ABBREVIATIONS

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& ∠ © С d _ ₽ # A.B. A.C.	AND ANGLE AT CENTER LINE CHANNEL DIAMETER PENNY PERPENDICULAR PLATE OR PROPERTY LINE POUND OR NUMBER ANCHOR BOLT ASPHALT CONCRETE	E: (E) EA. E.J. ELEC. ELEV. EMER. E.N. ENCL. E.P. EQ. EQUIP. EST.	EXISTING EAST EACH EXPANSION JOINT ELECTRICAL ELEVATOR OR ELEVATION EMERGENCY EDGE NAILING ENCLOSURE ELECTRICAL PANELBOARD EQUIPMENT ESTIMATE
ACOUS. ADJ. AGGR. ALUM. ANOD. APPROX. ARCH. ASPH. ASS'Y	ACOUSTICAL ADJUSTABLE AGGREGATE ALUMINUM ANODIZED APPROXIMATE ARCHITECT ASPHALT ASSEMBLY	E.W.C. EXCA. EXH. EXIST. EXP. EXT. F. F.A. F.A. F.B.	ELECTRICAL WATER COOLER EXCAVATE EXHAUST EXISTING EXPANSION EXTERIOR FIRE ALARM FACTORY FINISH FLAT BAR
B: BD. BET. BITUM. BLDG. BLKG. BM. B.N. BOT. B.U.R.	BOARD BETWEEN BITUMINOUS BUILDING BLOCKING BEAM BOUNDARY NAILING BOTTOM BUILT UP ROOFING	F.D. FDN. F.E. F.E.C. F.F. F.G. F.H. F.H.C. F.H.M.S. F.H.W.S.	FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISH FLOOR FINISH GRADE FIRE HYDRANT FIRE HOSE CABINET FLAT HEAD MACHINE SCREW FLAT HEAD WOOD SCREW
C: CAB. C.B. CER. C.I. C.J. CLG. CLO. CLR. C.M.U. C.O. COL. COMB. COMP. CONC. CONT. CONSTR. CONSTR. CONTR. CORR. COR. COR. COR.	CABINET CATCH BASIN CEMENT CERAMIC CAST IRON CONTROL JOINT CEILING CLOSET CLEAR CONCRETE MASONRY UNIT CLEAN OUT COLUMN COMBINATION COMBINATION COMPRESS (ED), (ION), (ABLE) CONCRETE CONNECTION CONTINUOUS CONSTRUCTION CONTRACT(OR) CORRIDOR CARPET(ED) COUNTERSINK	FIN. FIXT. F.L. FLASH. FLEX. FLR. FLUOR. F.N. F.O. F.O.F. F.O.F. F.O.S. FPL. FT. FTG. FURR. FUT. GC: GA. GALV. G.B.	FINISH FIXTURE FLOW LINE FLASHING FLEXIBLE FLOOR FLUORESCENT FIELD NAILING FINISH OPENING FACE OF CONCRETE FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY FACE OF STUDS FIREPLACE FOOT OR FEET FOOTING FURRING FURRING FUTURE GAUGE GAUGE GALVANIZED GRAB BAR
D: D. DBL. DEPT. DET. DIA. DIAG. DIM. DISP. DK. DN. DR. DR. DS. DWG. DWR.	DEEP DOUBLE DEPARTMENT DETAIL DRINKING FOUNTAIN/DOUGLAS FIR DIAMETER DIAGONAL DIMENSION DISPENSER DARK DOWN DOOR DOWNSPOUT DRAWING DRAWER	GL. GND. GR. G.S.M. GYP.	GLASS GROUND GRADE GALVANIZED SHEET METAL GYPSUM

ANCHOR TESTING AND INSPECTION

<u>ANCHOR</u>	WEI	DGE	<u>SLI</u>	<u>EEVE</u>	SH	<u>IELL</u>
DIA.	LOAD	TORQUE	LOAD	TORQUE	LOAD	TORQUE
(IN.)	(LBS.)	(FT-LBS.)	(LBS.)	(FT-LBS.)	(LBS.)	(FT-LBS.)
1/4	800	10	400	4	1000	
5/16			400	5	1400	
3/8	1000	25	700	10	1800	
1/2	2000	50	900	20	2700	
5/8	2300	80	1100	45	3700	
3/4	3700	150	1400	90	5400	
1	5800	250				

1. ANCHOR DIAMETER REFERS TO THE THREAD SIZE FOR THE WEDGE & SHELL CATEGORIES AND TO THE ANCHOR OUTSIDE DIAMETER FOR SLEEVE CATEGORY

2. APPLY ROOF TEST LOADS TO WEDGE AND SLEEVE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT AND INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH AND APPLY LOAD.

FOR SLEEVE/SHELL INTERNALLY THREADED CATEGORIES, VERIFY THAT THE ANCHOR IS NOT PREVENTED FROM WITHDRAWING BY A BASE PLATE OR OTHER FIXTURES, IF RESTRAINT IS FOUND, LOOSEN AND SHIM OR REMOVE FIXTURE(S) PRIOR TO TESTING.

4. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURE.

5. SHELL TYPE ANCHORS SHOULD BE TESTED AS FOLLOWS: VISUALLY INSPECT 25% FOR FULL EXPANSION AS EVIDENCED BY LOCATION OF THE EXPANSION PLUG IN THE ANCHOR BODY. PLUG LOCATION OF A FULLY EXPANDED ANCHOR SHOULD BE AS RECOMMENDED BY THE MANUFACTURER, OR, IN THE ABSENCE OF SUCH RECOMMENDATIONS, AS DETERMINED ON THE JOB SITE FOLLOWING THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND: PROOF LOAD 5% AS INDICATED IN THE TABLE ABOVE. BUT NOT LESS THAN THREE ANCHORS PER DAY FOR EACH DIFFERENT PERSON OR CREW INSTALLING ANCHORS, OR 50% OF THE INSTALLED ANCHORS PER 1925A.3.5.

6. TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.

7. TORQUE TEST VALUES FOR SHELL TYPE ANCHORS OMITTED DUE TO LACK OF DATA. TORQUE TESTING CAN OCCUR ON AN INDIVIDUAL BASIS WHEN TEST PROCEDURES ARE SUBMITTED AND APPROVED BY THE ENFORCEMENT AGENCY. TABULATED VALUES MAY BE FORTHCOMING ONCE THE ENFORCEMENT AGENCY HAS MORE DATA TO EVALUATE THE FEASIBILITY OF STANDARD TORQUE VALUES.

8. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS: HYDRAULIC RAM METHOD: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR WEDGE AND SLEEVE TYPE ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NOT BECOMES LOOSE. TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS: WEDGE OR SLEEVE TYPE: -ONE-HALF (1/2) TURN OF THE NUT.

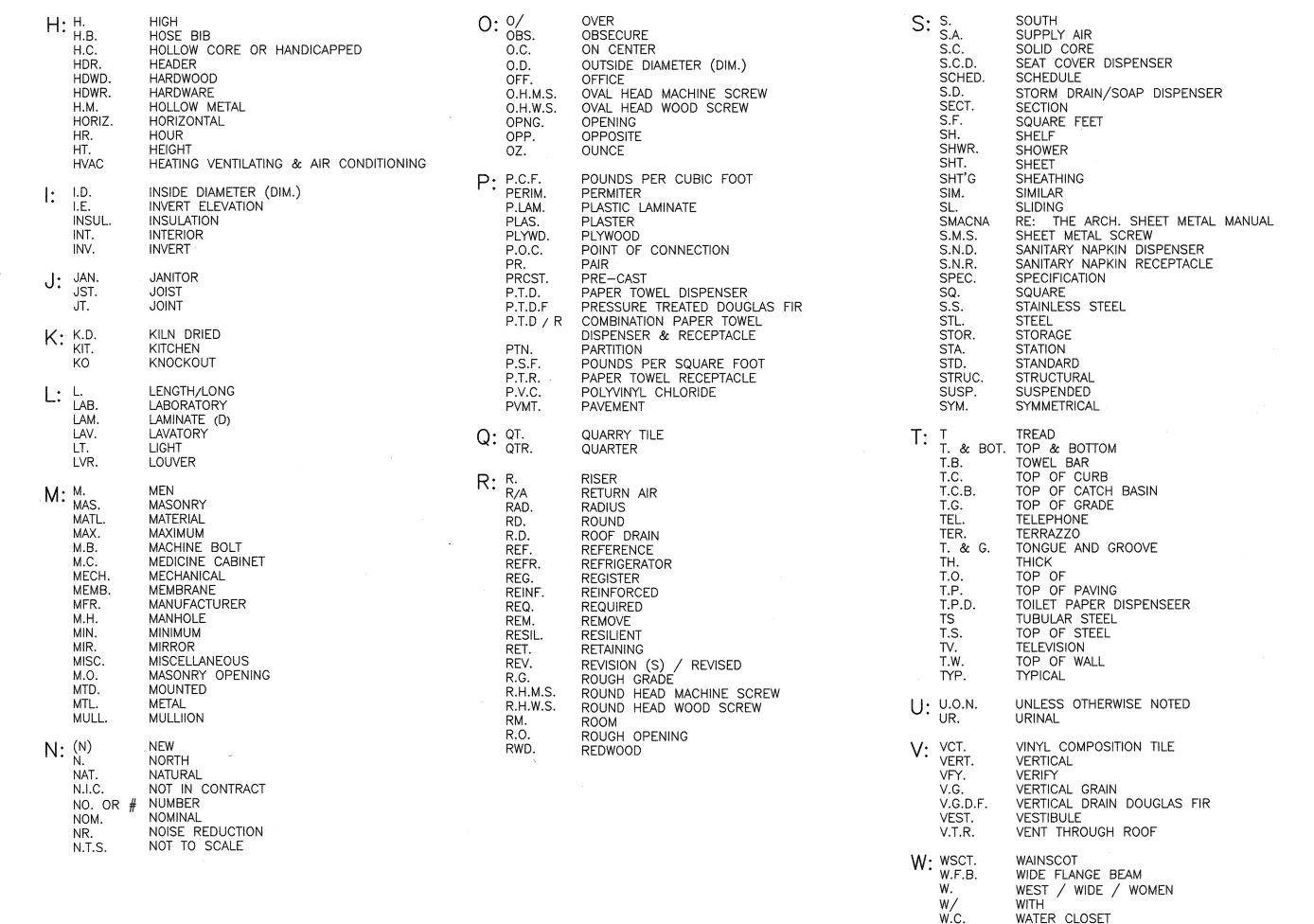
-ONE-QUARTER (1/4) TURN OF THE NUT -FOR THE 3/8" SLEEVE ANCHOR ONLY.

9. TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE SUBJECT ANCHORS.

	BUILDING ELEMENT	FIRE RESISTIVE CONSTRUCTION IN HOURS	DESIGN ASSEMBLY FOR FIRE RESISTIVITY & DESIGN REFERENCE NUMBERS
1.	(E) EXTERIOR WALLS - BEARING	4 – NON COMBUSTIBLE	SOLID CONCRETE 7" THICK & GREATER PER UBC TABLE 7-B, ITEM NO. 7-1.1
2.	(E) EXTERIOR WALLS - NONBEARING	NON RATED - NON COMBUSTIBLE	NOT REQUIRED
3.	(N) & (E) EXT. DOORS & WINDOWS	NON RATED - NON PROTECTED	PER SEC. 602.3.2, 503.2 & TABLE 5A. ALL EXTERIOR WALL OPENINGS COMPLY WITH TABLE 5A.
4.	(E) INTERIOR WALLS - BEARING	2 – NON COMBUSTIBLE	SOLID CONCRETE 7" THICK & GREATER PER UBC TABLE 7-B, ITEM NO. 7-1.1
5.	(N) INT. PARTITIONS PERMANENT FULL HEIGHT	1 – NON COMBUSTIBLE	5/8" TYPE X GYP. BRD. – 1 LAYER EACH SIDE OF 4" X 20GA MIN. STEEL STUDS PER UL DESIGN NO. U465. REFER TO DETAIL 6/A9.2.
6.	(N) INT. PARTITIONS PERMANENT MAX. 3/4 HEIGHT W/ GLASS ABOVE (UBC 601.5.2.1, ITEM 4)	NON RATED - NON COMBUSTIBLE	NON RATED NON COMBUSTIBLE
7.	(E) SHAFT ENCLOSURE	2 - NON COMBUSTIBLE	SOLID GYP. PLASTER – 2 $1/2$ " MIN. THICKNESS, PER UBC TABLE 7–B, ITEM 9–1.2
8.	(E) STAIRWELLS	2 – NON COMBUSTIBLE	NONCOMBUSTABLE STUDS WITH PLASTER EACH SIDE, PER UBC TABLE 7B, ITEM NO. 14-1.4
9.	(E) FLOORS AND FLOOR-CEILINGS	2 – NON COMBUSTIBLE (NO CEILING REQUIRED)	WAFFLE SLAB. MIN. COVER OVER NONPRESTRESSED REINFORCEMENT SHALL NOT BE LESS THAN $3/4$ ", PER UBC TABLE 7-C, ITEM 1-1.1, 5-INCH MIN. THICKNESS.
10.	(E) ROOFS AND ROOF-CEILINGS	1 - NON COMBUSTIBLE	CONSTRUCTION EQUAL TO ITEM NO. 9.
11.	(E) STRUCTURAL FRAME	2 - NON COMBUSTIBLE	REINFORCING STEEL IN REINFORCED CONCRETE COLUMNS, BEAMS, GIRDERS AND TRUSSES – MEMBERS 12" OR LARGER SQUARE. PER UBC TABLE 7-A, ITEM 5-1.2, 1 1/2" MIN. COVERAGE.
12.	(N) STRUCTURAL FRAME	2 - NON COMBUSTIBLE	STEEL COLUMNS PROTECTED WITH SPRAY-ON FIRE PROOFING - CEMENTITIOUS MIXTURE PER UL DESIGN NO. X771 (THICKNESS PER UL DESIGN AND UBC STANDARD 7-7).
			STEEL BEAMS AND GIRDERS AT FLOORS PROTECTED WITH SPRAY-ON FIRE-PROOFING CEMENTITIOUS MIXTURE PER UL DESIGN NO. N706 (THICKNESS PER UL DESIGN AND UBC STANDARD 7-7).
13.	(N) FLOORS AND FLOOR-CEILINGS	2 - NON COMBUSTIBLE	2 1/2" OF NORMAL WEIGHT CONC. OVER 1 1/2" METAL DECK WITH SPRAY-ON FIRE-PROOFING CEMENTITIOUS MIXTURE PER UL DESIGN NO. N706. (THICKNESS PER UL DESIGN AND UBC STANDARD 7-7).
14.	(N) SHAFT ENCLOSURE	2 - NON COMBUSTIBLE	NONCOMBUSTIBLE C-H STUDS WITH GYP. BRD PANELS EACH SIDE PER UL DESIGN NO. U492. REFER TO DETAIL 8/A9.2.
15.	(E) 2HR CORRIDOR WALL	2 - NON COMBUSTIBLE	5/8" TYPE X GYP. BRD2 LAYERS EACH SIDE OF 4" X 20GA MIN. STEEL STUDS PER UL DESIGN NO. U411. REFER TO DETAIL 2B/A9.2.
16.	(N) 2HR CORRIDOR WALL	2 – NON COMBUSTIBLE	5/8" TYPE X GYP. BRD2 LAYERS EACH SIDE OF 4" X 20GA MIN. STEEL STUDS PER UL DESIGN NO. U411. REFER TO DETAIL 14/A9.2.
17.	(N) 2HR CEILING	2 - NON COMBUSTIBLE	1" GYPSUM SHAFT LINER SUPPORTED BY 6" C-T STUDS AND (3) LAYERS OF 1/2" GYPSUM BRD. REFER TO GYPSUM CORP. ASSEMBLY SERIES 627, WHI-495 & PSI-0183.

SCOPE OF WORK

REMODELED FOR HANDICAPPED ACCESS.



FIRE RESISTIVE CONSTRUCTION OF BUILDING ELEMENTS

PROJECT CONSISTS OF THE INTERIOR REMODEL OF (E) FIRST FLOOR OF BUILDING #2 (3 STORY CONCRETE BUILDING WITH STUDENT SERVICES OFFICES ON SECOND FLOOR AND CAFETERIA ON THE THIRD FLOOR). WORK ON THE 1ST FLOOR IS FROM GRIDLINE 'G' TO GRIDLINE 'A' AND GRIDLINE 'I' TO GRIDLINE '7'. REMODEL AREA CONSISTS OF COMPUTER LABS WITH NEW ACCESS FLOOR ON TOP OF (E) SLAB ON GRADE, NEW NON BEARING PARTITIONS AND NEW SUSPENDED ACOUSTICAL TILE CEILINGS. NEW MECHANICAL SYSTEM, NEW LIGHTING AND NEW POWER AND DATA TO BE PROVIDED. EXISTING TOILET ROOMS

APPLICABLE CODES

WD.

W.H.

W/0

W.R.

W/R

WT.

X,Y,Z:

W.W.F.

NOT USED

WP

WDW.

CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING: 1. STATE OF CALIFORNIA TITLE ADMINISTRATIVE CODE. 2. STATE OF CALIFORNIA TITLE BUILDING CODE/AMENDMENT W 3. STATE OF CALIFORNIA TITLE BUILDING CODE/AMENDMENT W 4. 1997 UNIFORM BUILDING C 5. STATE OF CALIFORNIA TITLE CODE/AMENDMENT WITH A 199 6. STATE OF CALIFORNIA TITLE CODE/AMDNEMENT WITH A 199 7. STATE OF CALIFORNIA TITLE WITH 1997 UPC. 8. STATE OF CALIFORNIA TITLE 9. STATE OF CALIFORNIA TITLE CODE/AMENDMENT WITH A 1997 UFC.

STANDARDS CODE.

NATIONAL REFERENCE STANDARDS ASD (AISC) MANUAL OF STEEL CONSTRUCTION, 9TH EDITION. 1991 REVISED NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. ACI-318-95 CODE & COMMENTARY NFPA 13, AUTOMATIC SPRINKLER SYSTEM, 1996 EDITION. NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS, 1996 EDITION NFPA 17-A, WET CHEMICAL EXTINGUISHING SYSTEMS, 1994 EDITION NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS, 1995 EDITION NFPA 72, NATIONAL FIRE ALARM CODE, 1996 EDITION (AS AMENDED BY SFM)

STATE BUILDING CODE (Part 1, Title 24, C.C.R.)

Due to the difficulty of anticipating every unsatisfactory condition that might be found in existing construction where alteration, rehabilitation or reconstruction work is proposed, the following clause or one of similar meaning shall be included in all specifications for alteration, rehabilitation or reconstruction projects: "The intent of these drawings and specification is that the work of the alteration, rehabilitation or reconstruction is to be in accordance with Title 24, California Code of Regulations. Should any existing conditions such as deterioration or noncomplying construction be discovered which is not covered by the contract documents wherein the finished work will not comply with Title 24, California Code of Regulations, a change order, or a separate set of plans and specifications, detailing and specifying the required work shall be submitted to and approved by the Office of Regulation Service before proceeding with the work"

WATER HEATER WATERPROOF

WOOD

WINDOW

WITHOUT

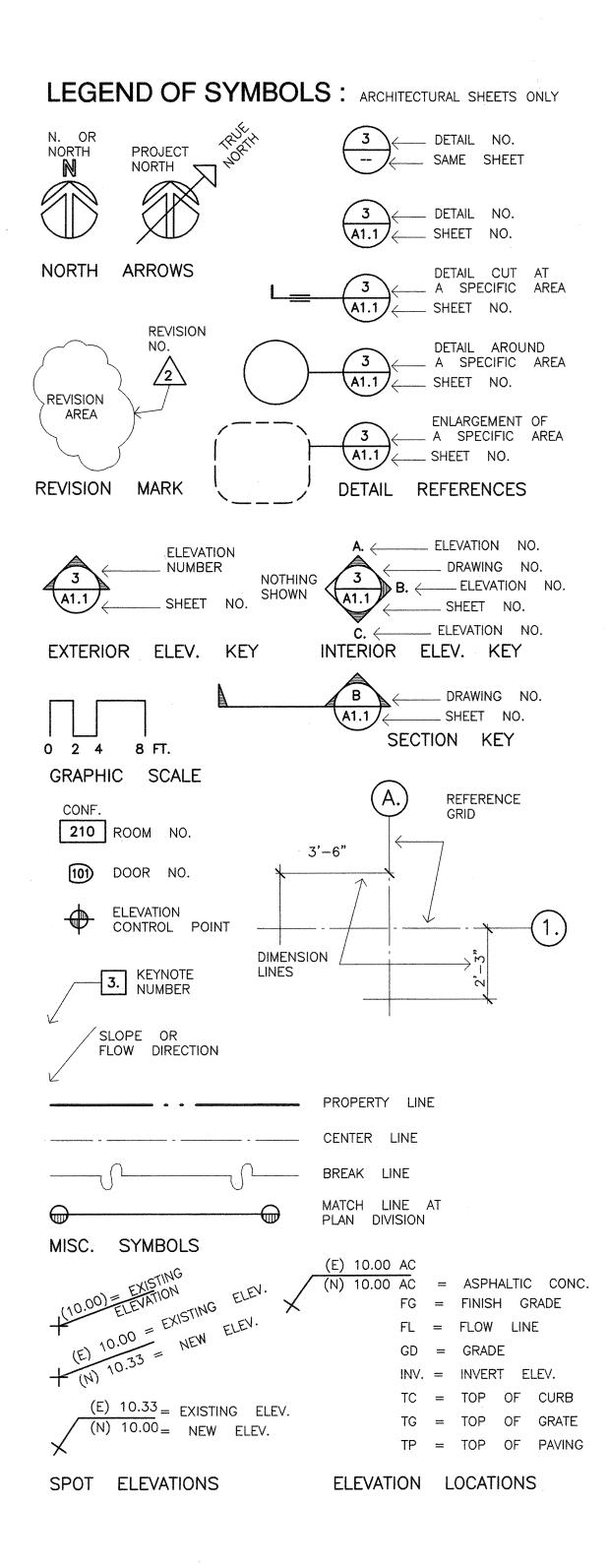
WEIGHT

WASTE RECEPTACLE WATER RESISTANT WELDED WIRE FABRIC

I WITH THE TOLEOWING.
E 24 (1998 EDITION) — PART 1 BUILDING STANDARDS
E 24 (1998 EDITION) — PART 2/VOLUME 1 CALIFORNIA WITH 1997 UBC, VOLUME 1.
E 24 (1998 EDITION - PART 2/VOLUME 2 CALIFORNIA WITH 1997 UBC, VOLUME 2.
CODE, VOLUME 3.
E 24 (1998 EDITION) – PART 3 CALIFORNIA ELECTRICAL 996 NEC.
E 24 (1998 EDITION) — PART 4 CALIFORNIA MECHANICAL 997 UMC.
E 24 (1998 EDITION) - PART 5 CALIFORNIA PLUMBING CODE
E 24 (1998 EDITION) – PART 6 CALIFORNIA ENERGY CODE.
E 24 (1998 EDITION) – PART 9 CALIFORNIA FIRE

10. STATE OF CALIFORNIA TITLE 24 (1998 EDITION) - PART 12 CALIFORNIA REFERENCED

11. TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.



BUILDING # 2 CODE DATA

FIRST FLOOR SECOND FLOOR THIRD FLOOR	TYPE B (OF TYPE A-3	•	LECTURE HA	
	RUCTION			LL)
EXISTING BUILDING CONSTR TYPE II F.R. O				
EXISTING BUILDING FIRE SI	PRINKLERS			
BUILDING SEPARTION 40 FEET ON A	LL FOUR SIDE	S		
BUILDING AREA				
BASIC ALLOWAE	ILE	29,900 SQ.FT.	(A-3)	
AREA INCREASE SEPARTION ON		100%		
AREA INCREASE MULTI-STORY I		100%		
MAXIMUM ALLO	WABLE '	19,600 SQ.FT.	_	
EXISTING STRU	CTURE	52,726		
NEW CONSTRUC	CTION	650 SQ.FT.	-	
TOTAL ENCLOSI	ED AREA	52,727 SQ.FT.		
BUILDING HEIGHT				
BASIC ALLOWAE	BLE	12 STORIES (16	30 FT)	
EXISTING STRU		3 STORIES (43	K ET)	
INCLODING NEV	00031.	5 510ML5 (40		
2ND FLOOR EXITING				
SPACE USE	AREA	OCCUPANT LOAD FACTOR	OCCUPANT LOAD	NO. OF EXITS
1. STUDENT CENTER OFFICE	12,338	100	123	6
2. MEETING ROOM CLASS RM	. 333	20	17	1
3. TOILETS (M&W) LOCKERS	206 EA	50	4 EA	1 EA
4. STORAGE / JAN. STORAGE	239	300	.79	1

TOTAL OCCUPANT LOAD TOTAL EXIT WIDTH IN INCHES



11NV APPL 01-103735	CT CES	IDENTIFICATION STAMP OF THE STATE ARCHITE CE OF REGULATION SERV	DIV OFFK
11AV Long		APPL 01- 103735	
TF 06/27/01 SS AD	A.	FLS TAX SS	W

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 $\sqrt{-}$ KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA 30 W. ARRELLAGA SANTA BARBARA, CA. 805/963.1726 9310 STEVE DOWTY, A.I.A. PRINCIPAL IN CHARGE GERALD SHUSTA PROJECT ARCHITECT All ideas, design arrangements and plans indicated or represented by this drawin are owned by and are the property of Kruger-Bensen-Zierner, AlA architects, and were reated, evolved and developed for use on, and in connection with, the specifie projects. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation for any purpose whatsoever without the written permission of Kruger-Bensen-Ziemer. > С 0 TECHNOL DISTRIC⁻ C (5) NINN Ш ${\bf O}$ D Ш £ E \square Ш \Box Z 0 Z K Ш Ш AD Ζ FOR OO O \mathbf{O} Ш Z \geq AN \mathbf{Y} 80 S S S DATE DESCRIPTION REVISION RAWN G.S. S.D. HECKED 3/21/01 98-03 OB NO. HEET TITLE SYMBOLS, ABBREVIATIONS. PROJECT & CODE DATA SHEET 2 A 0.1 21