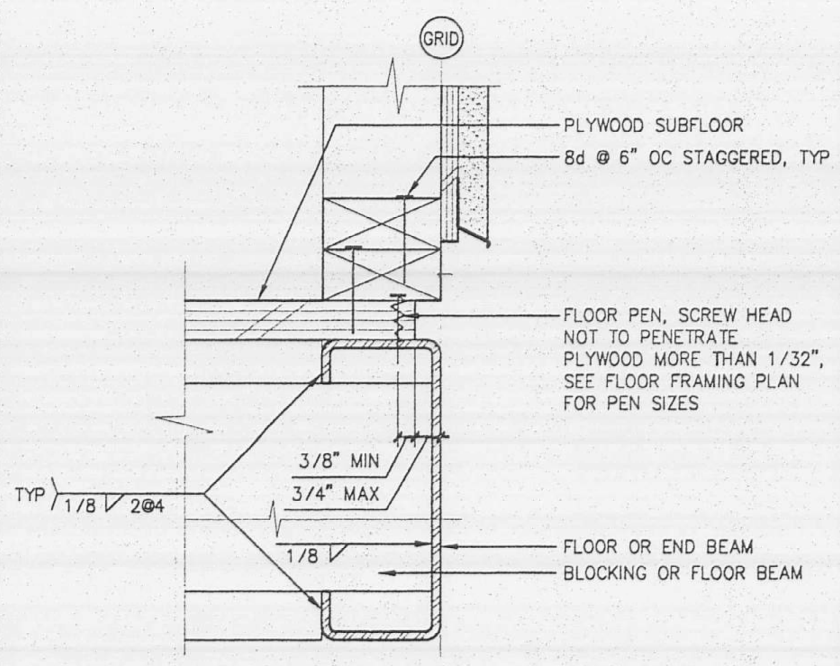
6 COLUMN ATTACHMENT ANGLE
SCALE: 3"=1'-0"



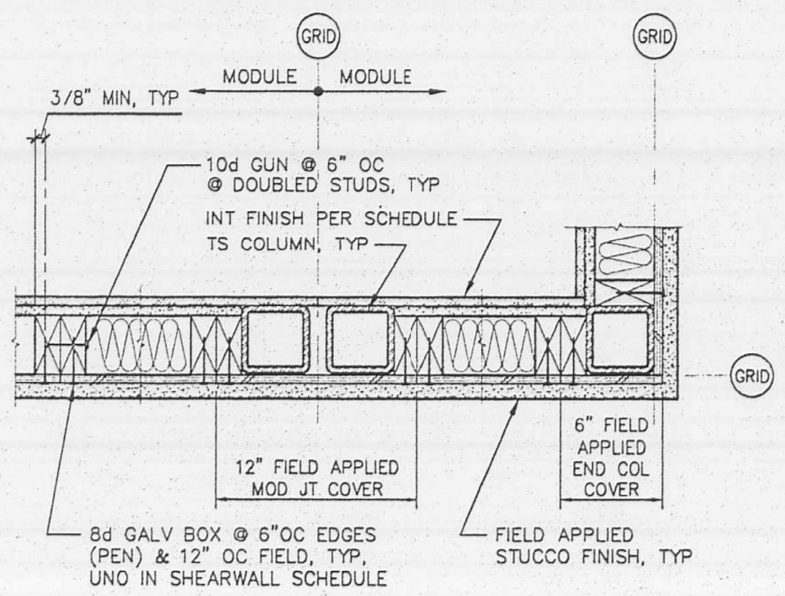
2 COLUMN TO FLOOR ASSEMBLY
SCALE: 3" = 1'-0"



7 FLOOR CLOSURE PLATE
SCALE: 1-1/2" = 1'-0"



3 FLR PERIMETER + BEAM ATTACHMNT
SCALE: 3" = 1'-0"



8 EXT PLYWOOD ATTACHMENT
SCALE: 1-1/2"=1'-0"

REGISTERED PROFESSIONAL ENGINEER ROBERT E. KENT NO. S-3561 EXPIRES 3/03 STRUCTURAL STATE OF CALIFORNIA

LICENSED ARCHITECT DONALD MACKY STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
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150 GRANT AVENUE, HEALDSBURG, CA 95448 USA
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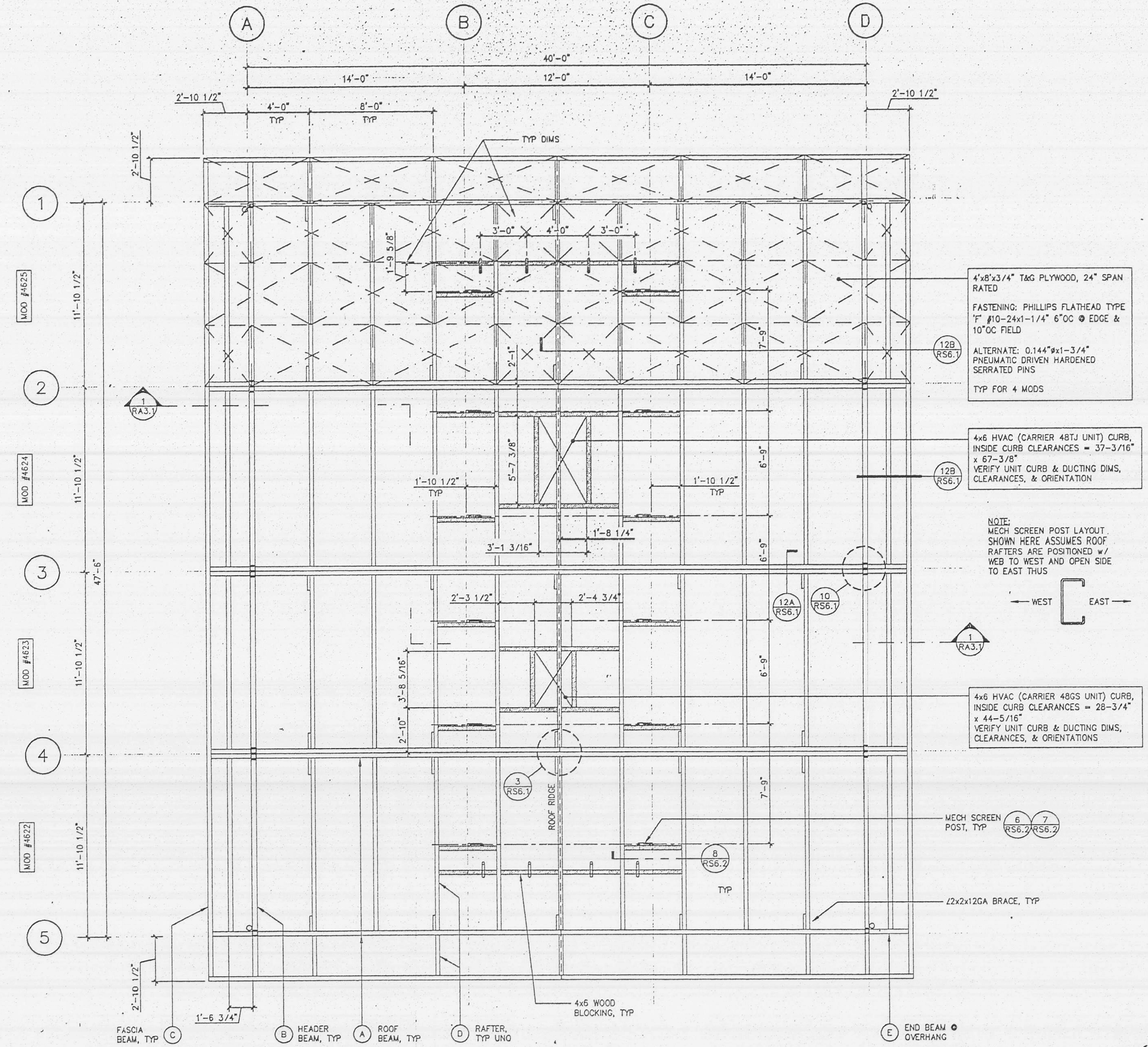
NAPA VALLEY COLLEGE
WINE LAB
2277 NAPA-VALLEJO HWY, NAPA, CA 94558

FLOOR FRAMING DETAILS

DATE:	5-17-99
A+E PM:	XO
DRAWN BY:	RDN
JOB:	99-477
MODS:	(4) 12x40

RS4.1

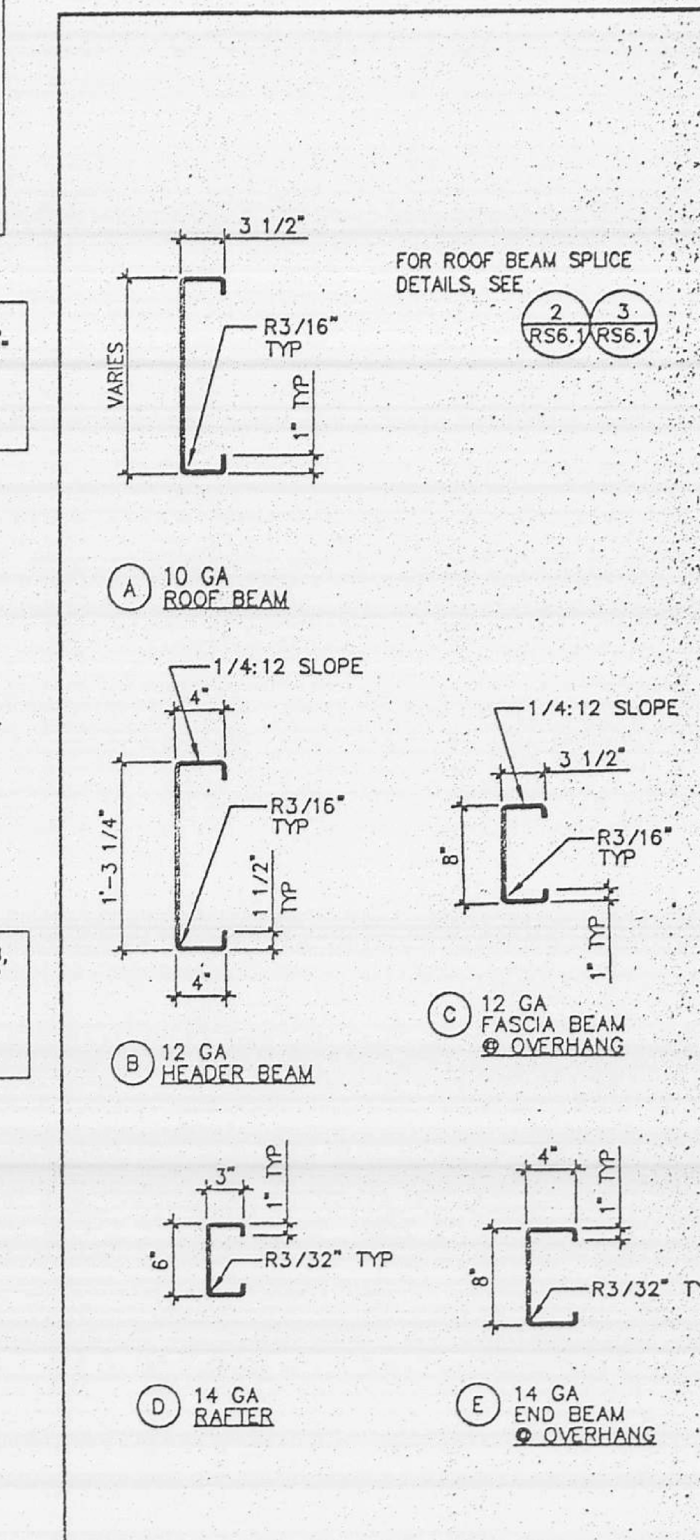
\477 Napa Wine Lab\RS41.dwg Mon May 17 16:32:11 1999 Plotted by RDN



ROOF FRAMING PLAN

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

REFERENCE NORTH



ROOF STEEL SECTIONS

SCALE: 1" = 1'-0"

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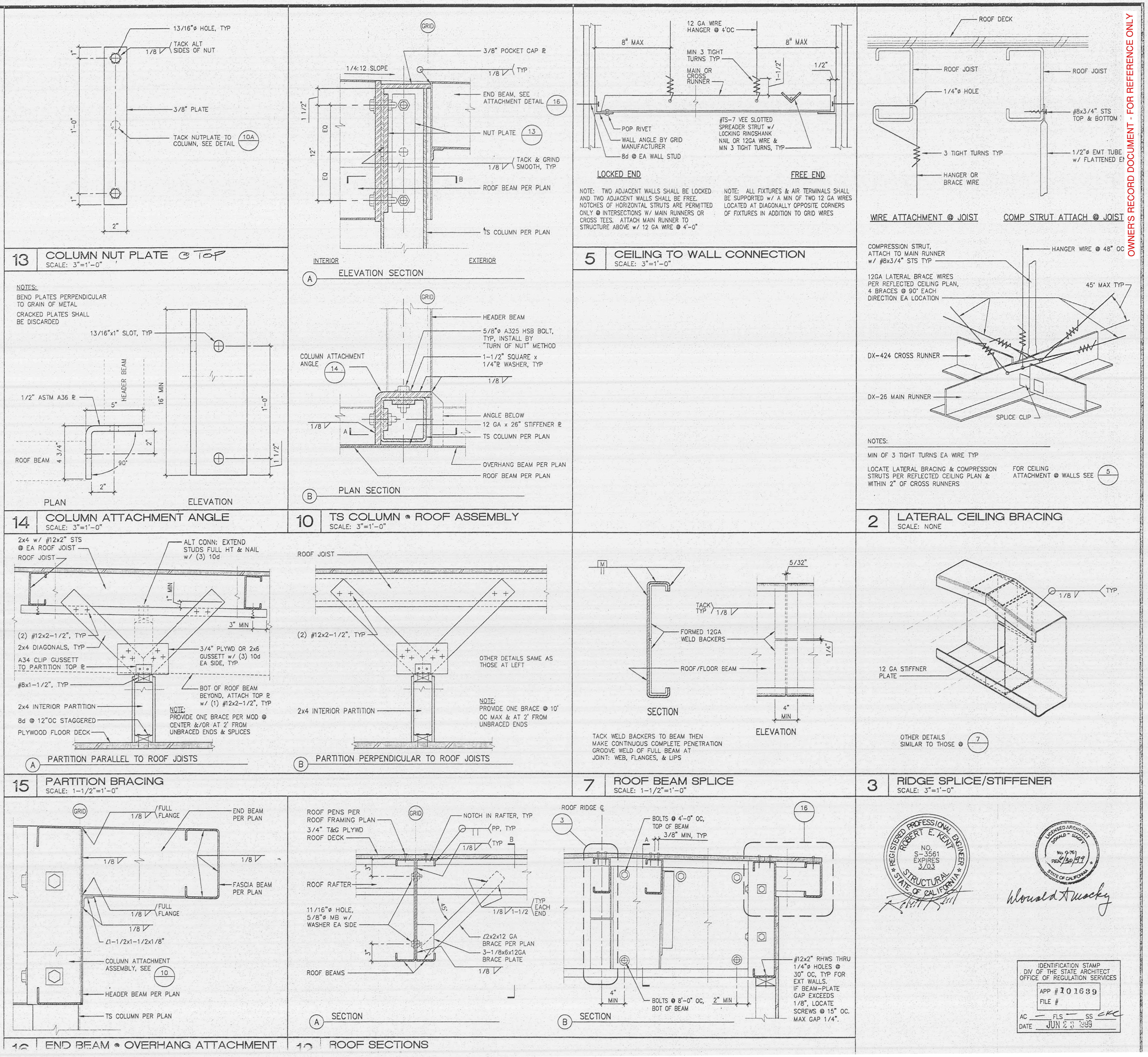
NAPA VALLEY COLLEGE
WINE LAB
2277 NAPA-VALLEJO HWY, NAPA, CA 94558

ROOF FRAMING PLAN

DATE: 6-14-99
A+E PM: XO
DRAWN BY: RDN
JOB: 99-477
MODS (4) 12x40

RS5.1



REGISTERED PROFESSIONAL ENGINEER ROBERT E. KENT No. S-3561 EXPIRES 3/03 STRUCTURAL STATE OF CALIFORNIA

LICENSED ARCHITECT DONALD ... No. C-7... REN. 6/30/99 STATE OF CALIFORNIA

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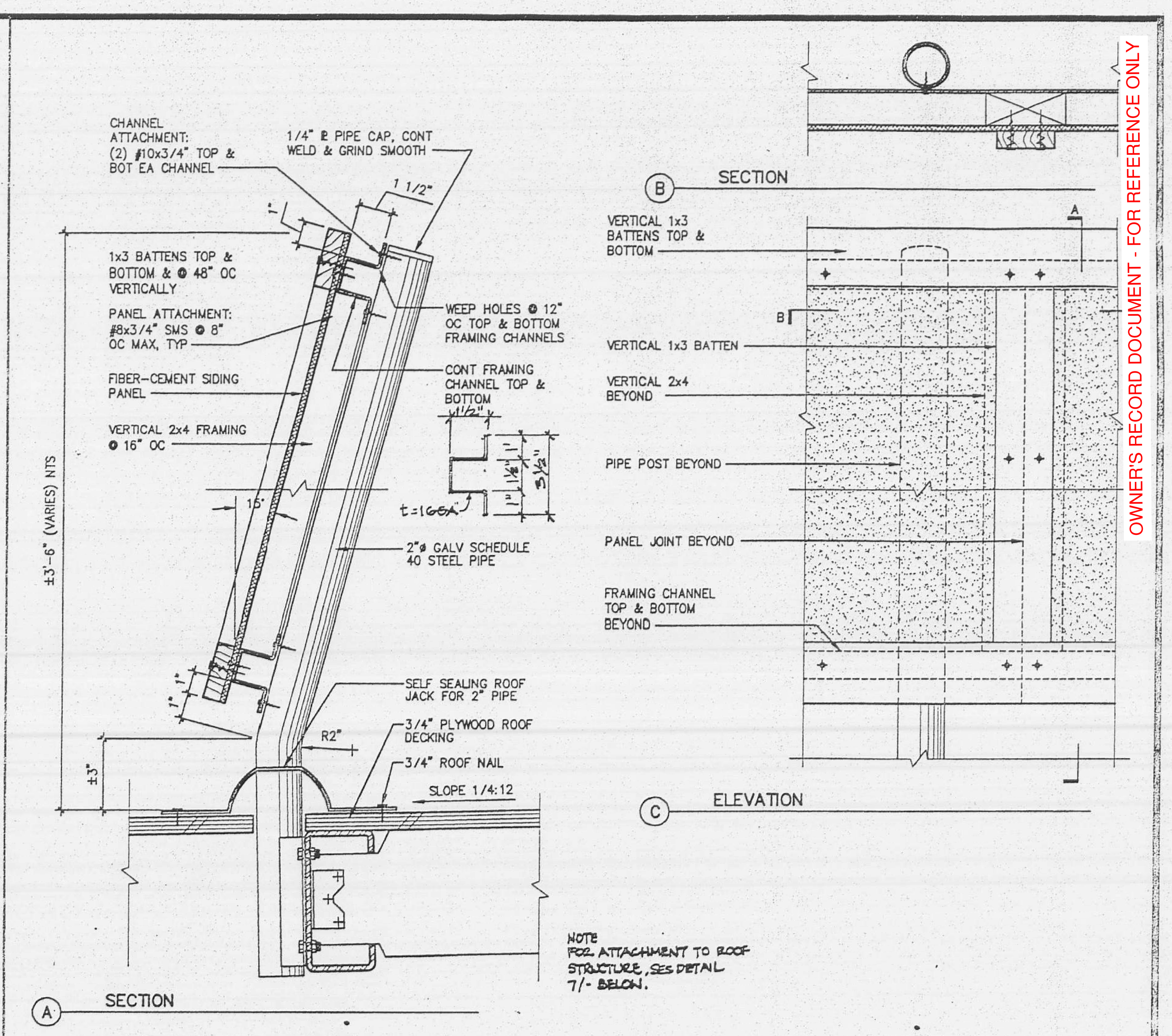
NAPA VALLEY COLLEGE WINE LAB
2277 NAPA-VALLEJO HWY, NAPA, CA 94558

ROOF FRAMING DETAILS

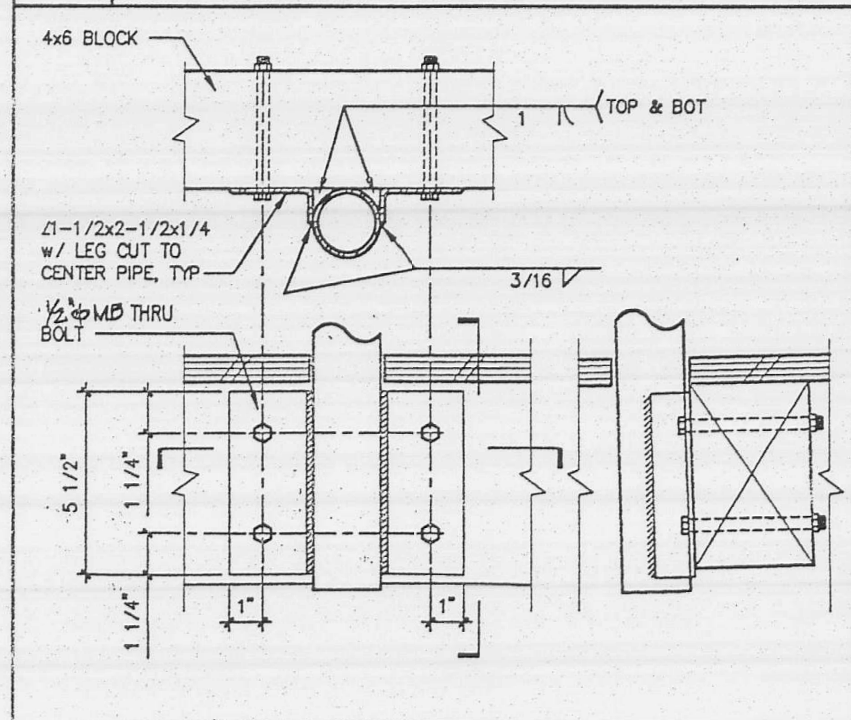
DATE:	5-17-99
A+E PM:	XO
DRAWN BY:	RDN
JOB:	99-477
MODS:	(4) 12x40

RS6.1

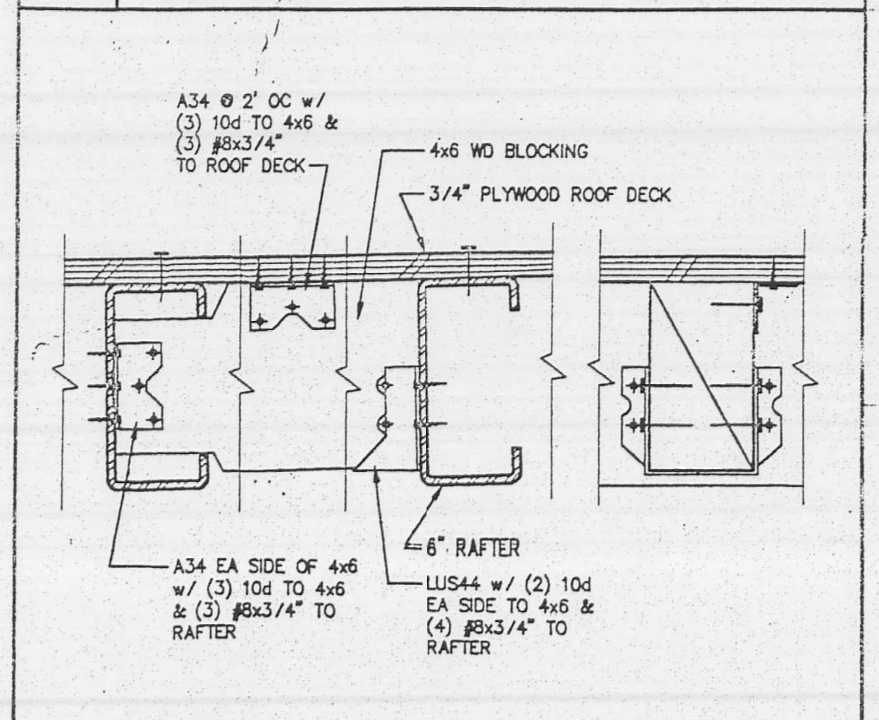
7 Napa Wine Lab\RS61.dwg Mon May 17 15:33:50 1999 Plotted by RDN



6 MECHANICAL SCREEN
SCALE: 3"=1'-0"



7 MECH SCREEN POST BRACKET
SCALE: 3"=1'-0"



8 ROOF BLOCKING

REGISTERED PROFESSIONAL ENGINEER ROBERT E. KENT No. S-3961 EXPIRES 3/03 STRUCTURAL STATE OF CALIFORNIA

LICENSED ARCHITECT DONALD I. MACKY No. C-7511 REN. 1/30/01 STATE OF CALIFORNIA

Robert Kent Donald I. Macky

IDENTIFICATION STAMP
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APPL 101639
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DATE JUN 23 1999

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160 GRANT AVENUE, HEALDSBURG, CA 95448 USA
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WINE LAB
2277 NAPA-VALLEJO HWY, NAPA, CA 94558

ROOF FRAMING DETAILS

DATE: 6-14-99
A+E PM: XO
DRAWN BY: RDN
JOB: 99-477
MODS: (4) 12x40

RS6.2