#103

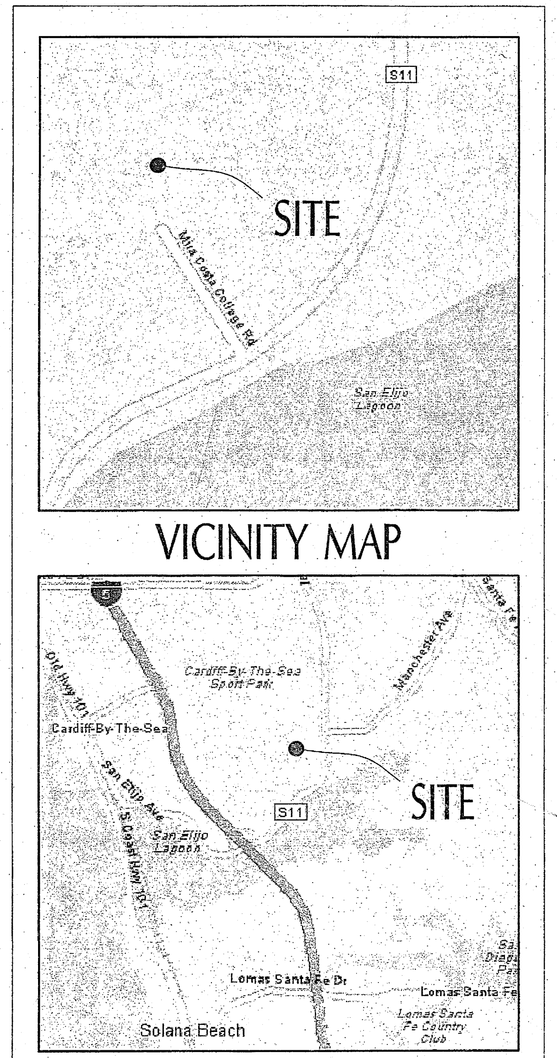
San Elijo Student Center Addition and Remodel

MIRACOSTA COLLEGE

RECORD DRAWINGS

CARDIFF BY THE SEA, CA

Construction Documents
September 19, 2006



tBP /Architecture
2300 Newport Boulevard - Newport Beach - California - 92663
http://www.tbparchitecture.com
ph: 949.673.0300 - fx: 949.673.9267

FILE #37-C3
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC PTC RS SS DL
DATE SEP 2 9 2006

LICENSED ARCHITECT
JOHN D. NEWMEYER III
No. C-21301
REN. 8-31-07
STATE OF CALIFORNIA

Division of the State Architect
16680 West Bernardo Drive
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

FLS: D JAMES (D)
UDP: A. GIEN
SS: D. WITTER

tBP
Architecture
Planning
Interiors
Management

SAN B400 & B900 BUILDING RENOVATIONS Ref #MW-20-2020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007 REFERENCE DOCUMENTS ONLY

ABBREVIATIONS

&	AND	EA.	EACH	M	METER	S	SEALER
∠	ANGLE	EL	EASEMENT LINE	MAINT	MAINTENANCE	SB.	SPLASH BLOCK
@	AT	E.J.	EXPANSION JOINT	MAN	MANUAL	S.C.	SOLID CORE
℄	CENTERLINE	ELEC.	ELECTRICAL	MAS	MASONRY	SCN	SOLID CORE
ø	DIAMETER OR ROUND	ELEV.	ELEVATION	MATL.	MATERIAL	S.C.	SOLID CORE
#	NUMBER	EMER.	EMERGENCY	MAX.	MAXIMUM	SCHED.	SCHEDULE
		ENCL.	ENCLOSURE	M.C.	MEDICINE CABINET	S.C.	SOLID CORE
		ENG	ENGINEER	MCC	MOTOR CONTROL CENTER	S.C.	SOLID CORE
AB	ANCHOR BOLT	ENGY	ENERGY	MECH.	MECHANICAL	S.D.	STORM DRAIN
AC.	ASPHALTIC CONCRETE	ENTR	ENTRANCE	MED	MEDIUM	SECT.	SECTION
ACT	ACOUSTICAL TILE	EP	EPOXY ENAMEL	MEZZ	MEZZANINE	SF	STAIN FINISH
ACOUS	ACOUSTICAL	EPG	EPOXY PAINT GLOSS	MFR.	MANUFACTURER	SFL	STAIN FINISH W/ LACQUER
AD	AREA DRAIN	EPSG	EPOXY PAINT SEMI-GLOSS	MH	MANHOLE	SFV	STAIN FINISH W/ VARNISH
ADH	ADHESIVE	EQ.	EQUAL	MIN.	MINIMUM	SH.	SHEATHING
ADJ	ADJACENT	EQUIP.	EQUIPMENT	MIR	MIRROR	SHT.	SHEET
AFF	ABOVE FINISH FLOOR	EST.	ESTIMATE	MISC.	MISCELLANEOUS	SIM.	SIMILAR
AFP	ACCORDIAN FOLDING PARTITION	EWC.	ELECTRIC WATER COOLER	MKR	MARKER	SPEC.	SPECIFICATIONS
AGGR	AGGREGATE	EWH	ELECTRIC WATER HEATER	MTL.	METAL	SPLY	SUPPLY
ALT	ALTERNATE	EXH	EXHAUST	MTD.	MOUNTED	SQ.	SQUARE
ALUM	ALUMINUM	EXIST.	EXISTING	MUL.	MULLION	SR	STEAM RETURN
AMP	AMPERE	EXP.	EXPANSION	MVBL	MOVABLE	SS	STEAM SUPPLY
ANOD	ANODIZED	EXT.	EXTERIOR			S.SK.	SERVICE SINK
APPROX	APPROXIMATELY			N.	NORTH	SST.	STAINLESS STEEL
ARCH	ARCHITECT	F.	FACTORY FINISH	NAT.	NATURAL	ST	STREET
ASB	ASBESTOS	F.A.	FIRE ALARM	NEG	NEGATIVE	STAG	STAGGERED
ASSY	ASSEMBLY	FC	FOOTCANDLE	N.I.C.	NOT IN CONTRACT	STC	SOUND TRANSMISSION CLASS
		F.D.	FLOOR DRAIN	NO.	NUMBER	STD.	STANDARD
BAT	BATTERY	FDC	FIRE DEPARTMENT CONNECTION	NOM.	NOMINAL	STL.	STEEL
BBD	BULLETIN BOARD	FDN	FOUNDATION	N.T.S.	NOT TO SCALE	STM	STEAM
BD	BOARD	F.E.	FIRE EXTINGUISHER			STOR	STORAGE
BLDG	BUILDING	F.E.C.	FIRE EXTINGUISHER CABINET	O.A.	OVERALL	STRUCT.	STRUCTURAL
BLKG	BLOCKING	FFP	FOLDING FABRIC PARTITION	OBS.	OBSCURE	SURF	SURFACE
BLO	BLOWER	F.H.	FIRE HYDRANT	O.C.	ON CENTER	SUSP.	SUSPENDED
BLR	BOILER	FIN.	FINISH	O.D.	OUTSIDE DIAMETER	SWBD	SWITCHBOARD
BLW	BELOW	FLASH.	FLASHING	O.F.	OVERFLOW DRAIN	SWGR	SWITCHGEAR
BM	BEAM	FLR.	FLOOR	OFCI	OWNER FURNISHED-CONTRACTOR INSTALLED	SWR	SEWER
BO	BOTTOM OF	FLUOR.	FLUORESCENT			SYM.	SYMBOL
BRKR	BREAKER	F.O.S.	FACE OF STUD	OFF	OFFICE	SYS	SYSTEM
BTU	BRITISH THERMAL UNIT	FPP	FOLDING PANEL PARTITION	OFOI	OWNER FURNISHED-OWNER INSTALLED		
BUR	BUILT UP ROOF	FPH	FOLDING PANEL HOOD DOOR			T.	THERMOSTAT
		F.R.A.	FIRE RATED ASSEMBLY	OPNG.	OPENING	T. & B.	TOP AND BOTTOM
CAB	CABINET	F.R.P.	FIBERGLASS REINFORCED PANEL	OPP.	OPPOSITE	T. & G.	TONGUE AND GROOVE
CARP	CARPET	F.S.	FLOOR SINK	OVHD	OVERHEAD	TD	TRENCH DRAIN
CAT	CATALOG	FT.	FOOT OR FEET			TECH	TECHNICAL
CB	CATCH BASIN	FTG.	FOOTING	PART.	PARTITION	TEL.	TELEPHONE
CEM	CEMENT	FURR.	FURRING	PB	PULL BOX	TEMP.	TEMPERATURE
CF	CURB FACE	FXTR	FIXTURE	PBD	PARTICLEBOARD	THK	THICK
CFM	CUBIC FEET PER MINUTE			PC	PORTLAND CEMENT	THRES.	THRESHOLD
CHBD	CHALKBOARD	GA.	GAGE			THRU	THROUGH
CHEM	CHEMICAL	GALV.	GALVANIZED	PERF	PERFORATED	TKBD	TACKBOARD
CHMR	CHILLED WATER RETURN	GB	GRAB BAR	PERP	PERPENDICULAR	T.O. SH	TOP OF SHEATHING
CHMS	CHILLED WATER SUPPLY	GL.	GLASS	PE	PAINT EGGSHELL	TOT	TOTAL
CI	CAST IRON	GLULAM.	GLUE LAMINATED	PF	PAINT FLAT	TR.	TREAD
CIR	CIRCLE	GND.	GROUND	PG	PAINT GLOSS	TRNSF.	TRANSFORMER
CJ	CONTROL JOINT	GPM	GALLONS PER MINUTE	PH	PHASE	TYP.	TYPICAL
CL	CENTERLINE	GR.	GRADE	PIV	POST INDICATOR VALVE		
CLG	CEILING	GYP.	GYPSUM	PL.	PROPERTY LINE		
CLO	CLOSET			PLAS.	PLASTER	U	HEAT TRANSFER COEFFICIENT
CLRM	CLASSROOM	H.B.	HOSE BIB	PLAT.	PLATFORM	UGND	UNDERGROUND
CMT	CERAMIC MOSAIC TILE	HCN	HOLLOW CORE NATURAL FINISH	PLBG	PLUMBING	UNFIN.	UNFINISHED
CMU	CONCRETE MASONRY UNIT	HCP	HOLLOW CORE PAINT FINISH	PLF	POUNDS PER LINEAR FOOT	U.N.O.	UNLESS NOTED OTHERWISE
CND	CONDUIT	HDBD.	HARDBOARD	PLYWD.	PLYWOOD	UPG	URETHANE PAINT GLOSS
CO	CLEANOUT	HDR	HEADER	PNL	PANEL	UPSG	URETHANE PAINT SEMI-GLOSS
COL	COLUMN	HDW.	HARDWARE	POS	POSITIVE	UR.	URINAL
COMM	COMMUNICATION	HDWD.	HARDWOOD	PP	PORTABLE PARTITION	UTIL	UTILITY
COMP	COMPOSITION	HGT.	HEIGHT	PR.	PAIR		
CONC	CONCRETE	H.M.	HOLLOW METAL	PREFAB	PREFABRICATED	V	VOLT
CONF	CONFERENCE	HORIZ.	HORIZONTAL	PREFIN	PREFINISHED	VAC	VACUUM
CONN.	CONNECTION	HP	HORSEPOWER	PRELIM	PRELIMINARY	VAV	VARIABLE AIR VOLUME
CONT	CONTINUOUS	HR.	HOUR	PROJ.	PROJECT	V.C.T.	VINYL COMPOSITION TILE
CONTR	CONTRACTOR	HSTAT	HUMIDISTAT	PSF	POUNDS PER SQUARE FOOT	VERT.	VERTICAL
COORD	COORDINATE	HTG.	HEATING	PSG	PAINT SEMI-GLOSS	VEST.	VESTIBULE
CORR	CORRIDOR	HTWR	HOT WATER RETURN	PSI	POUNDS PER SQUARE INCH		
COV	COVER	HTWS	HOT WATER SUPPLY	PVC	POLYVINYL CHLORIDE	W	MATT
CP	CONTROL PANEL	HVAC	HEATING, VENTILATING, AIR CONDITIONING			W	WITH
CR	CONDENSATE RETURN	HVY	HEAVY	Q.T.	QUARRY TILE	WC.	WATER CLOSET
CSHK	CASEWORK	HW	HOT WATER	QTY	QUANTITY	WD.	WOOD
CT	CERAMIC TILE					WDW.	WINDOW
CTV	CABLE TELEVISION	I.D.	INSIDE DIAMETER	R.	THERMAL RESISTANCE	WHSE	WAREHOUSE
CW	COLD WATER	INSUL.	INSULATION	RAD.	RADIUS	WL	WIND LOAD
		INT.	INTERIOR	R.D.	ROOF DRAIN	WLD	WELDED
DBL	DOUBLE	INV.	INVERT	REDWD.	REDWOOD	WP	WORKING POINT
DEMO	DEMOLITION	IW	IRRIGATION WATER	REF.	REFERENCE	WPS	WATERPROOFING
DEPT	DEPARTMENT			REFR.	REFRIGERATOR	WR	WATER RESISTANT
DET	DETAIL	JAN.	JANITOR	REG.	REGISTER	WSCT.	WAINSCOT
DF	DRINKING FOUNTAIN	JCT.	JUNCTION	REINF.	REINFORCING	WT	WEIGHT
DIA	DIAMETER	JT.	JOINT	REQD.	REQUIRED	WWF.	WELDED WIRE FABRIC
DIM	DIMENSION			RESIL.	RESILIENT		
DISP.	DISPENSER	K	KIP (1000 LB)	RET	RETURN	XFMR	TRANSFORMER
DIST.	DISTANCE	KIT.	KITCHEN	REV.	REVERSE		
DIV.	DIVISION	KO	KNOCKOUT	RFG	ROOFING		
D.L.	DEAD LOAD	KVA	KILOVOLT AMPERE	RM.	ROOM		
DN.	DOWN			R.O.	ROUGH OPENING		
DS.	DOWN SPOUT	LAB.	LABORATORY				
DWG.	DRAWING	LAV.	LAVATORY				
		LB.	POUND				
		LDG	LANDING				
		LL	LIVE LOAD				
		LT	LIGHT				
		LTG	LIGHTING				
		LVL	LEVEL				
		LVR	LOUVER				

GENERAL NOTES

THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO MODIFY THE FACILITY FOR ACCESSIBILITY IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS SUCH THAT THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA-AC BEFORE PROCEEDING WITH THE WORK.

SCOPE OF WORK

-REMOVAL OF EXISTING TRELLIS AND RELATED STRUCTURAL COMPONENTS

-REMODEL AND NEW ADDITIONS TO THE EXISTING STUDENT CENTER BUILDING; INCORPORATING THE BOOK STORE, 2 CONFERENCE ROOMS, FOOD SERVICES WITH A DECK DINING AREA AND A NEW HEALTH OFFICE WITH EXAM ROOM.

-ALTERATION OF FIRE LANE AND CONCRETE WALKWAYS

DRAWING LIST

GENERAL (NO. OF DRAWINGS 5)

- COVER SHEET
- T-1 INDEX, DIRECTORY, ABBREVIATIONS, NOTE, REF. SYMBOLS
- T-2 CODE ANALYSIS, CAMPUS PLAN & EXITING PLANS
- T-3 FIRE ACCESS
- T-4 ACCESSIBLE PATH PLAN

LANDSCAPE (NO. OF DRAWINGS 4)

- L-1.1 IRRIGATION PLAN
- L-2.1 PLANTING PLAN
- L-3.1 LANDSCAPE DETAILS
- L-4.1 LANDSCAPE DETAILS

CIVIL DRAWINGS (NO. OF DRAWINGS - 6)

- C-1 PRECISE GRADING PLAN
- C-2 PRECISE GRADING PLAN
- C-3 UTILITY PLAN
- C-4 EROSION CONTROL PLAN
- OX OVER-EX PLAN
- UR PRELIMINARY UTILITY RELOCATION PLAN

ARCHITECTURAL DRAWINGS (NO. OF DRAWINGS - 31)

- A5-0 DEMOLITION SITE PLAN
- A5-1 ENLARGED SITE PLAN
- A1-0 DEMOLITION FLOOR PLAN
- A1-1 FIRST FLOOR PLAN
- A1-2 SECOND FLOOR PLAN
- A2-1 REFLECTED CEILING PLAN
- A3-1 ROOF PLAN
- A4-1 EXTERIOR ELEVATIONS
- A5-1 BUILDING SECTIONS
- A7-1 ENLARGED TOILET PLAN
- A7-2 ENLARGED STAIR PLANS & SECTIONS
- A7-3 ENLARGED ELEVATOR PLANS & SECTIONS
- A8-1 INTERIOR ELEVATIONS

- 2.01 SITE DETAILS
- 2.02 SITE DETAILS
- 3.01 EXTERIOR & INTERIOR WALL DETAILS
- 4.01 TYPICAL PARTITION DETAILS
- 5.01 TYPICAL ACOUSTICAL PANEL CEILING DETAILS
- 5.02 SUSPENDED PLASTER & GYP. BD. DETAILS
- 6.01 TYPICAL CASEWORK DETAILS
- 7.01 ROOF DETAILS
- 7.02 ROOF & DECK DETAILS
- 8.01 DOOR SCHEDULE
- 8.10 DOOR DETAILS
- 8.20 DOOR DETAILS
- 8.80 EXTERIOR AND INTERIOR WINDOW SCHEDULE
- 8.81 WINDOW DETAILS
- 9.00 COLOR SCHEDULE
- 9.01 FINISH SCHEDULE
- 10.01 STAIR DETAILS
- 11.01 TYPICAL SIGNAGE DETAILS

FOODSERVICE DRAWINGS (NO. OF DRAWINGS -7)

- FS-T FOODSERVICE TITLE SHEET
- FS-1 FOODSERVICE EQUIPMENT PLAN & SCHEDULE
- FS-2 FOODSERVICE EQUIPMENT ROUGH-INS
- FS-3 FOODSERVICE EQUIPMENT EXHAUST HOOD
- FS-3.1 FOODSERVICE EQUIPMENT EXHAUST HOOD
- FS-4 FOODSERVICE EQUIPMENT ELEVATIONS & SECTIONS
- FS-5 FOODSERVICE EQUIPMENT DETAILS

STRUCTURAL DRAWINGS (NO. OF DRAWINGS - 20)

- S1-1 GENERAL NOTES
- S1-2 TYPICAL DETAILS
- S1-3 TYPICAL DETAILS
- S1-4 TYPICAL DETAILS
- S1-5 TYPICAL DETAILS
- S1-6 TYPICAL DETAILS
- S2-1 FOUNDATION PLAN
- S2-2 ROOF FRAMING PLAN
- S2-3 WALL ELEVATIONS
- S2-4 WALL ELEVATIONS
- S2-5 WALL ELEVATIONS
- S3-1 DETAILS
- S3-2 DETAILS
- S4-1 DETAILS
- S4-2 DETAILS
- S4-3 DETAILS
- S4-4 DETAILS
- S4-5 DETAILS
- S4-6 DETAILS
- S4-7 DETAILS

MECHANICAL DRAWINGS (NO. OF DRAWINGS -13)

- M0-1 MECHANICAL SYMBOLS & ABBREVIATIONS
- M0-2 SCHEDULES
- M0-3 MECHANICAL EQUIPMENT DETAILS
- M0-4 MECHANICAL EQUIPMENT DETAILS
- M0-5 MECHANICAL EQUIPMENT DETAILS
- M0-6 MECHANICAL EQUIPMENT DETAILS
- M1-0 FIRST FLOOR DEMOLITION PLAN
- M1-1 FIRST FLOOR MECHANICAL PLAN
- M1-2 ENLARGED MECHANICAL PLAN
- M2-1 MECHANICAL ROOF PLAN
- M3-1 MECHANICAL SITE PLAN
- M4-1 MECHANICAL TITLE 24 COMPLIANCE FORMS
- M4-2 MECHANICAL TITLE 24 COMPLIANCE FORMS

PLUMBING DRAWINGS (NO. OF DRAWINGS - 8)

- P5-0 PLUMBING SITE PLAN
- P0-1 PLUMBING SYMBOLS & ABBREVIATIONS
- P0-2 PLUMBING SCHEDULES & DETAILS
- P1-0 FIRST FLOOR DEMOLITION PLAN
- P1-1 FIRST FLOOR PLUMBING PLAN
- P1-2 SECOND FLOOR PLUMBING PLAN
- P3-1 PLUMBING ROOF PLAN
- P4-1 ENLARGED KITCHEN PLUMBING PLANS

ELECTRICAL DRAWINGS (NO. OF DRAWINGS - 15)

- E5-0 ELECTRICAL SITE PLAN
- E0-1 SYMBOLS LIST
- E0-2 NOTES & FIXTURE SCHEDULE
- E0-3 SINGLE LINE DIAGRAM
- E0-4 PANEL SCHEDULES
- E0-5 FIRE ALARM INFORMATION
- E0-6 ELEVATOR PLANS AND NOTES

- E1-1 FIRST FLOOR LIGHTING PLAN
- E1-2 FIRST FLOOR POWER PLAN
- E1-3 FIRST FLOOR SIGNAL PLAN
- E1-4 FIRST FLOOR FIRE ALARM PLAN
- E2-1 SECOND DECK AND LOW ROOF LIGHTING
- E2-2 SECOND DECK AND LOW ROOF ELECTRICAL
- E3-1 ROOF ELECTRICAL PLAN
- E4-1 ENLARGED PLANS

TOTAL 104 SHEETS

DEFERRED APPROVALS

THE FOLLOWING ITEMS SHALL NOT BE INSTALLED UNTIL SIGNED ENGINEERING CALCULATIONS, DETAILED PLANS, SPECIFICATIONS AND EQUIPMENT SUBMITTALS HAVE BEEN SUBMITTED, REVIEWED AND APPROVED BY THE ENGINEER, ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT.

1. ELEVATOR GUIDE RAILS AND SUPPORTS
2. AUTOMATIC FIRE SPRINKLER SYSTEM
3. AUTOMATIC FIRE SPRINKLER SUPPORT SYSTEM (ONLY THE OVERHEAD PIPING)

PROJECT DIRECTORY

ARCHITECT
Greg 949 294 7565
tBP/ARCHITECTURE
2300 NEWPORT BLVD.
NEWPORT BEACH, CA 92663
PHONE NO. - (949) 673-0300
FAX NO. - (949) 673-9261
Patmon 949 351 1024

CIVIL ENGINEER
HALL & FOREMAN, INC.
420 EXCHANGE, SUITE 100
IRVINE, CA 92602-1301
(714) 665-1500
(714) 665-1500 F Ramsey

STRUCTURAL ENGINEER
MARTIN, GHON AND NAKABARA, INC.
3185 - C AIRWAY AVE.
COSTA MESA, CA. 92626-4601
(714) 474-3003
(714) 474-3254 F Dick Chow

LANDSCAPE ARCHITECT
LIGHTFOOT PLANNING GROUP
5750 FLEET STREET, SUITE 250
CARLSBAD, CA 92008
(760) 642-1424
(760) 642-1435 F Phil Armstrong

MECHANICAL/ELECTRICAL/PLUMBING
ALP ENGINEERING, INC. Joel Phil/Ramone
1751 E. GARRY AVE.
SANTA ANA, CA 92705
(949) 428-8800
(949) 428-8805 F

KITCHEN CONSULTANT
ORNESS DESIGN GROUP, INC.
5955 MIRA MESA BLVD., SUITE H
SAN DIEGO, CA 92121
(858) 457-5955
(858) 457-5950 F George Paul

REFERENCE SYMBOLS

FULL BUILDING SECTION
A / A-4 — LETTER ABOVE - SECTION; NUMBER BELOW - SHEET NUMBER

PARTIAL BUILDING SECTION / WALL SECTION
B / A-4 — LETTER ABOVE - SECTION; NUMBER BELOW - SHEET NUMBER

EXTERIOR ELEVATION
1 / A-3 — NUMBER ABOVE - ELEVATION NUMBER; NUMBER BELOW - SHEET NUMBER

DETAIL
2 / 3.01 — NUMBER ABOVE - DETAIL NUMBER; NUMBER BELOW - SHEET NUMBER

ROOM IDENTIFICATION WITH INTERIOR ELEVATION REFERENCES
101 / 2 / A-5 — NUMBER ABOVE - ROOM NUMBER; INTERIOR ELEVATION - (REFERENCE ONLY THOSE DRAWN); NUMBER BELOW - SHEET NUMBER

INTERIOR ELEVATION IDENTIFICATION
101 / 2 — NUMBER ABOVE - ROOM NUMBER; INTERIOR ELEVATION REFERENCE

DOOR NUMBER IDENTIFICATION
101 — DOOR NUMBER - REFER TO DOOR SCHEDULE

WINDOW TYPE IDENTIFICATION
A — WINDOW TYPE - REFER TO WINDOW DETAILS

CASEWORK IDENTIFICATION
CASE HEIGHT 34 / CASE LENGTH 36 — 202 — 24 CASE DEPTH; M.I.C. MODEL NUMBER; L LOCKABLE - IF REQUIRED

TOILET ACCESSORY IDENTIFICATION
3 — TOILET ROOM ACCESSORY NUMBER

KEYNOTE REFERENCE
2 2 2 — KEYNOTE REFERENCE NUMBER

COLOR REFERENCE
CT-1 — COLOR REFERENCE - REFER TO COLOR SCHEDULE

WALL TYPE REFERENCE
MATL-T/GA — WALL TYPE - MATL. = GM; MTL; HD - T/GA = WALL THICKNESS/ STUD GUAGE

WALL TYPES

NEW PARTITION WALL

1-HR RATED WALL — 1 / 4.01

DEMOLISHED WALL

EXISTING WALL TO REMAIN
REMOVE STUCCO TO SHEATHING

MATERIAL SYMBOLS

EARTH
PLYWOOD
RIGID INSULATION
SAND & GROUT
FINISH WOOD
ACOUSTICAL CEILING PANEL/ TILE
CONCRETE
LATH & PLASTER
MASONRY
GYPSUM BOARD
STEEL
BATT INSULATION

tBP architecture planning interiors management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

SAN D400 & B800 BUILDINGS RENOVATIONS PHASE 2 - SELECTIVE DEMOLITION ONLY

consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

CERTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC Date FEB 15 06
DATE SEP 29 2006

agency

San Elijo Student Center
MiraCosta College

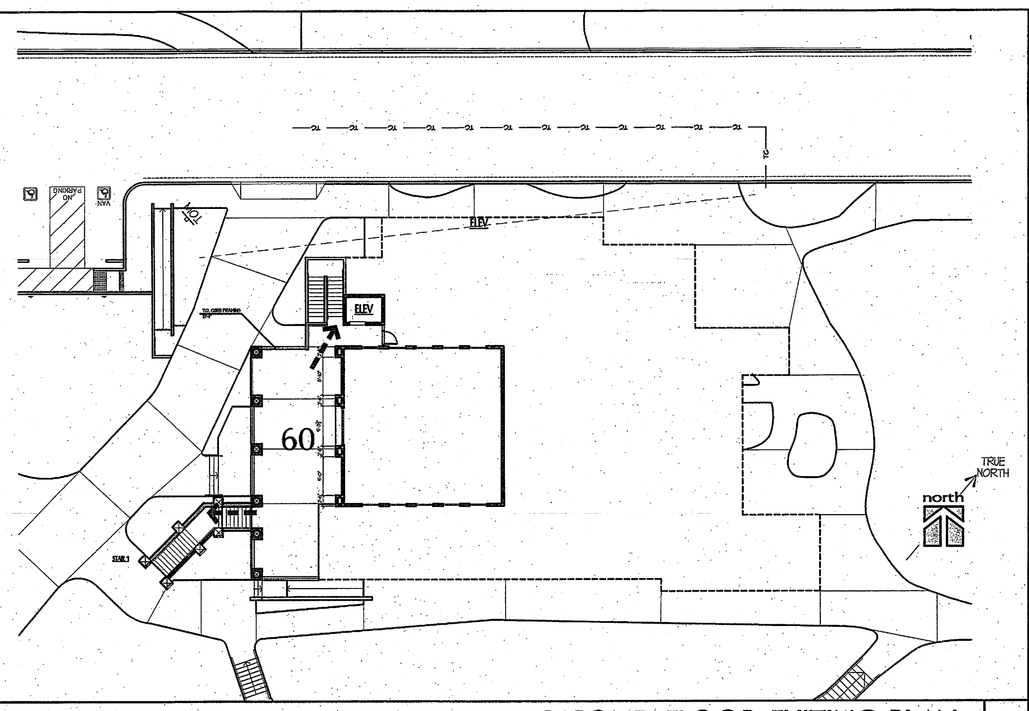
MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

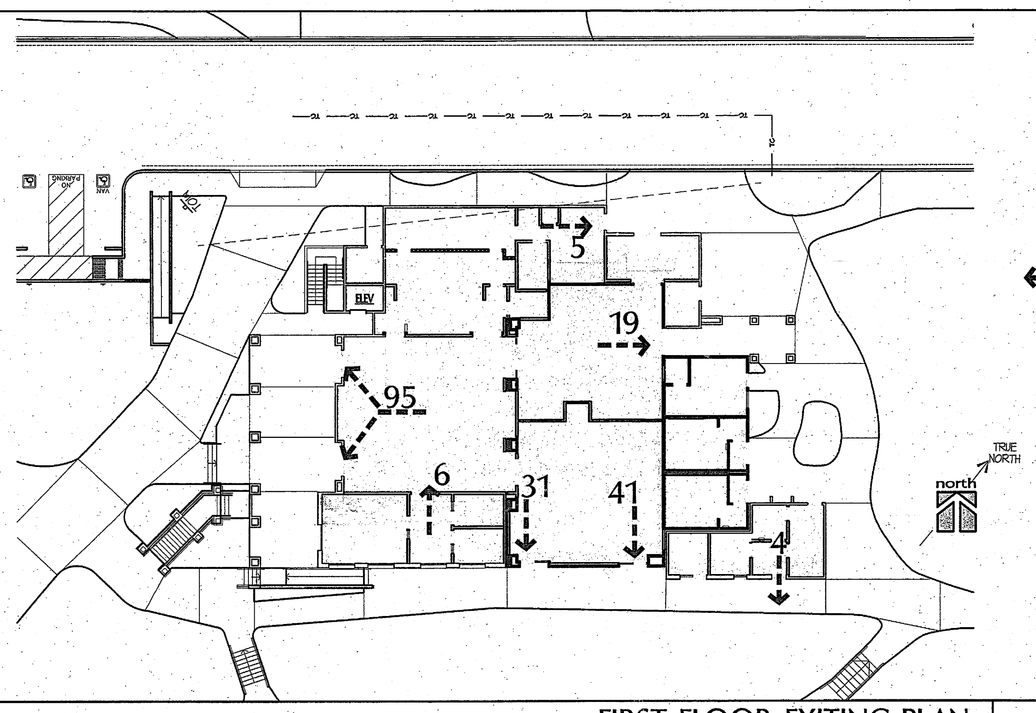
tBP project number : 2048.10
file name: 001-1.dwg
drawn by: CT checked by: PM
date: 04/18/06

Rev:	date:	description:

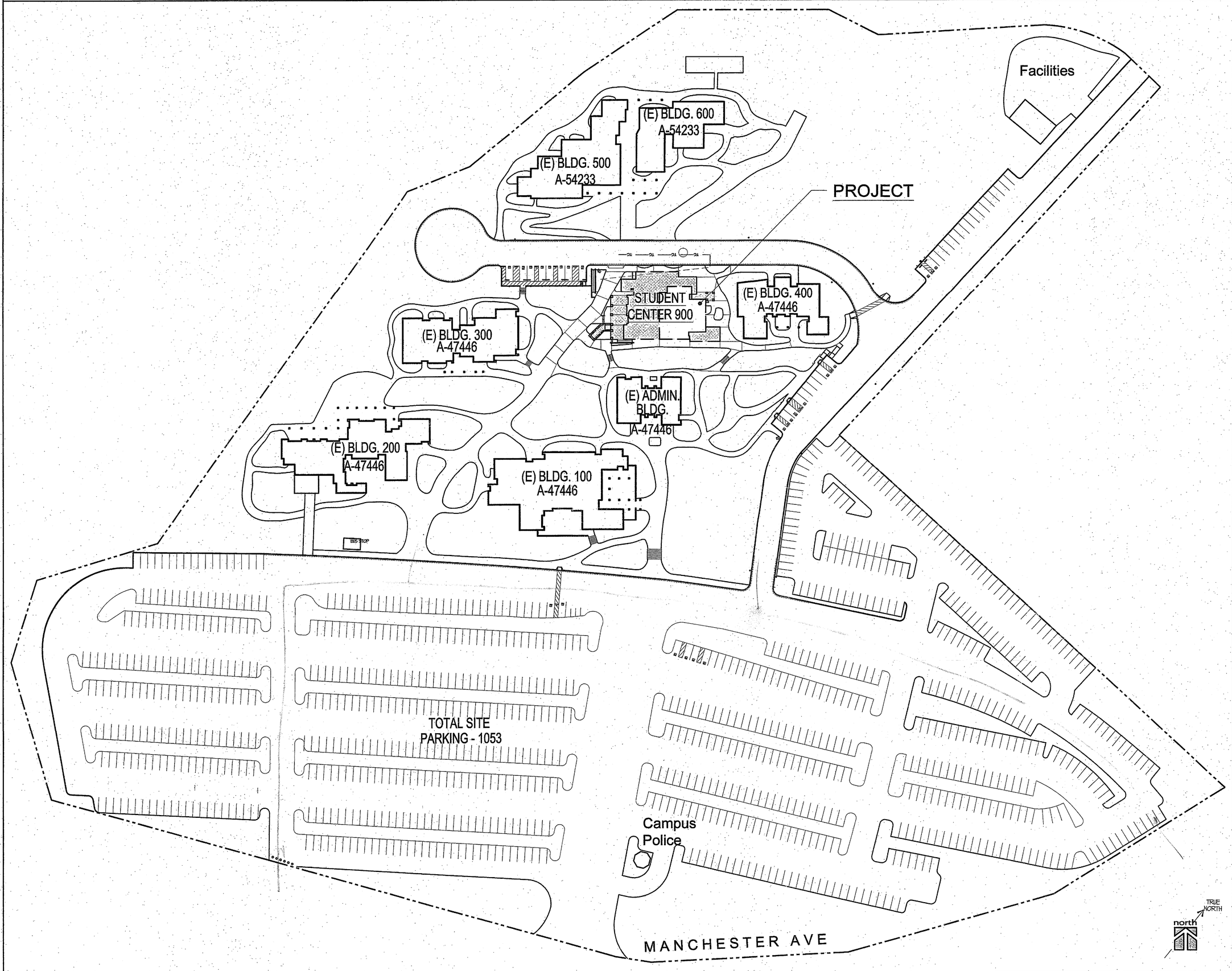
drawing title: INDEX, DIRECTORY, ABBR., NOTES, REF. SYMBOLS
building no.: C
drawing no.: T-1
drawing 2 of 109



SECOND FLOOR EXITING PLAN
SCALE: 1"=20' | 3



FIRST FLOOR EXITING PLAN
SCALE: 1"=20' | 2



CAMPUS PLAN
SCALE: 1" = 60'-0" | 1

CODE ANALYSIS

EXISTING BUILDING AREA			2673 S.F.
NEW ADDITION BUILDING AREA			6383 S.F.
TOTAL BUILDING AREA:			8643 S.F.
OCCUPANCY: A-3 & B	B = 3,899 SF		A-3 =4,744 SF W/ outdoor dining
CONSTRUCTION TYPE:			V-1 hour
BASIC ALLOWABLE AREA	for B 14,000 s.f	for A-3 10,500 s.f	
RATIO OF PROPOSED/ALLOWED:	3,899 / 14,000 .28 < 1.0 O.K.	4,744 / 10,500 .45 < 1.0 O.K.	
TOTAL PROPOSED AREAS + deck :			9,990 SF
SIDEYARD INCREASE not required 2.5% OF (46 - 20) = 65% not required			
Building is fire sprinkled substitutes 1 hour construction			

5 - FIRE-RATED SEPARATION ASSEMBLIES: N/A

EXIT STAIRWAY ARE EXTERIOR	
EXIT CORRIDORS	N/A

6 - FIRE-RESISTIVE CONSTRUCTION: WITH FIRE SPRINKLERED SUBSTITUTION

EXTERIOR BEARING WALLS	NR PER SECTION 508 CBC.
INTERIOR-BEARING WALLS	NR PER SECTION 508 CBC.
EXTERIOR NON-BEARING WALLS	NR PER SECTION 508 CBC.
STRUCTURAL FRAME (PRIMARY STRUCTURE)	NR PER SECTION 508 CBC.
PERMANENT PARTITIONS	NR PER SECTION 508 CBC.
SHAFT ENCLOSURES	1 HR PER TABLE 6-A CBC.
FLOOR AND FLOOR-CEILINGS	NR PER SECTION 508 CBC.
ROOFS AND ROOF-CEILINGS	NR PER SECTION 508 CBC.
EXTERIOR DOORS AND WINDOWS	NOT PROTECTED PER SEC. 503.2 AND TABLE 5-A
STAIRWAY CONSTRUCTION	NON-COMBUSTABLE PER CBC SEC. 603.4 AND CHAPTER 10

10 - EXITING REQUIREMENTS:

	EXT. STAIRS	UPPER DECK	FIRST FLOOR
"DESIGN" OCCUPANT LOAD		60 OCC.	202 OCC.
TOTAL SQUARE FOOTAGE	286 S.F.	1,061 S.F.	8643 S.F.
TOTAL EXIT STAIR WIDTHS REQUIRED: TOTAL EXIT STAIR WIDTHS PROVIDED:			N/A N/A

MINIMUM STAIR WIDTH 48". MINIMUM EXIT DOOR WIDTH 36".

APPLICABLE CODES

LIST OF CALIFORNIA CODE OF REGULATIONS:

APPLICABLE CODES AS OF OCTOBER 1, 2005

2001 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.

2001 CALIFORNIA BUILDING CODE (C.B.C.), PART 2, TITLE 24 C.C.R.
(1997 U.B.C., VOLUMES 1-3 W/2001 CALIFORNIA AMENDMENTS)

2004 CALIFORNIA ELECTRICAL CODE (C.E.C.), PART 3, TITLE 24 C.C.R.

2005 CALIFORNIA ENERGY CODE , PART 12, TITLE 24 C.C.R.

2001 CALIFORNIA MECHANICAL CODE (C.M.C.), PART 4, TITLE 24 C.C.R.
(2000 UNIFORM MECHANICAL CODE WITH CALIFORNIA AMENDMENTS)

2001 CALIFORNIA PLUMBING CODE (C.P.C.), PART 5, TITLE 24 C.C.R.
(2000 UNIFORM PLUMBING CODE WITH CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ELEVATOR CODE, PART 7, TITLE 24 C.C.R.

2001 CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24 C.C.R.

2001 CALIFORNIA FIRE CODE (C.F.C.), PART 9, TITLE 24 C.C.R.
(2000 UNIFORM FIRE CODE WITH CALIFORNIA AMENDMENTS)

2001 CALIFORNIA REFERENCED STANDARDS CODE (C.R.S.C.), PART 12, TITLE 24 C.C.R.

1980 TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13 AUTOMATIC SPRINKLER SYSTEMS 1999 EDITION
NFPA 14 STANDPIPE SYSTEMS 2000 EDITION
NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS 1998 EDITION
NFPA 17a WET CHEMICAL SYSTEMS 1998 EDITION
NFPA 20 STATIONARY PUMPS 1999 EDITION
NFPA 24 PRIVATE FIRE MAINS 1995 EDITION
NFPA 72 NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) 1999 EDITION
(NOTE SEE UL STANDARD 1971 FOR "VISUAL DEVICES")
NFPA 253 CRITICAL RADIENT FLUX OF FLOOR COVERING SYSTEMS 2000 EDITION
NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS 2000 EDITION
REFERENCE CODE SECTIONS FOR NFPA STANDARDS - 2001 CBC (SFM) 3504.1

CHAPTER 4, PART 1, TITLE 24, C.C.R. ADMINISTRATIVE REQUIREMENTS (PARTIAL LISTING ONLY)

1. A COPY OF PARTS 1 AND 2, TITLE 24, C.C.R. SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
2. ALL CHANGE ORDERS AND ADDENDA TO BE SIGNED BY THE ARCHITECT AND THE OWNER AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT (DSA). CHANGE ORDERS ARE NOT VALID UNTIL APPROVED BY DSA.PER SECTION 4-338, PART 1, TITLE 24.
3. ALL TESTS TO CONFORM TO THE REQUIREMENTS OF SECTION 4-335, PART 1, TITLE 24 AND APPROVED T & I SHEET.
4. TESTING OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335 OF PART 1, TITLE 24 AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR.
5. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24.
6. INSPECTOR SHALL BE APPROVED BY DSA. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-333(B). THE DUTY OF THE INSPECTOR SHALL BE IN ACCORDANCE WITH SECTION 4-342, PART 1, TITLE 24. INSPECTOR SHALL BE CLASS 1
7. SUPERVISION OF CONSTRUCTION BY DSA. SHALL BE 1 ACCORDANCE WITH SECTION 4-334, PART 1, TITLE 24.
8. CONTRACTOR, INSPECTOR, ARCHITECT AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM 155-6) IN ACCORDANCE WITH SECTION 4-336 AND 4-343, PART 1, TITLE 24.
9. THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTION 4-333(A) AND 4-341, PART 1, TITLE 24.
10. THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH SECTION 4-343, PART 1, TITLE 24.

tBP
architecture
planning
interiors
management

REGISTERED ARCHITECT STATE OF CALIFORNIA

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04107979
AC ACC AS DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

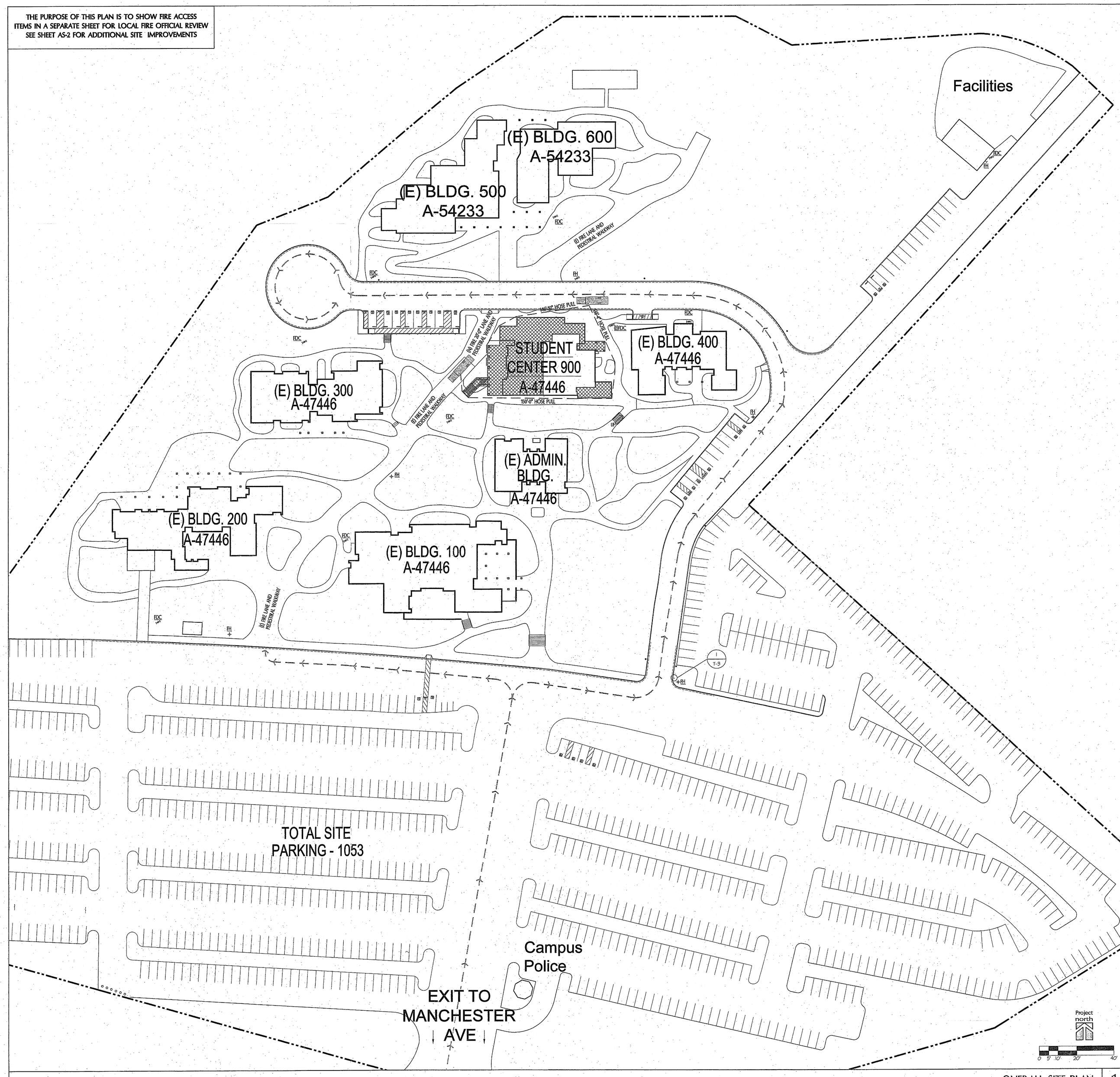
tBP project number : 2048410
file name: OT-2.DWG
drawn by: CT checked by:
date: 09/18/06

Rev:	date:	description:

drawing title: CODE ANALYSIS, CAMPUS PLAN & EXITING PLANS
building no.:
drawing no.: T-2
drawing 3 of 109

SAN B400 & B900 BUILDING RENOVATIONS Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007 - REFERENCE DOCUMENTS ONLY

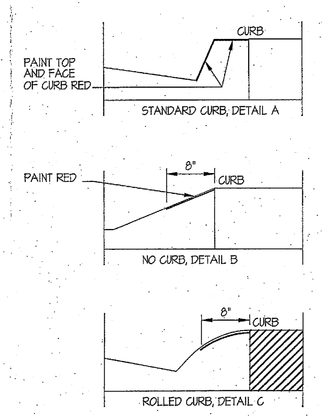
THE PURPOSE OF THIS PLAN IS TO SHOW FIRE ACCESS ITEMS IN A SEPARATE SHEET FOR LOCAL FIRE OFFICIAL REVIEW
SEE SHEET AS-2 FOR ADDITIONAL SITE IMPROVEMENTS



OVERALL SITE PLAN 1
SCALE: 1"=40'

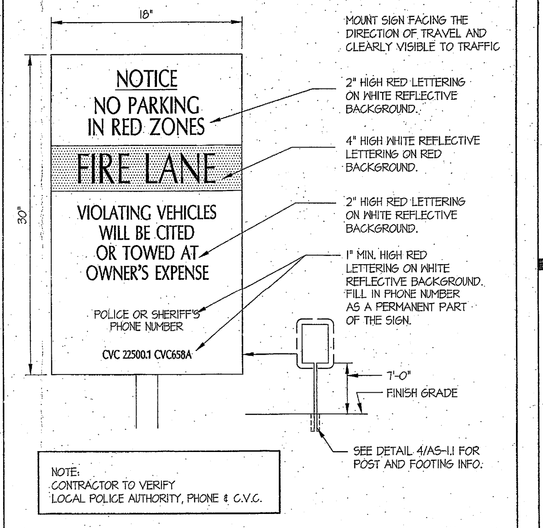
LEGEND

- FIV — POST INDICATOR VALVE
- HOSE - 150' MAX. LENGTH
- FH — FIRE HYDRANT
- FDC, DCK — FIRE DEPT CONNECTION
- NO PARKING SIGN
- RED CURB
- FIRETRUCK ACCESS
- INDICATES ACCESSIBLE PARKING SPACES
- NEW ADDITION TO BUILDING



1. FIRE LANE ENTRANCE SIGN (S) SHALL BE PROVIDED PER DETAIL 2
2. CURB SHALL BE PAINTED OSHA SAFETY RED.
3. FIRE LANE - NO PARKING SHALL BE PAINTED ON TOP OF THE CURB WITH WHITE THREE (3) INCH HIGH LETTERS APACED THIRTY (30) FEET ON CENTER OR PORTION THEREOF.

RED CURBING
N.T.S. 2



NOTE:
CONTRACTOR TO VERIFY
LOCAL POLICE AUTHORITY, PHONE & C.V.C.

FIRE LANE SIGN
SCALE: FULL 1

GENERAL FIRE NOTES

1. THE FIRE ACCESS LANE MUST BE CONSTRUCTED OF A MATERIAL THAT PROVIDES AN ALL WEATHER DRIVING SURFACE AND CAPABLE OF SUPPORTING THE 68,000 POUNDS IMPOSED LOAD FOR THE FIRE APPARATUS.
2. APPROVED NUMBERS OR ADDRESSES WILL BE PLACED ON THE STREET OR ROAD FRONTING THE PROPERTY. SAID NUMBERS SHALL BE OF NONCOMBUSTIBLE MATERIALS, SHALL CONTRAST WITH THEIR BACKGROUNDS AND SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED TO BE VISIBLE AT NIGHT. NUMBERS HEIGHT SHALL BE NO LESS THAN 6" IN HEIGHT AND WITH A 1 INCH STROKE.
3. FIRE DEPARTMENT FINAL INSPECTION REQUIRED. SCHEDULE INSPECTION 2 DAYS IN ADVANCE PHONE : (760) 633-2820
4. LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH THE CALIFORNIA FIRE CODE. PLACEMENT IS SUBJECT TO APPROVAL OF THE FIRE INSPECTOR.
5. STORAGE, DISPENSING OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH UNIFORM FIRE CODE REGULATIONS.
6. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
7. FIRE DEPARTMENT CONNECTION SHALL BE LOCATED WITHIN 150 FEET FROM A PUBLIC FIRE HYDRANT.
8. PRIVATE FIRE HYDRANTS, SPRINKLER CONTROL AND POST INDICATOR VALVES, AND RISERS TO FIRE DEPARTMENT CONNECTIONS SHALL BE PAINTED SAFETY RED.
9. ALL FIRE HYDRANTS SHALL HAVE A "BLUE REFLECTIVE PAVEMENT MARKER" INDICATING ITS LOCATION ON THE STREET OR DRIVE PER SAN DIEGO COUNTY FIRE AUTHORITY STANDARD. ON PRIVATE PROPERTY THESE MARKERS ARE TO BE MAINTAINED IN GOOD CONDITION BY THE PROPERTY OWNER.
10. AN ALL WEATHER FIRE ACCESS ROAD SHALL BE IN PLACE BEFORE ANY COMBUSTIBLE MATERIALS ARE PLACED ON THE SITE.
11. FIRE APPARATUS ACCESS ROADS SHALL BE UNOBSTRUCTED. ACCESS GATES SHALL BE APPROVED PRIOR TO INSTALLATION AND SHALL BE IN COMPLIANCE WITH UFC 902 AND ENCINITAS FIRE PROTECTION DISTRICT GUIDELINES.

LOCAL FIRE AUTHORITY

FIRE DEPARTMENT ACCESS, EGRESS, AND GATE ENTRANCES HAVE BEEN REVIEWED FOR COMPLIANCE WITH SECTION 3.05 AND 3.16, TITLE 19.

FIRE-FLOW AND FIRE HYDRANTS HAVE BEEN REVIEWED FOR COMPLIANCE WITH STATE APPENDICES III-AA AND III-B, PART 9, TITLE 24.

RELOCATABLE(S) IS/ARE FOR "SHORT-TERM" ____ OR "LONG-TERM" ____ USE.

AGENCY: ENCINITAS FIRE PROTECTION DISTRICT PH: (760) 633-2820

ADDRESS: 505 SOUTH VULCAN AVENUE, ENCINITAS, CA 92024

NAME/TITLE: DAVID MOORE

SIGNATURE: _____ DATE: 9/10/06

tBP architecture planning interiors management

REGISTERED ARCHITECT GREGORY A. MARKHAM No. C-26663 STATE OF CALIFORNIA

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

consultant

REGISTERED ARCHITECT DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04-107979
AC. 115 25 PM
DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048.10
file name: OAS-01-FIREDEPT.DWG
drawn by: CG checked by:
date: 07/03/06

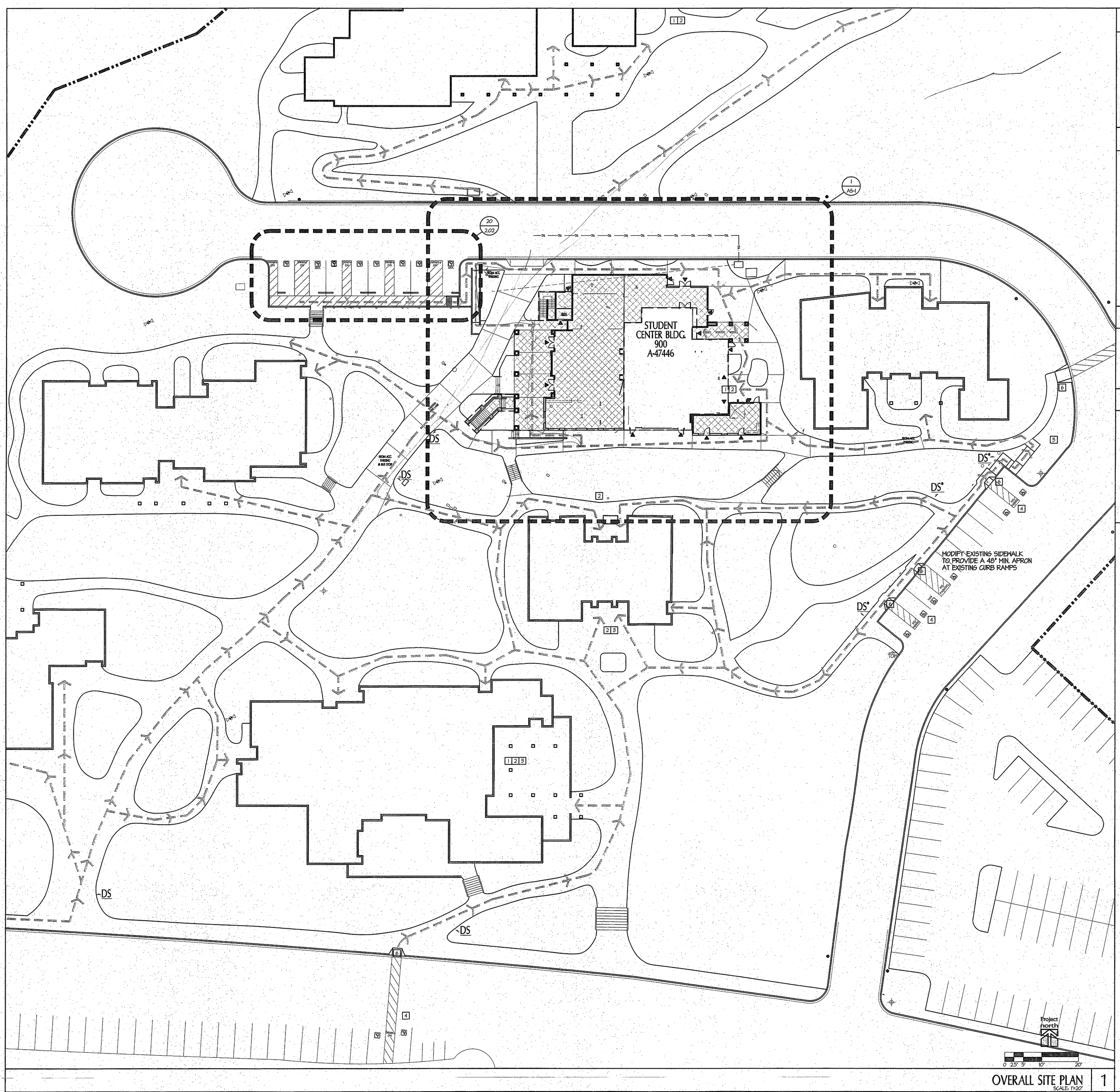
Rev:	date:	description:

drawing title: building no.:

FIRE ACCESS

drawing no:
T-3
drawing 4 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



OVERALL SITE PLAN | 1
SCALE: 1"=20'

KEYNOTES:

1. RESTROOM LOCATION
2. DRINKING FOUNTAIN LOCATION
3. PUBLIC TELEPHONE LOCATION
4. EXISTING ACCESSIBLE PARKING
5. NEW ACCESSIBLE SIDE WALK

a. Add Keynote No.6 as follows:

"ADD TRUNCATED DOMES AT EXISTING CURB RAMPS. SEE 11/2.01 FOR REFERENCE."

LEGEND

- NEW ADDITION TO BUILDING
- DS — DIRECTIONAL SIGNS TO ASSESSABLE PATH OF TRAVEL (16 / 2.01)
- DS* — DIRECTIONAL SIGNS TO INCLUDING BUILDING DESTINATION.
- TOW — UNAUTHORIZED VEHICLE SIGN, SEE DETAIL 15/2.01 (PROVIDE AT CAMPUS MAIN ENTRANCE TOO)
- ACCESSIBLE PATH OF TRAVEL (SEE CONST. NOTE 1.)
- INDICATES ACCESSIBLE PARKING SPACES (17 / 2.01)

ACCESSIBLE PARKING CALCULATIONS

DISRUPTION	REQUIRED	PROVIDED
EXISTING PARKING		1053
ACCESSIBLE PARKING	21	22
ACCESSIBLE VAN PARKING	3	3
		PER TABLE 11B-6

* SEE SHEET T-2 FOR GENERAL SITE INFORMATION

CONSTRUCTION NOTES

1. ACCESSIBLE PATH OF TRAVEL IS A BARRIER FREE ACCESS ROUT WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. (PDT) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-3B.D.2) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-3B.D.6). CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 11B-3B.

2. ALL EXTERIOR ENTRANCES & EXITS (IDENTIFIED WITH A TRIANGLE SYMBOL, SEE LEGEND) ON THIS PLAN ARE TO BE ACCESSIBLE AND COMPLY WITH CBC 11B-3B.U, INCLUDING: 32" CLR. OPENING, REQ. STRIKE EDGE CLEARANCE AT PULL SIDE OF DOOR (24" FOR FRONT & LATCH, 36" FOR HINGE APPROACH) LEVEL LANDINGS (2% SLOPE MAX ON EXT. SIDE, 0% ON INT. SIDE); ACCESSIBLE THRESHOLD, HARDWARE, CLOSER & KICK PLATE; ISA SIGN ON EXT. SIDE OF ENTRANCE, EXIT SIGN ON INT. SIDE OF EXIT DOOR.

tBP
architecture
planning
interiors
management

BP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.1030 fx: 949.673.9267

architect

consultant

BUILDING DESIGN SUBMITTED TO THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04-107979
AC ACC RIS D SS DU
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

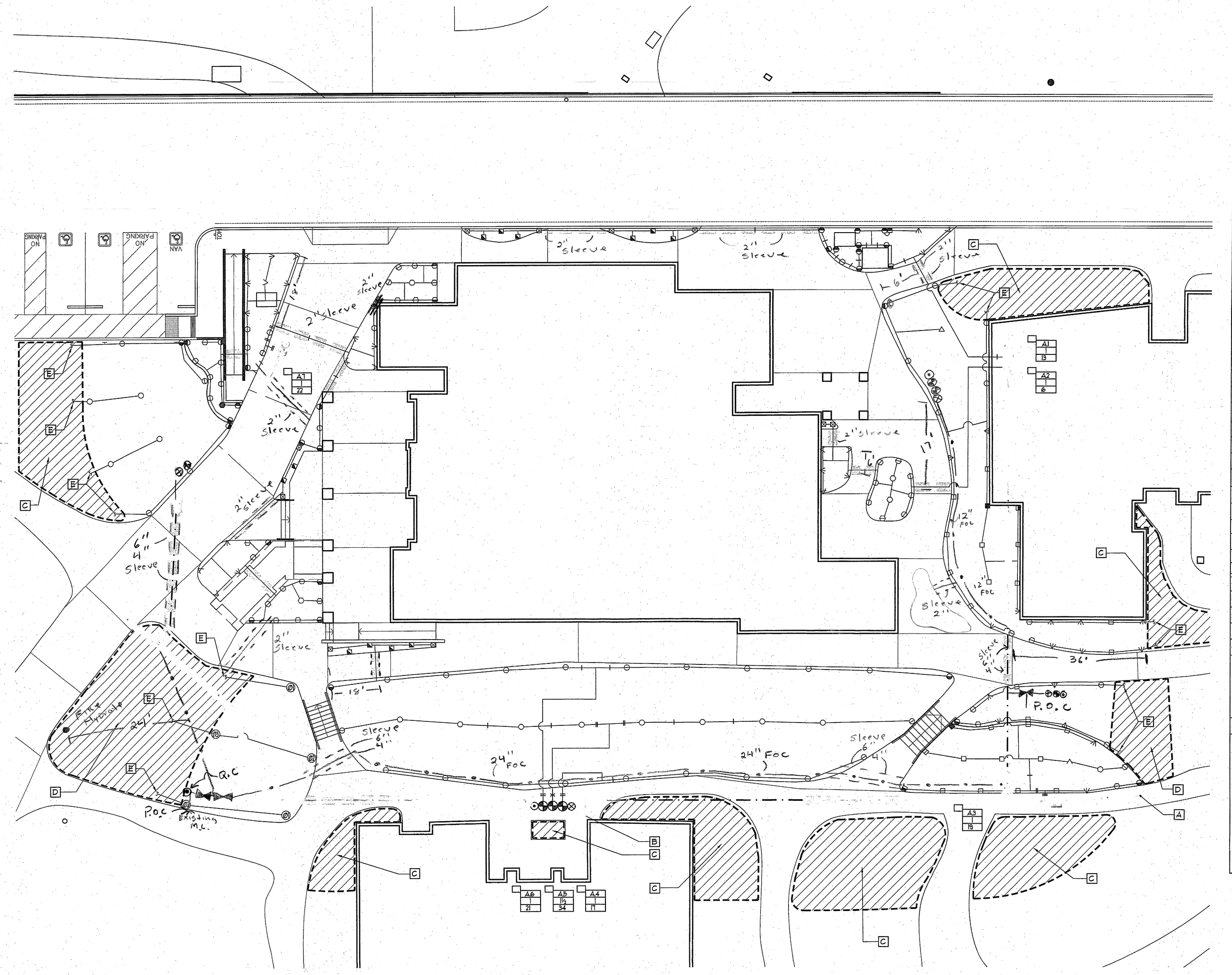
owner

tBP project number : 2048.10
file name: OA5-01-FIREDEPT.DWG
drawn by: CG checked by:
date: 09/18/06

Rev.	date:	description:

drawing title: ACCESSIBLE PATH PLAN
building no:
drawing no: T-4
drawing 5 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007 REFERENCE DOCUMENTS ONLY



IRRIGATION EQUIPMENT LEGEND

VALVES, CONTROLS, & MISC. EQUIPMENT

SYM	MANUFACTURER / MODEL #	DESCRIPTION
M	WATER METER	REFER TO CIVIL PLANS
P.O.C.	IRRIGATION POINT OF CONNECTION	SYSTEM CONNECTION - VERIFY FINAL LOCATION OF TAP W/ OWNER
	BACKFLOW PREVENTER-INSTALLED WITH CONCRETE PAD & LOCKABLE EXPANDED METAL CASE	WILKINS 975 SERIES - 2 1/2" 975XLBY WITH BRASS PYE STRAINER - 2 1/2" YSBR
	MATCO-NORCA 750 SERIES	QUICK ACTION ISOLATION GATE VALVE (LINE SIZE)
	RAINBIRD 6B SERIES	BRASS REMOTE CONTROL VALVE
	EXISTING CONTROL VALVE (NOT ALL VALVES SHOWN)	REPAIR AND INSTALL IN NEW VALVE BOX IF AFFECTED BY CONSTRUCTION OR AS DIRECTED
	RAINBIRD 44LRC	1" QUICK COUPLER VALVE
	MATCO-NORCA 755 SERIES	BRASS FULL-PORT BALL VALVE (LINE SIZE FOR MANIFOLD)
V	WEATHER-MATIC 8200GR SERIES	3" MASTER VALVE - NORMALLY CLOSED
	RAINMASTER FS-200 SERIES	PVC FLOW SENSOR - 2" SIZE
FB	PULL BOX W/ CONDUIT FOR FUTURE CENTRAL CONTROL DATA WIRE	PLACE PULL BOX AS SHOWN OR EVERY 200'
SB	SPLICE BOX	SPLICE BOX FOR EXISTING CONTROL VALVE WIRE CONNECTION
A	RAINMASTER DX-2 40 CENTRAL CONTROL AND SENSOR READY WITH PROMAX REMOTE	AUTOMATIC CONTROLLER - CENTRAL READY CONTACT HYDROSCAPE PRODUCTS
R	HUNTER MINI-CLICK RAIN SENSOR - VERIFY LOCATION W/ OWNER	CONNECT RAIN SENSOR PER HYDROSCAPE RECOMMENDATIONS

SPRINKLER HEADS

SYMBOLS					MANUFACTURER / MODEL #	SPRAY HEADS GPM - AT 30 PSI				DESCRIPTION
360	180	210	90	ADJ.		360	180	210	90	ADJ.	
○	⊖	○	◒	●	RAINBIRD 1800-SAM-15 SERIES W/ F, H, T, Q, VAN-PCS NOZZLES AS NOTED	5.7	1.85 -	.42	2.3		POP-UP SPRAY
▽	▽	▽	▼	▼	RAINBIRD 1800-SAM-12 SERIES W/ F, H, T, Q, VAN-PCS NOZZLES AS NOTED	2.6	1.3 -	.65	1.75		POP-UP SPRAY
□	⊟	□	■	■	RAINBIRD 1800-SAM-10 SERIES W/ F, H, T, Q, VAN-PCS NOZZLES AS NOTED	1.55	.74 -	.94	1.0		POP-UP SPRAY
⩛	⩛	⩛	⩛	⩛	RAINBIRD 1800-SAM-8 SERIES W/ F, H, T, Q, VAN-PCS NOZZLES AS NOTED	1.05	.52 -	.26	.75		POP-UP SPRAY
○	⊖	○	◒	●	RAINBIRD 1800-SAM-15 SERIES W/ F, H, T, Q, VAN-PCS NOZZLES AS NOTED	.41	.20 -	.10	.25		POP-UP SPRAY
@					HUNTER PGM ROTOR SERIES PGJ-03-A-V (@PM @50 PSI)	3.4					TURF ROTOR
	@				HUNTER PGM ROTOR SERIES PGJ-02-A-V (@PM @50 PSI)		2.3				TURF ROTOR
		@			HUNTER PGM ROTOR SERIES PGJ-01-A-V (@PM @50 PSI)			1.1			TURF ROTOR
B					HUNTER I-20 ULTRA SERIES ROTOR No. 1-20-6P-8.0 NOZZLE (@PM @50 PSI)	6.8					TURF ROTOR
	4				HUNTER I-20 ULTRA SERIES ROTOR No. 1-20-6P-4.0 NOZZLE (@PM @50 PSI)		4.2				TURF ROTOR
		2			HUNTER I-20 ULTRA SERIES ROTOR No. 1-20-6P-2.0 NOZZLE (@PM @50 PSI)			2.0			TURF ROTOR
			▨		RAINBIRD 1800-SAM SERIES EST-PCS SERIES NOZZLE					.61	END STRIP POP-UP SPRAY
			◩		RAINBIRD 1800-SAM SERIES SST - PCS SERIES NOZZLE					L21	SIDE STRIP POP-UP SPRAY

PIPING & SLEEVING

SYM.	DESCRIPTION
	PVC SCH. 40 'RING-TITE' PRESSURE MAINLINE PIPING 3" SIZE OR AS NOTED
	PVC SCHEDULE 40 NON-PRESSURE LATERAL LINE PIPING - SIZE AS NOTED
	PVC SCHD. 40 SLEEVING FOR MAIN OR LATERAL LINE PIPING
	PVC SLEEVING FOR CONTROL WIRES ONLY
	1" PVC CONTROL WIRE CONDUIT

BODY HEIGHT #
VALVE STATION NO. & PROGRAM
VALVE SIZE
GPM

# PROGRAMS	# BODY HEIGHT OR TYPE
1= TURF	4= 4" POP-UP HEIGHT
2= SHRUB	6= 6" POP-UP HEIGHT
	12= 12" POP-UP HEIGHT
	B= BUBBLER

IRRIGATION KEYNOTES

- A — CONNECT TO EXISTING 2" MAINLINE
- B — CONNECT NEW MAINLINE TO EXISTING MANIFOLD
- C — PROTECT EXISTING IRRIGATION IN PLACE. MAINTAIN ABILITY TO IRRIGATE LANDSCAPE. REPAIR SYSTEM IF AFFECTED BY CONSTRUCTION ACTIVITIES.
- D — REPAIR AND REPLACE EXISTING IRRIGATION WHICH BECOMES AFFECTED BY CONSTRUCTION ACTIVITIES. ADJUST SPACING TO PROVIDE FULL COVERAGE AND MINIMIZE OVERSPRAY
- E — INSTALL NEW IRRIGATION AND TIE INTO EXISTING SYSTEM. ADJUST SPACING TO PROVIDE FULL COVERAGE AND MINIMIZE OVERSPRAY

IRRIGATION TIC METHOD PIPE SIZING CHART

PVC SCH 40 LATERAL

SIZE	TIC SYMBOL	GPM RANGE
¾"		0 - 8
1"		9 - 13
1¼"		14 - 23
1½"		24 - 32
2"		33 - 52
2½"		52 - 75

NOTE: THIS TIC METHOD CHART APPLIES TO LATERAL LINES ONLY.

SCALE 1" = 10'

THE LIGHTFOOT PLANNING GROUP
PLANNING SITE DESIGN LANDSCAPE ARCHITECTURE
5750 FLEET STREET SUITE 250
CARLSBAD, CA 92008
(760)692-1924 FAX:(760) 692-1935

tBP
architecture
planning
interiors
management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
consultant

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04-107979
AC — RS — SS — DV
DATE SEP 2 9 2006
agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

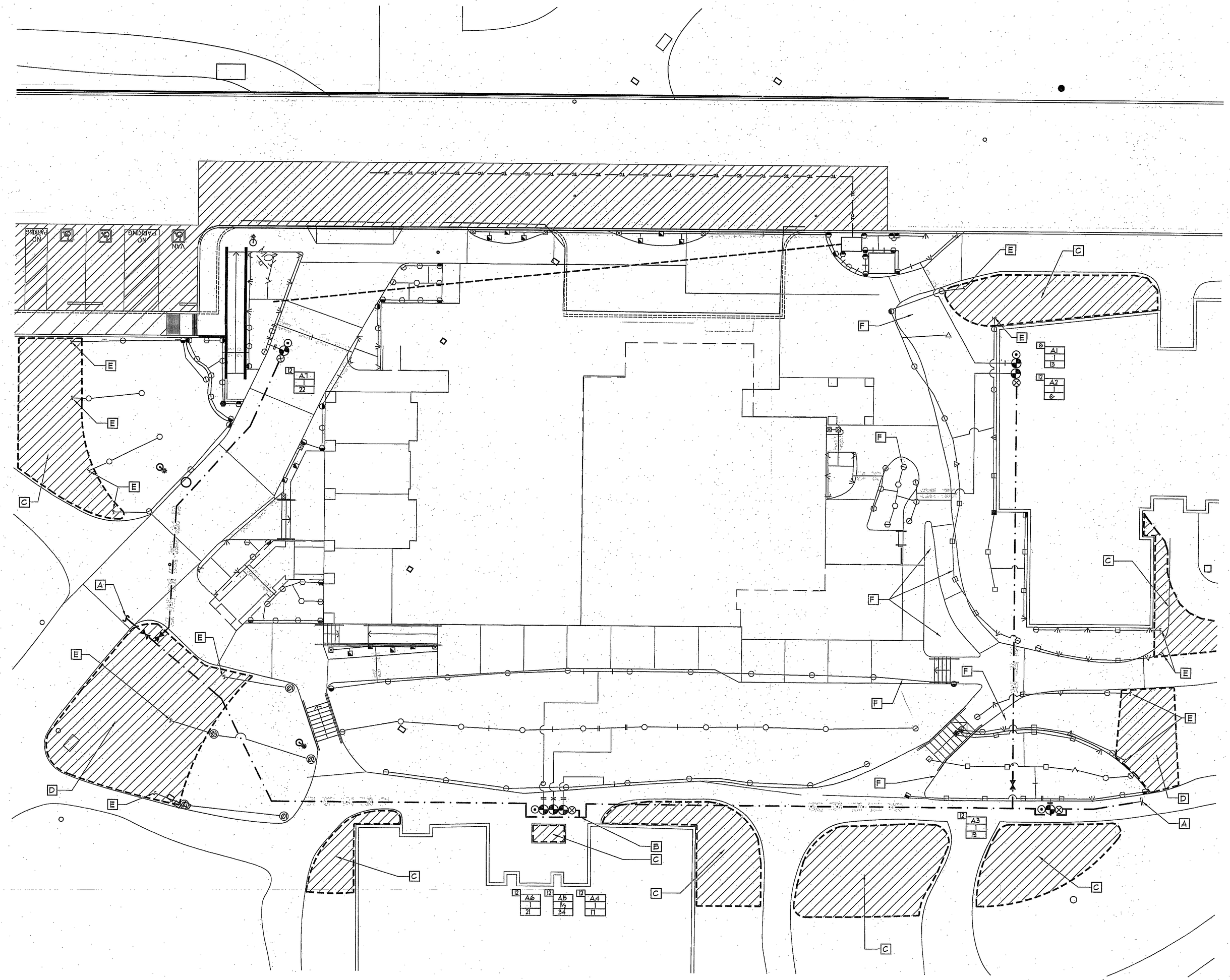
owner

tBP project number : 20489.10
file name:
drawn by: checked by:
date: 07/03/06

Rev:	date:	description:

drawing title: Irrigation plan
building no.:
drawing no.: L-1.1
drawing 6 of 107

SAN B400 & B900 BUILDING RENOVATION PLANS 2007 REFEERENCE DOCUMENTS ONLY.
Exhibit 7 – SAN B900 RENOVATION PLANS 2007 REFEERENCE DOCUMENTS ONLY.



IRRIGATION EQUIPMENT LEGEND

VALVES, CONTROLS, & MISC. EQUIPMENT

SYM	MANUFACTURER / MODEL #	DESCRIPTION
M	WATER METER	REFER TO CIVIL PLANS
P.O.C.	IRRIGATION POINT OF CONNECTION	SYSTEM CONNECTION - VERIFY FINAL LOCATION OF TAP W/ OWNER
⋈	MATCO-NORCA 730 SERIES	QUICK ACTION ISOLATION GATE VALVE (LINE SIZE)
◉	RAINBIRD 6B SERIES	BRASS REMOTE CONTROL VALVE
⊕	EXISTING CONTROL VALVE (NOT ALL VALVES SHOWN)	REPAIR AND INSTALL IN NEW VALVE BOX IF AFFECTED BY CONSTRUCTION OR AS DIRECTED
⊙	RAINBIRD 44LRC	1" QUICK COUPLER VALVE
⊗	MATCO-NORCA 755 SERIES	BRASS FULL-PORT BALL VALVE (LINE SIZE FOR MANIFOLD)

SPRINKLER HEADS

SYMBOLS 360	180	210	90	ADJ.	MANUFACTURER / MODEL #	SPRAY HEADS GPM - AT 30 PSI 360	180	210	90	ADJ.	DESCRIPTION
○	⊖	◒	◒	●	RAINBIRD 1800-SAM-18 SERIES W, F, H, T, Q, VAN-PCS NOZZLES AS NOTED	3.1	1.85	-	.42	2.5	POP-UP SPRAY
▽	▽	▽	▽	▼	RAINBIRD 1800-SAM-12 SERIES W, F, H, T, Q, VAN-PCS NOZZLES AS NOTED	2.6	1.3	-	.65	1.75	POP-UP SPRAY
□	⊟	□	■	■	RAINBIRD 1800-SAM-10 SERIES W, F, H, T, Q, VAN-PCS NOZZLES AS NOTED	1.58	.78	-	.34	1.0	POP-UP SPRAY
⩛	⩛	⩛	⩛	⩛	RAINBIRD 1800-SAM-8 SERIES W, F, H, T, Q, VAN-PCS NOZZLES AS NOTED	1.05	.52	-	.26	.75	POP-UP SPRAY
○	⊖	◒	◒	●	RAINBIRD 1800-SAM-5 SERIES W, F, H, T, Q, VAN-PCS NOZZLES AS NOTED	.41	.20	-	.10	.25	POP-UP SPRAY
B					HUNTER I-20 ULTRA SERIES ROTOR No. I-20-6P-8.0 NOZZLE (GPM @50 PSI)	6.8					TURF ROTOR
	4				HUNTER I-20 ULTRA SERIES ROTOR No. I-20-6P-4.0 NOZZLE (GPM @50 PSI)		4.2				TURF ROTOR
		2			HUNTER I-20 ULTRA SERIES ROTOR No. I-20-6P-2.0 NOZZLE (GPM @50 PSI)				2.0		TURF ROTOR
			180		RAINBIRD 1800-SAM SERIES 25T-PCS SERIES NOZZLE					.61	END STRIP POP-UP SPRAY
			▮		RAINBIRD 1800-SAM SERIES 56T - PCS SERIES NOZZLE					1.21	SIDE STRIP POP-UP SPRAY
			●		RAINBIRD 5 SERIES MPR STREAM BUBBLER SH-5		1.00				STREAM BUBBLER

PIPING & SLEEVING

SYM.	DESCRIPTION
——	PVC SCH. 40 'RING-TITE' PRESSURE MAINLINE PIPING 3" SIZE OR AS NOTED
——	PVC SCHEDULE 40 NON-PRESSURE LATERAL LINE PIPING - SIZE AS NOTED
- - -	PVC SCHD. 40 SLEEVING FOR MAIN OR LATERAL LINE PIPING
- - -	PVC SLEEVING FOR CONTROL WIRES ONLY
- - -	1" PVC CONTROL WIRE CONDUIT

12 A24 1½ 20 — BODY HEIGHT # / VALVE STATION NO. & PROGRAM # / VALVE SIZE / GPM

# PROGRAMS	# BODY HEIGHT OR TYPE
1= TURF	4= 4" POP-UP HEIGHT
2= SHRUB	6= 6" POP-UP HEIGHT
	12= 12" POP-UP HEIGHT
	B= BUBBLER

IRRIGATION KEYNOTES

- A — CONNECT TO EXISTING 2" MAINLINE
- B — CONNECT NEW MAINLINE TO EXISTING MANIFOLD
- C — PROTECT EXISTING IRRIGATION IN PLACE. MAINTAIN ABILITY TO IRRIGATE LANDSCAPE. REPAIR SYSTEM IF AFFECTED BY CONSTRUCTION ACTIVITIES.
- D — INSTALL NEW IRRIGATION AND TIE INTO EXISTING SYSTEM. ADJUST SPACING TO PROVIDE FULL COVERAGE AND MINIMIZE OVERSPRAY
- E — CONNECT NEW IRRIGATION LATERALS AND HEADS TO EXISTING VALVES COORDINATE IRRIGATION TIE-IN WITH OWNER AND ARCHITECT ADJUST SYSTEM FOR OPTIMUM PERFORMANCE EVALUATE AND DOCUMENT TOTAL GPM FLOW ON IRRIGATION 'AS BUILTS'
- F — FOR BID PURPOSES ONLY, CONTRACTOR SHALL FULLY IRRIGATE PLANTER AREA WITH APPROPRIATE SPRAY HEADS FOR COMPLETE COVERAGE. ADJUST SYSTEM TO MINIMIZE OVERSPRAY ON TO WALKS CONNECT LATERAL LINES TO NEAREST VALVE MANIFOLD. FURTHER DIRECTION AND CLARIFICATION WILL BE ISSUED FROM THE ARCHITECT OVER THE DISPOSITION OF IRRIGATION IN THESE AREAS.

IRRIGATION TIC METHOD PIPE SIZING CHART

PVC SCH 40 LATERAL

SIZE	TIC SYMBOL	GPM RANGE
¾"	——	0 - 8
1"	——	9 - 13
1¼"	——	14 - 23
1½"	——	24 - 32
2"	——	33 - 52
2½"	——	52 - 75

NOTE: THIS TIC METHOD CHART APPLIES TO LATERAL LINES ONLY.

SCALE 1"=10'

THE LIGHTFOOT PLANNING GROUP
PLANNING SITE DESIGN LANDSCAPE ARCHITECTURE
5750 FLEET STREET SUITE 250
CARLSBAD, CA 92008
(760)692-1924 FAX:(760) 692-1935

tBP
architecture
planning
interiors
management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

consultant

FILE COPY
CONSTRUCTION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC- RS SS
DATE

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007

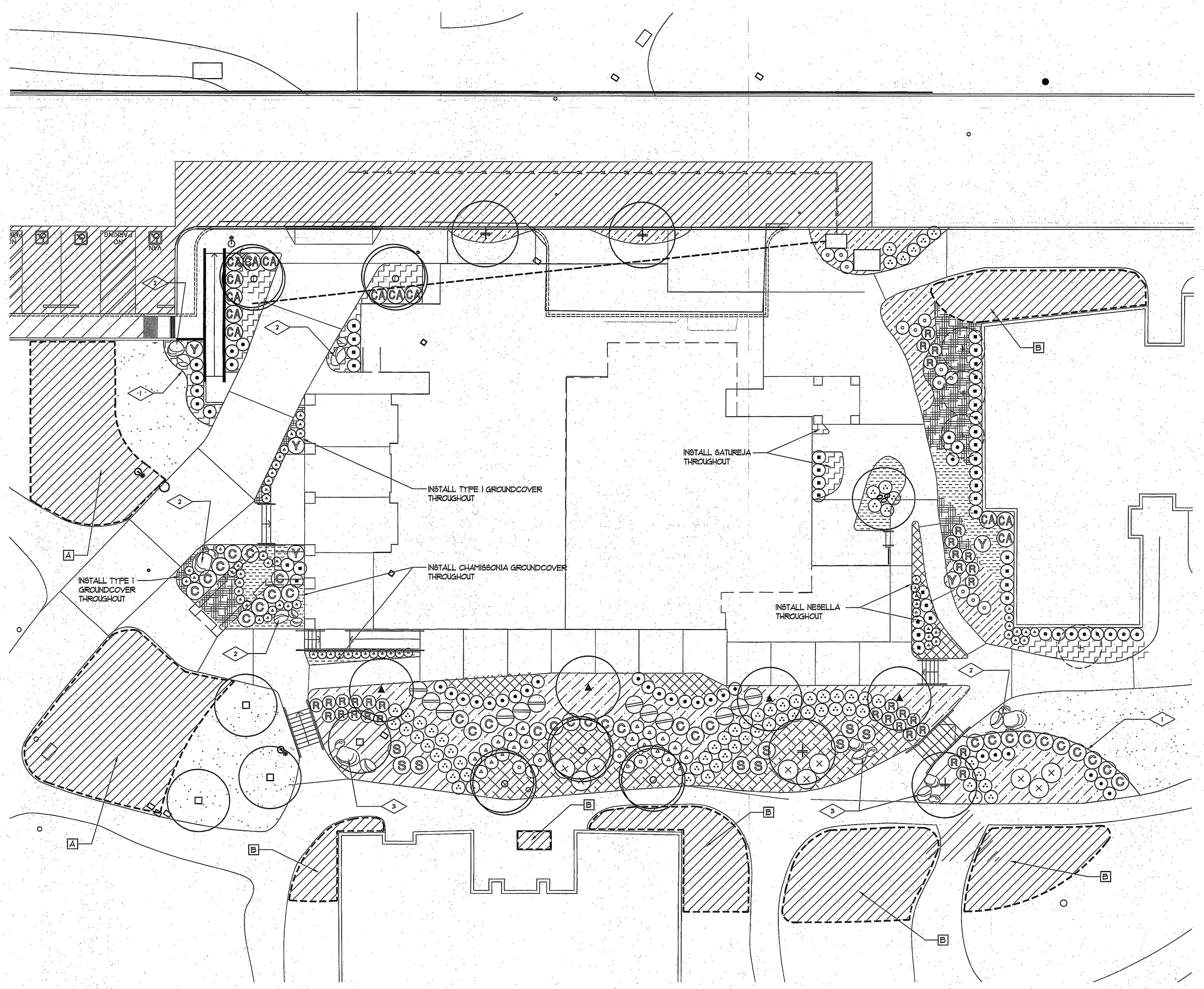
owner

tBP project number : 20405.10
file name:
drawn by: checked by:
date: 07/03/06

Rev:	date:	description:
	10/25/06	ADDENDUM No1

drawing title: Irrigation plan
building no:
drawing no: R L-1.1
drawing 6 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007 REFERENCE DOCUMENTS ONLY.



PLANT MATERIAL LEGEND

TREES

SYM	BOTANICAL NAME / VARIETY	COMMON NAME	SIZE / SPACING	REMARKS
⊙	MALOSMA LAURINA	N.C.N.	24" BOX	STANDARD
⊙	PINUS TORREYANA	TORREY PINE	24" BOX	
⊙	UMBELLULARIA CALIFORNICA	CALIFONIA LAUREL	24" BOX	
⊙	QUERCUS AGRIFOLIA	COAST LIVE OAK	36" BOX	MULTI
+	QUERCUS AGRIFOLIA	COAST LIVE OAK	24" BOX	

SHRUBS (AREAS TO RECEIVE ORGANIC MULCH)

SYM	BOTANICAL NAME / VARIETY	COMMON NAME	SIZE / SPACING
Y	YUCCA WHIPPLEI	OUR LORD'S CANDLE	15 GAL.
R	ROSA CALIFORNICA	CALIFORNIA WILD ROSE	5 GAL./ 5' O.C.
⊙	ERIOGONUM FASCICULATUM 'DANA POINT'	DANA POINT BUCKWHEAT	5 GAL./ 5' O.C.
⊖	RHAMNUS CALIFORNICA	CALIFORNIA COFFEEBERRY	5 GAL./ 4' O.C.
⊗	RHUS INTEGRIFOLIA	LEMONADE BERRY	5 GAL./ 4' O.C.
⊙	CALLIANDRA ERIOPHYLLA	FAIRY DUSTER	5 GAL./ 5' O.C.
S	SALVIA 'WHIRLY BLUE'	SALVIA 'WHIRLY BLUE'	5 GAL./ 4' O.C.
⊙	RIBES VIBURNIFOLIUM	EVERGREEN CURRANT	5 GAL./ 3' O.C.
C	CEANOTHUS 'JOYCE COULTER'	JOYCE COULTER CEANOTHUS	5 GAL./ 4' O.C.
⊙	PENSTEMON SPECTABILIS	SHOWY PENSTEMON	5 GAL./ 3' O.C.
CA	CARPENTERIA CALIFORNICA	BUSH ANEMONE	5 GAL./ 4' O.C.
⊙	MIMULUS AURANTICATUS	BUSH MONKEYFLOWER	5 GAL./ 3' O.C.

GROUNDCOVERS

(NO ORGANIC MULCH - COVERAGE TO EXTEND TO SHRUB DRIP LINE UNLESS NOTED)

SYM	BOTANICAL NAME / VARIETY	COMMON NAME	SIZE / SPACING
	NESSELLA LEPIDA	FOOTHILL NEEDLEGRASS	4" POTS / 12" O.C.
	LEYMUS CONDENSATUS 'CANYON PRINCE'	GIANT WILD RYE	4" POTS / 8" O.C.
	IVA HAYESIANA	SAN DIEGO MARSH ELDER	4" POTS / 12" O.C.
	CEANOTHUS GRISEUS HORIZONTALIS 'YANKEE POINT'	CEANOTHUS GRISEUS HORIZONTALIS 'YANKEE POINT'	1 GAL. / 18" O.C.
	MUHLENBERGIA RIGENS	DEERSGRASS	4" POTS / 12" O.C.
	SATUREJA CHANDLERI	SAN MIGUEL SAVORY	4" POTS / 18" O.C.
	CHAMISSONIA CHEIRANTHIFOLIA	BEACH EVENING PRIMROSE	4" POTS / 18" O.C.
	TYPE I GROUND COVER 50/50 MIXTURE IRIS DOUGLASIANA HESCHERA MAXIMA	DOUGLAS IRIS ISLAND ALUM ROOT	4" POTS / 12" O.C. 4" POTS / 12" O.C.

TURF & HYDROSEED

SYM	DESCRIPTION	SPECIFICATION
	HYDROSEED TYPE A EDEN DWARF TURF TYPE TALL FESCUE	02900

LANDSCAPE KEY NOTES

SYM	DESCRIPTION	SPECIFICATION
A	EXISTING TURF GRASS AND TREES TO BE PROTECTED AND MAINTAINED DURING CONSTRUCTION. REPAIR OR REPLACE IN KIND IF AFFECTED BY CONSTRUCTION ACTIVITIES. PROVIDE IRRIGATION DURING CONSTRUCTION.	01530
B.	EXISTING LANDSCAPE TO BE PROTECTED IN PLACE AND MAINTAINED DURING CONSTRUCTION. REPAIR OR REPLACE IN KIND IF AFFECTED BY CONSTRUCTION ACTIVITIES. PROVIDE IRRIGATION DURING CONSTRUCTION.	01530 02900

CONSTRUCTION KEY NOTES

SYM	DESCRIPTION	DETAIL
1	CONCRETE MOW STRIP	6/L-4.1
2	BOULDER GROUP TYPE 1 ONE - 3½'-3' ϕ , TWO - 2½'-3' ϕ 'LOCAL GREY' AVAILABLE THROUGH KRC ROCK (760) 744-1236	7/L-4.1
3	BOULDER GROUP TYPE 2 TWO - 3'-4' ϕ ONE - 2½'-3' ϕ 'LOCAL GREY' AVAILABLE THROUGH KRC ROCK (760) 744-1236	7/L-4.1

SPECIAL CONDITIONS

SYM	DESCRIPTION
+	PROTECT AND MAINTAIN EXISTING TREES FROM CONSTRUCTION ACTIVITIES. PRUNE AND THIN AT OWNER/LANDSCAPE ARCHITECT DIRECTION - SEE SPECIFICATIONS

SCALE 1"=10'

THE LIGHTFOOT PLANNING GROUP
PLANNING SITE DESIGN LANDSCAPE ARCHITECTURE
5750 FLEET STREET SUITE 250
CARLSBAD, CA 92008
(760)692-1924 FAX:(760) 692-1935

tBP
architecture
planning
interiors
management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

FILE COPY
DSA/FIELD REVIEW STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC. ISS
DATE
agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

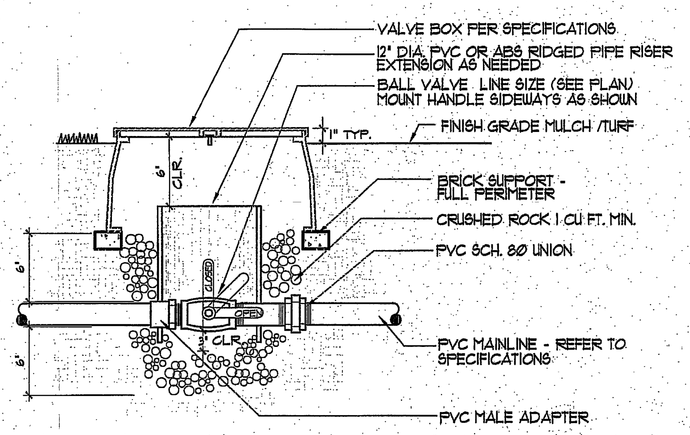
tBP project number : 2048910
file name:
drawn by: checked by:
date: 07/03/06

Rev:	date:	description:
	10/25/06	ADDENDUM No1

drawing title: Planting plan
building no.:

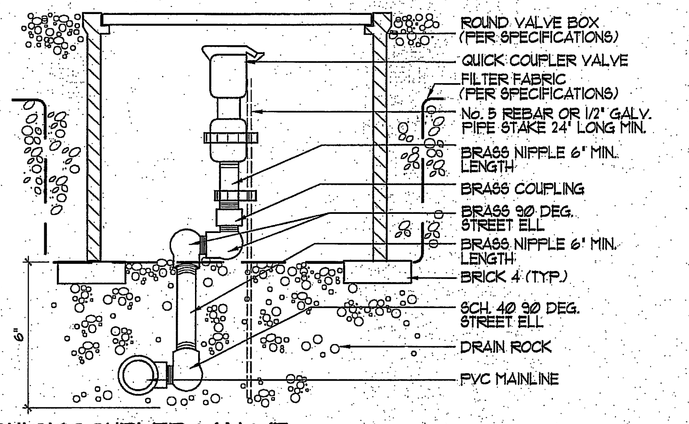
drawing no.: RL-2.1
drawing 7 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007 REFERENCE DOCUMENTS ONLY



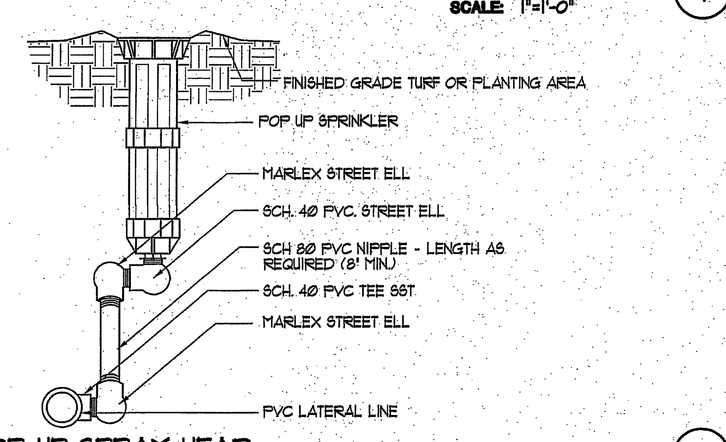
5 BRASS BALL VALVE

SCALE: 1"=1'-0"



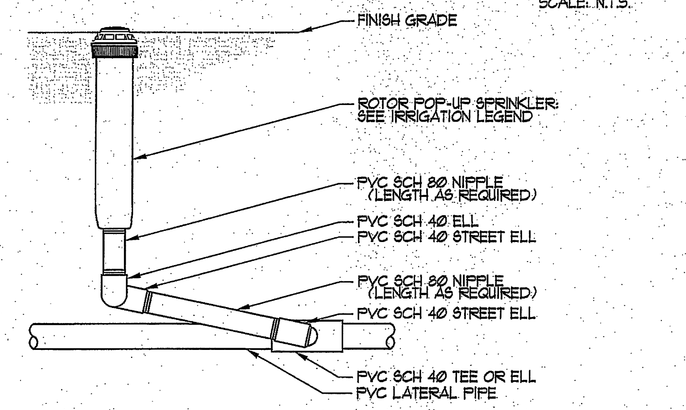
1 QUICKCOUPLER VALVE

SCALE: N.T.S.



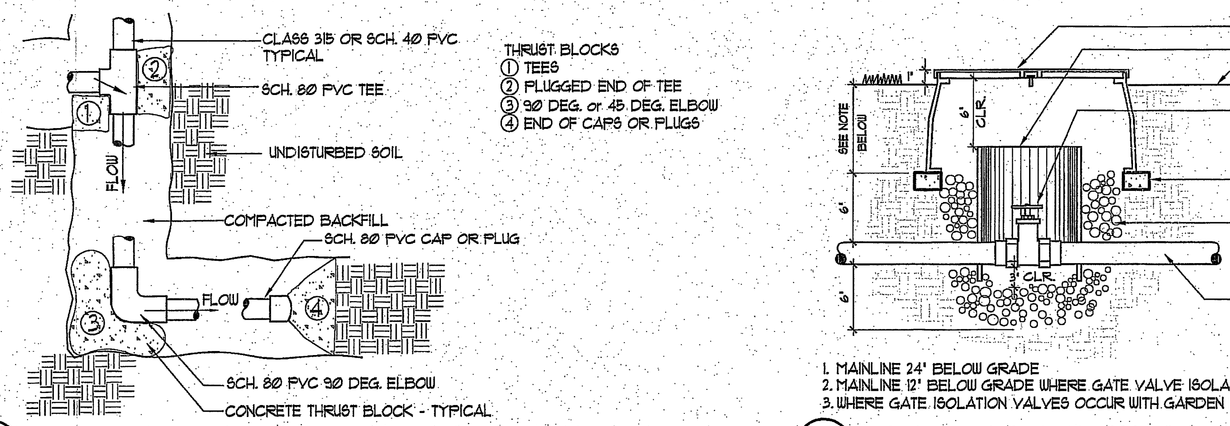
6 12" POP-UP SPRAY HEAD

SCALE: N.T.S.



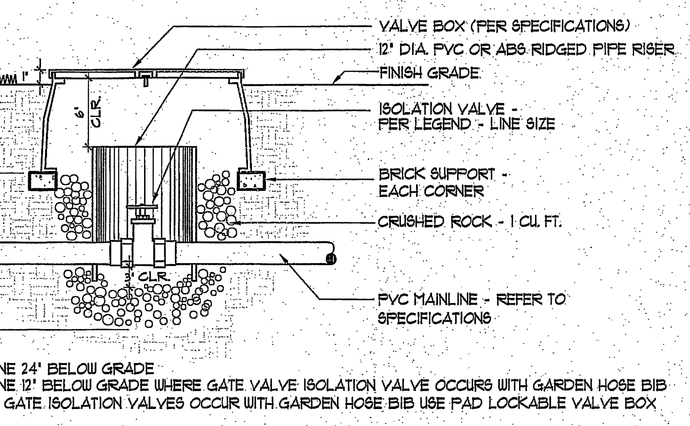
2 ROTOR HEAD

SCALE: 1"=1'-0"



7 THRUST BLOCK INSTALLATION

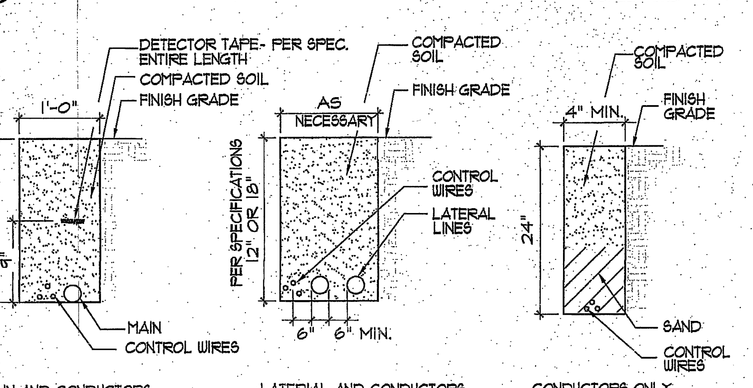
SCALE: N.T.S.



1. MAINLINE 24" BELOW GRADE
2. MAINLINE 12" BELOW GRADE WHERE GATE VALVE ISOLATION VALVE OCCURS WITH GARDEN HOSE BIB
3. WHERE GATE ISOLATION VALVES OCCUR WITH GARDEN HOSE BIB USE PAD LOCKABLE VALVE BOX

3 GATE ISOLATION VALVE

SCALE: N.T.S.



8 TRENCHING DETAIL

SCALE: N.T.S

9 ELECTRICAL WIRING

SCALE: N.T.S.

4 REMOTE CONTROL VALVE

SCALE: N.T.S.

THE LIGHTFOOT PLANNING GROUP
PLANNING SITE DESIGN LANDSCAPE ARCHITECTURE
5750 FLEET STREET SUITE 250
CARLSBAD, CA 92008
(760)692-1924 FAX:(760) 692-1935

tBP
architecture
planning
interiors
management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

consultant

RECEIVED
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC RS SS
DATE

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 29489.10

file name:

drawn by: checked by:

date: 07/03/06

Rev.	date:	description:
	10/25/06	ADDENDUM No1

drawing title: landscape details

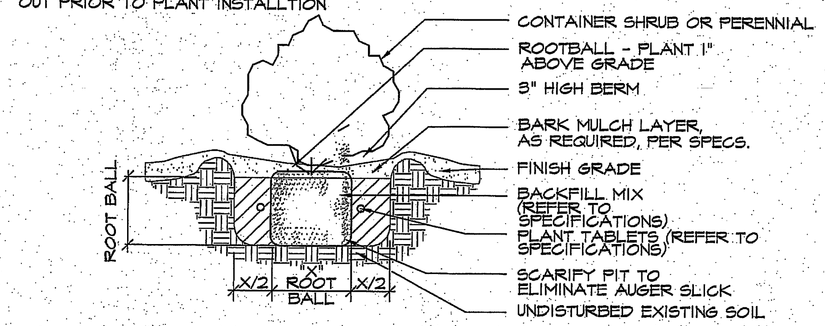
building no.:

drawing no.: R L-3.1

drawing 8 of 109

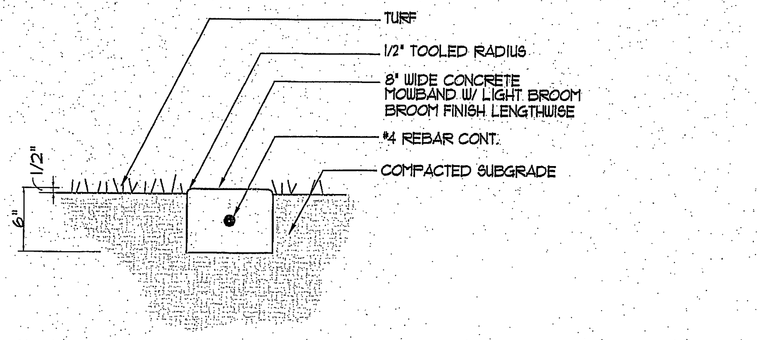
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

NOTE:
PRIOR TO PLANT INSTALLATION PRE-WATER ROOTBALL BY FILLING PLANT PIT 1/2 FULL OF CLEAN POTTABLE WATER ALLOW TO WATER TO PERCOLATE OUT PRIOR TO PLANT INSTALLTION



5 SHRUB PLANTING

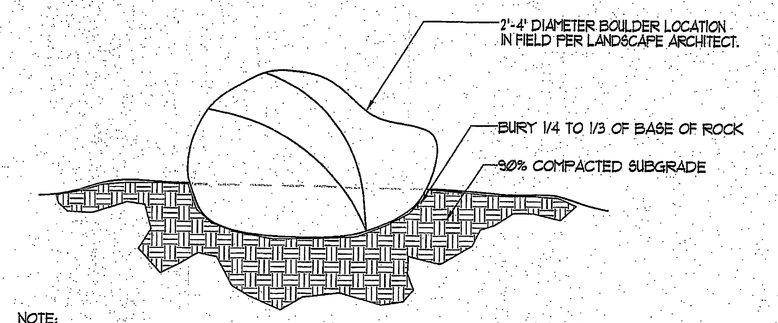
SCALE: 3/4" = 1'-0"



NOTE:
EXPANSION JOINTS SHALL BE 1 1/2" DEEP SCORE, STRAIGHT RUNS @ 30'-0" O.C. MAX INTERVAL AND AT 20'-0" O.C. MAX ALONG CURVES. PROVIDE 1/4" WIDE x 3/4" DEEP SCORE @ 5'-0" O.C. INTERVAL.

6 CONCRETE MOW CURB

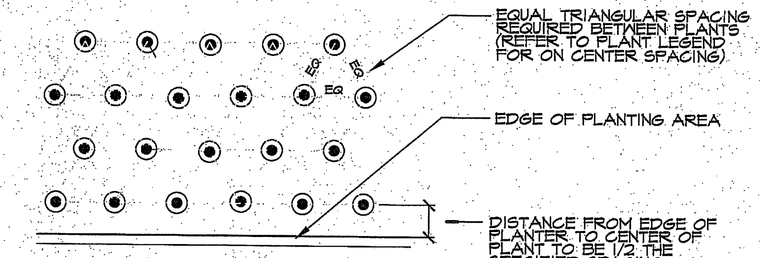
SCALE: 1-1/2"=1'-0"



NOTE:
ALL BOULDERS TO BE "LOCAL GREY" BOULDERS SOLID WITH NO CRACKS

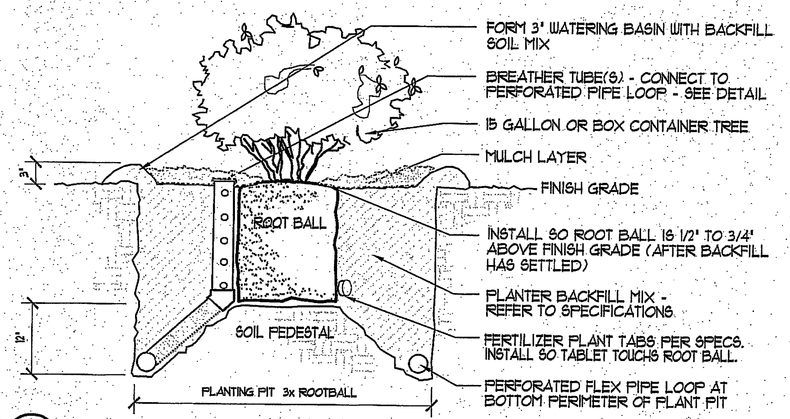
7 BOULDER BURIAL

SCALE: NTS



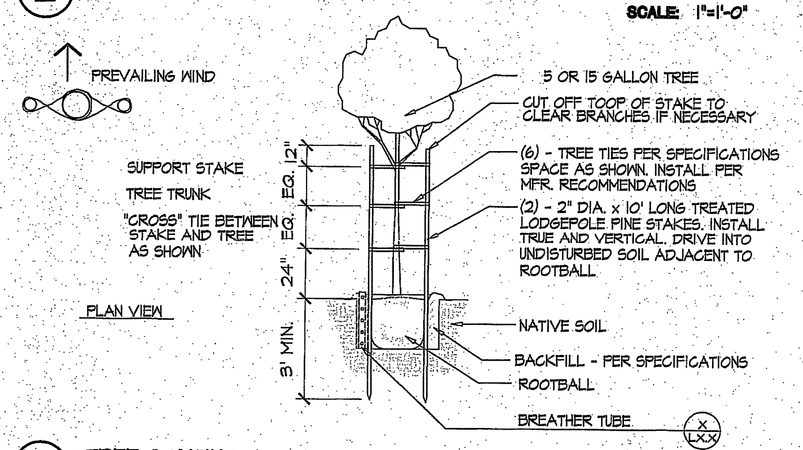
1 PLANT SPACING

SCALE: 1"=1'-0"



2 15 GALLON OR BOX TREE INSTALLATION

SCALE: 1"=1'-0"



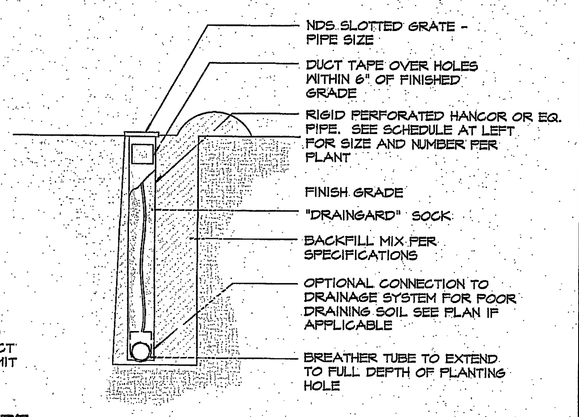
3 TREE STAKING

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

INSTALL BREATHER TUBES ON ALL TREES AND SHRUBS PER THE FOLLOWING SCHEDULE

1 & 5 GALLON	NONE
15 GALLON	(1) - 3"
24"BOX	(2) -3"
36" BOX	(2) -4"
48" BOX	(3) - 3"
60" BOX & LARGER	(4) - 4"
B&B PALMS	(4) - 4"

REQUIREMENT FOR SHRUB MAY BE OMMITTED BY LANDSCAPE ARCHITECT IF SOIL CONDITIONS PERMIT



4 BREATHER TUBE

SCALE: 1"=1'-0"

THE LIGHTFOOT PLANNING GROUP
PLANNING SITE DESIGN LANDSCAPE ARCHITECTURE
5750 FLEET STREET SUITE 250
CARLSBAD, CA 92008
(760)692-1924 FAX:(760) 692-1935

tBP
architecture planning interiors management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

RECEIVED
CONSTRUCTION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC. ES SS
DATE

agency

San Elijo Student Center MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 26489.10

file name:

drawn by: checked by:

date: 07/13/06

Rev:	date:	description:
	10/25/06	ADDENDUM No1

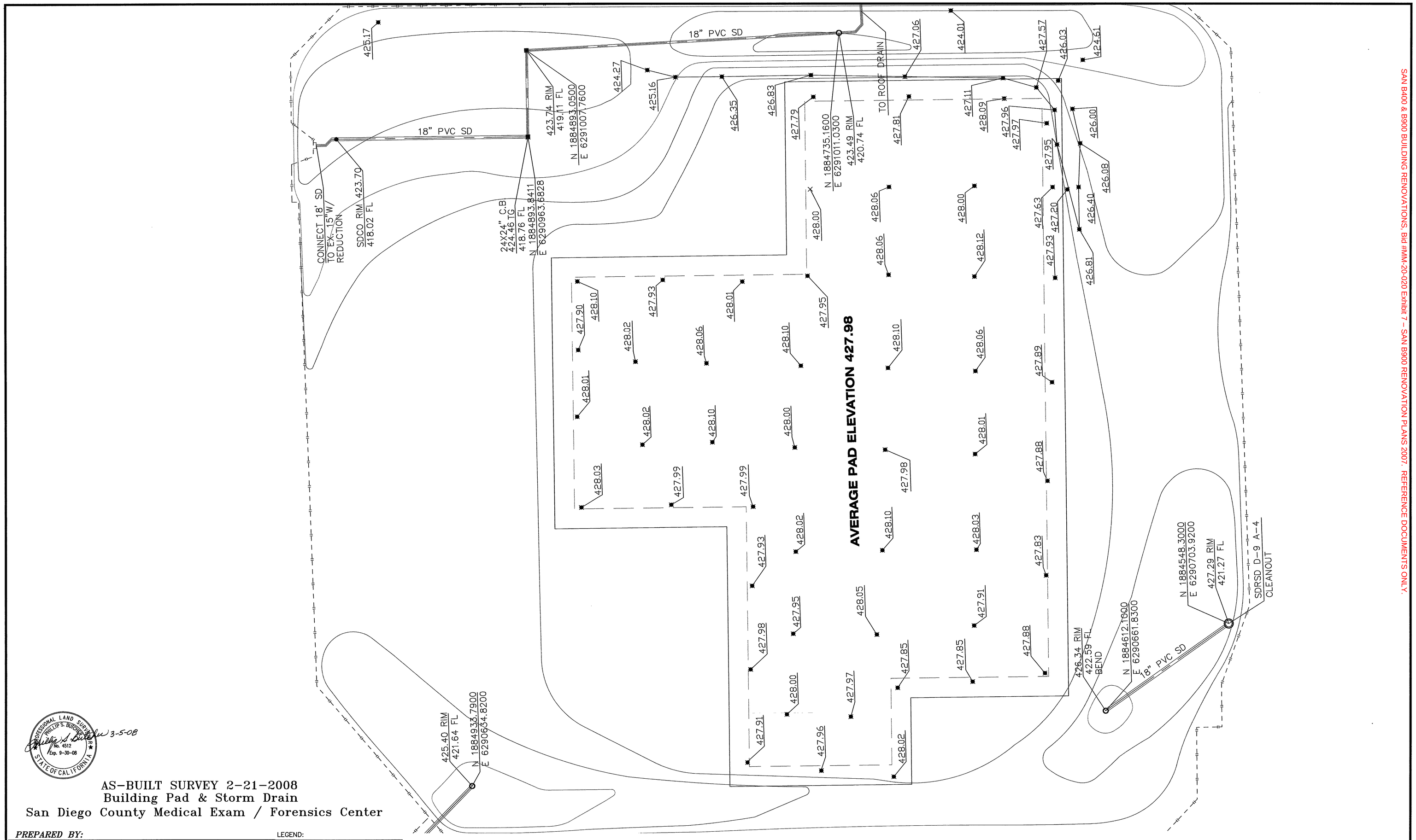
drawing title: landscape details

building no:

drawing no: RL-4.1

drawing 9 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007 REFERENCE DOCUMENTS ONLY.



PROFESSIONAL LAND SURVEYOR PHILLIP S. BUDOMO No. 4512 Exp. 9-30-08 STATE OF CALIFORNIA

3-5-08

AS-BUILT SURVEY 2-21-2008
Building Pad & Storm Drain
San Diego County Medical Exam / Forensics Center

PREPARED BY:

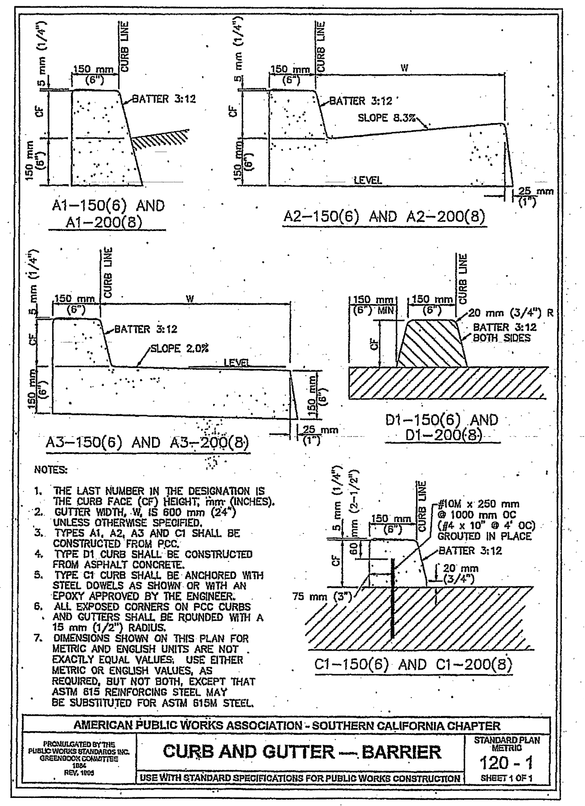
GUIDA SURVEYING INC.
145 VALLECITOS DE ORO, SUITE L & M
SAN MARCOS, CALIFORNIA 92069
(760) 759-2200 FAX (760) 759-2219
WWW.guidasurveying.com
rallen@guidasurveying.com

JOB NO. 0307231

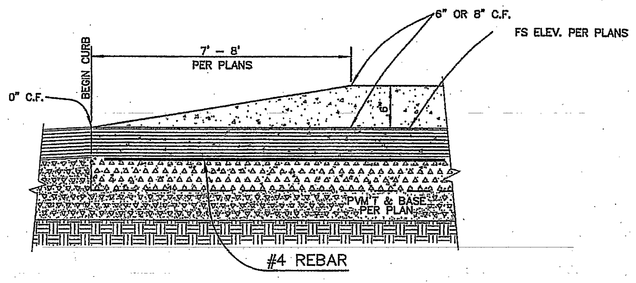
LEGEND:

000.00 =SPOT ELEVATION
TG =TOP GRATE
FL =FLOW LINE

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



3 4 CURB AND GUTTER DETAIL



5 0"–6" CURB TRANSITION DETAIL

SEE SHEET C2

SEE SHEET C2

EXISTING FIRE ROADWAY

FIRE LANE

STUDENT CENTER

(E) BLDG. 400
A EXISTING BUILDING
FF=61.16
(FF=61.66)
ASSUMED

(E) ADMIN. BLDG.
A-47446

FF=63.71

Existing storm sdt

6" SDR storm

IRRIGATION SPRINKLER (TYP.)

BENCH

PLANTER AREA

RAMP 5.4%

Provide 2'-6" clear way

Remove & replace existing handrail to match existing

Remove & replace existing landing for handrail

Existing retaining wall to remain

Remove & replace existing steps

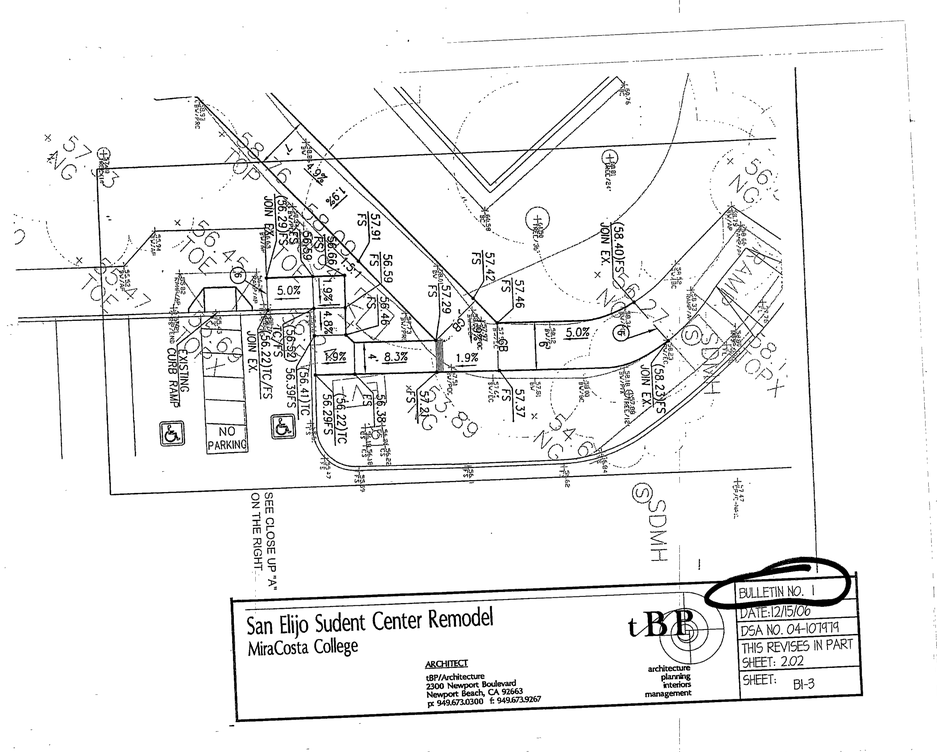
Remove & replace existing ramp

Remove & replace existing curb & gutter

Remove & replace existing sidewalk

Remove & replace existing curb





SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

San Elijo Student Center
MiraCosta College

MiraCosta College – San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

tBP project number : 0628#

file name:

drawn by: checked by:

date:8/3/06

10/25/06 ADDENDUM No1

drawing title: building no.:

PRECISE GRADING PLAN

drawing no.:

R-C2

drawing 11 of 104

DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP.#A-107979
FLS SS
DATE

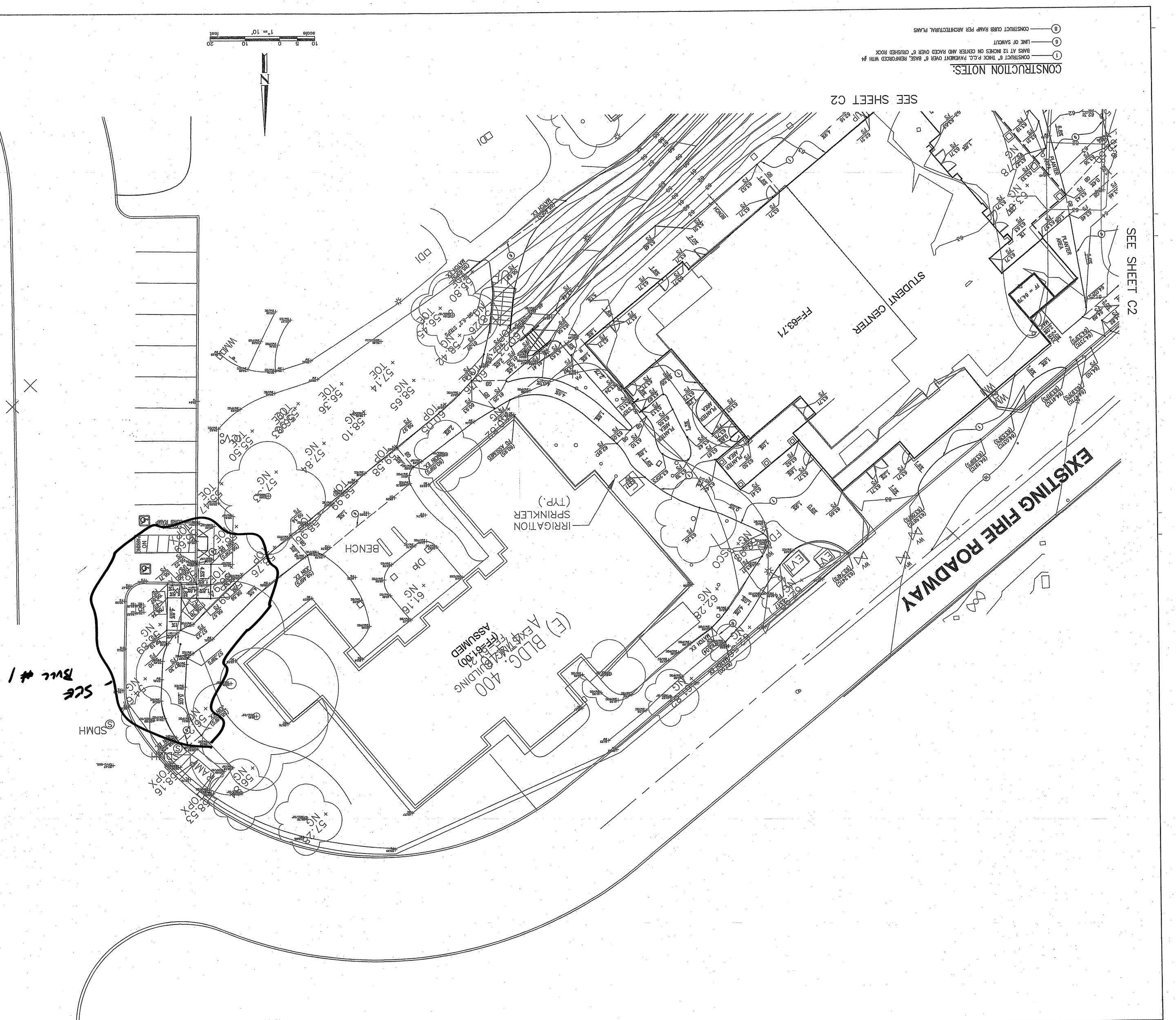
Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471

Hall & Foreman, Inc.
Engineering-Surveying-Planning-Landscape Architecture
4740 ORANGE AVE. SUITE 100 NEWPORT BEACH, CA 92660 PH: 949-863-1990

Prepared under the supervision of:
Gerald Hofmaster, PE
RCE 20187
Expires 9/30/07
9/6/07

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

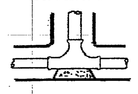
architecture
planning
interiors
management



NOTES FOR THRUST BLOCK RESTRAINTS

PLACE THE FOLLOWING NOTES, VERBATIM, ON THE PLAN:

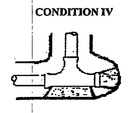
CONDITION I



CONDITION II

CONDITION III

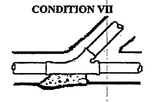
CONDITION IV



CONDITION V

CONDITION VI

CONDITION VII



CONDITION VIII

THRUST BLOCK BEARING AREA IN SQUARE FEET

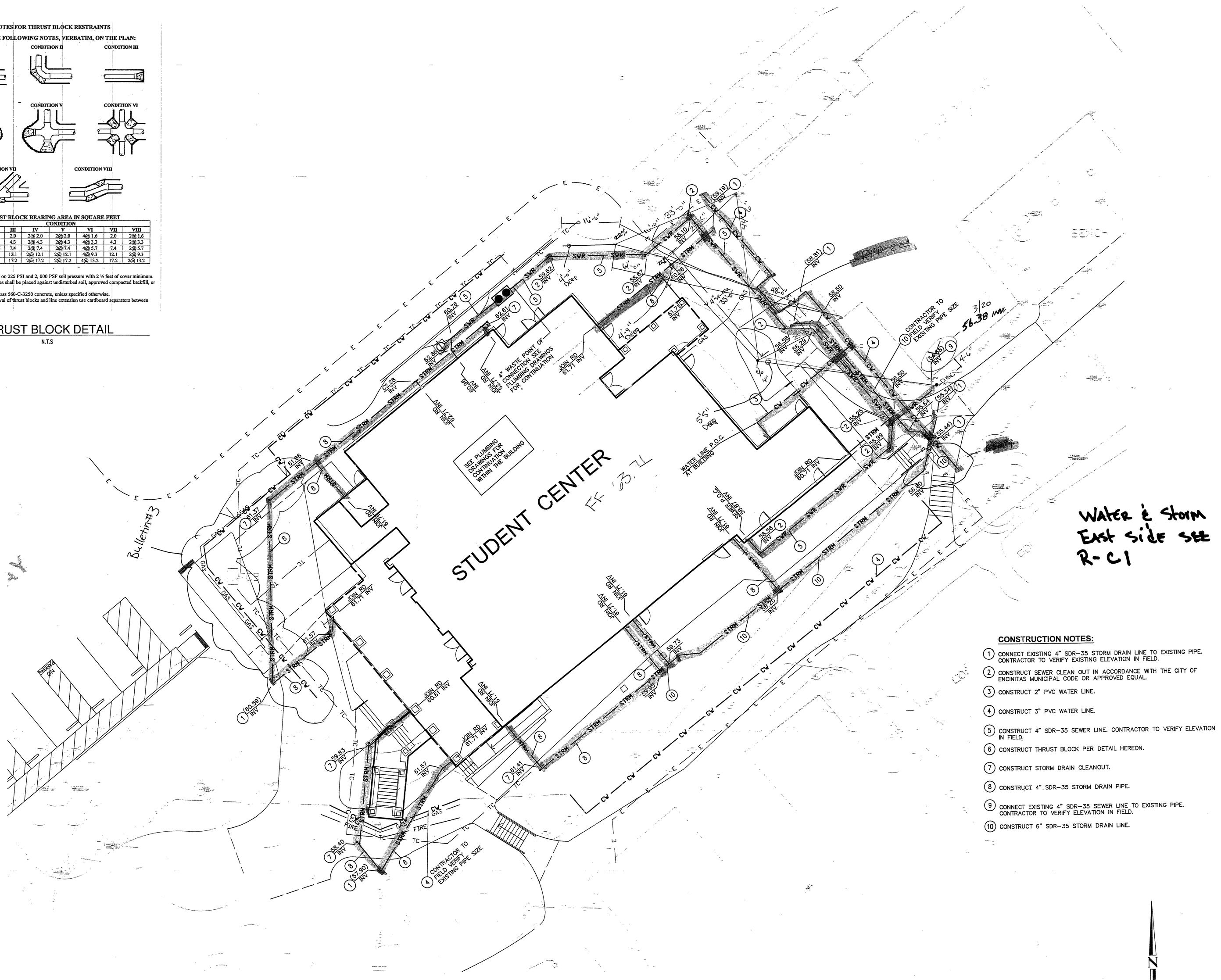
Pipe Size	CONDITION							
	I	II	III	IV	V	VI	VII	VIII
<6"	2.0	2.9	2.0	2@ 2.0	2@2.0	4@ 1.6	2.0	2@ 1.6
6"	4.3	4.0	4.3	2@ 4.3	2@4.3	4@ 3.3	4.3	2@ 3.3
8"	7.4	10.6	7.4	2@ 7.4	2@7.4	4@ 5.7	7.4	2@ 5.7
10"	12.1	17.1	12.1	2@ 12.1	2@ 12.1	4@ 9.3	12.1	2@ 9.3
12"	17.2	24.1	17.2	2@ 17.2	2@ 17.2	4@ 13.2	17.2	2@ 13.2

NOTES

1. Thrust block areas based on 225 PSI and 2, 000 PSF soil pressure with 2 ½ feet of cover minimum.
2. Thrust block bearing faces shall be placed against undisturbed soil, approved compacted backfill, or Class 100-E-100 slurry.
3. Thrust blocks shall be Class 560-C-3250 concrete, unless specified otherwise.
4. To facilitate future removal of thrust blocks and line extension use cardboard separators between blocks, if needed.

6 THRUST BLOCK DETAIL

N.T.S



CONSTRUCTION NOTES:

1. CONNECT EXISTING 4" SDR-35 STORM DRAIN LINE TO EXISTING PIPE. CONTRACTOR TO VERIFY EXISTING ELEVATION IN FIELD.
2. CONSTRUCT SEWER CLEAN OUT IN ACCORDANCE WITH THE CITY OF ENCINITAS MUNICIPAL CODE OR APPROVED EQUAL.
3. CONSTRUCT 2" PVC WATER LINE.
4. CONSTRUCT 3" PVC WATER LINE.
5. CONSTRUCT 4" SDR-35 SEWER LINE. CONTRACTOR TO VERIFY ELEVATION IN FIELD.
6. CONSTRUCT THRUST BLOCK PER DETAIL HEREON.
7. CONSTRUCT STORM DRAIN CLEANOUT.
8. CONSTRUCT 4" SDR-35 STORM DRAIN PIPE.
9. CONNECT EXISTING 4" SDR-35 SEWER LINE TO EXISTING PIPE. CONTRACTOR TO VERIFY ELEVATION IN FIELD.
10. CONSTRUCT 6" SDR-35 STORM DRAIN LINE.

N

10 5 0 10 20
scale 1"= 10' feet

tBP
architecture
planning
interiors
management

LICENSED ARCHITECT ○ CALIFORNIA ○ REG. NO. C23331 ○ STATE OF CALIFORNIA

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

Hall & Foreman, Inc.
Engineering-Surveying-Planning-Landscape Architecture
CA LICENSE, SUITE NO. · AVAIL. CA 92602 · 714-665-1000

Prepared under the supervision of:
Gerald Hofmaister, PE
RCE 20187
Expires 9/30/07

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471

DEMPCATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL#4-107979
AC. PLS SS
DATE

San Elijo Student Center
MiraCosta College

MiraCosta College – San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

tBP project number : 06284
file name:
drawn by: checked by:
date:03/03/06

drawing title: building no.:
UTILITY PLAN
Bulletin #2
drawing no.:
RR-C3
drawing of

Drawing Name: S:\06284\Dwg\Final Plots\Precise Grading\GR_06284R1.dwg
Last Opened: Dec 19, 2006 – 3:30pm by: ETorrey

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

San Elijo Student Center
MiraCosta College

MiraCosta College – San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

tBP project number : 0620

file name:

drawn by: checked by:

date:03/06/06

11/9/06 ADDENDUM No.4

drawing title: building no.:

UTILITY PLAN

drawing no.: R R-C3

drawing of

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architecture
planning
interiors
management

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471

Hall & Foreman, Inc.
Engineering-Surveying-Planning-Landscape Architecture
CERTIFICATE NO. 18618 REN. 6-30-08

Prepared under the supervision of:

Gerald Hofmeister, PE
RCE 20187
Expires 9/30/07

SCALE: 1" = 10'

CONSTRUCTION NOTES:

1. CONNECT 4" SDR-35 SEWER LINE TO EXISTING PIPE. CONTRACTOR TO VERIFY ELEVATION IN FIELD.
2. CONSTRUCT SEWER CLEAN OUT IN ACCORDANCE WITH THE CITY OF ENCINITAS MUNICIPAL CODE OR APPROVED EQUAL.
3. CONSTRUCT 2" HOT TAP VALVE ASSEMBLY IN ACCORDANCE WITH THE CITY OF ENCINITAS MUNICIPAL CODE OR APPROVED EQUAL.
4. CONSTRUCT 3" PVC WATERLINE. CONTRACTOR TO VERIFY ELEVATION IN FIELD.
5. CONSTRUCT 4" SDR-35 SEWER LINE. CONTRACTOR TO VERIFY ELEVATION IN FIELD.
6. CONSTRUCT THRUST BLOCK PER DETAIL HEREON
7. CONSTRUCT STORM DRAIN CLEANOUT
8. CONSTRUCT 4" SDR-35 STORM DRAIN PIPE

NOTES FOR THRUST BLOCK RESTRAINTS
PLACE THE FOLLOWING NOTES, VERBATIM, ON THE PLANS:

CONDITION I | CONDITION II | CONDITION III

CONDITION IV | CONDITION V | CONDITION VI

CONDITION VI | CONDITION VII

THRUST BLOCK BEARING AREA IN SQUARE FEET

Pipe Size	CONDITION I	II	III	IV	V	VI	VII	VIII
<6"	2.0	2.9	2.0	2@2.0	2@3.0	4@1.6	2.0	2@1.6
8"	4.3	4.0	4.3	2@4.2	2@6.3	4@3.2	4.3	2@3.2
8"	7.4	10.6	7.4	2@7.4	2@11.2	4@5.7	7.4	2@5.7
10"	12.1	17.1	12.1	2@12.1	2@18.2	4@9.3	12.1	2@9.3
12"	17.2	24.1	17.2	2@17.2	2@25.8	4@13.2	17.2	2@13.2

NOTES
1. Thrust block areas based on 225 PSI and 2,000 PSF soil pressure with 2 ½ feet of cover minimum.
2. Thrust block bearing faces shall be placed against undisturbed soil, approved compacted backfill, or Class 1000-E-100 concrete.
3. Thrust blocks shall be Class 560-C-3250 concrete, unless specified otherwise.
4. To facilitate future removal of thrust blocks and line extension use cardboard separators between blocks, if needed.

6 THRUST BLOCK DETAIL
NTS



EROSION CONTROL NOTES:

1— CONSTRUCT 1 ROW OF SANDBAGS, 3 BAGS HIGH ALONG PERIMETER AT TOP OF SLOPES, LOT LINE AND RIGHT-OF-WAY, PER CASQA STD SE-8, ALL SANDBAGS MUST BE PLACED WITHIN CONSTRUCTION FENCE.

2— CONSTRUCT 10'X15' CONCRETE WASTE AREA, PER CASQA WM-8

3— CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE PER DETAIL ABOVE FINAL LOCATION TO BE DETERMINED BY SITE SUPERINTENDENT, AND APPROVED BY PROJECT INSPECTOR.

③ STABILIZED CONSTRUCTION ENTRANCE

PER CASQA STD SE-8

Stabilized Construction Entrance/Exit TC-1

Objectives:

EC	Erosion Control
SE	Sediment Control
TC	Tracking Control
WE	Wind Erosion Control
NS	Non-Stormwater Management Control
WM	Waste/Material Pollution Control

Legend:
✓ Primary Objective
✓ Secondary Objective

Targeted Constituents:

Sediment	✓
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives:
None

Description and Purpose
A stabilized construction access is defined by a point of construction ingress or egress that is stabilized to reduce the tracking of mud and dirt onto public streets by construction vehicles.

Suitable Applications
Use at construction sites:

- Where dirt or mud can be tracked onto public roads.
- Adjacent to water bodies.
- Where poor soils are encountered.
- Where there is a problem during dry weather conditions.
- Where dust is a problem during dry weather conditions.

Limitations
- Entrance and exits require periodic top dressing with additional stone.
- This BMP should be used in conjunction with street sweeping on adjacent public right-of-way.
- Entrances and exits should be constructed on level ground only.
- Stabilized construction entrances are rather expensive to construct and when a wash rack is included, a sediment trap or some kind must also be provided to collect wash water runoff.

CASQA Stormwater Quality Handbooks New Development and Redevelopment

Stabilized Construction Entrance/Exit TC-1

- Install geotextile underlayment per manufacturer's instructions over entire length and width of area to be covered by stone. Overlap edges of geotextile a minimum of 12 inches.
- Place stone to dimensions, grades and locations shown on the plans. Leave surface smooth and slope for proper drainage.
- Maintain gate at right-of-way to prevent tracking or flowing of material onto public right-of-way.
- Top dress with new stone as needed.
- Repair and clean out any measures used to trap sediment.
- Remove all sediment deposited on paved roadway within 24 hours.
- Remove stone and dispose of properly.

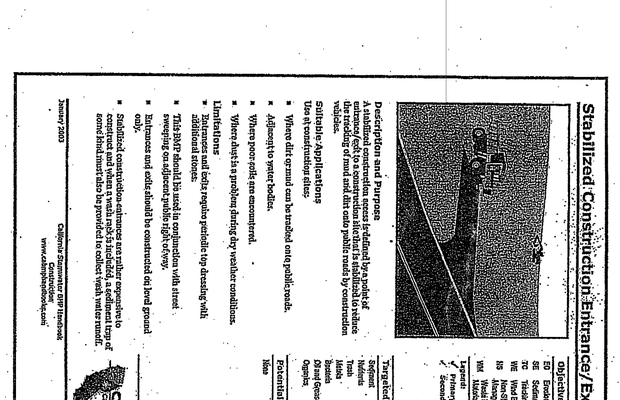
Costs
Average annual cost for installation and maintenance over lifetime of project is $1,500 each, excluding stone procurement. Costs will increase with additional dewatering needs and sediment traps. Typical lifetime is 6 months. Cost range is $1,000 - $3,000 per entrance/exit.

References
California Department of Transportation (Caltrans). Construction Site Best Management Practices (BMPs) Manual. March 2003.

California Stormwater Quality Association. Stormwater Best Management Practice Handbook for New Development and Redevelopment. January 2003.

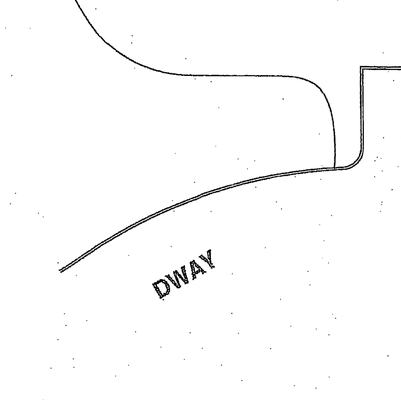
Proposed Conditions of Approval for Grading Permits Regulating Pollutants in Stormwater Runoff from Construction Activities. San Diego Regional Water Quality Control Board, January 24, 2001.

Stabilized Construction Entrance/Exit TC-1



① SANDBAG BARRIER

PER CASQA STD SE-8



LEGEND
—— DIRECTION OF FLOW

NOTES
1. Construct the length of each reach so that the change in direction along the cross does not exceed 1/2 the length of the reach. Maximum reach length is 500'.
2. Place sandbags tightly.
3. Dimensions shown are to field conditions.
4. Sandbag barrier shall be a minimum of 3 bags high.
5. The end of the barrier shall be a minimum of 2x the height of the basic barrier.
6. Cross barriers shall be a min. of 1/2 the height of the basic barrier.
7. Sandbag dams shall taper inward to sandbag barrier.

Stabilized Construction Entrance/Exit TC-1

- Implement only where ingress and egress construction is necessary.
- Limit construction access routes and stabilize designated access points.
- Designate personnel to direct truck traffic to utilize stabilized exits.
- Provide adequate quantities of stone at site.
- Install stone pad at exits and entrances of sufficient dimensions to accommodate vehicle and equipment turning movements.
- Install perimeter fencing as necessary to control site access.
- Inspect stabilized construction entrance/exit pad(s) and associated fencing weekly, before and after storm events, and at frequent intervals during extended storm events. Inspect for mud and sediment tracking onto adjacent streets, and for damage to the pad and fencing. Repair and maintain as needed to ensure continued performance of intended function.
- Inspect haul roads for erosion and sediment control needs. Implement BMPs as needed to prevent erosion and sediment transport from the site.
- Remove all sediment deposited on paved roadway within 24 hours.
- Remove stone and dispose of properly.
- Remove temporary controls at the completion of construction.

Costs
Average annual cost for installation and maintenance over lifetime of project is $1,500 each, excluding stone procurement. Costs will increase with additional dewatering needs and sediment traps. Typical lifetime is 6 months. Cost range is $1,000 - $3,000 per entrance/exit.

References
California Department of Transportation (Caltrans). Construction Site Best Management Practices (BMPs) Manual. March 2003.

California Stormwater Quality Association. Stormwater Best Management Practice Handbook for New Development and Redevelopment. January 2003.

Proposed Conditions of Approval for Grading Permits Regulating Pollutants in Stormwater Runoff from Construction Activities. San Diego Regional Water Quality Control Board, January 24, 2001.

San Elijo Student Center
MiraCosta College

MiraCosta College – San Alijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL#4-107979
AC. FLS SS
DATE

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471

Hall & Foreman, Inc.
Engineering • Surveying • Planning • Landscape Architecture
420 EXCHANGE, SUITE 100 • IRVINE, CA 92602 • 714-655-4500

Prepared under the supervision of:
Gerald Hofmaister, PE
RCE 20187
Expires 9/30/07
10/27/06

REGISTERED PROFESSIONAL ENGINEER GERALD LEO HOFMAISTER No. 20187 Exp. 9-30- CIVIL STATE OF CALIFORNIA

LICENSED ARCHITECT JOHN W. NEWMARK REG. NO. 009225 REN. 8-31-08 STATE OF CALIFORNIA

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

tBP
architecture
planning
interiors
management

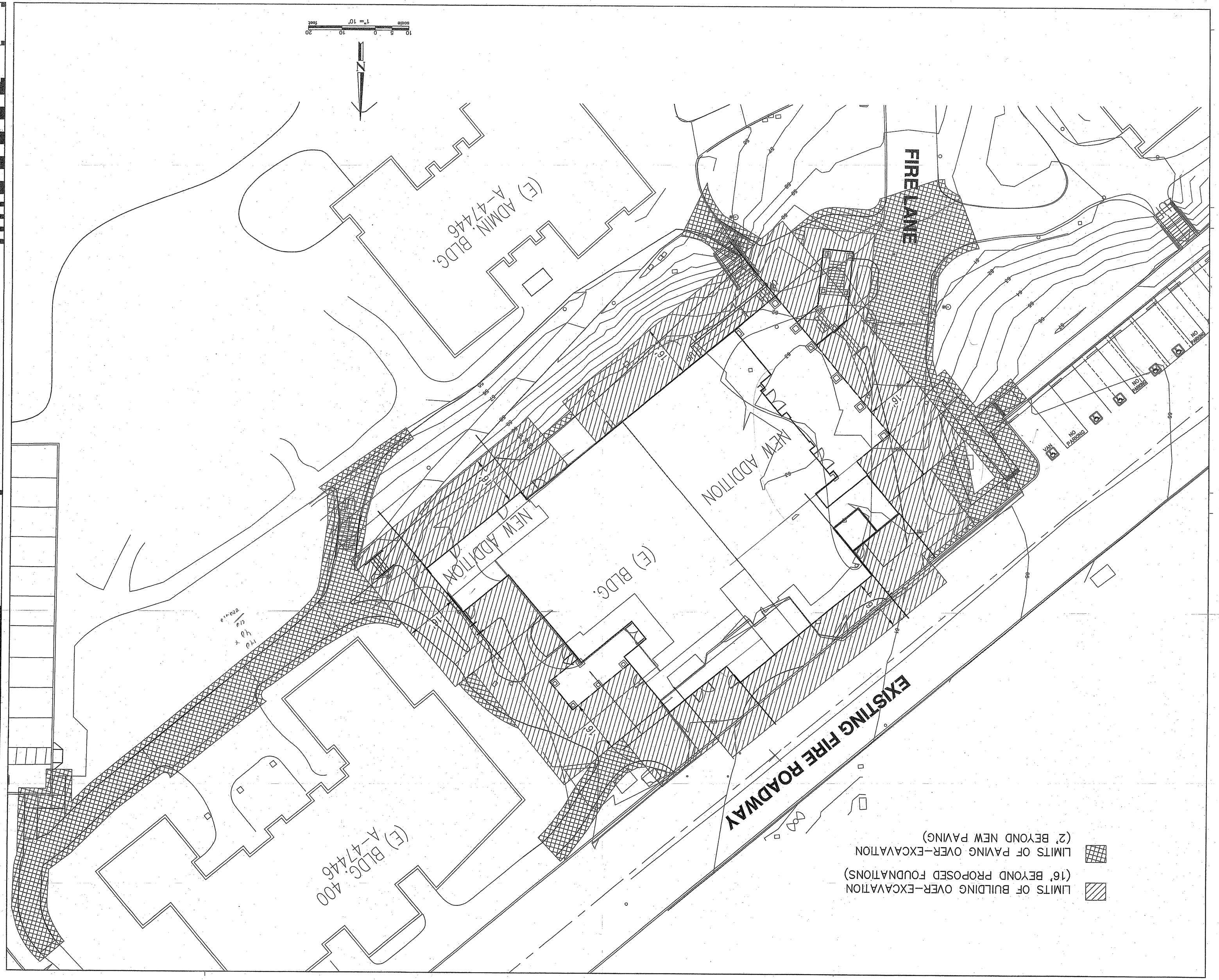
tBP project number : 06284
file name:
drawn by: checked by:
date:03/03/06
10/25/06 ADDENDUM No.1

drawing title: building no.:
EROSION CONTROL PLAN
drawing no.:
R-C4
drawing 13 of 109

Drawing Name: S:\06284\Eng\Final Plots\Precise Grading\03_06284e.dwg
Last Opened: Oct 27, 2006 – 1:44pm by: YAbdelmalek

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



San Elijo Student Center
MiraCosta College

MiraCosta College – San Alijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

tBP project number : 06284

file name:

drawn by: checked by:

date:3/8/06

10/25/06 ADDENDUM No1

drawing title: building no.:

OVER-EX PLAN

drawing no.: **R-OX**

drawing 14 of 104

Hall & Foreman, Inc.
Engineering-Surveying-Planning-Landscape Architecture
619.299.9002 • 619.299.9008 • 7961 Silverton Avenue, Suite 109, San Diego, CA 92126

Prepared under the supervision of:

Gerald Hofmeister, RCE 20187
Expires 9/30/07

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

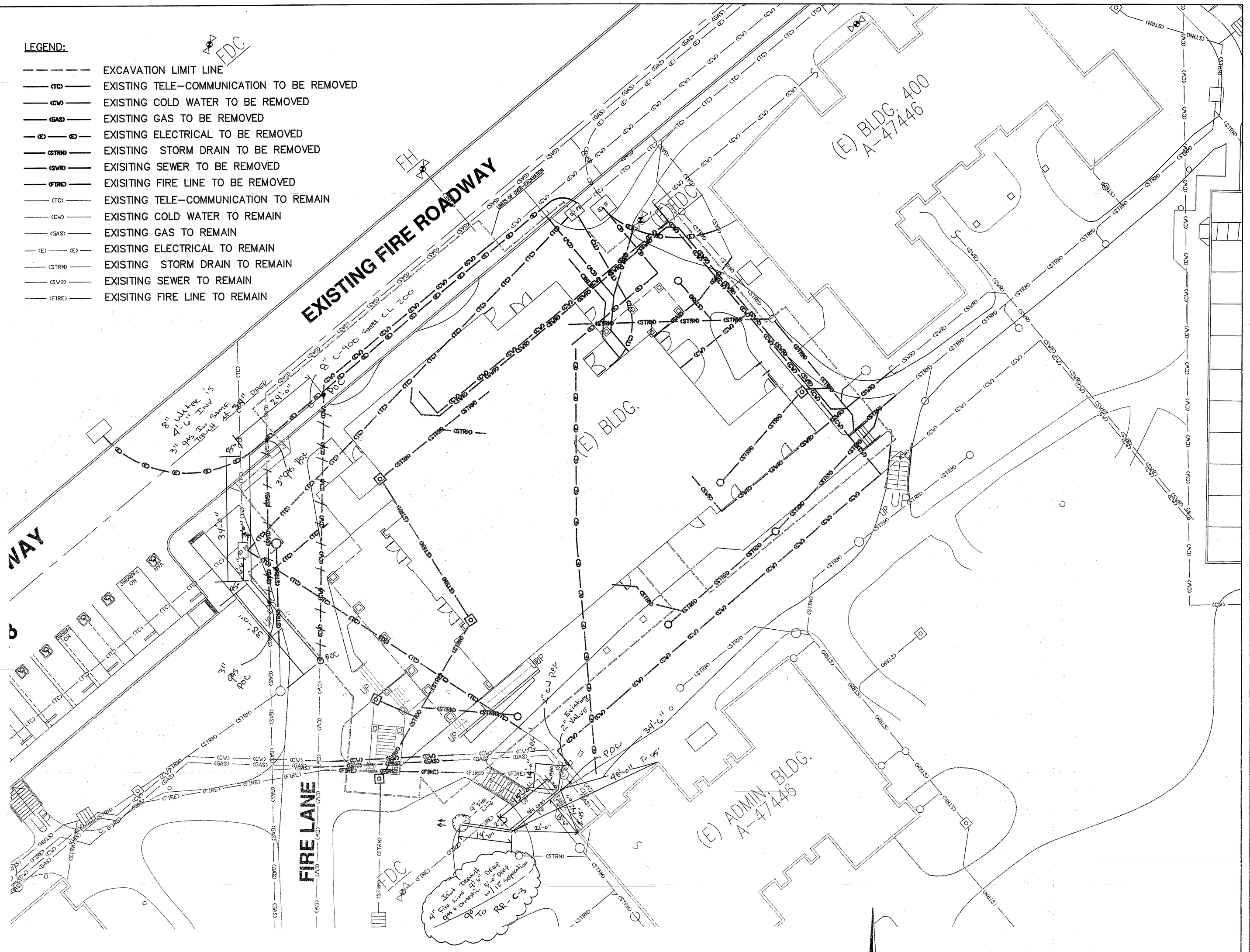
architecture
planning
Interiors
management

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471

DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL.#-107979
AC.
DATE RS. SS

LEGEND:

- EXCAVATION LIMIT LINE
- (TC) EXISTING TELE–COMMUNICATION TO BE REMOVED
- (CW) EXISTING COLD WATER TO BE REMOVED
- (GAS) EXISTING GAS TO BE REMOVED
- (E) EXISTING ELECTRICAL TO BE REMOVED
- (STRM) EXISTING STORM DRAIN TO BE REMOVED
- (SWR) EXISITING SEWER TO BE REMOVED
- (FIRE) EXISITING FIRE LINE TO BE REMOVED
- (TC) EXISTING TELE–COMMUNICATION TO REMAIN
- (CW) EXISTING COLD WATER TO REMAIN
- (GAS) EXISTING GAS TO REMAIN
- (E) EXISTING ELECTRICAL TO REMAIN
- (STRM) EXISTING STORM DRAIN TO REMAIN
- (SWR) EXISITING SEWER TO REMAIN
- (FIRE) EXISITING FIRE LINE TO REMAIN



NOTE:

ALL EXISTING UTILITIES LOCATED WITHIN THE EXCAVATION AREA SHALL BE REMOVED UNLESS OTHERWISE NOTED HERE ON. REFER TO OTHER PLANS FOR CONSTRUCTION OF NEW AND/OR RELOCATED UTILITY LINES.

AS-BUILT
Remove/Relocate for Allen-Gf

tBP architecture planning interiors management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

Hall & Foreman, Inc.
Engineering-Surveying-Planning-Landscape Architecture
Prepared under the supervision of:
Gerald Hofmalaier, PE
RCE 20187
Expires 9/30/07

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471

EXEMPT FROM STAMP REQUIREMENT BY OFFICE OF REGULATION SERVICES
APPL.#4-107979
AC. RS SS
DATE

San Elijo Student Center
MiraCosta College

MiraCosta College – San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

tBP project number : 66624
file name:
drawn by: checked by:
date:03/03/06

10/25/06 ADDENDUM No1

11/13/06 ADDENDUM No 4

drawing title: building no.:
UTILITY DEMOLITION PLAN

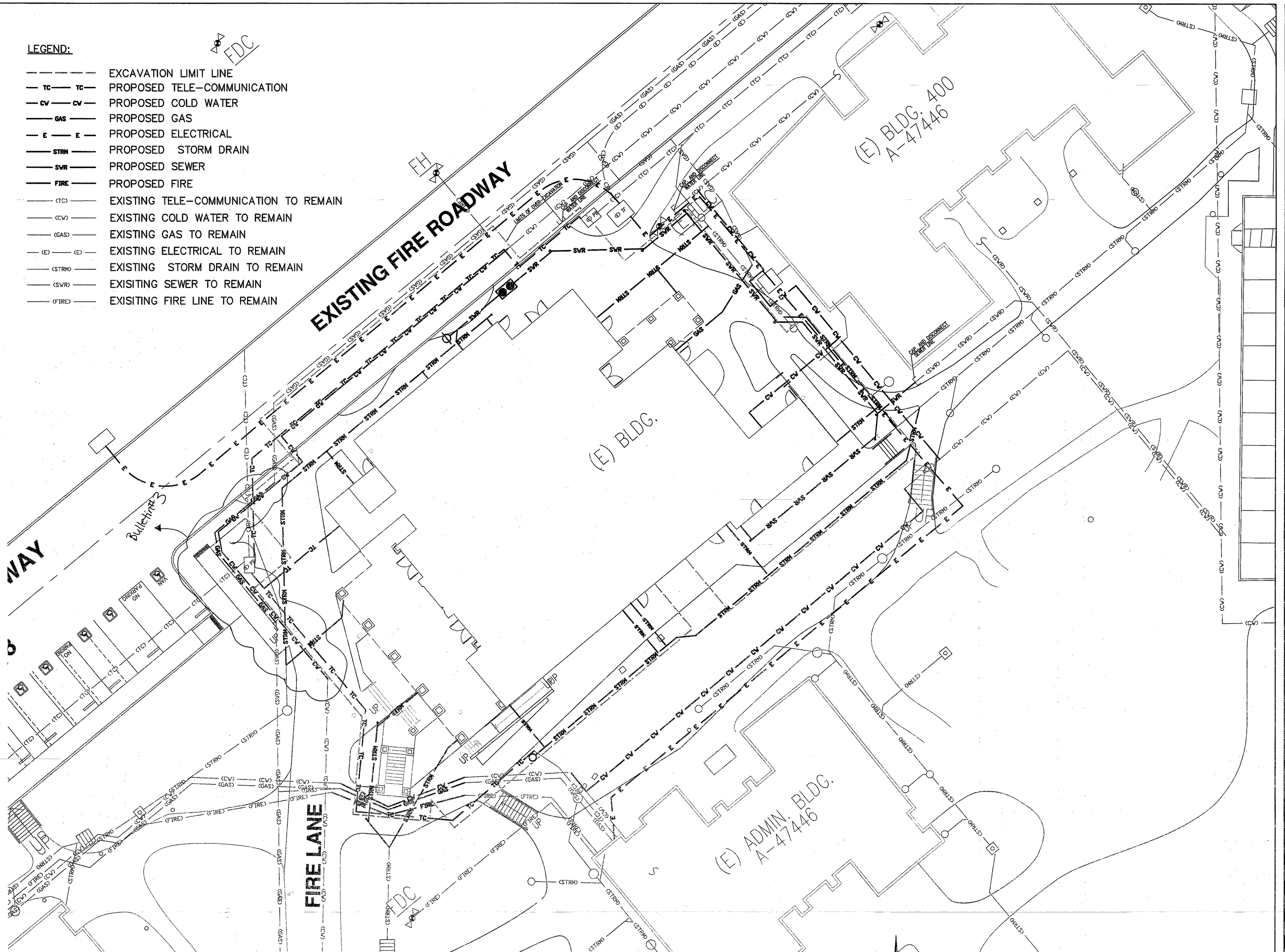
drawing no.:
U.D.
drawing of

Drawing Name: S:\06624\Proj Shts\Arch\Utility\U.D.dwg
Last Opened: Nov 10, 2006 - 9:10am by: KPeim

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

LEGEND:

- EXCAVATION LIMIT LINE
- PROPOSED TELE-COMMUNICATION
- PROPOSED COLD WATER
- PROPOSED GAS
- PROPOSED ELECTRICAL
- PROPOSED STORM DRAIN
- PROPOSED SEWER
- PROPOSED FIRE
- EXISTING TELE-COMMUNICATION TO REMAIN
- EXISTING COLD WATER TO REMAIN
- EXISTING GAS TO REMAIN
- EXISTING ELECTRICAL TO REMAIN
- EXISTING STORM DRAIN TO REMAIN
- EXISIITING SEWER TO REMAIN
- EXISIITING FIRE LINE TO REMAIN



NOTE:
EXISTING UTILITIES SHOWN FROM AS-BUILTS.
CONTRACTOR TO VERIFY EXACT LOCATION.

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

Hall & Foreman, Inc.
Engineering-Surveying-Planning-Landscape Architecture
Kay Avenue, Suite 100 · Irvine, CA 92618 · 714-380-3300

Prepared under the supervision of:
Gerald Hofmalster, PE
RCE 20187
Expires 9/30/07

REGISTRATION STAMP
BY ORDER OF THE BOARD
OFFICE OF REGULATION SERVICES
APPL.#4-107978
AC. ____ RS ____ SS ____
DATE ____

Division of the state architect
16660 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471

San Elijo Student Center
MiraCosta College

MiraCosta College – San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

tBP project number : 06284
file name:
drawn by: checked by:
date:03/03/06

10/25/06 ADDENDUM No1

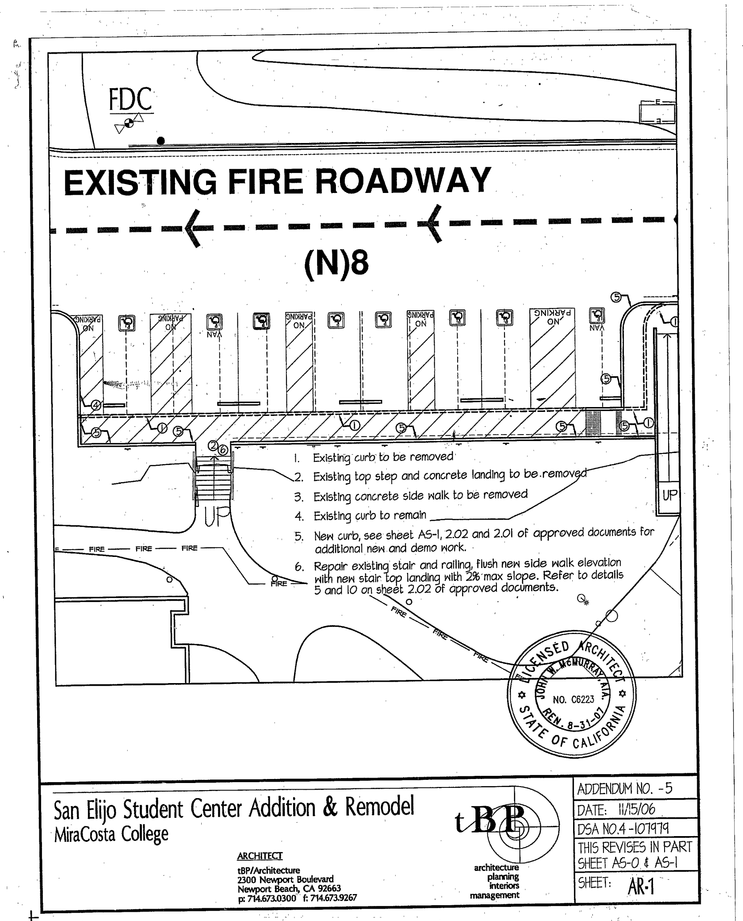
11/15/06 ADDENDUM No. 4

drawing title: building no.:
UTILITY RELOCATION PLAN

drawing no.:
R R-UR
drawing of

Drawing Name: S:\06284\Work\Final Work\UR\R-UR.dwg
Last Opened: Nov 03, 2006 - 5:13pm by: Afham

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



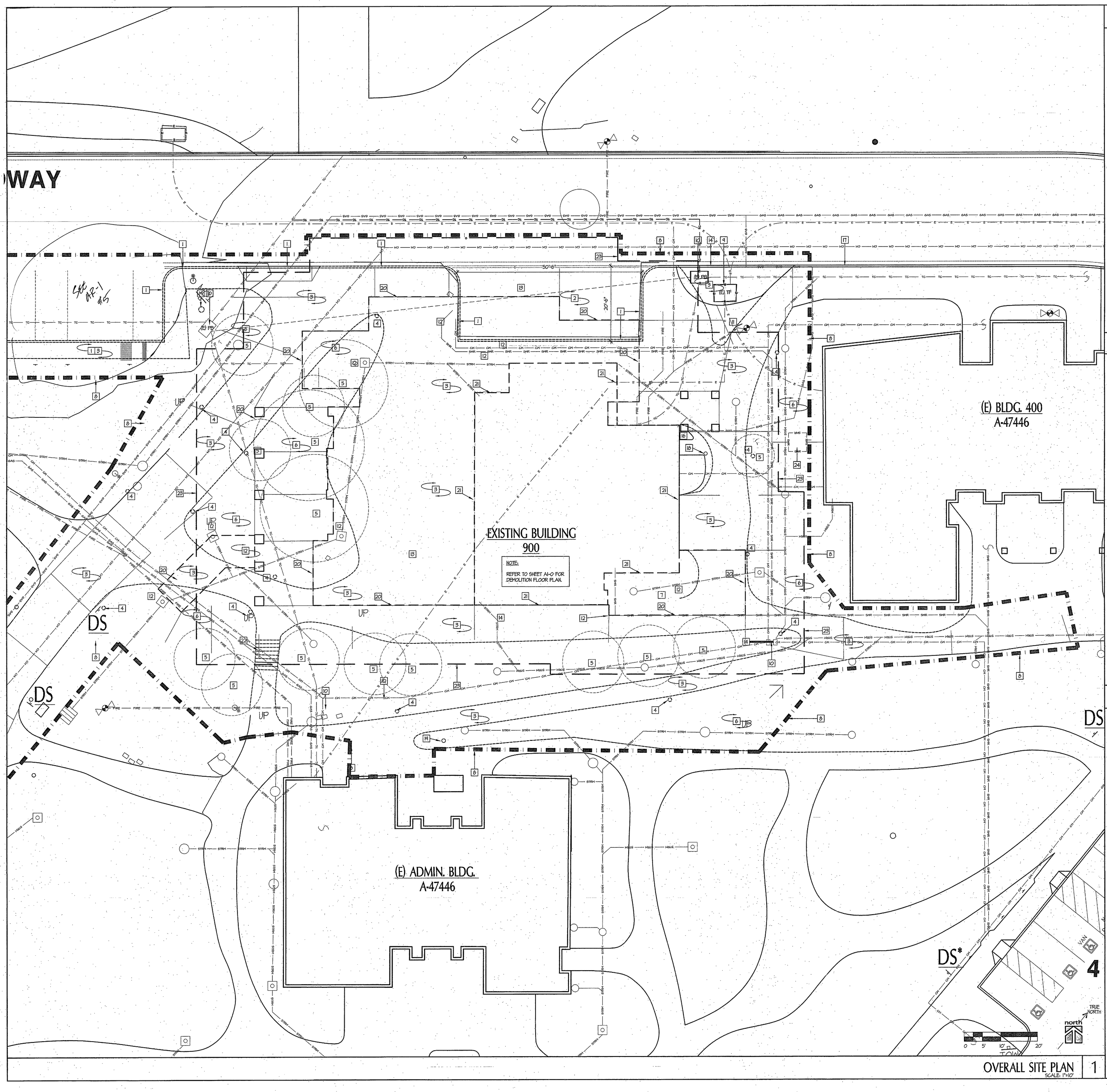
San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 714.673.0300 f: 714.673.9267

tBP
architecture
planning
interiors
management

ADDENDUM NO. -5
DATE: 11/15/06
DSA NO:4-107874
THIS REVISES IN PART
SHEET AS-0 & AS-1
SHEET: AR-1

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



OVERALL SITE PLAN | 1

LEGEND

- ASSUMED PROPERTY LINE
- FH — FIRE HYDRANT
- FDC DOI — FIRE DEPT. CONNECTION
- E E E E E — UTILITY-ELECTRIC
- TC TC TC TC TC — UTILITY-TELECOM
- GAS GAS GAS GAS GAS — UTILITY-GAS
- CH CH CH CH CH — UTILITY-WATER
- STRM STRM STRM STRM — UTILITY-STORM DRAIN
- SWR SWR SWR SWR SWR — UTILITY-SEWER
- CONCRETE PAVING — 4" THICK CONC. PAVING W/ #4 BARS @ 18" O.C. EA. WAY MEDIUM BROOM FINISH, U.N.O.
- AREA OF NEW CONSTRUCTION
- AREA OF EXISTING BUILDING
- INDICATES LIMIT OF SITE WORK
- INDICATES OVER EXCAVATION LINE

GENERAL DEMOLITION NOTES

1. UNLESS NOTED OTHERWISE, IT IS THE INTENT OF THIS DEMOLITION PLAN TO INDICATE ALL SURFACE FEATURES AND UNDERGROUND FACILITIES ARE TO BE REMOVED INSIDE THE LIMIT LINE OF CONSTRUCTION. IT IS CONTRACTORS RESPONSIBILITY TO POTHOLE ALL UNDERGROUND UTILITIES CROSSING DEMOLITION AREA. CONTRACTOR WILL VERIFY SIZE, MATERIAL, AND ADEQUACY OF ALL EXISTING UTILITIES AND REPORT DISCREPANCIES TO ARCHITECT AND ENGINEER OF WORK.

2. WHERE DEMOLITION OR REMOVAL WORK OCCURS, TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ELEMENTS TO REMAIN. FINISHED WORK DAMAGED BY OPERATIONS UNDER DEMOLITION CONTRACT SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF OWNER AND ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

3. ALL IRRIGATION AND UTILITY LINES TO BE REMOVED SHALL BE CAPPED OUTSIDE THE CONSTRUCTION AREA FOR FUTURE RE-CONNECTION. COORDINATE WITH SHEET L-1.1.

4. UTILITY SERVICES TO EXISTING BUILDINGS MAY BE DISCONTINUED DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OTHER FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO THE GOVERNING AUTHORITIES.

5. SUBSURFACE CONDITIONS FOUND DIFFERENT: SHOULD THE CONTRACTOR ENCOUNTER SUBSURFACE AND/OR LATENT CONDITIONS AT THE SITE MATERIALLY DIFFERING FROM THOSE SHOWN ON THE PLANS OR INDICATED IN THE SPECIFICATIONS, HE SHALL GIVE NOTICE IN WRITING TO THE ARCHITECT OF SUCH CONDITIONS BEFORE THEY ARE DISTURBED.

6. DISPOSITION OF MATERIALS: PROMPTLY REMOVE FROM THE SITE ALL MATERIALS RESULTING FROM DEMOLITION WHICH ARE NOT TO BE REUSED. ITEMS TO BE REUSED SHALL BE STORED IN A PROTECTED LOCATION UNTIL REINSTALLATION BY OTHERS.

7. NOTIFY AND SECURE APPROVAL FROM CONSTRUCTION MANAGER PRIOR TO REMOVING ANY TREE THAT IS NOT SHOWN AS TO BE DEMOLISHED ON THE DOCUMENTS.

8. COORDINATE REMOVAL OF ALL ELECTRICAL FIXTURES, CONDUIT, AND JUNCTION BOXES WITH ELECTRICAL CONTRACTOR.

9. COORDINATE REMOVAL OF ALL PLUMBING AND IRRIGATION SYSTEM UNITS, CONTROLERS AND VALVES, ACCESS BOX, ETC., WITH THE PROJECT ENGINEERS. SEE ADDITIONAL INFORMATION ON ELECTRICAL SITE PLAN SHEET E0-1. COORDINATE DEMOLITION WITH TEMPORARY IRRIGATION AND SHEET L1.1

10. SEE CIVIL SHEETS C3 AND C9 FOR ADDITIONAL DEMOLITION WORK.

11. ALL DEMOLITION SHALL BE PER ARTICLE 87 C.F.C. AND CHAPTER 34 C.B.C.

12. REFER TO SPECIFICATIONS SECTION 02221 FOR DEMOLITION AND NOTES REGARDING PROTECTION OF TREES DURING CONSTRUCTION.

13. REFER TO CIVIL PLANS C-1 THRU C-3 FOR ADDITIONAL DEMO. WORK AND COORDINATION FOR TERMINATION POINTS OF WET & DRY UTILITIES.

14. COORDINATE TEMPORARYAND TO REMAIN UTILITY LINES.

15. ALL DEMOLITION SHALL COMPLY WITH CH 34 OF THE CBC AND ARTICLE 87 CFC.

DEMOLITION KEY NOTES

1. EXISTING CURB TO BE REMOVED
2. EXISTING A.C. PAVING TO BE REMOVED
3. EXISTING CONCRETE PAVING TO BE REMOVED
4. EXISTING SITE LIGHTING TO BE REMOVED
5. EXISTING TREES & STUMPS TO BE REMOVED
6. EXISTING LANDSCAPE AREA TO BE REMOVED
7. EXISTING AUTOMATIC TELLER MACHINE TO BE RELOCATED BY OWNER
8. LIMIT OF SITE WORK
9. EXISTING TRANSFORMER TO REMAIN
10. EXISTING PULL BOX TO REMAIN
11. EXISTING FDC TO REMAIN
12. EXISTING WET UTILITIES TO BE RE-ROUTED PER CIVIL PLAN C-3
13. EXISTING DRY UTILITIES TO BE RE-ROUTED PER ELECTRICAL PLANS
14. EXISTING STORM DRAIN CONNECTION TO REMAIN
15. REMOVE DIRECTORY DURING CONSTRUCTION AND INSTALL PER COLLEGE DIRECTION
16. EXISTING GAS REGULATORE AND GAS LINE TO REMAIN (PROTECT DURING CONSTRUCTION)
17. EXISTING CURB TO REMAIN
18. DIRECTORY TO BE REMOVED AND RETURNED BACK TO COLLEGE COORDINATION W/ CM.
19. SITE LIGHT TO REMAIN
20. LINE OF FUTURE EXPANDED BUILDING PAD
21. LINE OF EXISTING BUILDING PAD
22. EXISTING STAIRS TO BE REMOVED
23. OVER EXCAVATION LINE. ANY EXISTING UTILITY LINES WITHIN OVER-EX ZONE TO BE RE-ROUTED BEYOND OVER-EX ZONE.
24. EXISTING ACID NEUTRALIZER TANK TO REMAIN

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.3000 fx: 949.673.9267

architect

DSA APPROVED
BUILDING PLANS
STATE OF CALIFORNIA

DSA CERTIFICATION STAMP
OFFICE OF REGULATION SERVICES
04-110979
AC — RS — DL
DATE SEP 29 2006

Division of the State Architect
1680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

consultant

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

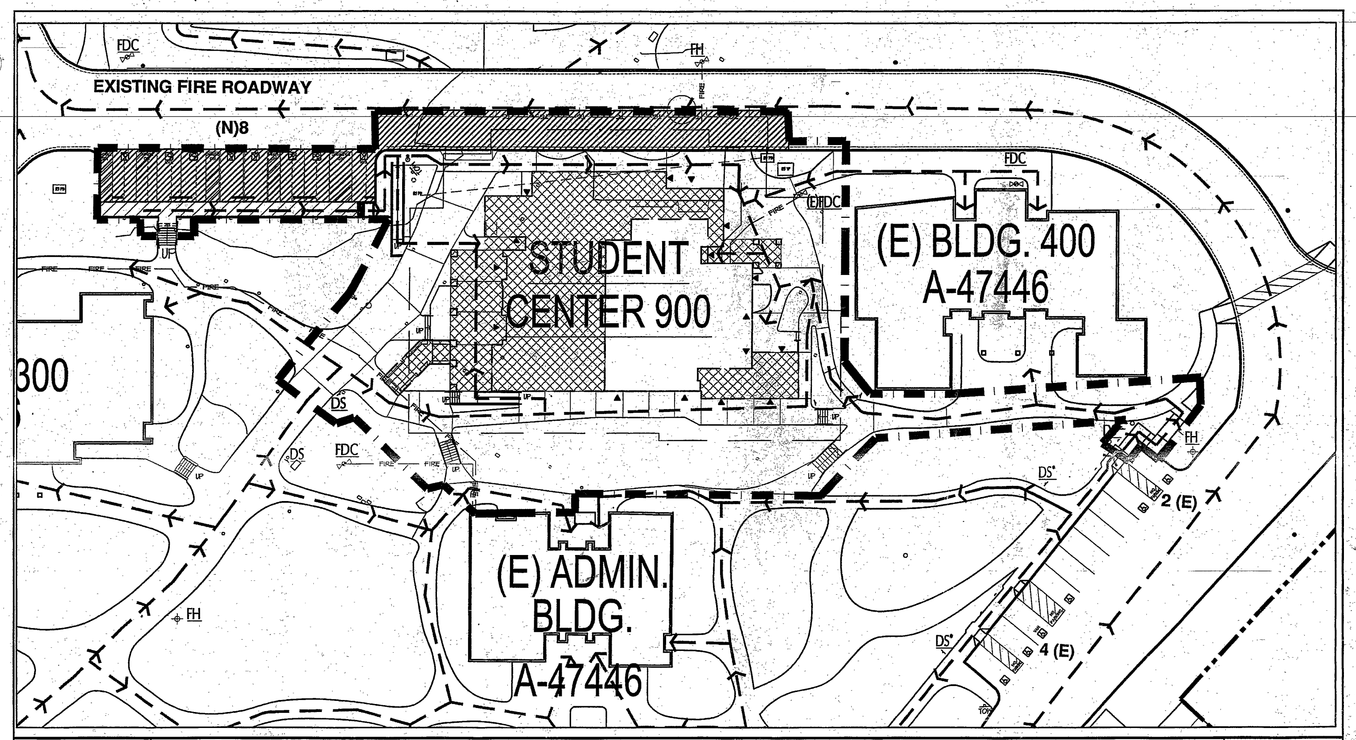
tBP project number : 2048.10
file name: OAS-00.dwg
drawn by: CG checked by:
date: 04/18/06

Rev:	date:	description:

drawing title: DEMOLITION SITE PLAN
building no.:

drawing no.: AS-0
drawing 16 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



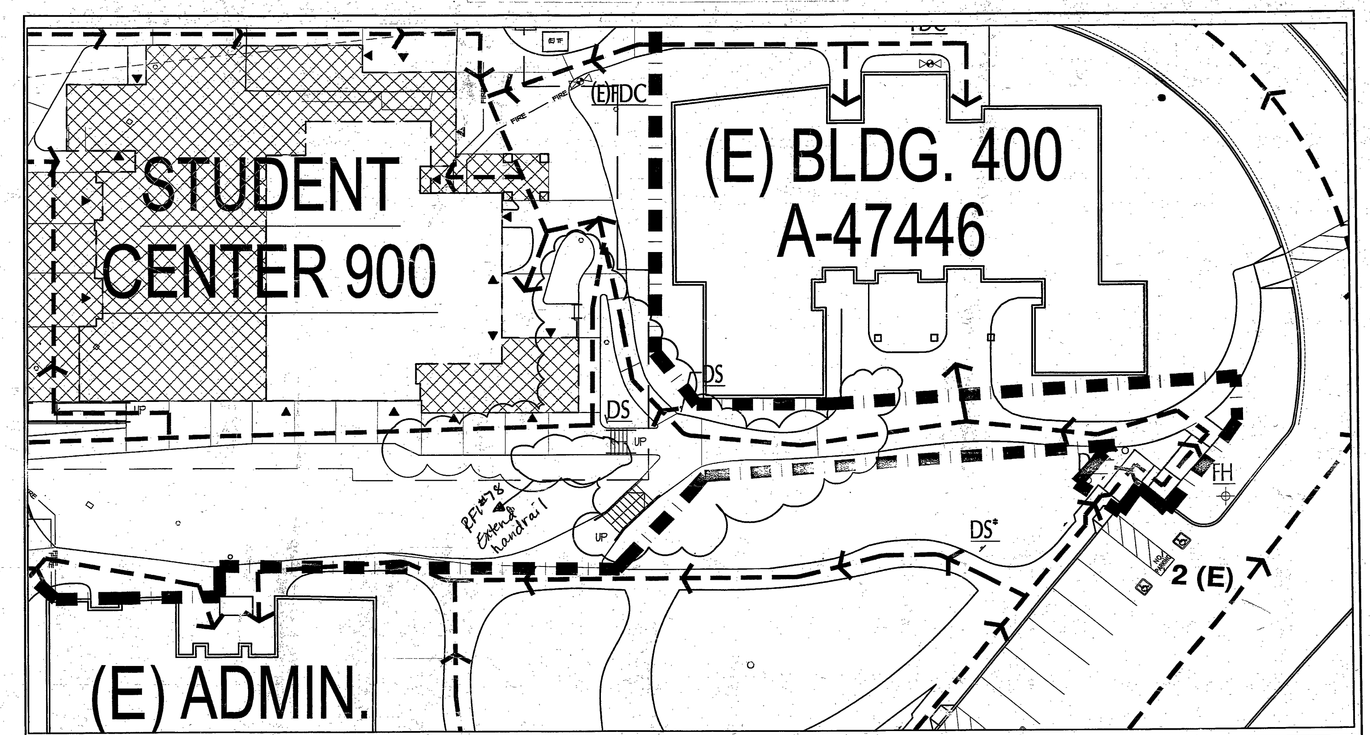
LICENSED ARCHITECT
NO. C8223
STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

tBP architecture planning interiors management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4	107419
THIS REVISES IN PART	
SHEET A5-1	
SHEET:	AR-1



LICENSED ARCHITECT
NO. C8223
STATE OF CALIFORNIA

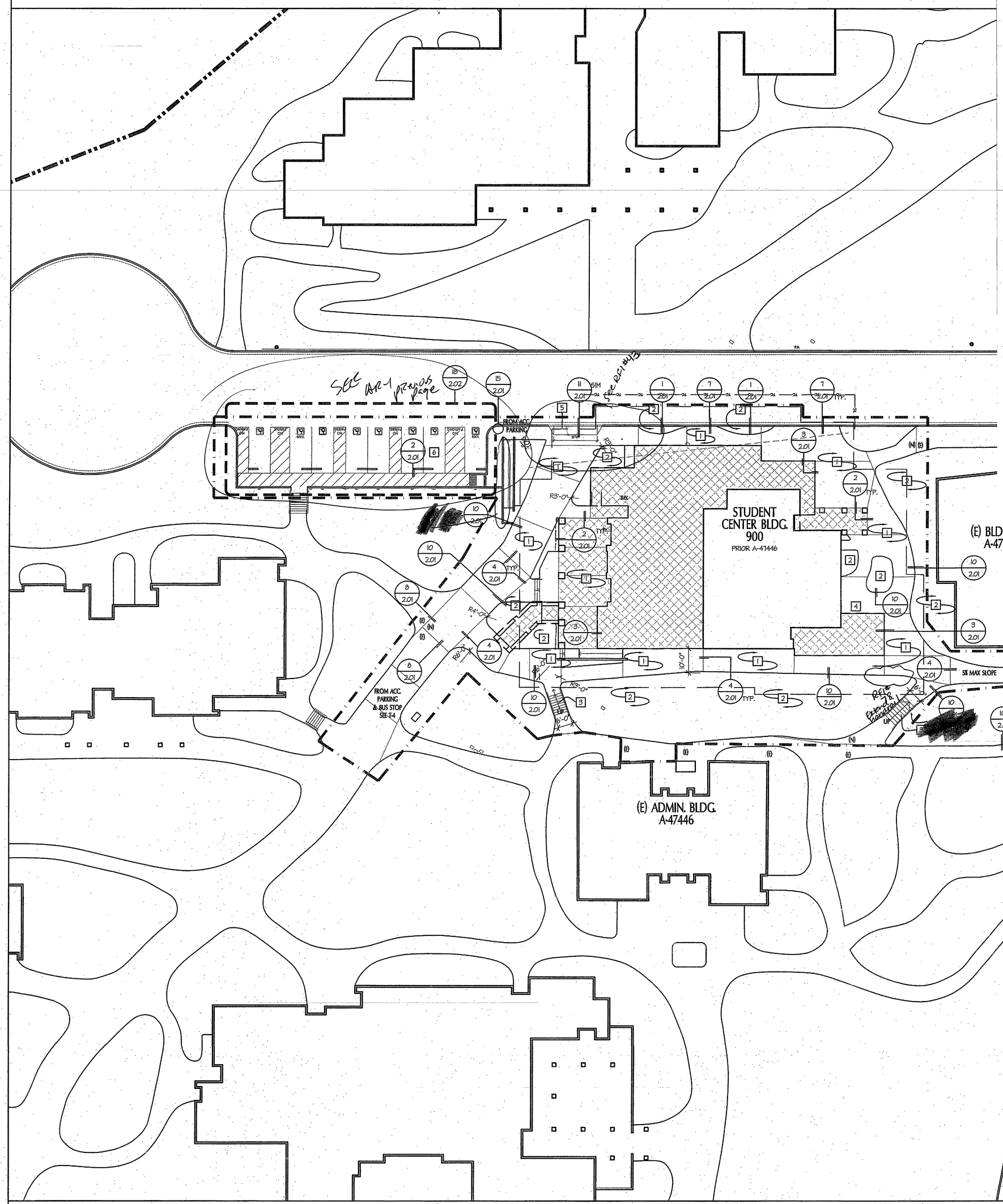
San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

tBP architecture planning interiors management

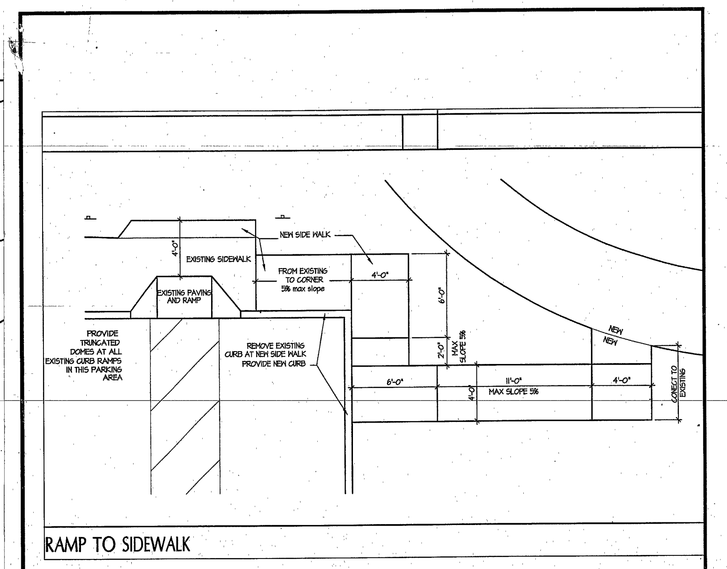
ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4	107419
THIS REVISES IN PART	
SHEET A5-1	
SHEET:	AR-2

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFEERENCE DOCUMENTS ONLY.



SITE PLAN
SCALE: 1"=20'

1



RAMP TO SIDEWALK

LICENSED ARCHITECT JOHN M. MEMBRADO NO. C6223 REN. 8-31-07 STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph 714.673.0300 f: 714.673.9267

tBP architecture planning interiors management

ADDENDUM NO. .5
DATE: 11/15/06
DSA NO.4 .107179
THIS REVISES IN PART SHEET: 2.02
SHEET: AR-3

GENERAL NOTES

LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.

LEGEND

PIV	POST INDICATOR VALVE
- - - - -	HOSE - 150' MAX. LENGTH
FH	FIRE HYDRANT
FDC	FIRE DEPT CONNECTION
●	NO PARKING SIGN
▲	ACCESSIBLE ENTRY/EXIT (SEE CONST. NOTE 8)
(E)	EXISTING
(N)	NEW
- - - - -	RED CURB
	ACCESSIBLE PATH OF TRAVEL.
	INDICATES LIMIT OF SITE WORK FOR THIS PROJECT ALL BUILDINGS ARE FIRE SPRINKLED
	INDICATES ACCESSIBLE PARKING SPACES
	PAVING PER FIRE NOTE #1
	CONCRETE PAVING 4" THICK CONC. PAVING W/ #4 BARS @ 18" O.C. EA. WAY MEDIUM BROOM FINISH, U.N.O.

CONSTRUCTION NOTES

1. VERIFY ALL EXISTING & FINISH GRADES, DIMENSIONS & SITE CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. 2001 CA.

2. ALL GRADING WORK SHALL CONFORM TO APPLICABLE PROVISIONS OF THE ~~UNIFORM~~ BUILDING CODE, TITLE 24, AND LOCAL CODES OR ORDINANCES. IN THE EVENT OF CONFLICTING PROVISIONS, ALWAYS CONFORM TO THE STRICTER REQUIREMENTS.

3. DETERMINE NECESSARY SUBGRADE ELEVATIONS AND CONSTRUCT SMOOTH TRANSITIONS BETWEEN FINISHED GRADES. FINISHED GRADE ELEVATIONS ADJACENT TO BUILDING PERIMETERS TO BE 6" BELOW FINISHED FLOOR ELEVATIONS, U.N.O.

4. ALL CONCRETE PAVING TO BE MED. BROOM FINISH UNLESS NOTED OTHERWISE.

5. PROVIDE DRAINAGE PIPING OF THE FOLLOWING SIZES :

A. CONDENSATE DRAINS: 2" DIAMETER, U.N.O.
B. ROOF DRAINS, PLANTER DRAINS: 4" DIAMETER, U.N.O.
C. STORM DRAIN LINES: 6" DIAMETER MIN, U.N.O.

6. ALL CONDENSATE, ROOF, PLANTER, AND AREA DRAINS TO CONNECT TO UNDERGROUND STORM DRAIN SYSTEM, U.N.O.

7. SITE IMPROVEMENTS IN THE ACCESSIBLE PATH OF TRAVEL IS A BARRIER FREE ACCESS ROUT WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. (POT) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (1133B.B.2) AND PROVIDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (1133B.B.6). CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 1133B.

8. ALL EXTERIOR ENTRANCES & EXITS (IDENTIFIED WITH A TRIANGLE SYMBOL, SEE LEGEND) ON THIS PLAN ARE TO BE ACCESSIBLE AND COMPLY WITH CBC 1133B.11, INCLUDING: 32" CLR. OPENING; REQ. STRIKE EDGE CLEARANCE AT PULL SIDE OF DOOR (24" FOR FRONT & LATCH, 36" FOR HINGE APPROACH); LEVEL LANDINGS (2% SLOPE MAX ON EXT. SIDE, 0% ON INT. SIDE); ACCESSIBLE THRESHOLD, HARDWARE, CLOSER, & KICK PLATE; ISA SIGN ON EXT. SIDE OF ENTRANCE; EXIT SIGN ON INT. SIDE OF EXIT DOOR.

KEY NOTES

1. NEW CONCRETE PAVING (DETAIL 9 / 2.01) PER SOILS REPORT RECOMENDATIONS
2. NEW LANDSCAPED AREA
3. NEW CONCRETE STAIRS W/ METAL HAND RAILS, SEE 5 & 10/2.02
4. NEW DRINKING FOUNTAINS, SEE 3/AT-1
5. NEW CURB CUT RAMP, SEE 11/2.01
6. ACCESSIBLE PARKING, SEE 13/2.02
7. FUTURE PATH OF TRAVEL TO FUTURE BUILDING

ADD # 1

SHEET AS-1

a. Added hatched area to show new AC paving section to match existing AC paving section.

SEE BACK OF PREVIOUS Page

b. Area of work boundary has been adjusted. See Drawing AR-1 issued with this addendum.

c. Site elevations and layout have been revised at southeast side of building as shown on Drawing AR-2 issued with this addendum.

tBP architecture planning interiors management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

DSA APPROVED CONSTRUCTION DOCUMENTS DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04-107979
BY: [illegible]
DATE: SEP 8 8 2006

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

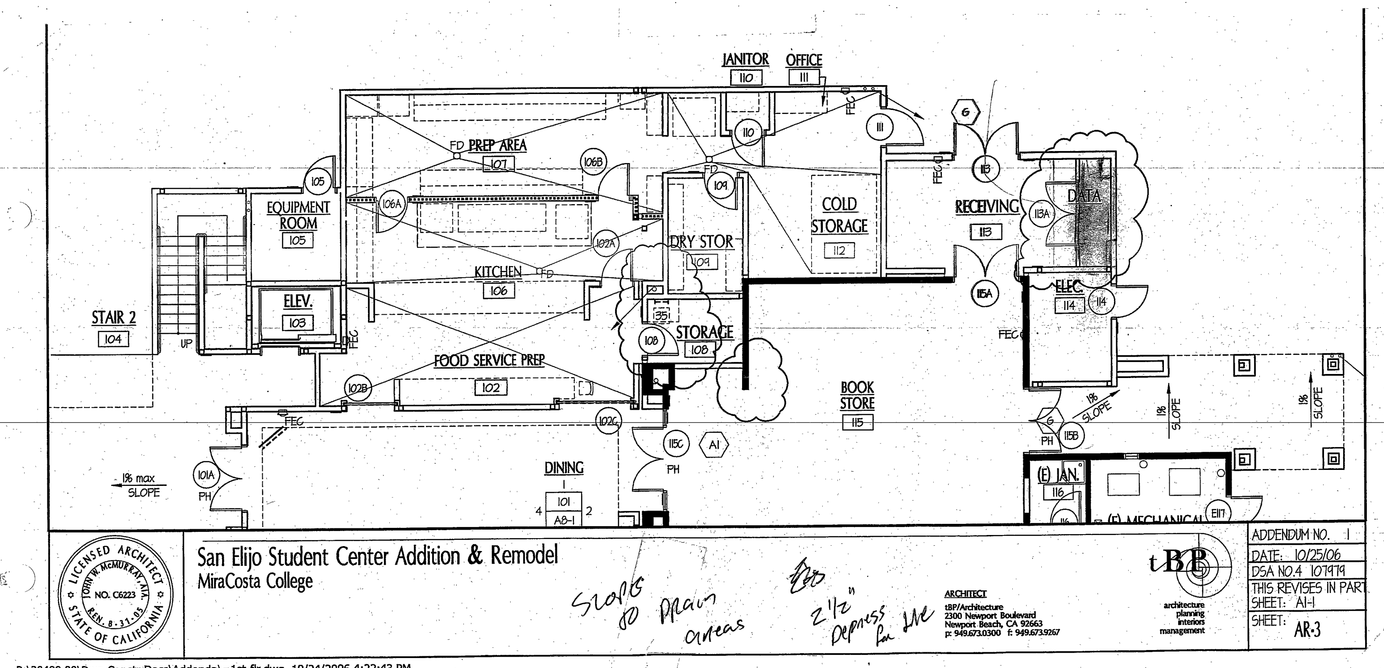
tBP project number : 2048.10
file name: OAS-OLDING
drawn by: CG checked by:
date: 09/18/06

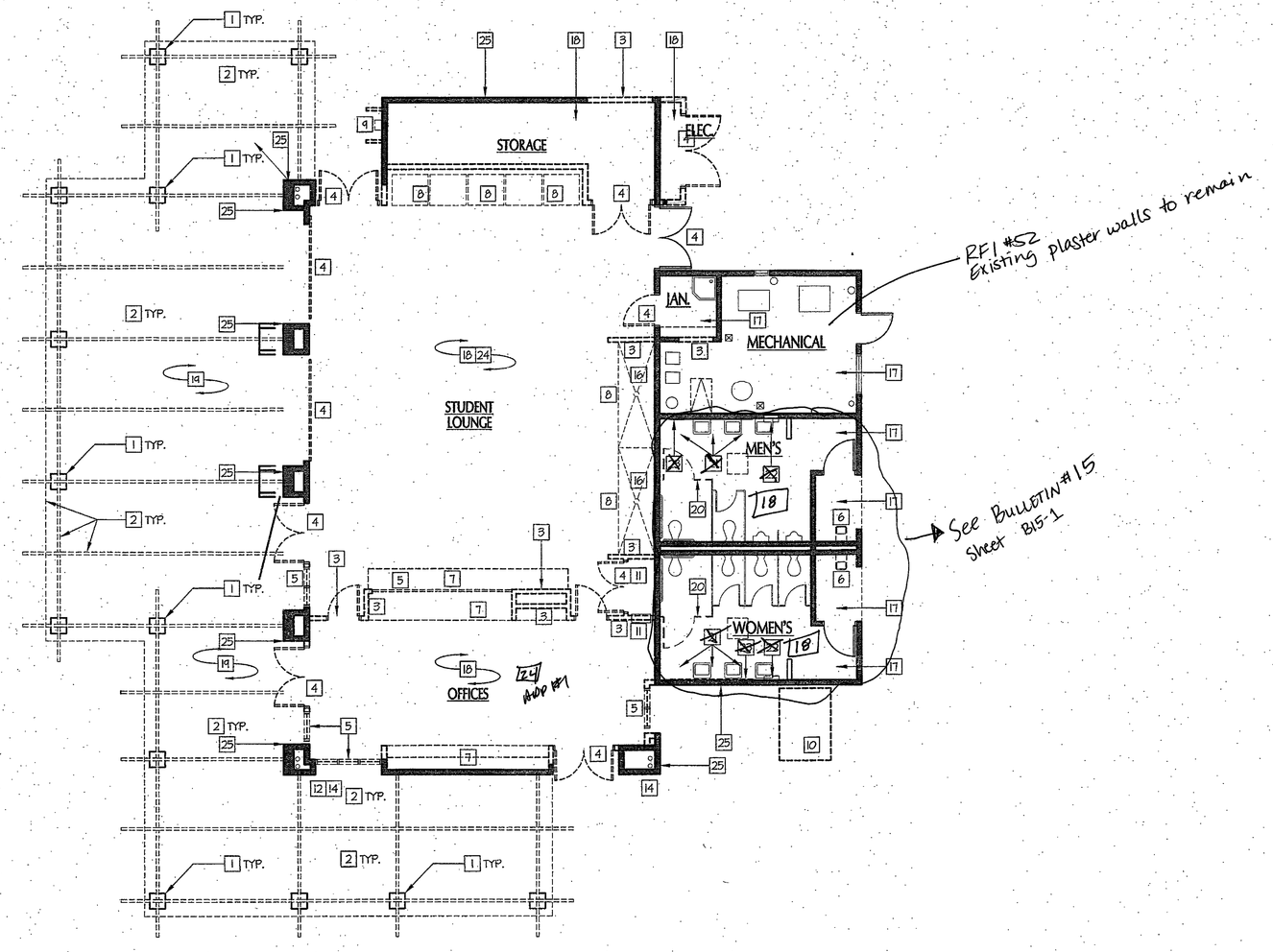
Rev:	date:	description:

drawing title: ENLARGED SITE PLAN
building no:

drawing no: AS-1
drawing 17 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007 REFERENCE DOCUMENTS ONLY





JOB NORTH

north

0 4' 8' 16'

FIRST LEVEL DEMOLITION FLOOR PLAN
SCALE: 1/8"=1'-0"

1

GENERAL DEMOLITION NOTES

1. WHERE DEMOLITION OR REMOVAL WORK OCCURS, TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ELEMENTS TO REMAIN. FINISHED WORK DAMAGED BY OPERATIONS UNDER DEMOLITION CONTRACT SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF OWNER AND ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

2. ALL IRRIGATION AND UTILITY LINES TO BE REMOVED SHALL BE CAPPED OUTSIDE THE CONSTRUCTION AREA.

3. DISPOSITION OF MATERIALS: PROMPTLY REMOVE FROM THE SITE ALL MATERIALS RESULTING FROM DEMOLITION WHICH ARE NOT TO BE REUSED. ITEMS TO BE REUSED SHALL BE STORED IN A PROTECTED LOCATION UNTIL REINSTALLATION BY OTHERS.

4. COORDINATE REMOVAL OF ALL ELECTRICAL FIXTURES, CONDUIT, AND JUNCTION BOXES WITH ELECTRICAL CONTRACTOR.

5. COORDINATE REMOVAL OF ALL PLUMBING AND IRRIGATION SYSTEM UNITS, CONTROLLERS AND VALVES, ACCESS BOX, ETC., WITH THE OWNER. SEE ADDITIONAL INFORMATION ON ELECTRICAL SITE PLAN SHEET E0.1. COORDINATE DEMOLITION WITH TEMPORARY IRRIGATION AND SHEET ES-0.

6. ALL DEMOLITION SHALL BE PER ARTICLE 87 C.F.C. AND CHAPTER 34 C.B.C.

WALL LEGEND

EXISTING 2X STUD WALL TO BE REMOVED

EXISTING 2X STUD WALL TO REMAIN

ADD #1

1. REFER TO STRUCTURAL DRAWINGS FOR BEARING WALL CONDITIONS.

2. REFER TO FLOOR PLAN AND PLUMBING DRAWINGS FOR PLUMBING WALL CONDITIONS.

DEMOLITION KEY NOTES

1. EXISTING TRELLIS COLUMNS & FOOTING TO BE REMOVED
2. EXISTING TRELLIS STRUCTURE TO BE REMOVED
3. EXISTING WALLS TO BE REMOVED
4. EXISTING DOORS & FRAME TO BE REMOVED
5. EXISTING WINDOW & FRAME TO BE REMOVED
6. EXISTING DRINKING FOUNTAIN TO BE REMOVED
7. EXISTING CASEWORK TO BE REMOVED
8. EXISTING VENDING MACHINES TO BE REMOVED BY OWNER
9. EXISTING PAY PHONE TO BE REMOVED AND RE-INSTALLED AS DIRECTED BY OWNER
10. EXISTING A.T.M. & KIOSK TO BE REMOVED BY OWNER
11. EXISTING ELECTRICAL PANELS TO BE REMOVED PER ELECTRICAL PLANS
12. EXISTING HOSE BIBB TO REMAIN
13. EXISTING HOSE BIBB TO BE RELOCATED PER PLUMBING PLANS CAPPED
14. EXISTING 3" ROOF DRAIN & OVERFLOW TO REMAIN
15. EXISTING 3" ROOF DRAIN & OVERFLOW TO BE RE-ROUTED
16. EXISTING SLAB DEPRESSION AND DRAIN TO BE ~~REMOVED~~ filled flush with existing slab (not w/ concrete topping. ADD #1
17. EXISTING CEILING TO REMAIN
18. EXISTING CEILING TO BE REMOVED
19. EXISTING EXTERIOR CONC SLAB TO BE REMOVED
20. REMOVE PARTIAL STALL PARTITION FOR NEW STALL LAYOUT
21. ~~RELOCATE SINK & PIPING INSIDE WALLS AS REQUIRED, SEE A1-1 FOR NEW LOCATION~~
22. ~~RELOCATE PAPER TOWEL/ WASTE TO NEW LOCATION SHOWN ON SHEET A1-1~~
23. ~~EXISTING MIRROR TO BE REMOVED~~
24. EXISTING CONCRETE SLAB TO BE ~~REMOVED~~ Remain. See Sheet ~~S2-1~~ S2-1 and new wall foundation in this area.
25. "ON FACE OF EXISTING WALL ADJACENT TO SEPARATION JOINT BETWEEN THE EXISTING BUILDING AND THE ADDITION, REMOVE EXISTING PROTRUSIONS AND WALL FINISHES DOWN TO EXISTING PLYWOOD SHEATHING. DAMAGED PLYWOOD SHALL BE REPLACED WITH NEW PLYWOOD, SAME THICKNESS, GRADE (OR BETTER), AND NAILING."

- See Sheets S2-1, M1-0, and P1-0 for additional demo information ADD #1

tBP architecture planning interiors management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048910
file name: A-101-flp.dwg
drawn by: DK checked by:
date: 04/18/06

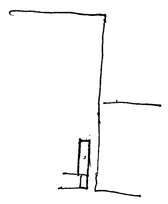
Rev:	date:	description:

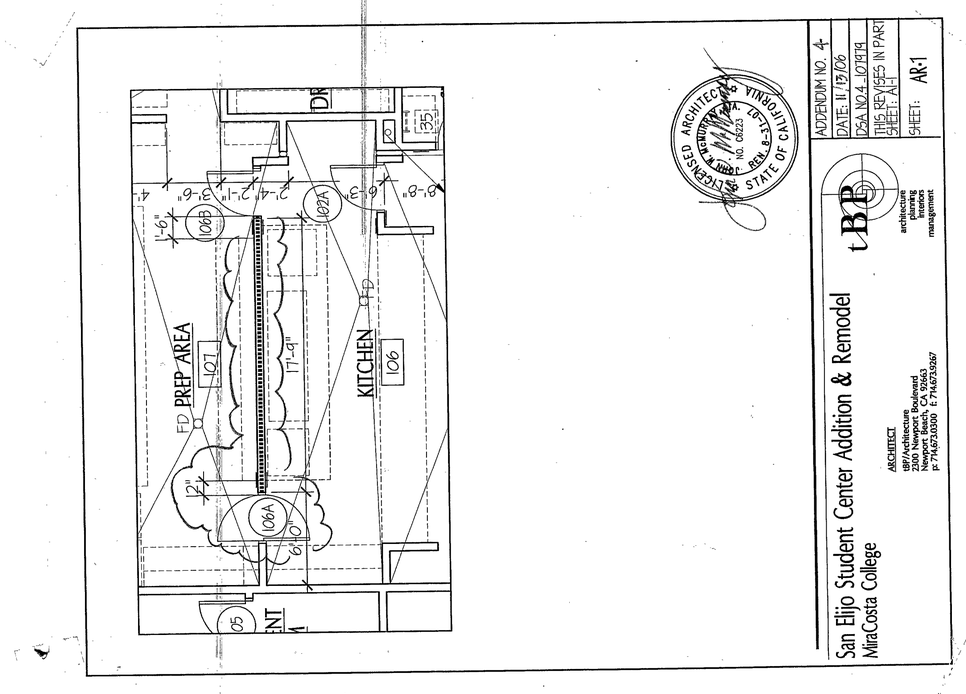
drawing title: DEMOLITION FLOOR PLAN
building no.: C

drawing no.: A1-0
drawing 10 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.





GENERAL FLOOR PLAN NOTES

1. REFER TO SHEET T-1 FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS, AND DRAFTING SYMBOLS.
2. EXTERIOR WALLS
   EXTERIOR WALLS ARE 2 X 6 WOOD STUD TO BE FURRED OUT WITH WOOD SHEATHING, AND EXTERIOR PLASTER OVER METAL LATH OVER BUILDING PAPER AND 5/8" TYPE 'X' GYPSUM BOARD INSTALLED TO ~~U~~ ABOVE, underside CEILING HEIGHT OR THE INSIDE of structure on the inside U.N.O. #4
4. INTERIOR PARTITIONS
   A. ALL INTERIOR PARTITIONS SHALL BE 2 x 6 WOOD STUDS AT 16" O.C. WITH 5/8" TYPE 'X' GYPSUM BOARD EACH SIDE INSTALLED TO STRUCTURE ABOVE, TYP. UNLESS NOTED OTHERWISE.
   B. REFER TO SHEET 9.01 FOR ADDITIONAL INFORMATION ON WOOD STUD FRAMING.
   C. REFER TO SHEET 9.01 FOR INTERIOR FINISH SCHEDULE.
5. INSULATION
   A. EXTERIOR WALLS; PROVIDE R-19 THERMAL INSULATION
   B. ROOFS: PROVIDE R-30 BATT INSULATION WITHIN THE ROOF FRAMING.
   C. INTERIOR STUD PARTITIONS: PROVIDE 3-1/2" THICK SOUND BATT INSULATION, TYP. THROUGHOUT

WALL TYPES

- A — EXTERIOR 2X STUD FRAMED WALL SEE DETAIL 8/9.01 ALL EXTERIOR WALLS U.O.N.
- A.2 — EXTERIOR DOUBLE 2X STUD WALL
- A.1 — EXTERIOR 2X STUD FRAMED WALL AT TOILET ROOMS CONDITION, SEE DETAIL 9/9.01
- B — INTERIOR 2X STUD FRAMED WALL SEE DETAIL 10/9.01 ALL INTERIOR WALLS U.N.O.
- B.1 — INTERIOR 2X STUD FRAMED WALL AT TOILET ROOM SEE DETAIL 10/9.01
- C — ~~NOT USED~~ interior low wall / see detail 11/4.01
- C.1 — EXTERIOR 2X STUD FRAMED LOW WALL SEE DETAIL ~~11/9.01~~ 14/4.01

NOTE: REFER TO STRUCTURAL DRAWINGS FOR BEARING CONDITIONS

KEYNOTES

1. PATCH SLAB DEPRESSION TO MATCH EXISTING SLAB LEVEL. Patching of the depressed slab w/ concrete topping. ADD #1
2. NEW ROOF DRAIN AND OVER FLOW TO STORM DRAIN SYSTEM. ARROW INDICATES DIRECTION TO MAIN STORM DRAIN.
3. EXISTING ROOF DRAIN AND OVER FLOW, RE-ROUTE OVERFLOW TO EXTERIOR WALL AND ROOD DRAIN TO STORM DRAIN SYSTEM IF CONNECTION HAS BEEN INTERCEPTED DURING CONSTRUCTION OF NEW SLAB AND FOUNDATIONS.
4. NEW HOSE BIB
5. WALL MOUNTED FLAT SCREEN DISPLAYS OVER ENTRANCE
6. ACCESS PANEL, FLUSH W/ FLOOR, FOR POWER AND AUDIO CONNECTIONS
7. SURFACE MOUNTED 8'-0" WIDE MANUAL PROJECTOR SCREEN
8. SURFACE MOUNTED 70V 2-WAY SPEAKER
9. CEILING RECESSED MANUAL PROJECTOR SCREEN RFI# 104 - Provide 8x8 projection screens
10. CEILING RECESSED ~~MOTORIZED~~ PROJECTOR SCREEN
11. CEILING RECESSED PROJECTOR OR MOTORIZED LIFT
12. MOTORIZED FOLDING PANEL PARTITION
13. ACCESSIBLE REFRIGERATOR, N.I.C.
14. VENDING MACHINES, N.I.C. (PROVIDE POWER & WATER)
15. STAINLESS STEEL SINK
16. BLACK OUT ROLLER SHADES
17. 3" ROOF DRAIN & OVERFLOW DRAIN
18. ISA SIGN, SEE 20/11.01
19. EXIT SIGN, SEE 4/11.01
20. EXIT ROUTE SIGN, SEE 9/11.01
21. WALL MOUNTED ROOM SIGN, SEE 3/11.01
22. RESTROOM SIGN, SEE 13 & 14/11.01
23. SOFFIT ABOVE
24. FIRE EXTINGUISHER CABINET, SEE 12/4.01 RFI #91 - Centerline of Cubinet to be 4'-0" AFF
25. ~~ONE HOUR FIRE RATED WALL, SEE 1/4.01~~
26. DOOR W/ IN MOTORIZED PARTITION
27. PORTABLE ASSISTED LISTENING SYSTEM & SIGNAGE, SEE DETAIL 19/11.01
28. START POINT OF 2.5 DEPRESSED SLAB FOR TILE AND SLOPE TO DRAINS
29. 8" DEPRESSED SLAB AREA FOR KITCHEN FREEZER EQUIPMENT
30. NEW RAMP SEE SITE PLAN FOR INFORMATION
31. NEW ENTRY STAIR SEE SITE PLAN FOR INFORMATION
32. RAISED SLAB SEE STRUCTURAL FOUNDATION PLAN
33. EXISTING ROOF ACCESS TO REMAIN

28. OCCUPANT SIGN "MAX. 77 OCCUPANTS" @ ROOM 126.
" " "MAX. 94 OCCUPANTS" @ ROOM 101
35. ROOF PITCH
See RFI # 100 for FRP termination locations

NOTE:
5 % OF ALL N.I.C. FURNITURE OR WORK STATIONS PROVIDED BY THE COLLEGE SHALL BE ACCESSIBLE.

JOB NORTH / north

0 4' 8' 16'

FIRST LEVEL FLOOR PLAN — SCALE: 1/8"=1'-0" — 1

tBP architecture planning interiors management
BBF/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

DSA IDENTIFICATION STAMP ONLY OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04-107979
ACCESS_ RES ☐ ☐ SS ☐
DATE SEP 29 2006

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

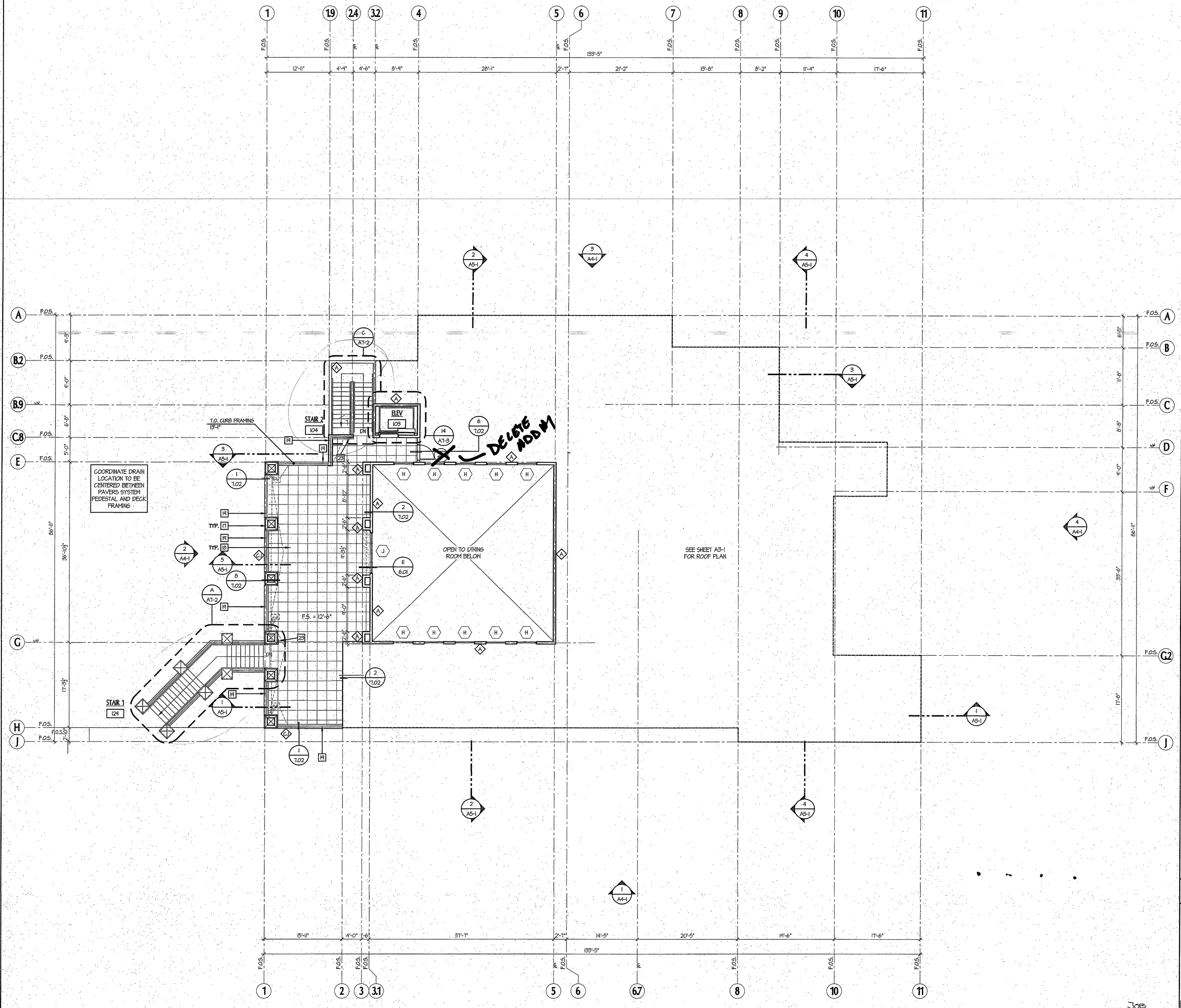
owner

tBP project number : 2048410
file name: A-0101-1fp.dwg
drawn by: CT checked by:
date: 09/18/06

Rev:	date:	description:

drawing title: FIRST FLOOR PLAN
building no.: 6
drawing no.: A1.1
drawing 19 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



SECOND LEVEL DECK AND LOWER ROOF PLAN PLAN
SCALES 1/8"=1'-0"

1

GENERAL FLOOR PLAN NOTES

1. REFER TO SHEET T-1 FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS, AND DRAFTING SYMBOLS.
2. EXTERIOR WALLS
   EXTERIOR WALLS ARE 2 X 6 WOOD STUD TO BE FURRED OUT WITH WOOD SHEATHING, AND EXTERIOR PLASTER OVER METAL LATH OVER BUILDING PAPER AND 5/8" TYPE 'X' GYPSUM BOARD INSTALLED TO 6" ABOVE CEILING HEIGHT ON THE INSIDE.
4. INTERIOR PARTITIONS
   A. ALL INTERIOR PARTITIONS SHALL BE 2 x 6 WOOD STUDS AT 16" O.C. WITH 5/8" TYPE 'X' GYPSUM BOARD EACH SIDE INSTALLED TO STRUCTURE ABOVE, TYP. UNLESS NOTED OTHERWISE.
   B. REFER TO SHEET 4.01 FOR ADDITIONAL INFORMATION ON WOOD STUD FRAMING.
   C. REFER TO SHEET 9.01 FOR INTERIOR FINISH SCHEDULE.
   D. AT PARTITIONS INDICATED TO BE 1-HOUR (SHAFT) RATED (SEE LEGEND) ALL PENETRATIONS SHALL BE RATED OR DAMPERED PER CBC 1224.
5. INSULATION
   A. EXTERIOR WALLS AND RETAINING WALLS: PROVIDE R-19 THERMAL INSULATION
   B. ROOFS (FLAT): PROVIDE R-30 BATT INSULATION WITHIN THE ROOF FRAMING.
   C. INTERIOR STUD PARTITIONS: PROVIDE 3-1/2" THICK SOUND BATT INSULATION, TYP. THROUGHOUT

WALL TYPES

- A — EXTERIOR 2X STUD FRAMED WALL SEE DETAIL 8/9.01 ALL EXTERIOR WALLS U.N.O.
- A.2 — EXTERIOR DOUBLE 2X STUD WALL
- A.7 — EXTERIOR 2X STUD FRAMED WALL AT TOILET ROOMS CONDITION, SEE DETAIL 4/9.01
- B — INTERIOR 2X STUD FRAMED WALL SEE DETAIL 18/14.01 ALL INTERIOR WALLS U.N.O.
- B.1 — INTERIOR 2X STUD FRAMED WALL AT TOILET ROOM SEE DETAIL 10/14.01
- C — INTERIOR 2X STUD FRAMED LOW WALL SEE DETAIL 11/14.01
- C.1 — EXTERIOR 2X STUD FRAMED LOW WALL SEE DETAIL 11/14.01 (D.F. ALCOVE) OR 1/7.02 (AT DECK EDGE)

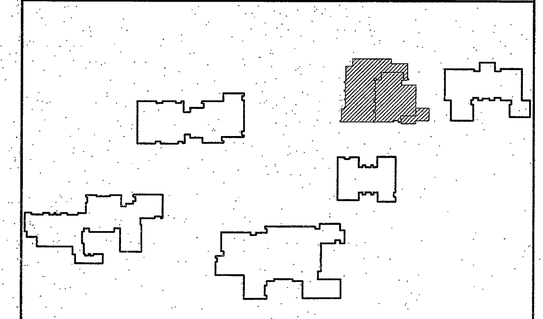
NOTE: REFER TO STRUCTURAL DRAWINGS FOR BEARING CONDITIONS

KEYNOTES [#]

SHEET A1-2:

1. ~~PRECAST COLUMN CAPS~~ ADD #1
18. PAVER SYSTEM
19. METAL GUARD RAIL
23. STAIR SIGN, SEE 12/11.01
30. ~~PROVIDE SECURITY GATES AT TOP OF STAIR #1 AND #2~~ ADD #1

KEY PLAN



tBP architecture planning interiors management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

consultant

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
ACCESS YES NO DSA
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

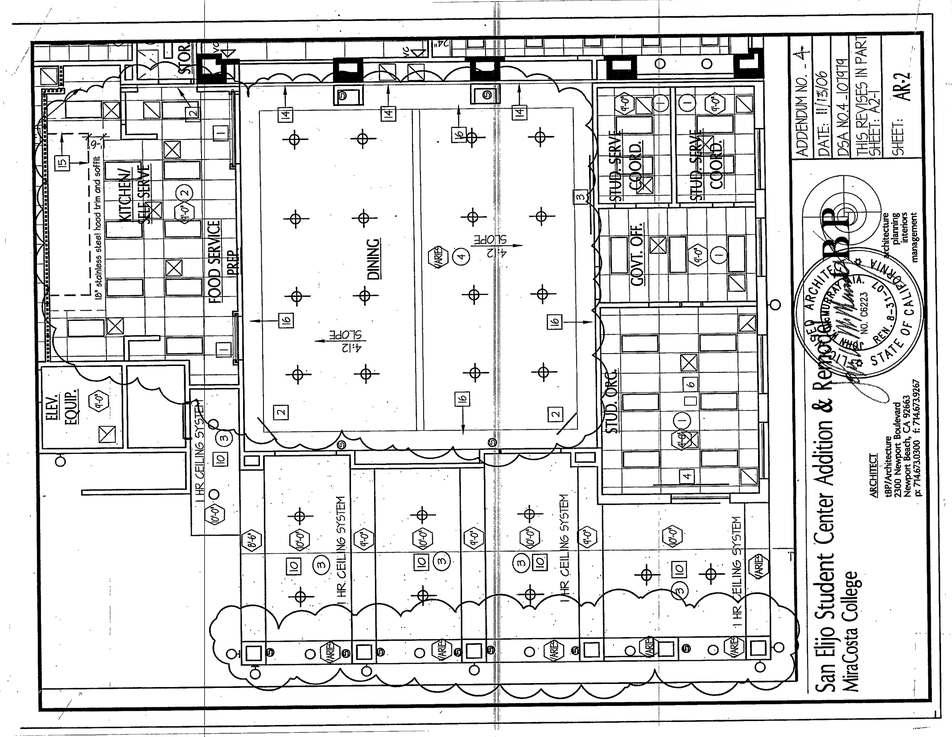
tBP project number : 20.089.10
file name: A-101-II.p.dwg
drawn by: DK checked by:
date: 09/18/06

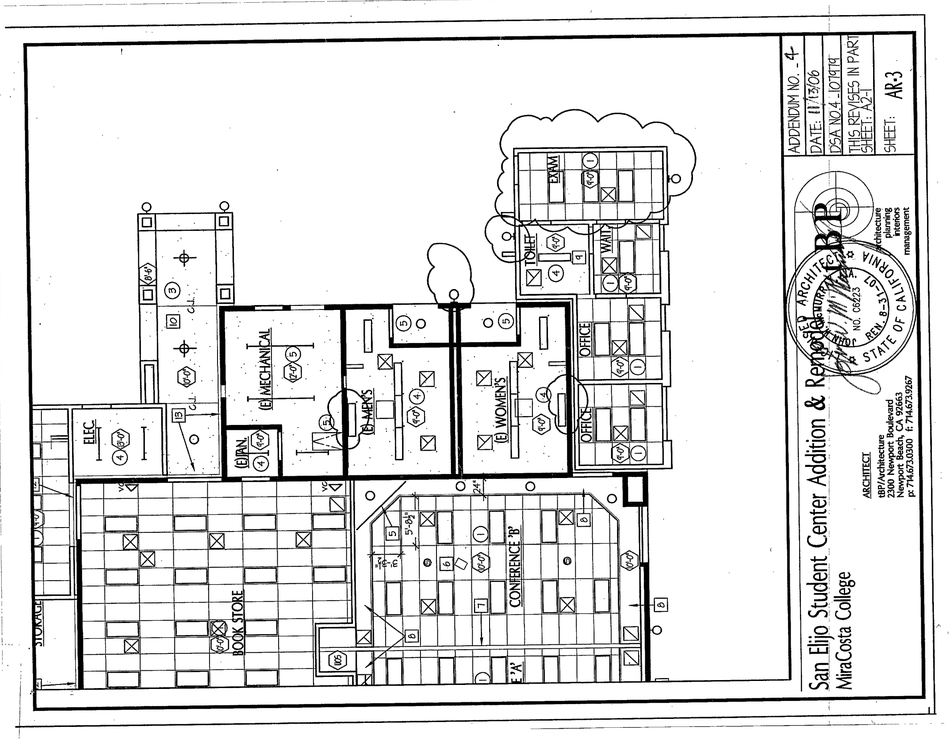
Rev:	date:	description:

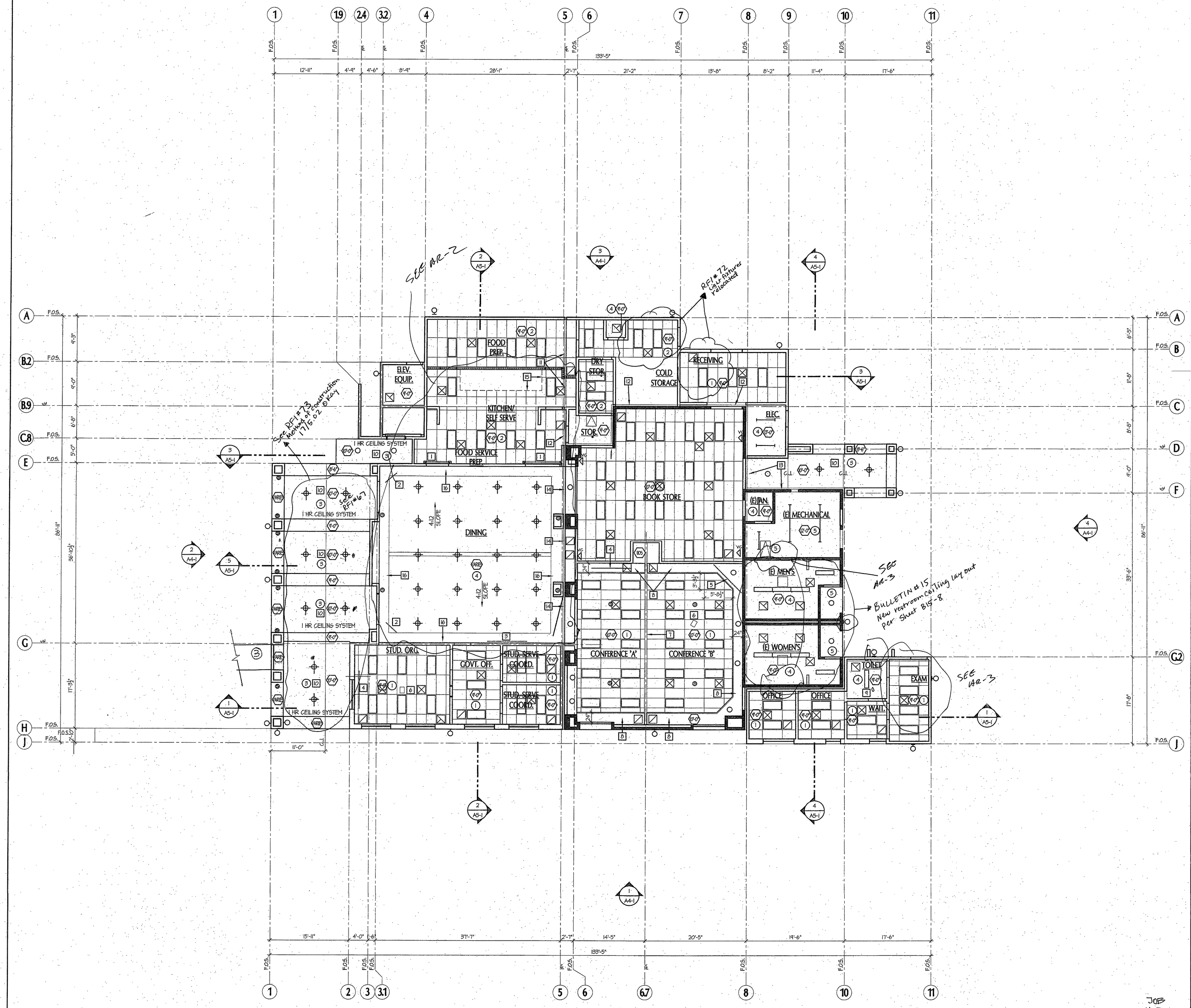
drawing title: SECOND FLOOR PLAN
building no.: 6
drawing no.: A1-2
drawing 20 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.







KEY NOTES

1. MOTORIZED COILING GRILLE MOUNTED ABOVE CEILING, SEE DETAIL 10/B.20 FOR ABOVE CEILING MOUNTING CONDITION AND 3/B.20 FOR JAMB CONDITION.
2. WALL MOUNTED FLAT PANEL AT ROOM CORNER
3. WALL MOUNTED, MANUAL 8' WIDE PROJECTION SCREEN
4. CEILING RECESSED IN GYP. SOFFIT, MANUAL 8' WIDE PROJECTION SCREEN, SEE DETAIL 20/5.01
5. CEILING RECESSED IN GYP. SOFFIT, MOTORIZED 8' WIDE PROJECTION SCREEN, SEE DETAIL 20/5.01
6. CEILING RECESSED, PROJECTOR ON MOTORIZED LIFT, SEE DETAIL 17/5.01
7. MOTORIZED FOLDING PANEL PARTITION TRACK, SEE DETAIL 1/B.10 FOR SOFFIT CONDITION AND 16/B.10 FOR SUSPENDED CEILING CONDITION
8. GYP. SOFFIT AT ROOM PARIMETER SEE DETAIL 19/5.01
9. HARD LID GYP. BD. CEILING AT TOILET ROOM SEE DETAIL 14/5.01
10. EXTERIOR PLASTER OVER PAPER BACKED METAL LATH FINISH UNDERSIDE OF EXTERIOR PATIO AREA. SEE DETAIL 15/9.01 FOR ATTACHMENT TO FRAMING
11. EXPANSION JOINT AT SUSPENDED ACOUSTICAL CEILING, SEE 1/3.01
12. EXPANSION JOINT AT SUSPENDED ACOUSTICAL CEILING TO WALL, SEE 6/3.01
13. EXPANSION JOINT AT EXTERIOR PLASTER SOFFIT TO WALL, SEE 11/3.01
14. EXPANSION JOINT AT INTERIOR GYP. BD. SOFFIT, SEE 2/3.01
15. EXHAUST HOOD, SEE SHEET F5-3
16. SOFFIT

SHEET A2-1

a. 1 hr ceiling system: See Section 1 and 5 on Sheet A5-1 for reference to assembly UL 519.

CEILING NOTES

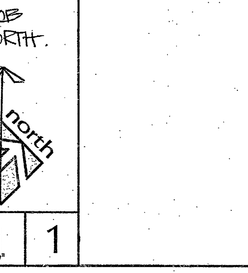
CEILING TYPE	CEILING DESCRIPTION	DETAIL
ACP (1)	MINERAL FIBER, 24'x 48" PANELS, SUSPENDED STEEL GRID	1/5.01
ACP (2)	MINERAL FIBER, 24'x 48" PANELS, WASHABLE, SUSPENDED GRID	1/5.01
PLAS (3)	EXTERIOR PLASTER OVER METAL LATH, SUSPENDED	14/5.02
GYP (4)	GYPSUM BOARD, SUSPENDED	4/5.02
(5)	EXISTING TO REMAIN	

1. MECHANICAL GRILLES, REGISTERS, EXTERIOR LOUVERS AND ELECTRICAL FIXTURES ARE SHOWN FOR LOCATION PURPOSES ONLY. VERIFY QUANTITY AND SIZES WITH MECHANICAL OR ELECTRICAL DRAWINGS.
2. SEE DETAIL SHEET 5.01 FOR DETAILS OF ACOUSTIC TILE CEILING SYSTEMS, CEILING NOTES AND SUSPENDED GYPSUM BOARD.
3. FOR CEILING FINISHES AND HEIGHTS SEE SHEET 9.01

SYMBOLS - REFLECTED CEILING PLAN

- RECESSED CEILING MOUNTED INCANDESCENT FIXTURE
- 1 x 4 FLUORESCENT FIXTURE
- 2 x 4 FLUORESCENT FIXTURE
- 4' STRIP FLUORESCENT FIXTURE
- 8' STRIP FLUORESCENT FIXTURE
- EXIT SIGN
- MECHANICAL REGISTER RETURN
- MECHANICAL REGISTER SUPPLY
- MECHANICAL REGISTER EXHAUST
- CEILING HATCH
- VC VIDEO CAMERA
- SPEAKER

KEY PLAN



FIRST LEVEL REFLECTED PLAN | 1
SCALE: 1/8"=1'-0"

tBP architecture planning interiors management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

consultant

DEPARTMENT OF STATE ARCHITECT DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04-107979
AC. — RS 01 SS
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

San Elijo Student Center
MiraCosta College

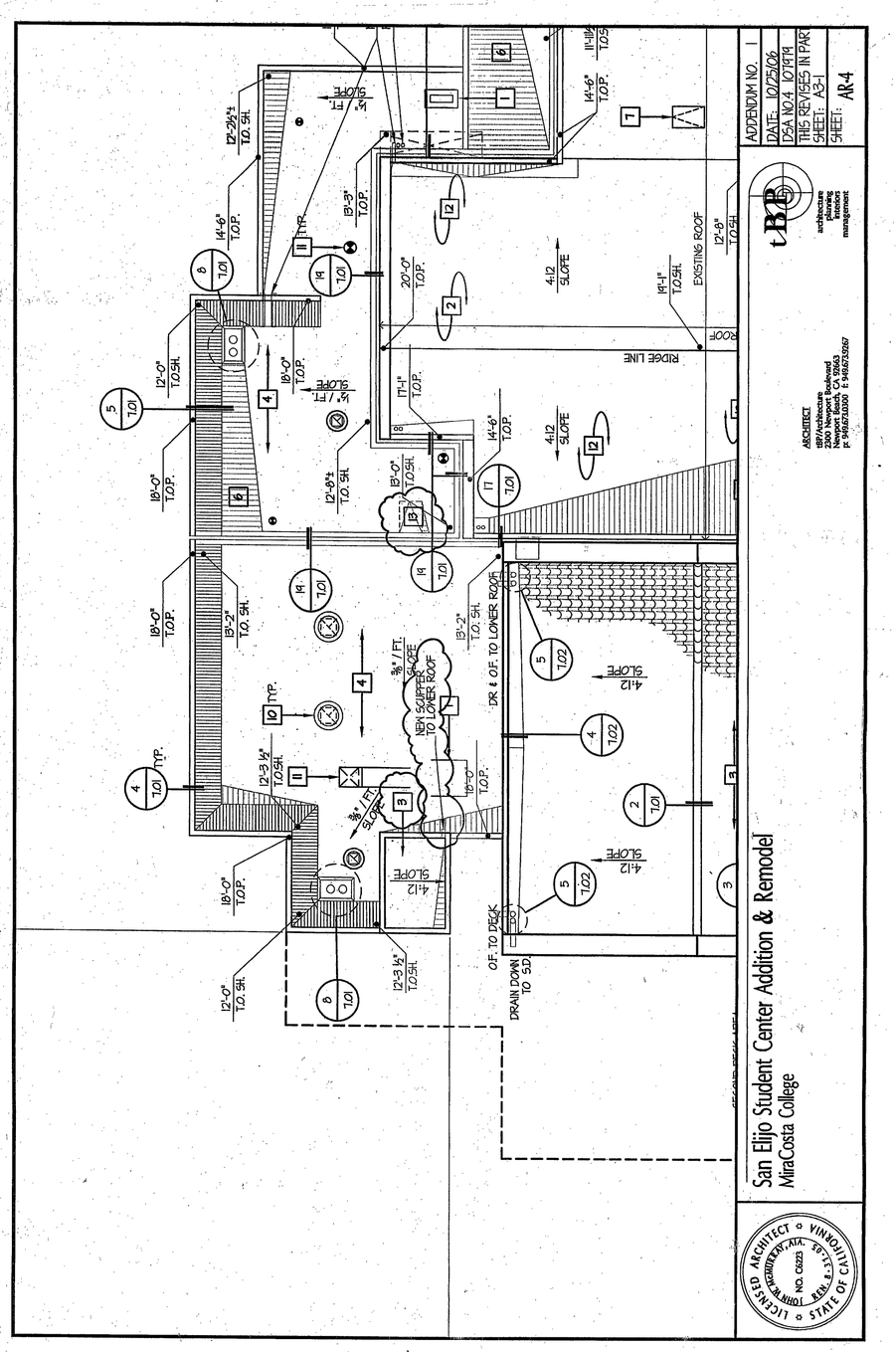
MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007
owner

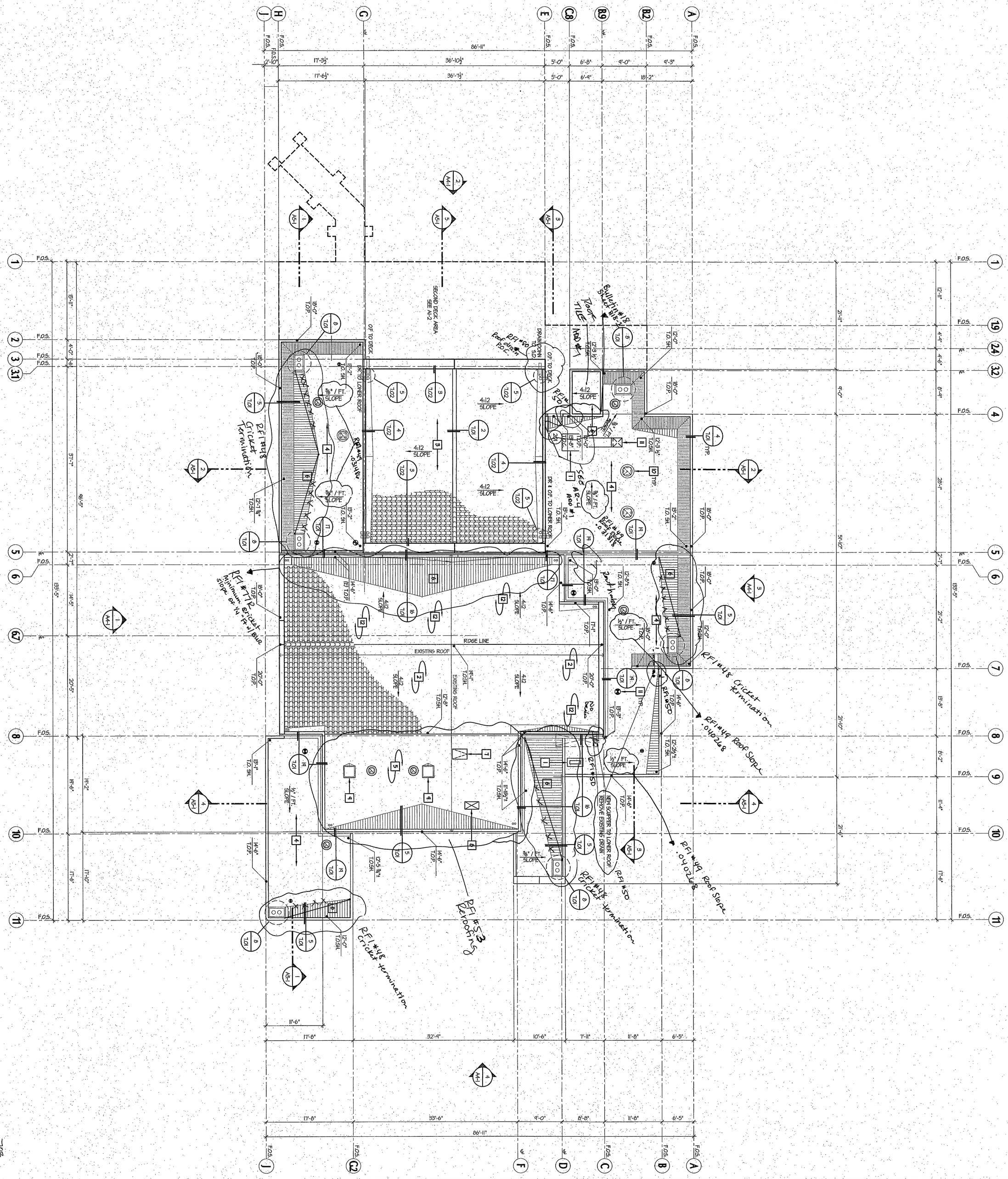
tBP project number : 2048.10
file name: A-101-flp.dwg
drawn by: DK checked by:
date: 04/18/06

Rev: date: description:

drawing title: building no.: C
REFLECTED CEILING PLAN
drawing no:
A2-1
drawing 21 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY


ADDENDUM NO. 1
DATE: 10/25/06
DSA NO.4 10/19/19
THIS REVISES IN PART
SHEET: A3-1
SHEET: AR-4
ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.1000 f: 949.673.1567
tBP
architecture
planning
interiors
management
San Elijo Student Center Addition & Remodel
MiraCosta College
LICENSED ARCHITECT
JOHN W. KEIR, AIA
No. C6225
STATE OF CALIFORNIA
RIDGE LINE
EXISTING ROOF
NEW SLOPED TO LOWER ROOF
DR & O.F. TO LOWER ROOF
O.F. TO DECK
DRAIN DOWN TO S.D.
4:12 SLOPE
T.O.P.
T.O.SH.



ROOF PLAN

SCALE: 1/8"=1'-0"

1

0 4' 8' 16'

JOB NORTH

north

KEY PLAN

NORTH

ROOF PLAN NOTES

1. MECHANICAL UNIT PLATFORM, SEE DETAIL 2/7.01
2. EXISTING CLAY TILE ROOF TO REMAIN - (U) NEW: Repair existing Roof where required for construction, clay tile to match existing
3. CLAY TILE ROOF OVER ADDITION, SEE DETAIL 9/7.01
4. BUILT UP ROOF SYSTEM OVER ADDITION
5. EXISTING BUILT UP ROOFING TO REMAIN
6. NEW CRICKET SLOPE 3:12
7. EXISTING ROOF HATCH
8. EXISTING MECHANICAL DUCT NEW mech. Unit See Sht. M2-1
9. EXISTING SKYLIGHT
10. EXHAUST FAN, SEE DETAIL 7/7.01
11. DUCT PENETRATION, SEE DETAIL 10/7.01
12. REPLACE ALL EXISTING DAMAGED ROOF TILE IN THIS AREA BY NEW TILE.
13. RFI #77 - Roof Hatch – See A2-4 for location
    RFI #87 - Substitute galvanized twisted wire for brass twisted wire.

ROOF PLAN - LEGEND & NOTES

- ROOF AND OVERFLOW DRAIN
- DOWNSPOUT - CONNECT TO STORM DRAIN, SEE DET. -/-
- DOWNSPOUT - SPILL ONTO ROOF BELOW, SEE DET. -/-
- CRICKET
- ROOF HATCH

ABBREVIATIONS

BUR.	BUILT-UP ROOFING
O.D.	OVERFLOW DRAIN
R.D.	ROOF DRAIN
T.M.W.	TOP OF MASONRY WALL
T.O.P.	TOP OF PARAPET
T.O.S.	TOP OF STEEL
T.O.SH.	TOP OF SHEATHING
T.W.	TOP OF WALL

San Elijo Student Center
MiraCosta College

MiraCosta College · San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC — FLS — SS — PL
DATE SEP 2 9 2006

agency

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

consultant

LICENSED ARCHITECT JOHN W. McMURRAY NO. C8228 REN. 8-31-07 STATE OF CALIFORNIA

architect

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

tBP
architecture
planning
interiors
management

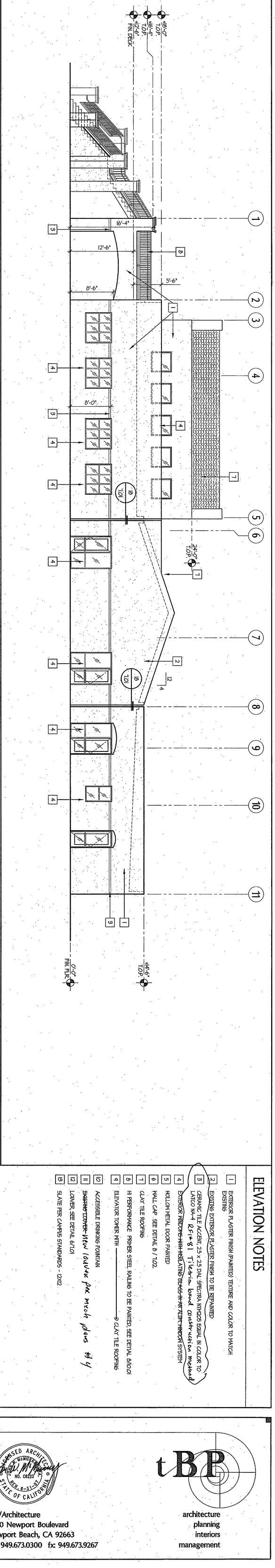
owner

tBP project number: 20484.10
file name: A-001-ltr.dwg
drawn by: DK checked by:
date: 04/18/06

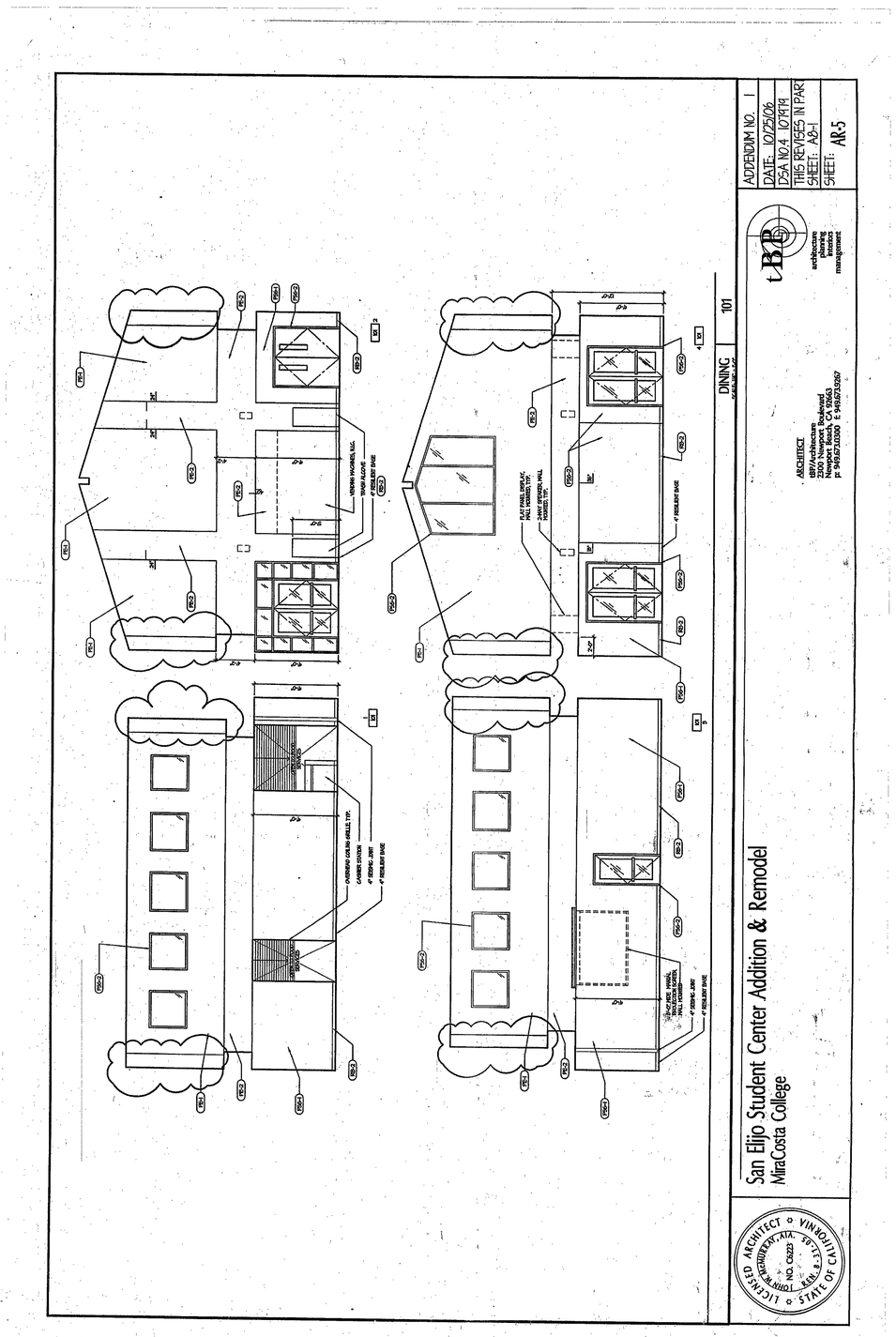
drawing title: ROOF PLAN
building no.: C
Rev: date: description:

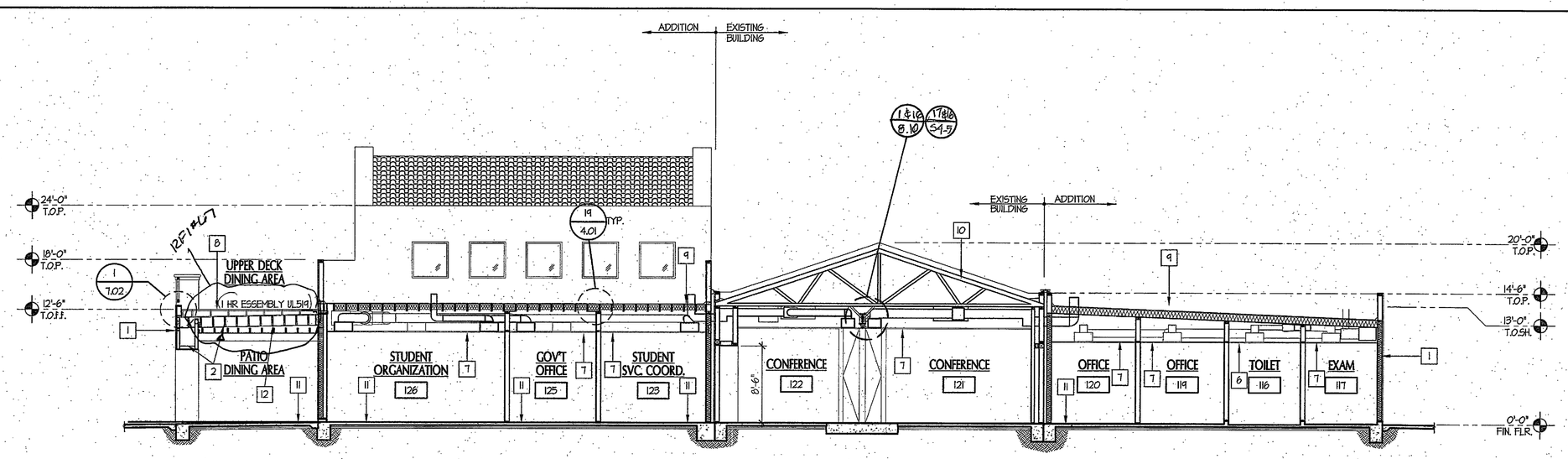
drawing no.: A3.1
drawing 22 of 107

SAN B400 & B900 BUILDING RENOVATIONS Bid #MM-20-020 Exhibit 2 – SAN B900 RENOVATION PLANS 2007 REFERENCE DOCUMENTS ONLY

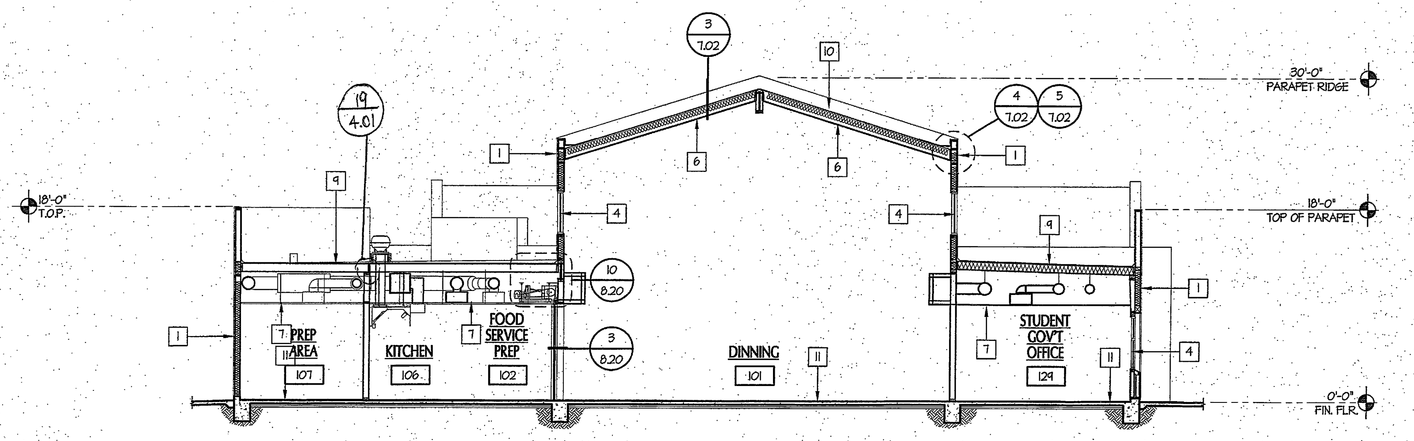

+30'-0" RIDGE
+24'-0" T.O.P.
+19'-0" T.O.P.
+16'-4" T.O.P.
+12'-6" UPPER FLR.
0'-0" FIN. FLR.
18'-0"
12'-6"
5'-6"
8'-10"
3'-0"
10'-0"
8'-6"
3'-6"
1/A1.01
1/A1.02
1/A1.03
1/A1.04
1/A1.05
1/A1.06
1/A1.07
1/A1.08
1/A1.09
1/A1.10
1/A1.11
1/A1.12
1/A1.13
1/A1.14
1/A1.15
1/A1.16
1/A1.17
1/A1.18
1/A1.19
1/A1.20
1/A1.21
1/A1.22
1/A1.23
1/A1.24
1/A1.25
1/A1.26
1/A1.27
1/A1.28
1/A1.29
1/A1.30
1/A1.31
1/A1.32
1/A1.33
1/A1.34
1/A1.35
1/A1.36
1/A1.37
1/A1.38
1/A1.39
1/A1.40

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

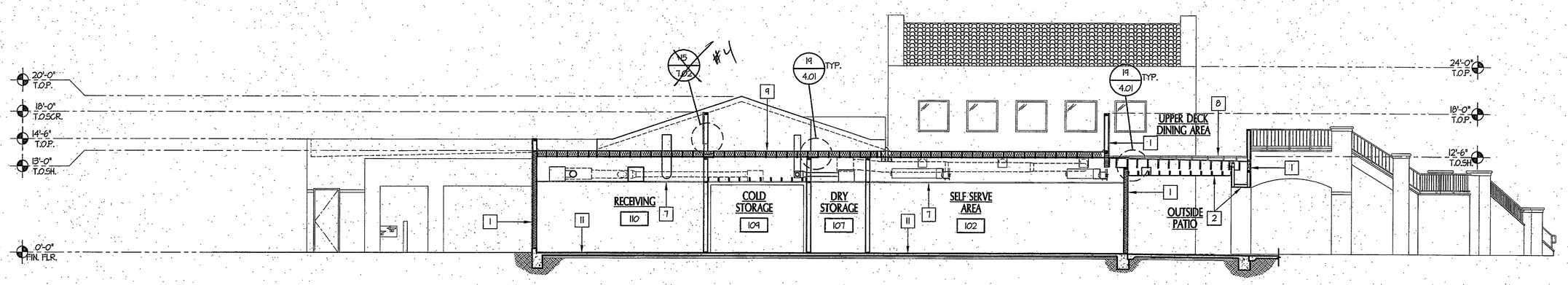




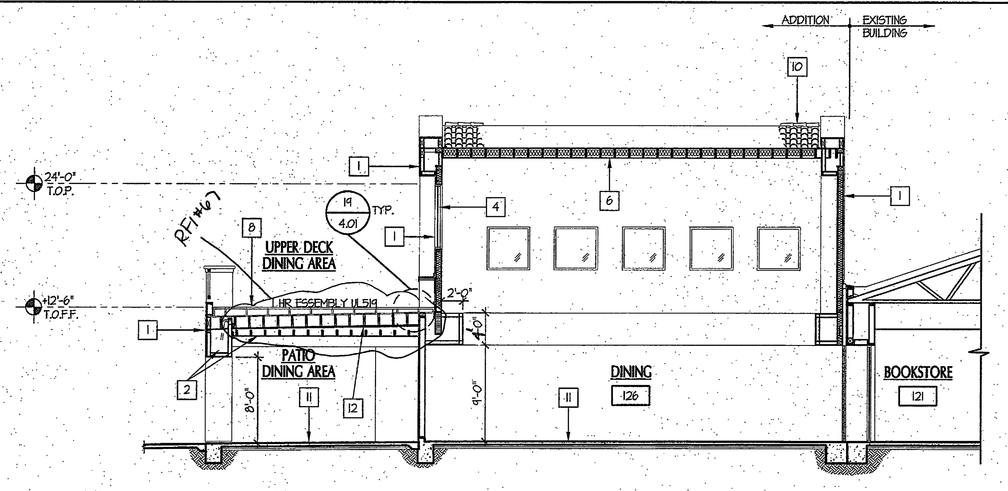
BUILDING SECTION 1
SCALE: 1/8" = 1'-0"



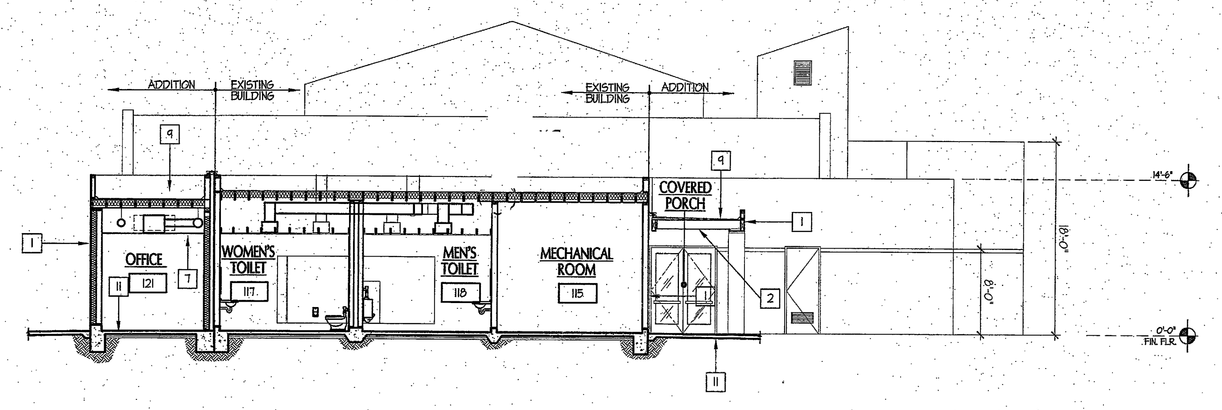
BUILDING SECTION 2
SCALE: 1/8" = 1'-0"



BUILDING SECTION 3
SCALE: 1/8" = 1'-0"



PARTIAL-BUILDING SECTION 5
SCALE: 1/8" = 1'-0"



BUILDING SECTION 4
SCALE: 1/8" = 1'-0"

BUILDING SECTION NOTES

1. EXTERIOR PLASTER FINISH (PAINTED) OVER EXT. PLYWOOD SHEATHING
2. EXTERIOR PASTER FINISH (PAINTED) UNDESIDE OF SOFFITS AND OVERHANGS
3. 4" WIDE EXTRUDED ALUMINUM CHANNEL WITH ANODIZED FINISH
4. INSULATING GLASS IN AN ALUM. FRAME SYSTEM
5. HOLLOW METAL DOOR PAINTED
6. GYP. BD. FINISH AT INTERIOR HARD LIDS
7. SUSPENDED ACOUSTICAL CEILINGS
8. 2" THICK CONCRETE PAVERS ELEVATED SYSTEM AT SECOND FLOOR PATIO DECK OVER A SLOPED MEMBRANE SYSTEM OVER PLYWOOD SUBSTRATE.
9. BUILT UP ROOFING OVER PLYWOOD SUBSTRATE
10. CLAY TILE ROOFING OVER PLYWOOD SUBSTRATE
11. REINFORCED CONCRETE SLAB ON GRADE OVER GRANULAR COMPACTABLE MATERIAL OVER MOISTURE BARRIER, OVER COMPACTED SOIL PER SOILS REPORT
12. 1/2" TYPE X GYPSUM WALLBOARD APPLIED TO WOOD JOIST PER UL 514 FOR 1 HOUR ASSEMBLY

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

consultant

DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

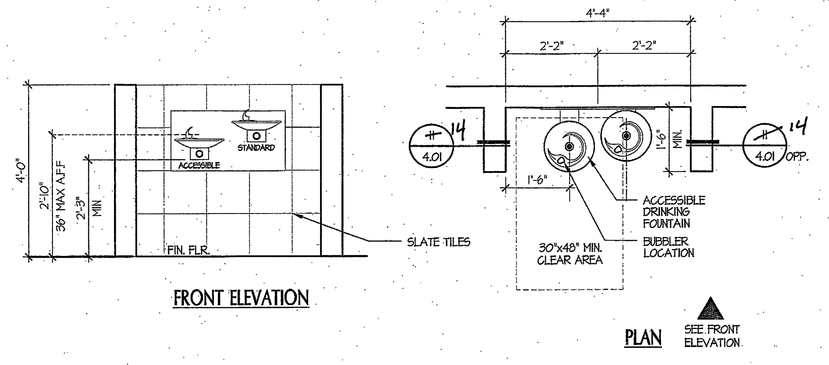
owner

tBP project number : 2048.10
file name: A501-bsec.DWG
drawn by: DK. checked by:
date: 09/18/06

Rev:	date:	description:

drawing title: BUILDING SECTIONS
building no: 0
drawing no: A5-1
drawing 24 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007 REFERENCE DOCUMENTS ONLY.



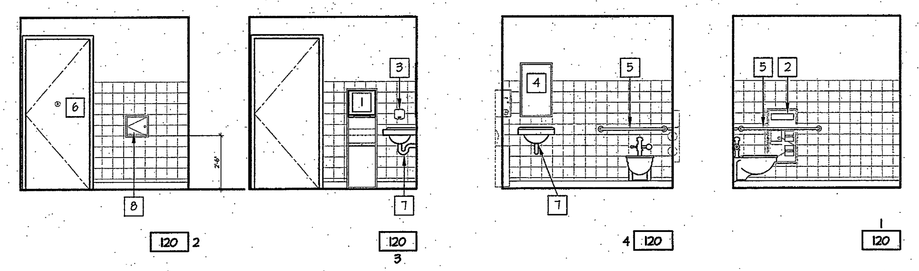
FRONT ELEVATION

PLAN

SEE FRONT ELEVATION

DRINKING FOUNTAIN ALCOVE

SCALE: 1/2" = 1'-0" | 3



ENLARGED CHANGING ROOM PLAN/INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0" | 120

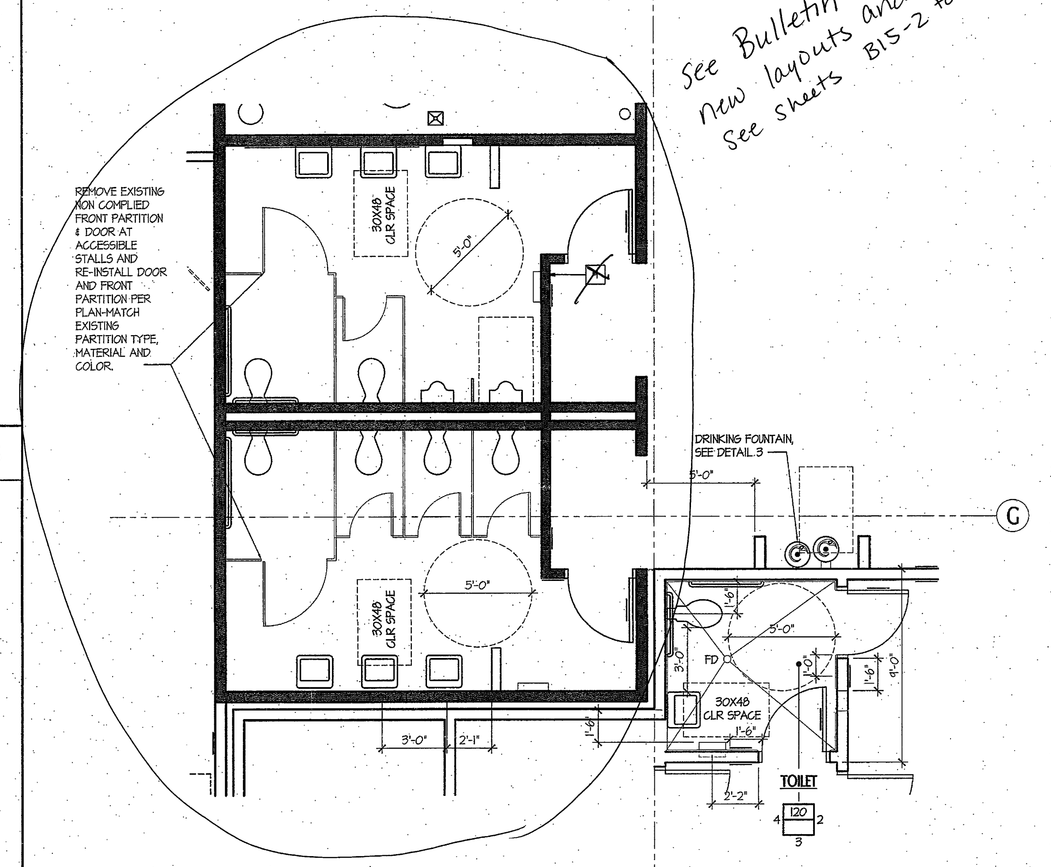
EXISTING RESTROOMS REQUIREMENTS

PROVIDE EXISTING TOILET ROOM MINIMUM UPGRADE TO MEET 2001 CBC FOR TOILET ROOMS WITH PERMIT APPLICATION PD LESS THAN 04-104540 THIS AR APPLICABLE TO SAN DIEGO REGIONAL OFFICE ONLY
PLANS MAY BE NECESSARY TO SHOW EVIDENCE OF UPGRADES NECESSARY
OR
PROVIDE EXISTING PLANS THAT DEMONSTRATE COMPLIANCE

VERIFY AND/OR PROVIDE THE FOLLOWING MINIMUM UPGRADES TO THE TOILET ROOMS:

1. ROOM IDENTIFICATION SIGNAGE AT ENTRY DOOR.
2. SELF CLOSING HINGE AT WHEELCHAIR ACCESSIBLE STALL DOOR.
3. SLIDE BOLT OR FLIP-OVER TYPE LATCH AT WHEELCHAIR ACCESSIBLE STALL DOOR.
4. LOOP OR U-SHAPED HIRE PULLS BOTH SIDES OF WHEELCHAIR ACCESSIBLE STALL DOOR 30" -40" A.F.F.
5. COAT HOOK AT 40" A.F.F. AT WHEELCHAIR ACCESSIBLE STALL.
6. RECESSED TOILET PAPER DISPENSER AT WHEELCHAIR ACCESSIBLE STALL, 9" MAS. PROJECTION
7. ENTRY DOOR OPERATING PRESSURE ADJUSTED TO 5 LBS MAXIMUM.
8. DISPENSERS/WASTE DISPOSAL BINS CANNOT PROJECT INTO CLEAR SPACE REQUIREMENTS FOR ANY FIXTURE.
9. DISPENSERS AND OTHER PROTRUDING ELEMENTS WITH LEADING EDGES BETWEEN 27" AND 80" A.F.F. WITHIN THE CIRCULATION SPACE, MAY NOT PROJECT MORE THAN 4" FROM THE WALL.
10. LOCATE THE WASTE DISPOSAL BIN (INDICATE SIZE) WHICH WILL NOT ENCROACH INTO ANY FIXTURE, MANEUVERING OR DOOR CLEARANCE REQUIREMENT.

See Bulletin #15 for new layouts and elevations See sheets B15-2 to B15-7



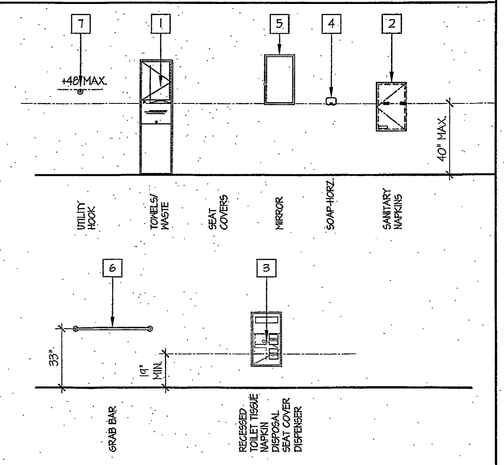
ENLARGED RESTROOM PLANS

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

TOILET ACCESSORY KEYNOTES

1. COMBINATION TOWEL DISPENSER/ WASTE RECEPTACLE, RECESSED
2. COMBO TOILET SEAT COVER DISP., TOILET TISSUE DISP., SAN. NAPKIN DISPOSAL, RECESSED
3. SOAP DISPENSER, HORIZONTAL WALL TANK
4. STAINLESS STEEL FRAMED MIRROR
5. GRAB BAR
6. UTILITY HOOK
7. UNDER LAVATORY GUARDS, MOLDED VINYL COVERING FOR SUPPLY AND DRAIN PIPING WITH FLIP TOPS AT VALVE TO ALLOW SERVICE ACCESS WITHOUT REMOVING COVERINGS (NO SHARP OR ABRASIVE SURFACES OR EDGES).
8. SPECIMEN PASS-THRU CABINET

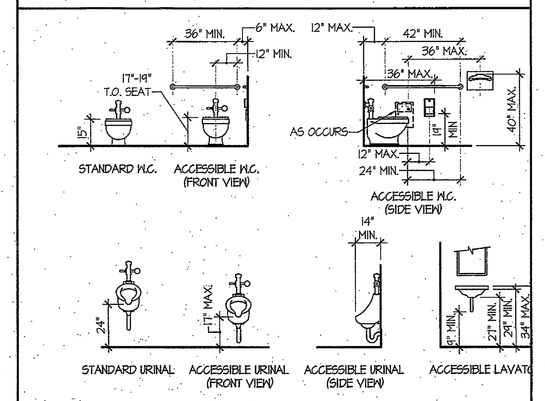
TOILET ACCESSORY MOUNTING HEIGHTS



NOTES:

1. MOUNTING HEIGHTS SHOWN ARE TYPICAL, UNLESS OTHERWISE NOTED.
2. ALL ACCESSORIES SHALL BE DISABLED ACCESSIBLE WITH A MAXIMUM REACH HEIGHT OF 40" ABOVE FINISH FLOOR. UNLESS NOTED OTHERWISE.
3. SLOPE FLOORS 1/8" PER FOOT MINIMUM AND 1/4" PER FOOT MAXIMUM, UNLESS NOTED OTHERWISE.
4. SEE ENLARGED TOILET PLAN AND INTERIOR ELEVATION DRAWINGS FOR TOILET ACCESSORY LOCATIONS

TOILET FIXTURE MOUNTING HEIGHTS



CLEARANCES OF FIXTURES & ACCESSORIES TO FINISHED SURFACE

ITEM	ADULT
TOILET CENTERLINE FROM WALL	18"
TOILET SEAT HEIGHT (AT SEAT LID)	17-19"
GRAB BAR HEIGHT (SIDE)	33"
TOILET PAPER (RECESSED) IN FRONT OF TOILET	12" MAX.
NAPKIN DISPOSAL (RECESSED) IN FRONT OF TOILET	12" MAX.
DISPENSER OR MIRROR HEIGHT	40" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.
LAVATORY/SINK KNEE CLEARANCE	24" MIN.
URINAL LIP HEIGHT	17" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.
DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.
RAMP/STAIR HANDRAIL HEIGHT	34"-38"

*DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP.

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

consultant

DSA REGISTRATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
ACCESS COMPLIANCE
DATE

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048.10

file name: A-701-etp.dwg

drawn by: CT checked by:

date: 04/18/06

Rev:	date:	description:

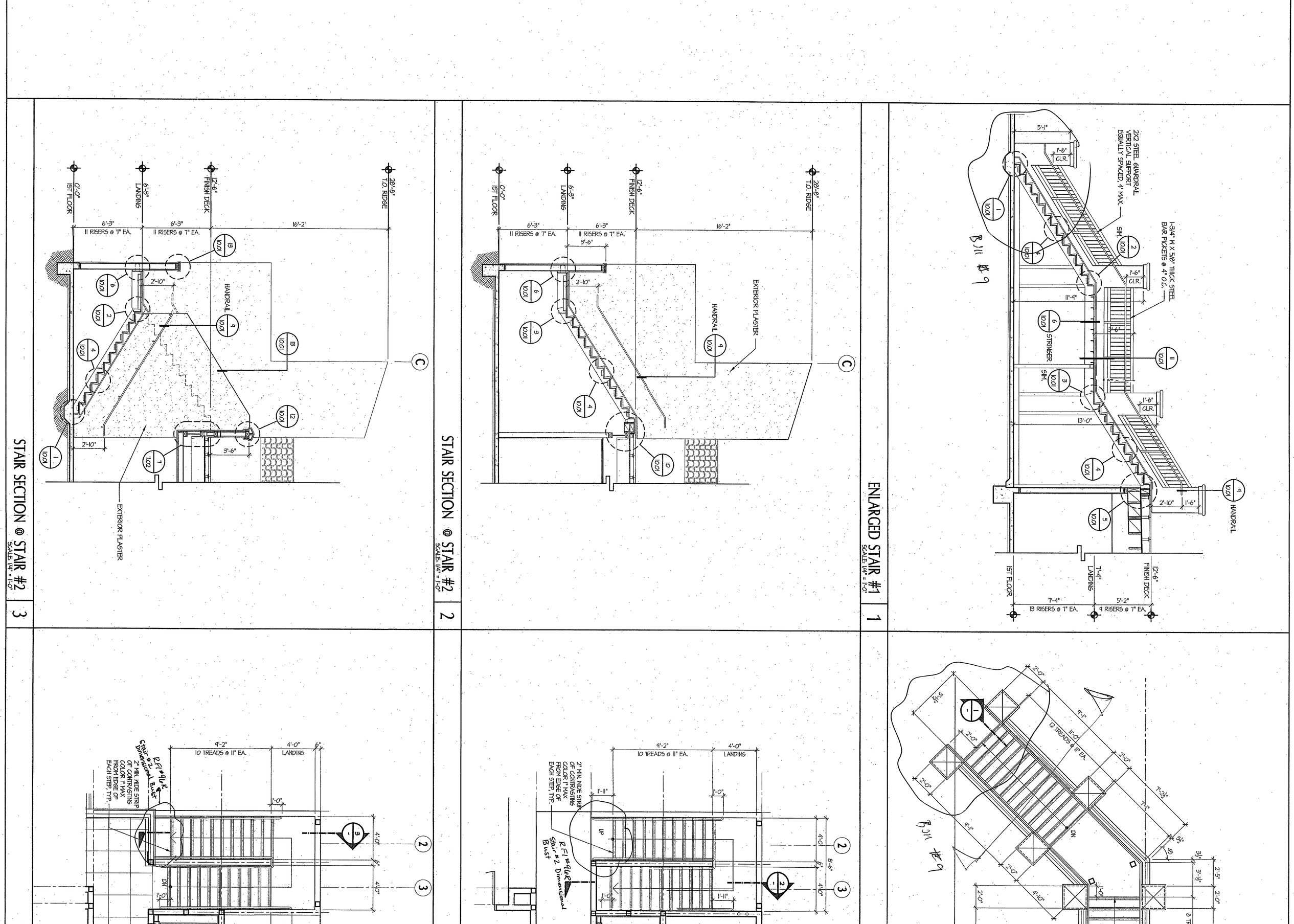
drawing title: ENLARGED TOILET PLAN

building no: 6

drawing no: A7.1

drawing 27 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MK-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY



San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 204940
file name: A702-STAIR.DWG
drawn by: DK checked by:
date: 04/18/06

Rev:	date:	description:

drawing title: building no:
ENLARGED STAIR PLANS AND SECTIONS

drawing no:
A7.2
drawing 26 of 109

agency

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
ACCEPTED FLS D SS DSA
DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

consultant

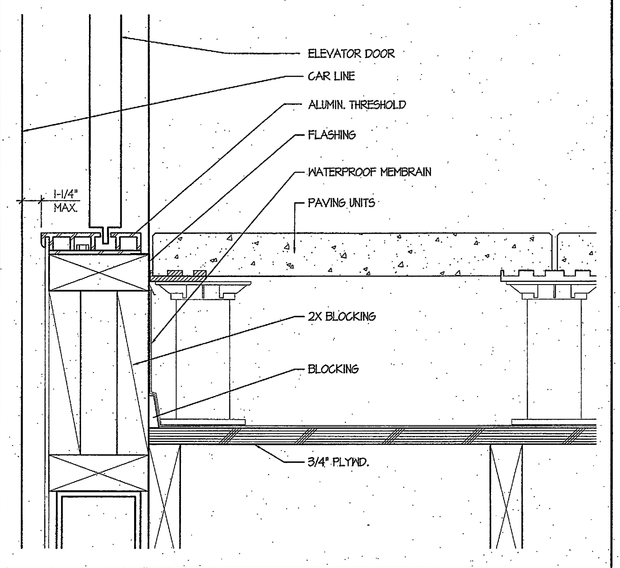
LICENSED ARCHITECT
JAMES M. McMURRAY
NO. C6225
REN. 8-31-07
STATE OF CALIFORNIA

architect

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

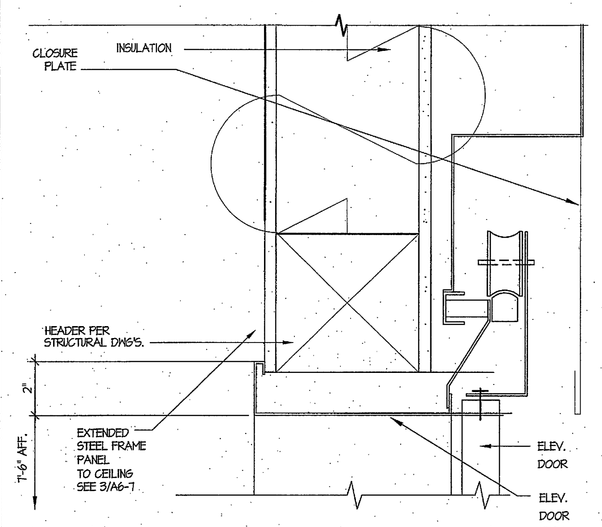
tBP
architecture
planning
interiors
management

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



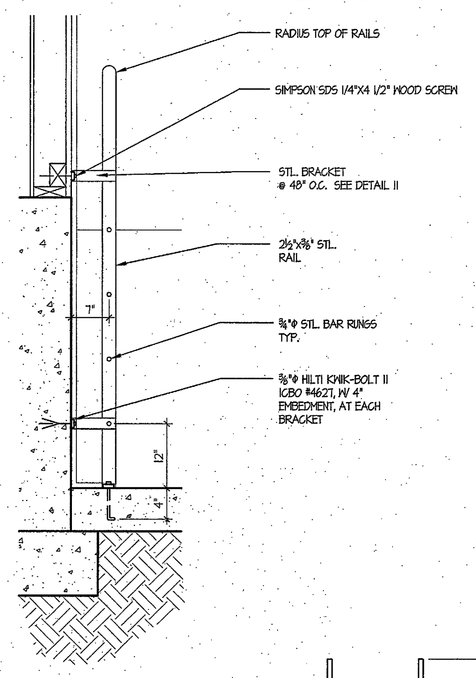
2ND FLOOR ELEVATOR THRESHOLD DETAIL | 1

SCALE: 3" = 1'-0"

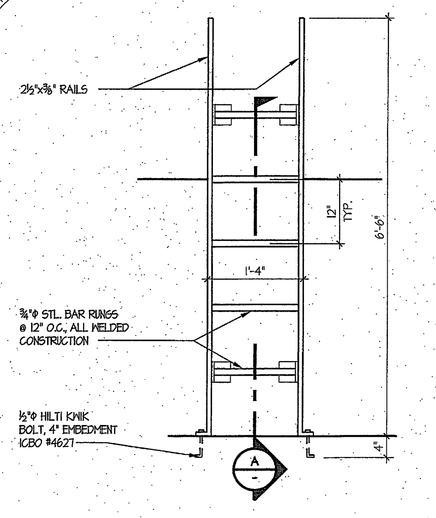


ELEVATOR HEADER DETAIL | 2

SCALE: FULL

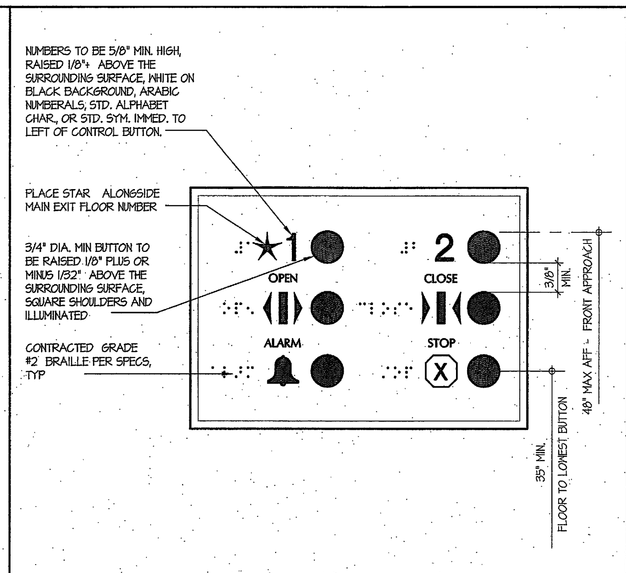


SECTION "A"



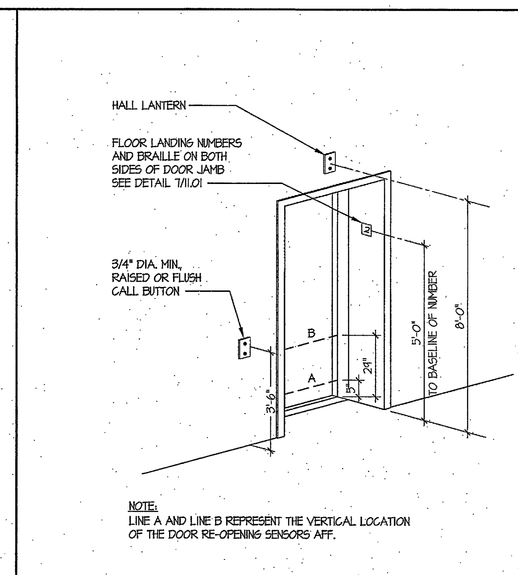
ELEVATOR JAMB DETAIL | 7

SCALE: FULL



ELEVATOR CONTROL PANEL | 4

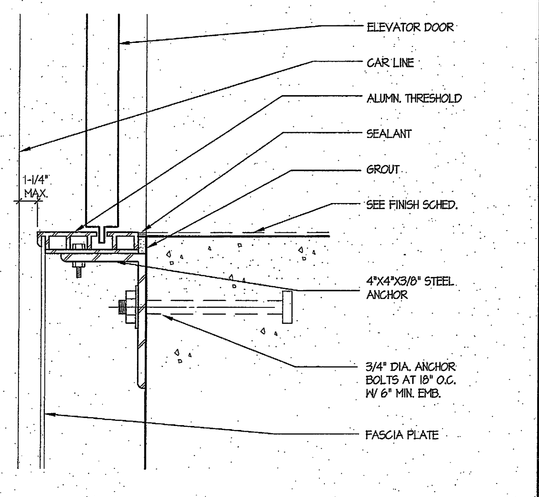
SCALE: NONE



NOTE:
LINE A AND LINE B REPRESENT THE VERTICAL LOCATION OF THE DOOR RE-OPENING SENSORS AFF.

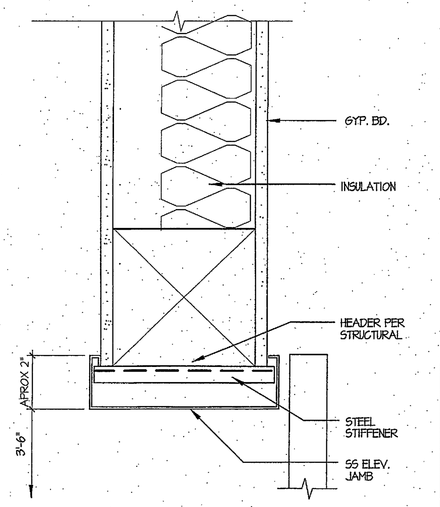
ELEVATOR CONTROLS & SIGNAGE | 5

SCALE: NONE



1ST FLOOR ELEVATOR THRESHOLD DETAIL | 6

SCALE: FULL

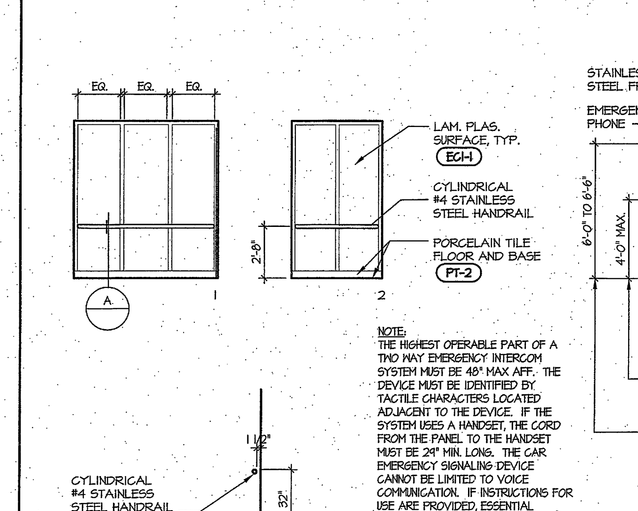


ELEVATOR JAMB DETAIL | 7

SCALE: FULL

ELEVATOR PIT LADDER DETAIL | 8

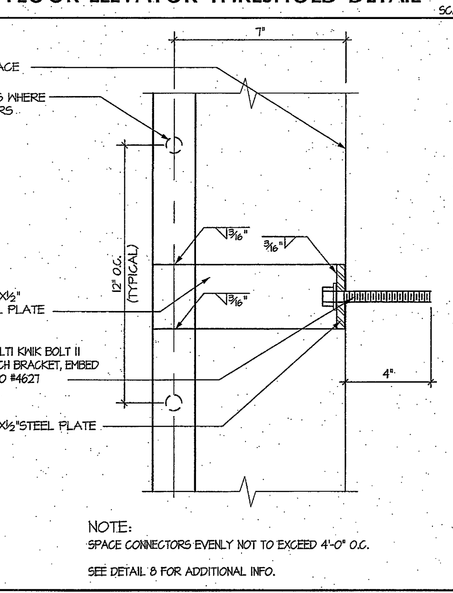
SCALE: 3/4" = 1'-0"



NOTE:
THE HIGHEST OPERABLE PART OF A TWO WAY EMERGENCY INTERCOM SYSTEM MUST BE 48" MAX AFF. THE DEVICE MUST BE IDENTIFIED BY TACTILE CHARACTERS LOCATED ADJACENT TO THE DEVICE. IF THE SYSTEM USES A HANDSET, THE CORD FROM THE PANEL TO THE HANDSET MUST BE 24" MIN LONG. THE CAR EMERGENCY SIGNALING DEVICE CANNOT BE LIMITED TO VOICE COMMUNICATION. IF INSTRUCTIONS FOR USE ARE PROVIDED, ESSENTIAL INFORMATION MUST BE PRESENTED IN BOTH TACTILE AND VISUAL FORM.

ELEVATOR CAB ELEVATIONS | 10

SCALE: FULL

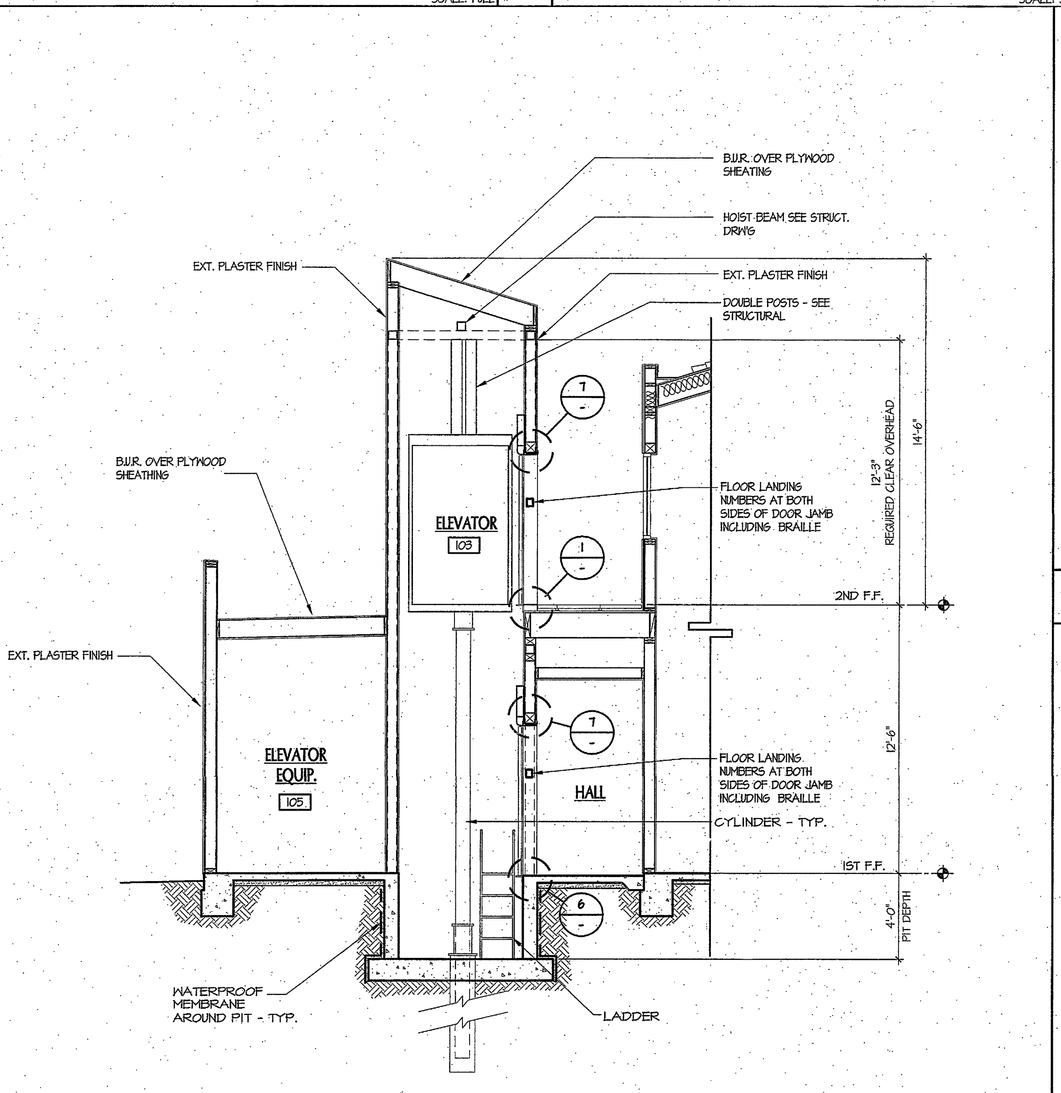


NOTE:
SPACE CONNECTORS EVENLY NOT TO EXCEED 4'-0" O.C.

SEE DETAIL B FOR ADDITIONAL INFO.

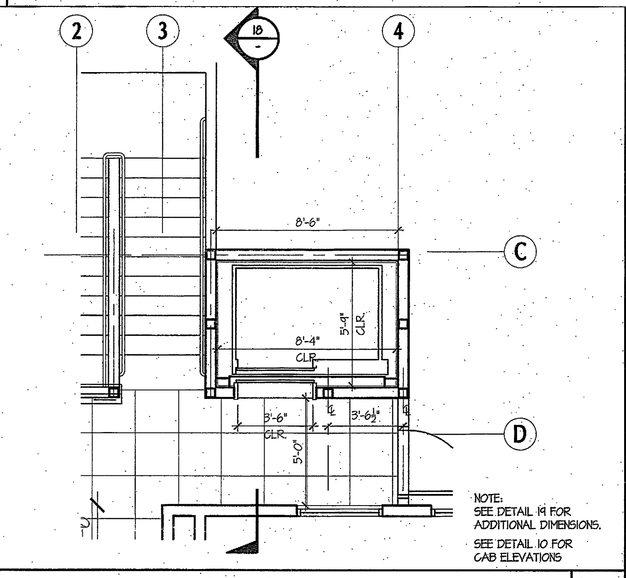
LADDER ATTACHMENT DETAIL | 11

SCALE: 3" = 1'-0"



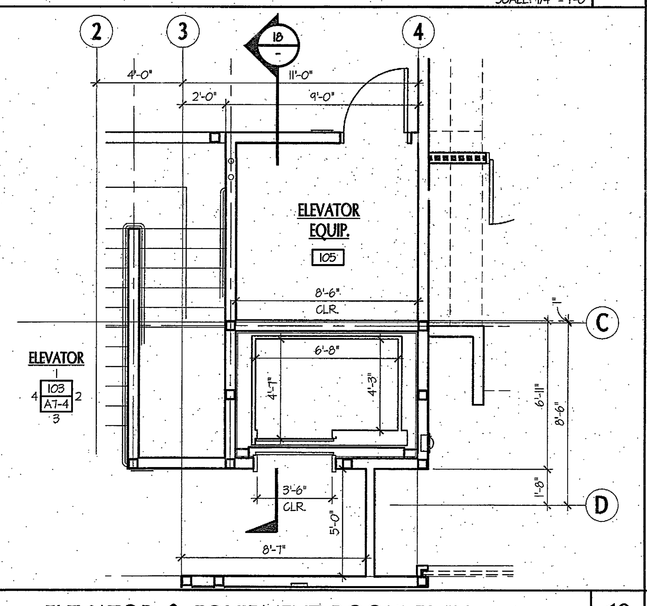
ELEVATOR SECTION | 18

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



2ND FLOOR ELEVATOR PLAN | 14

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



ELEVATOR & EQUIPMENT ROOM PLAN | 19

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

PASSENGER ELEVATOR REQUIREMENTS, TYPICAL FOR ALL ELEVATORS CHAPTER 11B, 2001 CA. BUILDING CODE

GENERAL - SIZE OF CAB AND CONTROL LOCATIONS ARE REQUIRED TO ACCOMMODATE PERSONS WITH DISABILITIES. IN BUILDINGS TWO OR MORE STORIES IN HEIGHT, SERVED BY AN ELEVATOR, OR A BUILDING SERVED BY AN ELEVATOR REQUIRED BY CHAPTER 11, OR A BUILDING SERVED BY AN ELEVATOR REQUIRED FOR ACCESSIBILITY BY SECTION 1011.7, ALL ELEVATORS PROVIDED SHALL ACCOMODATE A WHEELCHAIR. (1116B.1.1)

THE ELEVATOR SHALL BE PROVIDED WITH A SELF-LEVELING DEVICE THAT WILL BRING THE CAR TO THE FLOOR LANDINGS WITHIN A TOLERANCE OF 1/2 INCH (12.7MM) UNDER NORMAL LOADING AND UNLOADING CONDITIONS. THE CLEARANCE BETWEEN THE CAR PLATFORM SILL AND THE EDGE OF THE HOISTWAY LANDING SHALL BE NO GREATER THAN 1 1/4 INCHES (32MM). (1116B.1.2)

MINIMUM CLEAR WIDTH FOR ELEVATOR DOORS SHALL BE 36 INCHES. (1116B.1.4)

DOORS CLOSED BY AUTOMATIC MEANS SHALL BE PROVIDED WITH A DOOR-REOPENING DEVICE THAT WILL FUNCTION TO STOP AND REOPEN A CAR DOOR AND ADJACENT HOISTWAY DOOR IN CASE THE CAR DOOR IS OBSTRUCTED WHILE CLOSING. THIS DEVICE SHALL BE CAPABLE OF SENSING AN OBJECT OR PERSON IN THE PATH OF A CLOSING DOOR WITHOUT REQUIRING CONTACT FOR ACTIVATION AT A NOMINAL 5 INCHES AND 24 (127MM AND 1371MM) INCHES ABOVE THE FLOOR. (1116B.1.5)

PROVIDE MINIMUM ACCEPTABLE TIME FROM NOTIFICATION THAT A CAR IS ANSWERING A CALL (LANTERN AND AUDIBLE SIGNAL) UNTIL THE DOORS OF THE CAR START TO CLOSE USING FORMULA GIVEN IN SECTION 1116B.1.6

THE MINIMUM ACCEPTABLE TIME FOR THE DOORS TO REMAIN OPEN SHALL BE NOT LESS THAN FIVE SECONDS. (1116B.1.7)

THE CAR INSIDE SHALL ALLOW FOR THE TURNING OF A WHEELCHAIR. THE MINIMUM CLEAR DISTANCE BETWEEN WALLS OR BETWEEN WALL AND DOOR, EXCLUDING RETURN PANELS, SHALL BE NOT LESS THAN 80 INCHES BY 54 INCHES (1727MM BY 1372MM) FOR SIDE-SLIDE OPENING DOORS. SEE 1998 CBC FIGURE 30-A. THE CENTERLINE OF ELEVATOR FLOOR BUTTONS SHALL BE NO HIGHER THAN 54 INCHES (1372MM) ABOVE THE FINISH FLOOR FOR SIDE APPROACH AND 48 INCHES (1219MM) FOR FRONT APPROACH. (1116B.1.8)

FLOOR BUTTONS SHALL BE PROVIDED WITH VISUAL INDICATORS TO SHOW WHEN EACH CALL IS REGISTERED. THE VISUAL INDICATORS SHALL BE EXTINGUISHED WHEN EACH CALL IS ANSWERED. (1116B.1.8)

THE EMERGENCY TELEPHONE HANDSET SHALL BE POSITIONED NO HIGHER THAN 4 FEET (1219MM) ABOVE THE FLOOR, AND THE HANDSET CORD SHALL BE A MINIMUM OF 2 FEET 5 (737MM) INCHES IN LENGTH. IF THE TELEPHONE SYSTEM IS LOCATED IN A CLOSED COMPARTMENT, THE COMPARTMENT DOOR HARDWARE SHALL BE LEVER TYPE CONFORMING TO THE PROVISIONS OF SECTION 1133B.2.5.2 TYPE OF LOCK OR LATCH. (1116B.1.8)

PASSENGER ELEVATOR CAR CONTROLS SHALL HAVE A MINIMUM DIMENSION OF 3/4 INCH (11.1MM) AND SHALL BE RAISED 1/8 INCH (3.2MM) PLUS OR MINUS 1/32 INCH (0.2MM) ABOVE THE SURROUNDING SURFACE. (1116B.1.9)

CONTROL BUTTONS SHALL BE ILLUMINATED, SHALL HAVE SQUARE SHOULDERS, AND SHALL BE ACTIVATED BY A MECHANICAL MOTION THAT IS DETECTABLE. ALL CONTROL BUTTONS SHALL BE DESIGNATED BY A 5/8-INCH-MINIMUM (15.9MM) ARABIC NUMERAL, STANDARD ALPHABET CHARACTER, OR STANDARD SYMBOL IMMEDIATELY BELOW THE NUMERAL, CHARACTER OR SYMBOL. A MINIMUM CLEAR SPACE OF 3/8 INCH (9.5MM) OR OTHER SUITABLE MEANS OF SEPARATION SHALL BE PROVIDED BETWEEN ROWS OF CONTROL BUTTONS. SEE FIGURE 11A-B, 2001 CBC. THE RAISED CHARACTERS SHALL BE WHITE ON A BLACK BACKGROUND. (1116B.1.9)

CONTROLS AND EMERGENCY EQUIPMENT IDENTIFIED BY RAISED SYMBOLS SHALL INCLUDE, BUT NOT BE LIMITED TO, DOOR OPEN, DOOR CLOSE, ALARM BELL, EMERGENCY STOP AND TELEPHONE. THE CALL BUTTON FOR THE MAIN ENTRY FLOOR SHALL BE DESIGNATED BY A RAISED STAR AT THE LEFT OF THE FLOOR DESIGNATION. (1116B.1.9)

THE CENTERLINE OF THE HALL CALL BUTTON SHALL BE WITHIN 42 INCHES (1067MM) OF THE FLOOR. BUTTONS SHALL BE A MINIMUM OF 3/4 INCH (19.1MM) IN SIZE AND SHALL BE RAISED 1/8 INCH (3.2MM) PLUS OR MINUS 1/32 INCH (0.2MM) ABOVE SURROUNDING SURFACE. VISUAL INDICATION SHALL BE PROVIDED TO SHOW EACH CALL REGISTERED AN EXTINGUISHED WHEN ANSWERED. OBJECTS ADJACENT TO, AND BELOW, HALL CALL BUTTONS SHALL NOT PROJECT MORE THAN 4 INCHES (102MM) FROM THE WALL. (1116B.1.10)

THE MINIMUM ILLUMINATION AT THE CAR CONTROLS, THRESHOLD AND THE LANDING WHEN THE CAR AND LANDING DOORS ARE OPEN SHALL NOT BE LESS THAN 5 FOOT-CANDLES (54lX). (1116B.1.12)

A VISUAL AND AUDIBLE SIGNAL SHALL BE PROVIDED AT EACH HOISTWAY ENTRANCE INDICATING TO THE PROSPECTIVE PASSENGER THE CAR ANSWERING THE CALL AND ITS DIRECTION OF TRAVEL AS FOLLOWS: THE VISUAL SIGNAL FOR EACH DIRECTION SHALL BE A MINIMUM OF 2 1/2 INCHES(64MM) HIGH BY 2 1/2 (64MM) WIDE AND BE VISIBLE FROM THE PROXIMITY OF THE HALL CALL BUTTON. THE AUDIBLE SIGNAL SHALL SOUND ONCE FOR THE UP DIRECTION AND TWICE FOR THE DOWN DIRECTION OR OF A CONFIGURATION THAT DISTINGUISHES BETWEEN UP AND DOWN ELEVATOR TRAVEL. THE CENTERLINE OF THE FIXTURE SHALL BE LOCATED A MINIMUM OF 6 FEET (1829MM) IN HEIGHT FROM THE FLOOR OF THE LOBBY. THE USE OF IN-CAR LANTERNS, LOCATED IN OR ON THE CAR DOOR JAMBS, VISIBLE FROM PROXIMITY OF THE HALL CALL BUTTONS AND CONFORMING TO THE ABOVE REQUIREMENTS SHALL OR WILL BE ACCEPTABLE. THE USE OF ARROW SHAPES IS PREFERRED FOR VISIBLE SIGNALS. (1116B.1.14)

PASSENGER ELEVATOR LANDING JAMBS ON ALL ELEVATOR FLOORS SHALL HAVE THE NUMBER OF THE FLOOR ON WHICH THE JAMB IS LOCATED DESIGNATED BY RAISED ARABIC NUMERALS, WHICH ARE A MINIMUM OF 2 INCHES (51 MM) IN HEIGHT AND CONFORM TO SECTION 1117B.5.3, AND GRADE 2 BRAILLE THAT CONFORMS TO SECTION 1117B.5.6 LOCATED AT 5 FEET (1524 MM) ABOVE THE FLOOR ON THE JAMB PANELS ON BOTH SIDES OF THE DOOR SO THAT THEY ARE VISIBLE FROM WITHIN THE ELEVATOR. RAISED BRAILLE SYMBOLS SHALL BE PLACED BELOW THE CORRESPONDING ARABIC NUMERALS. THE RAISED CHARACTERS SHALL BE ON A CONTRASTING BACKGROUND. SEE FIGURE 11A-B. (1116B.1.15)

PASSENGER ELEVATORS SHALL BE LOCATED NEAR A MAJOR PATH OF TRAVEL AND PROVISIONS SHALL BE MADE TO ENSURE THAT THEY REMAIN ACCESSIBLE AND USABLE AT ALL TIMES THE BUILDING IS OCCUPIED. (1116B.1.16)

PASSENGER ELEVATOR REQUIREMENTS | 20

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

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

consultant

DSA/SS APPROVAL STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC_Arc_RS 05 SS
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

owner

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

tBP project number : 2048.10
file name: A-703-EEP.DWG
drawn by: CT checked by: PM
date: 09/18/06

Rev:	date:	description:

drawing title: ENLARGED ELEVATOR PLANS & SECTIONS

building no.:

drawing no.: A7.3

drawing 27 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

tBP project number : 30490.10

file name: A-080-INT.DWG

drawn by: GT checked by: PM

date: 04/18/06

key date description

drawing title: INTERIOR ELEVATIONS

drawing no: A8-1

drawing 28 of 107

owner

agency

DSA APPROVED
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
SEP 28 2006

consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

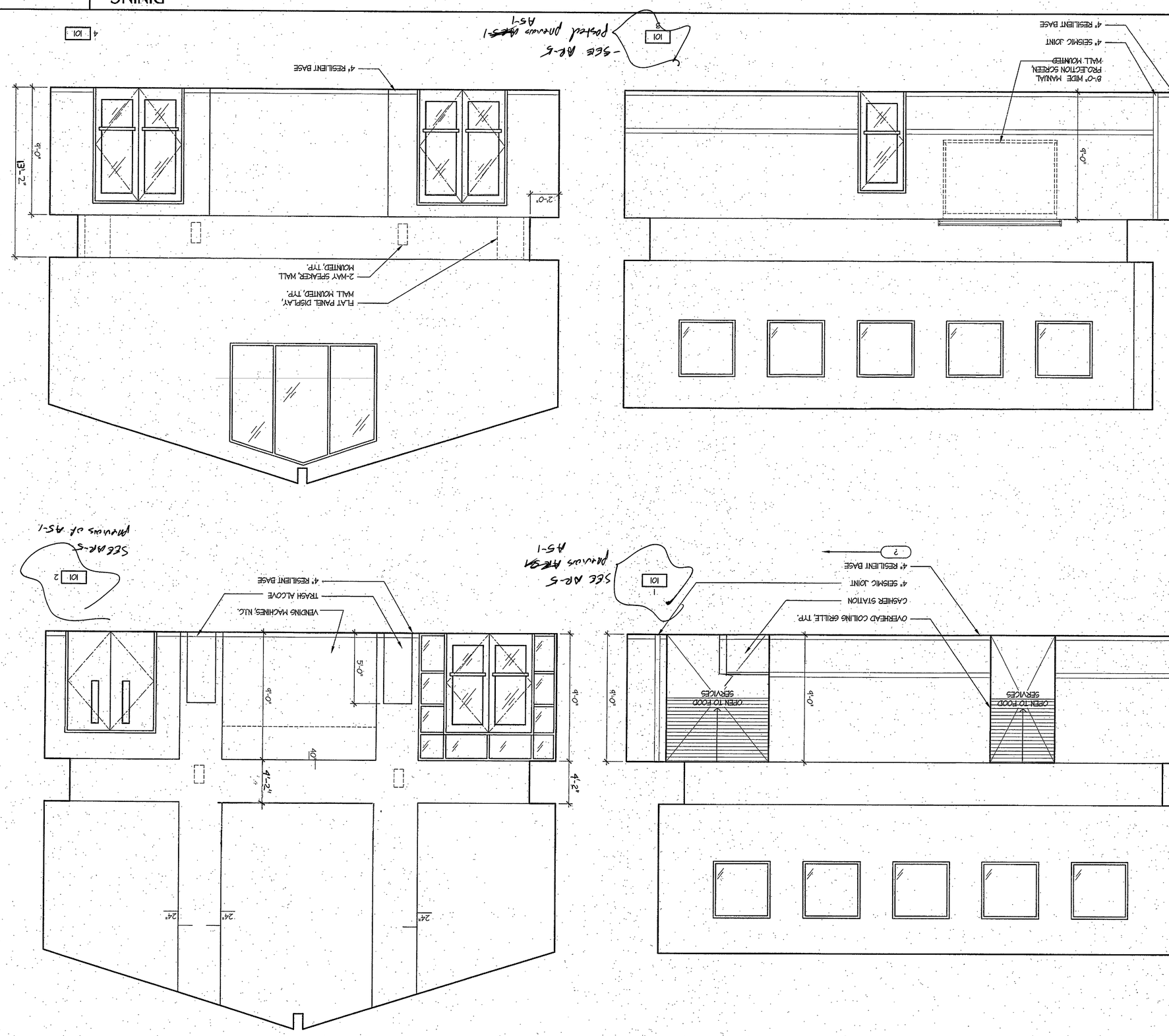
architect

tBP/Architecture
2300 Newport boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architecture
planning
interiors
management

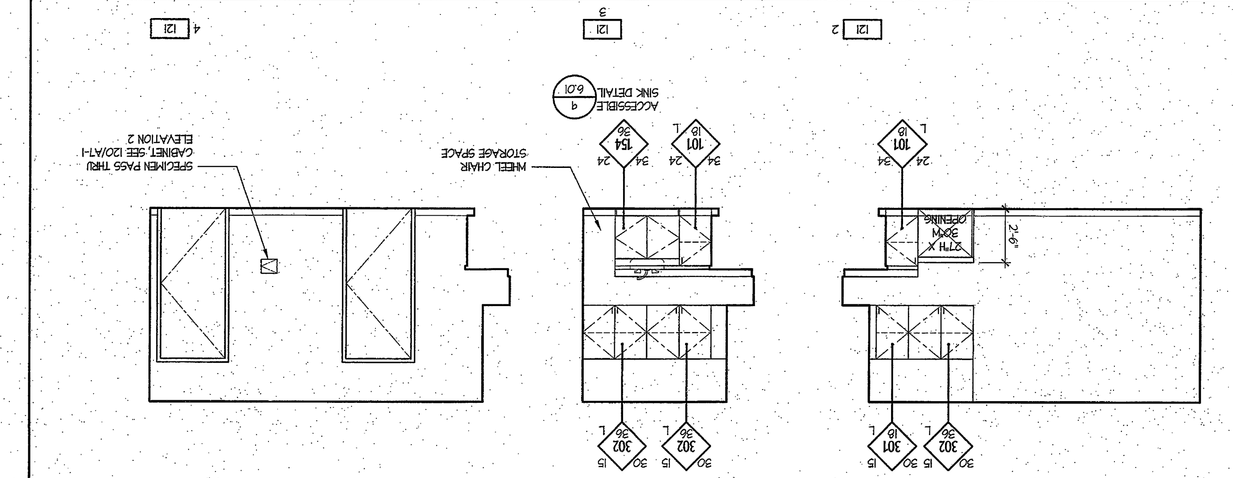
101 DINING

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



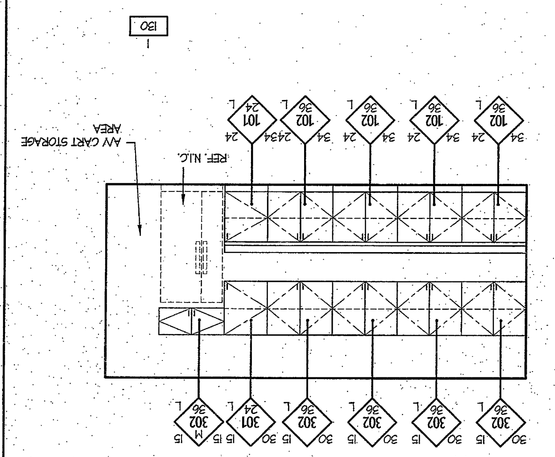
121 EXAM

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



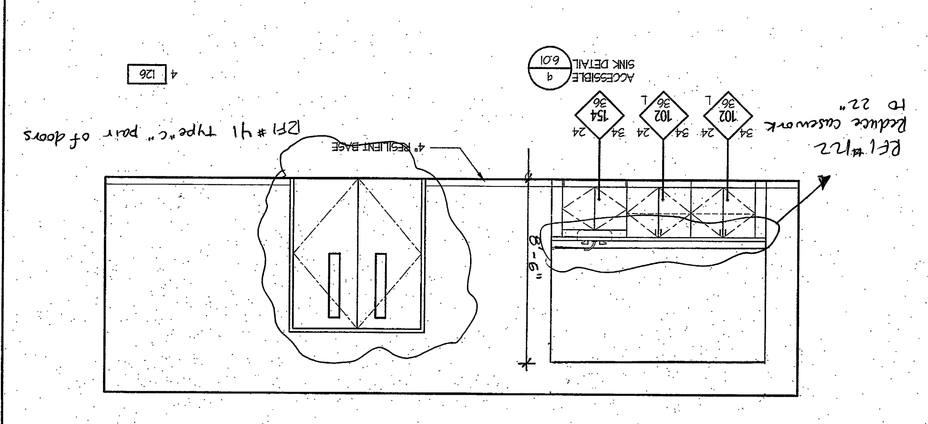
130 STUDENT ORGANIZATION

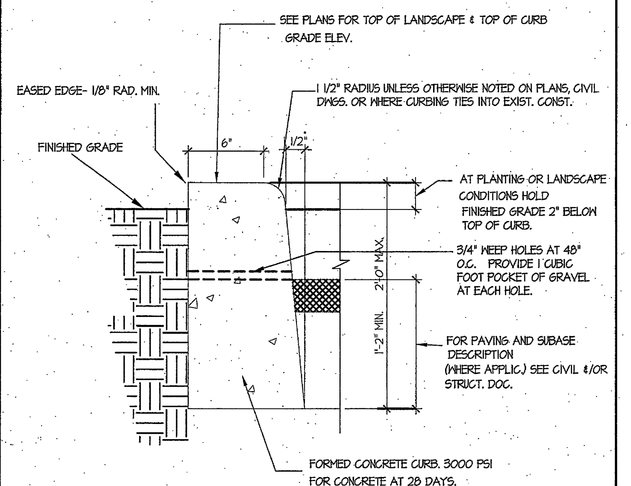
SCALE: 1/4" = 1'-0"



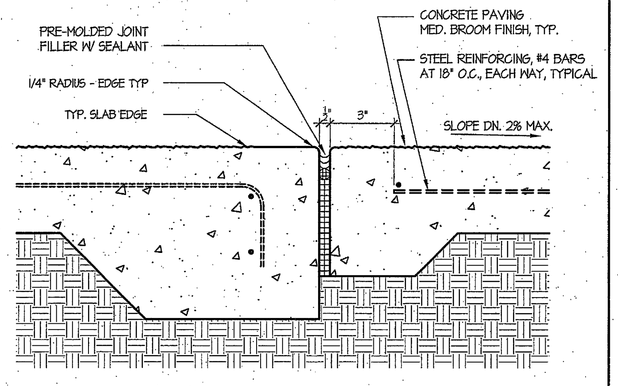
126 CONFERENCE 7A?

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

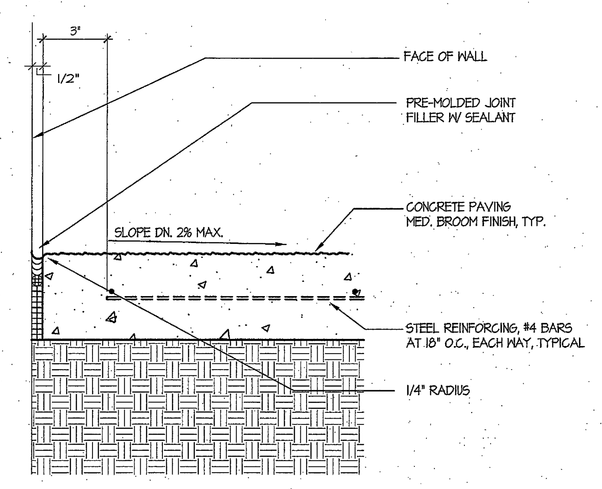




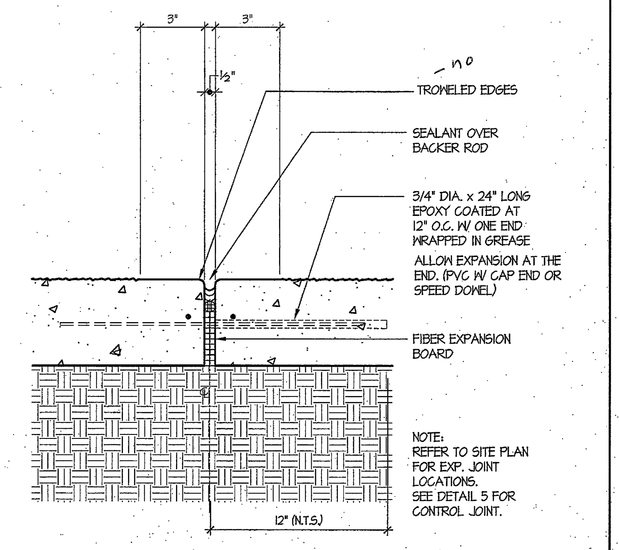
CURB @ LANDSCAPE/SIDEWALK N.T.S. | 1



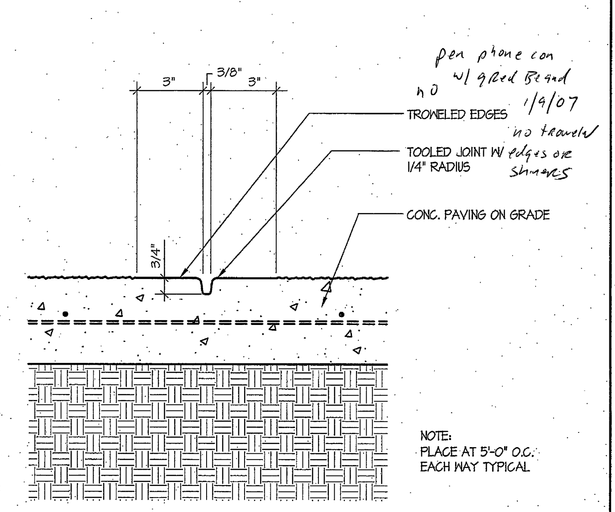
EDGE OF CONCRETE PAVING @ PATIO SCALE: 3" = 1'-0" | 2



EDGE OF CONCRETE PAVING AT BUILDING SCALE: 3" = 1'-0" | 3



TYPICAL EXPANSION JOINT SCALE: 3" = 1'-0" | 4



TYPICAL CONTROL JOINT SCALE: 3" = 1'-0" | 5

t.BP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

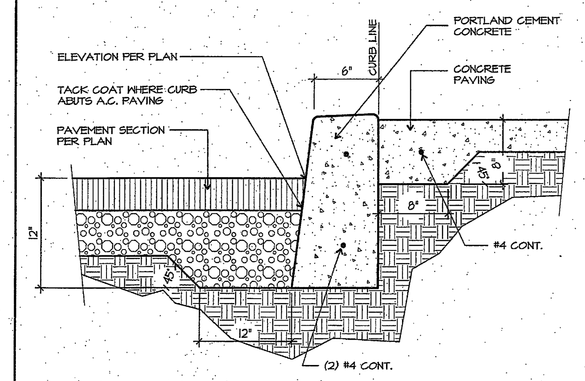
architect

consultant

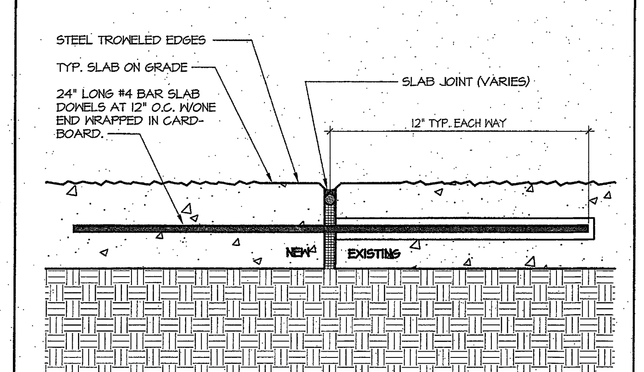
Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca. 92127
ph: 858.674.5400 fx: 858.674.5471

agency

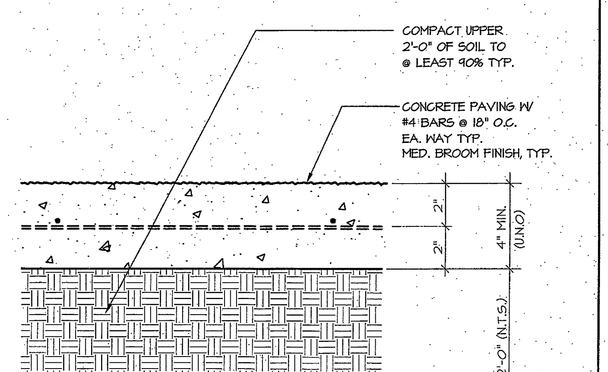
DSA APPROVED
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
KC ARC RS CT SS DSA
DATE - SEP 2 9 2006



A.C. PAVING @ CONCRETE CURB SCALE: 1" = 1'-0" | 7

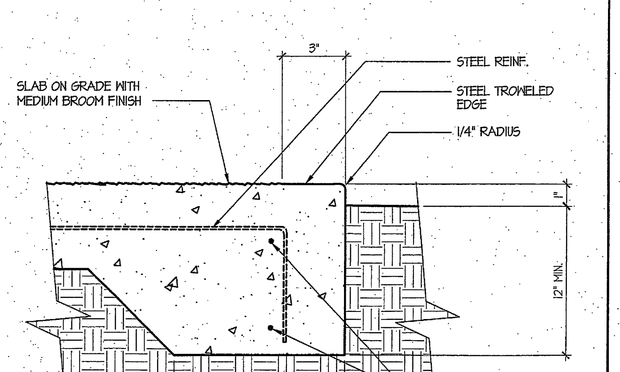


SLAB DOWEL DETAIL SCALE: 3" = 1'-0" | 8

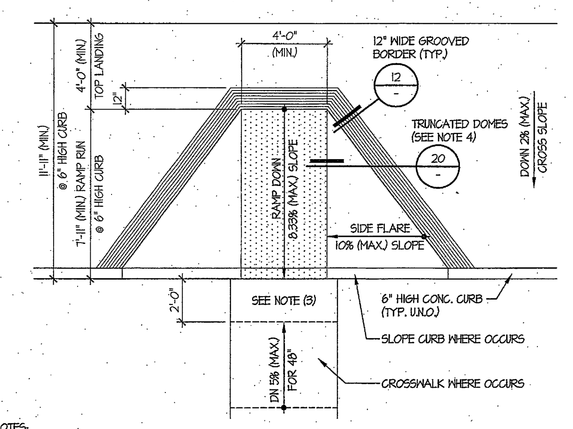


* CHECK SOIL REPORT

TYPICAL CONCRETE SIDEWALK ON GRADE SCALE: 3" = 1'-0" | 9

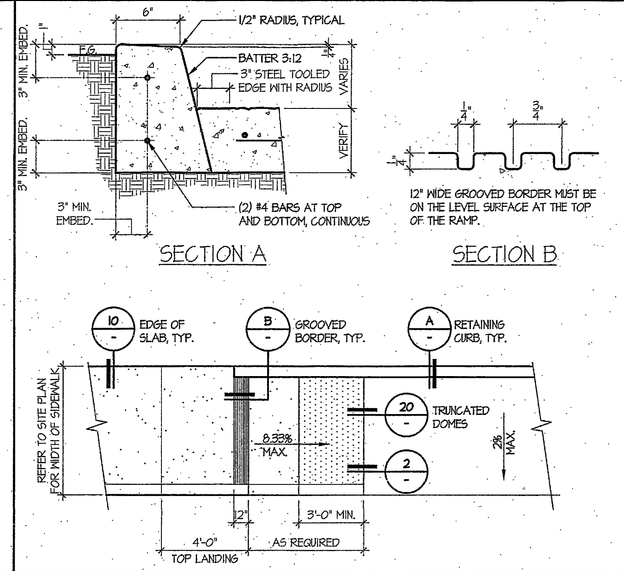


TYPICAL SLAB EDGE SCALE: 3" = 1'-0" | 10

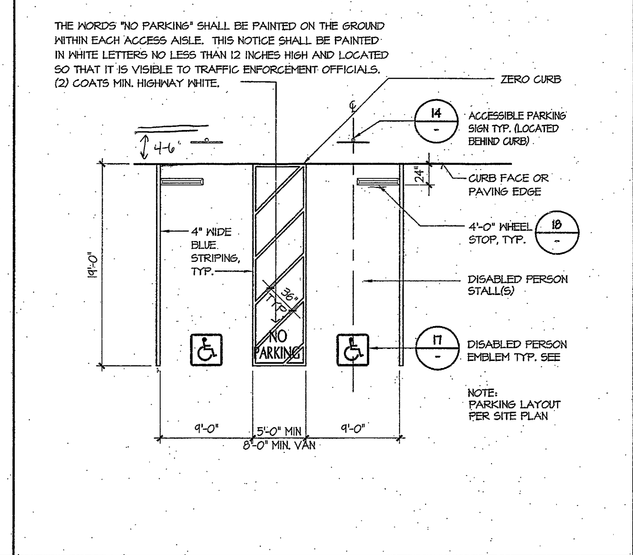


NOTES:
1. CURB RAMPS MAY NOT PROJECT INTO VEHICULAR TRAFFIC LANES OR INTO THE 18' LONG ACCESS AISLE OF ACCESSIBLE PARKING STALL
2. SIDE FLARE SLOPE MAY BE 8.33% IF TOP LANDING IS LESS THAN 48" (REQUIRES DSA APPROVAL)
3. PROVIDE A 24" WIDE LEVEL AREA AT THE BOTTOM OF THE RAMP WHEN THE DIFFERENCE OF THE OPPOSING SLOPES IS GREATER THAN 11%
4. PROVIDE MIN 36" WIDE INLINE TRUNCATED DOMES AT RAMP SURFACE (EXCLUDING SIDE FLARES) WHEN SERVING CROSSWALKS

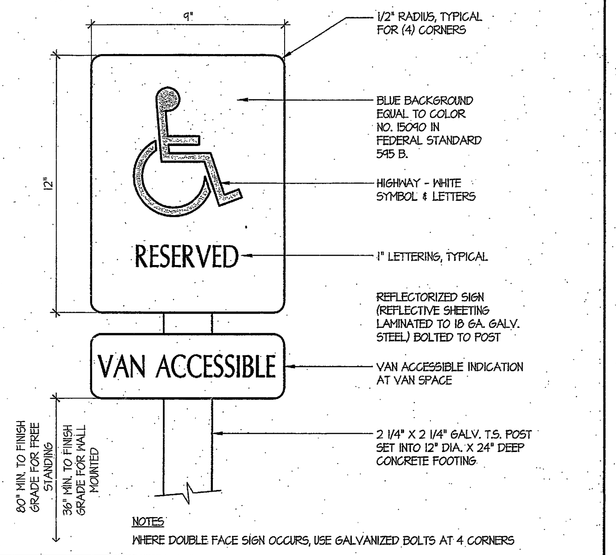
TYP. CURB-CUT RAMP AT 6" HIGH CRB SCALE: 1/4" = 1'-0" | 11



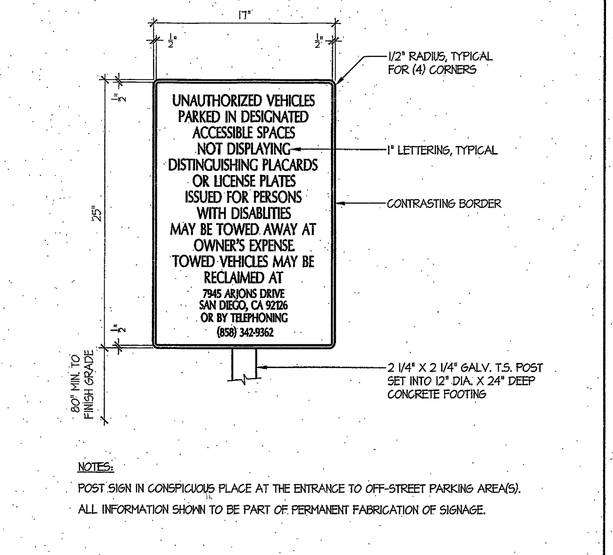
CURB-CUT RAMP SCALE: 1/4" = 1'-0" | 12



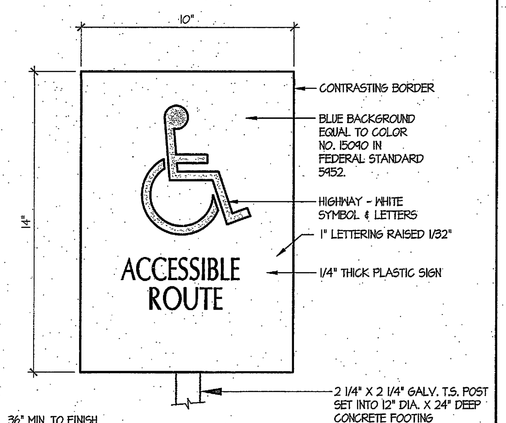
ACCESSIBLE PARKING SPACE SCALE: 1/8" = 1'-0" | 13



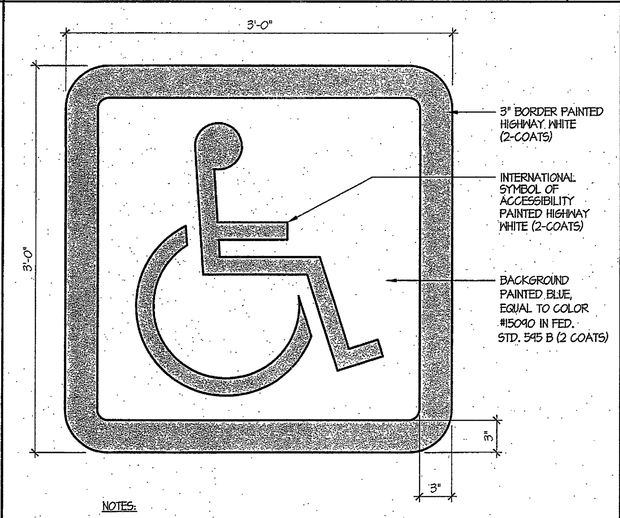
PARKING SPACE SIGNAGE SCALE: 3" = 1'-0" | 14



(E) UNAUTHORIZED VEHICLE SIGNAGE SCALE: 1-1/2" = 1'-0" | 15

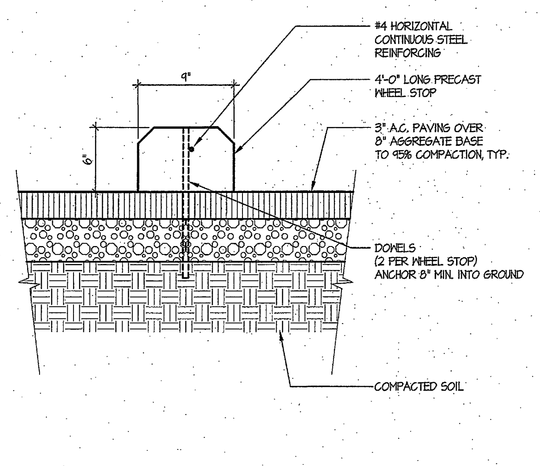


DIRECTIONAL SIGNAGE SCALE: 3" = 1'-0" | 16

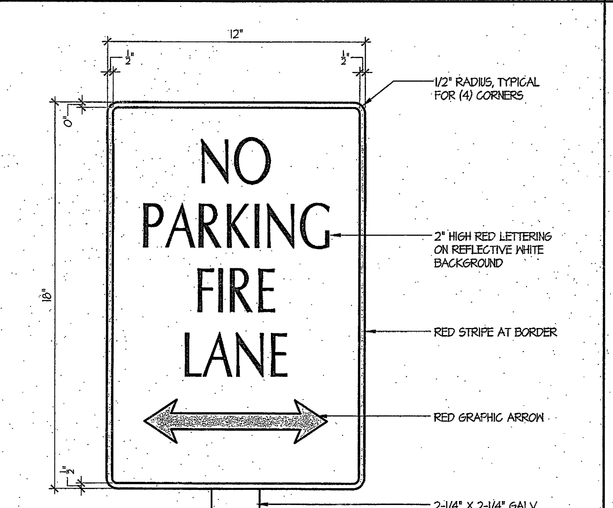


NOTES:
SYMBOL SHALL BE LOCATED SUCH THAT IT IS VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE STALL.

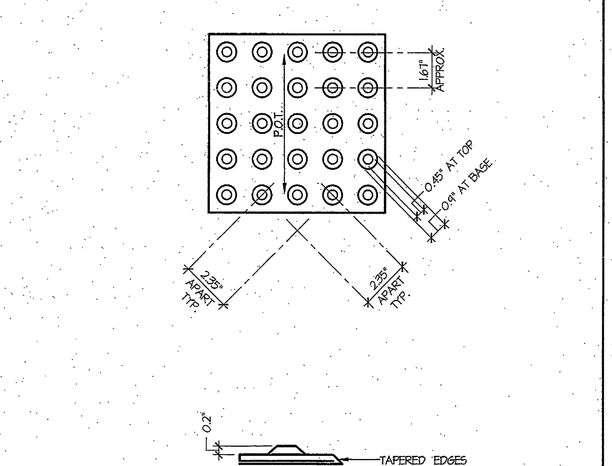
ACCESSIBLE PARKING SYMBOL SCALE: 1-1/2" = 1'-0" | 17



CONCRETE WHEEL STOP SCALE: 1½" = 1'-0" | 18



FIRE LANE SIGNAGE SCALE: 3" = 1'-0" | 19



IN-LINE TRUNCATED DOMES SCALE: 3" = 1'-0" | 20

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048.10
file name: DTL-020LDNG
drawn by: CT. checked by:
date: 09/18/06

Rev.	date:	description:

drawing title: SITE DETAILS
building no.:
drawing no: 2.01
drawing 29 of 107

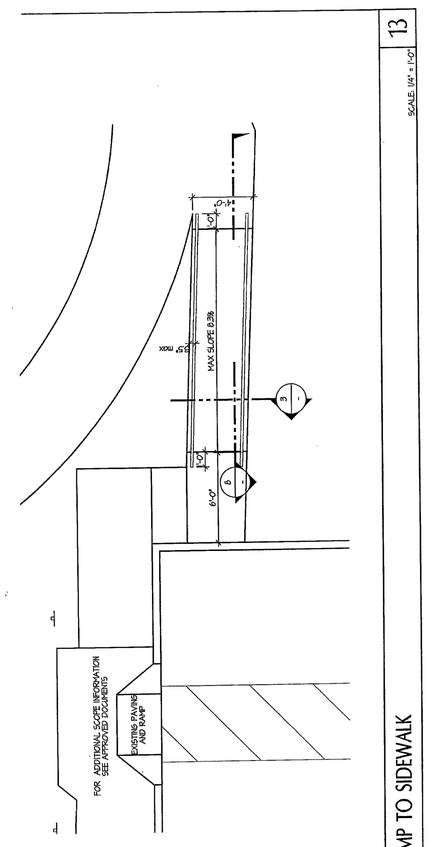
SAN B400 & B900 BUILDING RENOVATIONS. Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

San Elijo Sudent Center Remodel
MiraCostа College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

tBP architecture planning interiors management

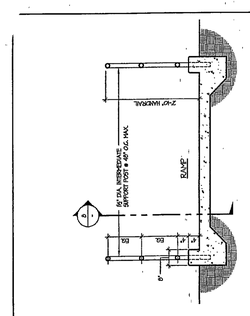
BULLETIN NO. 1	
DATE: 12/15/06	
DSA NO. 04-107979	
THIS REVISES IN PART	
SHEET: 2.02	
SHEET:	BI-1



RAMP TO SIDEWALK

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

13

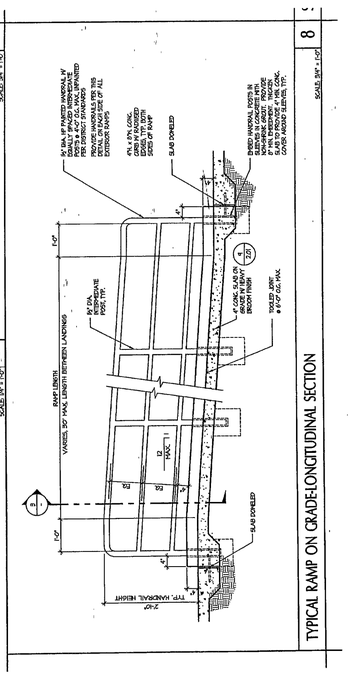


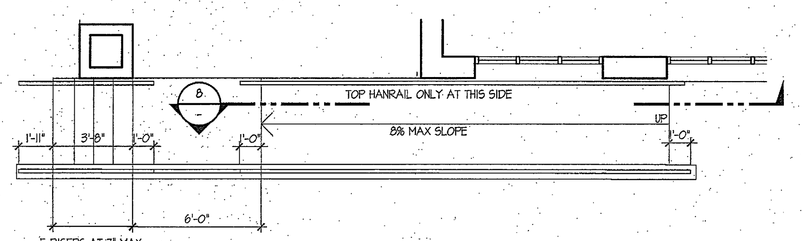
SCALE: 1/4" = 1'-0"

2 TYPICAL RAMP ON GRADE-CROSS SECTION

SCALE: 3/4" = 1'-0"

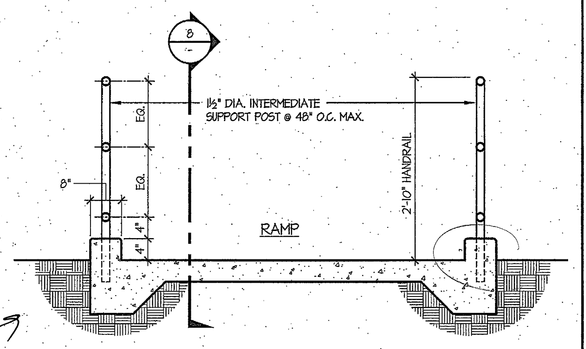
3


RAMP LENGTH VARIES, 150' MAX. LENGTH BETWEEN LANDINGS
36" DIA. INTERMEDIATE POST, TYP.
36" DIA. 18 GA. PAINTED HANDRAIL W/ SMOOTH RETURNS AT ENDS, SUPPORTED POSTS @ 4'-0" O.C. MAX., SEPARATED FROM GUARDRAILS PER 1013.3
PROVIDE HANDRAILS PER 1013 ON BOTH SIDES OF ALL EXTERIOR RAMPS
4"H. x 1/4" V. EXPL. GRID W/ CHAMFERED EDGES ON TOP SIDES OF RAMP
SLAB DOWELED
EMBED HANDRAIL POSTS IN SLEEVES AT CONCRETE FOOTING. SLEEVES SHALL BE 4" DIA. MIN. AND 8" MIN. EMBEDMENT. 4" MIN. CONC. COVER ABOVE SLEEVES, TYP.
4" CONC. SLAB ON GRADE W/ #4 BARS @ 18" O.C. EACH WAY
SAWCUT JOINT @ 6'-0" O.C. MAX.
2'-10"
FFF. HANDRAIL HEIGHT
SLAB DOWELED
1'-0"
1'-0"
5'-0"
MAX.
1:12
1:12
1:12



RAMP TO DINNING AREA

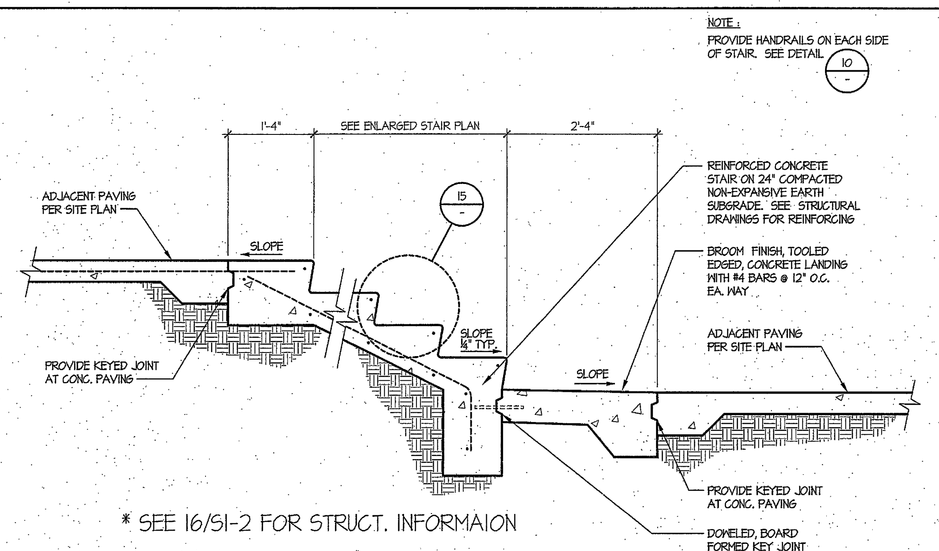
SCALE: 1/4" = 1'-0" 2



SEE 16/A2-2 H.S

TYPICAL RAMP ON GRADE-CROSS SECTION

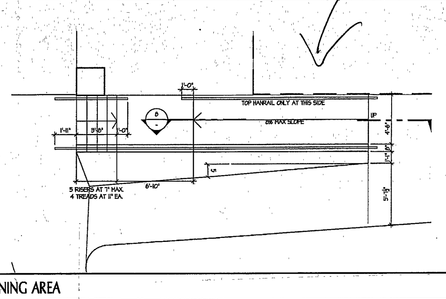
SCALE: 3/4" = 1'-0" 3



* SEE 16/S1-2 FOR STRUCT. INFORMAION

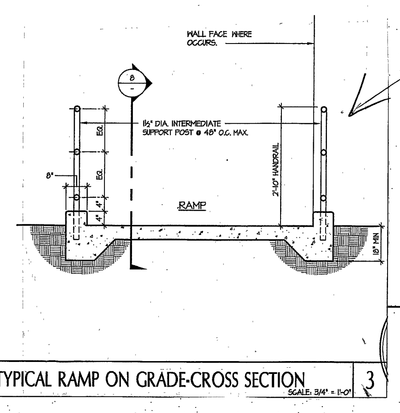
TYPICAL STAIR ON GRADE

SCALE: 3/4" = 1'-0" 5



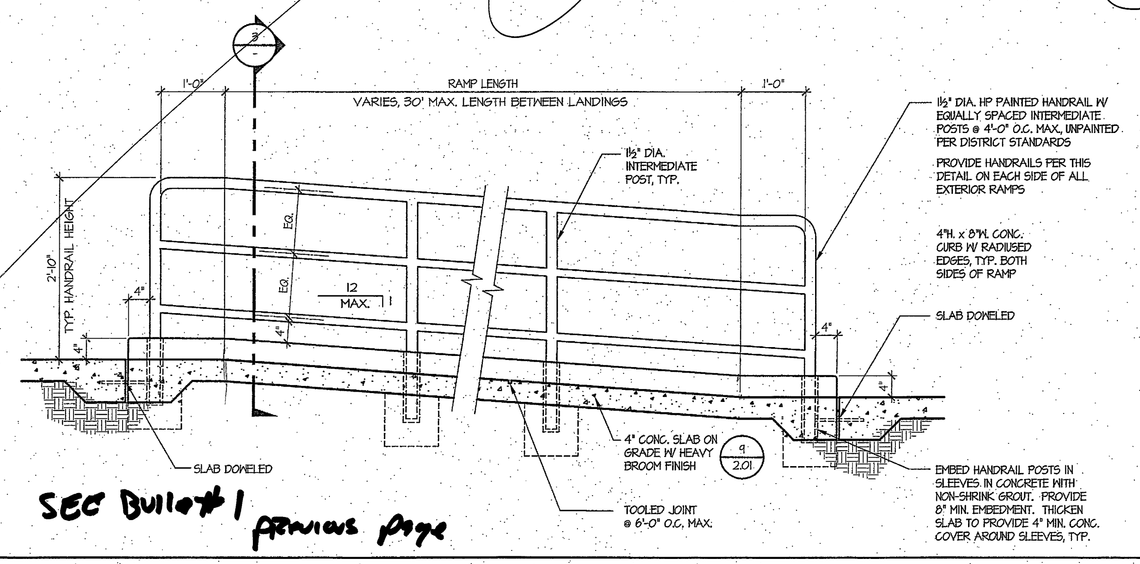
RAMP TO DINNING AREA

SCALE: 1/4" = 1'-0" 2



TYPICAL RAMP ON GRADE-CROSS SECTION

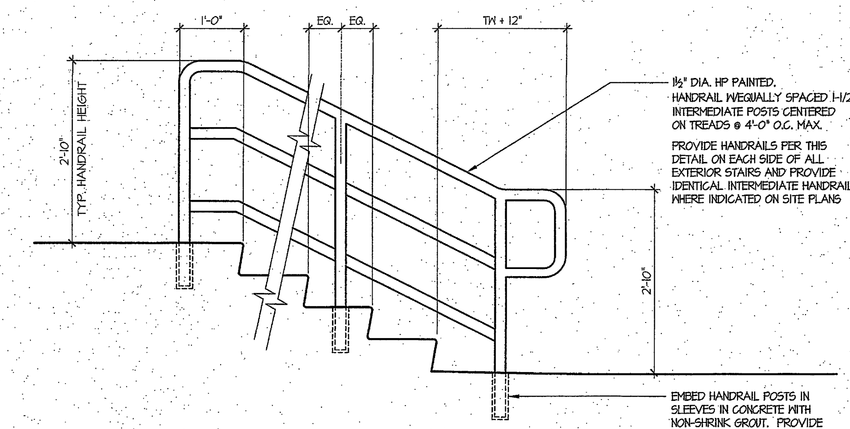
SCALE: 3/4" = 1'-0" 3



SEE Build#1 previous page

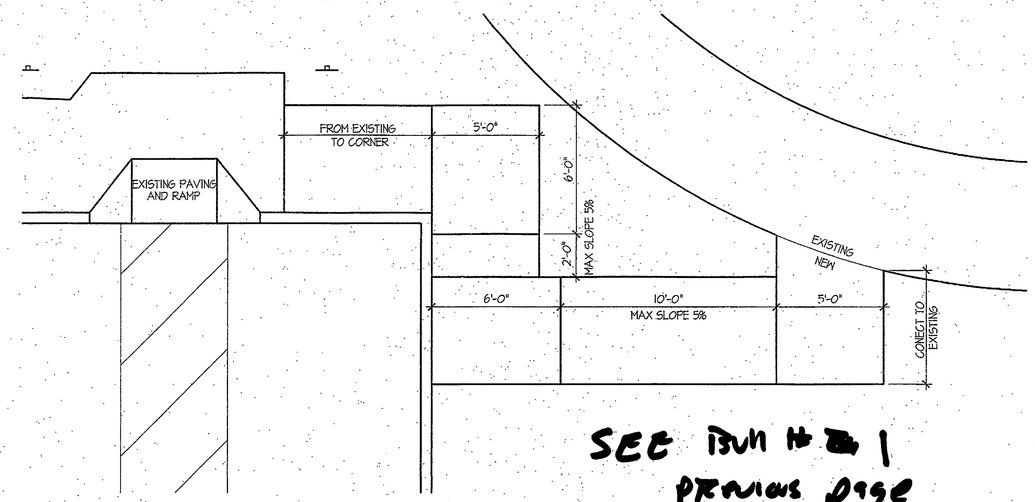
TYPICAL RAMP ON GRADE-LONGITUDINAL SECTION

SCALE: 3/4" = 1'-0" 8



STAIR HANDRAIL

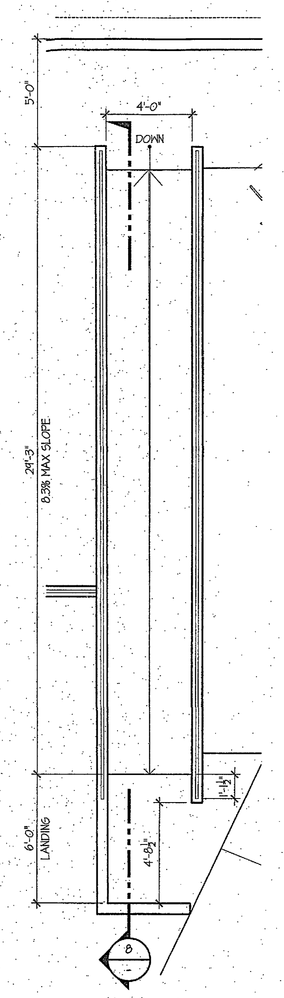
SCALE: 3/4" = 1'-0" 10

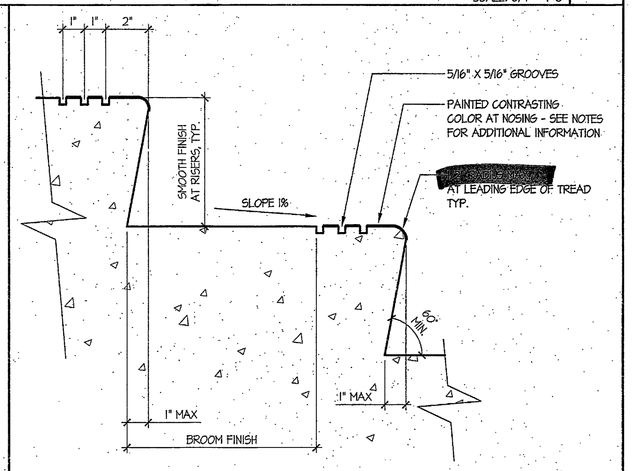


SEE Build#1 previous page

RAMP TO SIDEWALK

SCALE: 1/4" = 1'-0" 13

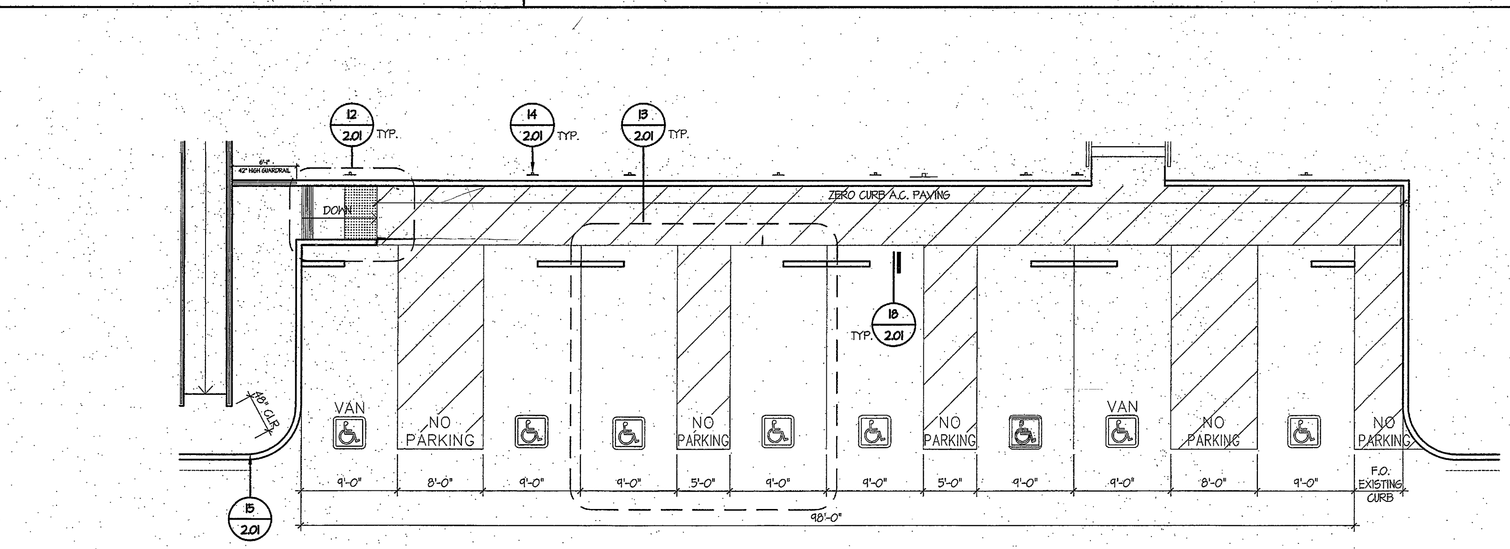




NOTES:
1. UPPER APPROACH AND ALL TREADS OF EXTERIOR STAIS MUST HAVE A 2" MIN. STRIP OF CONTRASTING COLOR.
2. COLOR MUST BE SOLID 2" AND CONTRAST MUST BE 70% MIN.
3. COLOR STRIP IS TO BE INSTALLED AS CLOSE AS POSSIBLE TO, BUT LESS THAN 1" FROM THE EDGE OF THE NOSING.

TYP. EXT. STAIR TREAD

SCALE: 3" = 1'-0" 15

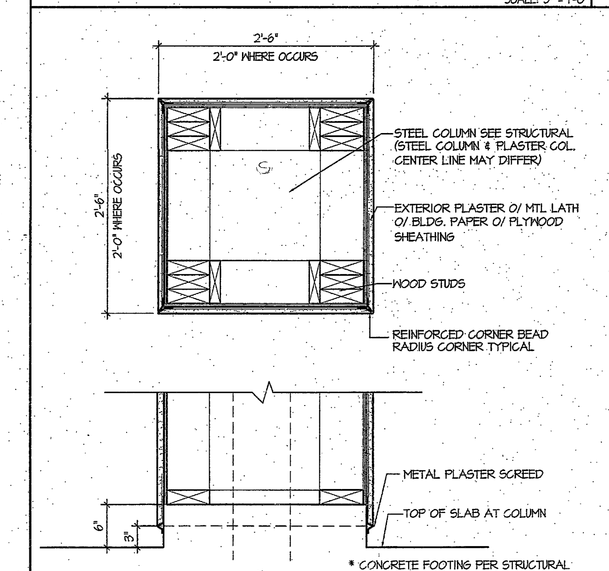


ACCESSIBLE PARKING PLAN

SCALE: 1/4" = 1'-0" 18

ACCESSIBLE RAMP @ WEST END

SCALE: 1/4" = 1'-0" 19



* CONCRETE FOOTING PER STRUCTURAL

EXTERIOR COLUMN DETAIL

SCALE: 1" = 1'-0" 20

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

REGISTERED ARCHITECT STATE OF CALIFORNIA

architect

consultant

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC. ARCH. RS
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048.10
file name: DTL-0202.DWG
drawn by: CT checked by:
date: 09/18/06

Rev.	date:	description:

drawing title: building no.:

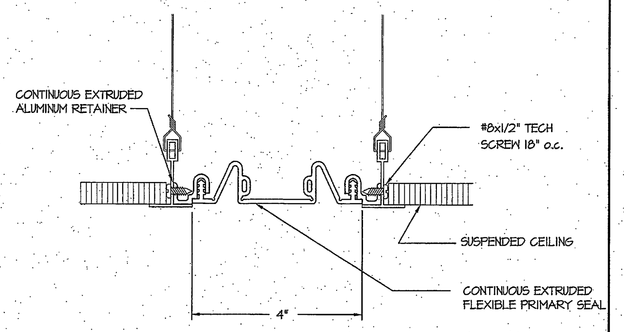
SITE DETAILS

drawing no.:

2.02

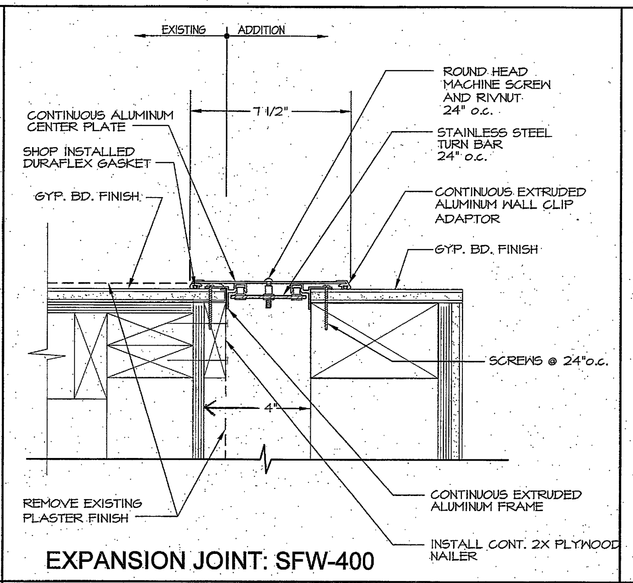
drawing 30 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



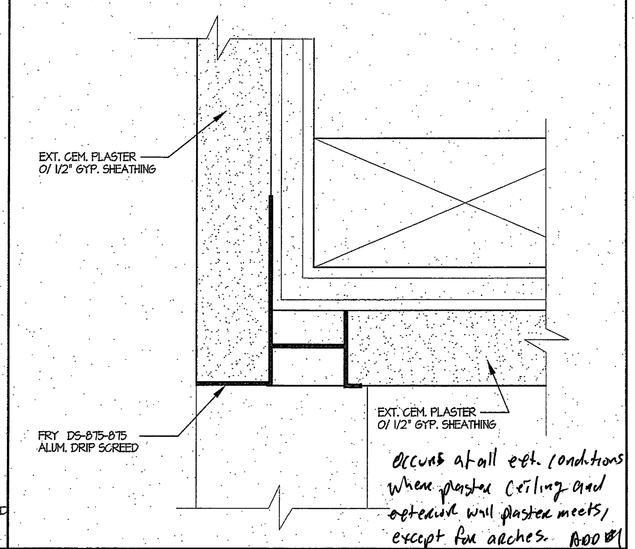
FCF-400

EXPANSION JOINT AT CEILING — SCALE: HALF — 1

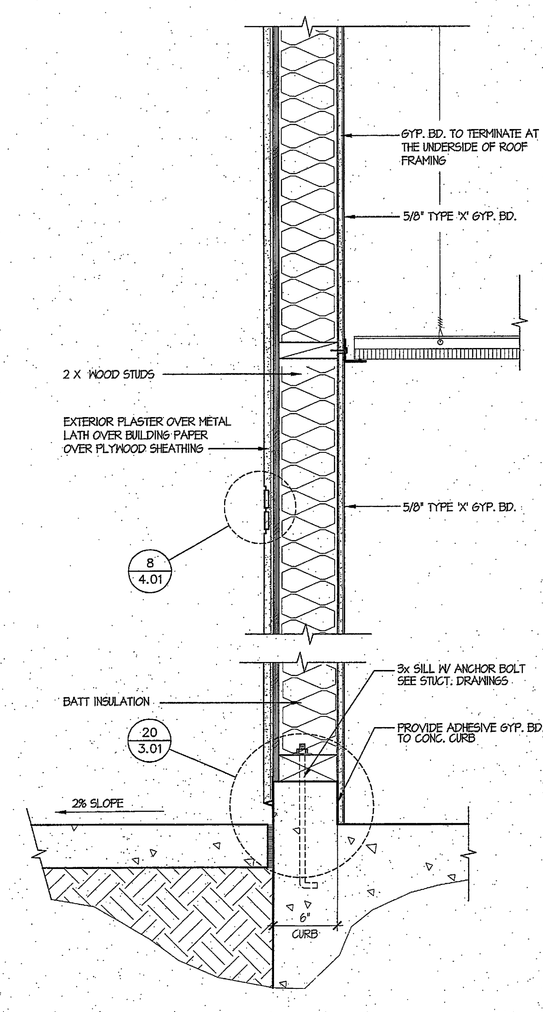


EXPANSION JOINT: SFW-400

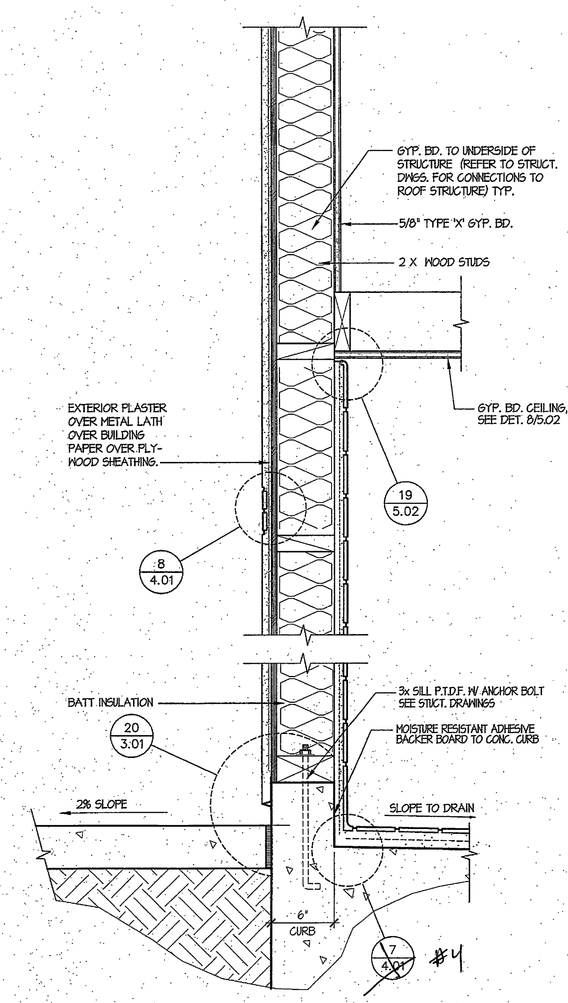
INTERIOR WALL EXPANSION JOINT COVER — SCALE: 3" = 1'-0" — 2



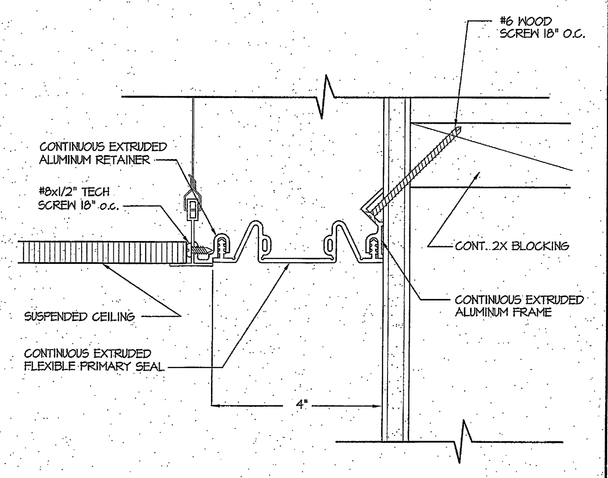
DRIP SCREED — SCALE: FULL — 3



EXT. BEARING WALL — SCALE: 1-1/2" = 1'-0" — 8

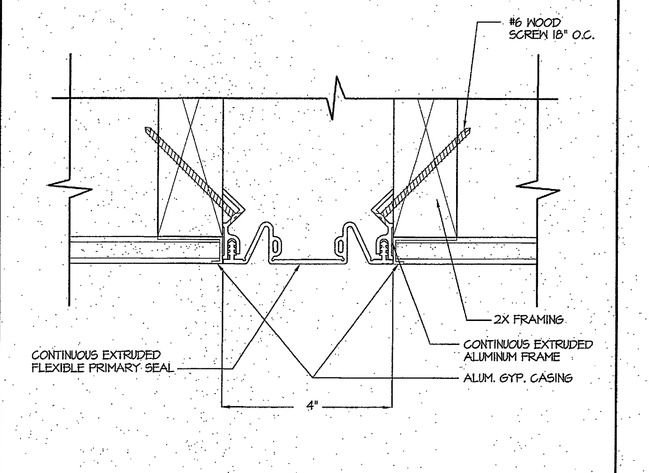


EXT. BEARING WALL @ TOILET ROOM — SCALE: 1-1/2" = 1'-0" — 9



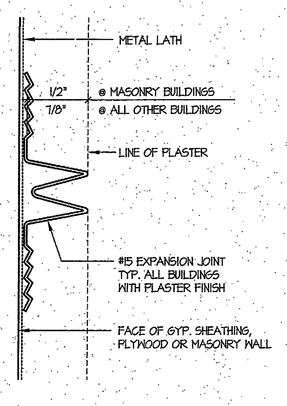
EXPANSION JOINT COVER: FCFC-400

EXPANSION JOINT CEILING TO WALL — SCALE: HALF — 6



EXPANSION JOINT COVER: FCFC-400

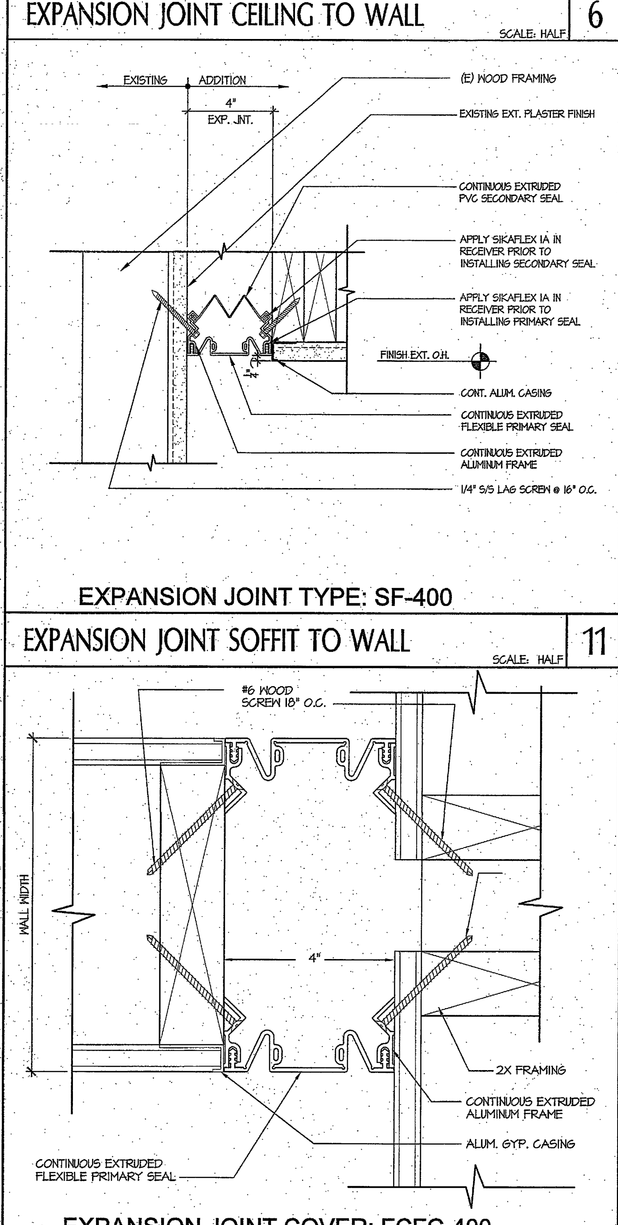
EXPANSION JOINT INT. WALL — SCALE: HALF — 7



PLASTER EXPANSION JOINT DETAIL — SCALE: FULL — 8

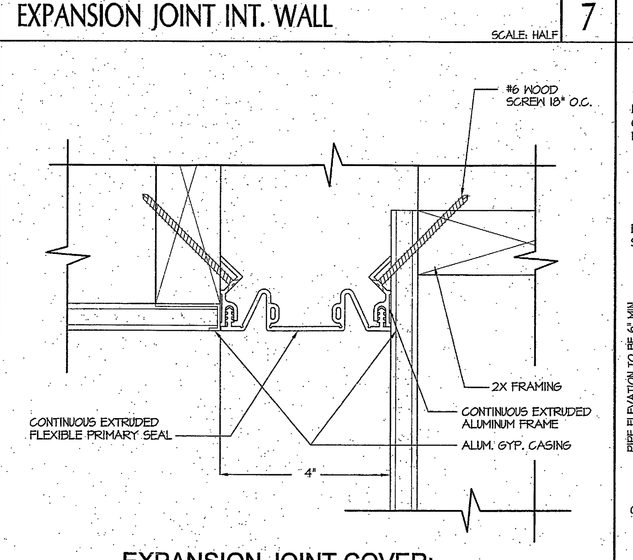
EXT. BEARING WALL — SCALE: 1-1/2" = 1'-0" — 8

METAL LATH ATTACHMENT - WOOD — SCALE: N.T.S. — 15



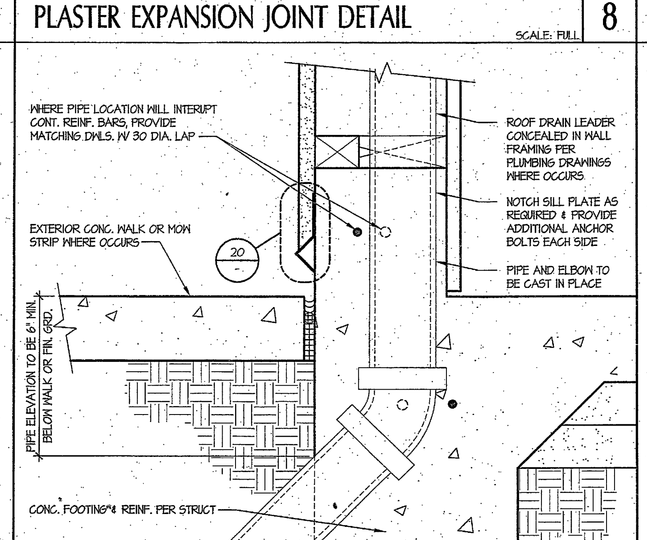
EXPANSION JOINT TYPE: SF-400

EXPANSION JOINT SOFFIT TO WALL — SCALE: HALF — 11

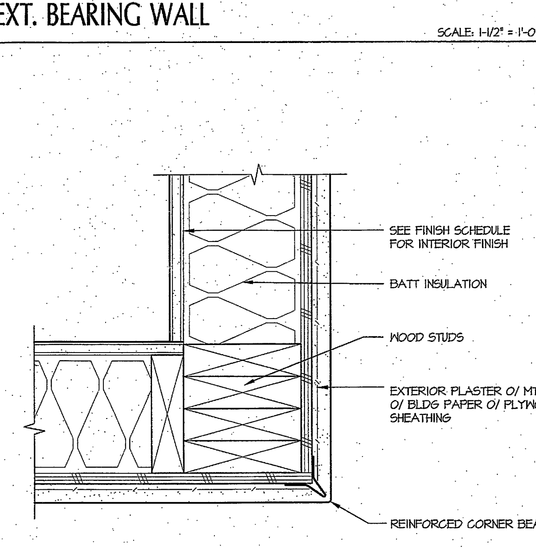


EXPANSION JOINT COVER: FCFC-400

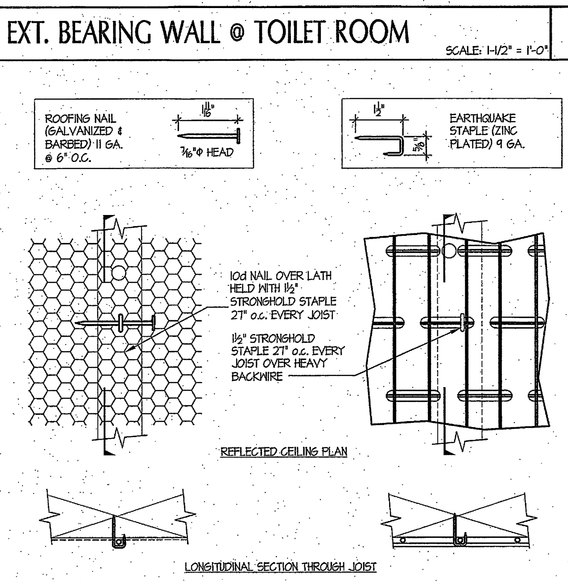
EXPANSION JOINT INT. WALL — SCALE: HALF — 12



ROOF DRAIN AT FOUNDATION — SCALE: 3" = 1'-0" — 13



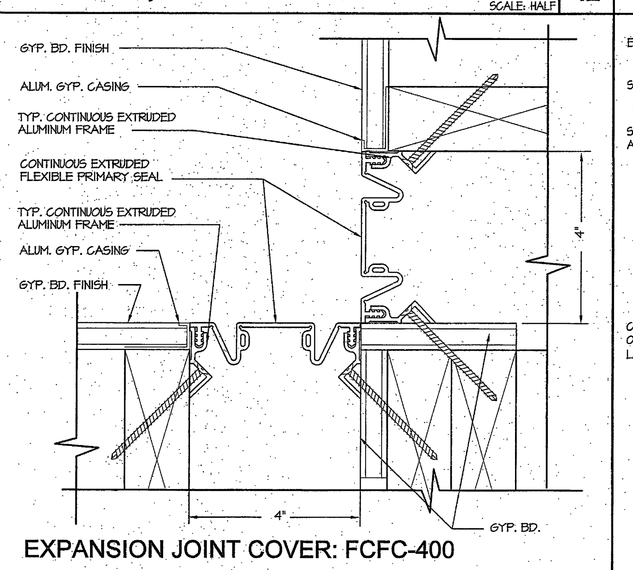
EXTERIOR CORNER DETAIL — SCALE: 3" = 1'-0" — 14



METAL LATH ATTACHMENT - WOOD — SCALE: N.T.S. — 15

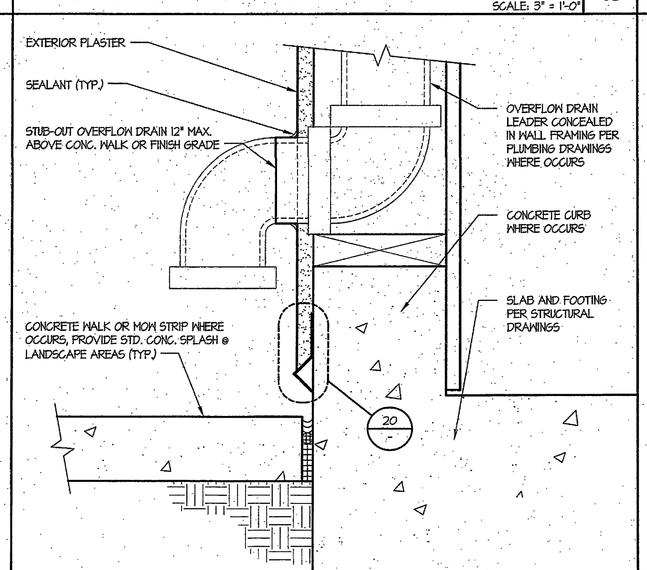
EXPANSION JOINT COVER: FCFC-400

DOUBLE EXPANSION JOINT INT. WALL — SCALE: HALF — 16

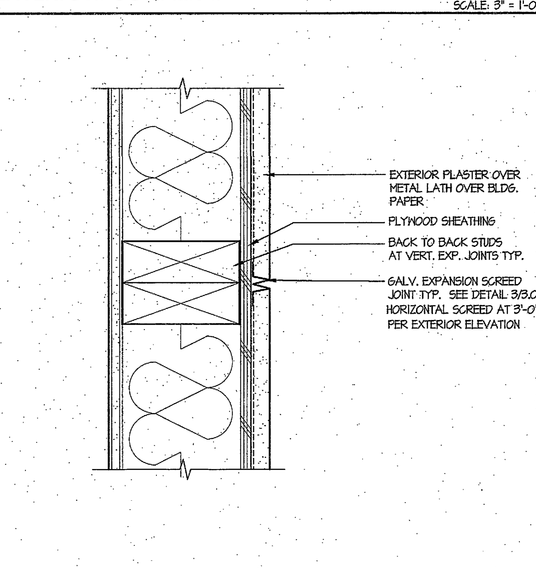


EXPANSION JOINT COVER: FCFC-400

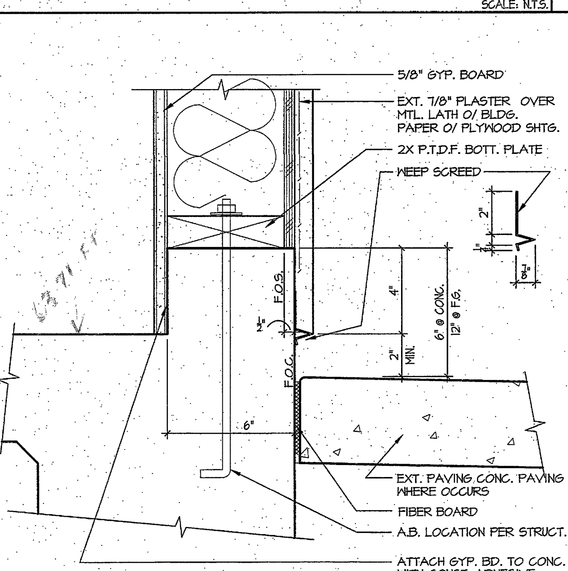
DOUBLE EXPANSION JOINT INT. WALL — SCALE: HALF — 17



OVERFLOW DRAIN OUTLET — SCALE: 3" = 1'-0" — 18



TYPICAL EXPANSION SCREED — SCALE: 3" = 1'-0" — 19



SILL AT EXTERIOR WALL — SCALE: 3" = 1'-0" — 20

tBP architecture planning interiors management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

consultant

DSA APPROVED
DEPARTMENT OF GENERAL SERVICES
OFFICE OF REGULATION SERVICES
04-107979
DIV. 15
DATE SEP 29 2006

Division of the State Architect
1668D West Bernardo Dr.
San Diego, Ca. 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048.10
file name: D11-0801.dwg
drawn by: CT checked by:
date: 09/18/06

Rev:	date:	description:

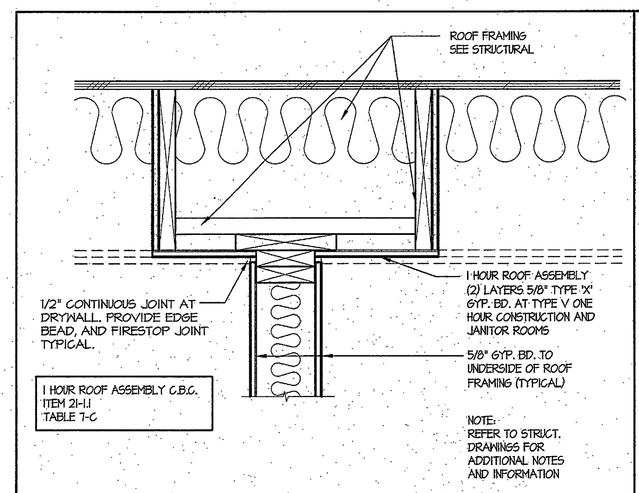
drawing title: EXTERIOR AND INTERIOR WALL DETAILS

building no.:

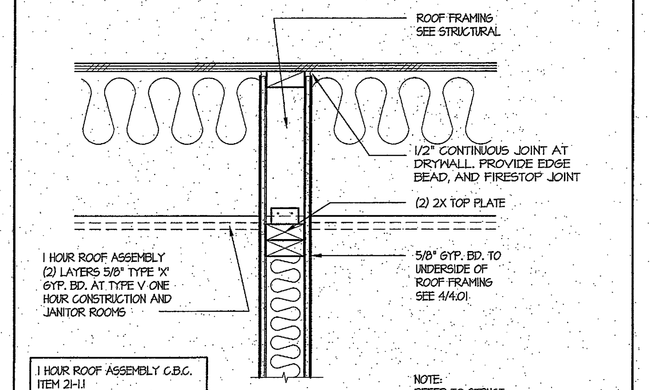
drawing no: 3.01

drawing 31 of 107

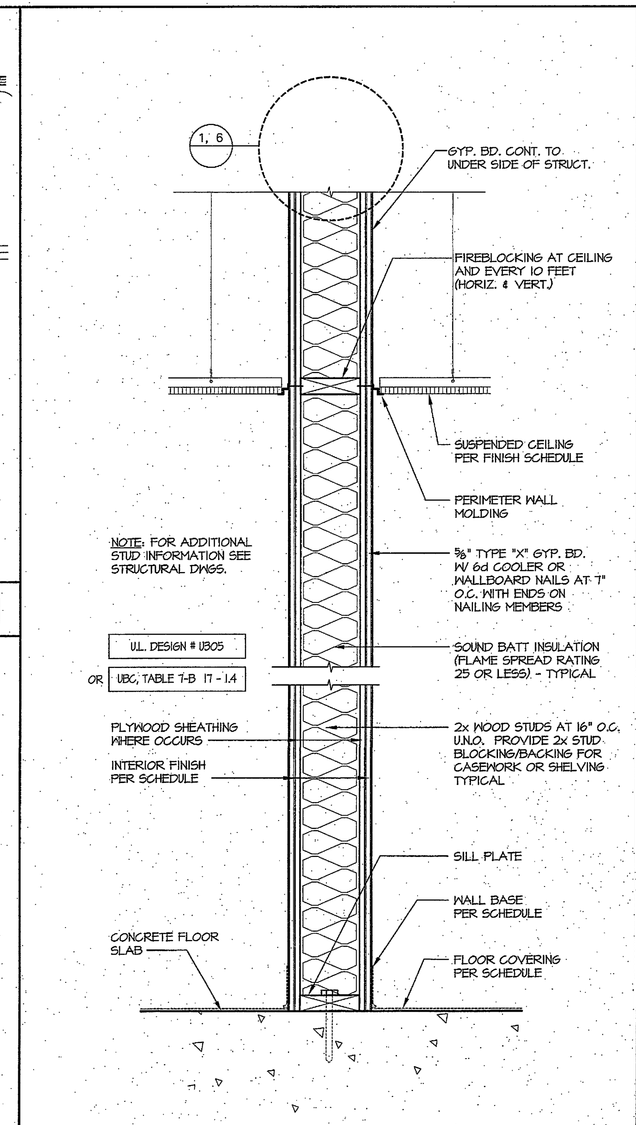
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



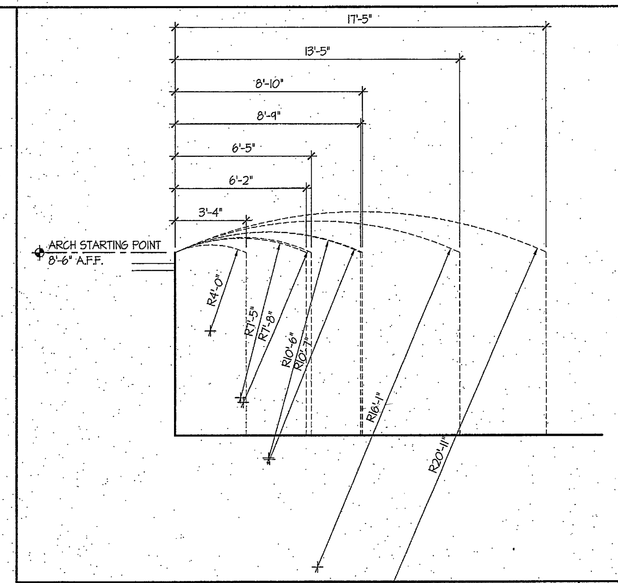
ONE HOUR - PARALLEL TO ROOF JOIST | SCALE: 1-1/2" 1'-0" | 1



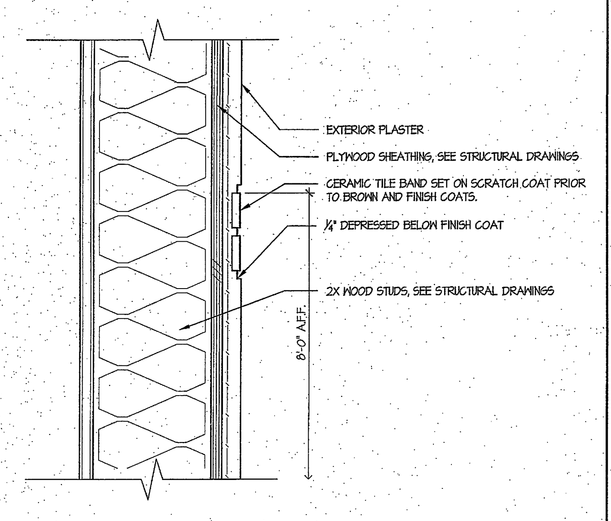
ONE HOUR - PERPENDICULAR TO ROOF JOIST | SCALE: 1-1/2" 1'-0" | 6



ONE HOUR PARTITION - WOOD STUDS | SCALE: 1-1/2" 1'-0" | 7

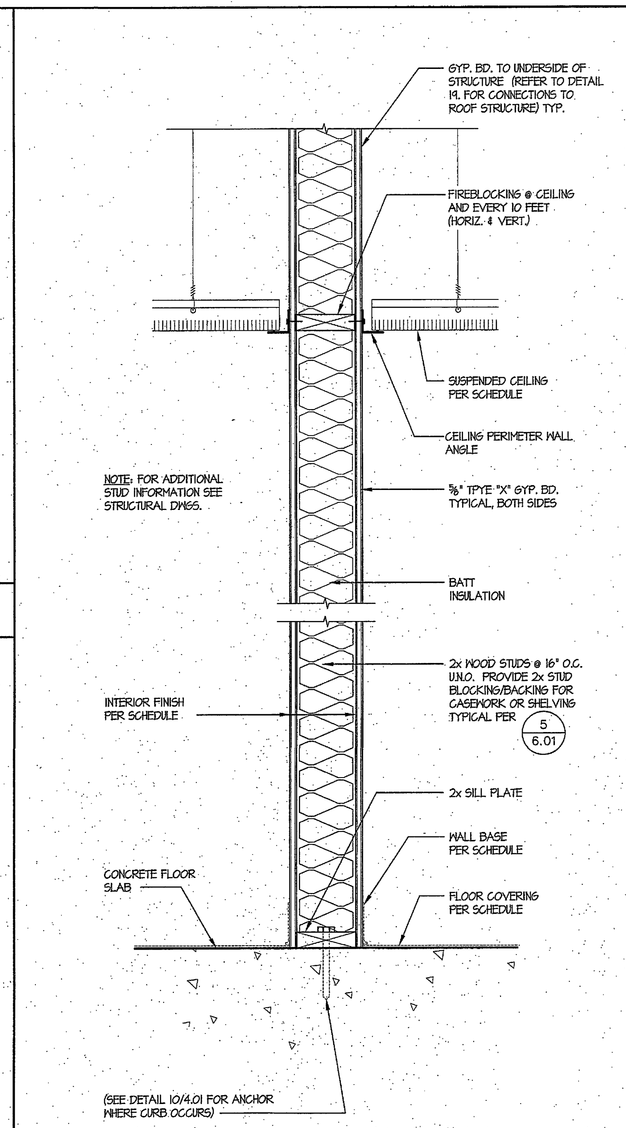


ARCH DETAIL | SCALE: 1/4" = 1'-0" | 3

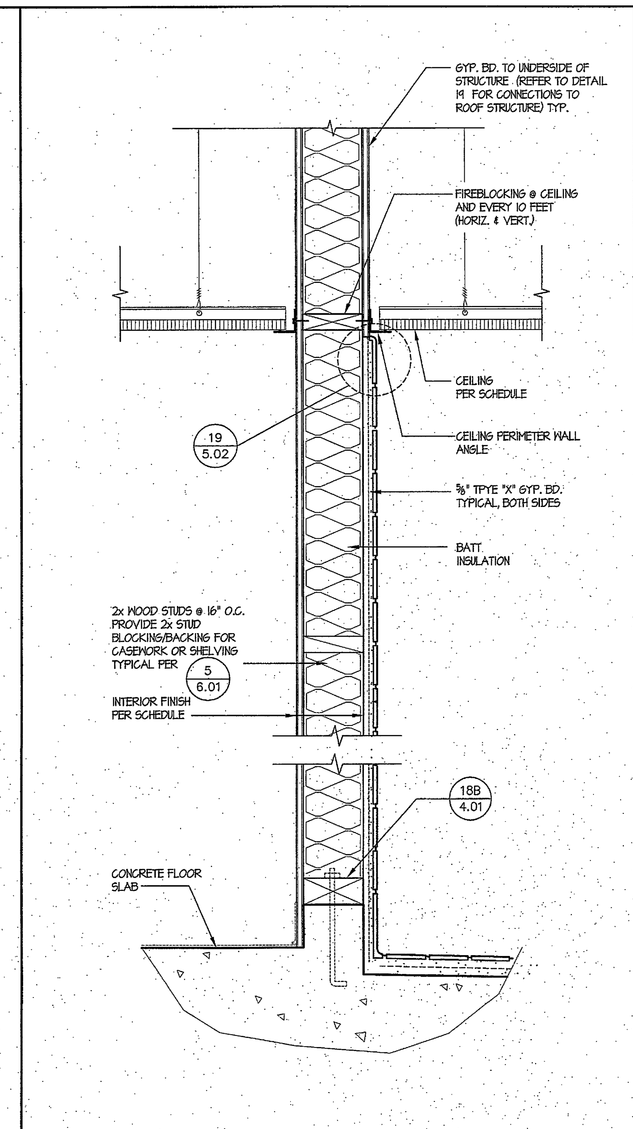


RFI # 81 Tile trim band construction method

4" TILE REVEAL | SCALE: 3" = 1'-0" | 8

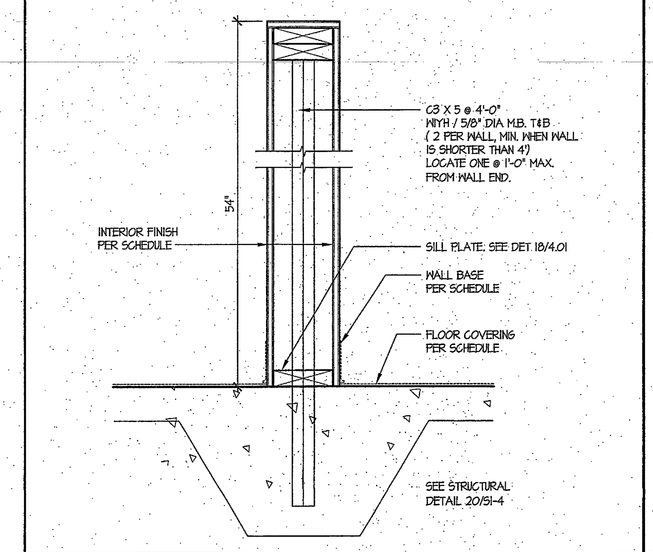


WOOD STUD PARTITION | SCALE: 1-1/2" = 1'-0" | 9

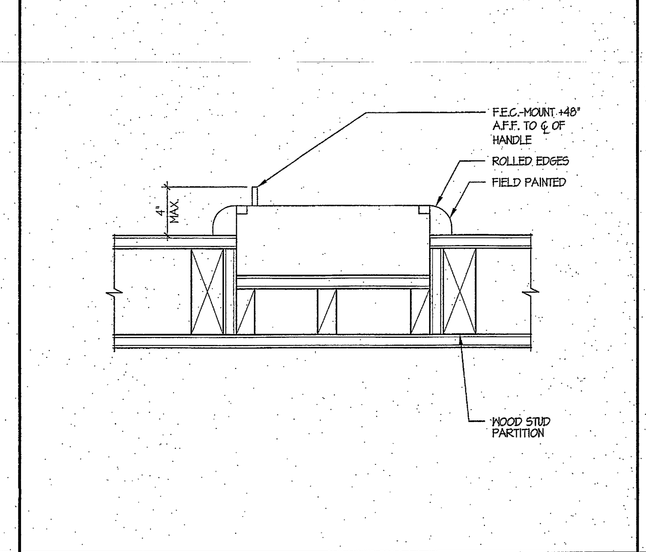


RFI # 118 Gypsum board termination at mortar bed

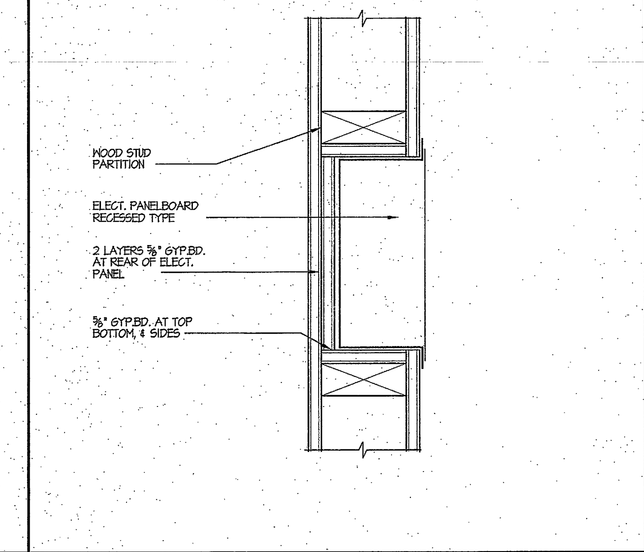
FULL HEIGHT NON-BEARING PARTITION WALL | SCALE: 1-1/2" = 1'-0" | 10



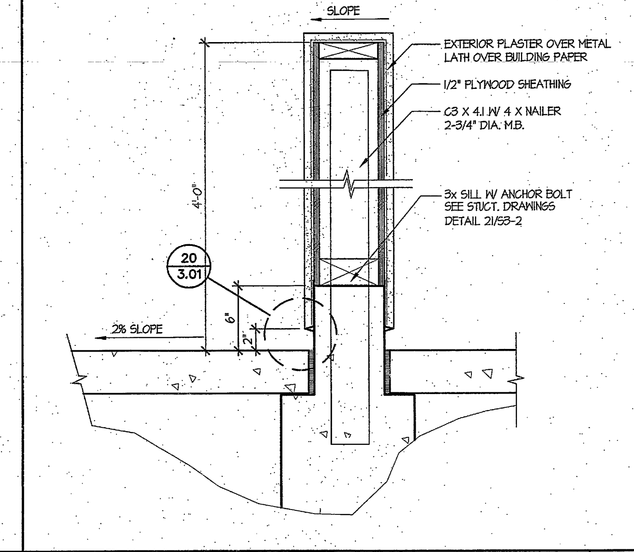
INTERIOR LOW WALL | SCALE: 1-1/2" = 1'-0" | 11



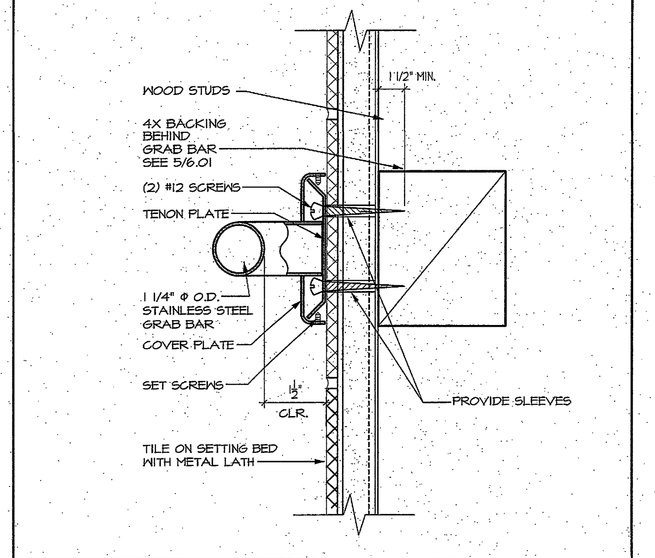
FIRE EXTINGUISHER CABINET - WOOD STUDS | SCALE: 3" = 1'-0" | 12



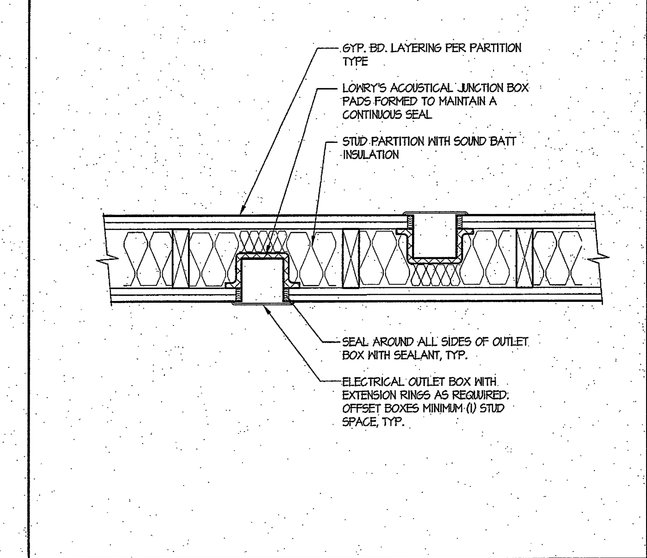
ELECTRICAL PANEL - WOOD STUDS | SCALE: 3" = 1'-0" | 13



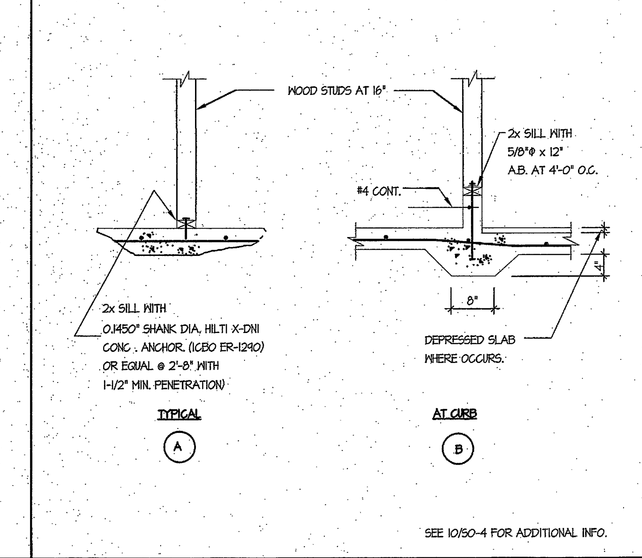
EXTERIOR LOW WALL AT DRINKING FOUNTAIN | SCALE: 1-1/2" = 1'-0" | 14



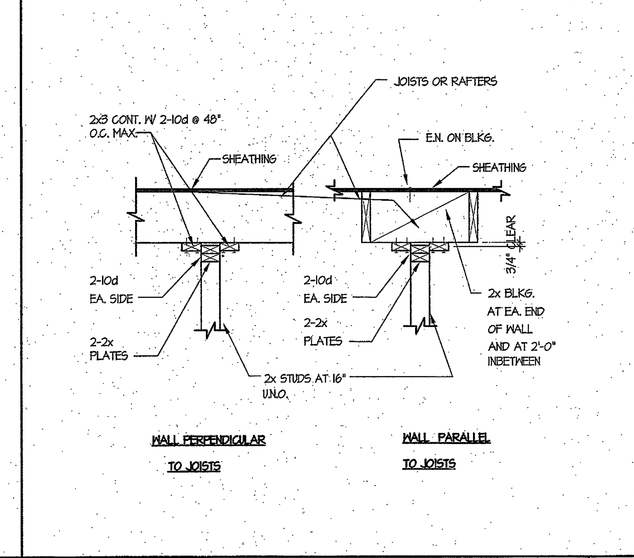
GRAB BAR - WALL MOUNTED | SCALE: HALF | 16



ELECTRICAL OUTLET PLAN DETAIL | SCALE: 1-1/2" = 1'-0" | 17



INTERIOR NON-BEARING WOOD STUD WALL | SCALE: 3/4" = 1'-0" | 18



WOOD FRAMING NON-BEARING PARTITIONS | SCALE: 3/4" = 1'-0" | 19

tBP architecture planning interiors management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

REGISTRATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04-107979
AC HS DATE SEP 29 2006

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

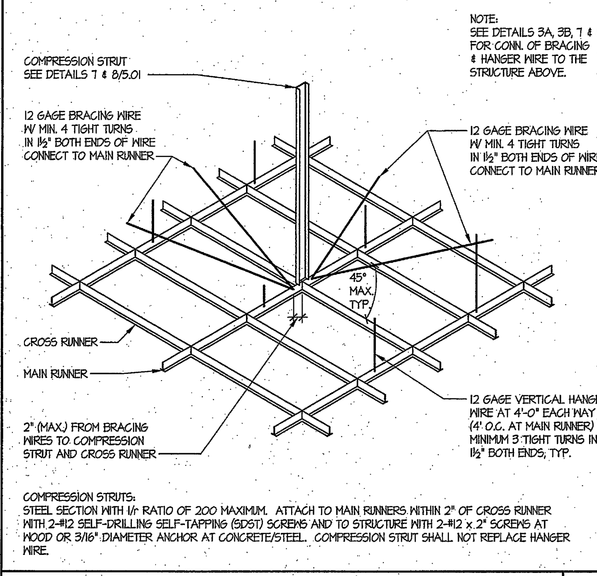
owner

tBP project number : 2048410
file name: DTL-0402.DWG
drawn by: PM checked by: GB
date: 09/18/06

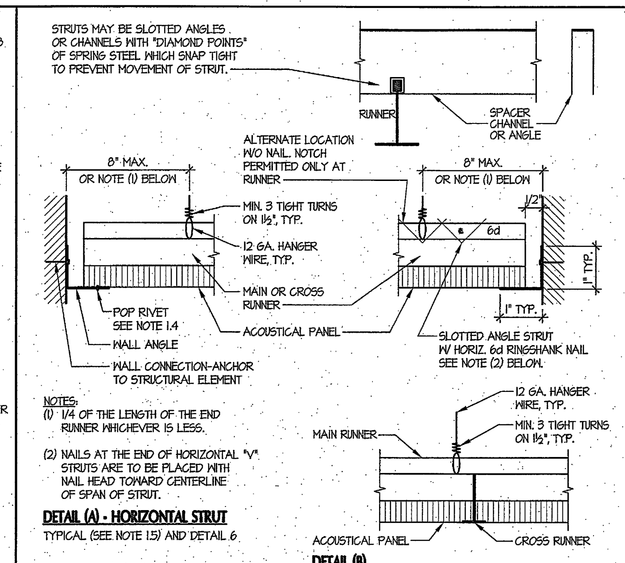
Rev:	date:	description:

drawing title: TYPICAL PARTITION DETAILS
building no:
drawing no: 4.01
drawing 38 of 107

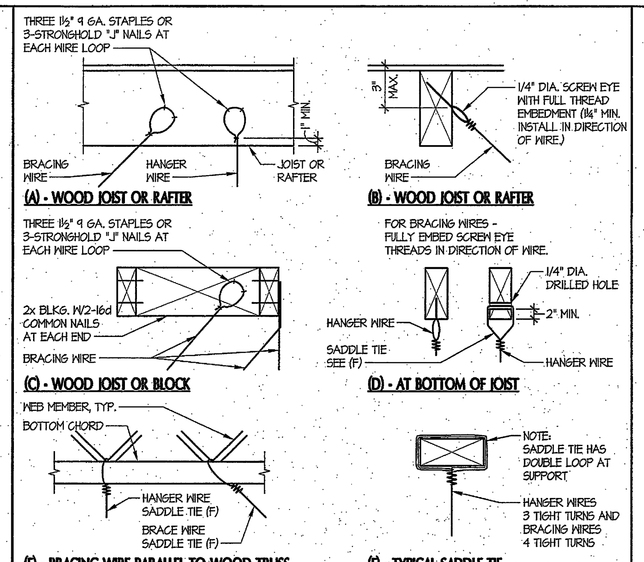
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFEERENCE DOCUMENTS ONLY.



SUSPENDED CEILING BRACING SYSTEM
SCALE: N.T.S. | 1



HANGER WIRE CONNECTION TO GRID
SCALE: N.T.S. | 2



WIRE CONNECTIONS TO WOOD FRAMING
SCALE: N.T.S. | 3

ACOUSTICAL PANEL CEILING NOTES

1. METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILINGS

ACOUSTICAL PANEL CEILINGS SHALL COMPLY WITH DSA IR 25-2

1.1 12 GA. (MIN.) HANGER WIRES SHALL BE USED FOR UP TO AND INCLUDING 4'-0"x4'-0" GRID SPACING AND SHALL BE ATTACHED TO MAIN RUNNERS.

1.2 PROVIDE 12 GA. HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT INCHES (8") OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LEAST, FOR THE PERIMETER OF THE CEILING AREA. END CONNECTIONS FOR RUNNERS WHICH ARE DESIGNED AND DETAILED TO RESIST THE APPLIED VERTICAL AND HORIZONTAL FORCES MAY BE USED IN LIEU OF THE 12 GA. HANGER WIRES, SUBJECT TO DIVISION ON THE STATE ARCHITECT (DSA) REVIEW AND APPROVAL.

1.3 PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTER SLOPING WIRES.

1.4 CEILING GRID MEMBERS SHALL BE ATTACHED TO NOT MORE THAN TWO (2) ADJACENT WALLS. CEILING GRID MEMBERS SHALL BE AT LEAST 1/2" FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE, AND A MINIMUM OF 1/2" CLEAR OF WALL.

1.5 AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA. WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.

1.6 PROVIDE BRACING ASSEMBLIES CONSISTING OF A COMPRESSION STRUT AND FOUR (4) 12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER (SEE DETAIL 1) AT THE FOLLOWING SPACING:

1. FOR SCHOOL BUILDINGS, PLACE BRACING ASSEMBLIES AT A SPACING NOT MORE THAN 12' BY 12' ON CENTER.
2. NOT USED
3. PROVIDE BRACING ASSEMBLIES AT LOCATIONS NOT MORE THAN ONE HALF (1/2) THE SPACINGS GIVEN ABOVE, FROM EACH PERIMETER WALL AND AT EDGE OF VERTICAL CEILING OFFSETS. THE SLOPE OF THESE WIRES SHALL NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHALL BE TAUT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA APPROVAL.
4. SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQUARE FEET OR LESS, AND FIRE RATED SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 96 SQUARE FEET OR LESS, SURROUNDED BY WALLS WHICH CONNECT DIRECTLY TO THE STRUCTURE ABOVE, DO NOT REQUIRE BRACING ASSEMBLIES WHEN ATTACHED TO TWO ADJACENT WALLS.

1.7 FASTEN HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS. FASTEN BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 6" INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.

NOTE: WIRE TURNS MADE BY MACHINE WHERE BOTH STRANDS HAVE BEEN DEFORMED OR BENT IN WRAPPING CAN WAIVE THE 1½" REQUIREMENT, BUT THE NUMBER OF TURNS SHOULD BE MAINTAINED, AND BE AS TIGHT AS POSSIBLE.

1.8 SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST SIX INCHES (6") FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC..

1.9 WHEN DRILLED-IN CONCRETE ANCHORS OR SHOT-IN ANCHORS ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES, 1 OUT OF 10 MUST BE FIELD TESTED FOR 200 LBS. IN TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 MUST BE FIELD TESTED FOR 440 LBS. IN TENSION. SHOT-IN ANCHORS IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES. IF ANY SHOT-IN OR DRILLED-IN ANCHOR FAILS, SEE CBC, SECTION 1923A.3.5.

1.10 ATTACH ALL LIGHT FIXTURES AND CEILING MOUNTED AIR TERMINALS OR SERVICES, TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES. SCREWS OR APPROVED FASTENERS ARE REQUIRED.

1.11 FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES, WEIGHING LESS THAN 56 LBS., MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF TWO 12 GA. SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. ALL 4'x4' LIGHT FIXTURES MUST HAVE SLACK SAFETY WIRES AT EACH CORNER.

ALL FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING 56 LBS. OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT 12 GA. WIRES EACH ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE REGARDLESS OF THE TYPE OF CEILING GRID SYSTEM USED.

THE FOUR (4) TAUT 12 GA. WIRES INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE MUST BE CAPABLE OF SUPPORTING FOUR (4) TIME THE WEIGHT OF THE UNIT.

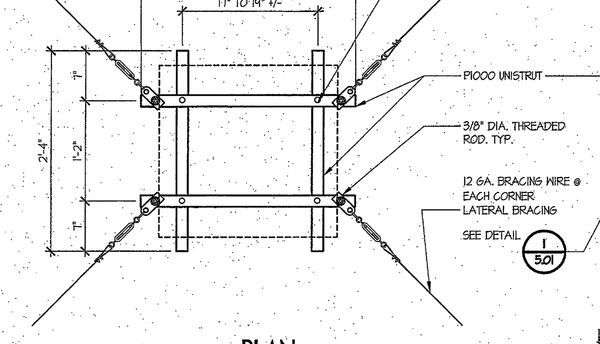
1.12 ALL FIXTURES AND AIR TERMINALS OR SERVICES SUPPORTED ON INTERMEDIATE DUTY GRID SYSTEMS MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT 12 GA. WIRES EACH ATTACHED TO THE FIXTURE OR TERMINAL, AND TO THE STRUCTURE ABOVE.

1.13 SUPPORT SURFACE MOUNTED LIGHT FIXTURES BY AT LEAST TWO POSITIVE DEVICES WHICH SURROUND THE CEILING RUNNER AND WHICH ARE EACH SUPPORTED FROM THE STRUCTURE ABOVE BY A 12 GA. WIRE. SPRING CLIPS OR CLAMPS THAT CONNECT ONLY TO THE RUNNER ARE NOT ACCEPTABLE.

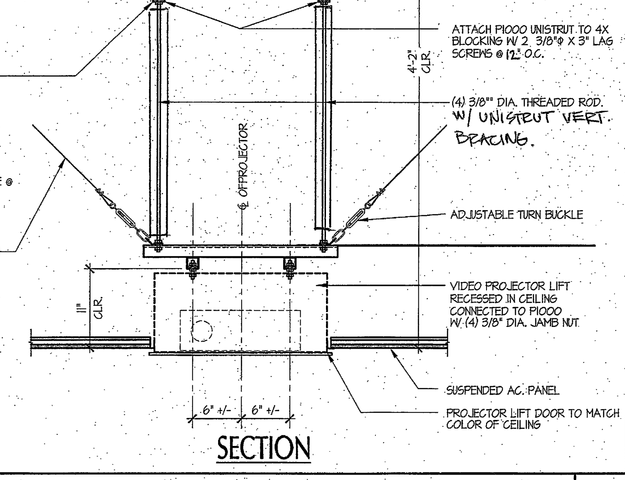
PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE 8'-0" OR LONGER.

1.14 SUPPORT PENDANT MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE FIXTURE. A BRACING ASSEMBLY PER DETAIL 1, IS REQUIRED WHERE THE PENDANT HANGER PENETRATES THE CEILING. SPECIAL DETAILS ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT HORIZONTAL FORCES.

1.15 CLASSIFICATION OF CEILING GRID IS HEAVY DUTY.

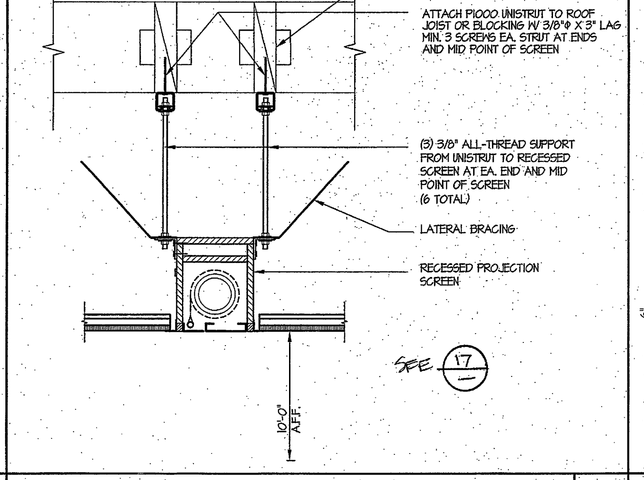


LATERAL BRACING PLAN
SCALE: N.T.S. | 6



See RFI#121 FOR ALTERNATE COMPRESSION STRUT DETAIL

COMPRESSION POST, TYP. (7'-25' MAX.)
SCALE: NONE | 7



COMPRESSION STRUT (7' MAX.)
SCALE: N.T.S. | 8

TYPICAL CEILING SUPPORT PLAN
SCALE: N.T.S. | 11

SEE DETAIL 13 FOR ADDITIONAL INFORMATION

TYP. ACOUSTICAL PANEL EDGE @ FIXED WALL
SCALE: HALF | 12

TYP. ACOUSTICAL PANEL EDGE @ FREE WALL
SCALE: HALF | 13

CEILING MOUNTED PROJECTOR PROJECTOR PLATFORM
SCALE: 1" = 1'-0" | 17

RECESSED PROJECTOR SCREEN
SCALE: 1-1/2" = 1'-0" | 18

SOFFIT
SCALE: 1" = 1'-0" | 19

RECESSED PROEJECTOR SCREEN AT SOFFIT
SCALE: 1" = 1'-0" | 20

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

DSA APPROVED
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107079
AC. — SEP 2 9 2006
DATE

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

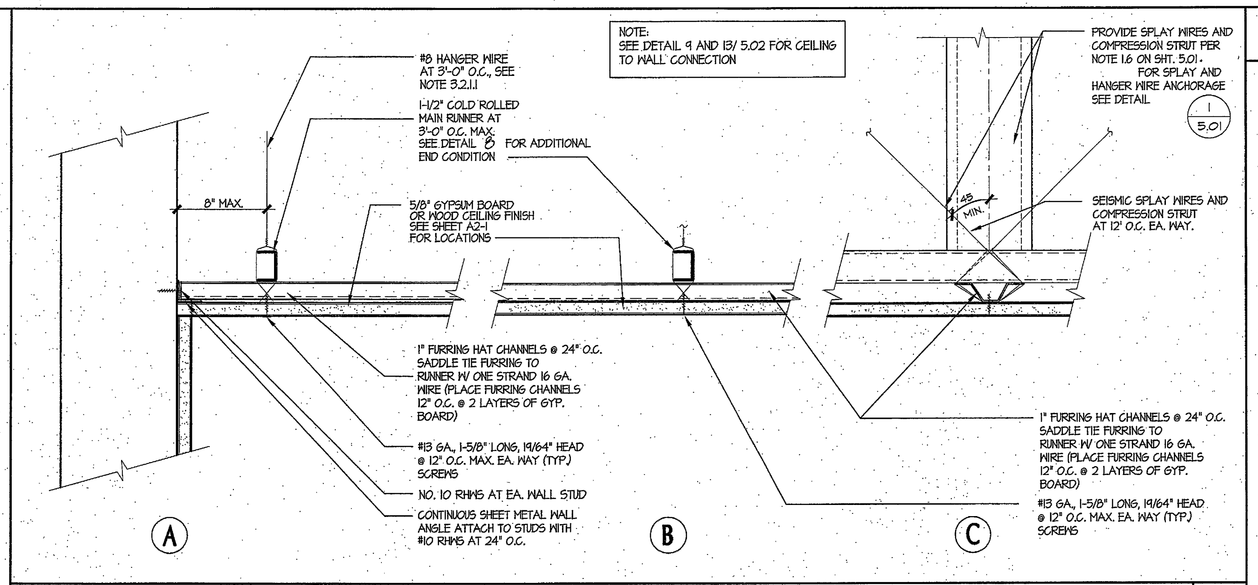
owner

tBP project number : 2048410
file name: D11-0501.dwg
drawn by: CT checked by: PM
date: 09/18/06

Rev:	date:	description:

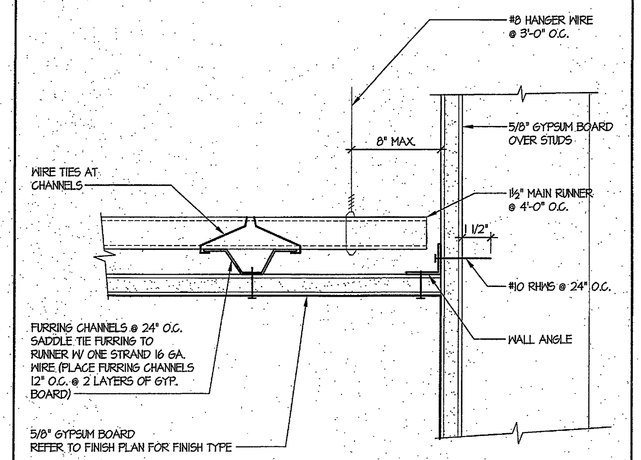
drawing title: TYPICAL ACOUSTICAL PANEL CEILING DETAILS
building no.:
drawing no.: 5.01
drawing 33 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



TYPICAL SUSPENDED GYPSUM BOARD CEILING @ 8' OR GREATER SPANS

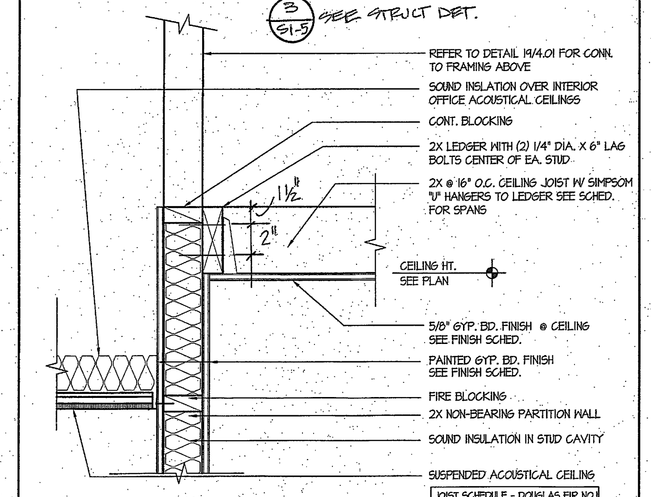
SCALE: 3" = 1'-0" | 4



SEE GENERAL NOTES FOR ADDITIONAL INFORMATION

SUSPENDED GYPSUM BOARD CEILING

SCALE: N.T.S. | 8

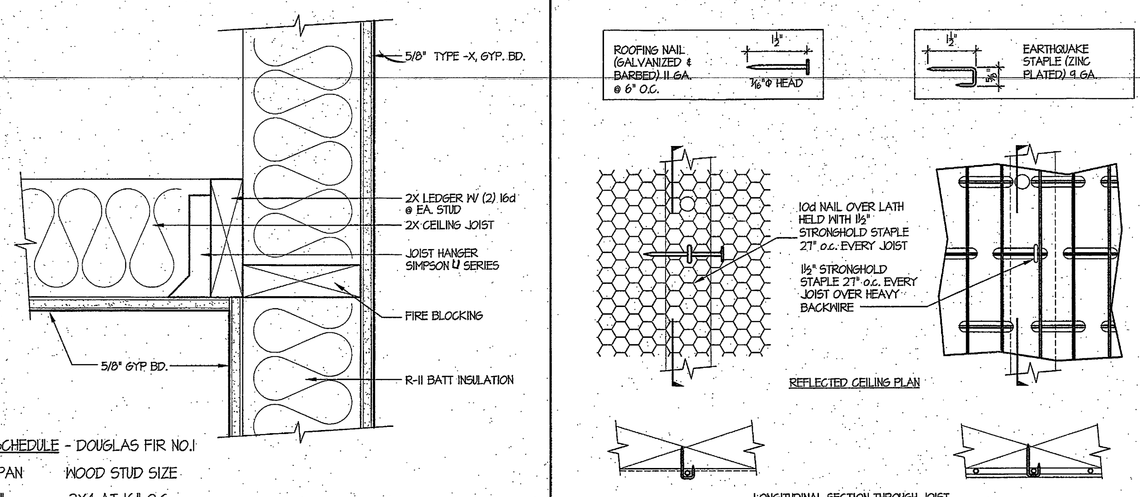


JOIST SCHEDULE - DOUGLAS FIR NO.1

MAX. SPAN	WOOD JOIST SIZE
8'-0"	2X4 AT 16" O.C.
12'-0"	2X6 AT 16" O.C.
14'-0"	2X8 AT 16" O.C.

FRAMED CEILING JOIST CONN. AT PARTITION

SCALE: 1-1/2" = 1'-0" | 9



JOIST SCHEDULE - DOUGLAS FIR NO.1

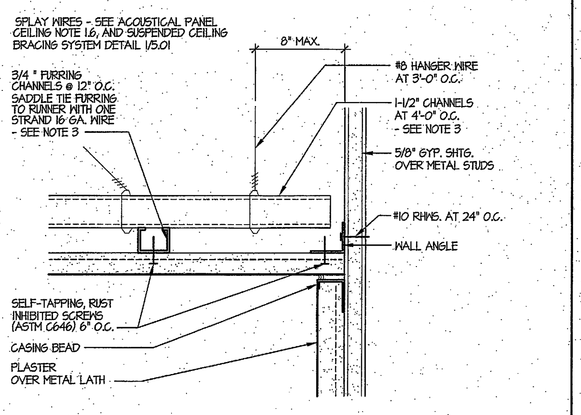
MAX. SPAN	WOOD STUD SIZE
8'-0"	2X4 AT 16" O.C.
12'-0"	2X6 AT 16" O.C.
14'-0"	2X8 AT 16" O.C.

NON-RATED CEILING CONNECTION TO WALL

SCALE: 3" = 1'-0" | 13

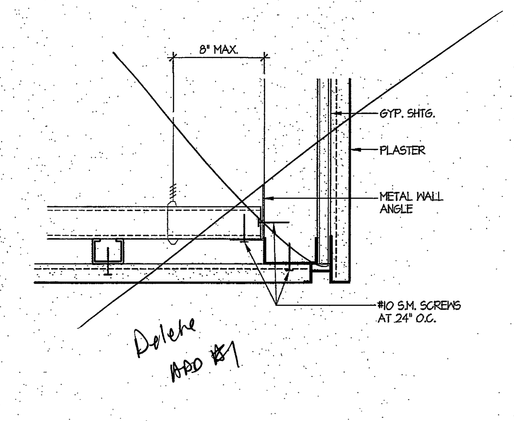
METAL LATH ATTACHMENT - WOOD

SCALE: N.T.S. | 14



SUSPENDED PLASTER CEILING

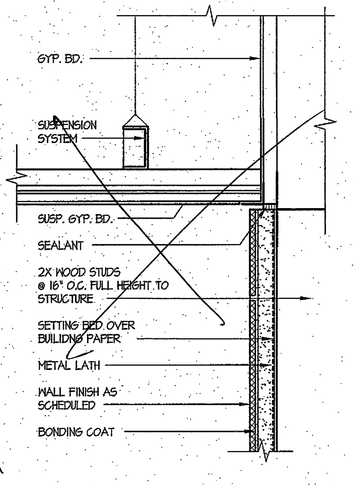
SCALE: 3" = 1'-0" | 17



SEE DETAIL 2/ 5.02 FOR ADDITIONAL INFORMATION

SUSPENDED PLASTER SOFFIT

SCALE: 3" = 1'-0" | 18



CERAMIC TILE - AT CEILING

SCALE: 3" = 1'-0" | 19

GENERAL NOTES

SUSPENDED PLASTER CEILING NOTES:

1. HANGER WIRES SHALL BE GALVANIZED SOFT ANNEALED MILD STEEL.
2. HANGER WIRE SIZE AND SPACING PER TABLE 25A-A.
3. MAIN RUNNER AND CROSS RUNNER SIZES AND SPACING PER TABLE 25A-A. USE 1 1/2"X0.12 LB/FT HOT ROLLED CHANNEL FOR MAIN RUNNER AND 3/4X 0.3 LB/FT CHANNELS FOR CROSS RUNNERS.
4. CROSS RUNNERS SHALL BE ATTACHED TO THE MAIN RUNNERS BY SADDLE TYING WITH ONE 16 GA. OR TWO STRANDS OF 18 GA. WIRES PER SEC. 2504A.4.
5. METAL LATH SHALL BE ATTACHED TO METAL SUPPORTS WITH NOT LESS THAN 18 GA. TIE WIRES SPACED NOT MORE THAN 6" O.C. PER SEC. 2505A.3.
6. METAL LATH SHALL BE APPLIED WITH THE LONG DIMENSION OF THE SHEET PERPENDICULAR TO THE SUPPORT.
7. METAL LATH SHALL BE LAPPED NOT LESS THAN 1/2" AT SIDES AND 1" AT ENDS.
8. WHERE END LAPS DO NOT OCCUR OVER SUPPORTS THEY SHALL BE SECURELY TIED WITH NOT LESS THAN 18 GA. WIRES.

SYSPENDED GYPSUM BOARD CEILING NOTES:

1. MATERIALS.
   MATERIALS ARE TO COMPLY WITH APPLICABLE CBC STANDARDS. GYPSUM BOARD IS EITHER 1/2" OR 5/8" IN THICKNESS
2. DESIGN.
   FOR LATERAL LOAD REFER TO CBC SECTION 1632A. THE HEIGHT OF THE SUSPENDED CEILING SHALL NOT BE LESS THAN FOUR (4) POUNDS PER SQUARE FOOT FOR DESIGN PURPOSES.
3. DETAILS OF CONSTRUCTION.

3.1 GENERAL.
GYP BOARD CEILINGS SHOULD NOT SUPPORT MATERIALS OR BUILDING COMPONENTS OTHER THAN GRILLS, LIGHT FIXTURES, SMALL ELECTRICAL CONDUITS, SMALL DUCTS AND THE LIKE. ALL SUCH COMPONENTS SHALL BE SUPPORTED EITHER DIRECTLY FROM MAIN RUNNERS, OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED BY MAIN RUNNERS. NO VERTICAL LOADS OTHER THAN GYP. BOARD DEAD LOAD SHALL BE APPLIED TO CROSS FURRING.

3.2 VERTICAL SUPPORT SYSTEM.

3.2.1 MAIN RUNNER AND CROSS RUNNER REQUIREMENTS

1. VERTICAL HANGER WIRES ARE #8 GAGE AND GALVANIZED; HOWEVER, IF CEILING IS NON-ACCESSIBLE, A #12 GAGE WIRE MAY BE USED.
2. CROSS-FURRING SHALL BE 1" x 0.41 LB/FT. 25 GA. GALVANIZED HAT SECTIONS AT 24" O.C. MAX.
3. MAIN RUNNER AND CROSS RUNNER SPACING @ 4'-0" O.C. USE 1½" GOLD ROLLED CHANNELS WEIGHING 1.12 LBS/FT.

3.2.2 THE FOLLOWING REQUIREMENTS APPLY TO ALL HANGER/RUNNER COMBINATIONS.

1. HANGERS WIRES SHOULD BE SADDLE-TIED AROUND MAIN RUNNERS TO DEVELOP THE FULL STRENGTH OF THE HANGERS.
2. CROSS-FURRING SHOULD BE SADDLE-TIED TO THE MAIN RUNNERS WITH ONE STRAND OF #16 GAGE, OR TWO STRANDS OF #18 GAGE TIE WIRE.
3. MAIN RUNNERS SHOULD BE SPLICED BY LAPPING AND INTERLOCKING FLANGES 12" MINIMUM AND TYING NEAR EACH END WITH DOUBLE LOOPS OF #16 GAGE WIRE.
4. CROSS-FURRING SHOULD BE SPLICED BY LAPPING AND INTERLOCKING THE PIECES EIGHT INCH (8") MINIMUM AND TYING NEAR EACH END WITH DOUBLE LOOPS OF #16 GAGE WIRE.

3.2.3 FASTEN HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS. FASTEN BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1-1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.

NOTE: WIRE TURNS MADE BY MACHINE WHERE BOTH STRANDS HAVE BEEN DEFORMED OR BENT IN WRAPPING CAN WAIVE THE 1½" REQUIREMENT, BUT THE NUMBER OF TURNS SHOULD BE MAINTAINED, AND BE AS TIGHT AS POSSIBLE.

SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST SIX INCHES (6") FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC.. IT IS ACCEPTABLE TO ATTACH LIGHTWEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT (DSA).

WHEN DRILLED-IN CONCRETE ANCHORS OR SHOT-IN ANCHORS ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES, 1 OUT OF 10 MUST BE FIELD TESTED FOR 200 LBS. IN TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 MUST BE FIELD TESTED FOR 440 LBS. IN TENSION. SHOT-IN ANCHORS IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES. IF ANY SHOT-IN OR DRILLED-IN ANCHOR FAILS, SEE SECTION 1929.3.5.5, TITLE 24.

PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTER SLOPING WIRES.

4. SUPPORT AND ANCHORAGE OF LIGHT FIXTURES AND MECHANICAL SERVICES.

4.1 ALL RECESSED OR DROP-IN LIGHT FIXTURES, AS WELL AS CEILING MOUNTED MECHANICAL AIR TERMINALS AND SERVICES, SHALL BE SUPPORTED DIRECTLY BY MAIN RUNNERS OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED BY MAIN RUNNERS AND POSITIVELY ATTACHED WITH SCREWS OR OTHER APPROVED CONNECTORS..

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

5. LATERAL SYSTEM.

5.1 WIRE BRACE SYSTEM.
PROVIDE BRACING ASSEMBLIES PER DETAIL 1 ON SHEET 5.01 AT THE FOLLOWING SPACING:

1. FOR SCHOOL BUILDINGS, PLACE BRACING ASSEMBLIES AT A SPACING NOT MORE THAN 12' BY 12' ON CENTER.
2. PROVIDE BRACING ASSEMBLIES AT LOCATIONS NOT MORE THAN 1/2 THE SPACINGS GIVEN ABOVE, FROM EACH PERIMETER WALL AND AT THE EDGE OF VERTICAL CEILING OFFSETS. THE SLOPE OF THESE WIRES SHALL NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHALL BE TAUT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA APPROVAL.
3. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN TWO (2) ADJACENT WALLS. CEILING GRID MEMBERS SHALL BE AT LEAST 1/2" FREE OF ALL OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE, AND A MINIMUM OF 1/2" CLEAR OF WALL.
4. SUSPENDED CEILING SYSTEMS WITH AN AREA OF 144 SQUARE FEET OR LESS, AND FIRE RATED CEILING SYSTEMS WITH AN AREA OF 96 SQUARE FEET OR LESS, SURROUNDED BY WALLS WHICH CONNECT DIRECTLY TO THE STRUCTURE ABOVE, DO NOT REQUIRE BRACING ASSEMBLIES WHEN ATTACHED TO AT LEAST TWO ADJACENT WALLS.

5.2 ALTERNATE SYSTEM.
DESIGN AS A DIAPHRAGM, SIMILAR TO PLYWOOD DIAPHRAGM CONCEPT, SUBJECT TO ACCEPTANCE BY THE DSA REGIONAL OFFICE.

5.2.1 DIAPHRAGM RATIOS.
HORIZONTAL 2:1 MAXIMUM
VERTICAL 1:1 MAXIMUM

5.2.2 A MAXIMUM DIAPHRAGM SHEAR EQUAL TO 50 LBS/FT. IS ALLOWED WITH 1" OR 1¼" HI-LO TYPE S OR S-12 BUGLE HEAD SCREWS AT 12" O.C. AND 3/8" SCREW EDGE DISTANCE AT ALL GYPSUM BOARD EDGES AND INTERMEDIATE SUPPORTS. A WALL CONSTRUCTED SIMILARLY CAN RESIST THE SAME SHEAR FORCE PROVIDED THE GYPSUM BOARD IS ON THE SAME SIDE OF THE STUDS AS THE CEILING IS, AND A POSITIVE CONNECTION BETWEEN THE CEILING AND THE WALL IS DETAILED. THE GYPSUM BOARD DIAPHRAGMS ARE TO RESIST LATERAL LOADS DUE TO THEIR OWN WEIGHT AND/OR THE CEILING DIAPHRAGM(S) ONLY.

5.2.3 DETAILS ARE REQUIRED PROVIDING FOR LATERAL LOAD TRANSFER FROM THE GYPSUM BOARD TO SHEAR WALLS, OR OTHER LATERAL LOAD RESISTING GYPSUM BOARD TO SHEAR WALLS, OR OTHER LATERAL LOAD RESISTING ELEMENTS, ON ALL FOUR SIDES OD DIAPHRAGM.

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

consultant

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPROVED
04-107979
AC — DSA — SS
DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

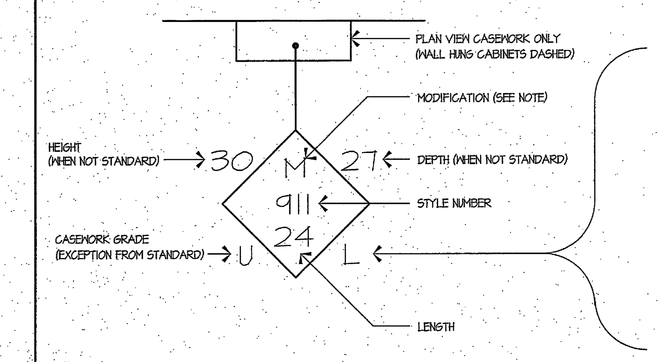
tBP project number : 2048.10
file name: D11-0502.dwg
drawn by: CT checked by:
date: 04/18/06

Rev:	date:	description:

drawing title: building no:
SUSPENDED PLASTER & GYP. BD. DETAILS

drawing no:
5.02
drawing 34 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



SYMBOL NOTATIONS

C - CHALKBOARD ON BACK
CD - CHALKBOARD ON DOOR
ML - METAL LEGS TO REPLACE CASTERS
WL - WOODEN LEGS TO REPLACE CASTERS
G - GLIDES TO REPLACE CASTERS
L - LOCKS REQUIRED AT ALL DOORS AND/OR DRAWERS IN CABINETS
M - MODIFICATION TO STYLE ONLY
RS - REVERSE SWING OF DOOR FROM THAT SHOWN ON DETAIL SHEETS
T - TACKBOARD ON BACK
TD - TACKBOARD ON DOOR
X - IN LIEU OF STYLE NO. INDICATES SPECIAL DESIGN NOT ILLUSTRATED ON DETAIL SHEETS
1 SUFFIX ON 100 AND 200 SERIES CONVERTS BASE UNITS TO MOVEABLE UNITS

CASEWORK GRADES

D - DELUXE (TYP. GRADE U.N.O.)
U - UTILITY
S - SUPREME
LAB - LABORATORY

COUNTERTOP NOTATIONS

LAM. PLAS. - LAMINATED PLASTIC
HD. BD. - HARDBOARD
HDWD. - HARDWOOD
CST - COMPOSITION STONE
LAB. GRADE - ACID-RESISTANT LAM. PLASTIC
EP. RES. - EPOXY RESIN

SYMBOLS AND NOTATIONS FOR CABINETS | 2

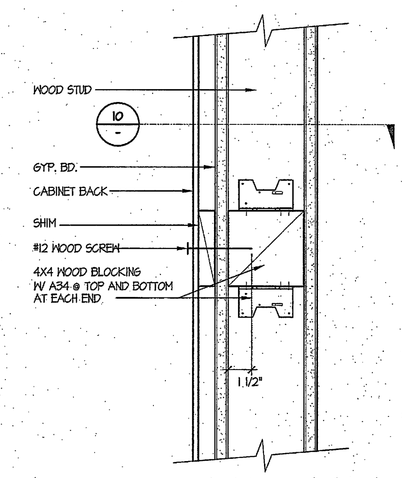
A. CASEWORK:
1. ONLY THOSE CABINETS CALLED OUT ON BUILDING INTERIOR ELEVATIONS AND FLOOR PLANS SHALL BE PROVIDED.
2. DOOR SWINGS SHALL BE AS SHOWN ON INTERIOR ELEVATIONS. IF NOT ELEVATED, SWINGS SHALL BE AS SHOWN ON DETAIL SHEET ILLUSTRATIONS. SYMBOL 'RS' INDICATES REVERSE SWING.
3. ALL CABINET DIMENSIONS INDICATED ARE NOMINAL OUTSIDE DIMENSIONS, AND SHALL NOT BE EXCEEDED; (EXCEPTION - CABINETS ADJACENT TO WALLS MAY BE INCREASED IN LENGTH TO ELIMINATE THE NEED FOR FILLER STRIPS). A ¾" TOLERANCE IS PERMITTED ON DIMENSIONS OVER 48". FOR 48" AND SMALLER DIMENSIONS, TOLERANCE IS LIMITED TO 1/8". HEIGHT DIMENSION OF BASE CABINETS INCLUDES FINISHED TOP.
4. ALIGN SIDE OF CABINET WITH EDGE OF DOOR FRAME WHERE OCCURS.
5. PAPER AND CHART STORAGE UNITS SHALL BE 21" DEEP UNLESS OTHERWISE NOTED.

B. COUNTERTOPS AND BACKSPLASHES
1. WHERE BACKSPLASH IS INDICATED, IT SHALL BE 4" HIGH @ NON-SINK AREAS & 6" HIGH OR TO UNDERSIDE OF UPPER CABINETS @ WET AREAS (SEE INTERIOR ELEVATIONS). TOP MOUNTED TYPE, HAVING SQUARE TOP WITH SHELF EDGE.

NOTES | 3

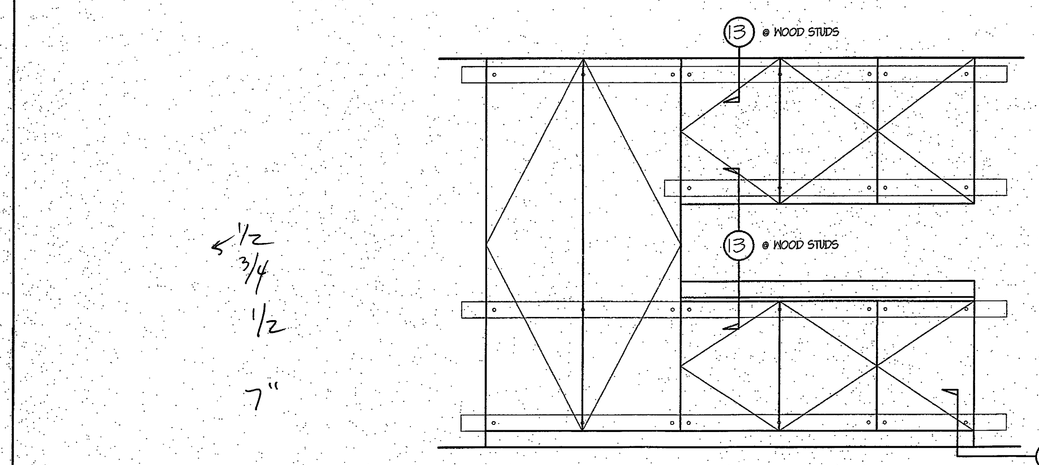
SERIES NO.		TYPE	STD. DIMENSION H"	D"
100	199	BASE CABINETS	34	24
200	299	DRAWER BASE CABINETS	34	24
300	399	WALL HUNG CABINETS	30	12

CABINET INDEX | 4



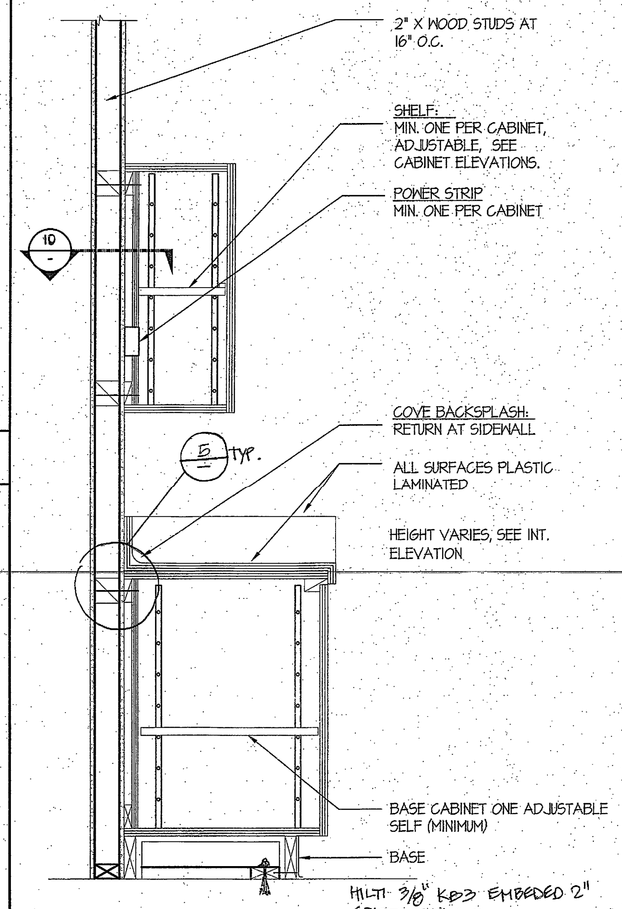
BACKING - SECTION | SCALE: 3" = 1'-0" | 5

tBP architecture planning interiors management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.3000 fx: 949.673.9267
REGISTERED ARCHITECT STATE OF CALIFORNIA
architect



NOTES:
1. #12 LAG SCREWS @ WOOD STUDS SPACED 16" O.C. FROM CABINET TO BACKING. MIN. OF ONE SCREW @ EA. TOP AND BOTTOM CORNER OF EACH CABINET UNIT.
2. SEE INTERIOR ELEVATIONS FOR CABINET CONFIGURATION AND DIMENSIONS.
3. STUDS OF WALLS BACKING CABINETS SHALL RUN FROM SLAB TO STRUCTURE ABOVE.

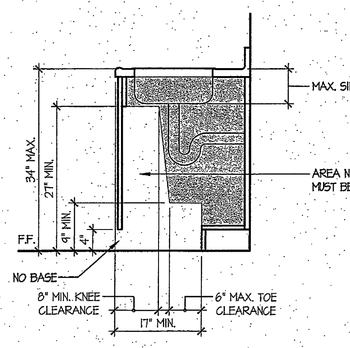
BACKING AND ANCHOR DETAIL | SCALE: 3" = 1'-0" | 7



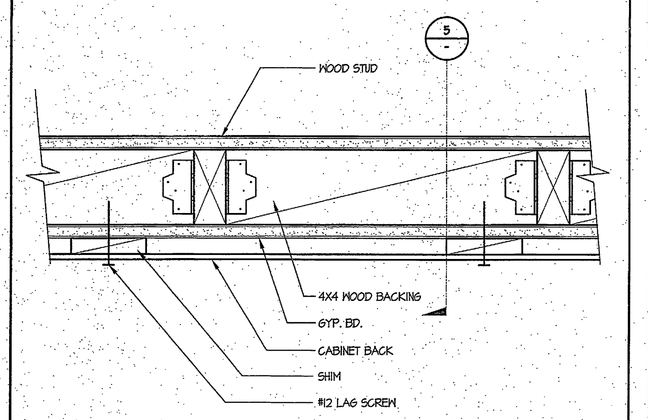
NOTE:
ANCHORAGE OF TALL CABINETS & SHELVING UNITS SIMILAR EXCEPT ANCHOR @ TOP & BOTTOM ONLY.

NOTES

1. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO MORE THAN 5 LBS. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.



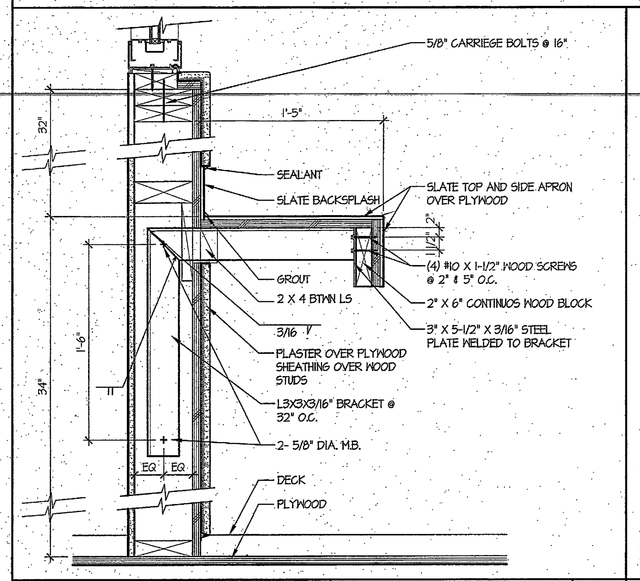
ACCESSIBLE SINK SECTION | SCALE: 3/4" = 1'-0" | 9



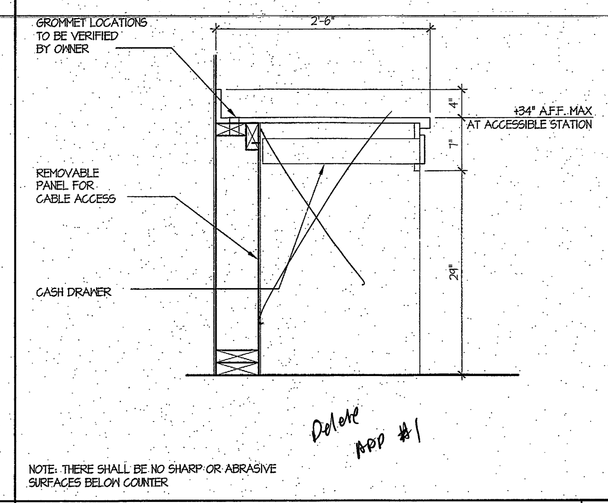
BACKING - SECTION | SCALE: 3" = 1'-0" | 10

CONSTRUCTION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
ACCESS RS DSA SS
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency



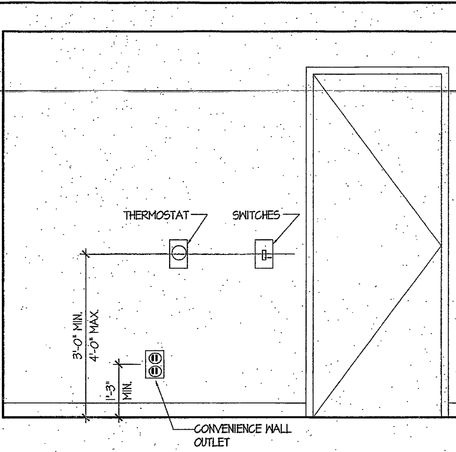
SHELF AT EXTERIOR DECK | SCALE: 1-1/2" = 1'-0" | 11



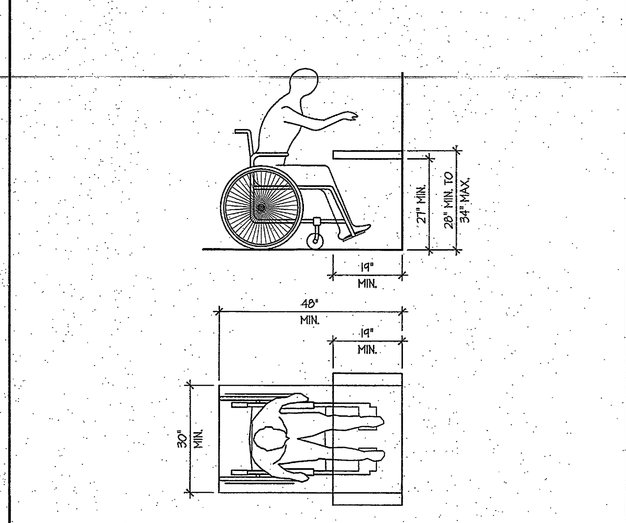
Delete ADD #1

NOTE: THERE SHALL BE NO SHARP OR ABRASIVE SURFACES BELOW COUNTER.

COUNTERTOP SECTION | SCALE: 1" = 1'-0" | 12



MTG. HTS. FOR LIGHT SWITCHES, OUTLETS, ETC. | SCALE: 1/2" = 1'-0" | 14



REQUIRED KNEE CLEARANCES | AHK 3/22/03 | SCALE: N.T.S. | 15

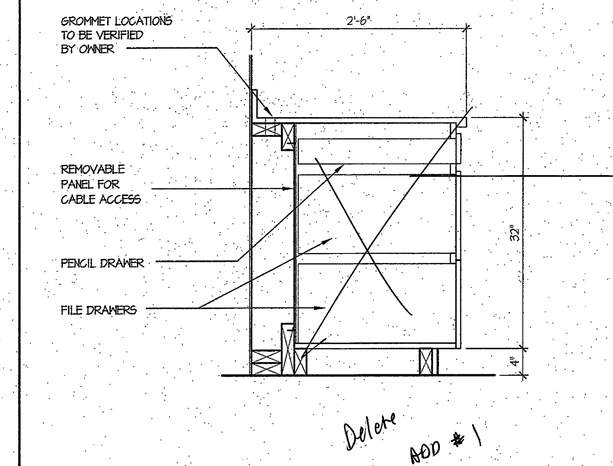
consultant

San Elijo Student Center
MiraCosta College
MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007
owner

tBP project number : 2048.10
file name: DTL60I.DWG
drawn by: SW checked by:
date: 04/18/06

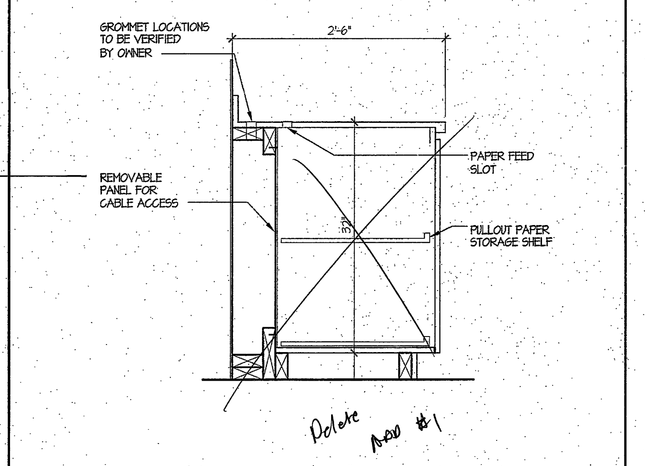
Rev.	date:	description:

drawing title: TYPICAL CASEWORK DETAILS
building no.:
drawing no.: 6.01
drawing 35 of 107



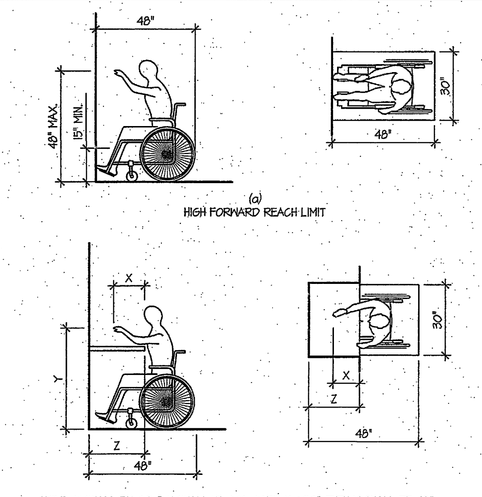
Delete ADD #1

BASE CABINET SECTION - WITH DRAWERS | SCALE: 1" = 1'-0" | 17

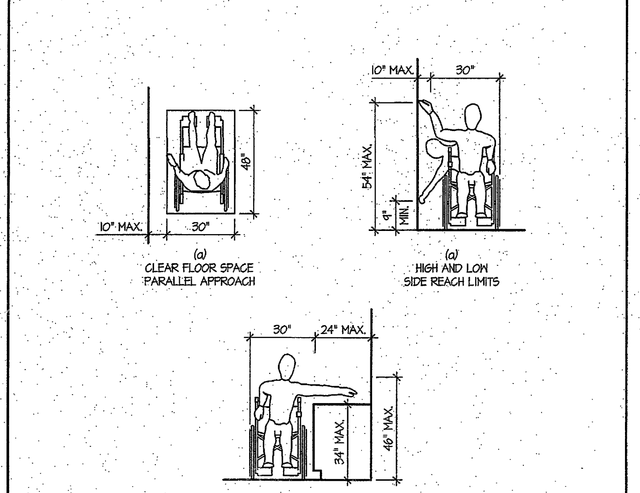


Delete ADD #1

BASE CABINET SECTION - PAPER STOR./ PRINTER | SCALE: 1" = 1'-0" | 18

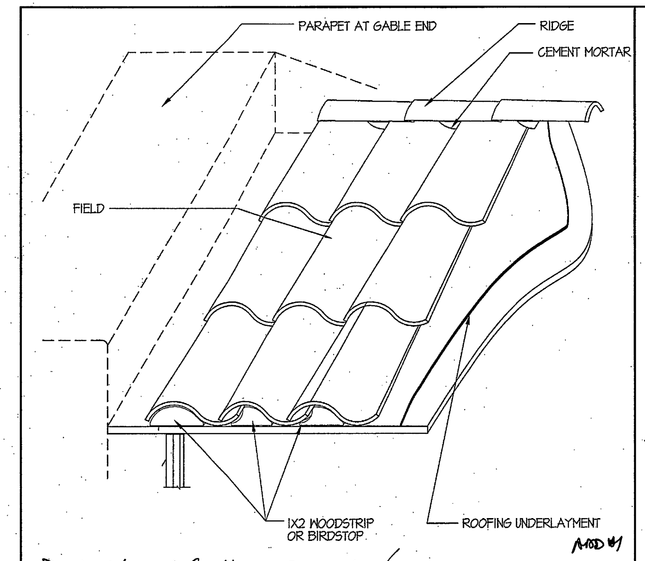


FORWARD REACH ACCESSIBILITY | AHK 3/22/03 | SCALE: N.T.S. | 19



SIDE REACH ACCESSIBILITY | AHK 3/22/03 | SCALE: N.T.S. | 20

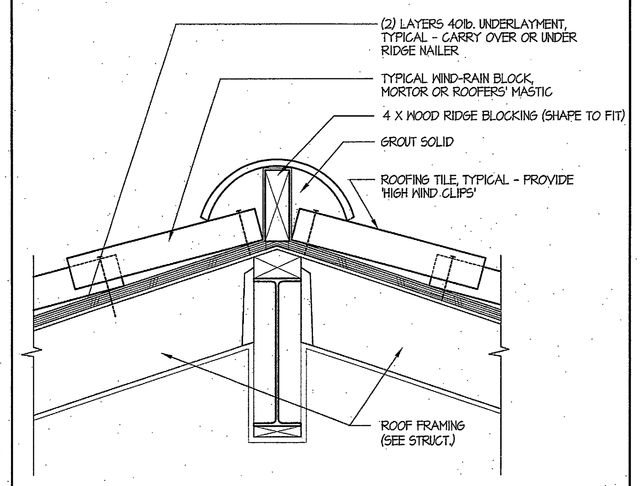
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007 REFERENCE DOCUMENTS ONLY.



Deck Edge at Gridlines I and H / where they are not cricketed

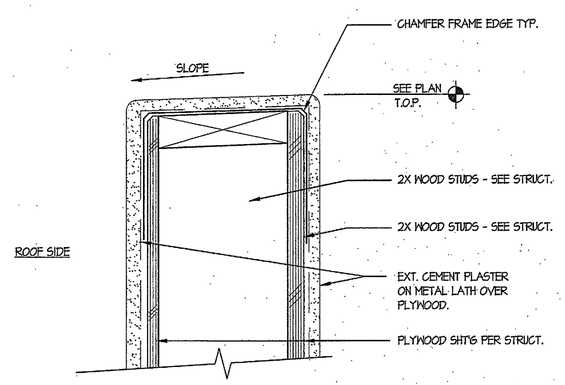
~~RIDGE, FIELD, GABLE DETAIL~~ 1

SCALE: 1" = 1'-0"



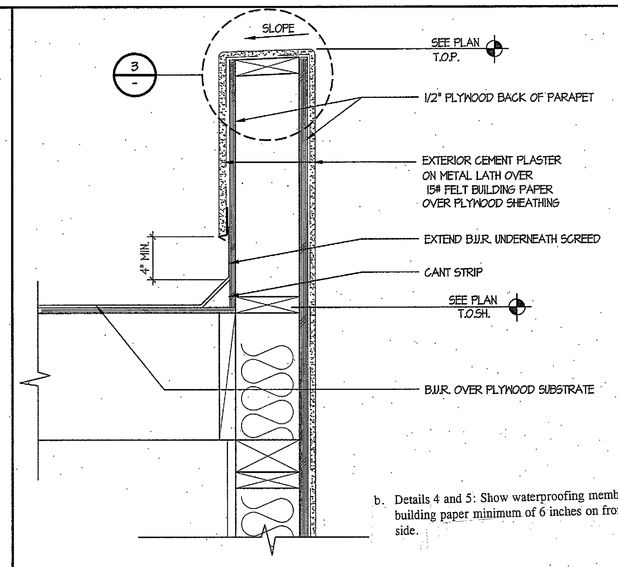
RIDGE DETAIL 2

SCALE: 1" = 1'-0"



PARAPET COPING 3

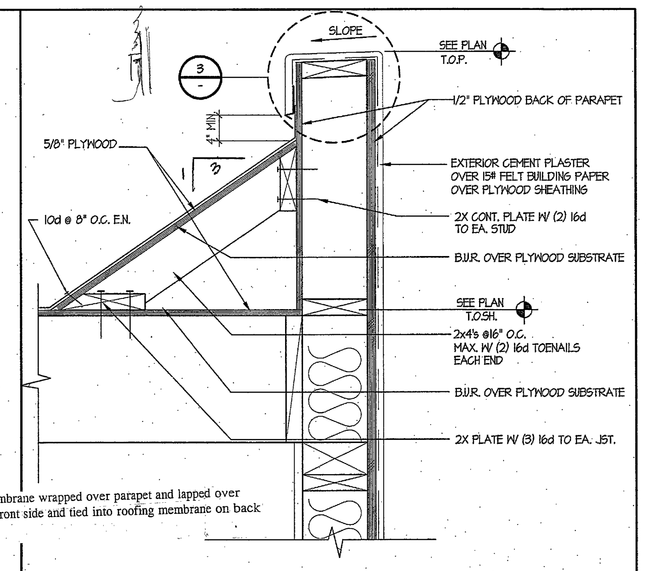
SCALE: 3" = 1'-0"



b. Details 4 and 5: Show waterproofing membrane wrapped over parapet and lapped over building paper minimum of 6 inches on front side and tied into roofing membrane on back side.

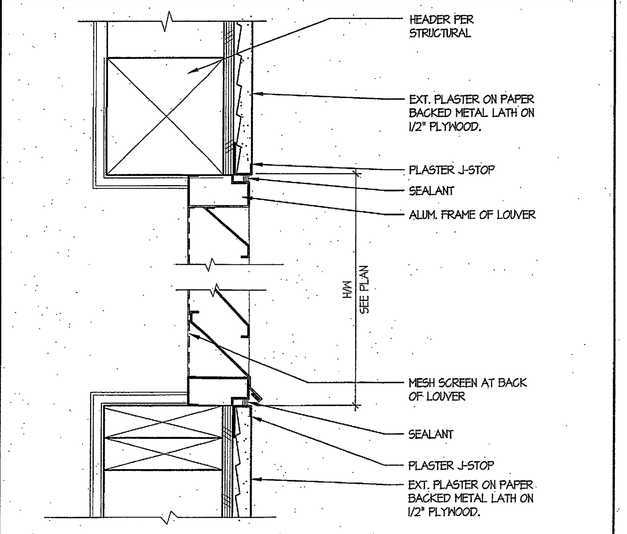
PARAPET FLASHING - WOOD STUDS 4

SCALE: 1-1/2" = 1'-0"



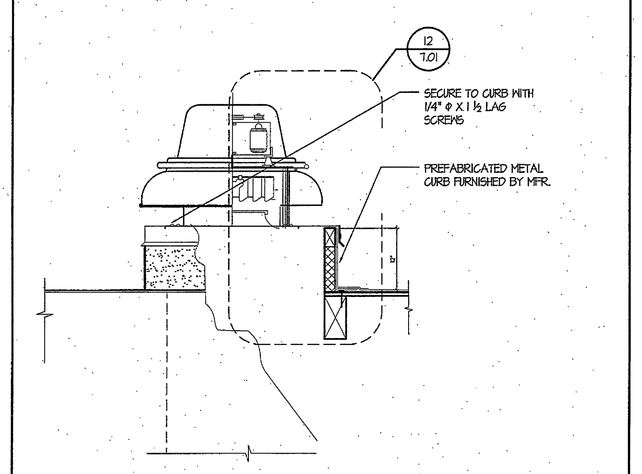
ROOF CRICKET SECTION - WOOD STUDS 5

SCALE: 1-1/2" = 1'-0"



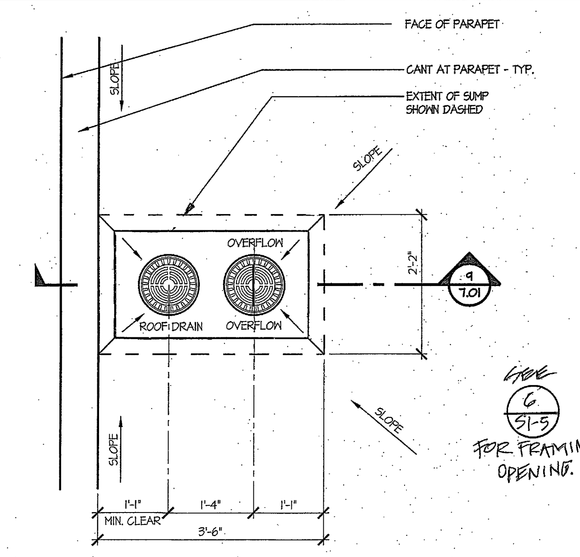
LOUVER AT EXTERIOR WALL 6

SCALE: 3" = 1'-0"



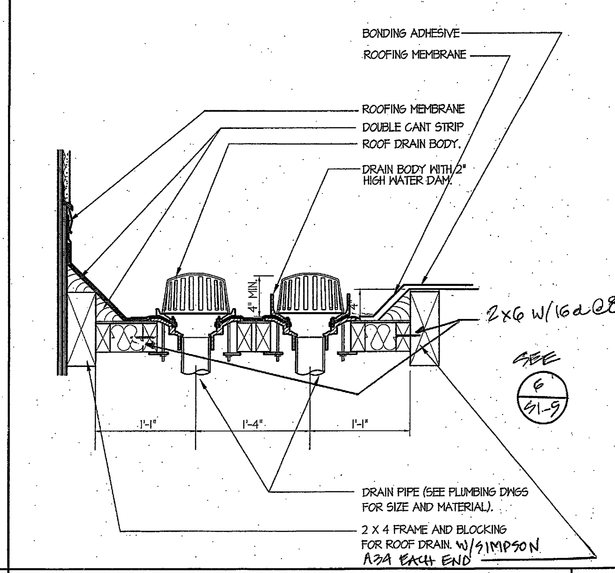
EXHAUST FAN 7

SCALE: 3/4" = 1'-0"



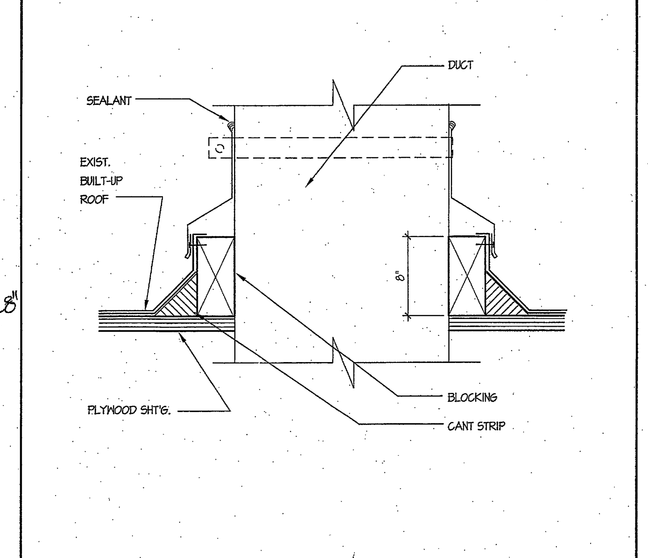
ROOF DRAIN - SUMP PLAN 8

SCALE: 3/4" = 1'-0"



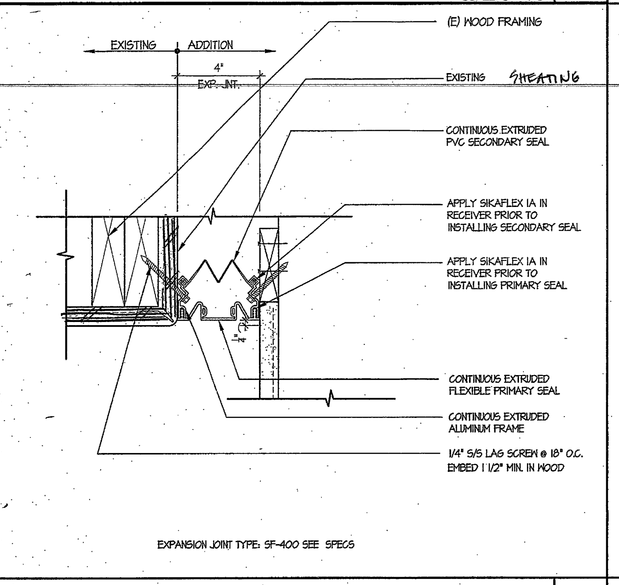
ROOF DRAIN - SECTION 9

SCALE: 1" = 1'-0"



DUCT PENETRATION DETAIL 10

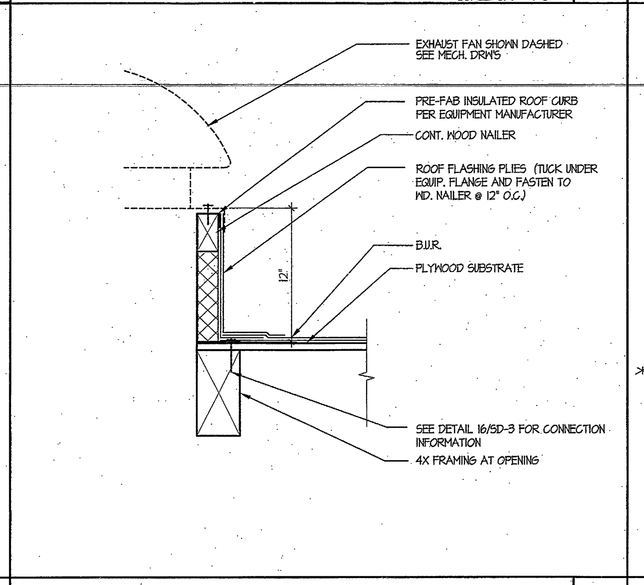
SCALE: 3" = 1'-0"



EXPANSION JOINT TYPE: SF-400 SEE SPECS

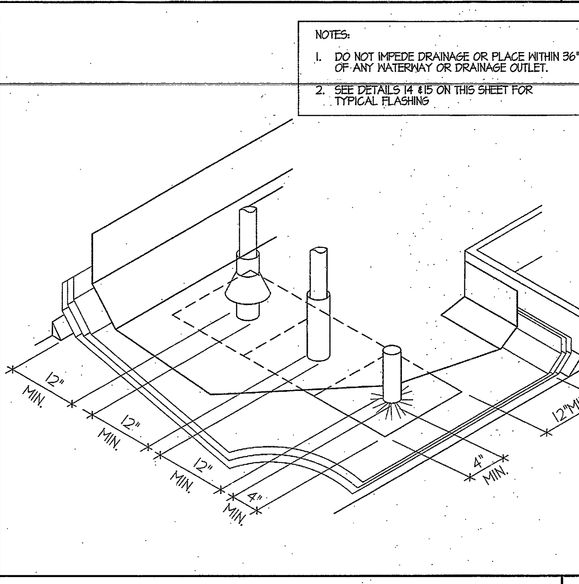
EXPANSION JOINT COVER @ EXT. WALL 11

SCALE: 3"=1'-0"



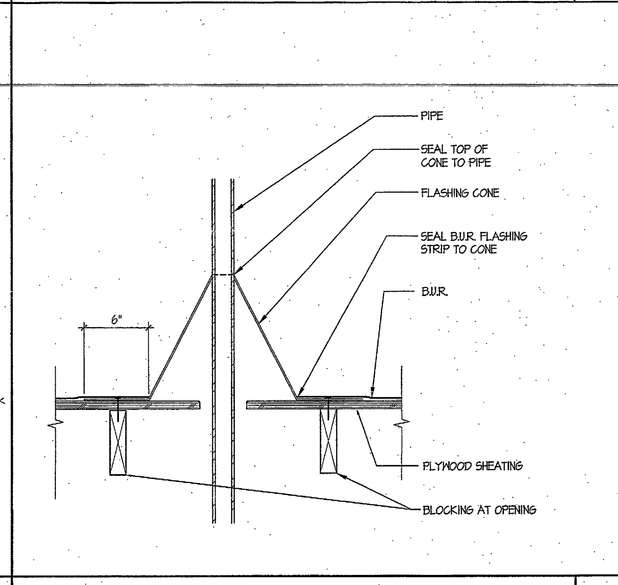
MECH. EQUIPMENT CURB DETAIL 12

SCALE: 1½" = 1'-0"



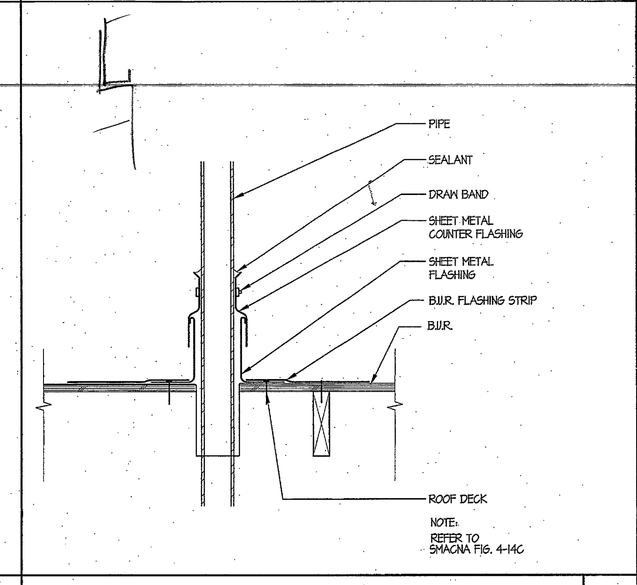
CLEARANCE FOR MULTIPLE PIPES 13

SCALE: 1-1/2" = 1'-0"



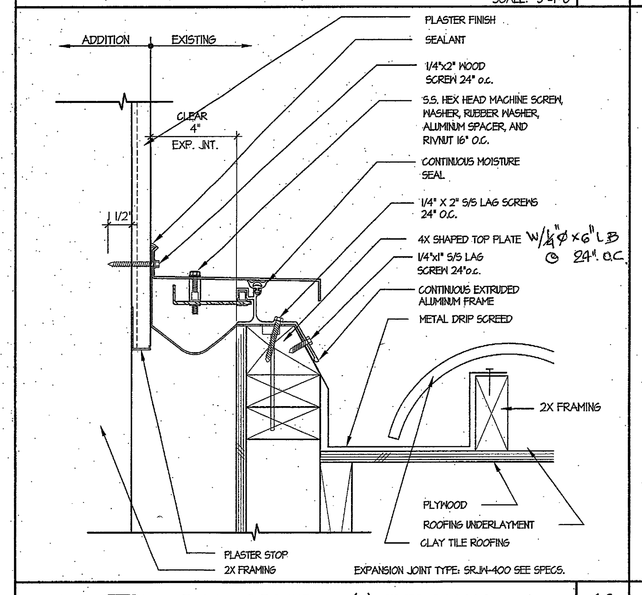
PIPE PENETRATION 2"ø AND LESS 14

SCALE: 1½" = 1'-0"



PIPE PENETRATION LARGER THAN 2"ø 15

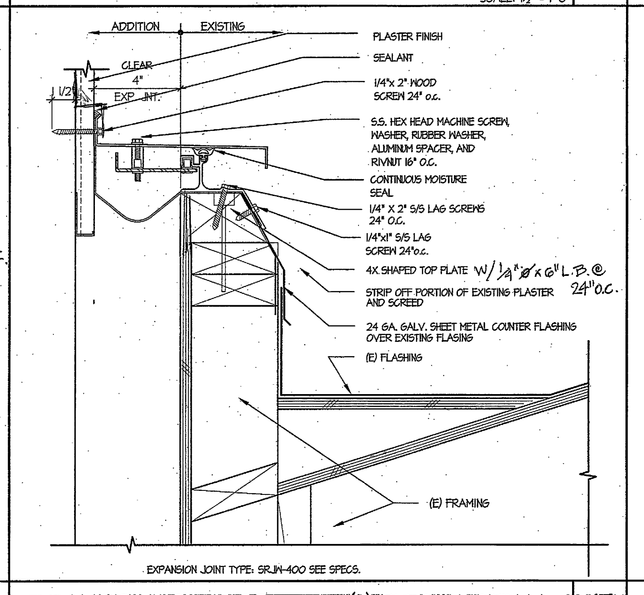
SCALE: 1½" = 1'-0"



EXPANSION JOINT TYPE: SRJM-400 SEE SPECS.

EXPANSION JOINT COVER @ (E) EXT. WALL 16

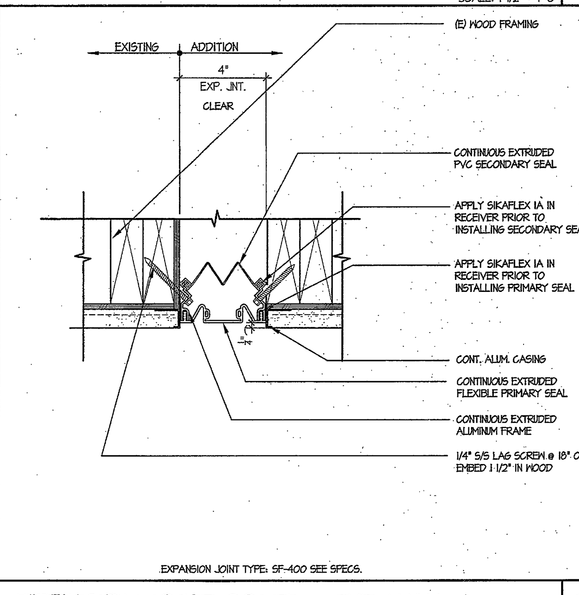
SCALE: 3"=1'-0"



EXPANSION JOINT TYPE: SRJM-400 SEE SPECS.

EXPANSION JOINT COVER @ (E) EXT.PARAPET 17

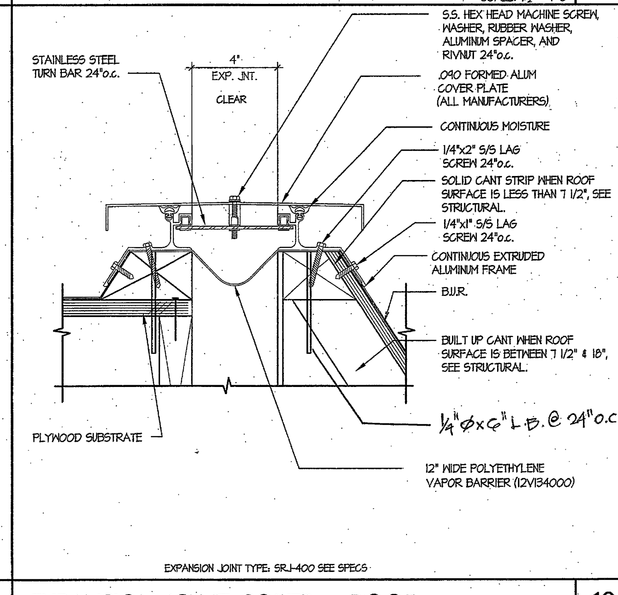
SCALE: 3"=1'-0"



EXPANSION JOINT TYPE: SF-400 SEE SPECS.

EXPANSION JOINT COVER @ EXT. WALL 18

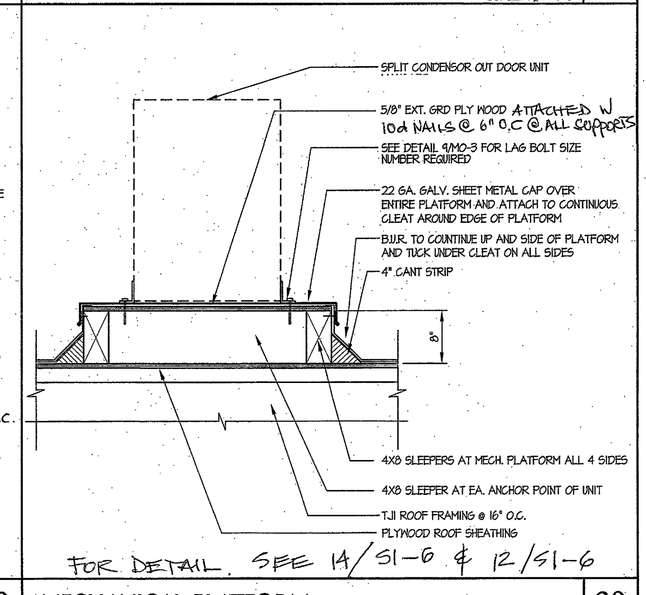
SCALE: 3"=1'-0"



EXPANSION JOINT TYPE: SRJ-400 SEE SPECS

EXPANSION JOINT COVER @ ROOF 19

SCALE: 3"=1'-0"



FOR DETAIL, SEE 14/S1-6 & 12/S1-6

MECHANICAL PLATFORM

SCALE: 1" = 1'-0"

20

tBP architecture planning interiors management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

consultant

DESTRUCTION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGIONAL SERVICES
04-107979
AC ___ EC ___ SS ___ DL ___
DATE SEP 2 8 2006

Division of the State Architect
16680 West Benardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048.10
file name: DTL-OTOLDNG
drawn by: PM checked by: GB
date: 04/18/06

Rev:	date:	description:

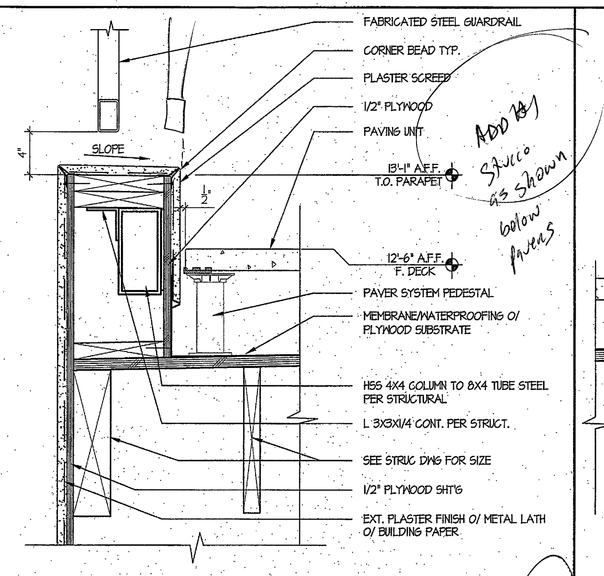
drawing title: ROOF DETAILS

building no:

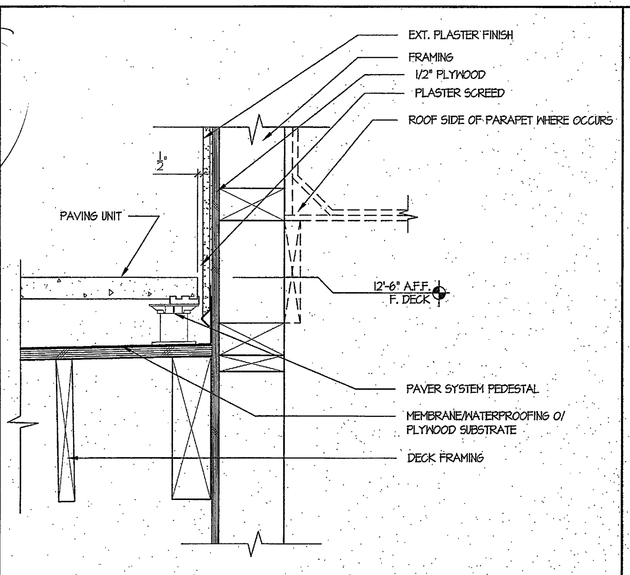
drawing no: 7.01

drawing 36 of 109

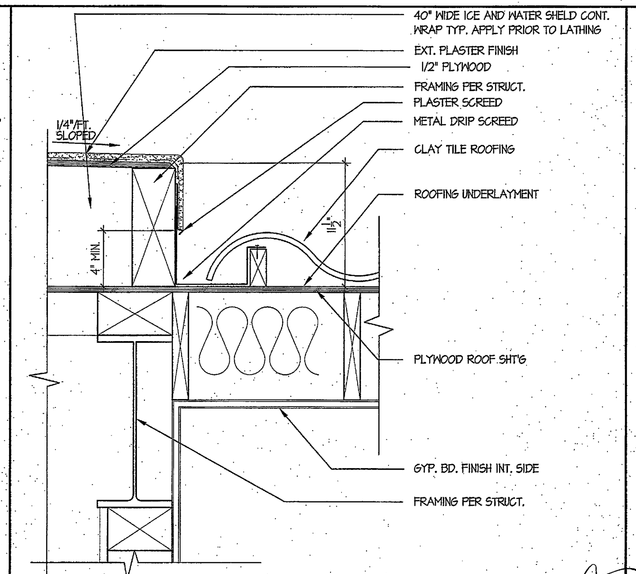
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



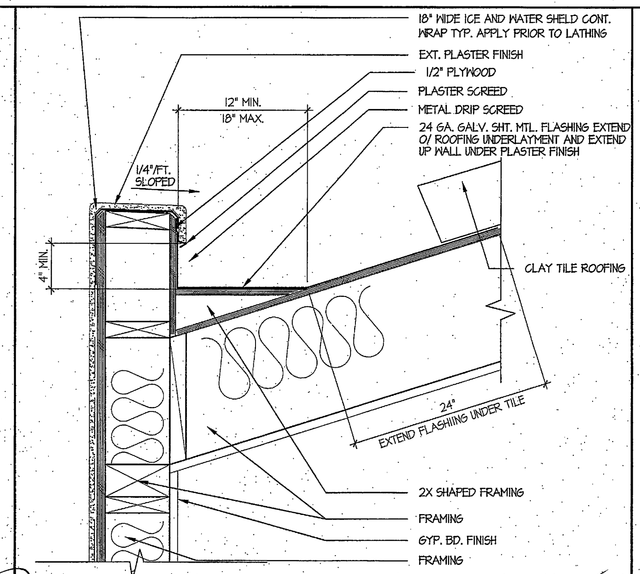
DECK EDGE AT GRID LINE '1' — SCALE: 1½" = 1'-0" — 1



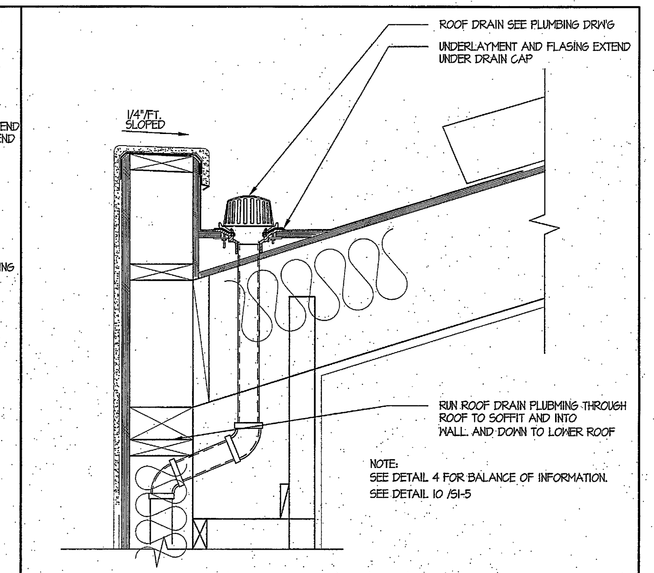
DECK EDGE AT GRID LINE '3.1' — SCALE: 1½" = 1'-0" — 2



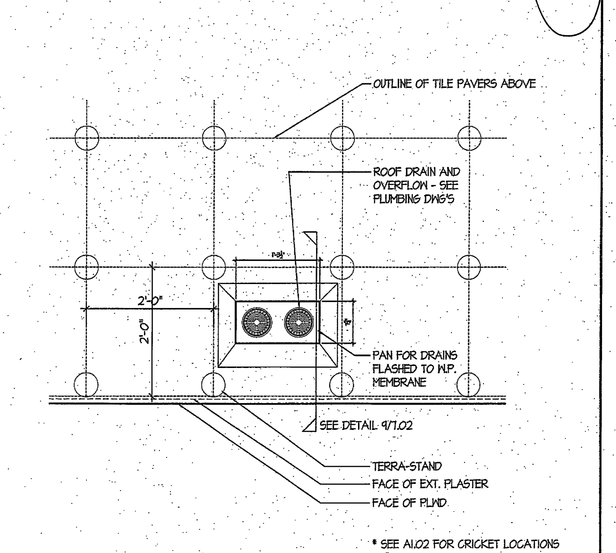
ROOF RAKE AT HIGH ROOF — SCALE: 1½" = 1'-0" — 3



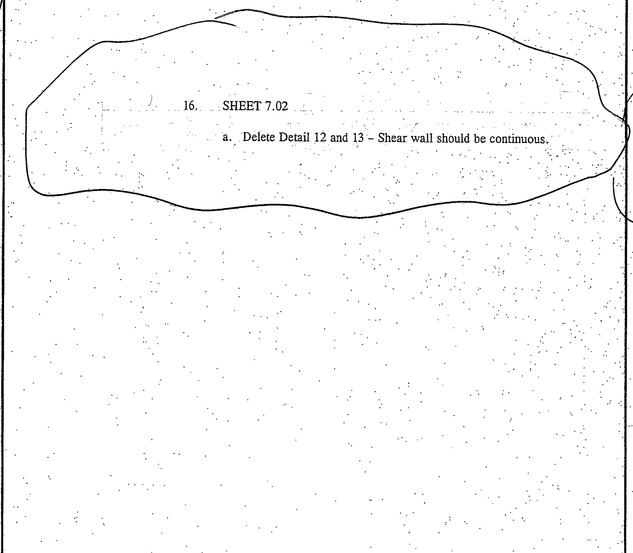
ROOF GUTTER — SCALE: 1½" = 1'-0" — 4



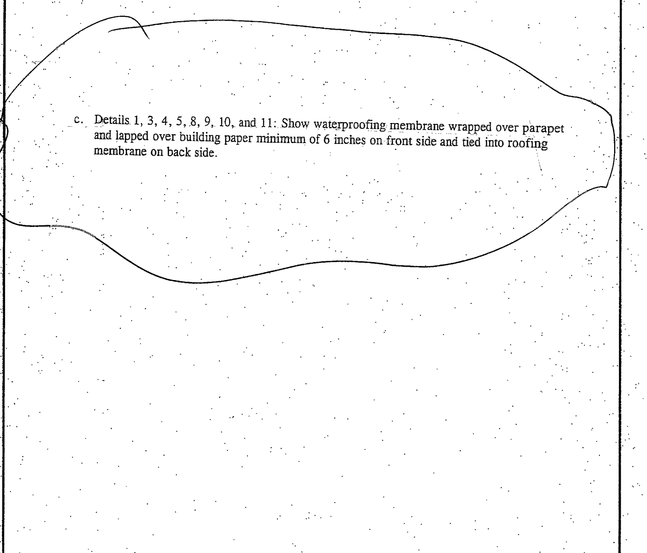
ROOF DRAIN AT GUTTER — SCALE: 1½" = 1'-0" — 5



DECK EDGE @ 'D-4' — SCALE: 1½" = 1'-0" — 6



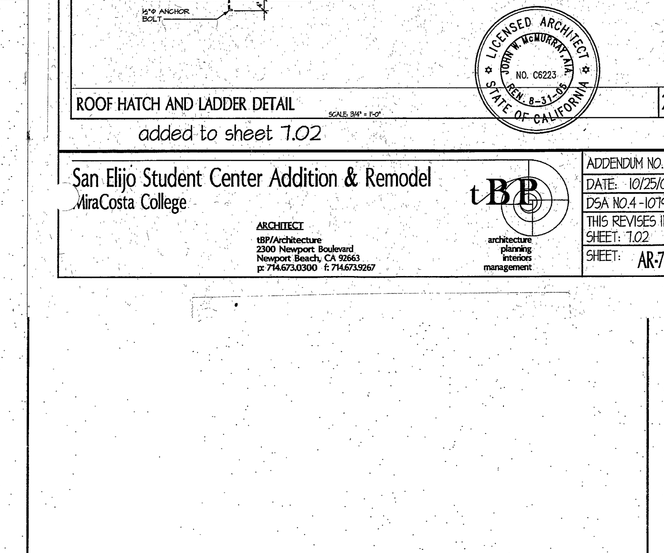
DECK EDGE AT GRID 'H' ('E' SIM.) — SCALE: 1½" = 1'-0" — 7



GUARDRAIL PILASTER SECTION — SCALE: 1" = 1'-0" — 8



ROOF DRAIN AT DECK EDGE — SCALE: 1½" = 1'-0" — 9



MAINTAINANCE DOOR AT DECK — SCALE: 1½" = 1'-0" — 10

GUARDRAIL PILASTER CAP SECTION — SCALE: 1½" = 1'-0" — 11

DOOR AT MECHANICAL ACCESS — SCALE: 1/2" = 1'-0" — 12

16. SHEET 7.02

a. Delete Detail 12 and 13 – Shear wall should be continuous.

HINGE AT MECHANICAL DOOR DETAIL — SCALE: 3" = 1'-0" — 13

c. Details 1, 3, 4, 5, 8, 9, 10, and 11: Show waterproofing membrane wrapped over parapet and lapped over building paper minimum of 6 inches on front side and tied into roofing membrane on back side.

NOTE: 1. PROVIDE BUILT-UP CANT AS SHOWN WHEN TOP OF CANT TO ROOF SURFACE IS BETWEEN 1'-6" AND 7-1/2".
2. PROVIDE SOLID WOOD CANT WHEN TOP OF CANT TO ROOF SURFACE IS LESS THAN 7-1/2".
3. REFER TO DETAIL 19/7.01 FOR ADDITIONAL INFORMATION AND DETAILS INCLUDING EXPANSION JOINT COVER, ROOFING, ETC.

EXPANSION JOINT AT ROOF — SCALE: 1" = 1'-0" — 14

ROOF HATCH AND LADDER DETAIL — SCALE: 3/4" = 1'-0" — 20

added to sheet 7.02

ROOF DRAIN AT WALL DETAIL — SCALE: 3/4" = 1'-0" — 16

tBP architecture planning interiors management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

consultant

DEMOLITION STAMP
DSA/SS/CC
04-107979
AC 15 05
DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

MiraCosta College
MiraCosta College • San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

t number : 2048410

DTL-0701.DWG

PM checked by: GB

06

e: description:

ADDENDUM NO. - 1
DATE: 10/25/06
DSA NO.4 -107979
THIS REVISES IN PART
SHEET: 7.02
SHEET: AR-7

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 714.673.0300 f: 714.673.9267

tBP architecture planning interiors management

drawing title: building no:
ROOF AND DECK DETAILS

drawing no:
7.02
drawing 37 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

GENERAL NOTES

1. LETTER "P" FOLLOWING "DOOR TYPE" LETTER IN DOOR SCHEDULE INDICATES PAIR OF DOORS. BOTH DOORS LEAVES ARE THE SAME SIZE, UNLESS NOTED OTHERWISE.
2. DOORS SHALL BE 1 3/4" THICK, UNLESS NOTED OTHERWISE OR SPECIFIED.
3. LETTER "X" FOLLOWING "DOOR TYPE" LETTER INDICATES FIXED PANEL ABOVE DOOR LEAF. SCHEDULE DIMENSION INCLUDES PANEL, UNLESS NOTED OTHERWISE
4. FIXED PANELS SHALL BE OF THE SAME MATERIAL, CONSTRUCTION, AND THICKNESS AS DOOR LEAF AND SHALL BE PROVIDED BY THE SAME MANUFACTURER, U.N.O. OR SPECIFIED.
5. GLAZING IN ALL FIRE RATED DOORS SHALL BE U.L. LISTED, 1/4" THICK, 45 MIN. WIRE GLASS, INSTALLED IN STEEL FRAMES.
6. GLAZING IN NON-RATED EXTERIOR DOORS SHALL BE TINTED TEMPERED GLASS.
7. LETTER "L" FOLLOWING "DOOR TYPE" LETTER INDICATES DOORS WITH LOUVERS. SEE DOOR TYPE FOR LOUVER SIZE.
8. LOUVERS IN EXTERIOR DOORS SHALL BE VANDAL-PROOF, SECURITY TYPE.
9. FIRE DOORS, FIRE WINDOWS AND FIRE DAMPERS SHALL HAVE AN APPROVED LABEL OR LISTING MARK, INDICATING FIRE-PROTECTION RATING, WHICH IS PERMANENTLY AFFIXED AT FACTORY OF MANUFACTURER.
10. FIRE ASSEMBLIES REQUIRED TO HAVE A 1-1/2 HOUR, 1 HOUR OR 3/4 HOUR FIRE-PROTECTION RATING SHALL BE EITHER AUTOMATIC- OR SELF-CLOSING FIRE ASSEMBLIES. AUTOMATIC-CLOSING FIRE ASSEMBLIES TO BE ACTIVATED BY AN INCREASE IN TEMPERATURE SHALL HAVE HEAT-ACTUATING DEVICES LOCATED AS REQUIRED BY CBC 713.6.1 ITEM 1 OR BY SINGLE FUSABLE LINK IN OPENING INCORPORATED IN CLOSING DEVICE.
11. SEE SPECIFICATIONS FOR ACOUSTIC DOOR TYPE REQUIREMENTS

EXIT DOOR REQUIREMENTS

ALL EXIT DOORS IN BUILDINGS, INCLUDING BUT NOT LIMITED TO DOORS OF TOILETS & STORAGE ROOMS, SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE THE FOLLOWING ARE SOME OF THE REQUIREMENTS:

- EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30 AND 44 IN. ABOVE FINISH FLOOR.
- DEAD BOLTS ARE NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT LEVER TYPE HARDWARE.
- ALL ROOMS SERVING AN OCCUPANT LOAD OF 50 OR GREATER AND DOORS LOCATED ON THE DISCHARGE OF EXIT CORRIDORS ARE REQUIRED TO BE PROVIDED WITH PANIC HARDWARE (CBC 1007.3.10).
- ALL FIRE DOOR LABELS SHALL COMPLY WITH C.B.C. 713.3

ABBREVIATIONS

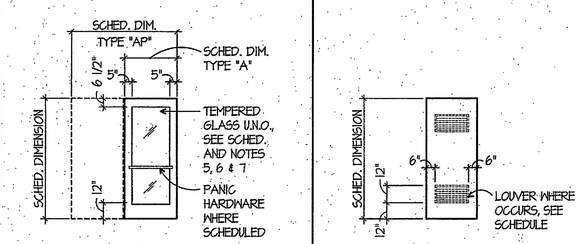
AFP	ACCORDION TYPE PARTITION
ALUM	ALUMINUM
AS	ACID STAIN
ATFD	ACCORDION TYPE FIRE DOOR
DEM PART	DEMOUNTABLE PARTITION
EP	EPOXY PAINT
F	FACTORY FINISH
FFD	FOLDING FABRIC DOOR
FPP	FOLDING PANEL PARTITION
FPWD	FOLDING PANEL WOOD DOOR
GL	GLASS
HCN.	HOLLOW CORE NATURAL FINISH
HCP	HOLLOW CORE PAINT FINISH
HM.	HOLLOW METAL
LAQ	LACQUER FINISH
MCN.	MINERAL CORE NATURAL FINISH
MCP	MINERAL CORE PAINT FINISH
PE	PAINT EGGSHELL
PF	PAINT FLAT
PG	PAINT GLOSS
P.H.	EMERGENCY EGRESS HARDWARE
PS	PREFINISHED STEEL
PSG.	PAINT SEMI-GLOSS
S.	SEAL
SCN.	SOLID CORE NATURAL FINISH
SCP	SOLID CORE PAINT FINISH
SCPL	SOLID CORE PLASTIC LAMINATE
SF	STAIN FINISH
SST	STAINLESS STEEL
STL	STEEL
UG.	UNGLAZED
VF.	VARNISH
W	WAX

DOOR SCHEDULE

DOOR NO.		DIMENSION WIDTH	DIMENSION HEIGHT	DOOR TYPE	DOOR MAT.	DOOR FINISH	DOOR COLOR	FRAME MAT.	FRAME FINISH	FRAME COLOR	DETAILS HEAD	DETAILS TRANSOM	DETAILS JAMB	DETAILS JAMB	DETAILS THRESHOLD	DOOR ASSEMBLY RATING	REMARKS	SIGNAGE TEXT	SIGNAGE DETAIL	DOOR NO.
EXTERIOR DOORS																				
101A	-	PR 3'-0"	8'-0"	AP	ALUM.	F	--	ALUM.	F		3 8.10	-	8 8.10	8 8.10	15 8.10		CLOSER, PH	EXIT	3, 4, 20	101A
																		DINING ROOM	11.01	
101B	-	PR 3'-0"	8'-0"	AP	ALUM.	F	--	ALUM.	F		3 8.10	-	8 8.10	8 8.10	15 8.10		CLOSER, PH automatic door operator	EXIT	3, 4, 20	101B
																		DINING ROOM	11.01	
105	-	3'-0"	8'-0"	D	HM	PSG	--	HM	PSG		5 8.10	-	10 8.10	10 8.10	15 8.10		louver per m1.1	-	3	105
																		EQUIPMENT	11.01	
111	-	3'-6"	8'-0"	D	HM	PSG	--	HM	PSG		5 8.10	-	10 8.10	10 8.10	15 8.10		-	EXIT	3, 4	111
																		KITCHEN OFFICE	11.01	
113	-	PR 3'-0"	8'-0"	DP	HM	PSG	--	HM	PSG		5 8.10	-	10 8.10	10 8.10	15 8.10		-	EXIT	3, 4	113
																		RECEIVING	11.01	
114	-	3'-0"	8'-0"	D	HM	PSG	--	HM	PSG		5 8.10	-	10 8.10	10 8.10	15 8.10		-	ELECTRICAL	3	114
																			11.01	
115B	-	PR 3'-0"	8'-0"	AP	ALUM	F	--	ALUM	F		3 8.10	-	8 8.10	8 8.10	15 8.10		CLOSER, PH	EXIT	3, 4, 20	115B
																		BOOKSTORE	11.01	
EI17	-	3'-0"	8'-0"	D	HM	PSG	--	HM	PSG		- -	- -	- -	10 8.10	15 8.10		louver per m1.1 EXISTING DOOR TO REMAIN	-	3	EI17
																		MECHANICAL	11.01	
EI18	-	3'-0"	8'-0"	D	H.M.	PSG	--	H.M.	PSG		- -	- -	- -	- -	- -		EXISTING DOOR TO REMAIN CLOSER- REMOVE LATCH	EXIT	4, 13, 14	EI18
																		MEN	11.01	
EI19	-	3'-0"	8'-0"	D	H.M.	PSG	--	H.M.	PSG		- -	- -	- -	- -	- -		EXISTING DOOR TO REMAIN CLOSER - REMOVE LATCH	EXIT	4, 13, 14	EI19
																		WOMEN	11.01	
121B	-	3'-0"	8'-0"	D	H.M.	PSG	--	H.M.	PSG		5 8.10	-	10 8.10	10 8.10	15 8.10			EXIT	3, 4	121B
																		EXAM	11.01	
122	-	3'-0"	8'-0"	A	ALUM HM	PSG	--	H.M.	PSG		5 8.10	-	10 8.10	10 8.10	15 8.10			EXIT	3, 4	122
																		WAITING	11.01	
124	-	3'-0"	8'-0"	A	ALUM HM	PSG	--	H.M.	PSG		5 8.10	-	10 8.10	10 8.10	15 8.10			EXIT	3, 4	124
																		OFFICE	11.01	
125A	-	3'-0"	8'-0"	A	ALUM HM	PSG	--	H.M.	PSG		5 8.10	-	10 8.10	10 8.10	15 8.10		CLOSER, PH	EXIT	3, 4	125A
																		CONFERENCE 'B'	11.01	
126B	-	3'-0"	8'-0"	A	ALUM HM	PSG	--	H.M.	PSG		5 8.10	-	10 8.10	10 8.10	15 8.10		CLOSER, PH	EXIT	3, 4	126B
																		CONFERENCE 'A'	11.01	
113A		PR 3-0	8-0		SCP	P		Hm	PSG											
~~201~~		~~3'-0"~~	~~4'-6"~~		~~H.M.~~	~~PSG~~		~~H.M.~~	~~PSG~~				10 8.10	10 8.10			~~ROOF ACCESS GATE WITH PERSONNEL ONLY~~		3 11.01	~~201~~
INTERIOR DOORS																				
102A	-	3'-0"	7'-0"	B	SCP	PSG	--	HM	PSG		4 8.10	-	9 8.10	9 8.10	-		--	KITCHEN	3	102A
																		FOOD SERVICES	11.01	
102B	-	4'-6"	9'-0"	E	ALUM.	F	--	STL	-		10 8.20	-	3 8.20	3 8.20	-		MOTORIZED OH COILING GRILLE	FOOD SERVICES	3	102B
																		DINING	11.01	
102C	-	7'-3"	9'-0"	E	ALUM	F	--	STL	--		10 8.20	12 8.81	3 8.20	3 8.20	-		MOTORIZED OH COILING GRILLE	FOOD SERVICES	3, 9	102C
																		DINING, TO EXIT	11.01	
106A	-	3'-0"	7'-0"	B	SCP	PSG	--	HM	PSG		4 8.10	-	- 8.81	- 8.10	- 8.10	45	DBL. ACTING, ~~FIRE RATED~~	PREP AREA	3	106A
																		KITCHEN	11.01	
106B	-	3'-0"	7'-0"	B	SCP	PSG	--	HM	PSG		4 8.10	-	- 8.81	- 8.10	- 8.10	45	~~FIRE RATED~~ undercut per m1.1	PREP AREA	3	106B
																		KITCHEN	11.01	
108	-	3'-0"	7'-0"	B	SCP	PSG	--	H.M.	PSG		4 8.10	-	9 8.10	9 8.10	- 8.10		undercut per m1.1	STORAGE	3	108
																		-	11.01	
109	-	3'-0"	7'-0"	D	SCP	PSG	--	HM	PSG		4 8.10	-	9 8.10	9 8.10	- 8.10		undercut per m1.1	DRY STORAGE	3	109
																		-	11.01	
110	-	3'-0"	7'-0"	D	SCP	PSG	--	HM	PSG		4 8.10	-	9 8.10	9 8.10	- 8.10		--	CUSTODIAN	3	110
																		-	11.01	
115A	-	PR 3'-0"	7'-0"	BP	SCP	PSG	--	H.M.	PSG		4 8.10	-	9 8.10	9 8.10	- 8.10		--	RECEIVING	3	115A
																		BOOKSTORE	11.01	
115C	-	PR 3'-0"	7'-0"	AP	ALUM	F	--	ALUM	F		2 8.10	-	8 8.10	8 8.10	- 8.10		CLOSER, PH	DINING	3, 9, 20	115C
																		BOOKSTORE	11.01	
116	-	3'-0"	7'-0"	D	HM	PSG	--	HM	PSG		4 8.10	-	9 8.10	9 8.10	- 8.10		LOUVER	-	3	116
																		CUSTODIAN	11.01	
120A	-	3'-0"	7'-0"	D	SCP	PSG	--	H.M.	PSG		4 8.10	-	19 8.10	19 8.10	20 8.10		UNDERCUT	-	13, 14	120A
																		UNISEX	11.01	
120B	-	3'-0"	7'-0"	D	SCP	PSG	--	H.M.	PSG		4 8.10	-	19 8.10	19 8.10	20 8.10			-	13, 14	120B
																		UNISEX	11.01	
121A	-	3'-0"	7'-0"	D	SCP	PSG	--	H.M.	PSG		4 8.10	-	9 8.10	9 8.10	14 8.10			EXAM	3, 9	121A
																		WAITING	11.01	
123	-	3'-0"	7'-0"	B	SCP	PSG	--	H.M.	PSG		4 8.10	-	9 8.10	9 8.10	14 8.10		-	TO EXIT	3	123
																		OFFICE	11.01	
125B	-	VERIFY MANUF.	VERIFY MANUF.	FPP	STL	F	--	H.M.	PSG			-					MOTORIZED FPP / DOOR. VERIFY MAN.	-		125B
																		-	11.01	
125C	-	5'-4"	10'-0"	-	STL	F	--	H.M.	PSG		17 8.10	-	17 8.10	17 8.10	-		FPP STORAGE DOOR	-		125C
																		-	11.01	
126A	-	PR 3'-0"	7'-0"	~~AC~~	SCP	PSG	--	H.M.	PSG		4 8.10	-	9 8.10	9 8.10	14 8.10		CLOSER, PH	DINING, TO EXIT	3, 9	126A
																		CONFERENCE 'A'	11.01	
127	-	3'-0"	7'-0"	B	SCP	PSG	--	ALUM HM	PSG		4 8.10	-	9 8.10	9 8.10	14 8.10			-	3	127
																		ST. SVC. COORD.	11.01	
128	-	3'-0"	7'-0"	B	SCP	PSG	--	ALUM HM	PSG		4 8.10	-	9 8.10	9 8.10	14 8.10			-	3	128
																		ST. SVC. COORD.	11.01	
129	-	3'-0"	7'-0"	A	ALUM ~~SCP~~	PSG	--	H.M.	PSG		4 8.10	-	9 8.10	9 8.10	14 8.10		-	DINING	3	129
																		ST. GOVT. OFFICE	11.01	
130	-	3'-0"	7'-0"	B	SCP	PSG	--	ALUM HM	PSG		4 8.10	-	9 8.10	9 8.10	14 8.10		- -	-	3	130
																		STUDENT ORG.	11.01	

Dolelv MOD #1

RFI #41, Type "C" Pair of doors



DOOR TYPE	A	AP	DOOR TYPE	B	BP	DOOR TYPE	C	DOOR TYPE	D	DP	DOOR TYPE	E

tBP architecture planning interiors management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

REGISTERED ARCHITECT JAMES R. MCMANIGAL No. C-23487 STATE OF CALIFORNIA

architect

consultant

DSA/DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04-107979
ACCESS NO. 55
DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048.10

file name: D11-0801.dwg

drawn by: GT checked by: PM

date: 04/18/06

Rev:	date:	description:

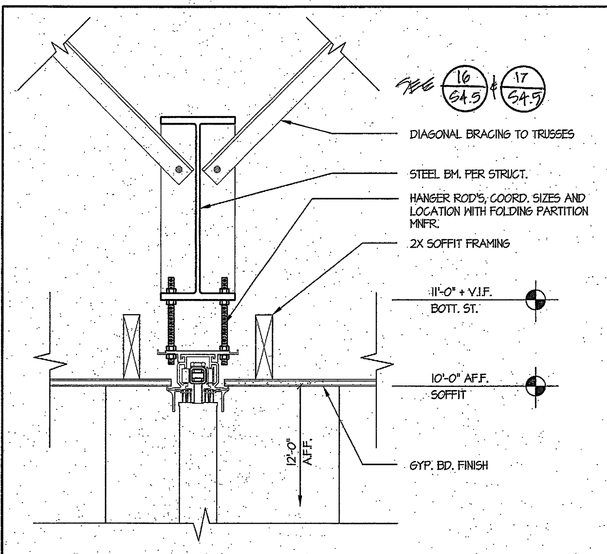
drawing title: DOOR SCHEDULE

building no:

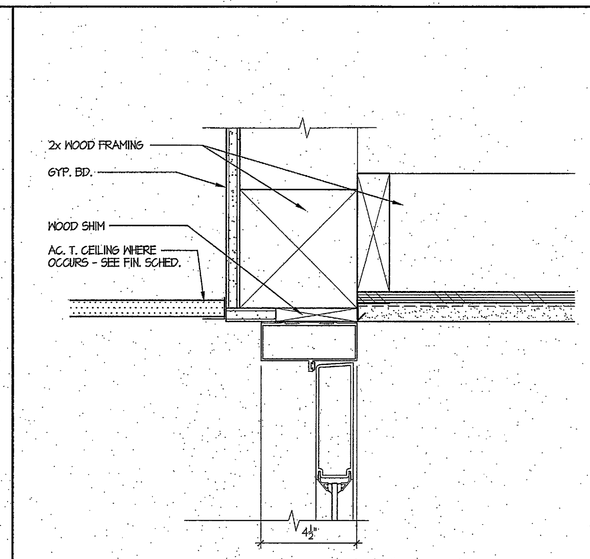
drawing no: 8.01

drawing 38 of 109

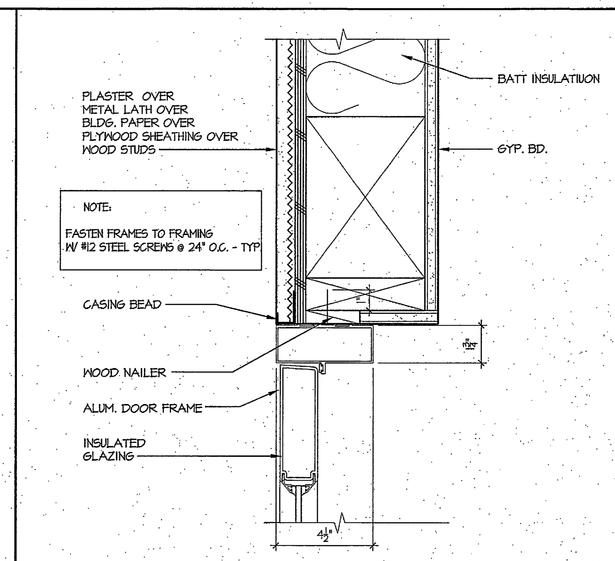
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



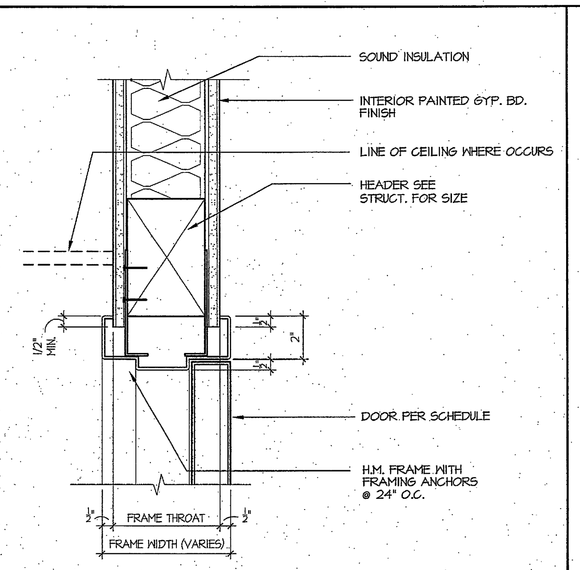
OPERABLE WALL HEAD AT SOFFIT — SCALE: 1-1/2" = 1'-0" — 1



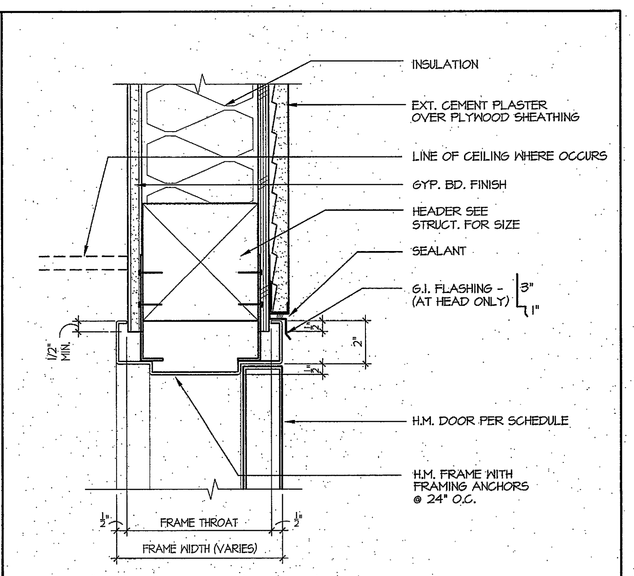
ALUMINUM STOREFRONT INTERIOR HEAD — SCALE: 3" = 1'-0" — 2



ALUMINUM STOREFRONT HEAD — SCALE: 3" = 1'-0" — 3



INTERIOR HEAD — SCALE: 3" = 1'-0" — 4



EXT. HEAD (JAMB SIM.) — SCALE: 3" = 1'-0" — 5

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

REGISTERED ARCHITECT — STATE OF CALIFORNIA

architect

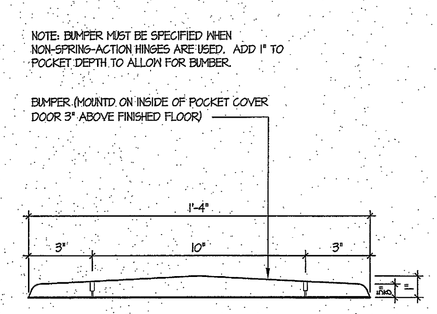
consultant

DEPARTMENT OF GENERAL SERVICES
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION # 04-107979
ACTION: DSA-SS
DATE: SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

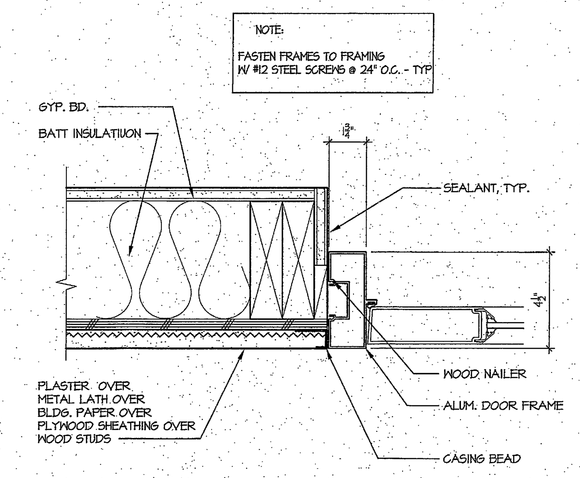
NOTE: BUMPER MUST BE SPECIFIED WHEN NON-SPRING-ACTION HINGES ARE USED. ADD 1" TO POCKET DEPTH TO ALLOW FOR BUMPER.



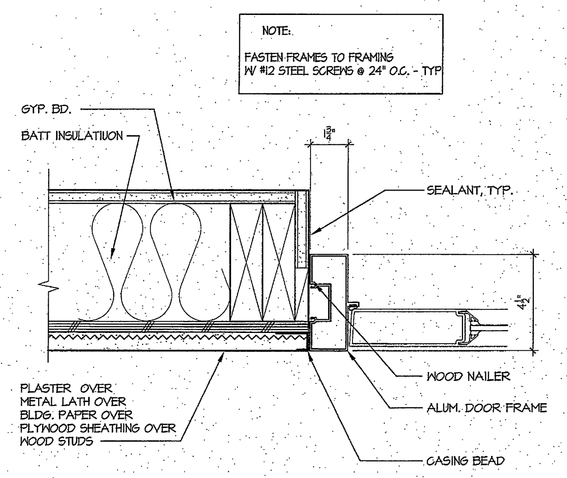
COVER DOOR BUMPER — SCALE: 3" = 1'-0" — 11

-

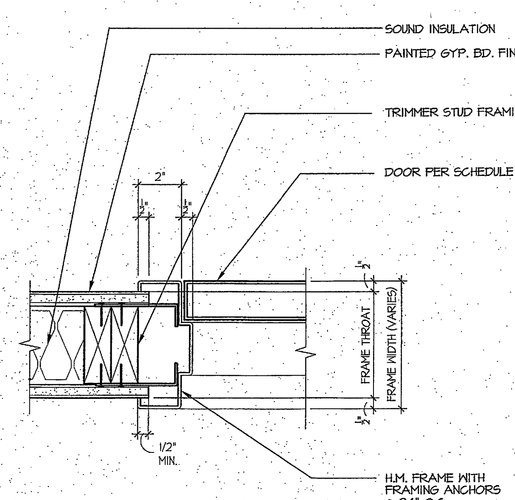
ALUMINUM STOREFRONT INTERIOR JAMB — SCALE: 3" = 1'-0" — 8



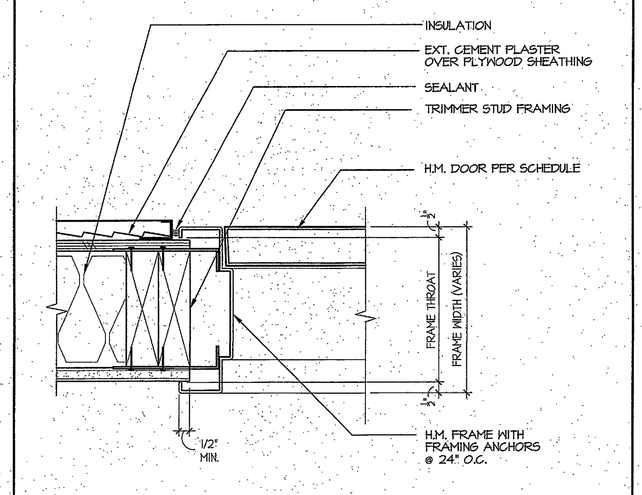
ALUMINUM STOREFRONT JAMB — SCALE: 3" = 1'-0" — 8

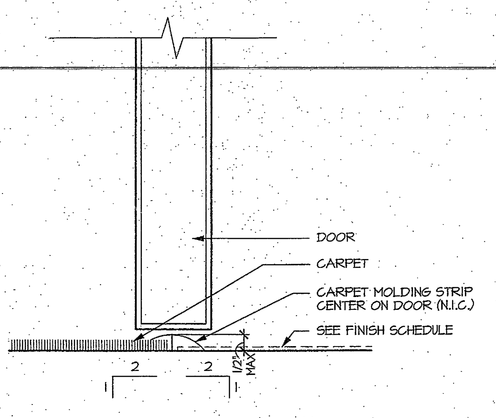


INTERIOR JAMB — SCALE: 3" = 1'-0" — 9

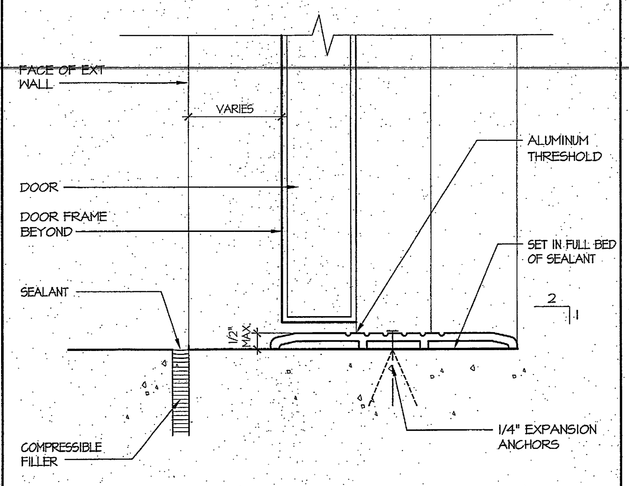


EXT. JAMB — SCALE: 3" = 1'-0" — 10





THRESHOLD DETAIL — SCALE: 6" = 1'-0" — 14



THRESHOLD DETAIL — SCALE: HALF — 15

San Elijo Student Center
MiraCosta College

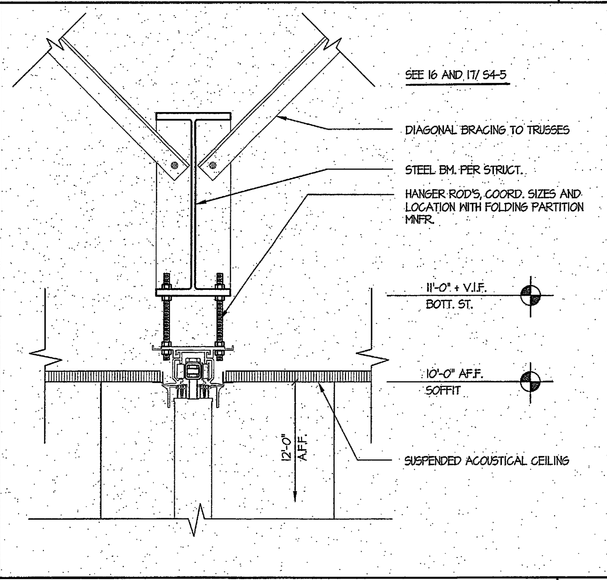
MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

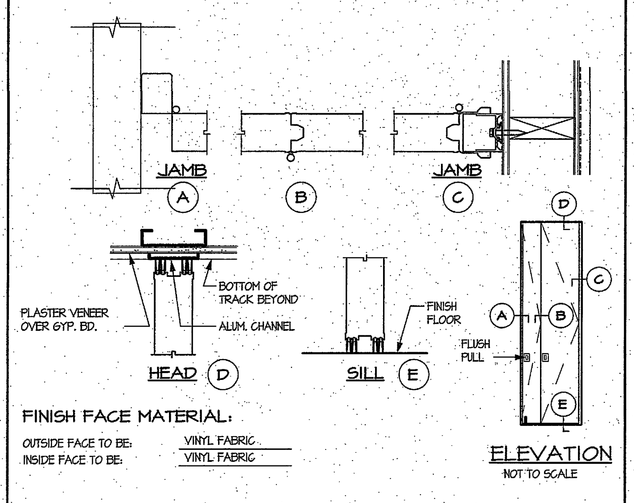
tBP project number : 2048.10
file name: dtl-0810.dwg
drawn by: CT checked by:
date: 01/18/06

Rev.	date:	description:

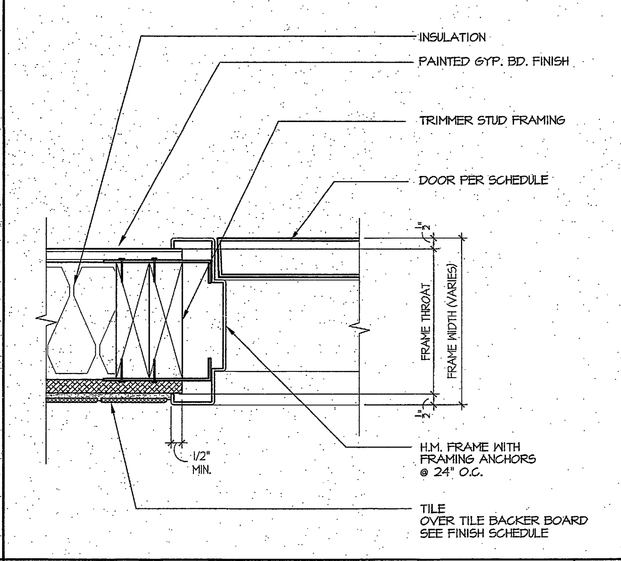
drawing title: DOOR DETAILS
building no.:
drawing no.: 8.10
drawing 39 of 109



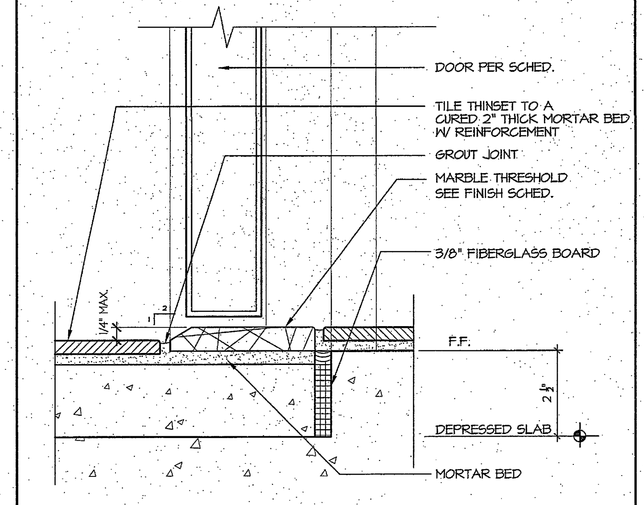
OPERABLE WALL HEAD AT SUSPENDED CEILING — SCALE: 1-1/2" = 1'-0" — 16



DOOR DETAILS AT OP. PARTITION HOUSING — SCALE: 1-1/2" = 1'-0" — 17

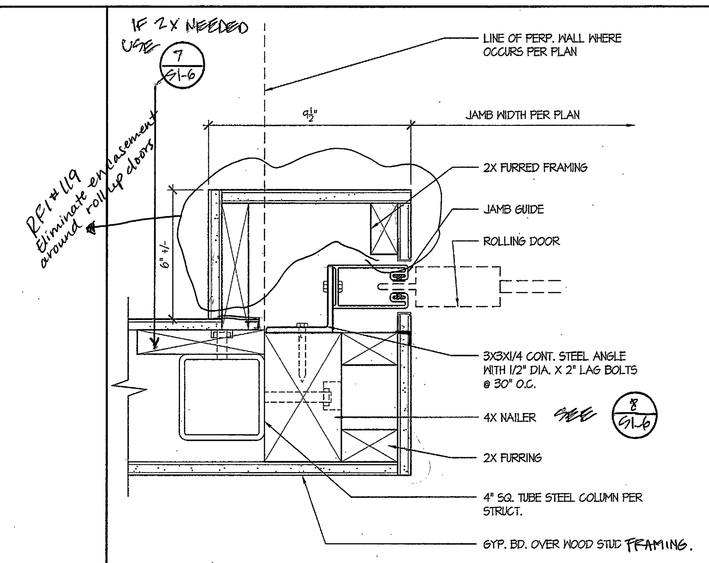


INTERIOR JAMB AT TILE (HEAD SIM.) — SCALE: 3" = 1'-0" — 19



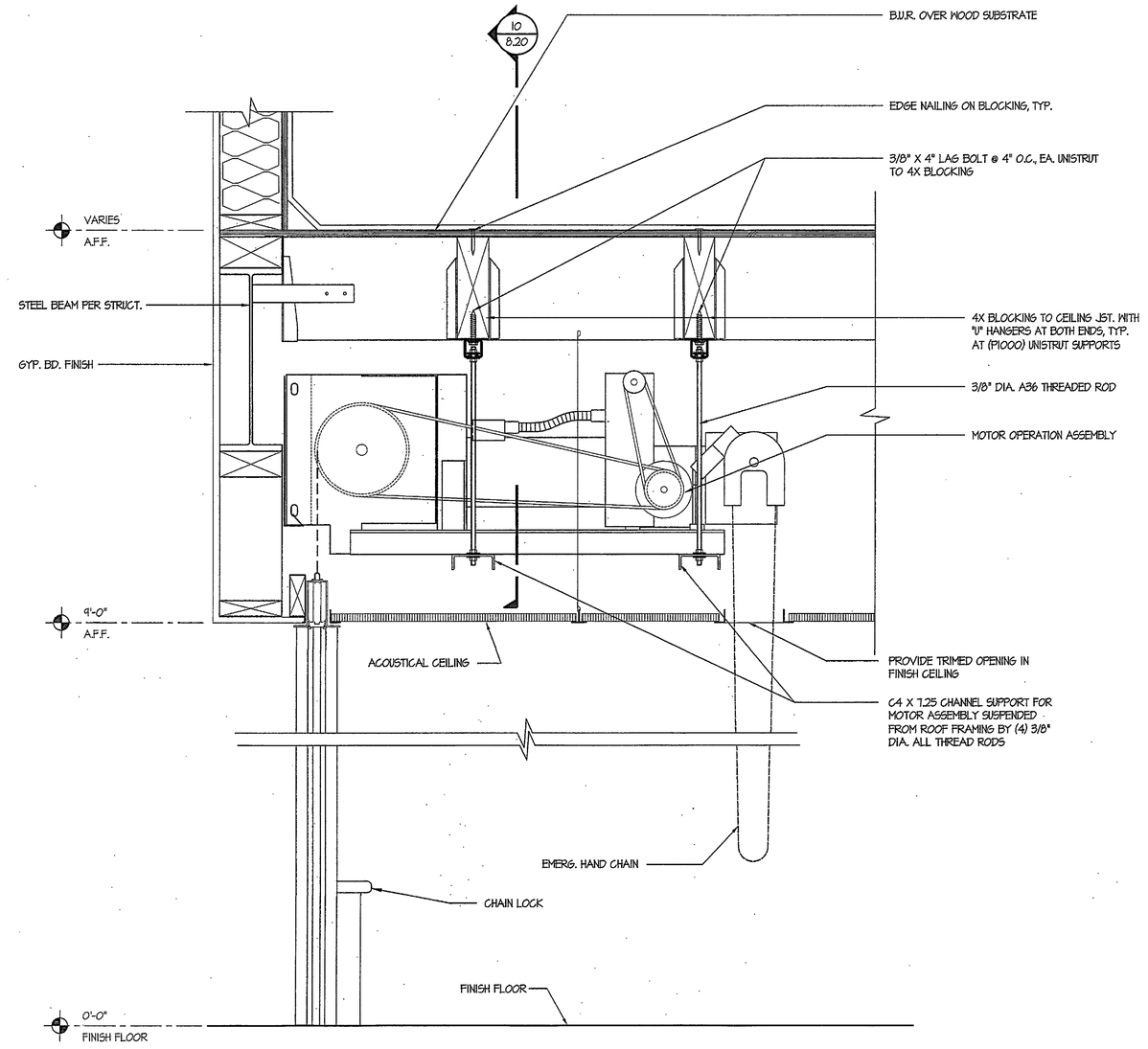
THRESHOLD DETAIL — SCALE: 6" = 1'-0" — 20

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



OVERHEAD COILING DOOR JAMB 3

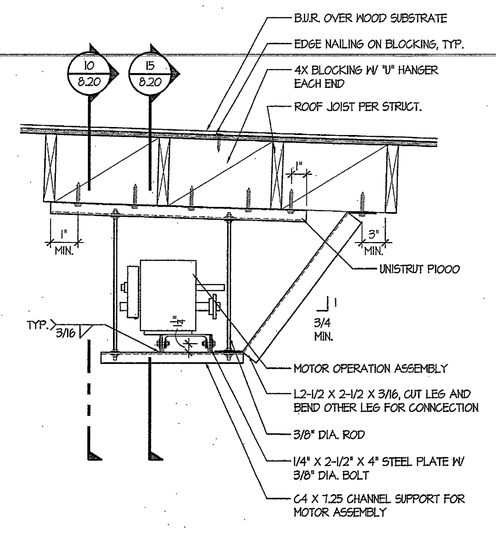
SCALE: 3" = 1'-0"



NOTE: SEE DETAIL 13 AND 15 FOR COILING GRILLE BRACING INFORMATION

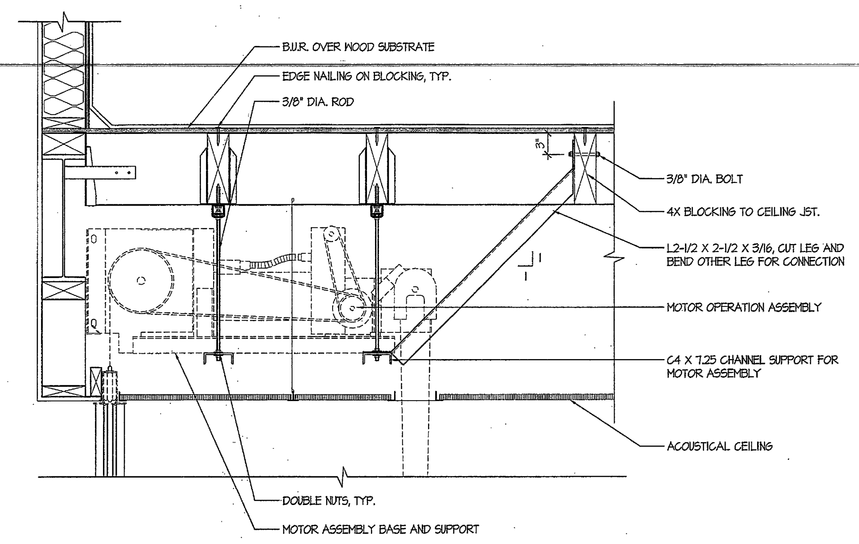
MOTORIZED O.H. COILING GRILLE HEAD 10

SCALE: 1-1/2" = 1'-0"



MOTORIZED O.H. COILING GRILLE SECTION 13

SCALE: 1" = 1'-0"



MOTORIZED O.H. COILING GRILLE BRACING DETAIL 15

SCALE: 1" = 1'-0"

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

FILE COPY
DSA/DEPARTMENT STAMP
OFFICE OF THE STATE ARCHITECT
DIVISION OF THE AMERICAS
04-107979
APPROVED
DATE SEP 13 2006

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048.10
file name: dtl-0810.dwg
drawn by: CT checked by:
date: 04/18/06

Rev:	date:	description:

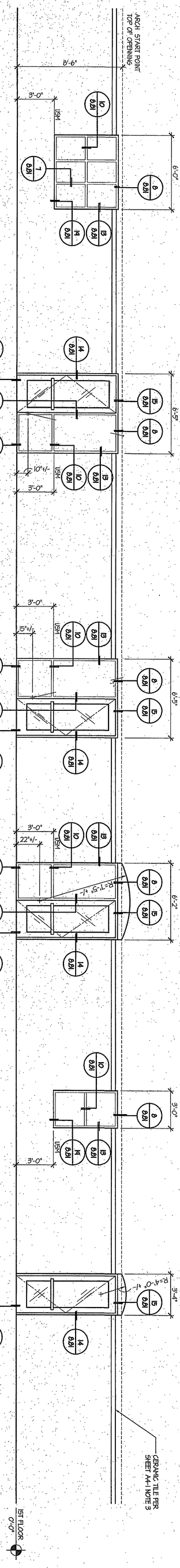
drawing title: DOOR DETAILS

building no.:

drawing no.: 8.20

drawing 40 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



A	
GLAZING TYPE	G2
FRAME MATL.	ALUM.
FRAME FIN.	F
FRAME COLOR	-

ALL TYPE A WINDOWS TO HAVE ROLLER SHADES
ADDITIONAL BLACKOUTS PER PLAN

B	
GLAZING TYPE	G2
FRAME MATL.	ALUM.
FRAME FIN.	F
FRAME COLOR	-

ALL TYPE B WINDOWS TO HAVE ROLLER SHADES
INCLUDING DOORS

C	
GLAZING TYPE	G2
FRAME MATL.	ALUM.
FRAME FIN.	F
FRAME COLOR	-

ALL TYPE C WINDOWS TO HAVE ROLLER SHADES
INCLUDING DOORS

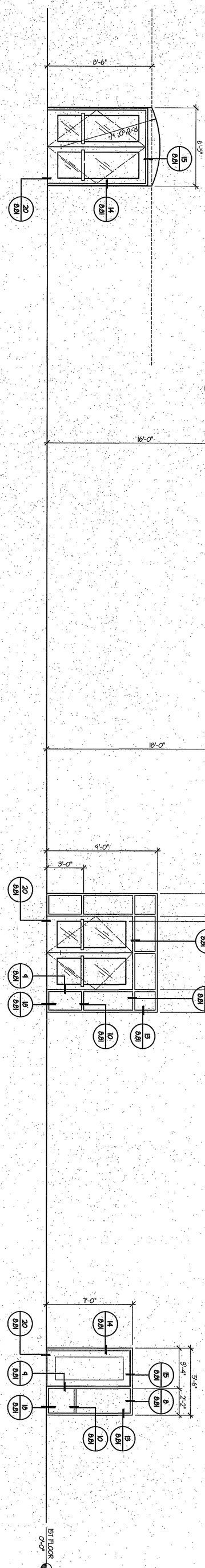
D	
GLAZING TYPE	G2
FRAME MATL.	ALUM.
FRAME FIN.	F
FRAME COLOR	-

ALL TYPE D WINDOWS TO HAVE ROLLER SHADES
INCLUDING DOORS

E	
GLAZING TYPE	G2
FRAME MATL.	ALUM.
FRAME FIN.	F
FRAME COLOR	-

ALL TYPE E WINDOWS TO HAVE ROLLER SHADES

F	
GLAZING TYPE	G2
FRAME MATL.	ALUM.
FRAME FIN.	F
FRAME COLOR	-



G	
GLAZING TYPE	G2
FRAME MATL.	ALUM.
FRAME FIN.	F
FRAME COLOR	-

H	
GLAZING TYPE	G2
FRAME MATL.	ALUM.
FRAME FIN.	F
FRAME COLOR	-

J	
GLAZING TYPE	G2
FRAME MATL.	ALUM.
FRAME FIN.	F
FRAME COLOR	-

A1	INTERIOR DOOR AND WINDOW
GLAZING TYPE	G1
FRAME MATL.	ALUM.
FRAME FIN.	F
FRAME COLOR	-

C1	INTERIOR DOOR AND WINDOW
GLAZING TYPE	G1
FRAME MATL.	ALUM.
FRAME FIN.	F
FRAME COLOR	-

SCHEDULE OF GLASS TYPES

TYPE	DESCRIPTION
G1	CLEAR TEMPERED GLASS, 1/4" THICK
G2	INSULATING GLASS UNIT OF NOMINAL 1" OVERALL THICKNESS OUTER LIGHT: 1/4" COATED CLEAR TEMPERED GLASS W/ LOW E COATING ON #2 SURFACE AIR SPACE: 1/2" INNER LIGHT: 1/4" UNCOATED CLEAR TEMPERED GLASS HEAT TREATED GLASS

LEGEND:

INDICATES 1" INSULATING VISION GLASS

NOTES:

1. PROVIDE SCREEN @ OPERABLE WINDOW TYP.
2. LSH = LOWER SIDE OF MULLION
3. USH = UPPER SIDE OF MULLION
4. ALL GLAZING SHALL BE:
   1. TEMPERED
   2. IDENTIFIED AS REQUIRED BY CBC 2402a & 2406.2
   3. SUPPORTED & FRAMED AS REQUIRED BY CBC 2404.1a

DOT PATTERN INDICATES SPANDREAL GLAZING
TYPICAL ARCH DETAIL, SEE 3/A1.01

SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8'

drawing title: EXTERIOR AND INTERIOR WINDOW SCHEDULE
building no: .
drawing no: 8.80
drawing A1 of 107

Key: date: description:

date: 08/09/06
drawn by: CT checked by: PM/GB
file name: DII-0850.dwg
tBP project number : 2048.10
owner

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

agency

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC RS SS DV
DATE SEP 29 2008

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

consultant

LICENSED ARCHITECT
JOHN D. McMURTRY
No. C9229
REN. 8-31-09
STATE OF CALIFORNIA

architect

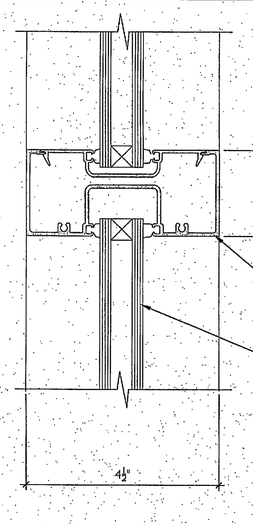
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

tBP
architecture
planning
interiors
management

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

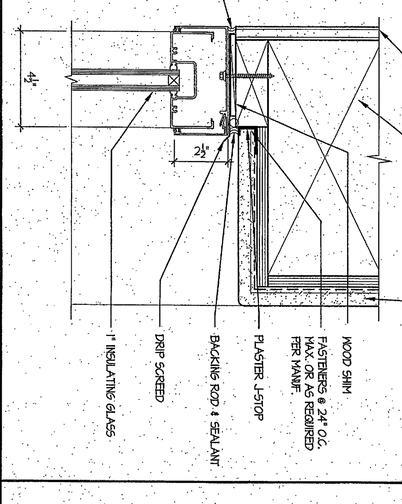
VERTICAL MULLION

SCALE: HALF | 7



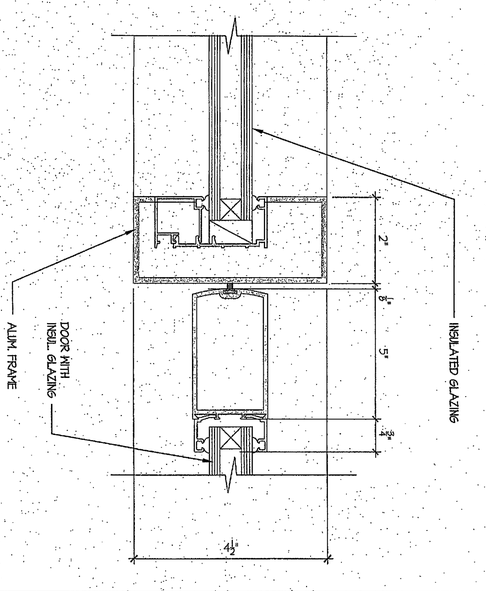
WINDOW HEAD

SCALE: 3" = 1'-0" | 8



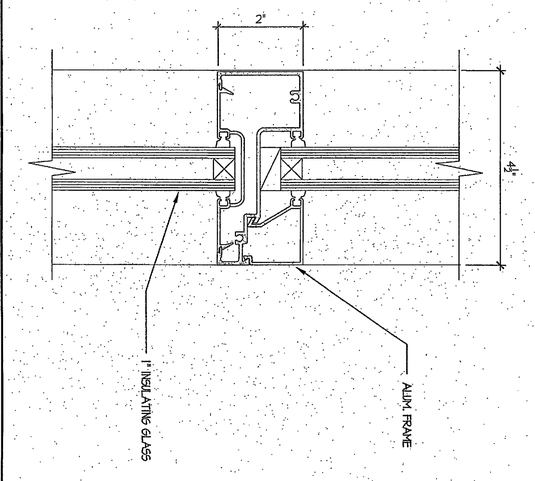
DOOR JAMB

SCALE: HALF | 9



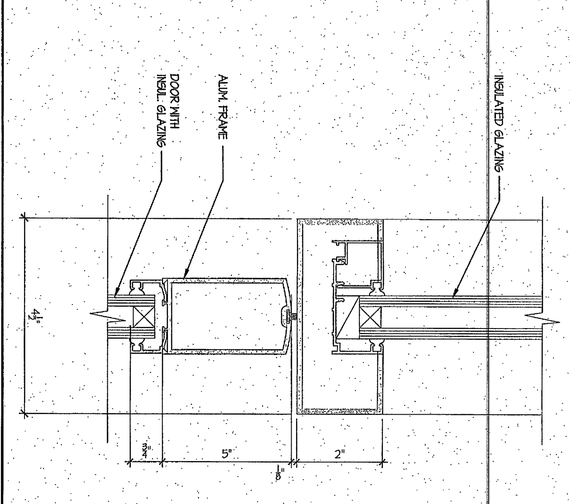
HORIZONTAL MUNTIN

SCALE: HALF | 10



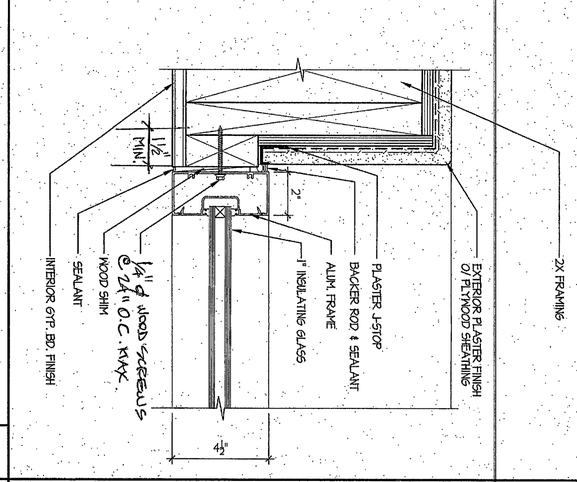
DOOR HEAD

SCALE: HALF | 12



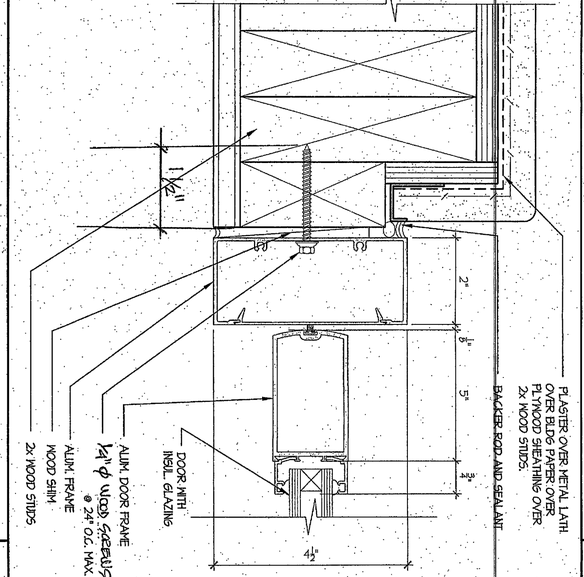
EXTERIOR JAMB

SCALE: 3" = 1'-0" | 13



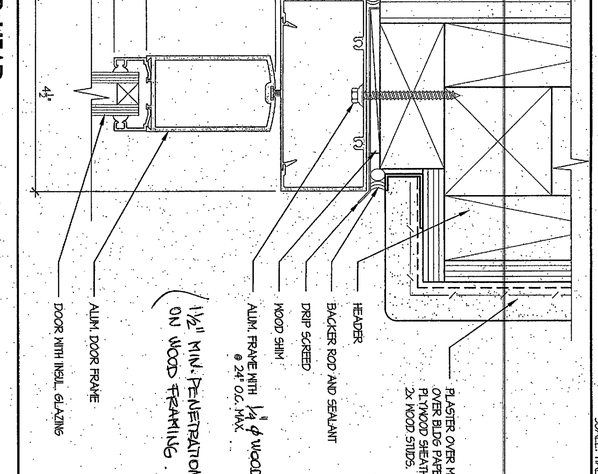
DOOR JAMB

SCALE: HALF | 14



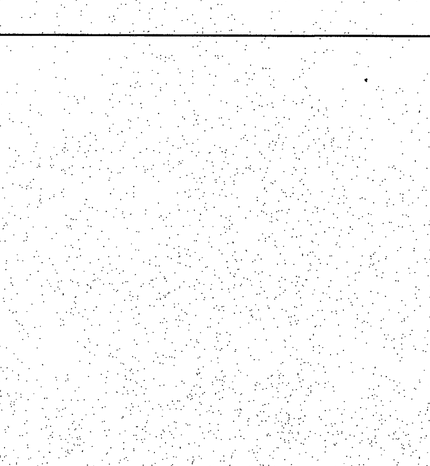
DOOR HEAD

SCALE: HALF | 15



WINDOW SILL

SCALE: HALF | 18

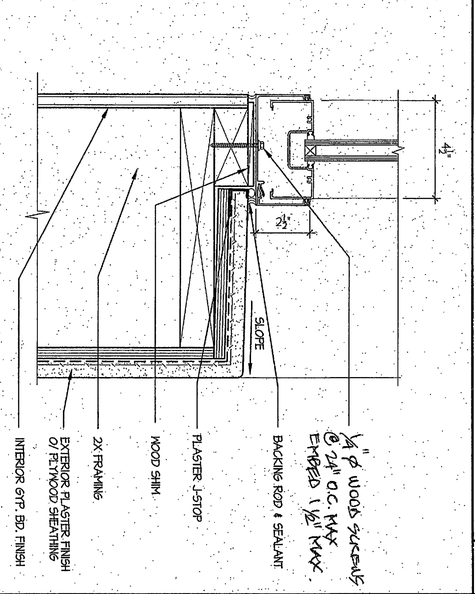


WINDOW SILL

SCALE: HALF | 18

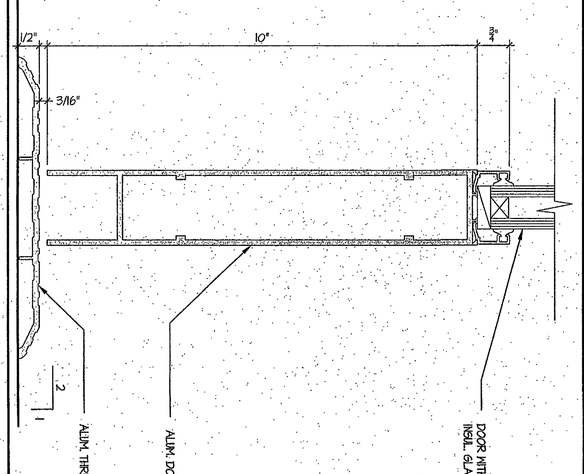
EXTERIOR JAMB @ DOOR

SCALE: HALF | 14



EXTERIOR THRESHOLD

SCALE: HALF | 20



San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC RS SS DL
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency | consultant | architect

LICENSED ARCHITECT — JOHN M. NEWORTH — NO. C0823 — REN. 8-31-07 — STATE OF CALIFORNIA

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

tBP
architecture
planning
interiors
management

owner

tBP project number: 2048.10

file name: dti-0068.dwg

drawn by: CT | checked by:

date: 04/18/06

Rev | date | description

drawing title: WINDOW DETAILS

building no:

drawing no: 8.81

drawing 42 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

COLOR SCHEDULE

SPEC. SECTION	MATERIAL	DESIGNATION	MANUFACTURER	COLOR NO.	COLOR NAME	REMARKS
07321 CLAY ROOFING TILES	CLAY TILES	CRT-1	-	-	-	-
08110 STEEL DOORS AND FRAMES	ALUMINUM STOREFRONT DOORS AND DOOR FRAMES	FF-1	-	-	-	-
08330 ACCESS DOORS	METAL DOORS	FF-1	-	-	-	-
09220 PORTLAND CEMENT PLASTER	-	-	-	-	-	-
09300 TILE	CERAMIC TILE	CT-1	DAL-TILE	SEM-I-6L055	DAL-TILE SEMI-GLOSS	6" X 6" WALL TILE
	PORCELAIN TILE	PT-1	CROSSVILLE	AIU71 1212 UPS	CROSSVILLE COLOR BLOX	UNPOLISHED SHEEN FINISH, 12" X 12" RESTROOM FLOOR AND WALL
	PORCELAIN TILE	PT-2	CROSSVILLE	AIU71 612 UPS	CROSSVILLE COLOR BLOX	UNPOLISHED SHEEN FINISH, 6" X 12" RESTROOM FLOOR COVE BASE
	PORCELAIN TILE	PT-3	CROSSVILLE	AIU10 66 UPS	CROSSVILLE COLOR BLOX	UNPOLISHED SHEEN FINISH, 6" X 6" RESTROOM WALL ACCENT TILE
	QUARRY TILE	QT-1	DAL-TILE	0705 Q-3505	DAL-TILE QUARRY TEXTURES	KITCHEN FLOOR 8" X 8"
	QUARRY TILE	QT-2	DAL-TILE	0705 Q-3505	DAL-TILE QUARRY TEXTURES	KITCHEN FLOOR 5" X 8" COVE BASE
	TIMBERED STONE	TS-1	DAL-TILE	1573	DAL-TILE NATURAL STONE COLLECTION	ROOM 126 BACK COUNTER SPLASH 1" X 1"
09650 RESILIENT FLOORING	SHEET VINYL	SV-1	ARMSTRONG/ MARMORETTE	19067	ARMSTRONG/ MARMORETTE	ROOM 101/ FIELD AREA
	SHEET VINYL	SV-2	ARMSTRONG/ MARMORETTE	19041	ARMSTRONG/ MARMORETTE	ROOM 101/ PRIMARY ACCENT
	SHEET VINYL	SV-3	ARMSTRONG/ MARMORETTE	19056	ARMSTRONG/ MARMORETTE	ROOM 101/ SECONDARY ACCENT
	SHEET VINYL	SV-4	ARMSTRONG/ MARMORETTE	19003	ARMSTRONG/ MARMORETTE	ROOM 101/ SECONDARY ACCENT
	SHEET VINYL	SV-5	ARMSTRONG/ MARMORETTE	19022	ARMSTRONG/ MARMORETTE	ROOM 115/ SECONDARY ACCENT
	VINYL COMPOSITION TILE	VCT-1	ARMSTRONG STANDARD EXCELON	51003	ARMSTRONG STANDARD EXCELON	ROOMS 121 AND 122, FIELD COLOR SIZE 12" X12"
	VINYLE COMPOSITION TILE	VCT-2	ARMSTRONG STANDARD EXCELON	51406	ARMSTRONG STANDARD EXCELON	ROOMS 121 AND 122, ACCENT TILE SIZE 12" X 12"
	RUBBER BASE	RB-1	BURKE MERCER	502	BURKE MERCER	4" WALL BASE WHERE GPT-1 AND GPT-2 ARE SPECIFY.
	RUBBER BASE	RB-2	BURKE MERCER	203	BURKE MERCER	4" WALL BASE WHERE SHEET VINYL IS SPECIFIED, TYP.
09681 CARPET TILE	CARPET TILE	CPT-1	SHAW CONTRACT GROUP	58760	SHAW CONTRACT GROUP KINETIC EN04/ 54354	INSTALLATION METHODS: ASHLER, ROOMS 115, 125 AND 126
	CARPET TILE	CPT-2	SHAW CONTRACT GROUP	21800	SHAW CONTRACT GROUP LCAN EN04/ 54423	INSTALLATION METHODS: ASHLER, RMS. 123, 124, 127, 128, 129 AND 130
09900 PAINTS AND COATINGS	PAINT	PS-1	FRAZEE	101	SEMI GLOSS	INTERIOR FIELD COLOR FOR WALLS THROUGH OUT, SEMI-GLOSS FINISH
	PAINT	PE-1	FRAZEE	8222N	DESERT FAWN	PAINTED AREA, RM. 101 ACCENT WALL FINISH EGGSHELL
	PAINT	PE-2	FRAZEE	8233M	CRISP KHAKI	DINING AREA, RM. 101 SOFFIT INTERIOR DOORS AND FRAMES
	PAINT	PS-2	FRAZEE	8233M	CRISP KHAKI	EXPANSION JOINT COVERS
09960 HIGH PERFORMANCE COATINGS	HIGH PERFORMACE PAINT	PS-3	-	-	-	-
10200 LOUVERS	-	FF-1	-	-	-	-
10653 FOLDING PANEL PARTITION	ACOUSTICAL PANEL FABRIC	APF-1	KORSEAL/ INSPERATIONS	59-391	KORSEAL/ INSPERATIONS MHISPERTEX 3	IN ROOMS 125 AND 126
12300 MANUFACTURED CASEWORK	PLASTIC LAMINATE	LP-1	ARPA	4266	SAND MAPLE CROSSFIRE	ERRE FINISH, CASEWORK COUNTER TOPS THROUGH OUT THE BLDG.
	PLASTIC LAMINATE	LP-2	ARPA	3140	BROWN COPPERFIELD	PESCA FINISH, CASEWORK VERTICAL FACE IN ROOM 126
	PLASTIC LAMINATE	LP-3	ARPA	4303	DARK WALNUT	PESCA FINISH, CASEWORK VERTICAL FACE IN ROOM 130
	PLASTIC LAMINATE	LP-4	WILSONART	4797-60	BURNISHED SPRUCE	CASEWORK VERTICAL FACE IN ROOM 121 IN ROOM 130

COLOR SCHEDULE

SPEC. SECTION	MATERIAL	DESIGNATION	MANUFACTURER	COLOR NO.	COLOR NAME	REMARKS

RFI #108 - Expansion Joint Colors - Interior - 232 White Exterior - 270 Greige

Chery knit

Paint 8233M

RFI #117 Exterior Paint Color 8583 Carmel Valley

Applied Sylvan Mist

SEE DETAIL 1/A6

CASEWORK VERTICAL FACE IN ROOM 130

CASEWORK VERTICAL FACE IN ROOM 121

San Elijo Student Center
MiraCosta College

MiraCosta College · San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC FLS SS
DATE SEP 2 8 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

consultant

LICENSED ARCHITECT
JAMES M. MCMURRY
No. C8223
REN. 8-31-07
STATE OF CALIFORNIA

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

tBP
architecture
planning
interiors
management

San Elijo Student Center
MiraCosta College

MiraCosta College · San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC FLS SS
DATE SEP 2 8 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

tBP project number: 2048810

file name: 0900-MD_ColorSchedDWG

drawn by: checked by:

date: 09/18/06

Rev: date: description:

drawing title: building no:

MASTER
COLOR SCHEDULE

drawing no: 9.00

drawing 49 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

FINISH SCHEDULE

SPACE		FLOOR				BASE				WALLS				CEILING					REMARKS
NO.	NAME	MATERIAL	TYPE	FINISH	COLOR	MATERIAL	TYPE	FINISH	COLOR	MATERIAL	TYPE	FINISH	COLOR	MATERIAL	TYPE	FINISH	COLOR	HEIGHT	
FIRST FLOOR																			
101	DINING	SHEET VINYL	-	FF	SV-1 SV-2 SV-3 SV-4 SV-5	RUBBER BASE	4"	FF	RB-2	GYP. BOARD	-	SEMI-GLOSS EGG-SHELL	PS6-1 PE-1 PE-2	GYP. BOARD	-	SEMI-GLOSS	PS6-1		
102	FOOD SERVICE PREP	QUARRY TILE	-	FF	QT-1	QUARRY TILE	5"	FF	QT-2	CERAMIC TILE	-	GLOSS	QT-1	ACOUST. CLG.	-	FF	WHITE		
103	ELEVATOR CAB	SHEET VINYL	-	FF	SV-4	RUBBER BASE	4"	FF	RB-2	PLASTIC LAMINATE	-	FF	-	METAL CLG.	-	FF	-		ELEVATOR MFG. SELECT OPTION
104	STAIR 2	?	-	FF	?	?		FF	?	GYP. BOARD	F	SEMI-GLOSS	PS6-?	GYP. BOARD	-	F	-		
105	EQUIPMENT ROOM	CONCRETE	-	SLR	CLEAR	CONCRETE	4"	SLR	CLEAR	GYP. BOARD	-	SEMI-GLOSS	PS6-1	SUSP. ACP	-	PS6-1	WHITE		
106	KITCHEN	QUARRY TILE	-	FF	QT-1	QUARRY TILE	5"	FF	QT-2	FRP	-	FF	FRP-1	ACOUST. CLG.	-	FF	WHITE		
107	PREP AREA	QUARRY TILE	-	FF	QT-1	QUARRY TILE	5"	FF	QT-2	FRP	-	FF	FRP-1	ACOUST. CLG.	-	FF	WHITE		
108	STORAGE	QUARRY TILE	-	FF	QT-1	QUARRY TILE	5"	FF	QT-2	GYP. BOARD	-	SEMI-GLOSS	FRP-1	ACOUST. CLG.	-	FF	WHITE		
109	DRY STORAGE	QUARRY TILE	-	FF	QT-1	QUARRY TILE	5"	FF	QT-2	GYP. BOARD	-	SEMI-GLOSS	FRP-1	ACOUST. CLG.	-	FF	WHITE		
110	JANITOR	CONCRETE	-	~~SLR~~	~~CLEAR~~	CONCRETE	4"	SLR	CLEAR	GYP. BOARD	-	SEMI-GLOSS	PS6-1	GYP. BOARD	-	SEMI-GLOSS	PS6-1		
111	KITCHEN OFFICE	QUARRY TILE	-	FF	QT-1	QUARRY TILE	5"	FF	QT-2	GYP. BOARD	-	SEMI-GLOSS	PS6-1	GYP. BOARD	-	SEMI-GLOSS	PS6-1		
112	COLD STORAGE	QUARRY TILE	-	FF	QT-1	QUARRY TILE	5"	FF	QT-2	INSULATED METAL	-	-	-	INSULATED METAL	-	-	-		FULLY FACTORY ASSEMBLED WALLS & CLG.
113	RECEIVING	CONCRETE	-	SLR	CLEAR	CONCRETE	4"	SLR	CLEAR	GYP. BOARD	-	SEMI-GLOSS	PS6-1	GYP. BOARD	-	SEMI-GLOSS	PS6-1		
114	ELECTRICAL	CONCRETE	-	SLR	CLEAR	CONCRETE	4"	SLR	CLEAR	GYP. BOARD	-	SEMI-GLOSS	PS6-1	GYP. BOARD	-	SEMI-GLOSS	PS6-1		
115	BOOK STORE	CARPET TILE	-	FF	CPT-1	RUBBER BASE	4"	FF	RB-1	GYP. BOARD	-	SEMI-GLOSS	PS6-1	ACOUST. CLG.	-	FF	WHITE		
116	(E) JANITOR	CONCRETE	-	SLR	CLEAR	CONCRETE	4"	SLR	CLEAR	GYP. BOARD	-	SEMI-GLOSS	PS6-1	GYP. BOARD	-	SEMI-GLOSS	PS6-1		
117	(E) MECHANICAL	CONCRETE	-	SLR	CLEAR	CONCRETE	4"	SLR	CLEAR	GYP. BOARD	-	SEMI-GLOSS	PS6-1	GYP. BOARD	-	SEMI-GLOSS	PS6-1		
118	(E) MEN	EXISTING FINISHES TO REMAIN																	Existing wall materials to remain Addit 1 Rm 118/119
119	(E) WOMEN	EXISTING FINISHES TO REMAIN																	
120	TOILET	PORCELAIN TILE	-	UP	PT-1	PORCELAIN TILE	6'	UP	PT-2	GYP. BOARD PORCELAIN TILE	-	SEMI-GLOSS UP	PS6-? PT-1 PT-3	GYP. BOARD	-	SEMI-GLOSS	PS6-?		
121	EXAM	VINYL COMP. TILE	-	FF	VCT-1 VCT-2	RUBBER BASE	4"	FF	RB-2	GYP. BOARD	-	SEMI-GLOSS	PS6-1	ACOUST. CLG.	-	FF	WHITE		
122	WAITING	VINYL COMP. TILE	-	FF	VCT-1 VCT-2	RUBBER BASE	4"	FF	RB-2	GYP. BOARD	-	SEMI-GLOSS	PS6-1	ACOUST. CLG.	-	FF	WHITE		
123	OFFICE	CARPET TILE	-	FF	CPT-2	RUBBER BASE	4"	FF	RB-1	GYP. BOARD	-	EGG-SHELL	PS6-1	ACOUST. CLG.	-	FF	WHITE		
124	OFFICE	CARPET TILE	-	FF	CPT-2	RUBBER BASE	4"	FF	RB-1	GYP. BOARD	-	EGG-SHELL	PE-1	ACOUST. CLG.	-	FF	WHITE		
125	CONFERENCE 'B'	CARPET TILE	-	FF	CPT-1	RUBBER BASE	4"	FF	RB-1	GYP. BOARD	-	EGG-SHELL	PE-1	ACOUST. CLG.	-	FF	WHITE		
126	CONFERENCE 'A'	CARPET TILE	-	FF	CPT-1	RUBBER BASE	4"	FF	RB-1	GYP. BOARD	-	EGG-SHELL	PE-1	ACOUST. CLG.	-	FF	WHITE		
127	STUDENT SERVICES COORD	CARPET TILE	-	FF	CPT-1	RUBBER BASE	4"	FF	RB-1	GYP. BOARD	-	EGG-SHELL	PE-1	ACOUST. CLG.	-	FF	WHITE		
128	STUDENT SERVICES COORD	CARPET TILE	-	FF	CPT-1	RUBBER BASE	4"	FF	RB-1	GYP. BOARD	-	EGG-SHELL	PE-1	ACOUST. CLG.	-	FF	WHITE		
129	STUDENT GOVERNMENT OFFICE	CARPET TILE	-	FF	CPT-1	RUBBER BASE	4"	FF	RB-1	GYP. BOARD	-	EGG-SHELL	PE-1	ACOUST. CLG.	-	FF	WHITE		
130	STUDENT ORGANIZATION	CARPET TILE	-	FF	CPT-1	RUBBER BASE	4"	FF	RB-1	GYP. BOARD	-	EGG-SHELL	PE-1	ACOUST. CLG.	-	FF	WHITE		
131	STAIR 1	?	-	FF	?	?		FF	?	GYP. BOARD	-	SEMI-GLOSS	PS6-?	GYP. BOARD	-	-	-		
132	OUTDOOR DINING	~~RESERVED~~	-	FF	?	?	?	?	?	?	-	?	?	?	-	-	-		

RFI #98 Elevator color selections

RFI #107 FRP Finish selection

MED 1/2 room Plans 7 Addt #1

NOTES

- ALL FINISHES SHALL COMPLY WITH CH. 8 CBC, CFC & TITLE 19.

RFI #83 - Provide level 5 w/ medium texture finish on gypsum board walls and ceilings.
RFI #107 - FRP Finish Selection (See RFI #100 for locations)
RFI #109 - QT-2 Tile acceptable to use in Kitchen

ABBREVIATIONS

ACP	ACOUSTICAL CEILING PANEL
BD	BOARD
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CONC.	CONCRETE
CT	CERAMIC TILE
EPXY	EPOXY
EXPSD	EXPOSED
F	FACTORY FINISH
FRP	FIBER REINFORCED PLASTIC PANEL
GL	GLASS
GYP	GYPSUM
MB	MARKER BOARD
MTL.	METAL
EP	EPOXY PAINT
PE	EGGSHELL PAINT
PF	PAINT FLAT
PG	PAINT GLOSS
PNL	PANEL
PSG	PAINT SEMI GLOSS
PT	PORCELIN TILE
QT	QUARRY TILE
RESIL	RESILIENT
RTF	RUBBER TILE FLOORING
SF	SATIN FINISH
SLR	SEALER
SV	SHEET VINYL
TS	TASKABLE SURFACE
U.O.S.	UNDER SIDE OF STUD
VCT	VINYL COMPOSITION TILE
VFAB	VINYL FABRIC WALL COVERING

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

RE 2/31
NOTIFICATION SHALL BE MADE TO THE OFFICE OF REGULATION SERVICES
04-107979
AC. ES SS
DATE

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

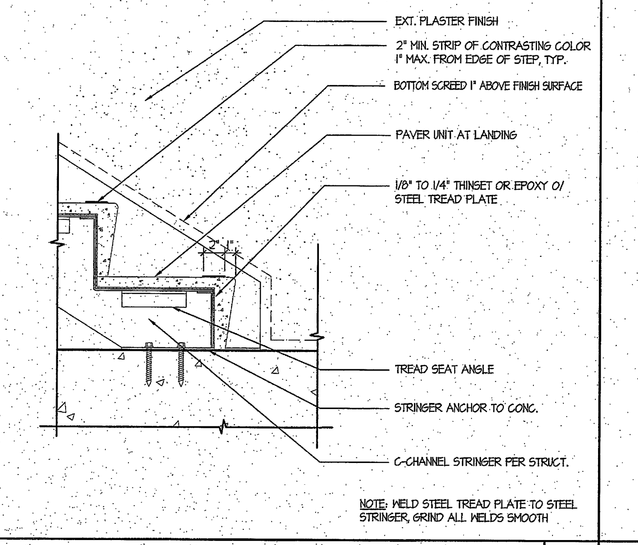
tBP project number : 2046.10
file name: DTL-0901
drawn by: PM checked by: SB
date: 09/18/06

Rev:	date:	description:
4	11/14/06	ADDENDUM NO. 4

drawing title: FINISH SCHEDULE
building no:

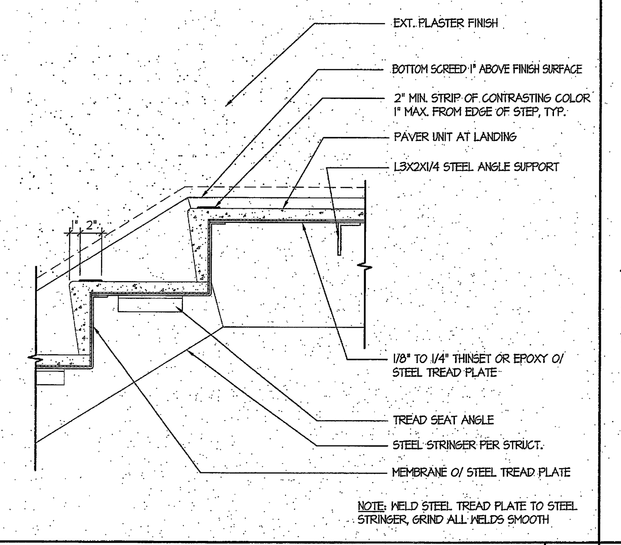
drawing no: R9.01
drawing of

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



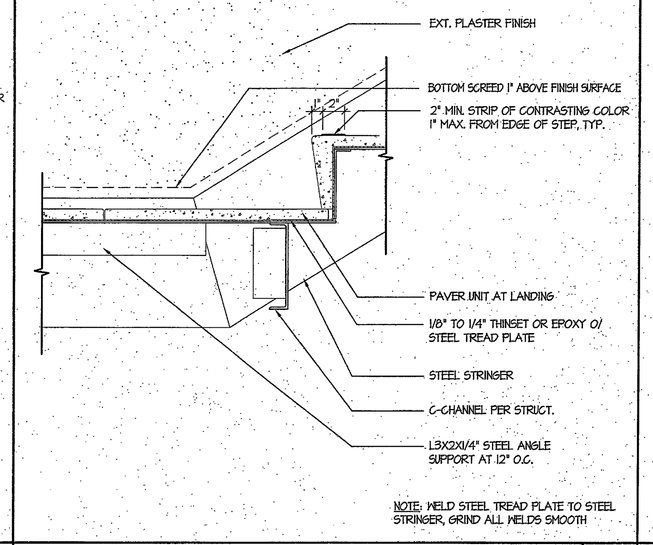
TYPICAL TREAD @ STAIR

SCALE: 1 1/2" = 1'-0" | 1



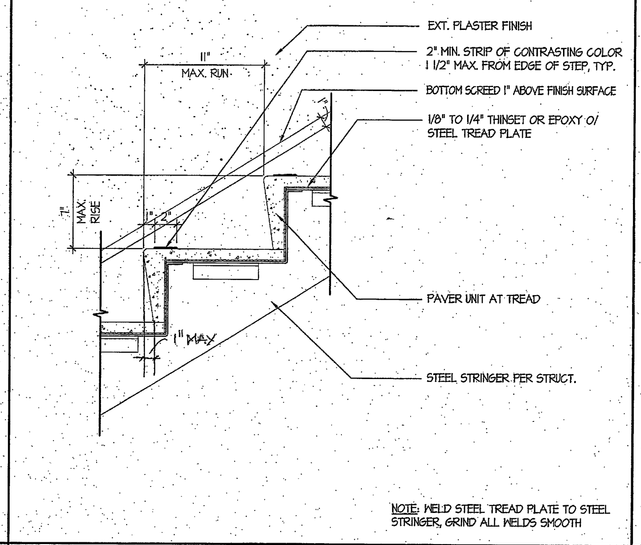
TREAD AT LANDING

SCALE: 1 1/2" = 1'-0" | 2



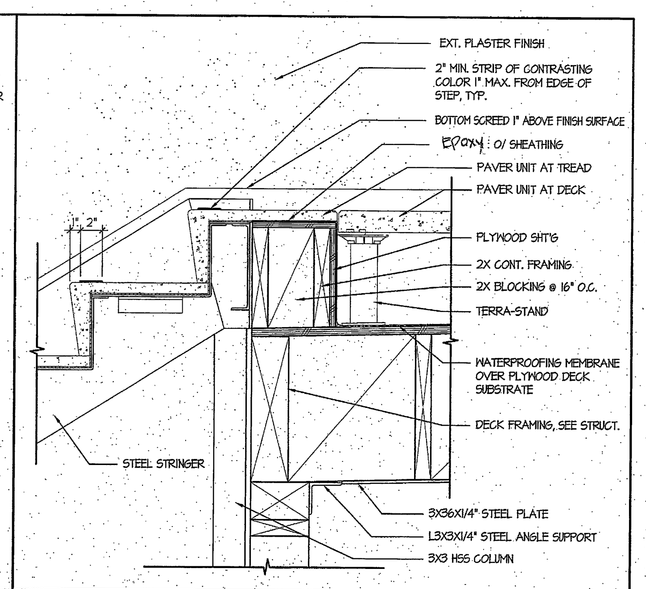
TYPICAL TREAD @ STAIR

SCALE: 1 1/2" = 1'-0" | 3



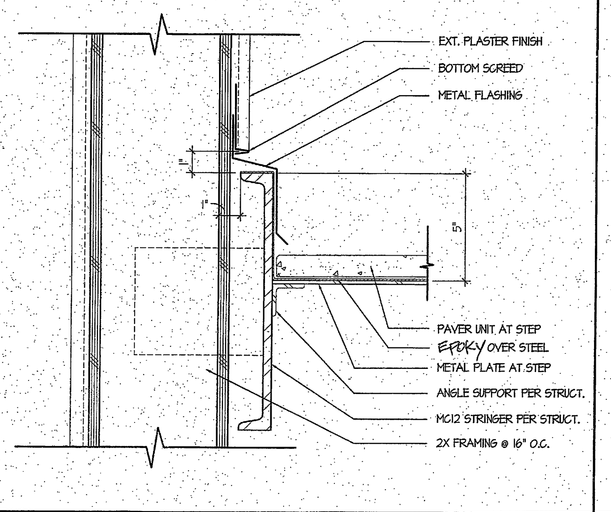
TYPICAL TREAD @ STAIR

SCALE: 1 1/2" = 1'-0" | 4



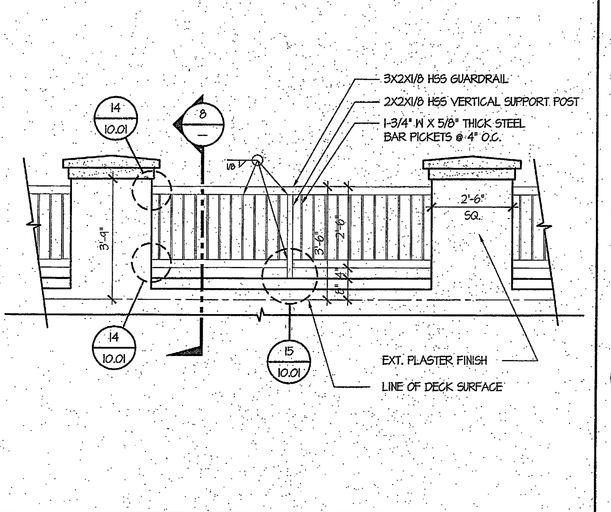
STAIR AT SUN DECK LANDING

SCALE: 1 1/2" = 1'-0" | 5



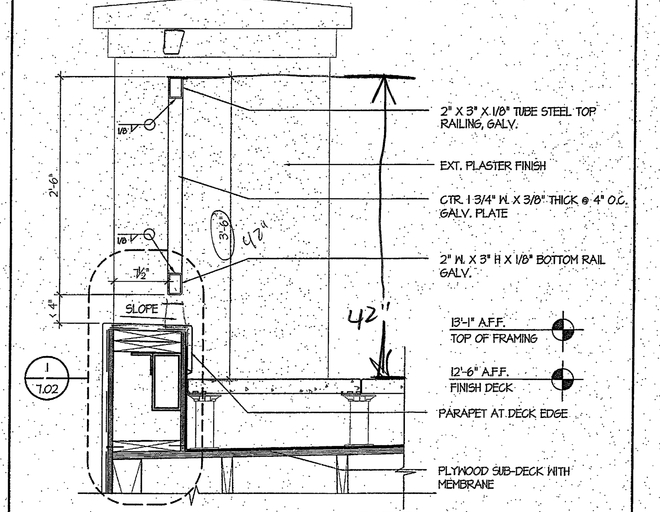
STAIR STRINGER AT WALL

SCALE: HALF | 6



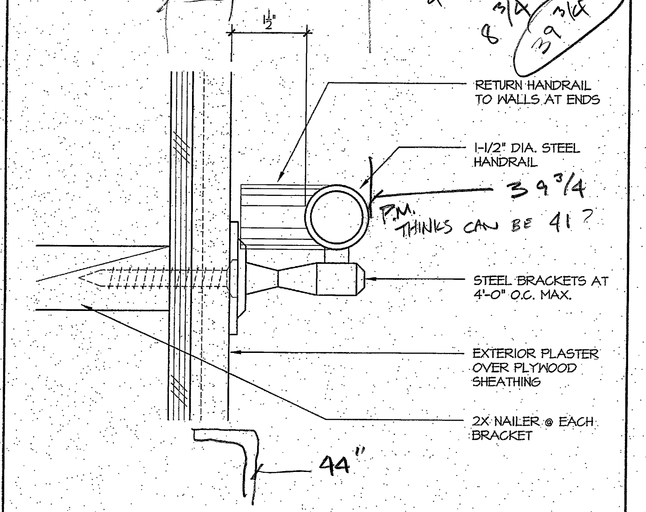
TYPICAL GUARD RAIL

SCALE: 3/8" = 1'-0" | 7



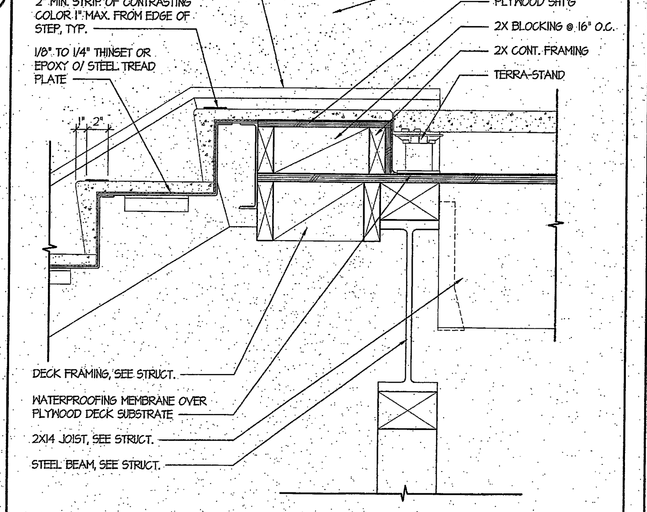
GUARDRAIL SECTION

SCALE: 1" = 1'-0" | 8



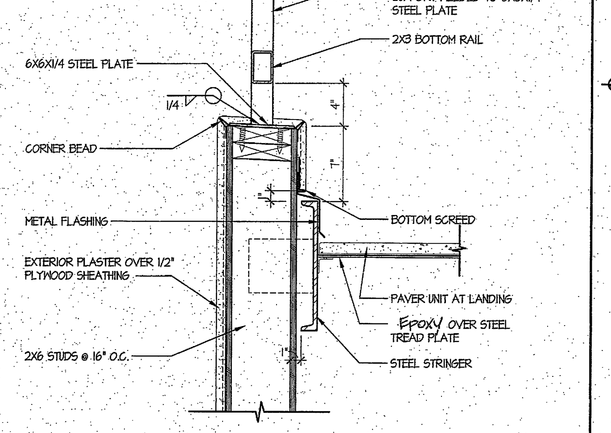
STEEL PIPE HANDRAIL

SCALE: HALF | 9



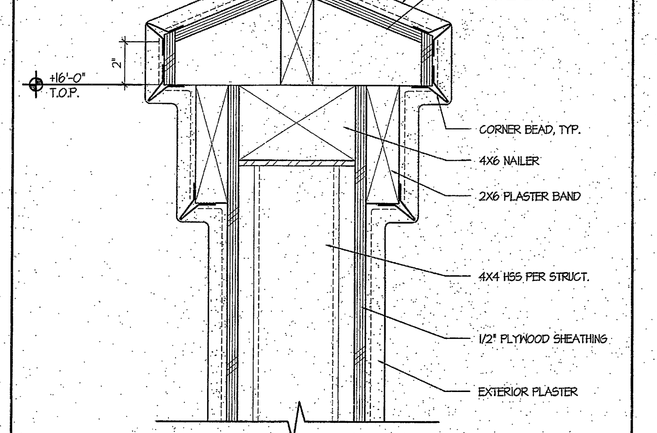
STAIR AT SUN DECK LANDING

SCALE: 1 1/2" = 1'-0" | 10



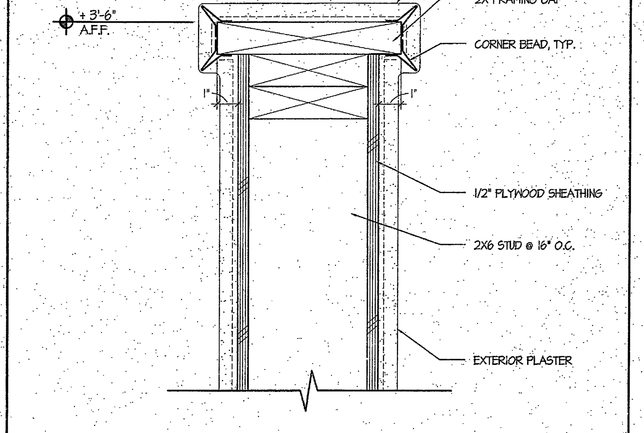
STEEL STRINGER @ WALL

SCALE: 1 1/2" = 1'-0" | 11



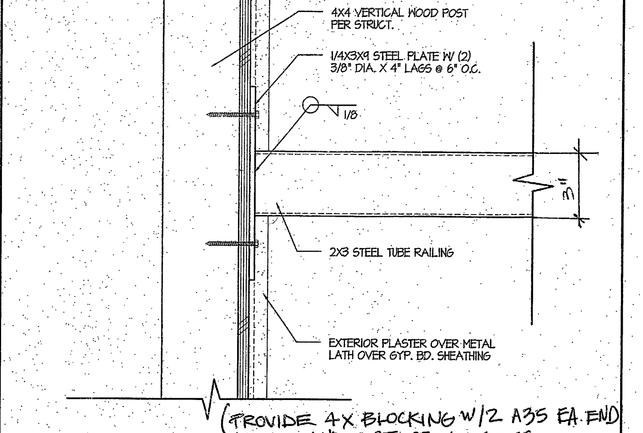
GUARDRAIL CAP AT FINISH DECK

SCALE: HALF | 12



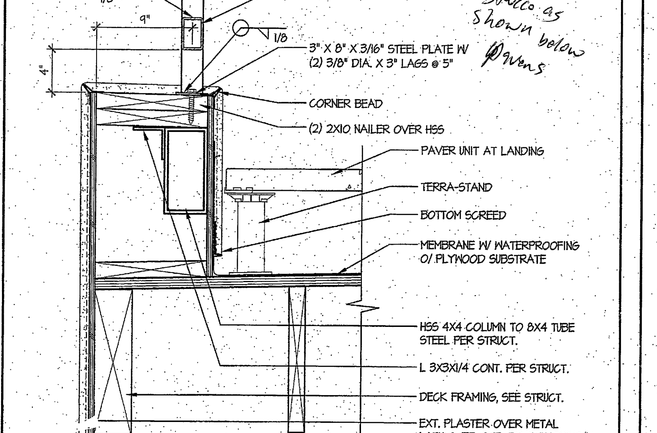
GUARDRAIL CAP AT RISER AND LANDING

SCALE: HALF | 13



GUARDRAIL AND GUARDRAIL SUPPORTS

SCALE: HALF | 14



GUARDRAIL AT DECK EDGE

SCALE: 1 1/2" = 1'-0" | 15

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

consultant

DEPARTMENT OF GENERAL SERVICES
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC RS DL
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007

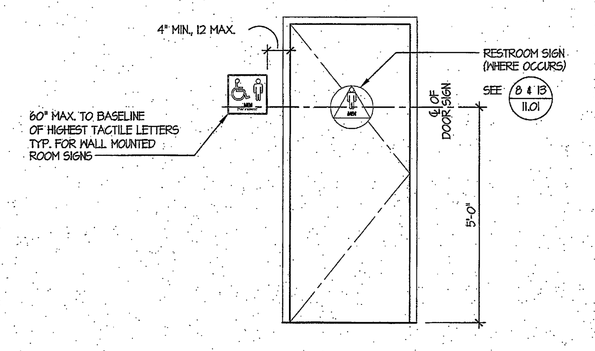
owner

tBP project number : 2048.10
file name: D11-1001.dwg
drawn by: CT checked by:
date: 09/18/06

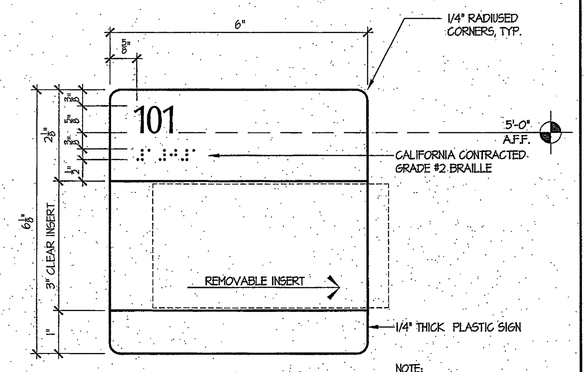
Rev.	date:	description:

drawing title: STAIR DETAILS
building no.:
drawing no.: 10.01
drawing 45 of 107

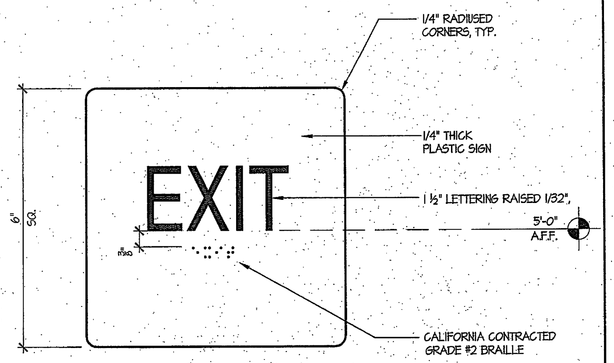
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



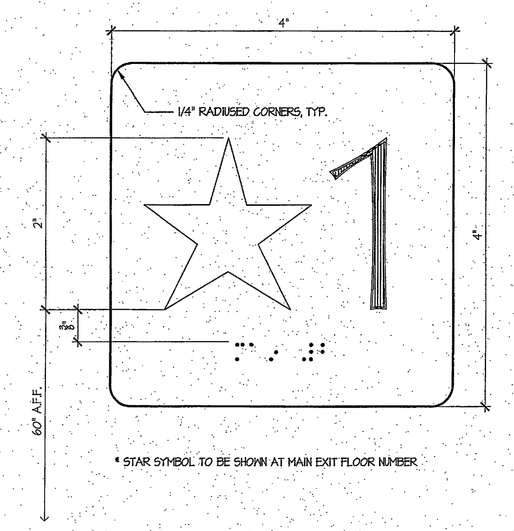
SIGNAGE LOCATION LEGEND — SCALE: 1/2" = 1'-0" — 2



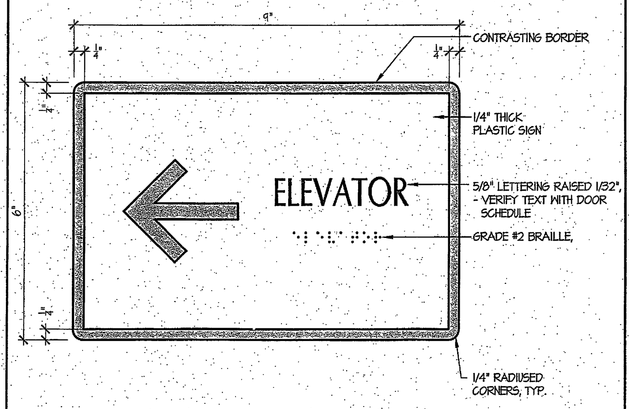
ACRYLIC ROOM NAME/NO. SIGNAGE W/INSERT — SCALE: HALF — 3



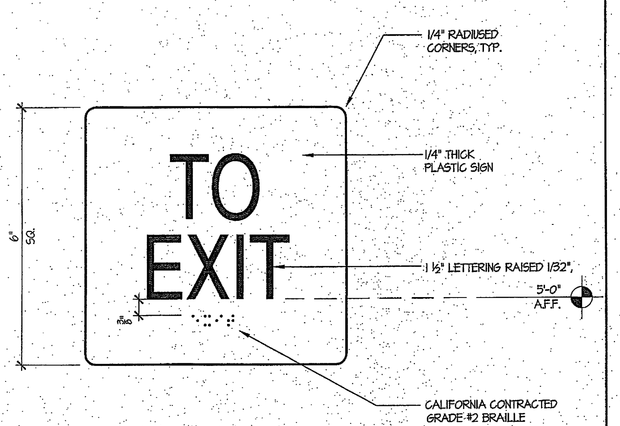
TACTILE EXIT SIGNAGE (ON INTERIOR SIDE) — SCALE: HALF — 4



BRAILLE / RAISED ELEVATOR JAMB SIGNAGE — SCALE: FULL — 7



DIRECTIONAL SIGNAGE — SCALE: HALF — 8



TACTILE EXIT SIGNAGE (ON INTERIOR SIDE) — SCALE: HALF — 9

GENERAL NOTES:

1.) WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SUCH THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCONTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF THE DOOR.

2.) ALL INTERIOR PLASTIC SIGNS SHALL BE 1/8" THICK MINIMUM U.N.O.

3.) ALL EXTERIOR PLASTIC SIGNS SHALL BE 1/4" THICK MINIMUM.

4.) CHARACTER TYPE: CHARCTERS ON SIGNS SHALL BE RAISED 1/32" (0.794 MM) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE (SEE NOTE BELOW)

5.) CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" (15.9 MM) AND A MAXIMUM OF 2" (51 MM) HIGH.

6.) FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH.

7.) PROPORTIONS: CHARACTERS ON SIGNS SHALL HAVE A WIDTH TO HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH TO HEIGHT RATIO OF BETWEEN 1:5 AND 1:10.

8.) BRAILLE: CALIFORNIA CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED. DOTS SHALL BE 1/10 INCH (2.54 MM) ON CENTERS IN EACH CELL WITH 2/10 (5.08 MM) SPACE BETWEEN CELLS, MEASURED M THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH (0.635 MM) ABOVE THE BACKGROUND.

PROVIDE ROUNDED OR DOMED CALIFORNIA BRAILLE DOTS, EACH DISTINCT AND SEPARATE. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT READABLE FOR MANY BRAILLE USERS.

9.) VERIFY EXACT SIGN TEXT WITH DOOR SCHEDULE AS APPLICABLE.

10.) VERIFY ALL ROOM NUMBERS WITH OWNER.

11.) VERIFY TEXT ON ENGRAVED INSERTS WITH OWNER.

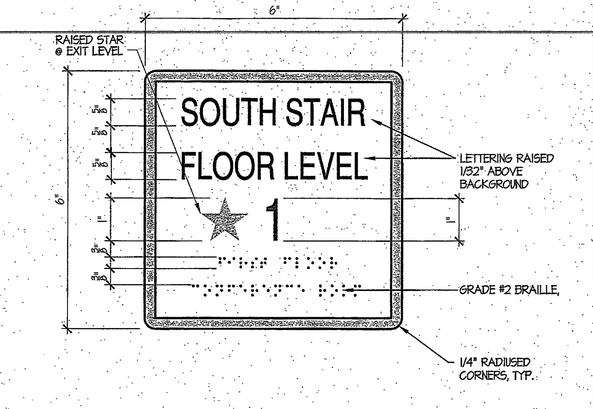
12.) VERIFY ORIENTATION OF DIRECTIONAL ARROWS.

13.) VERIFY MAXIMUM OCCUPANCY QUANTITY WITH FLOOR PLAN.

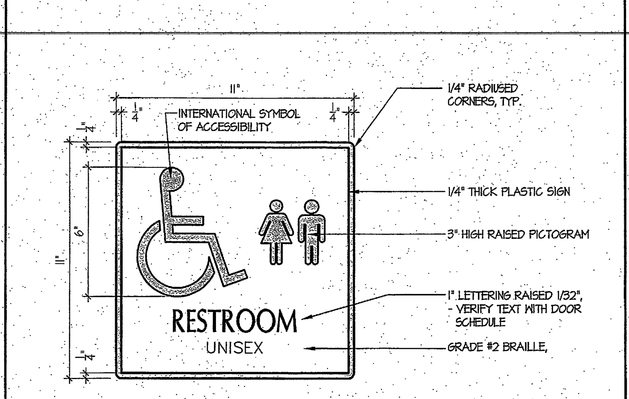
14.) ALL EXTERIOR AND INTERIOR MOUNTED SIGNS ATTACHED TO MASONRY, PLASTER OR CERAMIC TILE SHALL BE MECHANICALLY FASTENED WITH VANDAL PROOF FASTENERS THROUGH THE WALL FINISH AND INTO SOLID WOOD OR METAL BACKING.

15.) ALL INTERIOR WALL MOUNTED SIGNS SECURED TO GYPSUM BOARD SHALL BE ADHESIVELY APPLIED.

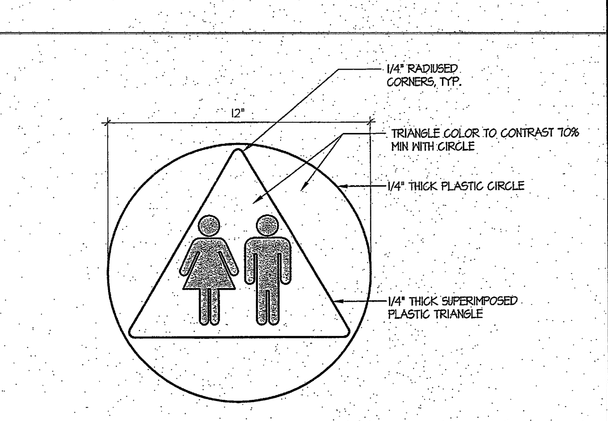
16.) ALL PLASTIC SIGNS ADHESIVELY APPLIED TO GLASS SHALL HAVE AN ADDITIONAL PLASTIC BACKING THE SAME SIZE AS THE SIGN ADHESIVELY APPLIED TO THE OTHER SIDE OF THE GLASS.



STAIR SIGNAGE — SCALE: HALF — 12



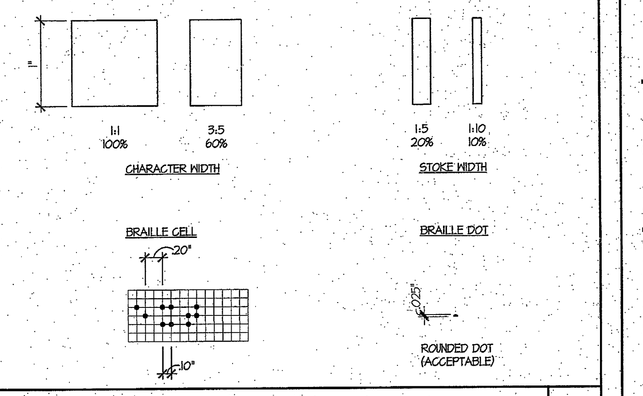
WALL-MOUNTED TOILET RM. SIGNAGE — SCALE: 3" = 1'-0" — 13



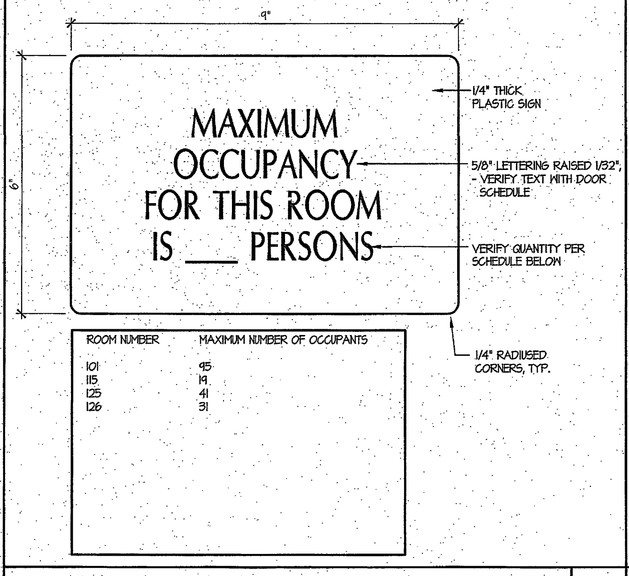
DOOR-MOUNTED TOILET RM. SIGNAGE — SCALE: 3" = 1'-0" — 14

ALL LETTERS MEASURED MUST BE UPPERCASE. BEGIN BY PRINTING THE LETTERS 'I', 'X', AND 'O' AT 1 INCH HIGH. PLACE THE TEMPLATE'S 1:1 SQUARE OVER THE 'X' OR 'O', WHICHEVER IS NARROWER. IF THE CHARACTER IS NOT WIDER THAN 1 INCH, NOR NARROWER THAN THE 3:5 RECTANGLE, THE PROPORTIONS ARE CORRECT. USE THE 1:5 RECTANGLE TO DETERMINE IF THE STROKE OF THE 'I' IS TOO BROAD, AND THE 1:10 RECTANGLE TO SEE IF IT IS TOO NARROW. IF ALL THE TESTS ARE PASSED, THE TYPESTYLE IS COMPLIANT WITH PROPORTION CODE.

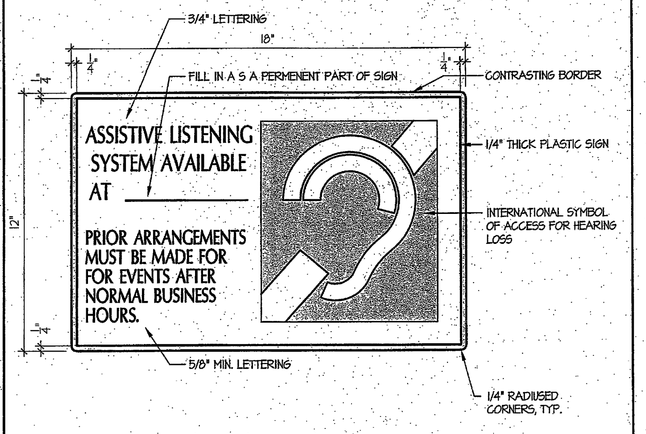
TEMPLATE FOR CHECKING CHARACTER AND STOKE WIDTH TO HEIGHT PROPORTIONS:



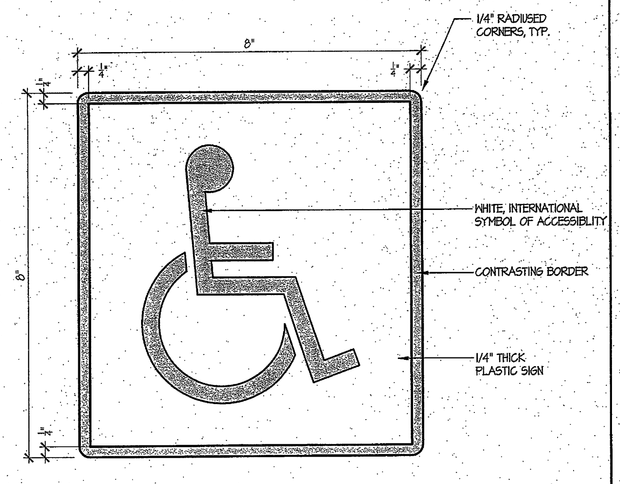
CHARACTER AND BRAILLE TEMPLATES — SCALE: FULL — 15



OCCUPANCY SIGNAGE — SCALE: HALF — 18



ASSISTIVE-LISTENING DEVICE SIGNAGE — SCALE: 3" = 1'-0" — 19



ACCESSIBILITY SYMBOL SIGN — SCALE: HALF — 20

tBP
architecture
planning
interiors
management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca. 92127
ph: 858.674.5400 fx: 858.674.5471

CONSTRUCTION COPY DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04-107979
AC ARCH REG
DATE SEP 29 2006
agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048U10
file name: D11-1101.dwg
drawn by: CT checked by:
date: 04/18/06

Rev:	date:	description:

drawing title: TYPICAL SIGNAGE DETAILS
building no.:
drawing no.: 11.01
drawing 46 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007 - REFERENCE DOCUMENTS ONLY

ELECTRICAL NOTES

1. ALL ELECTRICAL OUTLETS AND CONNECTIONS SHOWN ON THIS PLAN ARE FOR EQUIPMENT SHOWN ON FOOD SERVICE EQUIPMENT PLAN ONLY. SEE ELECTRICAL PLANS, NOTES, AND SCHEDULES (WHERE PROVIDED) FOR ADDITIONAL INFORMATION.
2. ELECTRICAL CONTRACTOR TO VERIFY INCOMING SERVICE. TO PROVIDE FINAL CONNECTIONS TO ALL APPLICABLE FOOD SERVICE EQUIPMENT AND TO PROVIDE ALL SWITCHES, BREAKERS, CONDUIT, STARTERS, ETC., UNLESS SPECIFICALLY STATED OTHERWISE.
3. ELECTRICAL CONTRACTORS SHALL PROVIDE ALL JUNCTION BOXES, OUTLETS, AND RECEPTACLES IN FIXTURES FABRICATOR TO LOCATE ALL RECEPTACLES AND SWITCHES WHEN PART OF FIXTURES INTERNAL WIRING TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
4. ALL HORIZONTAL DIMENSIONS SHOWN ARE FROM FINISHED FACE OF WALL TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED ON PLANS OR DETAILS.
5. ALL SYMBOLS NOTED +12,+18, ETC., TO STUB-OUT OF WALL AT HEIGHT INDICATED. HEIGHT IS GIVEN FROM FINISHED FLOOR TO CENTER LINE OF OUTLET NOT FROM FINISHED CURB.
6. ELECTRICAL CONTRACTOR TO PROVIDE 5' PIGTAIL FLEX CONDUIT AT ALL DIRECT CONNECT STUB-OUTS, EXTENDED AND CONNECTED TO FIXTURES.
7. ELECTRICAL CONTRACTOR TO WIRE MAGNETIC CONTACTOR(S) FOR POWER SHUT- OFF FOR ALL ELECTRIC COOKING EQUIPMENT AND ALL ELECTRICAL OUTLETS UNDER HOOD THAT IS PROTECTED BY THE FIRE PROTECTION SYSTEM. CONNECT 115 VOLT CONTROL CIRCUIT FROM MICRO SWITCH SYSTEM ON CYLINDER. MOUNT TO HOLDING COIL OF CONTACTORS
8. ELECTRICAL CONTRACTOR TO PROVIDE A MINIMUM OF THREE(3) WIRES ON ALL 208 OR 230 VOLT CIRCUITS.
9. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL STAINLESS STEEL COVER PLATES FOR ALL RECEPTACLES AND SWITCHES FOR FOOD PREPARATION AREAS UNLESS NOTED OTHERWISE. ALL RECEPTACLES TO BE SET HORIZONTALLY.
10. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL GENERAL LIGHTING FIXTURES COMPLETE WITH LAMPS.
11. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL LIGHTS MARKED "EXIT" TO MEET CODES, INTERNALLY ILLUMINATED WITH THE WORD "EXIT" IN GREEN LETTERS WITH WHITE BACKGROUND.
12. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL(2) SEPARATE CIRCUITS FOR EXIT SIGNS CONFORMING TO C.E.C., 2001
13. ELECTRICAL CONTRACTOR TO COMPLETE ALL NECESSARY FORMS TO SATISFY TITLE 24 BUILDING DEPARTMENT REQUIREMENTS.
14. ELECTRICAL CONTRACTOR TO PROVIDE NEW ELECTRICAL PANEL, IF NECESSARY AND NOTE ELECTRICAL RUN SIZES, WIRING, ETC., PER BUILDING DEPARTMENT REQUIREMENTS.
15. ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL FOR WALK-IN FREEZER AND COOLER, VERIFY LOCATION AND POWER REQUIRED.
16. ELECTRICAL CONTRACTOR TO INSTALL HOOD LIGHTING, INTERCONNECT LIGHTS IF MORE THAN ONE PROVIDED AND MAKE FINAL CONNECTION.
17. ELECTRICIAN TO PROVIDE CONVENIENT OUTLETS WHERE APPLICABLE PER CODES AND OWNERS REQUIREMENTS.
18. ELECTRICIAN TO CONTACT CLIENT REGARDGIN ELECTRICAL INFORMATION AND LOCATION FOR: SOUND SYSTEMS; CASH REGISTERS; TELEPHONE SYSTEMS; OR ANY OTHER FIXTURES NOT RELATED TO FOOD SERVICE EQUIPMENT PROVIDED.
19. ELECTRICIAN TO INSTALL ALL KITCHEN EQUIPMENT CONTROL PANELS. PROVIDE ALL WIRING CONNECTION BETWEEN EQUIPMENT AND CONTROL PANEL (SEE PLAN FOR ITEMS THAT EQUIPT WITH SEPARATE CONTROL PANEL)
20. ELECTRICIAN TO PROVIDED AND INSTALL 4" OCTAGON FIRE SUPPRESSION PULL STATION TO BE MOUNTED 48" FROM FINISHED FLOOR AT EGRESS EXIT WITH 1/2" CONDUIT (SEE DETAIL). ELECTRICIAN TO PROVIDE AND INSTALL ELECTRICAL MAGNETIC CONTACTOR CONNECT TO FIRE PROTECTION SYSTEM TO SHUT-OFF ALL ELECTRICAL COOKING EQUIPMENT AND ELECTRICAL OUTLETS BELOW EXHAUST HOOD(S).
21. ELECTRICIAN TO PROVIDE ALL KITCHEN EQUIPMENT ELECTRICAL HOOK UPS AND FINAL CONNECTIONS.
22. WHERE ANY PLANS OR SPECIFICATIONS ARE INCOMPLETE, AMBIGUOUS, OR CONTAIN CONFLICTING INSTRUCTIONS THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO CONTACT THE K.E.C. FOR CLARIFICATION BEFORE PROCESSING.

ELECTRICAL LEGEND

- DUPLEX RECEPT., 20-AMP, 120-VOLT, GROUNDING TYPE, NEMA 5-20R PLUS TYPE NOTE: AT BAR DIEWELLS, MOUNT RECEPTACLES HORIZONTALLY PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- SPECIAL RECEPT., 120/208V, OR 208 VOLT GROUND TYPE, HORIZONTAL MOUNT
- DEDICATED OUTLET, HORIZONTAL MOUNT FOR CASHIER/COMPUTER 120V. 15 AMP.
- SPECIAL PURPOSE OUTLET, 120-VOLT, GROUND TYPE, HORIZONTAL MOUNT
- TELEPHONE JACK PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- JUNCTION BOX WALL MOUNTED FLUSH WITH FINISH, U.O.N. PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- ELECTRICAL CONDUIT, STUB AS INDICATED
- VAPOR PROOF LIGHT
- FIELD WIRING, EXPOSED RIGID WATERTIGHT CONDUIT
- FIELD WIRING, CONCEALED IN WALL, FLOOR, OR CEILING
- CONVENIENCE OUTLET, GROUND TYPE 115 VOLT, 15 AMP, HORIZONTAL MOUNT NOTE: AT BAR DIEWELLS, MOUNT RECEPTACLES HORIZONTALLY PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- 5 MIN. AIR EXCHANGE FAN 12 EXCHANGES PER HOUR
- WALL MOUNTED SWITCH VERIFY TYPE W/ OWNER/DESIGNER PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- STUB-UP ELECTRICAL CONNECTIONS HEIGHT AS SPECIFIED
- REMOTE PULL STATION FOR FIRE SUPPRESSION SYSTEM - PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR

K.E.C. = KITCHEN EQUIPMENT CONTRACTOR
G.C.= GENERAL CONTRACTOR
P.C. = PLUMBING CONTRACTOR
M.W. = MILLWORK CONTRACTOR
TYP. = TYPICAL
U.O.N. = UNLESS OTHERWISE NOTED

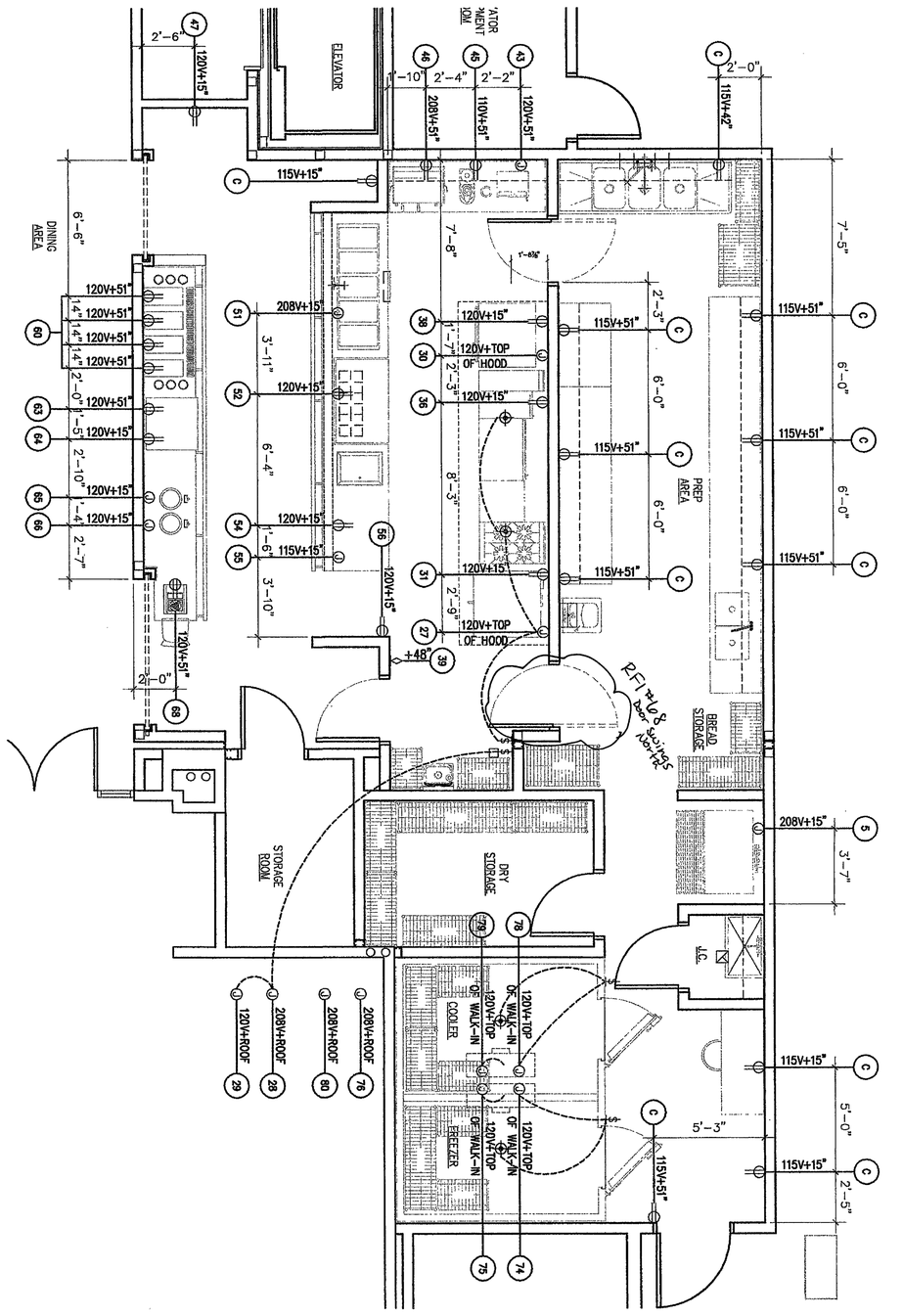
PLUMBING NOTES

1. ALL PLUMBING OUTLETS AND CONNECTIONS SHOWN ON THIS PLAN ARE FOR EQUIPMENT SHOWN ON FOOD SERVICE EQUIPMENT PLAN ONLY
2. PLUMBING CONTRACTOR TO VERIFY ALL INCOMING SERVICE AND MAKE FINAL HOOK-UP TO ALL APPLICABLE EQUIPMENT AND TO PROVIDE ALL PIPING, TEES, WELLS, TRAPS REGULATORS, FILTER, FAUCET, ETC., UNLESS OTHERWISE STATED.
3. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL INDIVIDUAL SHUT-OFF VALVE ON ALL WATER, WASTE AND GAS LINES.
4. ALL FLOOR AND WALL PENETRATIONS MUST BE SEALED WATER-TIGHT AND VERMIN-PROOF.
5. HORIZONTAL DIMENSIONS SHOWN ARE FROM FINISHED FACE OF WALL TO CENTER LINE OF STUB-OUT OR FROM CENTER LINE OF STUB-OUT TO CENTER LINE OF STUB, UNLESS NOTED OTHERWISE ON PLAN OR DETAIL (VERIFY ALL DIMENSIONS AT THE JOB SITE.
6. ALL SYMBOLS NOTED +12,+18, ETC., TO STUB-OUT OF WALL AT HEIGHT INDICATED. HEIGHT IS GIVEN FROM FINISHED FLOOR TO CENTER LINE OF STUB-OUT. ALL STUB-UP NOTED "STUB-OUT" ARE TO STUB-UP ABOVE FINISHED FLOOR.
7. ALL FLOOR SINKS SHOWN ARE TO BE SET FLUSH WITH FINISHED FLOOR, TRAPPED WITH LEGAL AIR GAP.
8. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL REMOVABLE COVERS OR GRILLS FOR ALL FULLY OR PARTIALLY EXPOSED FLOOR SINKS.
9. PLUMBING CONTRACTOR TO PROVIDE DRAIN LINES FROM ALL APPLICABLE EQUIPMENTS, INCLUDING WALK-IN COOLER, FREEZER, AND ANY REMOTE REFRIGERATION TO FLOOR SINK.
10. FLOOR SINK FROM DISH WASHING MACHINE TO HAVE 3" DRAIN PIPE
11. PLUMBER TO PROVIDE PRESSURE REGULATING VALVE FOR DISHWASHER 20 TO 25 PSIG REQUIRED.
12. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL PRESSURE REGULATING VALVES WHERE APPLICABLE.
13. IT IS RECOMMENDED THAT ALL POTABLE WATER LINES HAVE FILTERED WATER. FILTERS TO BE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR AND OR OWNER.
14. IT IS RECOMMENDED THAT THE INLET WATER FOR THE WATER HEATER BE SOFTENED. THIS TO BE PROVIDED AND INSTALLED BY PLUMBER CONTRACTOR AND OR OWNER.
15. WATER HEATER TO PROVIDE FOR ADEQUATE WATER CONSUMPTION AND BE SIZED BY PLUMBING CONTRACTOR. VERIFY LOCATION.
16. GAS PIPING TO BE BLACK STEEL. PIPE WITH MALLEABLE SCREWED IRON FITTINGS.
17. EACH PIECE OF EQUIPMENT SHOULD HAVE ITS OWN GAS COCK AND UNION SHUT-OFF VALVE.
18. FLOOR MATERIAL TO SLOPE 1/4" PER FOOT TOWARD FLOOR DRAINS WHERE APPLICABLE.
19. ALL SOAP AND TOWEL DISPENSERS AND REST ROOM FIXTURES TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.
20. WATER HEATER/BOILER WILL COMPLY WITH C.P.C., 2001 FOR THERMAL EXPANSION REQUIREMENTS.
21. ALL LAVATORY FAUCETS IN REST ROOMS SHALL BE THE SELF-CLOSING TYPE. PROVIDE VACUUM BREAKER AT HOSE BIBS IF APPLICABLE. PROVIDE ULTRA LOW FLUSH TOILETS IF APPLICABLE.
22. PLUMBER TO PROVIDE ACCESSIBLE FLOW CONTROL ON THE GREASE TRAP TO COMPLY WITH C.P.C., 2001.
23. PLUMBER TO PROVIDE ALL KITCHEN EQUIPMENTS FINAL VENT, WATER AND WASTE LINES HOOKUPS PER PLANS AND SPECIFICATIONS.
24. WHERE ANY PLANS OR SPECIFICATIONS ARE INCOMPLETE, AMBIGUOUS, OR CONTAIN CONFLICTING INSTRUCTIONS, THE PLUMBING CONTRACTOR IS RESPONSIBLE TO CONTACT THE K.E.C. FOR CLARIFICATION BEFORE PROCEEDING.
25. PROVIDE: . AUTOMATIC GAS SHUT-DOWN UPON ACTIVATION OF THE FIRE SUPRESSION SYSTEM.

PLUMBING LEGEND

- COLD WATER CONNECTION FAUCET SUPPLIED BY K.E.C., U.O.N. PIPING, STUB-IN, AND FINAL CONNECTION BY P.C., U.O.N.
- HOT WATER CONNECTION FAUCET SUPPLIED BY K.E.C., U.O.N. PIPING, STUB-IN, AND FINAL CONNECTION BY P.C., U.O.N.
- GAS CONNECTION W/ SHUT-OFF VALVE QUICK-DISCONNECT VALVE SUPPLIED BY K.E.C., U.O.N. PIPING, STUB-IN AND FINAL CONNECTION BY P.C., U.O.N.
- WASTE, DIRECT-CONNECTED UNLESS NOTED "OPEN HUB"
- FLOOR DRAIN, MIN. 1/4"-12" SLOPE TO DRAIN PER NOTES AND DETAILS. SUPPLIED AND INSTALLED BY P.C., U.O.N.
- FLOOR DRAIN W/ATTACHED FUNNEL
- FLOOR SINK WITH HALF GRATE UNLESS NOTED OTHERWISE
- FIELD CONNECTIONS
- STUB UP WATER, HEIGHT AS PER SPECIFIED

K.E.C. = KITCHEN EQUIPMENT CONTRACTOR
G.C.= GENERAL CONTRACTOR
P.C. = PLUMBING CONTRACTOR
M.W. = MILLWORK CONTRACTOR
TYP. = TYPICAL
U.O.N. = UNLESS OTHERWISE NOTED



PLAN 1

ELECTRICAL ROUGH IN

1/4" = 1'-0"

PLAN 2

PLUMBING ROUGH IN

1/4" = 1'-0"

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC — RS — SS
DATE SEP 29 2006

agency: Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

consultant: ORNESS/DESIGN GROUP/INC
5955 MIRA MESA BLVD., SUITE H
SAN DIEGO, CALIFORNIA 92121
TEL 858.457.5955 FAX 858.457.5950
EMAIL INFO@ORNESSDESIGNGROUP.COM
WWW.ORNESSDESIGNGROUP.COM

architect: tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

LICENSED ARCHITECT Robert McMurray No. 06223 REGN. 8-31-07 STATE OF CALIFORNIA

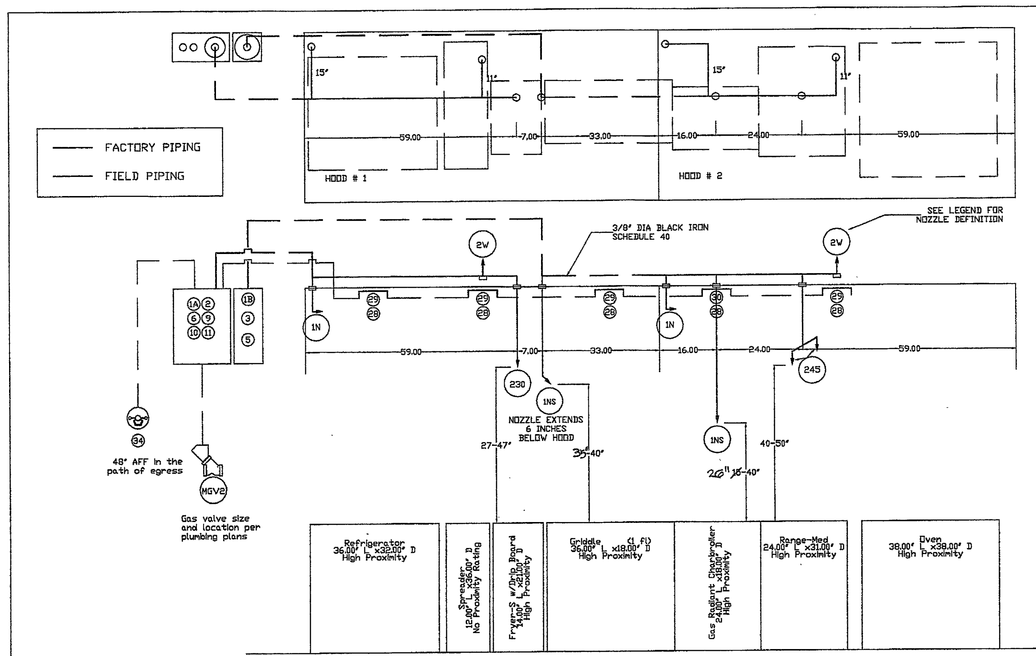
tBP
architecture
planning
interiors
management

owner:
tBP project number : 2049410
file name: MIRACOSTA FS.dwg
drawn by: PD checked by:
date: 04/18/06

Rev	date	description
	9.19.06	DSA COMMENTS

drawing title: building no: 0
FOODSERVICE EQUIP. ROUGH-INS
drawing no: **FS-2**
drawing 49 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



14 FP ON 16 FP ANSUL R102 4.5 GALLON SYSTEM

Job Name: Miracosta
System Size: ANSUL -30/15 Total FP required: 14
Hood # 1 8' 3.00" Long x 48" Wide x 24" High
Riser # 1 Size: 10" x 20"
Hood # 2 8' 3.00" Long x 48" Wide x 24" High
Riser # 1 Size: 10" x 20"

NOTES
- FIELD PIPE DROPS AS SHOWN
- SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE.
- MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE.
- IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
- THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS

ATTENTION
COOKING LINE MUST BE FULLY OPERATIONAL BEFORE FIRE SYSTEM CAN BE TESTED

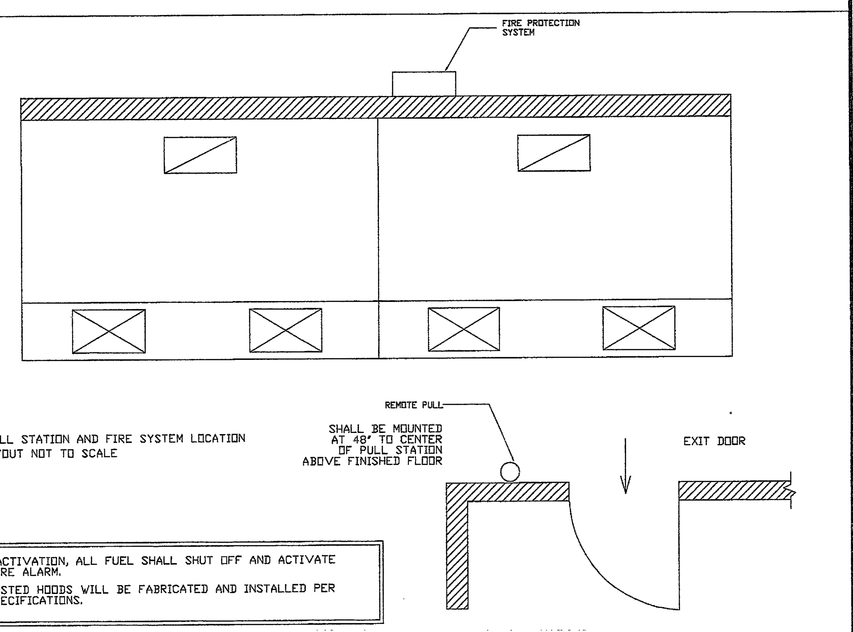
1) ALL INSTALLATION PROCEDURES ARE IN COMPLIANCE WITH ALL MANUFACTURERS SPECIFICATIONS AS OUTLINED IN NFPA 17A.
2) CONTROL HEAD INDICATES SYSTEM AS BEING "SET" OR "DISCHARGED".
3) ALL APPLIANCE NOZZLES TO BE INSTALLED BETWEEN ACCEPTABLE DISTANCES FROM CENTER POINT OF SPECIFIED COOKING HAZARD AS PRESCRIBED IN MOST CURRENT MANUFACTURER TECHNICAL MANUAL.
4) ALL PLENUM NOZZLES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS FOR PLACEMENT AND PROTECTION LIMITATIONS.
5) ALL DUCT NOZZLES SHALL BE INSTALLED AT THE MIDPOINT OF THE AREA THEY PROTECT AND BETWEEN 2" AND 8" UP FROM BASE OF DUCT.
6) SYSTEM SHALL BE TIED INTO AND SUPERVISED BY BUILDING FIRE ALARM SYSTEM AND ACTIVATE GENERAL ALARM UPON DISCHARGE (IF APPLICABLE).
7) CUSTOMER TO PROVIDE 2A-10BC RATED PORTABLE FIRE EXTINGUISHER NEAR SERVICE COUNTER AREA IN AN EASILY ACCESSIBLE LOCATION.
8) CUSTOMER TO PROVIDE A MINIMUM 1.5 GALLON LISTED K-CLASS RATED FIRE EXTINGUISHER WITHIN 30' OF HEAT PRODUCING EQUIPMENT IN PATH OF EGRESS. (FIRE EXTINGUISHER LOCATIONS SUBJECT TO FIRE DEPARTMENT APPROVAL).
9) SYSTEM TO BE TESTED, FIRED AND WITNESSED BY FIRE AUTHORITIES UPON COMPLETION AND PRIOR TO SYSTEM BEING PUT INTO SERVICE. TEST TO INCLUDE OPERATION OF REMOTE PULL STATION, LAST FUSIBLE LINK ON DETECTION LINE AND FUEL SHUTOFF DEVICES.
10) IT WILL BE THE SOLE RESPONSIBILITY OF THE RESTAURANT OWNER TO MAINTAIN AND SERVICE THE SYSTEM AS PRESCRIBED BY LOCAL AND STATE LAWS.

FIRE SYSTEM INFORMATION

FIRE SYSTEM NO.	TYPE	SIZE	FLOW POINTS	INSTALLATION	
				SYSTEM	LOCATION ON HOOD
1	Ansul R102	30/15	14	Wall Mount	N/A

Fire System Parts List Key

FIRE SYSTEM NO.	KEY NUMBER - PART DESCRIPTION	QTY. BY FACTORY	QTY. BY DIST.
1	1 - AT - 1.5 Gal. SS Tank (use w/ Release, Actuator, SS Enclosure)	0	1
	1 - AT - 3.0 Gal. SS Tank (use w/ Release, Actuator, SS Enclosure)	0	1
	2 - AP - AR AUTOMAN RELEASE - Ansul Automan Mechanical Release	0	1
	3 - AP - AE ENCLOSURE - Stainless Steel Enclosure Assembly (UL)	0	1
	5 - LIQ-3.0 AGENT - Ansulex Low PH Wet Chemical Agent, 3 Gallon	0	1
	6 - LIQ-1.5 AGENT - Ansulex Low PH Wet Chemical Agent, 1.5 Gallon	0	1
	9 - 101-30 CARTRIDGE - Carbon Dioxide, 101-30, Double Tank Cartridge	0	1
	10 - TLINK LINK - Test Link Package	0	1
	11 - MICRO-SW MICROSWITCH - Single Dual Electric Switch	0	1
	12 - HOSEGROMMET HOSE - Hose/Grommet Package	0	1
	13 - 419327 NOZZLE - 2V Nozzle, Duct	2	0
	16 - 419335 NOZZLE - 1N Nozzle, Plenum/Appliance	4	0
	20 - 419340 NOZZLE - 2AS Nozzle, Appliance	2	0
	21 - 419339 NOZZLE - 2SG Nozzle, Appliance	1	0
	25 - 418569 NOZZLE ADAPTER - Swivel Nozzle Adaptor	2	0
	26 - QSA-3/8 QUIK SEAL - 3/8" (UL)	8	0
	27 - QPSA-1/2 PULLEY SEAL - 1/2" Hood Seal (UL)	1	0
	28 - S-DET DETECTOR - Series (Scissor Linkage)	5	0
	29 - ANS-360FL FUSIBLE LINK - 360deg F, R-102 and PIRANHA	4	0
	30 - ANS-500FL FUSIBLE LINK - 500deg F, R-102 and PIRANHA	1	0
	34 - RPS-A REMOTE PULL STATION - Aluminum (without wire rope)	0	1
	35 - PE-LT PULLEY ELBOW - Low T. Pulley Elbow, Set Screw Type	0	10
	36 - PE-HT PULLEY ELBOW - High T. Pulley Elbow, Compression Type	1	0
	41 - SN-CHAR SINGLE NOZZLE EXTENDED DROP ASSY	2	0



UPON ACTIVATION, ALL FUEL SHALL SHUT OFF AND ACTIVATE THE FIRE ALARM.

ALL LISTED HOODS WILL BE FABRICATED AND INSTALLED PER UL SPECIFICATIONS.

GENERAL:
CONTRACTOR ACKNOWLEDGE FOR ADDITIONAL LABOR AND PARTS REQUIRED AS A RESULT OF ENGINEERING EQUIPMENT LAYOUT CHANGES OR REINTEGRATION AFTER RELEASE OF ORDER.

CONTRACTOR RESPONSIBLE FOR ADDITIONAL TRIPS BY FIRE SYSTEM INSTALLER DUE TO JOB SITE DELAYS.

SEVEN LIQUID CHANNEL 3" RESERVOIR, ARE EXTRA.

ELECTRICAL:
INTERLOCK ALL ELECTRICAL EQUIPMENT WITH GAS SHUT OFF WHEN FIRE SYSTEM IS ACTIVATED. ELECTRICAL CONTRACTOR TO PROVIDE 120 VOLT POWER TO EACH SYSTEM. ELECTRICAL CONTRACTOR TO INSTALL ALL ELECTRICAL DEVICES AS SHOWN ON PLANS AND AS REQUIRED BY LOCAL CODES. ELECTRICAL CONTRACTOR TO INSTALL ONLY U.L. LISTED DEVICES. ALL ELECTRICAL DEVICES TO BE INSTALLED ONLY AFTER FINAL APPROVAL OF FIRE SYSTEM BY AUTHORITIES.

GAS:
THE SIZING OF THE FIRE SYSTEM SHALL COMPLY WITH UNIFORM MECHANICAL CODE GUIDELINES FOR SIZING RESTRAINTS OF PIPEWORK. SPACING OF PIPE AND FITTINGS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED X-RIGID SUPPORTS AND SPACING OF PIPE AND FITTINGS.
AT ANY GIVEN TIME OF THE DAY.
ALL GAS APPLIANCES SHALL BE INTERCONNECTED TO THE ANSUL SYSTEM AND WILL ACTIVATE WHEN THE SYSTEM IS ACTIVATED.

FIRE SUPPRESSION SYSTEM TEST:
AFTER INSTALLATION IS COMPLETE, IT SHALL BE CONDUCTED IN FRONT OF A STATE FIRE INSPECTOR. TEST WILL BE CONDUCTED SIMULATING THE MANUAL PULL AND AUTOMATIC ACTUATION.

MAINTENANCE:
SHUT OFF VALVES FOR PRESTORED GAS IS SHOWN WITH TAGS IN THE LOCKED SHUT / APPLIANCE LOCK / HANDLE REMOVED POSITION. THE SYSTEM SHALL BE SERVICED SEMI-ANNUALLY BY A CERTIFIED SERVICE AGENT. SERVICE OR REPLACE ANY DEVICE OR PORTION THAT MAY NOT BE PROPERLY OR FULLY FUNCTIONAL. ONLY FACTORY APPROVED REPLACEMENT PARTS SHALL BE USED. ANY CHANGE IN HAZARD REQUIRES RECALCULATION OF SYSTEM. SYSTEM SHALL BE RETESTED WHENEVER CHANGES MADE. RECHARGE SHALL BE NO LESS THAN 6 YR.

GENERAL NOTES

THE REGULATED RELEASE ASSEMBLY, REGULATOR ACTUATOR ASSEMBLY, AND PANEL ENCLOSURE SHALL BE LOCATED WITHIN 24" OF THE FLOOR AND NOT MORE THAN 48" ABOVE THE FLOOR OR GRADE OR READILY ACCESSIBLE.

1. MONITOR THE REGULATED RELEASE ASSEMBLY AND EACH REGULATED RELEASE ACTUATOR ASSEMBLY REQUIRED BY COMPLETING THE FOLLOWING STEPS:

A. INSTALL A RIGID SURFACE FOR MOUNTING THE ENCLOSURE THE MOUNTING LOCATION SHALL ALLOW THE ENCLOSURE DOOR TO OPEN FULLY AND SHALL BE WITHIN 24" OF THE FLOOR OR GRADE. THE LOCATION AND ORIENTATION OF THE ACTUATION AND PROTECTION SHALL BE SUCH THAT THE ACTUATION AND PROTECTION CABLES ARE NOT EXPOSED TO EXCESSIVE HEAT OR TO ANY MECHANICAL DAMAGE WHICH MAY PREVENT PROPER OPERATION OF THE SYSTEM.

B. DETERMINE THE COVER FROM THE ENCLOSURE. REMOVE AGENT TANK FROM ENCLOSURE AND INSTALL IN THE SHELLFISH LINE THAT RUNS FROM THE FOOD CONTAINER TO THE HOOD.

C. REMOVE ENCLOSURE BOX TO SELECTED MOUNTING LOCATION USING THE ENCLOSURE AS A TEMPLATE. MARK AND DRILL MOUNTING HOLES. USE MOUNTING HARDWARE AS APPROPRIATE.

D. FINE SUPPRESSION SYSTEM INSTALLATION PER NFPA 17A TO 96 AND 2006 CALIFORNIA FIRE CODE.

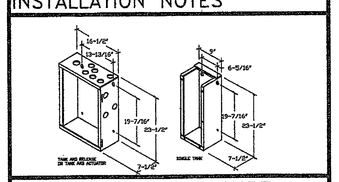
E. MOUNT CANISTER IN ENCLOSURE AND TIGHTEN ALL NUTS AND BOLTS TO SECURE CANISTER IN PLACE. USE MOUNTING HARDWARE AS APPROPRIATE.

F. INSTALL ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS OR APPROVED EQUAL.

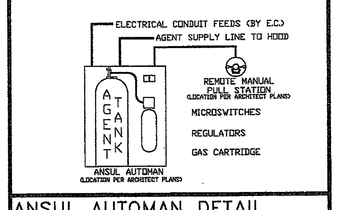
G. PIPE SHALL BE 3/8" BLACK IRON SCHEDULE 40.

H. ALL EXPOSED PIPE SHALL BE CHROME SLEEVED.

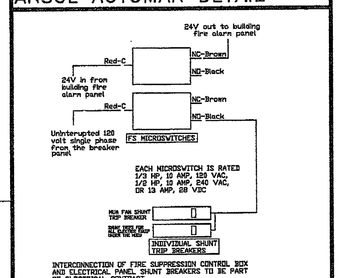
INSTALLATION NOTES



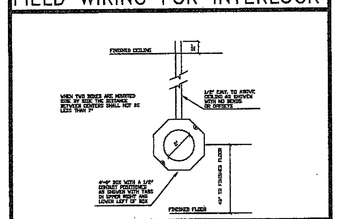
ANSUL TANK ENCLOSURE



ANSUL AUTOMAN DETAIL



FIELD WIRING FOR INTERLOCK



REMOTE PULL STATION

CAPTIVEAIRE
SOUTHERN CALIFORNIA REGIONAL OFFICE
17910 SKYPARK SUITE 210, IRVINE, CA 92614
PHONE: (949) 660-7701, (800) 967-7701
FAX: (949) 660-7702
E-Mail: reg86@captiveair.com

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

ORNESS | DESIGN GROUP | INC
3555 HARA MESA BLVD., SUITE H
SAN DIEGO, CALIFORNIA 92123
TEL: (858) 277-0555 FAX: (858) 277-0559
EMAIL: ORNESSDESIGNGROUP@YAHOO.COM
WWW.ORNESSDESIGNGROUP.COM

consultant

FIRE PROTECTION SYSTEM
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC. — ES — Dr.
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

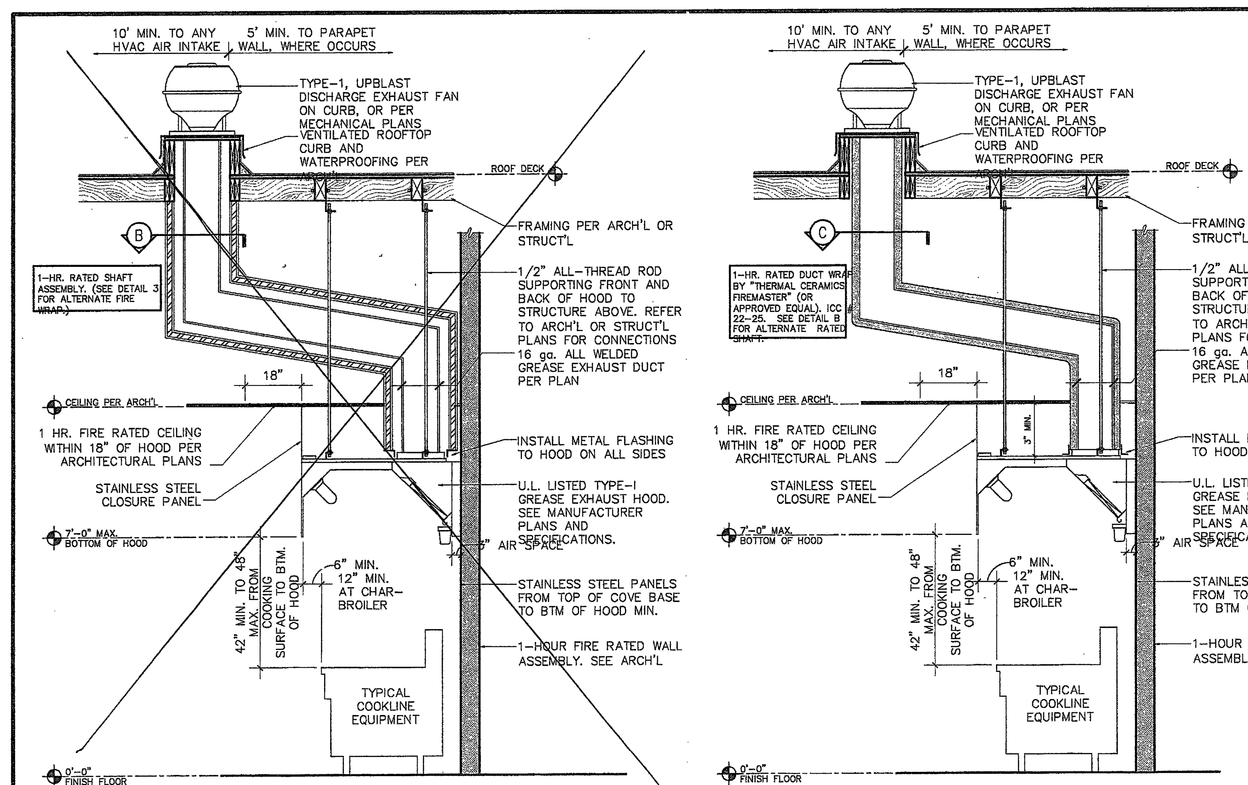
owner

tBP project number : 2048.10
file name: MIRACOSTA FS.dwg
drawn by: PD checked by:
date: 09/18/06

Rev:	date:	description:
	9.19.06	DSA COMMENTS

drawing title: FOODSERVICE EQUIP. EXHAUST HOOD
building no: C
drawing no: FS-3
drawing 50 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



~~SECTION WITH 1 HOUR RATED SHAFT~~ ~~(ALTERNATE)~~ SECTION WITH 1 HOUR RATED DUCT WRAP

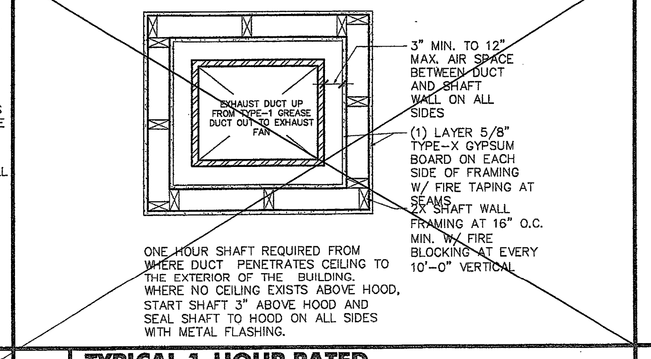
A TYPICAL EXHAUST HOOD SECTION

NOTE: WHERE CONFLICTS OCCUR, ARCHITECTURAL OR MECHANICAL PLANS AND DETAILS SUPERCEDE THIS DETAIL.

SCALE: NONE

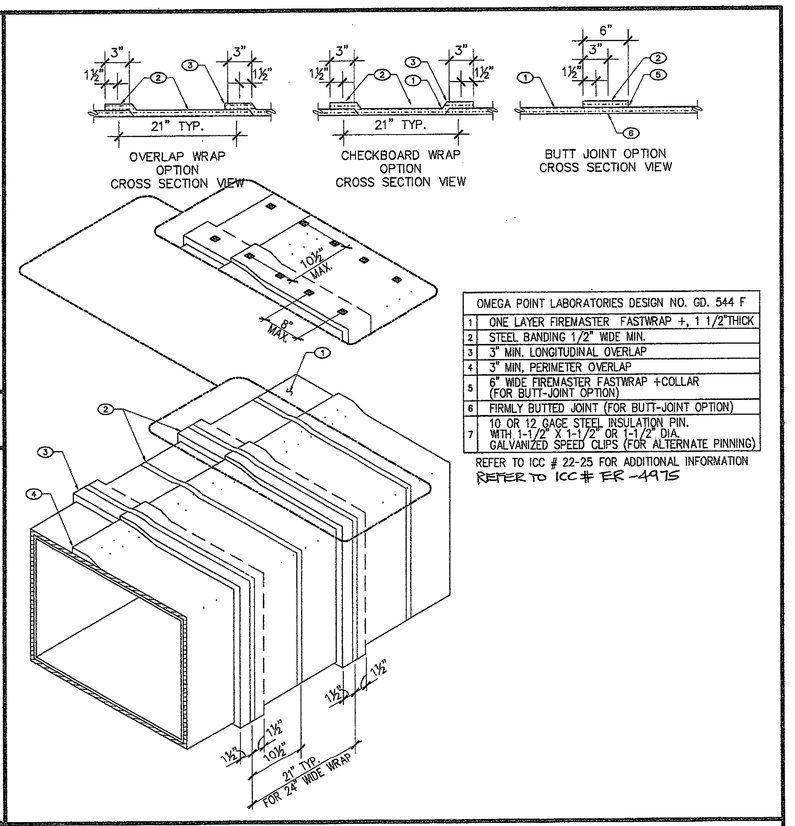
1. MECHANICAL EXHAUST SYSTEM TO BE PROVIDED OVER ALL COOKING EQUIPMENT.
2. MECHANICAL INDUCED MAKE-UP AIR MUST BE PROVIDED FOR COOKING AND DISHWASHING EXHAUST HOODS AT A SUFFICIENT CAPACITY TO REPLACE 100% OF AIR BEING EXHAUSTED.
3. MAKE-UP AIR SHALL BE DELIVERED IN THE PROXIMITY OF THE EXHAUST SYSTEM IN A MANNER NOT TO CREATE UNDUE AIR TURBULENCE IN THE WORKING AREAS.
4. LOCATION OF THE EXHAUST AND MAKE-UP AIR DUCT(S) ARE TO BE VERIFIED AT THE JOB SITE.
5. U.L. LISTED EXHAUST HOOD(S) TO BE CONSTRUCTED AND INSTALLED TO ALL U.L. SPECIFICATION.
6. ELECTRICAL CONTRACTOR TO INSTALL HOOD LIGHTING. INTER-CONNECT LIGHTS IF MORE THAN ONE PROVIDE AND MAKE FINAL CONNECTIONS.
7. ELECTRICAL CONTRACTOR TO PROVIDE INTERLOCK SWITCH FOR THE MAKE-UP AIR SYSTEM AND EXHAUST BLOWER (TYP). ELECTRICIAN TO PROVIDED AND INSTALL 4" OCTAGON FIRE SUPPRESSION PULL STATION TO BE MOUNTED 48" FROM FINISHED FLOOR AT EGRESS EXIT WITH 1/2" CONDUIT (SEE DETAIL).
8. GENERAL CONTRACTOR TO PROVIDE ALL ROOF PENETRATION(S) EXHAUST SHAFT AND PRE-FABRICATED BLOWER AND MAKE-UP AIR CURB(S).
9. TURBINE UPDRAFT EXHAUST FANS SHALL BE HINGED AND CHAINED FOR CLEANING OF VERTICAL DUCT BY MECH. CONTRACTOR.

D EXHAUST HOOD NOTES



B TYPICAL 1-HOUR RATED EXHAUST SHAFT

SCALE: NONE



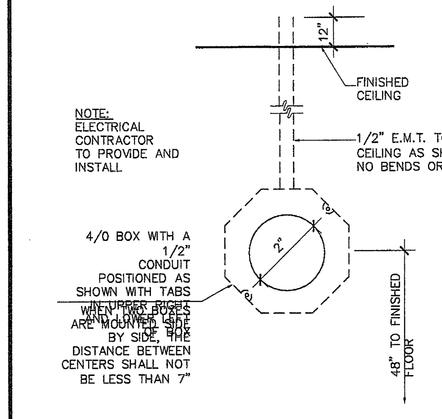
OMEGA POINT LABORATORIES DESIGN NO. GD. 544 F	
1	ONE LAYER FIREMASTER FASTWRAP +, 1 1/2"THICK
2	STEEL BANDING 1/2" WIDE MIN.
3	3" MIN. LONGITUDINAL OVERLAP
4	3" MIN. PERIMETER OVERLAP
5	6" WIDE FIREMASTER FASTWRAP +COLLAR (FOR BUTT-JOINT OPTION)
6	FIRMLY BUTTED JOINT (FOR BUTT-JOINT OPTION)
7	10 OR 12 GAGE STEEL INSULATION PIN. WITH 1-1/2" X 1-1/2" OR 1-1/2" DIA. GALVANIZED SPEED CLIPS (FOR ALTERNATE PINNING)

REFER TO ICC # ER-4975 FOR ADDITIONAL INFORMATION

C TYPICAL 1-HOUR RATED EXHAUST DUCT WRAP

ALTERNATE TO RATED SHAFT

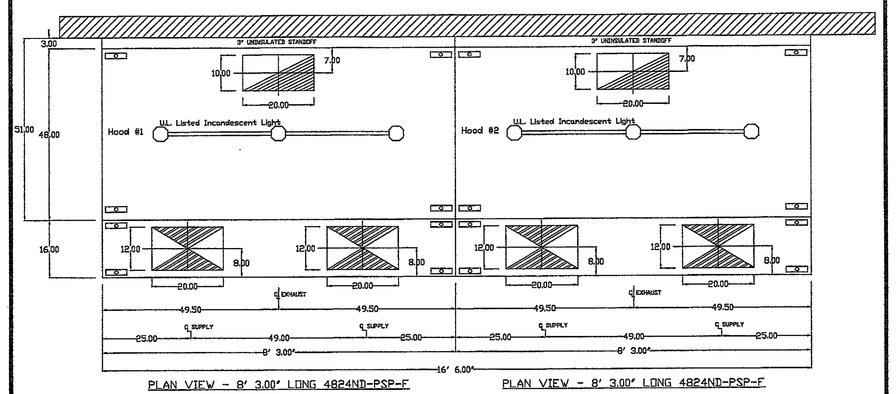
SCALE: NONE



NOTE: ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL

E FIRE SUPRESSON SYSTEM REMOTE PULL STATION

SCALE: NONE



F PLAN - HOOD 1

1. KITCHEN TYPE I EXHAUST HOODS SHALL BE UL LISTED (SEE UL LISTING DESCRIPTION)
2. JOINTS AND SEAMS ON EXHAUST HOODS SHALL BE WELDED LIQUID-TIGHT
3. EXHAUST FAN MOTOR SHALL BE LOCATED OUTSIDE OF THE EXHAUST DUCT. EXHAUST DISCHARGE MUST TERMINATE AT LEAST 40 INCHES ABOVE THE HIGHEST POINT THE SURFACE OF THE ROOF MEETS THE DUCT
4. MAKE UP AIR FANS MUST BE ELECTRICALLY INTERLOCKED WITH THE HOOD EXHAUST FAN
5. ALL OUTSIDE AIR INTAKES SHALL BE LOCATED A MINIMUM OF 10 FEET AWAY FROM THE EXHAUST DUCT TERMINATION
6. FOR LISTED HOODS, A 6" OVERHANG MINIMUM IS REQUIRED ON ALL SIDES OF EQUIPMENT.
7. GREASE TROUGH SHALL BE SLOPED TO REMOVABLE GREASE CUP (1 GALLON MAX)
8. CLEARANCE TO COMBUSTIBLES SHALL BE OBSERVED FOR THE FOLLOWING:
   - 18 INCHES, OR
   - 2-HOUR RATED DUCT W/ DESIGN LISTING INFORMATION, OR
   - 9 IN. OR 3 IN., FOLLOWING NFPA 96 GUIDELINES (1-3.2.1)
9. EXHAUST HOOD METAL SHALL BE A MINIMUM OF 18 GA ALUMINIZED STEEL AND 20 GA STAINLESS STEEL
10. DISTANCE FROM THE FLOOR TO THE BOTTOM OF THE HOOD ON A CANOPY EXHAUST HOOD SHALL BE 75" - 84".
11. DISTANCE FROM THE COOKING SURFACE TO THE BOTTOM OF THE FILTER SHALL BE GREATER THAN 18" (SEE DRAWING)
12. CLEANOUTS ON THE EXHAUST DUCT SHALL BE PROVIDED AT ALL CHANGES OF DIRECTION AND 20 FOOT INTERVALS ON ALL HORIZONTAL RUNS
13. CLEANOUTS ON THE EXHAUST DUCT SHALL HAVE A MINIMUM DIMENSION OF 12"
14. AN AUTOMATIC SUPPRESSION SYSTEM COMPLYING WITH UL300 SHALL BE INSTALLED IN THE KITCHEN HOOD SYSTEM
15. IF A FIRE ALARM IS PROVIDED, THE AUTOMATIC SUPPRESSION SYSTEM MUST BE CONNECTED TO THE FIRE ALARM SYSTEM.
16. ACTIVATION OF THE SYSTEM SHALL AUTOMATICALLY SHUT OFF ALL FUEL AND HEAT COMPONENTS TO ALL EQUIPMENT UNDER THE HOOD
17. MANUAL ACTIVATION FOR THE SUPPRESSION SYSTEM SHALL BE LOCATED AT LEAST 10' BUT NOT MORE THAN 20' AWAY FROM THE EXHAUST HOOD, IN THE PATH OF EGRESS.
19. HOOD MUA MUST BE TEMPERED WITH IN 10° F OF AIR IN CONDITIONED SPACE
20. KITCHEN EQUIPMENT CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS
21. DISHWASHER FAN SWITCH SUPPLIED BY MECHANICAL OR ELECTRICAL CONTRACTOR
22. KITCHEN EQUIPMENT CONTRACTOR SHOULD SEAL THE PERIMETER OF THE HOOD WHEN IN CONTACT WITH A PERFORATED SUPPLY PLENUM, WHERE APPLICABLE.

HOOD INFORMATION

HOOD NO.	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM RISER(S) TOTAL CFM	WIDTH	LENG.	DIA.	S.P.	SUPPLY PLENUM RISER(S) TOTAL SUP. CFM	WIDTH	LENG.	DIA.	S.P.	HOOD CONSTRUCTION	HOOD CONFIG. END TO END	ROW
1	4824 ND-PSP-F	8' 3.00"	600 Deg.	2270	10"	29"		.8270	1816					430 SS Where Exposed	LEFT	FRONT
2	4824 ND-PSP-F	8' 3.00"	600 Deg.	2270	10"	29"		.8270	1816					430 SS Where Exposed	RIGHT	FRONT

HOOD INFORMATION

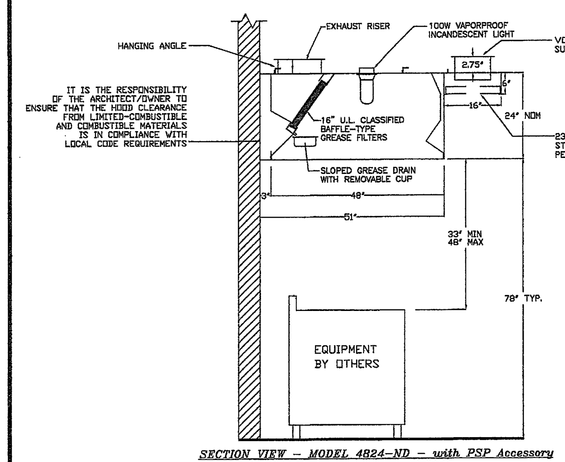
HOOD NO.	FILTER(S) TYPE	QTY.	HEIGHT	LENGTH	LIGHT(ED) QTY.	TYPE	VAPR. PROOF	UTILITY CABINET(S) LOCATION	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	SWITCHES LOCATION	FIRE SYSTEM PIPING	HOOD WEIGHT
1	SS Baffle with Handles	5	16"	20"	3	Incandescent Light	NO							NO	343 LBS.
2	SS Baffle with Handles	5	16"	20"	3	Incandescent Light	NO							NO	343 LBS.

PERFORATED SUPPLY PLENUM(S)

HOOD NO.	POS.	LENGTH	WIDTH	HEIGHT	RISER(S) WIDTH	LENG.	DIA.	CFM	S.P.
1	Front	99"	16"	6"	12"	20"		908	0.149"
					12"	20"		908	0.149"
2	Front	99"	16"	6"	12"	20"		908	0.149"
					12"	20"		908	0.149"

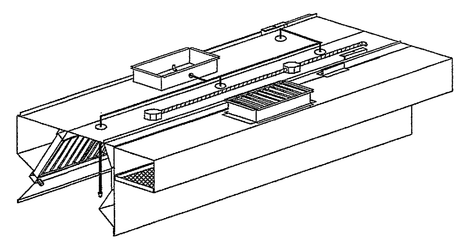
HOOD OPTIONS

HOOD NO.	OPTION
1	BACK STANDOFF 3" Wide
2	BACK STANDOFF 3" Wide



SECTION VIEW - MODEL 4824-ND - with PSP Accessory

G SECTION - HOOD 1



H KITCHEN EXHAUST HOOD REQUIREMENTS

CAPTIVE-AIRE HOODS HAVE OPTIONAL CLEARANCE REDUCTION SYSTEMS AVAILABLE AS FOLLOWS:

MATERIAL	CLEARANCE REDUCTION SYSTEM
NON-COMBUSTIBLE	NONE REQUIRED
LIMITED-COMBUSTIBLE	3" UNINSULATED STANDOFF
COMBUSTIBLE	3" INSULATED STANDOFF

CLEARANCE TO COMBUSTIBLES

INSTALLATION

1. ALL ELECTRICAL "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY ELECTRICAL CONTRACTORS.
2. ALL PLUMBING "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY PLUMBING CONTRACTORS.
3. HANGING BRACKETS LOCATED AND WELDED AS SHOWN ON PLANS. ALL OTHER HANGER MATERIALS PROVIDED BY INSTALLING CONTRACTORS.
4. ALL CONNECTIONS FROM CAPTIVE-AIRE DUCT PER MECHANICAL CONTRACTOR'S PLANS.
5. COOKING EQUIPMENT TO SHUTOFF IN EVENT OF FIRE.
6. EXHAUST FANS TO TURN ON IN EVENT OF FIRE.
7. ALL LIGHTS FIXTURE SHOWN INSTALLED BY CAPTIVE-AIRE ARE FACTORY PREWIRED. INTERCONNECTIONS BETWEEN HOODS AND TO SWITCHES BY ELECTRICAL CONTRACTORS.
8. LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTORS.
9. SEISMIC RESTRAINTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR.
10. INSTALLING CONTRACTORS ASSUME ALL RELATED RESPONSIBILITY FOR VERIFICATION OF DIMENSIONAL DATA CONTAINED ON THESE DOCUMENTS FOR ACCURACY, INTEGRATION, AND ADMINISTRATION OF CODE REQUIREMENTS IN EFFECT PRIOR TO ANY RELEASE FOR PRODUCTION OF EQUIPMENT SHOWN.

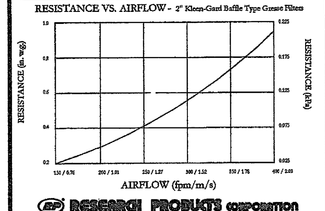
BALANCE

11. KITCHEN HOODS MUST BE BALANCED WITH KITCHEN.
12. KITCHEN SHALL BE NEGATIVE WITH RESPECT TO DINING AREA.
13. RESTAURANT SHALL BE POSITIVE WITH RESPECT TO AMBIENT PRESSURE.

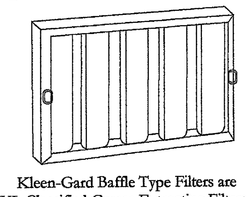
ADDITIONAL

14. WRITTEN HOOD DIMENSIONS HAVE PRECEDENCE OVER SCALE.
15. SIGNED AND "APPROVED" COPIES OF THIS DOCUMENT MUST BE RECEIVED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.

GENERAL NOTES

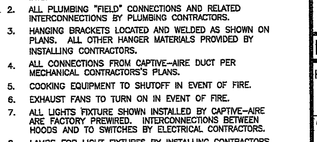


RESEARCH PRODUCTS CORPORATION



Kleen-Gard Baffle Type Filters are UL Classified Grease Extracting Filters.
MEA # 168-78-M Aluminum
MEA # 247-96-E Stainless Steel

FILTER DETAIL



*ROD AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR HANGING ANGLE IS PRE-PUNCHED AT FACTORY

HANGING ANGLE DETAIL

HOOD STYLE	DIM FROM REAR	DIM FROM FRONT (24"H)	DIM FROM FRONT (30"H)
CANOPY EXHAUST ONLY	2.00"	10.50"	6.00"
WITH PSP	2.00"	10.50"	6.00"
BACKSHELF EXHAUST ONLY	2.00"	14.25"	–
PIPE-IN	36"X36"	42"X42"	48"X48"
FRONT/BACK DIMS. OF SIZE	6"	14"	14"

HANGING ANGLE LOCATIONS

EXHAUST CFM=LENGTH OF HOOD X CFM/LIN.FT. (LOAD)

SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED

TOTAL DUCT AREA=144 X CFM / FPM(V) = TOTAL DUCT AREA / DUCT DEPTH

DUCT LENGTH=

*CAPTIVE-AIRE VENTILATOR DUCT SIZES ARE CALCULATED USING AN EXHAUST VELOCITY OF 1500-1800 FPM AND A SUPPLY VELOCITY OF 1000 FPM.

CALCULATIONS UTILIZED

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:

ETL LISTED # 3054804-001 & 3054804-002

NSF

NFPA

BUILDIGN CODES

CAPTIVE-AIRE
SOUTHERN CALIFORNIA REGIONAL OFFICE
17910 SKYPARK SUITE 210, IRVINE, CA 92614
PHONE: (949) 660-7701, (800) 967-7701
FAX: (949) 660-7702
E-Mail reg98@captiveair.com

tBP architecture planning interiors management
tBP/architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

ORNESS/DESIGN GROUP/INC
5053 MIRA MESA BLVD., SUITE H
SAN DIEGO, CALIFORNIA 92121
TEL (858) 549-0900 FAX (858) 549-0909
EMAIL ENGINEERS@ORNESSDESIGN.COM
WWW.ORNESSDESIGNGROUP.COM
consultant

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04-107979
AC. — RS — A — 08
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

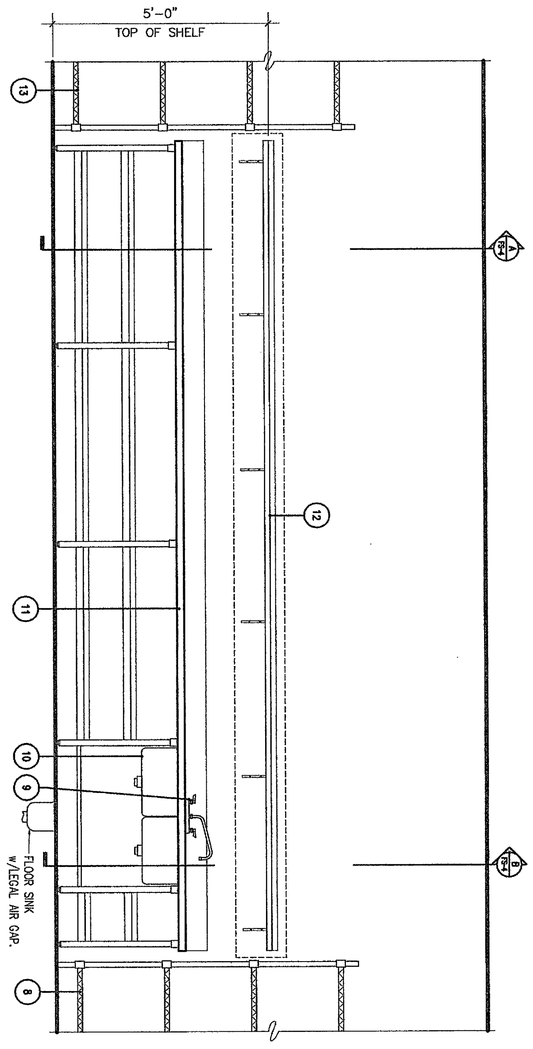
tBP project number : 2048.10
file name: MIRACOSTA FS.dwg
drawn by: PD checked by:
date: 04/18/06

Rev.	date:	description:
1	9.19.06	DSA COMMENTS

drawing title: FOODSERVICE EQUIP. EXHAUST HOOD
building no.: 0
drawing no: FS-3.1
drawing 51 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY

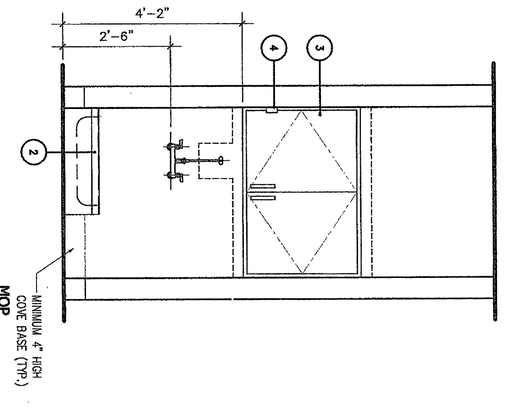
ELEVATION 1



PREP SINK / WORK COUTER

1/2" = 1'-0"

ELEVATION 2



MOP SINK

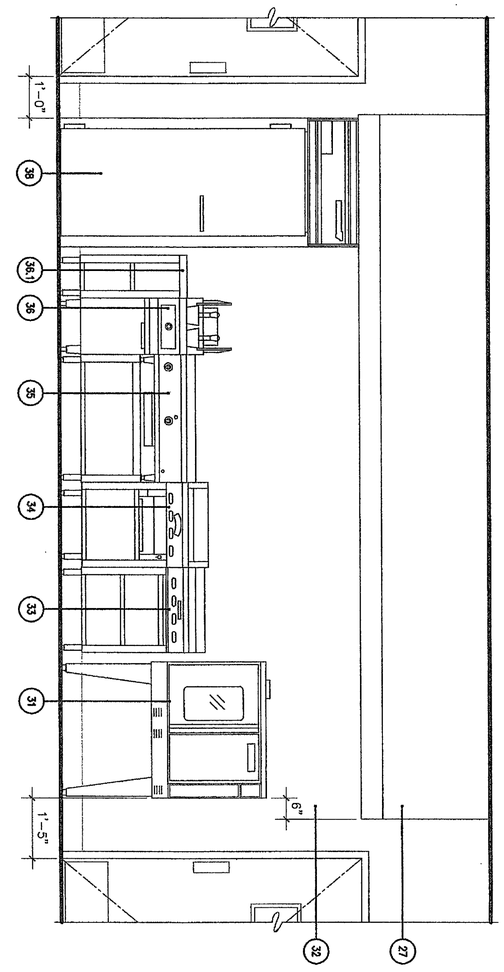
1/2" = 1'-0"

ELEVATION 3

HAND SINK / WORK COUTER

1/2" = 1'-0"

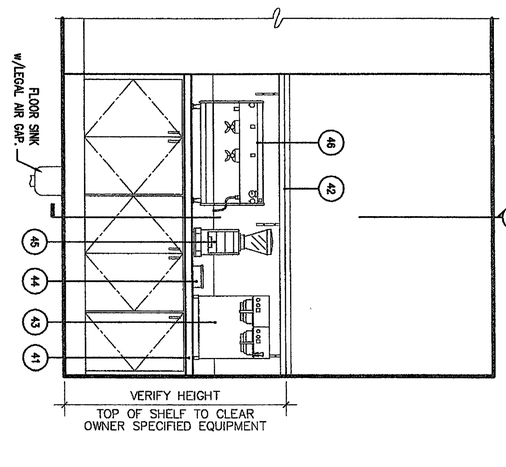
ELEVATION 4



COOKLINE

1/2" = 1'-0"

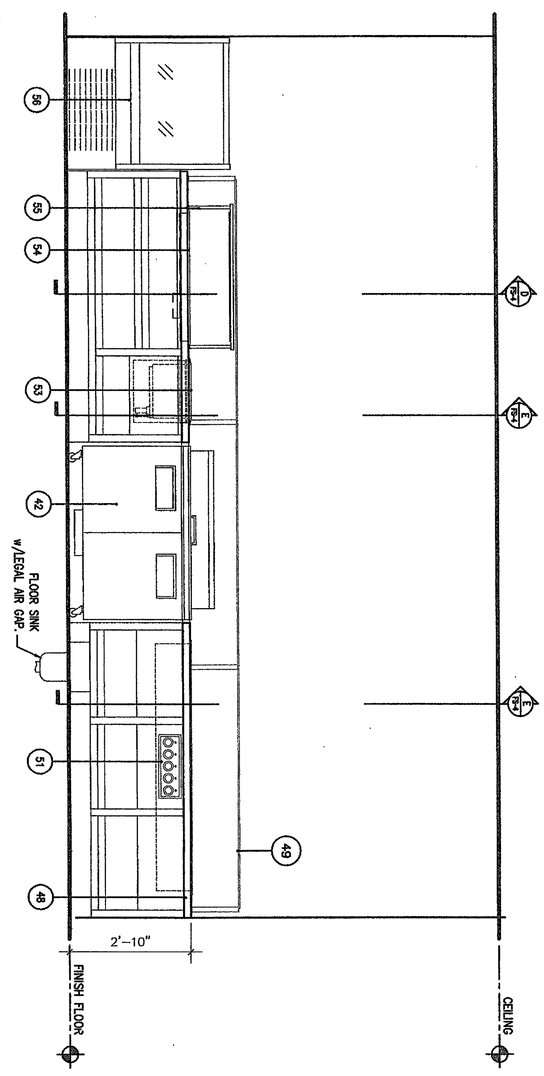
ELEVATION 5



COFFEE COUNTER

1/2" = 1'-0"

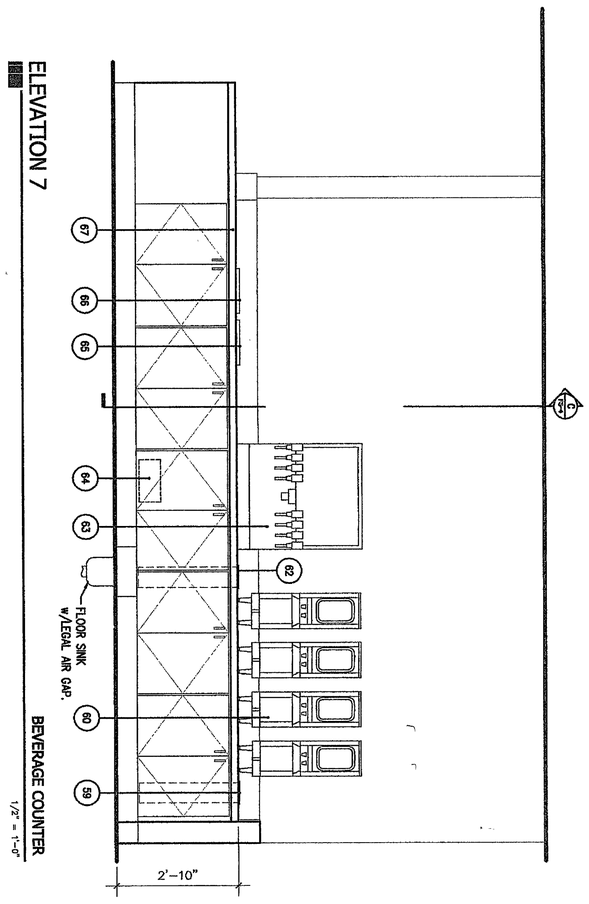
ELEVATION 6



SERVICE COUNTER

1/2" = 1'-0"

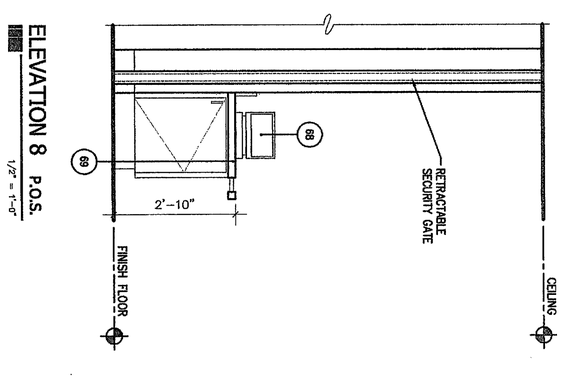
ELEVATION 7



BEVERAGE COUNTER

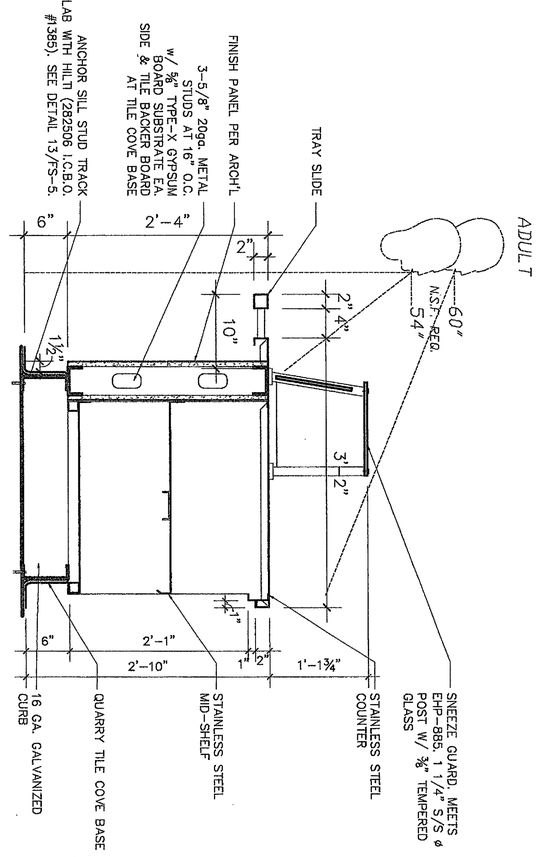
1/2" = 1'-0"

ELEVATION 8 P.O.S.



1" = 1'-0"

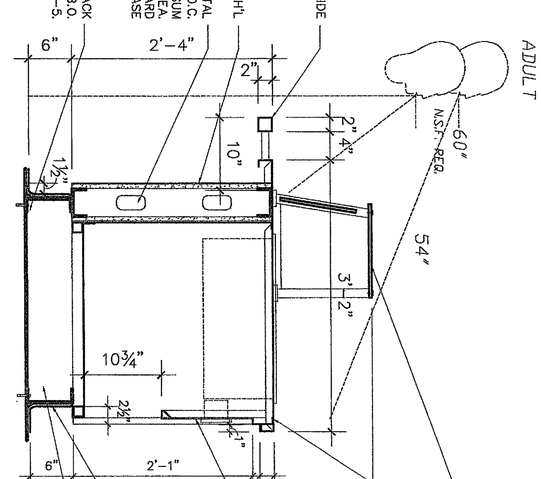
SECTION D



SERVICE COUNTER

1" = 1'-0"

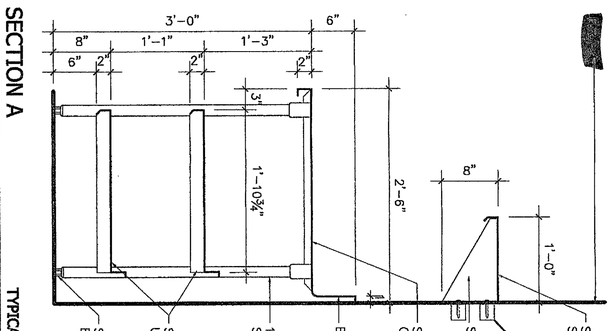
SECTION E



SERVICE COUNTER

1" = 1'-0"

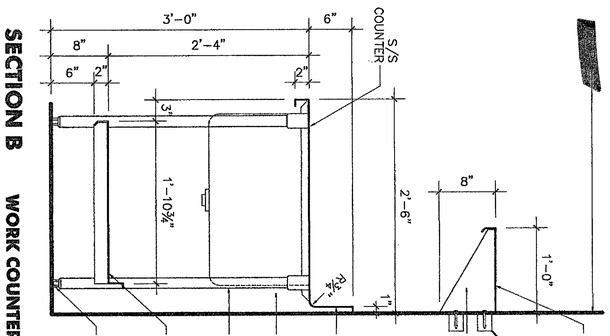
SECTION A



TYPICAL WORK COUNTER

1" = 1'-0"

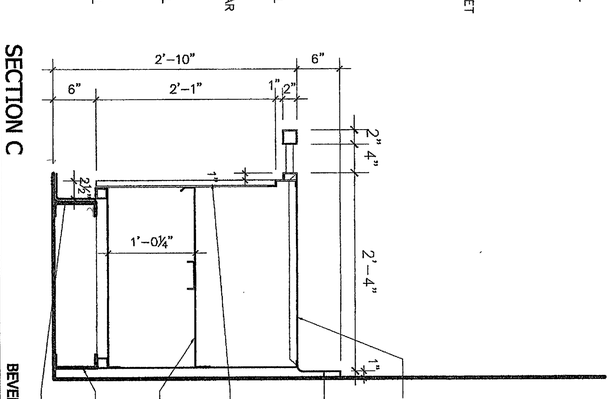
SECTION B



WORK COUNTER w/SINK

1" = 1'-0"

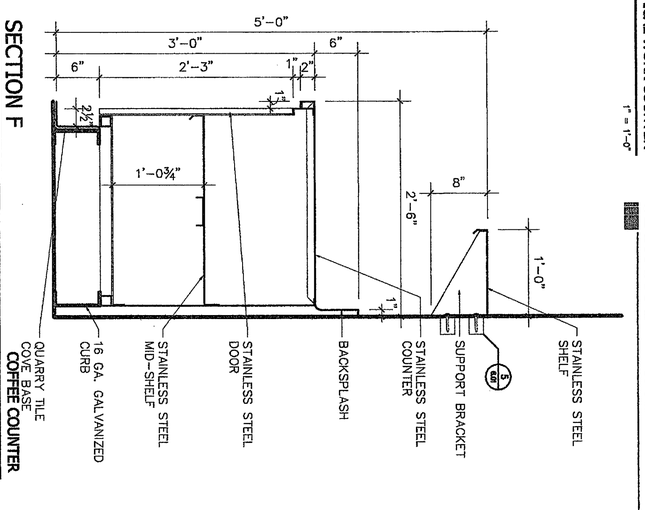
SECTION C



BEVERAGE COUNTER

1" = 1'-0"

SECTION F



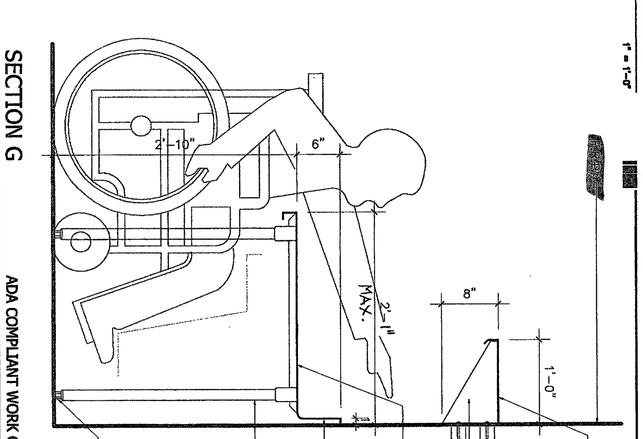
COFFEE COUNTER

1" = 1'-0"

SECTION G

ADA COMPLIANT WORK COUNTER

1" = 1'-0"



RFI # 10 work counter discrepancy

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner: tBP project number: 204640

file name: MIRACOSTA FS.dwg

drawn by: PD checked by:

date: 04/18/06

Rev: date: description:

9.19.06 DSA COMMENTS

drawing title: FOODSERVICE EQUIP. ELEVATIONS & SECTIONS

building no: C

drawing no: FS-4

drawing 52 of 107

agency: IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES # 04-107979 DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

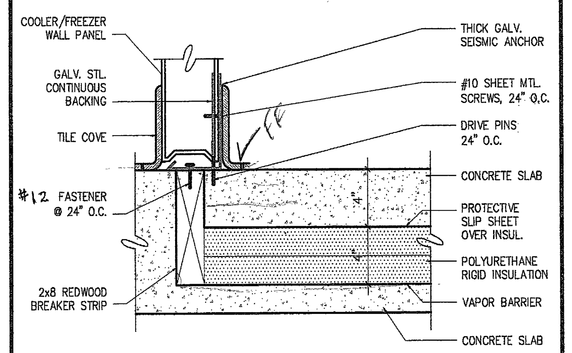
consultant: ORNESS/DESIGN GROUP/INC
5955 MIRA MESA BLVD., SUITE H
SAN DIEGO, CALIFORNIA 92121
TEL 858.457.5955 FAX 858.457.5950
EMAIL INFO@ORNESSDESIGNGROUP.COM
WWW.ORNESSDESIGNGROUP.COM

architect: LICENSED ARCHITECT DAVID W. McHURREN REG. 08228 REN. 8-31-07 STATE OF CALIFORNIA

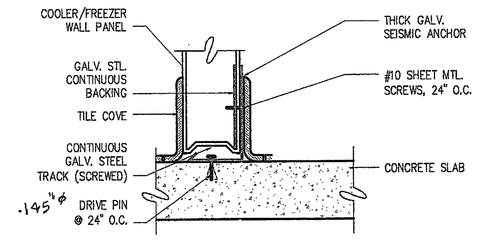
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

tBP
architecture
planning
interiors
management

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

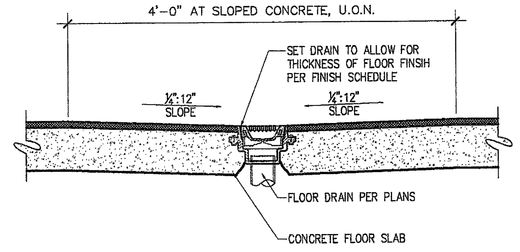


1 FREEZER WALL PANEL TO FLOOR CONNECTION @ INSULATED FLOOR SCALE: NONE

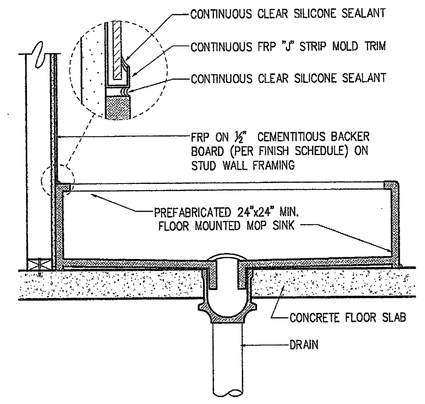


2 COOLER WALL PANEL TO FLOOR CONNECTION SCALE: NONE

NOTE:
PER HEALTH DEPT., ALL FLOOR DRAINS MUST BE FLUSH WITH THE FLOOR FINISH AS SHOWN



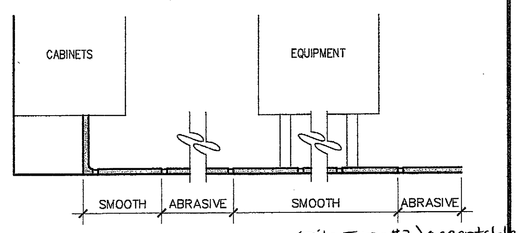
3 FLOOR DRAIN SCALE: NONE



4 MOP SINK SCALE: NONE

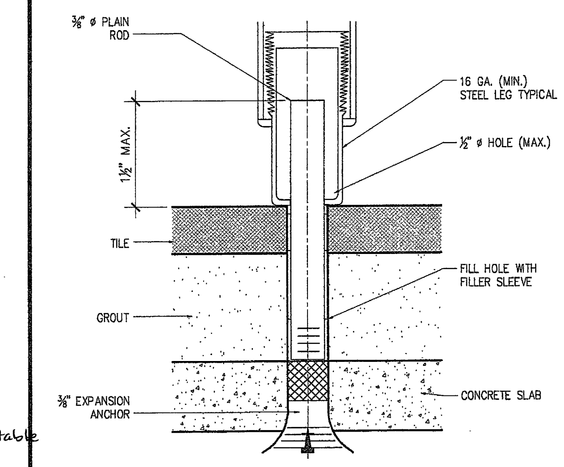
NOTE:

1. PER HEALTH DEPT. REQUIREMENTS, NO ABRASIVE FINISH IS PERMITTED UNDER EQUIPMENT OR IN COOLERS. OPEN WALKWAYS TO HAVE ABRASIVE FINISH.
2. VERIFY EXACT LOCATION OF EQUIPMENT WITH EQUIPMENT CONTRACTOR, IT IS IMPORTANT TO FOLLOW THE INTENT AND PURPOSE OF THIS DETAIL.

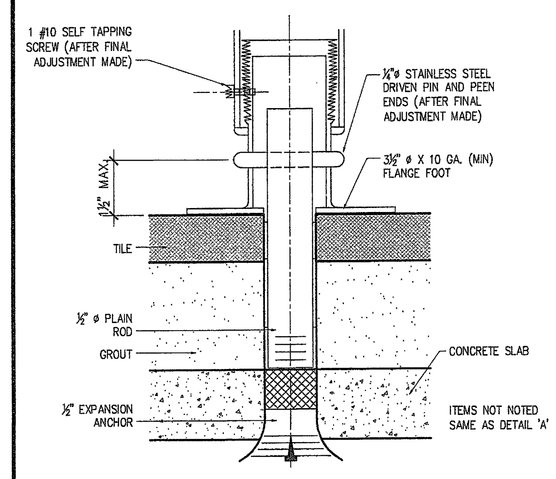


RF1 #109 Smooth quarry tile (Tile Type #2) acceptable

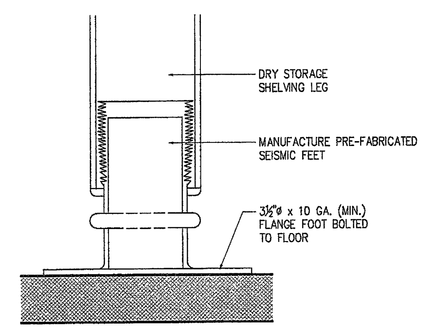
5 FLOOR FINISH LAYOUT SCALE: NONE



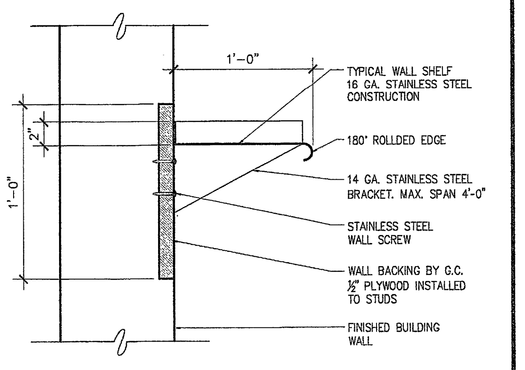
6 SHEAR & UPLIFT ANCHOR AT BULLET FOOT S.M.A.C.N.A. APPROVED DETAIL SCALE: NONE



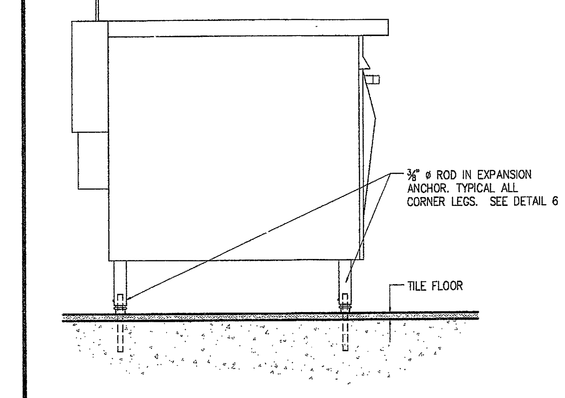
7 SHEAR & UPLIFT ANCHOR AT FLANGED FOOT S.M.A.C.N.A. APPROVED DETAIL SCALE: NONE



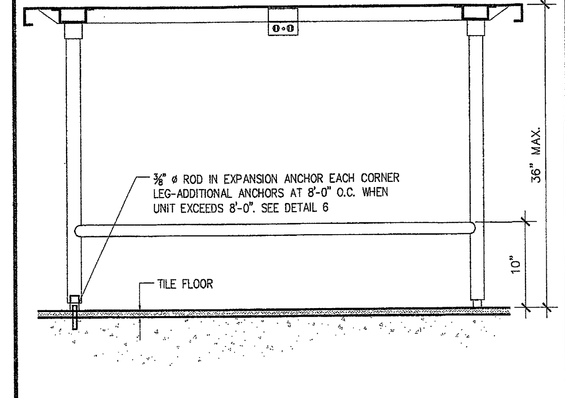
8 SEISMIC RESTRAINT AT FREESTANDING SHELVING S.M.A.C.N.A. APPROVED DETAIL SCALE: NONE



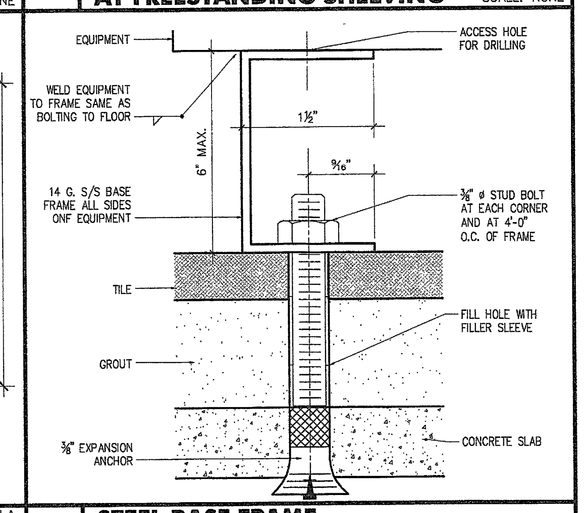
9 SEISMIC RESTRAINT AT WALL SHELVING S.M.A.C.N.A. APPROVED DETAIL SCALE: NONE



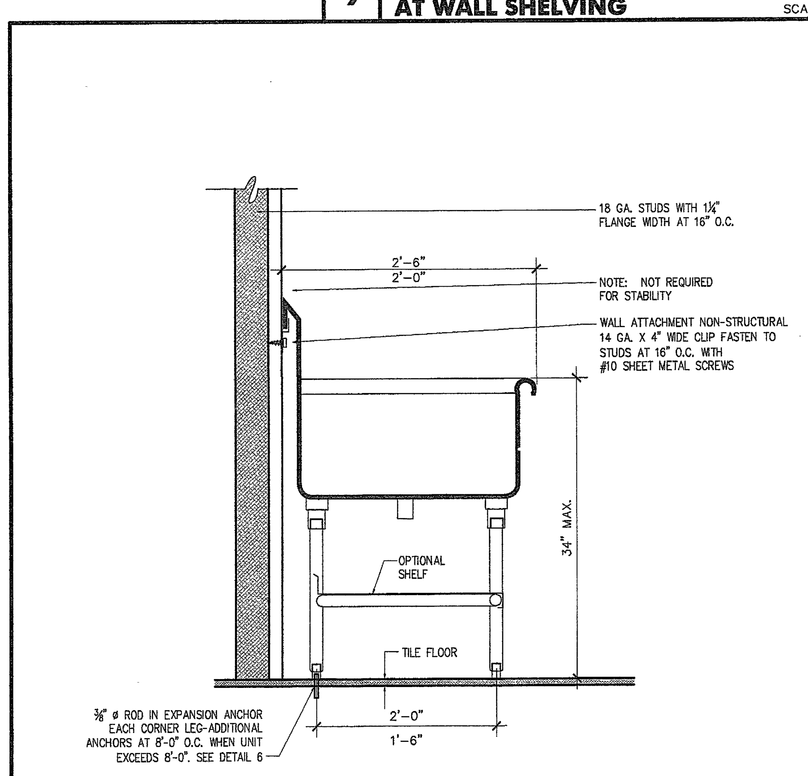
10 SEISMIC RESTRAINT AT RANGE S.M.A.C.N.A. APPROVED DETAIL SCALE: NONE



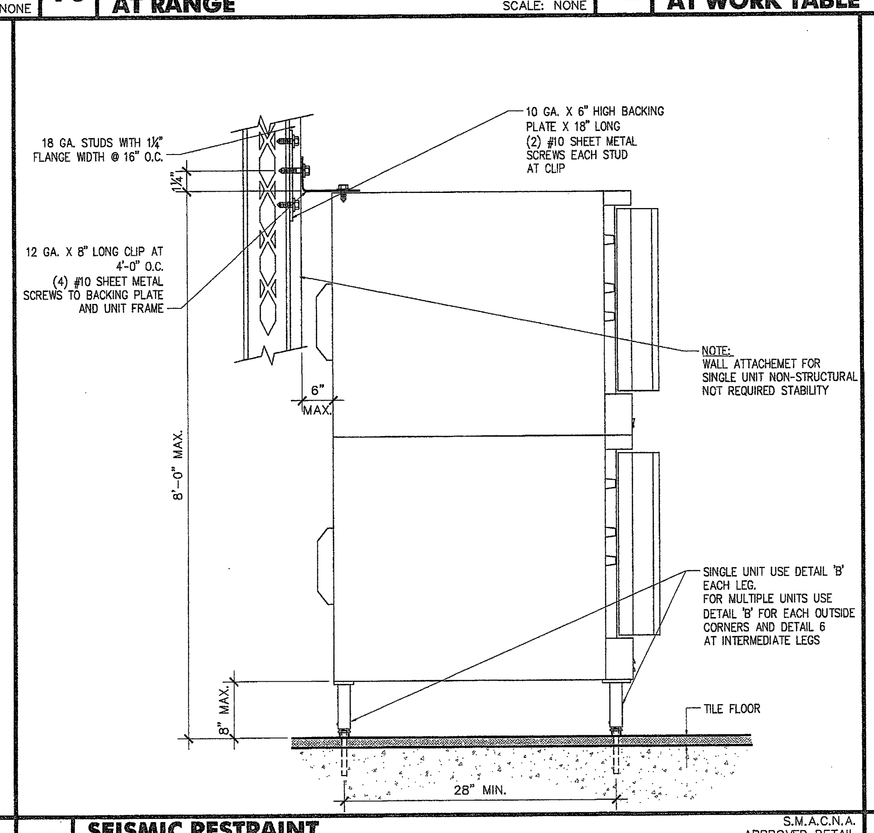
12 SEISMIC RESTRAINT AT WORK TABLE S.M.A.C.N.A. APPROVED DETAIL SCALE: NONE



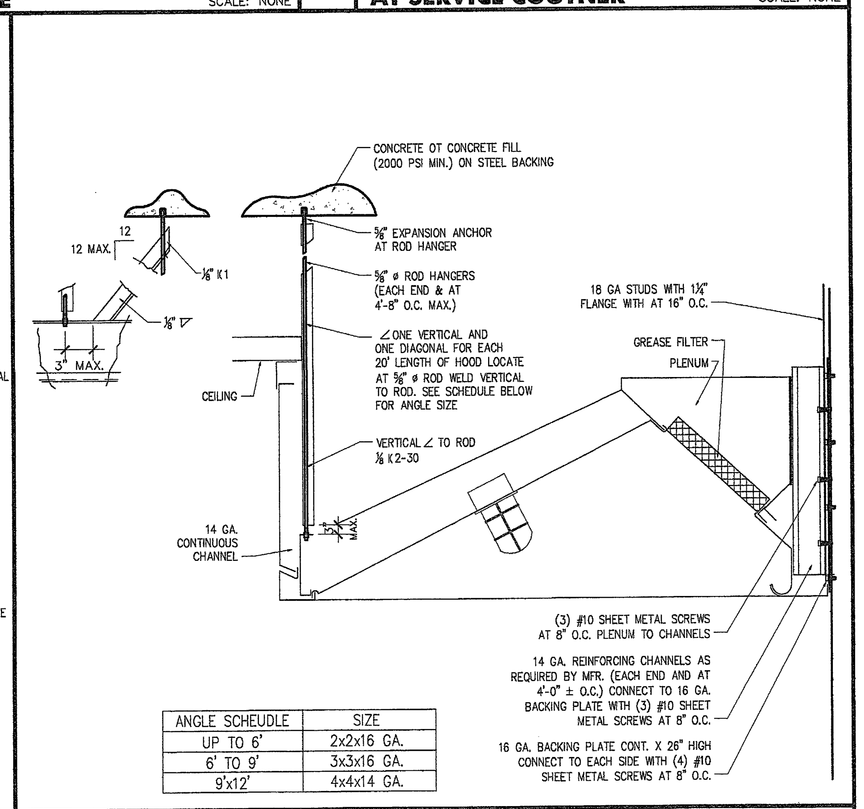
13 STEEL BASE FRAME AT SERVICE COUTNER SCALE: NONE



12 SEISMIC RESTRAINT AT SINK TABLE SCALE: NONE



13 SEISMIC RESTRAINT AT OVEN S.M.A.C.N.A. APPROVED DETAIL SCALE: NONE



ANGLE SCHEUDLE	SIZE
UP TO 6'	2x2x16 GA.
6' TO 9'	3x3x16 GA.
9'x12'	4x4x14 GA.

14 SEISMIC RESTRAINT AT EXHAUST HOOD S.M.A.C.N.A. APPROVED DETAIL SCALE: NONE

tBP
architecture
planning
interiors
management
tBP/architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

ORNESS | DESIGN GROUP | INC
5905 SIERRA MESA BLVD., SUITE H
SAN DIEGO, CALIFORNIA 92121
TEL 858.457.9955 FAX 858.457.3900
EMAIL ORNESSDESIGNGROUP@YAHOO.COM
WWW.ORNESSDESIGNGROUP.COM
consultant

CONSTRUCTION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC dsc 15 dt 18 pc
DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2004.10
file name: MIRACOSTA FS.dwg
drawn by: PD checked by:
date: 09/18/06

Rev	date:	description:
	9.19.06	DSA COMMENTS

drawing title: FOODSERVICE EQUIP. DETAILS
building no: C
drawing no: FS-5
drawing 53 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY

ABBREVIATIONS

A	
ADDL.	ADDITIONAL
ALT.	ALTERNATE
A.C.I.	AMERICAN CONCRETE INSTITUTE
A.I.S.C.	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
A.I.T.C.	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
A.S.T.M.	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ANCH.	ANCHOR
A.B.	ANCHOR BOLT
APPROX.	APPROXIMATELY
ARCH	ARCHITECT
A.W.S.	AMERICAN WELDING SOCIETY
@	AT
&	AND
B	
BM.	BEAM
BRG.	BEARING
BT.	BENT
BLK.	BLOCK
BLKG.	BLOCKING
BOTT.	BOTTOM
B.N.	BOUNDARY NAILS
BLDG.	BUILDING
B.S.	BOTH SIDES
C	
CLG.	CEILING
C.J.	CEILING JOIST OR CONSTRUCTION JOINT
CL.	CENTER LINE
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION
CONSTR.	CONSTRUCTION
CONT.	CONTINUOUS, CONTINUE, CONTINUATION
CONTR.	CONTRACTOR
CTSK.	COUNTERSINK
C.P.	COMPLETE PENETRATION
D	
d/	PENNY
D.L.	DEAD LOAD
DET.	DETAIL
DIAG.	DIAGONAL
DIA.	DIAMETER
DIM.	DIMENSION
DO	DITTO
DBL.	DOUBLE
D.F.	DOUGLAS FIR
DWL.	DOWEL
DN.	DOWN
DWG.	DRAWING
DSA.	DIVISION OF THE STATE ARCHITECT
E	
EA.	EACH
E.F.	EACH FACE
E.S.	EACH SIDE
E.W.	EACH WAY
E.N.	EDGE NAILING
EXT.	EXTERIOR
EXIST.	EXISTING
F	
F.P.	FULL PENETRATION
F.S.	FAR SIDE
F.G.	FINISH GRADE
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
FIN.	FINISH
F.H.W.S.	FLAT HEAD WOOD SCREW
FLR.	FLOOR
FTG.	FOOTING
FDN.	FOUNDATION
FRMG.	FRAMING
G	
GALV.	GALVANIZED
GA.	GAUGE
GLU-LAM	GLUED LAMINATED
GLB	GLUED LAMINATED BEAM
GRD	GRADE
H	
HGR.	HANGER
HT.	HEIGHT
I	
INV.	INVERTED
I.C.B.O.	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
J	
JST.	JOIST
L	
LAM.	LAMINATED
LT. WT.	LIGHT WEIGHT
L.L.	LIVE LOAD
L.L.V.	LONG LEG VERTICAL
LG.	LONG OR LENGTH
L.H.	LOW HYDROGEN
M	
MFR.	MANUFACTURER
MAS.	MASONRY
M.B.	MACHINE BOLT
N	
N.	NET
N.S.	NEAR SIDE
N.D.S.	NATIONAL DESIGN SPECIFICATION
NAT.	NATURAL
N.I.C.	NOT IN CONTRACT
NLR.	NAILER
N.T.S.	NOT TO SCALE
NO.	NUMBER
O	
OPNG.	OPENING
OPP.	OPPOSITE
O.D.	OUTSIDE DIAMETER
O.H.	OPPOSITE HAND
P-R	
PLY.	PLYWOOD
P.C.F.	POUNDS PER CUBIC FOOT
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
REINF.	REINFORCING
REQ'D.	REQUIRED
RF.	ROOF
R.D.	ROOF DRAIN
RO.	ROUGH
R.O.	ROUGH OPENING
S	
SEC.	SECTION
SEL.	SELECT
SEP.	SEPARATION
SCHED.	SCHEDULE
SHTG.	SHEATHING
SHT.	SHEET
S.M.	SHEET METAL
SIM.	SIMILAR
SPCG.	SPACING
SPECS.	SPECIFICATIONS
SQ.	SQUARE
S.S.	SELECT STRUCTURAL
STAGG.	STAGGERED
STD.	STANDARD
STL.	STEEL
S.J.	STEEL JOIST
STFF.	STIFFENER
STRR.	STIRRUP
STRUCT.	STRUCTURAL
SYM.	SYMMETRICAL
S.B.	STUD BOLT
S.O.G.	SLAB ON GRADE
T	
T.S.G.	TAPERED STEEL GIRDER
TEMP.	TEMPERATURE
THK.	THICK
THRU	THROUGH
T & G	TONGUE & GROOVE
T & B	TOP AND BOTTOM
T.L.	TOTAL LOAD
T.O.S.	TOP OF STEEL
TYP.	TYPICAL
T.S.	TUBE STEEL
U-V	
U.B.C.	UNIFORM BUILDING CODE
U.N.O.	UNLESS OTHERWISE NOTED
UNP.	UNPUNCHED
VERT.	VERTICAL
W-X-Y-Z	
W.P.	WATERPROOF
WT.	WEIGHT
W.W.F.	WELDED WIRE FABRIC
W/	WITH
WD.	WOOD
W.P.	WORKING POINT
W.S.B.	WELDED STUD BOLT
W.S.D.	WORKING STRESS DESIGN

SPECIAL NOTE:

1. EXCEPT AS NOTED,
   WORK NOT PARTICULARLY SHOWN OR SPECIFIED SHALL BE SAME AS SIMILAR PARTS THAT ARE SHOWN OR SPECIFIED, OR AS DIRECTED. WHERE ON ANY DRAWINGS A PORTION OF THE WORK IS DRAWN OUT AND REMAINDER IS INDICATED IN OUTLINE, THE DRAWN OUT PARTS SHALL APPLY ALSO TO ALL OTHER LIKE PORTIONS OF THE WORK.
2. UNLESS THE CONDITION IS SPECIFICALLY DETAILED, NOTES AND DETAILS OF SHEETS S1-1 THROUGH S1-6 AND DETAILS LABELED "TYPICAL" ON OTHER SHEETS ARE TO BE USED FOR THE INDICATED WORK WHERE THEY APPLY WHETHER OR NOT THEY ARE REFERENCED.
3. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHALL BE FIELD VERIFIED.
4. DEMOLITION INVOLVED IN PREPARATION FOR NEW CONSTRUCTION SHALL NOT DESTROY THE STRUCTURAL INTEGRITY OF THE REMAINING STRUCTURE. THE CONTRACTOR SHALL PROVIDE SHORING AND BRACING, INCLUDING THEIR DESIGN, TO TEMPORARILY REPLACE EXISTING SUPPORT FOR GRAVITY AND LATERAL LOADS.
5. EXISTING ELEMENTS SHOWN AND/OR NOTED ON FOUNDATION PLANS, FRAMING PLANS, ELEVATIONS, SECTIONS, AND DETAILS ARE NOT INTENDED TO BE THE COMPLETE INFORMATION OF THE EXISTING BUILDING. INFORMATION SHOWN AND/OR NOTED IS ONLY FOR PURPOSES OF INDICATING THE TYPE OF FRAMING IN THE AREA WHERE IT IS NOTED. INFORMATION GIVEN IS BASED ON EXISTING BUILDING DRAWINGS AND IS ASSUMED TO BE RELIABLE. IT MAY OR MAY NOT REFLECT AS-BUILT CONDITIONS.
6. ALL EXISTING FRAMING, DIMENSIONS, DETAILS, ETC. WHICH ARE AFFECTED BY NEW CONSTRUCTION SHALL BE VERIFIED AT THE SITE. CONDITIONS FOUND TO DIFFER FROM THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, STRUCTURAL ENGINEER AND DSA. THE CONTRACTOR SHALL ON REQUEST, FURNISH ALL NECESSARY FACILITIES, LABOR AND MATERIALS TO ASSIST THE ARCHITECT AND STRUCTURAL ENGINEER TO DETERMINE THE AS-BUILT CONDITION. WHERE THE AS-BUILT CONDITION REQUIRES A CHANGE TO THE APPROVED PLANS, A CHANGE ORDER WILL BE ISSUED.

SPECIAL INSPECTION

1. SPECIAL INSPECTION BY A DSA APPROVED BUILDING INSPECTOR, IN THE APPLICABLE AREA APPROVED BY THE ARCHITECT AND DIVISION OF THE STATE ARCHITECT, SHALL BE REQUIRED FOR THE FOLLOWING TYPES OF WORK. SEE PROJECT SPECIFICATION FOR SPECIFIC REQUIREMENTS.

   CONCRETE: BY THE PROJECT INSPECTOR.
   f'c - DESIGN GREATER THAN 2000 PSI.
   PLACEMENT OF REINFORCING STEEL.

   COMPACTED FILL:
   BY THE SOILS ENGINEER

   WELDING:
   STRUCTURAL STEEL AND REINFORCING.
   ALL WELDS TO BE CONTINUOUSLY INSPECTED BY A D.S.A. APPROVED AWS QCI CERTIFIED WELDING INSPECTOR - NO EXCEPTION

   EXPANSION TYPE ANCHOR BOLTS
   EPOXY TYPE ANCHORS

USE OF POWER-DRIVEN FASTENERS IN REINFORCED CONCRETE

1. FASTENERS SHALL HAVE I.C.B.O. APPROVAL FOR THE TYPE OF CONCRETE USED ON THE JOB.
2. THE OPERATOR, TOOL AND FASTENERS SHALL BE PREQUALIFIED BY THE PROJECT INSPECTOR. HE SHALL OBSERVE THE TESTING OF THE FIRST TEN FASTENER INSTALLATIONS. A TEST "PULLOUT" LOAD OF NOT LESS THAN TWICE THE DESIGN OR 200 LBS., WHICHEVER IS GREATER, SHALL BE APPLIED TO THE PIN IN SUCH A MANNER AS NOT TO RESIST THE SPALLING TENDENCY OF THE CONCRETE SURROUNDING THE PIN. THEREAFTER, RANDOM TESTS UNDER THE PROJECT INSPECTOR'S SUPERVISION SHALL BE MADE OF APPROXIMATELY ONE IN TEN PINS. SHOULD FAILURE OCCUR ON ANY PIN TESTED, ALL INSTALLATIONS MUST BE TESTED AND UNFAIR PINS REPLACED.
3. WHEN INSTALLING POWER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGE TO THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED IN ANCHOR AND/OR PIN.
4. ALLOWABLE TENSION LOADS SHALL BE LIMITED TO LESS THAN 100 POUNDS.

GENERAL

1. THE PROJECT SPECIFICATIONS FORM A PART OF THESE NOTES.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
3. NOT USED
4. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NOTES AND DETAILS ON DRAWINGS AND THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE PROJECT SPECIFICATIONS, THE MORE STRINGENT SHALL APPLY.
5. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES: THE 2001 CALIFORNIA BUILDING CODE, TITLE 24, PART 2 (INCLUDING ANY SUPPLEMENT); AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
6. MANUFACTURED PRODUCTS SHALL BE APPROVED BY DSA PRIOR TO THEIR USE. ALL REQUIREMENTS OF THOSE APPROVALS SHALL BE FOLLOWED.
7. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
   A. SIZE AND LOCATION OF ALL CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC.
   B. SIZE AND LOCATION OF FLOOR AND ROOF OPENINGS.
   C. DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
8. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
   A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.
   B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES.
   C. SIZE AND LOCATION OF PREMANUFACTURED MACHINE OR EQUIPMENT BASES, DUCTS, PIPES AND CONDUITS.
   D. ANCHORAGE AND BRACING FOR ELECTRICAL, MECHANICAL OR PLUMBING EQUIPMENT, INCLUDING DUCTS, PIPES AND CONDUITS.
   E. ANCHOR BOLTS FOR MOTOR MOUNTS.
9. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
10. OPENINGS, POCKETS, CONDUITS, CHASES, TRENCHES, ETC. SHALL NOT BE PLACED IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.
11. SPECIFICATIONS, CODES AND STANDARDS NOTED IN THE CONTRACT DOCUMENTS SHALL BE OF THE LATEST EDITION UNLESS NOTED OTHERWISE (U.N.O.).
12. THE CONTRACTOR SHALL INVESTIGATE SITE FOR FILLED EXCAVATIONS OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, ARCHITECT SHALL BE NOTIFIED IMMEDIATELY.
13. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON THE FRAMED FLOORS OR ROOFS. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH OR WHERE OVERLOAD IS ANTICIPATED.
14. THE LATERAL SYSTEM OF THE STRUCTURE IS DESIGNED WITH THE LATERAL RESTRAINT AT THE GROUND FLOOR. STRUCTURAL FRAMES ARE NOT LATERALLY SELF SUPPORTING UNTIL THE ENTIRE FLOOR AND STRUCTURAL WALLS BELOW ARE COMPLETELY INSTALLED.
15. DESIGN LIVE LOADS:

AREA	DESIGN LIVE LOADS	REMARKS
ROOF: SLOPE ≥4/12	16 PSF	REDUCIBLE
ROOF: SLOPE <4/12	20 PSF	REDUCIBLE
DINING DECK	100 PSF	REDUCIBLE

16. EARTHQUAKE DESIGN FORCES:

$$V = \frac{2.5 C_a I}{R} W$$

V = DESIGN BASE SHEAR
I = 1.15
R = 5.5
W = TOTAL SEISMIC DEAD LOAD

SOIL PROFILE TYPE	S_D
SEISMIC SOURCE TYPE	B
SEISMIC ZONE FACTOR	0.4
SEISMIC COEFFICIENT Ca	0.44 x Na = 0.44
SEISMIC COEFFICIENT Cv	0.64 x Nv = 0.77
NEAR SOURCE FACTOR Na	1.0
NEAR SOURCE FACTOR Nv	1.2

17. WIND FORCES: EXPOSURE C
    p = Ce Cq qs I

p = WIND FORCE			
Ce =	⟶	1.06	0' - 15'
Cq = 1.3		1.13	15' - 20'
qs = 12.6 PSF		1.19	20' - 25'
I = 1.15		1.23	25' - 30'
		1.31	30' - 40'

FOUNDATION

1. FOUNDATION DESIGN IS BASED ON A PRELIMINARY GEOTECHNICAL INVESTIGATION BY VINJE & MIDDLETON ENGINEERING, INC. JOB No. 04-511-P, DATED FEB. 11, 2005
2. FOOTING DESIGN BASED ON ALLOWABLE SOIL BEARING PRESSURE AS FOLLOWS:
   TYPICAL BUILDING FOUNDATION:
   1'-6" MIN. BELOW LOWEST ADJACENT GROUND SURFACE, NOT INCLUDING THE PROTECTION COURSE LAYER BENEATH THE FLOOR SLAB, ALLOWABLE SOIL BEARING = 2000 PSF.
   SOIL TYPE: FINE SANDY TO SILTY FINE TO MEDIUM SANDY SOIL. (95% COMPACTED FILL) REFER TO DETAIL "1/S1-2".
3. CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE.
4. CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY RETAIN THE EARTH BANKS AND/OR EXISTING STRUCTURES.
5. FOUNDATION EXCAVATION CAN ONLY BEGIN AFTER SETTLEMENT MONITORING AND APPROVAL BY THE PROJECT GEOTECHNICAL CONSULTANT. EXCAVATIONS FOR FOOTINGS SHALL BE APPROVED BY THE SOILS ENGINEER PRIOR TO PLACING THE CONCRETE AND REINFORCING. CONTRACTOR SHALL NOTIFY SOILS ENGINEER WHEN INSPECTION OF EXCAVATION IS READY. SOILS ENGINEER SHALL SUBMIT LETTER OF COMPLIANCE TO THE OWNER.
6. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE HAS ATTAINED FULL DESIGN STRENGTH EXCEPT AS NOTED. CONTRACTOR SHALL BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL DESIGN STRENGTH. CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS AND INSTALLATION OF SUCH BRACING.
7. FOOTINGS SHALL BE PLACED AND ESTIMATED ACCORDING TO DEPTHS SHOWN ON DRAWINGS. SHOULD SOIL ENCOUNTERED AT THESE DEPTHS NOT BE APPROVED BY SOILS ENGINEER, FOOTING ELEVATIONS WILL BE ALTERED BY CHANGE ORDER.
8. FOOTING BACKFILL AND UTILITY TRENCH BACKFILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS, TO THE APPROVAL OF THE SOILS ENGINEER. FLOODING WILL NOT BE PERMITTED.
9. ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT INTERFERE WITH NEW CONSTRUCTION, SHALL BE REMOVED. ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT ARE BELOW NEW FOOTINGS AND WITHIN A 45 DEGREE SLOPE FROM BOTTOM OF NEW FOOTING, SHALL BE REMOVED AND ALL BACKFILL COMPACTED TO 95% OF THE LABORATORY MAXIMUM DRY DENSITY PER ASTM D.1557.
10. ALL EARTHWORK SHALL BE DONE IN ACCORDANCE WITH SOILS REPORT RECOMMENDATIONS.
11. COMPACTED FILL SHALL BE OF MATERIAL WITH AN EXPANSION INDEX (EI) <20 PER CBC 1803A.2 AND TABLE 18A-1-B.

CONCRETE

1. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 19A.
2. CONCRETE MIXES CONFORMING TO A.S.T.M. C-94 SHALL BE DESIGNED BY A TESTING LABORATORY ACCEPTABLE TO DSA, AND REVIEWED BY THE STRUCTURAL ENGINEER. MIX DESIGNS MUST COMPLY WITH TITLE 24, PART 2, CHAPTER 19A, 1905A.2.3, METHOD B OR C.
3. SCHEDULE OF STRUCTURAL CONCRETE 28 DAY STRENGTHS AND TYPES:

LOCATION IN STRUCTURE	STRENGTH	TYPE	MAX. SLUMP	WATER/CEMENT
ALL CONCRETE, U.N.O.	3000 PSI	150 PCF	4" TO 5"	0.60 MAX.
SLAB ON GRADE	4500 PSI	150 PCF	3" TO 4"	0.45 MAX.
				0.60 MAX.

   DESIGN OF SLAB ON GRADE CONCRETE IS BASED ON f'c = 2500 PSI. THEREFORE, BATCH PLANT INSPECTION OF CONCRETE, TEST OF CEMENT AND PLACEMENT INSPECTION OF CONCRETE (FOR SLAB ON GRADE ONLY) MAY BE WAIVED.

4. PORTLAND CEMENT SHALL CONFORM TO A.S.T.M. C-150, TYPE II.
5. AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF A.S.T.M. C-33 AND PROJECT SPECIFICATIONS. MAXIMUM AGGREGATE SIZE SHALL BE 1 1/2".
6. NOT USED
7. PLACEMENT OF CONCRETE SHALL CONFORM TO A.C.I. STANDARD 304, TITLE 24, PART 2, SECTION 1905A AND CONTRACT DOCUMENTS. SANDBLAST ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED.
8. THE CONCRETE SLAB THICKNESS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN.
9. DRYPACK UNDER BASEPLATES, SILL PLATES AND WHERE OTHERWISE NOTED ON DRAWINGS SHALL BE CONSIST OF 1 PART PORTLAND CEMENT AND 2 1/2 PARTS OF FINE AGGREGATE CONFORMING TO A.S.T.M. C-33 WITH ENOUGH WATER TO FORM A BALL WHEN SQUEEZED IN THE HAND. THE SPACE BETWEEN TWO SURFACES REQUIRING DRYPACK SHALL BE PACKED WITH THE DRYPACK MATERIAL BY TAMPING OR RAMMING WITH A BAR OR ROD UNTIL THE VOIDS ARE COMPLETELY FILLED.
10. CONCRETE MIXING OPERATION, ETC., SHALL CONFORM TO ASTM C-94.
11. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT PLACED IN CAST-IN-PLACE CONCRETE:
    A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.....3"
    B. CONCRETE EXPOSED TO EARTH OR WEATHER:
       #6 THROUGH #18 BARS.....2"
       #5 BAR, W31 OR D31 WIRE, AND SMALLER.....1 1/2"
    C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
       SLABS AND JOISTS:
       #14 AND #18 BARS.....1 1/2"
       #11 BAR AND SMALLER.....1"
       BEAMS, COLUMNS AND WALLS
       PRIMARY REINFORCEMENT, TIES, AND STIRRUPS, AND SPIRALS:
       #3 THROUGH #11.....1 1/2"
       #14 AND #18 BARS.....2 1/2"
12. CONCRETE SHALL NOT BE PLACED UNTIL THE FORMS AND REINFORCEMENT HAVE BEEN INSPECTED, ALL PREPARATIONS FOR THE PLACEMENT HAVE BEEN COMPLETED AND THE PREPARATIONS HAVE BEEN CHECKED BY THE PROJECT INSPECTOR, ALL SUBJECT TO THE OBSERVATION OF THE ARCHITECT OR THE STRUCTURAL ENGINEER.
13. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.
14. NOT USED
15. NOT USED
16. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
17. PROJECTING CORNERS OF BEAMS, WALLS, COLUMNS, ETC., SHALL BE FORMED WITH A 3/4 INCH CHAMFER, UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.
18. CURING COMPOUNDS USED ON CONCRETE TO RECEIVE A FINISH SHALL BE APPROVED BY THE FINISH APPLICATOR BEFORE USE.
19. REFER TO ARCHITECTURAL DRAWINGS FOR MOULDS, GROOVES, ORNAMENTS, CLIPS, OR GROUNDS REQUIRED TO BE CAST IN CONCRETE.
20. ALL CONSTRUCTION JOINTS PER TYPICAL DETAILS SHALL BE LOCATED BY THE GENERAL CONTRACTOR WITH REVIEW AND APPROVAL OF THE ARCHITECT AND THE STRUCTURAL ENGINEER.
21. THE SURFACES OF ALL HORIZONTAL CONSTRUCTION JOINTS SHALL BE ROUGHENED AND CLEANED BY REMOVING THE ENTIRE SURFACE AND EXPOSING CLEAN AGGREGATE SOLIDLY EMBEDDED IN MORTAR MATRIX. ROUGHNESS SHALL BE APPROXIMATELY 1/4 INCH AMPLITUDE.

REINFORCING STEEL FOR CONCRETE

1. ALL REINFORCING STEEL SHALL BE PLACED IN CONFORMANCE WITH CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2, CHAPTER 19A, SECTION 1907A AND "BUILDING CODE REQUIREMENT FOR REINFORCED CONCRETE (ACI 318-89) AND THE "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION", LATEST APPROVED EDITION, BY THE C.R.S.I. AND THE W.C.R.S.I., AS MODIFIED BY THE PROJECT DRAWINGS AND SPECIFICATIONS.
2. REINFORCING BARS SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 19A, SECTION 1903A.5 AND REQUIREMENTS OF A.S.T.M. A-615 GRADE 60, EXCEPT #3 AND #4 BARS MAY BE GRADE 40 (EXCEPT WHERE NOTED OTHERWISE). ASTM A-706 GRADE 60 FOR BARS REQUIRING WELDS.
3. WELDING OF REINFORCEMENT SHALL BE WITH LOW HYDROGEN ELECTRODES IN CONFORMANCE WITH "STRUCTURAL WELDING CODE-REINFORCING STEEL", AMERICAN WELDING SOCIETY, AWS D1.4, AND TITLE 24, PART 2, 1903A.10 INSPECTION REQUIRED PER TITLE 24, SECTION 1929A.12.
4. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
5. WELDED WIRE FABRIC SHALL CONFORM TO A.S.T.M. A-185.
6. DOWELS BETWEEN FOOTINGS AND WALL OR COLUMNS SHALL BE THE SAME GRADE, SIZE, SPACING AND NUMBER AS THE VERTICAL REINFORCEMENT, RESPECTIVELY, UNLESS NOTED OTHERWISE.
7. REINFORCING SPLICES SHALL BE MADE AS INDICATED ON THE DRAWINGS.

STRUCTURAL STEEL AND MISCELLANEOUS METAL

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2, CHAPTER 22A; THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION STRUCTURAL STEEL FOR BUILDINGS (LATEST EDITION AND SUPPLEMENTS).
2. ALL STRUCTURAL STEEL FOR "W" AND "WT" SECTIONS SHALL CONFORM TO A.S.T.M. DESIGNATION A992 GRADE 50 AND A.S.T.M. A36 FOR OTHER SHAPES, UNLESS OTHERWISE NOTED.
3. STEEL PIPES SHALL CONFORM TO A.S.T.M. DESIGNATION A-53, TYPE E OR S, GRADE B. STEEL TUBES SHALL CONFORM TO A.S.T.M. A-500, GRADE B.
4. U.N.O., ALL BOLTS SHALL CONFORM TO A.S.T.M. A-307 GRADE A, ANCHOR BOLTS SHALL CONFORM TO A.S.T.M. F-1554 GRADE 36.
5. BOLT HOLES IN STEEL SHALL BE 1/16 INCH LARGER DIAMETER THAN NOMINAL SIZE OF BOLT USED, UNLESS NOTED OTHERWISE. COLUMN BASE PLATE HOLES FOR ANCHOR BOLTS MAY BE 1/8 INCH OVERSIZED.
6. ALL WELDS SHALL BE PREQUALIFIED IN CONFORMITY WITH TITLE 24, PART 2, SECTION 2205A.10, AND THE STRUCTURAL WELDING CODE-STEEL (AWS D1.1-86) OF THE AMERICAN WELDING SOCIETY. WELDS SIZE SHALL BE AS SHOWN ON THE DRAWINGS UNLESS A GREATER SIZE IS REQUIRED BY AWS D1.1-86 TABLE 2.7 AND TABLE 1.10.3. E70XX ELECTRODE CLASSIFICATION. MINIMUM TENSILE STRENGTH OF WELD METAL SHALL BE 70 KSI TYPICAL UNLESS NOTED OTHERWISE.
7. WELDING OF SHEET/STRIP STEELS, INCLUDING COLD FORMED MEMBERS SHALL BE IN ACCORDANCE WITH AWS D1.3.
8. WELD LENGTHS CALLED FOR ON THE PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED FOR THE SIZE SHALL BE AISC MINIMUM UNLESS A LARGER SIZE IS NOTED.
9. ALL WELDING SHALL BE CONTINUOUSLY INSPECTED BY D.S.A. APPROVED INSPECTOR IN CONFORMANCE WITH TITLE 24, PART 2, SECTION 2231A.5.
10. WELD SYMBOLS SHOWN ON THESE DRAWINGS DO NOT NECESSARILY DIFFERENTIATE BETWEEN SHOP WELDS AND FIELD WELDS. USE FIELD WELDS WHEN FIELD WELDS ARE NECESSARY DUE TO CONSTRUCTION PROCEDURE OR SEQUENCE. ALL WELDS SHOWN AS FIELD WELDS SHALL BE DONE IN FIELD AS INDICATED.
11. ALL STRUCTURAL STEEL SURFACES TO BE WELDED, TO BE ENCASED IN CONCRETE, OR TO RECEIVE SPRAY-APPLIED FIREPROOFING SHALL BE LEFT UNPAINTED. SEE PROJECT SPECIFICATIONS FOR PAINT REQUIREMENTS.
12. CAMBER:
    A. PROVIDE UPWARD CAMBER TO ALL MEMBERS SHOWN TO HAVE CAMBER. AMOUNT MEASURED IN THE FIELD PRIOR TO ERECTION SHALL NOT DEVIATE BY MORE THAN ALLOWED BY THE AISC SPECIFICATIONS.
    B. BEAMS DETAILED WITHOUT SPECIFIED CAMBER SHALL BE FABRICATED SO THAT AFTER ERECTION ANY MINOR CAMBER DUE TO ROLLING OR SHOP ASSEMBLY SHALL BE UPWARD. TOP OF ALL MEMBERS SHALL BE CLEARLY IDENTIFIED.
13. NOT USED
14. FOR FIREPROOFING AND FIREPROOFING REQUIREMENTS SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
15. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STEEL FOR ARCHITECT'S REVIEW BEFORE FABRICATION.

GLUED LAMINATED WOOD

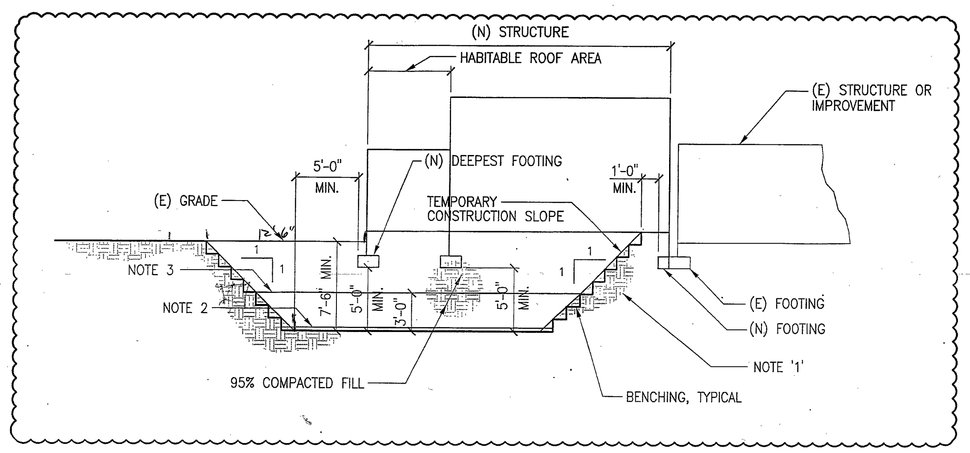
1. TYPICAL GLUED LAMINATED WOOD BEAMS NOT EXPOSED TO THE ELEMENTS SHALL BE DOUGLAS FIR STRESS CLASS 24F-1.8E, IN ACCORDANCE WITH NDS 2001 AND ANSI/ATIC A190.1. USE EXTERIOR TYPE ADHESIVES.
3. BEAMS SHALL BE ARCHITECTURAL APPEARANCE GRADE WHERE EXPOSED, INDUSTRIAL GRADE ELSEWHERE.
4. ALL LAMINATIONS FOR GLUED LAMINATED BEAMS SHALL BE 2" NOMINAL THICKNESS AND OF THE WIDTH SHOWN OR NOTED. ALL LAMINATIONS SHALL BE PARALLEL TO THE BOTTOM EDGE OF THE BEAM, U.N.O.
5. PROVIDE CAMBER AS NOTED ON PLAN. WHERE NO CAMBER IS SPECIFIED PROVIDE NO CAMBER.
6. ALL GLUED LAMINATED TIMBER SHALL BE CONTINUOUSLY INSPECTED DURING FABRICATION BY AN INSPECTOR SPECIFICALLY APPROVED BY D.S.A. PER CBC 2001, SECTION 2337A. AN AITC CERTIFICATE WILL NOT MEET THIS REQUIREMENT.
7. NOTCHING OR BORING OF "GLU-LAM" BEAMS SHALL BE ALLOWED ONLY WHERE SPECIFICALLY DETAILED.
8. TOP OF ALL STEEL CONNECTIONS, 12 GAGE AND THICKER ON TOP OF GLU-LAM TIMBER AND STUD WALL PLATES TO BE FLUSH WITH THE TOP OF GLU-LAM BEAM AND/OR TOP OF PLATES, DAP MEMBER AS REQUIRED BY THICKNESS OF THE STEEL PLATE.
9. THE GLUED LAMINATED WOOD FABRICATOR SHALL FURNISH SHOP DRAWINGS FOR ARCHITECT'S REVIEW AND APPROVAL PRIOR TO FABRICATION.

WOOD

1. FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH OF THE FOLLOWING SIZES & GRADES UNLESS NOTED OTHERWISE: REFER TO FRAMING PLAN FOR SELECT STRUCTURAL (S.S.)

2 x TO 4 x VERT. & HORIZ. FRMG.	No.1 AND BETTER.
6 x HORIZ. & VERT. & BLOCKING	No.1.
2 x TO 4 x BLOCKING	No.2. MIN.

   MAXIMUM ALLOWABLE MOISTURE CONTENT SHALL BE 19% UNLESS NOTED OTHER



EXCAVATION AND RECOMPACTION (1)

REVISED DETAIL "1/S1-2"

REVISES IN PART SHEET S1-2

LICENSED PROFESSIONAL ENGINEER — No. 52 1704 — EXP. 3-31-07 — STATE OF CALIFORNIA

10-25-06

ARCHITECT
IBI/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

LICENSED ARCHITECT — No. C6223 — EXP. 8-31-07 — STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

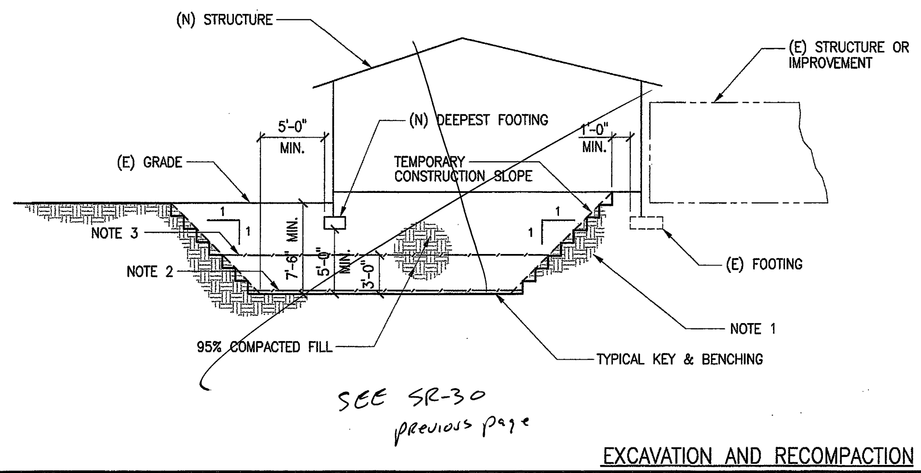
tbp architecture planning mission management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4	107979
THIS REVISES IN PART SHEET:	S1-2
SHEET:	SR-30

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SA
N B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

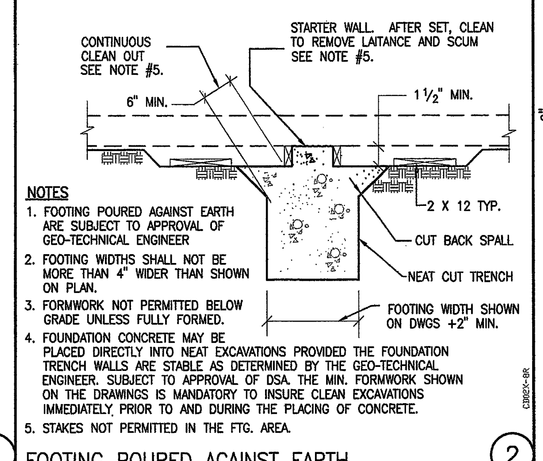
NOTES:

1. REMOVAL OF EARTH, BENCHING & RECOMPACTION ADJACENT TO EXISTING STRUCTURES & IMPROVEMENTS SHALL BE PERFORMED PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS & UNDER INSPECTION OF GEOTECHNICAL ENGINEER.
2. GEOGRID EARTH REINFORCEMENT FABRIC.
3. GROUND STABILIZATION WITH GEOGRID EARTH REINFORCEMENT FABRIC. ACTUAL FIELD CONDITIONS MAY RESULT IN REVISED STABILIZATION PROCEDURES. SPECIFIC RECOMMENDATIONS SHALL BE GIVEN BY THE PROJECT GEOTECHNICAL ENGINEER AT THE TIME OF BOTTOM OF OVEREXCAVATION INSPECTIONS.



SEE SR-30 previous page

EXCAVATION AND RECOMPACTION (1)

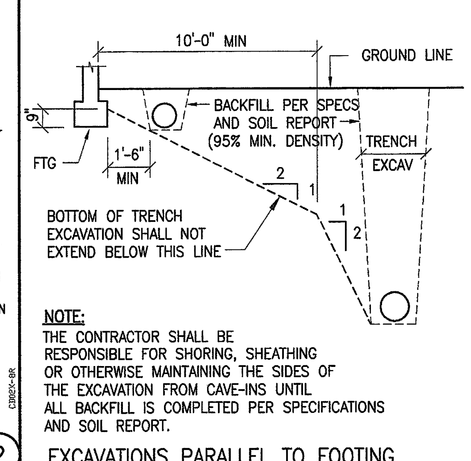


NOTES

1. FOOTING POURED AGAINST EARTH ARE SUBJECT TO APPROVAL OF GEO-TECHNICAL ENGINEER
2. FOOTING WIDTHS SHALL NOT BE MORE THAN 4" WIDER THAN SHOWN ON PLAN.
3. FORMWORK NOT PERMITTED BELOW GRADE UNLESS FULLY FORMED.
4. FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE GEO-TECHNICAL ENGINEER. SUBJECT TO APPROVAL OF DSA. THE MIN. FORMWORK SHOWN ON THE DRAWINGS IS MANDATORY TO INSURE CLEAN EXCAVATIONS IMMEDIATELY PRIOR TO AND DURING THE PLACING OF CONCRETE.
5. STAKES NOT PERMITTED IN THE FTG. AREA.

C2802-9R

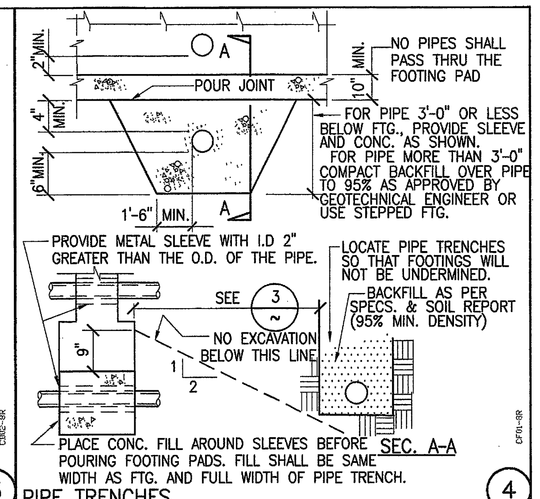
FOOTING POURED AGAINST EARTH (2)



NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING, SHEATHING OR OTHERWISE MAINTAINING THE SIDES OF THE EXCAVATION FROM CAVE-INS UNTIL ALL BACKFILL IS COMPLETED PER SPECIFICATIONS AND SOIL REPORT.

C2802-9R

EXCAVATIONS PARALLEL TO FOOTING (3)

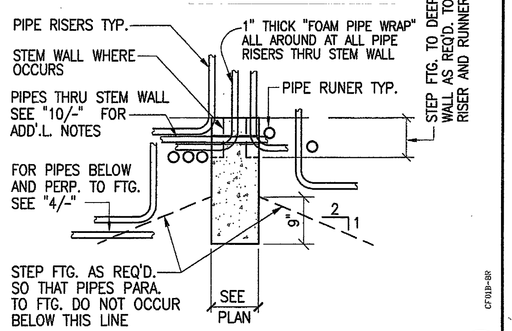


C2802-9R

PIPE TRENCHES (4)

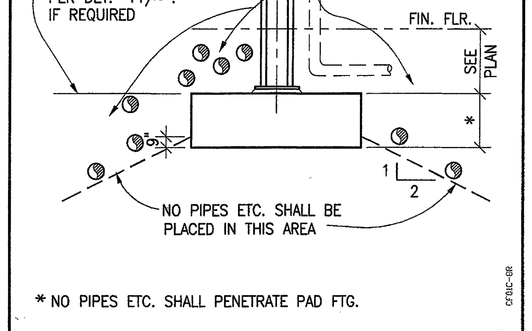
NOTES:

1. PIPES SHALL NOT BE PLACED THRU OR UNDER ANY COL. PAD FTG.
2. SEE ALSO DETAIL "6/-"
3. SEE DETAIL "14/-" FOR STEP FTG.
4. THE TERMS "PIPES" & "CONDUITS" ARE SYNONYMOUS.



C2760-9R

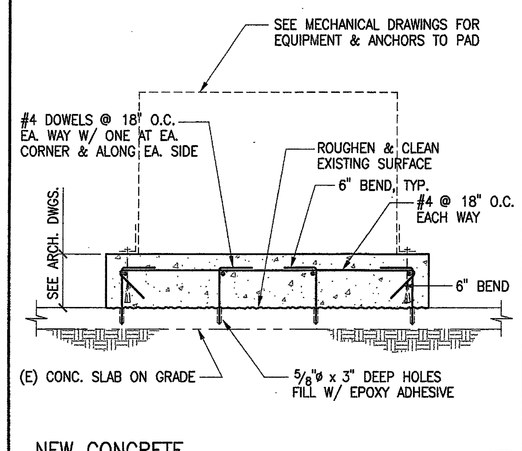
TYPICAL PIPES AT FOOTING (5)



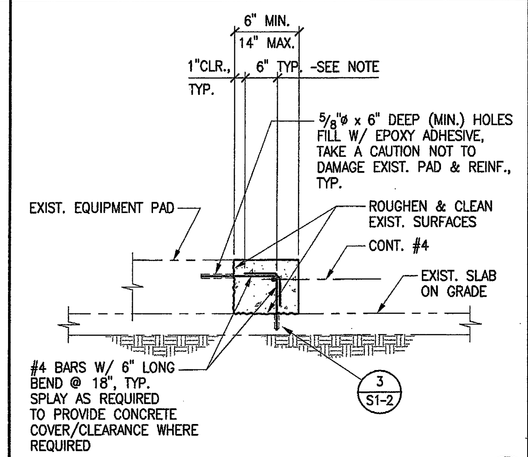
* NO PIPES ETC. SHALL PENETRATE PAD FTG.

C2760-9R

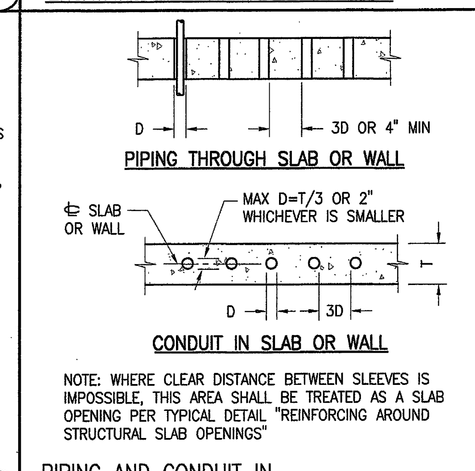
TYPICAL PIPE AT PAD FOOTING (6)



NEW CONCRETE EQUIPMENT PAD ON EXISTING SLAB (7)



EXISTING EQUIPMENT PAD AT EXISTING SLAB (7A)

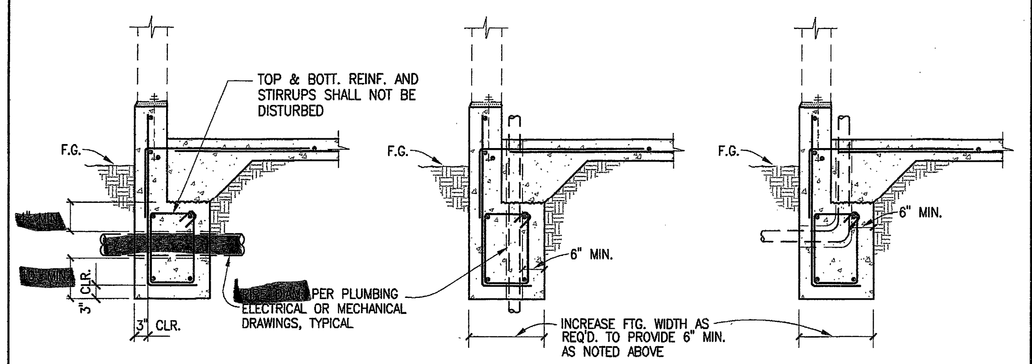


NOTE: WHERE CLEAR DISTANCE BETWEEN SLEEVES IS IMPOSSIBLE, THIS AREA SHALL BE TREATED AS A SLAB OPENING PER TYPICAL DETAIL "REINFORCING AROUND STRUCTURAL SLAB OPENINGS"

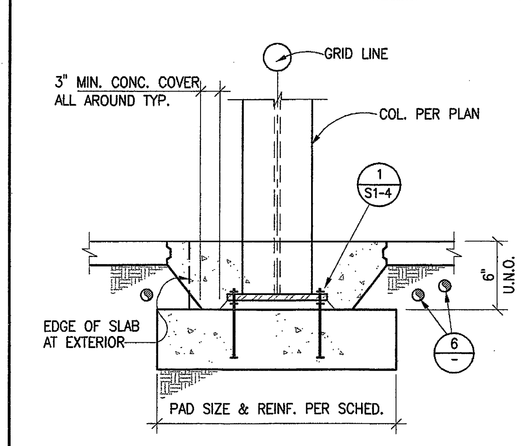
C2520-9S

PIPING AND CONDUIT IN OR THROUGH SLAB OR WALL (8)

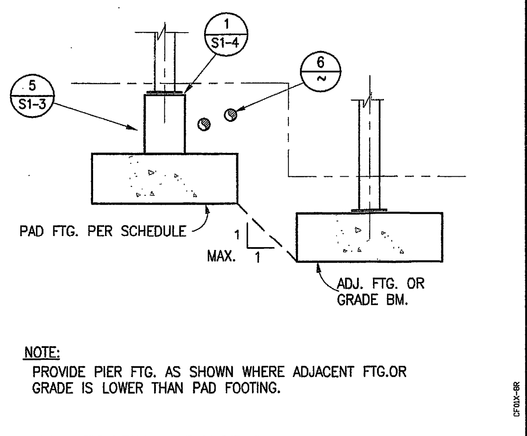
NOT USED



PIPE SLEEVE THRU CONTINUOUS FOOTING (10)



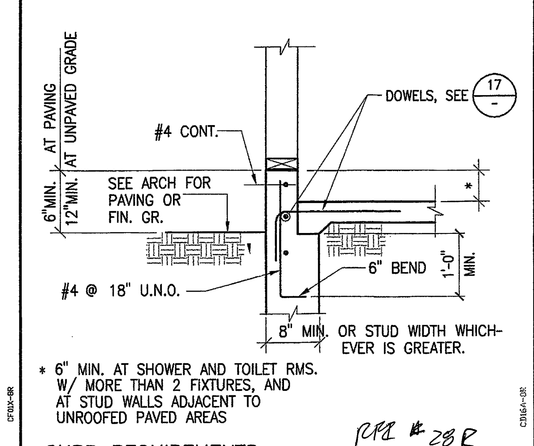
ISOLATED PAD FOOTING (11)



NOTE:
PROVIDE PIER FTG. AS SHOWN WHERE ADJACENT FTG.OR GRADE IS LOWER THAN PAD FOOTING.

C2760-9R

PAD FOOTING ADJACENT TO DEEPENED FOOTING (12)



* 6" MIN. AT SHOWER AND TOILET RMS. W/ MORE THAN 2 FIXTURES, AND AT STUD WALLS ADJACENT TO UNROOFED PAVED AREAS

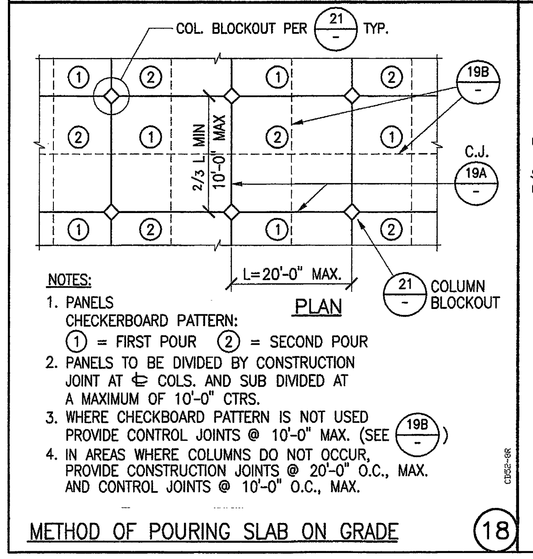
RPA #28

C2564-9R

CURB REQUIREMENTS AT WOOD STUD WALL (13)

NOT USED

NOT USED

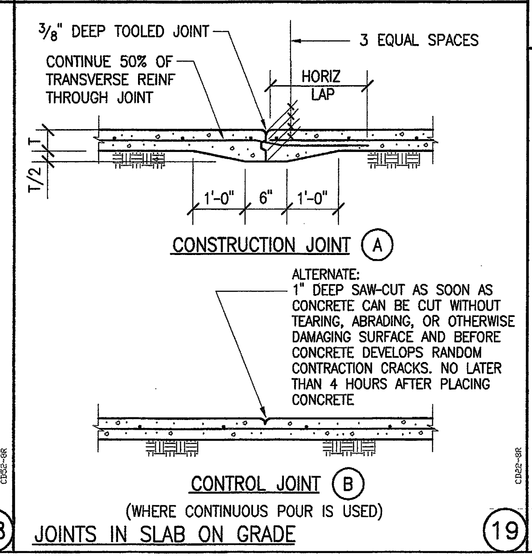


NOTES:

1. PANELS CHECKERBOARD PATTERN: (1) = FIRST POUR (2) = SECOND POUR
2. PANELS TO BE DIVIDED BY CONSTRUCTION JOINT AT ℄ COLS. AND SUB DIVIDED AT A MAXIMUM OF 10'-0" CTRS.
3. WHERE CHECKBOARD PATTERN IS NOT USED PROVIDE CONTROL JOINTS @ 10'-0" MAX. (SEE 19B)
4. IN AREAS WHERE COLUMNS DO NOT OCCUR, PROVIDE CONSTRUCTION JOINTS @ 20'-0" O.C., MAX. AND CONTROL JOINTS @ 10'-0" O.C., MAX.

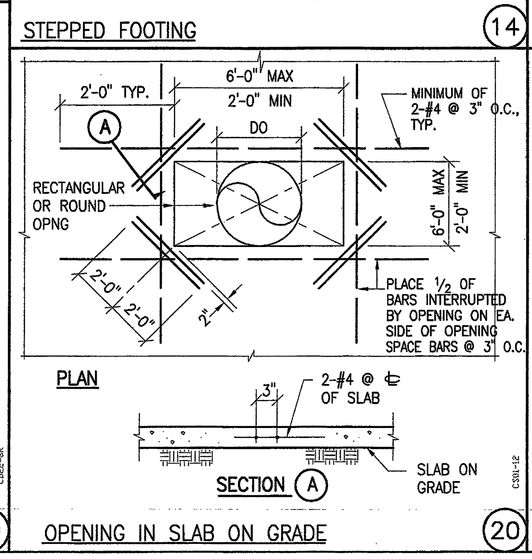
C2504-9R

METHOD OF POURING SLAB ON GRADE (18)

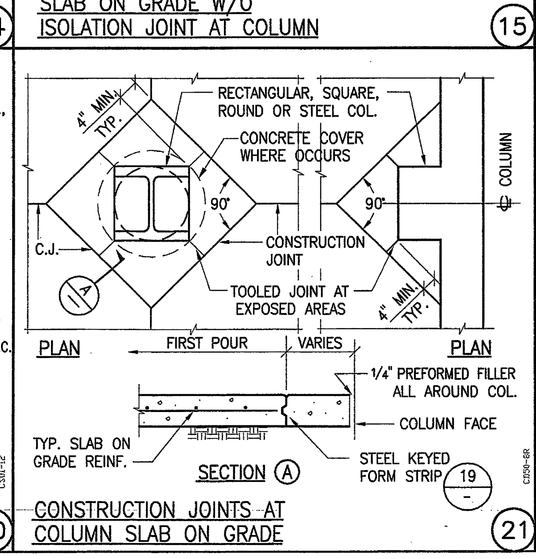


C2504-9R

JOINTS IN SLAB ON GRADE (19)

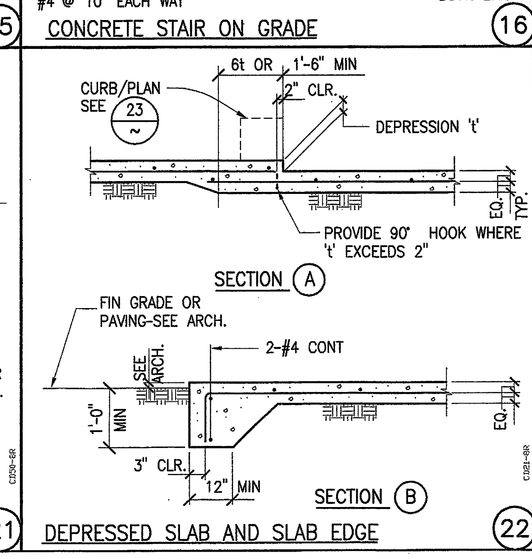


STEPPED FOOTING (14)



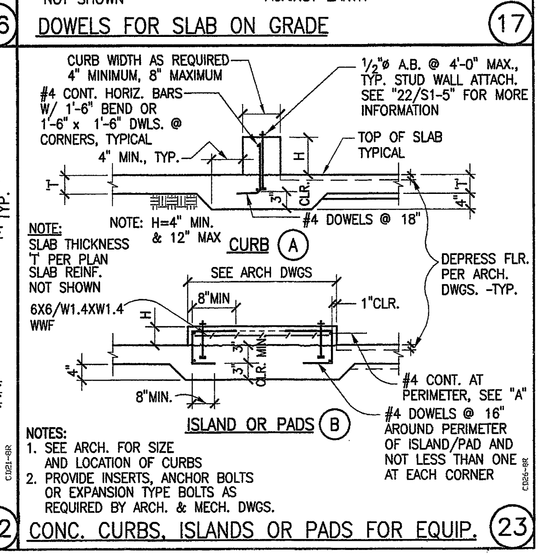
OPENING IN SLAB ON GRADE (20)

CONSTRUCTION JOINTS AT COLUMN SLAB ON GRADE (21)



C2501-9R

DEPRESSED SLAB AND SLAB EDGE (22)



NOTES:
1. SEE ARCH. FOR SIZE AND LOCATION OF CURBS
2. PROVIDE INSERTS, ANCHOR BOLTS OR EXPANSION TYPE BOLTS AS REQUIRED BY ARCH. & MECH. DWGS.

C2504-9R

CONC. CURBS, ISLANDS OR PADS FOR EQUIP. (23)

tBP architecture planning interiors management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 9496730300 fx: 9496733967
architect

MARTIN, CHOW & MAKABALA, INC.
CONSULTING STRUCTURAL ENGINEERS
385-C Jessup AVE. corte MDRA, CA. 93928
ph: (831) 633-4140 fax: (831) 633-4141
email: richard@martinchowinc.com
web: www.martinchowinc.com
MCN04022 04022
consultant

REGISTERED PROFESSIONAL ENGINEER RICHARD ALLEN CHOW No. SE 1431 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER RICHARD ALLEN CHOW No. 1431 STATE OF CALIFORNIA

DSA APPROVAL
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. #4-107979
FLS
SEP 2 9 2006
DATE

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048.00
file name: <S1-2.DWG>
drawn by: SD checked by: RAC
date: 4-10-06

Rev	date:	description:

drawing title: TYPICAL DETAILS
building no:

drawing no: S1-2
drawing 55 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

NOT USED

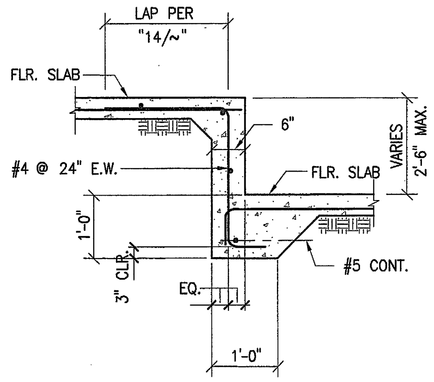
NOT USED

NOT USED

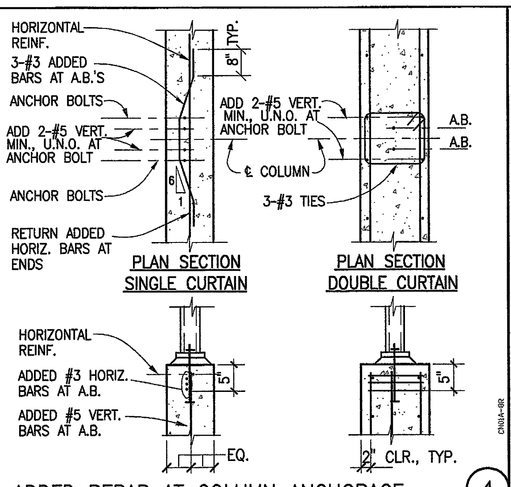
NOT USED

NOT USED

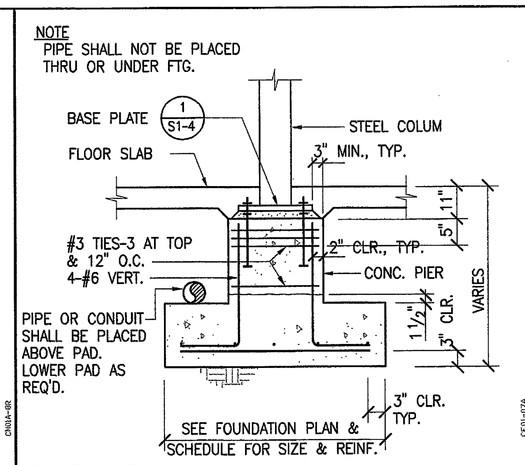
NOT USED



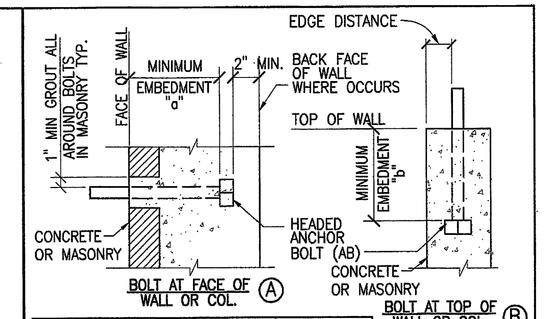
STEP IN SLAB ON GRADE (2)



ADDED REBAR AT COLUMN ANCHORAGE (4)



FOOTING PIER AT ISOLATED STEEL COLUMN, TYP. INTERIOR (5)

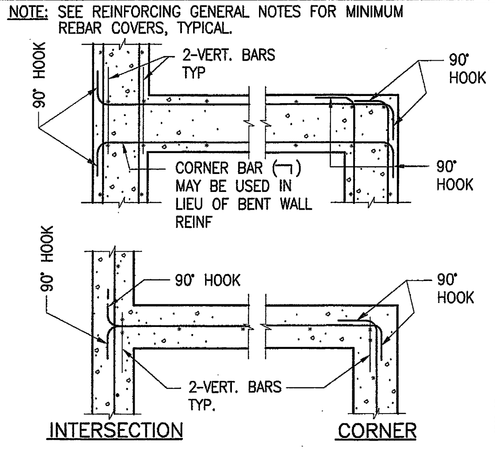


A.B./ ROD SIZE	EMBEDMENT "a"		EMBEDMENT "b"		EDGE DISTANCE	
	CONC.	CMU	CONC.	CMU	CONC.	CMU
1/2"	4"	4"	8"	4"	3"	4"
5/8"	4½"	5"	9"	5"	3¾"	5"
3/4"	5"	6"	10"	6"	4½"	6"
7/8"	6"	7"	11"	7"	5¼"	6"
1"	7"	8"	12"	8"	6"	6"

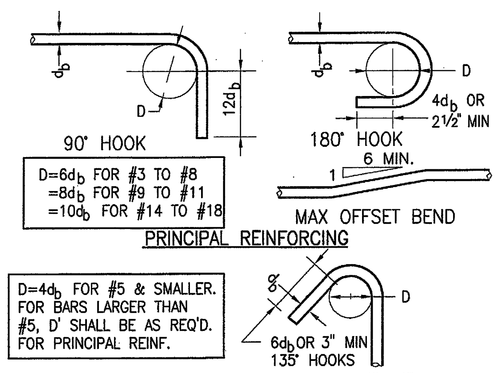
NOTE: DIMENSION OF HEX HEAD SHALL CONFORM TO ANSI/ASME B18.2.1

BOLT EMBEDMENT SCHEDULE (6)

NOTE: SEE REINFORCING GENERAL NOTES FOR MINIMUM REBAR COVERS, TYPICAL.

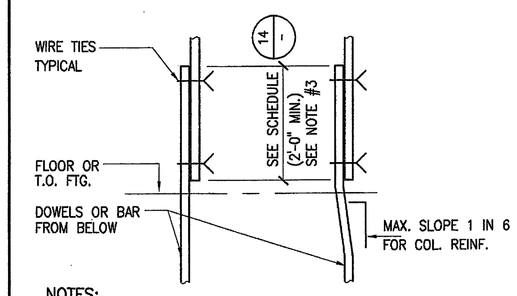


REINF. AT WALL AND FTG. INTERSECTIONS (9)



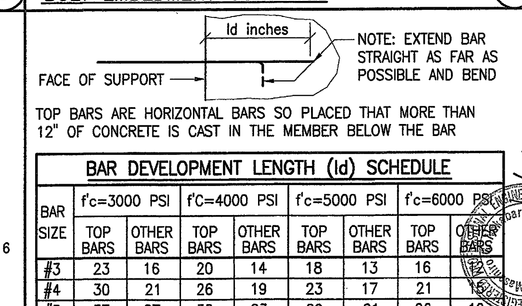
NOTES: 1. ALL BENDS SHALL BE MADE COLD
2. #14 & #18 BARS SHALL BE BEND-TESTED AND APPROVED PRIOR TO USE IN PROJECT.

BAR BENDS (10)



NOTES:
1. ALL VERTICAL REINFORCING FOR COLUMNS, PIERS AND WALLS SHALL BE DOWELED AS SHOWN EXCEPT SPECIFIC DETAILS ON DRAWINGS SHALL GOVERN IN CASES OF CONFLICT.
2. DOWELS SHALL BE THE SAME GRADE, SIZE AND NUMBER AS VERTICAL REINFORCING.
3. BARS OF #8 & LARGER SHALL BE SPLICE BY WELDING PER "15/-"

VERTICAL REINFORCING LAP SPLICE (11)



TOP BARS ARE HORIZONTAL BARS SO PLACED THAT MORE THAN 12" OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR

BAR SIZE	f'c=3000 PSI		f'c=4000 PSI		f'c=5000 PSI		f'c=6000 PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	23	16	20	14	18	13	16	12
#4	30	21	26	19	23	17	21	16
#5	37	27	32	23	29	21	26	19
#6	45	32	39	28	35	25	32	23
#7	52	37	45	32	40	29	37	26
#8	59	43	51	37	46	33	42	30
#9	67	48	58	41	52	37	47	34
#10	74	53	64	46	58	41	53	38
#11	82	58	71	51	63	45	58	41

BAR DEVELOPMENT LENGTH (12)

CONCRETE WALL REINFORCING SCHEDULE				
WALL THICKNESS (t)	BAR SIZE & SPACING EACH MAT ~ fy = 60KSI			REMARKS
	SCHEDULE "A"	SCHEDULE "B"		
	VERT AND HORIZ	HORIZ	VERT	
4"	#4 @ 12"	#4 @ 12"	#4 @ 12"	SINGLE CURTAIN
4"< t ≤ 5"	#4 @ 15"	#4 @ 15"	#4 @ 15"	SINGLE CURTAIN
5"< t ≤ 6"	#4 @ 13"	#4 @ 17"	#4 @ 18"	SINGLE CURTAIN
6"< t ≤ 8"	#5 @ 15"	#5 @ 18"	#4 @ 18"	SINGLE CURTAIN
8"< t ≤ 10"	#4 @ 15"	#4 @ 18"	#4 @ 18"	DOUBLE CURTAIN
10"< t ≤ 12"	#5 @ 18"	#4 @ 16"	#4 @ 18"	DOUBLE CURTAIN
12"< t ≤ 14"	#5 @ 17"	#5 @ 18"	#4 @ 18"	DOUBLE CURTAIN
14"< t ≤ 16"	#5 @ 15"	#5 @ 18"	#4 @ 18"	DOUBLE CURTAIN

NOTES:
1. USE SCHEDULE "A" FOR ALL BUILDING WALLS UNO. USE SCHEDULE "B" FOR ALL OTHER WALLS AND SLAB OF PITS AND TRENCHES UNO.
2. SINGLE CURTAIN REINFORCING SHALL BE IN THE CENTER OF WALL UNLESS OTHERWISE DETAILED

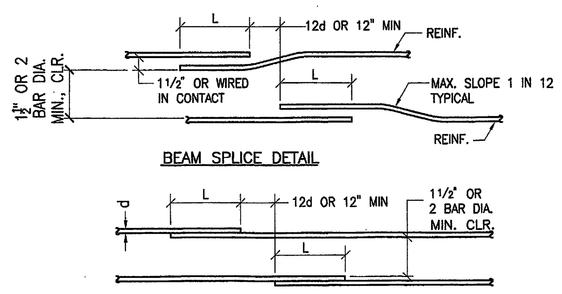
CONCRETE WALL AND SLABS OF PITS AND TRENCHES MINIMUM REINFORCING SCHEDULE (13)

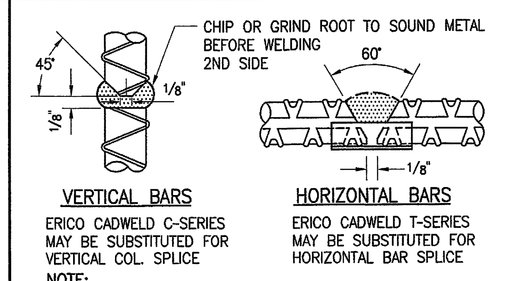
SCHEDULE I											
LOCATION IN STRUCTURE	CONC f'c PSI	STEEL GRADE KSI	BAR SIZE								
			3	4	5	6	7	8	9	10	11
			L = LAP SPLICE IN INCHES								
BARS OF BEAMS, JOISTS, ELEVATED SLABS, SPANDRELS AND FOOTINGS	3000	60	13	18	22	26	48	55	62	70	78
	4000	60	12	15	19	23	42	47	54	60	67

SCHEDULE II											
LOCATION IN STRUCTURE	CONC f'c PSI	STEEL GRADE KSI	BAR SIZE								
			3	4	5	6	7	8	9	10	11
			L = LAP SPLICE IN INCHES								
TOP BARS* OF BEAMS, JOISTS, ELEVATED SLABS, SPANDRELS AND FOOTINGS	3000	60	17	23	28	34	52	71	81	97	101
	4000	60	15	20	25	30	54	62	70	78	87
WALL STEEL HORIZONTAL, VERTICAL & DOWELS	3000	60	21	38	47	56	81	92	105	118	131
	4000	60	27	33	42	48	70	81	91	101	113
WALL STEEL HORIZONTAL, VERTICAL & DOWELS AT MASONRY	f'm'=1500	60	← 60 DIA. TYP. → 72 DIA. AT JAMB, ENDS, CORNERS AND CHORD						WELD SPLICE		

REGULAR WEIGHT CONC. AND MASONRY REINF. LAP SPLICE SCHEDULE (14)

NOTES:
1. THE SCHEDULES SHOWN ON THIS DETAIL APPLY TO REGULAR WEIGHT CONCRETE @ 145 TO 150 PCF.
2. THE SMALLER BAR LAP LENGTH SHALL BE USED WHEN SPLICING DIFFERENT SIZE BARS.
3. LAP LENGTHS SPECIFICALLY DETAILED ON DRAWINGS SHALL GOVERN IN LIEU OF THE LAP LENGTHS SCHEDULED HERE.
4. THE CONTRACTOR, AT HIS OPTION, MAY USE A BUTT WELDED SPLICE IN LIEU OF THE LAP SPLICE SHOWN-SEE DETAIL "15/S1-3".
5. * TOP BARS ARE HORIZONTAL BARS PLACED SO THAT 12" OR MORE OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE BAR. USE SCHEDULE II FOR LAP LENGTHS FOR TOP BARS IN SLABS WHERE MORE THAN 12" OF CONCRETE IS CAST BELOW THEM.
6. ALL DETAILING AND PLACING OF REINFORCING SHALL COMPLY WITH THIS DETAIL UNLESS SPECIFICALLY DETAILED OTHERWISE ON THE DRAWINGS.
7. BUNDLED BAR SPLICES:
   a) INDIVIDUAL BAR SPLICES WITHIN THE BUNDLE SHALL NOT OVERLAP EACH OTHER.
   b) INCREASE LAP LENGTH 20% AT THREE BAR BUNDLES.
   c) INCREASE LAP LENGTH 33% AT FOUR BAR BUNDLES
8. ADJACENT SPLICES OF WALL BARS SHALL BE STAGGERED. SPLICES IN TWO CURTAINS SHALL NOT OCCUR IN THE SAME LOCATION.
9. LAP SPLICE FOR REINFORCING IN CONCRETE CHORDS AND DRAGS SHALL BE AS SCHEDULED FOR HORIZONTAL WALL STEEL.
10. STANDARD HOOKS IN LIGHTWEIGHT CONCRETE SHALL HAVE TAILS 25% LONGER THAN SCHEDULED.
11. DOWELS SHALL BE THE SAME GRADE, SIZE, SPACING AS VERTICAL REINFORCING U.N.O.



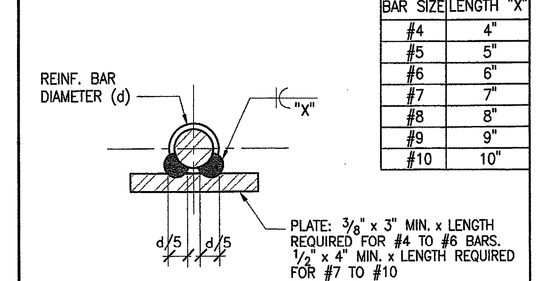


ERICO CADWELD C-SERIES MAY BE SUBSTITUTED FOR VERTICAL COL. SPLICE

ERICO CADWELD T-SERIES MAY BE SUBSTITUTED FOR HORIZONTAL BAR SPLICE

NOTE:
1. A PRE-QUALIFICATION TENSION TEST SHALL BE MADE BY AN APPROVED TESTING LABORATORY ON SAMPLES OF EVERY SIZE BAR BEING WELDED.
2. MATERIALS,CONDITIONS AND WELDING PROCEDURES UTILIZED SHALL COMPLY WITH THE CURRENT APPLICABLE BUILDING CODE AND THE REQUIREMENTS OF THE GOVERNING INSPECTION AGENCY.
3. ALL COSTS INCURRED FOR OBTAINING APPROVALS SHALL BE BORNE BY THE GENERAL CONTRACTOR.

BUTT WELDED REINFORCING BAR SPLICES (15)



BAR SIZE	LENGTH "X"
#4	4"
#5	5"
#6	6"
#7	7"
#8	8"
#9	9"
#10	10"

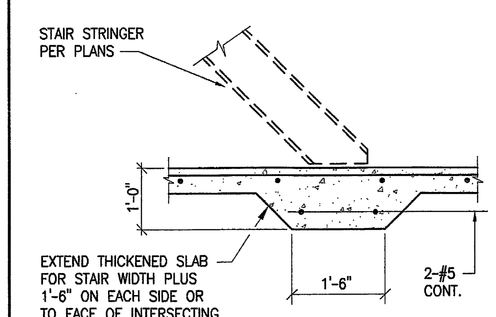
NOTE:
1. A PRE-QUALIFICATION TENSION TEST SHALL BE MADE BY AN APPROVED TESTING LABORATORY ON SAMPLES OF EVERY SIZE BAR BEING WELDED.
2. MATERIALS, CONDITIONS AND WELDING PROCEDURES UTILIZED SHALL COMPLY WITH THE CURRENT APPLICABLE BUILDING CODE AND THE REQUIREMENTS OF THE GOVERNING INSPECTION AGENCY.

REINFORCING LAP SPLICE (16)

NOT USED

NOT USED

NOT USED



STAIR STRINGER TO SLAB ON GRADE (18)

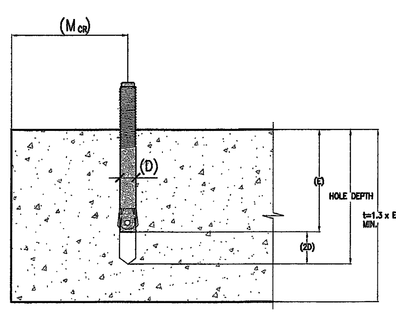
NOT USED

NOT USED

TENSION TEST LOAD (lb.) (1)				
"KWIK BOLT II" EXPANSION BOLTS				
BOLT SIZE (D)	EDGE DIST (M_{OD}) (2)	EMBEDMENT (E)	NORMAL WT. (2) CONCRETE	LIGHT WT. (2) CONCRETE
¼"	3"	2" TO < 3¾"	880	1008
		≥ 3¾"	1000	1008
⅜"	3¾"	2½" TO < 4¼"	1760	1008
		≥ 4¼"	1976	1008
½"	5¼"	3½" TO < 6"	3200	1600
		≥ 6"	3464	1600
⅝"	6"	4" TO < 7"	4272	2640
		≥ 7"	5200	2640
¾"	7⅛"	4¾" TO < 8"	5800	3520
		≥ 8"	7400	3520
1"	9"	6" TO < 9"	8496	NOT USED
		≥ 9"	11280	NOT USED

(1) TEST VALUES ARE BASED ON 2x(80% KBII TENSION LOAD)

(2) EDGE DISTANCE MAY BE REDUCED 33% TENSION LOAD TEST SHALL BE REDUCED 20% WHEN EDGE DISTANCE IS REDUCED 33%. USE LINEAR INTERPOLATION FOR ACTUAL EDGE DISTANCE BETWEEN TABULATED AND MINIMUM EDGE DISTANCE.



EXPANSION BOLT

RF1059 Columns C@Grid Line C between 8&9

TENSION TEST LOAD (lb.) (3)									
"HIT HY-150" EPOXY-TYPE ANCHORS									
THREADED ROD SIZE	NORMAL WT. CONCRETE			LIGHT WT. CONCRETE			MASONRY (5)	
	EMBEDMENT	EDGE DIST. (5)	TEST LOAD (4)	EMBEDMENT	EDGE DIST. (5)	TEST LOAD (4)	EMBEDMENT	TEST LOAD
⅜"	3½" TO < 5¼"	5¼"	2848	≥3½"	8"	1600	≥3½"	2480
	≥ 5¼"	8"	3952					
½"	4¼" TO < 6⅜"	6½"	4088	≥4¼"	9½"	1936	≥4¼"	2856
	≥ 6⅜"	9½"	6456					
⅝"	5" TO < 7½"	7½"	6592	≥4¼"	7½"	2816	≥ 5"	3624
	≥ 7½"	11¼"	9032					
¾"	6⅝" TO < 10"	10"	6984	NOT USED			≥6⅝"	5984
	≥10"	15"	14272					
1"	8¼" TO < 12⅜"	12½"	12496	NOT USED			NOT USED	
	≥12⅜"	18½"	23312					
1¼"	12" TO < 15"	18"	23232	NOT USED			NOT USED	
	≥15"	22½"	28816					

(3) TEST VALUES ARE BASED ON 2x(80% ICBO TENSION LOAD)

(4) EDGE DISTANCE MAY BE REDUCED 67%. TENSION LOAD TEST SHALL BE REDUCED 60% WHEN EDGE DISTANCE IS REDUCED 67%. USE LINEAR INTERPOLATION FOR ACTUAL EDGE DISTANCE BETWEEN TABULATED AND MINIMUM EDGE DISTANCE.

(5) EDGE DISTANCE FOR MASONRY ANCHORS SHALL BE AT LEAST 12"

DRILLED-IN EXPANSION BOLTS AND EPOXY-TYPE ANCHORS

DRILLED-IN EXPANSION BOLTS SHALL BE HILTI "KWIK BOLT-II", ICBO ER-4627.

EPOXY-TYPE BOLTS SHALL BE HILTI "HIT HY-150", ICBO ER-5193.

INSTALLATION SHALL BE IN ACCORDANCE WITH ICBO APPROVAL AND DSA IR 19-1.

INSTALLATION SHALL BE CONTINUOUSLY INSPECTED IN ACCORDANCE WITH ICBO APPROVAL.

LOAD TEST DRILLED-IN EXPANSION BOLTS AND EPOXY-TYPE ANCHORS FOR VALUES SHOWN U.N.O. IN ACCORDANCE WITH CBC, SECTION 1923A.3.5 AND DSA IR 19-1.

USE EXPANSION BOLTS OR EPOXY-TYPE ANCHORS ONLY WHERE SPECIFICALLY CALLED OUT ON PLANS OR DETAILS. EXPANSION BOLTS OR EPOXY-TYPE BOLTS SHALL NOT BE USED WHERE ANCHOR BOLTS ARE SPECIFIED.

DRILLED-IN EXPANSION BOLTS AND EPOXY-TYPE ANCHORS (20)

NOT USED

tBP architecture planning interiors management
BBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph. 949.673.0300 fx. 949.673.9267
architect

MARTIN, CHOW & NAVARRA, INC.
CONSULTING STRUCTURAL ENGINEERS
385-C JERRY AVE. COSTA MESA, CA. 92626
PHONE: (714) 549-2105 FAX: (714) 549-2107
email: richards@mcnengineers.com
web: www.mcnengineers.com
MCN04022
consultant

BONIFACIO STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP. #4-107979
AC. YES SS DL
DATE SEP 2 9 2006

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

San Elijo Student Center
MiraCosta College
MiraCosta College - San Alijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007
owner

tBP project number : 20489.00
file name: (S1-3.DWG)
drawn by: SD checked by: RAC
date: 4-10-06

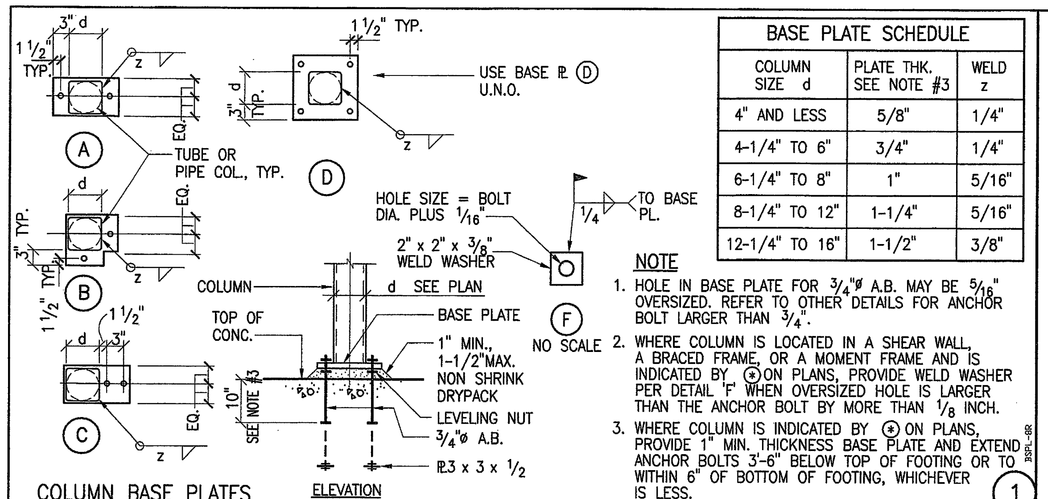
Rev.	date:	description:

drawing title: building no:

TYPICAL DETAILS

drawing no: S1-3
drawing 56 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

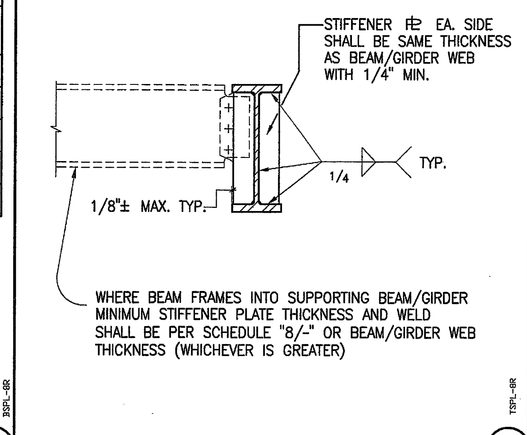


BASE PLATE SCHEDULE		
COLUMN SIZE d	PLATE THK. SEE NOTE #3	WELD z
4" AND LESS	5/8"	1/4"
4-1/4" TO 6"	3/4"	1/4"
6-1/4" TO 8"	1"	5/16"
8-1/4" TO 12"	1-1/4"	5/16"
12-1/4" TO 16"	1-1/2"	3/8"

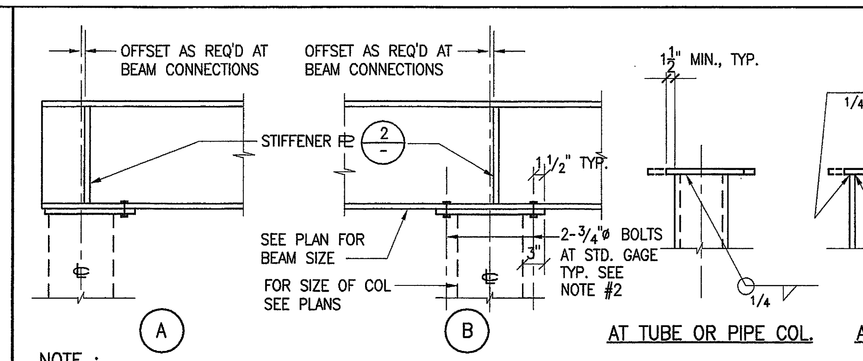
NOTE

1. HOLE IN BASE PLATE FOR 3/4"ø A.B. MAY BE 5/16" OVERSIZED. REFER TO OTHER DETAILS FOR ANCHOR BOLT LARGER THAN 3/4".
2. WHERE COLUMN IS LOCATED IN A SHEAR WALL, A BRACED FRAME, OR A MOMENT FRAME AND IS INDICATED BY ⊙ ON PLANS, PROVIDE WELD WASHER PER DETAIL 'F' WHEN OVERSIZED HOLE IS LARGER THAN THE ANCHOR BOLT BY MORE THAN 1/8 INCH.
3. WHERE COLUMN IS INDICATED BY ⊙ ON PLANS, PROVIDE 1" MIN. THICKNESS BASE PLATE AND EXTEND ANCHOR BOLTS 3-6" BELOW TOP OF FOOTING OR TO WITHIN 6" OF BOTTOM OF FOOTING, WHICHEVER IS LESS.

COLUMN BASE PLATES (1)



TYPICAL FULL HEIGHT STIFFENER PLATE (2)

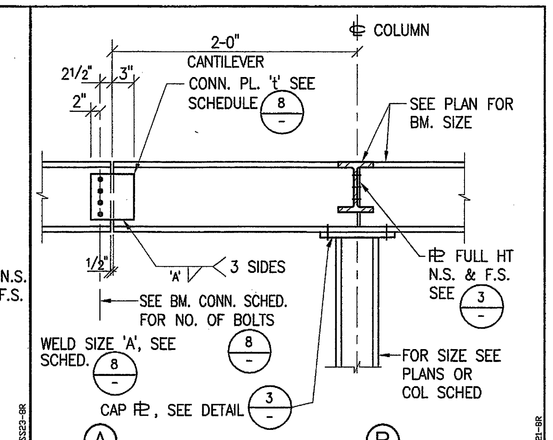


NOTE :

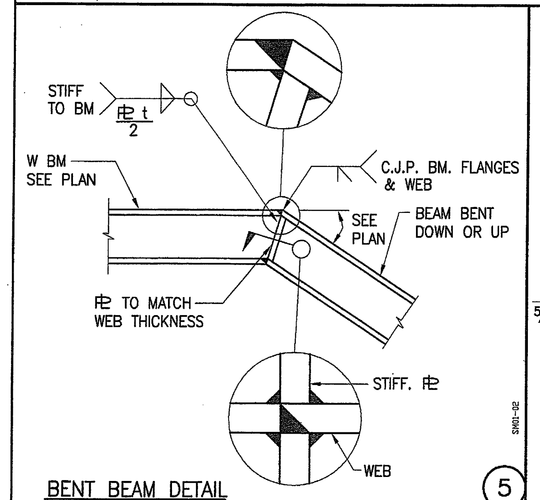
1. COL. CAP PLATE SHALL BE THE SAME WIDTH AS BEAM FLANGE OR COL. DIM. (WHICHEVER IS GREATER).THICKNESS SAME AS BEAM FLANGE (1/2" MIN.)
2. USE 5/8"ø A307 BOLTS WHEN FLG. = 4" ≤ the bm

CAP PLATE WELDING

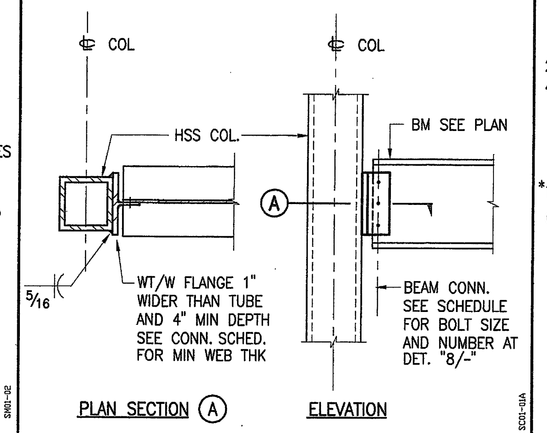
BEAM TO COLUMN (3)



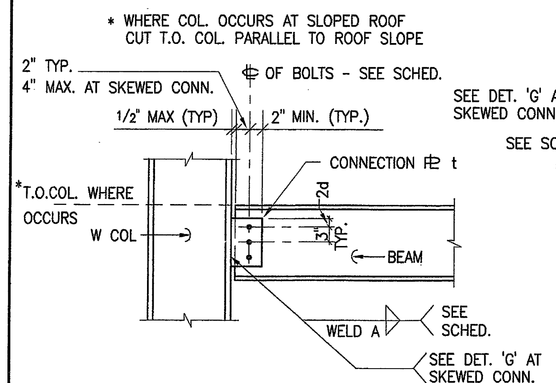
TYPICAL CANTILEVER BEAM DETAIL (4)



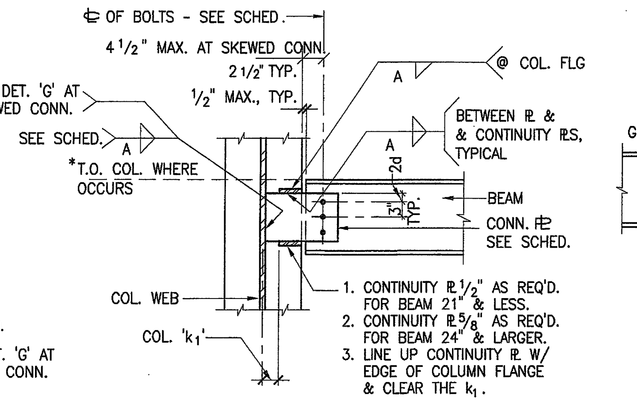
BENT BEAM DETAIL (5)



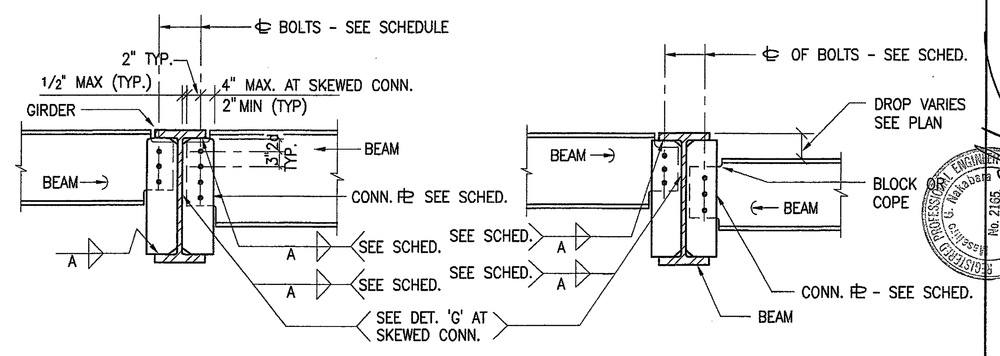
WF BEAM TO HSS COLUMN (6)



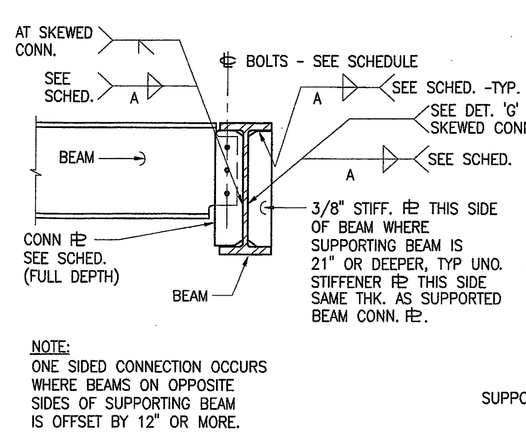
BEAM TO COLUMN FLANGE (A)



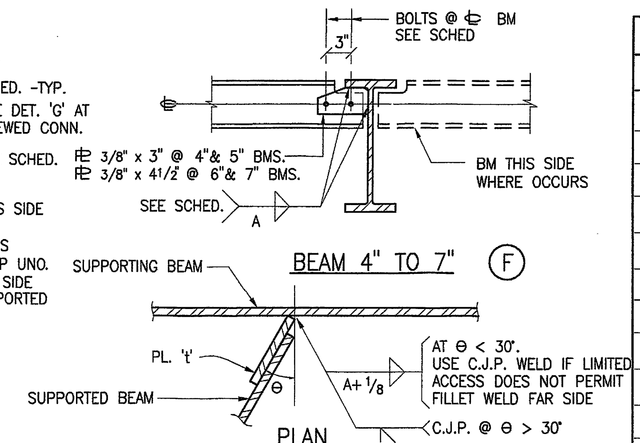
BEAM TO COLUMN WEB (B)



TYPICAL BEAM (C) DROPPED BEAM (D)



ONE SIDE BEAM CONNECTION (E)



SHEAR PL. WELD AT SKEWED CONN. (G)

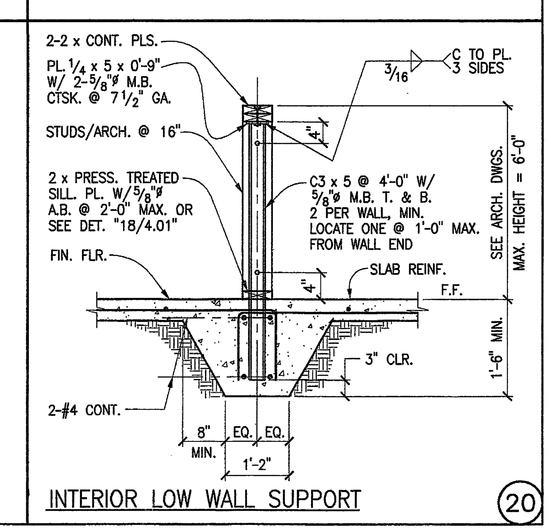
BEAM CONNECTION SCHEDULE			
SHEAR PL CONNECTION			
SUPPORTED MEMBER (DEPTH)	# OF BOLTS	CONN PL t	WELD SIZE A
< 8"	2	3/8"	1/4"
8" - 10"	2	3/8"	1/4"
12" - 14"	3	3/8"	1/4"
15" - 16"	4	3/8"	1/4"
18"	5	3/8"	1/4"
20" & 21"	5	1/2"	1/4"
24"	6	5/8"	5/16"
27"	7	5/8"	5/16"
30" & 33"	8	5/8"	5/16"
36"	10	5/8"	5/16"

NOTES:

1. FILLET WELD SIZE SHALL BE AS SHOWN UNLESS A GREATER SIZE IS REQUIRED BY A.I.S.C. TABLE J2.4.
2. d = DIAM. OF BOLT
3. ALL BOLTS SHALL BE 3/4"ø A307 U.N.O. ALL STRUT BEAMS (S) SHALL BE CONNECTED W/ 7/8"ø A325SC, TYPICAL U.N.O.
4. WHERE NUMBER OF REQ'D BOLTS PER PLAN ARE MORE THAN NUMBER OF BOLTS IN SCHEDULE, USE MAXIMUM BOLTS POSSIBLE IN FIRST ROW AND BALANCE IN SECOND ROW WITH 3" FROM FIRST ROW. (2 BOLTS MIN. AT SECOND ROW)

BEAM CONNECTION DETAILS (8)

NOT USED



INTERIOR LOW WALL SUPPORT (20)

tBP architecture planning interiors management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 9496730300 fx: 9496739267
architect

MARTIN, GUSH & NAKAHARA, INC.
CONSULTING STRUCTURAL ENGINEERS
330-C KERNEY AVE. COSTA MESA, CA. 92626
ph: (714) 549-2733 fax: (714) 549-2773
email: richards@mgnengineers.com
web: www.mgnengineers.com
MARTIN, GUSH & NAKAHARA
MCN04022
consultant

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 8586745400 fx: 8586745471
agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Alijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

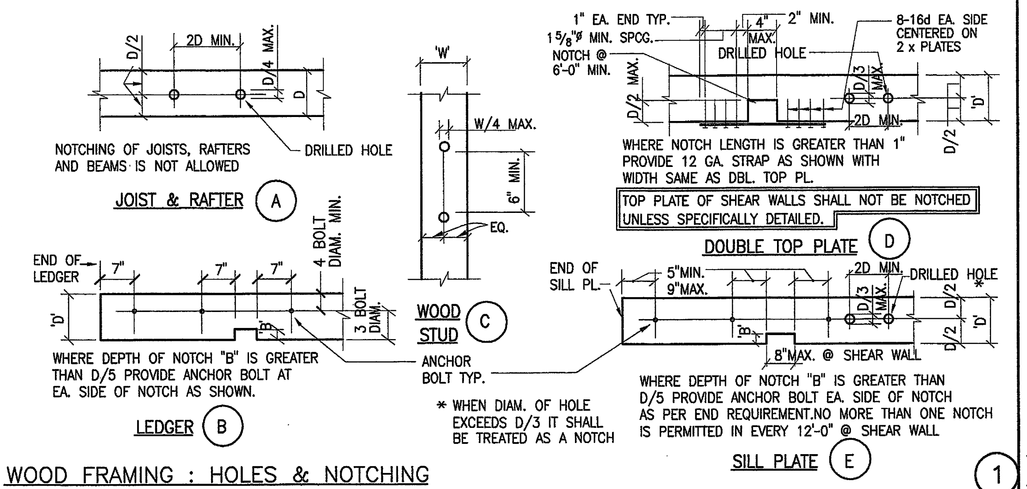
owner

tBP project number : 20489.00
file name: (S1-4.DWG)
drawn by: SD checked by: RAC
date: 4-10-06

Rev:	date:	description:

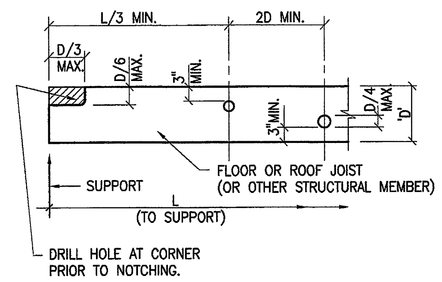
drawing title: TYPICAL DETAILS
building no:
drawing no: S1-4
drawing 97 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



WOOD FRAMING : HOLES & NOTCHING

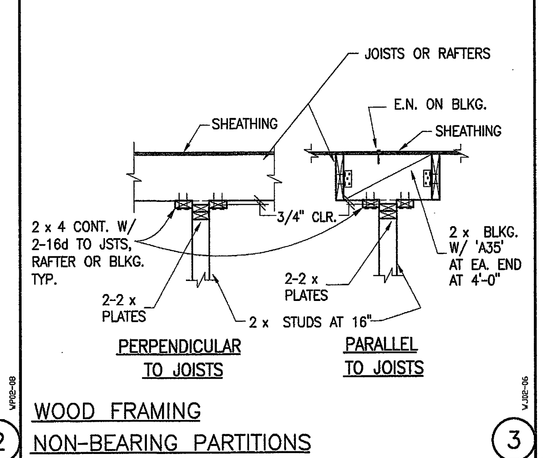
1



HOLES & NOTCHING IN JOISTS & BEAMS

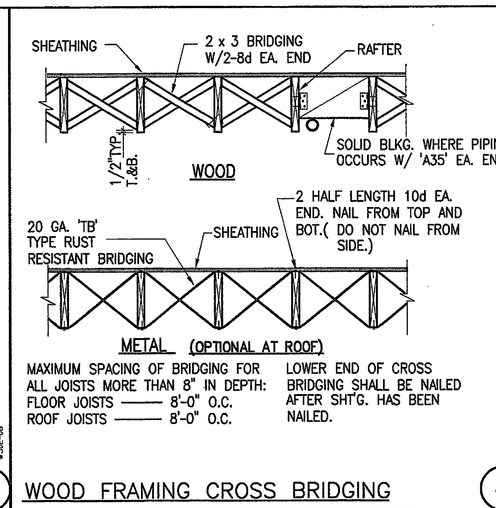
RFI #124 ask penetration for lighting conduit

2



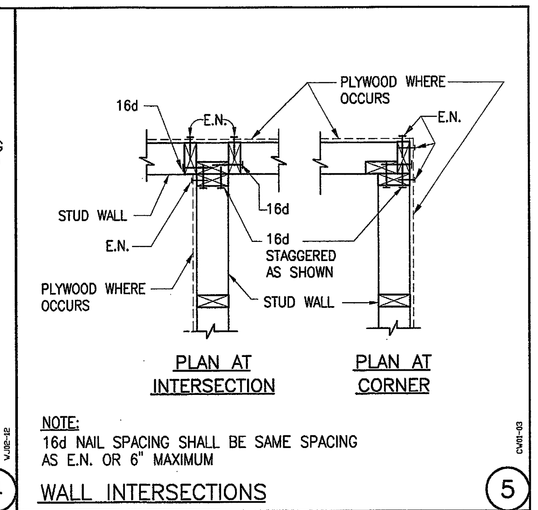
WOOD FRAMING NON-BEARING PARTITIONS

3



WOOD FRAMING CROSS BRIDGING

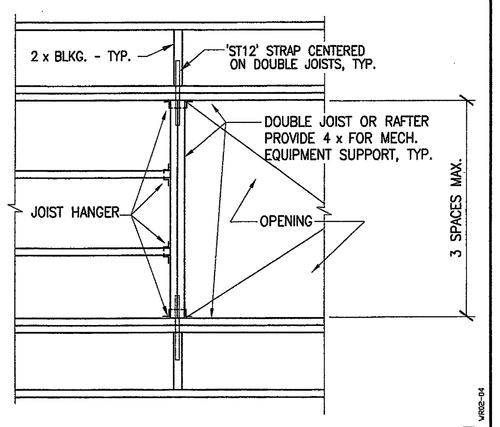
4



NOTE:
16d NAIL SPACING SHALL BE SAME SPACING AS E.N. OR 6" MAXIMUM

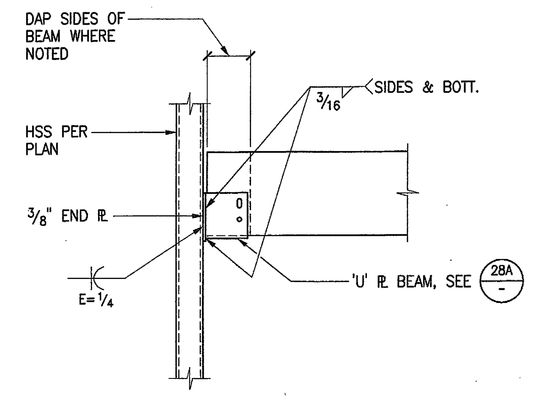
WALL INTERSECTIONS

5



OPENING IN HORIZONTAL WOOD FRAMING

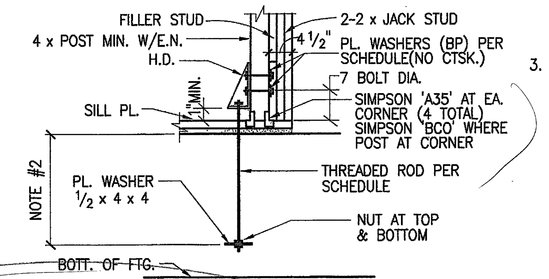
6



WOOD BEAM TO FACE OF HSS COLUMN

7

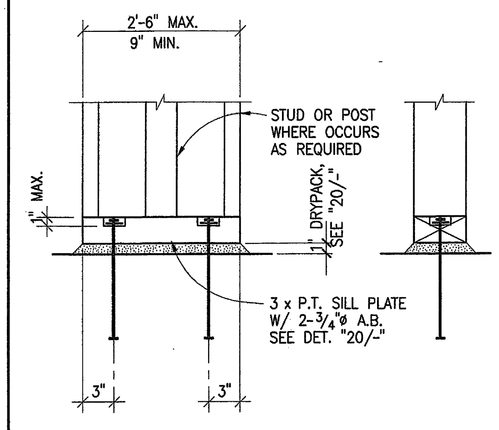
MARK	SIMPSON MODEL NO.	BASE (ROD)	POST (BOLT)	PLATE WASHER SIMPSON MODEL No.
A	HD2A	5/8"	2-5/8"	BP 5/8
B	HD5A	5/8"	2-3/4"	BP 3/4
C	HD6A	7/8"	2-7/8"	BP 7/8
D	HD10A	7/8"	4-7/8"	BP 7/8
E	HD14A	1"	4-1"	BP 1



HOLD-DOWN ANCHOR

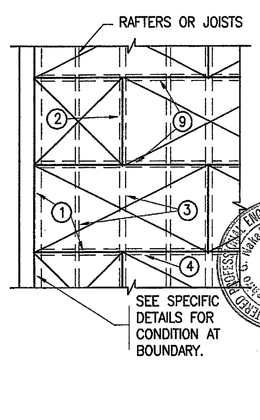
9

NOTE:
1. HOLD-DOWN ANCHOR SHOULD BE LOCATED AT ℄ OF STUD WALL, TYP., U.N.O.
2. THREADED ROD TO EXTEND TO WITHIN 6" OF BOTTOM OF FOOTING OR EXTEND INTO CONC. OR CMU WALL 3'-0", WHICHEVER IS LESS.
3. REFER TO PLANS OR ELEVS. FOR HOLD-DOWN ANCHOR LOCATIONS.



SHORT WALL SILL PLATE

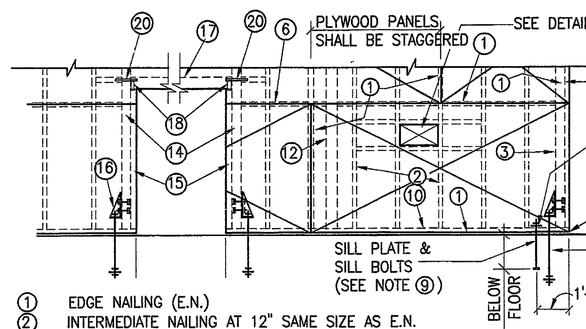
10



1. BOUNDARY NAILING (B.N.)
2. EDGE NAILING (E.N.)
3. INTERMEDIATE NAILING : 10" @ FLOORS 12" @ ROOFS, SAME SIZE AS E.N.
4. 3X4 FLAT BLOCKING U.N.O.
5. SEE PLAN FOR PLYWOOD THICKNESS & NAILING.
6. 2'-0" X 4'-0" MIN. SIZE OF PLYWOOD SHEET.
7. PLYWOOD FACE GRAIN SHALL BE PERPENDICULAR TO JOISTS OR RAFTERS.
8. NAILS SHALL HAVE MIN. 3/8" EDGE DISTANCE AND SHALL NOT BE OVER DRIVEN THROUGH PLY.
9. CONTINUOUS PANEL EDGES SHALL RECIEVE B.N.

HORIZONTAL PLYWOOD SHEATHING

11



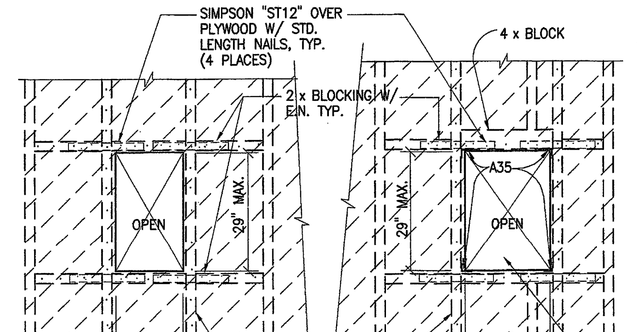
① EDGE NAILING (E.N.)
② INTERMEDIATE NAILING AT 12" SAME SIZE AS E.N.
③ E.N. AT POST WHERE HOLDDOWN ANCHOR OCCURS.
④ MINIMUM EDGE DISTANCE FOR NAILS SHALL BE 3/8".
⑤ PLYWOOD FACE GRAIN MAY BE HORIZONTAL OR VERTICAL.
⑥ SHEAR WALLS MORE THAN ONE VERTICAL PANELS IN HEIGHT SHALL HAVE EITHER VERTICAL OR HORIZONTAL STAGGERED JOINTS. AT CONT. HORIZ. JOINTS THE BLOCKING SHALL BE 3 x MIN.

⑦ SEE PLAN FOR LOCATION OF PLYWOOD SHEATHING.
⑧ EXTEND SCHEDULED PLYWOOD OVER DOOR OPENINGS, & OVER AND UNDER WINDOW OPENINGS, FOR FULL LENGTH OF WALL.
⑨ SEE SCHEDULE FOR THE SILL PLATE AND SILL PLATE ANCHORS.
⑩ SEE DETAIL "1/-" FOR HOLES AND NOTCHES IN SILL PLATE.
⑪ 1'-0" x 4'-0" MIN. SIZE OF PLYWOOD SHEET.
⑫ WOOD POSTS AND NAILERS TO STL. COL. SHALL RECEIVE E.N.
⑬ NOT USED
⑭ 4 x MIN. POST FULL HEIGHT WHERE HOLD-DOWN OCCURS.
⑮ 2-2 x JACK STUD. (NAIL PER "20/-").
⑯ HOLD DOWN ANCHORS WHERE SHOWN PER PLAN
⑰ HEADER, SEE "20/-"
⑱ SIMPSON "HUC" HANGER TO 4 x POST
⑲ WHERE PLYWOOD IS APPLIED ON BOTH FACES OF A WALL, PROVIDE 3 x OR THICKER STUDS AND BLOCKING AT PANEL JOINTS AND STAGGER NAILS.
⑳ 1-SIMPSON 'ST22' U.N.O., LAP HEADER 6", PROVIDE BLOCKING BETWEEN STUDS AND E.N. BLOCKING

SHEAR WALL SCHEDULE				
MARK	THICKNESS	E.N.	SILL PL. & A.B.	REMARKS
1	15/32" OR 1/2"	10d @ 6"	3 x MIN., 3/4"ø @ 48"	
2	15/32" OR 1/2"	10d @ 4"	3 x MIN., 3/4"ø @ 32"	
3	15/32" OR 1/2"	10d @ 3"	3 x MIN., 3/4"ø @ 32"	3 x MIN. STUD AT PLYWD. SPLICES, TYPICAL
4	15/32" OR 1/2"	10d @ 2"	3 x MIN., 3/4"ø @ 16"	
5	15/32" OR 1/2"	10d @ 3"	3 x MIN., 3/4"ø @ 16"	PLYWD. BOTH FACES OF WALL. 3 x MIN. STUD AT PLYWD. SPLICES, TYPICAL
6	15/32" OR 1/2"	10d @ 2"	3 x MIN., 3/4"ø @ 12"	
SPAN INDEX FOR WALL PLYWOOD SHALL BE 32/16				

PLYWOOD SHEATHING - WALLS

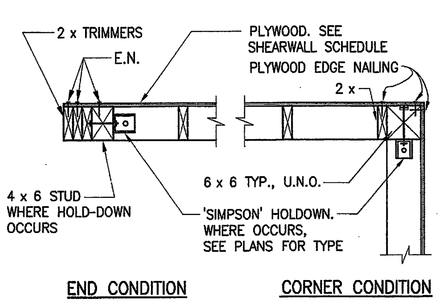
15



NOTES:
1. PLACE OPENINGS BTWN. STUDS AS INDICATED ON DETAIL "A" EXCEPT WHEN WIDTH OF OPENING EXCEEDS 14 1/2" USE DETAIL "B".
2. NO MORE THAN ONE OPENING IS PERMITTED IN EVERY 20'-0" LENGTH OF WALL, U.N.O.
3. PROVIDE E.N. TO STUD AND BLKG AROUND OPENING.
4. WHEN HORIZONTAL WIDTH OF OPENING IS LESS THAN 6", STRAP, BLKG. AND E.N. TO STUD MAY BE OMITTED.
5. NO OPENING SHALL BE PLACED IN SHEAR WALL LESS THAN 20'-0" LONG, U.N.O.
6. FOR LARGER OPENING FRAMING, SEE 25

TYPICAL SHEARWALL SMALL OPENING

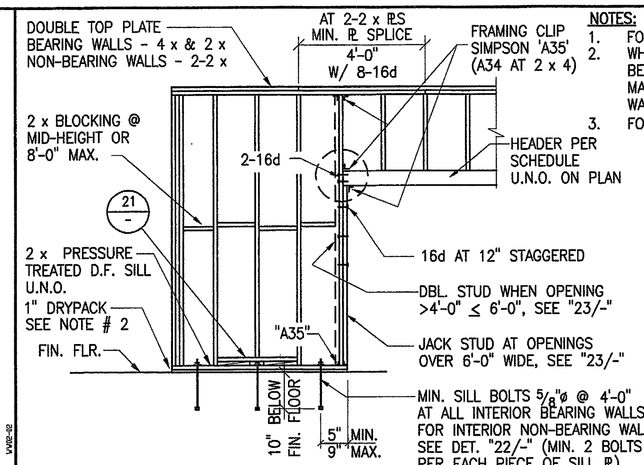
17



NOTE:
TO BE READ WITH TYPICAL ELEVATION OF HOLDOWN AT CONCRETE FLOOR.

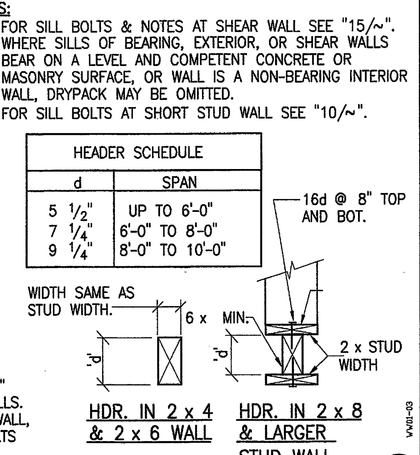
TYPICAL PLAN OF ENDS & CORNERS OF SHEAR WALLS (U.N.O.)

18



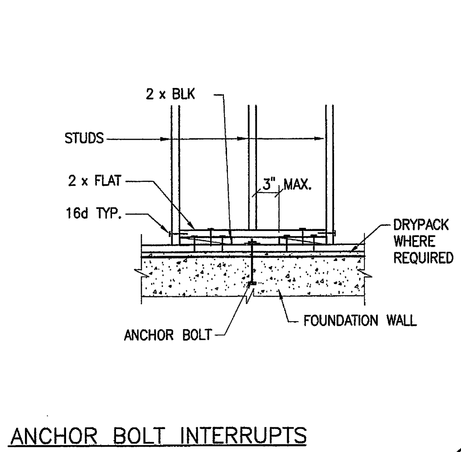
NOTES:
1. FOR SILL BOLTS & NOTES AT SHEAR WALL SEE "15/-".
2. WHERE SILLS OF BEARING, EXTERIOR, OR SHEAR WALLS BEAR ON A LEVEL AND COMPETENT CONCRETE OR MASONRY SURFACE, OR WALL IS A NON-BEARING INTERIOR WALL, DRYPACK MAY BE OMITTED.
3. FOR SILL BOLTS AT SHORT STUD WALL SEE "10/-".

HEADER SCHEDULE	
d	SPAN
5 1/2"	UP TO 6'-0"
7 1/4"	6'-0" TO 8'-0"
9 1/4"	8'-0" TO 10'-0"



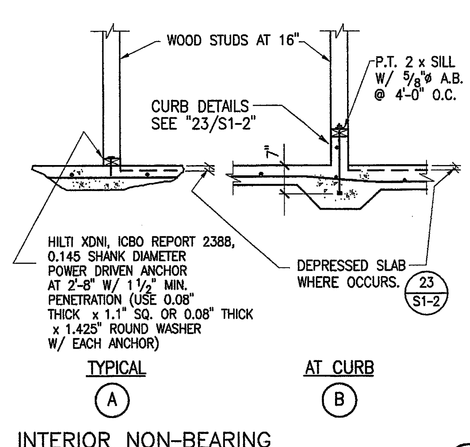
STUD WALL FRAMING

20



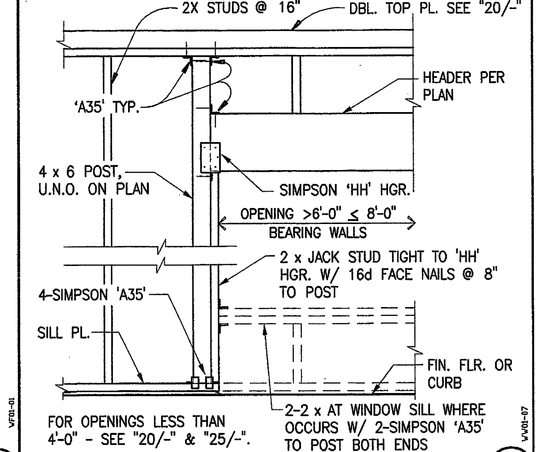
ANCHOR BOLT INTERRUPTS NORMAL STUD PLACEMENT

21



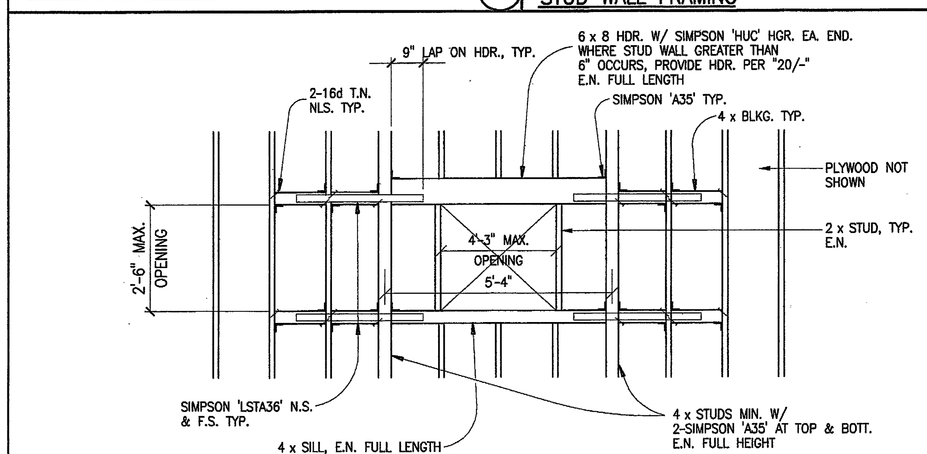
INTERIOR NON-BEARING WOOD STUD WALL

22



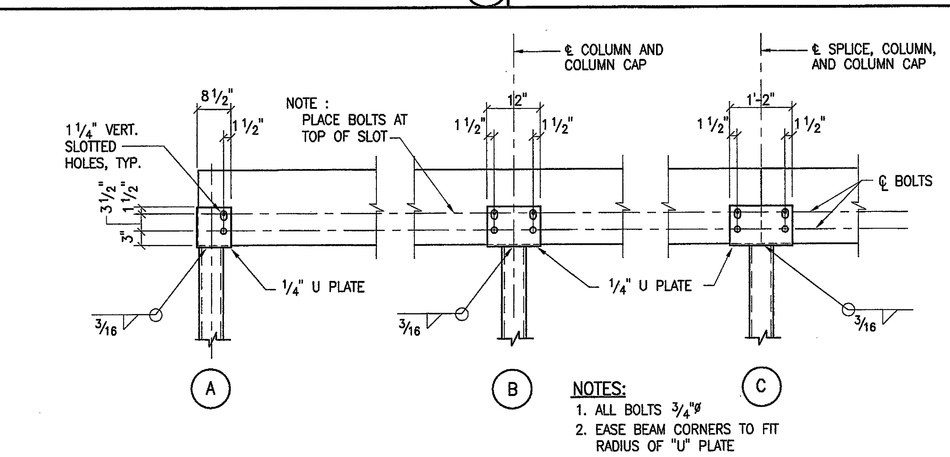
TYPICAL HEADER AND SILL FRAMING

23



WOOD WALL OPENING

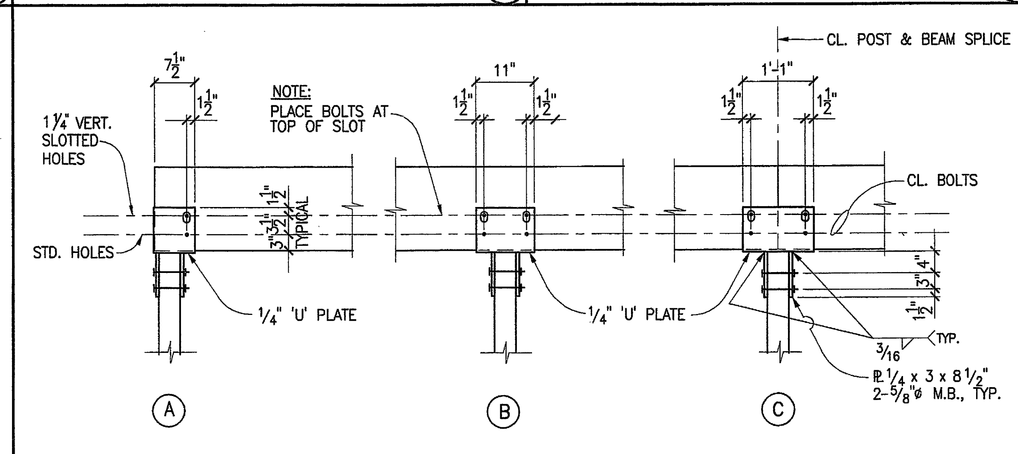
25



NOTES:
1. ALL BOLTS 3/4"ø
2. EASE BEAM CORNERS TO FIT RADIUS OF "U" PLATE

WOOD BEAM TO STEEL COLUMN CONNECTION

27



WOOD BEAM TO WOOD POST CONNECTION

28

tBP Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

MARTIN, CHOW & MAKABORA, INC.
CONSULTING STRUCTURAL ENGINEERS
235-C ATHENS AVE. COSTA MESA, CA. 92626
PHONE: 714.751.0400 FAX: 714.751.0440
e-mail: mcm@martinchowengineers.com
web: www.martinchowengineers.com
MCN04022 04/22
consultant

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 20489.00
file name: (S1-5.DWG)
drawn by: SD checked by: RAC
date: 4-10-06

Rev.	date	description

drawing title: TYPICAL DETAILS
building no:
drawing no: S1-5
drawing 58 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

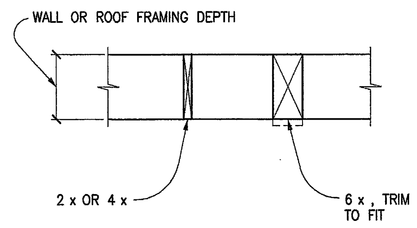
BOLT DIA.	MALLEABLE IRON WASHER	STEEL PLATE WASHER
1/2"	1/4" x 2 1/2"ø	1/4" x 2" x 2"
5/8"	5/16" x 2 3/4"ø	1/4" x 2 1/2" x 2 1/2"
3/4"	7/16" x 3"ø	5/16" x 2 3/4" x 2 3/4"
7/8"	7/16" x 3 1/2"ø	5/16" x 3 1/2" x 3 1/2"
1"	1/2" x 3 3/4"ø	3/8" x 4" x 4"

NOTE:

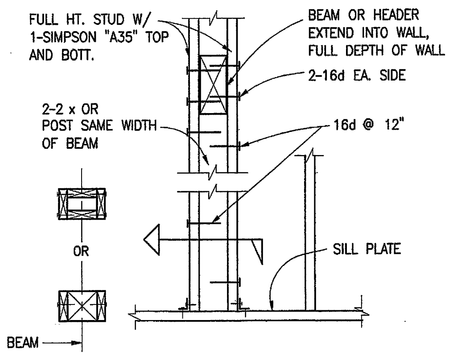
1. PROVIDE STANDARD CUT WASHERS UNDER ALL HEADS AND NUTS BEARING ON WOOD EXCEPT WHERE SPECIFICALLY NOTED ON DRAWINGS.

WOOD FRAMING
WASHER SCHEDULE (1)

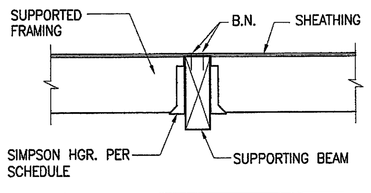
UNLESS NOTED IN DETAILS, WHEN MEMBERS OF DIFFERENT DRESSED DEPTH OCCUR IN WALL OR ROOF FRAMING ENVELOPE, DEPTH OF DEEPER MEMBERS SHALL BE TRIMMED TO MATCH DEPTH OF THE SHALLOWER MEMBER TO FIT IN THE WALL OR ROOF ENVELOPE.



STUD WALL &/OR ROOF FRAMING ENVELOPE (2)

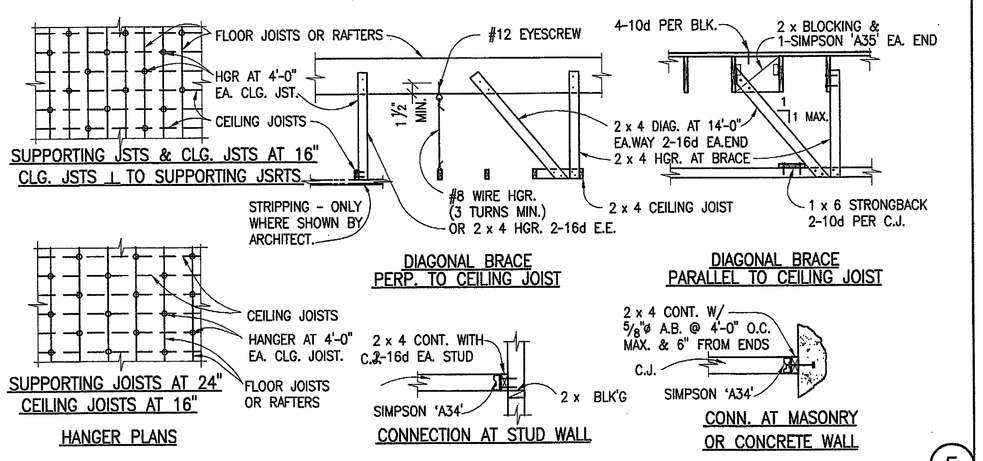


BEAM SUPPORT AT STUD WALL (3)

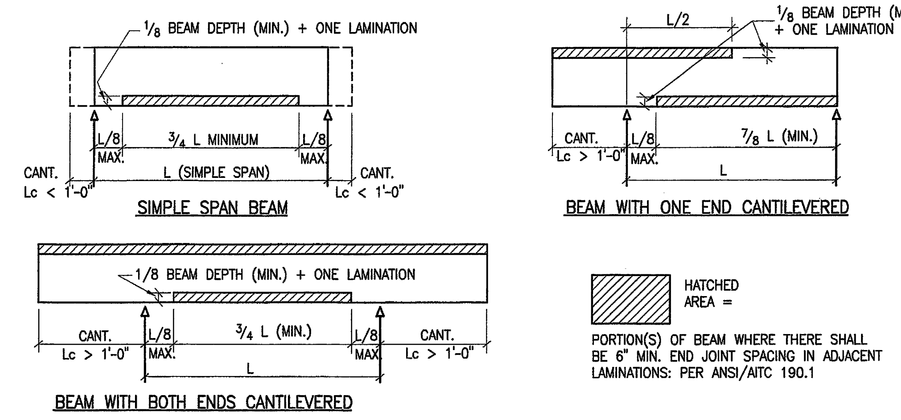


SUPPORTED FRAMING	HANGER TYPE
2 x (EXCEPT 2 x 14)	"LUS"
SKEWED 2 x	"U"
MULTIPLE JOIST	"LUS"
3 x AND 6 x	"U"
GLB TO GLB *	"HGLT" OR "HGLS"
2 x 14	"W214"
4 x 14	"WNP414"

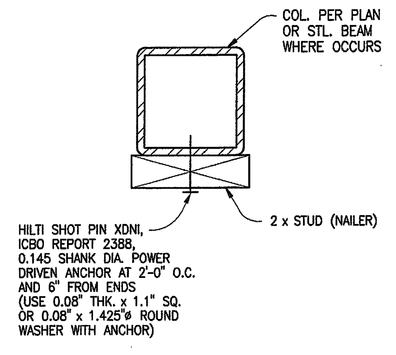
WOOD JOIST/BEAM TO WOOD BEAM CONN. (4)



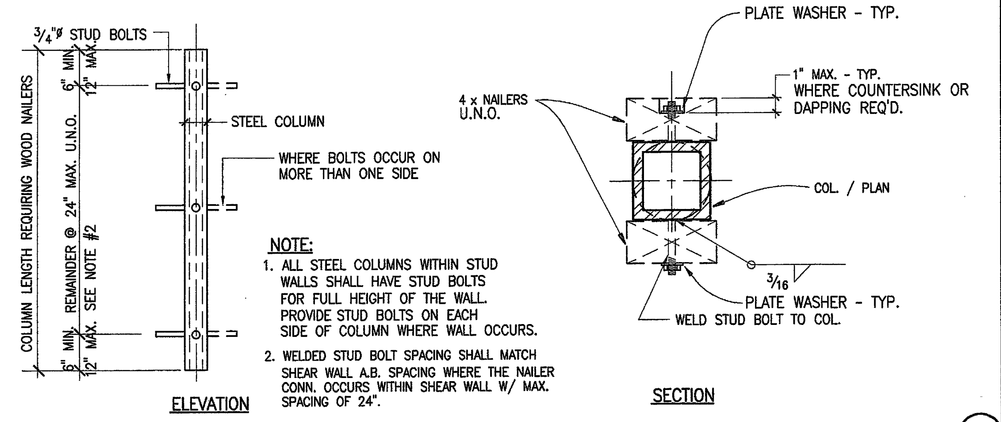
WOOD FRAMING FOR SUSPENDED CEILINGS (5)



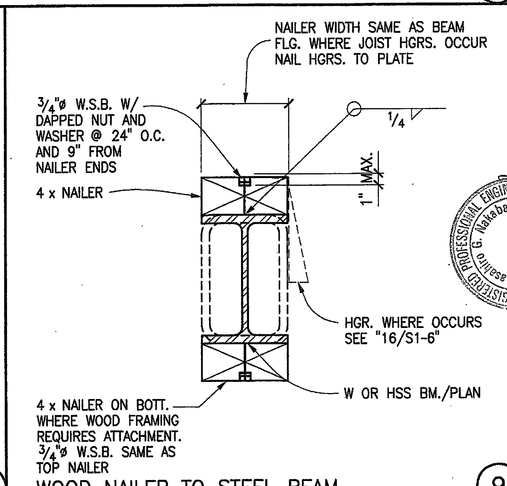
SPACING OF END JOINTS IN GLUED LAMINATED BEAMS (6)



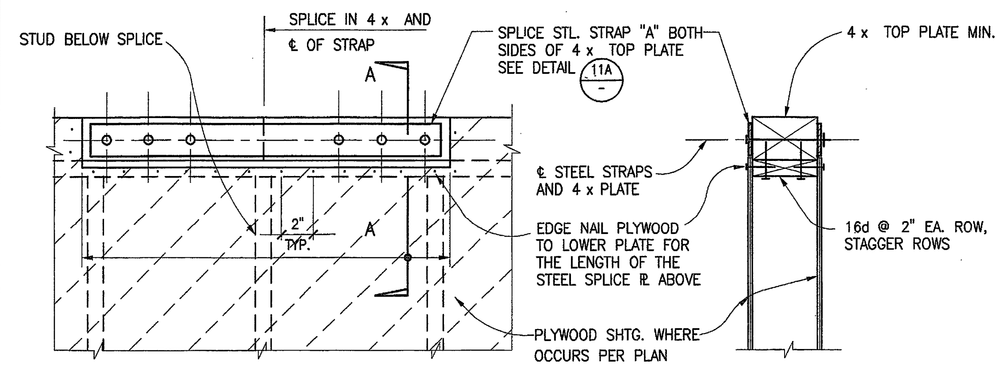
FURRING NAILER TO STEEL (7)



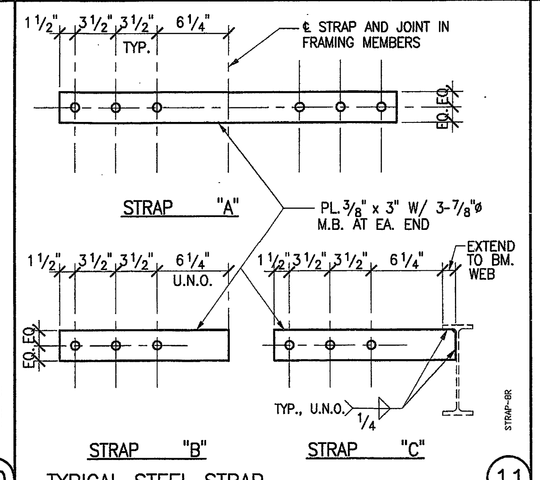
WOOD NAILER CONN. TO STEEL COLUMN (8)



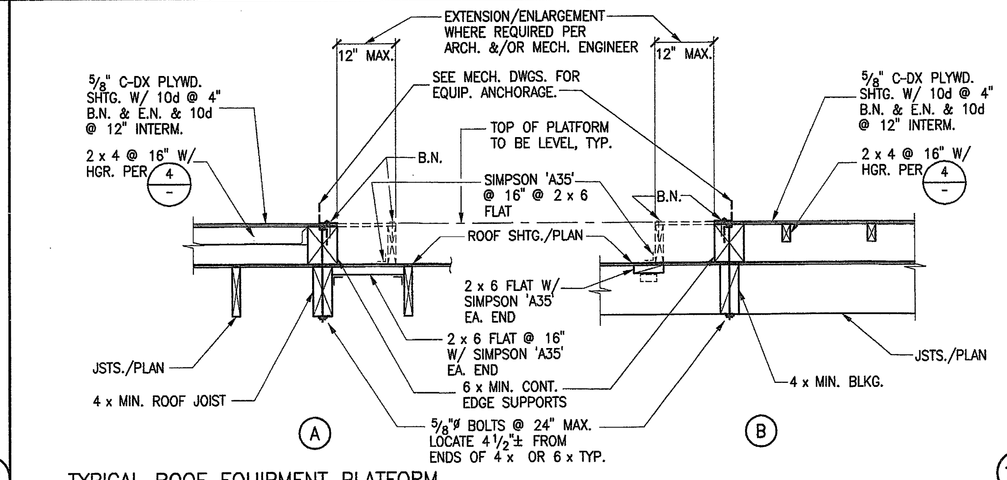
WOOD NAILER TO STEEL BEAM (9)



TYPICAL 4 x TOP PLATE SPLICE (10)

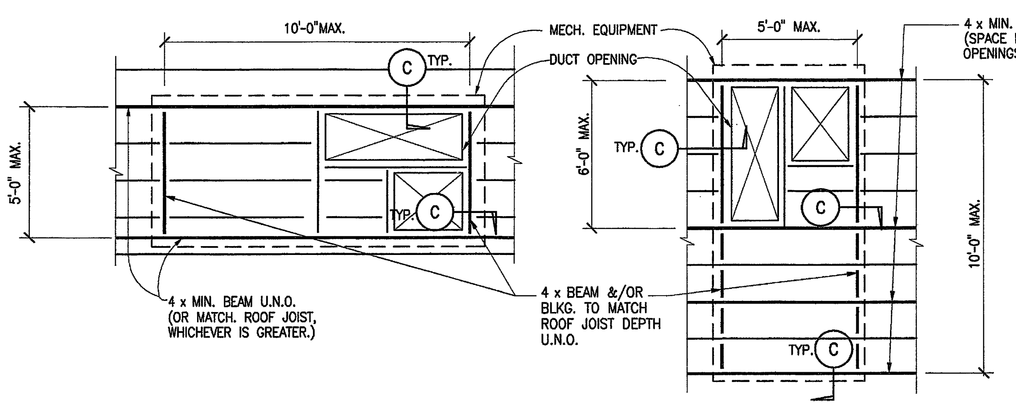


TYPICAL STEEL STRAP (11)



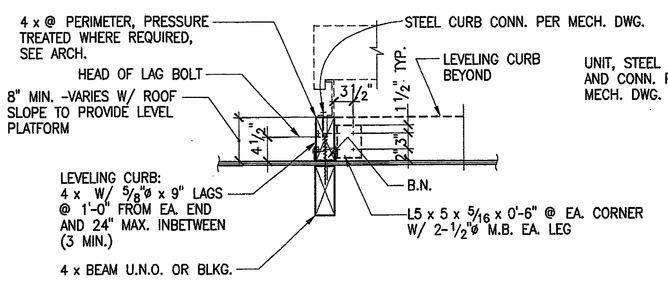
TYPICAL ROOF EQUIPMENT PLATFORM (12)

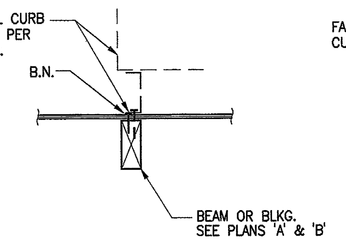
NOT USED (-)



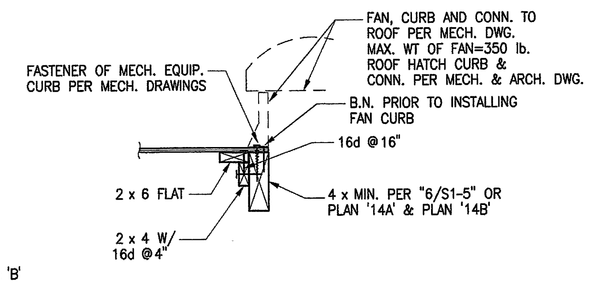
NOTES

1. MAX. WEIGHT OF MECH. UNIT, SEE PLAN.
2. NO MORE THAN ONE UNIT SHALL BE SUPPORTED BY THE SAME MEMBERS.
3. GENERAL CONTRACTOR TO COORDINATE WITH MECH. CONTR. THE EXACT LOCATION AND DUCT SIZE REQUIRED FOR EQUIP. BEING FURNISHED.
4. NOT USED
5. SUPPORT FRAMING SHOWN ON THESE DETAILS APPLIES TO ALL ROOF MOUNTED MECHANICAL EQUIPMENT WITH OR WITHOUT ROOF OPENINGS.





SECTION - "C"



SECTION - "D"

TYPICAL ROOF EQUIPMENT SUPPORT FRAMING (14)

MINIMUM STUD NAILING AND CONNECTIONS, DOUBLE PLATE NAILING AND SILL PLATE ANCHORING FOR EXTERIOR WALLS

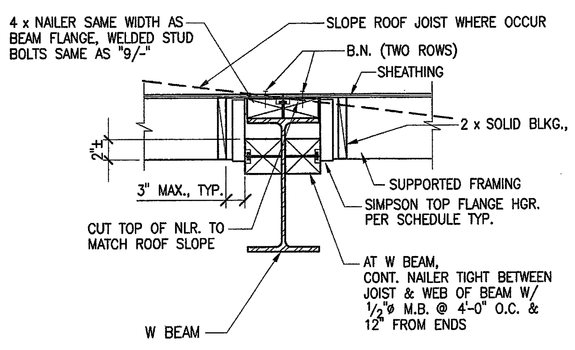
STUD WIDTH 2 x MIN.	STUD TO BEARING (SILL PLATE) STUD TO BOTT. OF DBL. PL. OR LOWER DBL. PL. TO TOP OF STUD	TOP PL. TO LOWER PL. (2-2 x PLS.) OR LOWER PL. TO UPPER PL. (2 x PL. TO 4 x UPPER PL.	SILL PLATE ANCHORING W/ 3/4"ø A.B.	REMARKS
6" STUDS	3-16d END NAILS OR 4-10d TOE NAILS *	16d @ 8"	AT 32" MAX.	* OR USE (1) SIMPSON 'A35'
8" STUDS	4-16d END NAILS OR 4-10d TOE NAILS *	16d @ 8"	AT 32" MAX.	* OR USE (1) SIMPSON 'A35'
10" STUDS	(1) SIMPSON 'A35'	2 ROWS 16d @ 8"	AT 24" MAX.	
12" STUDS	(1) SIMPSON 'A35'	2 ROWS 16d @ 8"	AT 16" MAX.	

(15)

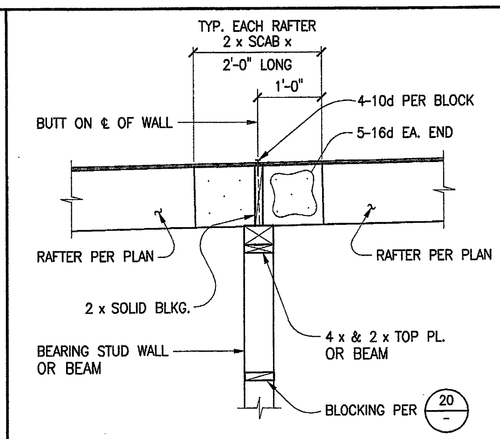
SUPPORTED FRAMING	TOP FLANGE HANGER TYPE U.N.O.
2 x	"LBV"
SKEWED 2 x	"W"
MULTIPLE JOIST	"WNP"
3 x AND LARGER	"W", "WNP"

NOTE:

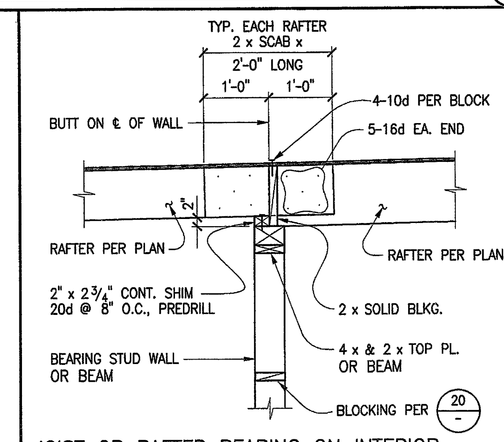
1. TOP FLANGE OF HANGER SHALL BE SLOPED TO MATCH ROOF SLOPE.
2. CUT BOTTOM OF SUPPORTED FRAMING FOR LEVEL BEARING ON HANGER.



WOOD JOIST/BEAM TO STEEL BEAM CONNECTION (16)



(17)



(18)

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9367

architect

MARTIN, CHOW & ALVARADO, INC.
CONSULTING STRUCTURAL ENGINEERS
3385-C ARMY AVE. COSTA MESA, CA. 92626
ph: 714.850.1973 fax: 714.850.1975
email: richard@mcmengineers.com
web: www.mcmengineers.com
MCN04022
NAVARRA 04/22

consultant

DEPARTMENT OF THE STATE ARCHITECT
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP. # 4-107979
FIELD OL
DATE SEP 2 9 2006

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 20489.00
file name: (S1-6.DWG)
drawn by: SD checked by: RAC
date: 4-10-06

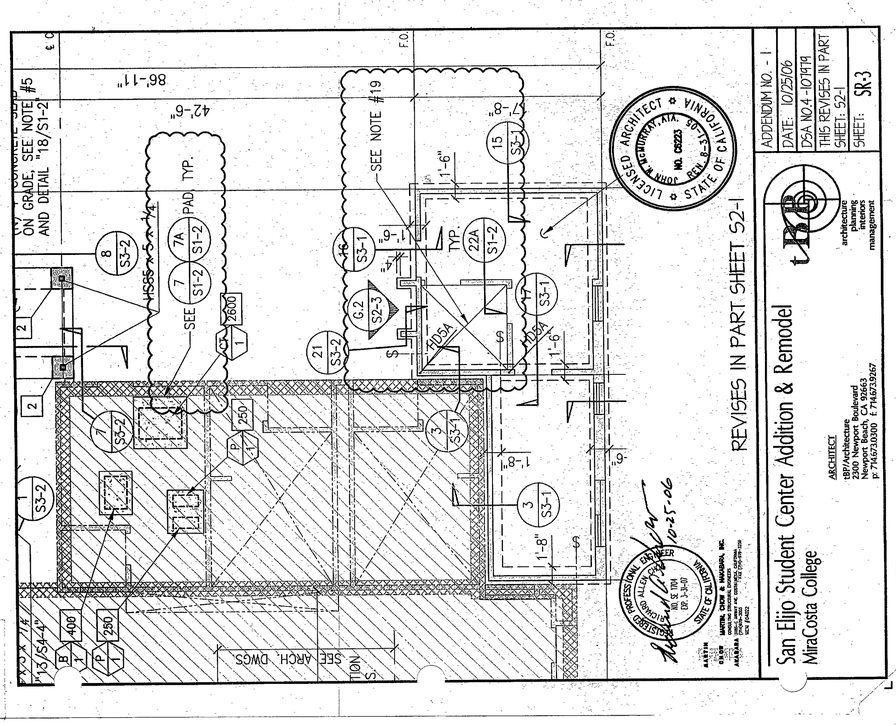
Rev:	date:	description:

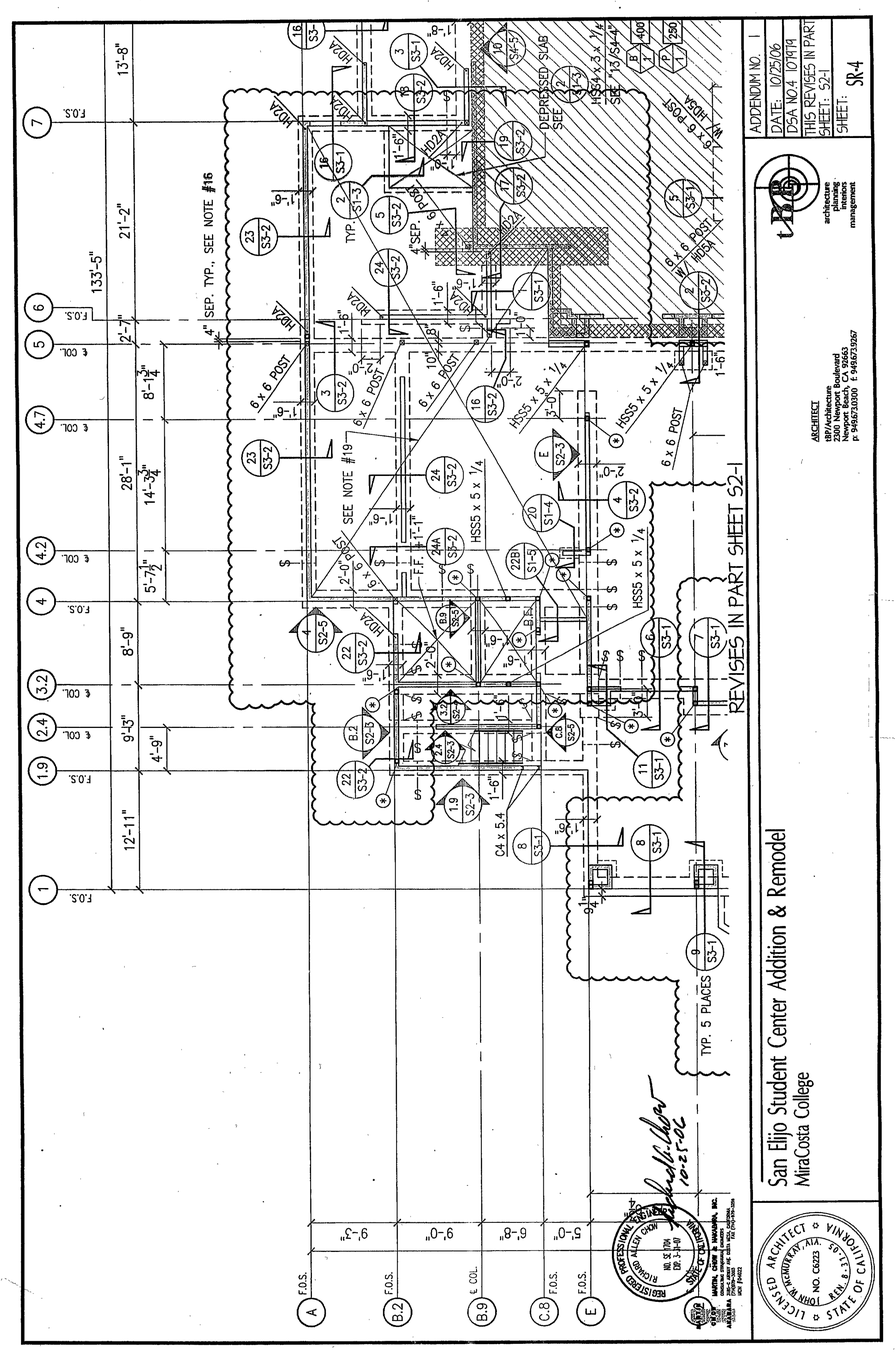
drawing title: TYPICAL DETAILS
building no:

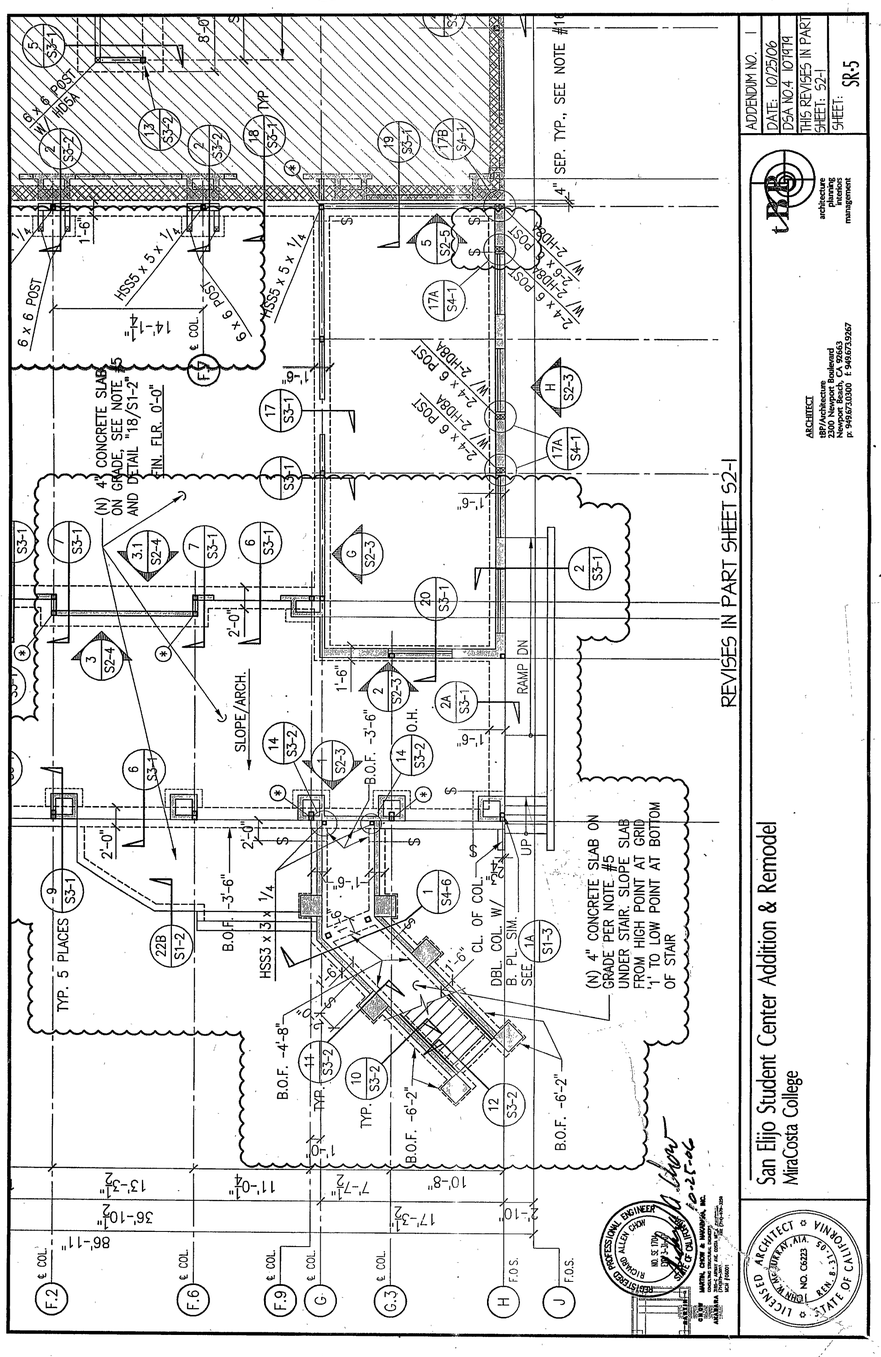
drawing no: S1-6
drawing 59 of 107

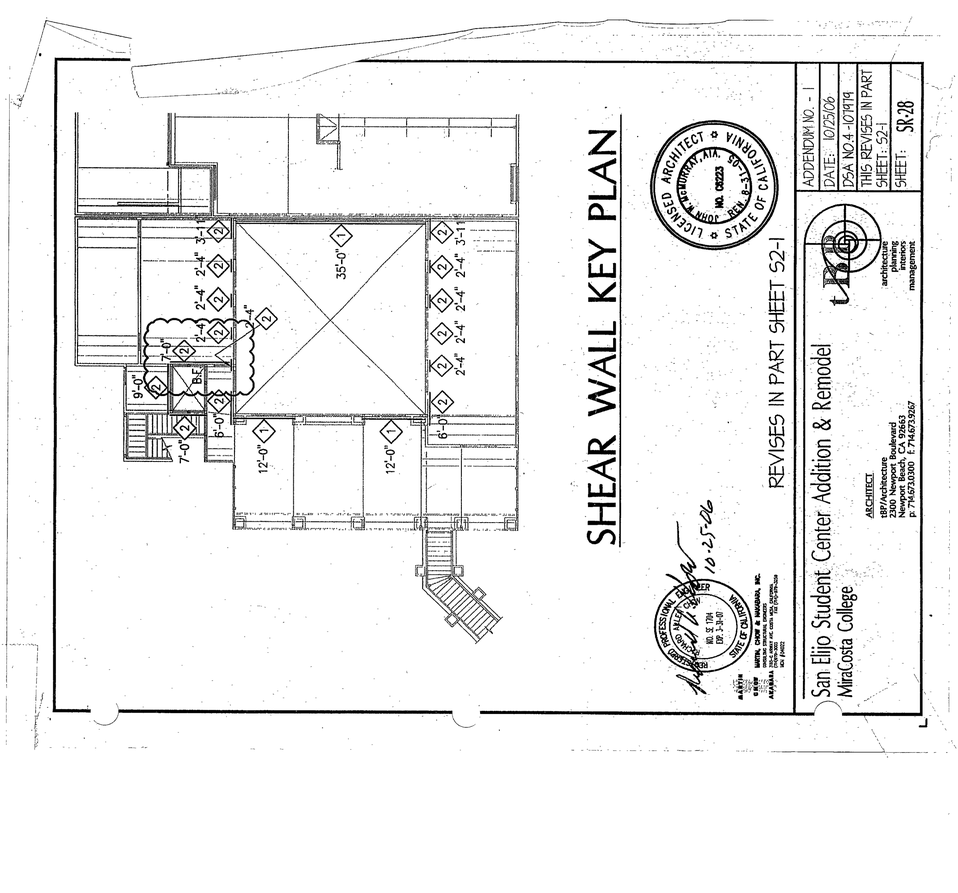
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

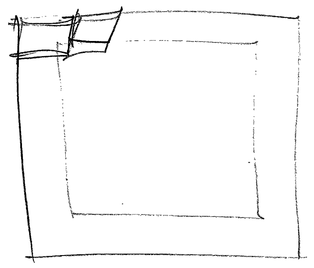
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

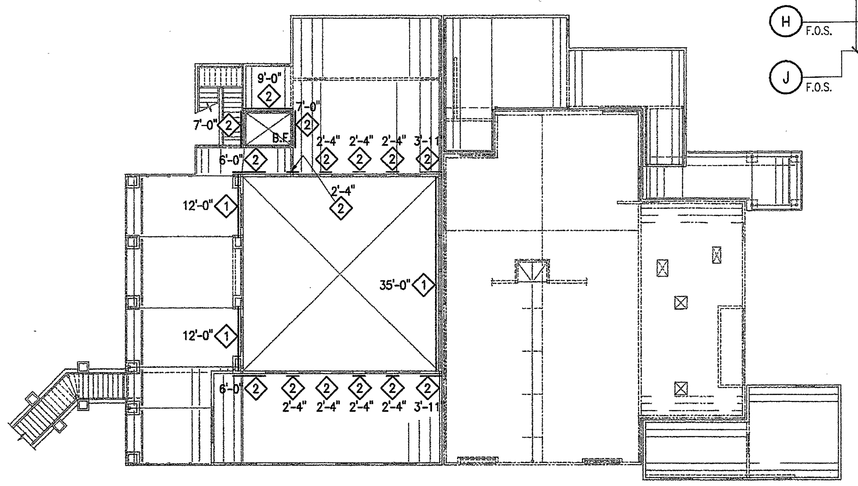




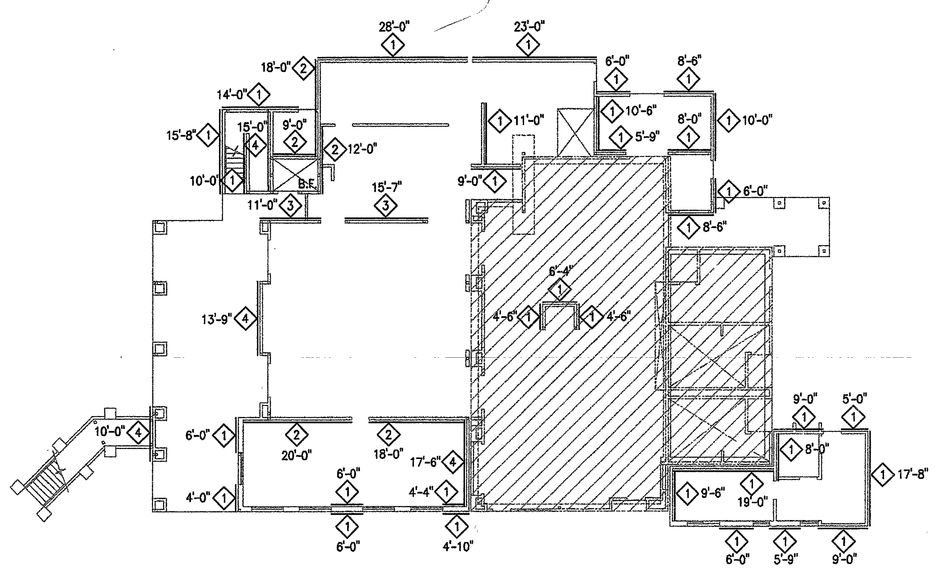




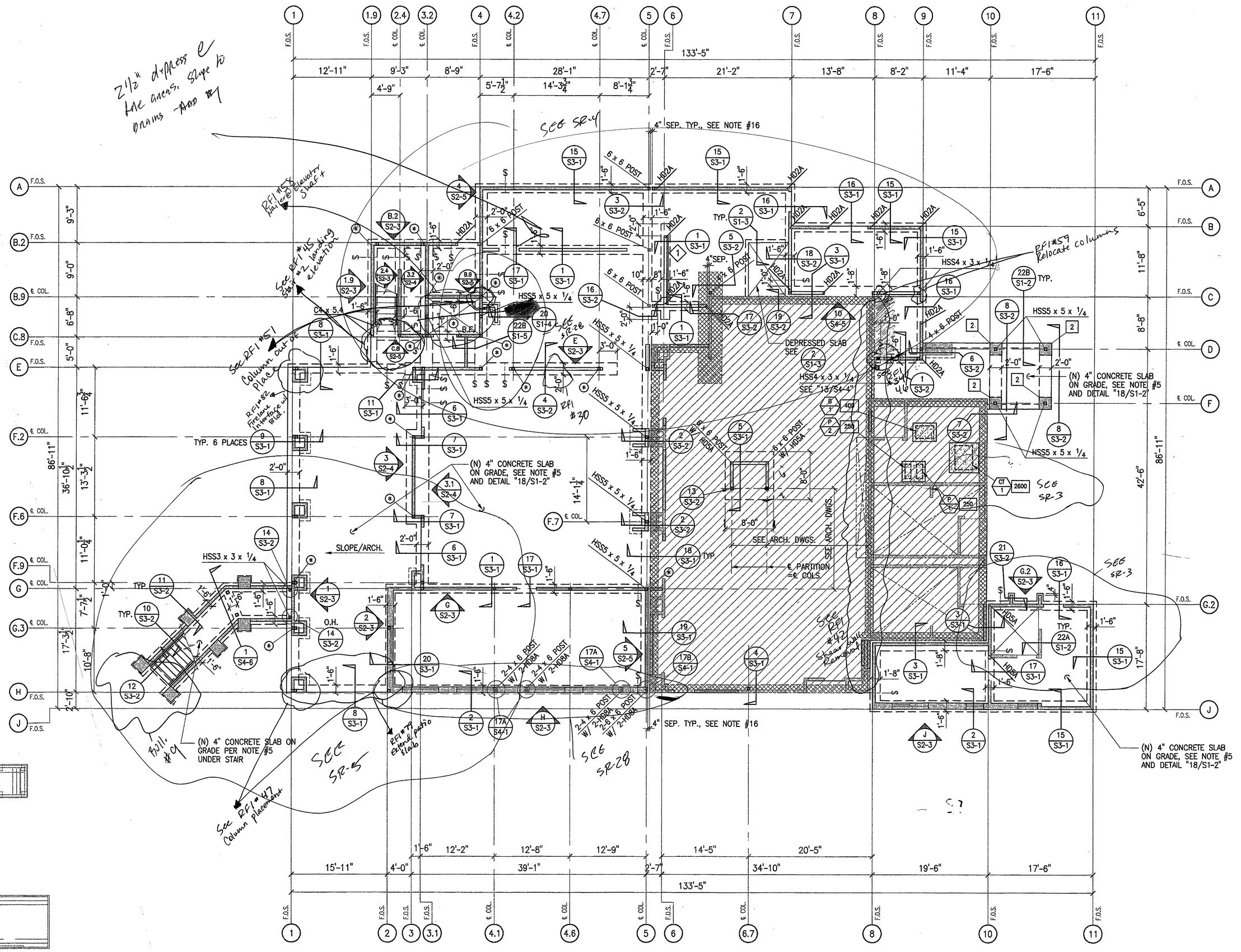




SHEAR WALL KEY PLAN - UPPER LEVEL



SHEAR WALL KEY PLAN - LOWER LEVEL



FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

DRAWING S2-1 NOTES AND LEGEND

1. INDICATES COLUMN. ALL COLUMNS SHALL BE HSS4 x 4 x ¼, UNLESS NOTED OTHERWISE.
   INDICATES PAD FOOTING SIZE PER SCHEDULE.
   INDICATES STEEL COLUMN WITH SPECIAL BASE PLATE AND ANCHOR BOLTS PER "1/S1-4".
2. CENTERLINE OF FOOTING = CENTERLINE OF COLUMN UNLESS NOTED OTHERWISE.
3. ALL STEEL COLUMNS IN WALLS SHALL HAVE A NAILER PER "8/S1-6".
4. ALL COLUMNS WITHIN WALL SHALL BE CENTERED ON WALL STUDS, U.N.O.
5. TYPICAL SLAB ON GRADE: 4" CONCRETE SLAB ON 4" PROTECTION COURSE ON GRADE, SEE SPECIFICATIONS. #4 @ 24" O.C. EA. WAY AT MID-DEPTH OF SLAB. SLOPE SLABS PER ARCHITECTURAL DRAWINGS. CONCRETE SLAB TO BE TIED TO EXISTING ADJACENT FOOTINGS/SLABS WITH #4 x 2'-0" DOWELS @ 18" O.C. IN 5/8"ø x 6" DEEP HOLES ANCHORED WITH EPOXY ADHESIVE.
6. ALL ± DIMENSIONS & EXISTING BUILDING DIMENSIONS SHALL BE FIELD VERIFIED.
7. 4'-0" — INDICATES PLYWOOD SHEAR PANEL AND LENGTH TO NEAREST 3", SEE ARCHITECTURAL DRAWINGS FOR ACTUAL LENGTH. SEE "15/S1-5". PROVIDE PLYWOOD SHEATHING (1) ON EXTERIOR FACE OF ALL EXTERIOR WALLS, U.N.O.
8. — INDICATES STUDS ARE 2 x 6 @ 16" O.C., U.N.O.
9. — INDICATES EXISTING STUD WALL
10. — INDICATES EXISTING FOOTING TO REMAIN.
11. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION OF EXISTNG.
12. ALL CONSTRUCTION IS NEW (N) UNLESS NOTED AS EXISTING (E).
13. — INDICATES STEPPED FOOTING. SEE "14/S1-2". NUMBER OF STEPS WILL VARY DEPENDING UPON ACTUAL CONDITIONS.
14. HD — INDICATES HOLDOWN ANCHOR . SEE DETAILS "9/S1-5" AND "15/S1-5" U.N.O.
15. — INDICATES CURB, SEE ARCHITECTURAL DRAWINGS, MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL CURBS NOT SHOWN ON STRUCTURAL PLAN.
16. NEW BUILDING IS STRUCTURALLY SEPARATED FROM EXISTING BUILDING ABOVE 1ST FLOOR SLAB. SEPARATION SHALL BE 4" MINIMUM CLEAR.
17. — INDICATES EXISTING 4" CONCRETE SLAB ON GRADE.
18. B.F. — INDICATES BRACED FRAME.
19. DEPRESS AND SLOPE SLAB ON GRADE FOR FLOOR FINISH AND DRAINS. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.

PAD FOOTING SCHEDULE

MARK	PAD FOOTING W	PAD FOOTING T	REINFORCING
1.5	1'-6" SQ.	1'-1"	2-#5 EA. WAY
2	2'-0" SQ.	1'-1"	2-#5 EA. WAY
2.5	2'-6" SQ.	1'-1"	3-#5 EA. WAY
3	3'-0" SQ.	1'-1"	3-#5 EA. WAY
3.5	3'-6" SQ.	1'-1"	4-#5 EA. WAY
4	4'-0" SQ.	1'-1"	4-#5 EA. WAY
4.5	4'-6" SQ.	1'-1"	4-#5 EA. WAY
5	5'-0" SQ.	1'-1"	5-#5 EA. WAY

tBP
architecture
planning
interiors
management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949/673.0300 fx: 949/673.9267
architect
MARTIN, CHOW & NAKABARA, INC.
CONSULTING STRUCTURAL ENGINEERS
1000 Quail Street, Suite 200, Newport Beach, CA 92660
Phone: 714.975.3000 FAX: 714.975.3030
email: mncnewport@mncstructures.com
CHOW MARTIN NAKABARA
04/22
consultant
DOMINICK STAMP
DIV. OF THE STATE ARCHITECT
APPL. #4-107979
DATE SEP 2 9 2006
Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858/674-5400 fx: 858/674-5471
agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 20489.00
file name: <S2-1.DWG>
drawn by: SD checked by: RAC
date: 4-10-06

Rev:	date:	description:

drawing title: building no:

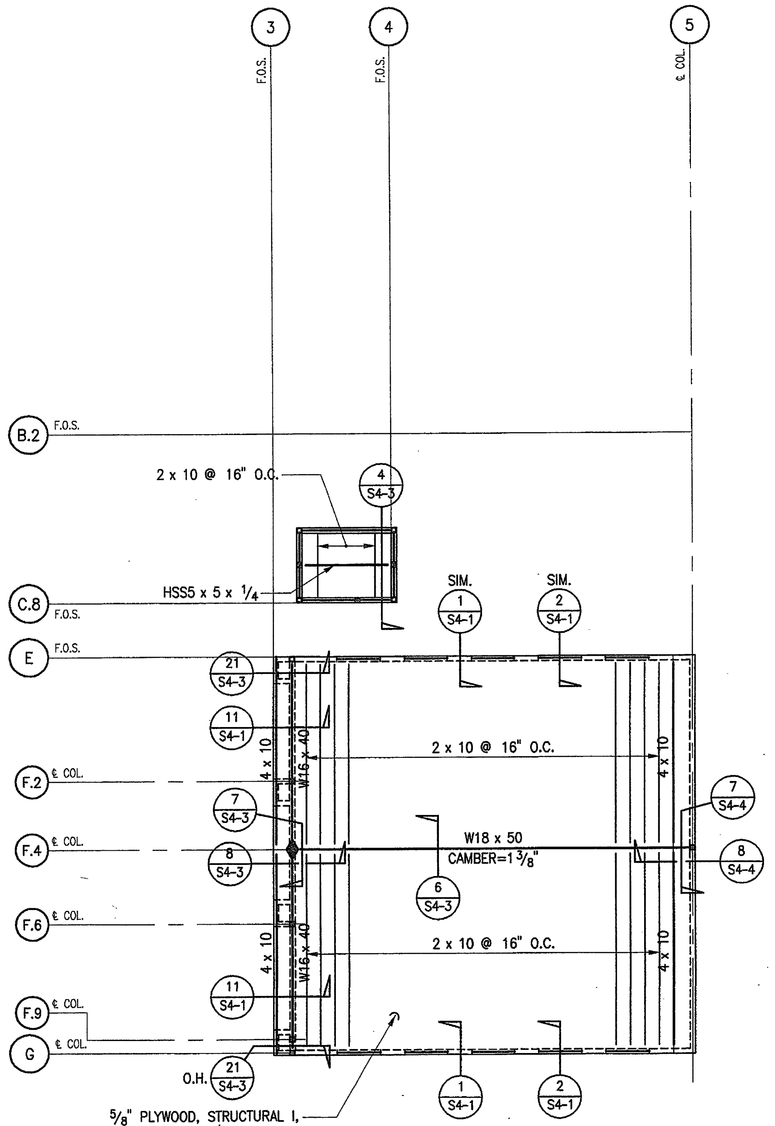
FOUNDATION PLAN

drawing no:

S2-1

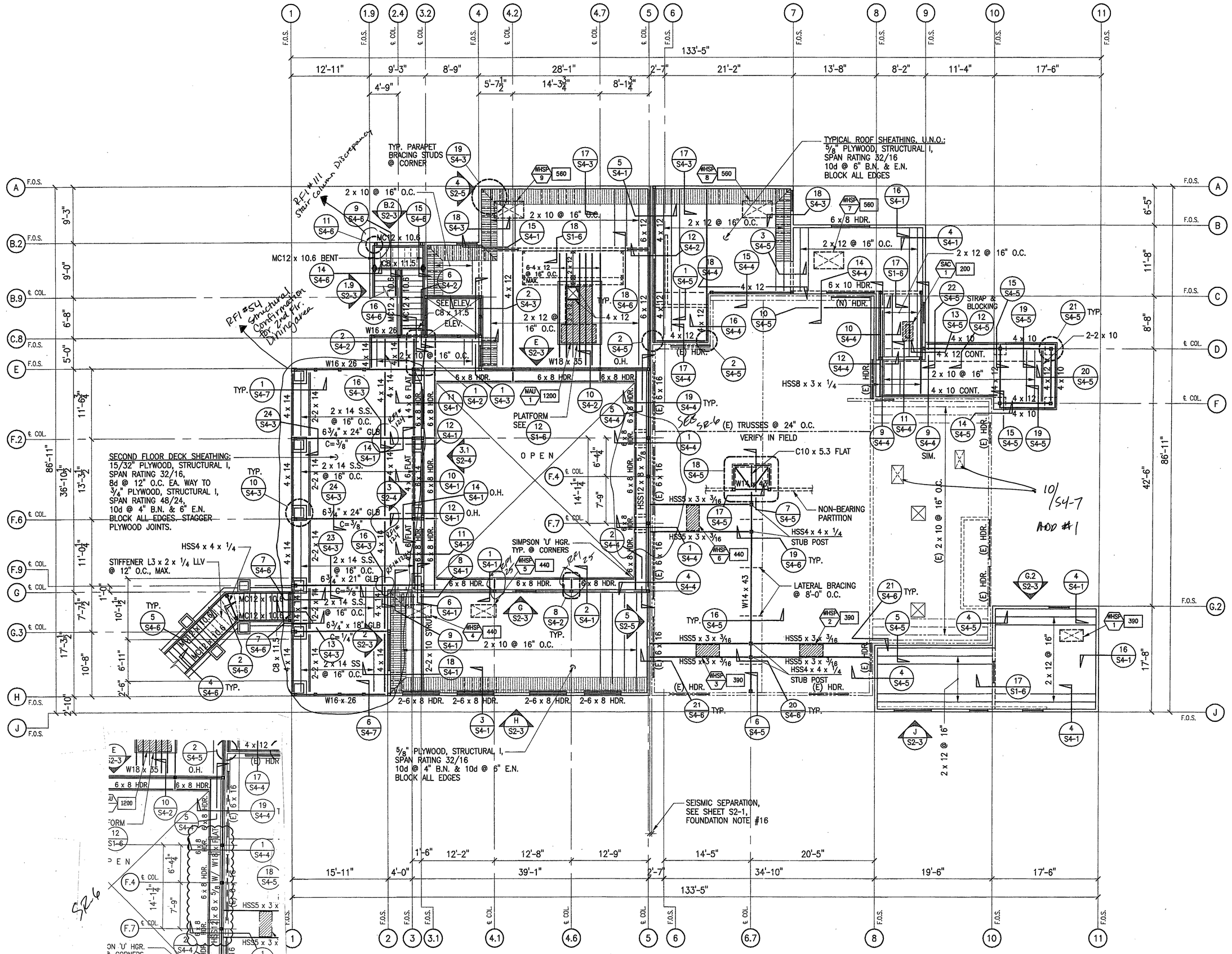
drawing 40 of 107

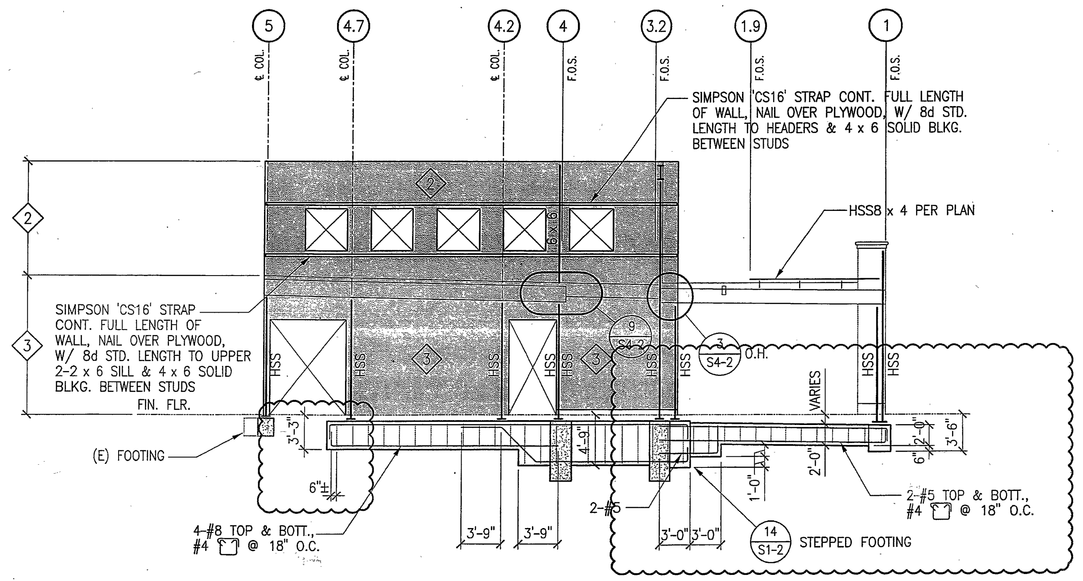
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



HIGH ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"


TYP. PARAPET BRACING STUDS @ CORNER
RFI #11 Shear column Discrepancy
2 x 10 @ 16" O.C.
2 x 12 @ 16" O.C.
MC12 x 10.6
MC12 x 10.6 BENT
C8 x 11.5
SEE ELEV. C8 x 11.5 ELEV.
W16 x 26
W18 x 55
RFI #54 Structural Confirmation for 2nd flr. Drawings
TYPICAL ROOF SHEATHING, U.N.O.: 5/8" PLYWOOD, STRUCTURAL I, SPAN RATING 32/16 10d @ 6" B.N. & E.N. BLOCK ALL EDGES
6 x 8 HDR.
6 x 12
4 x 12
6 x 16
6 x 8 HDR.
6 x 12 HDR.
6 x 16 HDR.
6 x 8 HDR.
6 x 8 HDR.
6 x 8



WALL ELEVATION - LINE (E)

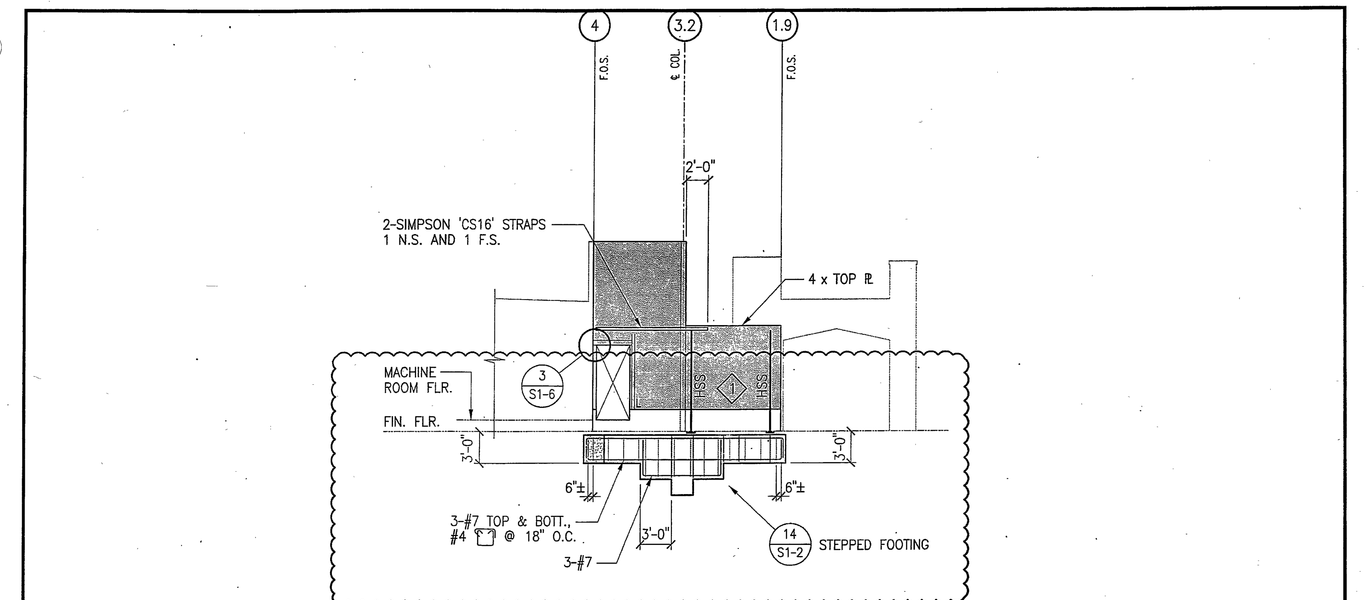
SCALE: 1/8"=1'-0"

REVISED ELEV. "E/S2-3"

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.0267

ADDENDUM NO. 1
DATE: 10/25/06
DSA NO:4 107979
THIS REVISES IN PART
SHEET: S2-3
SHEET: SR-19



WALL ELEVATION - LINE (B.2)

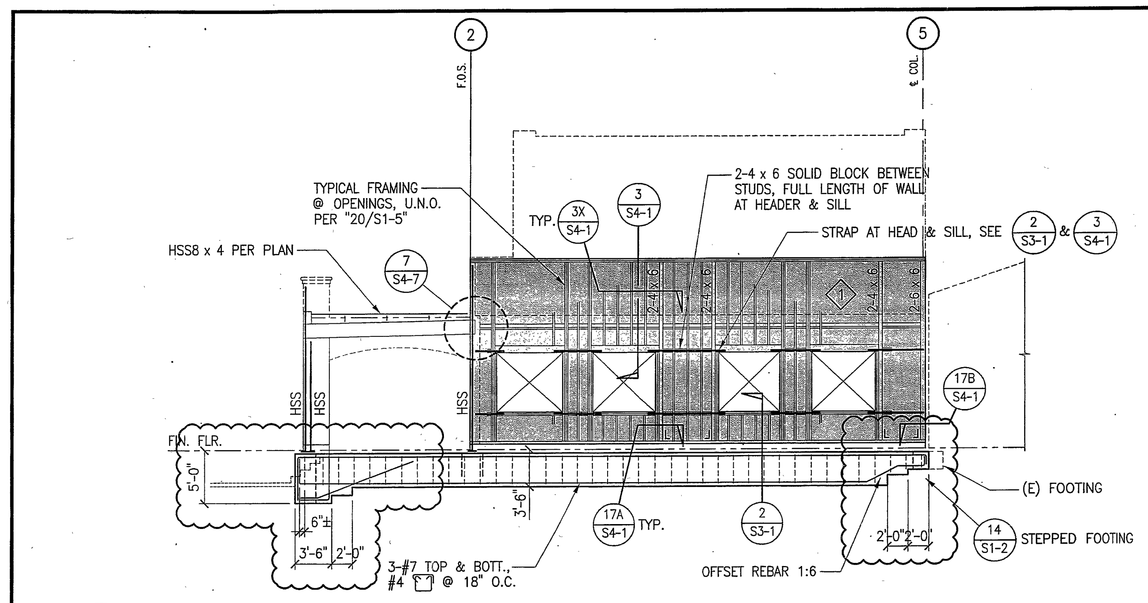
SCALE: 1/8"=1'-0"

REVISED ELEV. "B.2/S2-3"

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.0267

ADDENDUM NO. 1
DATE: 10/25/06
DSA NO:4 107979
THIS REVISES IN PART
SHEET: S2-3
SHEET: SR-18



WALL ELEVATION - LINE (H)

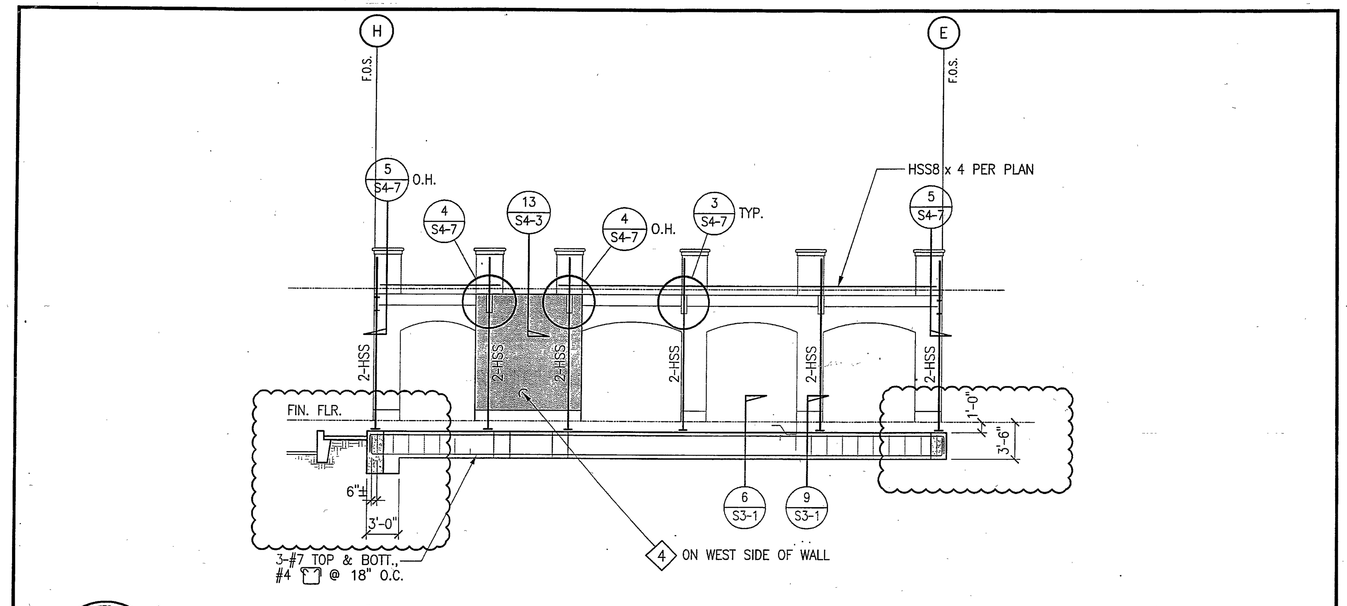
SCALE: 1/8"=1'-0"

REVISED ELEV. "H/S2-3"

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.0267

ADDENDUM NO. 1
DATE: 10/25/06
DSA NO:4 107979
THIS REVISES IN PART
SHEET: S2-3
SHEET: SR-34



WALL ELEVATION - LINE (1)

SCALE: 1/8"=1'-0"

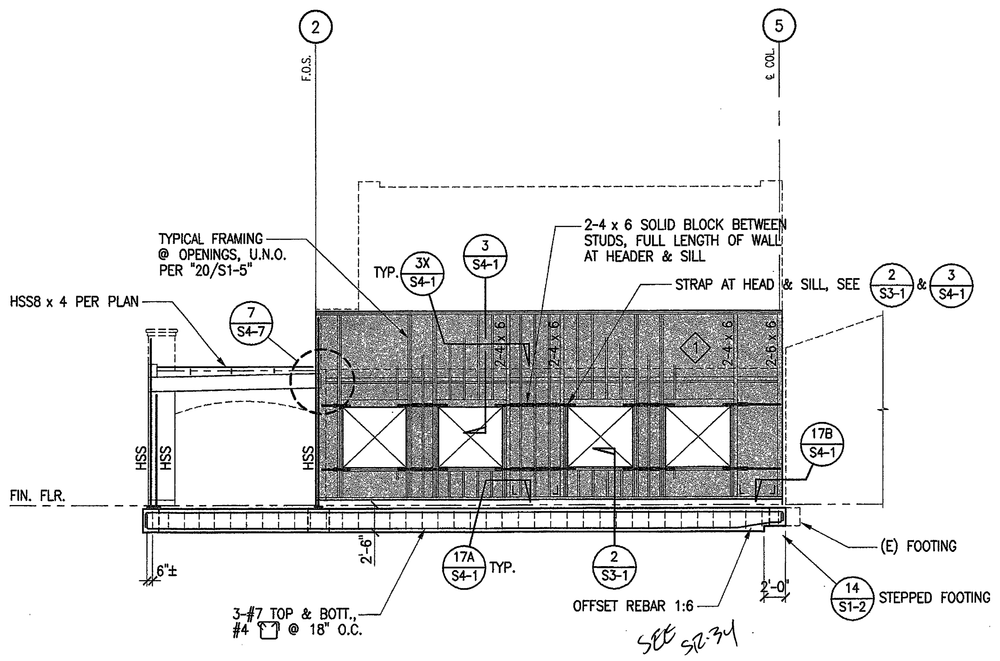
REVISED ELEV. "1/S2-3"

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.0267

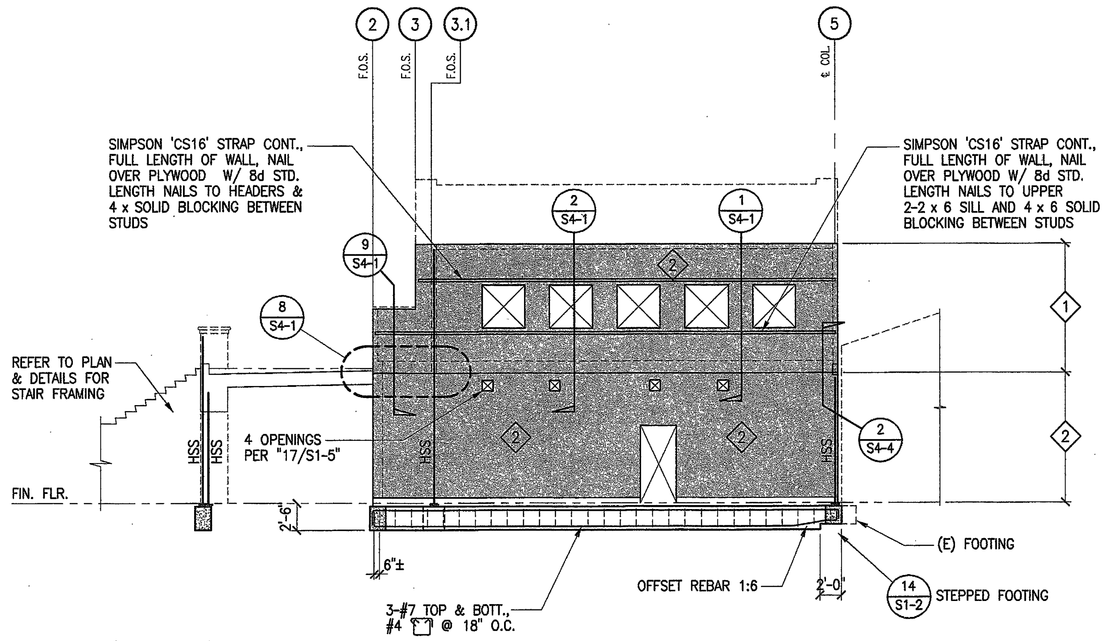
ADDENDUM NO. 1
DATE: 10/25/06
DSA NO:4 107979
THIS REVISES IN PART
SHEET: S2-3
SHEET: SR-17

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



WALL ELEVATION - LINE (H)

SCALE: 1/8"=1'-0"

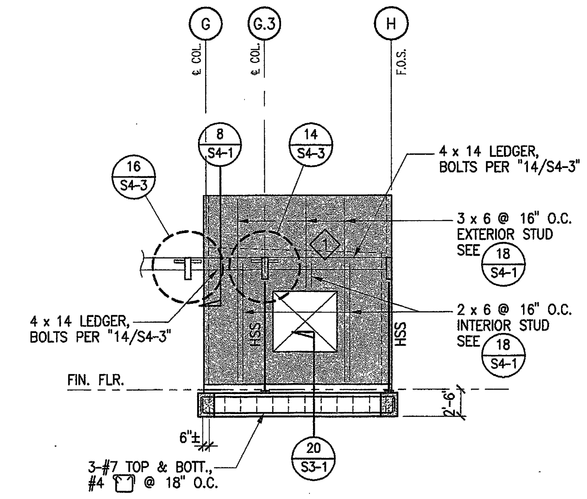


WALL ELEVATION - LINE (G)

SCALE: 1/8"=1'-0"

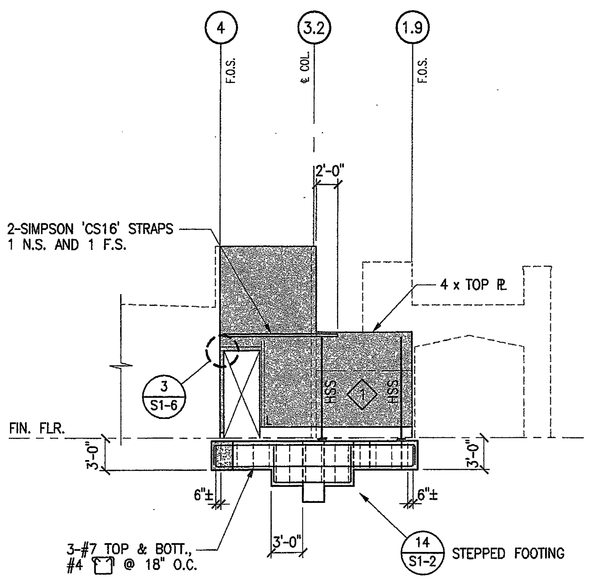
DRAWING S2-3 NOTES & LEGEND:

1. SHADING ON WALL ELEVATIONS INDICATES PLYWOOD SHEATING. REFER TO DETAILS FOR DETAILS AT EDGES.
2. ◇ —— INDICATES SHEAR WALL MARK, SEE "15/S1-5".
3. HSS —— INDICATES COLUMNS. SEE PLAN FOR SIZE.



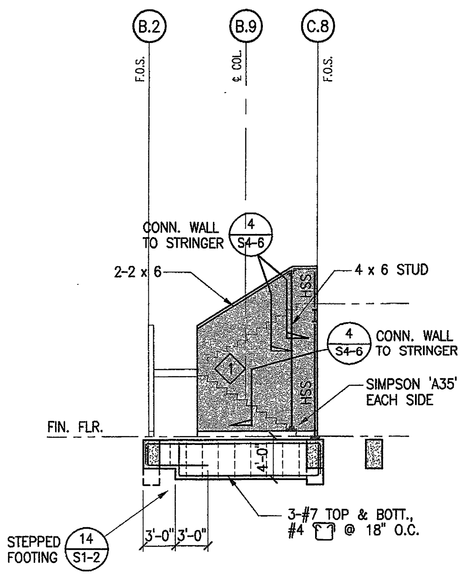
WALL ELEVATION - LINE (2)

SCALE: 1/8"=1'-0"



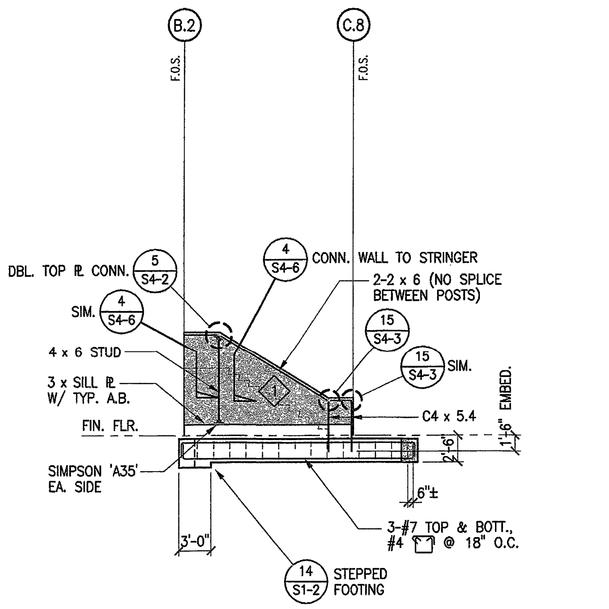
WALL ELEVATION - LINE (B.2)

SCALE: 1/8"=1'-0"



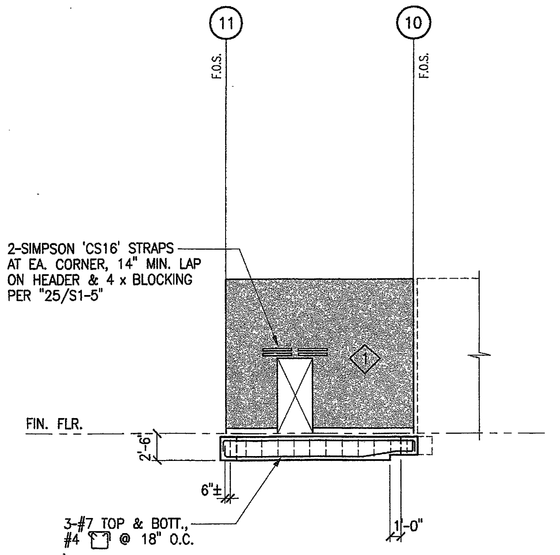
WALL ELEVATION - LINE (2.4)

SCALE: 1/8"=1'-0"



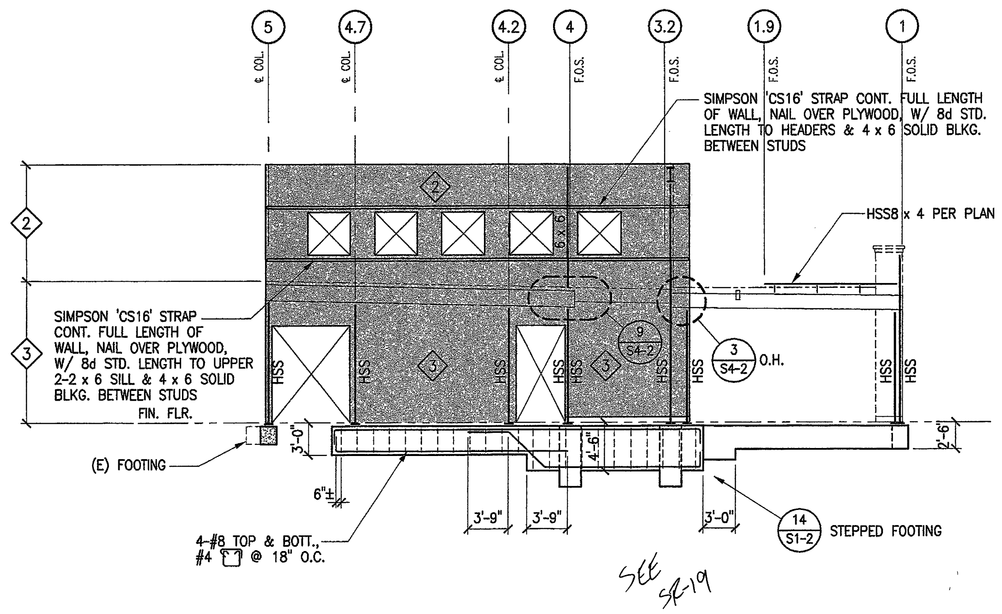
WALL ELEVATION - LINE (1.9)

SCALE: 1/8"=1'-0"



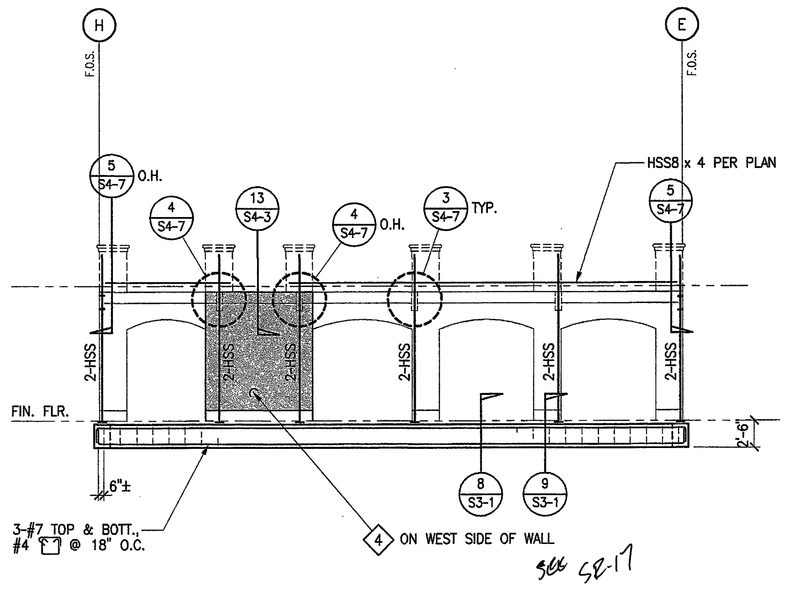
WALL ELEVATION - LINE (G.2)

SCALE: 1/8"=1'-0"



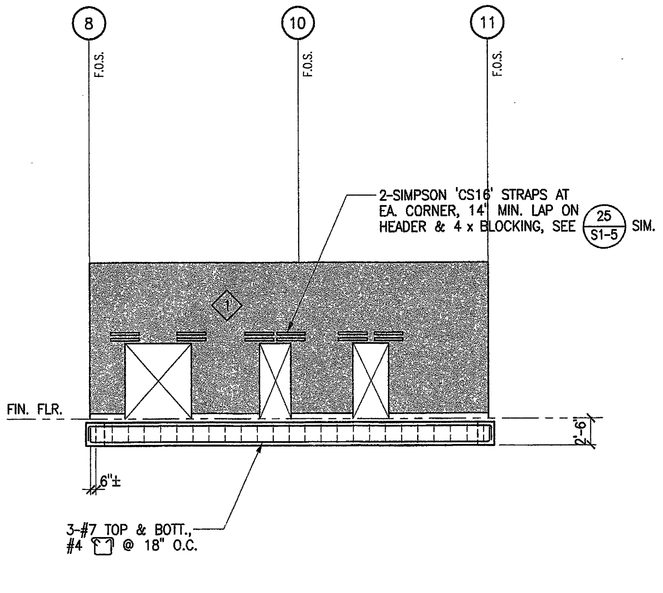
WALL ELEVATION - LINE (E)

SCALE: 1/8"=1'-0"



WALL ELEVATION - LINE (1)

SCALE: 1/8"=1'-0"



WALL ELEVATION - LINE (J)

SCALE: 1/8"=1'-0"

tBP
architecture
planning
interiors
management

dBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

MARTIN, CHOW & NAVABARA, INC.
CONSULTING STRUCTURAL ENGINEERS
1990 S. Bundy Drive, Suite 705, Los Angeles, CA 90025
Tel: 310.473.3200 Fax: 310.473.3209
e-mail: mcn@mcnengineers.com
web: www.mcnengineers.com

MCN04022
CHECKED BY: R.A.C.
MARTIN
CHOW
NAVABARA
04/22

consultant

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP. # 4-107979
AC. RS SS DL
DATE SEP 29 2006

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 20489.00
file name: <ELEVS.DWG>
drawn by: SD checked by: RAC
date: 4-10-06

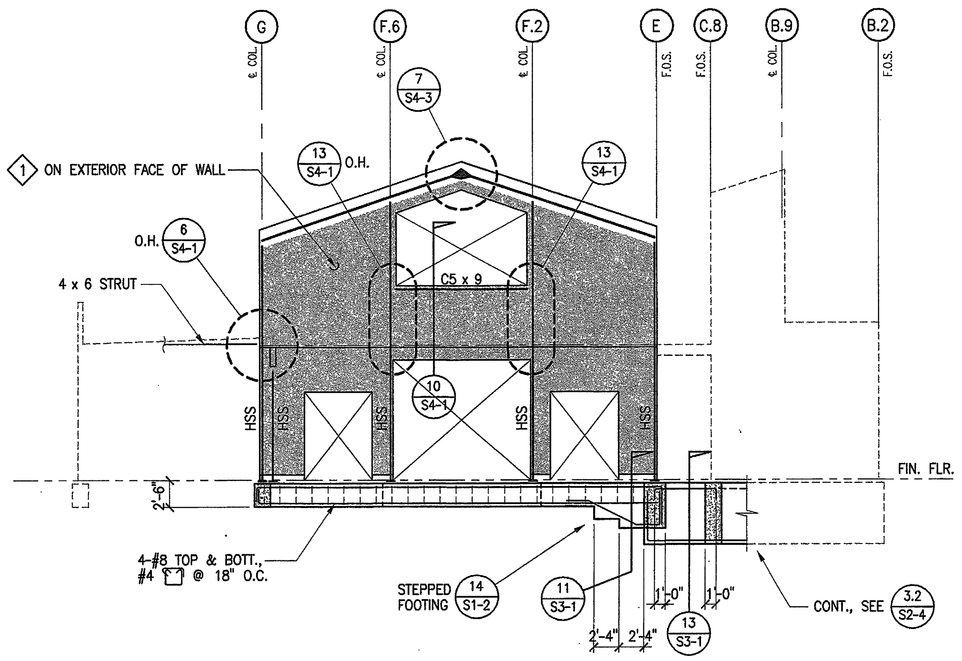
Rev.	date:	description:

drawing title: building no:

WALL ELEVATIONS

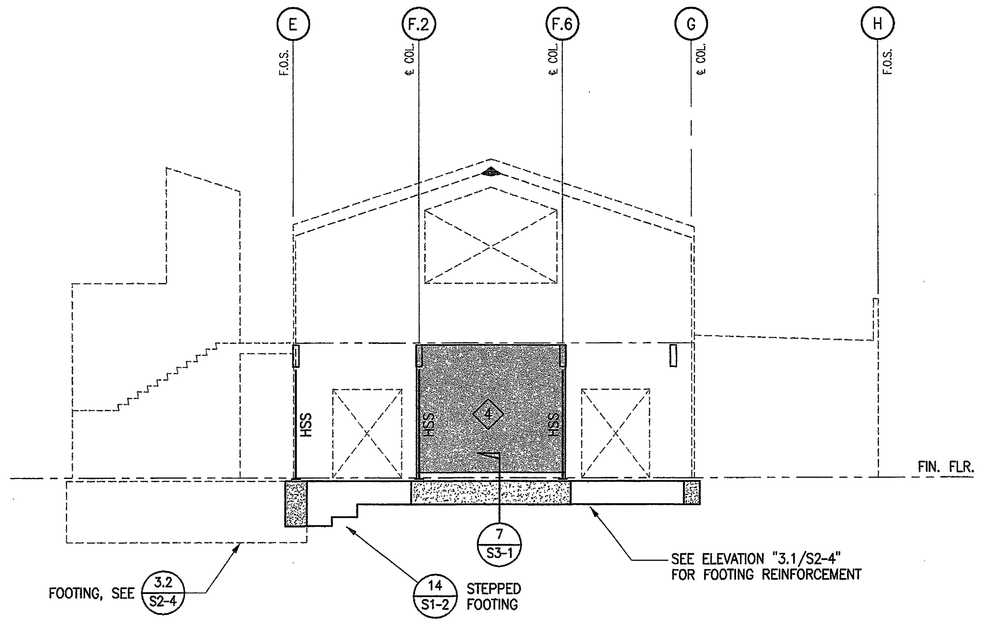
drawing no:
S2-3
drawing 62 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



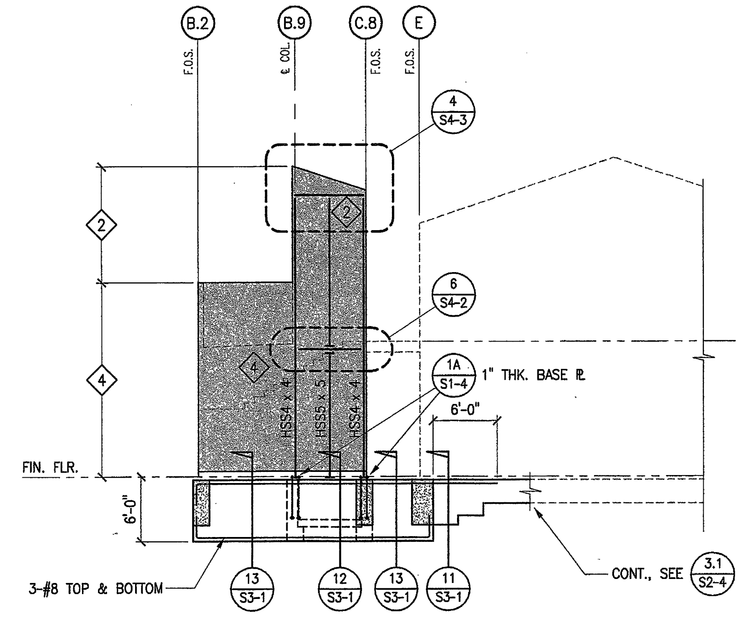
WALL ELEVATION - LINE 3.1

SCALE: 1/8"=1'-0"



WALL ELEVATION - LINE 3

SCALE: 1/8"=1'-0"



WALL ELEVATION - LINE 3.2

SCALE: 1/8"=1'-0"

DRAWING S2-4 NOTES & LEGEND:

1. SHADING ON WALL ELEVATIONS INDICATES PLYWOOD SHEATING. REFER TO DETAILS FOR DETAILS AT EDGES.
2. ◇ —— INDICATES SHEAR WALL MARK, SEE "15/S1-5".
3. HSS —— INDICATES COLUMNS. SEE PLAN FOR SIZE.

tBP
architecture
planning
interiors
management

dBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949/673030 fx: 949/673967

architect

MARTIN, CHOW & NAKABARA, INC.
CONSULTING STRUCTURAL ENGINEERS
2031 S. Sepulveda Blvd., Suite 205
Los Angeles, CA 90025
Tel: 310.479.3003
Fax: 310.479.3009
e-mail: info@martinchow.com
website: www.martinchow.com

consultant

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGIONAL SERVICES
APP. #4-107979
AC BS SS DL
DATE SEP 29 2006

San Elijo Student Center
MiraCosta College

MiraCosta College • San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

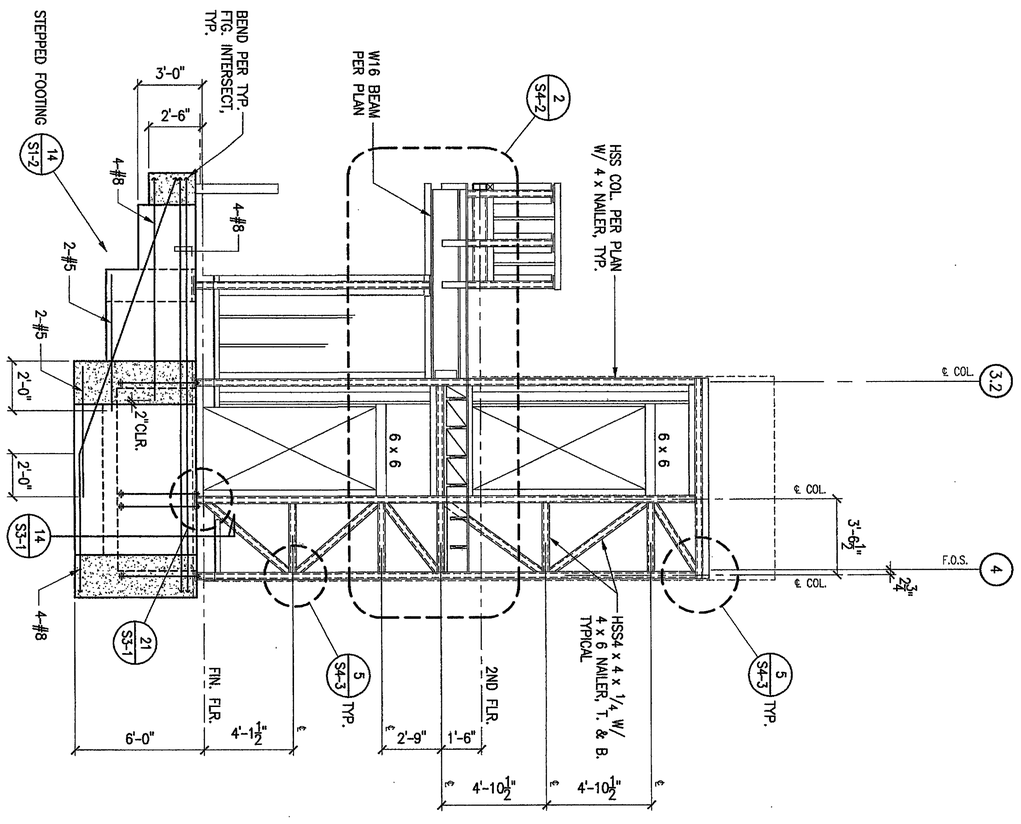
tBP project number : 20489.00
file name: <S2-4.DWG>
drawn by: SD checked by: RAC
date: 4-10-06

Rev:	date:	description:

drawing title: WALL ELEVATIONS
building no:

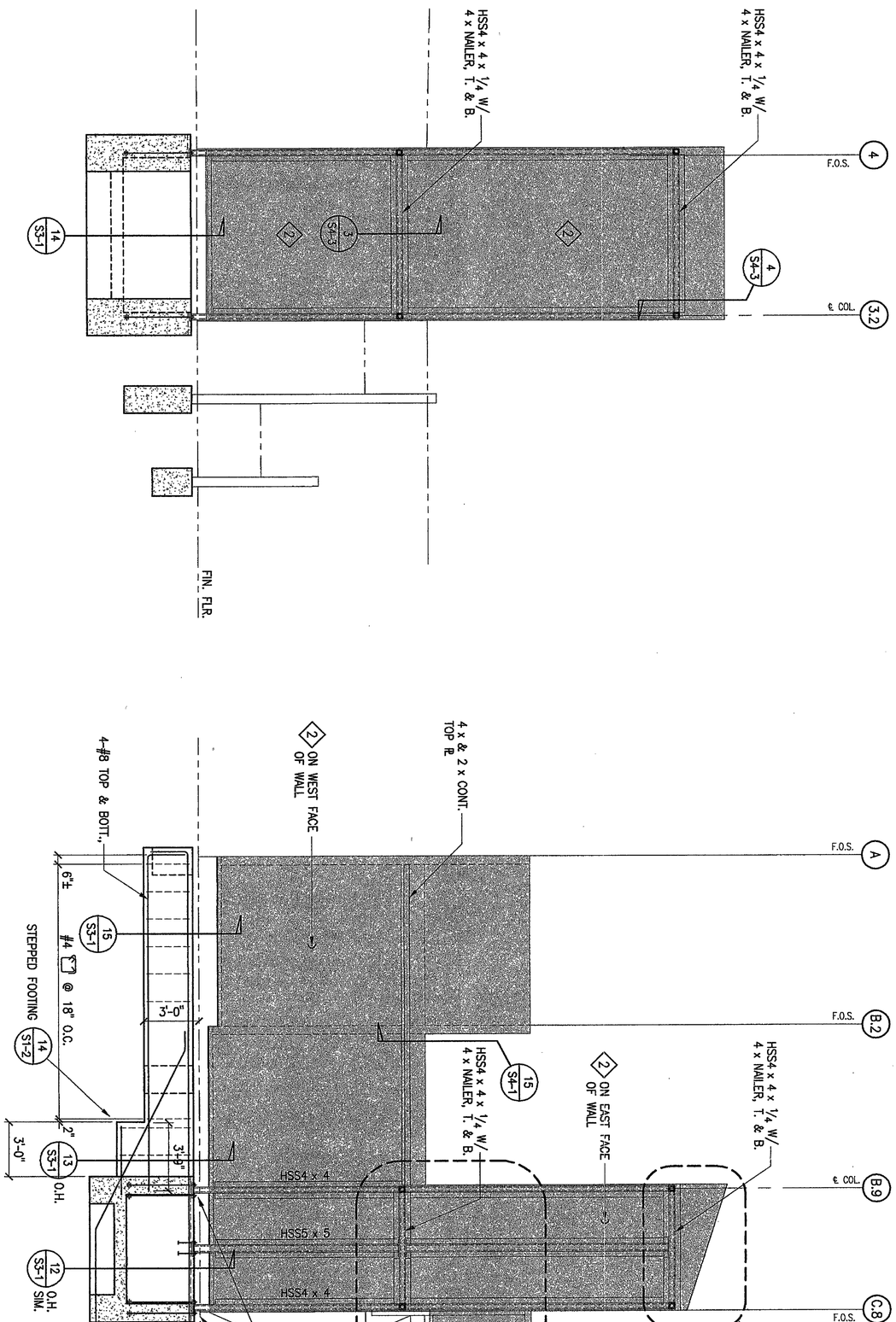
drawing no: S2-4
drawing 63 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



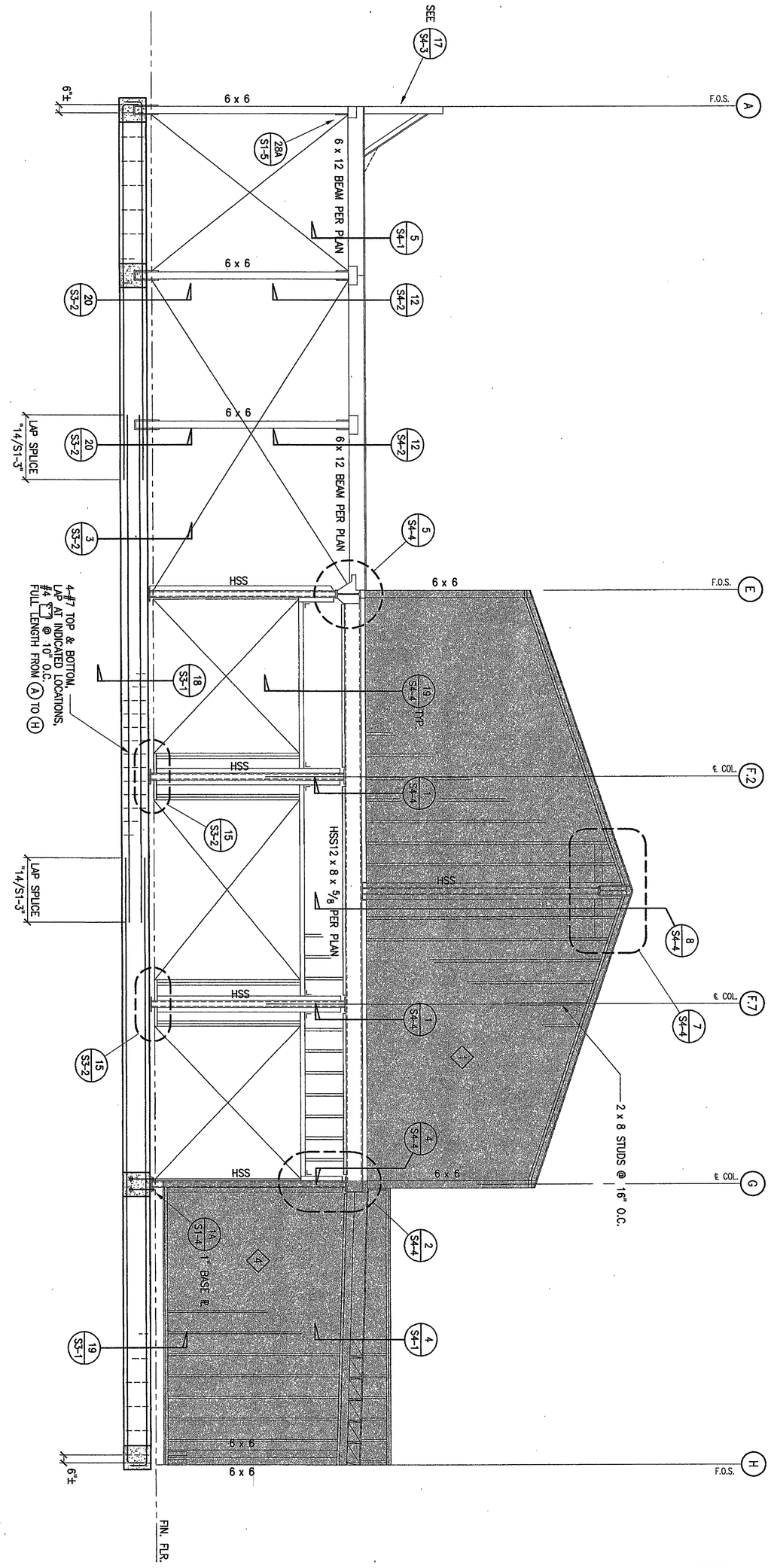
WALL ELEVATION - LINE (C.8)

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



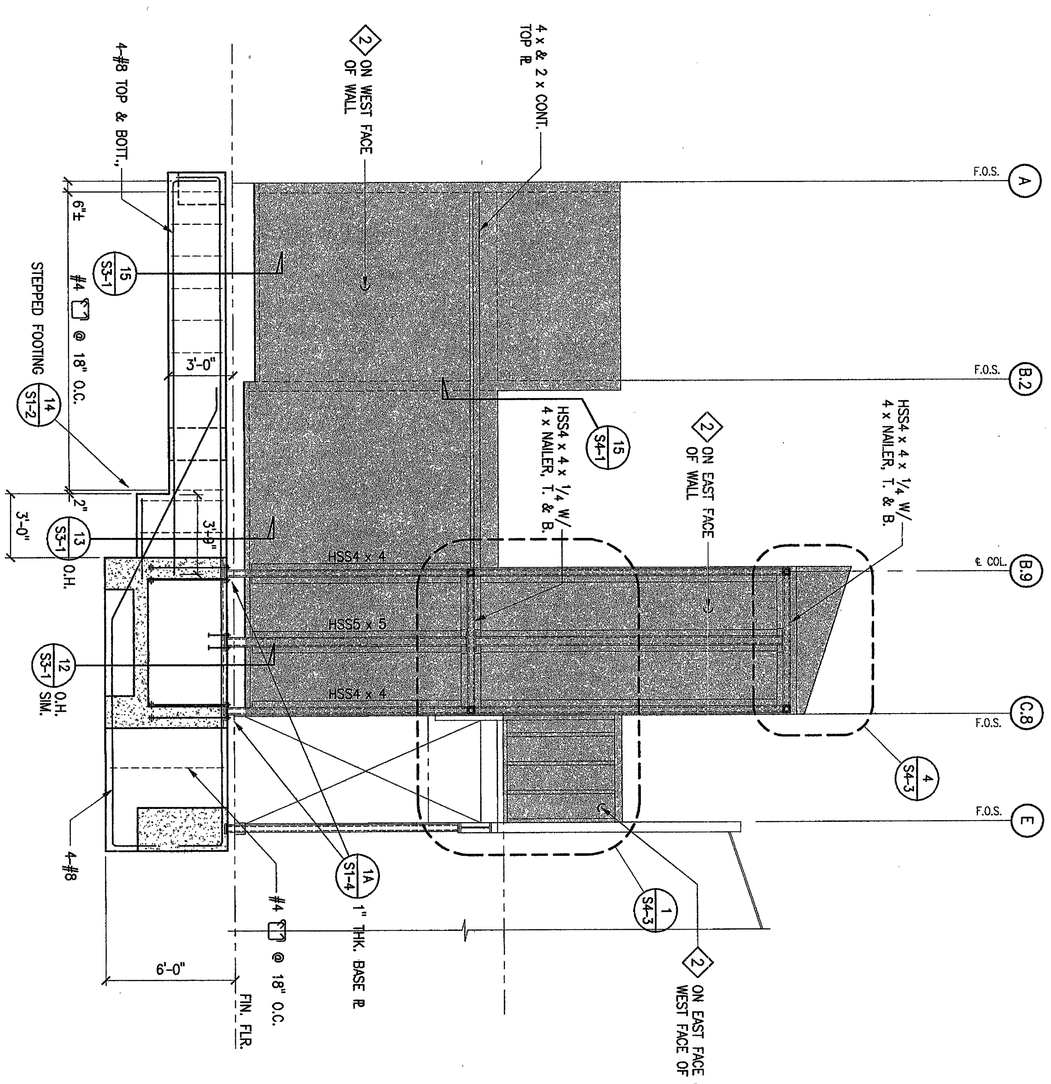
WALL ELEVATION - LINE (B.9)

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



WALL ELEVATION - LINE (5)

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



WALL ELEVATION - LINE (4)

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

DRAWING S2-5 NOTES & LEGEND:

1. SHADING ON WALL ELEVATIONS INDICATES PLYWOOD SHEATING. REFER TO DETAILS FOR DETAILS AT EDGES.
2. ◇- —— INDICATES SHEAR WALL MARK, SEE "15/S1-5".
3. HSS —— INDICATES COLUMNS. SEE PLAN FOR SIZE.

San Elijo Student Center
MiraCosta College

MiraCosta College - San Alijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

tBP project number: 2048.00
file name: (S2-5.DWG)
drawn by: SD checked by: RAC
date: 4-10-06
Rev: date: description:
drawing title: WALL ELEVATIONS
building no:
drawing no: S2-5
drawing 64 of 107

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL #4-107979
AC. FLS SS DL
DATE SEP 29 2006

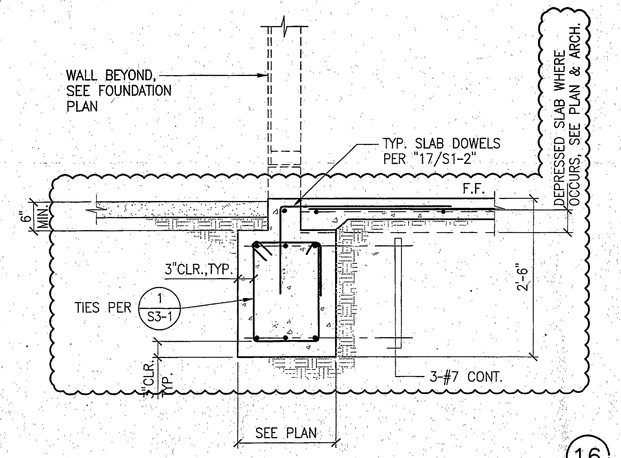
agency: Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471

consultant: MCN04022
MARTIN CHOW NAKABARA 04022
MARTIN, CHOW & NAKABARA, INC.
CONSULTING STRUCTURAL ENGINEERS
3185-C AIRWAY AVE. COSTA MESA, CA. 92626
Voice: 714.979.3003 FAX: 714.979.3259
email: richardc@mcnengineers.com
web: www.mcnengineers.com

architect: tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

tBP
architecture
planning
interiors
management

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



16

REVISED DETAIL "16/S3-1"

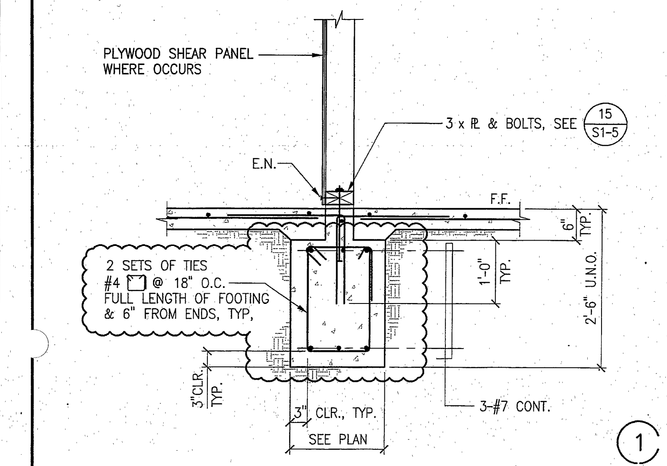
REVISES IN PART SHEET S3-1

San Elijo Student Center Addition & Remodel
MiraCostA College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 9496730300 f: 9496735267

architecture/ planning interiors management

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107479	
THIS REVISES IN PART SHEET:	S3-1
SHEET:	SR-13



1

REVISED DETAIL "1/S3-1"

NOTE: PROVIDE SIMILAR TIES AT THE FOLLOWING DETAILS ALSO:
15, 16, 17 & 20 ON SHT. S3-1
1, & 4 ON SHT. S3-2

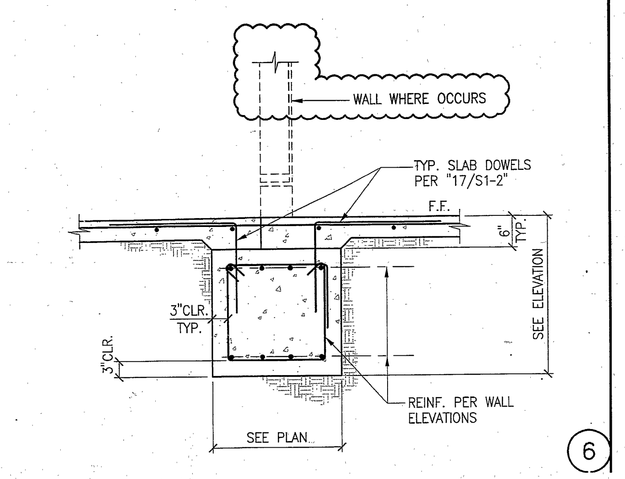
REVISES IN PART SHEET S3-1

San Elijo Student Center Addition & Remodel
MiraCostA College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 9496730300 f: 9496735267

architecture/ planning interiors management

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107479	
THIS REVISES IN PART SHEET:	S3-1
SHEET:	SR-11



6

REVISED DETAIL "6/S3-1"

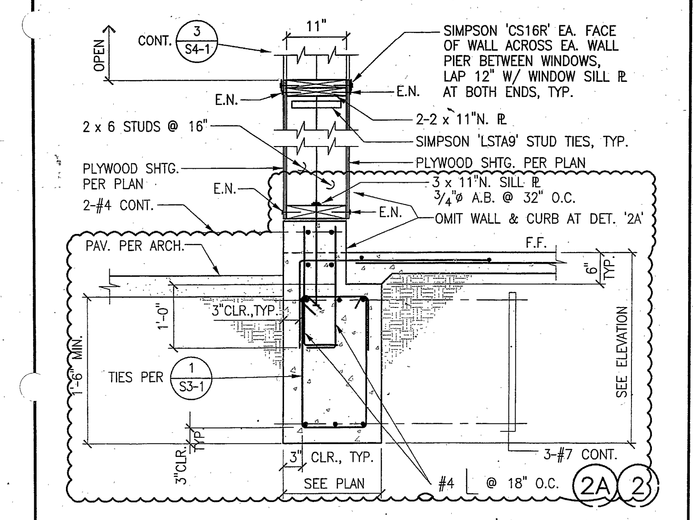
REVISES IN PART SHEET S3-1

San Elijo Student Center Addition & Remodel
MiraCostA College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 9496730300 f: 9496735267

architecture/ planning interiors management

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107479	
THIS REVISES IN PART SHEET:	S3-1
SHEET:	SR-8



2A 2

REVISED DETAIL "2/S3-1"

REVISES IN PART SHEET S3-1

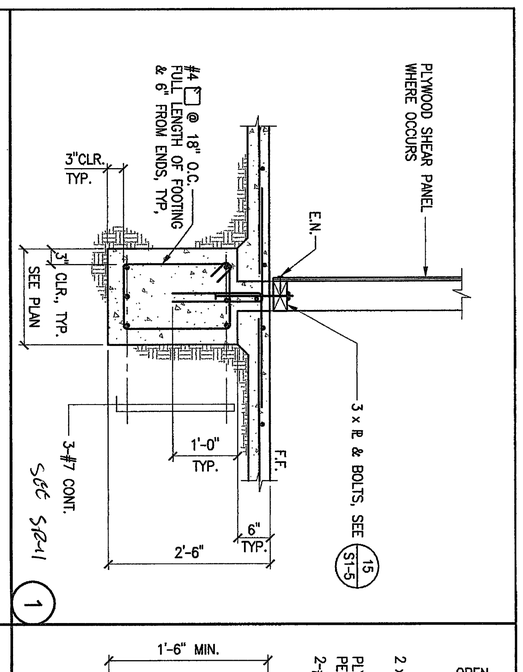
San Elijo Student Center Addition & Remodel
MiraCostA College

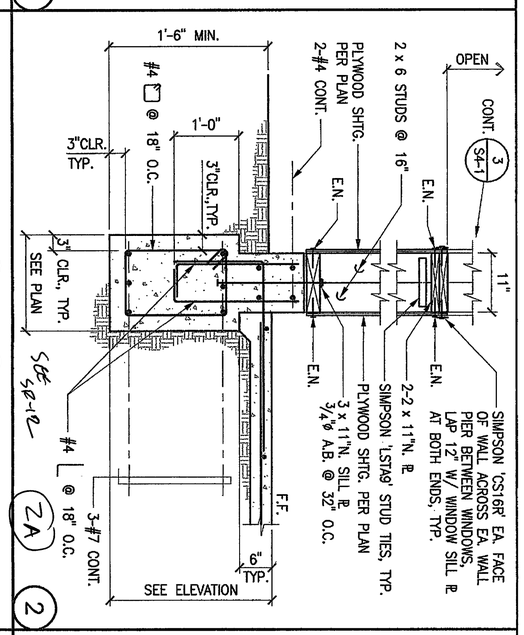
ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 9496730300 f: 9496735267

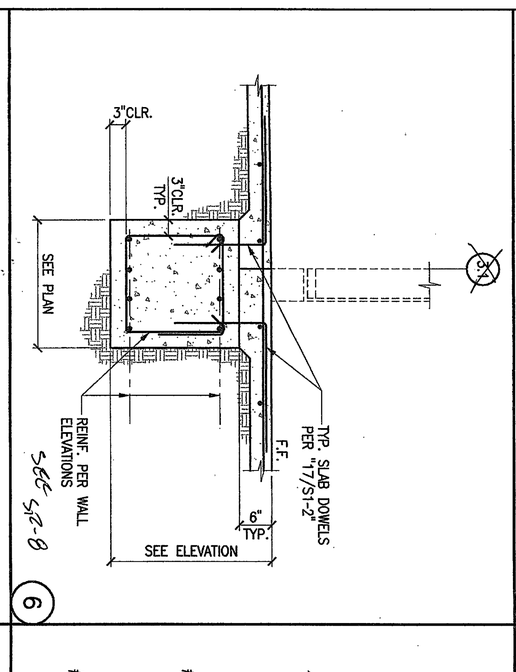
architecture/ planning interiors management

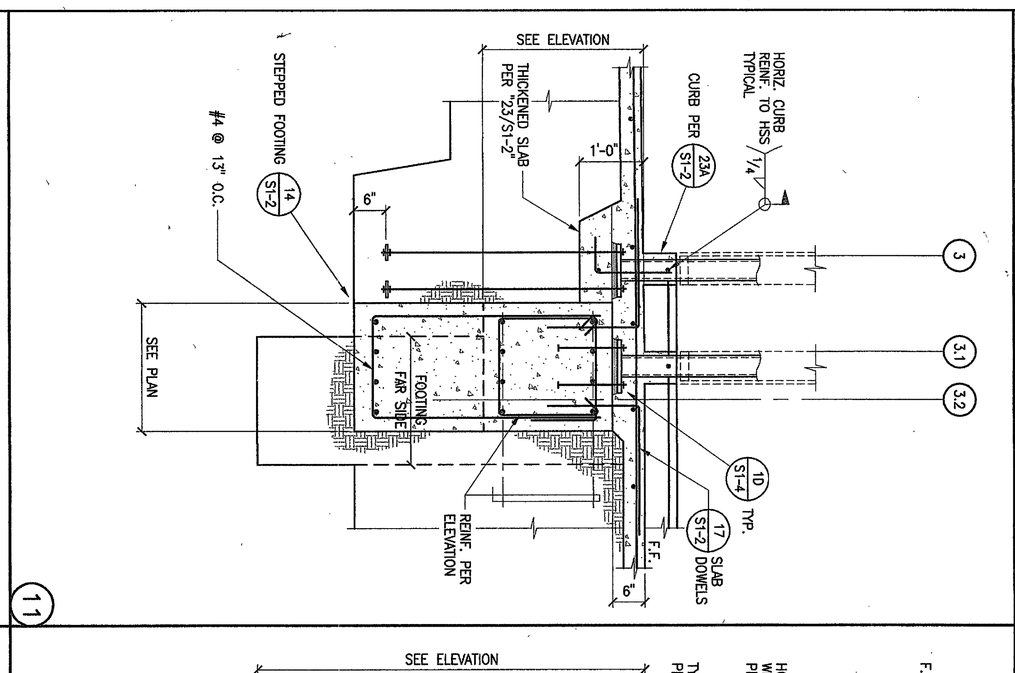
ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107479	
THIS REVISES IN PART SHEET:	S3-1
SHEET:	SR-12

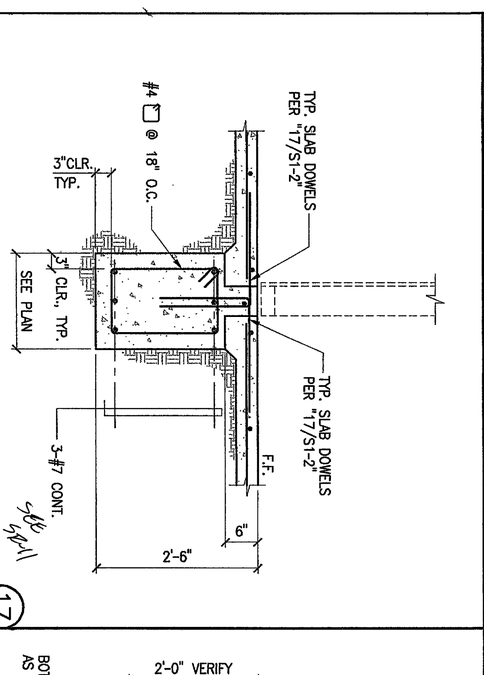
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020
Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

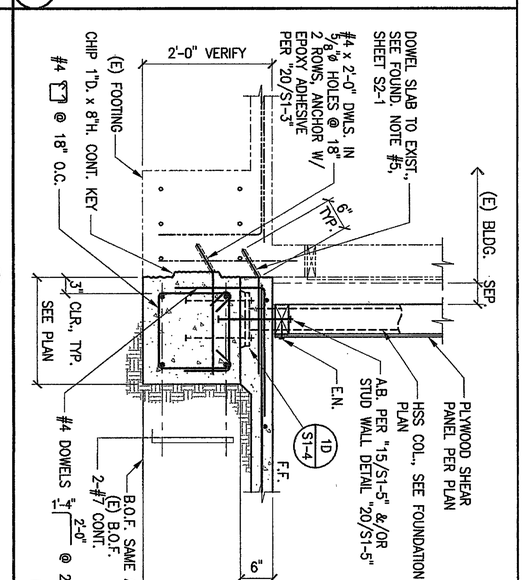


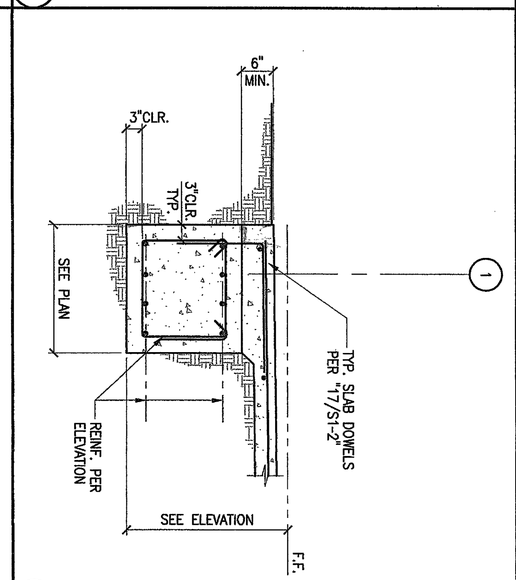


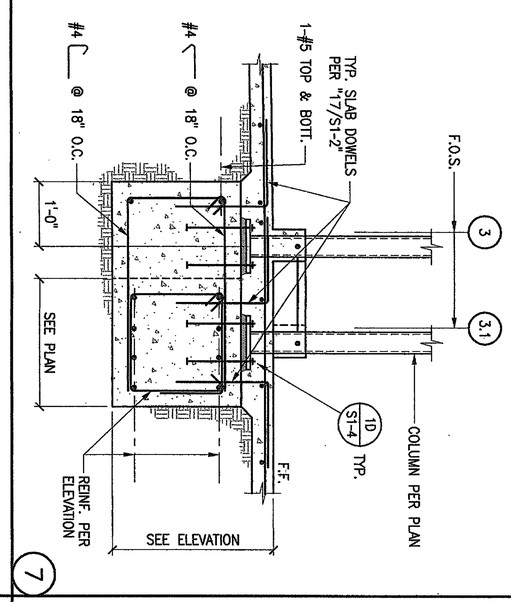


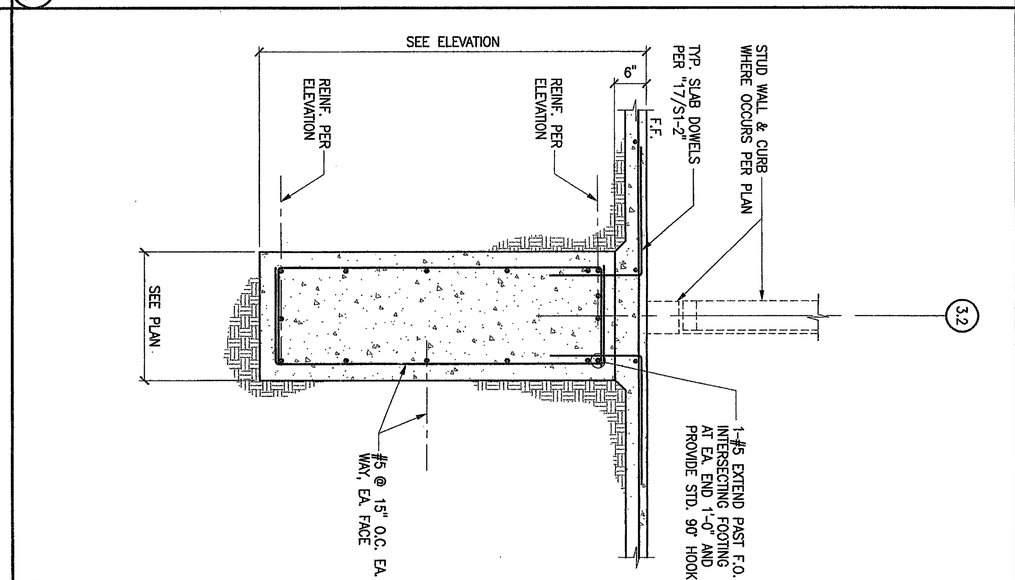


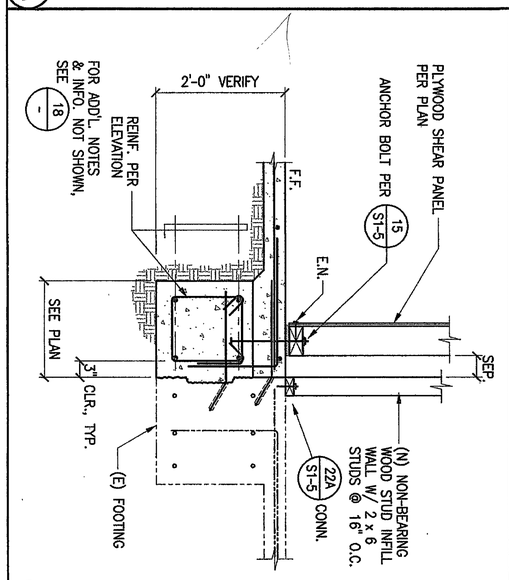


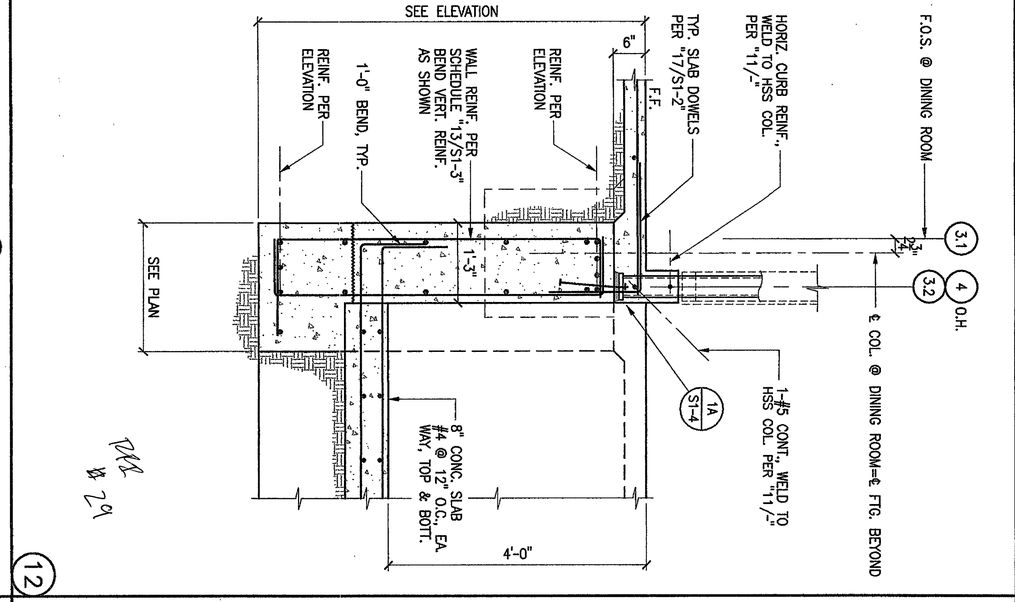


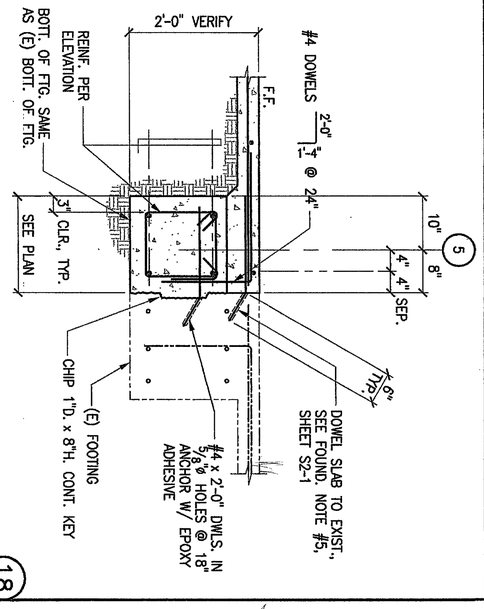


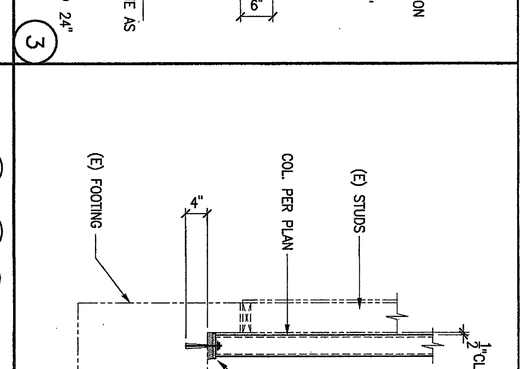


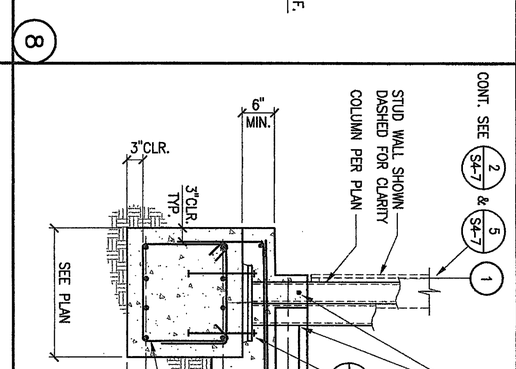


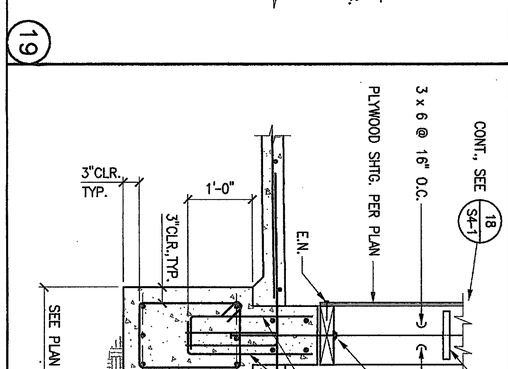


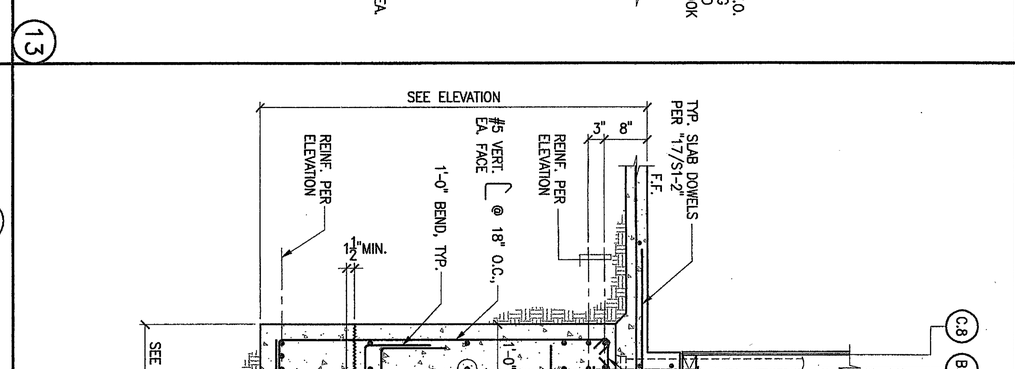












San Elijo Student Center
MiraCosta College

MiraCosta College - San Alijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL #4-107979
AC FLS SS DL
DATE SEP 29 2006

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

MCN04022
REGISTERED PROFESSIONAL ENGINEER
RICHARD ALLEN CHOW
NO. SE 1704
EXP. 3-31-07
STATE OF CALIFORNIA
9.29.06

MARTIN CHOW NAKABARA
04022
MARTIN, CHOW & NAKABARA, INC.
CONSULTING STRUCTURAL ENGINEERS
3185-C AIRWAY AVE. COSTA MESA, CA. 92626
Voice: 714.979.3003 FAX: 714.979.3259
email: richardc@mcnengineers.com
web: www.mcnengineers.com
consultant

REGISTERED PROFESSIONAL ENGINEER
Masamiro G. Nakabara
No. 2165
Exp. 9-30-07
STRUCTURAL
STATE OF CALIFORNIA

LICENSED ARCHITECT
No. C6223
REN. 8-31-08
STATE OF CALIFORNIA

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

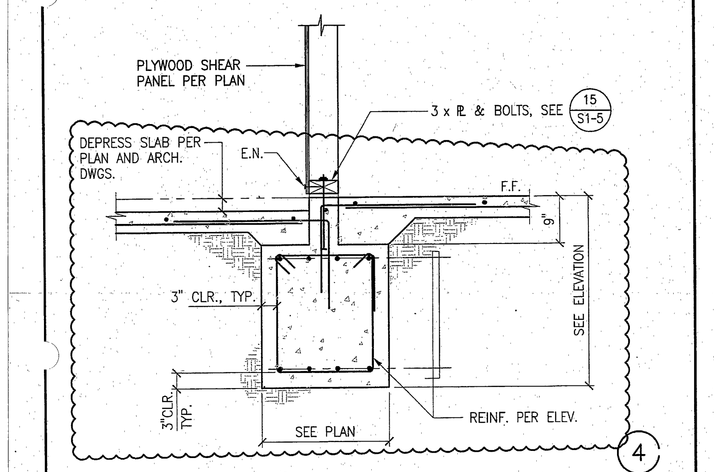
tBP
architecture
planning
interiors
management

tBP project number : 20494.00
file name: (S3-1.DWG)
drawn by: SD checked by: RAC
date: 4-10-06
owner

Rev: date: description:

drawing title: building no:
DETAILS
drawing no: **S3-1**
drawing 65 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



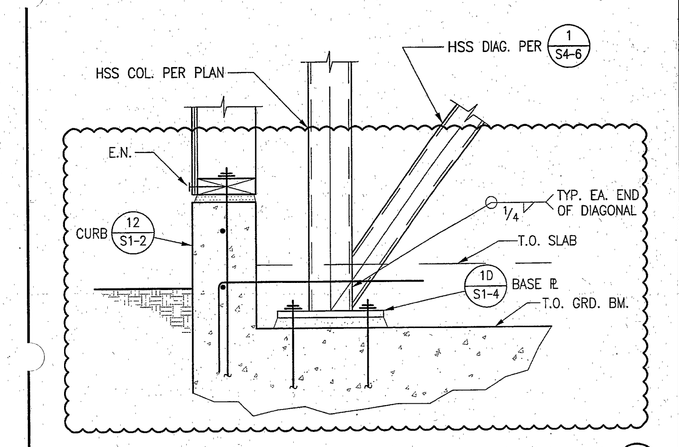
REVISED DETAIL "4/S3-2"

REVISES IN PART SHEET S3-2

San Elijo Student Center Addition & Remodel
MiraCostaCollege

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 9496710300 f: 9496739267

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART SHEET:	S3-2
SHEET:	SR-15



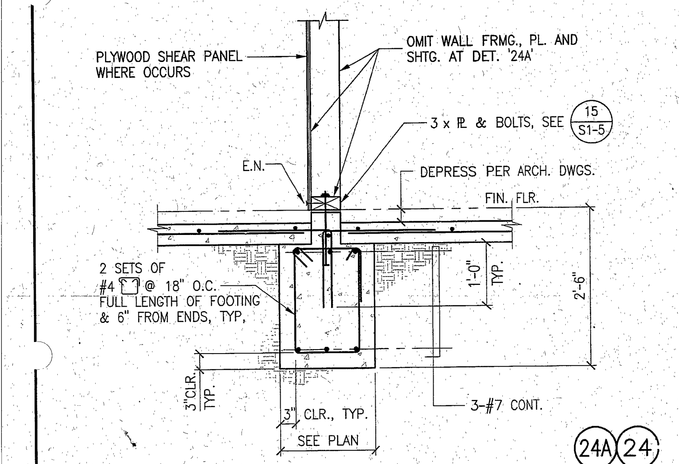
REVISED DETAIL "9/S3-2"

REVISES IN PART SHEET S3-2

San Elijo Student Center Addition & Remodel
MiraCostaCollege

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 7146710300 f: 9496739267

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART SHEET:	S3-2
SHEET:	SR-32



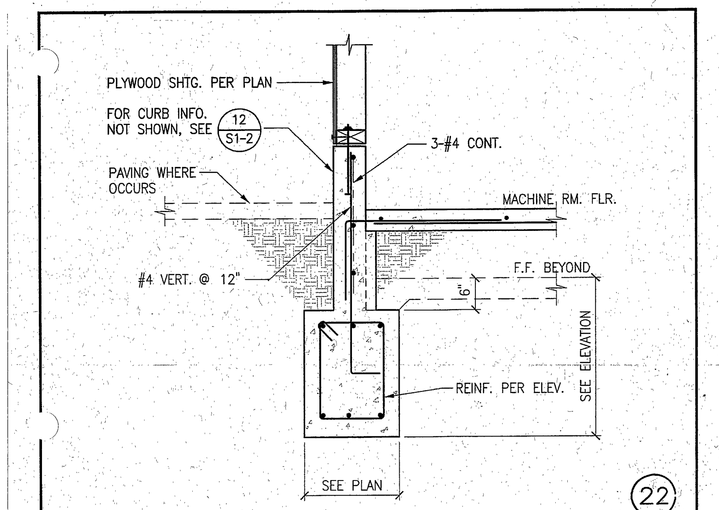
NEW DETAIL "24, 24A/S3-2"

REVISES IN PART SHEET S3-2

San Elijo Student Center Addition & Remodel
MiraCostaCollege

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 9496710300 f: 9496739267

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART SHEET:	S3-2
SHEET:	SR-10



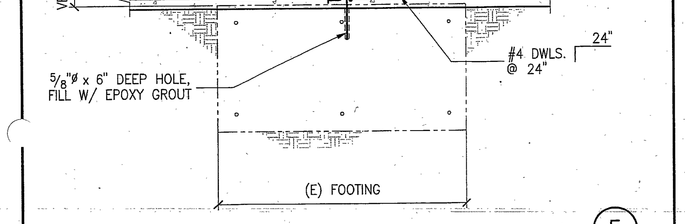
NEW DETAIL "22/S3-2"

REVISES IN PART SHEET S3-2

San Elijo Student Center Addition & Remodel
MiraCostaCollege

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 9496710300 f: 9496739267

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART SHEET:	S3-2
SHEET:	SR-7



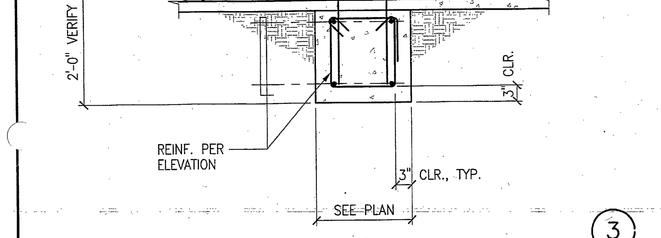
REVISED DETAIL "5/S3-2"

REVISES IN PART SHEET S3-2

San Elijo Student Center Addition & Remodel
MiraCostaCollege

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 9496710300 f: 9496739267

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART SHEET:	S3-2
SHEET:	SR-16



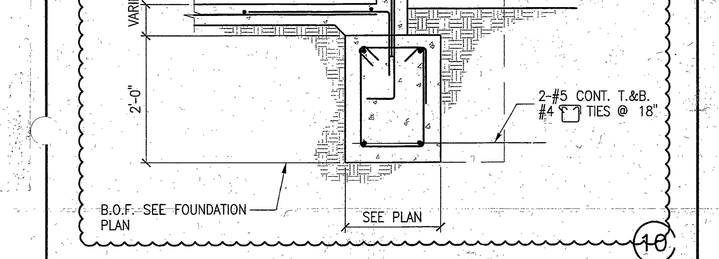
REVISED DETAIL "3/S3-2"

REVISES IN PART SHEET S3-2

San Elijo Student Center Addition & Remodel
MiraCostaCollege

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 9496710300 f: 9496739267

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART SHEET:	S3-2
SHEET:	SR-14



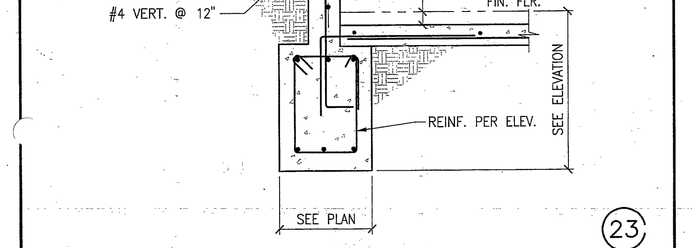
REVISED DETAIL "10/S3-2"

REVISES IN PART SHEET S3-2

San Elijo Student Center Addition & Remodel
MiraCostaCollege

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 7146710300 f: 9496739267

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART SHEET:	S3-2
SHEET:	SR-31



NEW DETAIL "23/S3-2"

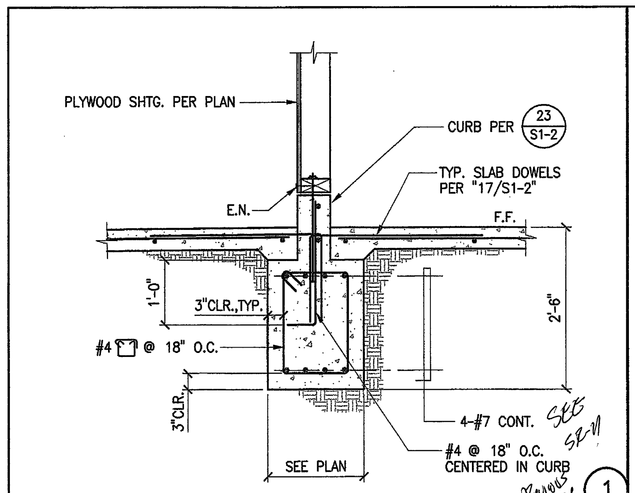
REVISES IN PART SHEET S3-2

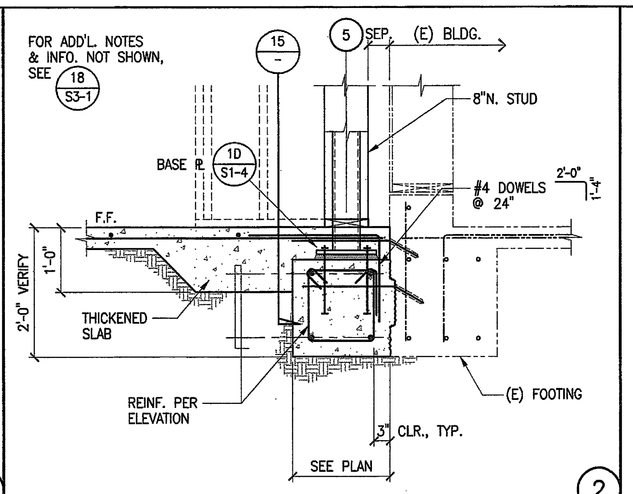
San Elijo Student Center Addition & Remodel
MiraCostaCollege

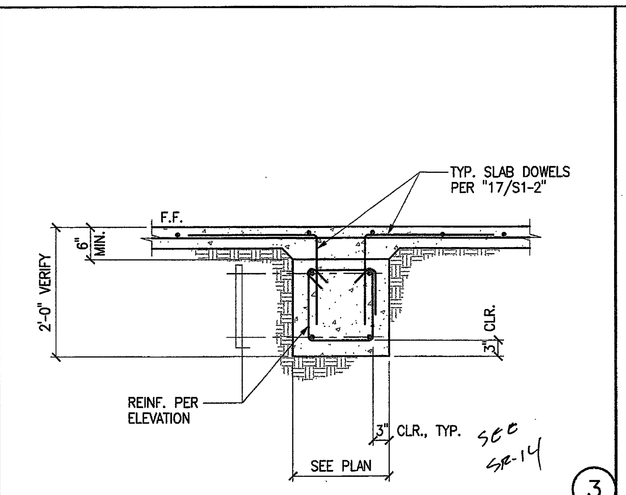
ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 9496710300 f: 9496739267

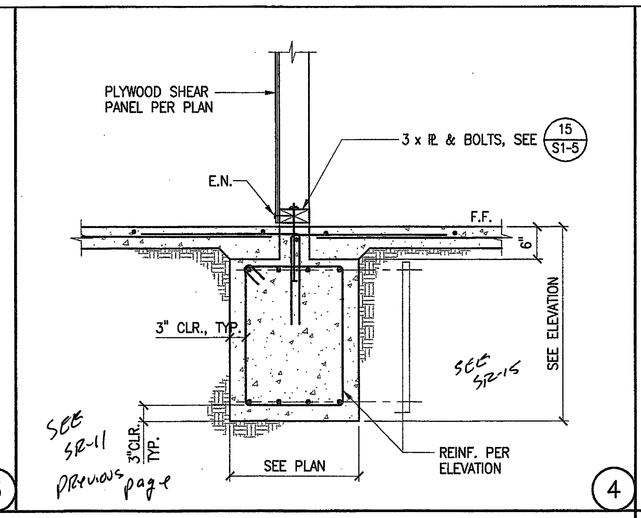
ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART SHEET:	S3-2
SHEET:	SR-9

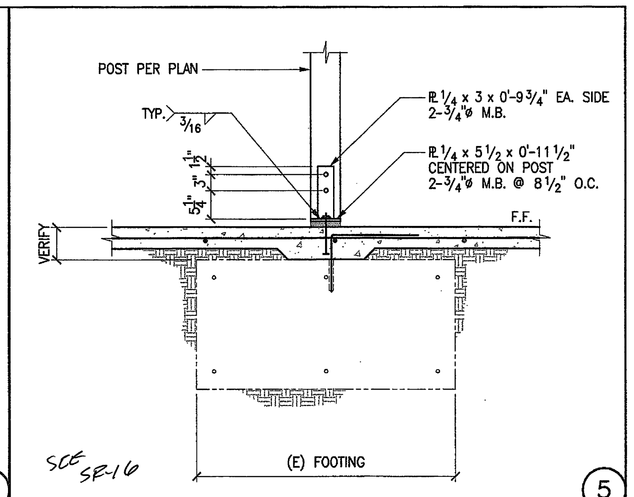
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

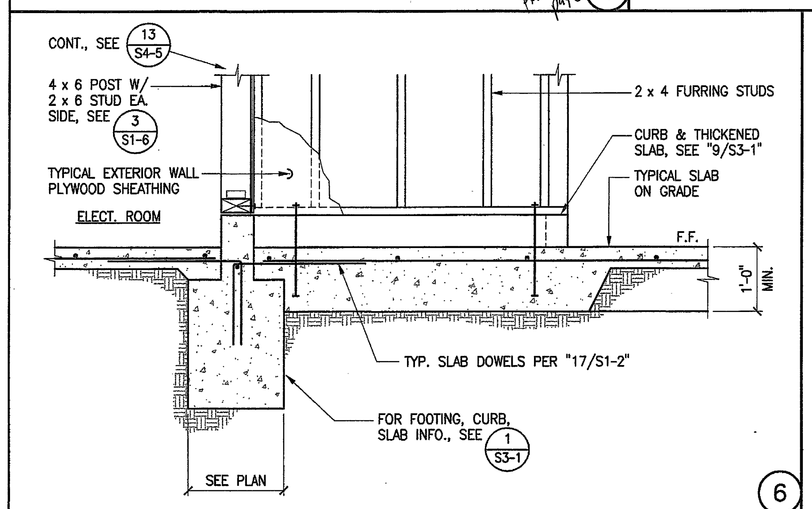


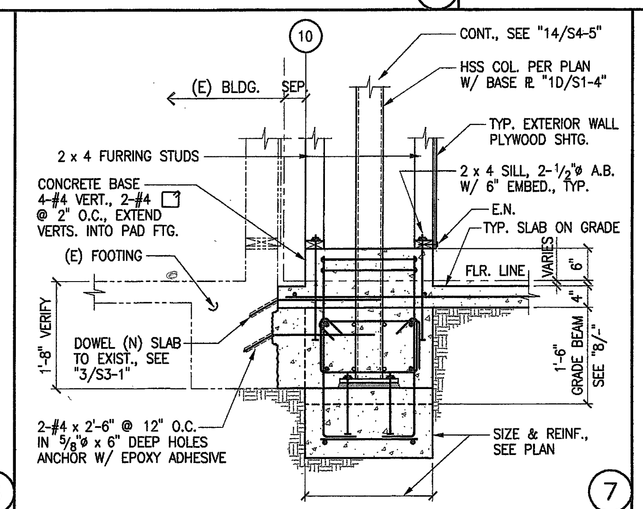


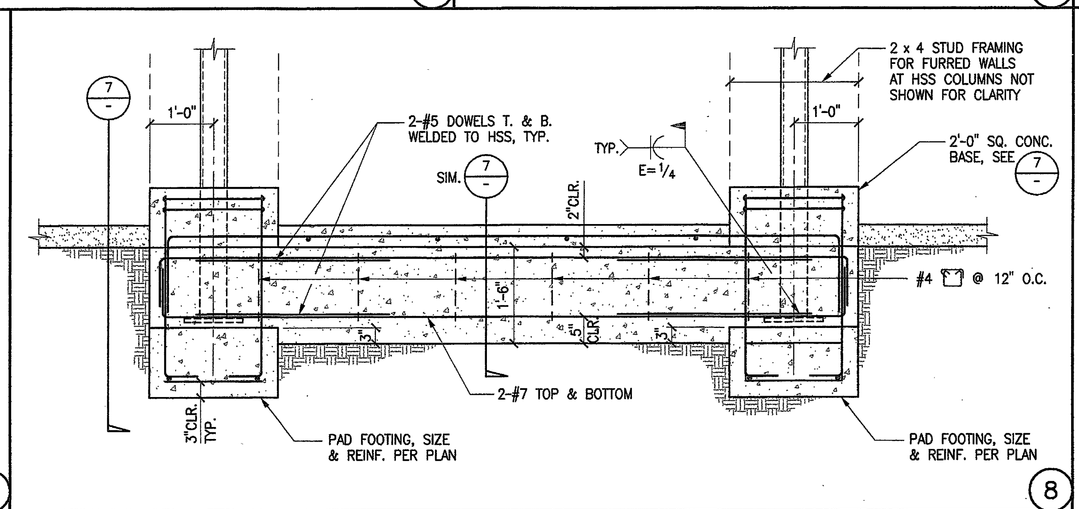


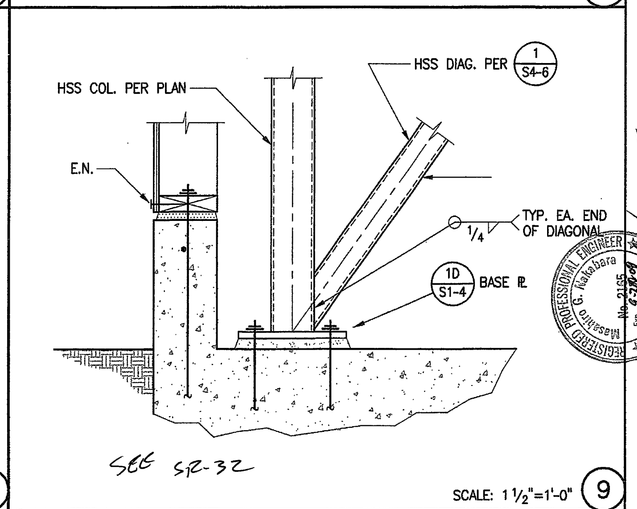


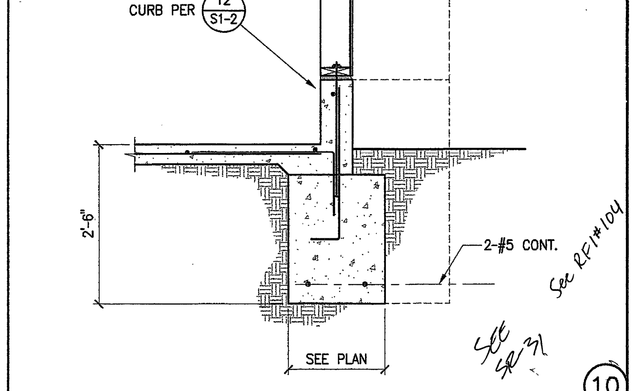


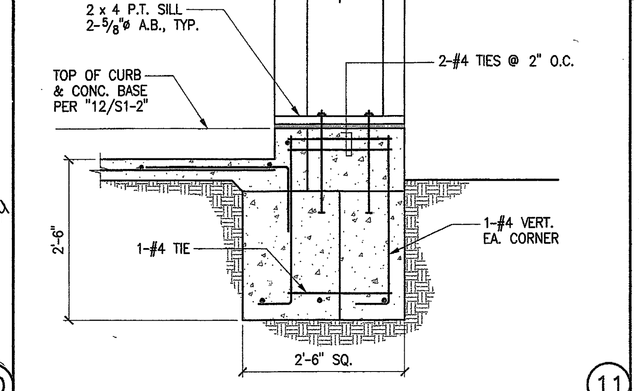


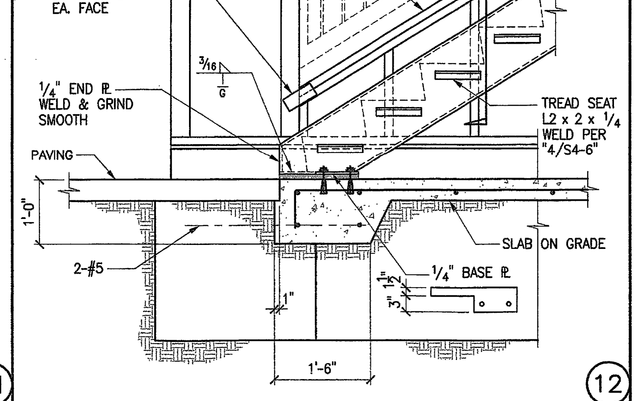


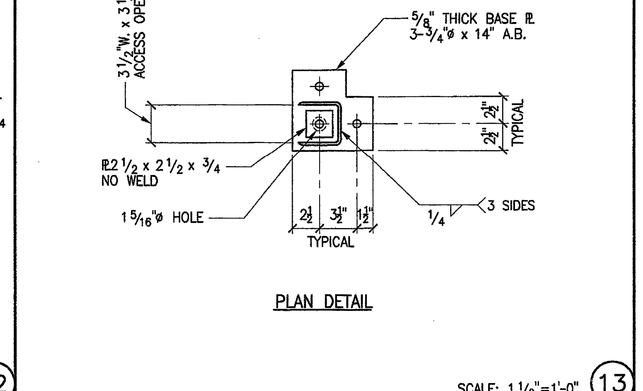


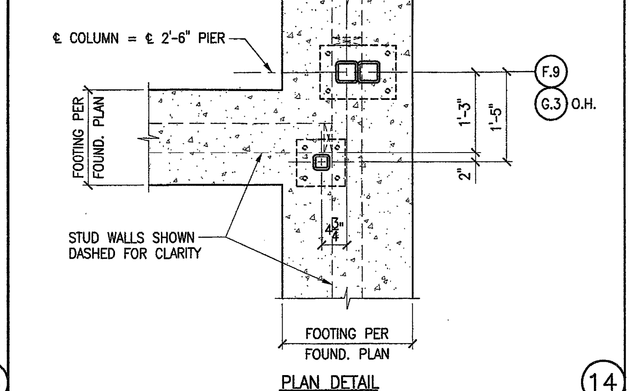


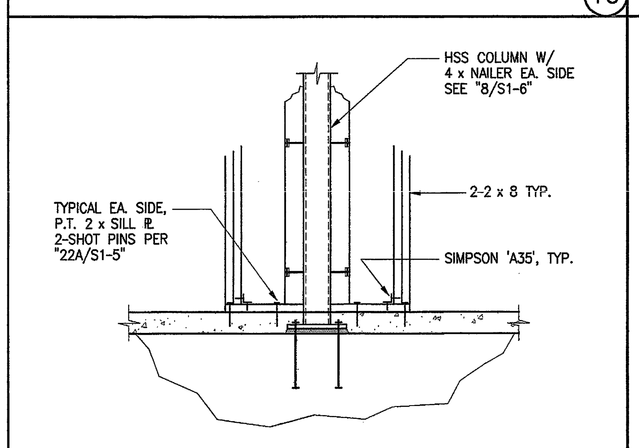


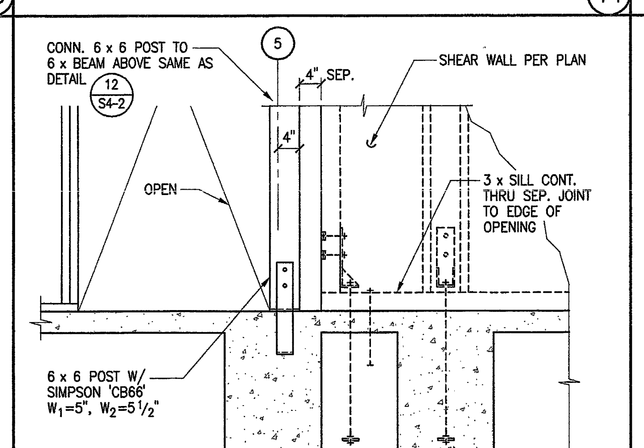


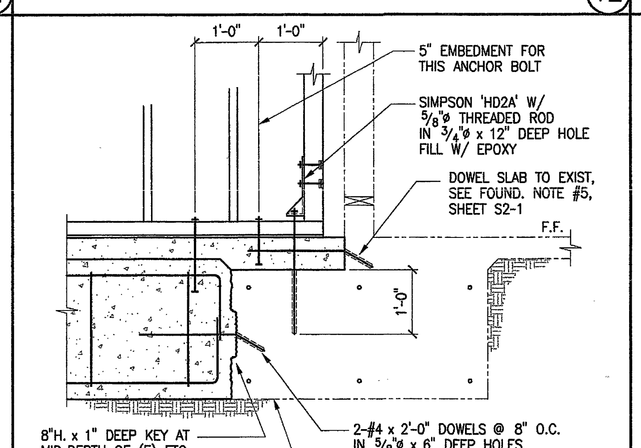


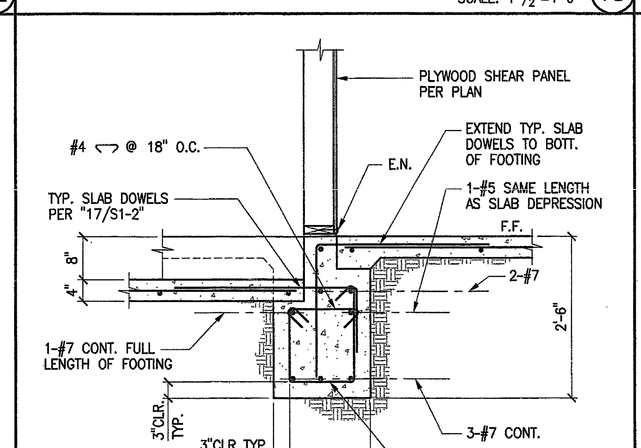


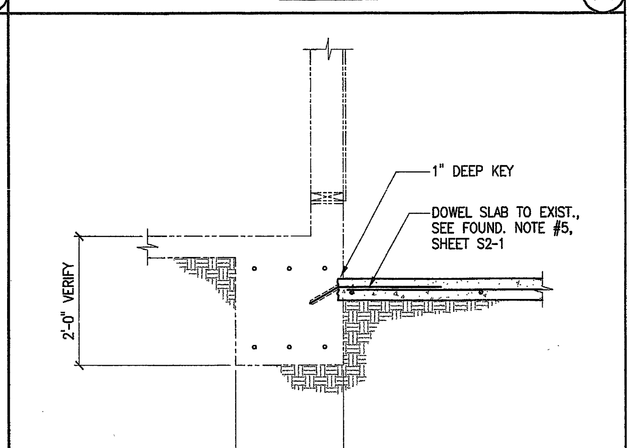


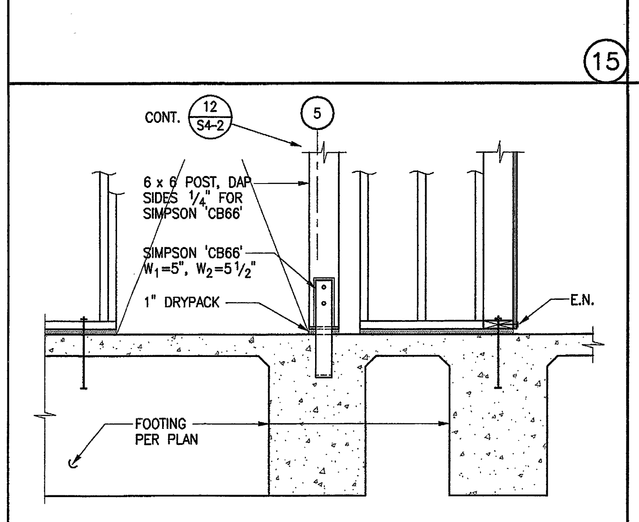


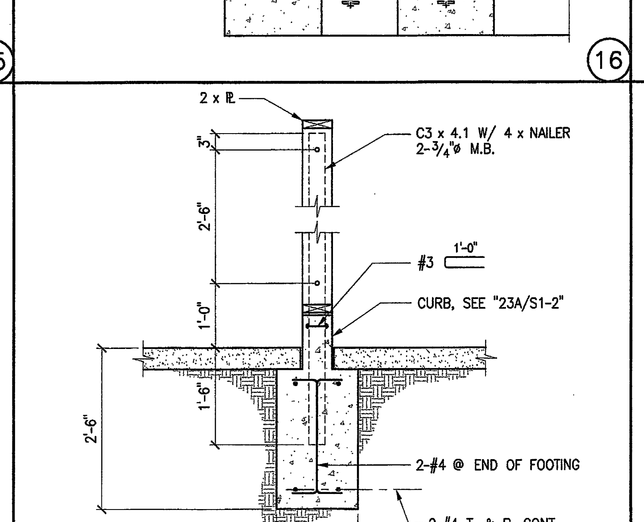


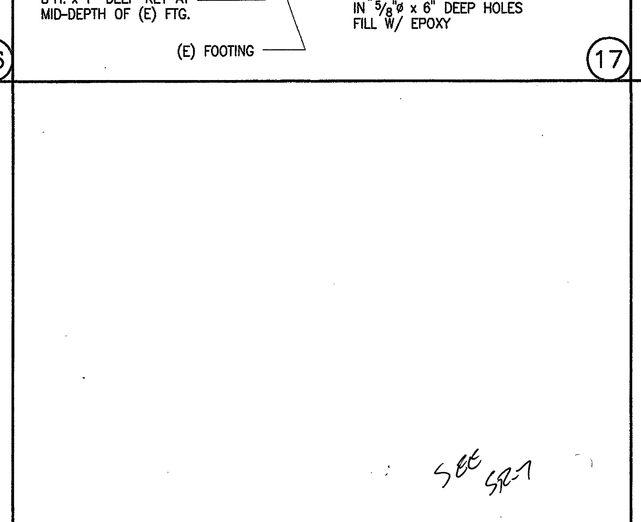


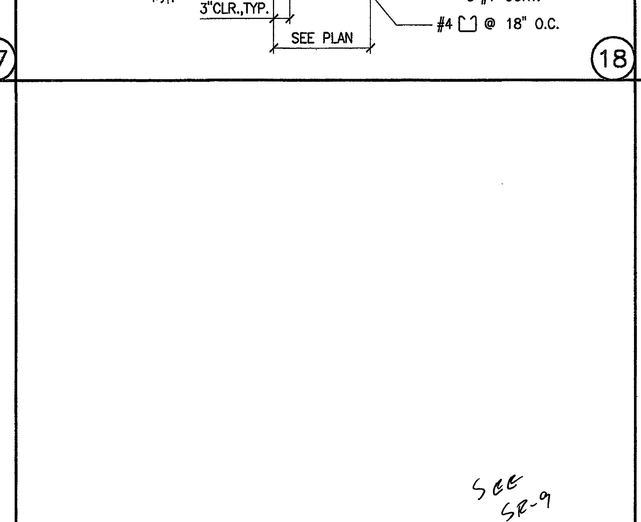


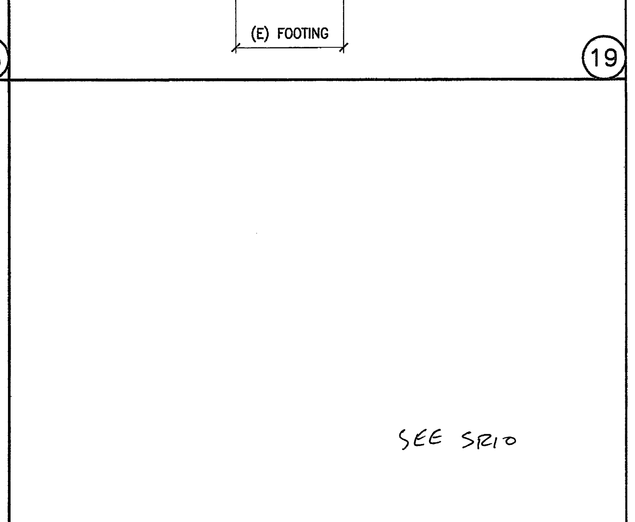












tBP
architecture
planning
interiors
management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

MCN04022
MARTIN, CHOW & MAYABARA, INC.
CONSULTING STRUCTURAL ENGINEERS
1661 Hotel Circle North, Suite 200, San Diego, CA 92108
Voice: 714.575.2555 Fax: 714.575.3539
e-mail: mcm@mcmengineers.com
website: www.mcmengineers.com
CHECKED BY
MARTIN
NAME
MAYABARA
04/22
consultant

REGISTERED PROFESSIONAL ENGINEER RICHARD G. MAYABARA No. 4105 EXP. 12-31-07 STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER RICHARD G. MAYABARA No. 4105 EXP. 12-31-07 STATE OF CALIFORNIA

DEPARTMENT OF STATE ARCHITECT
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. #4-107979
DSA
SS
SEP 2 9 2006
DATE
agency

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

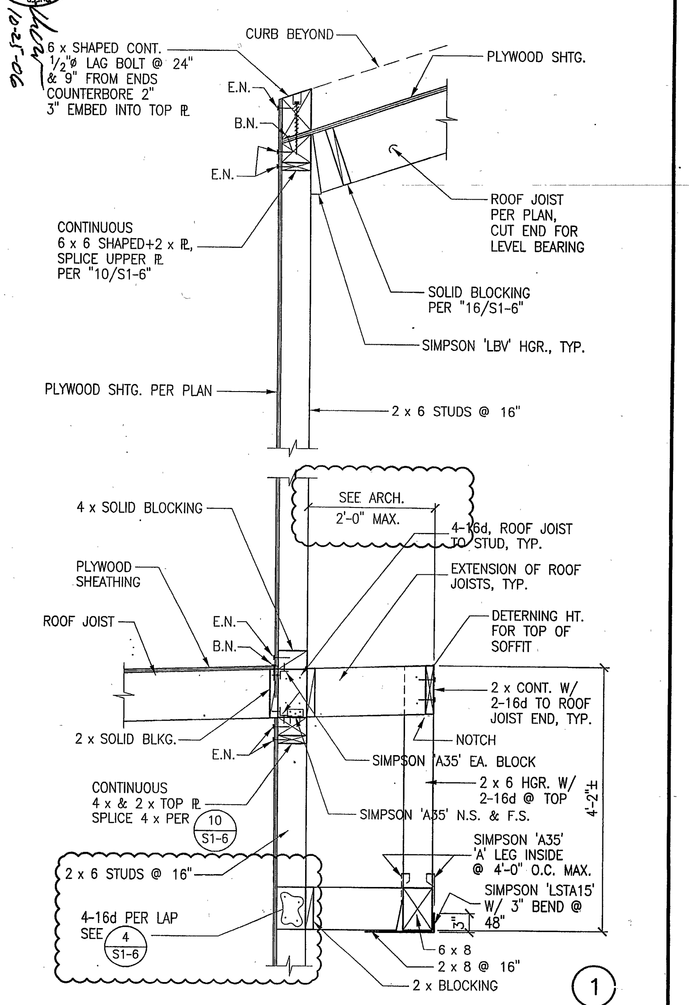
owner

tBP project number : 20489.00
file name: (S3-2.DWG)
drawn by: SD checked by: RAC
date: 4-10-06

Rev:	date:	description:

drawing title: DETAILS
building no:
drawing no: S3-2
drawing 66 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



REVISED DETAIL "1/S4-1"

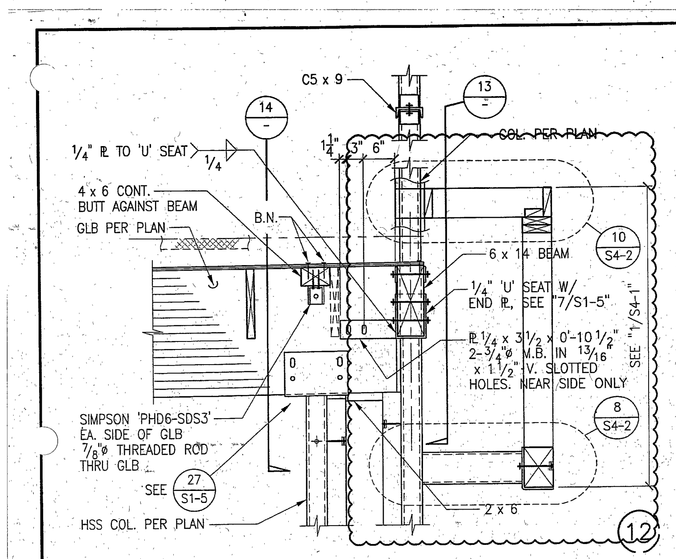
REVISES IN PART SHEET S4-1

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107174	
THIS REVISES IN PART SHEET:	S4-1
SHEET:	SR-20

San Elijo Student Center Addition & Remodel
MiraCostа College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

architecture planning interiors management



PARTIAL REVISED DETAIL "12/S4-1"

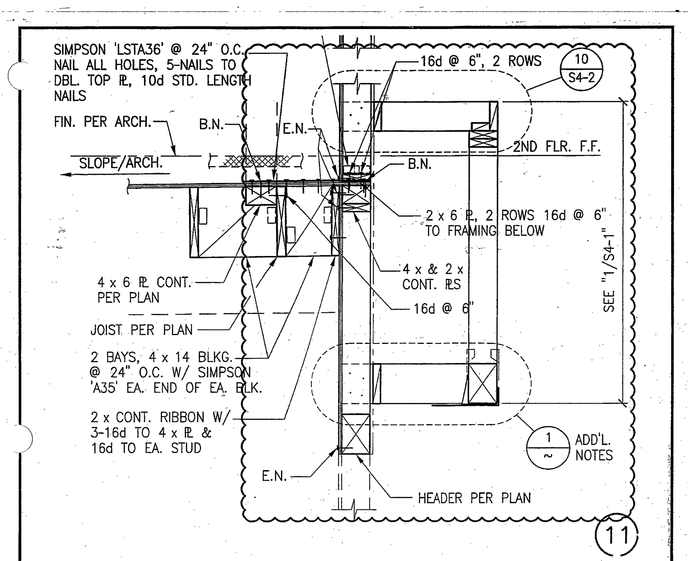
REVISES IN PART SHEET S4-1

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107174	
THIS REVISES IN PART SHEET:	S4-1
SHEET:	SR-23

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

architecture planning interiors management



PARTIAL REVISED DETAIL "11/S4-1"

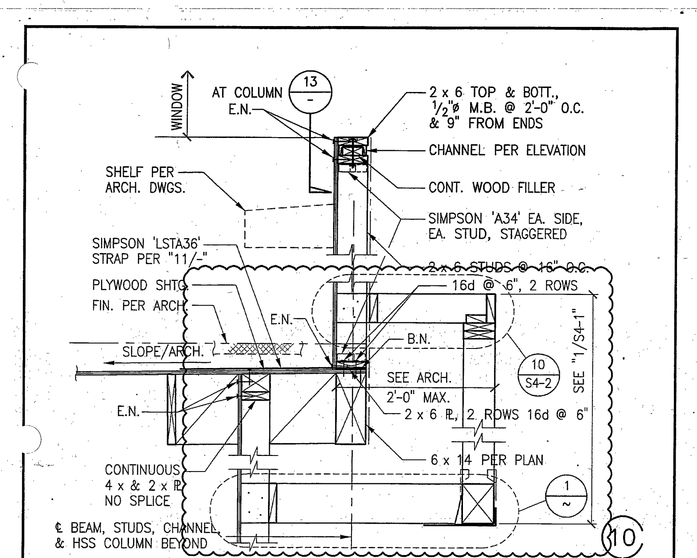
REVISES IN PART SHEET S4-1

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107174	
THIS REVISES IN PART SHEET:	S4-1
SHEET:	SR-22

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

architecture planning interiors management



REVISED DETAIL "10/S4-1"

REVISES IN PART SHEET S4-1

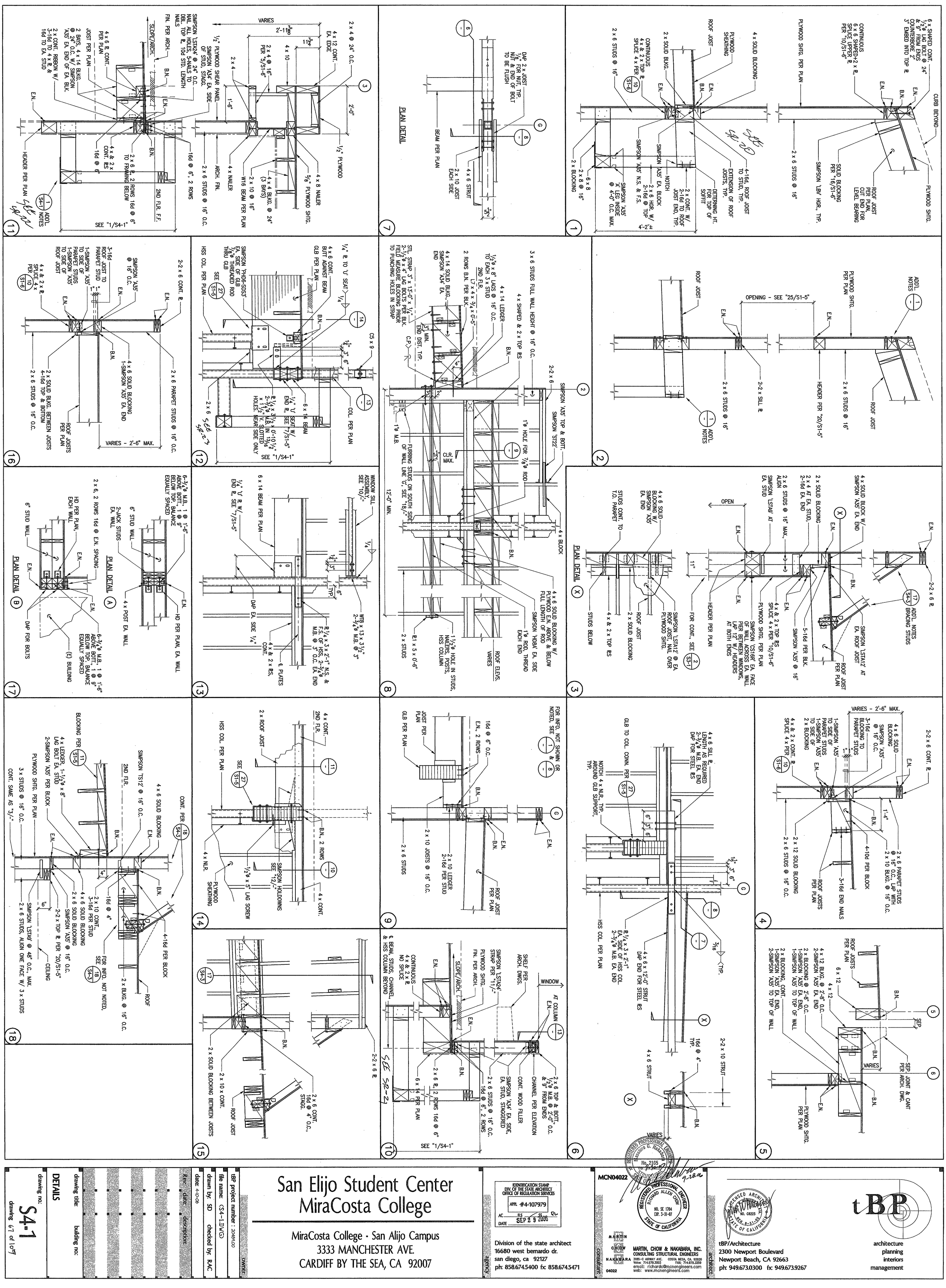
ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107174	
THIS REVISES IN PART SHEET:	S4-1
SHEET:	SR-21

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

architecture planning interiors management

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



San Elijo Student Center
MiraCosta College

MiraCosta College - San Alijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. #4-107979
AC. FLS SS
DATE SEP 29 2006

MCN04022

REGISTERED PROFESSIONAL ENGINEER
RICHARD ALLEN CHOW
NO. SE 1704
EXP. 3-31-07
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
Masahiro G. Nakabara
No. 2165
Exp. 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

LICENSED ARCHITECT
NO. C6223
REN. 8-31-05
STATE OF CALIFORNIA

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

MARTIN CHOW NAKABARA
04022
consultant

MARTIN, CHOW & NAKABARA, INC.
CONSULTING STRUCTURAL ENGINEERS
3185-C AIRWAY AVE. COSTA MESA, CA. 92626
Voice: 714.979.3003 FAX: 714.979.3259
email: richardc@mcnengineers.com
web: www.mcnengineers.com

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

tBP
architecture
planning
interiors
management

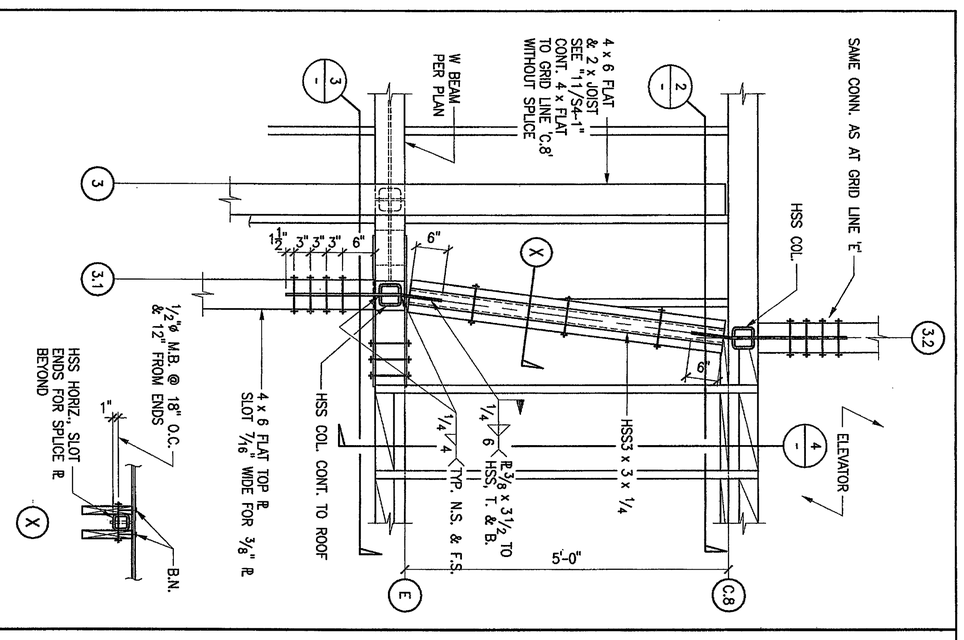
tBP project number: 2048.00
file name: (S4-1_D1V(G)
drawn by: SD checked by: RAC
date: 4-10-06
owner

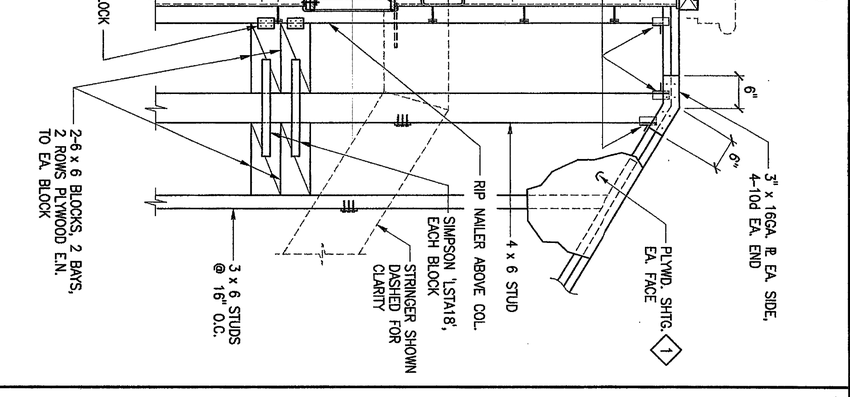
Rev. date: description:

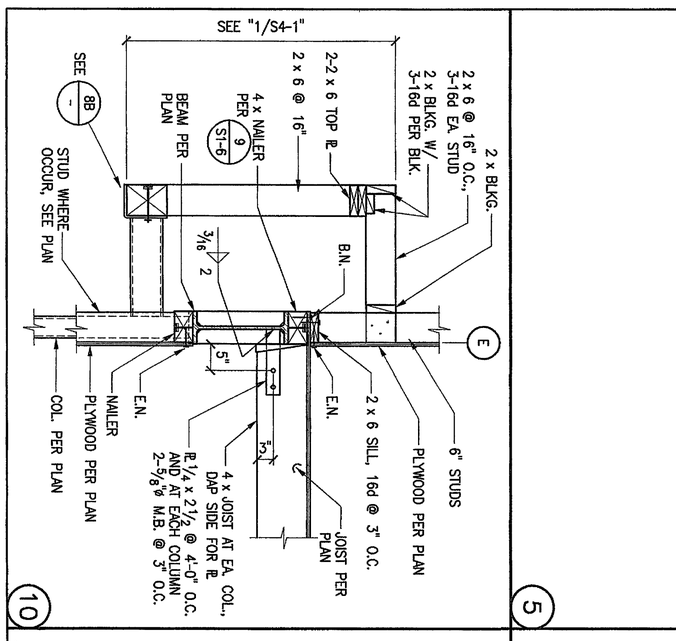
drawing title: DETAILS
building no:

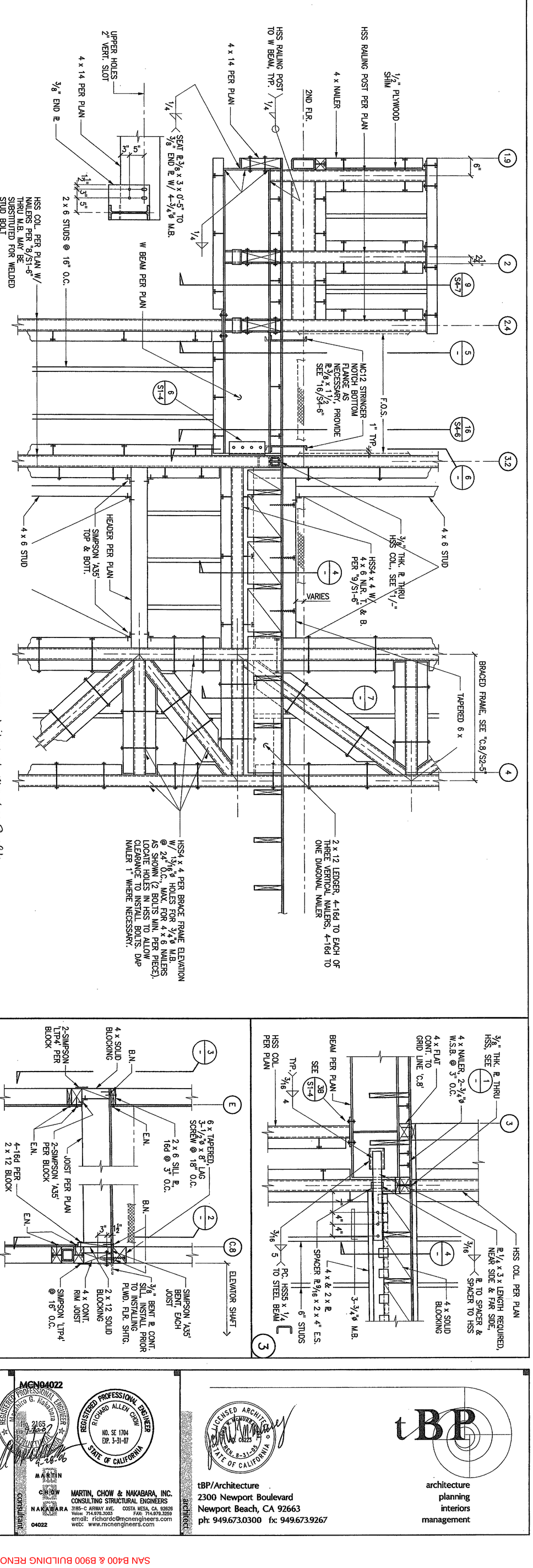
drawing no: S4-1
drawing 67 of 107

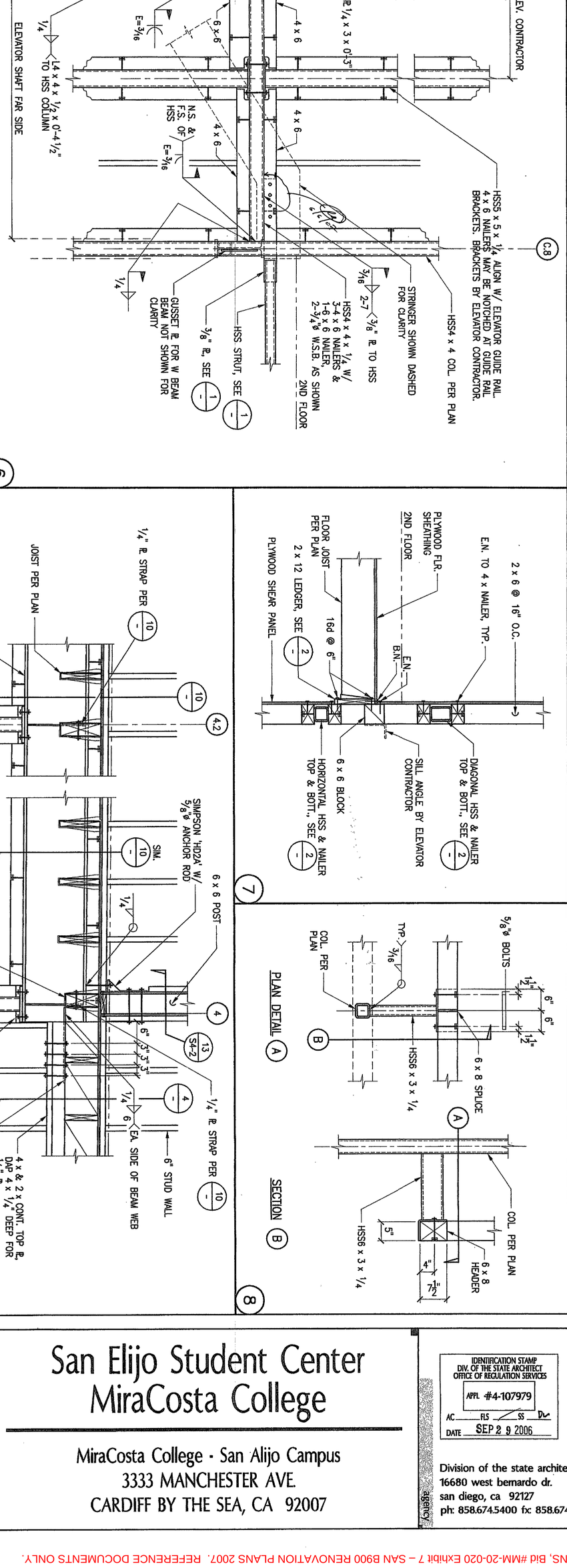
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

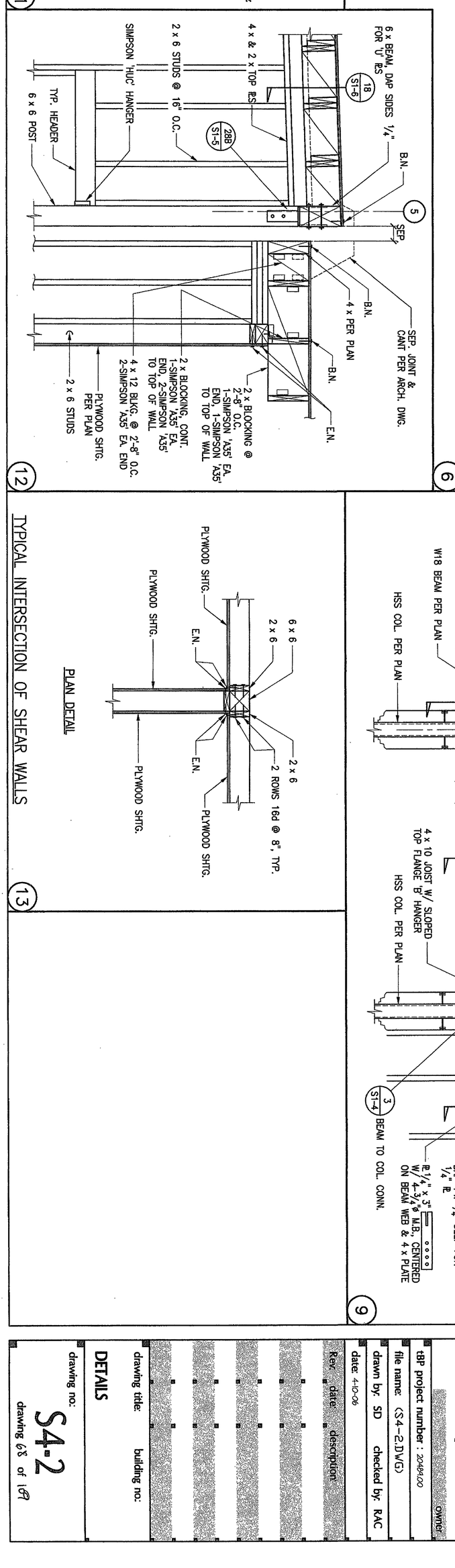












San Elijo Student Center
MiraCosta College

MiraCosta College - San Alijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL #4-107979
AC. FLS SS
DATE SEP 2 9 2006

MCN04022

REGISTERED PROFESSIONAL ENGINEER
Masahiro G. Nakabara
No. 2165
7-31-07
STRUCTURAL
4.10.06

REGISTERED PROFESSIONAL ENGINEER
RICHARD ALLEN CROW
NO. SE 1704
EXP. 3-31-07
STATE OF CALIFORNIA

LICENSED ARCHITECT
RICHARD V. VENDRILLO
No. C6223
REG. 8-31-05
STATE OF CALIFORNIA

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

MARTIN CHOW NAKABARA
04022
MARTIN, CHOW & NAKABARA, INC.
CONSULTING STRUCTURAL ENGINEERS
3185-C AIRWAY AVE. COSTA MESA, CA. 92626
Voice: 714.979.3003 FAX: 714.979.3259
email: richardc@mcnengineers.com
web: www.mcnengineers.com
consultant

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

tBP project number : 2004.00
owner
file name: (S4-2.DWG)
drawn by: SD checked by: RAC
date: 4-10-06

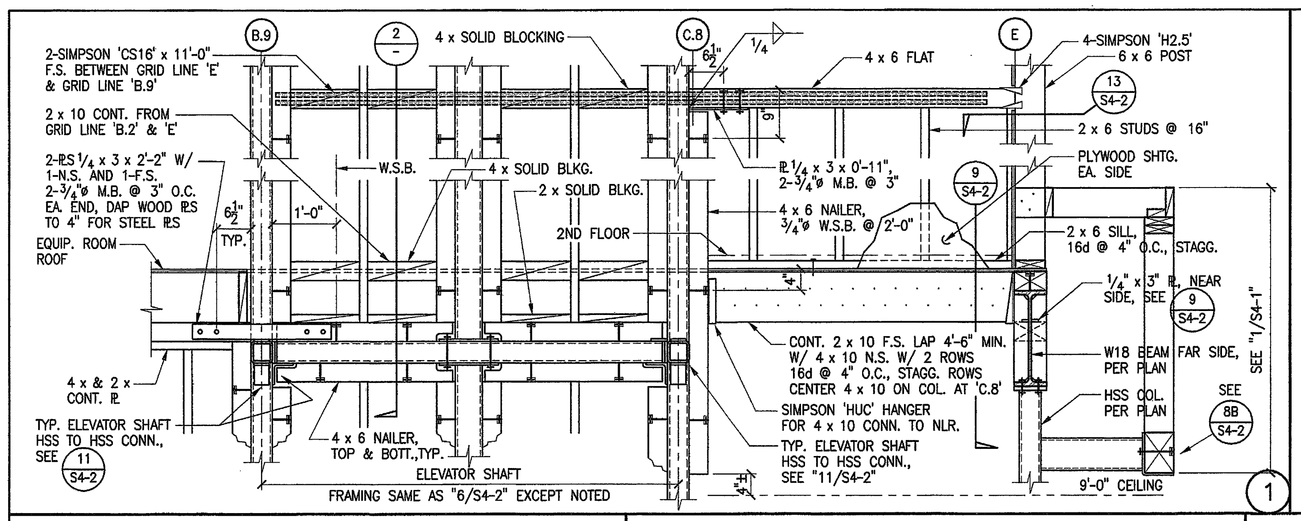
Rev: date: description:

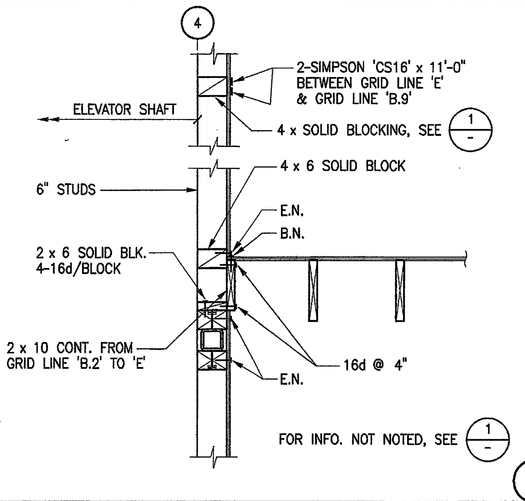
drawing title: building no:

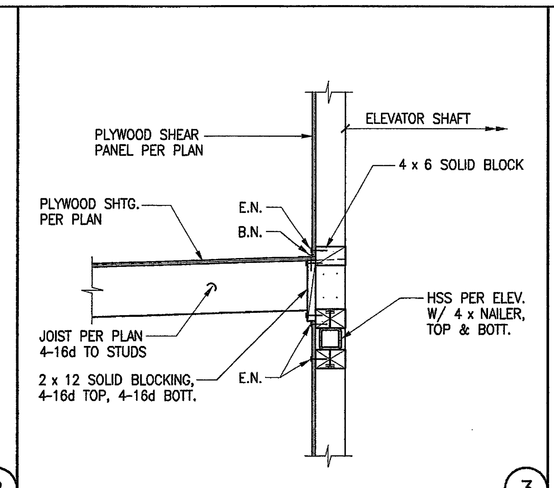
DETAILS

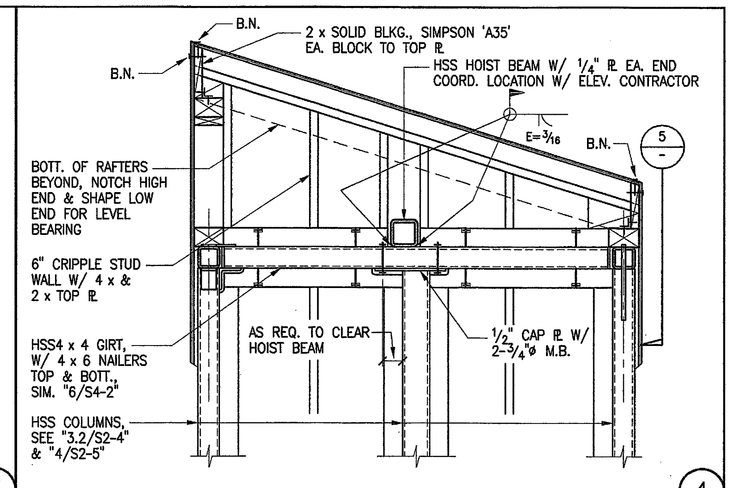
drawing no:
S4-2
drawing 68 of 169

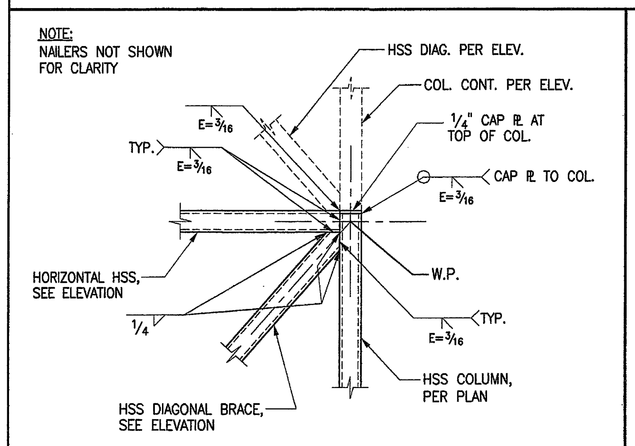
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.





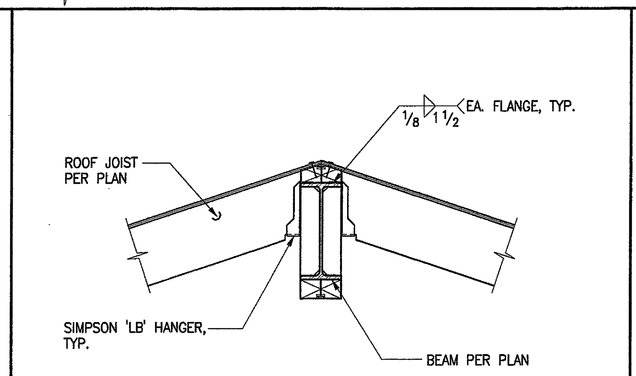




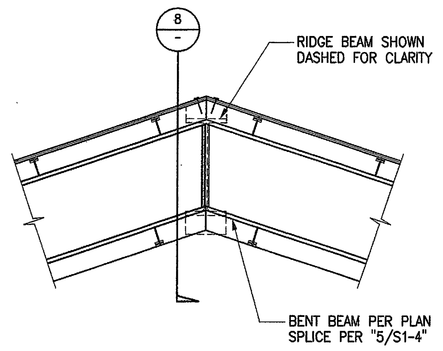


TYPICAL BRACED FRAME CONNECTION

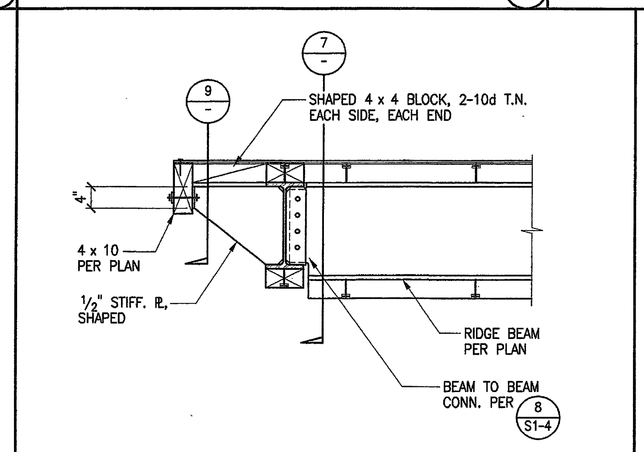
5



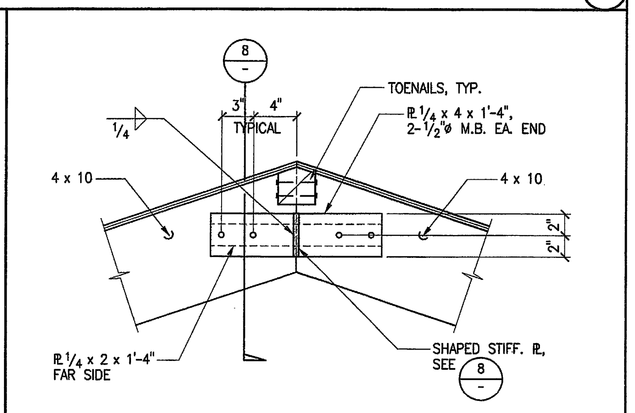
6



7

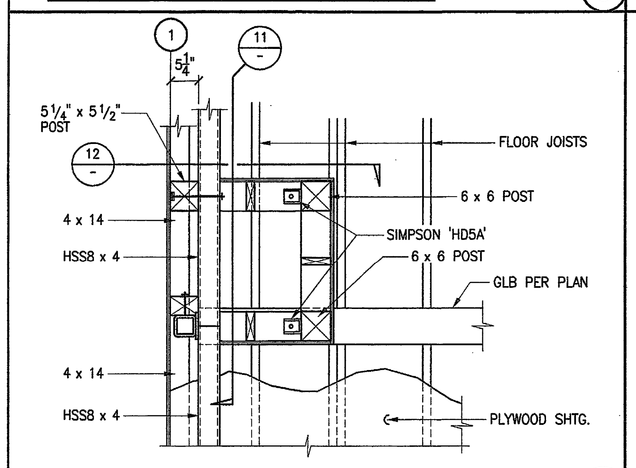


8



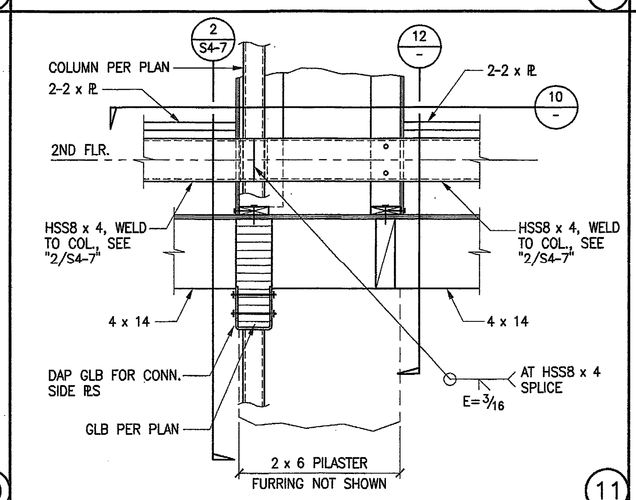
SCALE: 1 1/2"=1'-0"

9

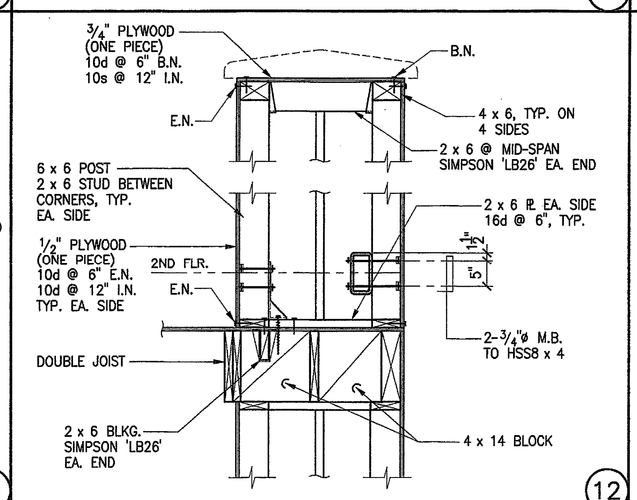


PLAN DETAIL

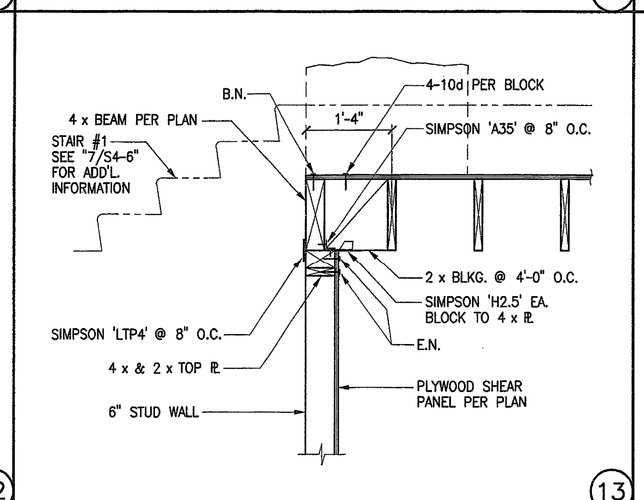
10



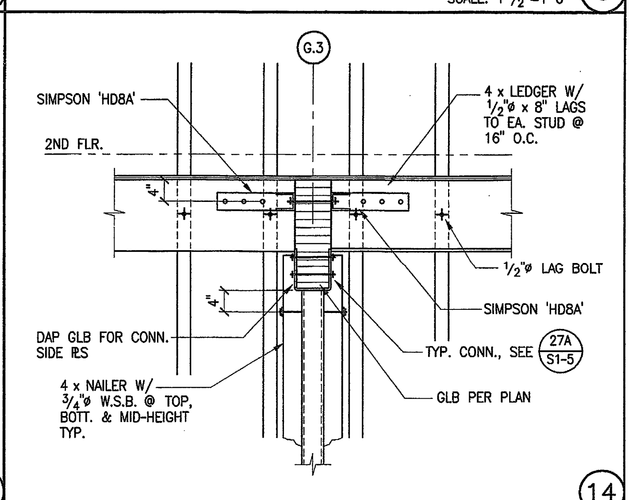
11



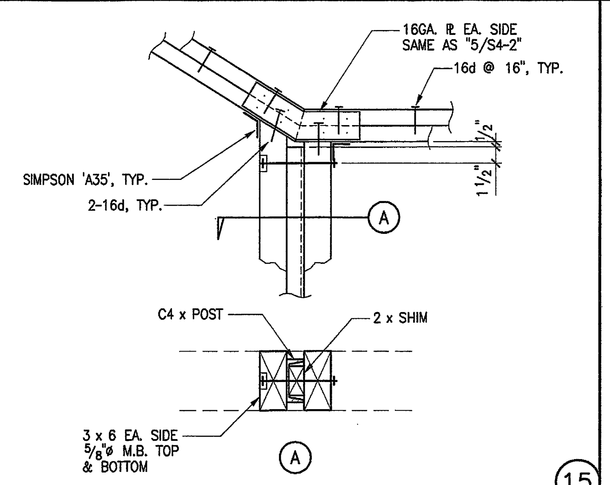
12



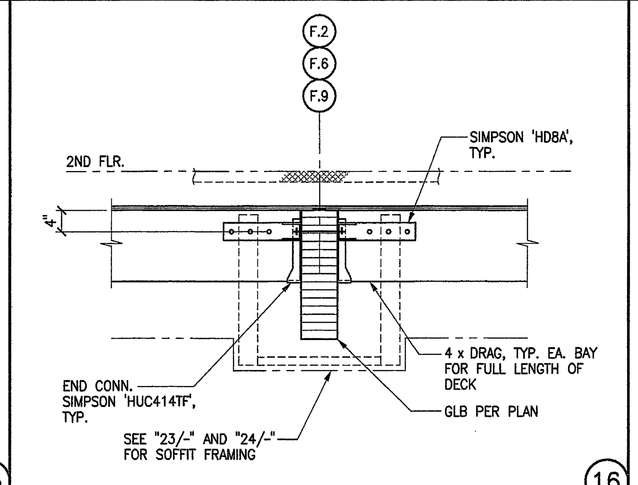
13



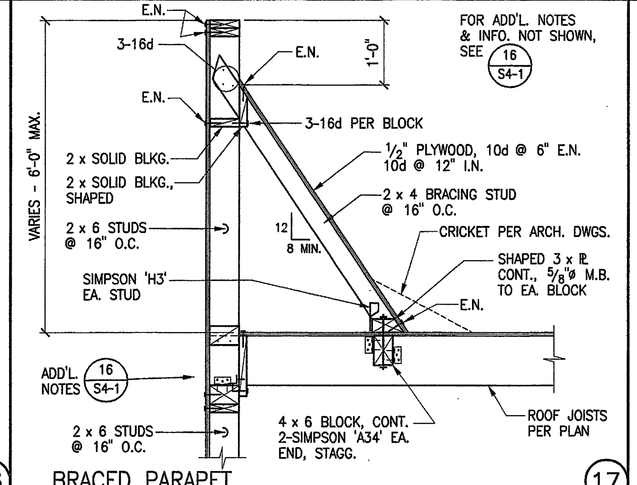
14



15

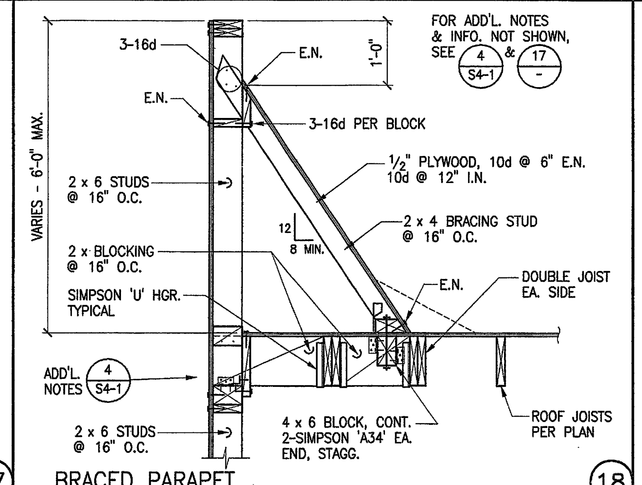


16



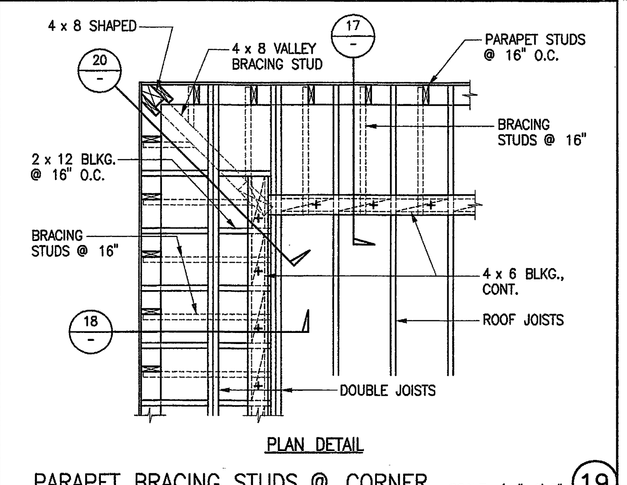
BRACED PARAPET

17



BRACED PARAPET

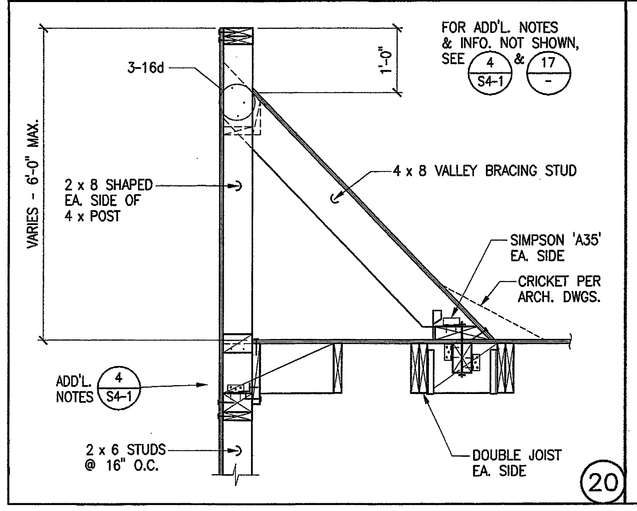
18



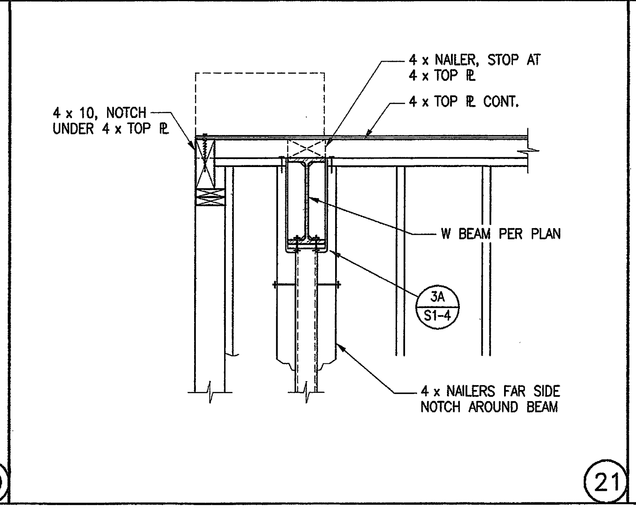
PLAN DETAIL

PARAPET BRACING STUDS @ CORNER SCALE: 1/2"=1'-0"

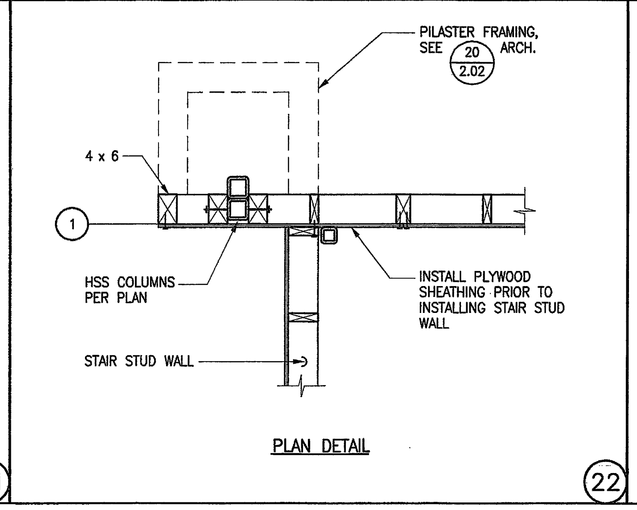
19



20

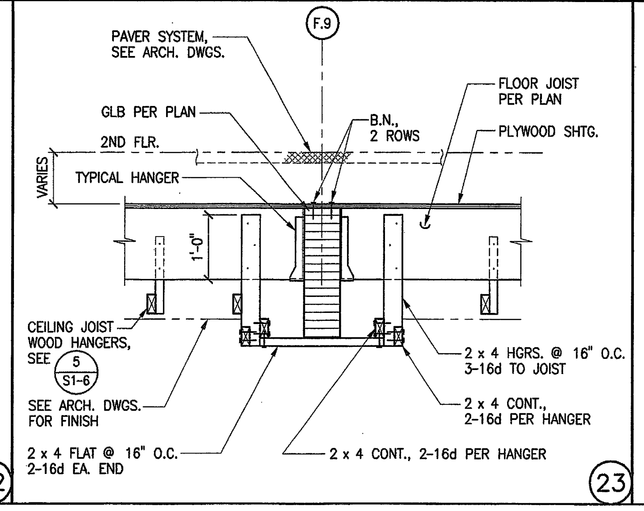


21

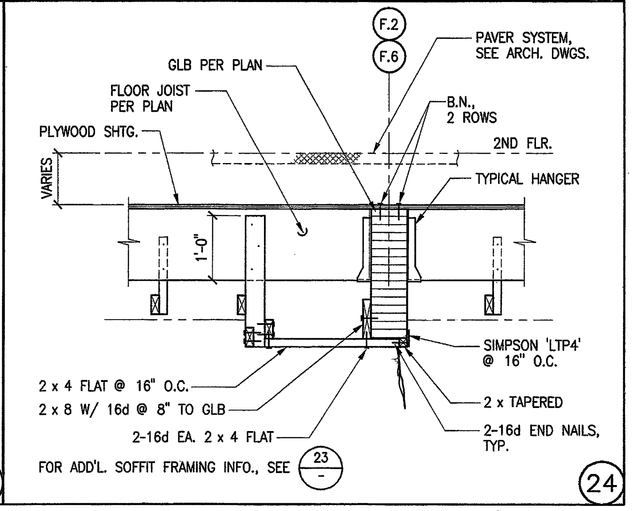


PLAN DETAIL

22



23



24

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 9496730300 fx: 9496739267

architect

MARTIN, CHOW & NAHABIAN, INC.
CONSULTING STRUCTURAL ENGINEERS
385-C JERNEY AVE. COSTA MESA, CA. 92626
PHONE: (714) 850-1773 FAX: (714) 850-1775
email: richcrdc@mcnengineers.com
web: www.mcnengineer.com

MCN04022
CHOW
NAHABIAN
MARTIN
04/22

consultant

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

DSA/SS/CC APPROVAL
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. #4-107979
FILE 15
DATE SEP 2 9 2006
AC
DSA

San Elijo Student Center
MiraCosta College

MiraCosta College - San Alijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

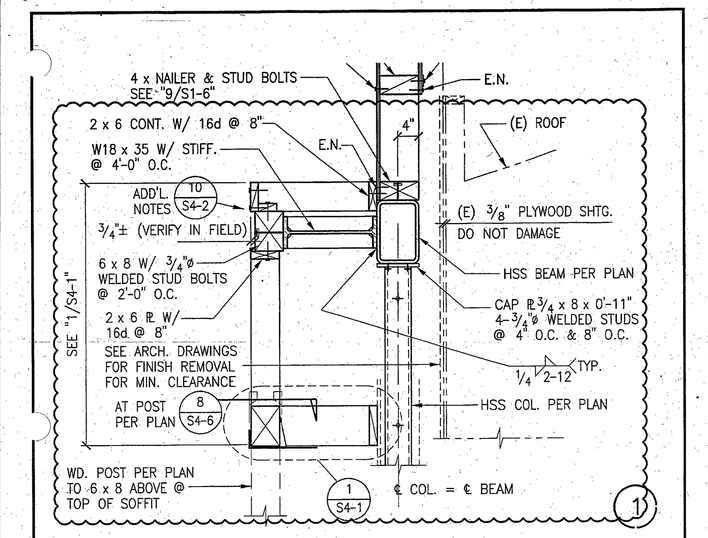
tBP project number : 2048.00
file name: (S4-3.DWG)
drawn by: SD checked by: RAC
date: 4-10-06

Rev:	date:	description:

drawing title: DETAILS
building no:

drawing no: S4-3
drawing 69 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



PARTIAL REVISED DETAIL "1/S4-4"

REGISTERED PROFESSIONAL ENGINEER — ROBERT L. BEIN — NO. 15 1396 — EXP. 3-31-07 — STATE OF CALIFORNIA

10-25-06

LICENSED ARCHITECT — JAMES M. NEWMAN — NO. C8222 — EXP. 5-31-08 — STATE OF CALIFORNIA

REVISES IN PART SHEET S4-4

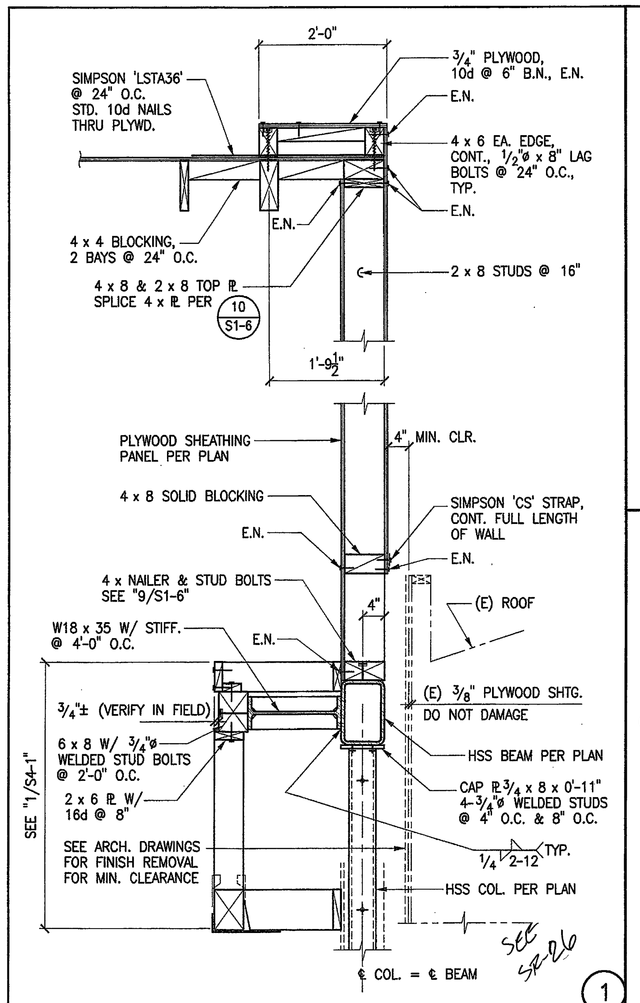
San Elijo Student Center Addition & Remodel
MiraCosta College

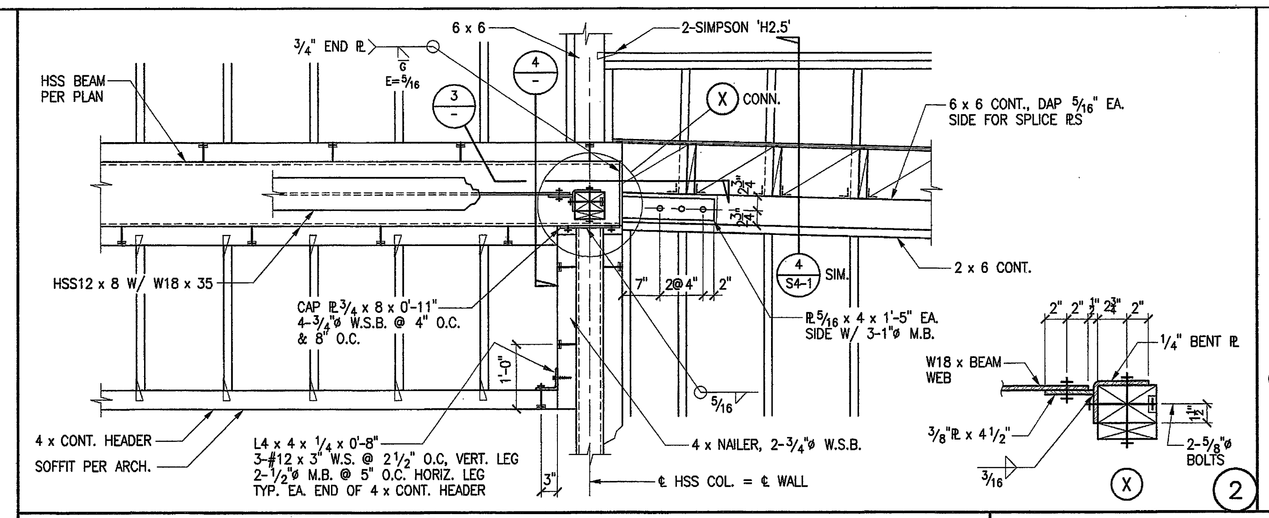
ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 9496710300 f 9496719267

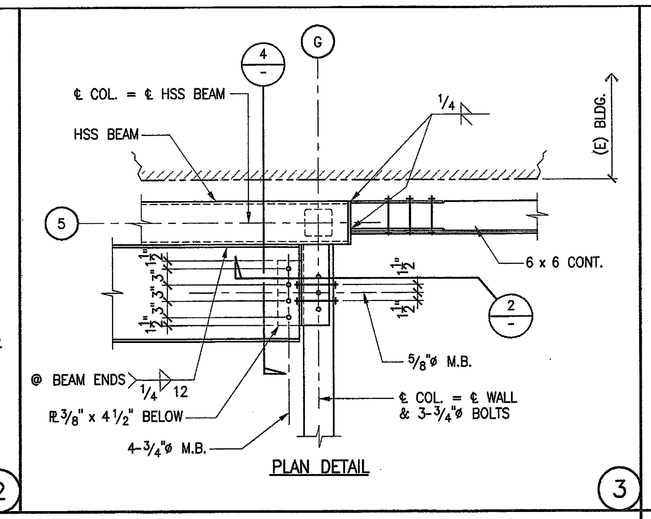
tBP architecture planning interiors management

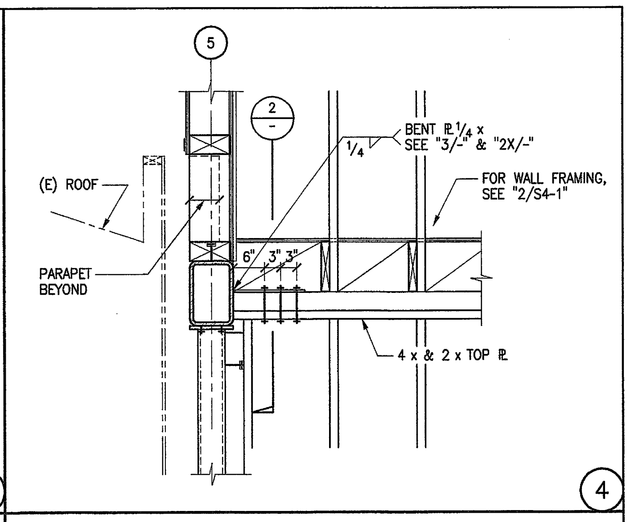
ADDENDUM NO. - 1	
DATE: 10/25/06	
DSA NO.4 -107M	
THIS REVISES IN PART	
SHEET: S4-4	
SHEET: SR-26	

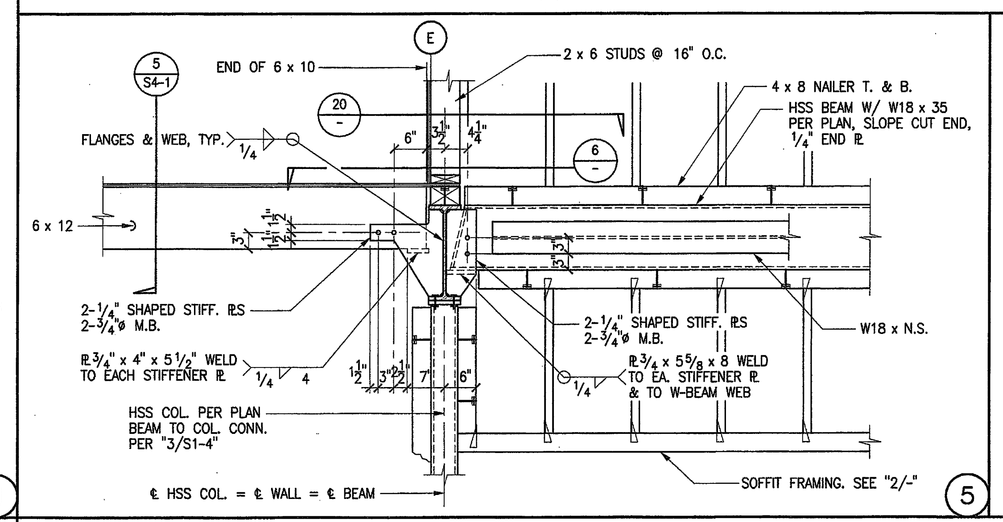
SAN B900 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 –
SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

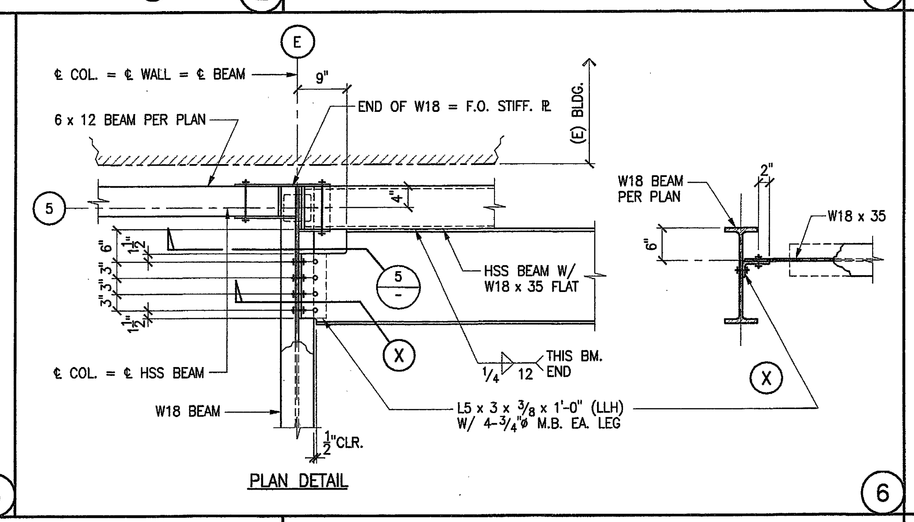


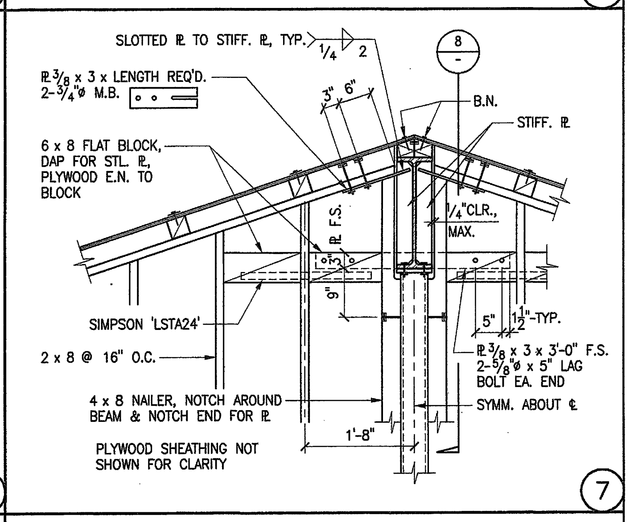


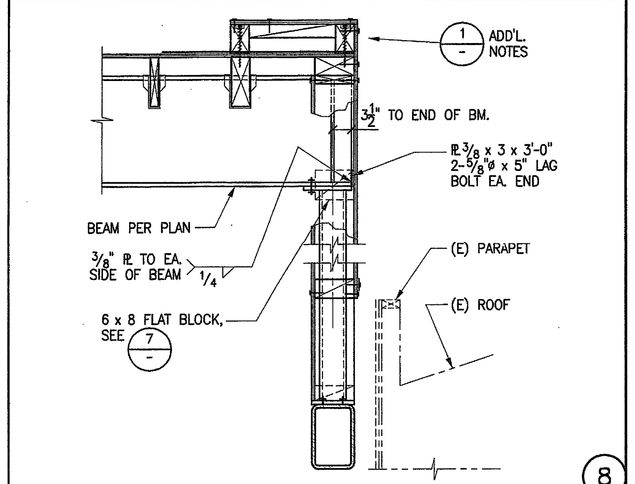


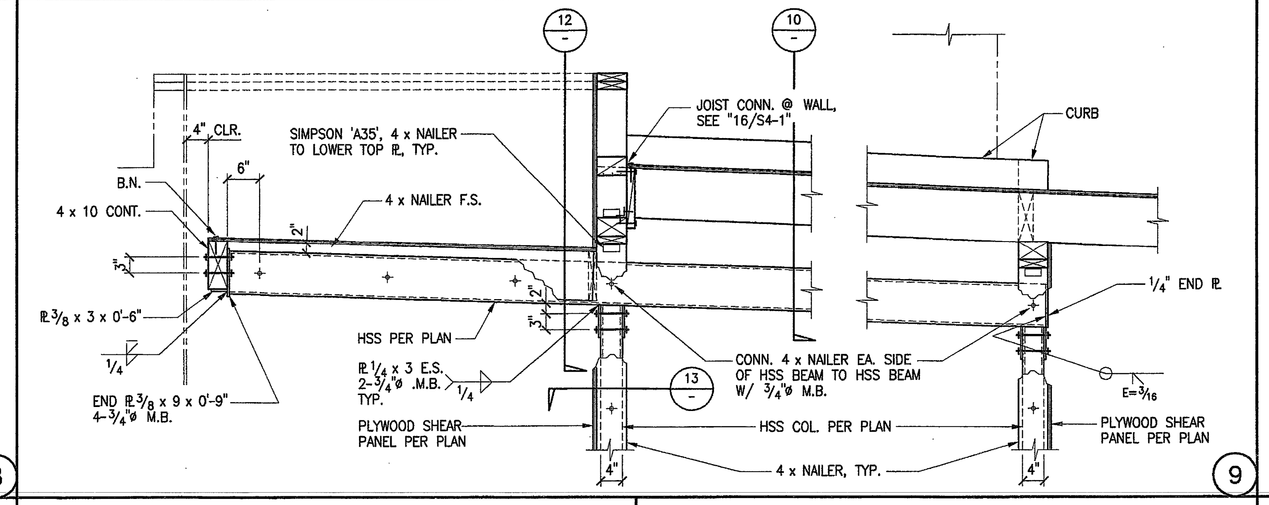


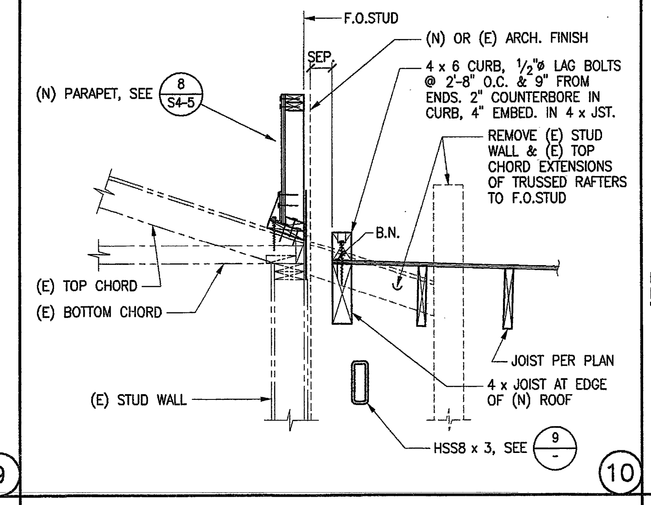


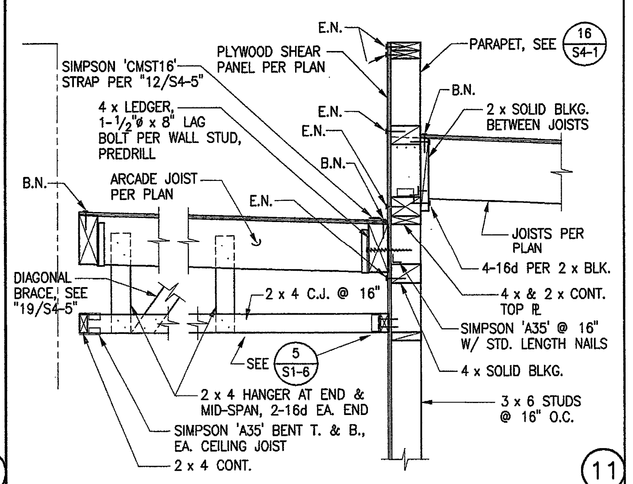


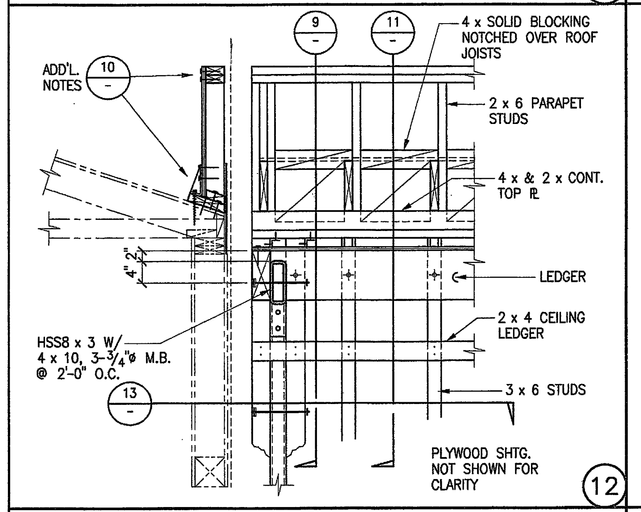


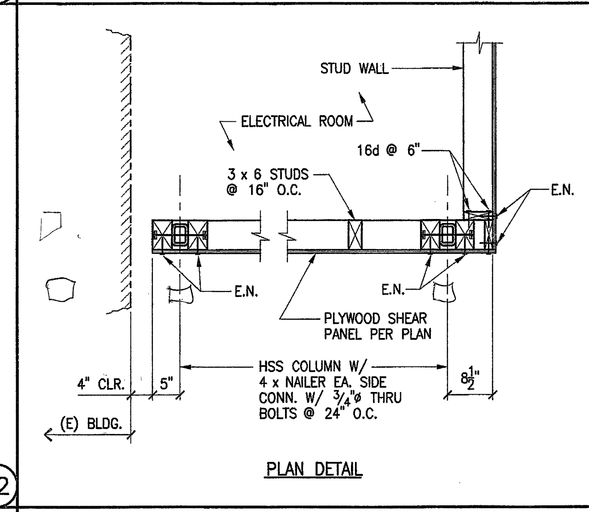


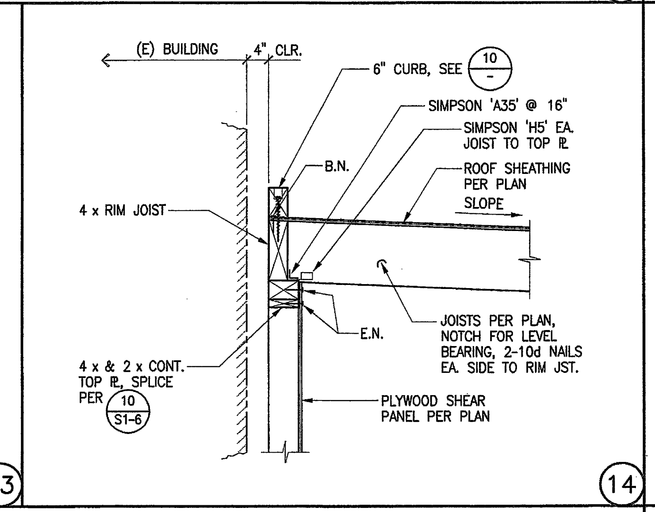


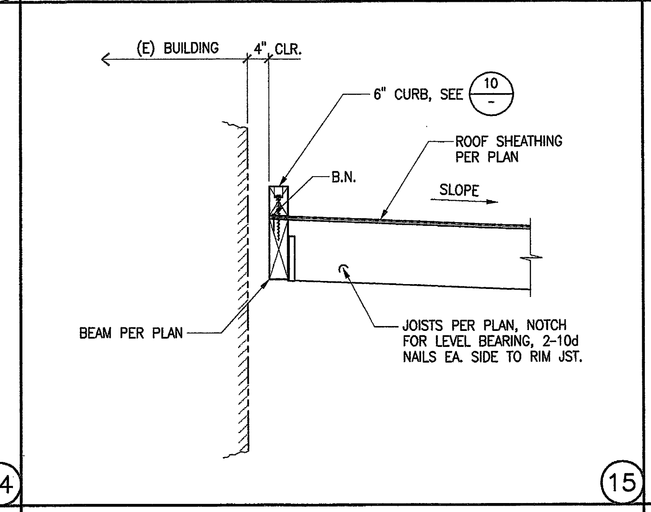


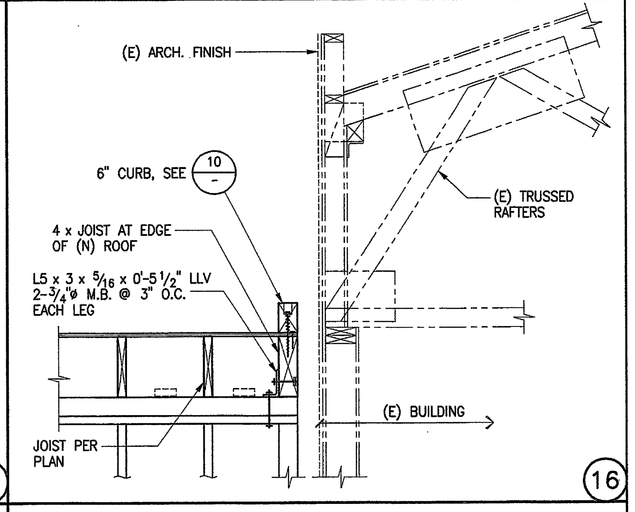


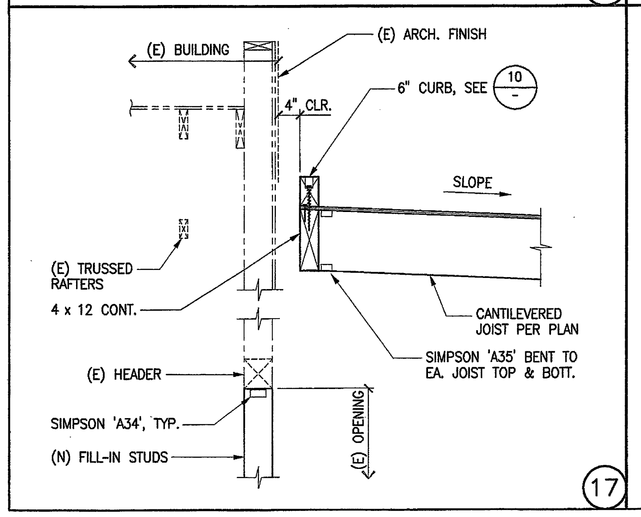


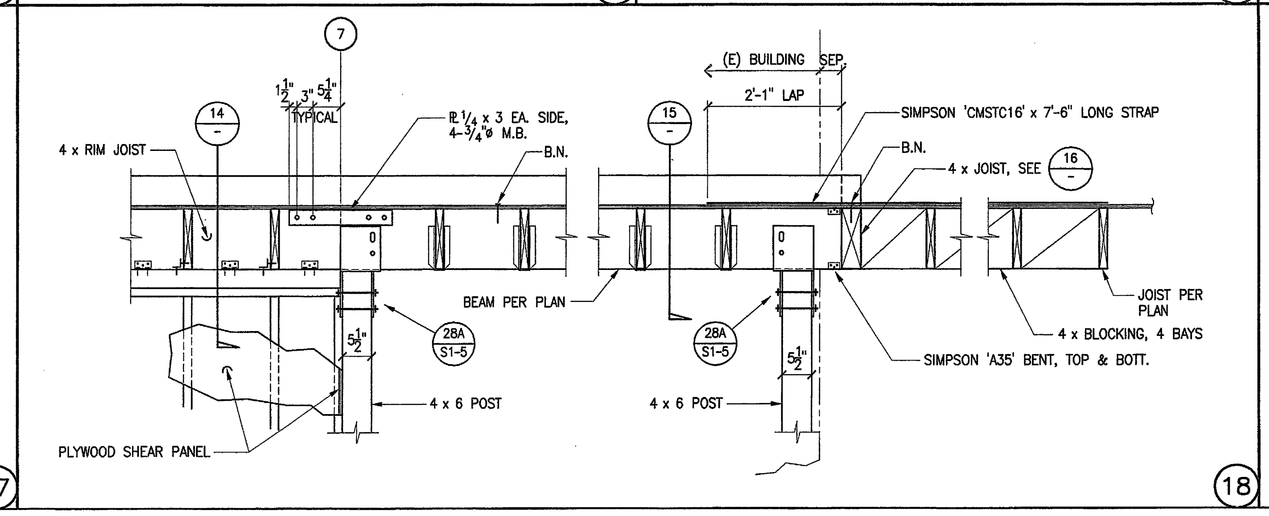


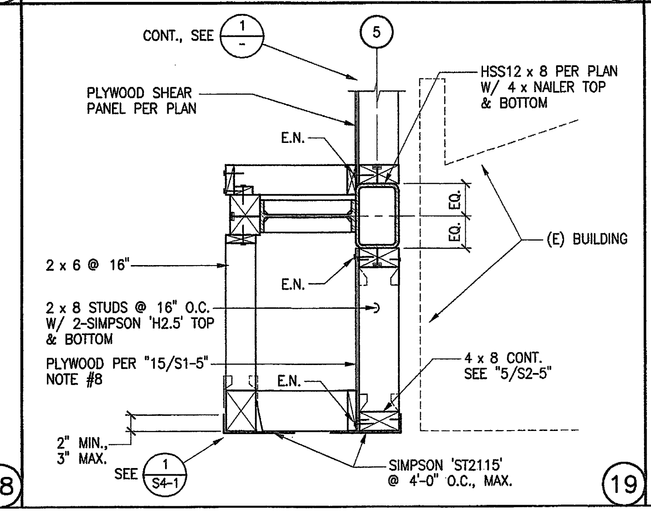


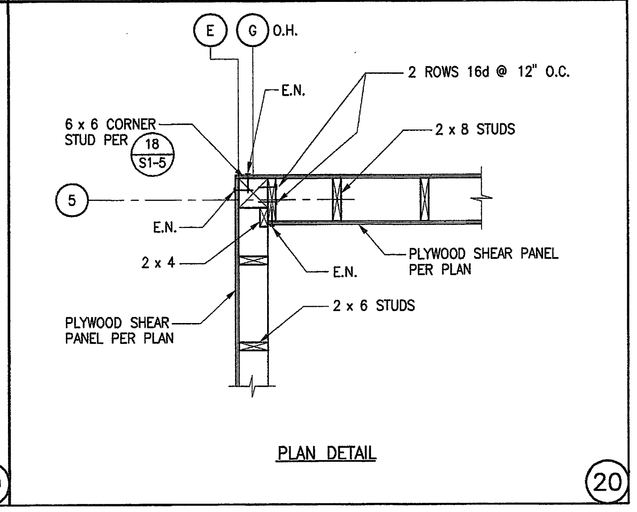












tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

MARTIN, CHOW & HAYABARA, INC.
CONSULTING STRUCTURAL ENGINEERS
1990 S. BUNDY DRIVE, SUITE 705, LOS ANGELES, CA 90025
Voice: 714.979.2005 Fax: 714.979.3559
e-mail: mchow@mchowstructural.com
web: www.mchowstructural.com
consultant

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP. #4-107979
FS SS
DATE SEP 29 2006

San Elijo Student Center
MiraCosta College

MiraCosta College • San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

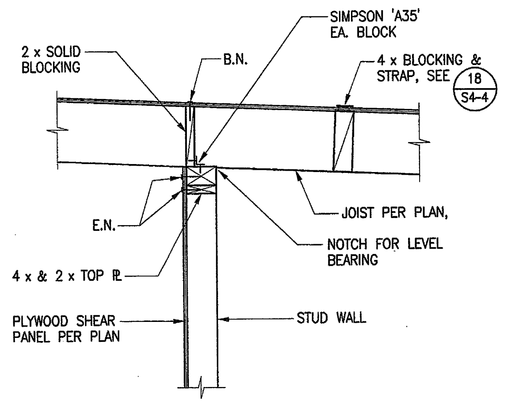
tBP project number : 20469.00
file name: <S4-4.DWG>
drawn by: SD checked by: RAC
date: 4-10-06

Rev	date:	description:

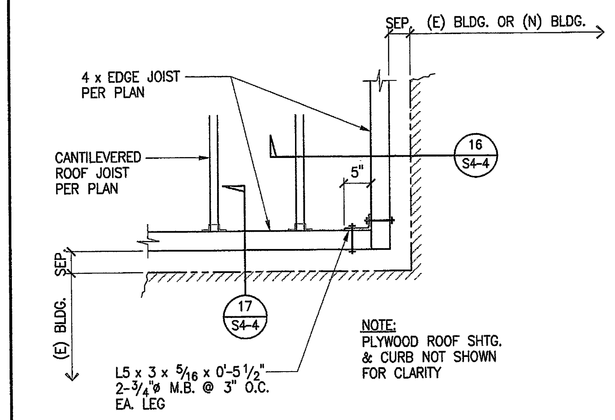
drawing title: DETAILS
building no:

drawing no: S4-4
drawing 70 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

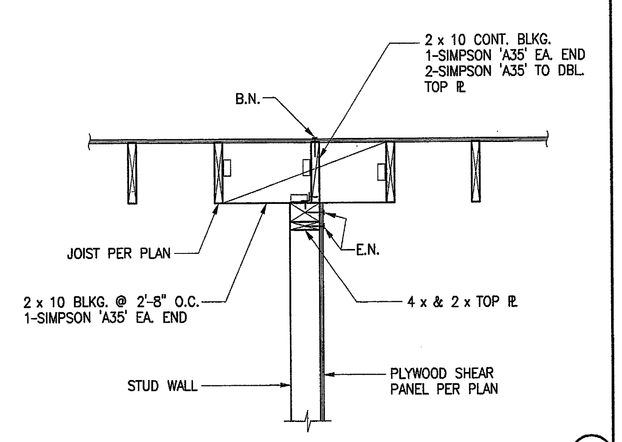


1

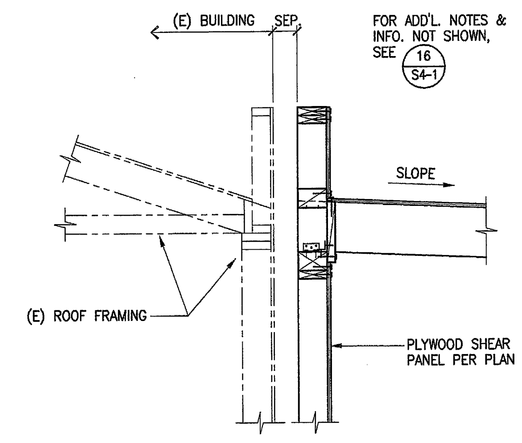


PLAN DETAIL

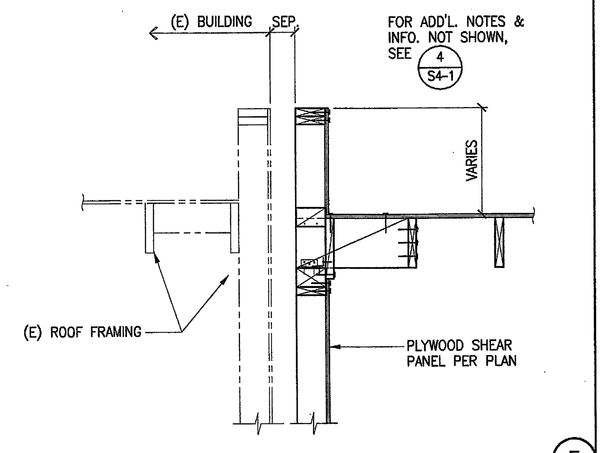
2



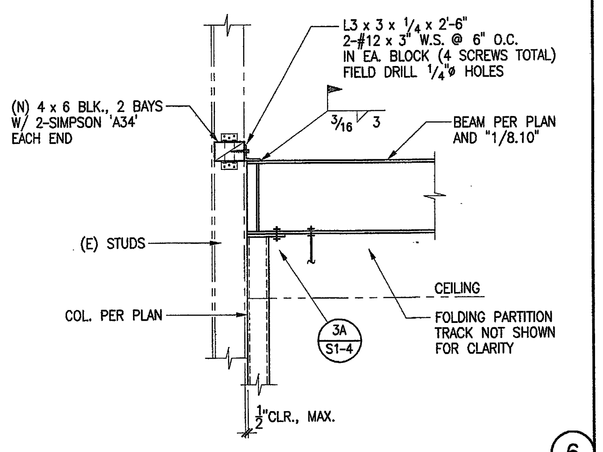
3



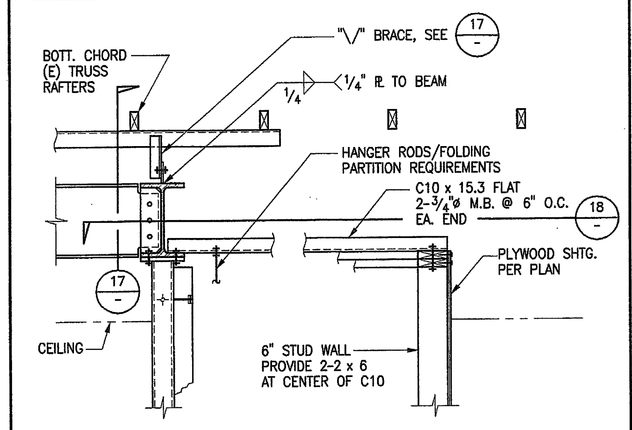
4



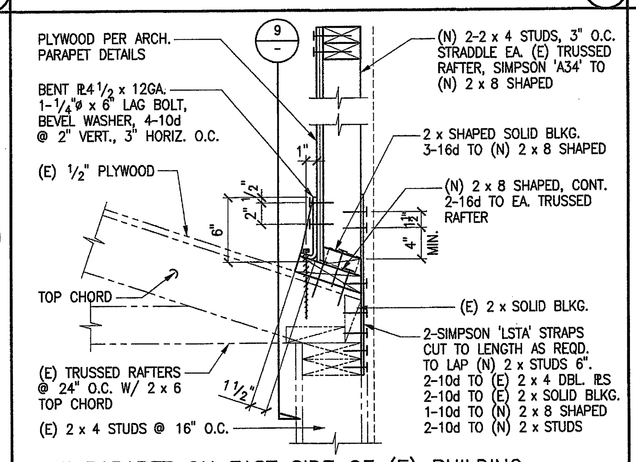
5



6

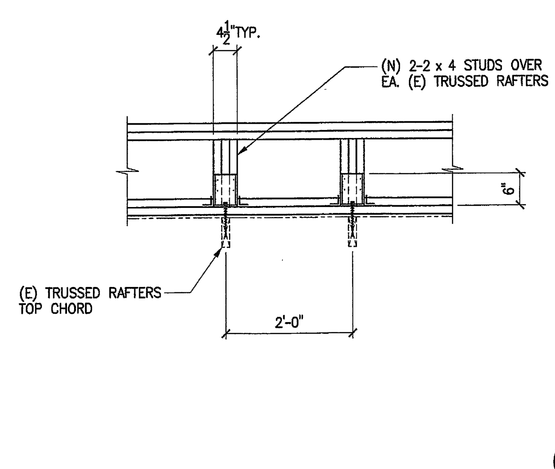


7

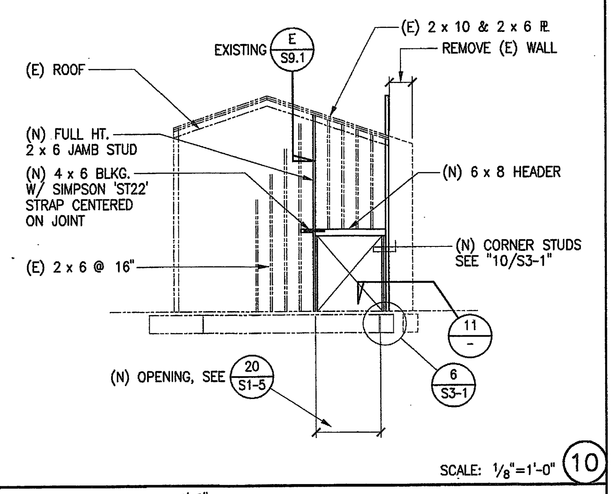


NEW PARAPET ON EAST SIDE OF (E) BUILDING AT GRID LINE '8' BETWEEN GRID LINE 'C' & 'F'

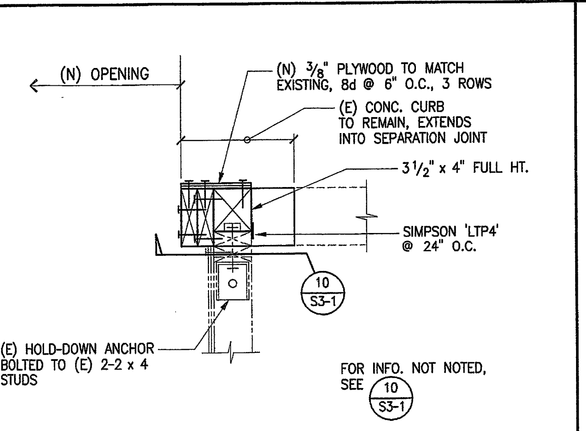
8



9

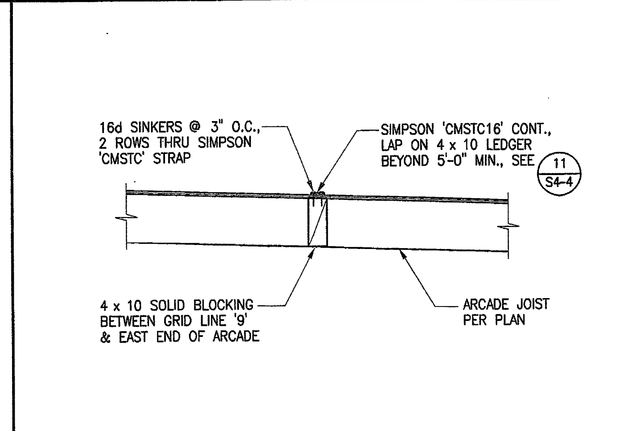


SCALE: 1/8"=1'-0" 10

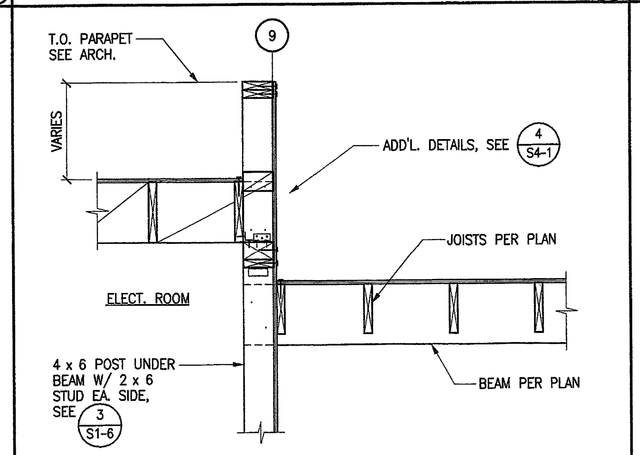


PLAN DETAIL

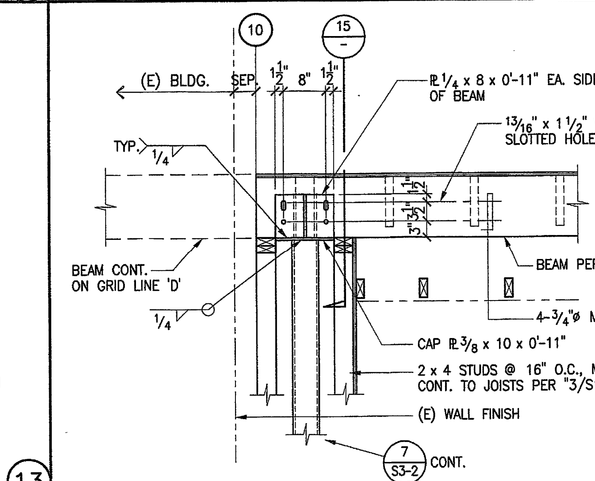
SCALE: 1 1/2"=1'-0" 11



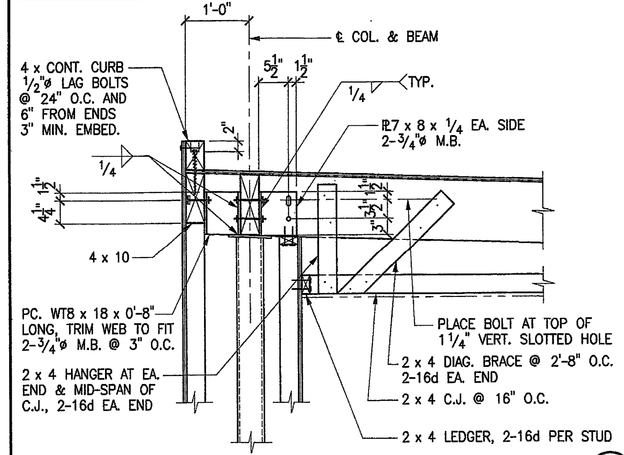
12



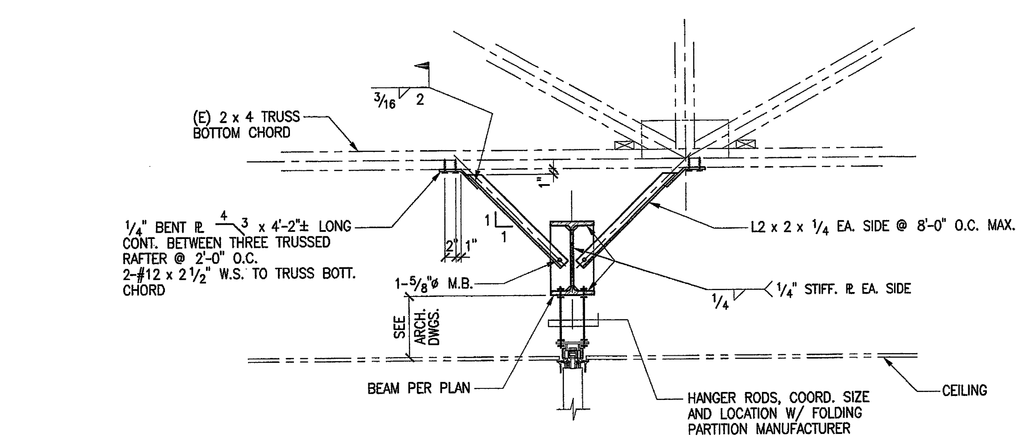
13



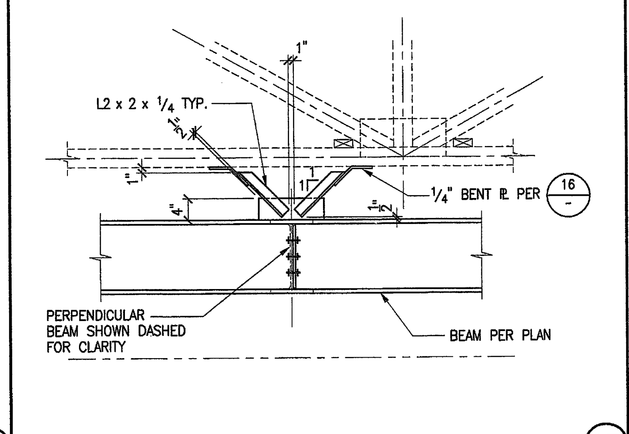
14



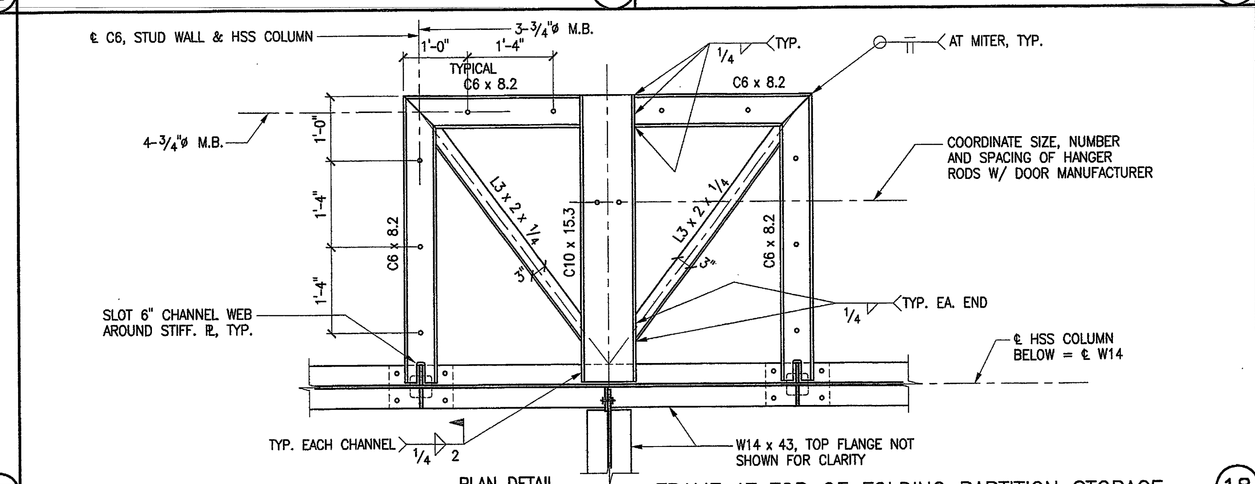
15



16



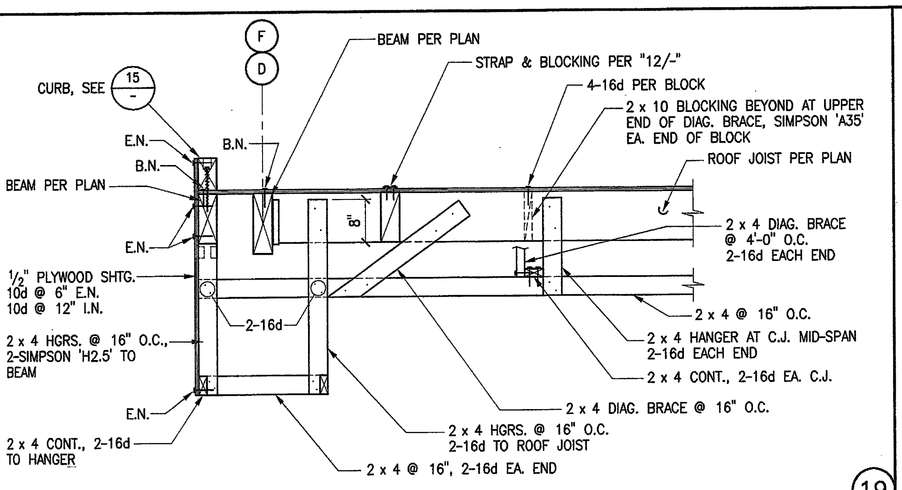
17



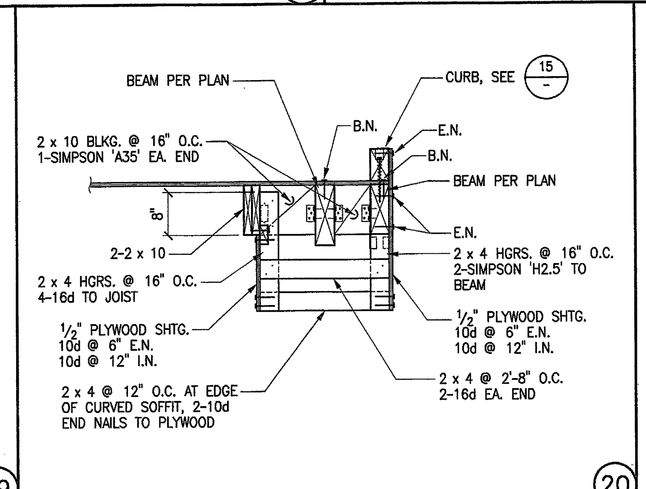
PLAN DETAIL

FRAME AT TOP OF FOLDING PARTITION STORAGE

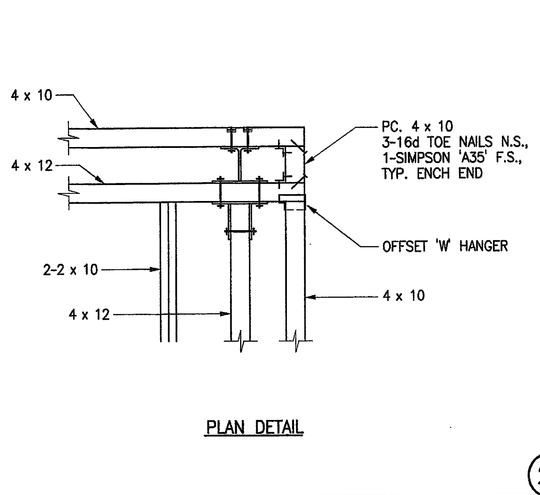
18



19

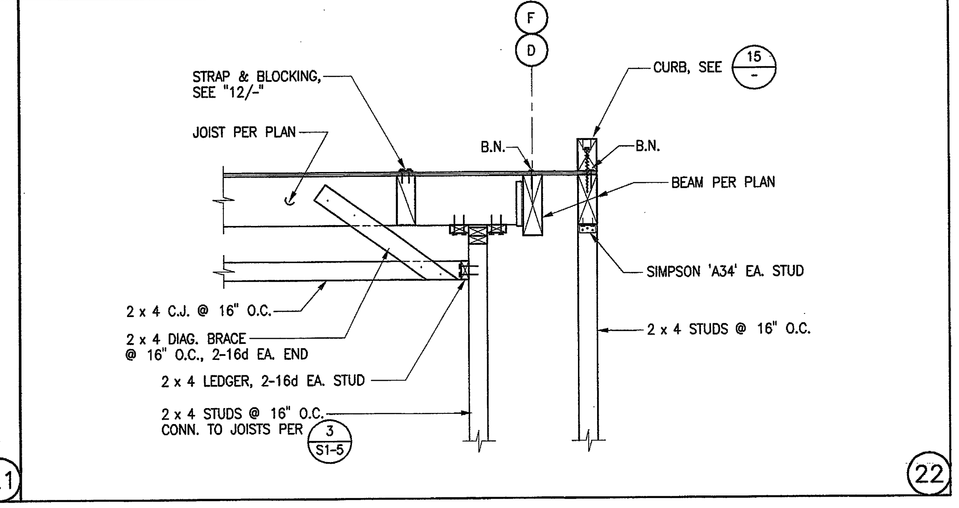


20



PLAN DETAIL

21



22

tBP
architecture
planning
interiors
management

tBP/architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

MARTIN, CHOW & NAKABARA, INC.
CONSULTING STRUCTURAL ENGINEERS
1988 Fourth Avenue, San Diego, CA 92101
(619) 234-3225 FAX: 234-3229
email: richard@mcnstructural.com
MCN0402 CHOW MARTIN NAKABARA 04/22

consultant

EXPIRATION DATE 06/30/2023
REGISTERED PROFESSIONAL ENGINEER RICHARD ALLEN CHOW STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER MARTIN No. 21705 EXP. 6-30-23 STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER NAKABARA No. 21705 EXP. 6-30-23 STATE OF CALIFORNIA

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

EXONERATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP. # 4-107979
BY: ES DATE: SEP 29 2006

San Elijo Student Center
MiraCosta College

MiraCosta College - San Alijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

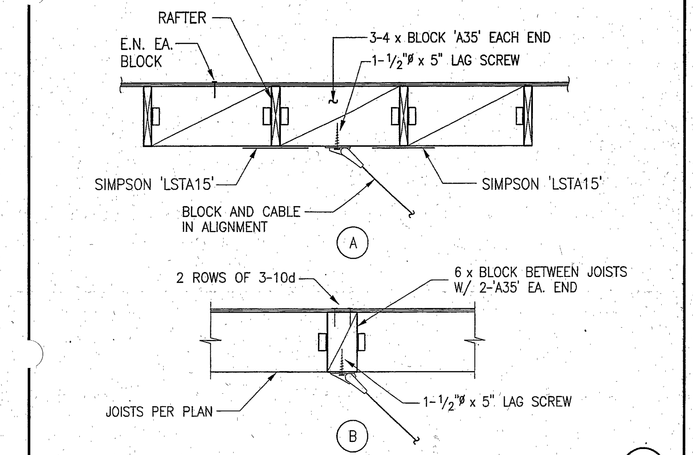
tBP project number : 20489.00
file name: (S4-5.DWG)
drawn by: SD checked by: RAC
date: 4-10-06

Rev:	date:	description:

drawing title: DETAILS
building no:

drawing no: S4-5
drawing 71 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY



TYPICAL SWAY BRACE CONN. TO BLOCKING

24

REVISED DETAIL "24/S4-6"

10-25-06

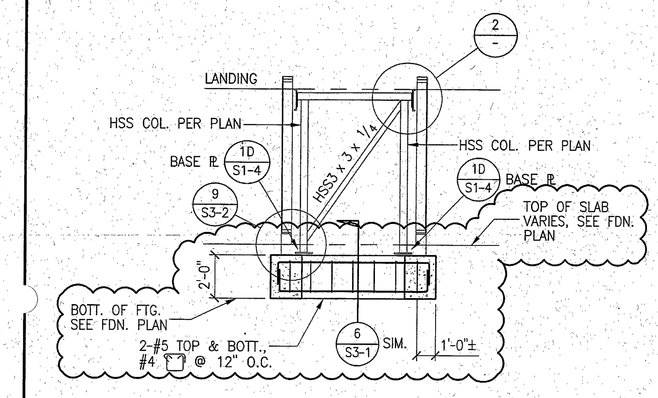
REVISES IN PART SHEET S4-6

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 7146713000 f: 7146713267

architecture planning interiors management

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART	
SHEET:	S4-6
SHEET:	SR-29



REVISED DETAIL "1/S4-6

10-25-06

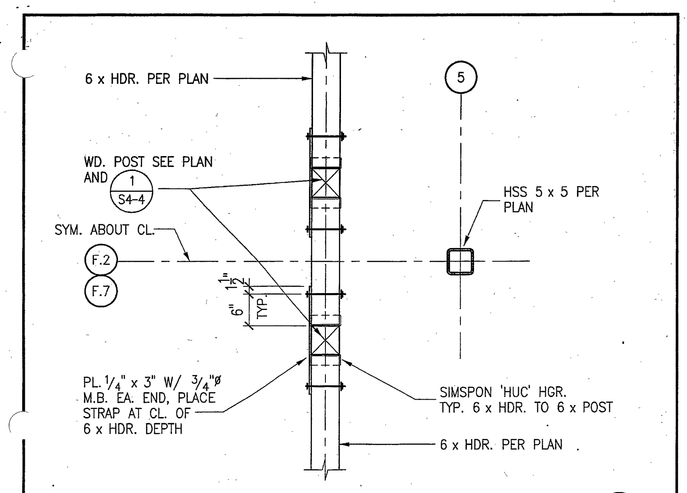
REVISES IN PART SHEET S4-6

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 7146713000 f: 7146713267

architecture planning interiors management

ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART	
SHEET:	S4-6
SHEET:	SR-33



PLAN VIEW

8

NEW DETAIL "8/S4-6"

10-25-06

REVISES IN PART SHEET S4-6

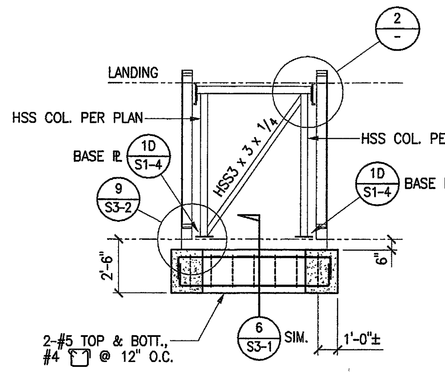
San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 9496713000 f: 9496713267

architecture planning interiors management

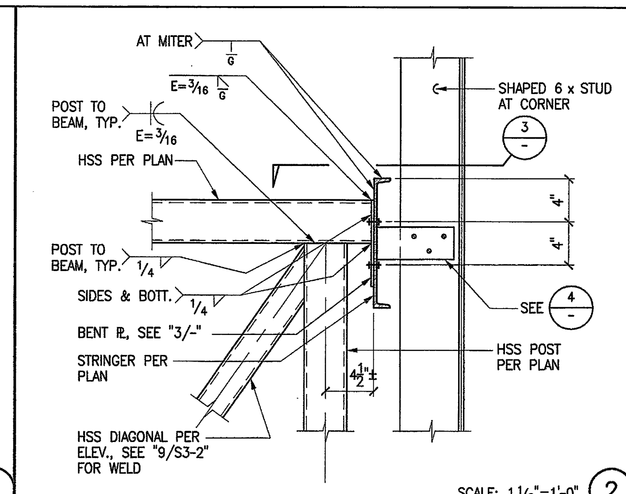
ADDENDUM NO. - 1	
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART	
SHEET:	S4-6
SHEET:	SR-27

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

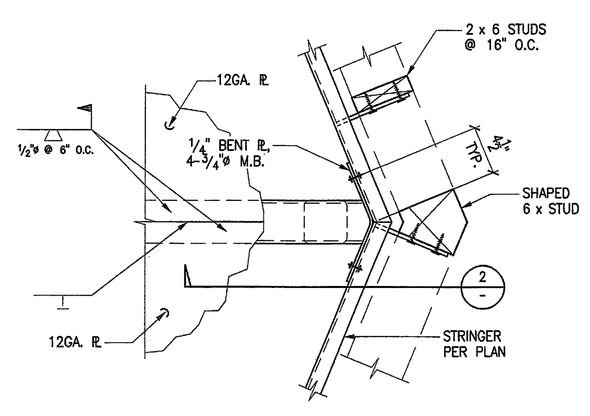


SEE SR-33

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

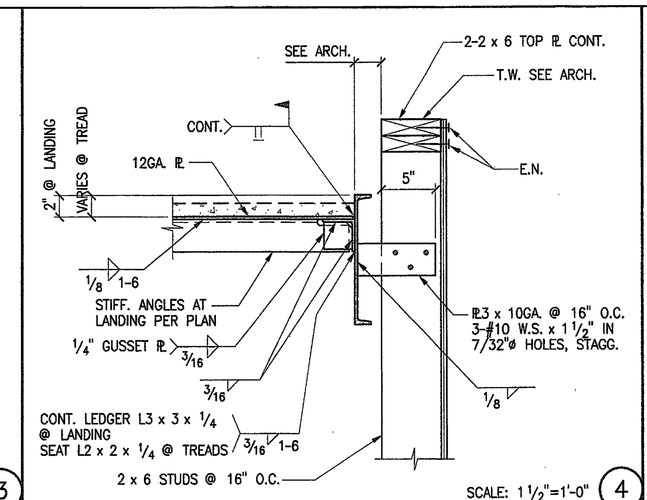


SCALE: 1 1/2"=1'-0" (2)

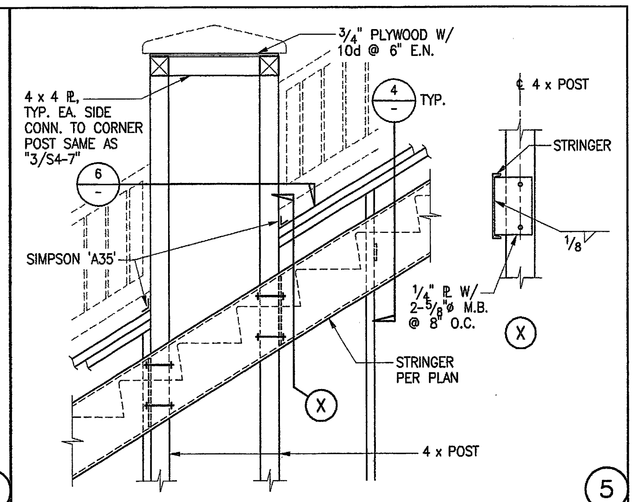


PLAN DETAIL

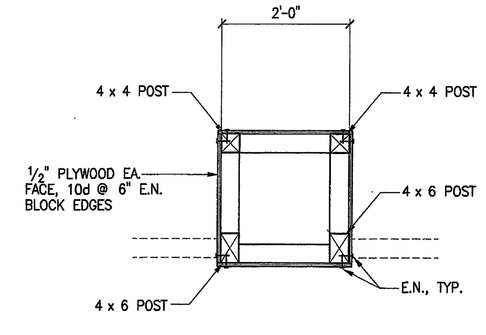
SCALE: 1 1/2"=1'-0" (3)



SCALE: 1 1/2"=1'-0" (4)

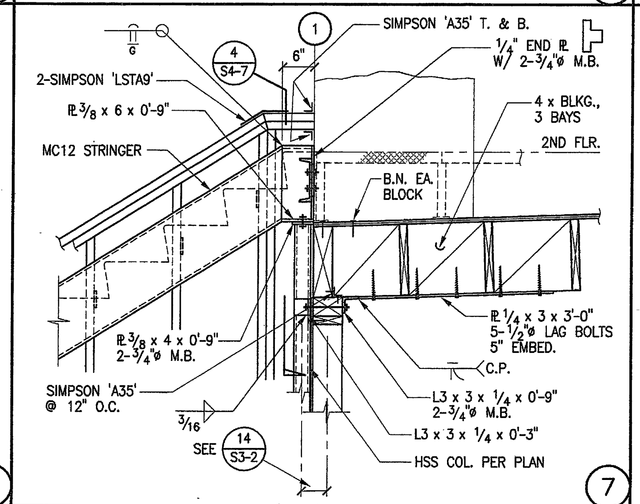


(5)



PLAN DETAIL

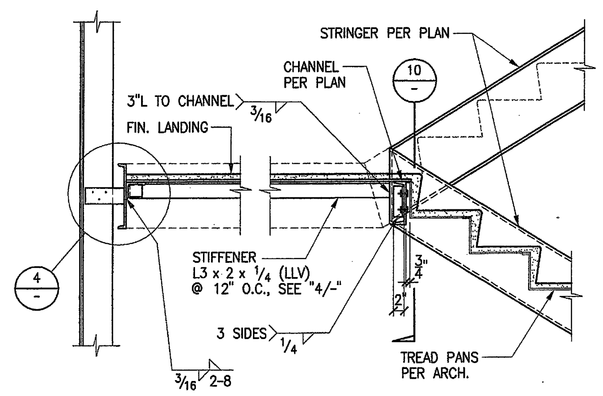
TYPICAL STAIR #1 PIER (6)



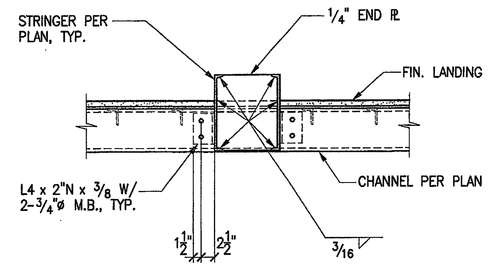
(7)

SEE SR-27

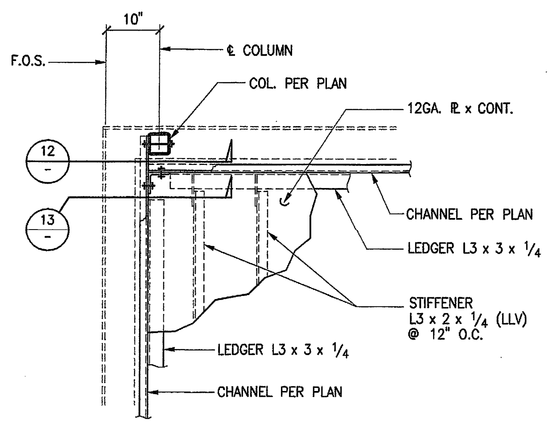
(8)



(9)

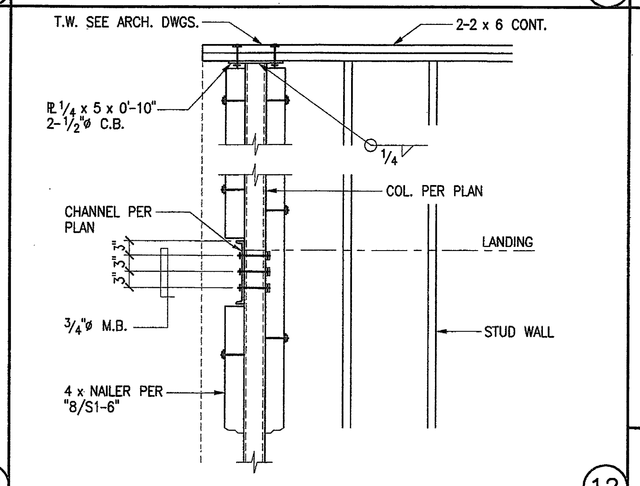


(10)

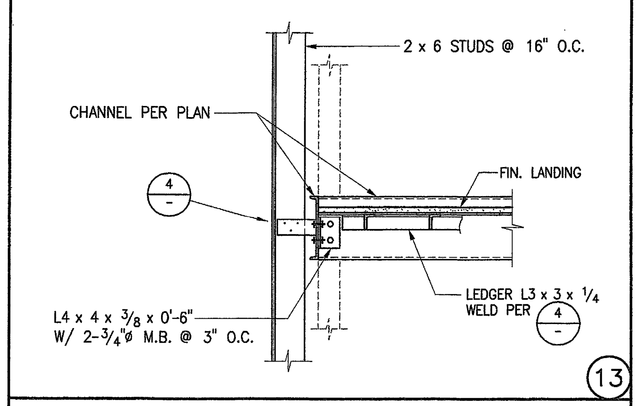


PLAN DETAIL

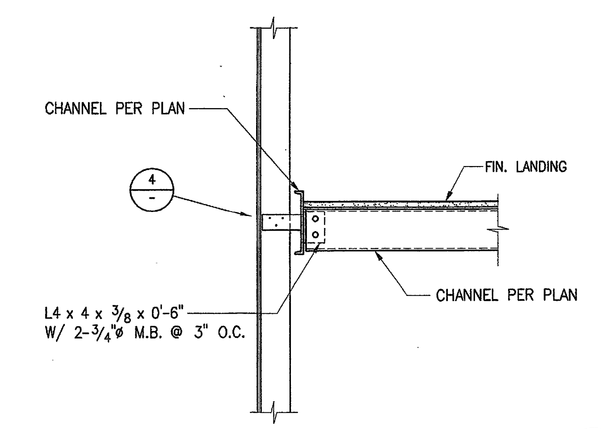
(11)



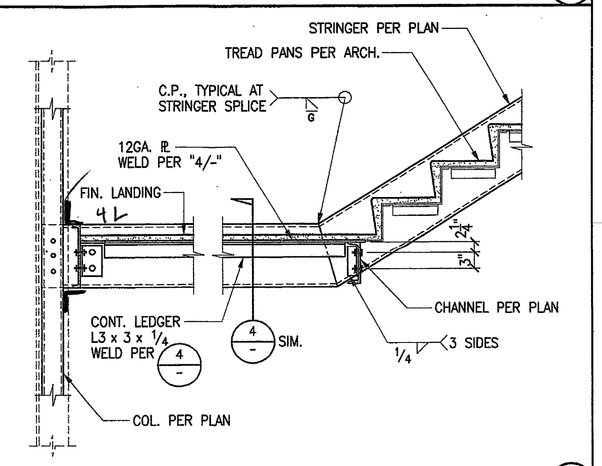
(12)



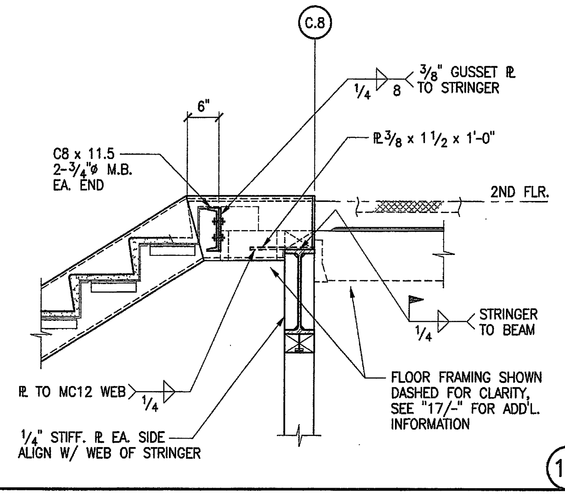
(13)



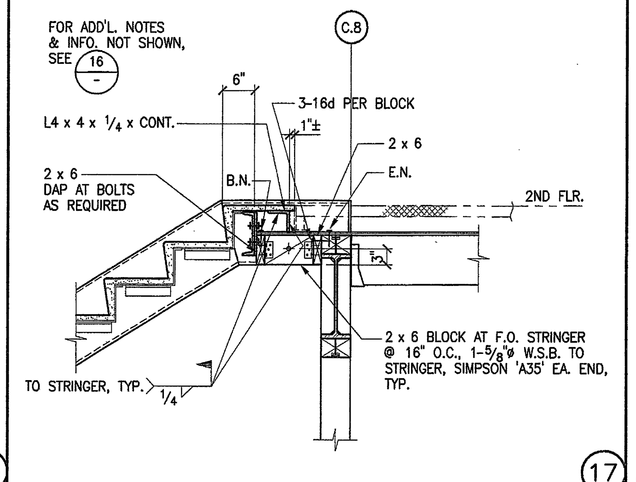
(14)



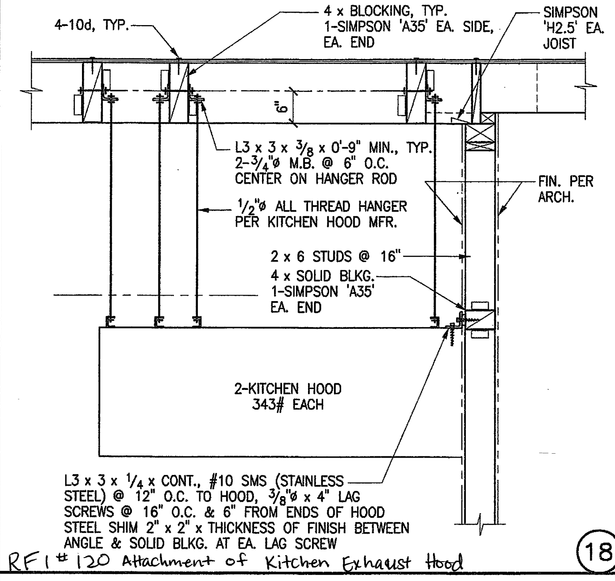
(15)



(16)

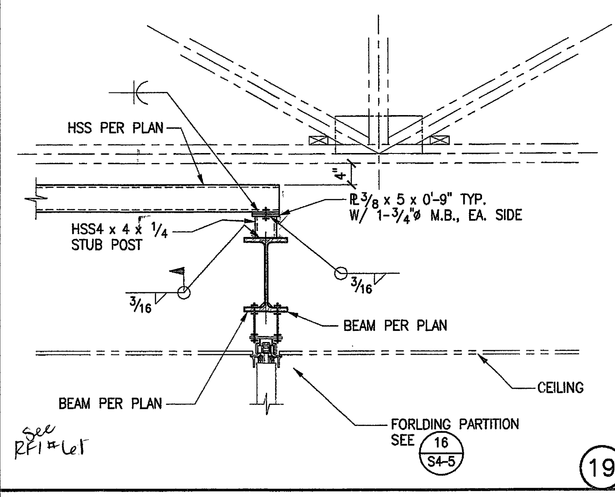


(17)



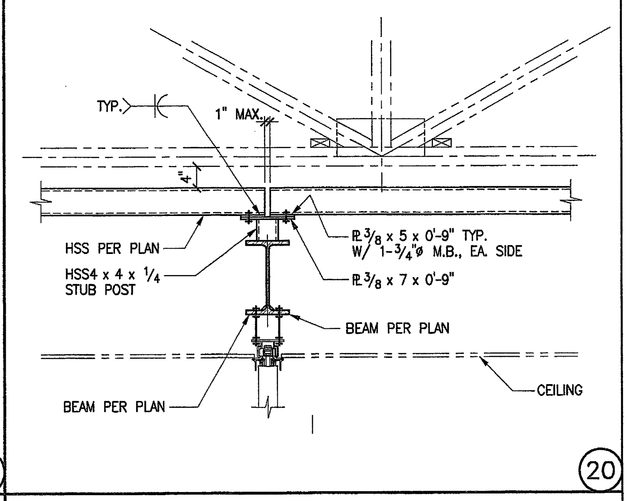
RFI #120 Attachment of Kitchen Exhaust Hood

(18)

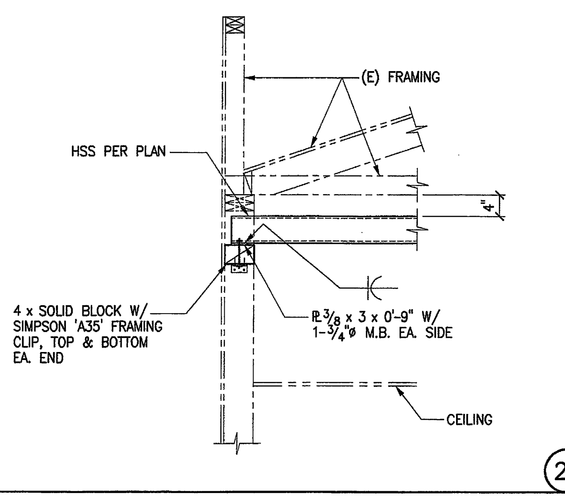


See RFI #161

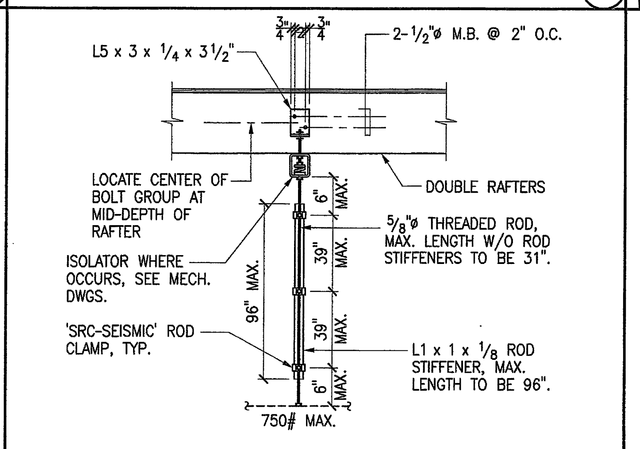
(19)



(20)

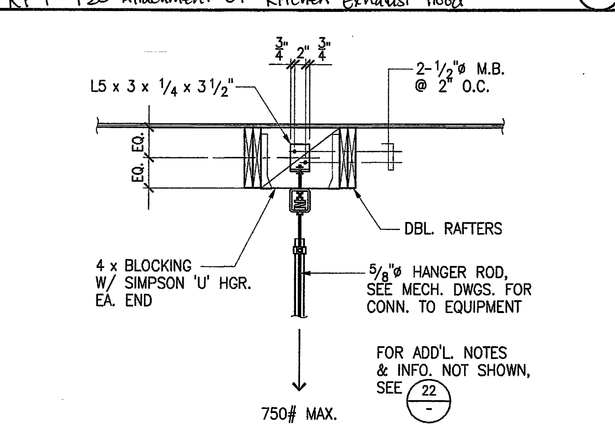


(21)



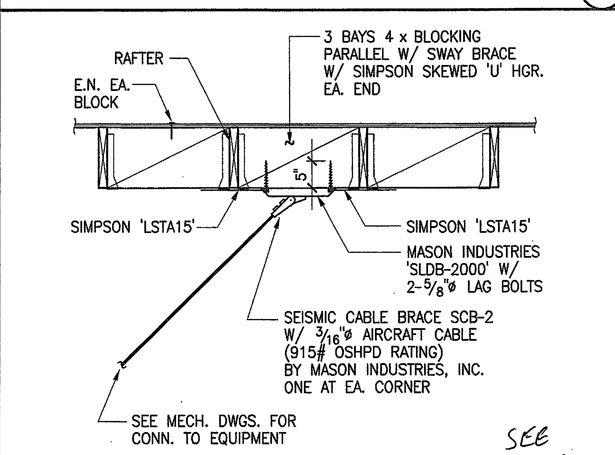
TYPICAL HANGER CONNECTION TO RAFTER

(22)



TYPICAL HANGER CONNECTION TO BLOCKING

(23)



SEE SR-29

TYPICAL SWAY BRACE CONN. TO BLOCKING

(24)

tBP
architecture
planning
interiors
management

tBP/architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

MARTIN, CHOW & NAKABARA, INC.
STRUCTURAL ENGINEERS
2355 Main Street, Suite 210, Irvine, CA 92614
Voice: 714.979.3535 FAX: 714.979.3539
e-mail: mcn@mcneng.com web: www.mcneng.com

consultant

Division of the state architect
16680 west bernardo dr.
san diego, ca. 92127
ph: 858.674.5400 fx: 858.674.5471

agency

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP. # 4-107979
AC. RS SS DL
DATE SEP 29 2006

San Elijo Student Center
MiraCosta College

MiraCosta College - San Alijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

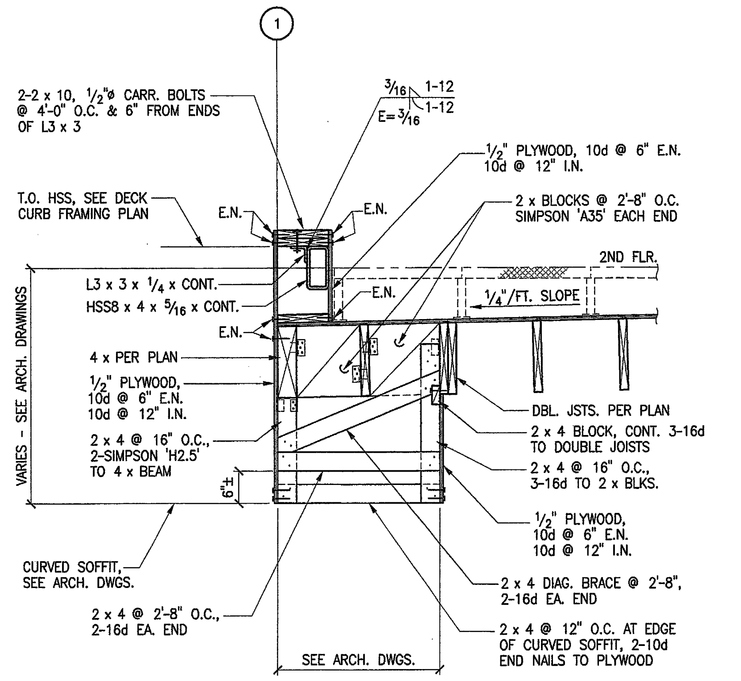
tBP project number : 20489.00
file name: <S4-6.DWG>
drawn by: SD checked by: RAC
date: 4-10-06

Rev:	date:	description:

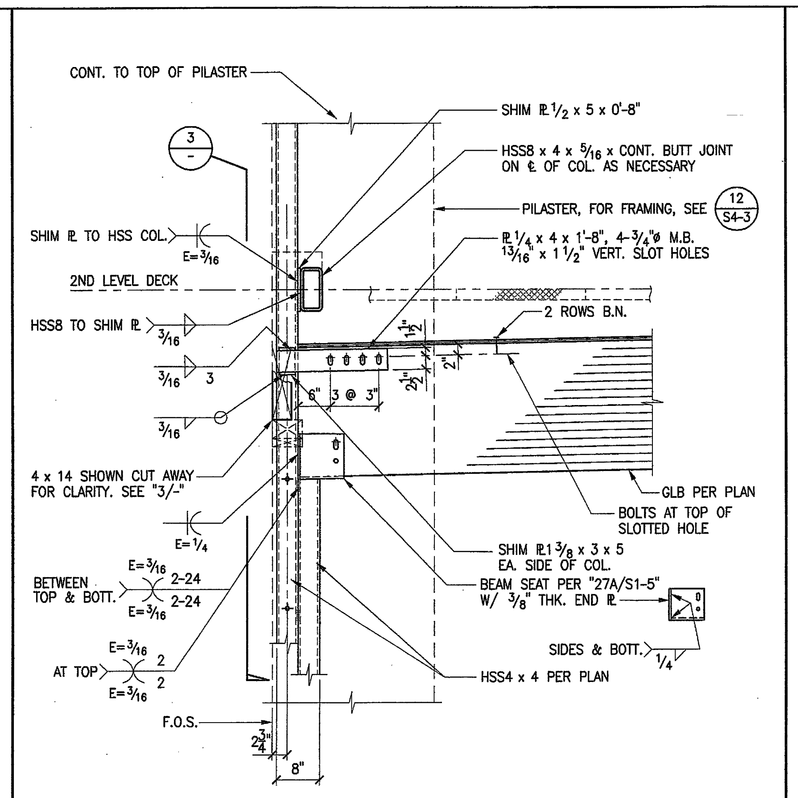
drawing title: DETAILS
building no:

drawing no: S4-6
drawing 72 of 109

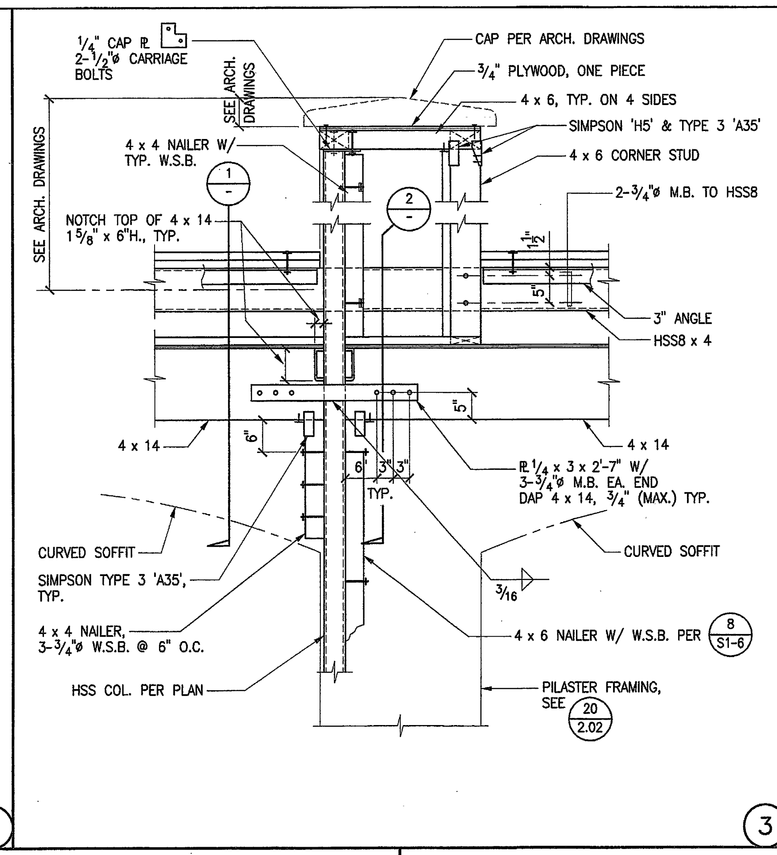
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



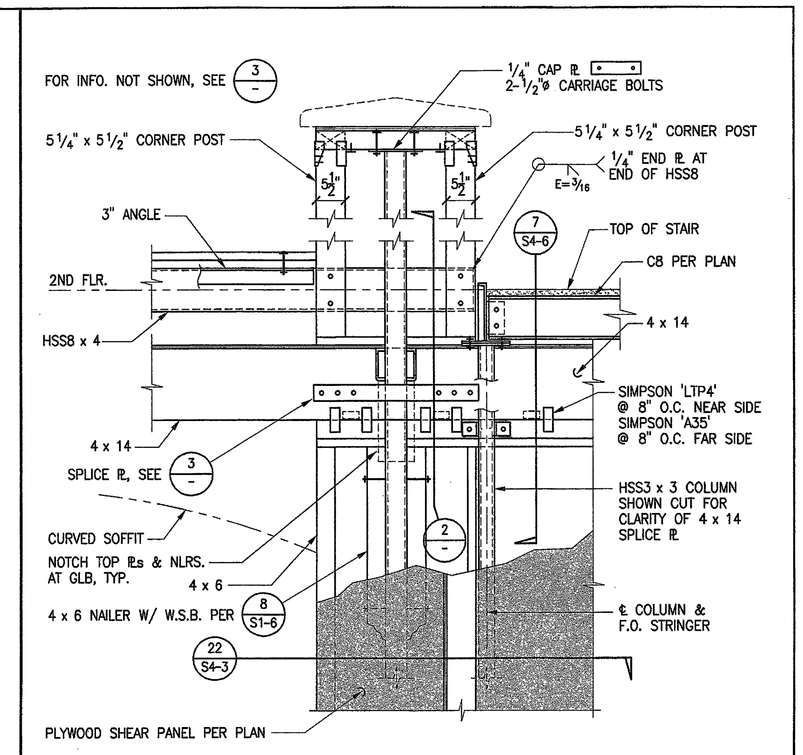
1



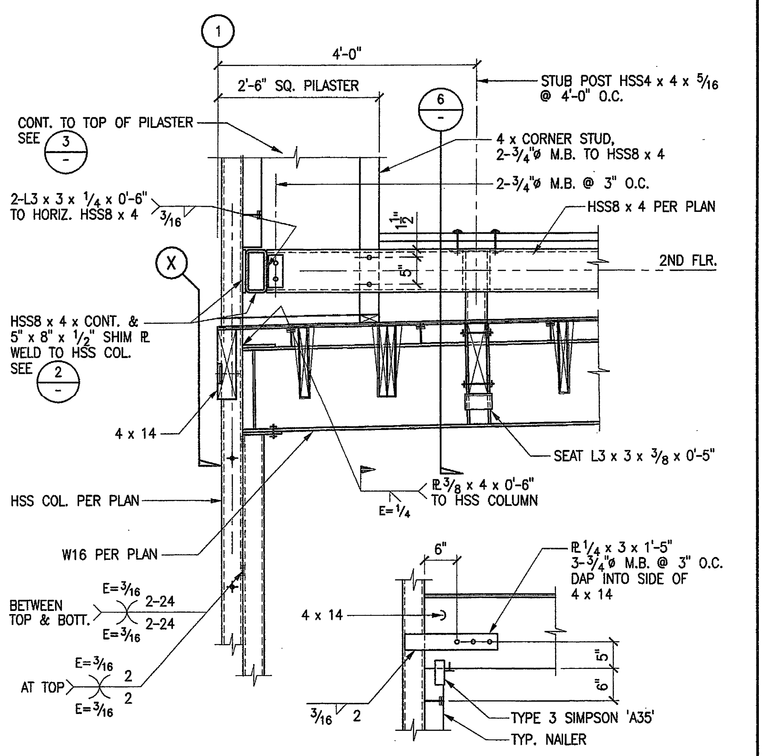
2



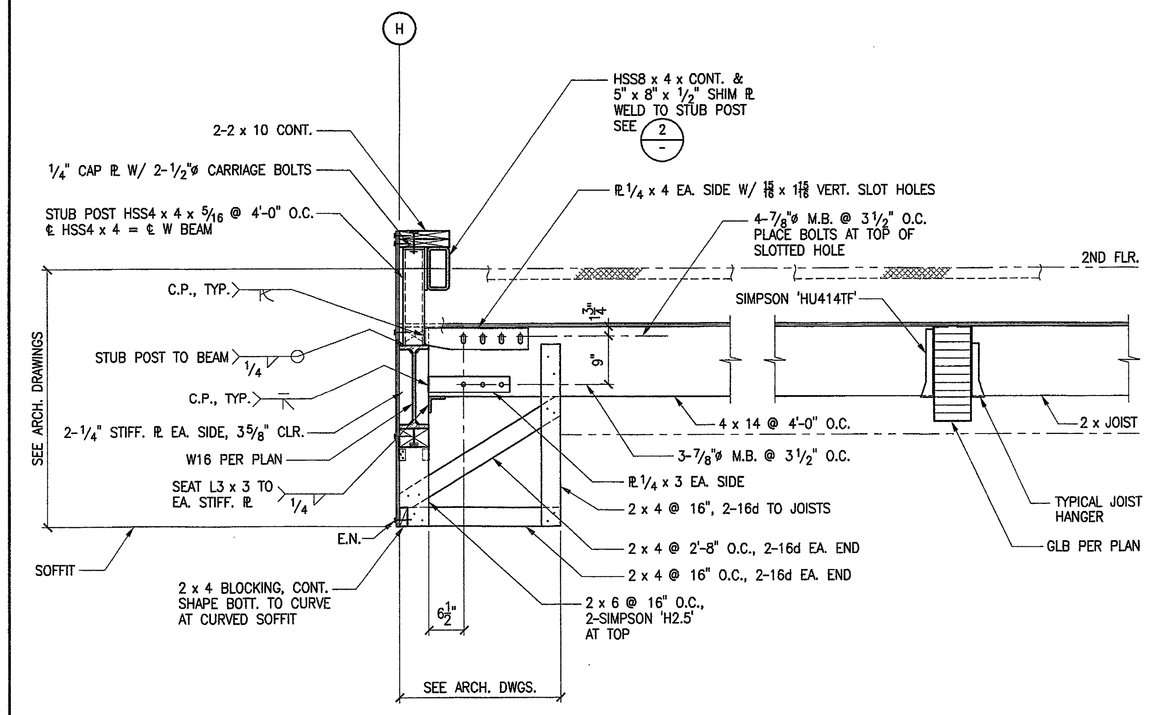
3



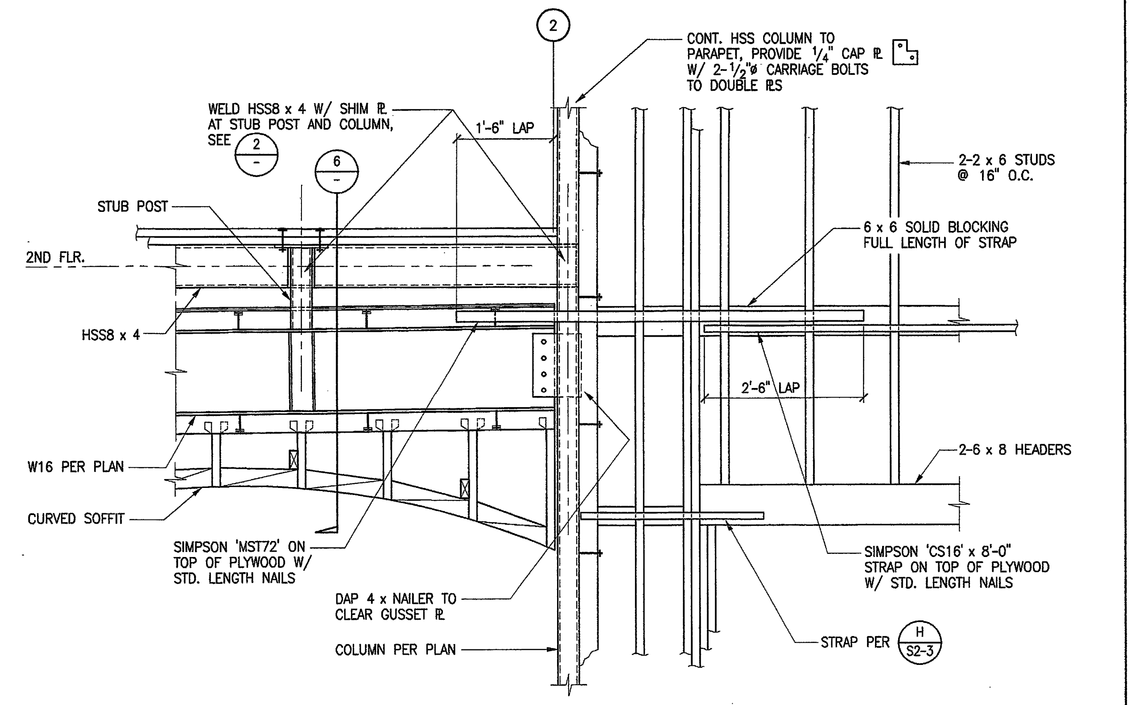
4



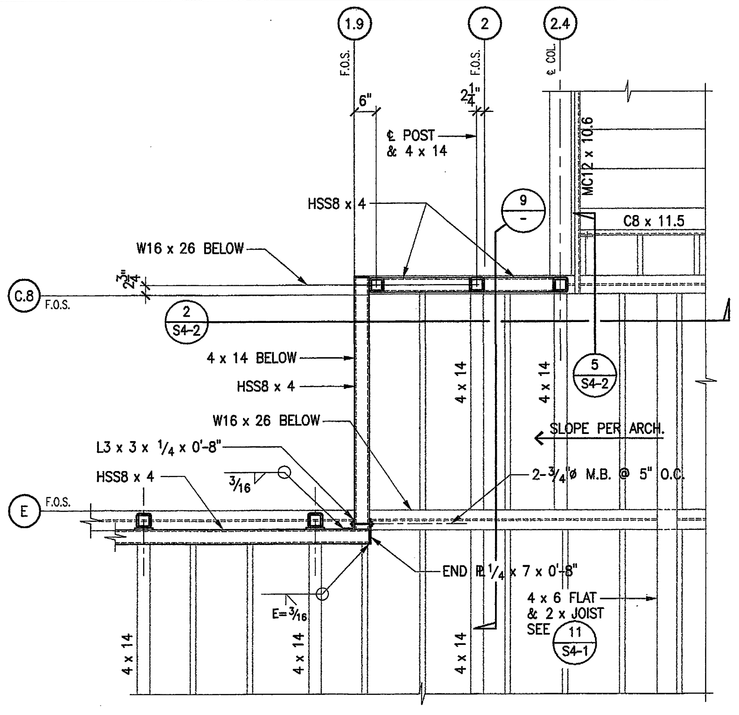
5



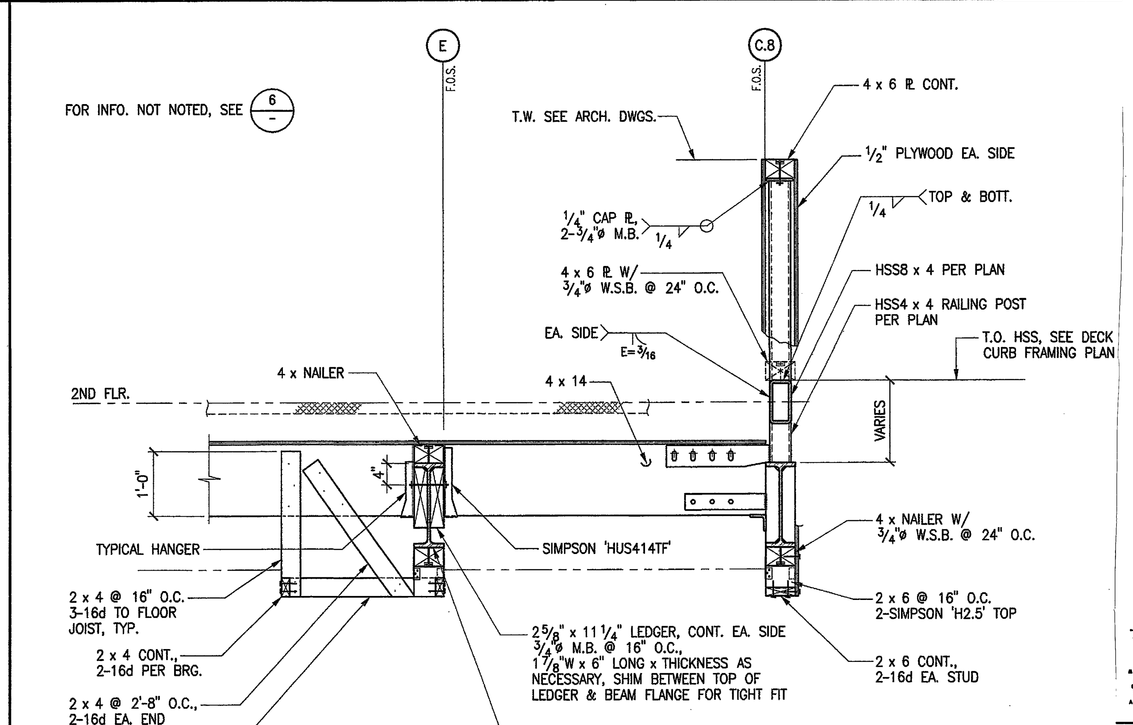
6



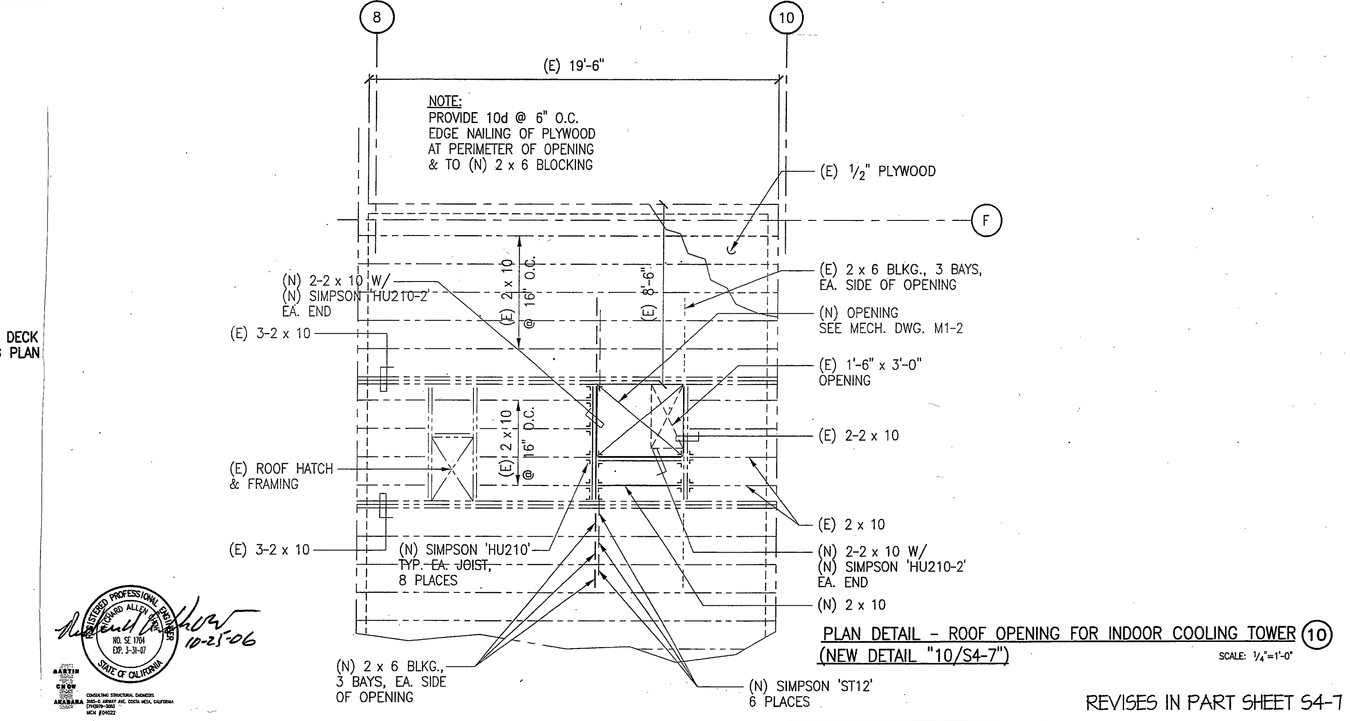
7



8



9



10

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

MARTIN, CHOW & NAKABARA, INC.
CONSULTING STRUCTURAL ENGINEERS
1611 S. PACIFIC COAST HWY. SUITE 201, REDONDO BEACH, CA 90277
PHONE: 714.879.3255 FAX: 714.879.3259
e-mail: mcneng@mcneng.com web: www.mcneng.com
consultant

Division of the state architect
16680 west bernardo dr.
san diego, ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

DSA APPROVED
APP. NO. 02023
DATE: SEP 29 2006
DSA #4-107979
AC. SS
DATE: SEP 29 2006

MiraCosta College - San Alijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007

owner

project #: 20489.00

drawing file: S4-7.DWG

checked by: RAC

description:

building no:

drawing no: S4-7

drawing 73 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

HVAC ABBREVIATIONS AND SYMBOL LISTS

HVAC ABBREVIATIONS

AAV	AUTOMATIC AIR VENT
AC	AIR CONDITIONING
ACD	AUTOMATIC CONTROL DAMPER
ACU	AIR CONDITIONING UNIT
ACV	AUTOMATIC CONTROL VALVE
AD	ACCESS DOOR
AF	AIR FOIL
AFF	ABOVE FINISHED FLOOR
AFS	AUTOMATIC FIRE SPRINKLER
AHU	AIR HANDLING UNIT
AMB	AMBIENT
AMD	AIR MEASURING DEVICE
AN	PIPE ANCHOR
ANV	ANGLE VALVE
AP	ACCESS PANEL
ARCH	ARCHITECTURAL
AT	AIR TERMINAL
ATC	AUTOMATIC TEMPERATURE CONTROL
BC	BALANCING COCK
BDD	BACK DRAFT DAMPER
BFV	BUTTERFLY VALVE
BHP	BRAKE HORSEPOWER
BI	BACKWARD INCLINED
BIW	BACKWARD INCLINED WHEEL
BLV	BALL VALVES
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
BV	BALANCING COCK
BOP	BOTTOM OF PIPE
BOD	BOTTOM OF DUCT
CC	COOLING COIL
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	CEILING
COMP	COMPRESSOR
COND	CONDENSATE
CONT	CONTINUATION
COP	COEFFICIENT OF PERFORMANCE
CT	FACTORY-FABRICATED COOLING TOWER
CU	CONDENSING UNIT
CV	CHECK VALVE
C	FLOW COEFFICIENT
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DROP
D-D	DOUBLE DEFLECTION (PATTERN)
DAD	DUCT ACCESS DOOR
DB	DRY BULB
DIAM	DIAMETER
DIFF	DIFFUSER
DL	DOOR LOUVER
DR	DRAIN
E (NAME)	EXISTING PIPE
ESP	EXTERNAL STATIC PRESSURE
EA	EXHAUST AIR
EAR	EXHAUST AIR REGISTER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ENT	ENTERING
ER	ECCENTRIC REDUCER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
F	FILTER
°F	DEGREE FAHRENHEIT
F&BP	FACE AND BYPASS DAMPERS
F&T	FLOAT AND THERMOSTATIC TRAPS
FLA	FULL LOAD AMPERAGE
FA	FREE AREA
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FIN	FINISHED
FLR	FLOOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOW SWITCH
FT	FEET
FF	FINISHED
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GAS COCK
GLV	GLOBE VALVE
GPM	GALLONS PER MINUTE
GV	GATE VALVE
H	HIGH
HB	HOSE BIBB
HC	HEATING COIL
HEPA-AF	HIGH EFFICIENCY PARTICULATE AIR FILTERS
HP	HORSEPOWER
HPR	HIGH PRESSURE RETURN
HPS	HIGH PRESSURE STEAM
HVAC	HEATING, VENTILATING AND AIR-CONDITIONING
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
KW	KILOWATT
L	LONG
LRA	LOCKED ROTOR (AMPERAGE)
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LD	LINEAR DIFFUSER
LDB	LEAVING DB TEMPERATURE
LIN FT	LINEAR FEET
LPR	LOW-PRESSURE RETURN
LPS	LOW-PRESSURE STEAM
LVG	LEAVING
LWB	LEAVING WB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE

MAV	MANUAL AIR VENT
MAX	MAXIMUM
MB	MIXING BOX
MBH	THOUSAND BTU PER HOUR
MCC	MOTOR CONTROL CENTER
MG	GAS - MEDIUM PRESSURE
MIN	MINIMUM
MOT	MOTOR
MPR	MEDIUM PRESSURE RETURN
MPS	MEDIUM PRESSURE STEAM
MU	MAKE-UP WATER
MV	MOTOR OPERATED VALVE
MVD	MANUAL VOLUME DAMPER
MZ-AHU	MULTI-ZONE AIR HANDLING UNITS
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO.	NUMBER
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OBD	OPPOSED BLADE DAMPER
OAI	OUTSIDE AIR INTAKE
OD	OUTSIDE DIAMETER
OPW	OPERATING WEIGHT
OSA	OUTSIDE AIR
OV	OUTLET VELOCITY
OPNG	OPENING
PD	PRESSURE DROP
PF	PERFORATED (FACE)
PG	PRESSURE GAUGE
PH	PHASE (ELECTRICAL)
POC	POINT OF CONNECTION
POR	POINT OF REMOVAL
PRSS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
PSIA	PSI ABSOLUTE
PSIG	PSI GAUGE
PT	PLUGGED TEE
PTR	PRESSURE-TEMPERATURE RELIEF VALVE
PVC	POLYVINYL CHLORIDE PIPE
R	RISE
RLA	RATED LOAD (AMPERAGE)
RA	RETURN AIR
RAR	RETURN AIR REGISTER
RAG	RETURN AIR GRILLE
RCT	RECTANGULAR (FACE)
RD	REFRIGERANT DISCHARGE LINE
RD	ROOF DRAINS
REG	REGISTER
RG	RELIEF GRILLE
RHC	REHEATING COIL
RL	REFRIGERANT LIQUID LINE
RPM	REVOLUTION PER MINUTE
RS	REFRIGERANT SUCTION LINE
RV	RELIEF VALVE
SA	SUPPLY AIR
SAC	SPLIT AIR CONDITIONER
SAD	SUPPLY AIR DIFFUSER
SAR	SUPPLY AIR REGISTER
SD	SMOKE DAMPER
SEER	SEASONAL ENERGY-EFFICIENCY RATIO
SENS	SENSIBLE
SF	SUPPLY FAN
SHR	SENSIBLE HEAT RATIO
SMACNA	SHEET METAL & AC NATIONAL ASSOCIATION
SMD	AUTOMATIC SMOKE DAMPER
SOH	SHUT OFF HEAD
SOV	SHUT OFF VALVE
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SQ	SQUARE (FACE)
SQ. FT.	SQUARE FOOT
ST	SOUND TRAP
STR	STRAINER
TA	THROW AWAY (FILTER)\
TC	TEMPERATURE CONTROL
TCP	TEMPERATURE CONTROL PANEL
TCV	AUTOMATIC TEMPERATURE CONTROL VALVE
TD	TRANSFER DUCT
TDH	TOTAL DYNAMIC HEAD
TEFC	TOTALLY ENCLOSED FAN-COOLED MOTOR
TOP	TOP OF PIPE
TOD	TOP OF DUCT
TEMP	TEMPERATURE
TG	TRANSFER GRILLE
TH	THERMOMETER
TV	TURNING VANES
TW	THERMOMETER WELL
TYP	TYPICAL
UC	UNDERCUT (DOOR)
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORY
UN	UNION
UTR	UP THRU ROOF
UV	UNIT VENTILATOR
V	VENT OR ATMOSPHERIC RELIEF
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VIL	VERTICAL IN-LINE
VTR	VENT THRU ROOF
W	WIDE
W/	WITH
W-CLR	WATER COOLER
W C	WATER COOLED
W G	WATER GAUGE (PRESSURE)
W/O	WITHOUT
WB	WET BULB
WBT	WET BULB TEMPERATURE
WG	WATER GAUGE
WMS	WIRE MESH SCREEN
WP	WORKING PRESSURE
1-W	ONE WAY (PATTERN)
2-W	TWO WAY (PATTERN)
3-W	THREE WAY (PATTERN)
4-W	FOUR WAY (PATTERN)

PIPING SYMBOLS

- PIPING BRANCH
- PIPE DROP
- PIPE RISE
- PITCH OF PIPE RISE
- PITCH OF PIPE DROP
- UNION
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER, FLAT TOP
- FLANGED CONNECTION
- DEAD END, SCREWED CAP
- DEAD END, WELDED CAP
- EXPANSION LOOP
- PIPE ALIGNMENT GUIDE
- PIPE ANCHOR
- GATE VALVE
- GLOBE VALVE
- "Y" TYPE STRAINER
- AUTOMATIC AIR VENT
- PRESSURE REDUCING VALVE
- RELIEF VALVE
- AUTOMATIC TEMPERATURE CONTROL VALVE – 2 OR 3 WAY
- BALANCING OR PRESSURE GAUGE COCK
- AUTOMATIC FLOW CONTROL VALVE
- FLOW MEASURING DEVICE
- MANUAL AIR VENT
- CHECK VALVE, SWING OR LIFT
- SILENT CHECK VALVE
- BUTTERFLY VALVE
- BALL VALVE
- SOLENOID VALVE
- ELECTRIC MOTORIZED VALVE OPERATOR
- PNEUMATIC VALVE OPERATOR
- THERMOMETER AND WELL
- PRESSURE GAUGE
- PUMP
- FLEXIBLE PIPE CONNECTION
- RS — REFRIGERANT SUCTION LINE
- RL — REFRIGERANT LIQUID LINE
- RD — REFRIGERANT DISCHARGE LINE
- CWS — CONDENSER WATER SUPPLY
- CWR — CONDENSER WATER RETURN
- V — VENT OR ATMOSPHERIC RELIEF
- DR — CONDENSATE DRAIN (SLOPED)
- CHWS — CHILLED WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- HPS — HIGH PRESSURE STEAM
- MPS — MEDIUM PRESSURE STEAM
- LPS — LOW PRESSURE STEAM
- HPR — HIGH PRESSURE RETURN
- MPR — MEDIUM PRESSURE RETURN
- LPR — LOW PRESSURE RETURN
- E(NAME) — EXISTING PIPE
- XX E(NAME) XX — EXISTING PIPE TO BE REMOVED

1. SYMBOLS AND ABBREVIATIONS ARE SHOWN FOR REFERENCE; NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED.
2. ALL NOTES ON THIS SHEET REMAIN PART OF THE CONTRACT DOCUMENTS.

COORDINATION

1- THESE DRAWINGS ARE DIAGRAMMATIC AND SHOW IN GENERAL WHERE THE DUCTWORK, PIPING AND OTHER WORK SPECIFIED IN THE 15000 SECTIONS OF THE SPECIFICATIONS IS TO BE LOCATED. THE DRAWINGS DO NOT NECESSARILY INDICATE ANY AND ALL OFFSETS AND CONFIGURATIONS REQUIRED FOR COORDINATION WITH THE SPACE REQUIREMENTS OF OTHER TRADES. THE CONTRACTOR IS RESPONSIBLE FOR THE CORRECT PLACING, LOCATION, AND CONNECTION OF THIS WORK IN RELATION TO THE WORK OF OTHER TRADES.

2- THE CONTRACTOR SHALL EXAMINE ALL MECHANICAL, ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND OTHER DRAWINGS THAT HAVE BEEN PREPARED FOR THIS PROJECT, AND ACCEPT SUCH CONDITIONS, AND MAKE ALLOWANCES FOR THEM IN PREPARING HIS BID.

DUCT WORK SYMBOLS

- RETURN AIR DUCT UP
- SUPPLY AIR DUCT UP
- EXHAUST AIR DUCT UP
- RETURN AIR DUCT DOWN
- SUPPLY AIR DUCT DOWN
- EXHAUST AIR DUCT DOWN
- OR — ELBOWS WITH TURNING VANES
- OR — TEE DUCT WITH TURNING VANES
- OR — DUCT WITH ACOUSTICAL LINING
- OR — DUCT DROP
- OR — DUCT RISE
- OR — TRANSITION SQUARE TO ROUND
- OR — ROUND TO ROUND
- OR — FLEXIBLE DUCT
- OR — FLEXIBLE CONNECTION
- OR — RADIUS ELBOW
- 300 CFM OR 300 CFM — SUPPLY AIR RECTANGULAR CEILING DIFFUSER 4-WAY AIR FLOW UNLESS SPECIFIED ON THE FLOOR PLANS, 300 CFM, SEE AIR DISTRIBUTION SCHEDULE FOR SIZE AND MODEL
- 250 CFM OR 250 CFM — RETURN AIR RECTANGLAR CEILING REGISTER /GRILLE, 250 CFM, SEE AIR DISTRIBUTION SCHEDULE FOR SIZE AND MODEL
- 350 CFM OR 350 CFM — EXHAUST AIR GRILLE, 350 CFM, SEE AIR DISTRIBUTION SCHEDULE FOR SIZE AND MODEL.
- OR — VERTICAL DUCT DROP
- OR — VERTICAL DUCT RISE
- SIDE WALL REGISTER SUPPLY AIR
- SIDE WALL REGISTER RETURN AIR
- FIRE DAMPER
- AUTOMATIC CONTROL DAMPER
- S — COMBINATION OF SMOKE AND FIRE DAMPER AND ASSOCIATED SMOKE DETECTOR
- B — BACK DRAFT DAMPER (w/ direction of flow)
- MANUAL VOLUME DAMPER
- DL — DOOR LOUVER
- UC — UNDERCUT (DOOR)
- T3 — THERMOSTAT # CORRESPONDS WITH UNIT NUMBER, SEE DETAIL BELOW.
- BT — BY-PASS TIMER
- NT — NIGHT THERMOSTAT
- RT — RETURN AIR THERMOSTAT
- SD — SMOKE DETECTOR
- TS — TIME SWITCH
- PS — PRESSURE SENSOR
- OS — OVERRIDE SWITCH
- DS — DOOR SENSOR
- S — SENSOR
- Ø — DIAMETER / ROUND
- SQUARE FEET
- ZONE CONTROL DAMPER
- BY-PASS DAMPER
- POINT OF CONNECTION

COMBINATION SMOKE FIRE DAMPER NOTE

1- FIRE DAMPERS SHALL BE STATE FIRE MARSHAL APPROVED AND INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. MANUFACTURER'S INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITY. DETAILS SHOWN ARE FOR REFERENCE ONLY.

DUCT LINING

1- ALL SUPPLY AND RETURN AIR DUCTWORKS SHALL BE ACOUSTICALLY LINED FROM CONNECTION TO THE UNIT UP TO MIN. 20 FEET DOWN STREAM OF THE UNIT OPENING. ALL BRANCH DUCTWORK WITH TAKEOFF FROM MAIN SUPPLY/RETURN DUCTS WITHIN 20 FEET OF THE UNIT OPENING SHALL BE ACOUSTICALLY LINED IN ITS ENTIRTY INCLUDING ANY SUB BRANCH DUCTS AND SUPPLY/RETURN DIFFUSER/GRILL PLENUMS. DUCT LINING AND INSULATION MATERIAL AND THICKNESS SHALL BE PER SPECIFICATION BOOK.

MANUAL VOLUME DAMPER

1- PROVIDE MANUAL VOLUME DAMPERS WITH REMOTE CONTROL WHERE HARD LID CEILING IS INSTALLED OR ACCESS TO TYPICAL MANUAL VOLUME DAMPER IS NOT POSSIBLE. PROVIDE PRODUCTS OF METROPOLITAN AIR TECHNOLOGY, ROTO-TWIST MODEL NUMBER RT-250 SERIES III FOR ROUND DUCT AND MODEL RT-100 SP/CC FOR RECTANGULAR DUCT APPLICATION OR APPROVED EQUAL PRODUCTS. PROVIDE GUIDE CABLE OF REQUIRED LENGTH FOR INSTALLATION OF THE CEILING CUP AND COVER PLATE AT LOCATIONS APPROVED BY ARCHITECT.

GENERAL NOTES

1- ALL DUCT DIMENSIONS ON DRAWINGS TO BE INSIDE CLEAR.
2- ALL ROOM THERMOSTATS TO BE MOUNTED AT ELEVATION SHOWN IN DETAIL BELOW.
3- ALL INDIVIDUAL BRANCH SUPPLY, RETURN, EXHAUST, OUTSIDE AIR, ETC.. DUCTS SHALL BE EQUIPPED WITH A MANUAL VOLUME DAMPER.
4- ALL SQUARE ELBOWS TO BE PROVIDED WITH TURNING VANES.
5- TO DETERMINE THE EXACT NUMBER AND LOCATION OF FUSIBLE LINK FIRE DAMPERS THAT MAY BE REQUIRED, THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DRAWINGS WHICH INDICATE THE LOCATION OF FIRE RATED WALLS, PARTITIONS AND CEILINGS.
6- COORDINATE LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
7- FOR BUILDING LOCATIONS, DIMENSIONS AND GRADE ELEVATIONS SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
8- PROVIDE WATER PROOFING FOR ALL EQUIPMENT ANCHORAGE ON ROOF AND DUCT PENETRATIONS THRU ROOF.
9- CONTRACTOR SHALL COORDINATE MOUNTING HEIGHT OF ALL DUCTWORK WITH THE WORK OF ALL OTHER TRADES SUCH AS STRUCTURAL BEAMS, FIRE SPRINKLER PIPING, ELECTRICAL CONDUITS, LIGHT FIXTURES, ETC.. WHERE REQUIRED OR NOTED ON DRAWINGS, RUN DUCTWORK BETWEEN LIGHT FIXTURES, BEAMS, ETC..
10- PROVIDE WATER PROOFING FOR ALL FLASHING AND COUNTERFLASHING FOR MECHANICAL WORK.
11- THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
12- SYMBOLS AND ABBREVIATIONS ARE SHOWN FOR REFERENCE; NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED.
13- ALL NOTES ON THIS SHEET REMAIN PART OF THE CONTRACT DOCUMENTS.
14- ASBESTOS OR HAZARDOUS WASTE: IT IS UNDERSTOOD AND AGREED THAT THIS CONTRACT DOES NOT CONTEMPLATE THE HANDLING OF ASBESTOS OR ANY HAZARDOUS WASTE MATERIAL. IF ASBESTOS OR ANY HAZARDOUS WASTE MATERIAL IS ENCOUNTERED, NOTIFY THE OWNER IMMEDIATELY. DO NOT DISTURB, HANDLE OR ATTEMPT TO REMOVE.
15- FOR ACTUAL DIMENSIONS OF LOUVER SIZES SEE ARCHITECTURAL DRAWINGS, PROVIDE AND ATTACH PLENUMS AND OR DUCTS TO ACCOMMODATE THOSE DIMENSIONS.
16- UNIT NUMBERS FOR MECHANICAL EQUIPMENT SHOWN IN SCHEDULES ARE FOR TYPE OF UNIT ONLY. FOR QUANTITIES & LOCATIONS OF MECHANICAL UNITS, SEE MECHANICAL DRAWINGS.
17- ALL ZONE DAMPERS AND COMBINATION SMOKE FIRE DAMPERS TO BE PERMANENTLY LABELED TO INDICATE THE ROOM(S) THEY SERVE.

SEISMIC RESTRAINT

1- THE SEISMIC ANCHORAGE FOR ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE DESIGNED TO WITHSTAND A LATERAL FORCE:

A. CALCULATED AS SPECIFIED IN SECTION 1632A AND TABLE 16A-O OF THE VOL. 2, TITLE 24, 2001 CBC.
B. IN LIEU OF CALCULATIONS PER A. THE ANCHORAGE SHALL BE CAPABLE OF WITHSTANDING A LATERAL FORCE EQUAL TO 2.2 Wp ACTING SIMULTANEOUSLY WITH A VERTICAL FORCE *EQUAL TO 0.72 Wp (BOTH FORCES AT SERVICE LEVEL, THESE VALUES CORRESPOND TO AN Ip=1.15 AND Ca=0.66, FOR OTHER VALUES OF Ip AND Ca, THE LATERAL AND VERTICAL FORCE CAN BE ADJUSTED ACCORDINGLY)

* INCLUSION OF VERTICAL FORCE PER TABLE 16-O FOOTNOTE 20 (REQUIRED FOR EMERGENCY POWER SUPPLIES AND COMMUNICATIONS EQUIPMENT ONLY)

2- ANCHORAGE DETAILS FOR EQUIPMENT WHICH ARE NOT APPROVED DURING PLAN REVIEW ARE SUBJECT TO APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND DSA'S DISTRICT STRUCTURAL ENGINEER PRIOR TO INSTALLATION AND INSPECTION BY THE PROJECT INSPECTOR.

3- DUCTWORK & PIPING RESTRAINT SHALL BE IN ACCORDANCE WITH DSA APPROVED "SMACNA" GUIDELINES FOR RESTRAINT OF MECHANICAL SYSTEMS, INCLUDING SUPPLEMENT HAZARD DATED 2000 FOR SEISMIC LEVEL "AA".

STRUCTURAL NOTE

1- UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED OR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.

THERMOSTAT NOTE

1- TEMPERATURE THERMOSTAT: TEMPERATURE RANGE 55°F TO 85°F SEQUENCE HEATING AND COOLING, ADJUSTABLE TO 10°F BETWEEN HEATING AND COOLING, CAPABILITY TO TERMINATE ALL HEATING AT NO MORE THAN 70°F AND TERMINATE ALL COOLING AT NOT LESS THAN 78°F.

2- THE LOCATION OF THERMOSTATS TO BE FINALIZED DURING CONSTRUCTION. IF THE LOCATION OF THE THERMOSTATS SHOWN ON MECHANICAL DRAWINGS ARE IN CONFLICT WITH BUILDING ELEMENTS OR DESIGN, CONTRACTOR SHALL RELOCATE THE THERMOSTAT AND RUN REQUIRED WIRING FOR A SUCCESSFUL INSTALLATION TO ANOTHER LOCATION APPROVED BY MECHANICAL ENGINEER AND ARCHITECT AT NO ADDITIONAL COST TO THE OWNER UP TO MAXIMUM 20' AWAY FROM ORIGINAL LOCATION SHOWN ON MECHANICAL DRAWINGS.

AIR FILTER NOTE

1- AIR FILTER SHALL BE A STATE MARSHAL APPROVED AND LISTED TYPE. PERFORMED FILTERS HAVING COMBUSTIBLE FRAMING SHALL BE TESTED AS A COMPLETE ASSEMBLY. AIR FILTERS IN ALL OCCUPANCIES SHALL BE CLASS 1 OR 2 (AS SHOWN IN THE STATE FIRE MARSHAL LISTING). AIR FILTERS SHALL BE ACCESSIBLE FOR CLEANING OR REPLACEMENT. (408.1 CMC)

GENERAL DEMOLITION NOTES

REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR BUILDINGS BEING MODERNIZED IN THIS PHASE AND FOR DEMOLITION AREAS AND EXISTING WALLS. THE SCOPE OF THE DEMOLITION WORK SHALL INCLUDE ALL LABOR, MATERIALS, SERVICES AND EQUIPMENT REQUIRED FOR THE REMOVAL OF EXISTING HVAC EQUIPMENT AND SYSTEMS. VERIFY ALL SPECIFIC DEMOLITION WORK PRIOR TO COMMENCING. THIS WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:

1- REMOVE ALL DUCTWORK, DUCTWORK ACCESSORIES, DIFFUSERS, GRILLES, HVAC SYSTEM INSULATION AND SUPPORTS, TEMPERATURE CONTROL DEVICES, HVAC EQUIPMENTS AND SPECIALTIES.

2- PERFORM CUTTING AND PATCHING OF THE CONSTRUCTION WORK WHICH MAY BE REQUIRED FOR THE PROPER INSTALLATION OF MECHANICAL WORK OR REMOVAL OF EXISTING MECHANICAL EQUIPMENT AND SYSTEMS. PATCHING SHALL BE OF THE SAME MATERIALS, WORKMANSHIP AND FINISH AS AND ACCURATELY MATCH SURROUNDING WORK TO THE SATISFACTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER.

3- WHERE NEW PARTITIONS OR OTHER CONSTRUCTION AND/OR INSTALLATION OF NEW CEILING INTERFERE THE EXISTING AIR DISTRIBUTION SYSTEM, MODIFY THE AIR OUTLETS / INLETS AND ASSOCIATED DUCTWORK AND ACCESSORIES AS REQUIRED TO MATCH THE NEW ARCHITECTURAL LAYOUT TO SATISFACTION OF THE ARCHITECT.

4- ALL REMOVED MATERIALS AND EQUIPMENT WHICH, IN THE OPINION OF THE ARCHITECT, ARE SALVAGEABLE SHALL REMAIN THE PROPERTY OF THE DISTRICT. DELIVER SUCH SALVAGED MATERIALS AND EQUIPMENT ON PREMISES AS DIRECTED, AND NEATLY PILE OR STORE THEM AND PROTECT FROM DAMAGE. WHERE MATERIALS AND EQUIPMENT HAS BEEN REMOVED AND NOT REPLACED THE EXPOSED SURFACE BEHIND MATERIAL OR EQUIPMENT SHALL BE PAINTED TO MATCH SURROUNDING SURFACES. DO NOT REUSE MATERIALS AND EQUIPMENT, UNLESS SPECIFICALLY SPECIFIED ON PLANS. REMOVE FROM PREMISES AND DISPOSE OF ALL MATERIALS CONSIDERED BY ARCHITECT TO BE SCRAP.

5- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISITS THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL FEATURES OF THE BUILDING AND SITE, WHICH MAY AFFECT THE PROPER PERFORMANCE OF THIS WORK.

6- EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING UNDERGROUND UTILITIES, AND TO PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY, WHICH IS THE RESPONSIBILITY OF THE CONTRACTOR.

SELECTIVE DEMOLITION NOTES

1. THIS SECTION INCLUDES LIMITED SCOPE OF SELECTIVE MECHANICAL DEMOLITION WORK AS FOLLOWS:

A. NONDESTRUCTIVE REMOVAL OF MATERIALS AND EQUIPMENT FOR REUSE OR SALVAGE AS INDICATED.

B. DISMANTLING MECHANICAL MATERIALS AND EQUIPMENT MADE OBSOLETE BY THESE INSTALLATIONS.

2 GENERAL CONDITIONS

A. GENERAL: SUBMIT THE FOLLOWING IN ACCORDANCE WITH CONDITIONS OF CONTRACT AND DIVISION 1 AND 15 SPECIFICATION SECTIONS.

B. SCHEDULES INDICATING PROPOSED METHODS AND SEQUENCE OF OPERATIONS FOR SELECTIVE DEMOLITION PRIOR TO COMMENCEMENT OF WORK. INCLUDE COORDINATION FOR SHUT-OFF OF UTILITY SERVICES AND DETAILS FOR DUST AND NOISE CONTROL.
1. COORDINATE SEQUENCING AND OWNER OCCUPANCY SPECIFIED IN DIVISION 1.
2. COORDINATE OTHER SELECTIVE DEMOLITION WORK AS OUTLINED IN DIVISION 1

3 PROJECT CONDITIONS

A. CONDITIONS AFFECTING SELECTIVE DEMOLITION: THE FOLLOWING PROJECT CONDITIONS APPLY:
1. PROTECT ADJACENT MATERIALS INDICATED TO REMAIN. INSTALL AND MAINTAIN DUST AND NOISE BARRIERS TO KEEP DIRT, DUST, AND NOISE FROM BEING TRANSMITTED TO ADJACENT AREAS. REMOVE PROTECTION AND BARRIERS AFTER DEMOLITION OPERATIONS ARE COMPLETE.
2. LOCATE, IDENTIFY, AND PROTECT MECHANICAL SERVICES PASSING THROUGH DEMOLITION AREA AND SERVING OTHER AREAS OUTSIDE THE DEMOLITION LIMITS. MAINTAIN SERVICES TO AREAS OUTSIDE DEMOLITION LIMITS. WHEN SERVICES MUST BE INTERRUPTED, INSTALL TEMPORARY SERVICES FOR AFFECTED AREAS. PROVIDE MINIMUM OF 72-HOUR NOTICE TO OWNER PRIOR TO UTILITY INTERRUPTION.

4 SEQUENCE AND SCHEDULING

A. COORDINATE THE SHUT-OFF AND DISCONNECTION OF UTILITY SERVICES WITH THE OWNER AND THE UTILITY COMPANY.

B. NOTIFY THE ARCHITECT AT LEAST 5 DAYS PRIOR TO COMMENCING DEMOLITION OPERATIONS.

C. PERFORM DEMOLITION IN PHASES AS INDICATED.

5 EXAMINATION

A. EXAMINE AREAS WHERE SELECTIVE DEMOLITION IS TO OCCUR. DETERMINE EXTENT OF WORK AND AFFECT ON EXISTING CONDITIONS TO REMAIN. ADVISE ARCHITECT OF ANY CONDITIONS THAT MIGHT CREATE EXTENSIVE ALTERATIONS BEYOND INDICATED SCOPE.

6 SELECTIVE DEMOLITION

A. GENERAL: DEMOLISH, REMOVE, DEMOUNT, AND DISCONNECT ABANDONED MECHANICAL MATERIALS AND EQUIPMENT INDICATED TO BE REMOVED AND NOT INDICATED TO BE SALVAGED OR SAVED.

B. MATERIALS AND EQUIPMENT TO BE SALVAGED: REMOVE, DEMOUNT, AND DISCONNECT EXISTING MECHANICAL MATERIALS AND EQUIPMENT INDICATED TO BE REMOVED AND SALVAGED, AND DELIVER MATERIALS AND EQUIPMENT TO THE LOCATION DESIGNATED FOR STORAGE.

C. DISPOSAL AND CLEANUP: REMOVE FROM THE SITE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS AND EQUIPMENT NOT INDICATED TO BE SALVAGED.

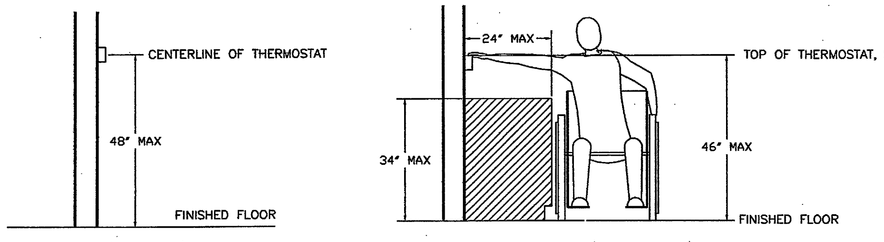
D. MECHANICAL MATERIALS AND EQUIPMENT: DEMOLISH, REMOVE, DEMOUNT, AND DISCONNECT THE FOLLOWING ITEMS:

1. INACTIVE AND OBSOLETE PIPING, FITTINGS AND SPECIALTIES, EQUIPMENT, DUCTWORK, CONTROLS, FIXTURES, AND INSULATION.

a. PIPING AND DUCTS EMBEDDED IN FLOORS, WALLS, AND CEILINGS MAY REMAIN IF SUCH MATERIALS DO NOT INTERFERE WITH NEW INSTALLATIONS. REMOVE MATERIALS ABOVE ACCESSIBLE CEILINGS. DRAIN AND CAP PIPING AND DUCTS ALLOWED TO REMAIN.
2. PERFORM CUTTING AND PATCHING REQUIRED FOR DEMOLITION.

THERMOSTAT MOUNTING HEIGHTS

MOUNTING HEIGHTS OVER OBSTRUCTIONS



tBP architecture planning interiors management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 9496730300 fx: 9496739267
architect

GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805
GLP #115.050
consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
DSA # 04-107979
agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048410
file name: 0AS-00.dwg
drawn by: LS checked by: AJ
date: 04/19/06

Rev.	date:	description:

drawing title: MECHANICAL SYMBOLS AND ABBREVIATION
building no:
drawing no: M0-1
drawing 74 of 109

SAN 8400 & 8900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN 8900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

EXHAUST FAN SCHEDULE

UNIT SYMBOL (9)	(3) EF-1, 2	(4) EF-3,4,5,6	(2) EF-7	EF-8	EF-9
LOCATION	ROOF	ROOF	CEILING	ROOF	ROOF
MANUFACTURER	COOK	COOK	COOK	COOK	COOK
MODEL	165 VCR	70 ACEB	GC 142	100 ACEB	100 ACEB
TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
SERVICE	KITCHEN HOOD	GENERAL	GENERAL	GENERAL	GENERAL
FAN – CFM	2270	150	75	600	750
EXTERNAL S.P. – "WG	0.75	0.375	0.375	0.50	0.50
FAN MOTOR – HP / RPM	1/2 / 1105	1/6 / 1235	54watt / 1000	1/6 / 1496	1/6 / 1682
MOTOR DRIVE	BELT	BELT	DIRECT	BELT	BELT
OUTLET VELOCITY – FPM	953	229	387	917	1146
TIP SPEED – FPM	4773	3233	1997	3916	4403
DISCHARGE	UPBLAST	DOWNBLAST	DUCTED	DOWNBLAST	DOWNBLAST
WHEEL TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
VOLTS – PHASE	120 – 1ø	120 – 1ø	120 – 1ø	120 – 1ø	120 – 1ø
CURB TYPE (1)	PRE-FAB	PRE-FAB	N/A	PRE-FAB	PRE-FAB
OPERATING WEIGHT LBS (6)	150	80	20	80	80
DETAIL REFERENCE	3/M0-5	1/M0-4	–	1/M0-4	1/M0-4

REMARKS

1– PROVIDE MANUFACTURER'S PRE-FAB ROOF CRUB.
2– PROVIDE MANUFACTURER'S FAN SPEED CONTROLLER.
3– PROVIDE MANUFACTURER'S RELAY KIT.
4– EF-4 TO BE CONTROLLED BY THERMOSTAT. SET AT 85°F.
5– UNIT COMPLETE WITH BACKDRAFT DAMPER.
6– WEIGHTS INCLUDE WEIGHT OF ROOF CURB AND MOTOR.

PUMP SCHEDULE

UNIT SYMBOL (1)	P-1 & P-2
LOCATION	MECHANICAL ROOM
MANUFACTURER	BELL & GOSSETT
MODEL	1510 1-1/4 BC
TYPE	BASE MOUNTED CENTRIFUGAL
SERVICE	WSHP SYSTEM
GPM	70
HEAD – FT WG	75
IMPELLER SIZE – INCH	8.875
MINIMUM EFFICIENCY – %	56
RPM	1750
HP	5
VOLTS – PHASE	460 – 3ø
OPERATING WEIGHT – LBS	250
DIMENSION (LXWXH)	31"x15"x19"
DETAIL REFERENCE	1/M0-5

REMARKS

1– FINAL IMPELLER SIZE PER MANUFACTURER'S CALCULATIONS.
2– PROVIDE NON OVERLOADING PUMP.

SPLIT AIR CONDITIONER SCHEDULE (COOLING ONLY)

UNIT SYMBOL (1)(2)(3)(4)(5)		SAC-1	
MANUFACTURER		CARRIER	
TYPE		SPLIT SYSTEM	
INDOOR UNIT	MODEL	40BNB018	
	LOCATION	ELECTRICAL ROOM	
	BLOWER CFM	725	
	COOLING CAP. – MBH	18.0	
	SEER	13.0	
	FLA / MCA / MOCP	0.4 / 0.5 / 15	
	VOLTS – PHASE	208 – 1ø	
	DIMENSIONS WxDxH (IN.)	42x8x11	
	WEIGHT – LBS	40	
OUTDOOR UNIT	MODEL	38HDR018	
	LOCATION	ROOF	
	RLA/LRA	– /–	
	FLA / MCA / MOCP	– / – / 15	
	VOLTS – PHASE	208 – 1ø	
	DIMENSIONS WxDxH (IN.)	36x18x25	
	WEIGHT – LBS	200	
DETAIL REFERENCE		3,9/M0-3	

REMARKS

1– INDOOR UNIT FAN SET AT LOW SPEED.
2– UNIT COMPLETE WITH WIRELESS CONTROLER, SENSOR AND CONTROLER HOLDER.
3– REFRIGERANT AND SUCTION LINES SHALL BE SIZE PER MANUFACTURER'S RECOMMENDATION BASED ON ACTUAL DISTANCE BETWEEN INDOOR AND OUTDOOR UNITS.
4– UNIT COMPLETE WITH FACTORY WALL MOUNTED BRACKET.
5– PROVIDE MANUFACTURER'S CONDENSATE PUMP IF REQUIRED.

BOILER SCHEDULE

UNIT SYMBOL (1)(2)(3)(4)	B-1
LOCATION	MECHANICAL ROOM
MANUFACTURER	RAYPAK
MODEL	HI DELTA H3-302
TYPE	HYDRONIC HEATING
FUEL	NATURAL GAS
INPUT (GAS) MBH = 1,000 BTU	300
OUTPUT MBH = 1,000 BTU	252
EWT °F	52
LWT °F	61
MAXIMUM PRESSURE DROP FT OF HEAD	5
CONTROL VOLTS	24
VOLTAGE/HEATER	120
OPERATING WEIGHT – LBS	400
DIMENSION (DxWxH) INCHES	25"x36"x34"
DETAIL REFERENCE	8/M0-5

REMARKS

1– COMPLETE WITH MANUFACTURER'S STANDARD FEATURES AND MANUFACTURER'S HIGH GAS PRESSURE SWITCH, LOW WATER CUT-OFF, SOLENOID GAS VALVE, TEMPERATURE AND PRESSURE GAUGES.
2– PROVIDE MODEL WITH RIGHT HAND WATER CONNECTIONS.
3– PROVIDE TWO STAGE FIRING CONTROL MODE AND FLOW SWITCH.
4– PROVIDE MANUFACTURER'S SECONDARY PUMP.

COOLING TOWER SCHEDULE

UNIT SYMBOL (1)(2)(3)	CT-1
LOCATION	MECHANICAL ROOM
MANUFACTURER	BAC
MODEL	VF1-009-42G
TYPE	CLOSED CIRCUIT
EWT – °F	98
LWT – °F	88
EAT –°F – WB	68
GPM	70
PRESSURE DROP – PSI	1.84
FAN CFM	–
FAN HP	3
PUMP HP	1/3
VOLTS – PHASE	460 – 3ø
OPERATING WEIGHT – LBS	2600
DETAIL REFERENCE	5/M0-5

REMARKS

1– UNIT COMPLETE WITH DOLPHIN MODEL 2030PVC-3" WATER TREATMENT MODULE MOUNTED ON SIDE OF UNIT.
2– UNIT COMPLETED WITH DOLPHIN TRANSFORMER PANEL MOUNTED ON SIDE OF UNIT.
3– UNIT COMPLETED WITH STRUCTURAL SUPPORT I-BEAMS

EXPANSION TANK SCHEDULE

UNIT SYMBOL (1)	ET-1
LOCATION	MECHANICAL ROOM
MANUFACTURER	TACO
MODEL	PAX30
TYPE	PRESSURIZED CLOSED SYSTEM
TANK VOLUME – GAL	8
ACCEPTANCE VOLUME – GAL	5
TANK SIZE (H X DIAM.)	26" X 14"ø
CHARGE PRESSURE – PSIA	12
PRV SETTING – PSIA	35
RELIEF PRESSURE – PSIA	60
OPERATING WEIGHT – LBS	132
DETAIL REFERENCE	7/M0-5, 4/M0-6

REMARKS

1– SYSTEM FILL PRESSURE SHALL BE ADJUSTED FOR ADEQUATE PRESSURE FOR HIGHEST VENT IN THE SYSTEM. IF USE OF PUMP IS NECESSARY, CONTRACTOR IS RESPONSIBLE TO PROVIDE THE PUMPING SYSTEM REQUIRED.

WATER SOURCE HEAT PUMP SCHEDULE

UNIT SYMBOL (3)(4)(5)		WSHP-1	WSHP-2	WSHP-3	WSHP-4	(2) WSHP-5	(2) WSHP-6	WSHP-7	(2) WSHP-8	(2) WSHP-9
LOCATION		CEILING	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING
MANUFACTURER		TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE
MODEL		GEH018	GEH024	GEH024	GEH036	GEH042	GEH042	GEH048	GEH060	GEH060
CFM		600	800	650	1000	1200	1200	1400	2000	2000
EXTERNAL S.P. "WG		0.58	0.4	0.54	0.62	0.68	0.68	0.86	0.51	0.51
FAN H.P.		1/3	1/3	1/3	1/2	1/2	1/2	1/2	1	1
COOLING	TOTAL CAPACITY – MBH	18.44	25.14	24.38	34.23	38.96	38.96	46.76	53.06	53.06
	SENS. CAPACITY – MBH	14.00	21.53	19.04	24.42	28.38	28.38	37.31	43.11	43.11
	EAT – °F – DB	80.6	85.0	84.3	79.9	81.25	81.25	84.2	76.00	76.00
	EAT –°F – WB	66.5	67.7	67.4	66.9	67.7	67.7	67.8	63.00	63.00
	EWT –° F	90	90	90	90	90	90	90	90	90
	SHR %	76	86	79	71	73	73	80	80	80
	HEAT REJECTION MBH	24.00	32.96	31.90	44.21	50.96	50.96	61.67	71.22	71.22
HEATING	CAPACITY – MBH	20.92	30.14	29.33	39.17	45.58	45.58	53.94	66.48	66.48
	EAT –° F – DB	61.0	55.0	55.0	64.8	55.4	55.4	55.0	67.4	67.4
	EWT –° F	60	60	60	60	60	60	60	60	60
	HEAT ABSORPTION MBH	16.07	23.53	22.51	29.58	34.52	34.52	40.82	50.04	50.04
GPM		4.13	5.50	5.50	8.25	9.63	9.63	10.3	9.50	9.50
FLUID PD – FT WG		6.59	6.92	6.92	8.58	12.18	12.18	8.12	6.18	6.18
O.S.A. CFM		150	450	300	150	500	500	600	130	130
COMPRESSOR INPUT – RLA		7.6	3.90	3.90	4.9	4.8	4.8	6.4	7.5	7.5
MIN. CIR. AMPACITY / MOCP		11.6 / 15	5.80 / 15	5.80 / 15	7.8 / 15	7.7 / 15	7.7 / 15	9.4 / 15	12.1 / 15	12.1 / 15
VOLTS – PHASE		208 – 1ø	460 – 3ø	460 – 3ø	460 – 3ø	460 – 3ø	460 – 3ø	460 – 3ø	460 – 3ø	460 – 3ø
EER / SEER		13.5 / –	12.6 / –	12.6 / –	13.7 / –	12.0 / –	12.0 / –	12.8 / –	12.8 / –	12.8 / –
COP		4.50	4.40	4.40	4.70	4.20	4.20	4.30	4.40	4.40
FILTER SIZE		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
FAN SPEED		LOW	MEDIUM	LOW	LOW	MEDIUM	MEDIUM	MEDIUM	HIGH	HIGH
FAN CONFIGURATION		HIGH STATIC	STANDARD	STANDARD	STANDARD	HIGH STATIC	HIGH STATIC	STANDARD	HIGH STATIC	HIGH STATIC
OPERATING WEIGHT – LBS (3)		350	350	350	400	400	400	500	500	500

REMARKS

1– SEE DETAILS 1, 2, 3/M-0.6 AND 2/M0-5 FOR MORE INFORMATION.
2– FIRE MARSHAL APPROVED, UL LISTED DUCT SMOKE DETECTOR TO BE INSTALLED IN MAIN SUPPLY AIR DUCT STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. TIE TO FIRE ALARM SYSTEM TO IMMEDIATELY SHUT DOWN THE UNIT UPON SMOKE DETECTION. MANUFACTURER'S INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITY.
3– UNIT COMPLETE WITH NEMA RATED, UL LISTED DISCONNECT SWITCH.
4– FLUSH ALL WSHP UNIT PRIOR TO INSTALLATION.
5– PROVIDE UNIT SHUT DOWN RELAY TO SHUT DOWN ALL WATER SOURCE HEAT PUMP IN CASE OF LOOP WATER FLOW LOSS.

MAKE UP AIR UNIT SCHEDULE

UNIT SYMBOL	(1)(2)(3) MAU-1 (4)(5)(6)
LOCATION	ROOF
MANUFACTURER	GREENHECK
MODEL	IG-112-H20
TYPE	INDIRECT GAS-FIRED
ARRANGEMENT	DOWNBLAST
SERVICE	KITCHEN HOOD MAKE-UP
FAN – CFM	3632
EXTERNAL S.P. – "WG	0.375
FAN MOTOR – HP / RPM	2 / 1725
HEATING INPUT (MBTU/HR)	175.0
HEATING OUTPUT (MBTU/HR)	158.2
TEMP. RISE °F	40
VOLTS – PHASE	208 – 3ø
EVAP. COOLER MEDIA	CELDEK
EVAP. COOLER EAT. °F DB	87
EVAP. COOLER LAT. °F DB	70
EVAP. COOLER EFFICIENCY %	88
OPERATING WEIGHT LBS	1300

REMARKS

1– ELECTRONICALLY TIRED TO EF-1 AND EF-2.
2– UNIT COMPLETE W/ 409 STAINLESS STEEL HEAT EXCHANGER.
3– FIRE MARSHAL APPROVED, UL LISTED DUCT SMOKE DETECTOR TO BE INSTALLED IN MAIN SUPPLY AIR DUCT STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. TIE TO FIRE ALARM SYSTEM TO IMMEDIATELY SHUT DOWN THE UNIT UPON SMOKE DETECTION. MANUFACTURER'S INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITY.
4– UNIT COMPLETED WITH WATER WIZARD EVAP. COOLER OPTION.
5– PROVIDE MANUFACTURER'S PRE-FAB ROOF CURB AND SUPPORT.
6– OPERATING WEIGHT INCLUDES WEIGHT OF CURB.

AIR DISTRIBUTION SCHEDULE - SUPPLY AIR

SYMBOL (1)(2)(3)	⊠	⊠	⊠	⊠	⊠
CFM RANGE	50 – 250	251 – 350	351 – 500	501 – 650	651 – 750
TYPE	MODULAR CORE	MODULAR CORE	MODULAR CORE	MODULAR CORE	MODULAR CORE
NECK SIZE	8" X 8"	10" X 10"	12" X 12"	14" X 14"	16" X 16"
MAX NC LEVEL	24	22	25	26	28
FRAME SIZE (T-BAR)	24" x 24"	24" x 24"	24" x 24"	24" x 24"	24" x 24"
GRILLE SIZE-SURFACE MOUNT	10 X 10	12 X 12	14 X 14	16 X 16	18 X 18
MANUFACTURER/MODEL	NAILOR/7500	NAILOR/7500	NAILOR/7500	NAILOR/7500	NAILOR/7500

▬
300
SIDEWALL REGISTER
14" X 7"
11
–
16 X 9
NAILOR/61DV

REMARKS

1– ALL DIFFUSERS ARE 4-WAY PATTERNS EXCEPT WHERE SPECIFIED ON DRAWINGS W/ ARROWS.
2– FOR INSTALLATION OF DIFFUSERS SEE DETAIL 8/M0-3.
3– FOR BORDER TYPE REFER TO ARCHITECTURAL DRAWINGS.

AIR DISTRIBUTION SCHEDULE - RETURN AIR

SYMBOL	⊠	⊠	⊠	⊠	⊠	⊠	▭
CFM RANGE	50 – 150	151 – 300	301 – 450	451 – 600	601 – 800	801 – 1050	700
TYPE	EGGCRATE	EGGCRATE	EGGCRATE	EGGCRATE	EGGCRATE	EGGCRATE	EGGCRATE
NECK SIZE	8" x 8"	10" x 10"	12" x 12"	14" x 14"	16" x 16"	18" x 18"	22" x 10"
MAX NC LEVEL	–	12	14	16	16	17	17
FRAME SIZE (T-BAR)	24" x 24"	24" x 24"	24" x 24"	24" x 24"	24" x 24"	24" x 24"	–
GRILL SIZE-SURFACE MOUNT	10 X 10	12 X 12	14 X 14	16 X 16	18 X 18	20 X 20	24" x 12"
MANUFACTURER/MODEL	NAILOR/61EC	NAILOR/61EC	NAILOR/61EC	NAILOR/61EC	NAILOR/61EC	NAILOR/61EC	NAILOR/61EC

REMARKS

1– FOR BORDER TYPE REFER TO ARCHITECTURAL DRAWINGS.

AIR DISTRIBUTION SCHEDULE - EXHAUST AIR/ TRANSFER AIR

SYMBOL	⊠	⊠	⊠	⊠	⊠	⊠	⊠
CFM RANGE	0 – 80	81 – 150	151 – 250	251 – 360	361 – 500	501 – 650	651 – 850
TYPE	EGGCRATE	EGGCRATE	EGGCRATE	EGGCRATE	EGGCRATE	EGGCRATE	EGGCRATE
GRILL SIZE	6" X 6"	8" X 8"	10" X 10"	12" X 12"	14" X 14"	16" X 16"	18" X 18"
MAX NC LEVEL	–	–	–	–	–	–	–
FRAME SIZE (T-BAR)	24" x 24"	24" x 24"	24" x 24"	24" x 24"	24" x 24"	24" x 24"	24" x 24"
FRAME SIZE (HARD LID)	8" x 8"	10" x 10"	12" x 12"	14" x 14"	16" x 16"	18" x 18"	20" x 20"
MANUFACTURER/MODEL	NAILOR/61EC	NAILOR/61EC	NAILOR/61EC	NAILOR/61EC	NAILOR/61EC	NAILOR/61EC	NAILOR/61EC

REMARKS

1– FOR BORDER TYPE REFER TO ARCHITECTURAL DRAWINGS.

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

consultant

DEPARTMENT STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
Ac. – ES
DATE SEP 2 5 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

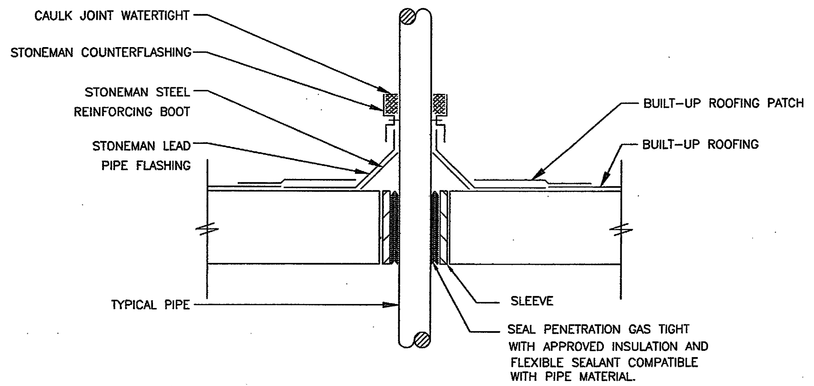
owner

tBP project number : 2048410
file name: DAS-00.dwg
drawn by: LS checked by: AJ
date: 04/04/06

Rev.	date:	description:

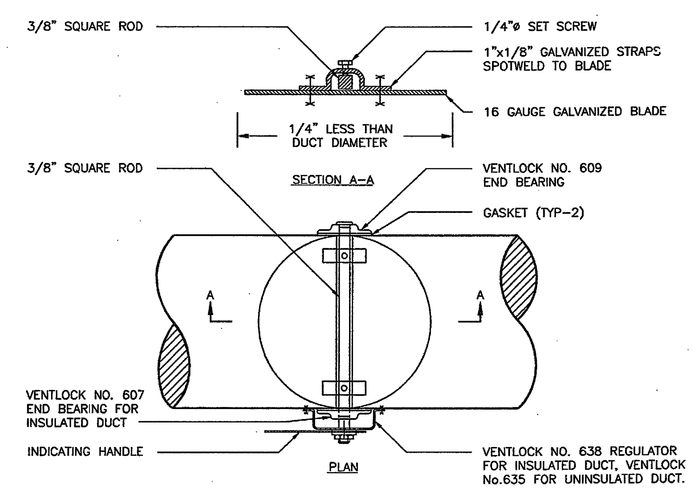
drawing title: MECHANICAL SCHEDULES
building no:
drawing no: M0-2
drawing 75 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



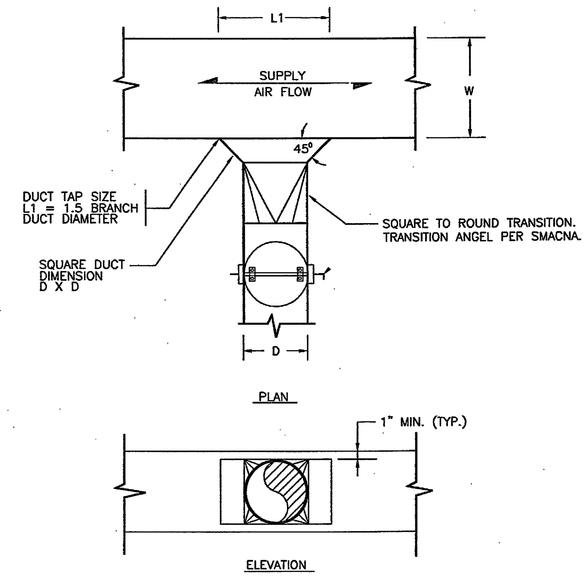
NOT TO SCALE

PIPE THRU ROOF DETAIL (1)



NOT TO SCALE

ROUND VOLUME DAMPER (4)

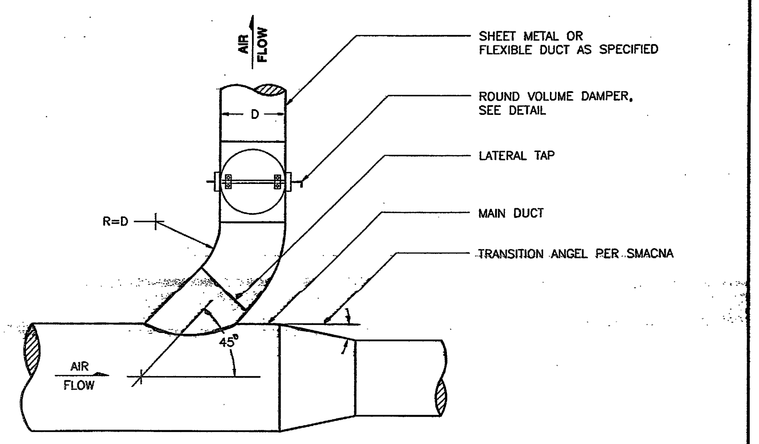


NOTE:

1- PROVIDE MANUAL VOLUME DAMPER FOR ALL BRANCH DUCTWORK.

NOT TO SCALE

RECTANGULAR TO ROUND BRANCH TAP (7)



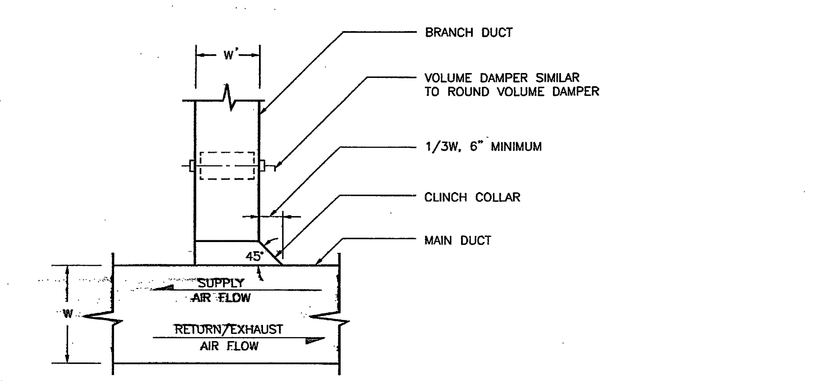
NOTE:

1- PROVIDE MANUAL VOLUME DAMPER FOR ALL BRANCH DUCTWORK.

2- USE FOR SYMBOL ⊥ WHERE BRANCH DUCT IS ROUND FROM ROUND MAIN AND BRANCH DUCT AIR QUANTITY IS 50% OR LESS OF TOTAL AIR FLOW.

NOT TO SCALE

CIRCULAR DUCT LATERAL TAP W/ VOLUME DAMPER (2)



NOTE:

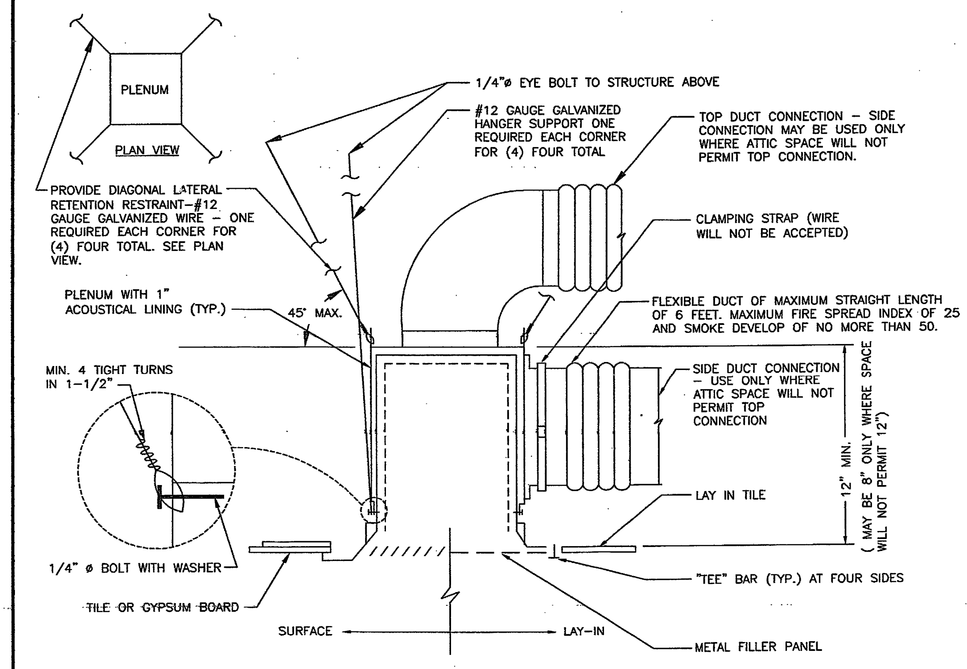
1- PROVIDE MANUAL VOLUME DAMPER FOR ALL BRANCH DUCTWORK.

2- USE FOR SYMBOL ⊥ WHERE BRANCH DUCT IS ROUND FROM ROUND MAIN AND BRANCH DUCT AIR QUANTITY IS LESS THAN 25% OF TOTAL AIR FLOW.

3- DEPTH AT W' MUST BE AT LEAST 2" LESS THAN DEPTH AT W.

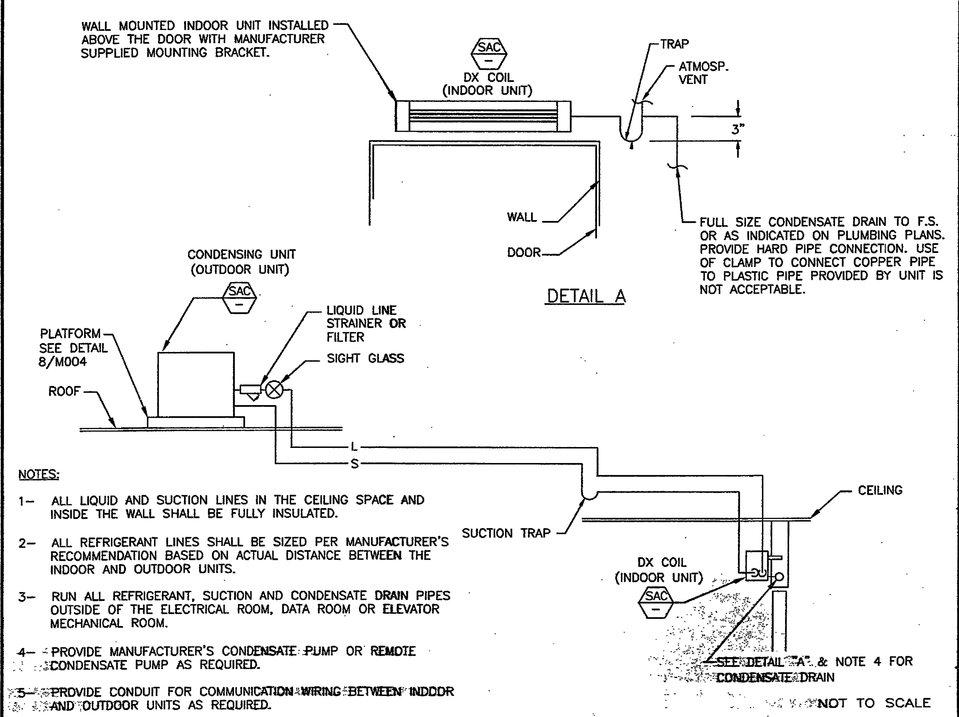
NOT TO SCALE

RECTANGULAR DUCT ANGULAR TAP W/ VOLUME DAMPER (5)



NOT TO SCALE

SUPPLY/RETURN DIFFUSER AND GRILLES DETAIL (8)



NOTES:

1- ALL LIQUID AND SUCTION LINES IN THE CEILING SPACE AND INSIDE THE WALL SHALL BE FULLY INSULATED.

2- ALL REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATION BASED ON ACTUAL DISTANCE BETWEEN THE INDOOR AND OUTDOOR UNITS.

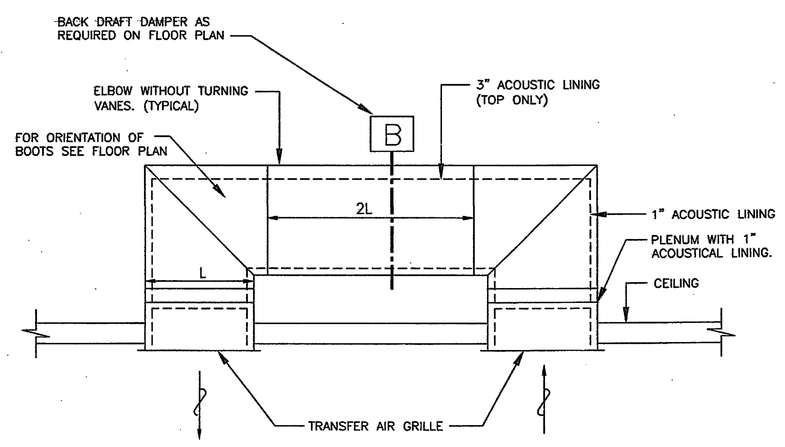
3- RUN ALL REFRIGERANT, SUCTION AND CONDENSATE DRAIN PIPES OUTSIDE OF THE ELECTRICAL ROOM, DATA ROOM OR ELEVATOR MECHANICAL ROOM.

4- PROVIDE MANUFACTURER'S CONDENSATE PUMP OR REMOTE CONDENSATE PUMP AS REQUIRED.

5- PROVIDE CONDUIT FOR COMMUNICATION WIRING BETWEEN INDOOR AND OUTDOOR UNITS AS REQUIRED.

NOT TO SCALE

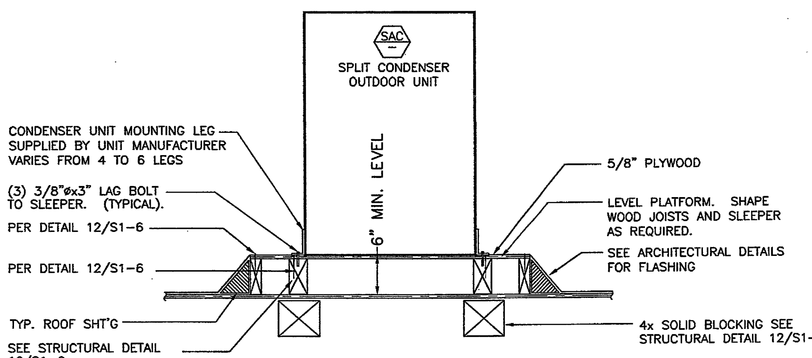
SPLIT AIR CONDITIONER DETAIL (3)



NOTE: USE OF FLEX DUCT FOR CONNECTION OF DUCTWORK TO TRANSFER AIR GRILLE IS NOT APPROVED.

NOT TO SCALE

TRANSFER AIR DUCT (6)



NOT TO SCALE

ROOF MOUNTED CONDENSER UNIT DETAIL (9)

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Gorry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805
GLP #115.050
consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

CONSTRUCTION STRAP DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04-107979
AC. — RS 6-28 DS
DATE SEP 2 8 2006

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007

owner

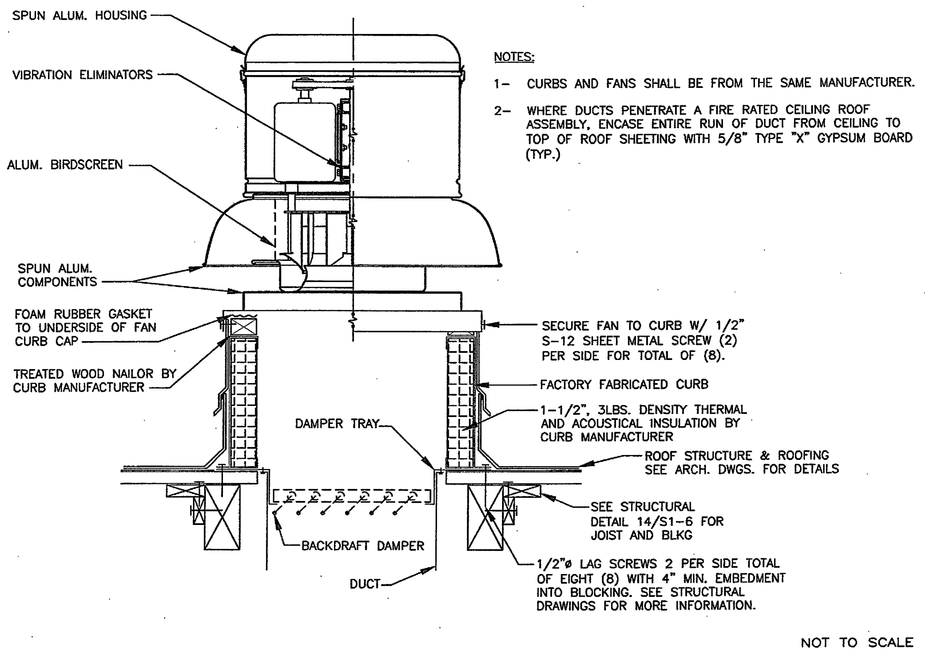
tBP project number : 2048410
file name: 0AS-00.dwg
drawn by: LS checked by: AJ
date: 04/19/06

Rev	date:	description:

drawing title: MECHANICAL DETAILS
building no:

drawing no: M0-3
drawing 76 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



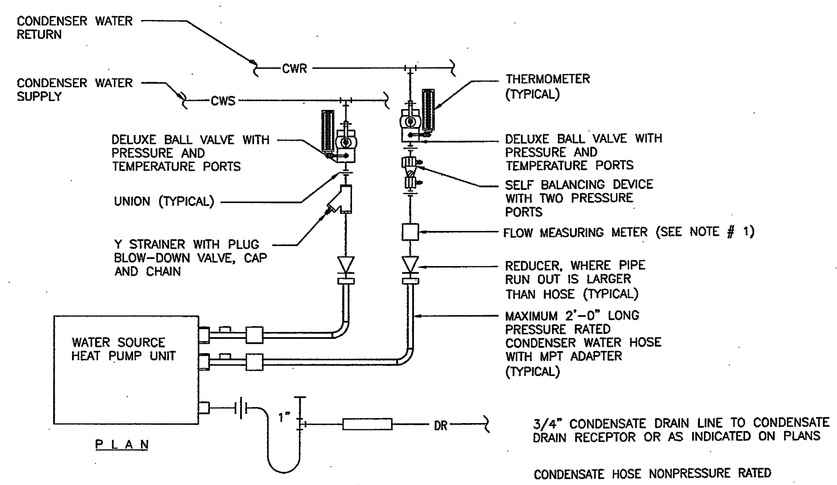
NOTES:

1- CURBS AND FANS SHALL BE FROM THE SAME MANUFACTURER.

2- WHERE DUCTS PENETRATE A FIRE RATED CEILING ROOF ASSEMBLY, ENCASE ENTIRE RUN OF DUCT FROM CEILING TO TOP OF ROOF SHEETING WITH 5/8" TYPE "X" GYPSUM BOARD (TYP.)

NOT TO SCALE

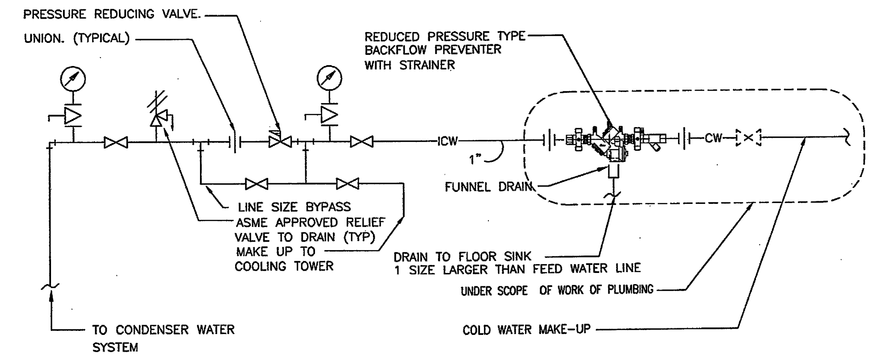
ROOF MOUNTED EXHAUST FAN DETAIL (1)



N O T E :
1. FLOW MEASURING METER SHALL BE INSTALLED SUCH THAT THERE WILL BE 5 PIPE DIAMETERS OF STRAIGHT PIPE UP STREAM AND 2 PIPE DIAMETERS OF STRAIGHT PIPE DOWN STREAM TO DEVICE.

NOT TO SCALE

WATER SOURCE HEAT PUMP PIPING DIAGRAM (HORIZ.) (4)

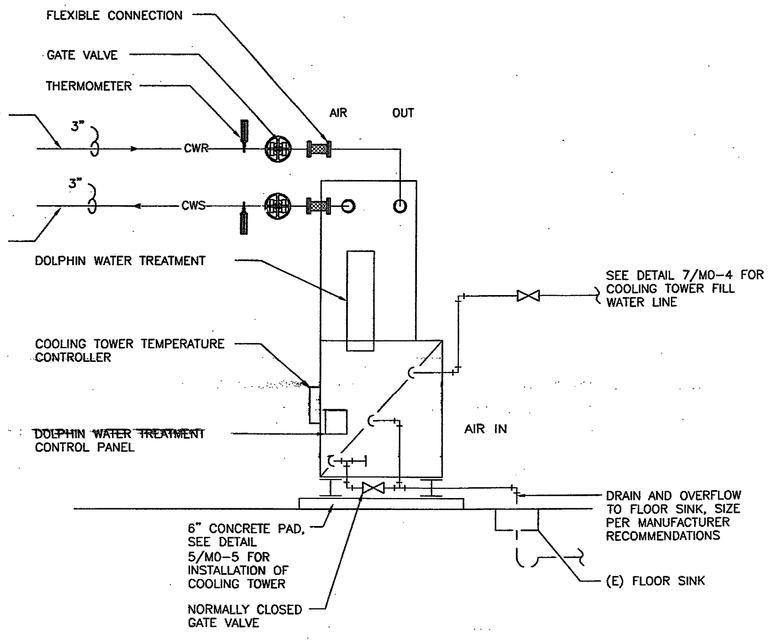


NOTES:

1. SIZE RELIEF VALVE PER MANUFACTURER'S RECOMMENDATION BASED ON THE BOILER BTU.
2. PRIOR TO INSTALLATION OF ANY OF THE COMPONENTS CONSULT WITH THE MANUFACTURER.
3. THIS DETAIL IS SHOWING A TYPICAL INSTALLATION. CONFIRMATION WITH THE LOCAL CODE IS REQUIRED PRIOR TO INSTALLATION.
4. INSTALL CHECK VALVES UPSTREAM AND/OR DOWNSTREAM OF THE BACKFLOW PREVENTER IF NECESSARY.

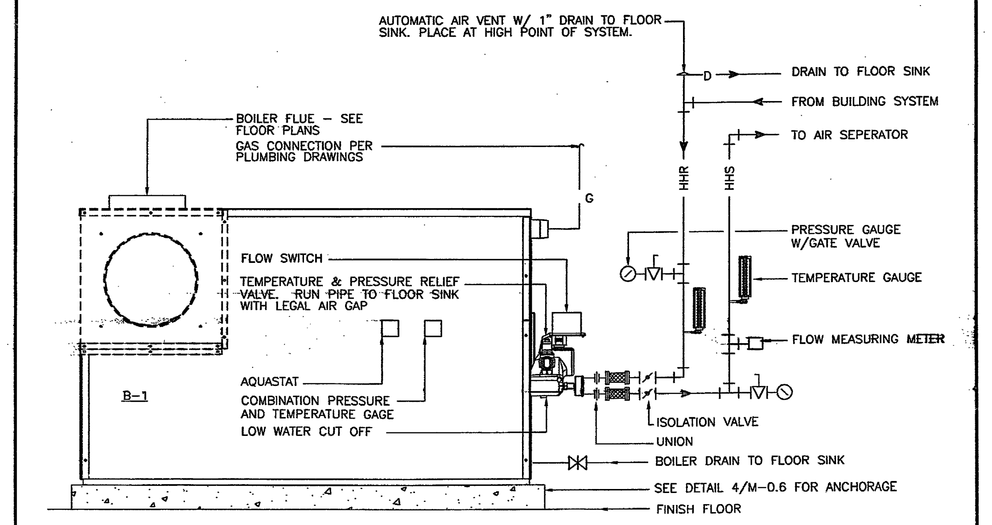
NOT TO SCALE

FEED WATER SYSTEM (7)



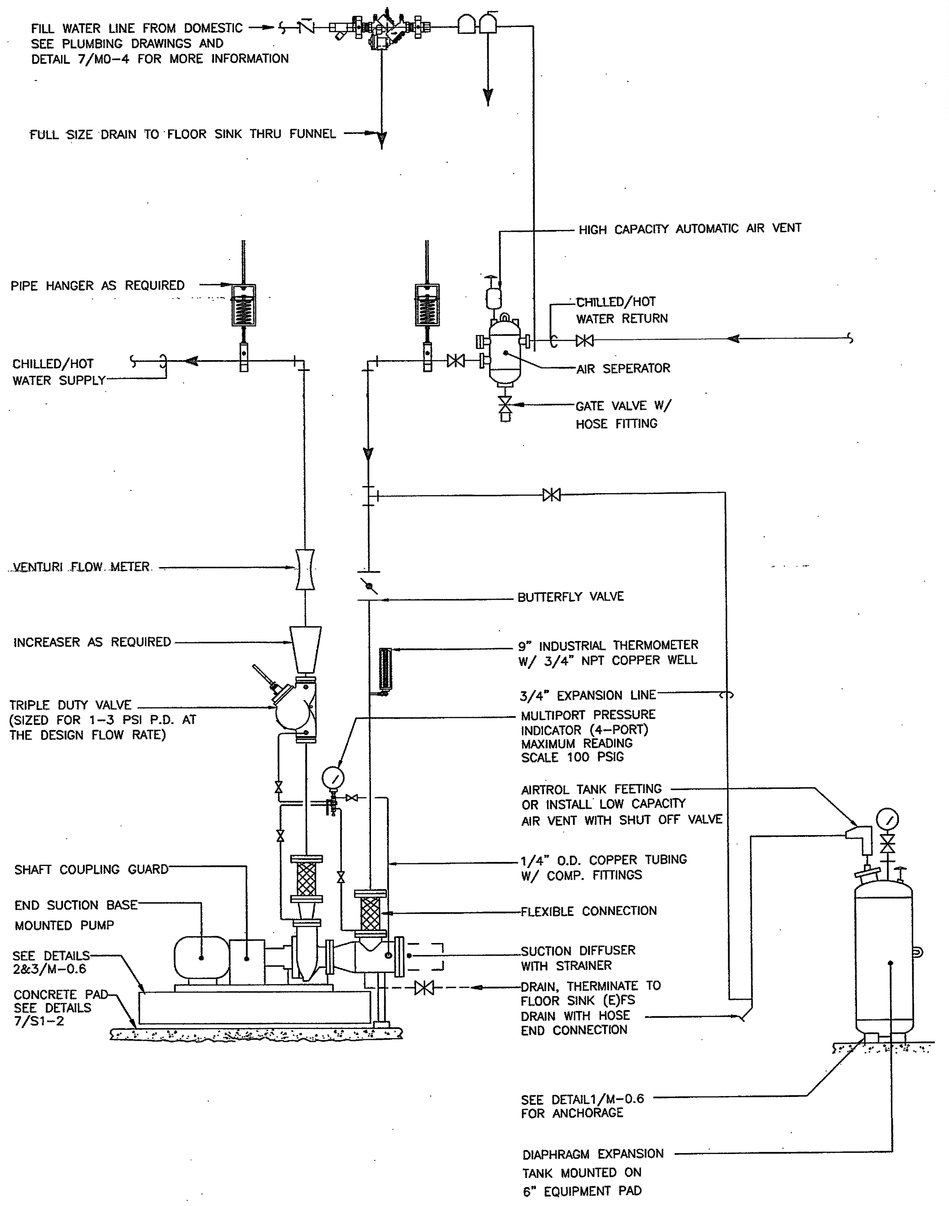
NOT TO SCALE

COOLING TOWER PIPING DIAGRAM (2)



NOT TO SCALE

GAS FIRED BOILER PIPING DIAGRAM (5)



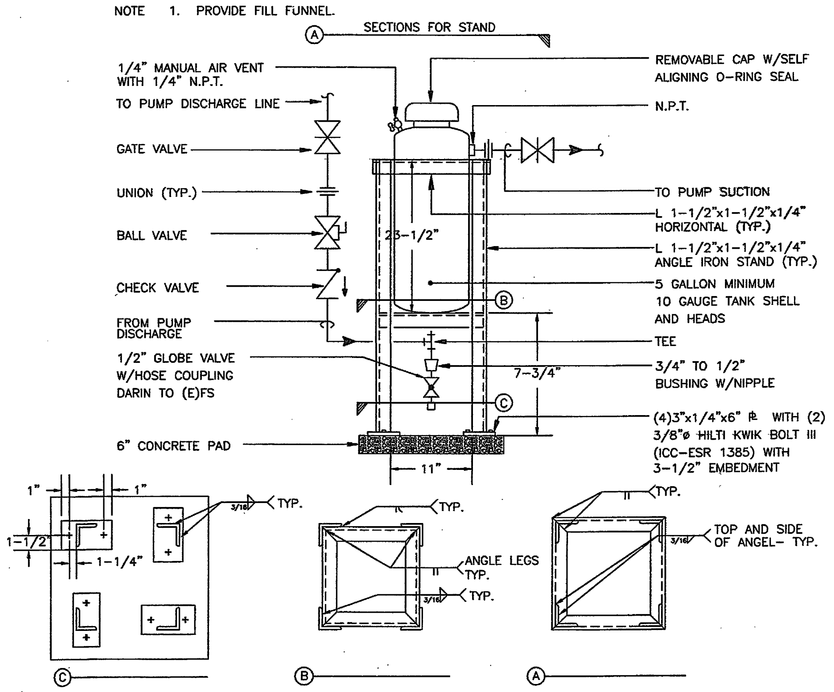
NOTES:

1. RUN 3/4" DRAIN FROM PUMPS, DRAIN FROM EXPANSION TANK, AIR SEPERATOR AND BFPD TO FLOOR SINK.
2. ALL EQUIPMENT AND COMPONENTS SHOWN ON THE ABOVE DIAGRAM SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.
3. USE TRIPLE DUTY VALVES UP TO MAXIMUM 3.0 PSI PRESSURE DROP AT THE FULL FLOW FOR BETTER INSULLATION. (A COMBINATION OF SHUT OFF, BALANCING & CHECK VALVES)

NOT TO SCALE

END SUCTION PUMP, EXPANSION TANK PIPING DIAGRAM (8)

NOTE 1. PROVIDE FILL FUNNEL.



NOT TO SCALE

WATER TREATMENT ONE SHUT FEEDER DETAIL (3)

NOT TO SCALE

NOT USED (6)

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

GLP #115,050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

consultant

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC. RS DC SS DC
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 8586745400 fx: 8586745471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

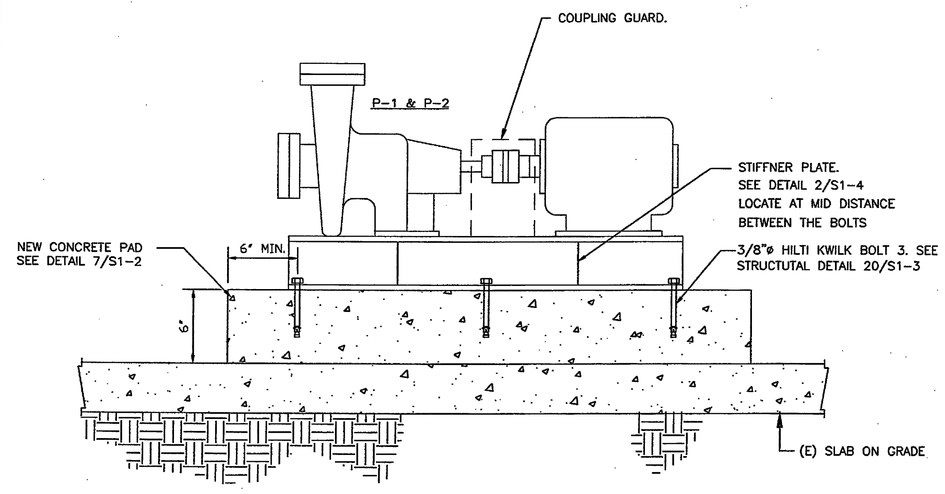
tBP project number : 2048A10
file name: 0AS-00.dwg
drawn by: LS checked by: AJ
date: 09/19/06

Rev.	date:	description:

drawing title: MECHANICAL DETAIL
building no:

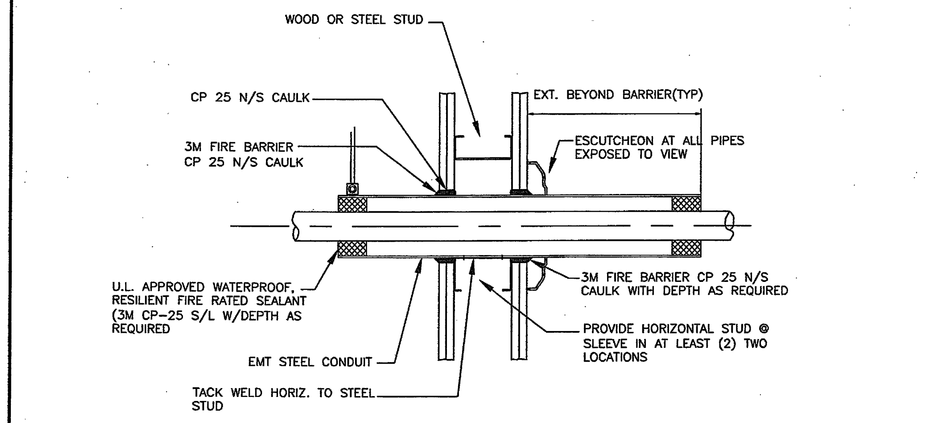
drawing no: M0-4
drawing 11 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



NOT TO SCALE

CENTRIFUGAL PUMP P-1 AND P-2 INSTALLATION (1)



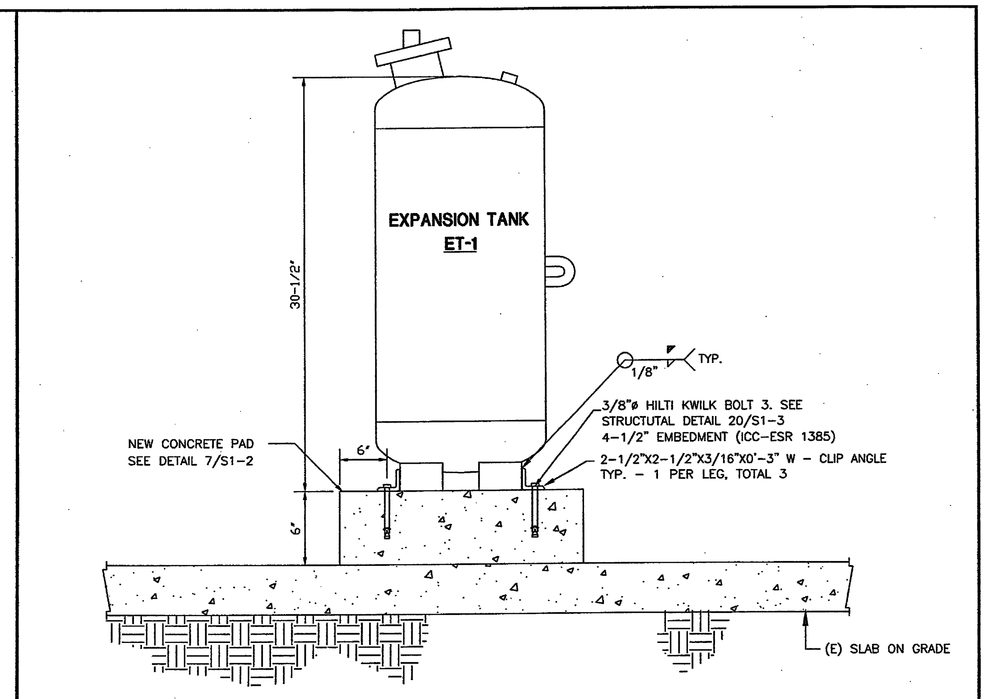
SYSTEM NO. 49 U.L. BUILDING MATERIALS DIRECTORY – JANUARY 1992

NOTE:
SLEEVE SHALL EXTEND THE LISTED DISTANCE BEYOND THE WALL OR FLOOR ON BOTH SIDES.

PIPE SIZE	SLEEVE SIZE	EXTENSION BEYOND BARRIER
UP TO 2"	3"	2'-0"
3"	4"	3'-0"
4"	5"	4'-0"

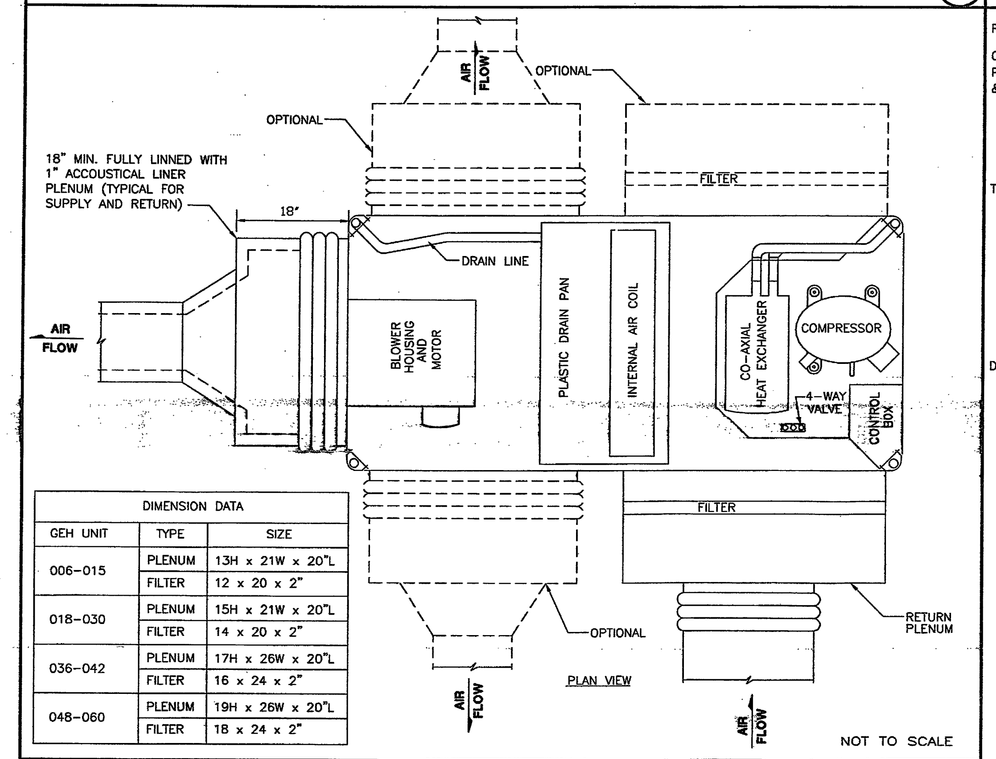
NOT TO SCALE

PIPE PENETRATION THRU FIRE RATED WALL (4)



NOT TO SCALE

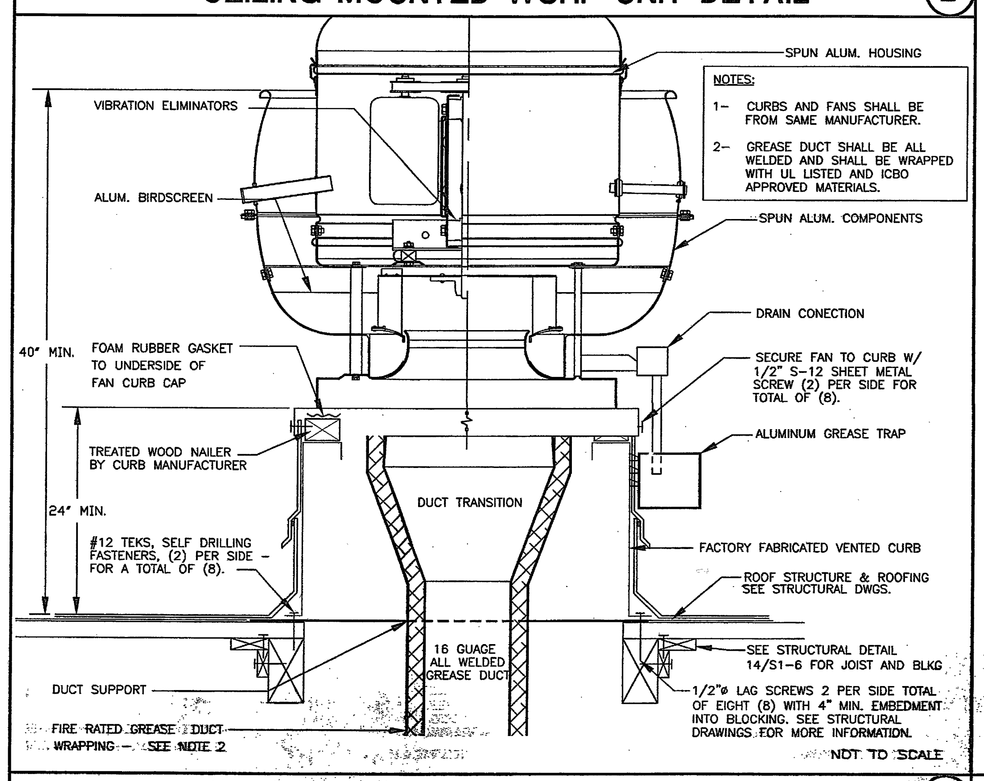
EXPANSION TANK INSTALLATION DETAIL (7)



DIMENSION DATA		
GEH UNIT	TYPE	SIZE
006-015	PLENUM	13H x 21W x 20"L
	FILTER	12 x 20 x 2"
018-030	PLENUM	15H x 21W x 20"L
	FILTER	14 x 20 x 2"
036-042	PLENUM	17H x 26W x 20"L
	FILTER	16 x 24 x 2"
048-060	PLENUM	19H x 26W x 20"L
	FILTER	18 x 24 x 2"

NOT TO SCALE

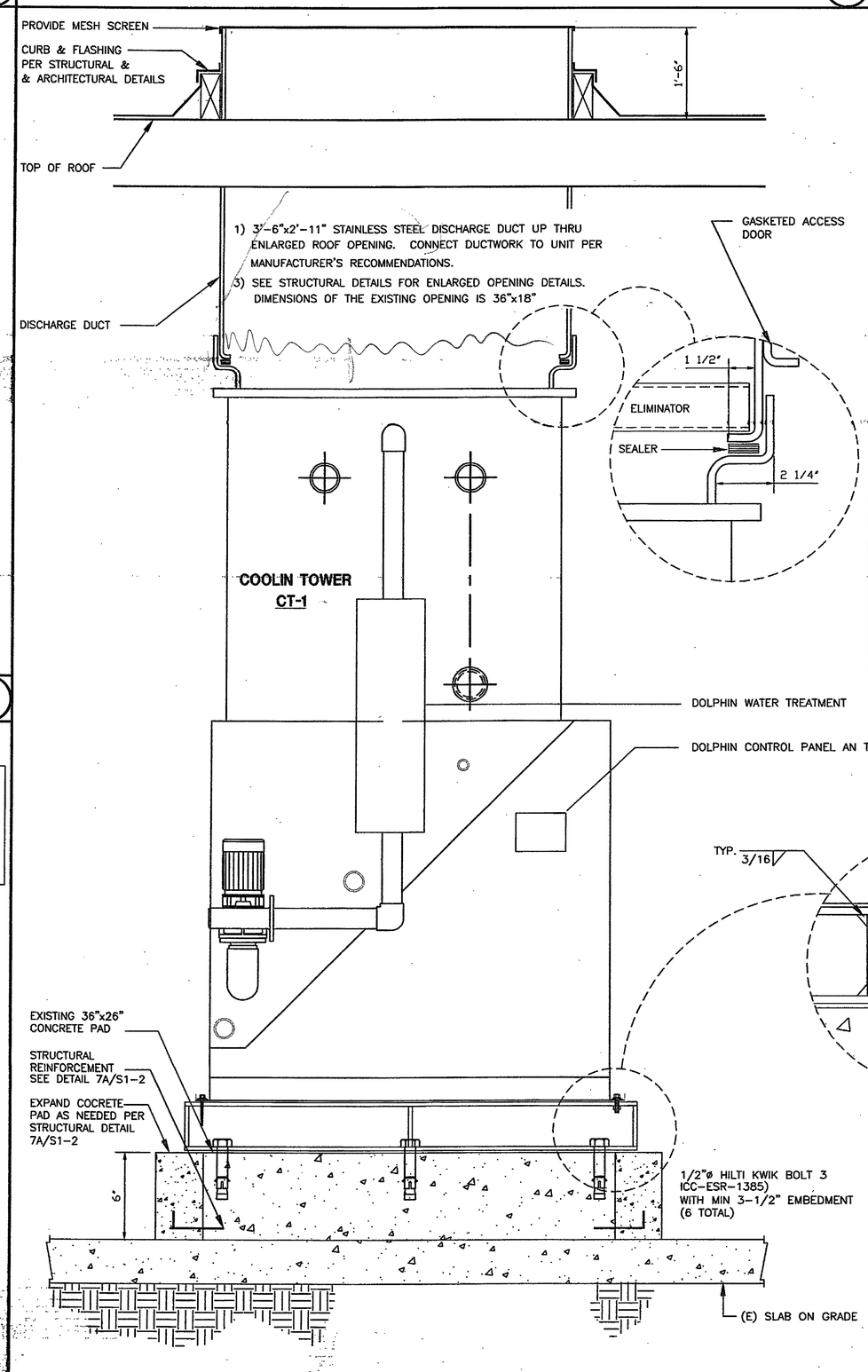
CEILING MOUNTED WSHP UNIT DETAIL (2)



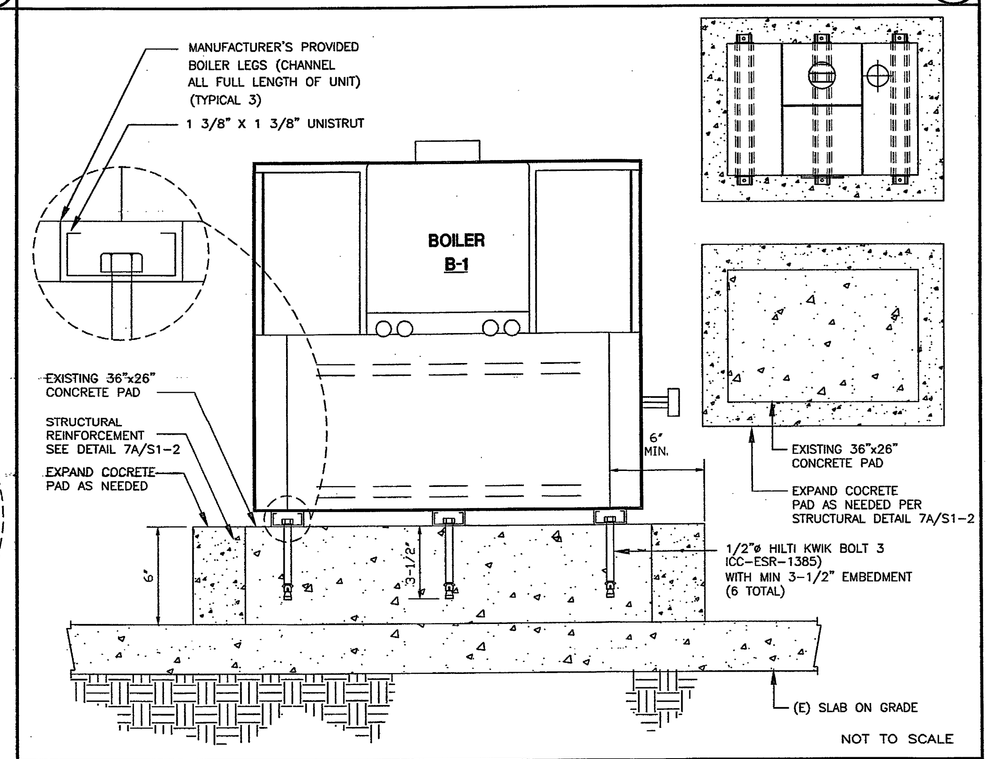
NOTES:
1- CURBS AND FANS SHALL BE FROM SAME MANUFACTURER.
2- GREASE DUCT SHALL BE ALL WELDED AND SHALL BE WRAPPED WITH UL LISTED AND ICBO APPROVED MATERIALS.

NOT TO SCALE

ROOF MOUNTED GREASE EXHAUST FAN DETAIL (3)

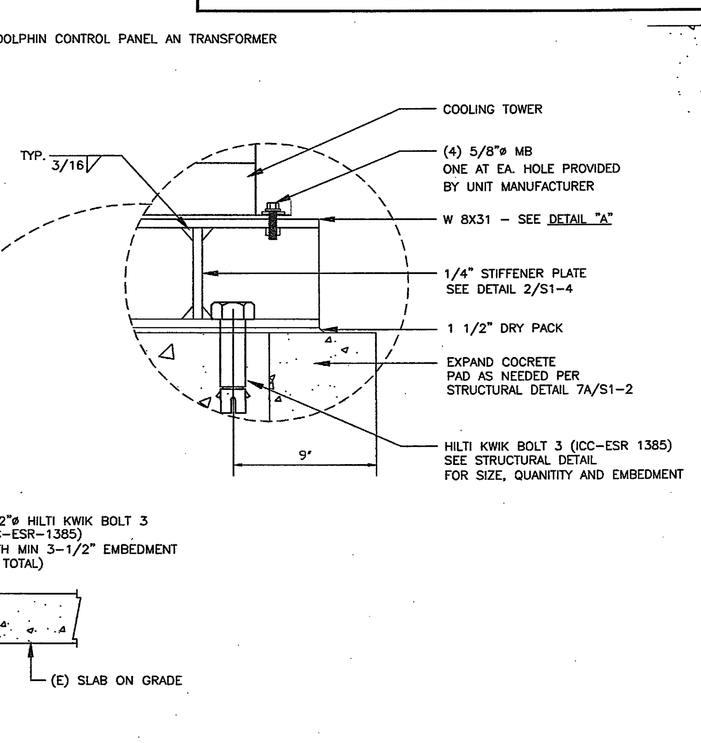


CLOSED CIRCUIT COOLING TOWER CT-1 INSTALLATION DEATIL (5)



NOT TO SCALE

BOILER B-1 INSTALLATION DETAIL (8)



NOT TO SCALE

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Gerry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

DSA IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC — INC — DL
DATE SEP 29 2006

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

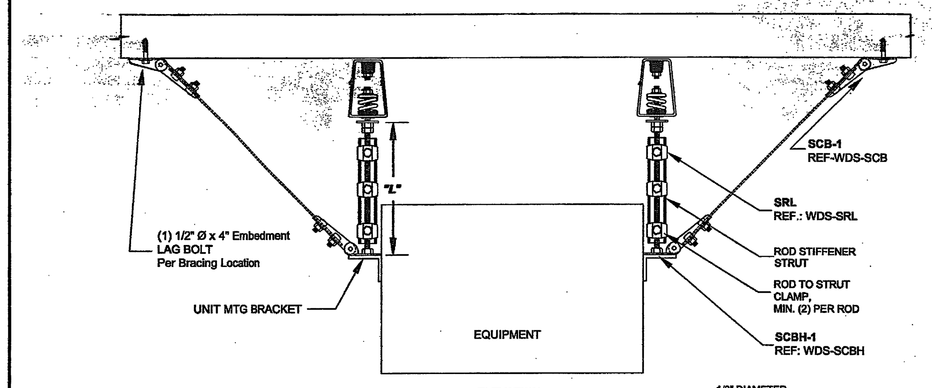
tBP project number : 2048A10
file name: 0AS-00.dwg
drawn by: LS checked by: AJ
date: 09/19/06

Rev:	date:	description:

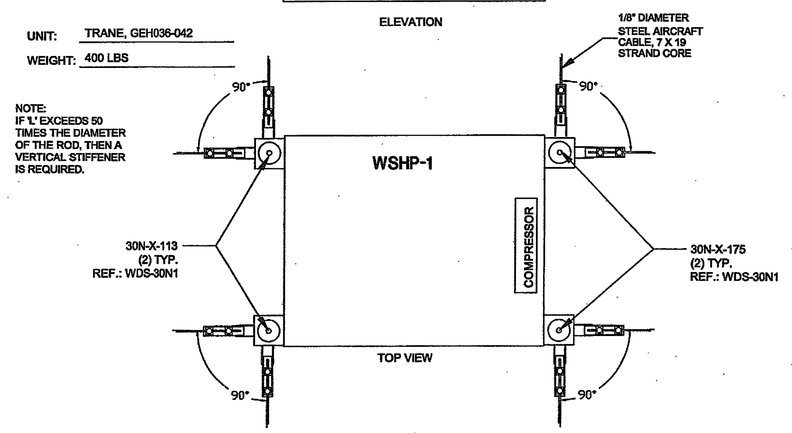
drawing title: MECHANICAL DETAIL
building no:

drawing no: M0-5
drawing 78 of 107

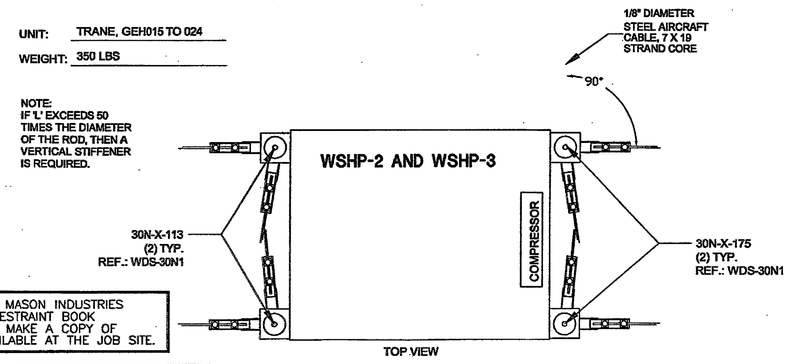
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



ELEVATION



TOP VIEW



TOP VIEW

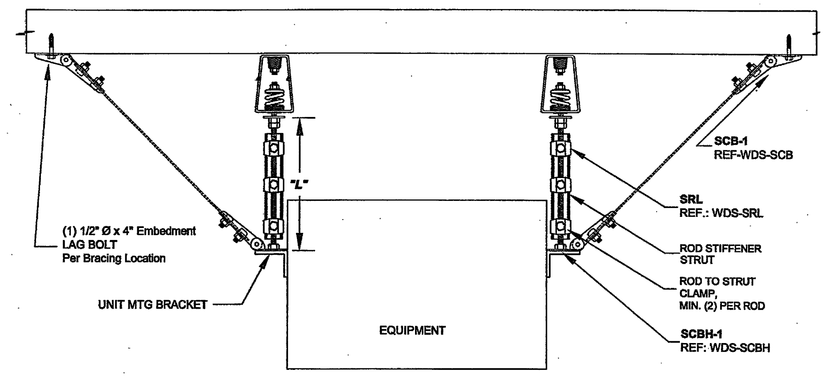
REFER TO MASON INDUSTRIES SEISMIC RESTRAINT BOOK FOR SIZE. MAKE A COPY OF BOOK AVAILABLE AT THE JOB SITE.

MASON INDUSTRIES, Inc. — TYPE SPRING HANGER

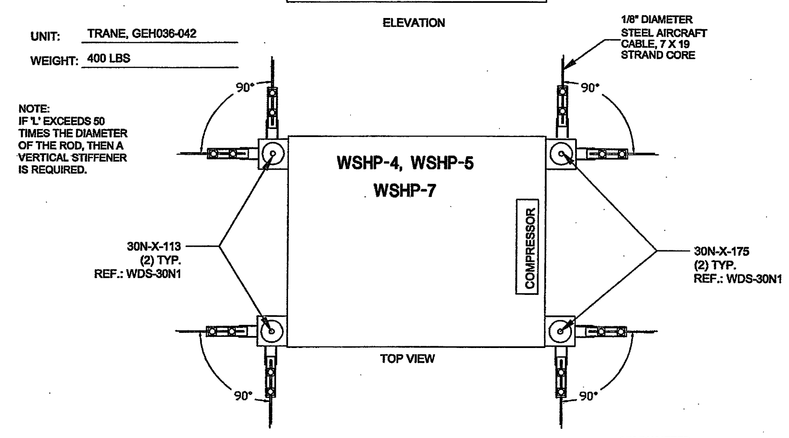
PRE APPROVAL NUMBER OPA-0349

NOT TO SCALE

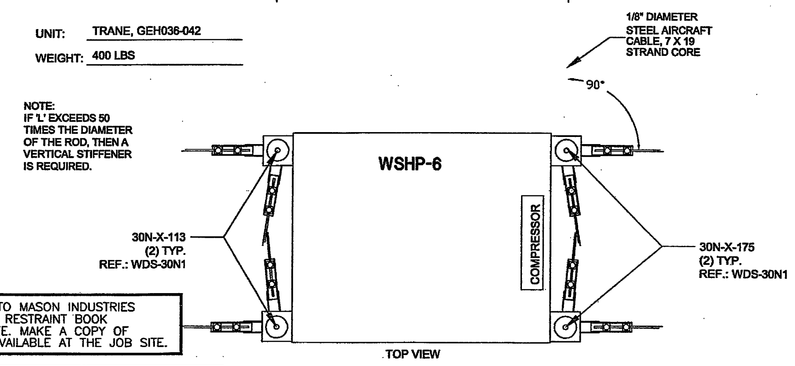
WSHP UNIT INSTALLATION DETAIL (1)



ELEVATION



TOP VIEW



TOP VIEW

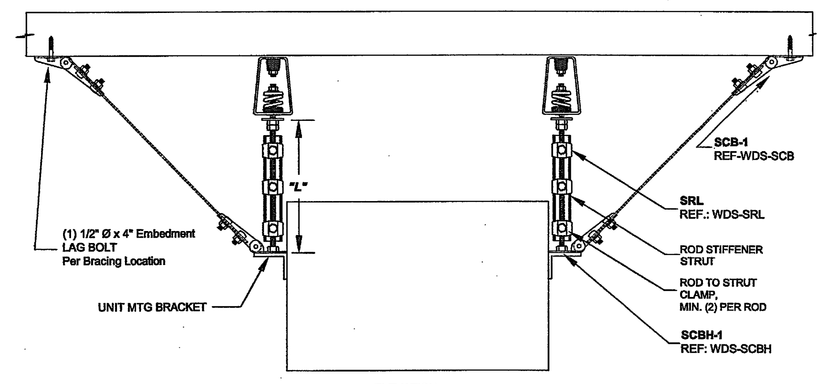
REFER TO MASON INDUSTRIES SEISMIC RESTRAINT BOOK FOR SIZE. MAKE A COPY OF BOOK AVAILABLE AT THE JOB SITE.

MASON INDUSTRIES, Inc. — TYPE SPRING HANGER

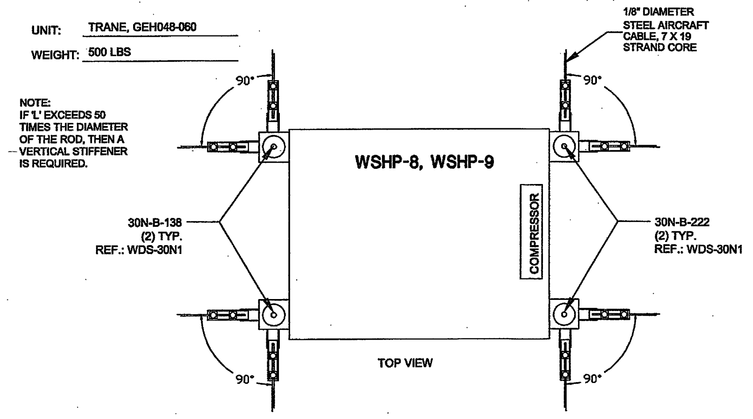
PRE APPROVAL NUMBER OPA-0349

NOT TO SCALE

WSHP UNIT INSTALLATION DETAIL (2)



ELEVATION



TOP VIEW

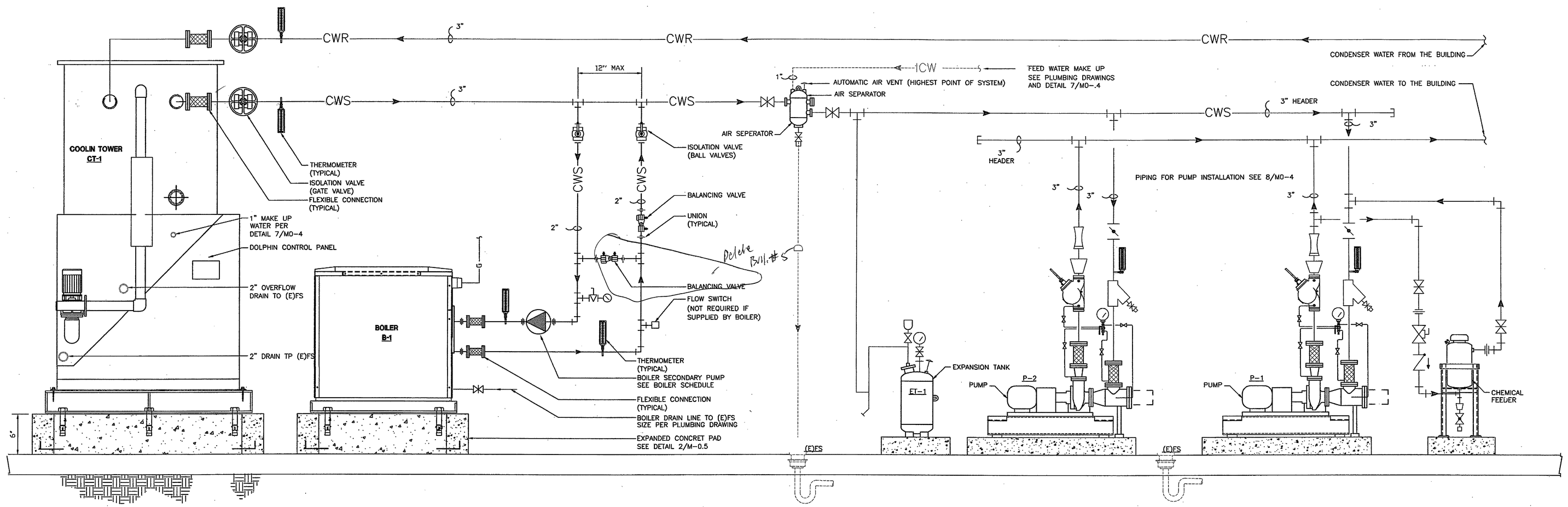
REFER TO MASON INDUSTRIES SEISMIC RESTRAINT BOOK FOR SIZE. MAKE A COPY OF BOOK AVAILABLE AT THE JOB SITE.

MASON INDUSTRIES, Inc. — TYPE SPRING HANGER

PRE APPROVAL NUMBER OPA-0349

NOT TO SCALE

~~WSHP UNIT INSTALLATION DETAIL~~ (3)



Condenser Water Piping Diagram Bull. #5

NOT TO SCALE

~~WATER SOURCE HEAT PUMP SYSTEM FLOW DIAGRAM~~ (4)

tBP Architecture
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.630.3000 fx: 949.673.9267

architect

GLP #115,050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Gerry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

consultant

DISTRIBUTION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC. RS SS DL
DATE SEP 2 8 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca. 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

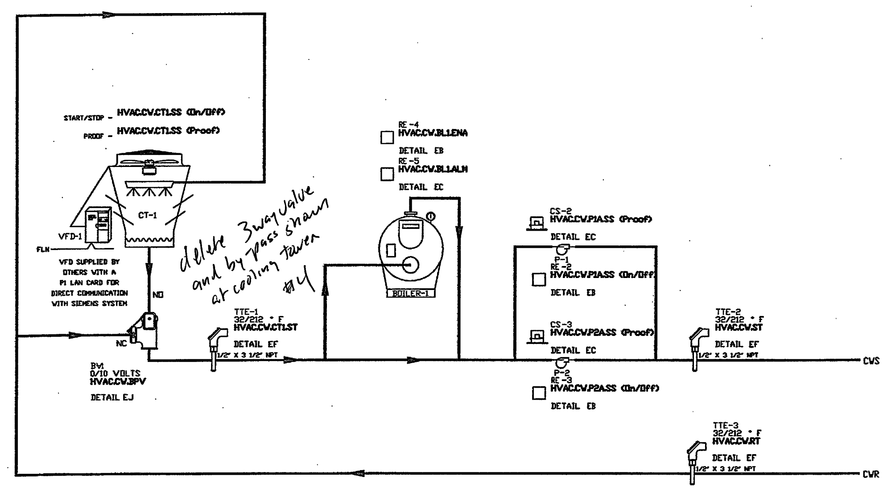
tBP project number : 2040410
file name: 0AS-00.dwg
drawn by: LS checked by: AJ
date: 09/19/06

Rev:	date:	description:

drawing title: MECHANICAL DETAIL
building no:

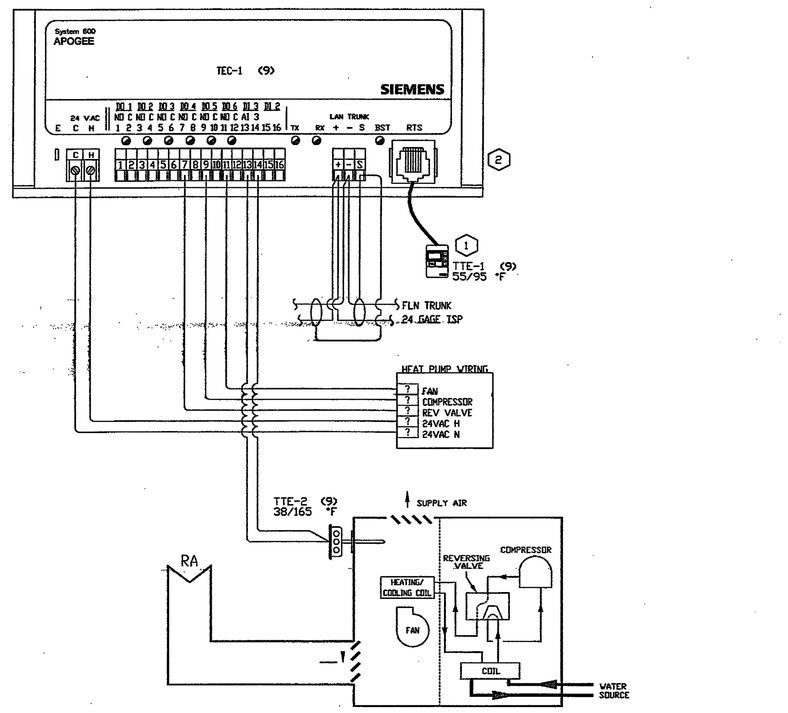
drawing no: M0-6
drawing 79 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



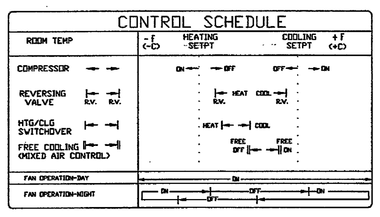
NOT TO SCALE

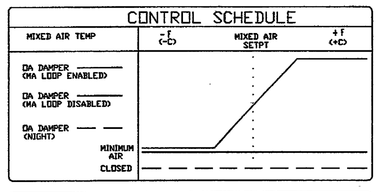
CONDENSER WATER SYSTEM CONTROL DETAIL (1)



INSTALLATION NOTES:

1. LOCATE AS SHOWN ON FLOOR PLANS/CONTRACT DOCUMENTS
2. TEC-1 TO BE MOUNTED IN MANUFACTURER SUPPLIED CONTROLLER ENCLOSURE.





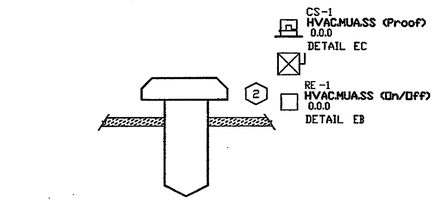
UNIT #	AREA SERVED
VSHP-1	Exam Rm 119, Waiting Rm 120 & Offices 121 & 122
VSHP-2	Conference 'B' Room 123
VSHP-3	Conference 'A' Room 124
VSHP-4	Student Org. Rm 128, Government Office 127 & Svc. Coord. 125 & 126
VSHP-5	Dining Room Area
VSHP-6	Dining Room Area
VSHP-7	Book Storage 113 & Receiving 110
VSHP-8	Food Service Prep 112
VSHP-9	Kitchen 106 & Self Serve Area

DEVICE	SIEMENS FITTER	SIEMENS ELEC.	MANUFACTURER	DIVISION 16	DIVISION 15
TTE-1,2		M,W			
TEC-1			M,W		
FLN TRUNK		W			
POWER (24VAC)		W			

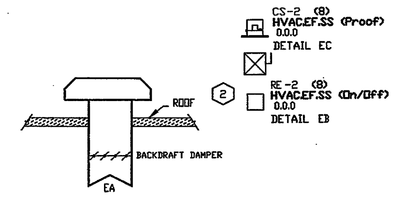
W-WIRED
M-MOUNTED
P-PIPED

NOT TO SCALE

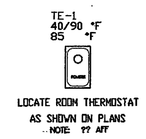
WATER SOURCE HEAT PUMP CONTROL DETAIL (2)



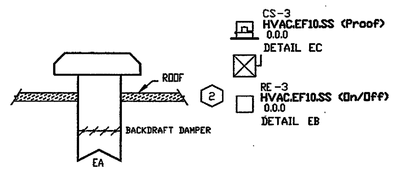
A 003 Make-up Fan Control
Location: Roof
Interlock Control with Exhaust Fans EF-1 & 2



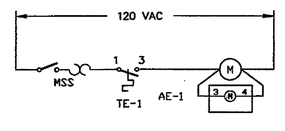
B 003 Exhaust Fan Control
Typical of 8
Location: Roof
EF-1 thru EF-3 & EF-5 thru EF-9



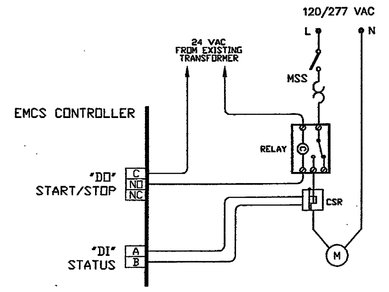
C 003 Line Voltage Thermostat
Serves the Equipment Room 105
Exhaust Fan EF-4



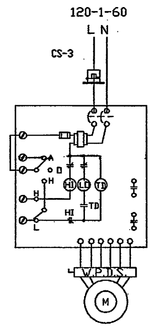
D 003 Fan Speed Controller
Serves the Janitors Room 116
Exhaust Fan EF-10



E 003 Line Voltage Thermostat Wiring
EF-4



F 003 Single Phase Motor Wiring
EF-1 thru EF-3 & EF-5 thru EF-9
MUA-1



G 003 Fan Speed Control Wiring
EF-10

INSTALLATION NOTES:

1. EXISTING TRANSFORMER LOCATED AT CONTROLLER.
2. RELAY LOCATED AT FAN STARTER.

NOT TO SCALE

EXHAUST FAN CONTROL DETAIL (3)

NOT TO SCALE

NOT USED (4)

NOT TO SCALE

NOT USED (5)

NOT TO SCALE

NOT USED (6)

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.2567

architect

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Gary Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

CONSTRUCTION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC. — DATE: SEP 2 9 2006

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

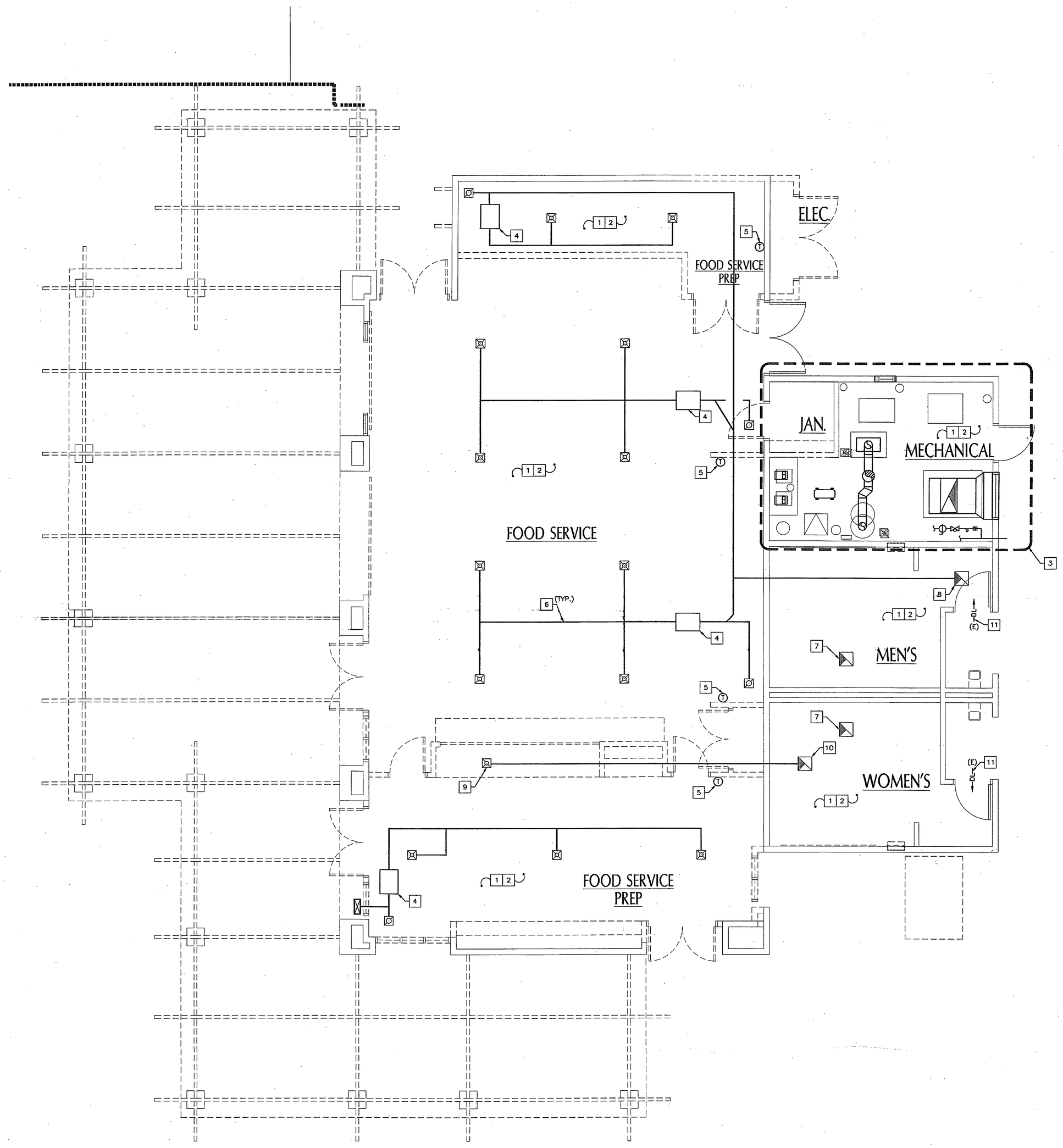
tBP project number : 2040410
file name: DAS-00.dwg
drawn by: LS checked by: AJ
date: 09/19/06

Rev:	date:	description:

drawing title: MECHANICAL DETAIL
building no:

drawing no: M0-7
drawing 80 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



DEMOLITION NOTES

3– SEE SHEET M1–2 FOR MORE INFORMATION.

4– REMOVE EXISTING WSHP UNIT AND ALL ASSOCIATED PIPING AND ACCESSORIES. PREPARE AREA OF REMOVAL FOR INSTALLATION OF NEW WORK. SEE RENOVATION DRAWINGS FOR MORE INFORMATION.

5– REMOVE EXISTING WALL MOUNTED THERMOSTAT AND ALL ASSOCIATED WIRING AND ACCESSORIES. SEE RENOVATION DRAWINGS FOR EXTEND OF WORK.

6– REMOVE EXISTING AIR DISTRIBUTION SYSTEM INCLUDING SUPPLY/RETURN/EXHAUST AIR DUCT, DIFFUSERS AND ALL ASSOCIATED ACCESSORIES. PREPARE AREA OF REMOVAL FOR INSTALLATION OF NEW WORK. SEE RENOVATION DRAWINGS FOR MORE INFORMATION.

7– REMOVE EXISTING CEILING MOUNTED EXHAUST FAN, DISCHARGE AIR DUCT, ROOF CAP, AND ALL ASSOCIATED ACCESSORIES. PREPARE AREA OF REMOVAL FOR INSTALLATION OF NEW WORK. SEE RENOVATION DRAWINGS FOR MORE INFORMATION.

8– REMOVE EXISTING GRAVITY VENTILATOR, ROOF CURB, FRESH AIR SUPPLY DUCTWORK AND ALL ASSOCIATED ACCESSORIES. PATCH ROOF OPENING AND MATCH TO ADJACENT AREA PER ARCHITECT. SEE RENOVATION DRAWINGS FOR EXTEND OF WORK.

9– REMOVE EXISTING CEILING MOUNTED EXHAUST FAN, DISCHARGE AIR DUCT, ROOF CAP, AND ALL ASSOCIATED ACCESSORIES. PREPARE AREA OF REMOVAL FOR INSTALLATION OF NEW WORK. SEE RENOVATION DRAWINGS FOR MORE INFORMATION.

10– REMOVE EXISTING EXHAUST AIR DUCTWORK AND ALL ASSOCIATED ACCESSORIES. PATCH ROOF OPENING AND MATCH TO ADJACENT AREA PER ARCHITECT. SEE RENOVATION DRAWINGS FOR EXTEND OF WORK.

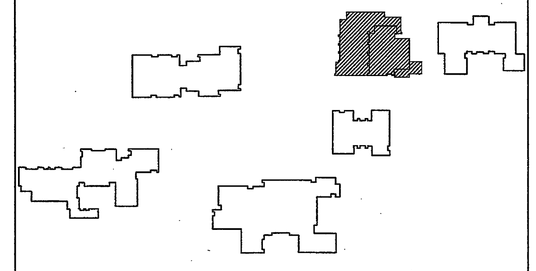
11– REMOVE EXISTING DOOR LOUVER. PREPARE AREA OF REMOVAL FOR INSTALLATION OF NEW WORK. SEE RENOVATION DRAWINGS FOR MORE INFORMATION.

GENERAL NOTE

1– KEYNOTED ITEMS ARE INTENDED TO SHOW THE GENERAL EXTENT OF DEMOLITION. HOWEVER, SOME ITEMS MAY BE COVERED OR OTHERWISE ARE NOT INDICATED. THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING ANY REQUIRED SITE INVESTIGATION PRIOR TO BID. REMOVE ALL ITEMS, WHETHER SHOWN OR NOT, AS NECESSARY TO ACCOMMODATE INSTALLATION OF NEW CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING, AND DEMOLITION REQUIRED TO FACILITATE THE PROPER INSTALLATION OF ALL NEW CONSTRUCTION. COORDINATE WITH ALL OTHER TRADES INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS AND PROVIDE ALL DEMOLITION NECESSARY TO INSTALL NEW WORK.

2– THIS DRAWING HAS BEEN GENERATED BASED ON THE EXISTING AS–BUILT DRAWINGS AND IT IS FOR REFERENCE ONLY. IT IS NOT NECESSARILY INDICATING THE EXACT LAYOUT, SIZES, LOCATION, AND DIMENSIONS OF THE EXISTING SYSTEMS.

KEY PLAN



north

0 2' 4' 8'

FIRST FLOOR DEMOLITION PLAN
SCALE: 1/4"=1'-0" | 1

tBP architecture planning interiors management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.631.0300 fx: 949.631.9267

architect

GLP #115,050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

consultant

DSA APPROVED
DSA/CAC-ACCESS COMPLIANCE
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC ___ RS ___ LS ___
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca. 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2040410
file name: 0AS-00.dwg
drawn by: LS checked by: AJ
date: 09/19/06

Rev:	date:	description:

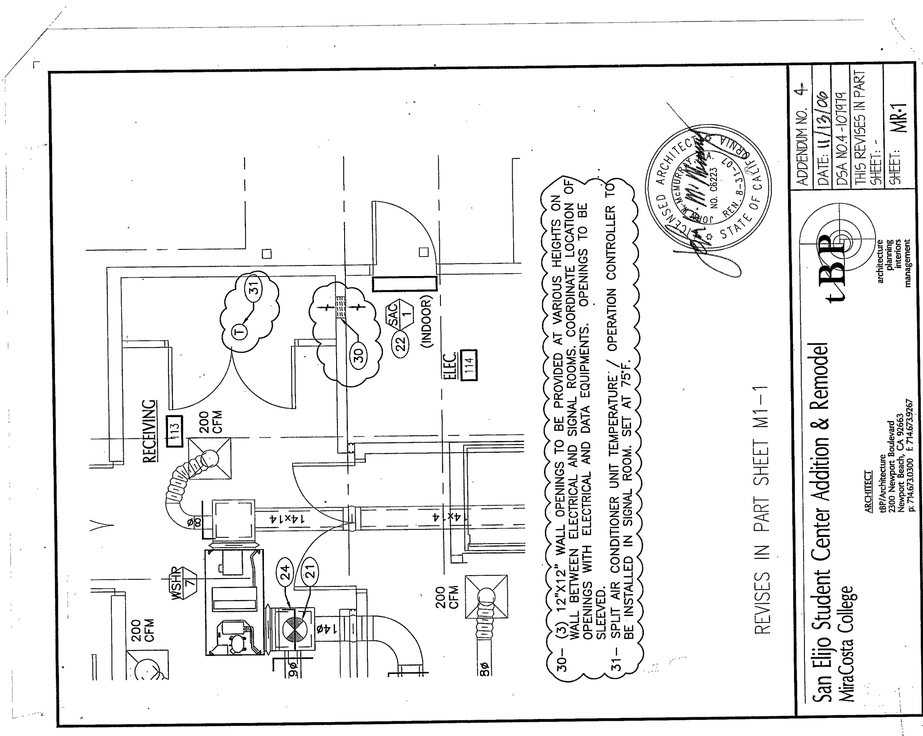
drawing title: FIRST FLOOR DEMOLITON PLAN
building no:

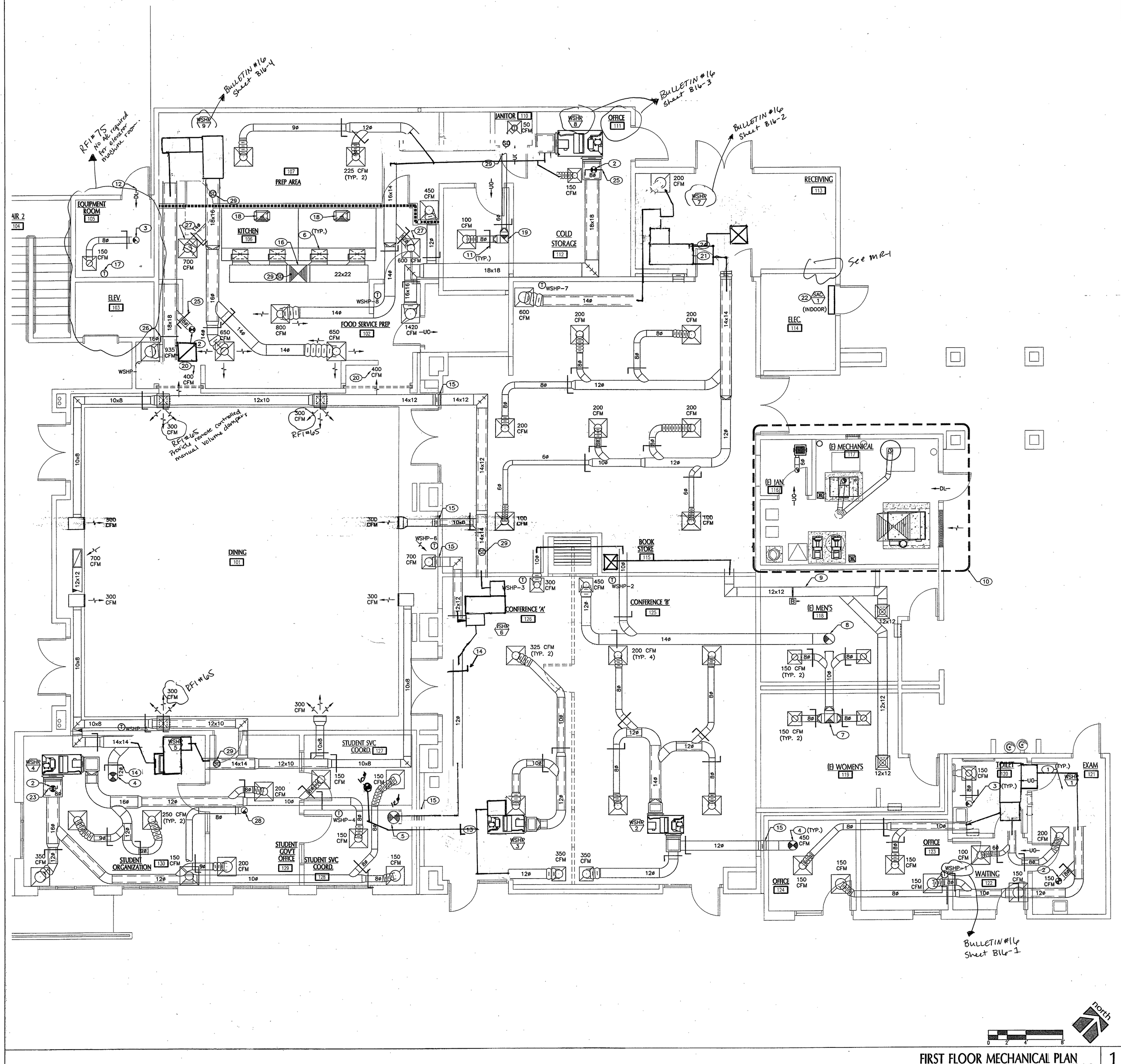
drawing no: M1-0

drawing 81 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.





FIRST FLOOR MECHANICAL PLAN
SCALE: 1/4"=1'-0"

1

PLAN NOTES

1- INSTALL WATER SOURCE HEAT PUMP UNIT. SEE SCHEDULE AND DETAILS FOR MORE INFORMATION. UNITS TO BE COMPLETED WITH COPPER FIN/COPPER TUBE COIL.

2- 8"ø FRESH AIR DUCT UP THRU ROOF. PROVIDE CURB MOUNT ROOF CAP. BALANCE FOR OSA CFM AS SHOWN ON WSHP SCHEDULE.

3- 8"ø EXHAUST AIR DUCT UP AND TRANSITION IN RISE TO UNIT OPENING SIZE, UP THRU ROOF AND CONNECT TO EXHAUST FAN UNIT ON ROOF. USE OF PLENUM IN LIEU OF ELBOW AND TRANSITION IS NOT ACCEPTABLE.

4- 12"ø FRESH AIR DUCT UP THRU ROOF. PROVIDE CURB MOUNT ROOF CAP. BALANCE FOR OSA CFM AS SHOWN ON WSHP SCHEDULE.

5- 16"ø FRESH AIR DUCT UP THRU ROOF. PROVIDE CURB MOUNT ROOF CAP. BALANCE FOR OSA CFM AS SHOWN ON WSHP SCHEDULE.

6- MAKE UP AIR DUCT DOWN AND CONNECT TO MAKE UP AIR PLENUM SUPPLY OPENINGS. SEE FOOD SERVICE FOR SIZES. PROVIDE MANUAL VOLUME DAMPER AT EACH TAKE OFF.

7- 12"X12" EXHAUST AIR DUCT UP AND TRANSITION IN RISE TO UNIT OPENING SIZE, UP THROUGH ROOF AND CONNECT TO EXHAUST FAN UNIT ON ROOF. USE OF PLENUM INLIEU OF ELBOW AND TRANSITION IS NOT ACCEPTABLE.

8- 14"ø EXHAUST AIR DUCT UP AND TRANSITION IN RISE TO UNIT OPENING SIZE, UP THROUGH ROOF AND CONNECT TO EXHAUST FAN UNIT ON ROOF. USE OF PLENUM IN LIEU OF ELBOW AND TRANSITION IS NOT ACCEPTABLE.

9- 12"X12" TRANSFER AIR DUCT WITH TWO 12"X12" TRANSFER AIR GRILLES AND ONE 16"X16" TRANSFER AIR GRILLE. PROVIDE "HARD CONNECTION" USE OF FLEXIBLE DUCTWORK FOR CONNECTING DUCT TO GRILLES IS NOT ACCEPTABLE. PROVIDE BACK DRAFT DAMPER TO PREVENT AIR FLOW FROM RESTROOM TO BOOK STORE.

10- SEE SHEET M1-2 FOR MORE INFORMATION.

11- SEE MANUAL VOLUME DAMPER NOTE ON SHEET M0-1 FOR MORE INFORMATION ON INSTALLATION OF MVD OVER HARD-LID CEILING.

12- PROVIDE NON-VISION, PAINTABLE FINISH DOOR LOUVER WITH MINIMUM 1.0 SQ. FT. OF FREE AREA. PROVIDE BIRD SCREEN.

13- DAMPER SET FOR 300 CFM OF OSA.

14- DAMPER SET FOR 500 CFM OF OSA.

15- PROVIDE APPROVED FLEX CONNECTION AT BUILDING SEPARATION JOINT. SEE GENERAL NOTE.

16- 22"X22" MAKE-UP AIR DUCT UP THRU ROOF. SEE ROOF PLAN FOR CONTINUATION.

17- TIE THERMOSTAT TO EF-4. SET AT 85°F.

18- 20"X10" EXHAUST AIR DUCT DOWN AND CONNECT TO HOOD OPENING AND UP AND TRANSITION IN RISE TO UNIT OPENING SIZE, UP THROUGH ROOF AND CONNECT TO EXHAUST FAN UNIT ON ROOF. USE OF PLENUM IN LIEU OF ELBOW AND TRANSITION IS NOT ACCEPTABLE. PROVIDE SMOOTH TRANSITION IN RISE. SEE DETAIL FOR MORE INFORMATION.

19- 10"X10" EXHAUST AIR DUCT UP AND TRANSITION IN RISE TO UNIT OPENING SIZE, UP THROUGH ROOF AND CONNECT TO EXHAUST FAN UNIT ON ROOF. USE OF PLENUM INLIEU OF ELBOW AND TRANSITION IS NOT ACCEPTABLE.

20- TRANSFER AIR THRU DOORWAY. DOOR SHOULD BE REMAIN OPEN DURING OPERATION OF KITCHEN.

21- 14"ø FRESH AIR DUCT UP THRU ROOF. PROVIDE CURB MOUNT ROOF CAP. BALANCE FOR OSA CFM AS SHOWN ON WSHP SCHEDULE.

22- INSTALL SPLIT AIR CONDITIONER INDOOR FAN UNIT ON MANUFACTURER'S MOUNTING BRACKET. SEE DETAIL FOR MORE INFORMATION.

23- DAMPER SET FOR 150 CFM OF OSA.

24- DAMPER SET FOR 600 CFM OF OSA.

25- DAMPER SET FOR 130 CFM OF OSA.

26- DAMPER SET FOR 1870 CFM OF RETURN AIR.

27- PROVIDE 24"X24"X12"H PLENUM WITH PERFORATED SA GRILLE FOR 700 CFM.

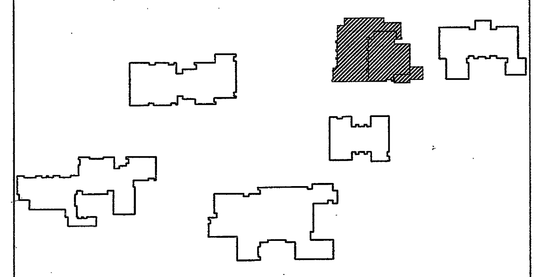
28- 8"ø EXHAUST AIR DUCT UP AND TRANSITION IN RISE TO UNIT OPENING SIZE, UP THROUGH ROOF AND CONNECT TO EXHAUST FAN UNIT ON ROOF. USE OF PLENUM INLIEU OF ELBOW AND TRANSITION IS NOT ACCEPTABLE.

29- FIRE MARSHAL APPROVED, UL LISTED DUCT SMOKE DETECTOR TO BE INSTALLED IN MAIN SUPPLY AIR DUCT STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. TIE TO FIRE ALARM SYSTEM TO IMMEDIATELY SHUT DOWN THE UNIT UPON SMOKE DETECTION. MANUFACTURER'S INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITY.

GENERAL NOTES

1- PROVIDE APPROVED FLEXIBLE CONNECTION FOR ALL DUCTS AND PIPES AT BUILDING SEPERATION JOINTS. COORDINATE LOCATION AND LENGTH OF THE FLEXIBLE CONNECTION.

KEY PLAN



tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 9496730300 fx: 9496739267

architect

GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8900
GLP #115.050

consultant

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC
DATE 12 28 06

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 8586745400 fx: 8586745471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

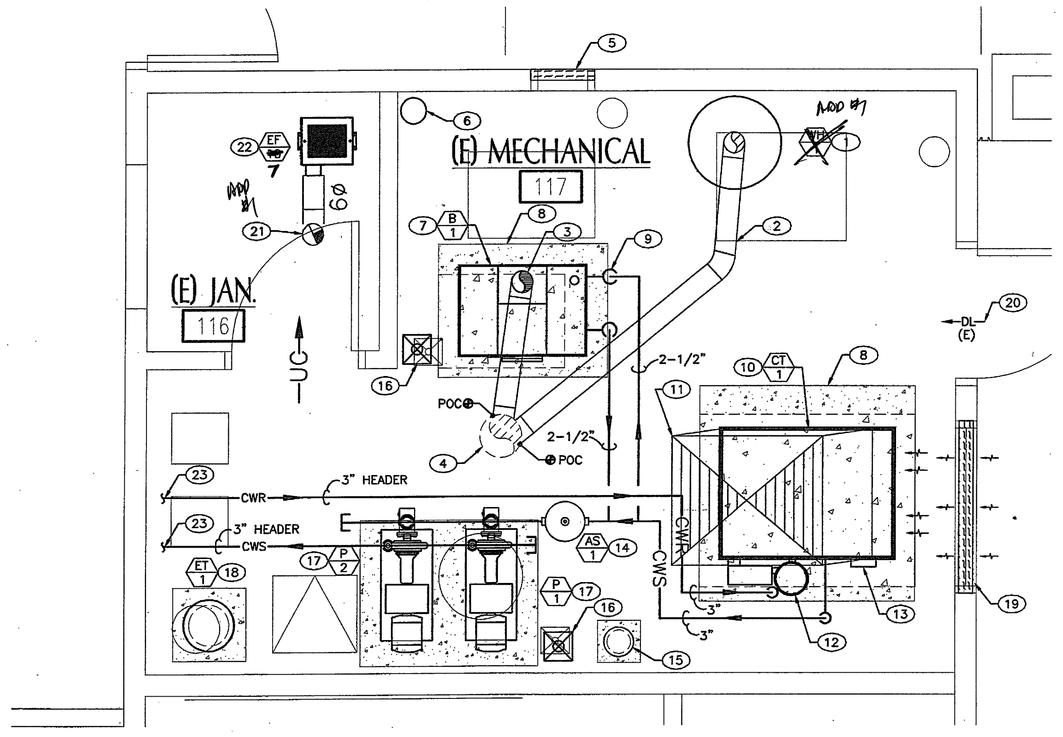
tBP project number : 20489.10
file name: 0AS-00.dwg
drawn by: LS checked by: AJ
date: 04/11/06

Rev:	date:	description:

drawing title: FIRST FLOOR MECHANICAL PLAN
building no:

drawing no: M1-1
drawing 82 of 107

SAN B400 & B900 BUILDING RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY. Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



ENLARGED MECHANICAL ROOM - RENOVATION | 2

SCALE: 1/2"=1'-0"

RENOVATION PLAN NOTES

1- WATER HEATER. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.

2- 6"ø WATER HEATER FLUE PIPE TO CONNECT TO EXISTING MAIN FLUE PIPE THRU ROOF AT POC.

3- 5"ø BOILER FLUE PIPE TO CONNECT TO EXISTING MAIN FLUE PIPE THRU ROOF AT POC.

4- (E)MAIN FLUE PIPE THRU ROOF. CONTRACTOR TO FIELD VERIFY THE CONDITION OF THIS PIPE AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.

5- (E)COMBUSTION AIR LOUVER.

6- FIRE SPRINKLER RISER LOCATION. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.

7- HOT WATER GENERATOR (BOILER) TO BE INSTALLED PER DETAIL 8/M0-5 AND 4/M0-6 AND AS INSTRUCTED /REQUIRED BY UNIT MANUFACTURER FOR OPERATION WITHIN CLOSED LOOP WATER SOURCE HEAT PUMP SYSTEM. PROVIDE SYSTEM SECONDARY PUMP AS NOTED IN THE EQUIPMENT SCHEDULE.

8- EXPANDED CONCRETE PAD AS SHOWN ON DETAIL 8/M0-5 AND STRUCTURAL DETAILS.

9- 2-1/2" CWS&CWR PIPES DOWN TO CONNECT TO HOT WATER GENERATOR.

10- CLOSED CIRCUIT INDOOR COOLING TOWER TO BE INSTALLED PER DETAIL 5/M0-5 AND 4/M0-6 AND AS INSTRUCTED /REQUIRED BY UNIT MANUFACTURER.

11- 3'-6"X2'-11" STAINLESS STEEL DISCHARGE DUCT UP /TRANSITION IN RISE AS REQUIRED TO GO THRU ENLARGED ROOF OPENING AS SHOWN ON STRUCTURAL DRAWINGS. REFER TO DETAIL 5/M0-5 FOR CONNECTION REQUIREMENTS, AND MORE INFORMATION.

12- WATER TREATMENT SYSTEM AS MANUFACTURED BY DOLPHIN OR EQUAL.

13- INSTALL DOLPHIN WATER TREATMENT SYSTEM TRANSFORMER/ CONTROL PANEL ON THE UNIT AS INSTRUCTED BY SYSTEM MANUFACTURER.

14- CONDENSER WATER SYSTEM AIR SEPARATOR TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND AS SHOWN ON 4/M0-6.

15- CONDENSER WATER LOOP WATER TREATMENT POT FEEDER TO BE INSTALLED PER DETAIL 8/M0-4 AND 4/M0-6, AND AS REQUIRED BY WATER TREATMENT SYSTEM PROVIDER.

16- (E) FLOOR SINK. SEE MECHANICAL AND PLUMBING DETAILS FOR REQUIRED DRAINAGE SYSTEM OF MECHANICAL AND PLUMBING SYSTEM TO BE DISCHARGED TO THE FLOOR SINKS.

17- BASE MOUNTED CONDENSER WATER CIRCULATION PUMP. SEE DETAIL 8/M0-4, 4/M0-6 AND 1/M0-5 FOR MORE INFORMATION ON INSTALLATION OF THE PUMPS.

18- SYSTEM EXPANSION TANK TO BE INSTALLED PER DETAIL 4/M0-6, 7/M0-5 AND 8/M0-4.

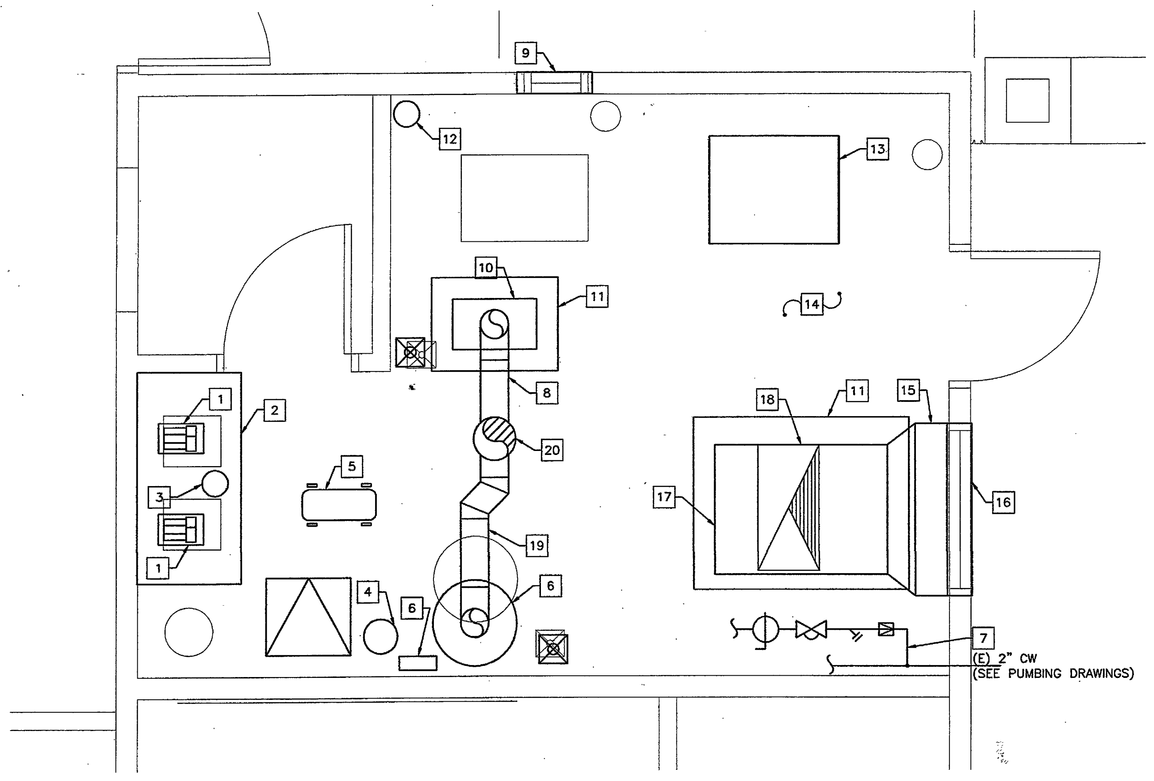
19- INSTALL 4'X5' LOUVER EQUAL TO RUSKIN MODEL ELF3750X OR EQUAL WITH MAXIMUM OF .05" WG STATIC PRESSURE DROP AND NO WATER PENETRATION OCCUR AT LESS THAN 700 FPM. USE THE OPENING TO TRANSFER THE NEW COOLING TOWER INTO THE MECHANICAL ROOM BEFORE INSTALLATION OF THIS LOUVER.

20- (E) DOOR LOUVER. CONTRACTOR TO FIELD VERIFY THE CONDITION OF DOOR LOUVER AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.

21- 8"ø EXHAUST AIR DUCT UP THRU ROOF. PROVIDE GOOSE NECK.

22- CEILING MOUNTED EXHAUST FAN UNIT. SEE EXHAUST FAN UNIT SCHEDULE FOR MORE INFORMATION.

23- SEE SHEET M3-2 FOR CONTINUATION OF PIPING.



ENLARGED MECHANICAL ROOM - DEMOLITION | 1

SCALE: 1/2"=1'-0"

DEMOLITION PLAN NOTES

1- REMOVE BASE MOUNTED CENTRIFUGAL PUMP AND ALL ASSOCIATED PIPING AND ACCESSORIES. SEE RENOVATION FLOOR PLAN FOR EXTENT OF WORK.

2- REMOVE CONCRETE PAD. PREPARE AREA OF REMOVAL FOR INSTALLATION OF NEW CONCRETE PAD. SEE RENOVATION FLOOR PLAN AND STRUCTURAL DRAWINGS FOR MORE INFORMATION.

3- CHEMICAL TREATMENT POT FEEDER AND ALL ASSOCIATED PIPING ACCESSORIES TO BE REMOVED.

4- REMOVE AIR SEPARATOR AND ALL ASSOCIATED PIPING AND ACCESSORIES. PREPARE AREA OF REMOVAL FOR INSTALLATION OF NEW PIPING AND EQUIPMENT AS LAID OUT ON MECHANICAL RENOVATION PLAN.

5- REMOVE SUSPENDED EXPANSION TANK, ITS SUPPORT AND ALL ASSOCIATED ACCESSORIES. PREPARE AREA OF REMOVAL FOR INSTALLATION OF NEW WORK.

6- WATER HEATER AND CIRCULATING PUMP. SEE PLUMBING DRAWINGS FOR MORE INFORMATION ON EXTENT OF WORK.

7- REMOVE 1" MAKE UP WATER LINE AND ITS ASSOCIATED DEVICES. PREPARE AREA OF REMOVAL FOR INSTALLATION OF NEW WORK.

8- REMOVE HEATING BOILER'S FLUE LINE UP TO POINT OF CONNECTION TO THE MAIN LINE THROUGH ROOF.

9- COMBUSTION AIR HIGH LOUVER TO REMAIN.

10- REMOVE BOILER AND ALL ASSOCIATED PIPING AND ACCESSORIES. PREPARE AREA OF REMOVAL FOR INSTALLATION OF NEW BOILER.

11- CONCRETE PAD TO REMAIN. SEE RENOVATION FLOOR PLAN FOR EXTENT OF WORK.

12- FIRE SPRINKLER RISER. SEE PLUMBING DRAWINGS FOR EXTENT OF WORK.

13- EXISTING TRANSFORMER. SEE ELECTRICAL DRAWINGS FOR EXTENT OF WORK.

14- REFER TO GENERAL DEMOLITION NOTES, SELECTIVE DEMOLITION NOTES ON SHEET M0-1 AND SPECIFICATION FOR COMPLETE MECHANICAL DEMOLITION REQUIREMENTS. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO OBSERVE THE EXISTING AIR DISTRIBUTION SYSTEM, EXISTING TEMPERATURE CONTROL SYSTEMS AND OTHER EXISTING HVAC RELATED WORKS REQUIRED TO BE DEMOLISHED FOR PROPER EXECUTION AND COMPLETION OF THE MODERNIZATION WORK. CONTRACTOR SHALL OBTAIN A COMPLETE SET OF BID DOCUMENTS AND REFER TO THE DOCUMENTS OF OTHER DISCIPLINES FOR RELATED MECHANICAL DEMOLITION WORK TO BE INCLUDED IN THE BID. CONTRACTOR SHALL EXAMINE THE DEMOLITION AND RENOVATION SCOPE OF WORK AS INDICATED ON THIS SET OF DRAWINGS AND ENSURE THAT ALL REQUIRED DEVICES AND SYSTEMS WHICH ARE NOT CALLED OUT ON DEMOLITION DRAWINGS AND ARE NEEDED FOR COMPLETION AND PROPER OPERATION OF THE NEW SYSTEM WILL BE PROTECTED DURING CONSTRUCTION AND WILL BE TIED BACK TO THE NEW SYSTEM AS NEEDED.

15- REMOVE ALL INTAKE DUCT WORK SYSTEM.

16- REMOVE 60" X 48" INTAKE LOUVER. PREPARE AREA OF REMOVAL FOR FOR INSTALLATION OF NEW LOUVER. SEE RENOVATION FLOOR PLAN FOR MORE INFORMATION.

17- REMOVE COOLING TOWER AND ITS ASSOCIATED DUCTWORK, PIPING AND ACCESSORIES. PREPARE AREA OF REMOVAL FOR INSTALLATION OF NEW COOLING TOWER. SEE RENOVATION PLAN FOR EXTENT OF WORK.

18- REMOVE DISCHARGE DUCT IN ITS ENTIRETY. PREPARE AREA OF REMOVAL FOR INSTALLATION OF NEW DISCHARGE DUCT. SEE RENOVATION FLOOR PLAN FOR EXTENT OF WORK.

19- REMOVE WATER HEATER FLUE LINE UP TO POINT OF CONNECTION TO THE MAIN LINE THROUGH ROOF.

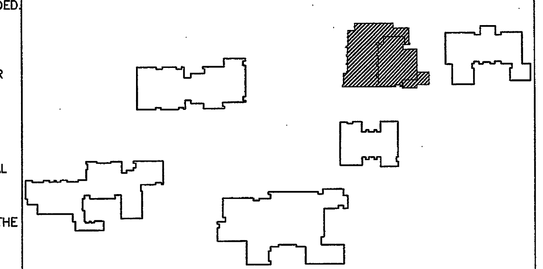
20- FLUE PIPE THRU ROOF TO REMAIN. PREPARE MAIN LINE FOR NEW CONNECTIONS OF THE WATER HEATER AND HEATING GENERATOR (BOILER) FLUE LINES AS REQUIRED. SEE RENOVATION FLOOR PLAN FOR EXTENT OF WORK.

GENERAL NOTE

KEYNOTED ITEMS ARE INTENDED TO SHOW THE GENERAL EXTENT OF DEMOLITION. HOWEVER, SOME ITEMS MAY BE COVERED OR OTHERWISE ARE NOT INDICATED. THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING ANY REQUIRED SITE INVESTIGATION PRIOR TO BID. REMOVE ALL ITEMS, WHETHER SHOWN OR NOT, AS NECESSARY TO ACCOMMODATE INSTALLATION OF NEW CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING, AND DEMOLITION REQUIRED TO FACILITATE THE PROPER INSTALLATION OF ALL NEW CONSTRUCTION. COORDINATE WITH ALL OTHER TRADES INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS AND PROVIDE ALL DEMOLITION NECESSARY TO INSTALL NEW WORK.

THIS DRAWING HAS BEEN GENERATED BASED ON THE EXISTING AS-BUILT DRAWINGS AND IT IS FOR REFERENCE ONLY. IT IS NOT NECESSARILY INDICATING THE EXACT LAYOUT, SIZES, LOCATION, AND DIMENSIONS OF THE EXISTING SYSTEMS.

KEY PLAN



tBP
architecture
planning
interiors
management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 9496730300 fx: 9496739267
architect

GLP #115,050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805
consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 8586745400 fx: 8586745471
agency

APPROVED STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC ___ RG 10 15 DV
DATE SEP 2 9 2006

San Elijo Student Center
MiraCosta College
MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007
owner

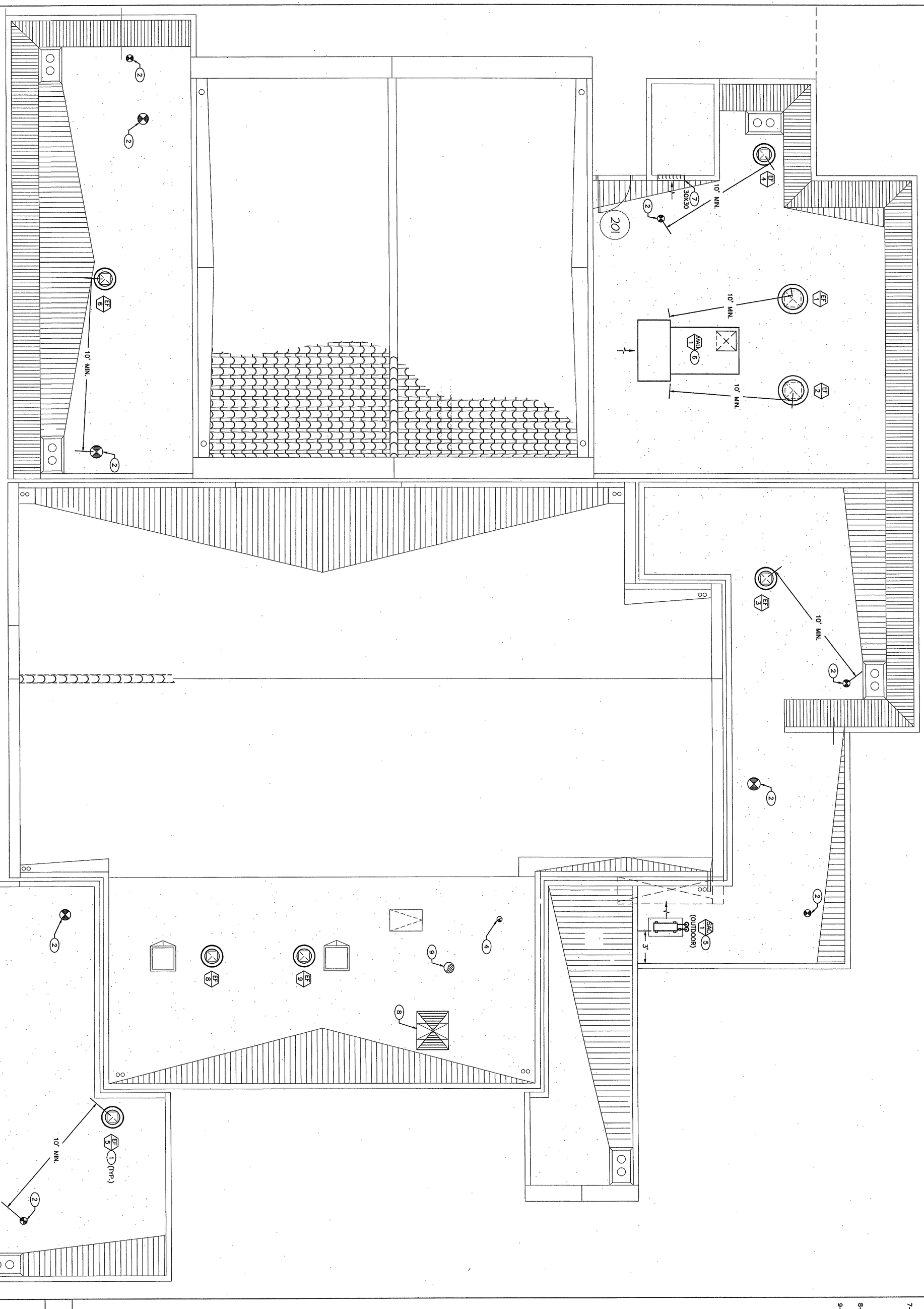
tBP project number : 2048.10
file name: 0AS-00.dwg
drawn by: LS checked by: AJ
date: 09/19/06

Rev.	date:	description:

drawing title: ENLARGED MECHANICAL ROOM
building no:

drawing no: M1-2
drawing 83 of 109

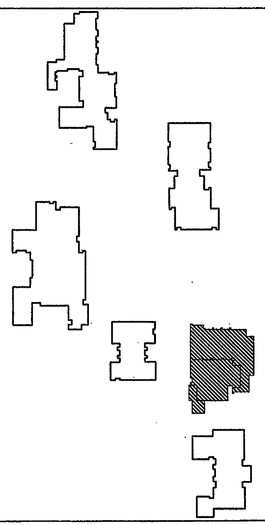
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



MECHANICAL ROOF PLAN
SCALE: 1/4"=1'-0"

1

KEY PLAN



PLAN NOTES

1– INSTALL ROOF CURB MOUNT EXHAUST FAN UNIT. SEE SCHEDULE AND DETAIL FOR MORE INFORMATION ON INSTALLATION OF THE UNIT.

2– FRESH AIR DUCT DOWN THRU ROOF. PROVIDE CURB MOUNT ROOF CAP. SEE FLOOR PLAN FOR SIZES.

3– NOT USED.

4– EXHAUST AIR DUCT DOWN THRU ROOF. PROVIDE GOOSE NECK. SEE FLOOR PLAN FOR SIZES.

5– SPLIT AIR CONDITIONER OUTDOOR CONDENSER UNIT ON ROOF. SEE SCHEDULE AND DETAIL FOR MORE INFORMATION ON INSTALLATION OF THE UNIT.

6– INSTALL MAKE-UP AIR UNIT ON MANUFACTURER'S GALVANIZED ROOF CURB AND PER MANUFACTURER'S RECOMMANDATION. SEE DETAIL AND SCHEDULE FOR MORE INFORMATION.

7– PROVIDE WALL LOUVER WITH MINIMUM 3.0 SQ. FT. OF FREE AREA. WALL LOUVER TO HAVE NO LESS THAN 54% OF FREE AREA. WALL LOUVER TO HAVE NO MORE THAN 0.06 IN.W.G. IN PRESSURE DROP AT 700 FPM FREE AREA FACE VELOCITY. WALL LOUVER TO HAVE NO MORE THAN 0.01 OZ/SQ.FT. WATER PENETRATION AT 850 FPM FREE AREA FACE VELOCITY. PROVIDE BIRD SCREEN.

8– 42"X35" COOLING TOWER AIR DISCHARGE AIR DUCT DOWN THRU ROOF. SEE SHEET M1-2 FOR MORE INFORMATION. PROVIDE BIRD SCREEN.

9– EXISTING FLUE LINE THRU ROOF. PROVIDE ROOF CAP AS REQUIRED.

drawing title: FIRST FLOOR MECHANICAL PLAN
building no:
drawing no: M2-1
drawing 64 of 107

Rev date description

date: 04/14/06
drawn by: LS checked by: AJ
file name: 0AS-00.dwg
tBP project number: 2048.10

owner

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

agency

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC 1 RS 0 SS DL
DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

consultant

REGISTERED PROFESSIONAL ENGINEER
MATTHEW M. PEZESHKI
No. M 29925
EXP. 6-30-08
MECHANICAL
STATE OF CALIFORNIA

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

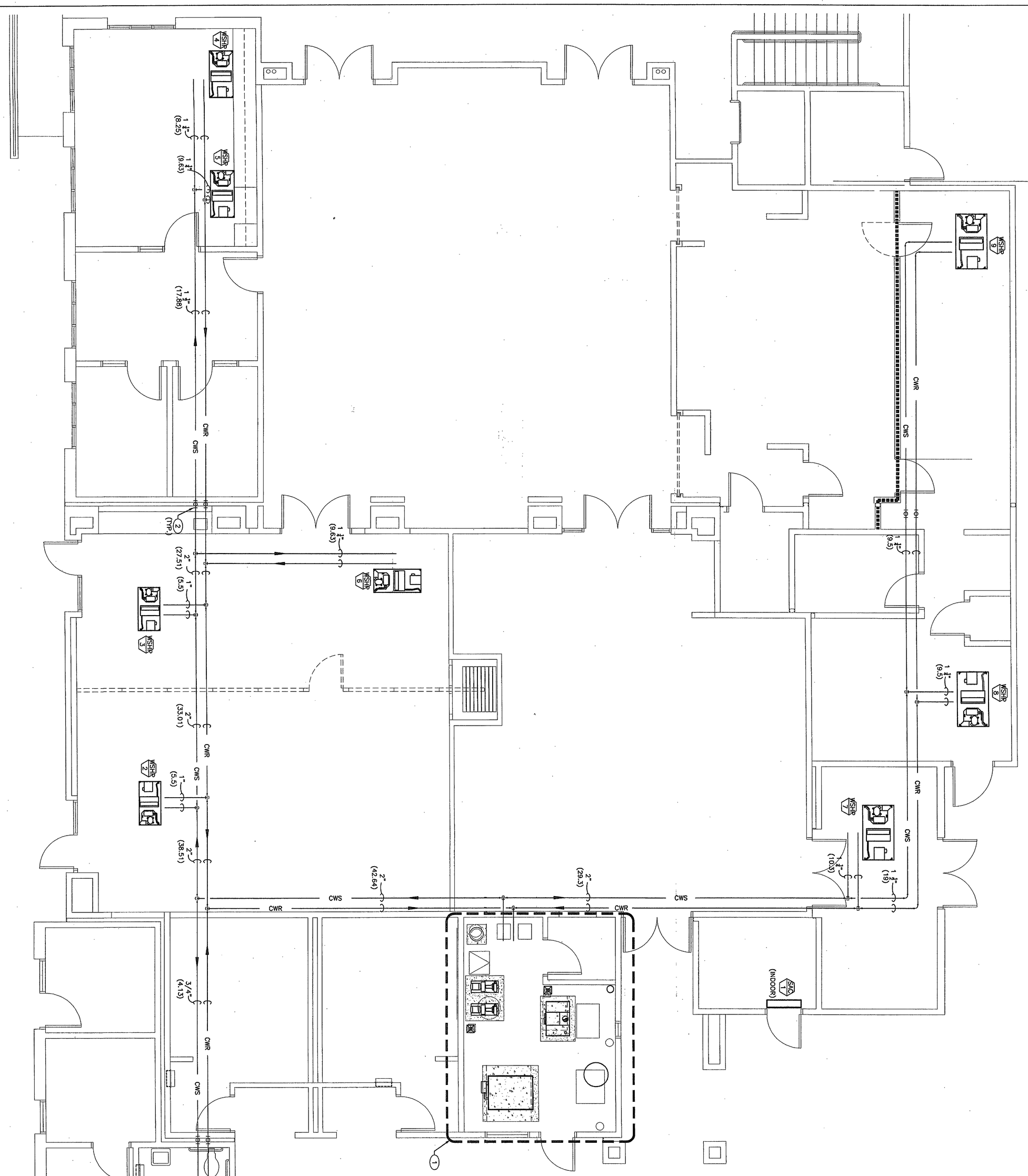
architect

LICENSED ARCHITECT
JOSEPH MENDOZA
No. 06223
REN. 8-31-07
STATE OF CALIFORNIA

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

tBP
architecture
planning
interiors
management

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



FIRST FLOOR MECHANICAL PLAN

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

0 2 4 8

north

1

KEY PLAN

NORTH

PLAN NOTES

1- SEE SHEET M1-2 FOR CONTINUATION OF PIPING AND MORE INFORMATION.

2- NON METALLIC EXPANSION JOINT INSTALLED ON CWS&R LINES. INSTALL EXPANSION JOINT PER MANUFACTURER'S RECOMMENDATIONS.

RFI #69 - Seismic joints for condensed water piping.

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number: 204910
file name: DAS-00.dwg
drawn by: LS checked by: AJ
date: 09/01/06
Rev: date: description:

drawing title: FIRST FLOOR MECH. PIPING PLAN
building no:
drawing no: M3.1
drawing 85 of 107

agency

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC ___ RS ___ SS ___ DL ___
DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

consultant

REGISTERED PROFESSIONAL ENGINEER
MATTHEW M. PEZESTRI
No. M 29925
EXP. 6-30-08
MECHANICAL
STATE OF CALIFORNIA

GLP #115.050

GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

architect

LICENSED ARCHITECT
JOSEPH A. MCMURRAY
No. 20225
REN. 8-31-07
STATE OF CALIFORNIA

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

tBP
architecture
planning
interiors
management

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

PERFORMANCE CERTIFICATE OF COMPLIANCE Part 1 of 3 PERF-1

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

PROJECT ADDRESS: 3333 Manchester Ave Cardiff by the sea

PRINCIPAL DESIGNER - FIRM NAME: tBP Architecture — TELEPHONE: (949)673-0300

DOCUMENTATION AUTHOR: GLP Engineering, Inc. — TELEPHONE: (949) 408-8800

GENERAL INFORMATION

BUILDING CORRIDOR/FLOOR AREA: 6,164 s.f. — CLIMATE ZONE: 7

BUILDING TYPE: ☒ NONRESIDENTIAL ☐ HIGH RISE RESIDENTIAL ☐ HOTEL/MOTEL/GUEST ROOM

PHASE OF CONSTRUCTION: ☐ NEW CONSTRUCTION ☐ ADDITION ☒ EXISTING + ADDITION/ALTERATION

STATEMENT OF COMPLIANCE

This Principal Designer hereby certifies that the proposed building design as represented in the set of construction documents for which compliance is claimed and these documents are consistent with the design compliance forms and worksheets, with the specifications, and with any other calculations submitted with this application for a building permit, and that the building will be constructed in accordance with the mandatory requirements contained in sections 110, 116, 117, 118, and 140.6, 140.7, 140.8 or 140.9 of Title 24, Part 6.

Documentation Author Signature: _____ Date: 9-25-06

ENV, LTG, MECH.

☐ ☒ ☐ 1. I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to prepare the plans and specifications submitted with this permit application. I am licensed as a mechanical engineer in the State of California as a civil engineer, mechanical engineer, or I am a licensed architect.

☐ ☐ ☐ 2. I affirm that I am eligible under the provisions of Business and Professions Code Section 7031.5 or Labor Code Section 3700.5 to apply for this document as the person responsible for the preparation and that I am a licensed contractor performing this work.

☐ ☐ ☐ 3. I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because I qualify for an exemption from the requirement to be licensed or registered as an engineer or architect. I am the owner of a structure or a structure on property owned by me, and I am building a structure of a type described in Section 7044 of the Business and Professions Code (the Owner-Builder Law) for my own occupancy. I am not building the structure with the intent to offer it for sale, lease, or rent. I am not exempt from the Owner-Builder Law by virtue of having built more than four structures within the preceding year. I am not building the structure for others who pay me wages or other consideration. I am not relying on an exemption from the Owner-Builder Law if I have hired or have had under my control at any time during the project a person who is required to have a license or be registered to perform the work he or she is doing. I am aware of the general duty of owners who employ others to perform work on their property to take reasonable precautions to prevent injury to those persons. I am aware of my liability for violations of the Owner-Builder Law that are punishable by a fine of up to $2,500.

☐ ☐ ☐ 4. I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because I am a licensed architect, registered mechanical engineer, or registered civil engineer qualified to practice mechanical systems engineering. I am the person responsible for the mechanical design and I will be the person responsible for performing the field observations required by Section 116 of the Business and Professions Code. I am not relying on an unlicensed person to perform the mechanical design.

ENVELOPE COMPLIANCE

Indicate location on plans of Note Block for Mandatory Measures

Principal Envelope Designer - Name: Gary L. Petrak — Signature: _____ — Required Forms: ENV-1 — HC ISO: — Date: _____

Principal Envelope Designer - Firm Name: tBP Architecture

LIGHTING COMPLIANCE

Indicate location on plans of Note Block for Mandatory Measures

Principal Lighting Designer - Name: Gary L. Petrak — Signature: _____ — Required Forms: LTG-1, LTG-2, LTG-3, LTG-4, LTG-5 — Date: 9/25/06

MECHANICAL COMPLIANCE

Indicate location on plans of Note Block for Mandatory Measures

Principal Mechanical Designer - Name: Matthew M. Pezeshki — Signature: _____ — Required Forms: MECH-1, MECH-2, MECH-3, MECH-5 — Date: 9/25/06

Run Initiation Time: 09/20/06 13:44:36 — Run Code: 1158785076 — Job Number: 115/00

CERTIFICATE OF COMPLIANCE (Part 1 of 3) ENV-1-C

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

OPAQUE SURFACES

#	Surface Type	Area	U-Fac.	Insulation Cav.	Insulation Cont.	Assembly Assm.	Tilt	Construction Shading	Joint Appendix Ref. Reference	Location / Comments
1	Roof	4,662	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Book Store
2	Roof	76	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Elec RM
3	Roof	78	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Toilet RM
4	Roof	1,200	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference A
5	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference B
6	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference C
7	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference D
8	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference E
9	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference F
10	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference G
11	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference H
12	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference I
13	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference J
14	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference K
15	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference L
16	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference M
17	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference N
18	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference O
19	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference P
20	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference Q
21	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference R
22	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference S
23	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference T
24	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference U
25	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference V
26	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference W
27	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference X
28	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference Y
29	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference Z
30	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference AA
31	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference BB
32	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference CC
33	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference DD
34	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference EE
35	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference FF
36	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference GG
37	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference HH
38	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference II
39	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference JJ
40	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference KK
41	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference LL
42	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference MM
43	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference NN
44	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference OO
45	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference PP
46	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference QQ
47	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference RR
48	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference SS
49	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference TT
50	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference UU
51	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference VV
52	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference WW
53	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference XX
54	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference YY
55	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference ZZ
56	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference AAA
57	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference BBB
58	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference CCC
59	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference DDD
60	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference EEE
61	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference FFF
62	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference GGG
63	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference HHH
64	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference III
65	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference JJJ
66	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference KKK
67	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference LLL
68	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference MMM
69	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference NNN
70	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference OOO
71	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference PPP
72	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference QQQ
73	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference RRR
74	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference SSS
75	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference TTT
76	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference UUU
77	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference VVV
78	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference WWW
79	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference XXX
80	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference YYY
81	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference ZZZ
82	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference AAAA
83	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference BBBB
84	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference CCCC
85	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference DDDD
86	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference EEEE
87	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference FFFF
88	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference GGGG
89	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference HHHH
90	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference IIII
91	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference JJJJ
92	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference KKKK
93	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference LLLL
94	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference MMMM
95	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference NNNN
96	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference OOOO
97	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference PPPP
98	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference QQQQ
99	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference RRRR
100	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference SSSS
101	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference TTTT
102	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference UUUU
103	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference VVVV
104	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference WWWW
105	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference XXXX
106	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference YYYY
107	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference ZZZZ
108	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference AAAAA
109	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference BBBBB
110	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference CCCCC
111	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference DDDDD
112	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference EEEEE
113	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference FFFFF
114	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference GGGGG
115	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference HHHHH
116	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference IIIII
117	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference JJJJJ
118	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference KKKKK
119	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference LLLLL
120	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference MMMMM
121	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference NNNNN
122	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference OOOOO
123	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference PPPPP
124	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference QQQQQ
125	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference RRRRR
126	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference SSSSS
127	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference TTTTT
128	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference UUUUU
129	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference VVVVV
130	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference WWWWW
131	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference XXXXX
132	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference YYYYY
133	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference ZZZZZ
134	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference AAAAAA
135	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference BBBBBB
136	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference CCCCCC
137	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference DDDDDD
138	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference EEEEEE
139	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference FFFFFF
140	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference GGGGGG
141	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference HHHHHH
142	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference IIIIII
143	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference JJJJJJ
144	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference KKKKKK
145	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference LLLLLL
146	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference MMMMMM
147	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference NNNNNN
148	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference OOOOOO
149	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference PPPPPP
150	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference QQQQQQ
151	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference RRRRRR
152	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference SSSSSS
153	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference TTTTTT
154	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference UUUUUU
155	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference VVVVVV
156	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference WWWWWW
157	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference XXXXXX
158	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference YYYYYY
159	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference ZZZZZZ
160	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference AAAAAAA
161	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference BBBBBBB
162	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference CCCCCCC
163	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference DDDDDDD
164	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference EEEEEEE
165	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference FFFFFFF
166	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference GGGGGGG
167	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference HHHHHHH
168	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference IIIIIII
169	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference JJJJJJJ
170	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference KKKKKKK
171	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference LLLLLLL
172	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference MMMMMMM
173	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference NNNNNNN
174	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference OOOOOOO
175	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference PPPPPPP
176	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference QQQQQQQ
177	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference RRRRRRR
178	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference SSSSSSS
179	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference TTTTTTT
180	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference UUUUUUU
181	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference VVVVVVV
182	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference WWWWWWW
183	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference XXXXXXX
184	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference YYYYYYY
185	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference ZZZZZZZ
186	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference AAAAAAAA
187	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference BBBBBBBB
188	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference CCCCCCCC
189	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference DDDDDDDD
190	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference EEEEEEEE
191	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference FFFFFFFF
192	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference GGGGGGGG
193	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference HHHHHHHH
194	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference IIIIIIII
195	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference JJJJJJJJ
196	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference KKKKKKKK
197	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference LLLLLLLL
198	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference MMMMMMMM
199	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference NNNNNNNN
200	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference OOOOOOOO
201	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference PPPPPPPP
202	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference QQQQQQQQ
203	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference RRRRRRRR
204	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference SSSSSSSS
205	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference TTTTTTTT
206	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference UUUUUUUU
207	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference VVVVVVVV
208	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference WWWWWWWW
209	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference XXXXXXXX
210	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference YYYYYYYY
211	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference ZZZZZZZZ
212	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference AAAAAAAAA
213	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference BBBBBBBBB
214	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference CCCCCCCCC
215	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference DDDDDDDDD
216	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference EEEEEEEEE
217	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference FFFFFFFFF
218	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference GGGGGGGGG
219	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference HHHHHHHHH
220	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference IIIIIIIII
221	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference JJJJJJJJJ
222	Roof	74	0.057	R-30	R-0.0	45	0	Non-Shading	01-A17	Conference KKKKKKKKK
223	Roof	74	0.057	R-30	R-0.0	45	0	Non-Sh

INDOOR LIGHTING POWER ALLOWANCE — LTG-5-C

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

ALLOWED LIGHTING POWER (Choose One Method)

COMPLETE BUILDING METHOD - CONDITIONED SPACES

BUILDING CATEGORY (From Section 146 Table 146-B)	WATTS PER SF	COMPLETE BLDG. AREA	ALLOWED WATTS

AREA CATEGORY METHOD - CONDITIONED SPACES

AREA CATEGORY (From Section 146 Table 146-C)	WATTS PER SF	AREA (SF)	ALLOWED WATTS
PAGE TOTAL			
BUILDING TOTAL		AREA	WATTS

TAILORED METHOD - CONDITIONED SPACES

TOTAL ALLOWED WATTS (From LTG-5-C and LTG-5-D): ____

UNCONDITIONED SPACES

Complete Building and Area Category Methods Category (From Section 146 Table 146-B&C)	WATTS PER SF	AREA (SF)	ALLOWED WATTS
Corridor/Restroom/Support	0.80	720	432
PAGE TOTAL		720	432
BUILDING TOTAL		AREA	WATTS

TAILORED METHOD - UNCONDITIONED SPACES

TOTAL UNCONDITIONED SPACES ALLOWED WATTS (From LTG-5-C and LTG-5-D): 0

Run Initiation Time: 09/20/06 13:44:36 Run Code: 1158785076

EnergyPro 4.2 by EnergySoft — User Number: 5491 — Job Number: 115.050 — Page 18 of 30

AIR SYSTEM REQUIREMENTS — Part 1 of 2 — MECH-2-C

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

SYSTEM FEATURES

ITEM OR SYSTEM TAG(S)	AIR SYSTEMS, Central or Single Zone		
	SAC-1	WSHP-1	WSHP-2
Number of Systems	1	1	1

MANDATORY MEASURES	T-24 Section	Reference on Plans or Specification [1]		
Heating Equipment Efficiency	112(a)	n/a	4.45 COP	4.25 COP
Cooling Equipment Efficiency	112(a)	13.0 SEER/11.0 EER	13.5 EER	12.5 EER
Heat Pump Thermostat	112(b)	n/a	Yes	Yes
Furnace Controls	112(d), 115(d)	n/a	n/a	n/a
Natural Ventilation	121(b)	No	No	No
Minimum Ventilation	121(b)	0 cfm	150 cfm	555 cfm
VAV Minimum Position Control	121(c)	No	No	No
Demand Control Ventilation	121(c)	No	No	No
Time Control	131(d), 123(e)	Programmable Switch	Programmable Switch	Programmable Switch
Setback and Setup Control	123(e)	No Setback Required	No Setback Required	No Setback Required
Outdoor Damper Control	122(f)	Gravity	Gravity	Gravity
Isolation Zones	122(g)	n/a	n/a	n/a
Pipe Insulation	123			
Duct Insulation	124	n/a	R-4.2	R-4.2

PRESCRIPTIVE MEASURES				
Calculated Heating Capacity ≤1.4[2]	144 (a)(1)	n/a	n/a	n/a
Proposed Heating Capacity [3]	144 (a)(1)	0 btu/h	52,000 btu/h	31,150 btu/h
Calculated Sensible Cooling Capacity ≥1.2[4]	144 (a)(1)	n/a	n/a	n/a
Proposed Sensible Cooling Capacity [5]	144 (a)(1)	121,000 btu/h	55,870 btu/h	15,662 btu/h
Fan Control	144 (c)	Constant Volume	Constant Volume	Constant Volume
DP Sensor Location	144 (c)			
Supply Pressure Reset (DDC only)	144 (c)	n/a	n/a	n/a
Simultaneous Heat/Cool	144 (d)	n/a	n/a	n/a
Economizer	144 (e)	No Economizer	No Economizer	No Economizer
Heating Air Supply Reset	144 (f)	Constant Temp	Constant Temp	Constant Temp
Cooling Air Supply Reset	144 (f)	Constant Temp	Constant Temp	Constant Temp
Duct Sealing for Prescriptive Compliance [6]	144 (h)	n/a	n/a	n/a

1. For each system and piping item, enter the page number where the required features are documented. If a requirement is not applicable, put "N/A" in the column.
2. Not required for hydronic heating and cooling. Efficiencies must be met per performance criteria and specifications per footnote 1.
3. Enter Yes if System is: Constant Volume, Single Zone; Serves < 5,000 sq ft; Has > 75% duct in unconditioned space. Duct sealing is required for Prescriptive Compliance, see PERF-1 for performance method duct sealing requirements.

NOTES TO FIELD - For Building Department Use Only

Run Initiation Time: 09/20/06 13:44:36 Run Code: 1158785076

EnergyPro 4.2 by EnergySoft — User Number: 5491 — Job Number: 115.050 — Page 19 of 30

AIR SYSTEM REQUIREMENTS — Part 1 of 2 — MECH-2-C

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

SYSTEM FEATURES

ITEM OR SYSTEM TAG(S)	AIR SYSTEMS, Central or Single Zone		
	WSHP-3	WSHP-4	WSHP-5, 6
Number of Systems	1	1	2

MANDATORY MEASURES	T-24 Section	Reference on Plans or Specification [1]		
Heating Equipment Efficiency	112(a)	4.35 COP	4.20 COP	4.20 COP
Cooling Equipment Efficiency	112(a)	12.6 EER	12.7 EER	12.1 EER
Heat Pump Thermostat	112(b)	Yes	Yes	Yes
Furnace Controls	112(d), 115(d)	n/a	n/a	n/a
Natural Ventilation	121(b)	No	No	No
Minimum Ventilation	121(b)	373 cfm	185 cfm	1131 cfm
VAV Minimum Position Control	121(c)	No	No	No
Demand Control Ventilation	121(c)	No	No	Yes
Time Control	131(d), 123(e)	Programmable Switch	Programmable Switch	Programmable Switch
Setback and Setup Control	123(e)	No Setback Required	No Setback Required	No Setback Required
Outdoor Damper Control	122(f)	Gravity	Gravity	Gravity
Isolation Zones	122(g)	n/a	n/a	n/a
Pipe Insulation	123			
Duct Insulation	124	R-4.2	R-4.2	R-4.2

PRESCRIPTIVE MEASURES				
Calculated Heating Capacity ≤1.4[2]	144 (a)(1)	n/a	n/a	n/a
Proposed Heating Capacity [3]	144 (a)(1)	30,270 btu/h	37,621 btu/h	92,344 btu/h
Calculated Sensible Cooling Capacity ≥1.2[4]	144 (a)(1)	n/a	n/a	n/a
Proposed Sensible Cooling Capacity [5]	144 (a)(1)	19,690 btu/h	52,079 btu/h	87,443 btu/h
Fan Control	144 (c)	Constant Volume	Constant Volume	Constant Volume
DP Sensor Location	144 (c)			
Supply Pressure Reset (DDC only)	144 (c)	n/a	n/a	n/a
Simultaneous Heat/Cool	144 (d)	n/a	n/a	n/a
Economizer	144 (e)	No Economizer	No Economizer	No Economizer
Heating Air Supply Reset	144 (f)	Constant Temp	Constant Temp	Constant Temp
Cooling Air Supply Reset	144 (f)	Constant Temp	Constant Temp	Constant Temp
Duct Sealing for Prescriptive Compliance [6]	144 (h)	n/a	n/a	n/a

1. For each system and piping item, enter the page number where the required features are documented. If a requirement is not applicable, put "N/A" in the column.
2. Not required for hydronic heating and cooling. Efficiencies must be met per performance criteria and specifications per footnote 1.
3. Enter Yes if System is: Constant Volume, Single Zone; Serves < 5,000 sq ft; Has > 75% duct in unconditioned space. Duct sealing is required for Prescriptive Compliance, see PERF-1 for performance method duct sealing requirements.

NOTES TO FIELD - For Building Department Use Only

Run Initiation Time: 09/20/06 13:44:36 Run Code: 1158785076

EnergyPro 4.2 by EnergySoft — User Number: 5491 — Job Number: 115.050 — Page 20 of 30

AIR SYSTEM REQUIREMENTS — Part 1 of 2 — MECH-2-C

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

SYSTEM FEATURES

ITEM OR SYSTEM TAG(S)	AIR SYSTEMS, Central or Single Zone		
	WSHP-7	WSHP-8	WSHP-9
Number of Systems	1	1	1

MANDATORY MEASURES	T-24 Section	Reference on Plans or Specification [1]		
Heating Equipment Efficiency	112(a)	4.23 COP	4.40 COP	4.40 COP
Cooling Equipment Efficiency	112(a)	12.6 EER	12.8 EER	12.8 EER
Heat Pump Thermostat	112(b)	Yes	Yes	Yes
Furnace Controls	112(d), 115(d)	n/a	n/a	n/a
Natural Ventilation	121(b)	No	No	No
Minimum Ventilation	121(b)	675 cfm	150 cfm	45 cfm
VAV Minimum Position Control	121(c)	No	No	No
Demand Control Ventilation	121(c)	Yes	No	No
Time Control	131(d), 123(e)	Programmable Switch	Programmable Switch	Programmable Switch
Setback and Setup Control	123(e)	No Setback Required	No Setback Required	No Setback Required
Outdoor Damper Control	122(f)	Gravity	Gravity	Gravity
Isolation Zones	122(g)	n/a	n/a	n/a
Pipe Insulation	123			
Duct Insulation	124	R-4.2	R-4.2	R-4.2

PRESCRIPTIVE MEASURES				
Calculated Heating Capacity ≤1.4[2]	144 (a)(1)	n/a	n/a	n/a
Proposed Heating Capacity [3]	144 (a)(1)	38,466 btu/h	82,455 btu/h	82,855 btu/h
Calculated Sensible Cooling Capacity ≥1.2[4]	144 (a)(1)	n/a	n/a	n/a
Proposed Sensible Cooling Capacity [5]	144 (a)(1)	28,466 btu/h	63,255 btu/h	62,855 btu/h
Fan Control	144 (c)	Constant Volume	Constant Volume	Constant Volume
DP Sensor Location	144 (c)			
Supply Pressure Reset (DDC only)	144 (c)	n/a	n/a	n/a
Simultaneous Heat/Cool	144 (d)	n/a	n/a	n/a
Economizer	144 (e)	No Economizer	No Economizer	No Economizer
Heating Air Supply Reset	144 (f)	Constant Temp	Constant Temp	Constant Temp
Cooling Air Supply Reset	144 (f)	Constant Temp	Constant Temp	Constant Temp
Duct Sealing for Prescriptive Compliance [6]	144 (h)	n/a	n/a	n/a

1. For each system and piping item, enter the page number where the required features are documented. If a requirement is not applicable, put "N/A" in the column.
2. Not required for hydronic heating and cooling. Efficiencies must be met per performance criteria and specifications per footnote 1.
3. Enter Yes if System is: Constant Volume, Single Zone; Serves < 5,000 sq ft; Has > 75% duct in unconditioned space. Duct sealing is required for Prescriptive Compliance, see PERF-1 for performance method duct sealing requirements.

NOTES TO FIELD - For Building Department Use Only

Run Initiation Time: 09/20/06 13:44:36 Run Code: 1158785076

EnergyPro 4.2 by EnergySoft — User Number: 5491 — Job Number: 115.050 — Page 21 of 30

WATER SIDE SYSTEM REQUIREMENTS — Part 2 of 2 — MECH-2-C

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

SYSTEM FEATURES

ITEM OR SYSTEM TAG(S)	T-24 Section	WATER SIDE SYSTEMS: Chillers, Towers, Boilers, Hydronic Loops		
		SAC-1	WSHP-1	WSHP-2
Number of Systems		1	1	1
MANDATORY MEASURES		Reference on Plans or Specification [1]		
Equipment Efficiency	112(a)	10 F App	.04%	
Pipe Insulation	123	n/a	HW Piping	
PRESCRIPTIVE MEASURES				
Calculated Capacity	144 (a 4.b)	33 tons	n/a	
Proposed Capacity	144 (a 4.b)	120,000 btu/h	360,000 btu/h	
Tower Fan Controls	144 (b)	Two-Speed Fan	n/a	
Tower Pool Controls	144 (b)	Fixed Temp	n/a	
Variable Flow System Design	144 (j)	n/a		
Chiller and Boiler Isolation	144 (i)	n/a	n/a	
CHW and HHW Reset Controls	144 (f)	n/a	n/a	
WLHP Isolation Valves	144 (i)	n/a	n/a	
VSD on CHW, CW & WLHP Pumps > 10 HP	144 (o)	n/a	n/a	
DP Sensor Location	144 (c)	n/a	n/a	
Pipe Insulation	123			
Duct Insulation	124	R-4.2	R-4.2	R-4.2

1. For each chiller, cooling tower, boiler, and hydronic loop (or group of similar equipment) fill in the reference to sheet number and/or specification section and paragraph number where the required features are documented. If a requirement is not applicable, put "N/A" in the column.
2. Where site supplied chilled and hot water system only, enter N/A in each box in place of data.

ITEM OR SYSTEM TAG(S)	Service Hot Water, Pool Heating			
	DHW Heater			
Number of Systems:	1			
MANDATORY MEASURES	Reference on Plans or Specification [1]			
Water Heater Certification	113 (a)	A O Smith Water Products		
Water Heater Efficiency	113 (b)	BTH-154		
Service Water Heating Installation	113 (c)			
Pool and Spa Efficiency and Control	110 (a)	n/a		
Pool and Spa Installation	114 (a)	n/a		
Pool Heater - No Pilot Light	113 (c)	n/a		
Spa Heater - No Pilot Light	113 (c)	n/a		

1. For each water heater, pool heat and domestic water tank (or groups of similar equipment) fill in the reference to sheet number and/or specification section and paragraph number where the required features are documented. If a requirement is not applicable, put "N/A" in the column.

NOTES TO FIELD - For Building Department Use Only

Run Initiation Time: 09/20/06 13:44:36 Run Code: 1158785076

EnergyPro 4.2 by EnergySoft — User Number: 5491 — Job Number: 115.050 — Page 22 of 30

MECHANICAL VENTILATION (Section 121(b)3) — MECH-3-C

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

A	AREA BASIS B	C	OCCUPANCY BASIS D	E	F	G	H	I	PRESCRIPTIVE AIRFLOW LIMITATION (Section 146(d)) VAV MINIMUM J	K	L	M	N
ZONE/SYSTEM	Area Category (Table 121A)	Area Floor (sq ft)	Occupancy Category (Table 121A)	Occupancy Floor (# people)	Area Based Ventilation Rate (cfm/sq ft)	Occupancy Based Ventilation Rate (cfm/person)	Ventilation Airflow Rate (cfm)	Design Supply Airflow Rate (cfm)	Min. Primary Airflow Fraction	Min. Primary Airflow (cfm)	Ventilation Airflow Rate (cfm)	Design Supply Airflow Rate (cfm)	Heating Air
ELEC RM	6	0.15	12				12	0					12
SAC-1							Total	12	0				
Office H		420	0.15	63				63	150				
WSHP-1							Total	63	150				
Conference B		624	0.50	314				314	555				
WSHP-2							Total	314	555				
Conference A		479	0.50	239				239	323				
WSHP-3							Total	239	323				
Office D		406	0.15	68				68	165				
WSHP-4							Total	68	165				
Dining		1,620	0.50	788				788	1,331				
WSHP-5, 6							Total	788	1,331				
Book Store		1,220	0.30	361				361	575				
WSHP-7							Total	361	575				
Kitchen		325	0.15	72				73	150				
WSHP-8							Total	73	150				
Kitchen		72	0.15	428				108	45				63
WSHP-9							Total	108	45				

c Multiple ventilation and pre-heated OA. Table 121A.
D Based on Exact use at the people will be exposed during use of occupant and 50% of no OA/occupant rate for spaces designed for occupancy but not occupied.
H Max. Primary Airflow Fraction = 20% of Design Supply Airflow Rate or the minimum ventilation rate, whichever is greater.
M Max. Primary Airflow Fraction = 50% of Design Supply Airflow Rate or the minimum ventilation rate, whichever is greater.
J Design Air Supply Less Than 300 cfm = 50% M
K Equation Line M: 0.3 x K (Peak Airflow)
L Minimum of Columns F, G, or J + M
M This must be less than or equal to Columns I, and greater than or equal to the sum of Columns K+L.
N Transfer air shall be provided where the Occupant Variability or Density is greater than the Design Maximum, or where required, transfer air must be greater than or equal to the difference between the Occupancy Variability or Density and the Design Maximum, as shown in Col. L.

EnergyPro 4.2 by EnergySoft — User Number: 5491 — Job Number: 115.050 — Page 23 of 30

MECHANICAL EQUIPMENT DETAILS — Part 1 of 2 — MECH-5-C

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

CHILLER AND TOWER SUMMARY

Equipment Name	Equipment Type	Qty.	Efficiency	Tons	FLOWS Tot. Qty.	GPM	Motor	Drive	Pump Control
SAC VP-1	Tower w/2.0 amp fan	1	10 F Approach	33	1	72	2.47	94.0%	100.0% Cap-Speed, 2 Way
Building Loop Pumps					1	72	0.00	80.0%	100.0% Cap-Speed, 3 Way
Hot Water Pumps					1	72	0.00	80.0%	100.0% Constant Volume

DHW / BOILER SUMMARY

System Name	System Type	Distribution Type	Qty	Rated Input	Vol. (Gals.)	Condition Status	Energy Factor or Eff.	Standby Losses / Pilot	TANK INSUL. Ext. R-Val.
Raypak HI-0302	Large Gas	Hydronic Heating	1	300,000	0	New	0.84	0.00%	0.0
A.O. Smith Water Products BTH-154	Large Gas	No Pipe Insulation	1	155,000	77	New	0.81	2.52%	0.0

MULTI-FAMILY CENTRAL WATER HEATING DETAILS

Control	#	HP	Type	Hot Water Piping Length (ft) In Plenum	Outside	Buried	Add 1/2" Insulation

CENTRAL SYSTEM RATINGS

System Name	System Type	Qty	HEATING Output	Aux kW	COOLING Output	kW	Efficiency	Condition Status	Economizer Type
Carrier GEH060/060/060/060	Heat Pump	4	60	0.0	54	4.8	11.0 EER	New	No Economizer
Trane GEH060/15	Hydronic Heat Pump	1	21,000	0.0	4.45 COP	55,000	13.0 EER	New	No Economizer
Trane GEH0204	Hydronic Heat Pump	1	30,400	0.0	4.55 COP	25,600	12.6 EER	New	No Economizer
Trane GEH0324 (1)	Hydronic Heat Pump	1	30,400	0.0	4.55 COP	25,600	12.6 EER	New	No Economizer
Trane GEH0305	Hydronic Heat Pump	1	41,200	0.0	4.70 COP	36,000	13.7 EER	New	No Economizer
Trane GEH0542	Hydronic Heat Pump	2	47,500	0.0	4.20 COP	40,200	12.1 EER	New	No Economizer
Trane GEH0643	Hydronic Heat Pump	1	55,200	0.0	4.25 COP	49,000	12.6 EER	New	No Economizer

CENTRAL SYSTEM FAN SUMMARY

System Name	Fan Type	Motor Location	SUPPLY FAN CFM	BHP	Motor Eff.	Drive Eff.	RETURN FAN CFM	BHP	Motor Eff.	Drive Eff.
Carrier GEH060/060/060/060	Constant Volume	Draw-Through	450	0.10	48.0%	100.0%	none			
Trane GEH0015	Constant Volume	Draw-Through	600	0.30	64.0%	100.0%	none			
Trane GEH0024	Constant Volume	Draw-Through	800	0.30	64.0%	100.0%	none			
Trane GEH0024 (1)	Constant Volume	Draw-Through	800	0.30	64.0%	100.0%	none			
Trane GEH0030	Constant Volume	Draw-Through	1,000	0.30	76.0%	100.0%	none			
Trane GEH0042	Constant Volume	Draw-Through	1,200	0.20	76.0%	100.0%	none			
Trane GEH0543	Constant Volume	Draw-Through	1,400	0.50	76.0%	100.0%	none			

Run Initiation Time: 09/20/06 13:44:36 Run Code: 1158785076

EnergyPro 4.2 by EnergySoft — User Number: 5491 — Job Number: 115.050 — Page 24 of 30

MECHANICAL EQUIPMENT DETAILS — Part 1 of 2 — MECH-5-C

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

CHILLER AND TOWER SUMMARY

Equipment Name	Equipment Type	Qty.	Efficiency	Tons	FLOWS Tot. Qty.	GPM	Motor	Drive	Pump Control

DHW / BOILER SUMMARY

System Name	System Type	Distribution Type	Qty	Rated Input	Vol. (Gals.)	Condition Status	Energy Factor or Eff.	Standby Losses / Pilot	TANK INSUL. Ext. R-Val.

MULTI-FAMILY CENTRAL WATER HEATING DETAILS

Control	#	HP	Type	Hot Water Piping Length (ft) In Plenum	Outside	Buried	Add 1/2" Insulation

CENTRAL SYSTEM RATINGS

System Name	System Type	Qty	HEATING Output	Aux kW	COOLING Output	kW	Efficiency	Condition Status	Economizer Type
Trane GEH0600	Hydronic Heat Pump	2	72,000	0.0	4.40 COP	59,300	12.8 EER	New	No Economizer

CENTRAL SYSTEM FAN SUMMARY

System Name	Fan Type	Motor Location	SUPPLY FAN CFM	BHP	Motor Eff.	Drive Eff.	RETURN FAN CFM	BHP	Motor Eff.	Drive Eff.
Trane GEH0600	Constant Volume	Draw-Through	2,000	1.00	93.0%	100.0%	none			

Run Initiation Time: 09/20/06 13:44:36 Run Code: 1158785076

EnergyPro 4.2 by EnergySoft — User Number: 5491 — Job Number: 115.050 — Page 25 of 30

MECHANICAL EQUIPMENT DETAILS — Part 2 of 2 — MECH-5-C

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

ZONE TERMINAL SUMMARY

Zone Name	System Type	VAV TERMINAL BOX Min. CFM	Min. CFM Ratio	Reheat Coil Type	Reheat Coil Cap.	TERMINAL FAN CFM	Motor HP	Drive Eff.	BASEBOARD Type	Output

EXHAUST FAN SUMMARY

ROOM EXHAUST FAN Room Name	Qty.	CFM	BHP	Motor Eff.	Drive Eff.	EXHAUST FAN Room Name	Qty.	CFM	BHP	Motor Eff.	Drive Eff.
RESTROOM	1.0	900	0.10	49.0%	97.0%	dry storage	1.0	450	0.05	49.0%	97.0%
toilet 119	1.0	550	0.00	40.0%	97.0%						
student qy 125	1.0	550	0.00	40.0%	97.0%						

Run Initiation Time: 09/20/06 13:44:36 Run Code: 1158785076

EnergyPro 4.2 by EnergySoft — User Number: 5491 — Job Number: 115.050 — Page 26 of 30

ENVELOPE MANDATORY MEASURES — ENV-MM

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

DESCRIPTION	Designer	Enforcement
[X] §110(a) Installed Insulating Material shall have been certified by the manufacturer to comply with the California Quality Standards for insulating material, Title 20, Chapter 4, Article 3.		
[X] §110(b) All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 2603 of Title 24, Part 2.		
[X] §110(c) All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.		
[X] §110(d) Site Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).		
[X] §110(d)1 Manufactured Doors and Windows installed shall have air infiltration rates not exceeding those shown in Table Number 1-C of the Standards. Manufactured fenestration products must be labeled for U-value according to NFRC procedures.		
[ ] §110(d) Garden Walls in Nonresidential Buildings. The opaque portions of framed demising walls in nonresidential buildings shall have insulation with an installed R-value of six inches thick R-13 between framing members.		

LIGHTING MANDATORY MEASURES — LTG-MM

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

DESCRIPTION	Designer	Enforcement
[X] §131(b) For every floor, all interior lighting systems shall be equipped with a separate automatic control to shut off the lighting. This automatic control shall meet the requirements of Section 119 and may be an occupancy sensor, automatic time switch, or other device capable of automatically shutting off the lighting.		
[X] §131(c)2 Override for Building Lighting Shut-off. The automatic building shut-off system is provided with a manual, accessible override switch in sight of the light. The area of override is not to exceed 5,000 square feet.		
[X] §110(h) Automatic Control Devices Certified: All automatic control devices specified are certified, all alternate equipment shall be certified and installed as directed by the manufacturer.		
[X] §111 Fluorescent Ballast and Luminaire Certified: All fluorescent fixtures specified for the project are certified and listed in the Directory. All installed fixtures shall be certified.		
[X] §132 Tandem Wiring for One and Three Lamp Fluorescent Fixtures: All one and three lamp fluorescent fixtures are tandem wired with two lamp ballasts where required by Standards Section 132; or all one and three lamp fluorescent fixtures are specified with electronic high-frequency ballasts and are exempt from tandem wiring requirements.		
[X] §131(b) Individual Restroom Controls: Each room and area in the building is equipped with a separate switch or occupancy sensor device for each area with floor-to-ceiling walls.		
[X] §131(b) Uniform Illumination for Individual Rooms: All rooms and areas greater than 100 square feet and more than 2.5 watts per square foot of lighting load shall be controlled with bi-level switching for uniform reduction of lighting within the room.		
[X] §131(c) Daylight Area Control: All rooms with windows and skylights that are greater than 250 square feet and that allow for the effective use of daylight in the area shall have 70% of the lamps in each daylit area controlled by a separate switch; or the effective use of daylight cannot be accomplished because the windows are continuously shaded by a building on the adjacent lot. Diagram of shading during different times of the year is included on plans.		
[ ] §131(d) Display Lighting. Display lighting shall be separately switched on circuits that are 20 amps or less.		

EnergyPro 4.2 by EnergySoft — User Number: 5491 — Job Number: 115.050 — Page 28 of 30

MECHANICAL MANDATORY MEASURES — Part 1 of 2 — MECH-MM

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

DESCRIPTION	Designer	Enforcement
Equipment and Systems Efficiencies		
[X] §111 Any appliance for which there is a California standard established in the Appliance Efficiency Regulations will comply with the applicable standard.		
[ ] §115(c) Fan type central furnaces shall not have a pilot light.		
[X] §123 Piping, except that conveying fluids at temperatures between 55 and 105 degrees Fahrenheit, or within HVAC equipment, shall be insulated in accordance with Standards Section 123.		
[X] §124 Air handling duct systems shall be installed and insulated in compliance with Sections 601, 602, 603, 604, and 605 of the 2001 UMC Standards.		
Controls		
§ 122(a) Each space conditioning system shall be installed with one of the following:		
[X] §122(a)3A Each space conditioning system serving building types such as offices and manufacturing facilities (and all others not explicitly exempt from the requirements of Section 122 (d)) shall be installed with an automatic time switch which has an accessible manual override that allows operation of the system during off hours for up to 4 hours. The time switch shall be capable of programming different schedules for weekdays and weekends and have program backup capabilities that prevent the loss of the device's program and time setting for at least 10 hours if power is interrupted; or		
[ ] §122(a)3B An occupancy sensor to control the operating period of the system; or		
[ ] §122(a)3C A 4 hour timer that can be manually operated to control the operating period of the system.		
[X] §122(c)2 Each space conditioning system shall be installed with controls that temporarily restart and temporarily operate the system as required to maintain a setback heating and/or a setup cooling thermostat setpoint.		
[ ] §122(g) Each space conditioning system serving multiple zones with a combined conditioned floor area more than 25,000 square feet shall be provided with isolation zones. Each zone shall not exceed 25,000 square feet; shall be provided with isolation devices, such as valves or dampers, that allow the supply of heating or cooling to be setback or shut off independently of other isolation areas; and shall be controlled by a time control device as described above.		
[X] §122(e)3A Each space conditioning system shall be controlled by an individual thermostat that responds to temperature within the zone. Where used to control heating, the control shall be adjustable down to 55 degrees F or lower. For cooling, the control shall be adjustable up to 85 degrees F or higher. Where used for both heating and cooling, the control shall be capable of providing a deadband of at least 5 degrees F within which the supply of heating and cooling is shut off or reduced to a minimum.		
[X] §122(c) Thermostats shall have numeric setpoints in degrees Fahrenheit (F) and adjustable setpoint slope accessible only to authorized personnel.		
[ ] §123(b) Hot pumps shall be installed with controls to prevent electric resistance supplementary heater operation when the heating load can be met by the heat pump alone.		

EnergyPro By EnergySoft — User Number: User — Job Number: 115.050 — Page 29 of 30

MECHANICAL MANDATORY MEASURES — Part 2 of 2 — MECH-MM

PROJECT NAME: San Elijo Student Center, Mira Costa College — DATE: 9/25/2006

Description	Designer	Enforcement
Ventilation		
[X] § 121(a) Controls shall be provided to allow outside air dampers to declose to be operated at the ventilation rates as specified on these plans.		
[X] § 122(b) Outside air intakes (intentional and inadvertent) for each system shall be provided on the outside air intakes and discharge of all space conditioning and exhaust systems.		
[X] § 122(d) All gravity ventilating systems shall be provided with automatic or readily accessible manually operated dampers in all openings to the outside, except for combustion air openings.		
[ ] § 121(c)1 Air Balancing: The system shall be balanced in accordance with the National Environmental Balancing Bureau (NEBB) Procedural Standards (1983), or Associated Air Balance Council (AABC) National Standards (1989); or		
[X] § 121(c)2 Outside Air Certification: The system shall provide the minimum outside air as shown on the mechanical drawings, and shall be measured and certified by the installing licensed C-20 mechanical contractor and certified by (1) the design mechanical engineer, (2) the installing licensed C-20 mechanical contractor, or (3) the person with overall responsibility for the design of the ventilation system; or		
[ ] § 121(c)3 Outside Air Measurement: The system shall be equipped with a calibrated local or remote device capable of measuring the quantity of outside air as a continuous basis and displaying that quantity on a readily accessible display device; or		
[ ] § 121(c)4 Another method approved by the Commission.		
Service Water Heating Systems		
[X] § 113(c) If a circulating hot water system is installed, it shall have a control capable of automatically turning off the circulating pump(s) when hot water is not required.		
[X] § 113(c) Lavatories in restrooms of public facilities shall be equipped with controls to limit the outlet temperature to 110 degrees F.		

EnergyPro By EnergySoft — User Number: User — Job Number: 115.050 — Page 30 of 30

tBP architecture planning interiors management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

GLP #115.050

GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Gerry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

consultant

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES

04-107979

Kc — DATE: SEP 27 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, CA 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center MiraCosta College

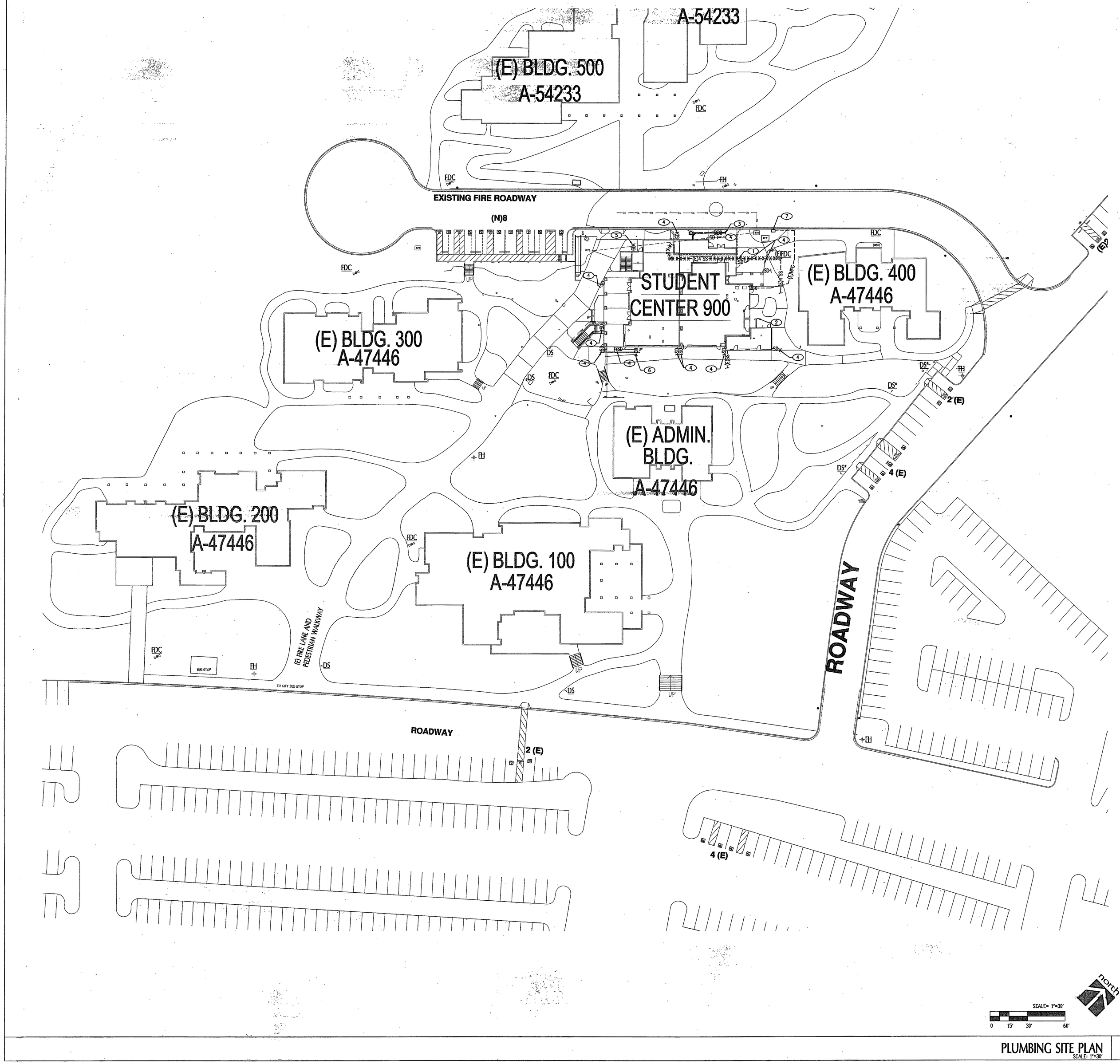
MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048410
file name: DAS-00.dwg
drawn by: LS checked by: AJ
date: 09/19/06
Rev. date: description:

drawing title: MECHANICAL TITLE 24
building no:
drawing no: M4-2
drawing 87 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007 REFERENCE DOCUMENTS ONLY.



PLAN NOTES

1.- EXISTING 4" SANITARY SEWER LINE TO BE REMOVED AND CAPPED BEL. GRADE AS INDICATED. PATCH GRADE TO MATCH EXISTING.

2.- 2"CW, SEE CIVIL SITE PLAN FOR CONTINUATION.

3.- 4"WASTE, SEE CIVIL SITE PLAN FOR CONTINUATION.

4.- 3"SD, SEE CIVIL SITE PLAN FOR CONTINUATION.

5.- 4"SD, SEE CIVIL SITE PLAN FOR CONTINUATION.

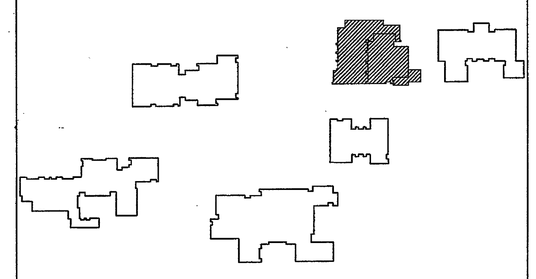
6.- DRYWELL SERVING MECHANICAL UNIT IN FIRST FLOOR. LOCATE IN LANDSCAPE AREA.

7.- EXISTING GAS METER GAS COMPANY SHALL ADJUST FLOW FOR 879 CFH.

SCALE= 1"=30'
0 15' 30' 60'

PLUMBING SITE PLAN
SCALE: 1"=30' | 1

KEY PLAN



tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

GLP #115-050
GLP Engineering, Inc.
Mechanical and Plumbing Engineers
1751 E. Garry Ave.
Santa Ana, Ca. 92705
Telephone 949-428-8800
Fax 949-428-8805

consultant

IDENTIFICATION STAMP
ONLY OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC. ___ INT. ___ ES ___ PL ___
DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048.10
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 09/11/06

Rev:	date:	description:

drawing title: PLUMBING SITE PLAN
building no:

drawing no: PS-0
drawing 83 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

PLUMBING ABBREVIATIONS AND SYMBOLS LISTS

PLUMBING ABBREVIATIONS

ABV	ABOVE	L	LONG
ABV CLG	ABOVE CEILING	LAV	LAVATORY
AC	AIR CONDITIONING	LBS	POUNDS
ACV	AUTOMATIC CONTROL VALVE	LF	LINEAR FEET
AD	ACCESS DOOR		
AFF	ABOVE FINISHED FLOOR	MBH	THOUSAND BTU PER HOUR
AP	ACCESS PANEL	MH	MANHOLE
ARCH	ARCHITECTURAL	MIN	MINIMUM
@	AT	MPG	GAS-MEDIUM PRESSURE
BC	BALANCING COCK	NC	NORMALLY CLOSED
BEL	BELOW	NIC	NOT IN CONTRACT
BFP	BACKFLOW PREVENTOR	NO	NORMALLY OPEN
BLV	BALL VALVE	NO.	NUMBER
BR	BRANCH		
BV	BALANCING VALVE	NTS	NOT TO SCALE
CD	CONDENSATE	OD	OVERFLOW DRAIN
CFH	CUBIC FEET PER HOUR	ODIA	OUTSIDE DIAMETER
CFM	CUBIC FEET PER MINUTE	OPWT	OPERATING WEIGHT
CI	CAST IRON		
℄	CENTERLINE	PG	PRESSURE GAUGE
CLG	CEILING	PH	PHASE (ELECTRICAL)
CO	CLEANOUT	℄	PROPERTY LINE
CONC	CONCRETE	POC	POINT OF CONNECTION
CONN	CONNECT OR CONNECTION	POD	POINT OF DISCONNECTION
CONT	CONTINUE OR CONTINUATION	PPM	PARTS PER MILLION
COTG	CLEANOUT TO GRADE	PRESS	PRESSURE
CW	COLD WATER	PRV	PRESSURE REDUCING VALVE
CV	CHECK VALVE	PS	PRESSURE SWITCH
		PSI	POUNDS PER SQUARE INCH
		PSIA	PSI GAUGE
DF	DRINKING FOUNTAIN	PT	PLUGGED TEE
DIA	DIAMETER	PTRV	PRESSURE/TEMPERATURE RELIEF VALVE
DN	DOWN	PW	PLUGGED WYE
DR	DRAIN		
DS	DOWNSPOUT	RD	ROOF DRAIN
DWG	DRAWING	REQ'D	REQUIRED
		RHB	RECESSED HOSE BIBB
		R&C	ROUGH-IN AND CONNECT
E	EXISTING PIPE	RP	REDUCED PRESSURE
EF	EXHAUST FAN	RPM	REVOLUTIONS PER MINUTE
EL	ELEVATION	RV	RELIEF VALVE
ELEC	ELECTRICAL		
EXIST	EXISTING	S	SINK
		SD	STORM DRAIN
		SHT	SHEET
°F	DEGREES FAHRENHEIT	SOV	SHUT OFF VALVE
FCO	FLOOR CLEANOUT	SPEC	SPECIFICATION
FCU	FAN COIL UNIT	SQFT	SQUARE FEET
FD	FLOOR DRAIN	SS	SERVICE SINK
FIN	FINISHED	ST	STORAGE TANK
FLA	FULL LOAD AMPERAGE	STL	STEEL
FLR	FLOOR	STR	STRAINER
FPM	FEET PER MINUTE		
FPS	FEET PER SECOND	TEMP	TEMPERATURE
FR	FROM	TH	THERMOMETER
FS	FLOOR SINK	TP	TRAP PRIMER
FT	FEET	TYP	TYPICAL
FTR	FLUE THRU ROOF		
FU	FIXTURE UNITS	TU	TERMINAL
		UL	UNDERWRITERS LABORATORY
		UN	UNION
G	GAS-LOW PRESSURE	UOS	UNDER OTHER SECTION
GA	GAUGE	UTR	UP THRU ROOF
GAL	GALLON		
GALV	GALVANIZED		
GC	GAS COCK	V	VENT
GPH	GALLONS PER HOUR	VB	VACUUM BREAKER
GPM	GALLONS PER MINUTE	VBF	VENT BELOW FLOOR
GPR	GAS PRESSURE REGULATOR	VTR	VENT THRU ROOF
GR	GRADE		
GV	GATE VALVE	W	WIDE OR WASTE
		W/	WITH
H	HIGH	WH	WATER HEATER
HB	HOSE BIBB	WHA	WATER HAMMER ARRESTER
HDR	HEADER	W/O	WITHOUT
HP	HORSEPOWER	WTR	WATER
HTG	HEATING	WCO	WALL CLEANOUT
HTR	HEATER	WC	WATER CLOSET
HW	HOT WATER	WT	WEIGHT
HWR	HOT WATER RETURN		
		YB	YARDBOX
ID	INSIDE DIAMETER		
IPS	IRON PIPE SIZE		
IE	INVERT ELEVATION		
KW	KILOWATT		

1. SYMBOLS AND ABBREVIATIONS ARE SHOWN FOR REFERENCE; NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED.
2. ALL NOTES ON THIS SHEET REMAIN PART OF THE CONTRACT DOCUMENTS.

PLUMBING SYMBOLS

PIPING BRANCH	SANITARY WASTE ABOVE GRADE
PIPE DROP	SANITARY WASTE BELOW GRADE
PIPE RISE	SANITARY VENT ABOVE GRADE
RISER OR DROP	SANITARY VENT BELOW GRADE
BRANCH – TOP CONNECTION	STORM DRAIN ABOVE GRADE
BRANCH – BOTTOM CONNECTION	STORM DRAIN BELOW GRADE
UNION (SCREWED)	OVERFLOW DRAIN
FLANGED CONNECTION	INDIRECT DRAIN
VALVE IN RISER	CONDENSATE DRAIN
	DOMESTIC COLD WATER ABOVE GRADE
PRESSURE – TEMPERATURE RELIEF VALVE	DOMESTIC COLD WATER BELOW GRADE
GAS COCK	EXISTING DOMESTIC COLD WATER
	DOMESTIC HOT WATER ABOVE GRADE
WATER HAMMER ARRESTER	DOMESTIC HOT WATER BELOW GRADE
TRAP PRIMER	GAS – LOW PRESSURE
CHECK VALVE, SWING OR LIFT	EXISTING GAS – LOW PRESSURE
SLOPE – IN DIRECTION OF ARROW	GAS – MEDIUM PRESSURE
FLOW – IN DIRECTION OF ARROW	EXISTING MEDIUM PRESSURE GAS
FLEXIBLE PIPE CONNECTION	EXISTING PIPING TO BE REMOVED
GAS PRESSURE REGULATOR	
FLOOR CLEANOUT OR CLEANOUT TO GRADE	
CLEANOUT IN YARDBOX – TRAFFIC WEIGHT	
WALL CLEANOUT	
HOSE BIBB WITH VACUUM BREAKER	
EXISTING WASTE	

GENERAL NOTES

1. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
2. FOR BUILDING LOCATIONS, FINISH FLOOR, AND GRADE ELEVATIONS, SEE ARCHITECTURAL AND CIVIL DRAWINGS.
3. FOR PIPING RUNNING THROUGH AND PARALLEL TO FOOTING, SEE STRUCTURAL DRAWINGS.
4. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING, PRIOR TO START OF ANY TRENCHING, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
5. FOR SERVICE CONNECTIONS TO INDIVIDUAL FIXTURES REFER TO SPECIFICATIONS.
6. ALL HOSE BIBBS SHALL BE INSTALLED 18" ABOVE FINISH FLOOR OR GRADE, UNLESS OTHERWISE NOTED.
7. FOR EXACT LOCATION OF ROOF DRAINS, SEE ARCHITECTURAL DRAWINGS.
8. ALL PLUGGED TEES AND PLUGGED WYES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
9. ALL PLUMBING FIXTURE VENTS TO TERMINATE A MIN. OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM, OR 3 FEET ABOVE, ANY OUTSIDE AIR INTAKES.
10. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING ACCESS PANELS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND THE ELECTRICAL LIGHTING LAYOUT.
11. EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS
12. THE PLUMBING CONTRACTOR SHALL PROVIDE THE STORM DRAIN SYSTEM TO A POINT OF CONNECTION 5'-0" OUTSIDE OF BUILDING AND SHALL MEET THE INVERT ELEVATION SHOWN ON THE (ARCHITECTURAL) DRAWINGS. PIPING BEYOND THIS POINT IS SPECIFIED UNDER ANOTHER SECTION OF THE SPECIFICATION AND SHALL BE AS SHOWN ON THE (ARCHITECTURAL) DRAWINGS.
13. CONNECTION BETWEEN INCOMPATIBLE MATERIALS OUTSIDE AND INSIDE BUILDING SHALL BE MADE WITH TWO (2) DIELECTRIC UNIONS SEPARATED BY A 12" SECTION OF RED BRASS PIPE.
14. ALL CUTTING OF EXISTING PAVINGS, WALKS AND/OR FLOORS SHALL BE BY MACHINE SAW CUTTING. HOLES FOR PIPING IN CONCRETE WALLS OR FLOORS SHALL BE DONE BY CORE DRILLING EQUIPMENT.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL PAVED AREAS WHICH ARE EXCAVATED AND/OR DAMAGED BY HIS OPERATIONS.
16. ALL CONNECTIONS TO EXISTING SERVICES SHALL BE MADE SUCH THAT INTERRUPTION TIME WILL BE AS SHORT AS POSSIBLE. THE CONTRACTOR SHALL GIVE THE OWNER'S REPRESENTATIVE SUFFICIENT NOTICE OF SUCH INTERRUPTION AND THE ACTUAL SHUT-DOWN TIME SHALL BE AT A TIME DESIGNATED BY THE OWNER'S REPRESENTATIVE.
17. COORDINATE LOCATION OF GAS & CONDENSATE CONNECTIONS ON MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
18. FOR CONTINUATION OF STORM DRAINS OUTSIDE OF BUILDING, SEE CIVIL DRAWING SHEET C-2.
19. ALL SHUT-OFF VALVES, OUTSIDE THE BUILDINGS, SHALL BE IN CONCRETE YARD BOXES WITH THE NAME OF THE SERVICE CONSPICUOUSLY CAST IN THE COVER.
20. DURING THE PROGRESS OF WORK THE PLUMBING CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF ALL CHANGES MADE IN THE PLUMBING SYSTEMS. THE RECORD DRAWING SHALL SHOW CHANGES IN MANUFACTURER (WITH NUMBERS AND TRADE NAMES), MATERIALS, SIZES, LOCATIONS AND HOOK-UP POINTS. AS-BUILTS SHALL BE GIVEN TO THE OWNER'S CONSTRUCTION MANAGER AT COMPLETION OF JOB.
21. INSTALL ALL PLUMBING TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING. NO WATER OR DRAIN PIPING PERMITTED OVER OR UNDER ELECTRICAL PANELS.
22. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL CODES, RULES AND REGULATIONS GOVERNING THIS PROJECT AS SET FORTH BY THE LOCAL ADMINISTRATIVE AUTHORITY.
23. SEE ARCHITECTURAL DRAWINGS FOR ACCESSIBLE FIXTURE LOCATIONS AND MOUNTING HEIGHTS. (INSULATE ALL EXPOSED HOT WATER AND DRAIN PIPING BELOW ACCESSIBLE LAVATORIES AND SINKS WITH PERFORMED INSULATED FITTING COVERS (TRUEBRO OR EQUAL) WITH A MAX. FLAME SPREAD RATING OF 25, MAX. SMOKE RATING OF 50 PER ASTM E-84) AND OFFSET P-TRAP AGAINST WALL. ALSO, ALL FLUSH VALVES SHALL BE TO WIDE SIDE OF STALL.
24. ALL CONDENSATE PIPING IN ATTIC SPACES SHALL BE INSULATED WITH 3/4" MICRO-LOK INSULATION WITH A MAX. FLAME SPREAD RATING OF 25, MAX. SMOKE RATING OF 50 PER ASTM E-84 ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE.
25. ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC., AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
26. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
27. UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SCREW-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
28. BEFORE FABRICATION OR INSTALLATION THIS CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND EQUIPMENT PROVIDED UNDER ANOTHER SECTION OF SPECIFICATIONS. EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN FIELD.
29. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS FOR ALL POINTS OF CONNECTION WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO BID.
30. ALL WASTE AND VENT PIPING SHALL SLOPE AT 2% MIN. UNLESS OTHERWISE INDICATED.
31. ALL VALVES, TRAP PRIMER, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
32. ALL LAVATORIES TO BE EQUIPPED WITH PRESSURE COMPENSATING FLOW CONTROL DEVICES RESTRICTING THE FLOW TO 0.5 GPM., FAUCET CONTROLS SHALL REQUIRE NO MORE THAN 5 LBS/FORCE TO OPERATE.
33. WATER OR SOIL PIPE BELOW GRADE OUTSIDE SHALL HAVE MINIMUM COVER AS RECOMMENDED BY LOCAL AUTHORITIES.
34. BEFORE ANY USE OF WATER SYSTEM IS MADE FOR DOMESTIC PURPOSES, IT SHALL BE STERILIZED BY SLOWLY FILLING THE SYSTEM WITH A WATER- CHLORINE SOLUTION CONTAINING AT LEAST FIFTY (50) PPM OF CHLORINE, AND THE SYSTEM OR PART THEREOF SHALL BE VALVED OFF AND ALLOWED TO STAND FOR TWENTY FOUR (24) HOURS; OR, THE SYSTEM OR PART THEREOF SHALL BE FILLED WITH A WATER-CHLORINE SOLUTION CONTAINING AT LEAST TWO HUNDRED (200) PPM OF CHLORINE AND ALLOWED TO STAND FOR THREE (3) HOURS. FOLLOWING THE ALLOWED STANDING TIME, THE SYSTEM SHALL BE FLUSH WITH CLEAN POTABLE WATER UNTIL THE CHLORINE RESIDUAL IN THE WATER COMING FROM THE SYSTEM DOES NOT EXCEED THE CHLORINE RESIDUAL IN THE FLUSHING WATER. THIS PROCEDURE OF FLUSHING THE SYSTEM SHALL BE REPEATED IF IT IS SHOWN BY BACTERIOLOGICAL EXAMINATION MADE BY AN APPROVED AGENCY THAT CONTAMINATION PERSIST IN THE SYSTEM. P-0.1 P-0.2 P-0.3 P-1.1
35. CONTRACTOR SHALL MODIFY THE EXISTING AUTOMATIC FIRE SPRINKLER SYSTEM TO PROVIDE COMPLETE COVERAGE OF THE RENOVATED AND ADDED AREAS. THE MODIFIED SYSTEM SHALL COMPY WITH THE 1999 EDITION OF N.F.P.A.-13.
36. THE FIRE PROTECTION PLANS SHALL BE SUBMITTED AS DEFERRED APPROVAL AND SHALL INCLUDE THE "AS-BUILT" PLANS SHOWING THE ORIGINAL DSA APPROVAL.

SEISMIC RESTRAINT

ALL MECHANICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION ACCORDING TO 2001 CBC, SECTION 1632A USING Cp = 0.44 and Ip = 1.15.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF MECHANICAL/ELECTRICAL ENGINEER AND THE FIELD ENGINEER OF THE DIVISION OF THE STATE ARCHITECT.

DUCTWORK & PIPING RESTRAINT SHALL BE IN ACCORDANCE WITH "SMACNA" GUIDELINES FOR RESTRAINT OF MECHANICAL SYSTEMS, INCLUDING SUPPLEMENT DATED 2000 FOR SEISMIC LEVEL "AA".

SPECIAL NOTE

ALL PLUMBING DRAWINGS CONTAINED IN THIS SET SHALL DISPLAY THE DIVISION OF THE STATE ARCHITECT STAMP BEFORE THESE DRAWINGS CAN BE USED AS CONSTRUCTION DOCUMENTS.

COORDINATION

THESE DRAWINGS ARE DIAGRAMMATIC AND SHOW IN GENERAL WHERE THE PIPING AND OTHER WORK SPECIFIED IN THE 15000 SECTIONS OF THE SPECIFICATIONS IS TO BE LOCATED. THE DRAWINGS DO NOT NECESSARILY INDICATE ANY AND ALL OFFSETS AND CONFIGURATIONS REQUIRED FOR COORDINATION WITH THE SPACE REQUIREMENTS OF OTHER TRADES. THE CONTRACTOR IS RESPONSIBLE FOR THE CORRECT PLACING, LOCATION AND CONNECTION OF THIS WORK IN RELATION TO THE WORK OF OTHER TRADES.

THE CONTRACTOR, SHALL EXAMINE ALL MECHANICAL, ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND OTHER DRAWINGS THAT HAVE BEEN PREPARED FOR THIS PROJECT, AND ACCEPT SUCH CONDITIONS, AND MAKE ALLOWANCES FOR THEM IN PREPARING THE BID.

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

GLP Engineering, Inc.
1751 E. Gorry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04-110779
AC RS SS P/L
DATE SEP 2 9 2006

agency

San Elijo Student Center
MiraCosta College

MiraCosta College • San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048.10
file name: T15012e01.DWG
drawn by: checked by:
date: 04/19/06

Rev:	date:	description:

drawing title: PLUMBING SYMBOLS AND ABBREVIATIONS
building no:

drawing no: P0-1
drawing 89 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

PIPE MATERIAL SCHEDULE

AG: ABOVE GRADE
BG: BELOW GRADE

SERVICES		CI. NO-HUB	ABS PLASTIC SCH. 40	COPPER DWV	SCH. 40 BLACK STEEL	SCH. 40 GALV. STEEL	COPPER TYPE M	COPPER TYPE L	COPPER TYPE K	SCH. 40 PVC	POLYPROPYLENE	DUCTILE IRON	REMARKS
WATER	AG						•						
	BG							•					IAPMO IS 3-89
WASTE	AG	•											IAPMO IS 3-89
	BG	•											IAPMO IS 5-90
VENT	AG	•											IAPMO IS 5-90
	BG	•											
INDIRECT WASTE	AG					•							CONDENSATE DRAIN
	BG					•							CONDENSATE DRAIN
STORM DRAIN	INSIDE	•											
	OUTSIDE	•											

GREASE INTERCEPTOR CALCULATION

NUMBER OF MEALS PER PEAK HOUR	WASTE FLOW RATE	RETENTION TIME	STORAGE FACTOR	CAPACITY
84	6	2.5	1	1260 GALLONS

PLUMBING EQUIPMENT SCHEDULE

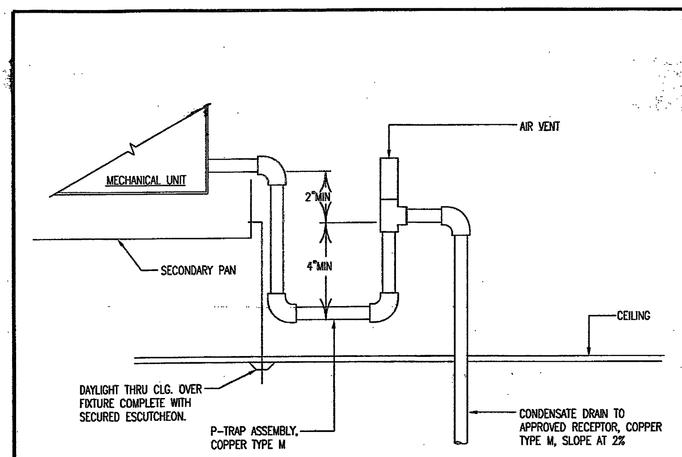
ITEM	FIXTURE	DESCRIPTION
GI 1	GREASE INTERCEPTOR	JENSEN PRECAST NO. JP1500EE-G, 1500 GALS. CAPACITY 5'-7"x10'-8"x6'-0" COMPLETE WITH SAMPLING BOX. DIRECT H-20 LOADING.
BFP 1	BACKFLOW PREVENTER	WATTS MODEL 909QT-S, REDUCED PRESSURE PRINCIPLE DEVISE COMPLETE WITH QUARTER TURN VALVES AND IN-LINE STRAINER.
GPR 1	GAS PRESURRE REGULATOR	EQUI-METER SERIES 143/243 COMPLETE WITH SHUT-OFF VALVE.

PLUMBING FIXTURE SCHEDULE

ITEM	FIXTURE	ROUGH-IN CONNECTIONS: COLD WATER	HOT WATER	WASTE	VENT	INDIRECT WASTE	DESCRIPTION
WC 1	WATER CLOSET (ACCESSIBLE)	1"	–	4"	2"	–	AMERICAN STANDARD NO. 2305.100 "MADERA" WHITE, ELONGATED TOILET, FLOOR MOUNTED, TOP SPUD COMPLETE WITH SLOAN ROYAL 111-EBV-89A (SMO), BATTERY OPERATED, 1.6 GPF WATER SAVING FLUSHOMETER VALVE WITH VACUUM BREAKER. OLSONITE 95 ELONGATED OPEN FRONT SEAT, BOLT CAPS, CAST IRON FLOOR FLANGE. TOP OF SEAT TO BE 17"-19" ABOVE FINISH FLOOR.
L 1	LAVATORY (ACCESSIBLE)	1/2"	1/2"	2"	1-1/2"	–	AMERICAN STANDARD "LUCERNE" 0355.012, WALL HUNG, 4" CENTERS. COMPLETE WITH SLOAN OPTIMA NO. EBF-650 BATTERY POWERED SENSOR OPERATED FAUCET, CHICAGO NO. 337 OFT-SET GRID STRAINER, CHROME PLATED 17GA L.A. PATTERN CAST BRASS P-TRAP WITH SECURED ESCUTCHEON. PROVIDE BRASSCRAFT "COMMERCIAL" STOPS AND SUPPLIES. PROVIDE "TRUE-BRO" PREFORMED P-TRAP AND SUPPLY COVERS. SET TOP OF LAV AT +34" MAX.
S 1	SINK (ACCESSIBLE)	1/2"	1/2"	2"	1-1/2"	–	JUST NO. SL-ADA-1617-AGR, 16"x17"x6-1/2" DEEP, SINGLE COMP. STAINLESS STEEL COUNTERTOP COMPLETE WITH CHICAGO NO. 50 FAUCET WITH LEVER HANDLES, J-ADA-35 STRAINER, BRASSCRAFT "COMMERCIAL" STOPS AND RIGID SUPPLIES, 17GA. L.A. PATTERN CAST BRASS P-TRAP WITH SECURED ESCUTCHEON. PROVIDE TRUEBRO PREFORMED FITTING COVERS.
DF 1	DRINKING FOUNTAIN (ACCESSIBLE)	1/2"	–	2"	1-1/2"	–	HAWS 1011HPSMS DUAL HEIGHT STAINLESS STEEL DRINKING FOUNTAIN, VANDAL RESISTANT BOTTOM PLATES, 1-1/4" O.D. WASTE ARMS. COMPLETE WITH CHICAGO STOPS AND RIGID SUPPLIES. SET ADA BUBBLER HEIGHT AT +36"A.F.F.
SS 1	SERVICE SINK	3/4"	3/4"	3"	2"	–	FIAT MSB 3624, FLOOR MOUNTED MOLDED-STONE COMPLETE WITH NO. 1453-BB STAINLESS STEEL STRAINER, CHICAGO NO. 897 WALL MOUNTED FAUCET WITH VACUUM BREAKER AND HOSE THREAD OUTLET. PROVIDE 5 FT. LONG BLACK RUBBER HOSE.
FD 1	FLOOR DRAIN	1/2"	–	2"	1-1/2"	–	J.R. SMITH 2005YA-P050, 5" DIA. NICKEL BRONZE STRAINER AND TRAP PRIMER CONNECTION.
FS 1	FLOOR SINK	–	–	3"	2"	–	J.R. SMITH 3100Y-12, 8-1/2" SQ. RECEPTOR WITH 1/2 GRATE, DOME BOTTOM STRAINER, AND J.R. SMITH NO. 2696T, TRAP PRIMER CONNECTION.
TP 1	TRAP PRIMER	1/2"	–	–	–	–	P.P.P. INC. "PRIME-RITE" TRAP PRIMER VALVE, INSTALL COMPLETE WITH SHUT-OFF VALVE AND ACCESS PANEL.
WHA 1	WATER HAMMER ARRESTOR	3/4"	–	–	–	–	P.P.P. INC. MODEL SC, COPPER BODY, SIZED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ACCESS PANEL.
WH 1	INSTANTANEOUS WATER HEATER	3/4"	–	–	–	–	CHRONOMITE INSTANT-FLOW MODEL SR-30, 1.0 GPM FLOW RATE, 30 AMP, 8320 WATTS, 277V-1ø-60Hz.
WH 2	WATER HEATER	1-1/2"	1-1/2"	–	–	–	A.O. SMITH MODEL NO. BTN-154, 154,000 BTUH INPUT, 81 GAL. STORAGE, 187 GPH RECOVERY AT 80°F TEMP RISE. 6" DIA. FLUE, T&P RELIEF VALVE, LOW NOX UNIT. APPROXIMATE OPERATING WEIGHT = 1150 LBS, 5.0 AMPS, 120V-1ø-60Hz.
CP 1	CIRCULATING PUMP	–	3/4"	–	–	–	BELL & GOSSETT SERIES 100, 3/4", INLINE TYPE, ALL BRONZE 5 GPM @ 8 FEET HEAD, 1/12 HP, 115-1ø, 1750 RPM. APPROX. OPER. WT. = 21 LBS.
ET 1	EXPANSION TANK	3/4"	–	–	–	–	WATTS NO. DET-12-M1 EXPANSION TANK. APPROX. OPER. WT. = 48 LBS.
VM 1	VENDING MACHINE WATER SUPPLY	1/2"	–	–	–	–	WATER-TITE MODEL NO. BM875, GALVANIZED BOX.
IM 1	ICE-MAKER BOX	1/2"	–	–	–	–	WATER-TITE. ICE MAKER BOX. NO. 9700 CHROME 1/4 TURN ADAPTER BALL VALVE, 1/2" SWEAT CONNECTION.
RD 1	ROOF DRAIN	SEE PLANS FOR SIZES					J.R. SMITH 1330Y-RC-CID, 8-1/2" DIA., COMPLETE WITH SUMP RECIEVER, UNDERDECK CLAMP AND CAST IRON DOME.
OD 1	OVERFLOW DRAIN	SEE PLANS FOR SIZES					J.R. SMITH 1330Y-RC-WDW2-CID, 8-1/2" DIA., COMPLETE WITH SUMP RECEIVER, UNDERDECK CLAMP, 2" HIGH WATER DAM AND CAST IRON DOME.
HB 1	HOSE BIBB (EXTERIOR)	3/4"	–	–	–	–	ACORN 8151 RECESSED STAINLESS STEEL HOSE BOX WITH VACUUM BREAKER.

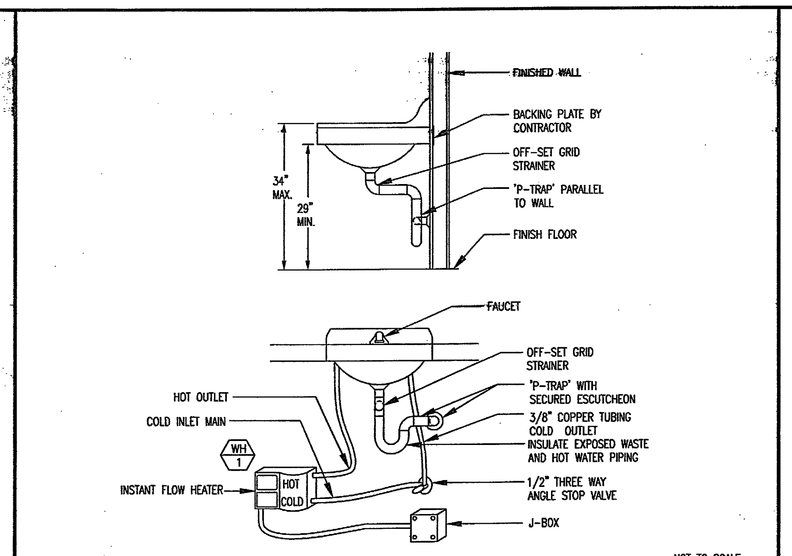
NOTE:
1.- THE ABOVE ITEMS SHALL BE PROVIDED AND INSTALLED IN FULL ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2.- COORDINATE LOCATION AND ARRANGEMENT OF ACCESSIBLE FIXTURES WITH THE ARCHITECTURAL PLANS AND ELEVATIONS.

Bulletin #15 & RFI #85 - Bathroom Fixture Revisions



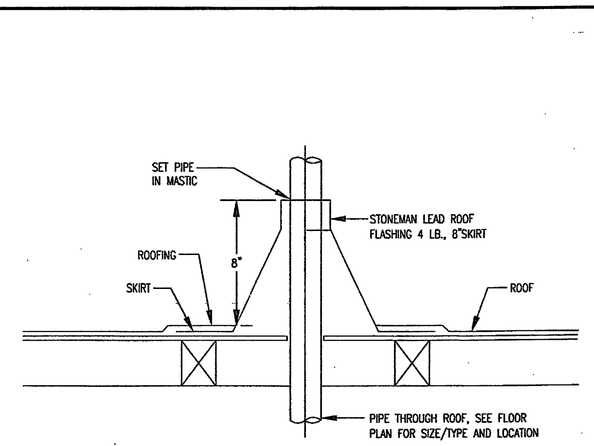
NOT TO SCALE

CONDENSATE DRAIN DETAIL 1



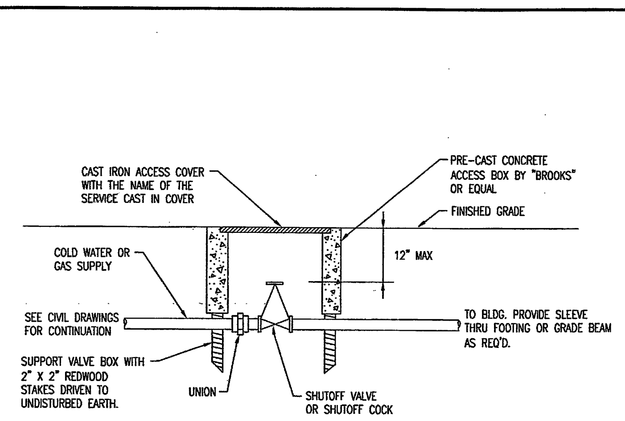
NOT TO SCALE

A.D.A. LAVATORY COMPLIANCE DETAIL 2



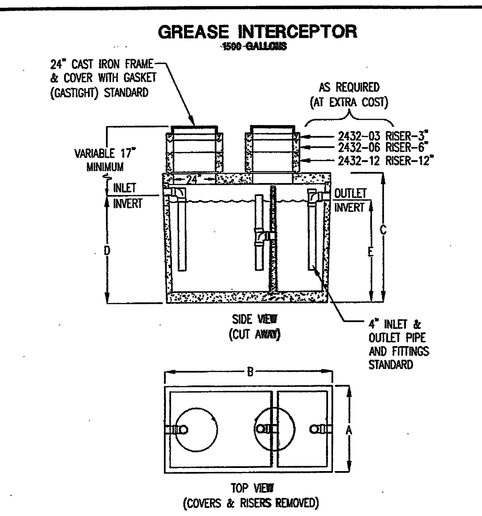
NOT TO SCALE

VENT THRU ROOF DETAIL 3



NOT TO SCALE

SHUT-OFF VALVE IN YARDBOX DETAIL 4

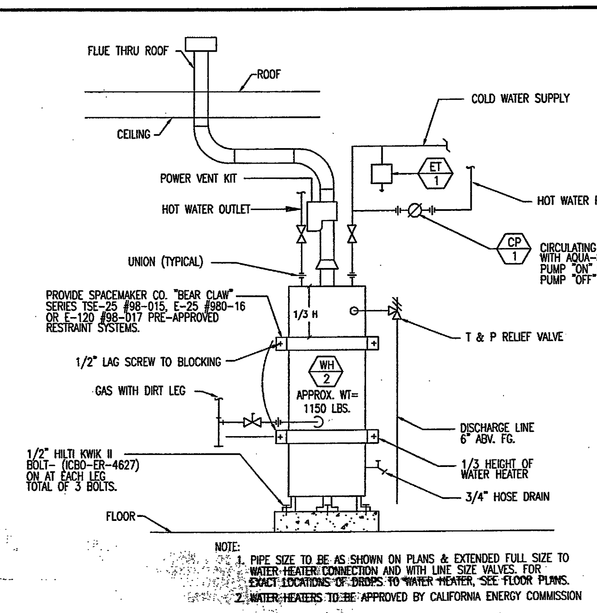


MODEL NUMBER	LIQUID CAPACITY GALLONS	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	DIMENSION E
JP1500EE-G	1500	5'-7"	10'-8"	6'-0"	5'-0"	4'-9"

BOX DESIGN LOAD: H-20 TRAFFIC. 1' TO 6' SOIL COVER.
FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST.

NOT TO SCALE

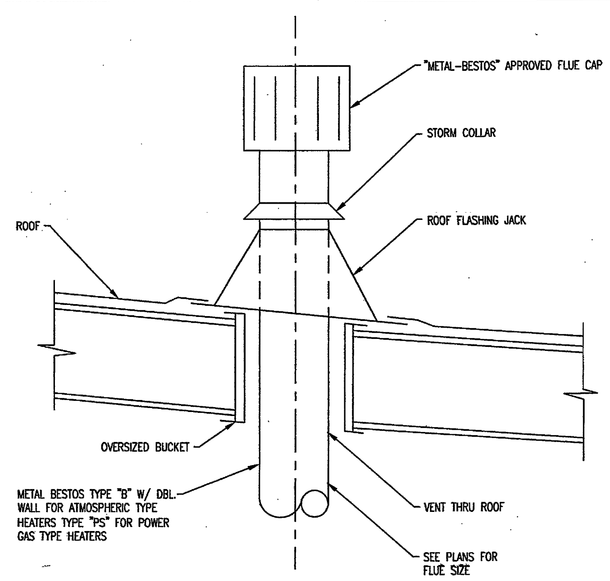
GREASE INTERCEPTOR DETAIL 5



NOTE:
1. PIPE SIZE TO BE AS SHOWN ON PLANS & EXTENDED FULL SIZE TO WATER HEATER CONNECTION AND WITH LINE SIZE VALVES. FOR EXACT LOCATIONS OF DRAINS TO WATER HEATER, SEE FLOOR PLANS.
2. WATER HEATERS TO BE APPROVED BY CALIFORNIA ENERGY COMMISSION

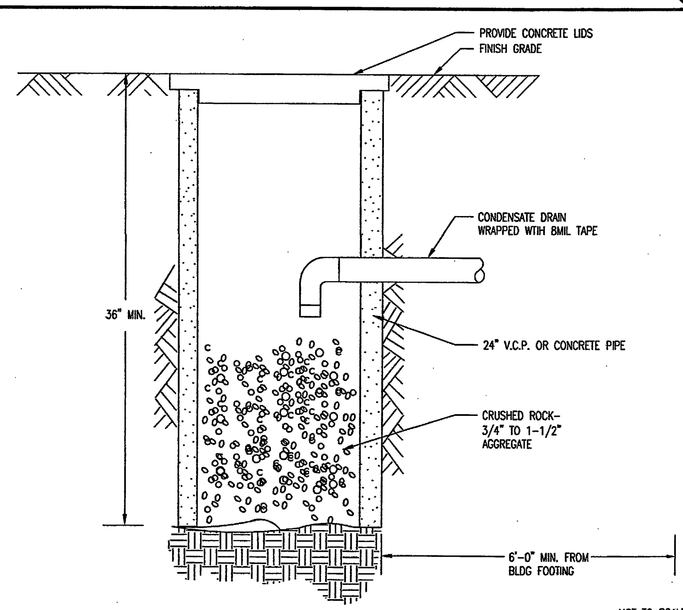
NOT TO SCALE

WATER HEATER DETAIL 6



NOT TO SCALE

FLUE THRU ROOF DETAIL 7



NOT TO SCALE

DRYWELL DETAIL 8

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Gorry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

DSA # 04-107979
AC ☐ RS ☐ SS ☐ DL ☐
DATE SEP 2 9 2006

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007

tBP project number : 2048.10
file name: 115012e01DWG
drawn by: checked by:
date: 04/11/06

Rev: date: description:

drawing title: PLUMBING SCHEDULES AND DETAILS
building no:

drawing no: P0-2
drawing 90 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

DEMOLITION KEYNOTES

1.– EXISTING PLUMBING FIXTURE AND OR EQUIPMENT TO REMAIN.

2.– EXISTING RECESSED HOSE BOX ASSEMBLY TO BE REMOVED AND RELOCATED. REMOVE WATER SUPPLY IN WALL AND CAP ABV. CLG.

3.– EXISTING COLD WATER SHUT-OFF VALVE IN YARDBOX TO REMAIN.

4.– EXISTING DRINKING FOUNTAIN TO BE REMOVED. CAP WASTE AND WATER SUPPLY IN WALL. PATCH WALL TO MATCH EXISTING.

5.– EXISTING SD AND OD PIPING TO REMAIN.

6.– EXISTING SD AND OD PIPING IN WALL TO BE REMOVED. MODIFY PIPING ABV. CLG. FOR RECONNECTION. CAP PIPING BEL. FLR. PATCH FLOOR TO MATCH EXISTING.

7.– EXISTING DRAIN ASSEMBLY TO BE REMOVED. CAP WASTE AND VENT BEL. FLR. PATCH FLOOR TO MATCH EXISTING.

8.– EXISTING POST INDICATOR VALVE (PIV) TO REMAIN.

9.– EXISTING FIRE DEPARTMENT CONNECTION (FDC) TO REMAIN.

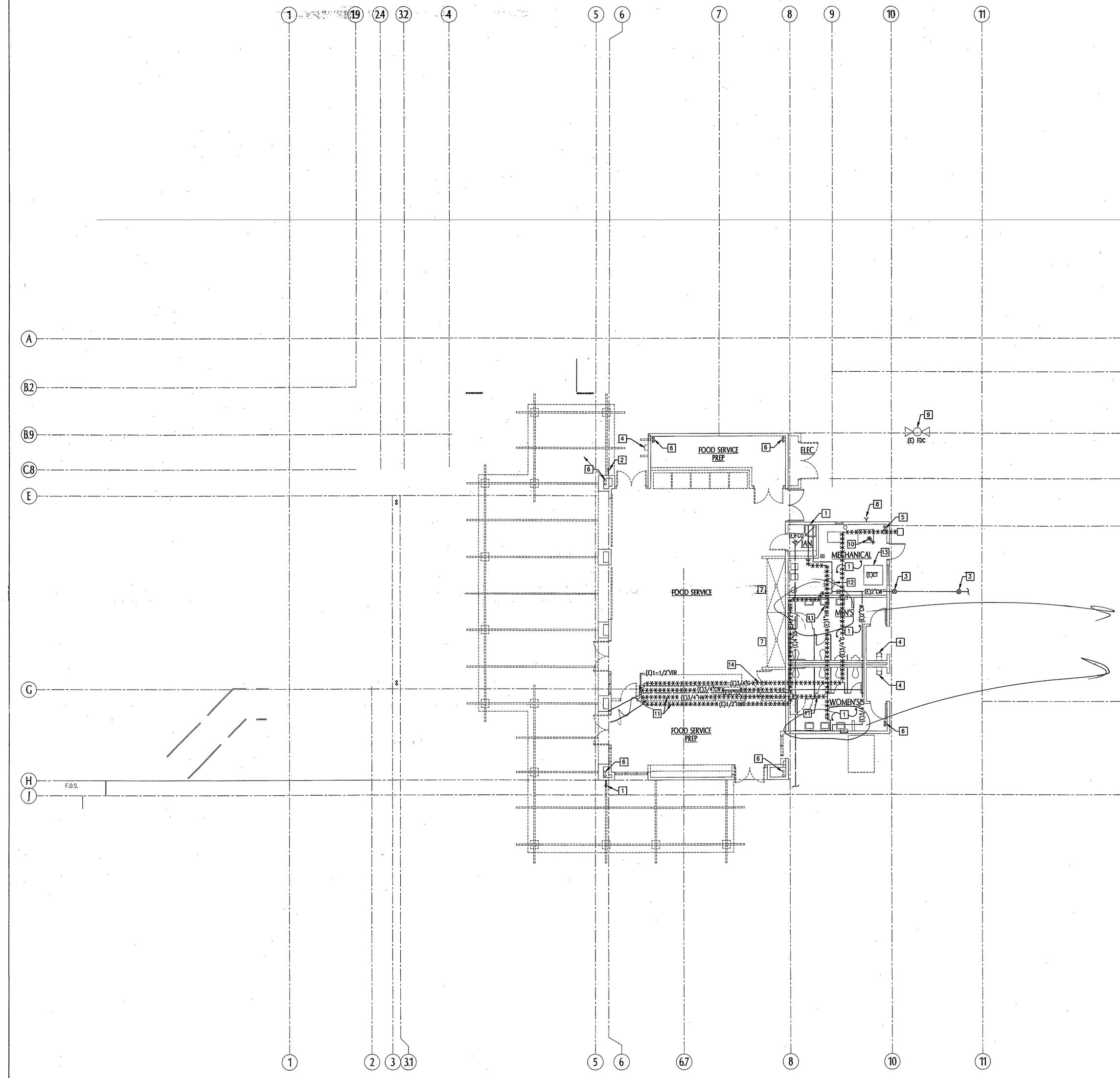
10.– EXISTING AUTOMATIC FIRE SPRINKLER RISER TO REMAIN.

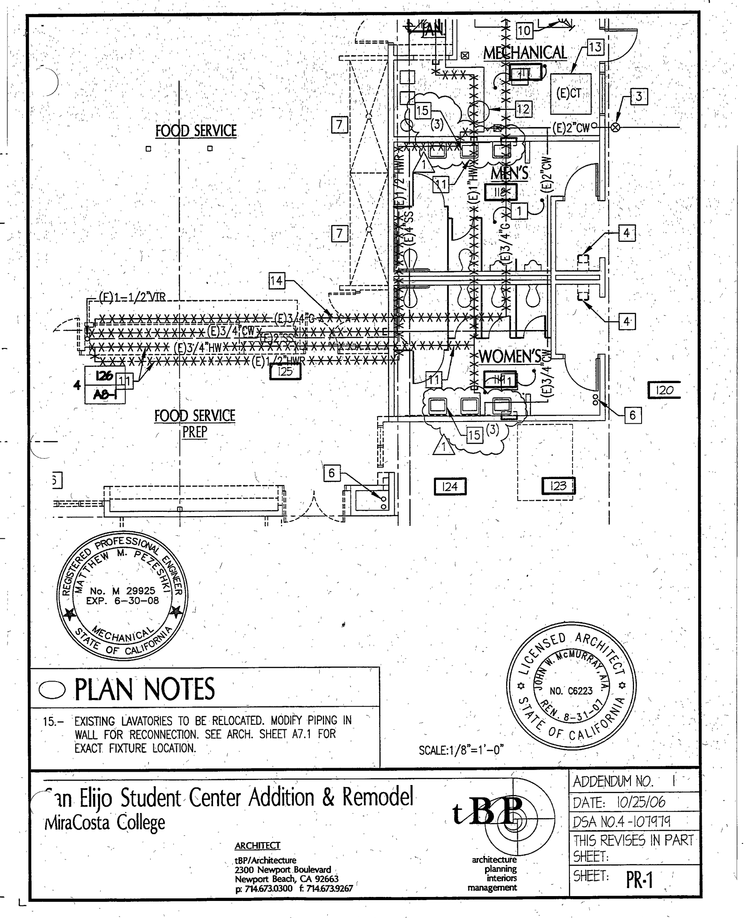
11.– EXISTING PIPING TO BE REMOVED AS INDICATED.

12.– EXISTING WATER HEATER TO BE REMOVED. MODIFY PIPING ABV. CLG. FOR RECONNECTION.

13.– EXISTING FIXTURE TO BE REMOVED. DISCONNECT GAS AND COLD WATER TO FIXTURE. MODIFY PIPING FOR RECONNECTION OF NEW FIXTURE.

14.– REMOVE EXISTING GAS PIPING IN ITS ENTIRTY TO EXTERIOR REGULATER SEE RENOVATION PLAN FOR NEW REGULATOR SPECIFICATION AND NEW PIPING LAYOUT.





PLAN NOTES

15.– EXISTING LAVATORIES TO BE RELOCATED. MODIFY PIPING IN WALL FOR RECONNECTION. SEE ARCH. SHEET A7.1 FOR EXACT FIXTURE LOCATION.

SCALE:1/8"=1'-0"

San Elijo Student Center Addition & Remodel
MiraCosta College

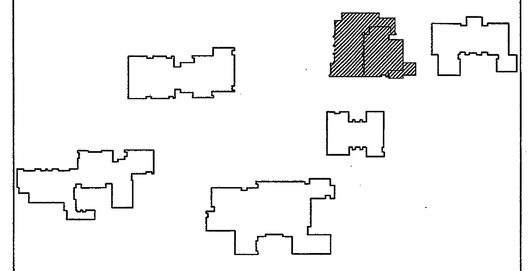
ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p 7946730300 f 7946733067

architecture planning interiors management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART	
SHEET:	
SHEET:	PR-1

Bulletin #15- All plumbing fixtures within the Men's and Women's toilet are to be removed with the exception of the floor drains per Sheet B15-9

KEY PLAN



FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8"=1'-0" | 1

north

0 4' 8' 16'

NORTH

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Carry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

consultant

DEPARTMENT OF GENERAL SERVICES
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC— RS 37 58 DV
DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College · San Elijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007

owner

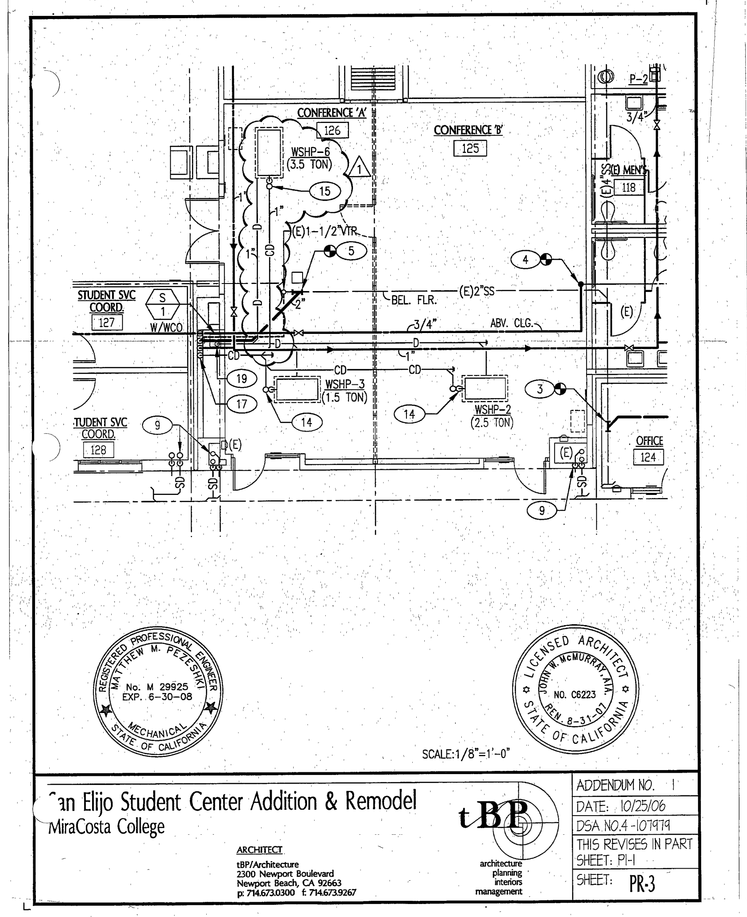
tBP project number : 2048.10
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 09/11/06

Rev.	date:	description:

drawing title: FIRST FLOOR DEMOLITON PLAN
building no:

drawing no: P1-0
drawing 91 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



REGISTERED PROFESSIONAL ENGINEER
MATTHEW M. PEZESHKI
No. M 29925
EXP. 6-30-08
MECHANICAL
STATE OF CALIFORNIA

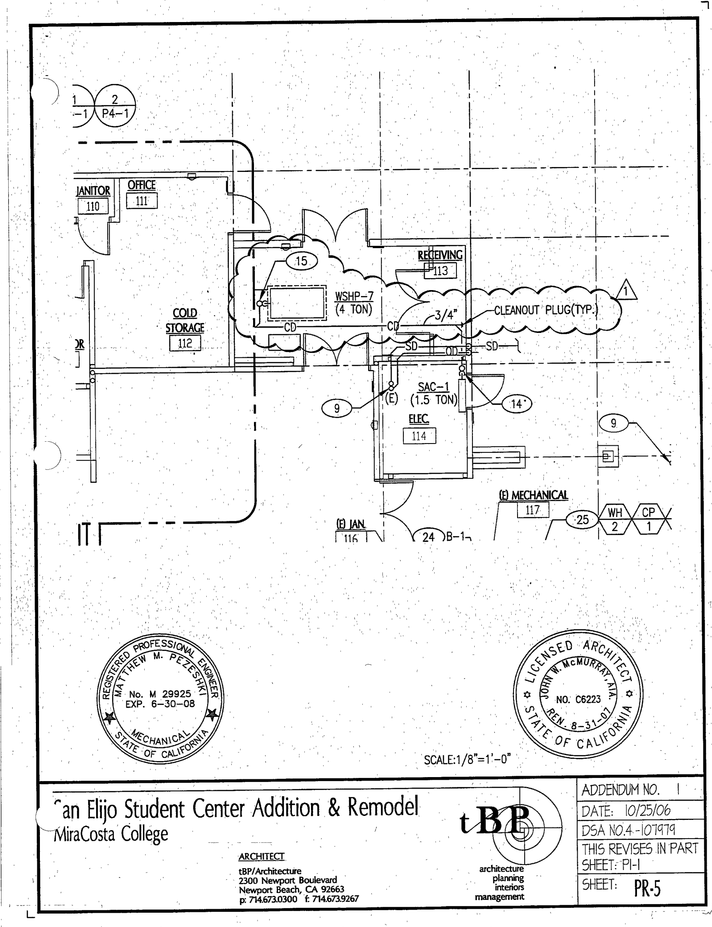
LICENSED ARCHITECT
JOHN W. McMURRAY JR.
NO. C6223
REN. 8-31-07
STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 714.673.0300 f: 714.673.0267

tBP
architecture
planning
interiors
management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4 -107479	
THIS REVISES IN PART	
SHEET:	P-1
SHEET:	PR-3



REGISTERED PROFESSIONAL ENGINEER
MATTHEW M. PEZESHKI
No. M 29925
EXP. 6-30-08
MECHANICAL
STATE OF CALIFORNIA

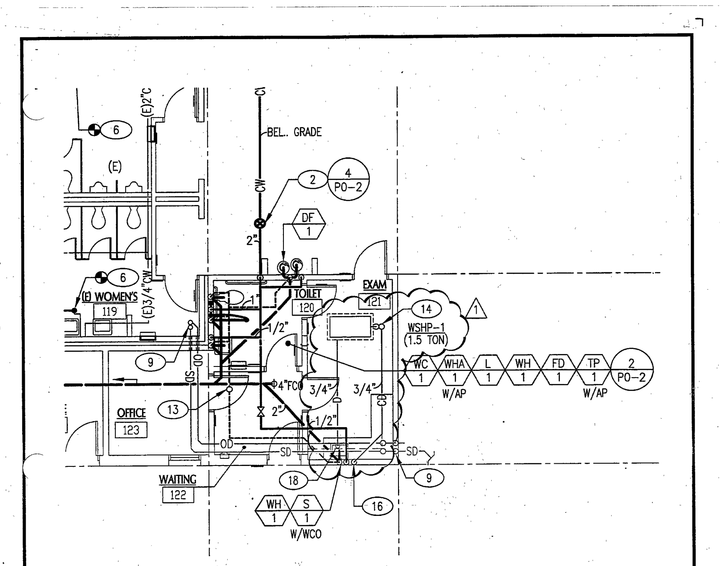
LICENSED ARCHITECT
JOHN W. McMURRAY JR.
NO. C6223
REN. 8-31-07
STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 714.673.0300 f: 714.673.0267

tBP
architecture
planning
interiors
management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4 -107479	
THIS REVISES IN PART	
SHEET:	P-1
SHEET:	PR-5



REGISTERED PROFESSIONAL ENGINEER
MATTHEW M. PEZESHKI
No. M 29925
EXP. 6-30-08
MECHANICAL
STATE OF CALIFORNIA

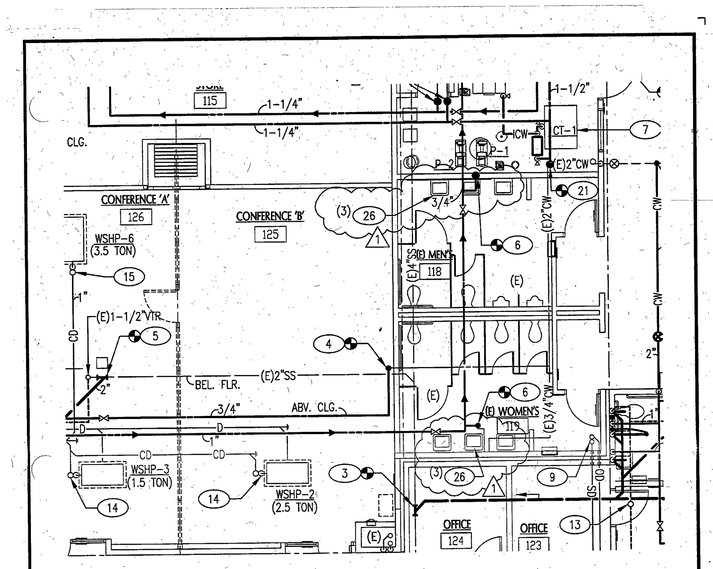
LICENSED ARCHITECT
JOHN W. McMURRAY JR.
NO. C6223
REN. 8-31-07
STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 714.673.0300 f: 714.673.0267

tBP
architecture
planning
interiors
management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4 -107479	
THIS REVISES IN PART	
SHEET:	P-1
SHEET:	PR-4



PLAN NOTES

26.– RECONNECT WASTE, VENT AND WATER SUPPLIES TO RELOCATED LAVATORIES. PROVIDE NEW CHICAGO 1006 STOPS AND SUPPLIES.

REGISTERED PROFESSIONAL ENGINEER
MATTHEW M. PEZESHKI
No. M 29925
EXP. 6-30-08
MECHANICAL
STATE OF CALIFORNIA

LICENSED ARCHITECT
JOHN W. McMURRAY JR.
NO. C6223
REN. 8-31-07
STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 714.673.0300 f: 714.673.9267

tBP
architecture
planning
interiors
management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4 -107479	
THIS REVISES IN PART	
SHEET:	
SHEET:	PR-6

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFEERENCE DOCUMENTS ONLY.

PLAN NOTES

1.– P.O.C.– 2"CW TO EXISTING PIPING BEL. GRADE. EXTEND SERVICE AS INDICATED. PATCH GRADE TO MATCH EXISTING.

2.– 2"CW SUPPLY COMPLETE WITH SHUT-OFF VALVE IN YARDBOX.

3.– P.O.C.– 4"WASTE TO EXISTING PIPING BEL. FLR. EXTEND SERVICE AS INDICATED. PATCH FLR. TO MATCH EXISTING.

4.– P.O.C.– 3/4"CW TO EXISTING PIPING ABV. CLG. EXTEND SERVICE AS INDICATED. PATCH CLG. TO MATCH EXISTING.

5.– P.O.C.– 2"WASTE AND 1-1/2"VENT EXISTING PIPING. EXTEND SERVICE AS INDICATED. PATCH CLG. AND FLR. TO MATCH EXISTING.

6.– P.O.C.– 3/4"HW & CW TO EXISTING PIPING ABV. CLG. PATCH CLG. TO MATCH EXISTING.

7.– PROVIDE 3/4"CW MAKE UP FOR CHILLER COMPLETE WITH SOV AND BACKFLOW PREVENTER.

8.– PROVIDE GAS PRESSURE REGULATOR COMPLETE WITH SHUT-OFF VALVE. PROVIDE "STRAND-ROSO" SEISMIC SHUT-OFF VALVE.

9.– 3"SD & OD UP TO ROOF AND DN IN WALL. SD DN TO BEL. GRADE(-12"MIN.). DAYLIGHT OD THRU WALL AT +6". FOR CONTINUATION SEE PLUMBING SITE PLAN, SHEET PS-0.

10.– 4"SD & OD UP TO ROOF AND DN IN WALL. SD DN TO BEL. GRADE(-12"MIN.). DAYLIGHT OD THRU WALL AT +8". FOR CONTINUATION SEE PLUMBING SITE PLAN, SHEET PS-0.

11.– 3"SD DN. TO BEL. GRADE. FOR CONTINUATION SEE PLUMBING SITE PLAN, SHEET PS-0.

12.– 1/2"CW DN TO BEL. GRADE.

13.– 2"VENT UP.

14.– 3/4"CD COMPLETE WITH TRAP AND VENT.

15.– 1"CD COMPLETE WITH TRAP AND VENT.

16.– 3/4"CD DN IN WALL, CONNECT TO SINK TAILPIECE.

17.– 1"CD DN IN WALL, CONNECT TO SINK TAILPIECE.

18.– 3/4"SECONDARY PAN DRAIN, DAYLIGHT 1" THRU CLG. OVER SINK WITH SECURED ESCUTCHEON. PAINT ALL EXPOSED PIPING TO MATCH CLG.

19.– 1"SECONDARY PAN DRAIN, DAYLIGHT 1" THRU CLG. OVER SINK WITH SECURED ESCUTCHEON. PAINT ALL EXPOSED PIPING TO MATCH CLG.

20.– 3/4"CD DN IN WALL, WITH 3/4"CD BEL. GRADE, DISCHARGE INTO DRYWELL.

21.– P.O.C.– 2"CW TO MODIFIED PIPING ABV. CLG. EXTEND SERVICE TO WATER HEATER. PATCH CLG. TO MATCH EXISTING.

22.– 3/4"CW UP TO HOSE BIBB ON SECOND FLR.

23.– PROVIDE 1/2"CW FOR VENDING MACHINE WATER SUPPLY.

24.– PROVIDE 2"GAS (300 CFH) COMPLETE WITH SOC AND UNION. PROVIDE 6" DIRT LEG, DISCHARGE LINE SIZE RELIEF VALVE AND DRAIN INTO ADJACENT FLOOR SINK WITH AIR GAP.

25.– PROVIDE 1-1/4"GAS (154 CFH) COMPLETE WITH SOC AND UNION. PROVIDE 6"DIRT LEG, DISCHARGE LINE SIZE RELIEF VALVE INTO ADJACENT FLOOR SINK WITH AIR GAP.

PLAN NOTES

20.– 1"CD DN IN WALL, WITH 1"CD BEL. GRADE, DISCHARGE INTO DRYWELL.

26.– 1"SECONDARY PAN DRAIN, DAYLIGHT 1" THRU CLG. OVER FINISH GRADE WITH SECURED ESCUTCHEON. PAINT ALL EXPOSED PIPING TO MATCH CLG.

SCALE:1/8"=1'-0"

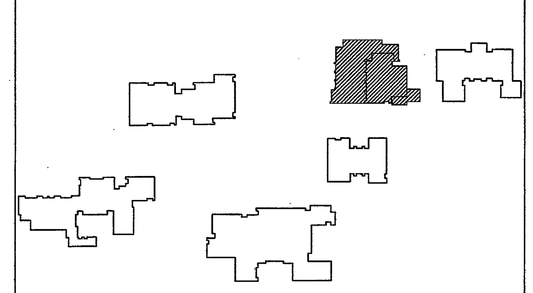
San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 7146733300 f: 7146733267

tBP architecture planning interiors management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART.	
SHEET:	P1-1
SHEET:	PR-2

KEY PLAN



FIRST FLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0" | 1

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 9496730300 fx: 9496739267

architect

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Gary Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca. 92127
ph: 858.674.5400 fx: 858.674.5471

DSA APPROVED
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
ACCESS REQ'D YES
DATE SEP 29 2006

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

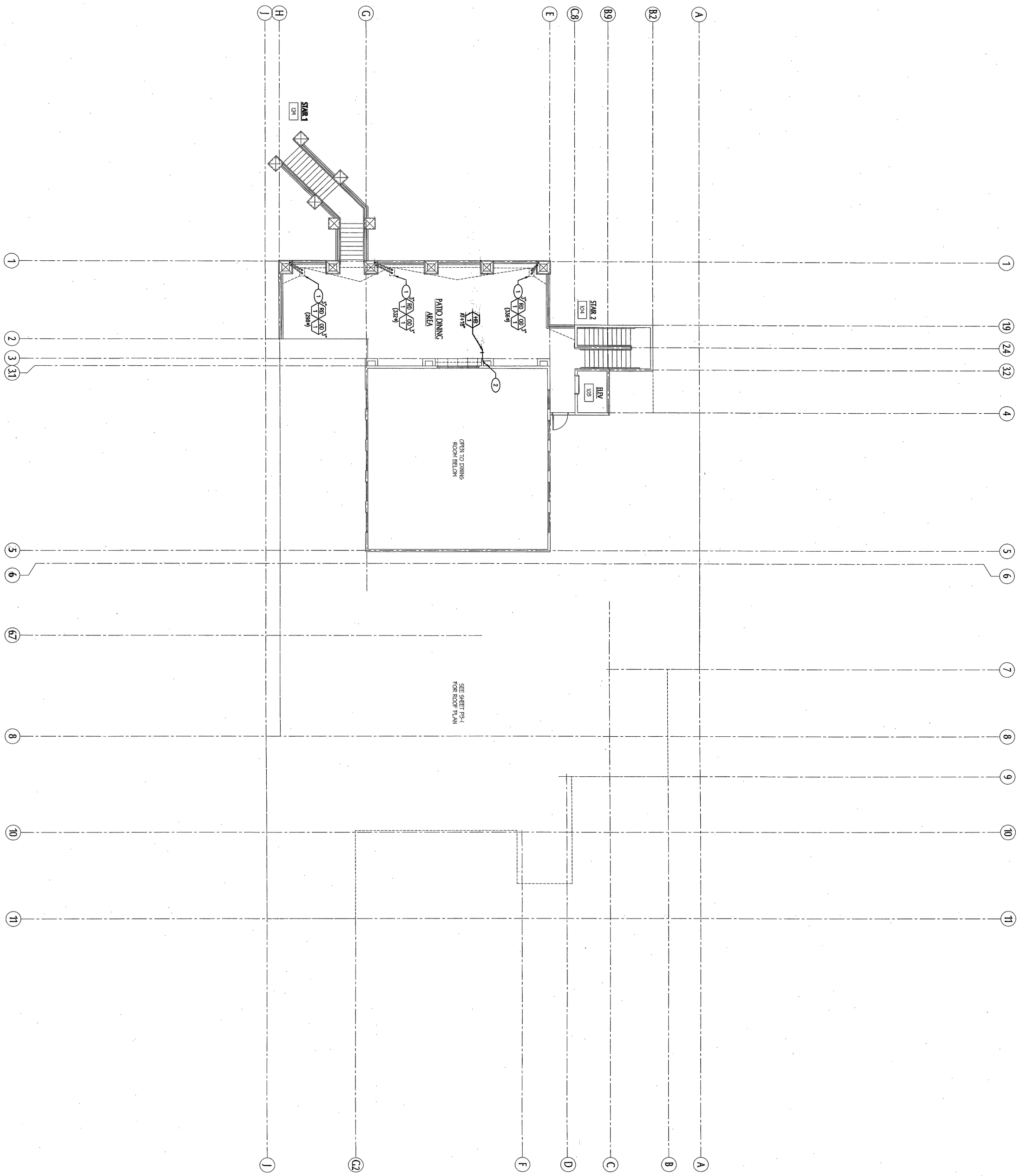
tBP project number : 2048410
file name: DAS-00.dwg
drawn by: CG checked by:
date: 09/19/06

Rev.	date:	description:

drawing title: FIRST FLOOR PLUMBING PLAN
building no:

drawing no: P1-1
drawing 92 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



SECOND LEVEL DECK AND LOWER PLUMBING PLAN

SCALE: 1/8"=1'-0"

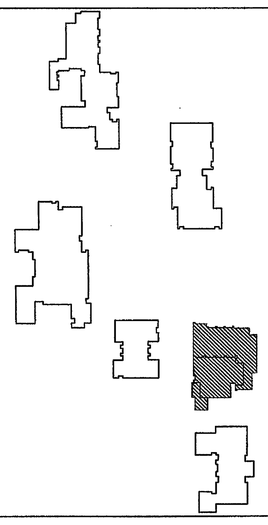
1

PLAN NOTES

1.- 3"SD AND OD DN TO FIRST FLR.

2.- 3/4"CW DN TO FIRST FLR.

KEY PLAN



drawing title: SECOND FLOOR PLUMBING PLAN

building no.: C

drawing no.: P1.2

drawing 93 of 107

Rev.	date	description

date: 04/18/06

drawn by: DK checked by:

file name: A-101-flrplng

tBP project number: 2048.10

owner

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

agency

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC RS SS DL
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

consultant

REGISTERED PROFESSIONAL ENGINEER
MATTHEW M. REFESTRT
No. M 29925
EXP. 6-30-08
MECHANICAL
STATE OF CALIFORNIA

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

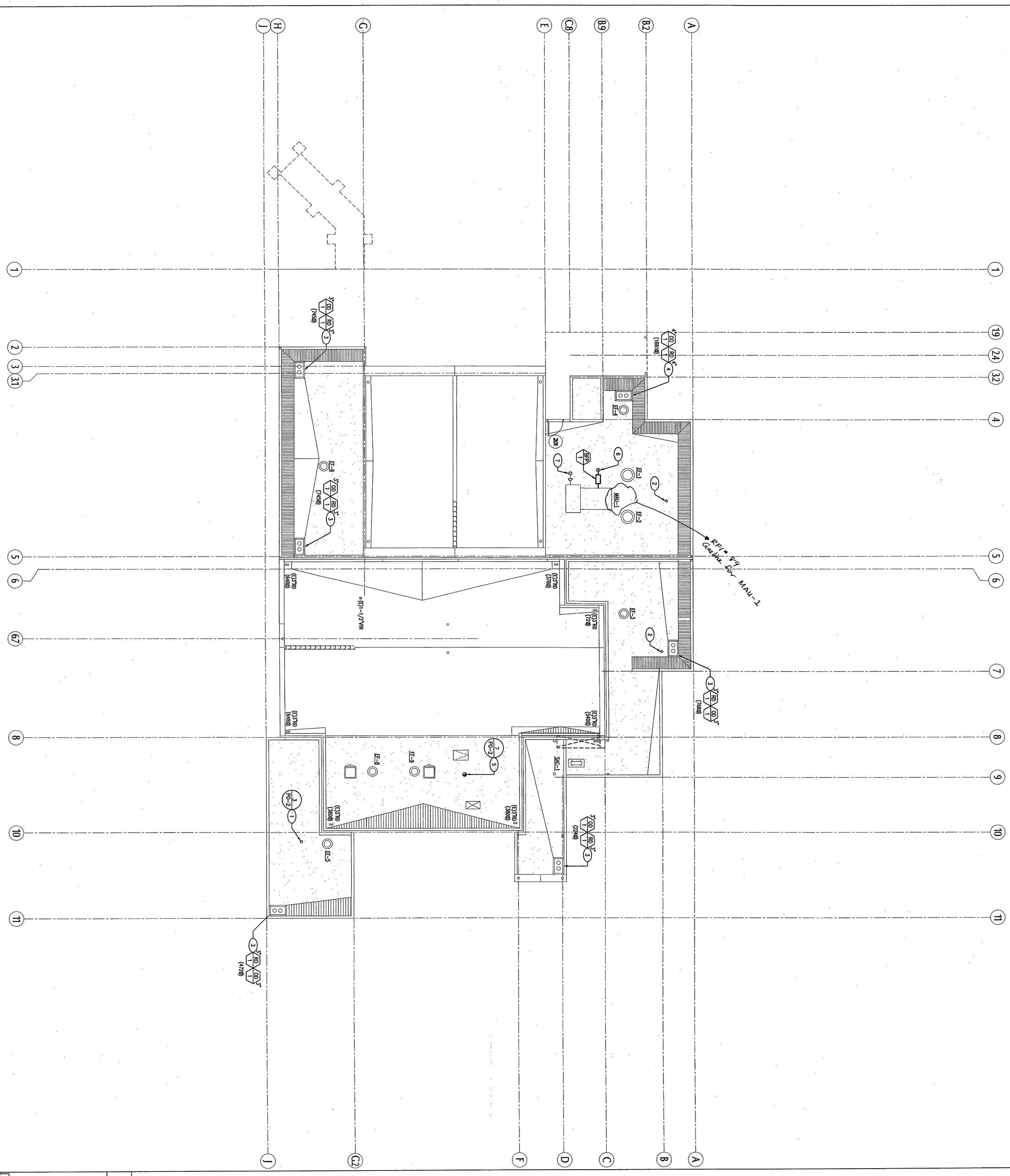
architect

LICENSED ARCHITECT
DAVID J. MENUTEZ
No. C9225
REN. 8-31-07
STATE OF CALIFORNIA

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

tBP
architecture
planning
interiors
management

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

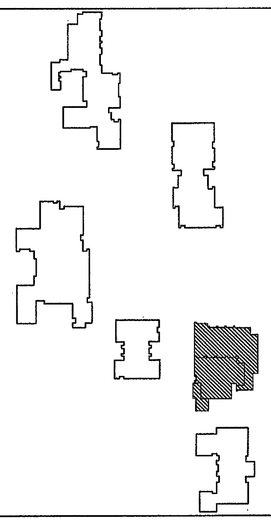


PLUMBING ROOF PLAN

SCALE: 1/8"=1'-0"

1

KEY PLAN



PLAN NOTES

1.- 2"VTR.
2.- 4"VTR.
3.- 3"SD & OD DN. TO FIRST FLR.
4.- 4"SD & OD DN. TO FIRST FLR.
5.- 6"DIA. FLUE WITH APPROVED VENT CAP.
6.- 1/2"CW DN. FIRST FLR.
7.- 3/4"BRAIN DN TO FIRST FLR.

drawing title: PLUMBING ROOF PLAN
building no: C
drawing no: P3-1
drawing 44 of 107

Rev. date description

date: 04/9/06
drawn by: DK checked by:
file name: A-101-flip.dwg
tBP project number: 204910

owner

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

agency

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC — RS — SS — PL
DATE SEP 2 9 2009

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

consultant

REGISTERED PROFESSIONAL ENGINEER MATTHEW M. PETZERKT No. M 29925 Exp 6-30-08 MECHANICAL STATE OF CALIFORNIA

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

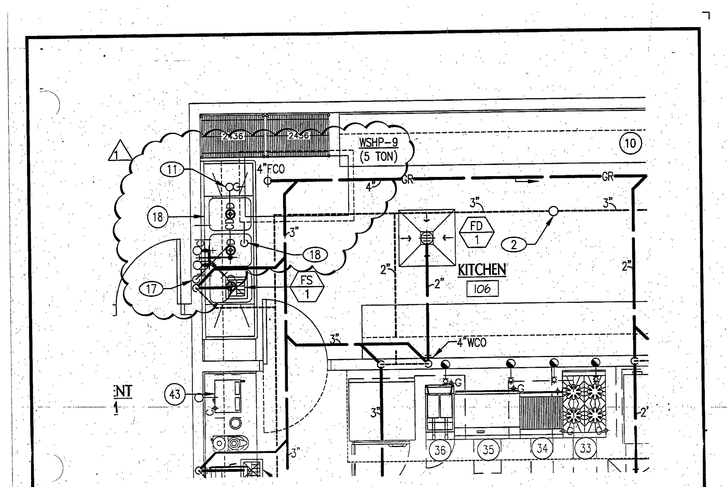
architect

REGISTERED ARCHITECT JOHN S. MAGNUSON No. C9223 REN. 8-31-07 STATE OF CALIFORNIA

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

tBP
architecture
planning
interiors
management

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



PLAN NOTES

17.– 1"SECONDARY PAN DRAIN, DN IN WALL AND DISCHARGE INTO FLOOR SINK WITH LEGAL AIR-GAP.

18.– 1"SECONDARY PAN DRAIN, DAYLIGHT 1" THRU CLG. OVER SINK WITH SECURED ESCUTCHEON. PAINT ALL EXPOSED PIPING TO MATCH CLG.

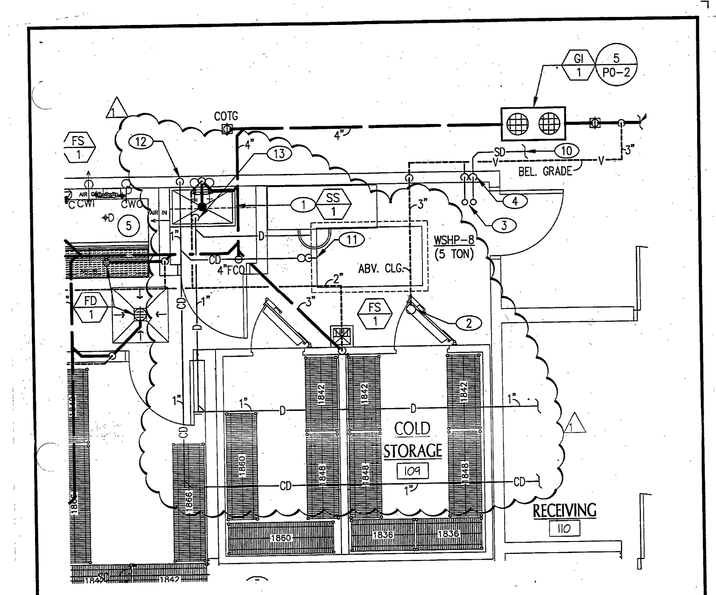
SCALE:1/4"=1'-0"

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 7146733300 f: 7146733267

tBP architecture planning interiors management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART SHEET:	P4-1
SHEET:	PR-7



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

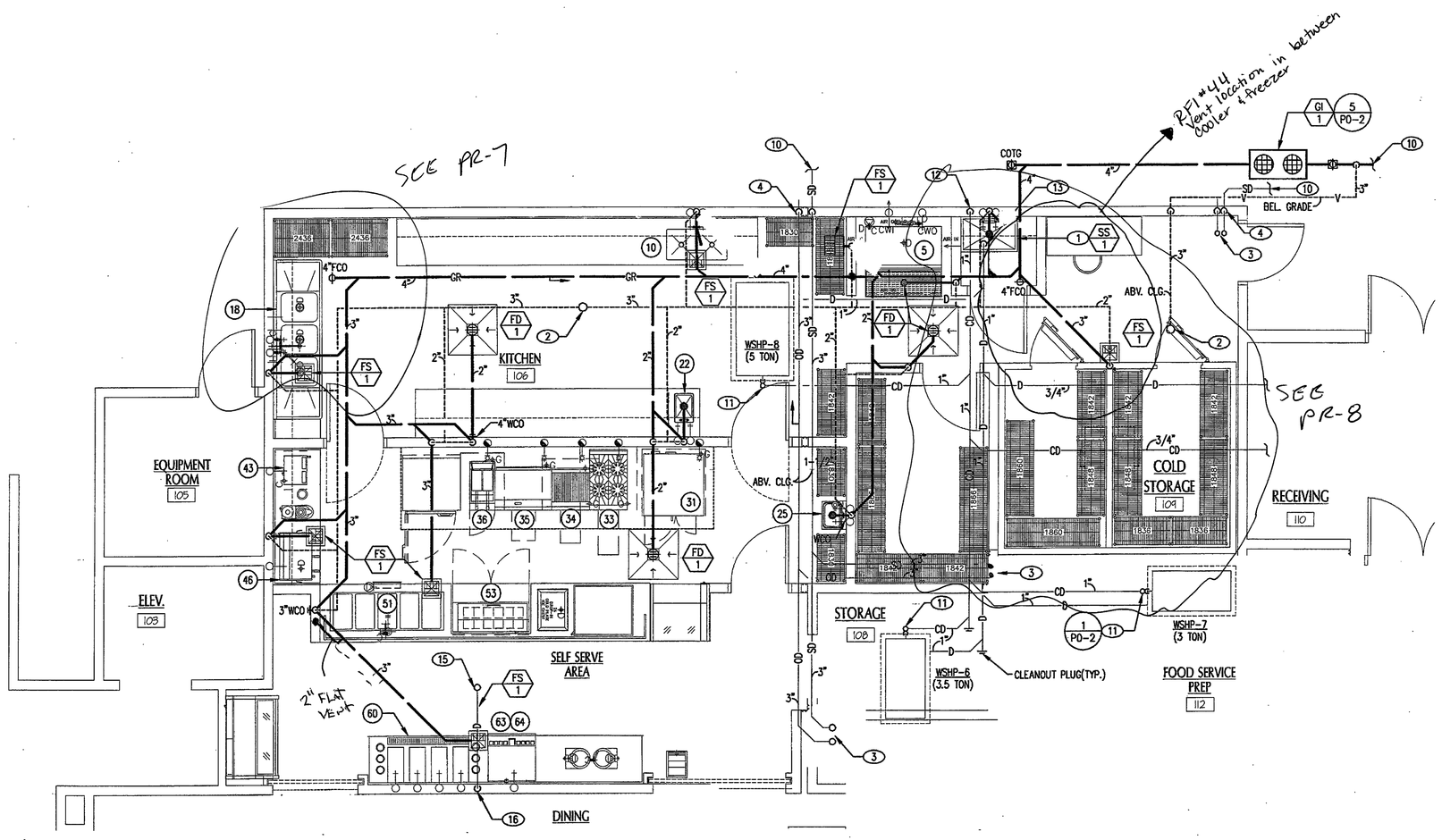
San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 7146733300 f: 7146733267

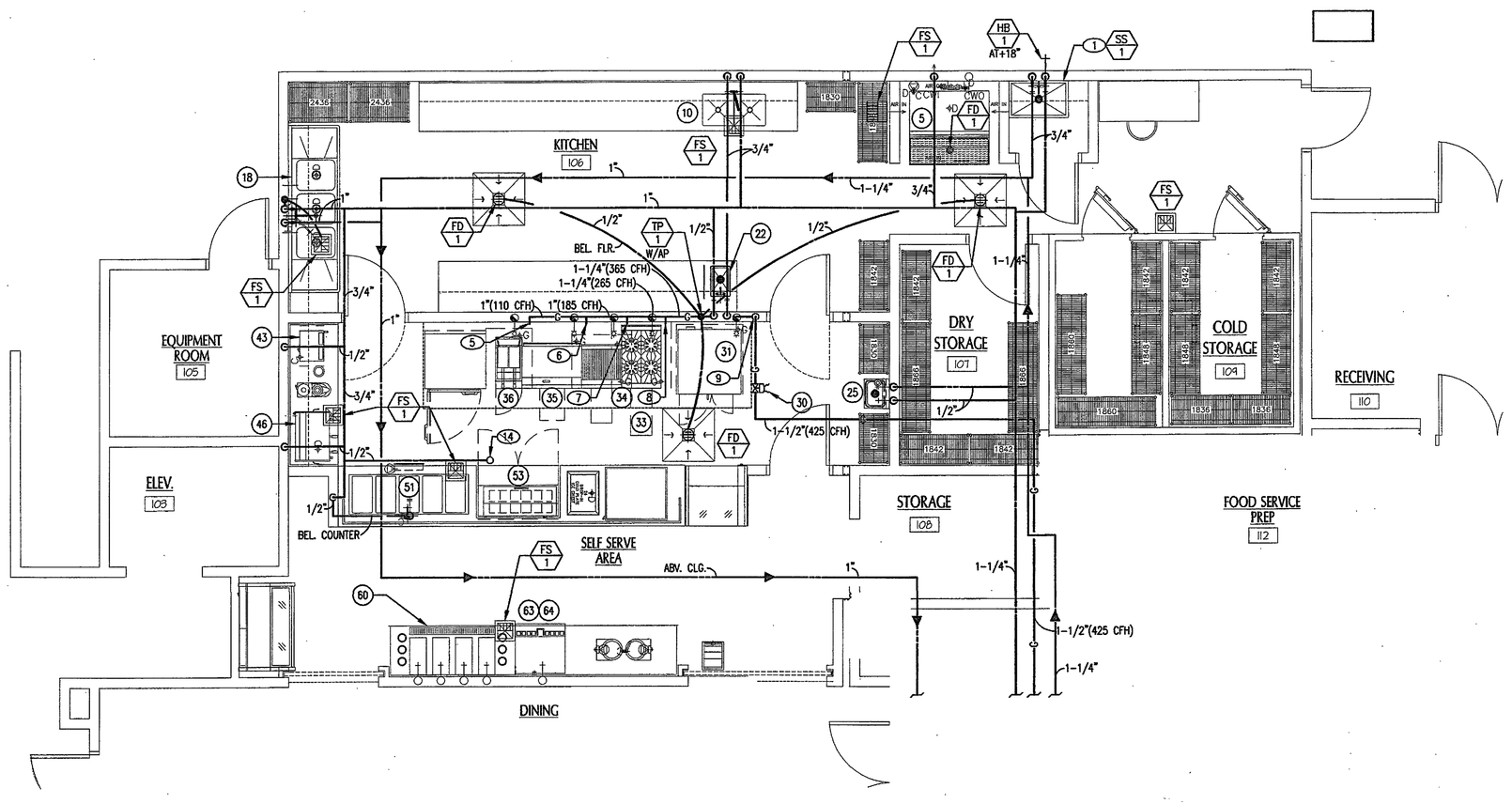
tBP architecture planning interiors management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4 -107979	
THIS REVISES IN PART SHEET:	P4-1
SHEET:	PR-8

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



ENLARGED WASTE AND VENT KITCHEN PLAN | 1
SCALE: 1/4"=1'-0"



ENLARGED WATER AND GAS KITCHEN PLAN | 2
SCALE: 1/4"=1'-0"

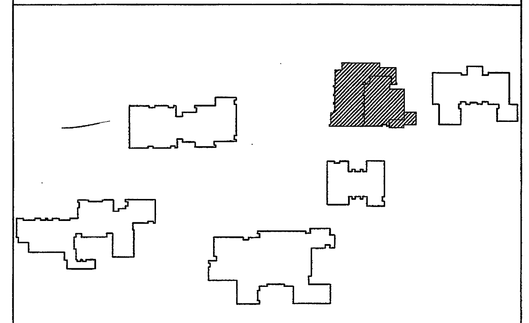
PLAN KEYNOTES

1.– PROVIDE 3"WASTE, 2"VENT, AND 3/4"CW AND HW.
2.– 3"VENT UP.
3.– 3"SD & OD UP TO ROOF.
4.– 3"SD & OD DN IN WALL, DAYLIGHT SD THRU WALL AT +6". DAYLIGHT OD THRU WALL AT +8".
5.– 1"GAS (110 CFH) COMPLETE WITH SHUT-OFF COCK.
6.– 3/4"GAS (75 CFH) COMPLETE WITH SHUT-OFF COCK.
7.– 3/4"GAS (80 CFH) COMPLETE WITH SHUT-OFF COCK.
8.– 3/4"GAS (100 CFH) COMPLETE WITH SHUT-OFF COCK.
9.– 3/4"GAS (60 CFH) COMPLETE WITH SHUT-OFF COCK.
10.– FOR CONTINUATION SEE PLUMBING SITE PLAN, SHEET PS-0.
11.– 1"CD COMPLETE WITH TRAP AND VENT.
12.– 1"CD DN IN WALL, DISCHARGE INTO SERVICE SINK WITH LEGAL AIR GAP.
13.– 1"SECONDARY PAN DRAIN, DAYLIGHT 1" THRU CLG. OVER SERVICE SINK WITH SECURED ESCUTCHEON. PAINT ALL EXPOSED PIPING TO MATCH CLG.
14.– 1/2"CW UP TO ROOF.
15.– 3/4"DRAIN UP TO ROOF.
16.– 3/4"DRAIN DN IN WALL AND SPILL INTO FLR. SINK.

KITCHEN KEYNOTES (REFERENCE SHEET FS-1)

5.– ICE MAKER
10.– PREP SINK
18.– THREE COMPARTMENT SINK
22.– HAND SINK
25.– WALL MOUNTED HAND SINK
30.– FIRE PROTECTION SYSTEM
31.– OVEN
33.– RANGE
34.– BROILER
35.– GRIDDLE
36.– FRYER
43.– COFFEE MAKER
46.– ESPRESSO COFFEE MACHINE
51.– DROP-IN HOT WELLS
53.– UNDERBAR ICE CHEST
60.– DRINK DISPENSER
63.– SODA DISPENSER
64.– CARBONATOR

KEY PLAN



tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph 949.673.0300 fx. 949.673.9267
architect

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Gorry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805
consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

DSA APPROVAL STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC ELEC FS DL SS
DATE SEP 29 2006

San Elijo Student Center MiraCosta College

MiraCosta College • San Elijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007

owner

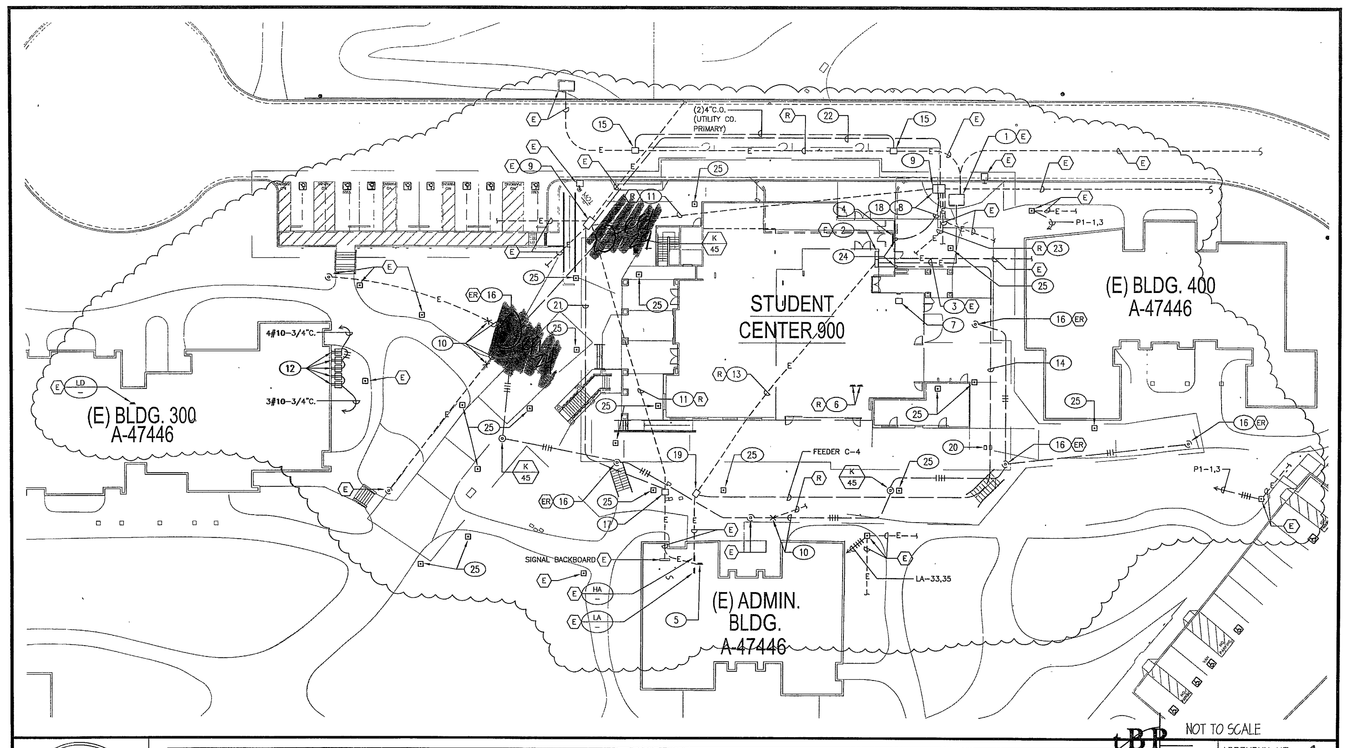
tBP project number : 2048.10
file name: A-101-llp.dwg
drawn by: DK checked by:
date: 09/19/06

Rev.	date:	description:

drawing title: building no: 6
ENLARGED KITCHEN PLUMBING PLANS

drawing no:
P4-1
drawing 93 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



LICENSED ARCHITECT
ELLIOTT MARTIN BRUNDIDGE
No. C-31145
STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

architecture
planning
interiors
management

tBP

ADDENDUM NO. 4
DATE: 11/13/06
DSA NO.: 107979
THIS REVISES IN
PART SHEET: ES-0
SHEET: ER-1

PLAN NOTES

1.– EXISTING UTILITY COMPANY TRANSFORMER TO REMAIN.

2.– EXISTING MAIN SWITCHBOARD "MSB" TO REMAIN. PROTECT IN PLACE. SEE SHEETS E0-3 AND E1-2 FOR ADDITIONAL INFORMATION.

3.– EXISTING SECONDARY FEEDER FROM UTILITY COMPANY TRANSFORMER TO EXISTING MAIN SWITCHBOARD TO REMAIN.

4.– NEW TELEPHONE BACKBOARD "TB".

5.– EXISTING FIRE ALARM CONTROL PANEL "FACP" TO REMAIN. MODIFY AS REQUIRED TO PROVIDE ADDITIONAL ADDRESSABLE CONTROL MODULES FOR A COMPLETE AND OPERABLE SYSTEM. SEE FIRE ALARM RISER DIAGRAM, SHEET E0-5.

6.– EXISTING PANELS "HC" AND "LC" (AND ALL ASSOCIATED FEEDERS) TO BE REMOVED.

7.– EXISTING TRANSFORMER (AND ALL ASSOCIATED FEEDERS) TO BE REMOVED.

8.– NEW (4)2" TELEPHONE, DATA, FIRE ALARM AND CATV CONDUITS. SPLICE IN PULLBOX. PROVIDE THE FOLLOWING CABLES:
DATA: ONE 6 STRAND MULTIMODE AND ON E 6 STRAND SINGLE MODE
TELEPHONE: ONE 25 PAIR
FIRE ALARM: ONE WESTPENN 14 GA. SHIELDED TYPE FPL #A0295
CATV: ONE TRUNK CABLE

9.– EXISTING SIGNAL SYSTEM PULLBOX TO REMAIN.

10.– INTERCEPT EXISTING BRANCH CIRCUIT AND EXTEND TO NEW POST TOP'S LOCATION AS INDICATED.

11.– EXISTING SIGNAL SYSTEM FEEDER TO BE REMOVED. PROVIDE NEW FEEDER AS INDICATED. REMOVE EXISTING CABLES BETWEEN PULLBOXES.

12.– PROVIDE (5) WP, GFI, DEDICATED RECEPTACLES FOR FUTORE VENDING MACHINES. HOMERUN TO AVAILABLE CIRCUITS ON EXISTING PANEL "LDA" IN BUILDING D. VERIFY ADDITIONAL REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

13.– EXISTING ADMIN BUILDING POWER FEEDER TO BE REMOVED. PROVIDE NEW FEEDER AS INDICATED.

14.– ADMIN BUILDING NEW FEEDER. EXISTING FEEDER TO REMAIN IN USE UNTIL NEW FEEDER IS OPERABLE. AT THE TIME NEW FEEDER IS ENERGIZED, EXISTING FEEDER WILL BE DEMOED IN ORDER TO HAVE AS LITTLE DOWN TIME AS POSSIBLE. SEE ALSO NOTE 13 ABOVE AS WELL AS SHEET UR FOR ADDITIONAL INFORMATION.

15.– INTERCEPT EXISTING POWER COMPANY PRIMARY FEEDER AND PROVIDE 3' X 5' X 4' DEEP INTERCEPT TYPE CONCRETE PULLBOX, ENGRAVED "POWER".

16.– EXISTING POST TOP LIGHT TO BE RELOCATED. PROVIDE NEW POLE BASE AND ANCHOR BOLTS TO MATCH EXISTING. VERIFY AS TO NEW LOCATION WITH ARCHITECT.

17.– –

18.– INTERCEPT EXISTING SIGNAL SYSTEM FEEDERS AND PROVIDE 3' X 5' X 4' DEEP INTERECEPT TYPE CONCRETE PULLBOX, ENGRAVED "SIGNAL".

19.– INTERCEPT EXISTING FEEDER AND PROVIDE 3' X 5' X4 DEEP INTERCEPT TYPE CONCRETE PULLBOX, ENGRAVED "POWER".

20.– DISCONNECT EXISTING DIRECTORY AND RECONNECT IN NEW LOCATION. VERIFY NEW LOCATION WITH COLLEGE.

21.– 4"C. (DATA), 4"C. (TELEPHONE), 2"C. (FIRE ALARM) AND 2"C. (CATV). SPLICE AT EACH PULLBOX. PROVIDE THE FOLLOWING CABLES:
DATA: ONE 6 STRAND MULTIMODE AND ONE 6 STRAND SINGLE MODE
TELEPHONE: ONE 25 PAIR
FIRE ALARM: EIGHT (8) WESTPENN 14 GA. SHIELDED TYPE FPL #A0295
CATV: ONE TRUNK CABLE

22.– (2) 4"C. (DATA AND TELEPHONE) AND (5) 2"C. (FIRE ALARM, CATV & SPARES). SPLICE NEW CABLES AT EACH PULLBOX. PROVIDE THE FOLLOWING CABLES:
DATA: THREE 6 STRAND MULTIMODE AND ONE 6 STRAND SINGLE MODE
TELEPHONE: THREE 25 APAIR
FIRE ALARM: THREE (3) WESTPENN 14 GA. SHIELDED TYPE FPL #A0295
CATV: ONE TRUNK CABLE

23.– EXISTING DATA, TELEPHONE, FIRE ALARM AND CATV CONDUITS AND CABLES TO BE REMOVED.

24.– PROVIDE RIGID CONDUIT RISER WITH WEATHERPROOF FITTINGS FROM PVC (UNDERGROUND) TO RIGID EXPOSED CONDUIT. RUN CONDUIT EXPOSED ON BUILDING EXTERIOR WALL SUPPORTED BY UNISTRUT CHANNELS TO AN ELEVATION BELOW THE CEILING. PROVIDE "LB" CONDULET FITTINGS AND PENETRATE THROUGH WALL. ROUTE CONDUIT IN BUILDING AS HIGH POSSIBLE.

25.– EXISTING PATH/BORDER LIGHT (AND ALL ASSOCIATED CONDUIT AND WIRING) TO BE REMOVED.

LICENSED ARCHITECT
ELLIOTT MARTIN BRUNDIDGE
No. C-31145
STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

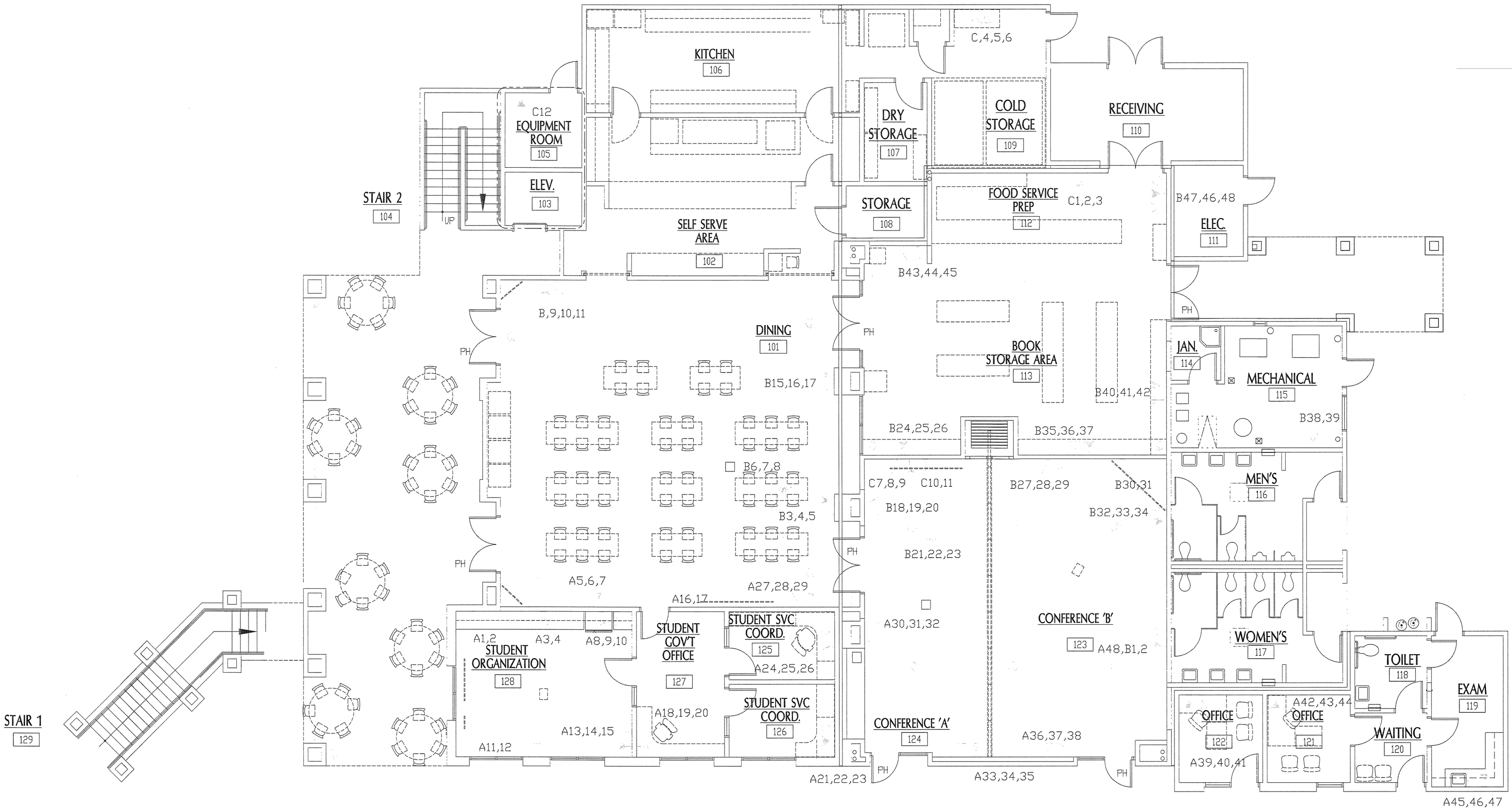
ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

architecture
planning
interiors
management

tBP

ADDENDUM NO. 4
DATE: 11/13/06
DSA NO.: 107979
THIS REVISES IN
PART SHEET: ES-0
SHEET: ER-2

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



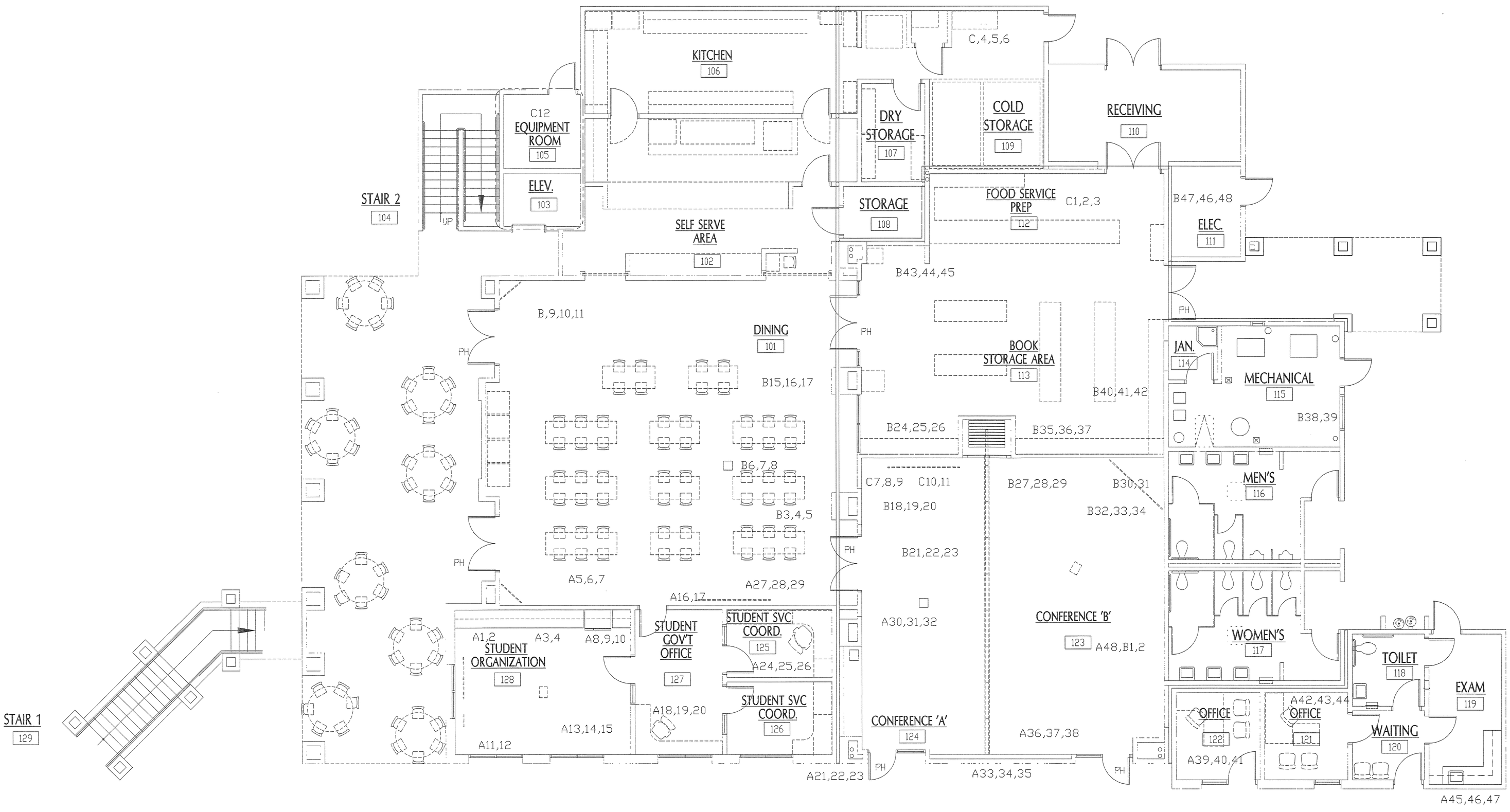
Communication Wiring Specialists, Inc.
: Voice & Data
: Fiber Optics
: Video
: Paging & CATV
8909F Complex Drive San Diego, CA 92123

CWS Communication Wiring Specialists

San Elijo Center
Mira Costa College
3333 Manchester Ave,
Cardif By Teh Sea, CA 92007

PROJECT MANGER	Steve Randall
DRAWN BY	Steve Randall
CUSTOMER FILE NAME	San Elijo
CWS FILE NAME	San Elijo AS-BUILT
JOB NO.	XXXX
DATE	11-14-07
REVISED	
SCALE	1/8' = 1'-0'
SHEET NO.	FP1.1

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



Communication Wiring Specialists, Inc.

- Voice & Data
- Fiber Optics
- Video
- Paging & CATV

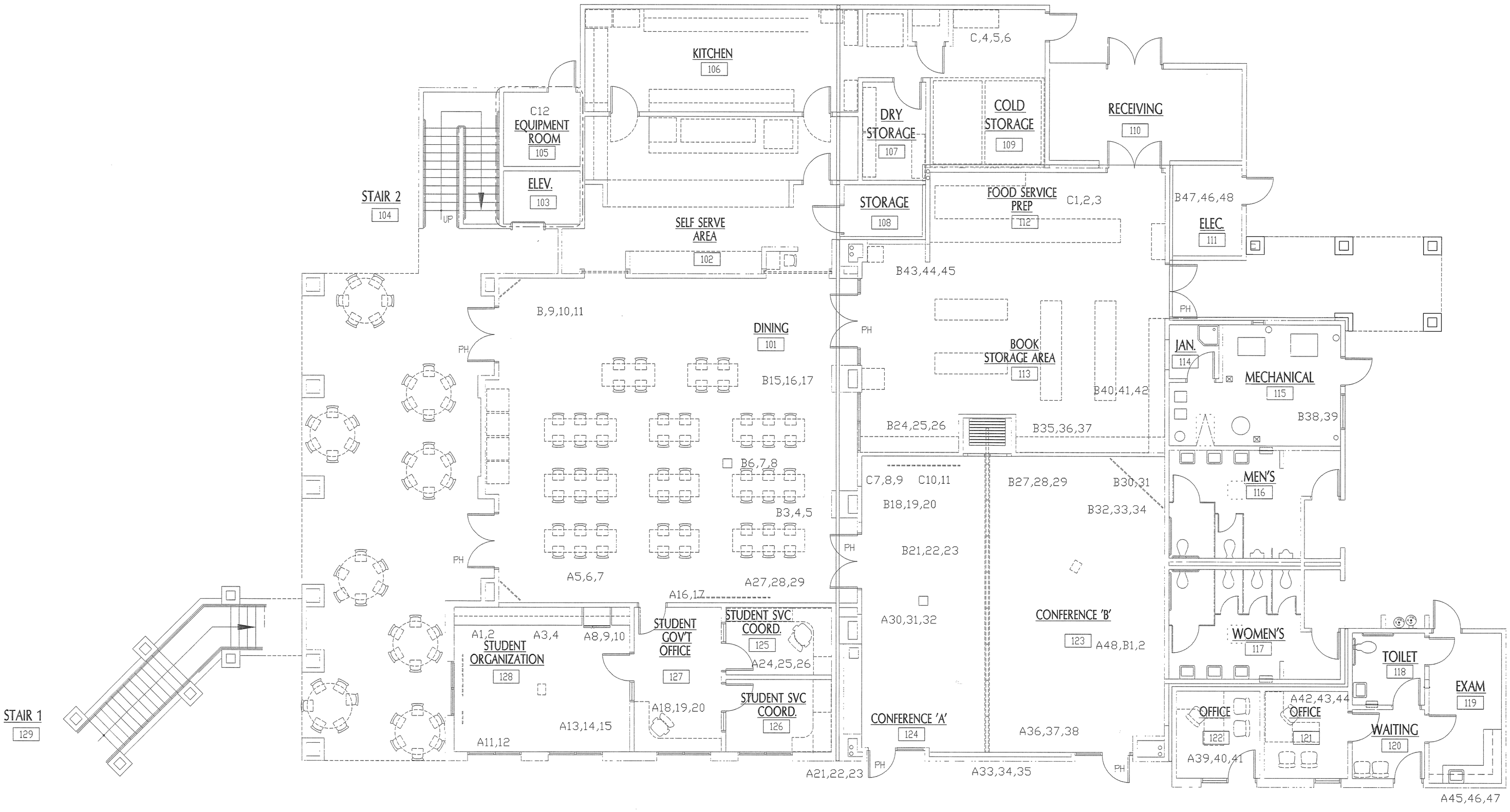
8909F Complex Drive San Diego, CA 92123

CWS Communication Wiring Specialists

San Elijo Center
Mira Costa College
3333 Manchester Ave.
Cardif By Teh Sea, CA 92007

PROJECT MANGER	Steve Randall
DRAWN BY	Steve Randall
CUSTOMER FILE NAME	San Elijo
CWS FILE NAME	San Elijo AS-BUILT
JOB NO.	XXXX
DATE	11-14-07
REVISED	
SCALE	1/8' = 1'-0'
SHEET NO.	FP1.1

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



Communication Wiring Specialists, Inc.

- Voice & Data
- Fiber Optics
- Video
- Paging & CATV

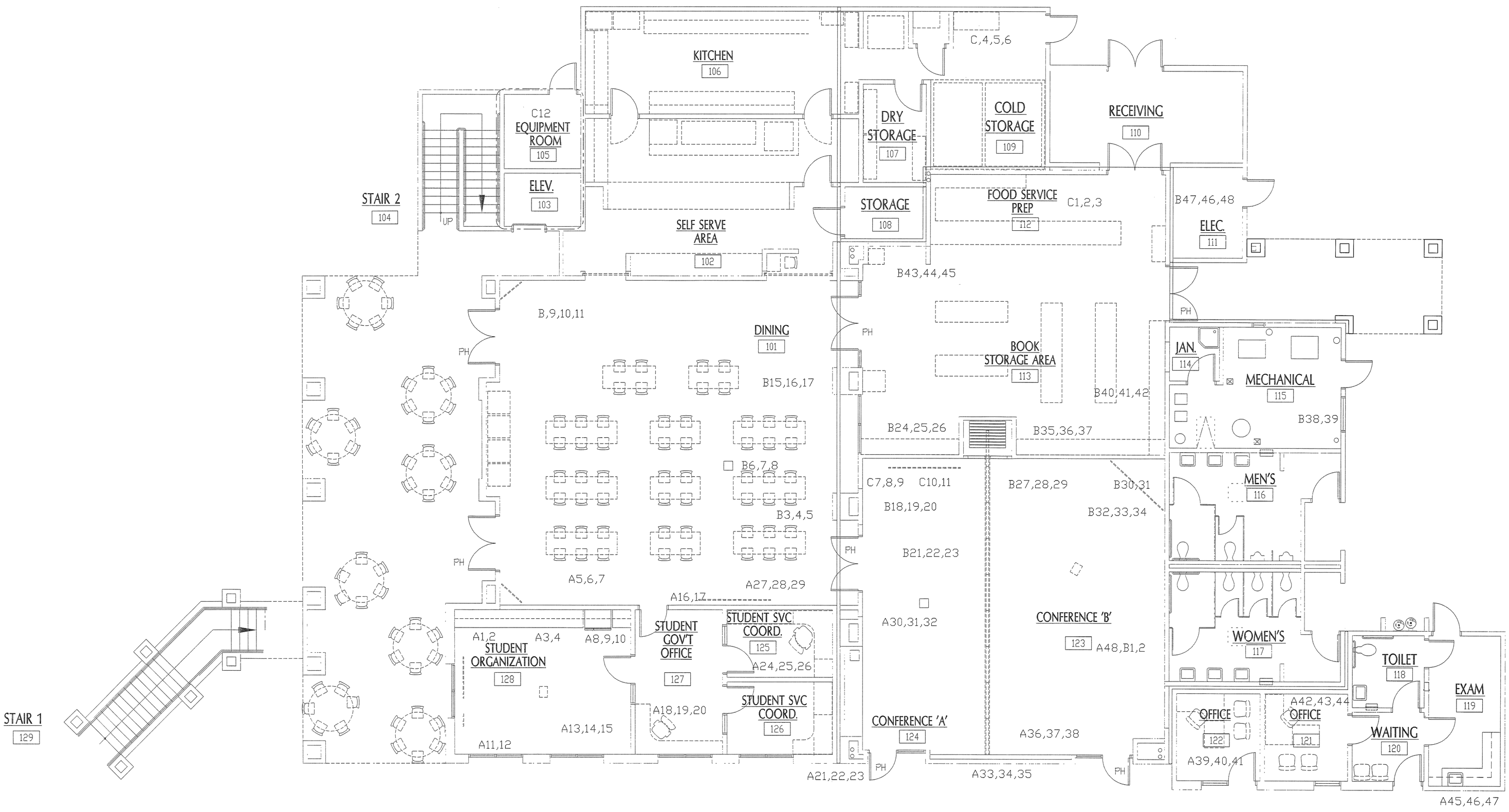
8909F Complex Drive San Diego, CA 92123

CWS Communication Wiring Specialists

San Elijo Center
Mira Costa College
3333 Manchester Ave.
Cardif By Teh Sea, CA 92007

PROJECT MANGER	Steve Randall
DRAWN BY	Steve Randall
CUSTOMER FILE NAME	San Elijo
CWS FILE NAME	San Elijo AS-BUILT
JOB NO.	XXXX
DATE	11-14-07
REVISED	
SCALE	1/8' = 1'-0'
SHEET NO.	FP1.1

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

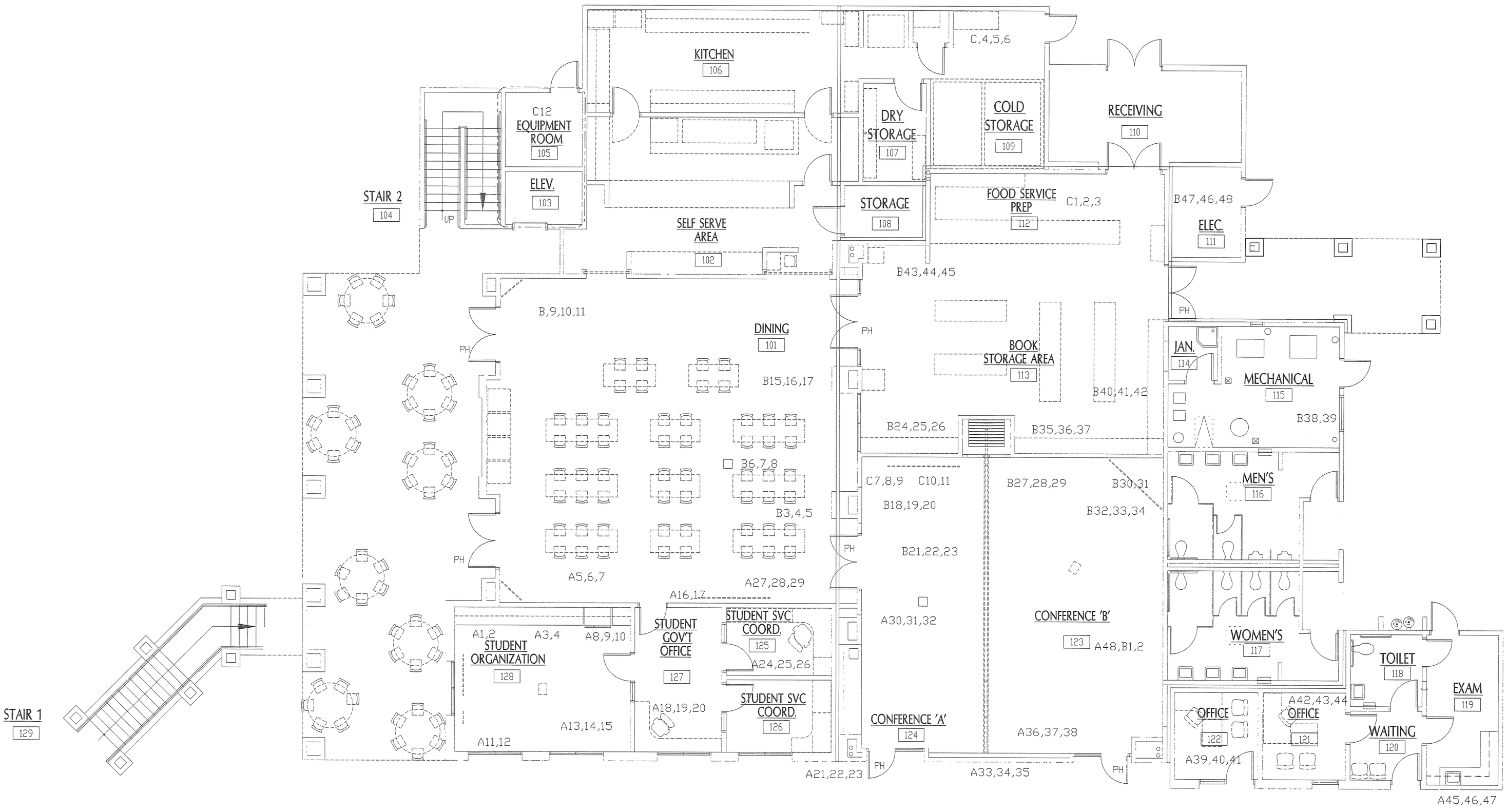


Communication Wiring Specialists, Inc.
• Voice & Data
• Fiber Optics
• Video
• Paging & CATV
8909F Complex Drive San Diego, CA 92123

San Elijo Center
Mira Costa Collage
3333 Manchester Ave.
Cardif By Teh Sea, CA 92007

PROJECT MANGER	Steve Randall
DRAWN BY	Steve Randall
CUSTOMER FILE NAME	San Elijo
CWS FILE NAME	San Elijo AS-BUILT
JOB NO.	XXXX
DATE	11-14-07
REVISED	
SCALE	1/8' = 1'-0'
SHEET NO.	FP1.1

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



Communication Wiring Specialists, Inc.

- Voice & Data
- Fiber Optics
- Video
- Paging & CATV

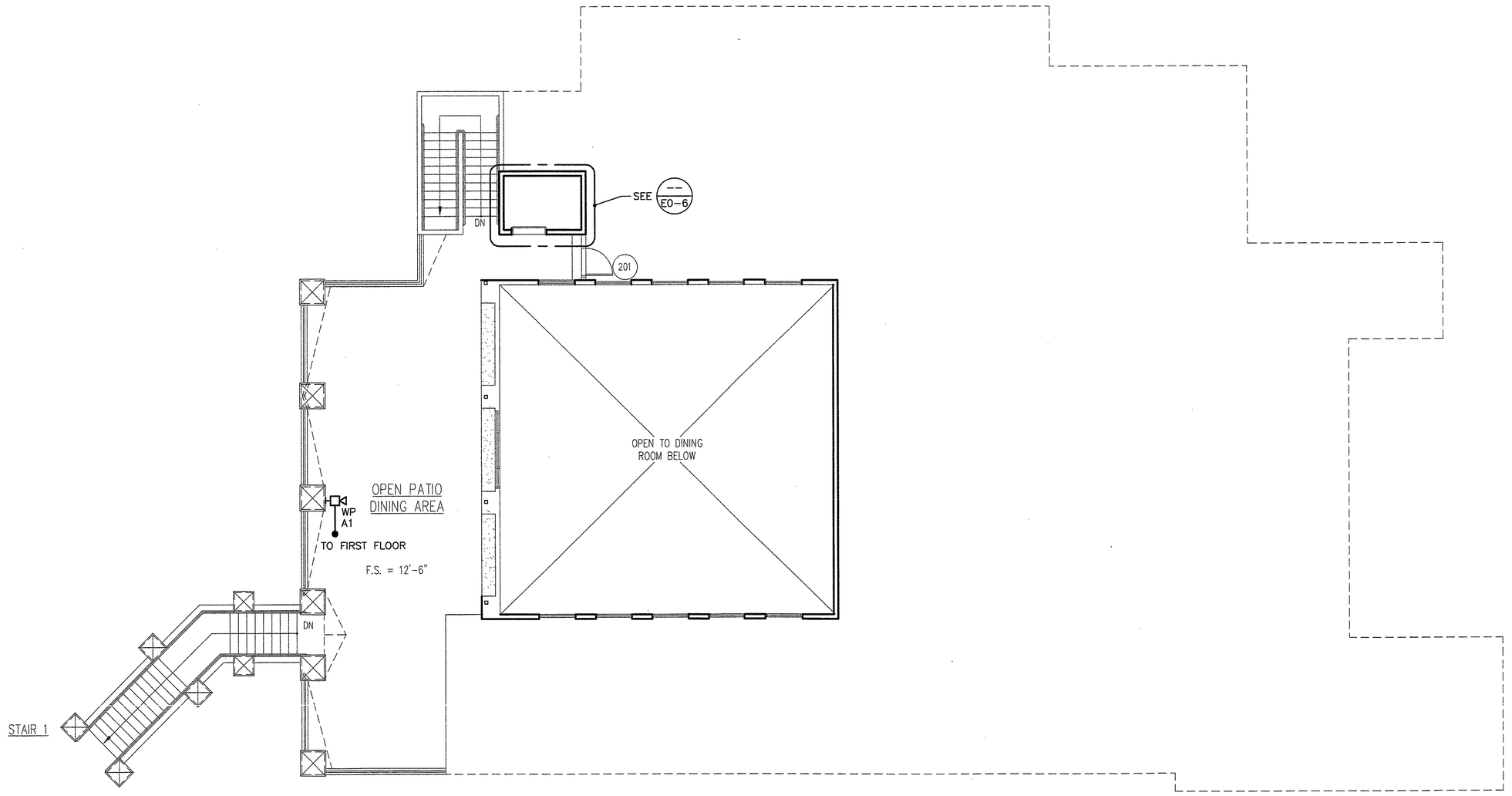
8909F Complex Drive San Diego, CA 92123

CWS Communication Wiring Specialists

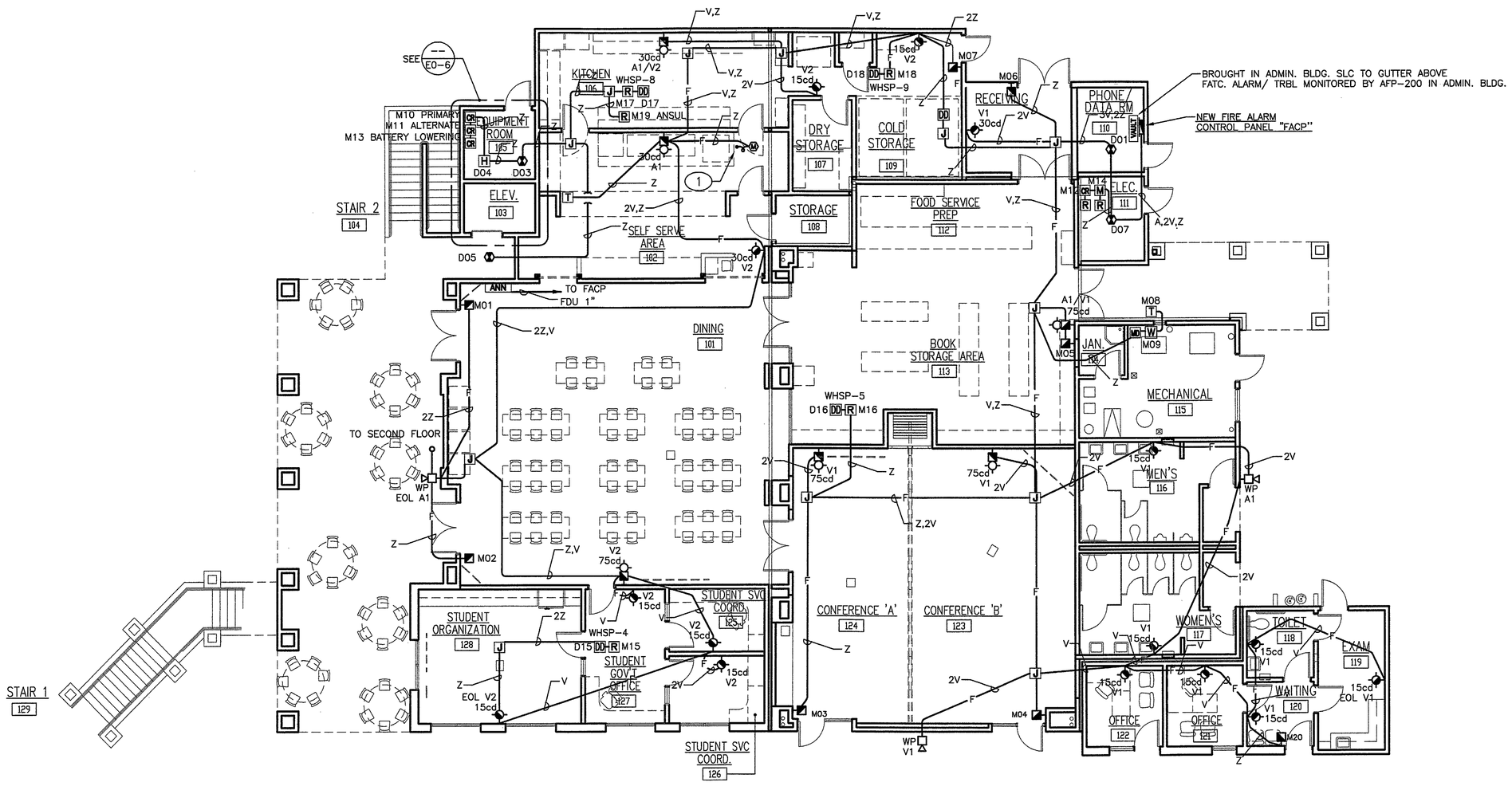
San Elijo Center
Mira Costa College
3333 Manchester Ave,
Cardif By Teh Sea, CA 92007

PROJECT MANGER	Steve Randall
DRAWN BY	Steve Randall
CUSTOMER FILE NAME	San Elijo
CWS FILE NAME	San Elijo AS-BUILT
JOB NO.	XXXX
DATE	11-14-07
REVISED	
SCALE	1/8' = 1'-0'
SHEET NO.	FP1.1

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



SECOND FLOOR FIRE ALARM PLAN | 2
SCALE: 1/8"=1'-0"



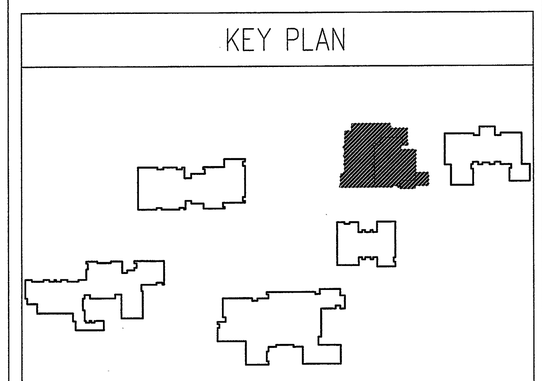
FIRST FLOOR FIRE ALARM PLAN | 1
SCALE: 1/8"=1'-0"

PLAN NOTES

1.– PROVIDE CONNECTION TO KITCHEN EXHAUST HOOD SYSTEM PER MANUFACTURER'S REQUIREMENTS. VERIFY LOCATION PRIOR TO ROUGH–IN.

AUTOMATIC FIRE ALARM SYSTEM
COMPLETE PLAN SUBMITTAL

KEY PLAN



FIRST DSA SUBMITTAL

tBP
architecture
planning
interiors
management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Gorry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805
consultant

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL -
FIS SS
AC
DATE
Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5411
agency

owner
San Elijo Student Center
MiraCosta College
MiraCosta College – San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

tBP project numb 09489.00
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 02/21/06

4/10/06 DSA SUBMITTAL

drawing title: building no.:
FIRST FLOOR
FIRE ALARM PLAN
drawing no.: E1-4
drawing of

Pyro-Comm Systems, Inc.
Fire, Life Safety and Security
System Design and Installation
C-10 #612163 ACO 3231
CORPORATE OFFICE
15531 Container Lane
Huntington Beach, CA 92649
T(714)902-8000 F(714)902-8001
SAN DIEGO REGIONAL OFFICE
5115 Avenida Encinas Ste.F
Carlsbad, CA 92008
T(760)930-6014 F(760)930-6015

NOTIFIER by Honeywell
FACTORY AUTHORIZED DISTRIBUTOR
COOPER wheelock inc.
NESCO Affiliate

Signatures

STATE OF CALIFORNIA
LICENSED ELECTRICAL CONTRACTOR
C10-612163
EXP. 02-28-09

Approvals

Rev	Issued For	Date	By
1	AS BUILT RECORD DRAWING	1-10-2008	RST

Project :
SAN ELIJO STUDENT CENTER
MIRA COSTA COLLEGE
3333 MANCHESTER AVE.
CARDIFF BY THE SEA

W.O. # : 26655

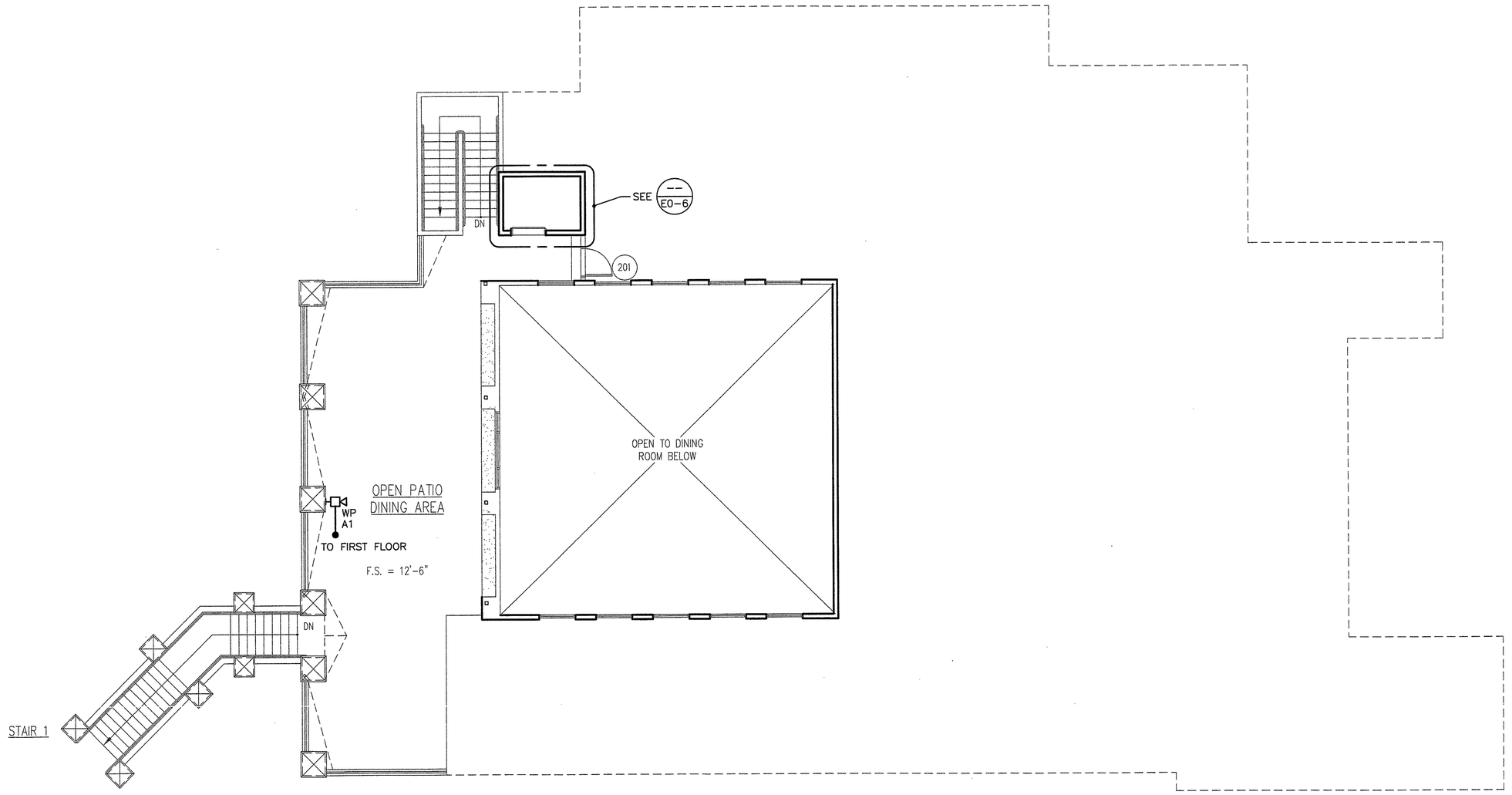
Sheet Title :

Drawn By :

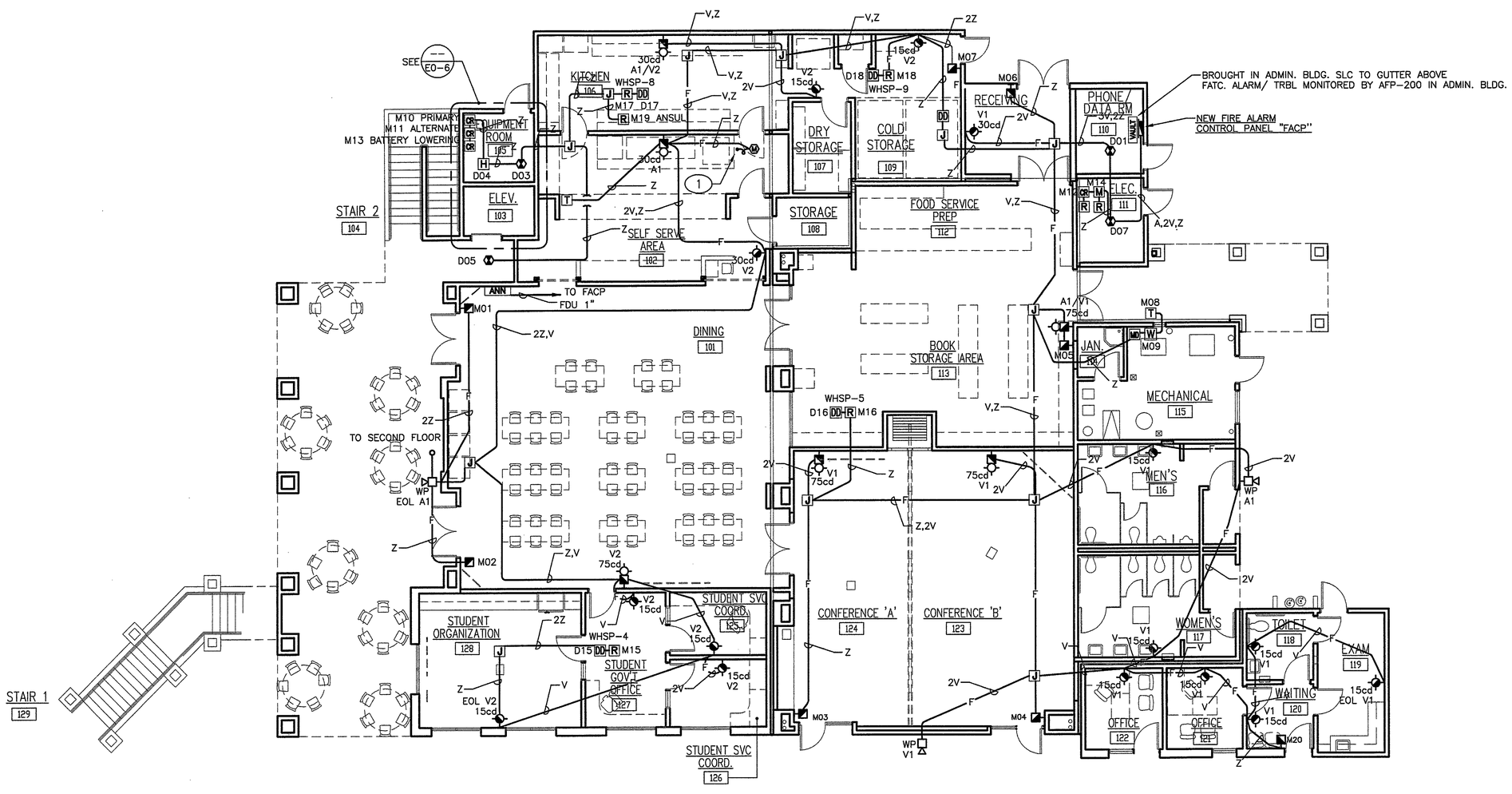
Plan File No.# xx

Sheet Number :

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



SECOND FLOOR FIRE ALARM PLAN | 2
SCALE: 1/8"=1'-0"

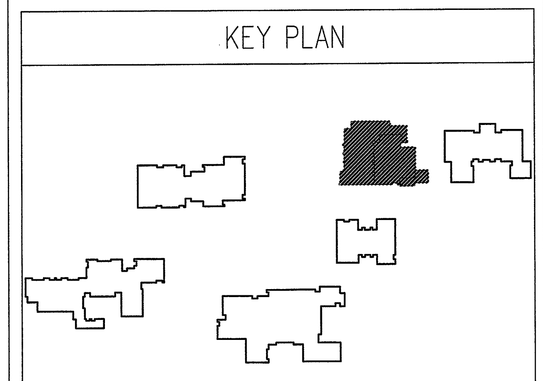


FIRST FLOOR FIRE ALARM PLAN | 1
SCALE: 1/8"=1'-0"

PLAN NOTES

1.– PROVIDE CONNECTION TO KITCHEN EXHAUST HOOD SYSTEM PER MANUFACTURER'S REQUIREMENTS. VERIFY LOCATION PRIOR TO ROUGH–IN.

KEY PLAN



FIRST DSA SUBMITTAL

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

JOHN W. HEIM No. C6233 LICENSED ARCHITECT STATE OF CALIFORNIA

consultant

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

agency

DSA IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL -
FIS SS
AC
DATE

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5411

owner

San Elijo Student Center
MiraCosta College

MiraCosta College – San Alijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

tBP project numb 20489.00
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 02/21/06

4/10/06 DSA SUBMITTAL

drawing title: building no.:
FIRST FLOOR
FIRE ALARM PLAN

drawing no.: E1–4
drawing of

Pyro-Comm Systems, Inc.
Fire, Life Safety and Security
System Design and Installation
C-10 #612153 ACO 3231

CORPORATE OFFICE
15531 Container Lane
Huntington Beach, CA 92649
T(714)902-8000 F(714)902-8001

SAN DIEGO REGIONAL OFFICE
5116 Avenida Encinas Ste.F
Carlsbad, CA 92008
T(760)930-6014 F(760)930-6015

NOTIFIER by Honeywell
FACTORY AUTHORIZED DISTRIBUTOR
COOPER wheelock
NESCO Affiliate

Signatures

STATE OF CALIFORNIA
LICENSED ELECTRICAL CONTRACTOR
C10–612153
EXP. 02–28–09

Approvals

Rev	Issued For	Date	By
1	AS BUILT RECORD DRAWING	1–10–2008	RGT

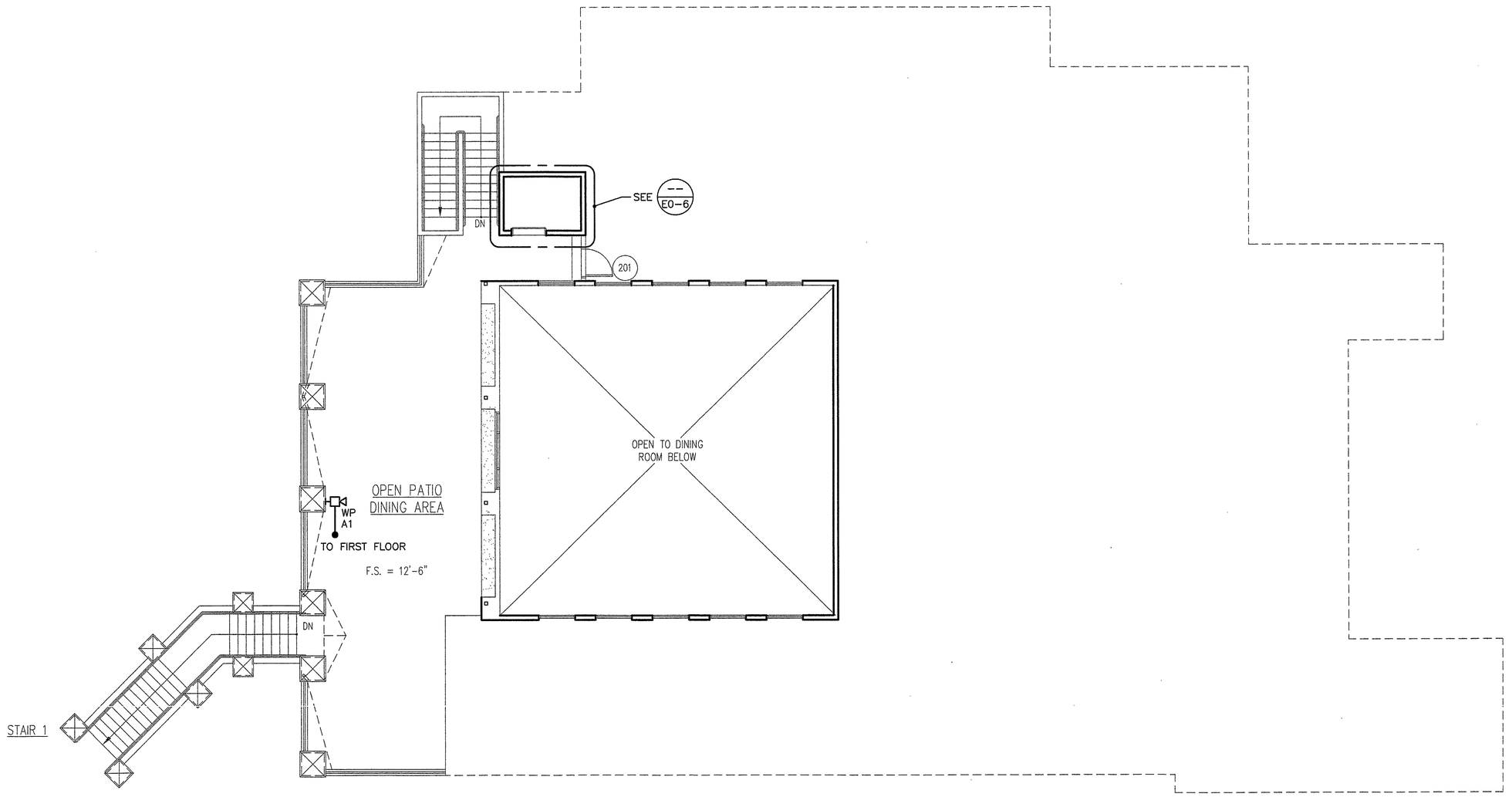
Project :
SAN ELIJO STUDENT CENTER
MIRA COSTA COLLEGE
3333 MANCHESTER AVE.
CARDIFF BY THE SEA
W.O. # : 26655

Sheet Title :

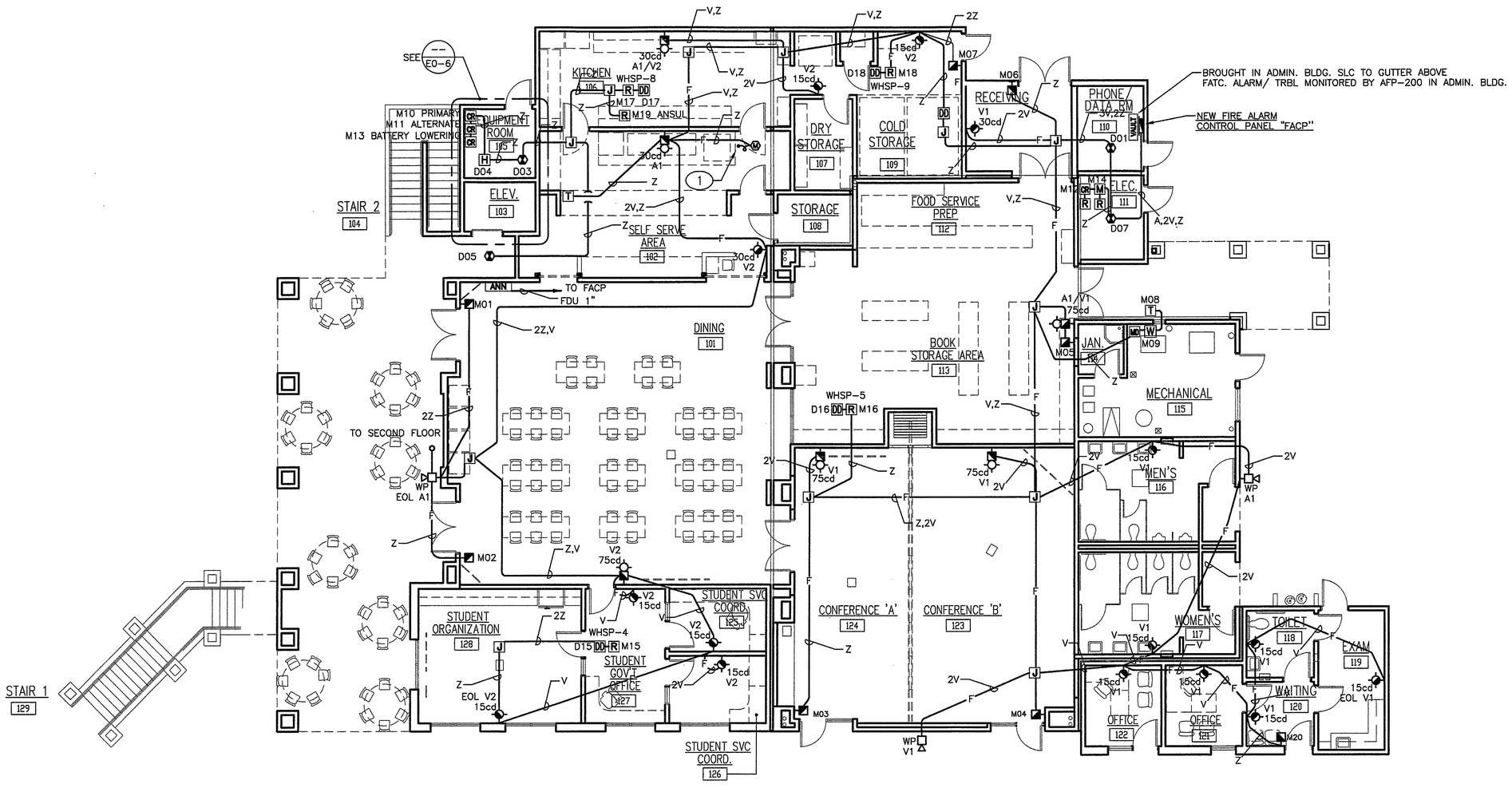
Drawn By :
Plan File No.# xx

Sheet Number :

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007 REFERENCE DOCUMENTS ONLY.



SECOND FLOOR FIRE ALARM PLAN | 2
SCALE: 1/8"=1'-0"



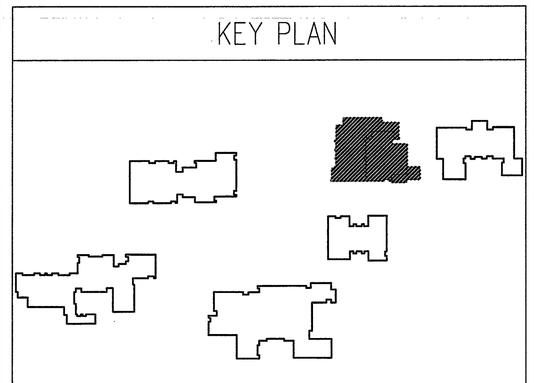
FIRST FLOOR FIRE ALARM PLAN | 1
SCALE: 1/8"=1'-0"

PLAN NOTES

1.– PROVIDE CONNECTION TO KITCHEN EXHAUST HOOD SYSTEM PER MANUFACTURER'S REQUIREMENTS. VERIFY LOCATION PRIOR TO ROUGH–IN.

AUTOMATIC FIRE ALARM SYSTEM
COMPLETE PLAN SUBMITTAL

KEY PLAN



FIRST DSA SUBMITTAL

tBP
architecture
planning
interiors
management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
LICENSED ARCHITECT ANDREW S. TAYLOR No. C6223 STATE OF CALIFORNIA
consultant
GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Gerry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. -
AC FIS SS
DATE
Division of the State Architect
1680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5401
agency

San Elijo Student Center
MiraCosta College

MiraCosta College – San Alijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number 20489.00
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 02/21/06

4/10/06 DSA SUBMITTAL

drawing title: building no.:
FIRST FLOOR
FIRE ALARM PLAN
drawing no.: E1-4
drawing of

Pyro-Comm Systems, Inc.
Fire, Life Safety and Security
System Design and Installation
C-10 #612153 ACO 3231
CORPORATE OFFICE
15531 Container Lane
Huntington Beach, CA 92649
T(714)902-8000 F(714)902-8001
SAN DIEGO REGIONAL OFFICE
5115 Avenida Encinas Ste.F
Carlsbad, CA 92008
T(760)930-6014 F(760)930-6015
NOTIFIER by Honeywell
FACTORY AUTHORIZED DISTRIBUTOR
COOPER wheelock
NESCO Affiliate

Signatures

STATE OF CALIFORNIA
LICENSED ELECTRICAL CONTRACTOR
C10–612153
EXP. 02–28–09

Approvals

Rev	Issued For	Date	By
1	AS BUILT RECORD DRAWING	1–10–2008	RGT

Project :
SAN ELIJO STUDENT CENTER
MIRA COSTA COLLEGE
3333 MANCHESTER AVE.
CARDIFF BY THE SEA

W.O. # : 26655

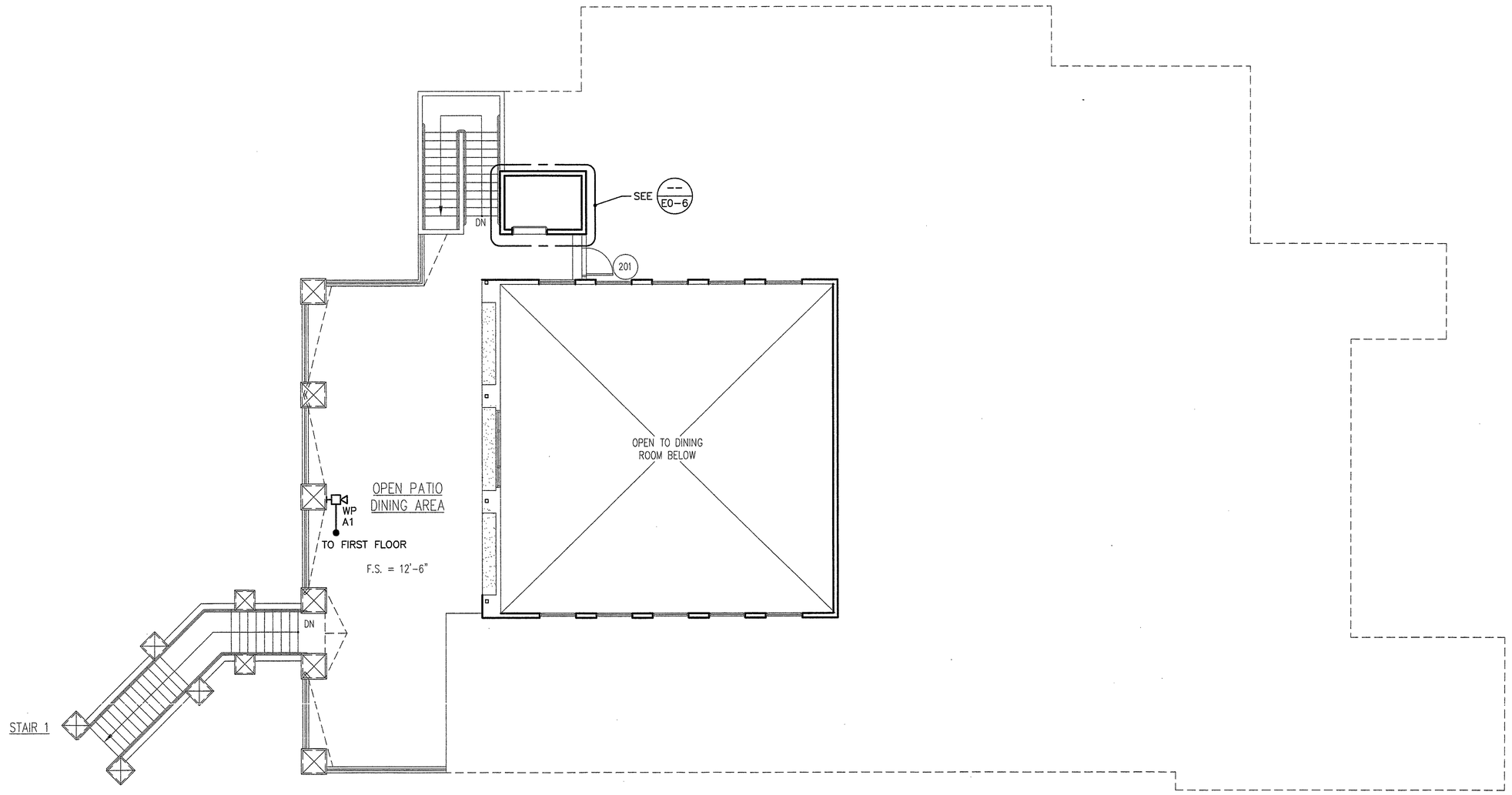
Sheet Title :

Drawn By :

Plan File No.# xx

Sheet Number :

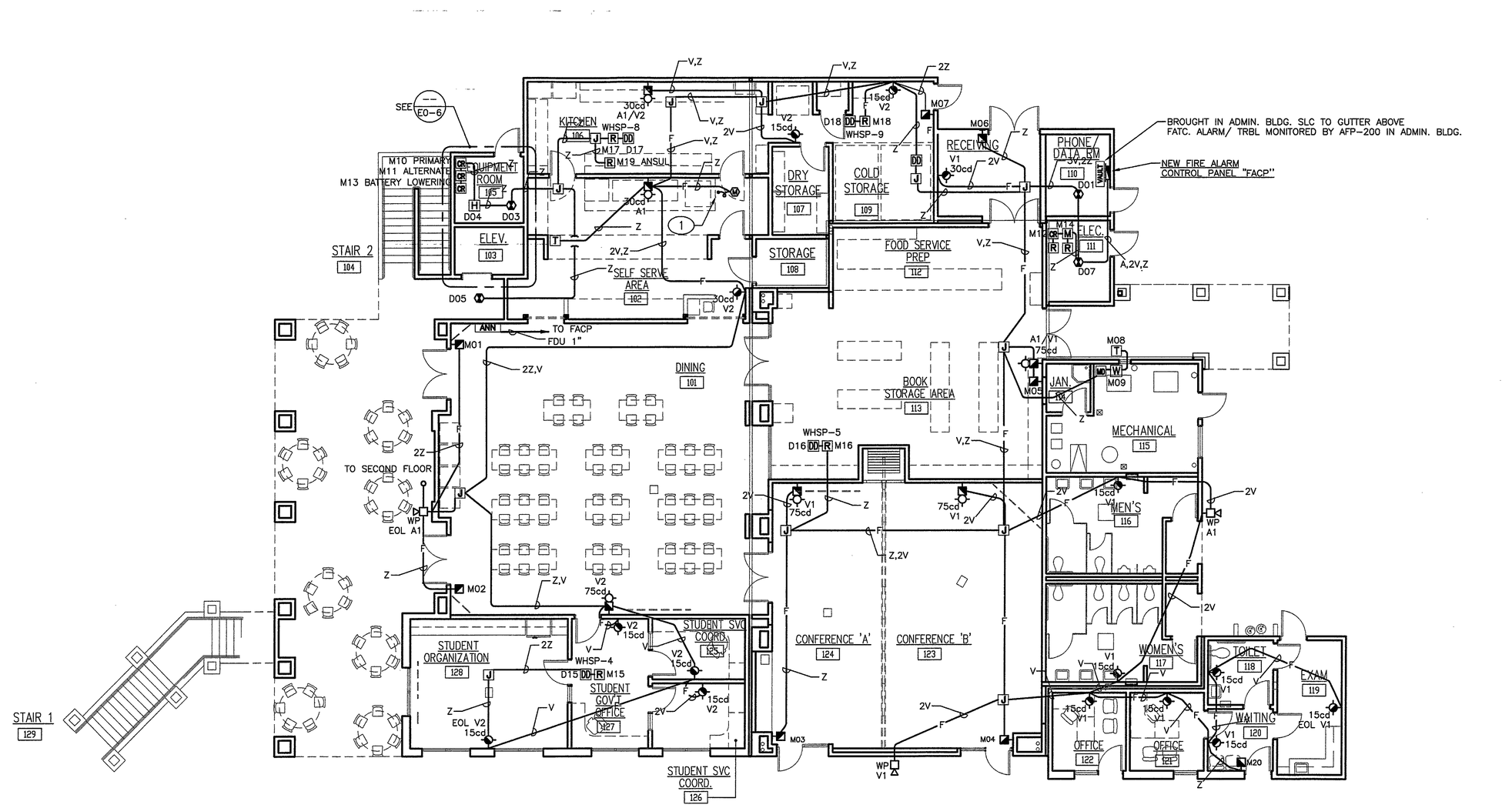
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007 REFERENCE DOCUMENTS ONLY.



SECOND FLOOR FIRE ALARM PLAN | 2
SCALE: 1/8"=1'-0"

PLAN NOTES

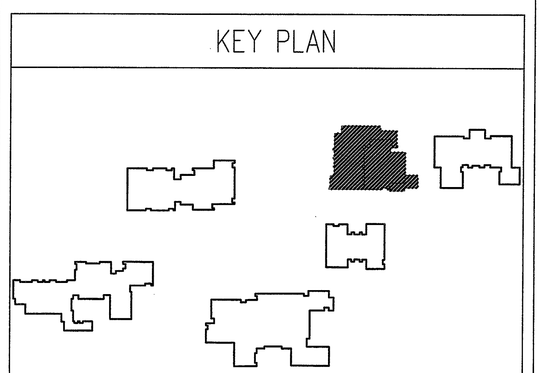
1.– PROVIDE CONNECTION TO KITCHEN EXHAUST HOOD SYSTEM PER MANUFACTURER'S REQUIREMENTS. VERIFY LOCATION PRIOR TO ROUGH–IN.



FIRST FLOOR FIRE ALARM PLAN | 1
SCALE: 1/8"=1'-0"

AUTOMATIC FIRE ALARM SYSTEM COMPLETE PLAN SUBMITTAL

KEY PLAN



FIRST DSA SUBMITTAL

tBP
architecture
planning
interiors
management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

LICENSED ARCHITECT
JOHN E. TSCHUDY
No. C8223
STATE OF CALIFORNIA

GLP #115.050
GLP Engineering, Inc.
Mechanical and Plumbing Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805
consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5411
agency

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGIONAL PROJECTS
APPL. -
AC. RJS SS
DATE

San Elijo Student Center
MiraCosta College

MiraCosta College – San Alijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project numb 0403.00
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 02/21/06
4/10/06 DSA SUBMITTAL

drawing title: building no.:
FIRST FLOOR
FIRE ALARM PLAN

drawing no.:
E1-4
drawing of

Pyro-Comm Systems, Inc.
Fire, Life Safety and Security
System Design and Installation
C-10 #612153 ACO 3231
CORPORATE OFFICE
15531 Container Lane
Huntington Beach, CA 92649
T(714)902-8000 F(714)902-8001
SAN DIEGO REGIONAL OFFICE
5115 Avenida Encinas Ste.F
Carlsbad, CA 92008
T(760)930-6014 F(760)930-6015

NOTIFIER by Honeywell
FACTORY AUTHORIZED DISTRIBUTOR
COOPER wheelock
NESCO Affiliate

Signatures

STATE OF CALIFORNIA
LICENSED ELECTRICAL CONTRACTOR
C10-612153
EXP. 02-28-09

Approvals

Rev	Issued For	Date	By
1	AS BUILT RECORD DRAWING	1-10-2008	RGT

Project :
SAN ELIJO STUDENT CENTER
MIRA COSTA COLLEGE
3333 MANCHESTER AVE.
CARDIFF BY THE SEA
W.O. # : 26655

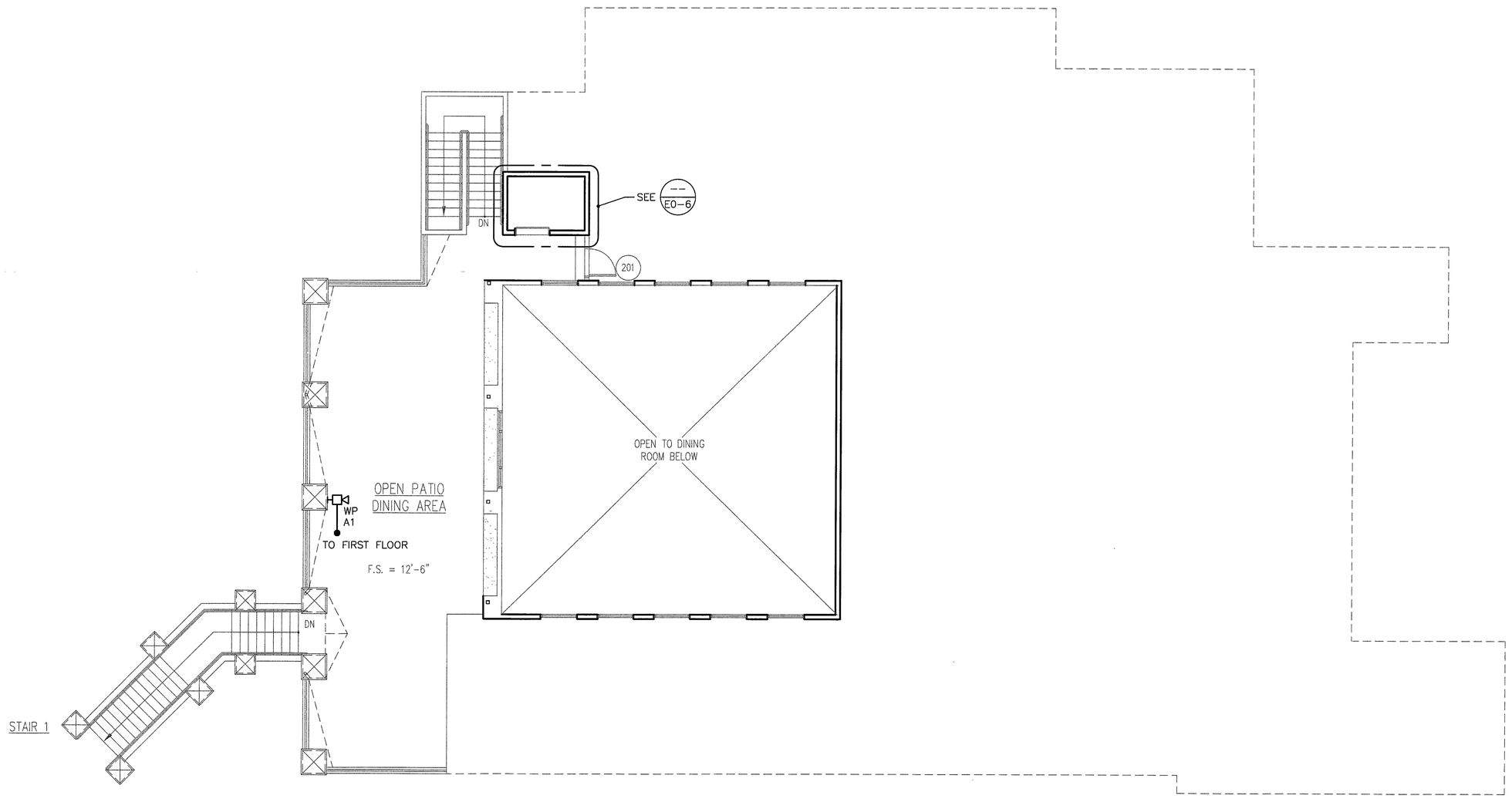
Sheet Title :

Drawn By :

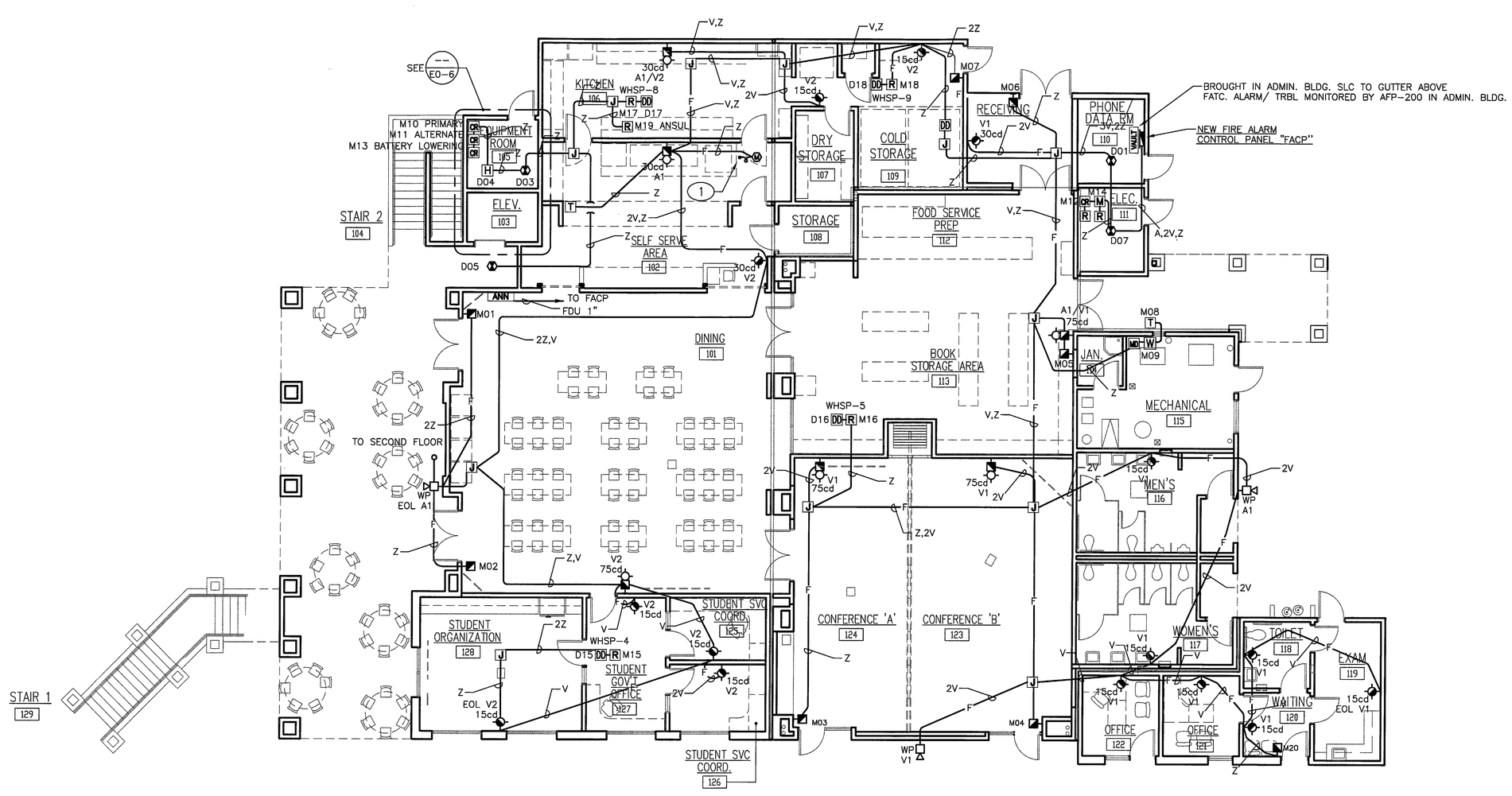
Plan File No.# xx

Sheet Number :

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



SECOND FLOOR FIRE ALARM PLAN | 2
SCALE: 1/8"=1'-0"



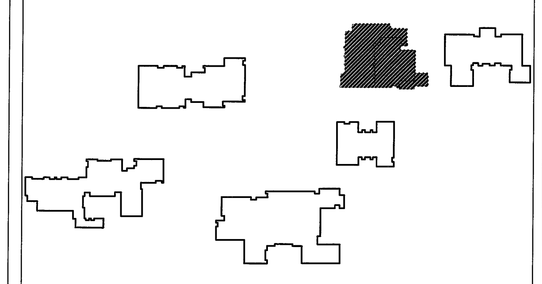
FIRST FLOOR FIRE ALARM PLAN | 1
SCALE: 1/8"=1'-0"

PLAN NOTES

1.– PROVIDE CONNECTION TO KITCHEN EXHAUST HOOD SYSTEM PER MANUFACTURER'S REQUIREMENTS. VERIFY LOCATION PRIOR TO ROUGH–IN.

AUTOMATIC FIRE ALARM SYSTEM COMPLETE PLAN SUBMITTAL

KEY PLAN



FIRST DSA SUBMITTAL

tBP Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architecture planning interiors management

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805
consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL #
AC FLS SS
DATE

San Elijo Student Center
MiraCosta College

MiraCosta College – San Alijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007
owner

tBP project numb 0489.00
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 02/21/06
4/10/06 DSA SUBMITTAL

drawing title: building no.:
FIRST FLOOR
FIRE ALARM PLAN
drawing no.:
E1–4
drawing of

Pyro-Comm Systems, Inc.
Fire, Life Safety and Security
System Design and Installation
C-10 #612153 ACO 3231
CORPORATE OFFICE
15531 Container Lane
Huntington Beach, CA 92649
T(714)902-8000 F(714)902-8001
SAN DIEGO REGIONAL OFFICE
5115 Avenida Encinas Ste.F
Carlsbad, CA 92008
T(760)930-6014 F(760)930-6015

NOTIFIER by Honeywell
FACTORY AUTHORIZED DISTRIBUTOR
COOPER wheelock inc. NESCO Affiliate

Signatures

STATE OF CALIFORNIA
LICENSED ELECTRICAL CONTRACTOR
C10–612153
EXP. 02–28–09

Approvals

Rev	Issued For	Date	By
1	AS BUILT RECORD DRAWING	1–10–2008	RGT

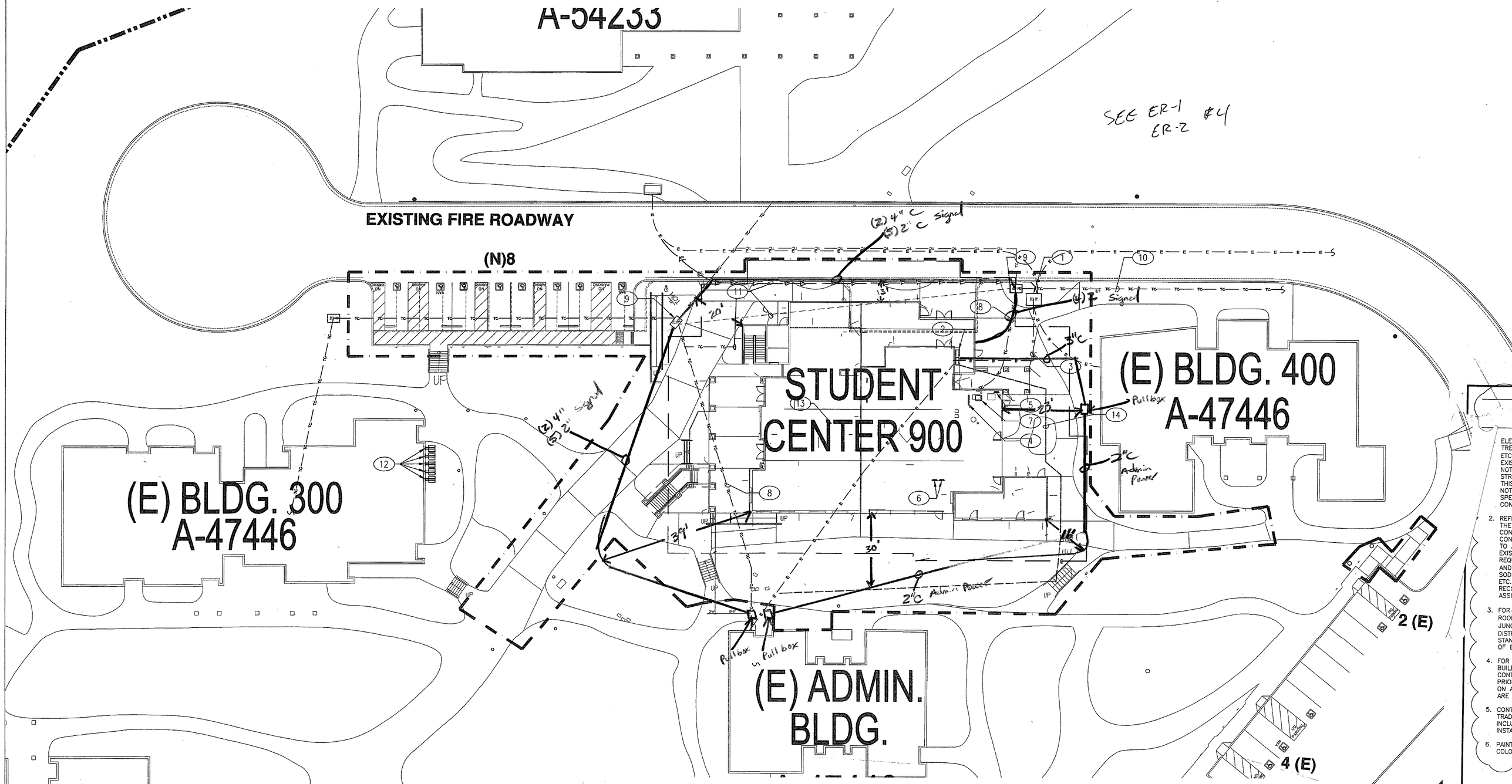
Project :
SAN ELIJO STUDENT CENTER
MIRA COSTA COLLEGE
3333 MANCHESTER AVE.
CARDIFF BY THE SEA
W.O. # : 26655

Sheet Title :

Drawn By :
Plan File No.# xx

Sheet Number :

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007 REFERENCE DOCUMENTS ONLY.



PLAN NOTES

1.– EXISTING UTILITY COMPANY TRANSFORMER TO REMAIN.

2.– EXISTING METER / MAIN SWITCHBOARD TO REMAIN. PROTECT IN PLACE. SEE SHEETS E0–3 AND E1–2 FOR ADDITIONAL INFORMATION.

3.– EXISTING PRIMARY FEEDER FROM UTILITY COMPANY TRANSFORMER TO EXISTING MAIN SWITCHBOARD TO REMAIN.

4.– NEW TELEPHONE BACKBOARD "TB". VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH–IN.

5.– MODIFY EXISTING FIRE ALARM CONTROL PANEL. PROVIDE ADDITIONAL ADDRESSABLE CONTROL MODULES AS NEEDED FOR A COMPLETE AND OPERABLE SYSTEM. SEE FIRE ALARM RISER DIAGRAM, SHEET E0–5.

6.– EXISTING PANELS "HC" AND "LC" TO BE REMOVED.

7.– EXISTING TRANSFORMER TO BE REMOVED.

8.– EXISTING (4)2" PRIMARY TELECOM FEEDER, PRIMARY COMMUNICATIONS FEEDER, FIRE ALARM AND SPARE. INTERCEPT AND EXTEND TO NEW TELEPHONE BACKBOARD LOCATION. VERIFY ALL REQUIREMENTS WITH OWNER.

9.– EXISTING TELEPHONE COMPANY VAULT TO REMAIN.

10.– EXISTING TELEPHONE, COMMUNICATION, AND FIRE ALARM FEEDERS TO REMAIN.

11.– EXISTING TELEPHONE COMPANY FEEDER. CONDUIT DEPTH AND ENCASEMENT TO BE VERIFIED IN FIELD. REROUTE AS REQUIRED. VERIFY ALL REQUIREMENTS WITH OWNER AS WELL AS CIVIL / STRUCTURAL / ARCHITECTURAL DRAWINGS.

12.– PROVIDE (5) WP, GFI, DEDICATED RECEPTACLES FOR FUTURE VENDING MACHINES. HOMERUN TO AVAILABLE CIRCUITS ON EXISTING PANEL "LDA" IN BUILDING D. VERIFY ADDITIONAL REQUIREMENTS WITH OWNER PRIOR TO ROUGH–IN.

13.– EXISTING BUILDING "A" FEEDER. CONDUIT DEPTH AND ENCASEMENT TO BE VERIFIED IN FIELD. REROUTE AROUND NEW BUILDING "C" CONSTRUCTION AREA AS REQUIRED. VERIFY ALL REQUIREMENTS WITH CIVIL / STRUCTURAL / ARCHITECTURAL DRAWINGS. SEE ALSO ELECTRICAL DEMO NOTES, SHEET E0–2.

14.– NEW BUILDING "A" FEEDER. EXISTING FEEDER "A" TO REMAIN IN USE UNTIL NEW FEEDER "A" IS OPERABLE. AT THE TIME NEW FEEDER "A" IS ENERGIZED, EXISTING FEEDER "A" WILL BE DEMOED IN ORDER TO HAVE AS LITTLE DOWN TIME AS POSSIBLE. SEE ALSO NOTE 13 ABOVE FOR ADDITIONAL INFORMATION.

SITE PLAN GENERAL NOTES

ELECTRICAL CONTRACTOR SHALL EXERCISE CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, CONDUITS, ETC. AND SHALL PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN, DETAILED OR INSTALLED BY THIS OR ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONDITIONS BE DISCOVERED. THESE DRAWING AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.

2. REFER TO CIVIL DRAWING AND VISIT THE SITE PRIOR TO BID TO REVIEW THE EXISTING TOPOGRAPHY, LANDSCAPING, HARDSCAPING AND EXISTING CONDITIONS TO BECOME FAMILIAR WITH SLOPE CONDITION, EXISTING CONSTRUCTION AND LANDSCAPING. ADJUST CONDUIT ROUTING INDICATED TO AVOID TREES, RUNNING IN SLOPE CONDITIONS AND DISTURBING EXISTING CONSTRUCTION. SAWCUT EXISTING CONSTRUCTION WHERE REQUIRED FOR CONDUIT AND STRUCTURE INSTALLATION. BREAK, REMOVE AND PATCHBACK TO MATCH EXISTING. REPAIR AND/OR REPLACE ALL SOD, LANDSCAPING, SPRINKLER SYSTEMS, CONDUIT, WIRING, PIPING, ETC. DAMAGED BY ELECTRICAL WORK INSTALLED UNDER THIS CONTRACT. RECONNECT EXISTING SYSTEM TO MAINTAIN THROUGH WIRING AND TO ASSURE EXISTING SYSTEMS ARE COMPLETE AND OPERABLE.

3. FOR CLARITY, JUNCTION/PULL BOXES HAVE NOT BEEN SHOWN ON ROOFS, AND/OR WITHIN BUILDINGS. THE CONTRACTOR SHALL PROVIDE JUNCTION/PULL BOXES AS REQUIRED FOR THE PROPER ROUTING AND DISTRIBUTION OF THE CONDUITS/WIRING. COMPLY WITH APPLICABLE STANDARDS OF THE NATIONAL ELECTRICAL CODE FOR MAXIMUM NUMBER OF BENDS.

4. FOR CLARITY CHANGES IN ELEVATIONS AND IRREGULARITIES IN EXISTING BUILDING CONSTRUCTION HAVE NOT BEEN SHOWN FOR BUILDINGS. THE CONTRACTOR SHALL CAREFULLY REVIEW THE EXISTING CONDITIONS PRIOR TO BID AND PROVIDE WEATHERPROOF CONDULET OUTLET BODIES ON ALL EXPOSED CONDUITS WHERE VERTICAL CHANGES IN DIRECTION ARE REQUIRED.

5. CONTRACTOR SHALL COORDINATE ELECTRICAL INSTALLATION WITH OTHER TRADES. REFER TO THE CONSTRUCTION DOCUMENTS PRIOR TO BID AND INCLUDE ALL COSTS TO COORDINATE CONDUIT AND STRUCTURE INSTALLATION WITH OTHER TRADES.

6. PAINT ALL EXPOSED CONDUITS TO MATCH SURROUNDING SURFACE COLOR.

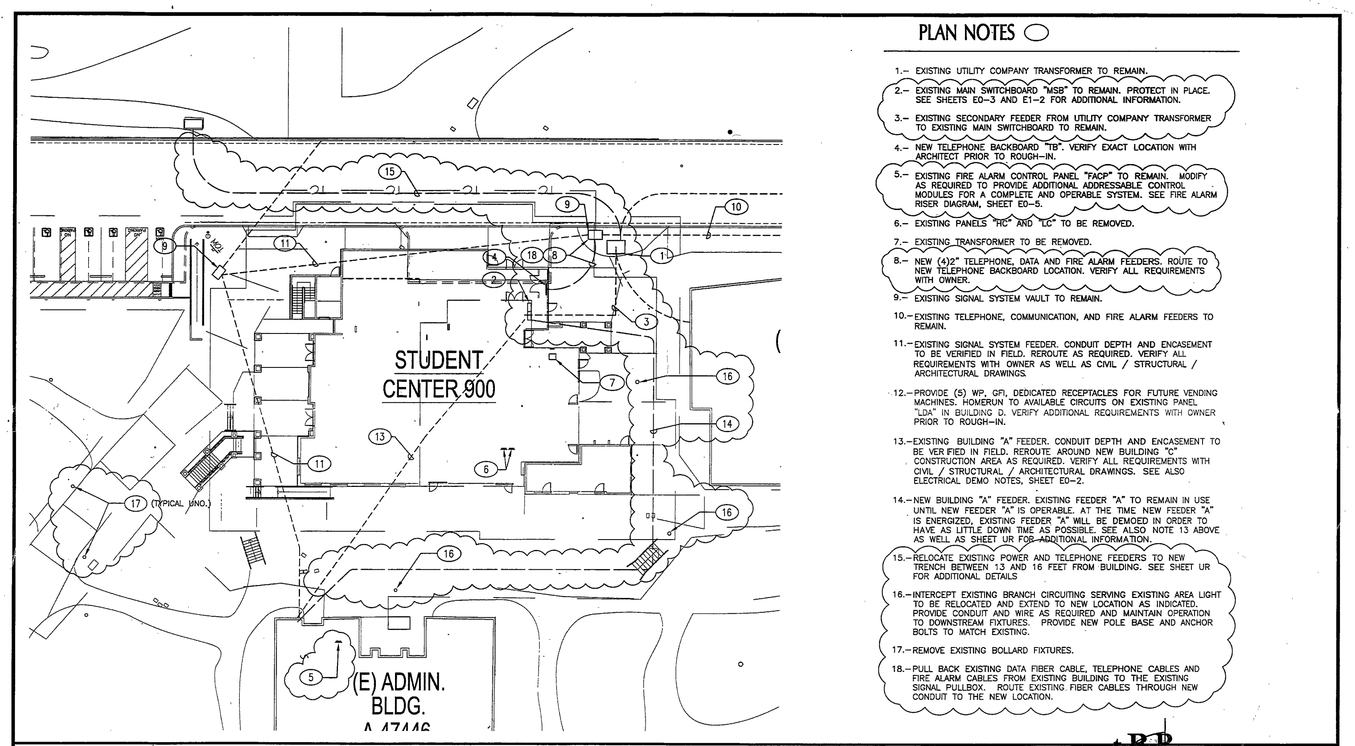
LICENSED ARCHITECT TOM W. MCMURTREY JR. REN. 8-31-08 NO. C6223 STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 714.673.0300 f: 714.673.9267

tBP architecture planning interiors management

ADDENDUM NO.	- 1
DATE:	10/25/06
BSA NO.4	-107979
THIS REVISES IN PART	
SHEET:	ES-0
SHEET:	ER-22



PLAN NOTES

1.– EXISTING UTILITY COMPANY TRANSFORMER TO REMAIN.

2.– EXISTING MAIN SWITCHBOARD "MSB" TO REMAIN. PROTECT IN PLACE. SEE SHEETS E0–3 AND E1–2 FOR ADDITIONAL INFORMATION.

3.– EXISTING SECONDARY FEEDER FROM UTILITY COMPANY TRANSFORMER TO EXISTING MAIN SWITCHBOARD TO REMAIN.

4.– NEW TELEPHONE BACKBOARD "TB". VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH–IN.

5.– EXISTING FIRE ALARM CONTROL PANEL "FACP" TO REMAIN. MODIFY AS REQUIRED TO PROVIDE ADDITIONAL ADDRESSABLE CONTROL MODULES FOR A COMPLETE AND OPERABLE SYSTEM. SEE FIRE ALARM RISER DIAGRAM, SHEET E0–5.

6.– EXISTING PANELS "HC" AND "LC" TO BE REMOVED.

7.– EXISTING TRANSFORMER TO BE REMOVED.

8.– NEW (4)2" TELEPHONE, DATA AND FIRE ALARM FEEDERS. ROUTE TO NEW TELEPHONE BACKBOARD LOCATION. VERIFY ALL REQUIREMENTS WITH OWNER.

9.– EXISTING SIGNAL SYSTEM VAULT TO REMAIN.

10.– EXISTING TELEPHONE, COMMUNICATION, AND FIRE ALARM FEEDERS TO REMAIN.

11.– EXISTING SIGNAL SYSTEM FEEDER. CONDUIT DEPTH AND ENCASEMENT TO BE VERIFIED IN FIELD. REROUTE AS REQUIRED. VERIFY ALL REQUIREMENTS WITH OWNER AS WELL AS CIVIL / STRUCTURAL / ARCHITECTURAL DRAWINGS.

12.– PROVIDE (5) WP, GFI, DEDICATED RECEPTACLES FOR FUTURE VENDING MACHINES. HOMERUN TO AVAILABLE CIRCUITS ON EXISTING PANEL "LDA" IN BUILDING D. VERIFY ADDITIONAL REQUIREMENTS WITH OWNER PRIOR TO ROUGH–IN.

13.– EXISTING BUILDING "A" FEEDER. CONDUIT DEPTH AND ENCASEMENT TO BE VERIFIED IN FIELD. REROUTE AROUND NEW BUILDING "C" CONSTRUCTION AREA AS REQUIRED. VERIFY ALL REQUIREMENTS WITH CIVIL / STRUCTURAL / ARCHITECTURAL DRAWINGS. SEE ALSO ELECTRICAL DEMO NOTES, SHEET E0–2.

14.– NEW BUILDING "A" FEEDER. EXISTING FEEDER "A" TO REMAIN IN USE UNTIL NEW FEEDER "A" IS OPERABLE. AT THE TIME NEW FEEDER "A" IS ENERGIZED, EXISTING FEEDER "A" WILL BE DEMOED IN ORDER TO HAVE AS LITTLE DOWN TIME AS POSSIBLE. SEE ALSO NOTE 13 ABOVE AS WELL AS SHEET UR FOR ADDITIONAL INFORMATION.

15.– RELOCATE EXISTING POWER AND TELEPHONE FEEDERS TO NEW TRENCH BETWEEN 13 AND 16 FEET FROM BUILDING. SEE SHEET UR FOR ADDITIONAL DETAILS

16.– INTERCEPT EXISTING BRANCH CIRCUITING SERVING EXISTING AREA LIGHT TO BE RELOCATED AND EXTEND TO NEW LOCATION AS INDICATED. PROVIDE CONDUIT AND WIRE AS REQUIRED AND MAINTAIN OPERATION TO DOWNSTREAM FIXTURES. PROVIDE NEW POLE BASE AND ANCHOR BOLTS TO MATCH EXISTING.

17.– REMOVE EXISTING BOLLARD FIXTURES.

18.– PULL BACK EXISTING DATA FIBER CABLE, TELEPHONE CABLES AND FIRE ALARM CABLES FROM EXISTING BUILDING TO THE EXISTING SIGNAL PULLBOX. ROUTE EXISTING FIBER CABLES THROUGH NEW CONDUIT TO THE NEW LOCATION.

LICENSED ARCHITECT TOM W. MCMURTREY JR. REN. 8-31-08 NO. C6223 STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

tBP architecture planning interiors management

ADDENDUM NO.	1
DATE:	10/25/06
BSA NO.4	107979
THIS REVISES IN PART SHEET:	ES-0
SHEET:	ER-23

SCALE: 1"=20'
0 10' 20' 40'
north

ELECTRICAL SITE PLAN
SCALE: 1"=20'
1

tBP architecture planning interiors management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Carry Ave.
Santa Ana, CA 92705
Telephone 949–428–8800
Fax 949–428–8805
GLP #115.050

consultant

UNIT OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC. RIS DSA
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca. 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number: 2048.10
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 09/19/06

Rev.	date:	description:

drawing title: ELECTRICAL SITE PLAN
building no:
drawing no: ES-0
drawing 96 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

SYMBOLS LIST

(ALL SYMBOLS NOT NECESSARILY USED ON THESE DRAWINGS)

ALL SYMBOL DESCRIPTIONS ARE SUBJECT TO MODIFICATION AS NOTED ON THE DRAWINGS. VERIFY EXACT LOCATIONS AND HEIGHTS OF OUTLETS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. ALL MOUNTING HEIGHTS ARE TO CENTER OF BOX ABOVE FINISHED FLOOR OR GRADE RESPECTIVELY. THE TERM UNLESS NOTED OTHERWISE APPLIES TO ALL SYMBOLS.

RECESSED, SURFACE OR PENDANT MOUNTED FLUORESCENT LIGHTING FIXTURE, AS INDICATED BY FIXTURE SCHEDULE, ON FLUSH MOUNTED OUTLET BOX.

RECESSED, SURFACE, PENDANT OR CHAIN MOUNTED FLUORESCENT STRIP OR INDUSTRIAL LIGHTING FIXTURE, AS INDICATED BY FIXTURE SCHEDULE, ON FLUSH MOUNTED OUTLET BOX.

RECESSED, SURFACE OR PENDANT MOUNTED LIGHTING FIXTURE, AS INDICATED BY FIXTURE SCHEDULE, ON FLUSH CEILING MOUNTED OUTLET BOX.

SURFACE OR FLUSH MOUNTED LIGHTING FIXTURE, AS INDICATED BY FIXTURE SCHEDULE, ON WALL MOUNTED OUTLET BOX, AT +90".

RECESSED, SURFACE OR PENDANT MOUNTED LIGHTING FIXTURE ON EMERGENCY OR NIGHT LIGHTING CIRCUIT. PROVIDE SEPARATE EMERGENCY BATTERY PACK AS REQUIRED. AS INDICATED BY FIXTURE SCHEDULE.

LIGHTING FIXTURE WITH LAMPS ON NORMAL AND EMERGENCY LIGHTING CIRCUITS. PROVIDE SEPARATE LAMP BALLASTS/ EMERGENCY BATTERY PACKS AS REQUIRED. SHADING INDICATES EMERGENCY FIXTURE. AS INDICATED BY FIXTURE SCHEDULE.

LIGHTING FIXTURE RECESSED MOUNTED WITH OUTLET BOX AND REMOTE MOUNTED JUNCTION BOX CONCEALED ABOVE ACCESSIBLE CEILING. PROVIDE FLEXIBLE CONDUIT CONNECTION, 6 FT. MAXIMUM LENGTH, 1/2" DIAMETER MINIMUM, FROM JUNCTION BOX TO FIXTURE OUTLET. PROVIDE CONDUCTORS IN CONDUIT, QUANTITY AS REQUIRED FOR INDICATED CIRCUITS AND SWITCHING CONTROLS, #12 (AWG) MINIMUM. "ab" INDICATES SWITCHING CONTROL. PROVIDE SEPARATE BALLAST FOR EACH SWITCH LEG.

WALL WASH LIGHTING FIXTURE, RECESS MOUNTED, WITH OUTLET BOX.

LIGHTING BOLLARD AND SUPPORT BASE.

POST TOP LIGHTING STANDARD, POLE MOUNTED LUMINAIRE, POLE AND POLE SUPPORT BASE.

LIGHTING STANDARD WITH SINGLE ARM MOUNTED LUMINAIRE, POLE AND POLE BASE SUPPORT.

LIGHTING STANDARD WITH TWIN ARM MOUNTED LUMINAIRES AT 180 DEGREES, POLE AND POLE SUPPORT BASE.

LIGHTING STANDARD WITH TWIN ARM MOUNTED LUMINAIRES AT 90 DEGREES, POLE AND POLE SUPPORT BASE.

LIGHTING STANDARD WITH TRIPLE ARM MOUNTED LUMINAIRES AT 120 DEGREES, POLE AND POLE SUPPORT BASE.

LIGHTING STANDARD WITH TRIPLE ARM MOUNTED LUMINAIRES AT 90 DEGREES, POLE AND POLE SUPPORT BASE.

LIGHTING STANDARD WITH QUADRUPLE ARM MOUNTED LUMINAIRES AT 90 DEGREES, POLE AND POLE SUPPORT BASE.

UPLIGHT, MOUNTED FLUSH WITH FINISHED GRADE.

FLOODLIGHTING FIXTURE WITH WEATHERPROOF OUTLET BOX.

LIGHTING TRACK WITH FIXTURE(S). CEILING, PENDANT, OR WALL MOUNTED, WITH FLUSH OUTLET BOX.

EXIT SIGN, SINGLE FACE, UNIVERSALLY MOUNTED WITH OUTLET BOX. ARROW(S) INDICATES DIRECTIONAL ARROW(S) ON EXIT SIGN FACE.

EXIT SIGN, DOUBLE FACE, UNIVERSALLY MOUNTED WITH OUTLET BOX.

EXIT SIGN, ON FLUSH WALL MOUNTED OUTLET BOX, AT +90".

WALL/DOOR MOUNTED SELF-LUMINOUS LOW LEVEL EXIT SIGN. THE BOTTOM OF THE SIGN SHALL NOT BE LESS THAN 6" OR MORE THAN 8" ABOVE THE FLOOR LEVEL AND SHALL INDICATE THE PATH OF EXIT TRAVEL. FOR EXIT AND EXIT-ACCESS DOORS, THE SIGN SHALL BE ON THE DOOR OR ADJACENT TO THE DOOR WITH THE CLOSEST EDGE OF THE SIGN OR MARKER WITHIN 4" OF THE DOOR FRAME.

A / 100 — FIXTURE SCHEDULE DESIGNATION, "A" INDICATES FIXTURE TYPE, "100" INDICATES TOTAL FIXTURE VOLT-AMPS.

S2,P / 2a,b — SINGLE POLE TOGGLE SWITCH, ON FLUSH WALL MOUNTED OUTLET BOX, AT +42". INSTALL MULTIPLE SWITCHES UNDER COMMON COVER PLATE. SUBSCRIPT OR SUPERSCRIPT AT SWITCH SYMBOL INDICATES THE FOLLOWING:

2 – DOUBLE POLE
3 – THREE WAY
R – SPOT MOMENTARY CONTACT RELAY SWITCH
T – TWIST TIME, 0-30 MINUTES, U.N.O.
a,b,c,d, ETC. – MULTIPLE SWITCHES WITH IDENTIFICATION OF OUTLET CONTROLLED.
4 – FOUR WAY
P – PILOT LIGHT
M – MOTOR RATED
K – KEY OPERATED
V – VAPOR PROOF

SWITCH FOR CONTROL OF LOW VOLTAGE LIGHTING RELAY(S), ON FLUSH WALL MOUNTED OUTLET BOX +42". INSTALL MULTIPLE SWITCHES UNDER COMMON COVER PLATE.

LIGHTING DIMMER, ON FLUSH WALL MOUNTED OUTLET BOX, AT +42". DIMMERS SHALL BE 2000 WATT, UNLESS NOTED OTHERWISE.

OCCUPANCY MOTION SENSOR ON FLUSH CEILING MOUNTED OUTLET BOX.

OCCUPANCY MOTION SENSOR ON FLUSH WALL MOUNTED OUTLET BOX, AT +42". SUBSCRIPT INDICATES MULTIPLE SWITCHES WITH IDENTIFICATION OF OUTLET CONTROLLED.

COMBINATION OCCUPANCY/INTRUSION DETECTION MOTION SENSOR ON FLUSH CEILING MOUNTED OUTLET BOX.

DUPLEX CONVENIENCE RECEPTACLE VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX, AT +18".

DUPLEX CONVENIENCE RECEPTACLE HORIZONTAL ON FLUSH WALL MOUNTED JUNCTION BOX, AT +6" ABOVE COUNTER SPLASH WHERE SPLASH OCCURS AND +6" ABOVE COUNTER TOP WHERE SPLASH DOES NOT OCCUR.

DOUBLE DUPLEX (FOUR-PLEX) CONVENIENCE RECEPTACLE ON FLUSH MOUNTED OUTLET BOX, AT +18". "C" INDICATES 6" ABOVE COUNTER SPLASH WHERE SPLASH OCCURS AND 6" ABOVE COUNTER WHERE SPLASH DOES NOT OCCUR.

SINGLE RECEPTACLE, NEMA CONFIGURATION PER EQUIPMENT MANUFACTURER REQUIREMENTS, ON FLUSH WALL MOUNTED OUTLET BOX, AT +18".

DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX, AT +18".

DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, HORIZONTAL ON FLUSH WALL MOUNTED OUTLET BOX, AT +6" ABOVE COUNTER SPLASH WHERE SPLASH OCCURS AND AT +6" ABOVE COUNTER WHERE SPLASH DOES NOT OCCUR.

DOUBLE DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX MOUNTED AT +18".

DUPLEX CONVENIENCE RECEPTACLE, WITH INTERNAL GROUND FAULT INTERRUPTER, IN WEATHERPROOF FLUSH WALL MOUNTED ENCLOSURE WITH HINGED DOOR, LOCK AND KEY, AT +18".

DUPLEX CONVENIENCE RECEPTACLE, WITH INTERNAL GROUND FAULT INTERRUPTER, IN WEATHERPROOF ENCLOSURE WITH DIE-CAST ALUMINUM IN-USE COVER, AT +18".

DUPLEX CONVENIENCE RECEPTACLE ON FLUSH, FLOOR MOUNTED OUTLET BOX. "P" INDICATES PEDESTAL TYPE ON FLUSH FLOOR MOUNTED OUTLET BOX.

DOUBLE DUPLEX CONVENIENCE RECEPTACLE ON FLUSH, FLOOR MOUNTED OUTLET BOX. "P" INDICATES PEDESTAL TYPE BACK TO BACK.

DUPLEX CONVENIENCE RECEPTACLE, ON FLUSH CEILING MOUNTED OUTLET BOX.

DUPLEX CONVENIENCE RECEPTACLE WITH ISOLATED GROUND VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX, AT +18".

DOUBLE DUPLEX (FOUR-PLEX) CONVENIENCE RECEPTACLE WITH ISOLATED GROUND ON FLUSH MOUNTED OUTLET BOX, AT +18". "C" INDICATES 6" ABOVE COUNTER SPLASH WHERE SPLASH OCCURS AND 6" ABOVE COUNTER WHERE SPLASH DOES NOT OCCUR.

DUPLEX CONVENIENCE RECEPTACLE WITH ISOLATED GROUND HORIZONTAL ON FLUSH WALL MOUNTED JUNCTION BOX, AT +6" ABOVE COUNTER SPLASH WHERE SPLASH OCCURS AND +6" ABOVE COUNTER TOP WHERE SPLASH DOES NOT OCCUR.

SURFACE MULTI-OUTLET RACEWAY WITH DEVICES IN RACEWAY AS INDICATED, ON FLUSH WALL MOUNTED OUTLET BOX AT +18", AT +6" ABOVE COUNTER SPLASH WHERE SPLASH OCCURS AND AT +6" ABOVE COUNTER WHERE SPLASH DOES NOT OCCUR. WHERE SURFACE MULTI-OUTLET RACEWAY IS INDICATED ON BOTH THE POWER AND SIGNAL PLANS, WITH DEVICES, RACEWAY SHALL BE A COMMON, MULTI COMPARTMENT RACEWAY WITH SEPARATE COMPARTMENTS FOR POWER AND SIGNAL SYSTEMS.

DENOTES RACEWAY STUB.

JUNCTION BOX, FLUSH WALL MOUNTED, AT +18".

JUNCTION BOX CONCEALED IN ACCESSIBLE CEILING SPACE.

INDICATES CONNECTION TO EQUIPMENT AS REQUIRED. PROVIDE FLEXIBLE CONDUIT CONNECTION, 6 FT. MAXIMUM LENGTH FROM JUNCTION BOX TO EQUIPMENT. SIZE CONDUIT AND CONDUCTORS ACCORDING TO EQUIPMENT REQUIREMENTS.

JUNCTION BOX, FLUSH IN FLOOR MOUNTED OUTLET BOX.

2'x4' FIXTURE WITH PARABOLIC LOUVERS AS SPECIFIED ON FIXTURE SCHEDULE.

2'x4' FIXTURE WITH ACRYLIC LENS AS SPECIFIED ON FIXTURE SCHEDULE.

THERMOSTAT ON FLUSH WALL MOUNTED OUTLET BOX. REFER TO MECHANICAL DRAWINGS FOR HEIGHT, LOCATION, CONDUIT AND CONTROL WIRING REQUIREMENTS.

PANELBOARD, LINE INDICATES PANEL FRONT. REFER TO PANEL SCHEDULE FOR MOUNTING REQUIREMENTS.

TERMINAL CABINET OR EQUIPMENT CABINET. LINE INDICATES CABINET FRONT.

SWITCHGEAR.

T — TRANSFORMER.

CIRCUIT BREAKER STATIONARY (NON-DRAWOUT).

FUSIBLE SWITCH AND FUSE DEVICE. STATIONARY SWITCH (NON-DRAWOUT) REMOVABLE FUSES.

GFCI — CIRCUIT BREAKER WITH ZERO SEQUENCE GROUND FAULT RELAY SYSTEM.

TRANSFORMER. kVA, LINE AND LOAD VOLTAGE RATINGS AS INDICATED.

NF — FUSED SAFETY SWITCH (DISCONNECT), HORSE POWER RATED. MOUNT ON WALL, AT +42", OR ON EQUIPMENT, AT +36". PROVIDE SWITCH AND FUSES SIZED PER EQUIPMENT MANUFACTURER'S REQUIREMENTS. "NF" INDICATES NON-FUSED.

NF — EQUIPMENT CONNECTION. PROVIDE FUSED SAFETY SWITCH (DISCONNECT), HORSE POWER RATED, WALL MOUNTED, AT +42", OR EQUIPMENT MOUNTED, AT +36". PROVIDE SWITCH AND FUSES SIZED PER EQUIPMENT MANUFACTURER'S REQUIREMENTS. "NF" INDICATES NON-FUSED.

(3) — MAGNETIC MOTOR STARTER. NUMBER INDICATES NEMA SIZE "3". SIZE PER EQUIPMENT MANUFACTURER'S REQUIREMENTS.

(3) — COMBINATION MAGNETIC MOTOR STARTER AND FUSED SAFETY SWITCH. NUMBER INDICATES NEMA SIZE "3". SIZE PER EQUIPMENT MANUFACTURER'S REQUIREMENTS.

MOTORIZED DAMPER.

PUSH BUTTON STATION WITH "STOP-START" PUSH BUTTONS AND RED INDICATING PILOT LIGHT ON FLUSH WALL MOUNTED OUTLET BOX, AT +42".

CONDUIT, INSTALLED CONCEALED WITH SEPARATE GROUND CONDUCTOR.

- 3/4"C.-2#12, 1#12GRD.
- 3/4"C.-3#12, 1#12GRD.
- 3/4"C.-4#12, 1#12GRD.
- 3/4"C.-5#12, 1#12GRD.
- 3/4"C.-6#12, 1#12GRD.

CONDUIT, INSTALLED CONCEALED IN OR UNDER FLOOR OR BELOW GRADE, 3/4" CONDUIT MINIMUM.

CONDUIT, INSTALLED EXPOSED.

UNDERGROUND CONDUIT STUB UP, STUB 5'-0" FROM BUILDING, CONCRETE OR ASPHALT. CAP, MARK AND RECORD.

UNDERFLOOR DUCT RACEWAY WITH THREE SEPARATE RACEWAYS AND FLUSH FLOOR JUNCTION BOX.

DOUBLE UNDERFLOOR DUCT RACEWAYS AND FLOOR JUNCTION BOX.

SINGLE UNDERFLOOR DUCT RACEWAYS AND FLOOR JUNCTION BOX.

INDICATES FLOOR DUCT RACEWAY MOUNTED OUTLETS, TYPE AS INDICATED BY SYMBOL.

CONDUIT HOMERUN INSTALLED CONCEALED TO PANEL "A", CIRCUITS 1, 3, & 5 WITH COMMON NEUTRAL AND SEPARATE GROUND CONDUCTOR. A-1,3,5

- 3/4"C.-2#10, 1#10GRD.
- 3/4"C.-3#10, 1#10GRD.
- 3/4"C.-4#10, 1#10GRD.
- 3/4"C.-5#10, 1#10GRD.
- 3/4"C.-6#10, 1#10GRD.

EXISTING CONDUIT/RACEWAY TO REMAIN.

EF / 1 — MECHANICAL/PLUMBING EQUIPMENT CALLOUT. REFER TO MECHANICAL/PLUMBING DRAWINGS AND SPECIFICATIONS FOR EXACT LOCATIONS AND REQUIREMENTS OF EQUIPMENT.

+42" — MOUNTING HEIGHT TO CENTER LINE OF DEVICE FROM FINISHED FLOOR OR FINISHED GRADE.

1 — PLAN NOTE CALLOUT. REFER TO CORRESPONDING NOTE ON DRAWING WHERE CALLOUT OCCURS.

1 — DEMOLITION PLAN NOTE CALLOUT. REFER TO CORRESPONDING NOTE ON DRAWING WHERE CALLOUT OCCURS.

WYE CONFIGURATION.

"Z1" — ZONE, "1" INDICATES ZONE #1.

CONNECT TO SOLID GROUND REFERENCE POINT.

DELTA CONFIGURATION.

C / E-2 — DETAIL CALLOUT, "C" INDICATES DETAIL, "E-2" INDICATES DRAWING WHERE DETAIL OCCURS.

P1 / E-2 — EQUIPMENT REFERENCE, "P1" INDICATES EQUIPMENT NAME, "E-2" INDICATES DRAWING WHERE EQUIPMENT IS FURTHER DETAILED.

2 — KITCHEN OR FOOD SERVICE EQUIPMENT CALLOUT. REFER TO FOOD SERVICE DRAWINGS FOR CORRESPONDING CALLOUT AND EQUIPMENT SCHEDULE INDICATING MOUNTING HEIGHTS, LOCATIONS AND ELECTRICAL REQUIREMENTS.

E — EXISTING EQUIPMENT OR DEVICE TO REMAIN.

R — EXISTING EQUIPMENT OR DEVICE AND ASSOCIATED CONDUIT, CONDUCTORS/CABLING TO BE REMOVED. PROVIDE CONDUIT AND WIRING AS REQUIRED TO MAINTAIN A COMPLETE AND OPERABLE OPERATION OF REMAINING DOWNSTREAM DEVICES/EQUIPMENT.

ER — EXISING EQUIPMENT OR DEVICE TO BE RELOCATED.

EN — EXISTING EQUIPMENT OR DEVICE IN NEW LOCATION.

GROUND BUS WITH MULTIPLE TERMINAL LUGS MOUNTED AT +18" ABOVE FINISHED FLOOR.

P — TELEPHONE OUTLET, ON FLUSH FLOOR MOUNTED OUTLET BOX. "P" INDICATES PEDESTAL TYPE.

C — TELEPHONE/INTERCOM OUTLET WITH HANDSET, ON FLUSH WALL MOUNTED OUTLET BOX, AT +18". SUBSCRIPT OR SUPERSCRIPT AT SIGNAL SYMBOLS INDICATES THE FOLLOWING: "C" INDICATES OUTLET HORIZONTAL IN FLUSH WALL MOUNTED OUTLET BOX, AT +6" ABOVE COUNTER SPLASH WHERE SPLASH OCCURS; "W" – OUTLET ON FLUSH WALL MOUNTED OUTLET BOX, AT +42".

CLOCK OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX, AT +90", WITH CLOCK.

COMBINATION CLOCK/SPEAKER ON FLUSH WALL MOUNTED BACKBOX, AT +90".

PUSH-BUTTON STATION, RED, MUSHROOM TYPE ON FLUSH WALL MOUNTED OUTLET BOX, AT +42".

SPEAKER, BACKBOX AND GRILLE, CEILING MOUNTED OUTLET BOX.

SPEAKER, BACKBOX AND GRILLE, WALL MOUNTED, AT +90".

LONG THROW SPEAKER, VANDAL RESISTANT CAGE AND BACKBOX, WALL MOUNTED, AT +90".

TELEVISION OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX, AT +84".

TELEVISION OUTLET, ON FLUSH FLOOR MOUNTED OUTLET BOX. "P" INDICATES PEDESTAL TYPE.

TELEVISION OUTLET, ON FLUSH CEILING MOUNTED OUTLET BOX.

AUDIO/VISUAL OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX, AT +18".

DATA OUTLET WITH ONE JACK PORT ON FLUSH FLOOR MOUNTED BOX. "P" INDICATES PEDESTAL TYPE.

C — DATA OUTLET WITH ONE JACK PORT, ON FLUSH WALL MOUNTED OUTLET BOX, AT +18". "C" INDICATES HORIZONTAL IN FLUSH WALL MOUNTED OUTLET BOX, AT 6" ABOVE COUNTER SPLASH WHERE SPLASH OCCURS, AND AT 6" ABOVE COUNTER WHERE SPLASH DOES NOT OCCUR.

P — DATA OUTLET WITH TWO JACK PORTS, ON FLUSH WALL MOUNTED OUTLET BOX, AT +18". "C" INDICATES HORIZONTAL IN FLUSH WALL MOUNTED OUTLET BOX, AT +6" ABOVE COUNTER SPLASH WHERE SPLASH OCCURS AND AT +6" ABOVE COUNTER WHERE SPLASH DOES NOT OCCUR.

P — DATA OUTLET WITH TWO JACK PORTS, ON FLUSH FLOOR MOUNTED BOX. "P" INDICATES PEDESTAL TYPE.

CLASS PASSING BELL, ON FLUSH WALL MOUNTED OUTLET BOX, AT +90".

MICROPHONE OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX, AT +18".

P — MICROPHONE OUTLET, ON FLUSH FLOOR MOUNTED OUTLET BOX. "P" INDICATES PEDESTAL TYPE.

MICROPHONE OUTLET, ON FLUSH CEILING MOUNTED OUTLET BOX.

PROJECTOR OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX, AT +18".

PROJECTOR OUTLET, ON FLUSH CEILING MOUNTED OUTLET BOX.

P — PROJECTOR OUTLET, ON FLUSH FLOOR MOUNTED OUTLET BOX. "P" INDICATES PEDESTAL TYPE.

ASSISTIVE LISTENING SYSTEM EMITTER, SURFACE MOUNTED ON FLUSH MOUNTED OUTLET BOX. MOUNTING HEIGHT AS INDICATED ON DRAWINGS.

INTRUSION DETECTION SYSTEM KEYPAD, ON FLUSH WALL MOUNTED OUTLET BOX, AT +42".

INTRUSION DETECTION MOTION SENSOR, ON FLUSH WALL MOUNTED OUTLET BOX, AT +90".

INTRUSION DETECTION SYSTEM MOTION SENSOR, ON FLUSH CEILING MOUNTED OUTLET BOX.

INTRUSION DETECTION SYSTEM DOOR CONTACTS. COORDINATE INSTALLATION WITH DOOR CONTRACTOR.

—M— MICROPHONE SYSTEM – 3/4"C. WITH CABLING AS SPECIFIED.
- M1 – 3/4"C. WITH ONE (1) CABLE AS SPECIFIED.
- M2 – 3/4"C. WITH TWO (2) CABLES AS SPECIFIED.
- M3 – 3/4"C. WITH THREE (3) CABLES AS SPECIFIED.
- M4 – 3/4"C. WITH FOUR (4) CABLES AS SPECIFIED.

—F— FIRE ALARM SYSTEM – 3/4" CONDUIT WITH FIRE ALARM SYSTEM CONDUCTORS AS SPECIFIED.

—T— TELEPHONE SYSTEM – 3/4"C. WITH CABLING AS SPECIFIED.
- T1 – 3/4"C. WITH ONE (1) CABLE AS SPECIFIED.
- T2 – 3/4"C. WITH TWO (2) CABLES AS SPECIFIED.
- T3 – 1"C. WITH THREE (3) CABLES AS SPECIFIED.
- T4 – 1"C. WITH FOUR (4) CABLES AS SPECIFIED.

—C— CLOCK SYSTEM – 3/4"C. WITH CLOCK SYSTEM CABLING/CONDUCTORS AS SPECIFIED.

—TV— TELEVISION SYSTEM – 1"C. WITH TELEVISION SYSTEM CABLING AS SPECIFIED.

—ID— INTRUSIO —ID— SECURITY SYSTEM SYSTEM – 3/4"C.O. SYSTEM CABLING AS SPECIFIED.

—PA— PUBLIC ADDRESS SYSTEM – 3/4"C. WITH PUBLIC ADDRESS SYSTEM CABLING AS SPECIFIED.
- P1 – 3/4"C. WITH CABLING ONE (1) ZONE AS SPECIFIED.
- P2 – 3/4"C. WITH CABLING TWO (2) ZONES AS SPECIFIED.
- P3 – 3/4"C. WITH CABLING THREE (3) ZONES AS SPECIFIED.
- P4 – 1"C. WITH CABLING FOUR (4) ZONES AS SPECIFIED.

—D— DATA SYSTEM – 3/4"C. WITH DATA SYSTEM CABLES AS SPECIFIED.
- D1 – 3/4"C. WITH ONE (1) CABLE AS SPECIFIED.
- D2 – 3/4"C. WITH TWO (2) CABLES AS SPECIFIED.
- D3 – 3/4"C. WITH THREE (3) CABLES AS SPECIFIED.
- D4 – 1"C. WITH FOUR (4) CABLES AS SPECIFIED.
- D5 – 1"C. WITH FIVE (5) CABLES AS SPECIFIED.
- D6 – 1-1/4"C. WITH SIX (6) CABLES AS SPECIFIED.

—TC— TELECOMMUNICATION SYSTEM – 3/4"C. WITH TELECOMMUNICATION SYSTEM CABLES AS SPECIFIED.
- TC1 – 3/4"C. WITH ONE (1) CABLE AS SPECIFIED.
- TC2 – 1"C. WITH TWO (2) CABLES AS SPECIFIED.
- TC3 – 1"C. WITH THREE (3) CABLES AS SPECIFIED.
- TC4 – 1-1/4"C. WITH FOUR (4) CABLES AS SPECIFIED.

—AV— PROJECTION SYSTEM – 1-1/4"C. WITH PULL STRING.

INTRUSION DETECTION AUDIO SENSOR, ON FLUSH WALL MOUNTED OUTLET BOX, AT +90".

INTRUSION DETECTION SYSTEM AUDIO SENSOR, ON FLUSH CEILING MOUNTED OUTLET BOX.

ABBREVIATIONS:

A, AMP	AMPERE(S)	LTG	LIGHTING
AF	AMP FUSE	LV	LOW VOLTAGE
AFF	ABOVE FINISHED FLOOR	MCA	MINIMUM CIRCUIT AMPS
AFG	ABOVE FINISHED GRADE	MCB	MAIN CIRCUIT BREAKER
AIC	AMPERES INTERRUPTING CIRCUIT	MCC	MOTOR CONTROL CENTER
AS	AMP SWITCH	MCM	THOUSAND CIRCULAR MILS
AWG	AMERICAN WIRE GAUGE	MDP	MAIN DISTRIBUTION PANEL
BKBD	BACKBOARD	MFR	MANUFACTURER
BLDG	BUILDING	MH	METAL HALIDE
C	CONDUIT	MLO	MAIN LUGS ONLY
C.B.	CIRCUIT BREAKER	MSB	MAIN SWITCHBOARD
CD	CANDELA(S)	MTD	MOUNTED
CEC	CALIFORNIA ENERGY CODE	NC	NORMALLY CLOSED
CF	COMPACT FLUORESCENT	NEC	NATIONAL ELECTRICAL CODE
CKT.	CIRCUIT	NF	NON-FUSED
CLG.	CEILING	N.F.P.A.	NATIONAL FIRE PROTECTION AGENCY
C.O.	CONDUIT ONLY	NIC	NOT IN CONTRACT
CONN.	CONNECTED	NL	NIGHT LIGHT
C.S.F.M.	CALIFORNIA STATE FIRE MARSHAL	NO	NORMALLY OPEN
CT	CURRENT TRANSFORMER	NTS	NOT TO SCALE
DIA.	DIAMETER	O.C.	ON CENTER
E	EXISTING	OFCI	OWNER-FURNISHED, CONTRACTOR INSTALLED
E.C.	ELECTRICAL CONTRACTOR	PA	PUBLIC ADDRESS
EF	EXHAUST FAN	PC	PHOTOCELL CONTROLLED
ELEC.	ELECTRICAL	PH/Ø	PHASE
EM	EMERGENCY	P.O.C.	POINT OF CONNECTION
EMS	ENERGY MANAGEMENT SYSTEM	POS	POINT OF SALE
EMT	ELECTRICAL METALLIC TUBING	PROVIDE	FURNISH, INSTALL AND CONNECT
EOLR	END OF LINE RESISTOR	R	RELAY
EPO	EMERGENCY POWER OFF	RGS	RIGID GALVANIZED STEEL
F	FUSE	SCE	SOUTHERN CALIFORNIA EDISON
FACP	FIRE ALARM CONTROL PANEL	SWBD	SWITCHBOARD
FLA	FULL LOAD AMPS	TELCO	TELEPHONE COMPANY
G.C.	GENERAL CONTRACTOR	TV	TELEVISION
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TYP.	TYPICAL
GFP	GROUND FAULT PROTECTION	UGPS	UNDERGROUND PULL SECTION
GND, GRD	GROUND	UNO	UNLESS NOTED OTHERWISE
HOA	HAND-OFF-AUTO	UPS	UNINTERRUPTIBLE POWER SOURCE
HID	HIGH INTENSITY DISCHARGE	V.	VOLT(S)
HP	HORSEPOWER	VA	VOLT-AMP(S)
HPS	HIGH PRESSURE SODIUM	V.D.	VOLTAGE DROP
IG	ISOLATED GROUND	V.L.	VERIFY LOCATION
J-BOX	JUNCTION BOX	W	WATT(S)
KAIC	THOUSAND AMPERES INTERRUPTING CURRENT	WP	WEATHERPROOF
KCMIL	THOUSAND CIRCULAR MILS	WT	WATER TIGHT
KEC	KITCHEN EQUIPMENT CONTRACTOR	XFMR	TRANSFORMER
KVA	KILOVOLT-AMPS	1P	SINGLE POLE
KW	KILOWATT(S)	2P	DOUBLE POLE
LCL	LONG CONTINUOUS LOAD	3P	THREE POLE
LO	LUGS ONLY	#	NUMBER
LPS	LOW PRESSURE SODIUM		

REFER TO FIRE ALARM SYMBOL LEGEND FOR ADDITIONAL SYMBOLS AND REQUIREMENTS

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph. 949.673.0300 fx. 949.673.9267
architect

GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805
GLP #115.050
consultant

IDENTIFICATION STAMP
ONLY OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC ELEC RS SS Div
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007
owner

tBP project number : 2048.10
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 04/19/06

rev:	date:	description:

drawing title: SYMBOLS LIST
building no:

drawing no: E0-1
drawing 97 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

FIXTURE SCHEDULE

TYPE	DESCRIPTION	TOTAL WATTS	LAMP QUAN	LAMP WATTS	LAMP TYPE	MOUNTING
D	COMPACT FLUORESCENT DOWNLIGHT WITH NOMINAL 6" APERTURE, VERTICAL LAMP, SELF FLANGED ONE PIECE SPUN LOW IRIDESCENT ALZAK REFLECTOR WITH 55 DEGREE CUTOFF, DIE-CAST SOCKET CAP AND UL LISTED FOR FEED THRU WIRING. PORTFOLIO #C6032 SERIES OR EQUIVALENT	40	1	32	COMPACT FLUOR. TRIPLE TUBE 3500°K	RECESSED
E	DIE-CAST ALUMINUM LED EXIT SIGN WITH BLACK HOUSING & BRUSHED ALUMINUM FACE; HINGED AND LATCHED BRUSHED ALUMINUM STENCIL FACE PLATE(S); RED LETTERS; SINGLE OR DOUBLE FACE PANELS AND DIRECTIONAL ARROW(S) AS REQUIRED PER FIELD CONDITIONS; TAMPER PROOF SCREWS; UNIVERSAL MOUNTING; WITH 90 MINUTE, 1100 LUMEN EMERGENCY BATTERY PACK. SURE-LITES #CX SERIES; McPHILBEN #ER30VL SERIES; LIGHTOLIER #LD SERIES; LITHONIA #LE-EL-N-SD SERIES OR EQUIVALENT	14	1	14	LED	UNIVERSAL
F	WALL MOUNT ROUND SURFACE MOUNTED COMPACT FLUORESCENT FIXTURE WITH DIE-CAST ALUMINUM BODY, .200" THICK UV STABILIZED OPAL POLYCARBONATE LENS, POLISHED CHROME TRIM FLANGE AND ELECTRONIC BALLAST. U.L. LISTED FOR WET LOCATIONS. DESIGNPLAN "ZERO" #ZRO-8-85 SERIES OR EQUIVALENT	30	1	28	COMPACT FLUOR. 28W 2D 3500°K	SURFACE
G	COMPACT FLUORESCENT PENDANT DECORATIVE FIXTURE WITH EXTRUDED ALUMINUM HOUSING, NOMINAL 12" APERTURE, ALUMINUM REFLECTOR, DUAL BALLAST, DARK GRAY FINISH, FLAT ACRYLIC LENS, GLASS DECO DISK AND MATCHING DARK GRAY STEM. LIGHTOLIER PENDALYTE SERIES OR EQUIVALENT REF #70	90	2	42	COMPACT FLUOR. TRIPLE TUBE 3500°K	CABLE; VERIFY MOUNTING HEIGHT WITH ARCHITECT
GE	SAME AS FIXTURE TYPE "G" EXCEPT WITH 90 MINUTE, 1100 LUMEN BATTERY PACK.	90	2	42	COMPACT FLUOR. TRIPLE TUBE	PENDANT
H	2'x4' FLUORESCENT FIXTURE WITH NOMINAL 4 1/2" DEEP STEEL HOUSING, PAINTED AFTER FABRICATION, WHITE FINISH, FLUSH WHITE STEEL DOOR FRAME WITH MITERED CORNERS, SPRING LOADED LATCHES, 0.125" #12 PATTERN ACRYLIC PRISMATIC LENS, TRIM TYPE AS REQUIRED FOR CEILING CONDITIONS AND ELECTRONIC BALLAST. LITHONIA #2SP8-3-32-A12-GEB	91	3	32	T8 3500°K	RECESSED
HE	SAME AS TYPE "H" EXCEPT WITH 90 MINUTE, 1100 LUMEN EMERGENCY BATTERY PACK.					
HR	SAME AS TYPE "H" EXCEPT WITH REVERSED LENS FOR FOOD PREPARATION AREAS.					
HRE	SAME AS TYPE "H" EXCEPT WITH REVERSED LENS FOR FOOD PREPARATION AREAS AND 90 MINUTE, 1100 LUMEN EMERGENCY BATTERY PACK.					
J	RECTILINEAR COMPACT FLUORESCENT STEP LIGHT WITH DIE-CAST ALUMINUM HOUSING AND FACEPLATE, DIFFUSE GLASS LENS TAMPERPROOF HARDWARE, WET LOCATION LISTED AND NATURAL ALUMINUM FINISH. GARDCO #940 SERIES OR EQUIVALENT.	20	1	13	QUAD 3500°K	RECESSED
K	LOW PRESSURE SODIUM, POLE LIGHT LUMINAIRE WITH ALUMINUM HOUSING, 10' STRAIGHT ALUMINUM POLE. FINISH TO MATCH EXISTING ON SITE. REF #71 - Textured Dark Bronze Finish SPAULDING #DL3-ST-135-F	45	1	35	LOW PRESSURE SODIUM	POLE, SEE DETAIL 1 THIS SHEET

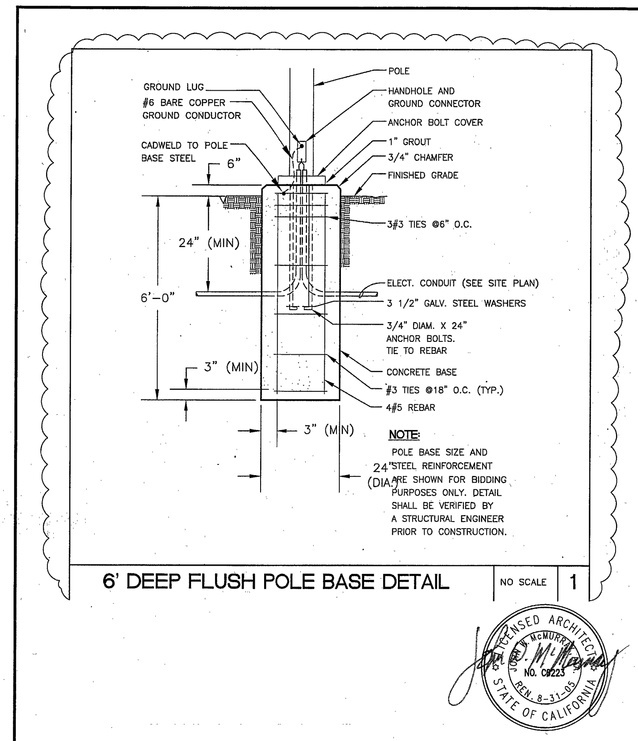
LICENSED ARCHITECT
STEPHEN MEMBRENO
No. C27221
EXP. 8-31-07
STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 714.673.0300 f: 714.673.9267

tBP architecture planning interior management

ADDENDUM NO.	4
DATE:	11/13/06
DSA NO.:	4-107979
THIS REVISES IN PART:	
SHEET:	EP-2
SHEET:	ER-4



NOTE:
POLE BASE SIZE AND STEEL REINFORCEMENT ARE SHOWN FOR BIDDING PURPOSES ONLY. DETAIL SHALL BE VERIFIED BY A STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.

6' DEEP FLUSH POLE BASE DETAIL

NO SCALE | 1

LICENSED ARCHITECT
STEPHEN MEMBRENO
No. C27221
EXP. 8-31-07
STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 714.673.0300 f: 714.673.9267

tBP architecture planning interior management

ADDENDUM NO.	4
DATE:	11/13/06
DSA NO.:	4-107979
THIS REVISES IN PART:	
SHEET:	EO-2
SHEET:	ER-5

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

ELEC DEMO NOTES

REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR BUILDINGS AND AREAS BEING DEMOLISHED. REFER TO CIVIL DRAWINGS FOR EXISTING UTILITIES. THE SCOPE OF THE DEMOLITION WORK SHALL INCLUDE ALL LABOR, MATERIALS, SERVICES AND EQUIPMENT REQUIRED FOR THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT. VERIFY ALL SPECIFIC DEMOLITION WORK PRIOR TO COMMENCING. THIS WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:

1. ALL EXISTING ELECTRICAL AT THE BUILDING BEING DEMOLISHED SHALL BE REMOVED UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO PLANS FOR SPECIFIC DEMOLITION REQUIREMENTS.
2. IF ANY POWER AND SIGNAL CONDUITS ROUTED THROUGH THE DEMO PORTION ARE DISRUPTED AND FEED AREAS AND/OR EQUIPMENT TO REMAIN, PROVIDE CONDUIT AND WIRING AS REQUIRED TO RESTORE CONTINUITY OF THE EXISTING FEEDER. UPON REMOVAL OF EXISTING ELECTRICAL DEVICES (EQUIPMENT, FIXTURES, ETC.), PROVIDE CONDUIT AND WIRING AS REQUIRED TO MAINTAIN OPERATION OF DEVICES TO REMAIN.
3. PROVIDE BLANK COVERS OR PLATES FOR OUTLETS WHERE FIXTURES OR DEVICES ARE REMOVED UNDER THIS CONTRACT. PRIME BLANK PLATES FOR CEILING OUTLETS AND PAINT TO MATCH SURROUNDING AREA.
4. ALL EXISTING WIRE FEEDING ELECTRICAL BEING DEMOLISHED SHALL BE REMOVED FROM CONDUIT.
5. ALL EXISTING CONDUIT, THAT INTERFERES WITH ANY NEW CONSTRUCTION SHALL BE CUT BACK AS REQUIRED TO CLEAR FOR NEW CONSTRUCTION.
6. ALL CONDUITS RISING FROM BELOW GRADE TO AREAS WHERE CONSTRUCTION ENTITIES ARE INDICATED AS BEING REMOVED SHALL BE CUT TO BELOW FINISH FLOOR, CAPPED, AND ABANDONED.
7. REFER TO STRUCTURAL DRAWINGS WHEN PERFORMING CUTTING AND PATCHING OF THE CONSTRUCTION WORK WHICH MAY BE REQUIRED FOR THE PROPER INSTALLATION OF ELECTRICAL WORK OR REMOVAL OF EXISTING ELECTRICAL EQUIPMENT. PATCHING SHALL BE OF THE SAME MATERIALS, WORKMANSHIP AND FINISH TO ACCURATELY MATCH SURROUNDING WORK TO THE SATISFACTION OF THE ARCHITECT.
8. ALL REMOVED MATERIALS AND EQUIPMENT WHICH, IN THE OPINION OF THE ARCHITECT, ARE SALVAGEABLE SHALL REMAIN THE PROPERTY OF THE OWNER. DELIVER SUCH SALVAGED MATERIALS AND EQUIPMENT ON PREMISES AS DIRECTED, AND NEATLY PILE OR STORE THEM AND PROTECT FROM DAMAGE. WHERE MATERIALS AND EQUIPMENT HAS BEEN REMOVED AND NOT REPLACED THE EXPOSED SURFACE BEHIND MATERIAL OR EQUIPMENT SHALL BE PAINTED TO MATCH SURROUNDING SURFACES. DO NOT REUSE MATERIALS AND EQUIPMENT, UNLESS SPECIFICALLY INDICATED ON PLANS OR SPECIFIED. REMOVE FROM PREMISES AND DISPOSE OF ALL MATERIALS CONSIDERED BY ARCHITECT TO BE SCRAP.
9. ALL ELECTRICAL AND SIGNAL IN ALL OCCUPIED FACILITIES OF THE CAMPUS ARE TO REMAIN OPERATIONAL DURING THE ENTIRE CONTRACT PERIOD. ANY INTERRUPTION OF THE ELECTRICAL POWER OR SIGNAL SYSTEMS FOR THE PERFORMANCE OF THIS WORK SHALL BE AT THE CONVENIENCE OF THE DISTRICT AND PERFORMED ONLY AFTER CONSULTATION WITH THE DISTRICT. WORK INVOLVING OUTAGES SHALL BE ONLY AT SUCH A TIME AND OF SUCH DURATION AS APPROVED IN WRITING. WORK INVOLVING OUTAGES FOR THE WORK REQUIRED TO CONNECT NEW EQUIPMENT AND DISCONNECT EXISTING EQUIPMENT SHALL BE PERFORMED AT THE CONVENIENCE OF THE DISTRICT.
10. PROVIDE OVERTIME WORK; DOUBLE SHIFT WORK; NIGHTTIME WORK; SATURDAY, SUNDAY, AND HOLIDAY WORK TO MEET PHASING SCHEDULE.
11. WHEN WORK INVOLVING POWER AND/OR SIGNAL SYSTEM DISRUPTIONS TO EXISTING AREAS IS INITIATED, THE WORK SHALL PROCEED ON A CONTINUOUS BASIS WITHOUT STOPPING UNTIL SYSTEMS ARE RESTORED TO THE AFFECTED AREAS.
12. THE CONTRACTOR SHALL REQUEST IN WRITING TO THE DISTRICT A MINIMUM OF THREE WEEKS IN ADVANCE, FOR ANY PROPOSED ELECTRICAL OR SIGNAL SYSTEM OUTAGE.
13. REFER TO THE DRAWINGS AND SHOP DRAWINGS OF OTHER TRADES FOR ADDITIONAL DEMOLITION REQUIREMENTS THAT AFFECT THE PROPER INSTALLATION OF THIS WORK. DIAGRAMS AND SYMBOLS SHOWING ELECTRICAL CONNECTIONS ARE DIAGRAMMATIC ONLY. WIRING DIAGRAMS DO NOT NECESSARILY SHOW THE EXACT PHYSICAL ARRANGEMENT OF THE EQUIPMENT.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISITS THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL FEATURES OF THE BUILDING AND SITE, WHICH MAY AFFECT THE PROPER PERFORMANCE OF THIS WORK.
15. EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING UNDERGROUND UTILITIES, AND TO PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY, WHICH IS THE RESPONSIBILITY OF THE CONTRACTOR.
16. UNDERGROUND DETECTION SERVICES:
    a. SERVICES SHALL BE PROVIDED UTILIZING THE LATEST DETECTION EQUIPMENT AVAILABLE. SERVICES AVAILABLE FROM UNDERGROUND TECHNOLOGY INCORPORATED, (800)366-7801. SERVICES SHALL BE PERFORMED BY A COMPANY REGULARLY ENGAGED IN THE BUSINESS OF UNDERGROUND DETECTION FOR THE PAST FIVE YEARS.
    b. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES, WHERE SHOWN ON DRAWINGS, ARE SHOWN DIAGRAMMATICALLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE DISTRICT OR ITS REPRESENTATIVE. THE ARCHITECT AND HIS CONSULTING ENGINEERS ARE NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES, WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED UNDER THIS OR ANY OTHER CONTRACTS.
17. SCHEDULE: SUBMIT PROPOSED OUTAGE SCHEDULE.
18. FOR CLARITY, MISCELLANEOUS EQUIPMENT AND RACEWAYS NOT RELATED TO PROJECT ARE NOT SHOWN.
19. IMMEDIATELY NOTIFY THE ON-SITE INSPECTOR AND DISTRICT OF ANY DAMAGE TO NEW OR EXISTING WORK.
20. REPAIR/REPLACE ALL DAMAGED OR DEFECTIVE WORK, MATERIALS AND EQUIPMENT TO THE ARCHITECTS SATISFACTION.
21. REMOVE ALL EXPOSED CONDUIT, WIRE OUTLETS, DISCONNECT SWITCHES AND ELECTRICAL MOUNTING HARDWARE FOR EQUIPMENT REMOVED.

GENERAL NOTES

A. SINGLE LINE DIAGRAM:

1. FEEDERS ARE SIZED FOR COPPER WITH 75C. (THW) INSULATION.
2. NOT USED.
3. FEEDERS ARE BASED ON USE OF STEEL CONDUIT. PROVIDE CODE SIZED EQUIPMENT AND RACEWAY GROUND WIRES IF PLASTIC CONDUIT IS USED. FEEDER GROUND WIRES SHOWN ARE FOR BUILDING SERVICE GROUNDING.
4. ALL DISTRIBUTION BOARDS SHALL BE PROVIDED WITH GROUND BUS.
5. PROVIDE 4" HIGH CONCRETE HOUSEKEEPING PADS UNDER ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT (INCLUDING SWITCHBOARDS AND TRANSFORMERS).
6. THE INTERIOR METAL WATER PIPING AND STRUCTURAL STEEL SYSTEMS SHALL BE BONDED TO THE ELECTRICAL EQUIPMENT.
7. ALL CIRCUIT BREAKERS (DISTRIBUTION SWITCHBOARD, PANELBOARDS) SHALL BE SERIES RATED FOR 65,000 AIC OR APPROVED EQUAL UNLESS NOTED OTHERWISE.
8. EQUIPMENT ENCLOSURES SHALL BE CLEARLY MARKED "CAUTION – SERIES RATED SYSTEM" IN COMPLIANCE WITH 2002 NEC SECTION 110-22. END-USE EQUIPMENT SHALL ALSO BE MARKED WITH THE HIGHER SERIES COMBINATION INTERRUPTING RATING AS PER 2002 NEC SECTION 240-83(c).

B. MECHANICAL EQUIPMENT NOTES

1. VERIFY EXACT LOCATION OF MECHANICAL EQUIPMENT CONTRACTOR PRIOR TO INSTALLATION OF CONDUIT.
2. ALL EQUIPMENT, DEVICES, SAFETY SWITCHES, JUNCTION BOXES CONNECTIONS, ETC. MOUNTED ON THE ROOF OR EXTERIOR SHALL BE WEATHERPROOF.
3. REFER TO MECHANICAL DRAWING CONTROL DIAGRAMS FOR ALL SENSORS, TIME CLOCKS, RELAYS, TIMERS, STARTERS, LINE AND LOW VOLTAGE CONDUIT AND PROVIDE AS REQUIRED.
4. SAFETY SWITCHES SHALL BE HORSEPOWER RATED WITH CURRENT LIMITING FUSES, SIZED PER THE MANUFACTURER'S RECOMMENDATION. SWITCHES SHALL HAVE "RK-1" FUSE REJECTION CLIPS.
5. ELECTRICAL PLANS DO NOT INDICATE MECHANICAL AND PLUMBING EQUIPMENT CONTROL. REFER TO MECHANICAL AND PLUMBING PLANS AND SPECIFICATIONS AND PROVIDE ALL CONDUIT, WIRE J-BOXES, OUTLET BOXES RELAY SWITCHES, TIME SWITCHES, CONTROL CIRCUITS, ETC. REQUIRED FOR A COMPLETE AND OPERABLE MECHANICAL AND PLUMBING INSTALLATION. ALL WIRE SHALL BE INSTALLED IN CODE SIZED CONDUIT.
6. LOCATIONS OF SAFETY SWITCHES AND CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT ARE SHOWN DIAGRAMMATICALLY. VERIFY ACTUAL LOCATIONS WITH EQUIPMENT SHOP DRAWINGS AND LOCATE SAFETY SWITCHES LOCATED TO PROVIDE CODE REQUIRED CLEARANCES AND ACCESS. SAFETY SWITCHES LOCATED ON THE ROOF SHALL BE MOUNTED 30" MINIMUM ABOVE THE ROOF. IF THE MOUNTING OF SWITCHES DIRECTLY TO MECHANICAL EQUIPMENT IS NOT POSSIBLE, PROVIDE ANGLE IRON SUPPORT BRACKETS BOLTED TO THE ROOF FRAMING.

C. FIXTURE NOTES:

1. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ACTUAL CEILING CONSTRUCTION TYPE AS DEFINED ON THE ARCHITECTURAL DRAWINGS AND FURNISH ALL LIGHTING FIXTURES WITH THE CORRECT MOUNTING DEVICES WHETHER OR NOT SUCH VARIATIONS ARE INDICATED BY THE FIXTURE CATALOG NUMBER. THE CONTRACTOR SHALL VERIFY DEPTH OF ALL RECESSED LIGHTING FIXTURES WITH ARCHITECTURAL DRAWINGS PRIOR TO ORDERING FIXTURES. ANY DISCREPANCIES THAT WOULD CAUSE RECESSED FIXTURES NOT TO FIT INTO CEILING SHALL BE REPORTED TO THE ARCHITECT PRIOR TO ORDERING FIXTURES.
2. LIGHT FIXTURES RECESSED IN CEILING WHICH HAVE A ONE HOUR OR MORE FIRE RATING SHALL BE ENCLOSED IN A BOX WHICH HAS A FIRE RATING EQUAL TO THAT OF THE CEILING. PROVIDE MINIMUM OF 3" CLEAR FROM ALL SIDES AND TOP OF RECESSED LIGHT FIXTURES.
3. CEILING INSULATION SHALL BE INSTALLED TO ALLOW 3" MINIMUM CLEARANCE FROM SIDES AND TOP OF RECESSED LIGHT FIXTURES.
4. LAMPS FOR OWNER FURNISHED FIXTURES ARE FURNISHED BY OWNER. INSTALLED IN ELECTRICAL CONTRACT.
5. VERIFY MOUNTING HEIGHT OF ALL WALL MOUNTED FIXTURES WITH ARCHITECT.
6. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHT FIXTURES.
7. VERIFY VOLTAGE BEING SUPPLIED TO FIXTURES PRIOR TO ORDERING.
8. PENDANT MOUNTED FIXTURES SHALL BE ABLE TO SWING UP TO 45° WITHOUT STRIKING ANY OBJECT. IF OBSTRUCTIONS OCCUR, PROVIDE SWAY BRACING AS REQUIRED.

RFI #34

Question	Date Required: 5/2/2007
Is all existing Branch Conduit, wiring, etc., for power, data, low voltage, etc., to be removed from the existing building?	
Please advise.	
Suggestion	
Answer	**Date Answered: 5/3/2007**
Remove existing conduit.	

D. SITE PLAN GENERAL NOTES:

1. VISIT SITE PRIOR TO BID TO REVIEW EXISTING TOPOGRAPHY, LANDSCAPING AND EXISTING CONDITIONS TO BECOME FAMILIAR WITH SLOPE CONDITIONS, EXISTING CONSTRUCTION AND LANDSCAPING. ADJUST CONDUIT ROUTING INDICATED TO AVOID RUNNING IN SLOPE CONDITIONS, TO MISS TREES AND TO AVOID DISTURBING EXISTING CONSTRUCTION WHERE POSSIBLE. REPAIR OR REPLACE ALL SPRINKLER SYSTEMS, CONDUIT WIRING, PIPING, ECT. DAMAGED BY ELECTRICAL WORK. RECONNECT EXISTING TO MAINTAIN COMPLETE AND OPERABLE SYSTEMS.
2. ELECTRICAL CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES, WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY THIS OR ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
3. ALL EQUIPMENT, DEVICES, DISCONNECT SWITCHES, JUNCTION BOXES, CONNECTIONS, ETC., EXTERIOR TO THE BUILDING SHALL BE WEATHERPROOF.
4. SIGNAL CONDUITS SHALL BE SEPARATED FROM POWER CONDUITS +12" MINIMUM.

E. GENERAL NOTES:

1. PROVIDE EXPANSION AND DEFLECTION FITTINGS WITH BONDING JUMPER ON ALL CONDUITS AT ALL BUILDING EXPANSION OR SEISMIC JOINT CROSSING.
2. THE TOP OF ALL FLOOR STANDING SERVICE AND SWITCHBOARD EQUIPMENT SHALL BE BOLTED TO THE WALL WITHIN 3 FEET OF EACH END WITH 1/4" THICK ANGLE IRON AND P1000 UNISTRUT AND FITTINGS.
3. PROVIDE 6" DIAMETER x 12" DEEP CONCRETE MARKERS OVER EACH STUBOUT FLUSH WITH FINISH PAVING. PROVIDE BRASS PLATE EMBEDDED IN TOP OF MARKER INDICATING CONDUIT SIZE, DEPTH AND FUTURE USE.
4. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED ELECTRICAL DEVICES WITH ARCHITECT.
5. DURING THE COURSE OF CONSTRUCTION, PROVIDE TEMPORARY LIGHT AND POWER AS REQUIRED FOR ALL TRADES THROUGH COMPLETION OF THIS PROJECT.
6. ALL WORK AND MATERIAL IS NEW AND INCLUDED IN THE CONTRACT UNLESS SPECIFICALLY INDICATED AS EXISTING.
7. ALL DIMENSIONS AND LOCATIONS OF EQUIPMENT ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
8. CONSTRUCTION NOTES:
    a. SLEEVES SET IN FIRE WALLS SHALL BE CAULKED BETWEEN SLEEVE, CONDUIT AND RACEWAYS PASSING THRU THE SLEEVE, WITH FIREPROOF SEALANT.
    b. WHERE CONDUITS PASS THROUGH FLOORS OR RATED WALLS, THE OPENINGS AROUND THE CONDUITS SHALL BE SEALED WITH 3M FIRE SAFING. CONDUIT FLOOR PENETRATIONS WITH RATED CHASES SHALL BE SEALED WITH BARRIER SEALANTS. THE 3M SEALANT USED SHALL BE PROVIDED BY LOCAL AUTHORITIES HAVING JURISDICTION.
    c. ELECTRICAL DEVICES SHALL BE OFF-SET A MINIMUM OF 24" ON EITHER SIDE OF WALL.
    d. CONDUCTOR PENETRATION OF FIRE RATED PORTIONS OF A STRUCTURE SHALL BE EFFECTIVELY SEALED AND SLEEVED WITH STEEL FLEX 3 FEET EACH SIDE OF THE PENETRATION, OR OTHER APPLIED METHODS. (CEC 300-21)
    e. OUTLET BOXES AND PANELS INSTALLED IN FIRE RATED WALLS AND CEILINGS SHALL NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF CEILING AREA. INDIVIDUAL OUTLET BOXES OR FIXTURES SHALL BE STEEL AND NOT GREATER THAN 16 SQUARE INCHES. (CEC 709.64.7)

F. COMMUNICATION SYSTEM NOTES:

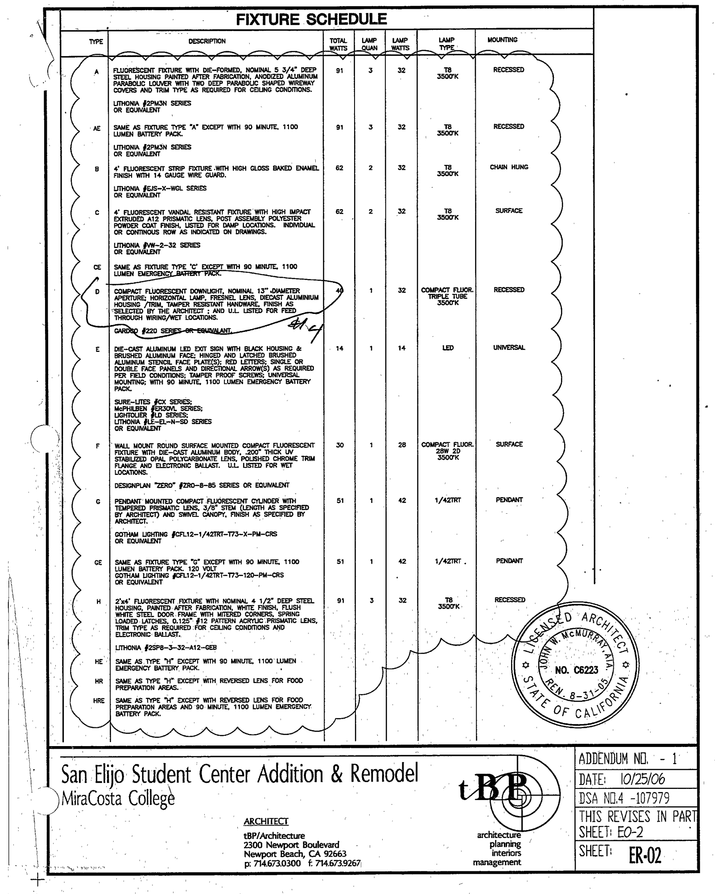
1. CONDUITS AND SLEEVES:
    a. CONDUITS THAT RISE FROM THE FLOOR NEED TO RISE +4"-6" AFF.
    b. CONDUITS THAT FALL FROM CEILING SPACE SHOULD BE EXTENDED HORIZONTALLY THROUGH THE WALL NO MORE THAN 4 INCHES. IF VERTICAL, THEY SHALL EXTEND ONTO THE TOP OF THE BACKBOARD BY 2-4 INCHES.
    c. BUSHINGS REQUIRED ON ALL CONDUIT ENDS.
    d. THE BENDING RADII OF CONDUIT IS TO BE 10 TIMES THE CONDUIT'S INTERNAL DIAMETER.

FIXTURE SCHEDULE

TYPE	DESCRIPTION	TOTAL WATTS	LAMP QUAN	LAMP WATTS	LAMP TYPE	MOUNTING
A	FLUORESCENT FIXTURE WITH DIE-FORMED, NOMINAL 5 3/4" DEEP STEEL HOUSING PAINTED AFTER FABRICATION, ANODIZED ALUMINUM PARABOLIC LOUVER WITH TWO DEEP PARABOLIC SHAPED WIREWAY COVERS AND TRIM TYPE AS REQUIRED FOR CEILING CONDITIONS. 277 VOLT LITHONIA #2PM3N SERIES OR EQUIVALENT	91	3	32	T8 3500°K	RECESSED
AE	SAME AS FIXTURE TYPE "A" EXCEPT WITH 90 MINUTE, 1100 LUMEN BATTERY PACK. 277 VOLT LITHONIA #2PM3N SERIES OR EQUIVALENT	91	3	32	T8 3500°K	RECESSED
B	4' FLUORESCENT STRIP FIXTURE WITH HIGH GLOSS BAKED ENAMEL FINISH. 277 VOLT LITHONIA #EJS SERIES OR EQUIVALENT	62	2	32	T8 3500°K	CHAIN HUNG
C	1' X 4' FLUORESCENT WRAPAROUND FIXTURE WITH ACRYLIC PRISMATIC DIFFUSER WHITE ENAMEL END PLATES. 277 VOLT LITHONIA #LB SERIES OR EQUIVALENT	62	2	32	T8 3500°K	SURFACE
CE	SAME AS FIXTURE TYPE "C" EXCEPT WITH 90 MINUTE, 1100 LUMEN EMERGENCY BATTERY PACK.					
D	EXTERIOR RECESSED DOWNLIGHT WITH FLAT PRISMATIC GLASS LENS AND FINISH AS SPECIFIED BY ARCHITECT, 120 VOLT DEVINE DESIGN BY HUBBELL #FE551-7SINC-W65-120V SERIES OR EQUIVALENT	75	1	75	A19	RECESSED
E	UNIVERSAL MOUNT EXIT SIGN WITH NORMAL AND SELF POWERED EMERGENCY OPERATION, STENCIL FACE, BLACK LETTERS LITHONIA #XS-1G-EL SERIES OR EQUIVALENT	40	2	20	T6	UNIVERSAL
F	EXTERIOR SURFACE WALL MOUNTED FIXTURE WITH SATIN OPAL GLASS DIFFUSER AND FINISH AS SPECIFIED BY ARCHITECT, 120 VOLT PRESCOLITE LIFE FORMS SERIES #4020 OR EQUIVALENT	100	1	100	A19	SURFACE
G	PENDANT MOUNTED COMPACT FLUORESCENT CYLINDER WITH TEMPERED PRISMATIC LENS, 3/8" STEM (LENGTH AS SPECIFIED BY ARCHITECT) AND SWIVEL CANOPY, FINISH AS SPECIFIED BY ARCHITECT, 120 VOLT GOTHAM LIGHTING #CFL12-1/42TRT-T73-120-PM-CRS OR EQUIVALENT	51	1	42	1/42TRT	PENDANT
GE	SAME AS FIXTURE TYPE "G" EXCEPT WITH 90 MINUTE, 1100 LUMEN BATTERY PACK. 120 VOLT GOTHAM LIGHTING #CFL12-1/42TRT-T73-120-PM-CRS OR EQUIVALENT	51	1	42	1/42TRT	PENDANT
2	FLUORESCENT FIXTURE WITH DIE-FORMED, NOMINAL 4 1/2" DEEP STEEL HOUSING, PAINTED AFTER FABRICATION, WHITE FINISH, FLUSH WHITE STEEL DOOR FRAME WITH MITERED CORNERS, SPRING LOADED LATCHES, 0.125" #12 PATTERN ACRYLIC PRISMATIC LENS AND TRIM TYPE AS REQUIRED FOR CEILING CONDITIONS	91	3	32	T8 3500°K	RECESSED
F	2'x4' FIXTURE METALUX #2GC8 SERIES; DAY-BRITE #2DPX SERIES; LIGHTOLIER #SPS SERIES OR EQUIVALENT	91	3	32	T8 3500°K	RECESSED
FE	SAME AS TYPE "F" EXCEPT WITH 90 MINUTE, 1100 LUMEN EMERGENCY BATTERY PACK.					

H, HE, HR, HRE, J, K

By



Bulletin #15 Per sheet B15-13

L	Low voltage adjustable downlight w/ 3½" aperture. Portfolio# HA3MR Series	50	1	50	MR16	Recessed
M	Compact flourescent, Surface Mounted Cylinder fixture Natural Aluminum finish and perforated band. Shaper lighting #460-A-CFL/1/26-V-NA. PF3	30	1	26	Compact Fluor	Surface Ceiling
ME	Same as Type 9. Except w/ 90 minute, 1100 Lumen Emergency Battery Pack					

tBP architecture planning interiors management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 9496730300 fx: 9496739267
architect

GLP Engineering, Inc.
Mechanical and Electrical Engineers
GLP #115.050
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805
consultant

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT ACCESS BY PERMIT ONLY
04-107579
Ac — HS — SS — DSA
Date SEP 2 9 2006

agency

San Elijo Student Center
MiraCosta College
MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE
CARDIFF BY THE SEA, CA 92007
owner

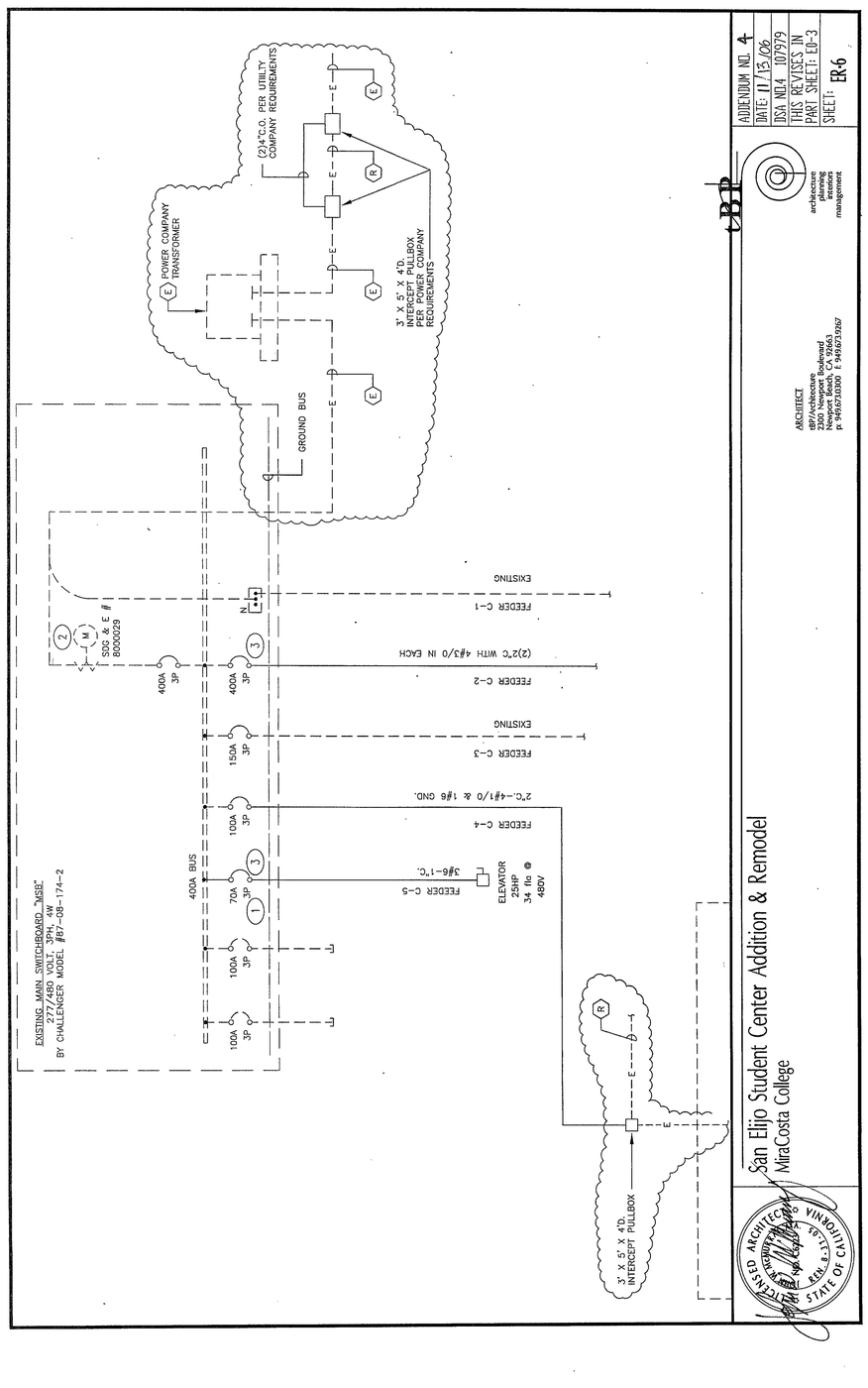
tBP project number : 2048.10
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 04/19/06

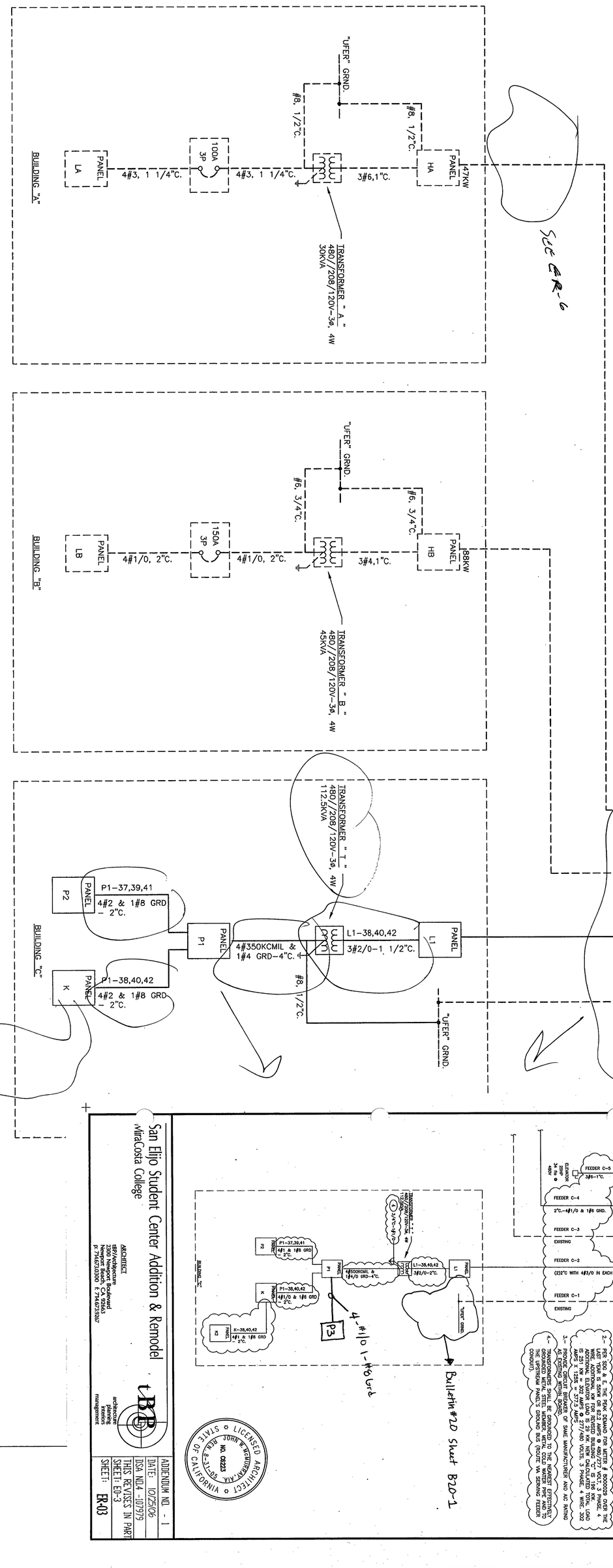
Rev:	date:	description:

drawing title: NOTES AND FIXTURE SCHEDULE
building no:
drawing no: E0-2
drawing 98 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.





PLAN NOTES ○

1.- PROVIDE SHUNT TRIP CIRCUIT BREAKER.

2.- PER SDG & E, THE PEAK DEMAND FOR METER # 8000029 OVER THE LAST YEAR IS 55KW OR 62.2 AMPS @ 480/277 VOLT, 3 PHASE, 4 WIRE. ADDITIONAL KW FOR REVISED BUILDING "C" IS 102 KW. ADDITIONAL ELEVATOR LOAD IS 29 KW. NEW CALCULATED TOTAL LOAD IS 186 KW = 224 AMPS @ 277/480 VOLTS, 3 PHASE, 4 WIRE.

3.- PROVIDE CIRCUIT BREAKER OF SAME MANUFACTURER AND AIC RATING AS EXISTING.

PLAN NOTES ○

1.- PROVIDE SHUNT TRIP CIRCUIT BREAKER.

2.- PER SDG & E, THE PEAK DEMAND FOR METER # 8000029 OVER THE LAST YEAR IS 55KW OR 62.2 AMPS @ 480/277 VOLT, 3 PHASE, 4 WIRE. ADDITIONAL KW FOR REVISED BUILDING "C" IS 198 KW. ADDITIONAL ELEVATOR LOAD IS 29 KW. NEW CALCULATED TOTAL LOAD IS 277 KW = 337.5 AMPS @ 277/480 VOLTS, 3 PHASE, 4 WIRE. USE 400 AMPS X 125% = 375 AMPS.

3.- PROVIDE CIRCUIT BREAKER OF SAME MANUFACTURER AND AIC RATING AS EXISTING WITHIN BOARD.

4.- TRANSFORMERS SHALL BE GROUNDED TO THE NEAREST EFFECTIVELY GROUNDED METAL MEMBER OF THE BUILDING STRUCTURE AND TO THE UPSTREAM PANEL'S GROUND BUS (ROUTE VIA SERVING FEEDER CONDUIT).



NOTES:

1. ALL CIRCUIT BREAKERS (DISTRIBUTION SWITCHBOARDS, PANELBOARDS) SHALL BE SERIES RATED FOR 65,000 AIC OR APPROVED EQUAL UNLESS OTHERWISE NOTED.
2. ALL FEEDERS INDICATED ARE COPPER "THWN/THHN".
3. EQUIPMENT ENCLOSURES SHALL BE CLEARLY MARKED "CAUTION–SERIES RATED SYSTEM – 65,000 AMPS AVAILABLE. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED.". IN COMPLIANCE WITH 2002 NEC SECTION 110–22. END–USE EQUIPMENT SHALL ALSO BE MARKED WITH THE HIGHER SERIES COMBINATION INTERRUPTING RATING AS PER 2002 NEC SECTION 240–83(c).
4. ALL EQUIPMENT, FEEDERS, ETC. SHOWN DASHED ARE EXISTING TO REMAIN.
5. ALL EQUIPMENT, FEEDERS, ETC. SHOWN SOLID IS NEW AND PART OF THIS CONTRACT.

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 714.673.0300 f: 714.673.9267

architecture planning interiors management

ADDENDUM NO. - 1	
DATE: 10/25/06	
DSA NO.4 -107979	
THIS REVISES IN PART	
SHEET: E0-3	
SHEET: ER-03	

JOHN M. McMURRAY No. C6223 REN. 8-31-07 LICENSED ARCHITECT STATE OF CALIFORNIA

drawing title: SINGLE LINE DIAGRAM
building no:
drawing no: E0-3
drawing 94 of 107

Rev.	date	description

date: 09/19/06
drawn by: CG checked by:
file name: DAS-00.dwg
tBP project number: 2048.10

owner

San Elijo Student Center
MiraCosta College

MiraCosta College · San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

agency

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC — FLS D SS DL
DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

consultant

REGISTERED PROFESSIONAL ENGINEER GARY L. PRAK No. E 17252 EXP. 06-30-08 ELECTRICAL STATE OF CALIFORNIA

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

architect

JOHN M. McMURRAY No. C6223 REN. 8-31-07 LICENSED ARCHITECT STATE OF CALIFORNIA

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

tBP
architecture
planning
interiors
management

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

Panel: L2 Added
per Bulletin #20
Sheet B20-2
Lee

PANEL-L2
1004
277/480
2 WHSP
4 —
6 —
8 Dolphin Pump
10 —
12 —
14 Spare
16 —
18 —
20 —
22 —
24 —
26 —
28 —
30 —

Panel P-3
120/208 V
100A
1 Phone board
3 Restroom Controls
5
7
9
11
13
15
17
19
21
23
25
27
29

PANEL: K2 — KITCHEN 106 — FLUSH
PANELVOLTAGE: 120/208 3P, 4W — BUS: 100A — MAIN: L.O. — AIC RATING: 65000 SERIES RATED
CIRCUIT CODE (CC): N : NON-CONTINUOUS; L : LONG-CONTINUOUS; R: DEMANDABLE RECEPTACLES; K: KITCHEN

CKT NO.	VA LOAD A	VA LOAD B	VA LOAD C	LOAD DESCRIPTION	CC	TYPE CNT. M	R	L	C. B. TR	P	BUS A	B	C	C. B. TR	P	TYPE CNT. L	R	M	CC	LOAD DESCRIPTION	VA LOAD A	VA LOAD B	VA LOAD C	CKT NO.
1	1560			WALK-IN FREEZER CONDENSER #78	N	1			20	1	X			20	1			1	N	WALK-IN FREEZER FAN COIL #76	600			2
3		1560		-----	N	-			20	1		X		20	1			1	N	WALK-IN COOLER FAN COIL #80		600		4
5			1560	WALK-IN COOLER CONDENSER #79	N	1			20	1			X	20	1					WALK-IN FREEZER LIGHTS #74			600	6
7	1560			-----	N	-			20	1	X			20	1					WALK-IN COOLER LIGHTS #78	600			8
9		1000		ROLL UP GRILL	N	1			20	1		X		20	1					SPARE				10
11			1000	ROLL UP GRILL	N	1			20	1			X	20	1					SPARE				12
13				SPARE					20	1	X			20	1					SPARE				14
15				SPARE					20	1		X		20	1					SPARE				16
17				SPARE					20	1			X	20	1					SPARE				18
19				SPACE							X									SPACE				20
21				SPACE								X								SPACE				22
23				SPACE									X							SPACE				24
	3120	2560	2560	PHASE TOTALS																	1200	600	600	

Total Phase A: 4320
Total Phase B: 3160
Total Phase C: 3160

CONNECTED VA (CODE N): 9440
CONNECTED VA (CODE L):
CONNECTED VA (CODE R):
CONNECTED VA (CODE K):
TOTAL CONNECTED KVA: 10.7
DEMAND KVA:
TOTAL ADJUSTED KVA: 10.7
TOTAL PANEL AMPS: 36.0
AMPS W/LCL: 36.0

10/17/06 12:11 PM

PANEL: P1 — ELEC ROOM — SURFACE
PANELVOLTAGE: 120/208 3P, 4W — BUS: 400A — MAIN: 350A, 3P — AIC RATING: 10,000 SERIES RATED
CIRCUIT CODE (CC): N : NON-CONTINUOUS; L : LONG-CONTINUOUS; R: DEMANDABLE RECEPTACLES; K: KITCHEN

CKT NO.	VA LOAD A	VA LOAD B	VA LOAD C	LOAD DESCRIPTION	CC	TYPE CNT. M	R	L	C. B. TR	P	BUS A	B	C	C. B. TR	P	TYPE CNT. L	R	M	CC	LOAD DESCRIPTION	VA LOAD A	VA LOAD B	VA LOAD C	CKT NO.
1	1225			EXTERIOR WALL LIGHTS	L			13	20	1	X			20	1				N	SPARE				2
3		1100		EXTERIOR WALL LIGHTS	L			11	20	1		X		20	1				N	SPARE				4
5			1100	EXTERIOR WALL LIGHTS	L			11	20	1			X	20	3	X			N	SPARE				6
7	1000			FOLDING PARTITION DOOR	N				---	---	X			---	---	X			N	SPARE				8
9		1000		-----	N				---	---		X		---	---				N	SPARE				10
11				-----	N				---	---			X	---	---				N	SPARE				12
13	720			CONV RECEPT	R	4			20	1	X			20	1				N	SPARE				14
15		500		TV RECEPT	R	1			20	1		X		20	1				N	SPARE				16
17			500	TV RECEPT	R	1			20	1			X	20	1				N	SPARE				18
19	1200			DED REFER RECEPT	R	1			20	1	X			20	1				N	SPARE				20
21		1000		KIT CONV RECEPT	R	2			20	1		X		20	1				N	SPARE				22
23	1260			CONV RECEPT	R	6			20	1	X			20	1				N	SPARE				24
25		1260		CONV RECEPT	R	6			20	1		X		20	1				N	SPARE				26
27			1260	CONV RECEPT	R	6			20	1			X	20	1				N	SPARE				28
29				SPARE							X								N	SPARE				30
31				SPARE								X							N	SPARE				32
33				SPARE									X						N	SPARE				34
35				SPARE							X								N	SPARE				36
37				SPACE								X								SPACE				38
39				SPACE									X							SPACE				40
41	7662	8406	8805	PHASE TOTALS																	5419			

Total Phase A: 59547
Total Phase B:
Total Phase C: 59360

6/29/06 11:11 AM

PANEL: L1 — ELEC ROOM — SURFACE
PANELVOLTAGE: 277/480 3P, 4W — BUS: 225A — MAIN: L.O. — AIC RATING: 65,000 SERIES RATED
CIRCUIT CODE (CC): N : NON-CONTINUOUS; L : LONG-CONTINUOUS

CKT NO.	VA LOAD A	VA LOAD B	VA LOAD C	LOAD DESCRIPTION	CC	TYPE CNT. M	R	L	C. B. TR	P	BUS A	B	C	C. B. TR	P	TYPE CNT. L	R	M	CC	LOAD DESCRIPTION	VA LOAD A	VA LOAD B	VA LOAD C	CKT NO.
1	1953			LIGHTING FIXTURES	L			21	20	1	X			15	3				N	WHSP-5 7.7 AMPS	2135			2
3		2697		LIGHTING FIXTURES	L			29	20	1		X		---	---				N	-----		2135		4
5			3096	LIGHTING FIXTURES	L			33	20	1			X	---	---				N	-----			2135	6
7	1664			WHSP-2 6.0 AMPS	N			15	15	3	X			---	---				N	WHSP-6 7.7 AMPS	2135			8
9		1664		-----	N			15	---	---		X		---	---				N	-----		2135		10
11			1664	WHSP-4 7.8 AMPS	N			15	---	---			X	---	---				N	WHSP-7 7.8 AMPS			2163	12
13	2163			-----	N			15	---	---	X			---	---				N	-----	2163			14
15		2163		P-1 2 HP	L			15	30	2	X			---	---				N	WHSP-8 12.1 AMPS		3356		16
17			2163	-----	L			15	---	---		X		---	---				N	-----			3356	18
19	941			-----	L			15	---	---			X	---	---				N	-----	3356			20
21		941		P-2 2 HP	L			15	30	2	X			---	---				N	-----		3356		22
23			941	-----	L			15	---	---		X		---	---				N	-----			3356	24
25	941			SPARE					20	1	X			---	---				N	-----	8320			26
27		941		SPACE					---	---		X		---	---				N	-----		8320		28
29			941	SPACE					---	---			X	---	---				N	-----			8320	30
31				SPACE							X									SPACE				32
33				SPACE								X								SPACE				34
35				SPACE									X							SPACE				36
37				SPACE							X									SPACE				38
39				SPACE								X								SPACE				40
41	7662	8406	8805	PHASE TOTALS																	5419			

Total Phase A: 59547
Total Phase B:
Total Phase C: 59360

6/29/06 11:11 AM

PANEL: P2 — ELEC ROOM — SURFACE
PANELVOLTAGE: 120/208 3P, 4W — BUS: 225A — MAIN: L.O. — AIC RATING: 10,000 SERIES RATED
CIRCUIT CODE (CC): N : NON-CONTINUOUS; L : LONG-CONTINUOUS; R: DEMANDABLE RECEPTACLES; K: KITCHEN

CKT NO.	VA LOAD A	VA LOAD B	VA LOAD C	LOAD DESCRIPTION	CC	TYPE CNT. M	R	L	C. B. TR	P	BUS A	B	C	C. B. TR	P	TYPE CNT. L	R	M	CC	LOAD DESCRIPTION	VA LOAD A	VA LOAD B	VA LOAD C	CKT NO.
1	1206			WHSP-1 11.6A	L			15	20	1	X			15	2	X			N	WHSP-5 7.7 AMPS	2135			2
3		1206		-----	L			---	---	---		X		---	---				N	-----		2135		4
5	1206			WHSP-3 11.6A	N			15	20	1	X			15	2	X			N	WHSP-6 7.7 AMPS	2135			6
7		1206		-----	N			---	---	---		X		---	---				N	-----		2135		8
9			1206	WHSP-9 11.6A	N			15	20	1			X	---	---				N	WHSP-7 7.8 AMPS			2163	10
11	1128			EF-1 1/2HP	N			---	20	1	X			---	---				N	-----	2163			12
13		1128		EF-2 1/2HP	N			---	20	1		X		---	---				N	WHSP-8 12.1 AMPS		3356		14
15			1128	EF-3 1/6HP	N			---	20	1			X	---	---				N	-----			3356	16
17	504			EF-4 1/6HP	N			15	20	1	X			15	2	X			N	-----	3356			18
19		504		EF-5 1/6HP	N			---	20	1		X		---	---				N	-----		3356		20
21			504	EF-6 1/6HP	N			---	20	1			X	---	---				N	-----			3356	22
23	504			EF-7 1/6HP	N			---	20	1	X			---	---				N	-----	8320			24
25		504		EF-8 1/6HP	N			---	20	1		X		---	---				N	-----		8320		26
27			504	EF-9 1/6HP	N			---	20	1			X	---	---				N	-----			8320	28
29	828			TF-1 1/3 HP	N			---	20	1	X									SPACE				30
31		100		EF-10	N			---	20	1		X								SPACE				32
33			500	SAC-1 INDOOR	N			15	20	1			X							SPACE				34
35	500			-----	N			---	---	---	X									SPACE				36
37		1113		SAC-2 OUTDOOR	N			15	20	1		X								SPACE				38
39			1113	-----	N			---	---	---			X							SPACE				40
41	5876	5761	5537	PHASE TOTALS																	7296	7293	7989	

Total Phase A: 7296
Total Phase B: 7293
Total Phase C: 7989

L – PROVIDE LOCK-ON DEVICE

R – DENOTES CIRCUIT BREAKER TO BE COLOR RED AND LABELED AS "FIRE ALARM CIRCUIT"

9/7/06 11:11 AM

PANEL: K — KITCHEN 106 — FLUSH
PANELVOLTAGE: 120/208 3P, 4W — BUS: 100A — MAIN: L.O. — AIC RATING: 65000 SERIES RATED
CIRCUIT CODE (CC): N : NON-CONTINUOUS; L : LONG-CONTINUOUS; R: DEMANDABLE RECEPTACLES; K: KITCHEN

CKT NO.	VA LOAD A	VA LOAD B	VA LOAD C	LOAD DESCRIPTION	CC	TYPE CNT. M	R	L	C. B. TR	P	BUS A	B	C	C. B. TR	P	TYPE CNT. L	R	M	CC	LOAD DESCRIPTION	VA LOAD A	VA LOAD B	VA LOAD C	CKT NO.
1	2756			ICE MAKER #5	K	1			30	2	X			40	2	X			K	OFFICE DESK RECEPTACLE	500			2
3		2756		----	K	-			---	---		X		---	---				R	OFFICE RECEPTACLES		360		4
5			2756	PREP AREA CONVENIENCE RECEPTACLES	K	1			20	1			X	---	---				R	POS STATION #68			500	6
7	360			PREP AREA CONVENIENCE RECEPTACLES	K	1			20	1	X			---	---				K	L – FIRE PROTECTION SYSTEM	600			8
9		360		PREP AREA CONVENIENCE RECEPTACLES	K	2			20	1		X		---	---				K	OVERHEAD FOOD WARMER #55		1296		10
11			1623	ESPRESSO COFFEE MACHINE #46	K	-			---	---			X	---	---				K	DROP-IN HEATED SHELF #54			132	12
13	1623			COFFEE MAKER #43	K	-			---	---	X			---	---				K	SANDWICH/SALAD PREP #52	1032			14
15		1768		COFFEE GRINDER #45	K	1			30	2		X		---	---				K	DROP-IN HOT WELLS #51		2247		16
17			1768	COFFEE MAKER #42	K	-			---	---			X	---	---				K	-----			2247	18
19	600			REFRIGERATED DISPLAY CASE #56	K	1			20	1	X			---	---				K	DRINK DISPENSER #60	1800			20
21		1000		REFRIGERATED DISPLAY CASE #56	K	1			20	1		X		---	---				K	DRINK DISPENSER #60		1800		22
23	2247			DROP-IN HOT WELLS #51	K	1			20	1	X			---	---				K	DRINK DISPENSER #60			1800	24
25		2247		-----	K	-			---	---		X		---	---				K	DRINK DISPENSER #60	1800			26
27	1128			F – CONVECTION OVEN #31	K	1			20	1			X	---	---				K	SODA DISPENSER #63		600		28
29		1128		F – DEEP FAT FRYER #36	K	1			20	1	X			---	---				K	CARBONATOR #64			600	30
31	1000			F – ROLL–N REFRIGERATOR #38	K	1			20	1		X		---	---				K	DROP–IN HOT WELLS #66	804			32
33		600		F – EXHAUST HOOD #27	K	1			20	1			X	---	---				K	DROP–IN HOT WELLS #65		804		34
35	500			REFRIGERATED DISPLAY CASE #56	K	1			20	1	X			---	---				K	SPARE			804	36
37		500		EXHAUST HOOD BLOWER #28	K				---	---		X		---	---				K	SPARE		1000		38
39			500	MAKE–UP AIR SYSTEM #29	K				---	---			X	---	---				K	ROLL–UP GRILL	1000			40
41	9086	8112	8358	PHASE TOTALS															K	ROLL–UP GRILL		1000	1000	42

CONNECTED VA (CODE N): 6536 8107 6279
CONNECTED VA (CODE L): 2000
CONNECTED VA (CODE R): 2620
CONNECTED VA (CODE K): 41858
TOTAL CONNECTED KVA: 46.5
DEMAND KVA: -14.7
TOTAL ADJUSTED KVA: 31.9
TOTAL PANEL AMPS: 88.7
AMPS W/LCL: 88.7

Total Phase A: 15622
Total Phase B: 16219
Total Phase C: 14637

F – DENOTES CIRCUIT TO BE OPERATED BY SHUNT TRIP BREAKER AND CONTROLLED BY FIRE PROTECTION SYSTEM PER MANUFACTURER'S REQUIREMENTS.

L – PROVIDE LOCK–ON DEVICE

9/7/06 1:17 PM

CIRCUIT CODE (CC): N : NON–CONTINUOUS; L : LONG–CONTINUOUS; R: DEMANDABLE RECEPTACLES; K: KITCHEN

PANEL: P1 — ELEC ROOM — SURFACE
PANELVOLTAGE: 120/208 3P, 4W — BUS: 400A — MAIN: 350A, 3P — AIC RATING: 10,000 SERIES RATED

CKT NO.	VA LOAD A	VA LOAD B	VA LOAD C	LOAD DESCRIPTION	CC	TYPE CNT. M	R	L	C. B. TR	P	BUS A	B	C	C. B. TR	P	TYPE CNT. L	R	M	CC	LOAD DESCRIPTION	VA LOAD A	VA LOAD B	VA LOAD C	CKT NO.
1	1225			EXTERIOR WALL LIGHTS	L			13	20	1	X			20	1				N	SPARE				2
3		1100		EXTERIOR WALL LIGHTS	L			11	20	1		X		20	1				N	SPARE				4
5			1100	EXTERIOR WALL LIGHTS	L			11	20	1			X	20	3	X			N	SPARE				6
7	1000			FOLDING PARTITION DOOR	N				---	---	X			---	---	X			N	SPARE				8
9		1000		-----	N				---	---		X		---	---				N	SPARE				10
11				-----	N				---	---			X	---	---				N	SPARE				12
13	720			CONV RECEPT	R	4			20	1	X			20	1				N	SPARE				14
15		500		TV RECEPT	R	1			20	1		X		20	1				N	SPARE				16
17			500	TV RECEPT	R	1			20	1			X	20	1				N	SPARE				18
19	1200			DED REFER RECEPT	R	1			20	1	X			20	1				N	SPARE				20
21		1000		KIT CONV RECEPT	R	2			20	1		X		20	1				N	SPARE				22
23	1260			CONV RECEPT	R	6			20	1	X			20	1				N	SPARE				24
25		1260		CONV RECEPT	R	6			20	1		X		20	1				N	SPARE				26
27			1260	CONV RECEPT	R	6			20	1			X	20	1				N	SPARE				28
29				SPARE							X								N	SPARE				30
31				SPARE								X							N	SPARE				32
33				SPARE									X						N	SPARE				34
35				SPARE							X								N	SPARE				36
37	7296			SUB FEED PANEL P2	N							X							N	SPARE				38
39		7793		-----	N								X						N	SPARE				40
41	12701	12653	12729	PHASE TOTALS																	33668			

Total Phase A: 33332
Total Phase B:
Total Phase C: 32646

6/29/06 11:11 AM

PROVIDE 20 AMP, 3 POLE ELECTRICALLY HELD LIGHTING CONTACTOR WITH 120 VOLT COIL H – O – A SWITCH, NEMA ENCLOSURE AND CONTROL WIRE TO EXISTING EMCS CONTROL RELAY. LOCATE ADJACENT TO PANEL P1.

11/8/06 2:21 PM

PANEL: P2 — ELEC ROOM — SURFACE
PANELVOLTAGE: 120/208 3P, 4W — BUS: 225A — MAIN: L.O. — AIC RATING: 10,000 SERIES RATED
CIRCUIT CODE (CC): N : NON–CONTINUOUS; L : LONG–CONTINUOUS; R: DEMANDABLE RECEPTACLES; K: KITCHEN

CKT NO.	VA LOAD A	VA LOAD B	VA LOAD C	LOAD DESCRIPTION	CC	TYPE CNT. M	R	L	C. B. TR	P	BUS A	B	C	C. B. TR	P	TYPE CNT. L	R	M	CC	LOAD DESCRIPTION	VA LOAD A	VA LOAD B	VA LOAD C	CKT NO.
1	1206			WHSP–1 11.6A	L			15	20	1	X			15	2	X			N	WHSP–5 7.7 AMPS	2135			2
3		1206		-----	L			---	---	---		X		---	---				N	-----		2135		4
5	1206			WHSP–3 11.6A	N			15	20	1	X			15	2	X			N	WHSP–6 7.7 AMPS	2135			6
7		1206		-----	N			---	---	---		X		---	---				N	-----		2135		8
9			1206	WHSP–9 11.6A	N			15	20	1			X	---	---				N	WHSP–7 7.8 AMPS			2163	10
11	1128			EF–1 1/2HP	N			---	20	1	X			---	---				N	-----	2163			12
13		1128		EF–2 1/2HP	N			---	20	1		X		---	---				N	WHSP–8 12.1 AMPS		3356		14
15			1128	EF–3 1/6HP	N			---	20	1			X	---	---				N	-----			3356	16
17	504			EF–4 1/6HP	N			15	20	1	X			15	2	X			N	-----	3356			18
19		504		EF–5 1/6HP	N			---	20	1		X		---	---				N	-----		3356		20
21			504	EF–6 1/6HP	N			---	20	1			X	---	---				N	-----			3356	22
23	504			EF–7 1/6HP	N			---	20	1	X			---	---				N	-----	8320			24
25		504		EF–8 1/6HP	N			---	20	1		X		---	---				N	-----		8320		26
27			504	EF–9 1/6HP	N			---	20	1			X	---	---				N	-----			8320	28
29	828			TF–1 1/3 HP	N			---	20	1	X									SPACE				30
31		100		EF–10	N			---	20	1		X								SPACE				32
33			500	SAC–1 INDOOR	N			15	20	1			X							SPACE				34
35	500			-----	N			---	---	---	X									SPACE				36
37		1113		SAC–2 OUTDOOR	N			15	20	1		X								SPACE				38
39			1113	-----	N			---	---	---			X							SPACE				40
41	5876	5761	5537	PHASE TOTALS																	7296	7293	7989	

Total Phase A: 7296
Total Phase B: 7293
Total Phase C: 7989

L – PROVIDE LOCK–ON DEVICE

R – DENOTES CIRCUIT BREAKER TO BE COLOR RED AND LABELED AS "FIRE ALARM CIRCUIT"

9/7/06 11:11 AM

PANEL: K — KITCHEN 106 — FLUSH
PANELVOLTAGE: 120/208 3P, 4W — BUS: 100A — MAIN: L.O. — AIC RATING: 65000 SERIES RATED
CIRCUIT CODE (CC): N : NON–CONTINUOUS; L : LONG–CONTINUOUS; R: DEMANDABLE RECEPTACLES; K: KITCHEN

CKT NO.	VA LOAD A	VA LOAD B	VA LOAD C	LOAD DESCRIPTION	CC	TYPE CNT. M	R	L	C. B. TR	P	BUS A	B	C	C. B. TR	P	TYPE CNT. L	R	M	CC	LOAD DESCRIPTION	VA LOAD A	VA LOAD B	VA LOAD C	CKT NO.
1	2756			ICE MAKER #5	K	1			30	2	X			40	2	X			K	OFFICE DESK RECEPTACLE	500			2
3		2756		----	K	-			---	---		X		---	---				R	OFFICE RECEPTACLES		360		4
5			2756	PREP AREA CONVENIENCE RECEPTACLES	K	1			20	1			X	---	---				R	POS STATION #68			500	6
7	360			PREP AREA CONVENIENCE RECEPTACLES	K	1			20	1	X			---	---				K	L – FIRE PROTECTION SYSTEM	600			8
9		360		PREP AREA CONVENIENCE RECEPTACLES	K	2			20	1		X		---	---				K	OVERHEAD FOOD WARMER #55		1296		10
11			1623	ESPRESSO COFFEE MACHINE #46	K	-			---	---			X	---	---				K	DROP–IN HEATED SHELF #54			132	12
13	1623			COFFEE MAKER #43	K	-			---	---	X			---	---				K	SANDWICH/SALAD PREP #52	1032			14
15		1768		COFFEE GRINDER #45	K	1			30	2		X		---	---				K	DROP–IN HOT WELLS #51		2247		16
17			1768	COFFEE MAKER #42	K	-			---	---			X	---	---				K	-----			2247	18
19	600			REFRIGERATED DISPLAY CASE #56	K	1			20	1	X			---	---				K	DRINK DISPENSER #60	1800			20
21		1000		REFRIGERATED DISPLAY CASE #56	K	1			20	1		X		---	---				K	DRINK DISPENSER #60		1800		22
23	2247			DROP–IN HOT WELLS #51	K	1			20	1	X			---	---				K	DRINK DISPENSER #60			1800	24
25		2247		-----	K	-			---	---		X		---	---				K	DRINK DISPENSER #60	1800			26
27	1128			F – CONVECTION OVEN #31	K	1			20	1			X	---	---				K	SODA DISPENSER #63		600		28
29		1128		F – DEEP FAT FRYER #36	K	1			20	1	X			---	---				K	CARBONATOR #64			600	30
31	1000			F – ROLL–N REFRIGERATOR #38	K	1			20	1		X		---	---				K	DROP–IN HOT WELLS #66	804			32
33		600		F – EXHAUST HOOD #27	K	1			20	1			X	---	---				K	DROP–IN HOT WELLS #65		804		34
35	500			REFRIGERATED DISPLAY CASE #56	K	1			20	1	X			---	---				K	SPARE			804	36
37		500		EXHAUST HOOD BLOWER #28	K				---	---		X		---	---				K	SPARE		1000		38
39			500	MAKE–UP AIR SYSTEM #29	K				---	---			X	---	---				K	ROLL–UP GRILL	1000			40
41	9086	8112	8358	PHASE TOTALS															K	ROLL–UP GRILL		1000	1000	42

CONNECTED VA (CODE N): 6536 8107 6279
CONNECTED VA (CODE L): 2000
CONNECTED VA (CODE R): 2620
CONNECTED VA (CODE K): 41858
TOTAL CONNECTED KVA: 46.5
DEMAND KVA: -14.7
TOTAL ADJUSTED KVA: 31.9
TOTAL PANEL AMPS: 88.7
AMPS W/LCL: 88.7

Total Phase A: 15622
Total Phase B: 16219
Total Phase C: 14637

F – DENOTES CIRCUIT TO BE OPERATED BY SHUNT TRIP BREAKER AND CONTROLLED BY FIRE PROTECTION SYSTEM PER MANUFACTURER'S REQUIREMENTS.

L – PROVIDE LOCK–ON DEVICE

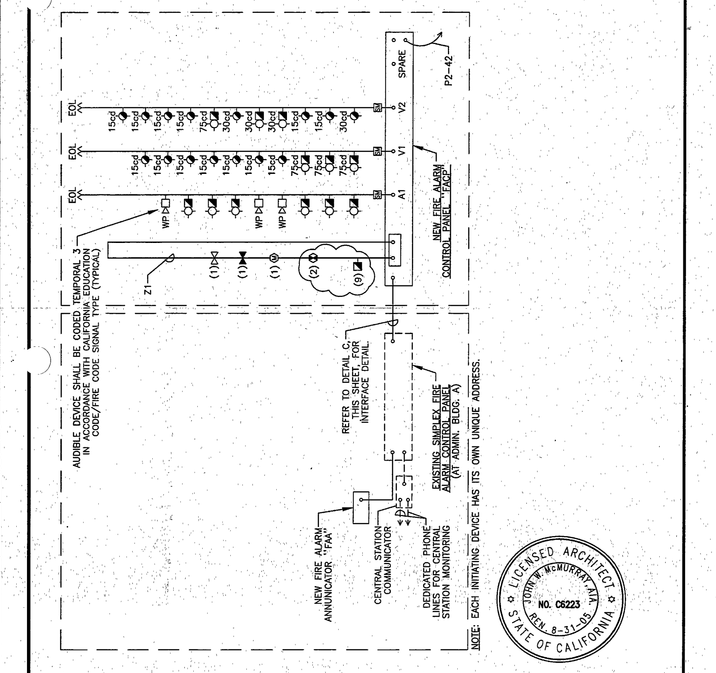
9/7/06 1:17 PM

CIRCUIT CODE (CC): N : NON–CONTINUOUS; L : LONG–CONTINUOUS; R: DEMANDABLE RECEPTACLES; K: KITCHEN

PANEL: P1 — ELEC ROOM — SURFACE
PANELVOLTAGE: 120/208 3P, 4W — BUS: 400A — MAIN: 350A, 3P — AIC RATING: 10,000 SERIES RATED

CKT NO.	VA LOAD A	VA LOAD B	VA LOAD C	LOAD DESCRIPTION	CC	TYPE CNT. M	R	L	C. B. TR	P	BUS A	B	C	C. B. TR	P	TYPE CNT. L	R	M	CC	LOAD DESCRIPTION	VA LOAD A	VA LOAD B	VA LOAD C	CKT NO.
1	1225			EXTERIOR WALL LIGHTS	L			13	20	1	X			20	1				N	SPARE				2
3		1100		EXTERIOR WALL LIGHTS	L			11	20	1		X		20	1				N	SPARE				4
5			1100	EXTERIOR WALL LIGHTS	L			11	20	1			X	20	3	X			N	SPARE				6
7	1000			FOLDING PARTITION DOOR	N				---	---	X			---	---	X			N	SPARE				8
9		1000		-----

FIRE ALARM RISER DIAGRAM



LICENSED ARCHITECT — JOHN W. NEWMARCH — NO. C8223 — REN. 8-31-07 — STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 714.673.0300 f: 714.673.9267

tBP architecture planning interiors management

ADDENDUM NO.	- 1
DATE:	10/25/06
DSA NO.	14 -107979
THIS REVISES IN PART	
SHEET:	ED-5
SHEET:	ER-09

FIRE ALARM CALCULATIONS

* * * BATTERY SIZING CALCULATION * * *

PROJECT NAME: SAN ELIJO STUDENT CENTER (MIRA COSTA COLLEGE – SAN ELIJO CAMPUS)
PANEL NAME/LOCATION: "FACP"/BUILDING C (STUDENT CENTER)

DEVICE	DEVICE NAME	QTY	STD-BY PER DEVICE(AMPS)	ALARM PER DEVICE(AMPS)	STD-BY (AMPS)	ALARM (AMPS)
CONTROL PANEL	NOTIFIER NFS-3030	1	0.166000	0.166000	0.16600	0.16600
PULL STATION	NOTIFIER BG-12LX	2	0.000035	0.000035	0.00007	0.00007
SMOKE DETECTOR	NOTIFIER FSP-851	2	0.000035	0.000035	0.00007	0.00007
WP HORN	WHEELOCK AH-24WP	0	0.000000	0.060000	0.00000	0.00000
15cd HORN/STROBE	WHEELOCK HS-24MCW	0	0.000000	0.060000	0.00000	0.00000
30cd HORN/STROBE	WHEELOCK HS-24MCW	0	0.000000	0.077000	0.00000	0.00000
75cd HORN/STROBE	WHEELOCK HS-24MCW	4	0.000000	0.121000	0.00000	0.00000
15cd STROBE	WHEELOCK RSS-24MCW	13	0.000000	0.034000	0.00000	0.00000
30cd STROBE	WHEELOCK RSS-24MCW	0	0.000000	0.034000	0.00000	0.00000
75cd STROBE	WHEELOCK RSS-24MCW	0	0.000000	0.110000	0.00000	0.00000
CEILING SPEAKER	WHEELOCK SPSCT-70/25	0	0.000000	0.155000	0.00000	0.00000
MONITOR MODULE	NOTIFIER FMM-1	1	0.000035	0.000035	0.00004	0.00004
			0.000000	0.000000	0.00000	0.00000
			0.000000	0.000000	0.00000	0.00000
			0.000000	0.000000	0.00000	0.00000
				TOTALS	0.166	1.834

STAND-BY LOAD = 0.166 AMPS
STAND-BY TIME = 60 HRS
STAND-BY = 9.960 Ah (AMP HRS)

ALARM LOAD = 1.834 AMPS
ALARM TIME = 10 / 60 HRS
ALARM = 0.272 Ah (AMP HRS)

TOTAL = STAND-BY + ALARM ---->

STAND-BY =	9.960	Ah (AMP HRS)
ALARM =	0.272	Ah (AMP HRS)
TOTAL =	10.231	Ah (AMP HRS)
DERATING FACTOR (+ 125%)=	12.826	Ah (AMP HRS)

* * * MINIMUM BATTERY SIZE = 12.826 Ah (AMP HRS) * * *

SYMBOLS LIST

SYMBOL	DESCRIPTION	MODEL	MANUFACTURER
	EXISTING FIRE ALARM CONTROL PANEL	EXISTING	SIMPLEX
	NEW FIRE ALARM CONTROL PANEL	NFS-3030	NOTIFIER
	CENTRAL STATION COMMUNICATOR	UDACT	NOTIFIER
	MANUAL PULL STATION (ADDRESSABLE)	NBG-12LX	NOTIFIER
	AREA SMOKE DETECTOR (ADDRESSABLE)	FSP-851	NOTIFIER
	AREA HEAT DETECTOR (ADDRESSABLE)	FST-851	NOTIFIER
	FIRE ALARM MONITOR MODULE	FMM-1	NOTIFIER
WP	WEATHERPROOF FIRE ALARM HORN	AH-24WP	WHEELOCK
15cd	FIRE ALARM HORN/STROBE (15cd)	HS4-24MCW	WHEELOCK
30cd	FIRE ALARM HORN/STROBE (30cd)	HS4-24MCW	WHEELOCK
75cd	FIRE ALARM HORN/STROBE (75cd)	HS4-24MCW	WHEELOCK
15cd	FIRE ALARM STROBE (15cd)	RSS-24MCW	WHEELOCK

LICENSED ARCHITECT — JOHN W. NEWMARCH — NO. C8223 — REN. 8-31-07 — STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 714.673.0300 f: 714.673.9267

tBP architecture planning interiors management

ADDENDUM NO.	- 1
DATE:	10/25/06
DSA NO.	14 -107979
THIS REVISES IN PART	
SHEET:	ED-5
SHEET:	ER-10

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

GENERAL NOTES

1. FIRE ALARM SYSTEM IS A MANUAL SYSTEM.
2. ALL WALL-MOUNTED AUDIBLE & VISUAL SIGNALING APPLIANCES SHALL HAVE THEIR HEIGHTS ABOVE THE FINISHED FLOOR AT 90" TO BOTTOM. NFPA 72, 1996 EDITION, ALLOWS 80"-96" FOR VISUAL DEVICES (CH. 6-4.4) AND REQUIRES A MINIMUM OF 90" TO TOP FOR AUDIBLE DEVICES (CH. 6-3.7).
3. ALL EQUIPMENT SHALL BE U.L. AND C.S.F.M. LISTED.
4. ALL WIRING SHALL BE IN ACCORDANCE WITH THE C.E.C. AND AUTHORITIES HAVING JURISDICTION.
5. ALL JUNCTION BOXES SHALL BE SIZED IN ACCORDANCE WITH THE C.E.C.
6. ELECTRICAL CONTRACTOR SHALL FURNISH ACCESS PANELS TO AREAS THAT REQUIRE SERVICING, TROUBLE SHOOTING, ETC.
7. DO NOT DEVIATE FROM CONDUIT RUNS AS SHOWN ON FLOOR PLANS WITHOUT PRIOR APPROVAL FROM SYSTEM SUPPLIER. FACTORS SUCH AS EXCESSIVE VOLTAGE DROP, ADDITIONAL PARTS, ENGINEERING, ETC., THAT ARE A RESULT OF CONDUIT RUN DEVIATIONS SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
8. DETECTORS SHALL NOT BE LOCATED IN A DIRECT AIR-FLOW, NOR CLOSER THAN 3 FEET (900mm) FROM AN AIR SUPPLY DIFFUSER.
9. ALL FAN SHUTDOWN FUNCTIONS, DAMPER CLOSURES, AND ASSOCIATED MECHANICAL SYSTEM FIRE ALARM INTERFACE SHALL BE BY MECHANICAL CONTRACTOR.
10. ALL DUCT SMOKE DETECTORS SHALL BE MOUNTED BY THE MECHANICAL CONTRACTOR. DUCT SMOKE DETECTORS EXPOSED TO THE WEATHER SHALL BE WEATHER PROTECTED BY THE MECHANICAL CONTRACTOR. ALL AIR VELOCITY TESTING SHALL BE PERFORMED BY THE MECHANICAL CONTRACTOR.
11. ALL 120VAC POWER REQUIREMENTS FOR THE FIRE ALARM SYSTEM SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR AND SHALL MEET ALL REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
12. ALL FIRE ALARM DEVICE BACKBOXES, FIRE ALARM TERMINAL CABINETS, GUTTERS, JUNCTION BOXES, AND ASSOCIATED CONDUITS SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED. REFER TO THE FIRE ALARM SYMBOL LIST AND/OR MOUNTING DETAILS FOR ADDITIONAL INFORMATION. SYSTEM SUPPLIER PROVIDED BACKBOXES SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
13. SMOKE DETECTOR TESTING SHALL BE ACCOMPLISHED WITH TEST MAGNETS AS PER THE MANUFACTURER'S INSTRUCTIONS.
14. ALL WIRING, INITIATING DEVICES, AND ANNUNCIATOR PANEL SHALL BE SUPERVISED TO THE PRINCIPAL POINT OF ANNUNCIATION. THE FIRE ALARM CONTROL PANEL TO SUPERVISE THE ANNUNCIATOR PANEL, ALL INITIATING AND INDICATING DEVICE CIRCUITS. PERFORMANCE OF CIRCUITS SHALL BE AS FOLLOWS:
    A. INITIATING DEVICE CIRCUITS (IDC): CLASS B, STYLE B
    B. SIGNALING LINE CIRCUITS (SLC): CLASS B, STYLE 4
    C. NOTIFICATION APPLIANCE CIRCUITS (NAC): CLASS B, STYLE Y
15. ALL WIRING SHALL BE CUT FOR IN AND OUT. WIRING SHALL NOT BE LOOPED THROUGH DEVICES.
16. POINT AND COMMON ANNUNCIATION AND T-TAPPING ARE PROHIBITED.
17. PROVIDE 3/4" CONDUIT FROM FIRE ALARM CONTROL PANEL TO TELEPHONE BACKBOARD FOR OWNER PROVIDED CENTRAL STATION MONITORING.
18. THE ALARM SYSTEM SHALL HAVE AN AUDIBILITY OF NOT LESS THAN THAN 15dB ABOVE AMBIENT NOISE LEVELS. TESTING SHALL BE ACCOMPLISHED WITH A dB METER.
19. ALL CONDUITS 3/4" UNLESS OTHERWISE NOTED.
20. ALL FLOW SWITCHES SHALL BE 2-WIRE WITH NON-ELECTRONIC RETARD TYPE SIMILAR TO THE SYSTEM SENSOR MODEL "WFD" SERIES ONLY.
21. ALL DEVICES IN THE ALARM SYSTEM SHALL BE COMPATIBLE AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
22. SYSTEM SHALL BE FURNISHED AND INSTALLED BY AN AUTHORIZED DISTRIBUTOR.
23. THE FIRE ALARM EVACUATION SIGNAL SHALL BE THE STANDARD THREE-PULSE TEMPORAL PATTERN PER THE "EXCEPTION" OF THE 2001 CALIFORNIA BUILDING CODE, SECTION 3505.1, SUBSECTION 1-5.4.7.1. EXCEPTION: WHEN A FIRE ALARM SYSTEM HAVING A DISTINCTIVE TONE, AND WHICH IS USE FOR NO OTHER PURPOSE, IS INSTALLED, THE MATTER OF SOUNDING SUCH ALARM SHALL NOT BE SUBJECT TO THE PROVISIONS OF EDUCATION CODE SECTIONS 32002, 32003 AND 32004.
24. PROVIDE A LABEL WITHIN THE FACP AND EACH POWER SUPPLY WITH THE PANEL NUMBER AND CIRCUIT NUMBER OF THE 120VOLT POWER SOURCE.
25. WHERE HORNS/STROBES OCCUR AT WHITEBOARDS, LOCATE DEVICE(S) +4" ABOVE TOP OF WHITEBOARD.
26. WHERE A DETECTOR IS INSTALLED ABOVE THE CEILING, THE DETECTOR SHALL BE EASILY ACCESSIBLE AND THE LOCATION OF THE DETECTOR SHALL BE CLEARLY MARKED. FOR DUCT SMOKE DETECTORS A REMOTE TEST STATION SHALL BE PROVIDED.

APPLICABLE CODES AND STANDARDS

1.0 FIRE ALARM PLAN REVIEW

A. FIRE ALARM PLAN REVIEW

AS PART OF THE FIRE ALARM PLAN REVIEW, PLANS AND SPECIFICATIONS FOR THE FIRE ALARM SYSTEM HAVE BEEN INCLUDED FOR REVIEW AND COMMENT BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY.
THE FLOOR PLANS AND SPECIFICATIONS INCLUDE THE FOLLOWING:
LOCATIONS OF ALL ALARM-INITIATING AND SIGNALING DEVICES, CONTROL AND TROUBLE SIGNALING EQUIPMENT (FIRE ALARM CONTROL PANEL).

B. FIRE ALARM SYSTEM IS AN AUTOMATIC SYSTEM.

2.0 APPLICABLE CODES AND STANDARDS

A. APPLICABLE CODES AND STANDARDS

2001 Building Standards Administrative Code, Part 1, Title 24 C.C.R.
2001 California Building Code (CBC), Part 2, Title 24 C.C.R.
2004 California Electrical Code (CEC), Part 3, Title 24 C.C.R.
2001 California Mechanical Code (CMC), Part 4, Title 24 C.C.R.
2001 California Plumbing Code (CPC), Part 5, Title 24 C.C.R.
2005 California Energy Code, Part 6, Title 24 C.C.R.
2001 California Elevator Safety Construction Code, Part 7, Title 24 C.C.R.
2001 California Historical Building Code, Part 8, Title 24 C.C.R.
2001 California Fire Code (CFC), Part 9, Title 24 C.C.R.
2001 California Referenced Standards Code, Part 12, Title 24 C.C.R.
1990 Title 19 C.C.R., Public Safety, State Fire Marshall Regulations.

B. PARTIAL LIST OF APPLICABLE NFPA STANDARDS:

NFPA 13 - Automatic Sprinkler Systems	1999 Edition
NFPA 14 - Standpipes Systems	2000 Edition
NFPA 17 - Dry Chemical Extinguishing Systems	1998 Edition
NFPA 17a - Wet Chemical Systems	1998 Edition
NFPA 20 - Stationary Pumps	1999 Edition
NFPA 24 - Private Fire Mains (included in 1999 NFPA 13)	1995 Edition
NFPA 72 - National Fire Alarm Code (California Amended) (Note: See UL Standard 1971 for "Visual Devices")	1999 Edition
NFPA 253 - Critical Radiant Flux of Floor Covering Systems	2000 Edition
NFPA 2001 - Clean Agent Fire Extinguishing Systems	2000 Edition
Reference code section for NFPA Standards - 2001 CBC [sfm] 3504.1	

3.0 UPON RECEIPT OF THE CERTIFICATE OF COMPLIANCE, THE INSTALLER SHALL SUPPLY THE OWNER WITH A WRITTEN OPERATING, TESTING AND MAINTENANCE INSTRUCTIONS, POINT-TO-POINT AS-BUILT DRAWINGS AND EQUIPMENT SPECIFICATIONS FOR THE NEW FIRE ALARM SYSTEM PROVIDED THROUGHOUT THE NEW FACILITY.

4.0 THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760, CALIFORNIA ELECTRICAL CODE. INSTALLATION OF THE SYSTEM SHALL NOT BEGIN UNTIL DETAILED PLANS AND SPECIFICATIONS INCLUDING SFM LISTING NUMBERS FOR EACH COMPONENT HAVE BEEN APPROVED BY DSA-ORS. UPON COMPLETION OF THE INSTALLATION, A TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

FIRE ALARM CALCULATIONS

* * * BATTERY SIZING CALCULATION * * *

PROJECT NAME: SAN ELIJO STUDENT CENTER (MIRA COSTA COLLEGE - SAN ALIJO CAMPUS)
PANEL NAME/LOCATION: "FACP"/BUILDING C (STUDENT CENTER)

DEVICE	DEVICE NAME	QTY	STD-BY PER DEVICE (AMPS)	ALARM PER DEVICE(AMPS)	STD-BY (AMPS)	ALARM (AMPS)
CONTROL PANEL	NOTIFIER NFS-3030	1	0.16200	0.16200	0.16200	0.16200
PULL STATION	NOTIFIER NBG-12LX	7	0.00038	0.00038	0.00263	0.00263
SMOKE DETECTOR	NOTIFIER FSP-751	1	0.00036	0.00036	0.00036	0.00036
WP HORN	WHEELOCK AH-24WP	4	0.00000	0.01700	0.00000	0.06800
15cd HORN/STROBE	WHEELOCK AS-24MCW	0	0.00000	0.05200	0.00000	0.00000
30cd HORN/STROBE	WHEELOCK AS-24MCW	2	0.00000	0.07600	0.00000	0.15200
75cd HORN/STROBE	WHEELOCK AS-24MCW	4	0.00000	0.12100	0.00000	0.48400
15cd STROBE	WHEELOCK RSS-24MCW	13	0.00000	0.04100	0.00000	0.53300
30cd STROBE	WHEELOCK RSS-24MCW	2	0.00000	0.06300	0.00000	0.12600
75cd STROBE	WHEELOCK RSS-24MCW	0	0.00000	0.10900	0.00000	0.00000
SYNC MODULE	WHEELOCK DSM-12/24	3	0.00000	0.03500	0.00000	0.10500
MONITOR MODULE	NOTIFIER FMM-1	1	0.00038	0.00038	0.00038	0.00038
			0.00000	0.00000	0.00000	0.00000
			0.00000	0.00000	0.00000	0.00000
			0.00000	0.00000	0.00000	0.00000
				TOTALS	0.165	1.633

STAND-BY LOAD = 0.165 AMPS
STAND-BY TIME = 60 HRS
STAND-BY = 9.922 Ah (AMP HRS)

ALARM LOAD = 1.633 AMPS
ALARM TIME = 10 / 60 HRS
ALARM = 0.272 Ah (AMP HRS)

TOTAL = STAND-BY + ALARM --->
STAND-BY = 9.922 Ah (AMP HRS)
ALARM = 0.272 Ah (AMP HRS)
TOTAL = 10.194 Ah (AMP HRS)
DERATING FACTOR (x 125%)= 12.742 Ah (AMP HRS)

* * * MINIMUM BATTERY SIZE = 12.742 Ah (AMP HRS) * * *

* * * VOLTAGE DROP CALCULATIONS * * *

PROJECT NAME: SAN ELIJO STUDENT CENTER (MIRA COSTA COLLEGE - SAN ALIJO CAMPUS)
PANEL NAME: "FACP"

		SIGNAL CIRCUIT							
		AUDIBLE	A1	VISUAL	V1	VISUAL	V2	SPARE	-
DEVICE	DEVICE CURRENT (AMPS)	QTY	CURR	QTY	CURR	QTY	CURR	QTY	CURR
STROBE 15cd	0.052	0	0.000	7	0.364	6	0.312	0	0.000
STROBE 30cd	0.076	0	0.000	0	0.000	4	0.304	0	0.000
STROBE 75cd	0.121	0	0.000	3	0.363	1	0.121	0	0.000
HORN	0.017	6	0.102	0	0.000	0	0.000	0	0.000
WP HORN	0.017	4	0.068	0	0.000	0	0.000	0	0.000
		0	0.000	0	0.000	0	0.000	0	0.000
		0	0.000	0	0.000	0	0.000	0	0.000
	TOTAL CURRENT ON CIRCUIT	0.170 AMPS		0.727 AMPS		0.737 AMPS		0.000 AMPS	
	TOTAL WIRE LENGTH	800 FT		250 FT		250 FT		0 FT	
	% VOLTAGE DROP	1.874 %		2.505 %		2.539 %		0.000 %	
	WIRE SIZE	12 AWG		12 AWG		12 AWG		12 AWG	
	CIRCUIT LOCATION	BLDG. C		BLDG. C		BLDG. C		-	

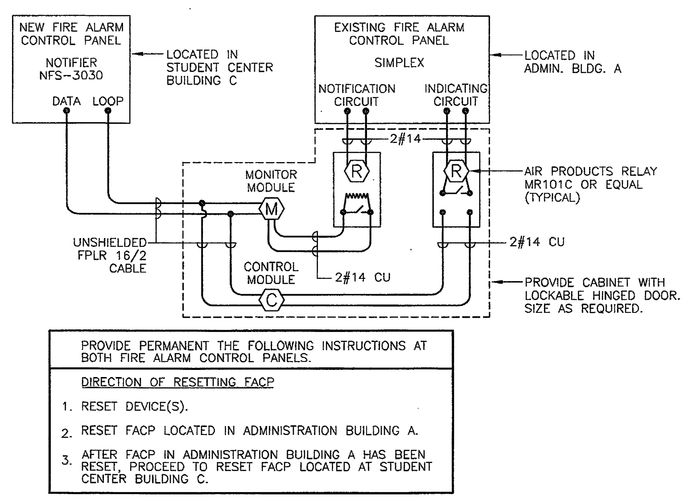
CIRC. MILLS
18 AWG=1620
16 AWG=2580
14 AWG=4110
12 AWG=6530

VOLTAGE DROP = DISTANCE x TOTAL CURR. x 21.6 / CIRCULAR MILS

% VOLTAGE DROP = VOLTAGE DROP x 100 / 24 VOLTS

TYPICAL DEVICE WIRING DETAILS

SCALE: NONE | D



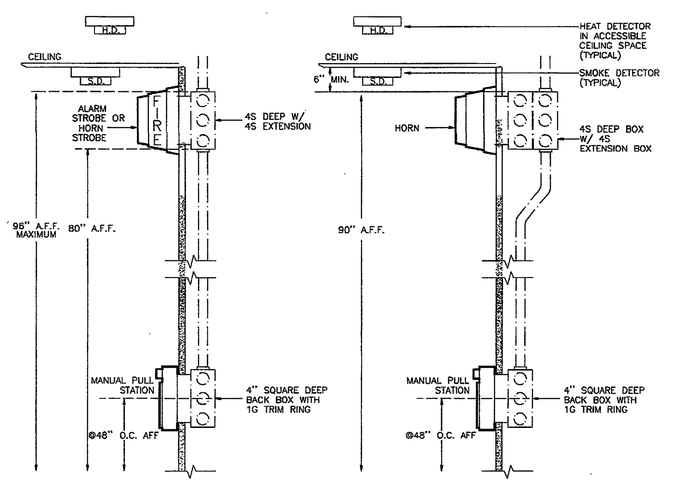
PROVIDE PERMANENT THE FOLLOWING INSTRUCTIONS AT BOTH FIRE ALARM CONTROL PANELS.

DIRECTION OF RESETTING FACP

1. RESET DEVICE(S).
2. RESET FACP LOCATED IN ADMINISTRATION BUILDING A.
3. AFTER FACP IN ADMINISTRATION BUILDING A HAS BEEN RESET, PROCEED TO RESET FACP LOCATED AT STUDENT CENTER BUILDING C.

FACP INTERFACE DETAIL

SCALE: NONE | C



HEIGHT REQUIREMENTS PULL STATION - STROBE OR HORN/STROBE

HEIGHT REQUIREMENTS PULL STATION - HORN

TYPICAL DEVICE MOUNTING DETAILS

SCALE: NONE | B

SYMBOLS LIST

SYMBOL	DESCRIPTION	MODEL	MANUFACTURER	BACKBOX	MOUNTING HEIGHT	C.S.F.M. NUMBER
	EXISTING FIRE ALARM CONTROL PANEL	EXISTING	SIMPLEX NOTIFIER AFP200 CSFM #7165-0028:164	EXISTING	EXISTING	EXISTING
	NEW FIRE ALARM CONTROL PANEL	NFS-3030	NOTIFIER	PROVIDED	5'-6" A.F.F. TO TOP	7165-0028:224
	CENTRAL STATION COMMUNICATOR	UDACT	NOTIFIER	PROVIDED	VERIFY IN FIELD	7300-0028:174
	MANUAL PULL STATION (ADDRESSABLE)	NBG-12LX	NOTIFIER	4S DEEP BOX W/ SINGLE GANG RING	48" A.F.F. TO CENTER	7150-0028:199
	AREA SMOKE DETECTOR (ADDRESSABLE)	FSP-851	NOTIFIER	4S DEEP BOX W/ 3-0 RING	CEILING	7272-0028:206
	AREA HEAT DETECTOR (ADDRESSABLE)	FST-851	NOTIFIER	4S DEEP BOX W/ 3-0 RING	ABOVE ACCESSIBLE CEILING, UNO	7270-0028:196
	FIRE ALARM MONITOR MODULE	FMM-1	NOTIFIER	4S DEEP BOX	VERIFY IN FIELD	7300-0028:202
WP	WEATHERPROOF FIRE ALARM HORN	AH-24WP	WHEELOCK	WEATHERPROOF BACKBOX PROVIDED	90" A.F.F. TO TOP	7125-0785:131
15cd	FIRE ALARM HORN/STROBE (15cd)	AS-24MCW	WHEELOCK	4S DEEP BOX W/ 4S EXTENSION	80" A.F.F. TO BOTTOM	7125-0785:131
30cd	FIRE ALARM HORN/STROBE (30cd)	AS-24MCW	WHEELOCK	4S DEEP BOX W/ 4S EXTENSION	80" A.F.F. TO BOTTOM	7125-0785:131
75cd	FIRE ALARM HORN/STROBE (75cd)	AS-24MCW	WHEELOCK	4S DEEP BOX W/ 4S EXTENSION	80" A.F.F. TO BOTTOM	7125-0785:131
15cd	FIRE ALARM STROBE (15cd)	RSS-24MCW	WHEELOCK	4S DEEP BOX W/ 4S EXTENSION	80" A.F.F. TO BOTTOM	7125-0785:141
30cd	FIRE ALARM STROBE (30cd)	RSS-24MCW	WHEELOCK	4S DEEP BOX W/ 4S EXTENSION	80" A.F.F. TO BOTTOM	7125-0785:141
75cd	FIRE ALARM STROBE (75cd) SEE E1.10	RSS-24MCW	WHEELOCK	4S DEEP BOX W/ 4S EXTENSION	80" A.F.F. TO BOTTOM	7125-0785:141
SM	FIRE ALARM SYNC MODULE	DSM-12/24	WHEELOCK	4S DEEP BOX	VERIFY IN FIELD	7300-0785:132
	MONITOR MODULE FOR SPRINKLER WATERFLOW	FMM-1	NOTIFIER	4S DEEP BOX	VERIFY IN FIELD	7300-0028:202
	MONITOR MODULE FOR SPRINKLER TAMPER	FMM-1	NOTIFIER	4S DEEP BOX	VERIFY IN FIELD	7300-0028:202
WP	FIRE SPRINKLER RISER BELL	43T-G10-24	WHEELOCK	WEATHERPROOF BACKBOX PROVIDED	90" A.F.F. TO TOP	7135-0785:108

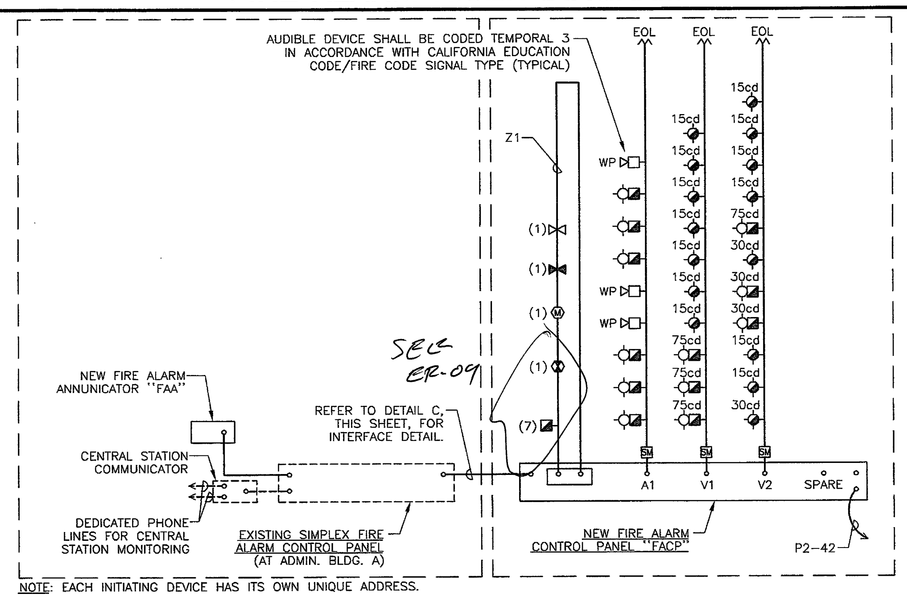
WIRE LEGEND

SYMBOL	DESCRIPTION	NUMBER OF CONDUCTORS	SIZE	TYPE	COLOR CODE
A	SIGNALING CIRCUIT - AUDIBLE	TWO	#12	THHN	RED/BLACK
C	TEMPORAL CODING	TWO	#12	FPL/THHN	WHITE/BLUE
D	DATA LINE - SERIAL COMMUNICATIONS	TWISTED PAIR/SHIELDED	#18	FPL	RED (JACKET)
P	DEVICE POWER - 24VDC	TWO	#12	FPL/THHN	PINK/PURPLE
V	SIGNALING CIRCUIT - VISUAL	TWO	#12	THHN	YELLOW/BLUE
Z	DATA LINE - ADDRESSABLE DEVICE	(2) TWISTED PAIR	#16	FPL	RED (JACKET)

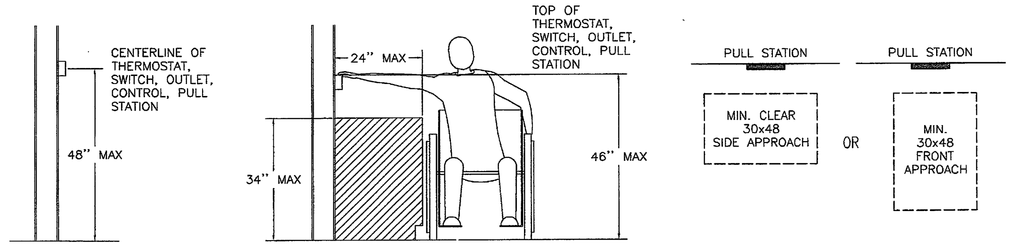
SEQUENCE OF OPERATIONS

ACTION \ DEVICE	MANUAL PULL STATION	AREA SMOKE DETECTOR	AREA HEAT DETECTOR	120VAC POWER FAILURE	SYSTEM LOW BATTERY	OPEN CIRCUIT	GROUND FAULT	NOTIFI-CATION CIRCUIT SHORT	SPRINKLER WATER FLOW SWITCH	SPRINKLER VALVE TAMPER SWITCH	ELEVATOR LOBBY SMOKE DETECTOR	ELEVATOR SHAFT/ MACH./ RM. HEAT DETECTOR	KITCHEN ANSUL SYSTEM
ANNUNCIATE/DISPLAY AT FIRE ALARM CONTROL PANEL (ALARM, TROUBLE OR SUPERVISORY)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SOUND FIRE ALARM CONTROL PANEL TROUBLE BUZZER (ALARM, TROUBLE OR SUPERVISORY)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ANNUNCIATE AT REMOTE FIRE ALARM ANNUNCIATOR (ALARM TROUBLE OR SUPERVISORY)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ACTIVATE RELAY FOR CENTRAL STATION MONITORING (ALARM, TROUBLE OR SUPERVISORY)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ACTIVATE AUDIBLE/ VISUAL ALARM SIGNAL THROUGHOUT BUILDING	YES	YES	YES	NO	NO	NO	NO	NO	YES	NO	YES	YES	YES
SHUT DOWN ALL AIR HANDLING (HVAC) THROUGHOUT BUILDING	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
SOUND SPRINKLER BELL	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO
RECALL ELEVATOR TO PRIMARY RECALL FLOOR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO

FIRE ALARM RISER DIAGRAM



NOTE: EACH INITIATING DEVICE HAS ITS OWN UNIQUE ADDRESS.



NOTE:
INDICATE ACCESSIBLE OPERATING HARDWARE AT INITIATING DEVICE (eg., NOT REQUIRING TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST, AND FORCE LESS THAN 5 LBS.)

TYPICAL DEVICE MOUNTING DETAILS

SCALE: NONE | A

PLAN NOTES

FIRE ALARM MONITORING NOTE

MANUAL FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISORY STATION AS REQUIRED BY NFPA 72 AS AMENDED BY ARTICLE 91. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

MANUAL FIRE ALARM SYSTEM COMPLETE PLAN SUBMITTAL

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.0267
architect

GLP #115,050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805
consultant

Division of the State Architect
1660 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

DSA IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
ACCESS BY DSA
SEP 2 9 2006
DATE

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 - SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

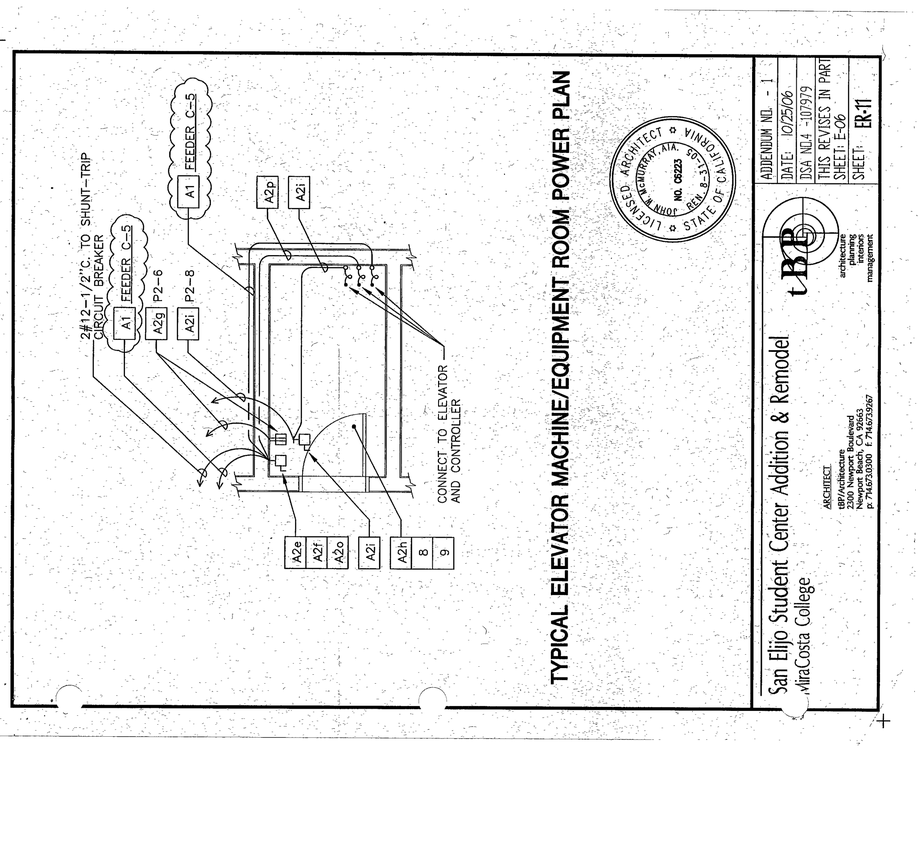
owner

tBP project number : 20484.10
file name: DAS-00.dwg
drawn by: CG checked by:
date: 09/19/06

Rev:	date:	description:

drawing title: FIRE ALARM INFORMATION
building no:
drawing no: E0-5
drawing 101 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



TYPICAL ELEVATOR MACHINE/EQUIPMENT ROOM POWER PLAN

LICENSED ARCHITECT JOHN W. BERGMANN, A.I.A. REG. # C-13223 NO. C8223 STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ADDENDUM NO. - 1
DATE: 10/25/06
DSA NO.4 -107979
THIS REVISES IN PART
SHEET: E-06
SHEET: ER-11

ARCHITECT
tBB Architecture
2000 Newport Boulevard
Newport Beach, CA 92663
p. 714.673.0300 f. 714.673.9267

tBB architecture planning interiors management

A2a DENOTES REFERENCES TO NOTES BELOW.
LETTERS/NUMBERS REFER TO PARAGRAPHS BELOW.

A. ELEVATOR ELECTRICAL REQUIREMENTS

1. POWER FEEDER FOR ELEVATOR.

2. MACHINE/EQUIPMENT ROOM SPECIFIC REQUIREMENTS::

a. THE LIGHT SWITCH FOR THE ELEVATOR MACHINE ROOM SHALL BE LOCATED INSIDE THE ELEVATOR MACHINE ROOM AND CONVENIENT TO THE ELEVATOR MACHINE ROOM DOOR.

b. MINIMUM LIGHTING ILLUMINATION LEVELS IN THE ELEVATOR MACHINE ROOM SHALL BE 19 FOOTCANDLES. ASME A17.1 SECTION 2.7.5.1.

c. IF LIGHTING FIXTURE IS LESS THAN 8 FEET ABOVE FINISHED FLOOR, FIXTURE SHALL HAVE A LAMP GUARD.

d. PROVIDE DEDICATED 20 AMP, 120 VOLT CIRCUIT FOR ELEVATOR MACHINE ROOM LIGHTING.

e. PROVIDE FUSIBLE DISCONNECT SWITCH WITH FIRE SAFETY INTERFACE COMPONENTS INCLUDING, CLASS J FUSE BLOCK AND FUSES FOR SELECTIVE COORDINATION UTILIZING LOW-DETAIL FUSES, COVER INTERLOCK, HANDLE LOCK, CONTROL POWER INTERFACE RELAYS, AUXILIARY CONTACTS FOR BATTERY LOWERING, INTEGRAL CONTROL POWER-VOLTAGE AS REQUIRED, GROUND LUG AND UL LISTED. BUSSMAN POWER MODULE PS SERIES OR EQUIVALENT BY FERRAZ SHAWMUT. DISCONNECT AND CONTROLS SHALL HAVE ACCESS PER NEC 620-72 AND SHALL BE LOCATED WITHIN 18 INCHES OF THE STRIKE JAMB OF THE ELEVATOR MACHINE ROOM DOOR. THE DISCONNECT SWITCH SHALL BE EXTERNALLY OPERABLE AND LOCKABLE IN THE "OPEN" POSITION. NEC 620-51(a),(c). NFPA 72-3-9.4. THE SHUNT TRIP SHALL NOT BE LOCATED IN THIS SWITCH OR IN THE ELEVATOR MACHINE ROOM. THE SHUNT TRIP SHALL BE LOCATED IN THE SWITCHBOARD OR DISTRIBUTION BOARD FEEDING THIS SWITCH OUTSIDE OF THE ELEVATOR MACHINE ROOM SO AS NOT NOT TO POTENTIALLY RESET POWER IN AN AREA OF STANDING WATER. ADDITIONALLY, THE SHUNT TRIP DEVICE IS NOT CONSIDERED PART OF THE ELEVATOR EQUIPMENT. SIZE SWITCH, FUSES AND REMOTE SHUNT TRIP BREAKER PER ELEVATOR MANUFACTURER'S REQUIREMENTS.

f. POWER FUSED DISCONNECT SWITCH TO HAVE GROUNDING PER NEC 620-82.

g. PROVIDE DEDICATED 20 AMP, 120 VOLT CIRCUIT FOR ELEVATOR MACHINE ROOM RECEPTACLE. PROVIDE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE RECEPTACLE IN ELEVATOR MACHINE ROOM.

h. THERE SHALL BE NO CONDUIT OR WIRING IN OR PASSING THROUGH THE ELEVATOR MACHINE ROOM NOT ASSOCIATED WITH THE ELEVATOR SYSTEMS. NEC 620-37.

i. PROVIDE A DEDICATED 20 AMP, 120 VOLT CIRCUIT AND FUSED DISCONNECT SWITCH IN ELEVATOR MACHINE ROOM FOR CAB POWER. DISCONNECT SWITCH SHALL BE LOCKABLE IN THE "OPEN" POSITION. NEC 620-51.

j. PROVIDE A DEDICATED 20 AMP, 120 VOLT CIRCUIT AND FUSED DISCONNECT SWITCH IN THE ELEVATOR MACHINE ROOM FOR CAB LIGHTING. DISCONNECT SWITCH SHALL BE LOCKABLE IN THE "OPEN" POSITION. NEC 620-51.

k. PROVIDE A 3/4"C. FOR A DEDICATED TELEPHONE LINE FROM THE ELEVATOR CONTROLLER TO THE BUILDING TELEPHONE BACKBOARD OR TELEPHONE COMPANY POINT OF ENTRY.

l. PROVIDE A CEILING MOUNTED HEAT DETECTOR IN ELEVATOR MACHINE ROOM, WITHIN 2 FEET OF THE FIRE SPRINKLER HEAD. ONLY HEAT DETECTOR(S) IN ELEVATOR MACHINE ROOM ACTIVATE THE SHUNT TRIP CIRCUIT BREAKER. HEAT DETECTOR SHALL BE 135 DEGREE RATE OF RISE. ASME A17-1 SECTION 2.8.2.3.2.

m. PROVIDE CEILING MOUNTED SMOKE DETECTOR IN ELEVATOR MACHINE ROOM.

n. PROVIDE DRY CONTACT IN FUSED DISCONNECT SWITCH FOR BATTERY BACK-UP CONTROL CIRCUIT.

o. PROVIDE 3/4"C. WITH CONTROL CONDUCTORS FOR INTERFACE WITH ELEVATOR BATTERY LOWERING SYSTEM.

p. PROVIDE HEAVY DUTY 8-FOOT, 4-LAMP FLUORESCENT STRIP FIXTURE WITH DIE-FORMED STEEL HOUSING, BAKED WHITE ENAMEL FINISH AND 14-GAUGE WIREGUARD DAYBRITE #HDS SERIES OR EQUIVALENT.

3. ELEVATOR PIT SPECIFIC REQUIREMENTS:

a. PROVIDE DEDICATED 20 AMP, 120 VOLT CIRCUIT WITH GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE CIRCUIT BREAKER FOR ELEVATOR PIT LIGHTING.

b. PROVIDE HEAVY DUTY ENCLOSED AND GASKETED ROUGH SERVICE LUMINAIRE WITH MALLEABLE IRON WALL MOUNTING HOOD/ARM, THREADED HUBS, GLOBE ADAPTER, SHOCK ABSORBING PORCELAIN SOCKET, GLASS GLOBE, STEEL GLOBE GUARD, NEOPRENE GASKETING AND UL LISTED WET LOCATIONS. APPLETON #V-51 SERIES OR EQUIVALENT.

c. THE ELEVATOR PIT ILLUMINATION LEVEL SHALL NOT BE LESS THAN 10 FOOTCANDLES. ASME A17.1 SECTION 2.2.5.1.

d. ELEVATOR PIT LIGHT SWITCH SHALL BE ADJACENT TO PIT LADDER AND 18 INCHES ABOVE SILL OF ACCESS DOOR. ASME A17.1 SECTION 2.2.5.3.

e. PROVIDE DEDICATED 20 AMP, 120 VOLT CIRCUIT FOR PIT RECEPTACLE.

f. PROVIDE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER TYPE (GFCI) RECEPTACLE.

g. PROVIDE DEDICATED 20 AMP, 120 VOLT CIRCUIT WITH GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE CIRCUIT BREAKER FOR SUMP PUMP. PROVIDE CONTROL WIRING AS REQUIRED FOR OPERATION.

h. PROVIDE HEAT DETECTOR IN ELEVATOR PIT TO RECALL THE ELEVATOR TO THE UPPER LANDING AND SEND A SIGNAL TO THE FIRE ALARM CONTROL PANEL. THIS DETECTOR SHALL NOT ACTIVATE THE SHUNT TRIP CIRCUIT BREAKER. HEAT DETECTOR SHALL BE 135 DEGREE RATE OF RISE AND SHALL BE MOUNTED WITHIN 24 INCHES OF SPRINKLER HEAD.

4. ELEVATOR RECALL:

a. VERIFY ELEVATOR RECALL REQUIREMENTS WITH THE ELEVATOR INSTALLER AND AUTHORITY HAVING JURISDICTION.

b. FIRE ALARM INITIATING DEVICE(S) SHALL BE PROVIDED AT EACH LOBBY AND IN EACH SPRINKLERED SHAFT/HOISTWAY AND IN THE ELEVATOR MACHINE ROOM. ONLY THESE DETECTORS SHALL RECALL THE ELEVATOR. ASME A17.1 SECTION 2.27.3.2.3. NFPA 72-6.15.3.3.

c. ELEVATOR SHALL NOT RECALL FROM GENERAL ALARM. ASME A17.1 SECTION 2.27.3.1.4.

d. THE ACTIVATION OF A SMOKE DETECTOR IN ANY ELEVATOR LOBBY, OTHER THAN AT THE DESIGNATED LEVEL, SHALL CAUSE ALL CARS THAT SERVE THAT LOBBY TO RETURN NONSTOP TO THE DESIGNATED LEVEL. THE ACTIVATION OF A SMOKE DETECTOR IN ANY ELEVATOR HOISTWAY, SHALL CAUSE ALL ELEVATORS HAVING ANY EQUIPMENT LOCATED IN THE HOISTWAY, AND ANY ASSOCIATED ELEVATORS OF A GROUP AUTOMATIC OPERATION, TO RETURN NONSTOP TO THE DESIGNATED LEVEL, EXCEPT THAT SMOKE DETECTORS IN HOISTWAYS INSTALLED AT OR BELOW THE LOWEST LANDING OF RECALL, WHEN ACTIVATED, SHALL CAUSE THE CAR TO BE SENT TO THE UPPER LEVEL OF RECALL. THE OPERATION SHALL CONFORM TO THE REQUIREMENTS OF RULE 211.3a.

e. WHEN THE SMOKE DETECTOR AT THE DESIGNATED LEVEL IS ACTIVATED, THAT OPERATION SHALL CONFORM TO THE REQUIREMENTS OF RULE 211.3a, EXCEPT THAT THE CARS SHALL RETURN TO AN ALTERNATE LEVEL APPROVED BY THE ENFORCING AUTHORITY, UNLESS THE DESIGNATED-LEVEL THREE-POSITION PHASE 1 SWITCH (RULE 211.3a) IS IN THE "ON" POSITION.

RFI # 88- Elevator Clarifications
RFI # 101- Fire Sprinkler @ Elevator Shaft

f. THE ACTIVATION OF A SMOKE DETECTOR IN ANY ELEVATOR MACHINE ROOM, EXCEPT A MACHINE ROOM AT THE DESIGNATED LEVEL, SHALL CAUSE ALL ELEVATORS HAVING ANY EQUIPMENT LOCATED IN THAT MACHINE ROOM, AND ANY ASSOCIATED ELEVATORS OF A GROUP AUTOMATIC OPERATION, TO RETURN NONSTOP TO THE DESIGNATED LEVEL. THE ACTIVATION OF A SMOKE DETECTOR IN ANY ELEVATOR MACHINE ROOM AT THE DESIGNATED LEVEL SHALL CAUSE ALL ELEVATORS HAVING ANY EQUIPMENT LOCATED IN THAT MACHINE ROOM, AND ANY ASSOCIATED ELEVATORS OF A GROUP AUTOMATIC OPERATION, TO RETURN NONSTOP TO THE ALTERNATE LEVEL, OR THE APPOINTED LEVEL WHEN APPROVED BY THE AUTHORITY HAVING JURISDICTION.

g. ELEVATORS SHALL ONLY REACT TO THE FIRST SMOKE DETECTOR ZONE WHICH IS ACTIVATED FOR THAT GROUP.

h. PHASE I OPERATION, WHEN INITIATED BY A SMOKE DETECTOR, SHALL BE MAINTAINED UNTIL CANCELED BY MOVING THAT PHASE I SWITCH TO THE "BYPASS" POSITION [SEE ALSO RULE 211.3a(10)]. SMOKE DETECTORS AND/OR SMOKE DETECTOR SYSTEMS SHALL NOT BE SELF-RESETTING.

i. PROVIDE 3/4"C. WITH ELEVATOR RECALL SYSTEM CONTROL CONDUCTORS TO ELEVATOR CONTROLLER (WHERE RECALL IS REQUIRED).

5. ELEVATOR SHAFT/HOISTWAY

a. PROVIDE SMOKE DETECTOR IN ELEVATOR HOISTWAY WHERE HOISTWAY IS SPRINKLERED. REFER TO ARCHITECTURAL DOCUMENTS FOR BUILDING SPRINKLER REQUIREMENTS. ASME 17.1 SECTION 211.3b.

b. SMOKE DETECTORS SHALL NOT BE INSTALLED IN UNSPRINKLERED ELEVATOR HOISTWAYS UNLESS THEY ARE INSTALLED TO ACTIVATE THE ELEVATOR HOISTWAY SMOKE RELIEF EQUIPMENT. NFPA 72-6.15.3.6.

c. THERE SHALL BE NO CONDUIT OR WIRING IN OR PASSING THROUGH THE ELEVATOR SHAFT/HOISTWAY. NEC 620-37.

d. PROVIDE HEAT DETECTOR IN ELEVATOR HOISTWAY WITHIN 24" OF THE SPRINKLER HEAD WHERE HOISTWAY IS SPRINKLERED. REFER TO ARCHITECTURAL DOCUMENTS FOR BUILDING SPRINKLER REQUIREMENTS.

e. HEAT DETECTORS SHALL NOT BE INSTALLED IN UNSPRINKLERED ELEVATOR HOISTWAYS.

6 ELEVATOR LOBBIES/LANDINGS

a. PROVIDE A CEILING MOUNTED SMOKE DETECTOR IN EACH ELEVATOR LOBBY OF EACH LANDING.

b. THE LOBBY SMOKE DETECTOR SHALL BE LOCATED ON THE CEILING WITHIN 21 FEET OF THE CENTERLINE OF EACH ELEVATOR DOOR WITHIN THE ELEVATOR BANK UNDER THE CONTROL OF THE DETECTOR. NFPA 72-6.15.3.5.

c. PROVIDE A HEAT DETECTOR MOUNTED IN THE CEILING SPACE ABOVE EACH SMOKE DETECTOR OF EACH ELEVATOR LOBBY OF EACH LANDING.

d. PROVIDE TELEPHONE LINE AND CONNECTION TO TELEPHONE IN CAB TO PROVIDE 2-WAY, 24 HOUR COMMUNICATION. ASME A17.1 SECTIONS 2.27.1.1.1 AND 2.27.1.1.2.

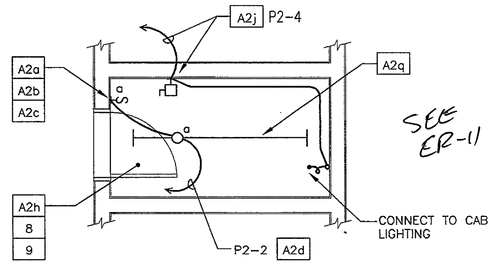
e. VERIFY EXACT REQUIREMENTS AND POINTS OF CONNECTION WITH ELEVATOR CONTRACTOR PRIOR TO ROUGH-IN.

f. CONTRACTOR SHALL INCLUDE IN THE BID, ALL ELECTRICALLY RELATED COORDINATION ITEMS AS REQUIRED BY THE ELEVATOR CONTRACTOR FOR INSPECTION AND FINAL SIGN-OFF BY THE INSPECTOR. INCLUDE INSPECTION COORDINATION AND ANY CHANGES AND/OR REQUIREMENTS BY THE INSPECTOR AT NO ADDITIONAL COST TO THE CONTRACT. PROVIDE ANY TEMPORARY WIRING AND/OR POWER AS MAY BE REQUIRED FOR INSPECTIONS.

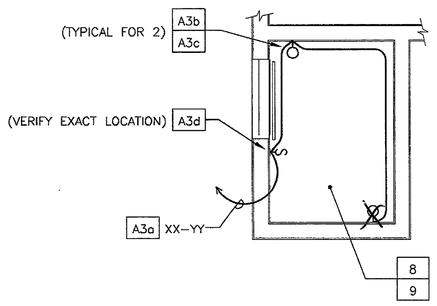
g. THE BUILDING FIRE ALARM SYSTEM MUST BE ACTIVATED BY THE SMOKE DETECTORS IN THE ELEVATOR LOBBIES, ELEVATOR HOISTWAYS AND ELEVATOR EQUIPMENT ROOMS.

h. ELEVATOR SMOKE DETECTOR ACTIVATION MUST BE VISIBLY DISPLAYED ON THE BUILDING FIRE ALARM ANNUNCIATOR.

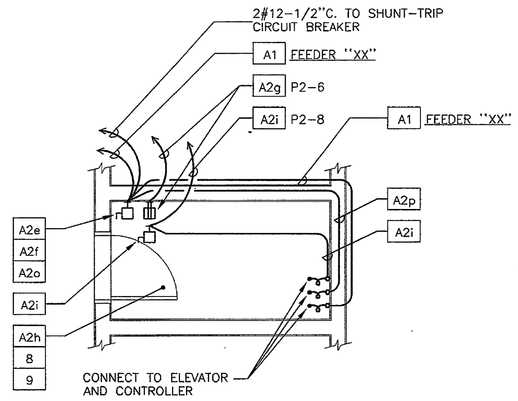
NOTE:
EXACT ROOM SIZES AND ORIENTATIONS MAY VARY BY PROJECT.
REFER TO FLOOR PLANS FOR SIZES AND ORIENTATIONS.



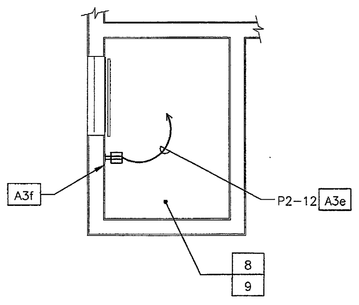
TYPICAL ELEVATOR MACHINE/EQUIPMENT ROOM LIGHTING PLAN



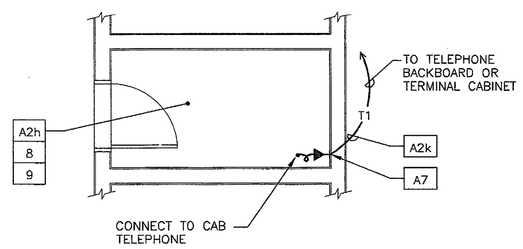
TYPICAL ELEVATOR PIT LIGHTING PLAN



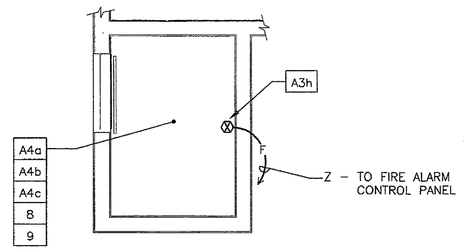
TYPICAL ELEVATOR MACHINE/EQUIPMENT ROOM POWER PLAN



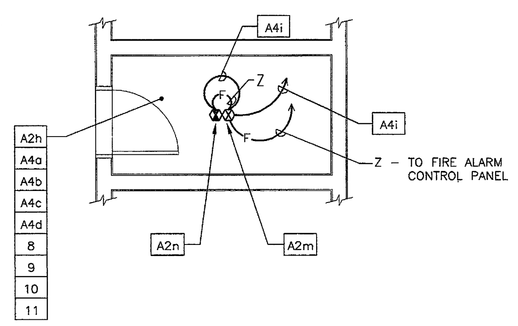
TYPICAL ELEVATOR PIT POWER PLAN



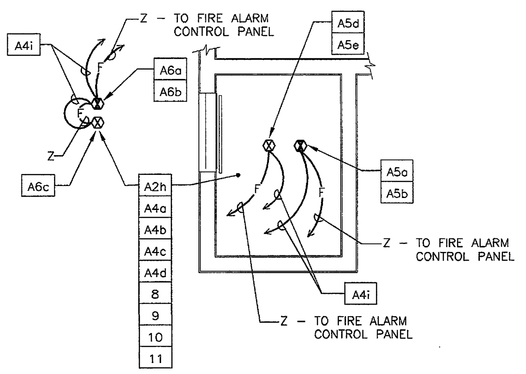
TYPICAL ELEVATOR MACHINE/EQUIPMENT ROOM SIGNAL PLAN



TYPICAL ELEVATOR PIT FIRE ALARM PLAN



TYPICAL ELEVATOR MACHINE/EQUIPMENT ROOM FIRE ALARM PLAN



TYPICAL ELEVATOR SHAFT/HOISTWAY FIRE ALARM PLAN

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

GLP Engineering, Inc.
Mechanical and Electrical Engineer
GLP #115.050
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

consultant

DEPARTMENT OF GENERAL SERVICES
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
VERIFICATION STAMP
04107979
AC - DSA - SS
DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College · San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

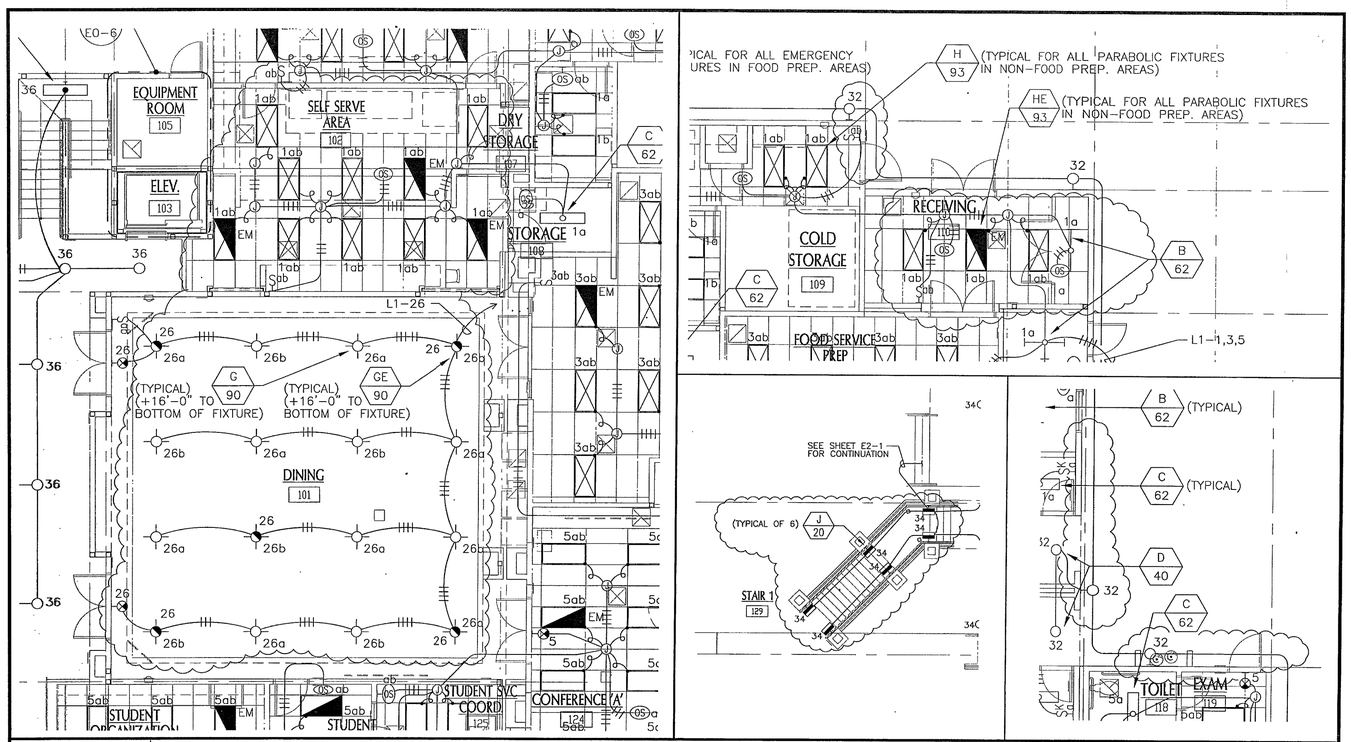
tBP project number : 204841.0
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 09/19/06

Rev:	date:	description:

drawing title: ELEVATOR PLANS AND NOTES
building no:

drawing no: E0-6
drawing 102 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



LICENSED ARCHITECT JOHN W. RICHARDS, AIA NO. C6223 REN. 8-31-07 STATE OF CALIFORNIA

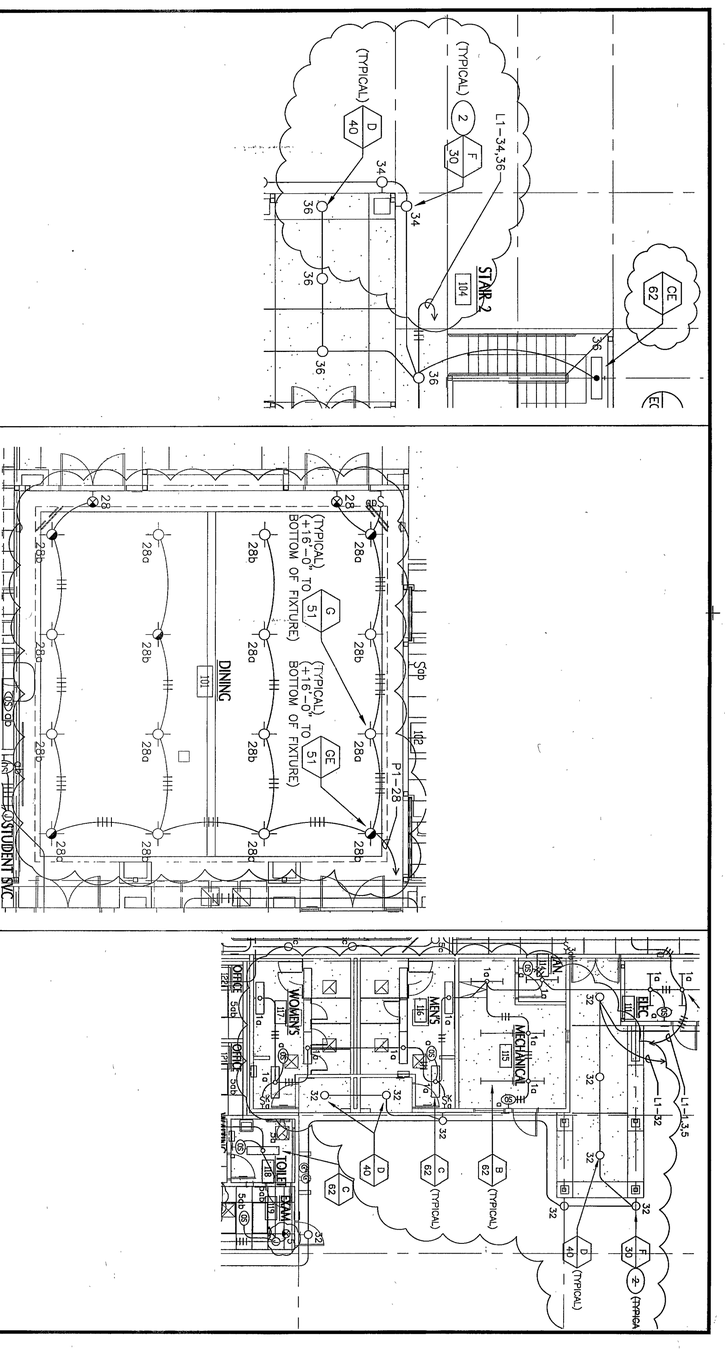
San Elijo Student Center Addition & Remodel

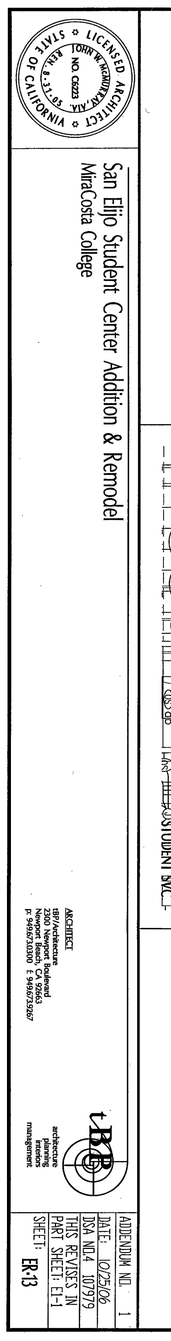
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

architecture
planning
interiors
management

ADDENDUM NO.	4
DATE:	11/13/06
DSA NO.:	4 107979
THIS REVISES IN PART SHEET:	E1-1
SHEET:	ER-9





LICENSED ARCHITECT JOHN W. RICHARDS, AIA NO. C6223 REN. 8-31-07 STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel

MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

architecture
planning
interiors
management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4	107979
THIS REVISES IN PART SHEET:	E1-1
SHEET:	ER-12

LICENSED ARCHITECT JOHN W. RICHARDS, AIA NO. C6223 REN. 8-31-07 STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel

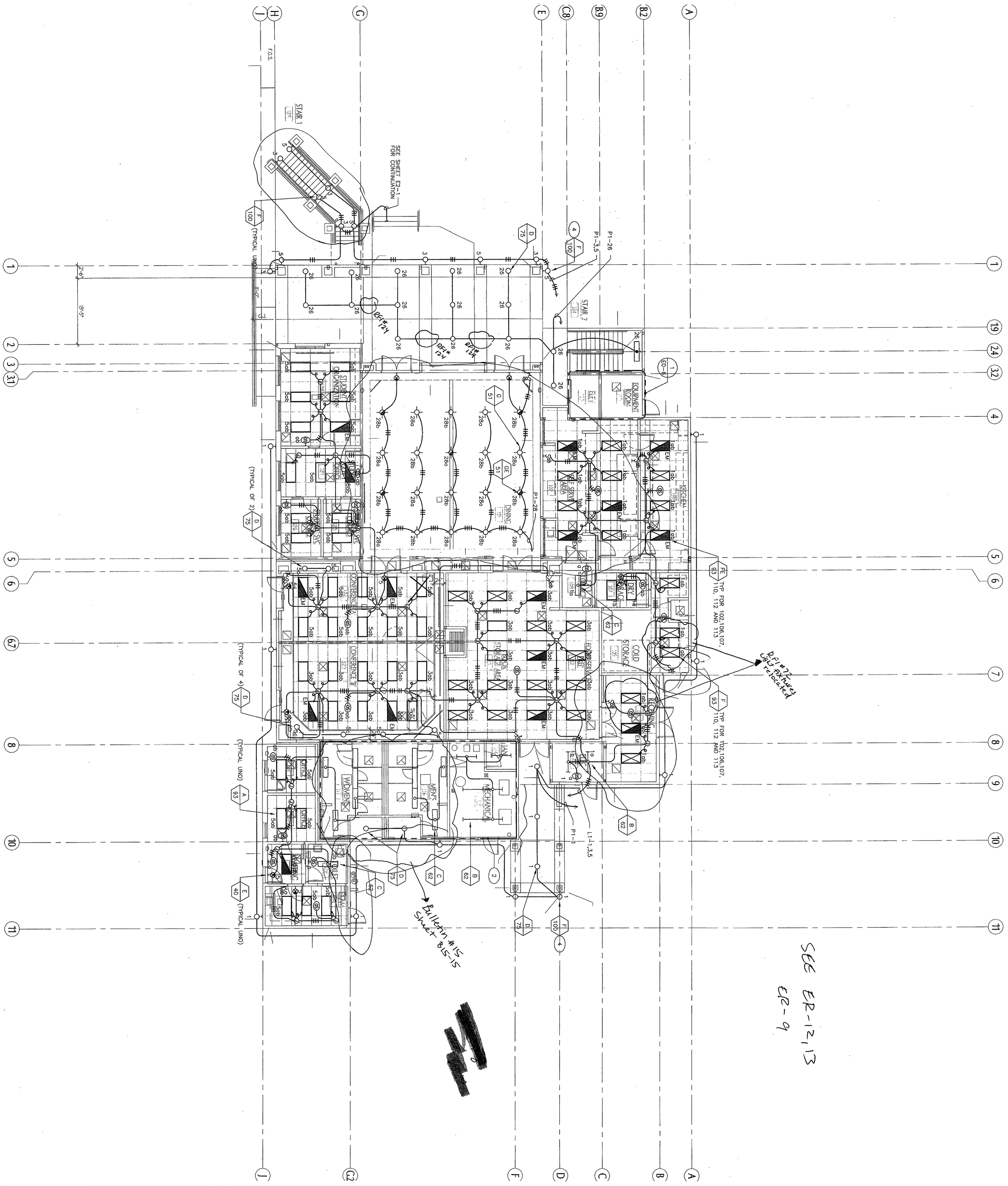
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

architecture
planning
interiors
management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4	107979
THIS REVISES IN PART SHEET:	E1-1
SHEET:	ER-13

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



FIRST FLOOR LIGHTING PLAN
SCALE: 1/8"=1'-0"

1

PLAN NOTES

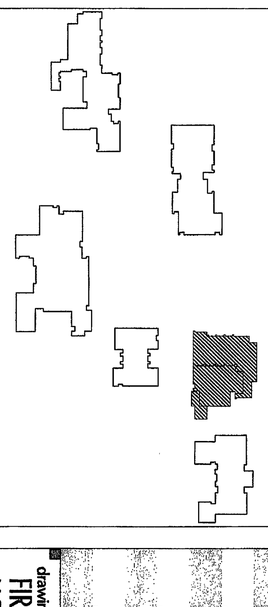
1.- EMERGENCY FIXTURES SHALL BE WIRED SUCH THAT A LOCAL SWITCH MAY TURN OFF ALL LAMPS, BUT THE EMERGENCY LAMP SHALL RETURN TO FULL BRIGHTNESS IN THE EVENT OF A POWER FAILURE, BYPASSING THE LOCAL SWITCH. REFER TO WIRING DIAGRAM, DETAIL xx SHEET XXX.

2.- ROOMS 114, 115, 116 AND 117 ARE EXISTING TO REMAIN. RECONNECT EXISTING CIRCUITS TO NEW PANEL(S) AS REQUIRED. SWITCHING TO REMAIN.

3.- NOT USED.

4.- VERIFY MOUNTING HEIGHT OF ALL TYPE "F" FIXTURES WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

KEY PLAN



San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number: 2049.10
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 04/19/06
Rev. date: description:

drawing title: FIRST FLOOR LIGHTING PLAN
building no:
drawing no: E1-1
drawing 103 of 107

agency

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC ___ RS D SS ___ DL ___
DATE SEP 29 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

consultant

REGISTERED PROFESSIONAL ENGINEER
CARL L. GLP
No. E 17252
EXP. 06-30-08
ELECTRICAL
STATE OF CALIFORNIA

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

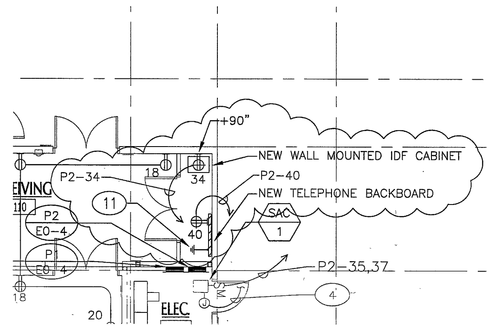
architect

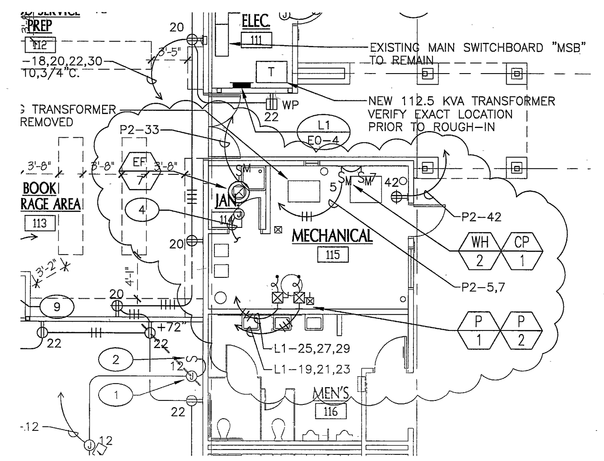
LICENSED ARCHITECT
JOHN W. McMURRY
No. C8223
REN. 8-31-07
STATE OF CALIFORNIA

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

tBP
architecture
planning
interiors
management

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



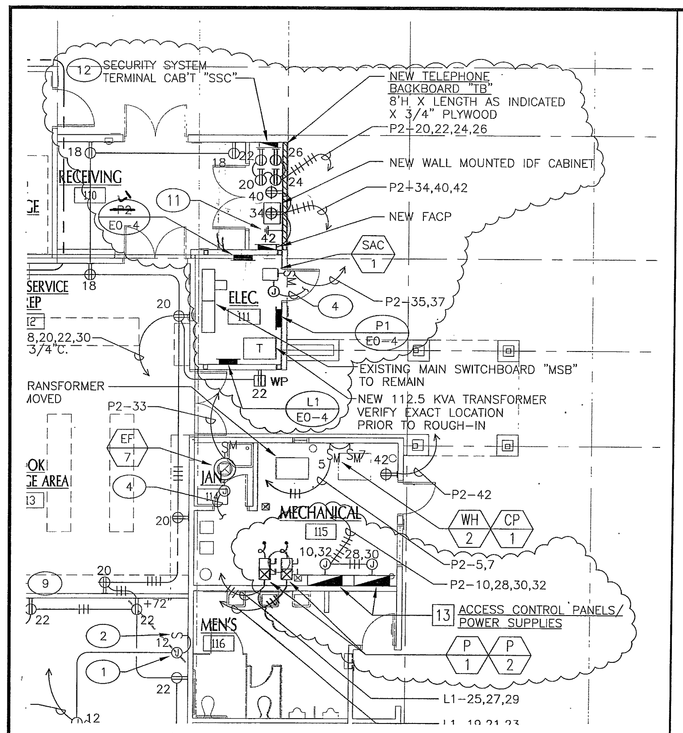


San Elijo Student Center Addition & Remodel
MiraCostaCollege

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 9496710300 f: 9496739267

architecture
planning
interiors
management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.#	107979
THIS REVISES IN PART SHEET:	E1-2
SHEET:	ER-14



PLAN NOTES

1.– PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR PROJECTION SCREEN PER MANUFACTURER REQUIREMENTS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH–IN. 3/4"C. WITH CONTROL WIRING AS REQUIRED FOR PROJECTION SCREEN.

2.– PROJECTION SCREEN CONTROL SWITCH. VERIFY LOCATION AND REQUIREMENTS WITH MANUFACTURER.

3.– PROVIDE DUPLEX RECEPTACLE ABOVE ACCESSIBLE CEILING FOR PROJECTOR PER MANUFACTURER REQUIREMENTS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH–IN.

4.– REFER TO MECHANICAL DRAWING CONTROL DIAGRAMS AND SPECIFICATIONS FOR ALL SENSORS, TIMECLOCKS, RELAYS, TIMERS, STARTERS, LINE AND LOW VOLTAGE CONDUIT. PROVIDE AS REQUIRED.

5.– POWER AND LINE VOLTAGE CONTROL WIRING TO ASSOCIATED OUTDOOR MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS, CONTROL DIAGRAMS AND SPECIFICATIONS.

6.– PROVIDE DUPLEX OUTLET FOR REFRIGERATOR. VERIFY LOCATION IN FIELD.

7.– CONNECT AS REQUIRED TO AUTOMATIC SENSOR OPERATED FLUSHOMETER TRANSFORMER. PROVIDE LOW VOLTAGE CONDUIT AND WIRE FROM TRANSFORMER TO EACH TOILET AND/OR URINAL IN THE RESTROOMS AS REQUIRED (EACH TRANSFORMER CAN ACCOMMODATE UP TO TEN CLOSETS OR URINALS). REFER TO MANUFACTURER'S CUT SHEETS FOR INSTALLATION INSTRUCTIONS.

8.– CONNECT AS REQUIRED TO LAVATORY'S AUTOMATIC SENSOR. PROVIDE LOW VOLTAGE CONDUIT AND WIRE FROM TRANSFORMER TO EACH LAVATORY AS REQUIRED (EACH TRANSFORMER CAN ACCOMMODATE UP TO THREE LAVATORIES). REFER TO MANUFACTURER'S CUT SHEETS FOR TRANSFORMER SIZING AND INSTALLATION INSTRUCTIONS.

9.– PROVIDE CONNECTION FOR COMPOSITE TRACK–ELECTRIC FOLDING PARTITION. VERIFY EXACT LOCATION AND ALL ADDITIONAL REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH–IN.

10.– VERIFY MOUNTING HEIGHT PRIOR TO ROUGH–IN. MOUNT ADJACENT TO TELEVISION OUTLET.

11.– 3/4"C.–#6 GROUND TO COLD WATER PIPE.

12.– VERIFY ALL REQUIREMENTS WITH SECURITY SYSTEM CONTRACTOR.

13.– REFER TO ACCESS HEAD–END EQUIPMENT ELEVATIONS, SHEET SE–E2, FOR CONDUIT AND OUTLET BOX REQUIREMENTS FOR ACCESS CONTROL. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL EMPTY OUTLET BOXES, EMPTY CONDUIT AND 120 VOLT POWER FOR ACCESS SYSTEM.

San Elijo Student Center Addition & Remodel
MiraCostaCollege

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 9496710300 f: 9496739267

architecture
planning
interiors
management

ADDENDUM NO.	4
DATE:	11/13/06
DSA NO.#	107979
THIS REVISES IN PART SHEET:	E1-2
SHEET:	ER-10

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

PLAN NOTES

1.– PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR PROJECTION SCREEN PER MANUFACTURER REQUIREMENTS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH–IN. 3/4"C. WITH CONTROL WIRING AS REQUIRED FOR PROJECTION SCREEN.

2.– PROJECTION SCREEN CONTROL SWITCH. VERIFY LOCATION AND REQUIREMENTS WITH MANUFACTURER.

3.– PROVIDE DUPLEX RECEPTACLE ABOVE ACCESSIBLE CEILING FOR PROJECTOR PER MANUFACTURER REQUIREMENTS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH–IN.

4.– REFER TO MECHANICAL DRAWING CONTROL DIAGRAMS AND SPECIFICATIONS FOR ALL SENSORS, TIMECLOCKS, RELAYS, TIMERS, STARTERS, LINE AND LOW VOLTAGE CONDUIT. PROVIDE AS REQUIRED.

5.– POWER AND LINE VOLTAGE CONTROL WIRING TO ASSOCIATED OUTDOOR MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS, CONTROL DIAGRAMS AND SPECIFICATIONS.

6.– PROVIDE DUPLEX OUTLET FOR REFER. VERIFY LOCATION IN FIELD.

7.– CONNECT AS REQUIRED TO AUTOMATIC SENSOR OPERATED FLUSHOMETER TRANSFORMER. PROVIDE LOW VOLTAGE CONDUIT AND WIRE FROM TRANSFORMER TO EACH TOILET AND/OR URINAL IN THE RESTROOMS AS REQUIRED (EACH TRANSFORMER CAN ACCOMMODATE UP TO TEN CLOSETS OR URINALS). REFER TO MANUFACTURER'S CUT SHEETS FOR INSTALLATION INSTRUCTIONS.

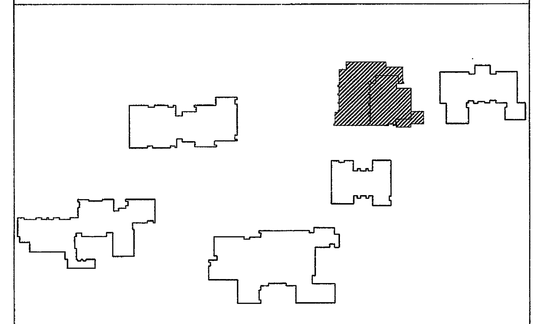
8.– CONNECT AS REQUIRED TO LAVATORY'S AUTOMATIC SENSOR. PROVIDE LOW VOLTAGE CONDUIT AND WIRE FROM TRANSFORMER TO EACH LAVATORY AS REQUIRED (EACH TRANSFORMER CAN ACCOMMODATE UP TO THREE LAVATORIES). REFER TO MANUFACTURER'S CUT SHEETS FOR TRANSFORMER SIZING AND INSTALLATION INSTRUCTIONS.

9.– PROVIDE CONNECTION FOR COMPOSITE TRACK–ELECTRIC FOLDING PARTITION. VERIFY EXACT LOCATION AND ALL ADDITIONAL REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH–IN.

10.– VERIFY MOUNTING HEIGHT PRIOR TO ROUGH–IN.

See Bulletin #16 for Plan Notes 17-19 Sheet B15-16

KEY PLAN



FIRST FLOOR POWER PLAN | 1
SCALE: 1/8"=1'-0"

tBP architecture planning interiors management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph. 949.673.0300 fx. 949673.9267
architect

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805
consultant

DSA/OSHPD/DSS REVIEW
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC. DATE SEP 29 2006
Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph. 858.674.5400 fx 858.674.5471
agency

San Elijo Student Center
MiraCosta College

MiraCosta College • San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 20484.10
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 04/19/06

rev.	date:	description:

drawing title: FIRST FLOOR POWER PLAN
building no:
drawing no: E1-2
drawing 104 of 107

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

PLAN NOTES

1.– TELEPHONE TERMINAL PLYWOOD BACKBOARD 3/4" THICK X 8'–0"H.

2.– PROVIDE 8" X 8" X 6"D. OUTLET BOX ABOVE CEILING FOR FUTURE PROJECTOR.

3.– PROVIDE COMBINATION FLUSH, FLOOR MOUNTED OUTLET BOX FOR POWER & SIGNAL DEVICES. VERIFY EXACT LOCATION OF FLOOR MOUNTED OUTLETS WITH ARCHITECT AND FURNITURE MANUFACTURER PRIOR TO ROUGH–IN.

4.– NOT USED

5.– PROVIDE EMPTY OUTLET BOX ABOVE CEILING FOR FUTURE SECURITY CAMERA (PROVIDED AND INSTALLED BY OTHERS).

6.– PROVIDE EMPTY OUTLET BOX FOR FUTURE FLUSH, CEILING MOUNTED SPEAKER (PROVIDED AND INSTALLED BY OTHERS).

7.– PROVIDE EMPTY OUTLET BOX FOR FUTURE SURFACE, CEILING MOUNTED SPEAKER (PROVIDED AND INSTALLED BY OTHERS). PROVIDE 1"C.O. TO NEAREST ACCESSIBLE CEILING SPACE.

8.– PROVIDE EMPTY OUTLET BOX FOR FUTURE EXTERIOR COLUMN MOUNTED SPEAKER (PROVIDED AND INSTALLED BY OTHERS). PROVIDE 1"C.O. TO NEAREST ACCESSIBLE CEILING SPACE.

9.– PROPOSED AUDIO/VISUAL RACK LOCATION. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH–IN.

10.– PROVIDE AN ASSISTIVE LISTENING SYSTEM, PHONIC EAR PE 560T BASE STATION OR EQUAL IN EXISTING RACK. ANTENNA FOR ASSISTIVE LISTENING SYSTEM SHALL BE MOUNTED WITHIN THE SPACE IN AN INCONSPICUOUS LOCATION. TYPE OF ANTENNA SHALL BE DETERMINED BY TRANSMISSION RANGE AND FREQUENCY REQUIRED BY THE SPACE. PHONIC EAR AT560–– SERIES OR EQUAL. PROVIDE ANTENNA CABLE TYPE AND SIZE AS REQUIRED. ASSISTIVE LISTENING SYSTEM TWO CHANNEL RECEIVERS, PHONIC EAR PE350FSR, WITH RECHARGEABLE BATTERIES, LISTENING ACCESSORIES, AND CHARGER(S) PE300C SHALL BE PROVIDED TO EQUAL 4% OF THE TOTAL OCCUPANCY UP TO 500 AND 1% OF THE TOTAL OCCUPANCY IN EXCESS OF 500. LISTENING ACCESSORIES SHALL BE TELELOOPS 300R–L (QUANTITY TO EQUAL 20 % OF THE TOTAL QUANTITY REQUIRED), STETOCLIPS 300R–ST (20%) AND WALKMAN HEAD SETS 300R–W (60%). REFER TO ARCHITECTURAL FLOOR PLANS FOR MAXIMUM OCCUPANCY.

11.– 1–1/4"C.O. FROMCONTROL LOCATION TO FUTURE LCD PROJECTOR. VERIFY EXACT LOCATION WITH ARCJITECT/OWNER PRIOR TO ROUGH–IN.

12.– REFER TO DOOR HARDWARE ELEVATIONS, SHEET SE–E1, FOR CONDUIT AND OUTLET BOX REQUIREMENTS FOR ACCESS CONTROL. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL EMPTY OUTLET BOXES, EMPTY CONDUIT AND 120 VOLT POWER FOR ACCESS SYSTEM.

13.– PROVIDE 4X4 BOX WITH SINGLE GANG MUD RING, TURNED HORIZONTAL, FOR KEY PAD/CARD READER, PROVIDED BY SECURITY SYSTEM CONTRACTOR.

14.– VERIFY LOCATION AND REQUIREMENTS WITH SECURITY SYSTEM CONTRACTOR. REFER TO SONITROL SECURITY SYSTEM SHOP DRAWINGS, ELEVATIONS AND CUT SHEETS.

15.– PROVIDE 3/4"C.O. TO SECURITY SYSTEM CONTROL PANEL "SSC".

16.– PROVIDE 1"DIA. HOLE AT TOP OF DOOR FRAME WITH 4X4 GANG BOX AT TOP OF DOOR FOR DOOR CONTACTS PROVIDED BY SECURITY CONTRACTOR.

17.– PROVIDE SINGLE GANG BOX, +8'AFF TO BOTTOM OF BOX, WITH BLANK COVER PLATE DRILLED TO MOUNT AUDIO SENSOR (PROVIDED BY SECURITY CONTRACTOR).

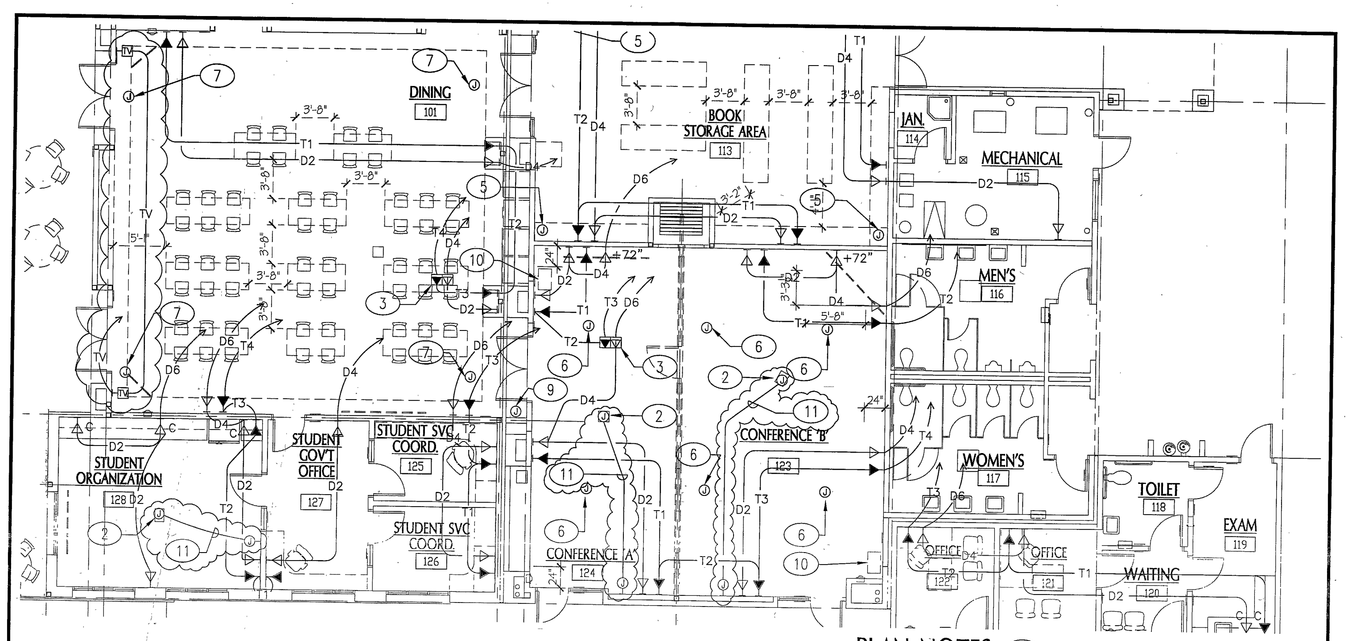
LICENSED ARCHITECT — NO. C8223 — STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

tBP architecture planning interiors management

ADDENDUM NO.	4
DATE:	11/13/06
DSA NO.4	107979
THIS REVISES IN PART SHEET:	E1-3
SHEET:	ER-12



PLAN NOTES

11.– 1–1/4"C.O. FROM CONTROL LOCATION TO FUTURE LCD PROJECTOR; VERIFY EXACT LOCATION WITH ARCJITECT/OWNER PRIOR TO ROUGH–IN.

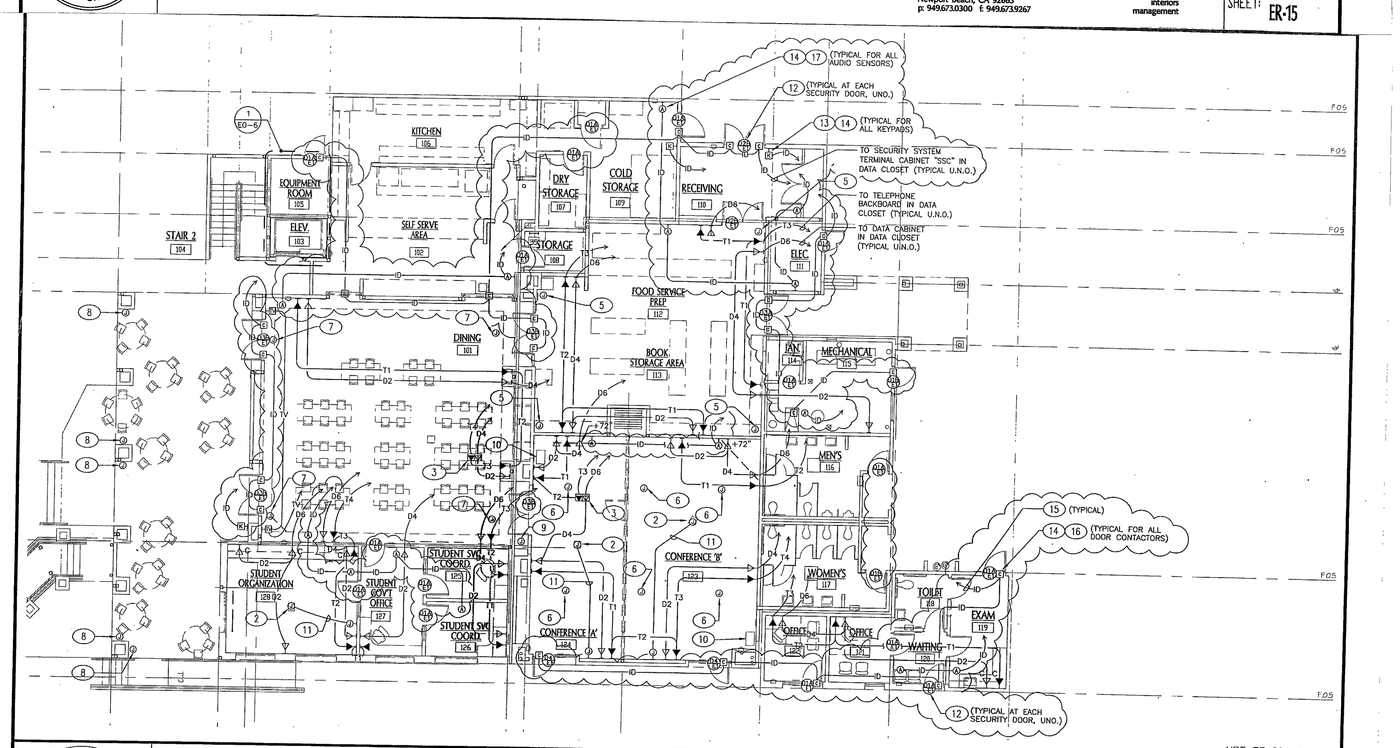
LICENSED ARCHITECT — NO. C8223 — STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

tBP architecture planning interiors management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4	107979
THIS REVISES IN PART SHEET:	E1-3
SHEET:	ER-15



LICENSED ARCHITECT — NO. C8223 — STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

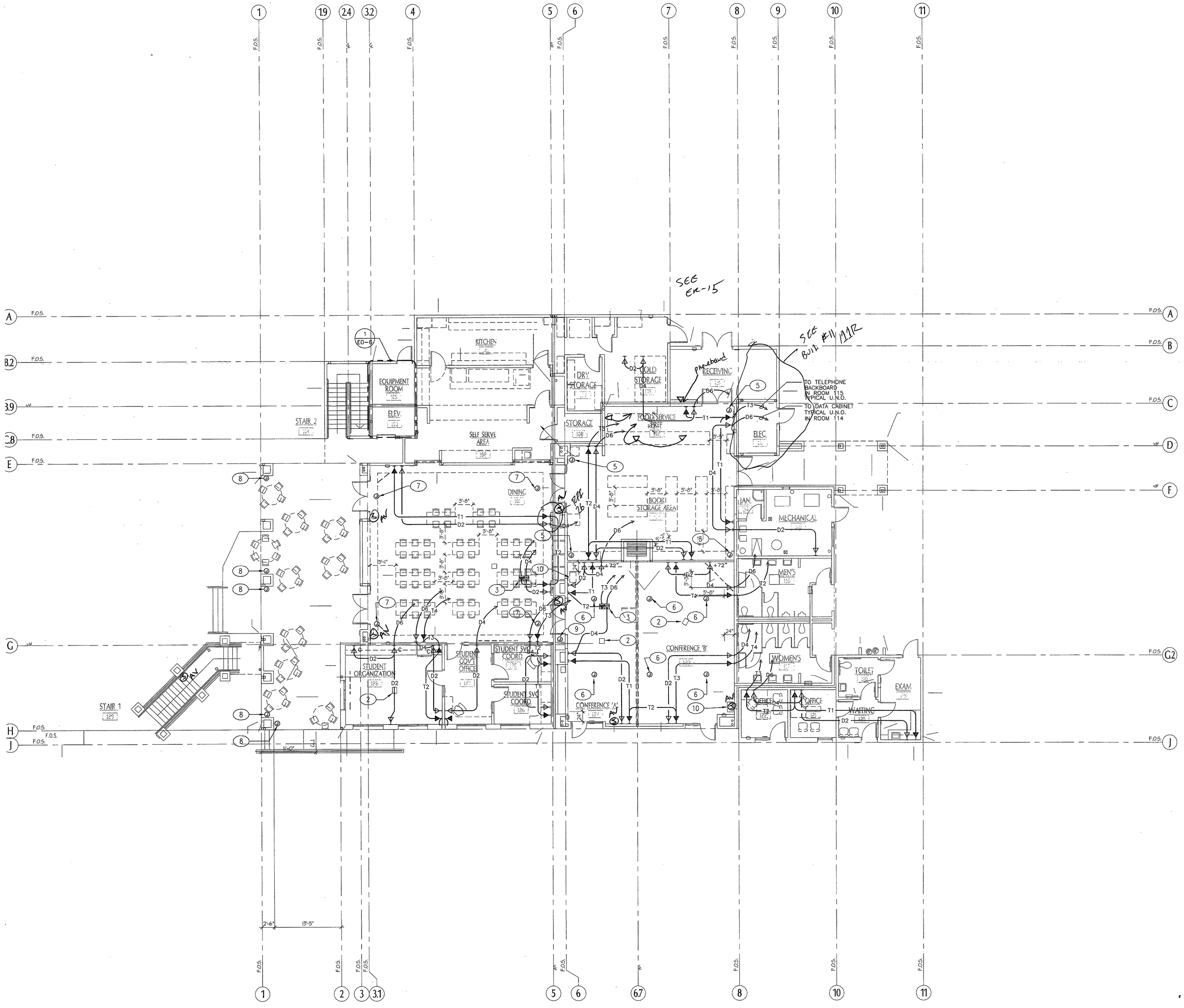
ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

tBP architecture planning interiors management

NOT TO SCALE

ADDENDUM NO.	4
DATE:	11/13/06
DSA NO.4	107979
THIS REVISES IN PART SHEET:	E1-3
SHEET:	ER-11

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



PLAN NOTES

1.– TELEPHONE TERMINAL PLYWOOD BACKBOARD 3/4" THICK X 8'–0"H.

2.– PROVIDE 8" X 8" X 6"D. OUTLET BOX ABOVE CEILING FOR AUDIO/VISUAL SYSTEM.

3.– PROVIDE 8" X 8" X 6"D. FLOOR OUTLET BOX FLUSH WITH FLOOR AND COVER PLATE FOR AUDIO/VISUAL SYSTEM. VERIFY EXACT LOCATION OF FLOOR MOUNTED OUTLETS WITH ARCHITECT AND FURNITURE MANUFACTURER PRIOR TO ROUGH–IN.

4.– SEE AUDIO/VISUAL, SPEAKER AND SECURITY DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL WORK REQUIRED BUT NOT SHOWN HERE.

5.– PROVIDE J–BOX ABOVE CEILING FOR SECURITY CAMERA (PROVIDED AND INSTALLED BY OTHERS). VERIFY ANY ADDITIONAL REQUIREMENTS WITH SECURITY AND ARCHITECTURAL DRAWINGS PRIOR TO ROUGH–IN.

6.– PROVIDE ALL EQUIPMENT NECESSARY FOR FLUSH MOUNTED SPEAKER INSTALLATION. (PROVIDED AND INSTALLED BY OTHERS). VERIFY ANY ADDITIONAL REQUIREMENTS WITH AUDIO / VISUALY AND ARCHITECTURAL DRAWINGS PRIOR TO ROUGH–IN.

7.– PROVIDE ALL EQUIPMENT NECESSARY FOR SURFACE MOUNTED SPEAKER INSTALLATION. (PROVIDED AND INSTALLED BY OTHERS). VERIFY ANY ADDITIONAL REQUIREMENTS WITH AUDIO / VISUAL AND ARCHITECTURAL DRAWINGS PRIOR TO ROUGH–IN.

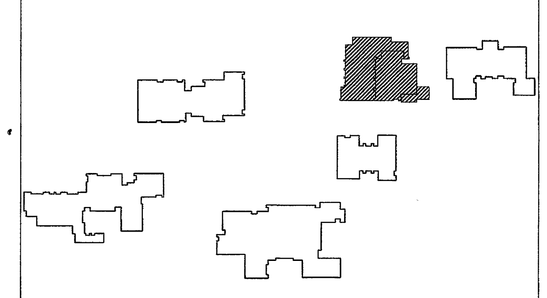
8.– PROVIDE ALL EQUIPMENT NECESSARY FOR EXTERIOR COLUMN MOUNTED SPEAKER INSTALLATION. (PROVIDED AND INSTALLED BY OTHERS). VERIFY ANY ADDITIONAL REQUIREMENTS WITH AUDIO / VISUALLY AND ARCHITECTURAL DRAWINGS PRIOR TO ROUGH–IN.

9.– PROPOSED AUDIO/VISUAL RACK LOCATION. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH–IN. VERIFY ALL ELECTRICAL, CONDUIT, STUB AND ROUTING REQUIREMENTS WITH AUDIO / VISUAL AND ARCHITECTURAL DRAWINGS PRIOR TO ROUGH–IN.

10.– PROVIDE AN ASSISTIVE LISTENING SYSTEM, PHONIC EAR PE 560T BASE STATION OR EQUAL IN EXISTING RACK. ANTENNA FOR ASSISTIVE LISTENING SYSTEM SHALL BE MOUNTED WITHIN THE SPACE IN AN INCONSPICUOUS LOCATION. TYPE OF ANTENNA SHALL BE DETERMINED BY TRANSMISSION RANGE AND FREQUENCY REQUIRED BY THE SPACE, PHONIC EAR AT560– SERIES OR EQUAL. PROVIDE ANTENNA CABLE TYPE AND SIZE AS REQUIRED. ASSISTIVE LISTENING SYSTEM TWO CHANNEL RECEIVERS, PHONIC EAR PE350FSR, WITH RECHARGEABLE BATTERIES, LISTENING ACCESSORIES, AND CHARGER(S) PE300C SHALL BE PROVIDED TO EQUAL 4% OF THE TOTAL OCCUPANCY UP TO 500 AND 1% OF THE TOTAL OCCUPANCY IN EXCESS OF 500. LISTENING ACCESSORIES SHALL BE TELELOOPS 300R–L (QUANTITY TO EQUAL 20 % OF THE TOTAL QUANTITY REQUIRED), STETOCLIPS 300R–ST (20%) AND WALKMAN HEAD SETS 300R–W (60%). REFER TO ARCHITECTURAL FLOOR PLANS FOR MAXIMUM OCCUPANCY.

(11) SEE ER-15
ER-11
ER-12

KEY PLAN



FIRST FLOOR SIGNAL PLAN
SCALE: 1/8"=1'-0" | 1

tBP architecture planning interiors management
tBP/architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA. 92705
Telephone 949–428–8800
Fax 949–428–8805
consultant

CONSTRUCTION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC — RS — DI — SS — DL —
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca. 92127
ph: 858.674.5400 fx: 858.674.5471
agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

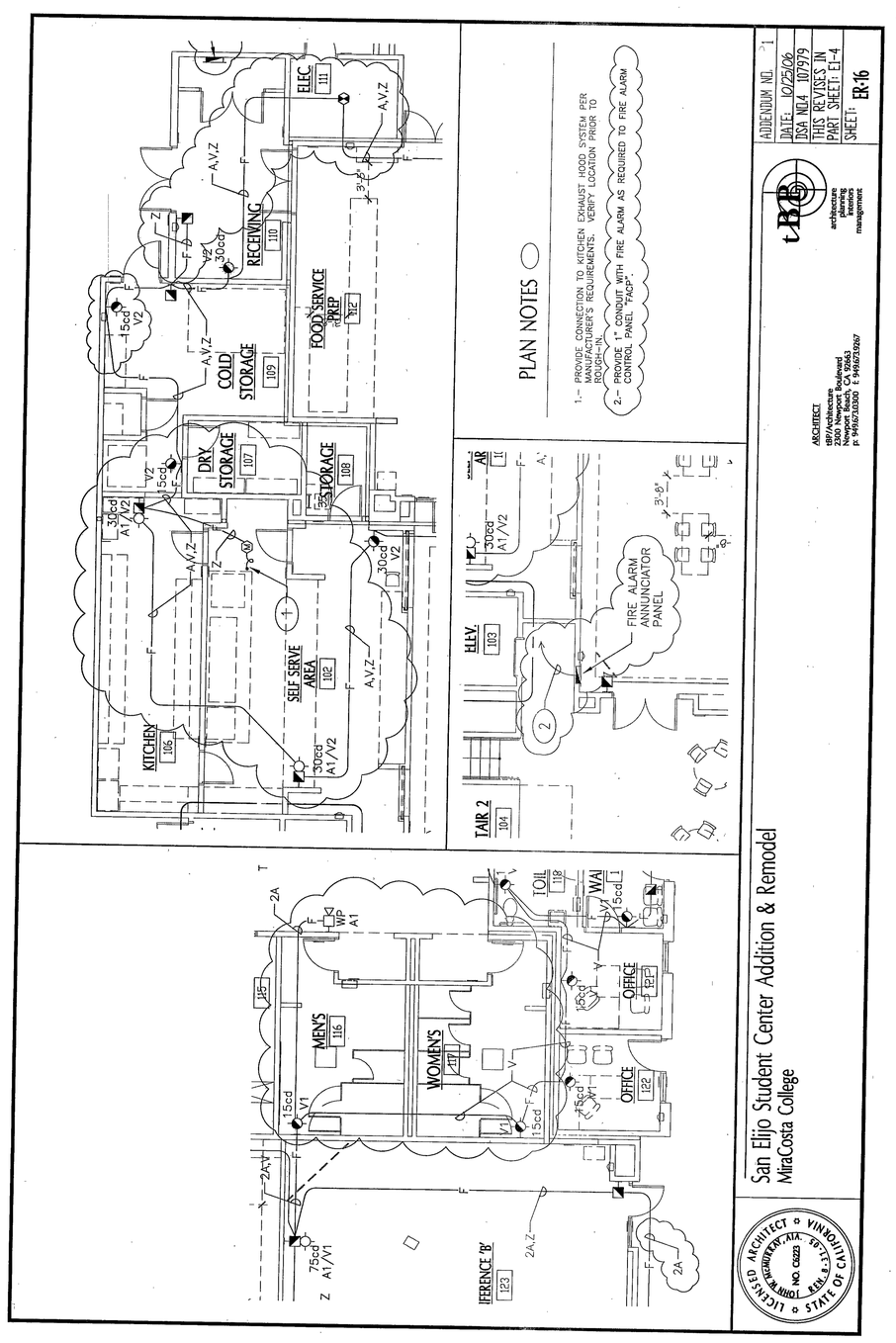
owner

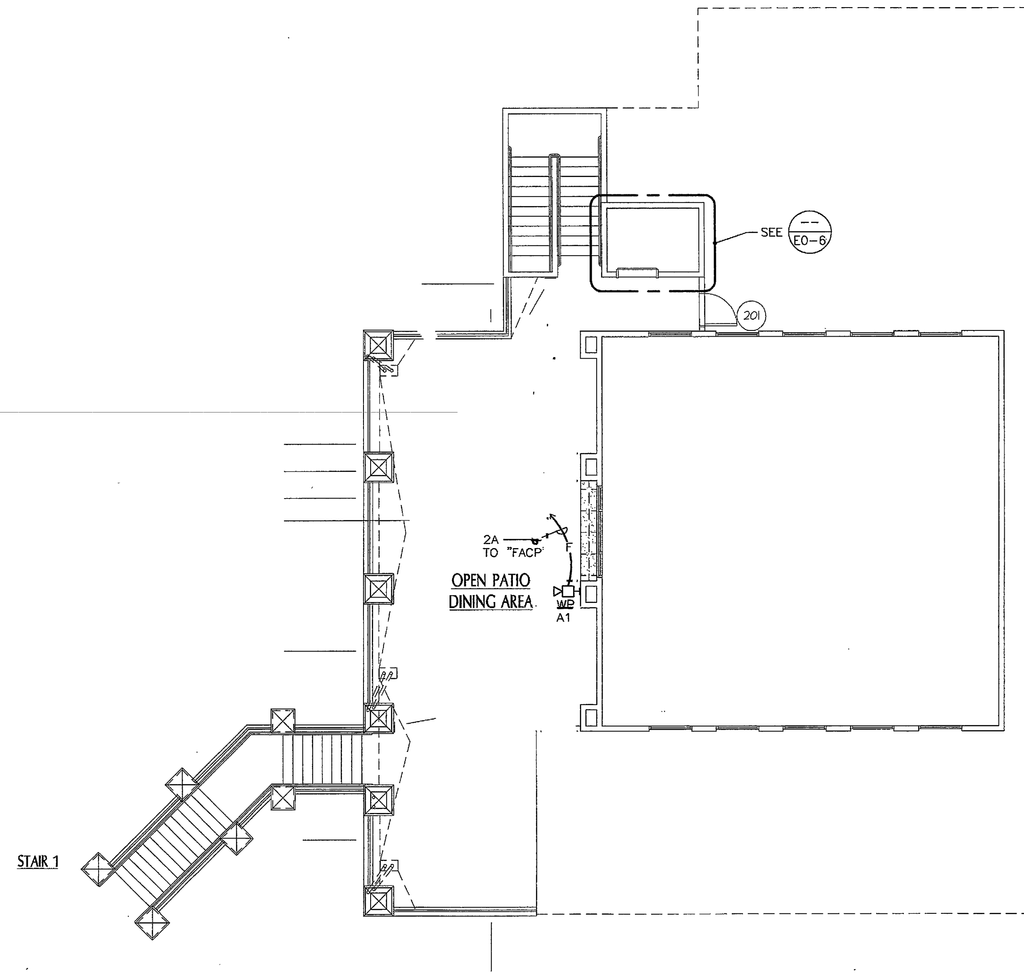
tBP project number : 204890
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 04/19/06

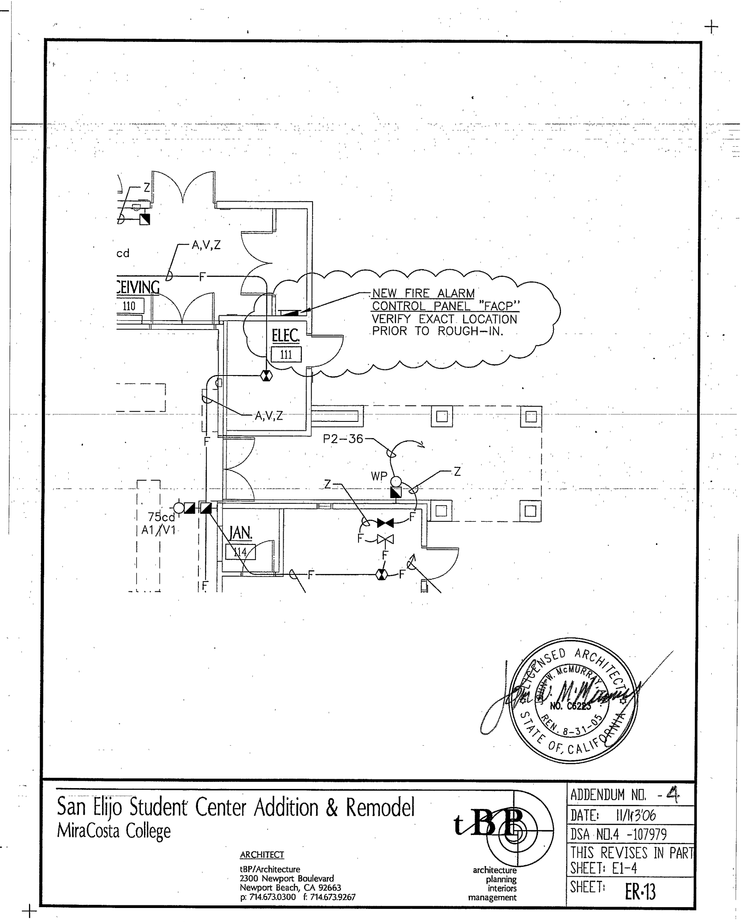
rev.	date:	description:

drawing title: FIRST FLOOR SIGNAL PLAN
building no:
drawing no: E1-3
drawing 105 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.


ELEC 111
RECEIVING 110
FOOD SERVICE PREP 112
COLD STORAGE 109
DRY STORAGE 107
STORAGE 108
SELF SERVE AREA 102
KITCHEN 106
H.T.V. 103
TAIR 2 104
AIR LT
FIRE ALARM ANNUNCIATOR PANEL
PLAN NOTES
1.- PROVIDE CONNECTION TO KITCHEN EXHAUST HOOD SYSTEM PER MANUFACTURER'S REQUIREMENTS. VERIFY LOCATION PRIOR TO ROUGH-IN.
2.- PROVIDE 1" CONDUIT WITH FIRE ALARM AS REQUIRED TO FIRE ALARM CONTROL PANEL "FACP".
ADDENDUM NO. 1
DATE: 10/25/06
DSA NO.4 107979
THIS REVISES IN PART SHEET: E1-4
SHEET: ER-16
tBP architecture planning interiors management
ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949/631830 f: 949/6739267
LICENSED ARCHITECT JOHN M. KEAR, AIA NO. C6223 STATE OF CALIFORNIA
San Elijo Student Center Addition & Remodel
MiraCosta College
MEN'S 116
WOMEN'S 117
OFFICE 122
OFFICE 121
TOIL 118
WAI
IFERENCE 'B' 123





San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p 7146730300 F 7146739267

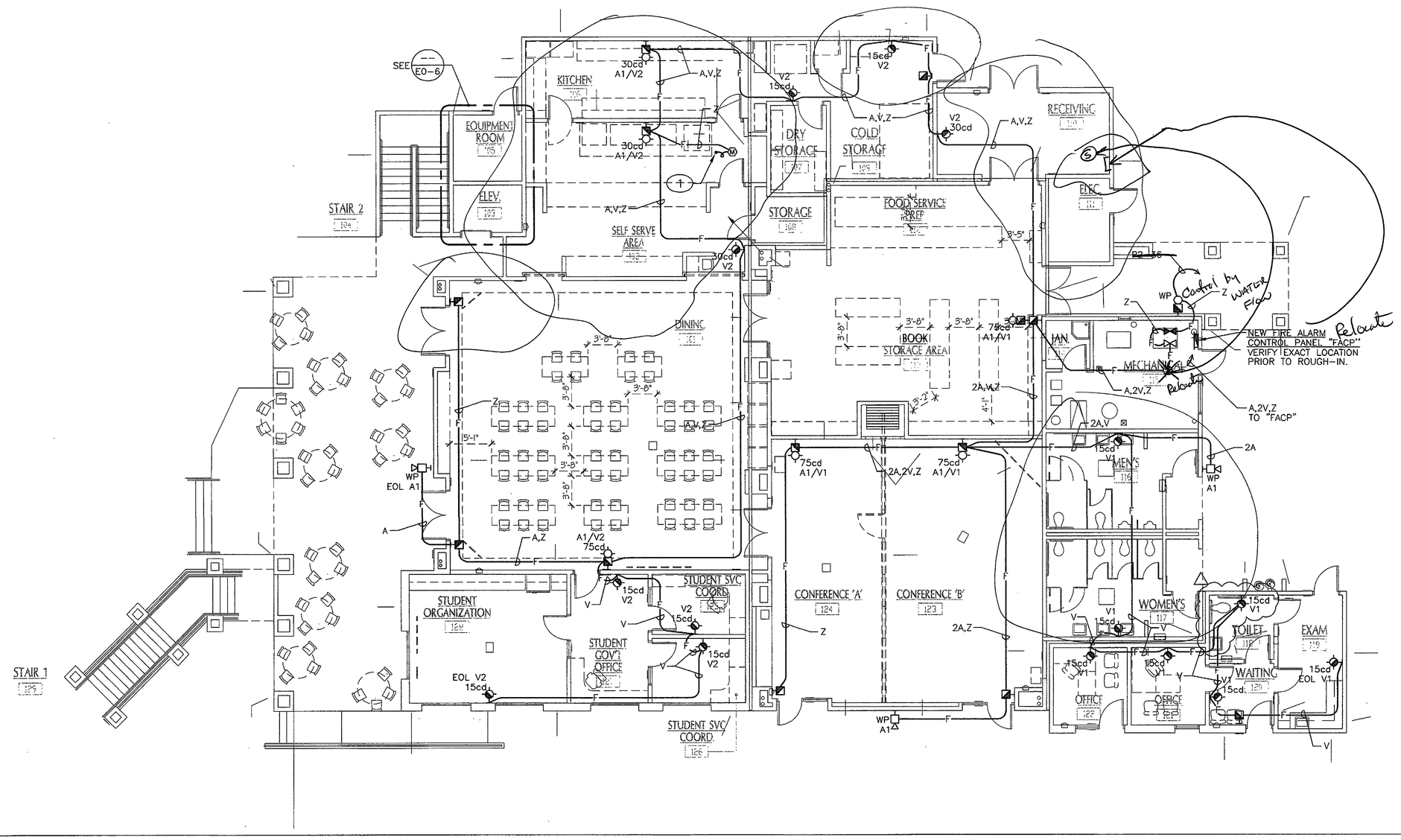
tBP architecture planning interiors management

ADDENDUM NO.	4
DATE:	11/17/06
DSA NO.4	-107979
THIS REVISES IN PART SHEET:	E1-4
SHEET:	ER-13

SECOND FLOOR FIRE ALARM PLAN 2
SCALE: 1/8"=1'-0"

SEE ER-16

ER-13



FIRST FLOOR FIRE ALARM PLAN 1
SCALE: 1/8"=1'-0"

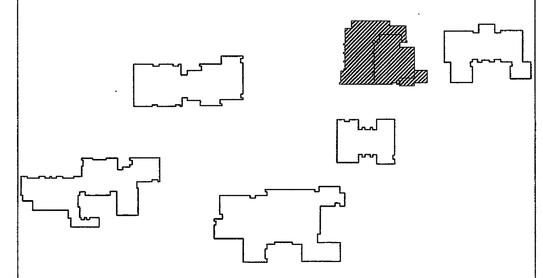
PLAN NOTES

1.– PROVIDE CONNECTION TO KITCHEN EXHAUST HOOD SYSTEM PER MANUFACTURER'S REQUIREMENTS. VERIFY LOCATION PRIOR TO ROUGH–IN.

2- SEE ER-16

MANUAL FIRE ALARM SYSTEM COMPLETE PLAN SUBMITTAL

KEY PLAN



tBP architecture planning interiors management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

GLP #115,050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8805
Fax 949-428-8805
consultant

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
ACCESS REVIEW
DATE SEP 2 8 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007
owner

tBP project number : 20408.10
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 04/19/06

Rev.	date:	description:

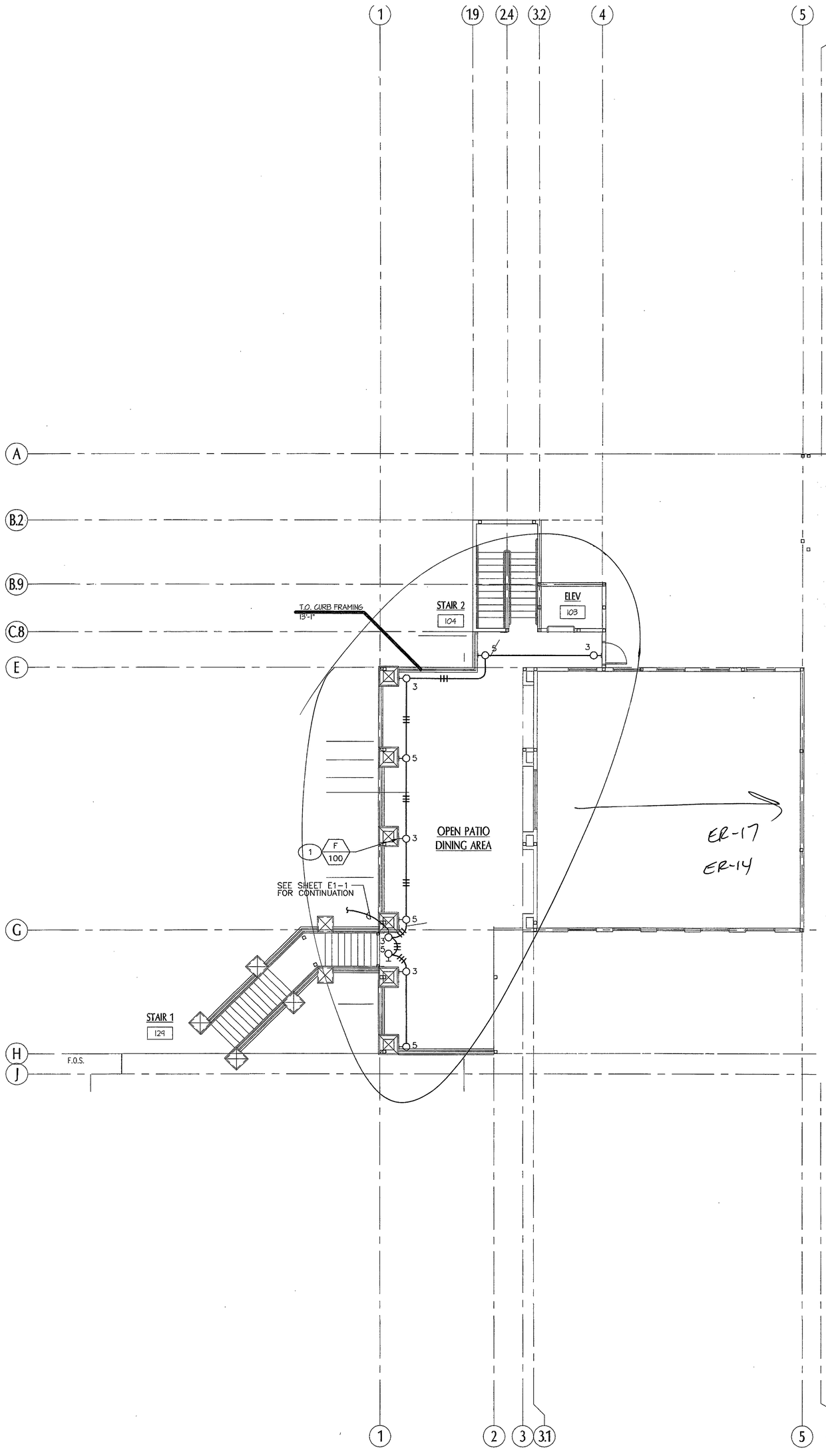
drawing title: FIRST FLOOR FIRE ALARM PLAN
building no:

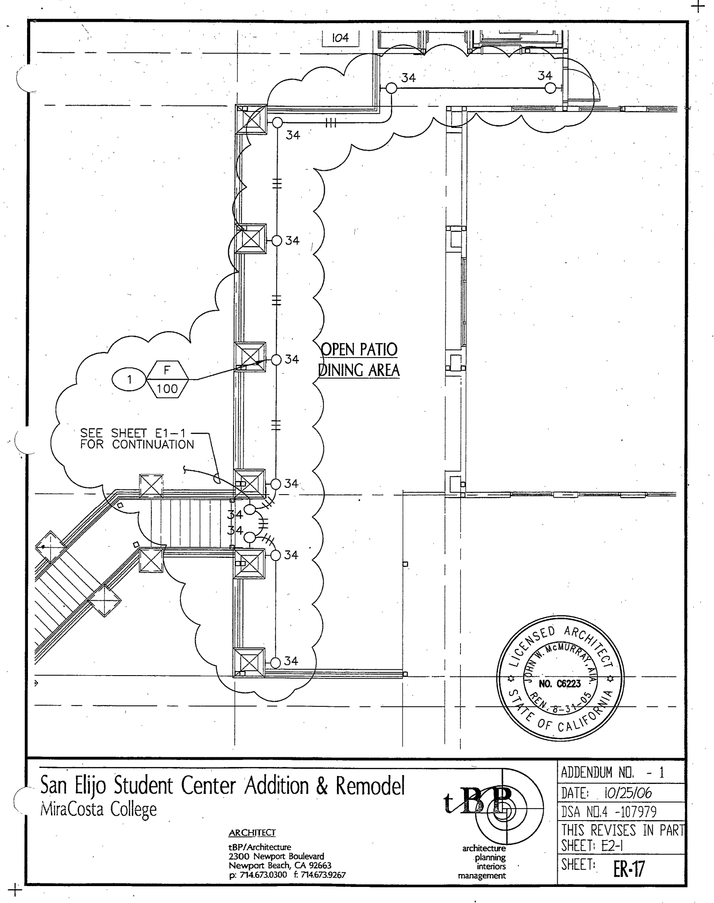
drawing no: E1-4
drawing 106 of 107

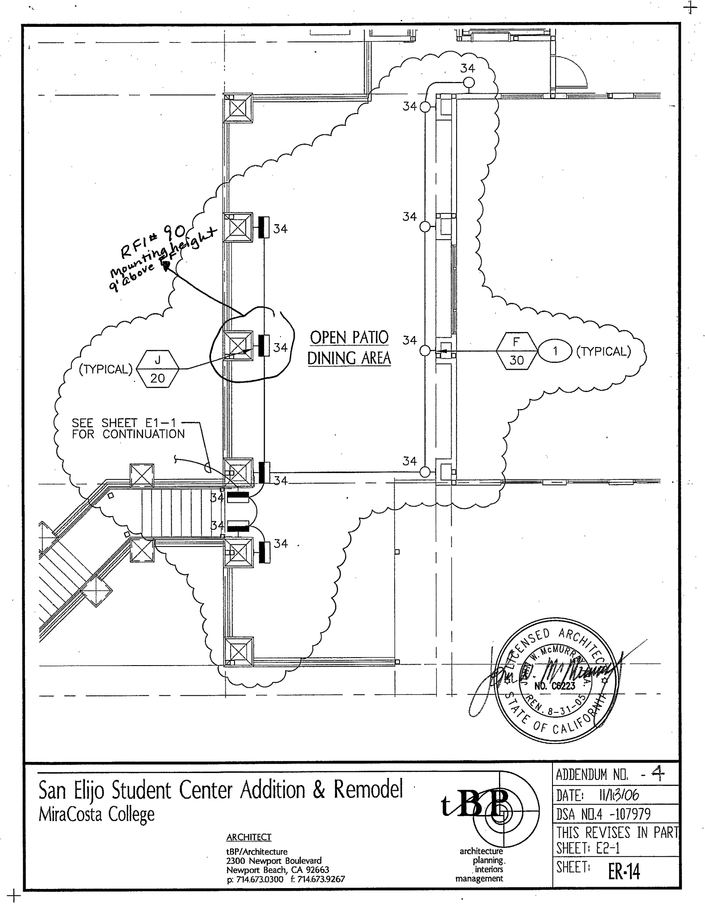
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

PLAN NOTES

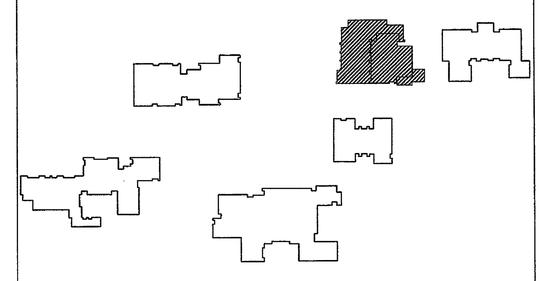
1.- VERIFY MOUNTING HEIGHT OF ALL TYPE "F" FIXTURES WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.







KEY PLAN



SECOND DECK AND LOWER ROOF LIGHTING PLAN | 1
SCALE: 1/8"=1'-0"

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

GLP #115,050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805
consultant

CERTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC- 115 21 SS DU
DATE SEP 28 2006
agency

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

San Elijo Student Center
MiraCosta College

MiraCosta College • San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

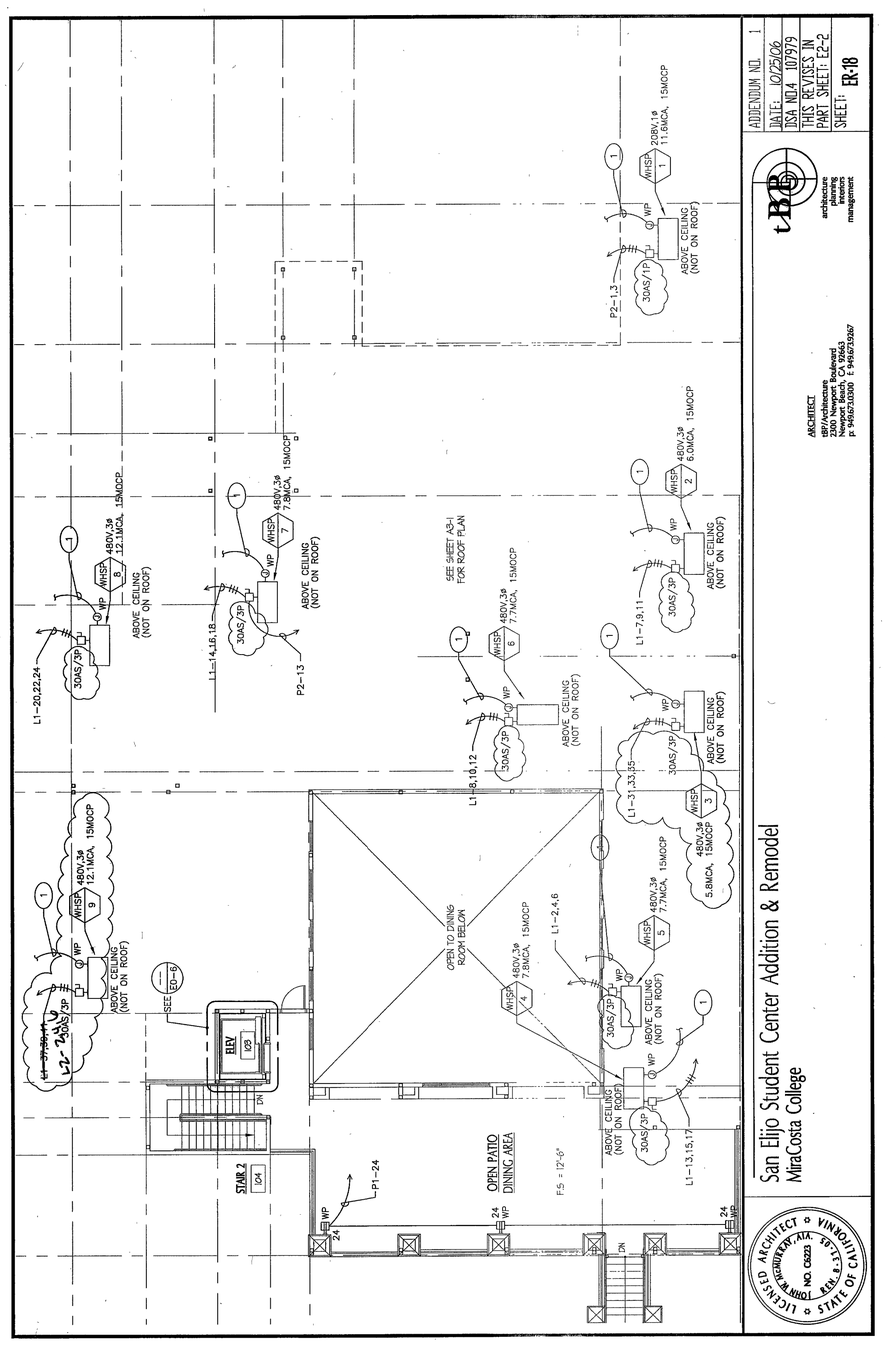
tBP project number : 20489.10
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 09/19/06

Rev:	date:	description:

drawing title: SECOND DECK AND LOW ROOF LIGHTING
building no:

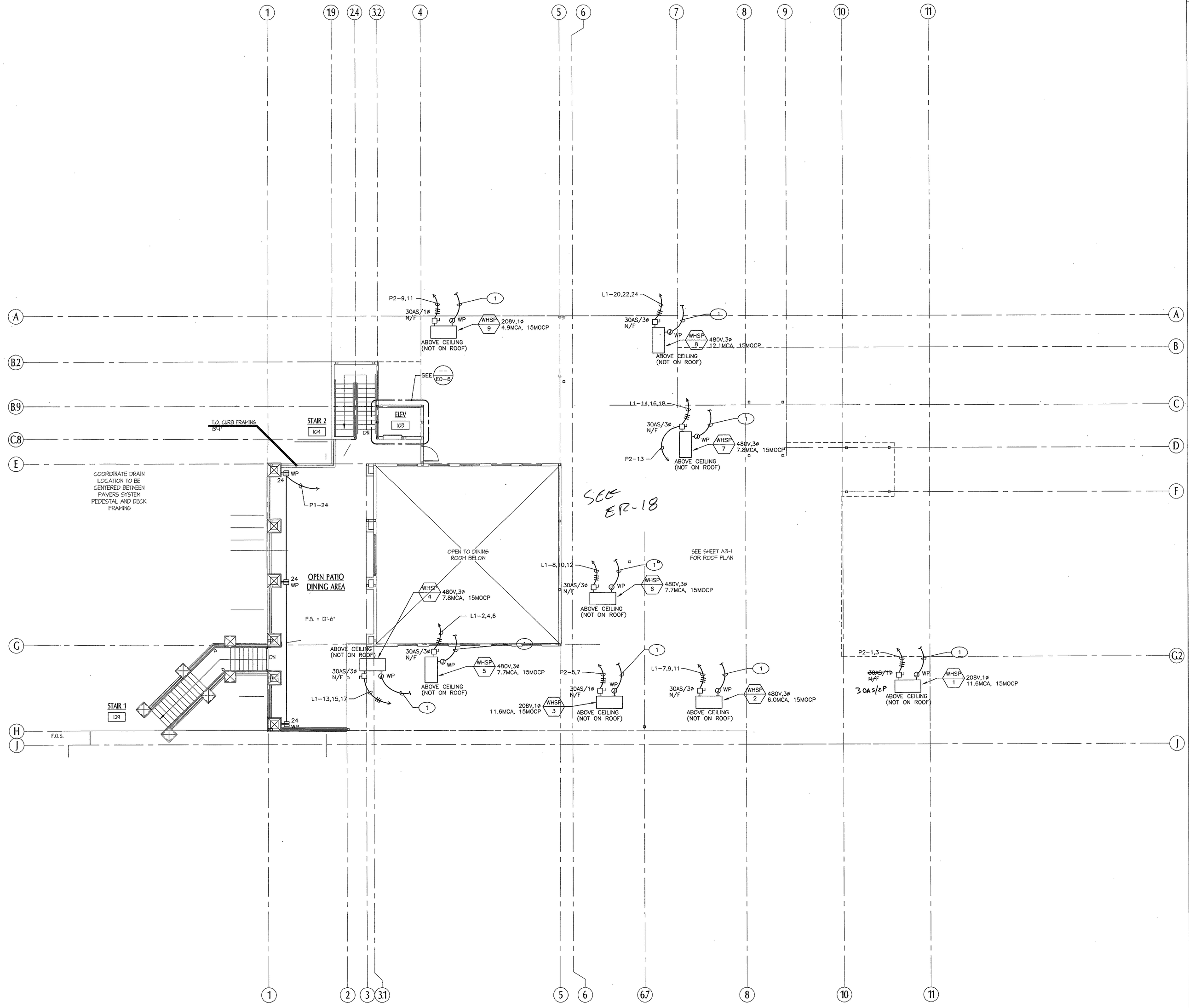
drawing no: E2-1
drawing 107 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

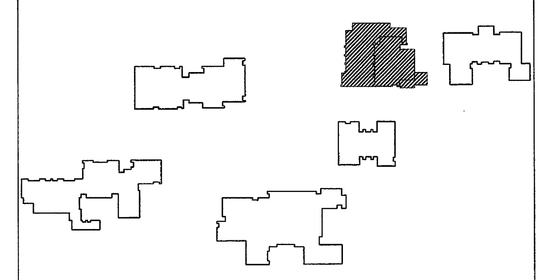

ADDENDUM NO. 1
DATE: 10/25/06
DSA NO.4 107979
THIS REVISES IN PART SHEET: E2-2
SHEET: ER-18
tBP architecture planning interiors management
ARCHITECT
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9367
San Elijo Student Center Addition & Remodel
MiraCosta College
LICENSED ARCHITECT
ROBERT A. KIRKMAN, AIA
NO. C6023
STATE OF CALIFORNIA
OPEN TO DINING ROOM BELOW
OPEN PATIO DINING AREA
STAIR 2
ELEV
SEE E2-6
ABOVE CEILING (NOT ON ROOF)
SEE SHEET A2-1 FOR ROOF PLAN
WHSP
WP
30AS/3P
480V,3ø 12.1MCA, 15MOCP
480V,3ø 7.8MCA, 15MOCP
480V,3ø 7.7MCA, 15MOCP
480V,3ø 6.0MCA, 15MOCP
480V,3ø 5.8MCA, 15MOCP
208V,1ø 11.6MCA, 15MOCP
L1-20,22,24
L1-14,16,18
L1-8,10,12
L1-2,4,6
L1-7,9,11
L1-31,33,35
L1-13,15,17
P2-1,3
P2-13
P1-24
F.S. = 12'-6"

PLAN NOTES

1.– REFER TO MECHANICAL DRAWINGS CONTROL DIAGRAMS FOR ALL SENSORS, TIMECLOCKS, RELAYS, TIMERS, STARTERS, LINE AND LOW VOLTAGE CONDUIT AND WIRING. PROVIDE AS REQUIRED.



KEY PLAN



LOWER ROOF AND ABOVE INTERIOR CEILING HVAC ELECTRICAL PLAN | 1

SCALE: 1/8"=1'-0"

0 4' 8' 16'

north

NORTH

tBP
architecture
planning
interiors
management

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

architect

GLP #115,050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

consultant

INDIVIDUAL STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC. — RS 05 DA
DATE SEP 2 8 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

agency

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

owner

tBP project number : 2048410
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 09/19/06

Rev.	date:	description:

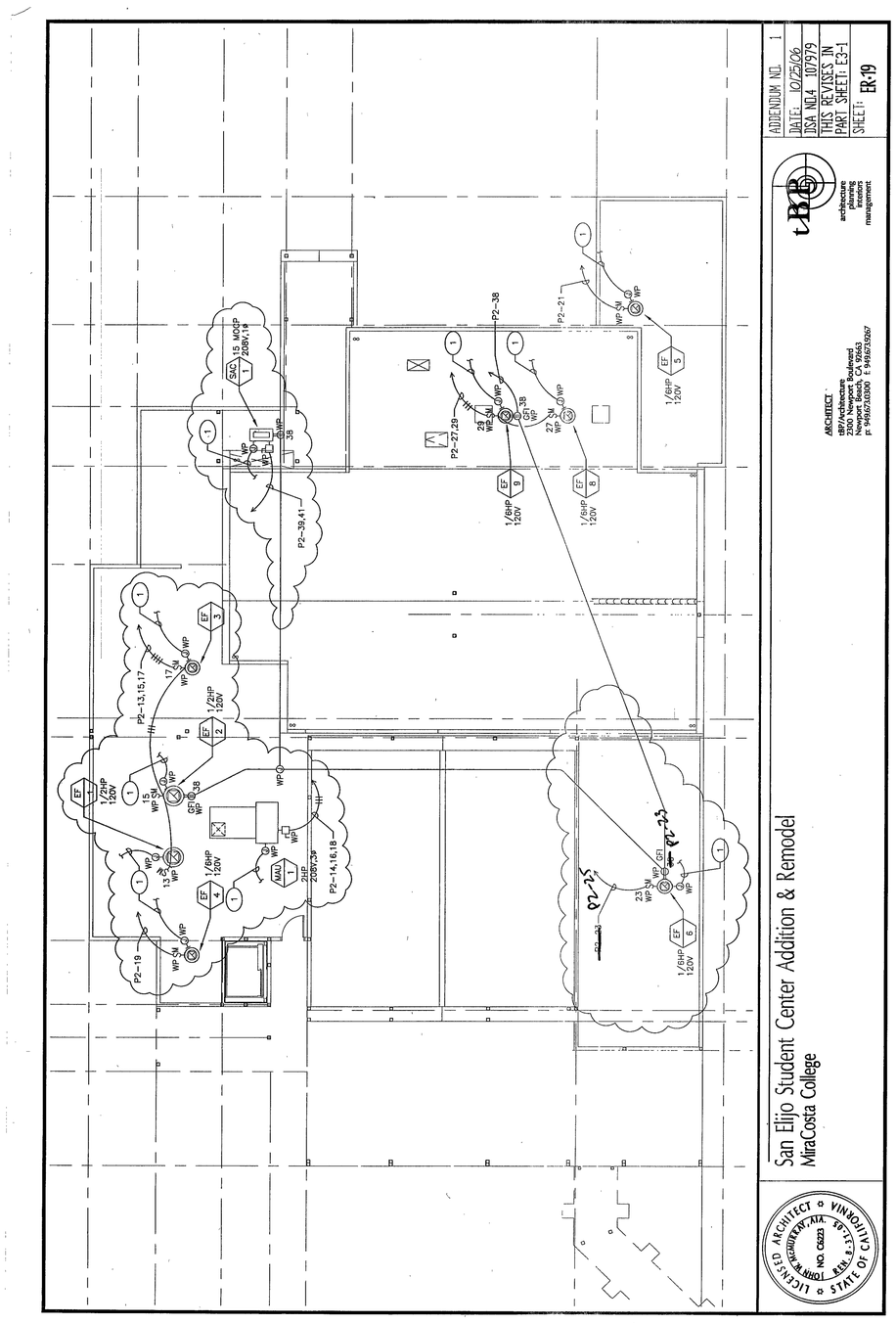
drawing title: SECOND DECK AND LOWER ROOF ELECTR.
building no:

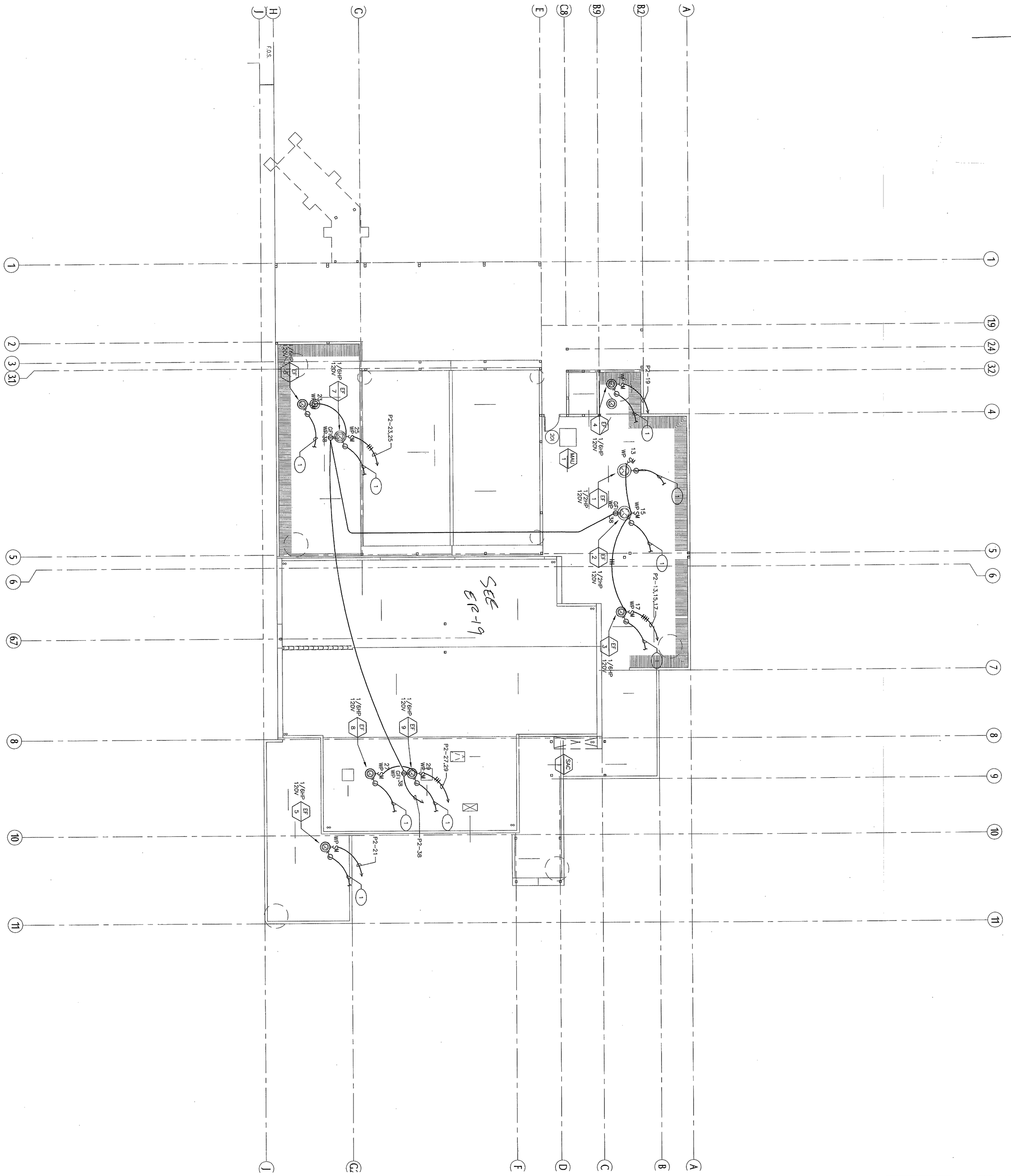
drawing no.: E2-2

drawing 108 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.





ROOF ELECTRICAL PLAN

SCALE: 1/8"=1'-0"

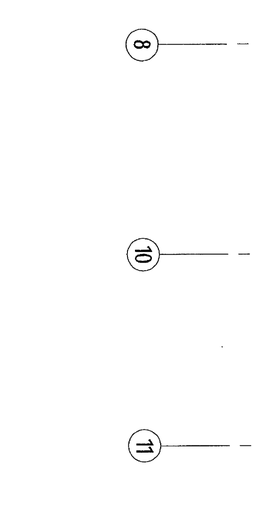
0 4' 8' 16'

North

PLAN NOTES

1.- REFER TO MECHANICAL DRAWINGS CONTROL DIAGRAMS FOR ALL SENSORS, TIMECLOCKS, RELAYS, TIMERS, STARTERS, LINE AND LOW VOLTAGE CONDUIT AND WIRING. PROVIDE AS REQUIRED.

KEY PLAN



drawing no: E3-1

drawing of

drawing title: ROOF ELECTRICAL PLAN

building no:

Rev.	date	description

date 04/14/06

drawn by: CG checked by:

file name: 0AS-00.dwg

tBP project number : 2048.10

owner

San Elijo Student Center
MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007

agency

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC — FLS — SS — DL
DATE SEP 2 9 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471

consultant

REGISTERED PROFESSIONAL ENGINEER
GARY L. PAK
No. E 17252
EXP. 06-30-08
ELECTRICAL
STATE OF CALIFORNIA

GLP #115.050
GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Garry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805

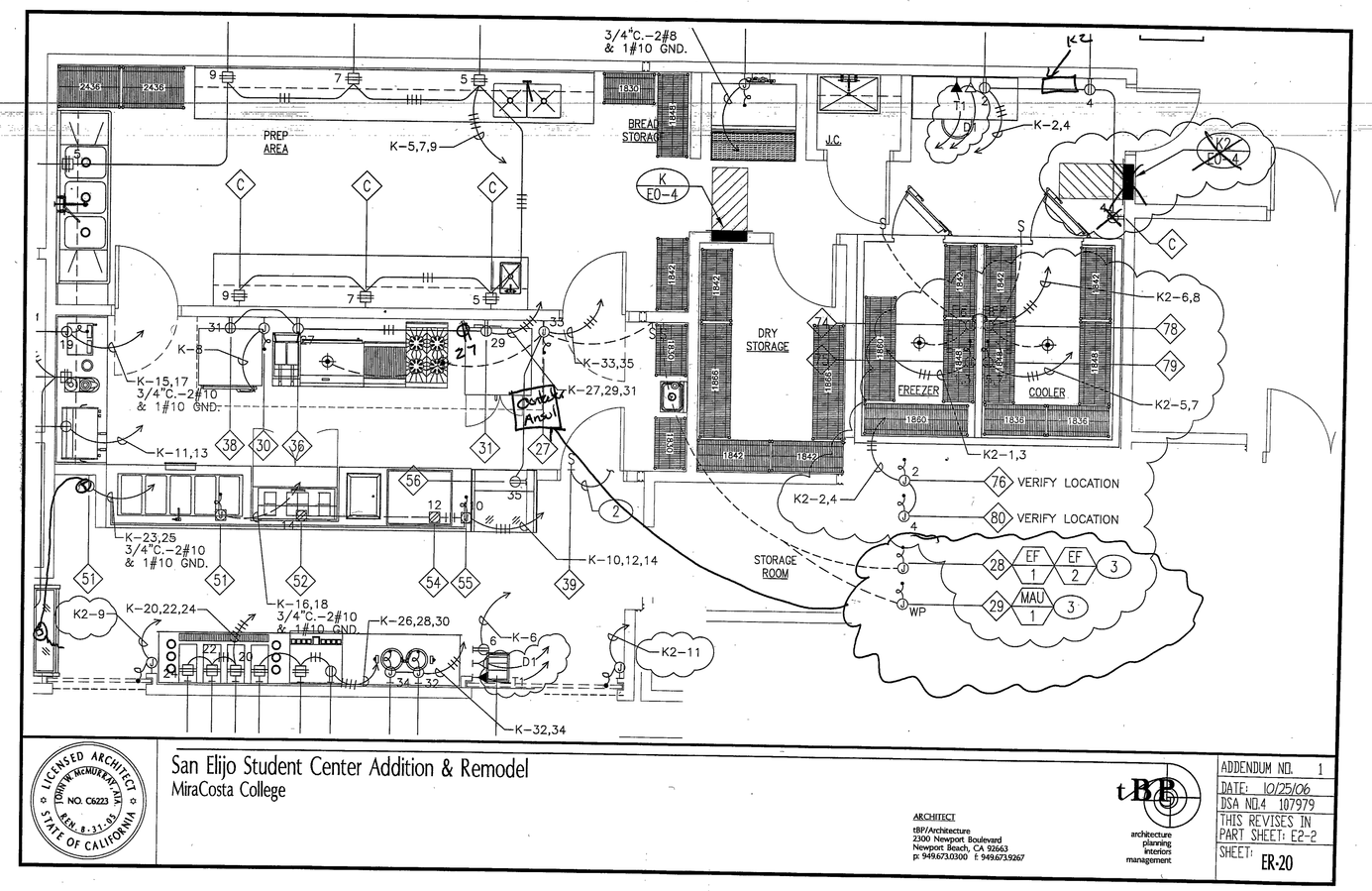
architect

LICENSED ARCHITECT
JAMES McMURTRY
No. 06225
REN. 8-31-07
STATE OF CALIFORNIA

tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267

tBP
architecture
planning
interiors
management

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.



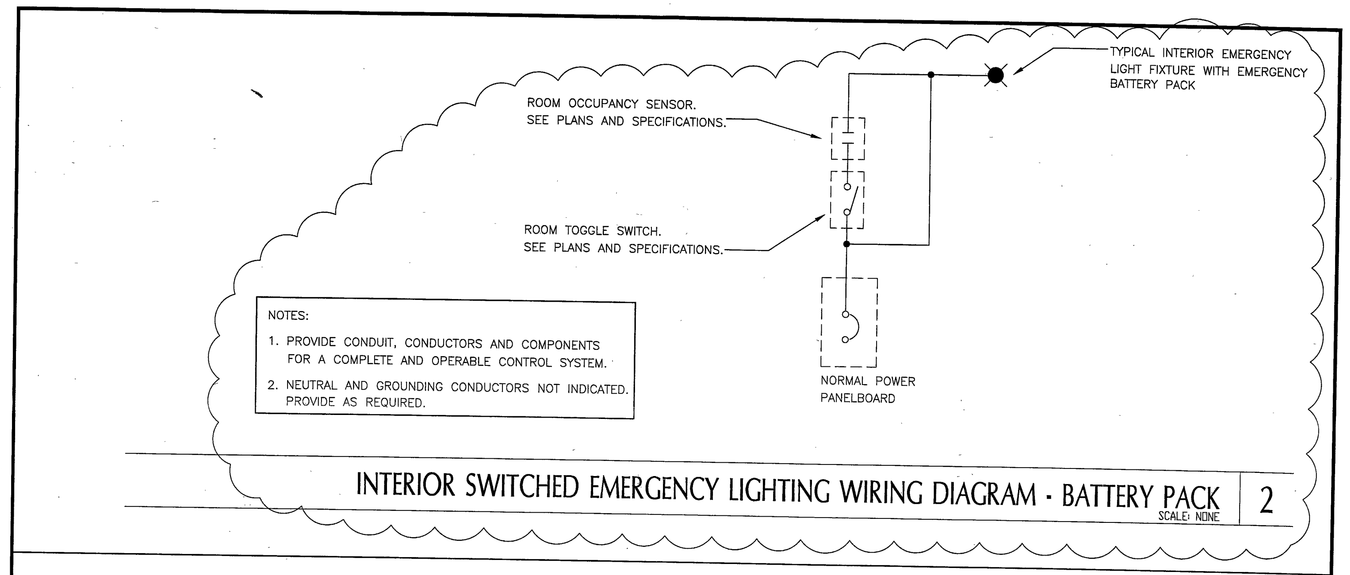
LICENSED ARCHITECT
TOM M. BENNETT, JR.
NO. C6223
REN. 8-31-08
STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBB Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

tBB
architecture
planning
interiors
management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4	107979
THIS REVISES IN PART SHEET:	E2-2
SHEET:	ER-20



NOTES:

1. PROVIDE CONDUIT, CONDUCTORS AND COMPONENTS FOR A COMPLETE AND OPERABLE CONTROL SYSTEM.
2. NEUTRAL AND GROUNDING CONDUCTORS NOT INDICATED. PROVIDE AS REQUIRED.

INTERIOR SWITCHED EMERGENCY LIGHTING WIRING DIAGRAM - BATTERY PACK 2

SCALE: NONE

PLAN NOTES

1.– REFER TO MECHANICAL DRAWINGS CONTROL DIAGRAMS FOR ALL SENSORS, TIMECLOCKS, RELAYS, TIMERS, STARTERS, LINE AND LOW VOLTAGE CONDUIT AND WIRING. PROVIDE AS REQUIRED.

2.– PROVIDE 3/4"C. WITH CONTROL WIRING TO FIRE PROTECTION SYSTEM PER MANUFACTURER'S REQUIREMENTS.

3.– REFER TO SHEET E3–1 FOR ELECTRICAL CONNECTIONS AND LOCATIONS OF MECHANICAL EQUIPMENT. CONNECT EXHAUST FANS AND MAKE–UP AIR UNIT TO HOOD CONTROLS PER MANUFACTURER'S REQUIREMENTS.

LICENSED ARCHITECT
TOM M. BENNETT, JR.
NO. C6223
REN. 8-31-08
STATE OF CALIFORNIA

San Elijo Student Center Addition & Remodel
MiraCosta College

ARCHITECT
tBB Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
p: 949.673.0300 f: 949.673.9267

tBB
architecture
planning
interiors
management

ADDENDUM NO.	1
DATE:	10/25/06
DSA NO.4	107979
THIS REVISES IN PART SHEET:	E2-2
SHEET:	ER-21

Exhibit 7 – SAN B900 RENOVATION PLANS 2007. REFERENCE DOCUMENTS ONLY.
SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit

MiraCosta EQUIPMENT SCHEDULE

ITEM NO	QTY	EQUIPMENT CATEGORY	AMPS	KW	VOLTS	PHASE	DIRECT PLUG	COLD WATER SIZE (IN)	HOT WATER SIZE (IN)	DIRECT DRAIN SIZE (IN)	INDIR DRAIN SIZE (IN)	GAS SIZE (IN)	MBTUH	EQUIPMENT REMARKS
5	1	ICE MAKER W/ BIN	26.7		208	1	X	3/8			X			
27	1	EXHAUST HOOD W/LIGHT	5.0		120		X							STAINLESS STEEL, CONSTRUCTED & INSTALLED TO ALL U.L. SPECIFICATIONS
28	1	EXHAUST HOOD BLOWER	VER.		208	1	X							VERIFY LOCATION ON ROOF. SPECIFICATION BY MECH. ENGINEER
29	1	MAKE-UP AIR SYSTEM	VER.		120	1	X							VERIFY LOCATION ON ROOF. SPECIFICATION BY MECH. ENGINEER
30	1	FIRE PROTECTION SYSTEM	5.0		120	1	X							KEC TO PROVIDE GAS SHUT OFF VALVE, INSTALLED BY PLUMBER, ELECTRICAIN TO PROVIDE MAGNETIC CONTACTOR
31	1	OVEN, CONVECTION, GAS	9.4		120	1	X					3/4	60	
36	1	FRYER, DEEP FAT, GAS	7.0		120	1	X					3/4	110	
38	1	REFRIGERATOR, ROLL-IN	X		X	1	X							SELF CONTAINED
43	1	COFFEE MAKER, AIRPOT, AUTOMATIC	17.0	4.0	120	1	X	1/4						
45	1	COFFEE GRINDER	5.0		110	1	X							
46	1	ESPRESSO COFFEE MACHINE	15.6		208	1	X	1/4			X			DRAINS TO FLOOR SINK
47	1	DISPLAY CASE, REFRIGERATED	X		X		X							
51	1	DROP-IN, HOT WELLS	21.6	4.5	208	1	X							DRAINS TO FLOOR SINK
52	1	REFRIGERATOR, SANDWICH/SALAD PREP	8.6		120	1	X							SELF CONTAINED
54	1	DROP-IN, HEATED SHELF		1.1	120	1	X							
55	1	FOOD WARMER, OVERHEAD	10.8		120	1	X							
56	1	DISPLAY CASE, REFRIGERATED	7.0		115	1	X							SELF CONTAINED
60	4	DRINK DISPENSER	15.0		120	1	X	1/4						
63	1	SODA DISPENSER	5.0		120	1	X				X			SELF -SERVICE, PUSH BUTTON TYPE. DRAINS TO FLOOR SINK
64	1	CARBONATOR	5.0		120	1	X	1/2			X			W/BACKFLOW PREVENTOR. SEE HEALTH NOTES FOR DETAIL. DRAINS TO FLOOR SINK
65	1	DROP-IN, HOT WELLS	6.7	0.8	120	1	X							
66	1	DROP-IN, HOT WELLS	6.7	0.8	120	1	X							
68	1	P.O.S. STATION	5.0		120	1	X							PROVIDED BY OWNER
74	1	WALK-IN FREEZER WITH LIGHT	5.0		120		X							PRE FABRICATED G.I. PANEL.
75	1	WALK-IN FREEZER CONDENDSER	15.0		208	1	X							VERIFY LOCATION.
76	1	WALK-IN FREEZERC COIL (FAN)	5.0		120	1	X				X			DRAINS TO FLOOR SINK
78	1	WALK-IN COOLER WITH LIGHT	5.0		120		X							PRE FABRICATED G.I. PANEL.
79	1	WALK-IN COOLER CONDENDSER	15.0		208	1	X							VERIFY LOCATION.
80	1	WALK-IN COOLER COIL (FAN)	5.0		120	1	X				X			DRAINS TO FLOOR SINK

ELECTRICAL NOTES

1. ALL ELECTRICAL OUTLETS AND CONNECTIONS SHOWN ON THIS PLAN ARE FOR EQUIPMENT SHOWN ON FOOD SERVICE EQUIPMENT PLAN ONLY. SEE ELECTRICAL PLANS, NOTES, AND SCHEDULES (WHERE PROVIDED) FOR ADDITIONAL INFORMATION.
2. ELECTRICAL CONTRACTOR TO VERIFY INCOMING SERVICE, TO PROVIDE FINAL CONNECTIONS TO ALL APPLICABLE FOOD SERVICE EQUIPMENT AND TO PROVIDE ALL SWITCHES, BREAKERS, CONDUIT, STARTERS, ETC., UNLESS SPECIFICALLY STATED OTHERWISE.
3. ELECTRICAL CONTRACTORS SHALL PROVIDE ALL JUNCTION BOXES, OUTLETS, AND RECEPTACLES IN FIXTURES FABRICATOR TO LOCATE ALL RECEPTACLES AND SWITCHES WHEN PART OF FIXTURES INTERNAL WIRING TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
4. ALL HORIZONTAL DIMENSIONS SHOWN ARE FROM FINISHED FACE OF WALL TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED ON PLANS OR DETAILS.
5. ALL SYMBOLS NOTED "+12'+15', ETC.,TO STUB-OUT OF WALL AT HEIGHT INDICATED. HEIGHT IS GIVEN FROM FINISHED FLOOR TO CENTER LINE OF OUTLET NOT FINISHED CURB.
6. ELECTRICAL CONTRACTOR TO PROVIDE 5" PIGTAIL FLEX CONDUIT AT ALL DIRECT CONNECT STUB-OUTS, EXTENDED AND CONNECTED TO FIXTURES.
7. ELECTRICAL CONTRACTOR TO WIRE MAGNETIC CONTACTOR(S) FOR POWER SHUT- OFF FOR ALL ELECTRIC COOKING EQUIPMENT AND ALL ELECTRICAL OUTLETS UNDER HOOD THAT IS PROTECTED BY THE FIRE PROTECTION SYSTEM. CONNECT 115 VOLT CONTROL CIRCUIT FROM MICRO SWITCH SYSTEM ON CYLINDER, MOUNT TO HOLDING COIL OF CONTACTORS
8. ELECTRICAL CONTRACTOR TO PROVIDE A MINIMUM OF THREE(3) WIRES ON ALL 208 OR 230 VOLT CIRCUITS.
9. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL STAINLESS STEEL COVER PLATES FOR ALL RECEPTACLES AND SWITCHES FOR FOOD PREPARATION AREAS UNLESS NOTED OTHERWISE. ALL RECEPTACLES TO BE SET HORIZONTALLY.
10. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL GENERAL LIGHTING FIXTURES COMPLETE WITH LAMPS.
11. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL LIGHTS MARKED "EXIT" TO MEET CODES, INTERNALLY ILLUMINATED WITH THE WORD "EXIT" IN GREEN LETTERS WITH WHITE BACKGROUND.
12. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL(2) SEPARATE CIRCUITS FOR EXIT SIGNS CONFORMING TO CODE SECTIONS AS FOLLOWS: UFC SEC. 1211.3&(1), SEC. 1211.4&(1); UBC SEC. 3313&, SEC. 3314&.
13. ELECTRICAL CONTRACTOR TO PROVIDE ALL NECESSARY FORMS REQUIRE FOR TITLE 24 BUILDING DEPARTMENT REQUIREMENTS.
14. ELECTRICAL CONTRACTOR TO PROVIDE NEW ELECTRICAL PANEL, IF NECESSARY AND NOTE ELECTRICAL RUN SIZES, WIRING, ETC., PER BUILDING DEPARTMENT REQUIREMENTS.
15. ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL FOR WALK-IN FREEZER AND COOLER, VERIFY LOCATION AND POWER REQUIRED.
16. ELECTRICAL CONTRACTOR TO INSTALL HOOD LIGHTING, INTERCONNECT LIGHTS IF MORE THAN ONE PROVIDED AND MAKE FINAL CONNECTION.
17. ELECTRICIAN TO PROVIDE CONVENIENT OUTLETS WHERE APPLICABLE PER CODES AND OWNER'S REQUIREMENTS.
18. ELECTRICIAN TO CONTACT CLIENT ON ELECTRICAL INFORMATION AND LOCATION FOR: SOUND SYSTEMS; CASH REGISTERS; TELEPHONE SYSTEMS; OR ANY OTHER FIXTURES NOT RELATED TO FOOD SERVICE EQUIPMENT PROVIDED.
19. ELECTRICIAN TO INSTALL ALL KITCHEN EQUIPMENT CONTROL PANELS. PROVIDE ALL WIRING CONNECTION BETWEEN EQUIPMENT AND CONTROL PANEL (SEE PLAN FOR ITEMS THAT EQUIPT WITH SEPARATE CONTROL PANEL)
20. ELECTRICIAN TO PROVIDED AND INSTALL 4" OCTAGON FIRE SUPPRESSION PULL STATION TO BE MOUNTED 48" FROM FINISHED FLOOR AT EGRESS EXIT WITH 1/2" CONDUIT (SEE DETAIL). ELECTRICIAN TO PROVIDE AND INSTALL ELECTRICAL MAGNETIC CONTACTOR CONNECT TO FIRE PROTECTION SYSTEM TO SHUT-OFF ALL ELECTRICAL COOKING EQUIPMENT AND ELECTRICAL OUTLETS BELOW EXHAUST HOOD(S).
21. ELECTRICIAN TO PROVIDE ALL KITCHEN EQUIPMENT ELECTRICAL HOOK UPS AND FINAL CONNECTIONS.
22. WHERE ANY PLANS OR SPECIFICATIONS ARE INCOMPLETE, AMBIGUOUS, OR CONTAIN CONFLICTING INSTRUCTIONS THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO CONTACT THE K.E.C. FOR CLARIFICATION BEFORE PROCESSING.

ELECTRICAL LEGEND

- DUPLEX RECEPT., 20-AMP, 120-VOLT, GROUNDING TYPE. NEMA 5/20R PLUG TYPE. NOTE: AT BAR DIEWELLS, MOUNT RECEPTACLES HORIZONTALLY PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- SPECIAL RECEPT., 120/208V OR 208 VOLT GROUND TYPE, HORIZONTAL MOUNT
- DEDICATED OUTLET, HORIZONTAL MOUNT FOR CASHIER/COMPUTER 120V. 15 AMP.
- SPECIAL PURPOSE OUTLET, 120-VOLT, GROUND TYPE, HORIZONTAL MOUNT
- TELEPHONE JACK PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- JUNCTION BOX WALL MOUNTED FLUSH WITH FINISH, U.O.N. PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- ELECTRICAL CONDUIT, STUB AS INDICATED
- VAPOR PROOF LIGHT
- FIELD WIRING, EXPOSED RIGID WATERTIGHT CONDUIT
- FIELD WIRING, CONCEALED IN WALL, FLOOR, OR CEILING
- (C) CONVENIENCE OUTLET , GROUND TYPE 115-VOLT, 15AMP. HORIZONTAL MOUNT NOTE: AT BAR DIEWELLS, MOUNT RECEPTACLES HORIZONTALLY PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- 5 MIN. AIR EXCHANGE FAN 12 EXCHANGES PER HOUR
- WALL MOUNTED SWITCH VERIFY TYPE W./ OWNER/DESIGNER PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- STUB-UP ELECTRICAL CONNECTIONS HEIGHT AS SPECIFIED
- REMOTE PULL STATION FOR FIRE SUPPRESSION SYSTEM - PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR

K.E.C. = KITCHEN EQUIPMENT CONTRACTOR
G.C.= GENERAL CONTRACTOR
P.C. = PLUMBING CONTRACTOR
M.W. = MILLWORK CONTRACTOR
TYP. = TYPICAL
U.O.N. = UNLESS OTHERWISE NOTED

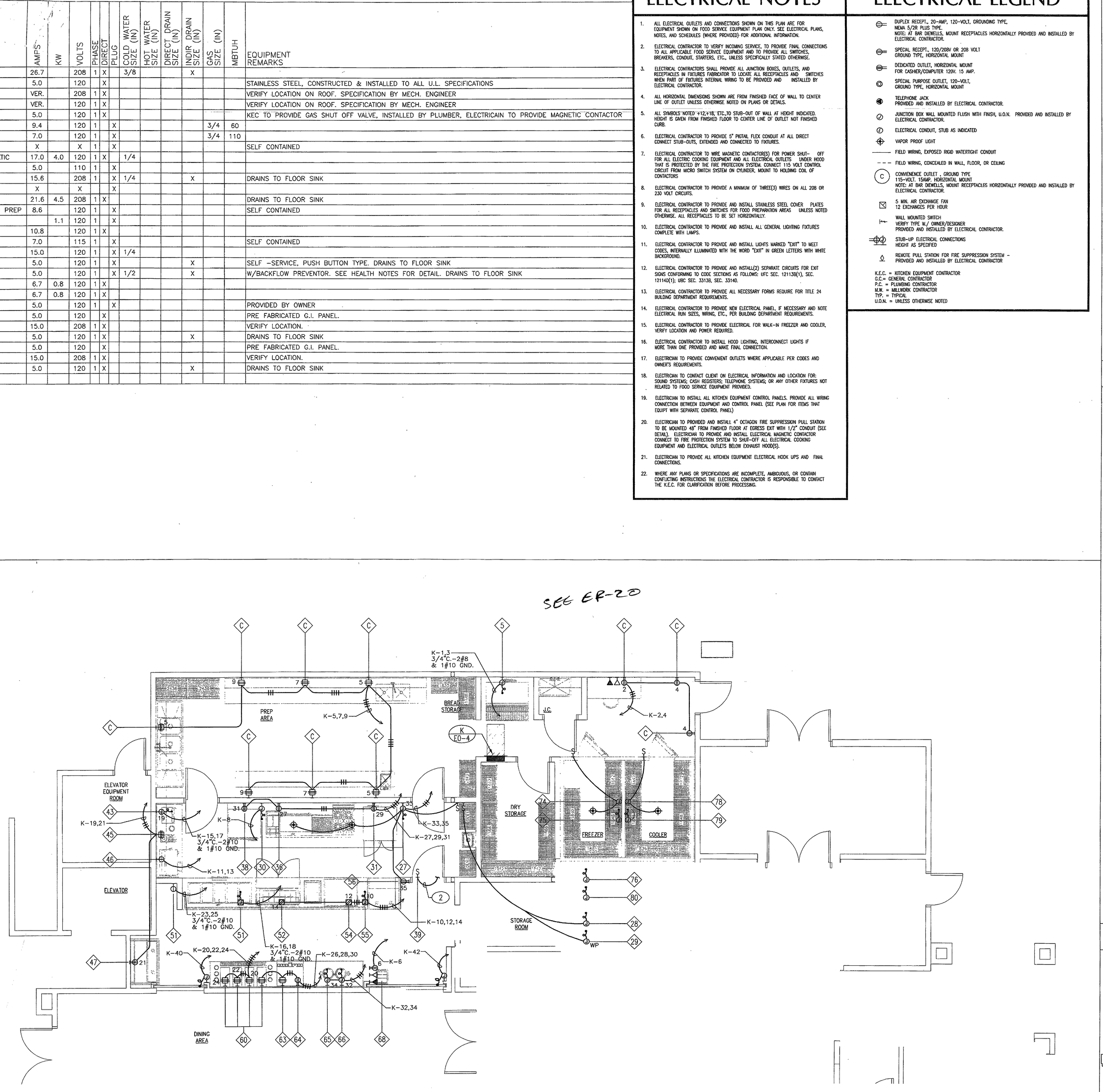
PLAN NOTES

1.- REFER TO MECHANICAL DRAWINGS CONTROL DIAGRAMS FOR ALL SENSORS, TIMECLOCKS, RELAYS, TIMERS, STARTERS, LINE AND LOW VOLTAGE CONDUIT AND WIRING. PROVIDE AS REQUIRED.

2.- PROVIDE 3/4"Ø. WITH CONTROL WIRING TO FIRE PROTECTION SYSTEM PER MANUFACTURER'S REQUIREMENTS.

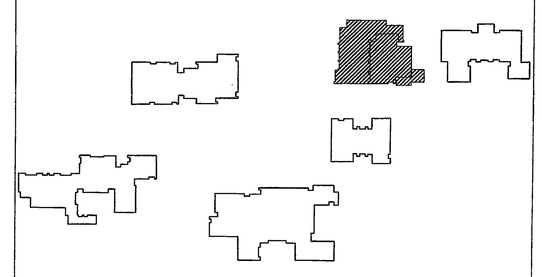
FOOD SERVICE GENERAL NOTES

1. INTERNAL WIRING AND PLUMBING OF FABRICATED FIXTURES SHALL BE THE RESPONSIBILITY OF THE FIXTURE MANUFACTURER, UNLESS OTHERWISE NOTED. FINAL HOOKUP OF EQUIPMENT AND FIXTURES SHALL BE BY THE ELECTRICAL AND/OR PLUMBING CONTRACTORS.
2. SYMBOLS FOR OUTLETS ON WALLS ARE SHOWN AT A SPECIFIC HEIGHT. THE HEIGHT OF AN OUTLET IS GIVEN FROM THE FINISH FLOOR TO THE CENTER LINE OF THE OUTLET, UNLESS OTHERWISE NOTED.
3. HORIZONTAL DIMENSIONS ARE SHOWN FROM THE FACE OF THE FINISHED WALL TO THE CENTER LINE OF THE OUTLET, OR FROM THE CENTER LINE OF OUTLET TO CENTER LINE OF OUTLET, UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE JOB SITE BEFORE STARTING FABRICATION OF CUSTOM FABRICATED FIXTURES.
5. CONVENIENCE OUTLETS SHALL BE SET HORIZONTALLY.
6. WHERE STUBBING UP OUT OF A FLOOR, CONDUIT SHALL EXTEND A MINIMUM OF 4" ABOVE THE FINISHED FLOOR OR CURB.
7. CONTRACTOR SHALL SUPPLY AND INSTALL STAINLESS STEEL COVER PLATES ON PARTIALLY OR WHOLLY EXPOSED PULL BOXES AND ACCESS BOXES.
8. CONTRACTOR SHALL SUPPLY AND INSTALL LOCKOUT DEVICES ON BREAKERS FOR CLOCKS, MECHANICAL REFRIGERATION SYSTEMS, CONTROL WIRING AND EXHAUST HOOD FIRE PROTECTION SYSTEM CONTROLS.
9. CONTRACTOR SHALL SUPPLY AND INSTALL SWITCHES FOR HEAT LAMPS, EXHAUST HOOD LIGHTS AND MAKE-UP AIR SYSTEMS. VERIFY LOCATIONS WITH ARCHITECT.
10. WHEN ELECTRIC SOLENOID GAS SHUTOFF VALVES ARE SPECIFIED FOR THE EXHAUST HOOD FIRE PROTECTION SYSTEM, THE EXHAUST HOOD FIRE PROTECTION SYSTEM CONTRACTOR SHALL FURNISH AND ELECTRICAL SECTION SHALL INSTALL THE DEVICES. REFER TO KITCHEN DRAWGINS, SHEET K-5.
11. CONTRACTOR SHALL PROVIDE POWER FOR AND CONNECT REFRIGERATION COMPRESSORS AND BLOWER COILS, AND AUTOMATIC DEFROST SYSTEMS SHOWN ON THE REFRIGERATION SCHEDULE. FURNISH AND INSTALL MAGNETIC STARTERS AND THERMO-OVERLOAD PROTECTION DEVICES AS REQUIRED.
12. CONTRACTOR SHALL PACK SEAL AND ALL EXPOSED J-BOXES AND CONDUIT ON WALK-IN COOLERS AND FREEZERS TO PREVENT INTERNAL CONDENSATION.
13. CONTRACTOR SHALL PROVIDE POWER TO AND CONNECT KITCHEN EXHAUST AND MAKE-UP AIR BLOWER MOTORS, WHETHER PROVIDED BY FOOD SERVICE EQUIPMENT AND FIXTURE CONTRACTOR OR HVAC SECTION.
14. CONTRACTOR SHALL PROVIDE CONDUITS AND PULL BOXES FOR REFRIGERATION, BEVERAGE AND SODA LINES.
15. BEFORE INSTALLING J-BOXES OR OTHER FITTINGS ON WALK-IN REFRIGERATOR WALLS OR CEILINGS, VERIFY EXISTENCE OF ADEQUATE SUPPORT AND INSULATION WITH REFRIGERATOR MANUFACTURER. ALL CONDUIT MOUNTED ON INTERIOR OF WALK-INS SHALL BE SPACED 1" OFF WALL.



ENLARGED FOOD SERVICE ELECTRICAL PLAN | 1
SCALE: 1/4"=1'-0"

KEY PLAN



tBP architecture planning interiors management
tBP/Architecture
2300 Newport Boulevard
Newport Beach, CA 92663
ph: 949.673.0300 fx: 949.673.9267
architect

GLP Engineering, Inc.
Mechanical and Electrical Engineers
1751 E. Gerry Ave.
Santa Ana, CA 92705
Telephone 949-428-8800
Fax 949-428-8805
CLP #11,050
consultant

DSA APPROVED
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-107979
AC. ___ PSD ___ SS
DATE SEP 28 2006

Division of the State Architect
16680 West Bernardo Dr.
San Diego, Ca 92127
ph: 858.674.5400 fx: 858.674.5471
agency

San Elijo Student Center MiraCosta College

MiraCosta College - San Elijo Campus
3333 MANCHESTER AVE.
CARDIFF BY THE SEA, CA 92007
owner

tBP project number : 20484.10
file name: 0AS-00.dwg
drawn by: CG checked by:
date: 09/19/06

Rev:	date:	description:

drawing title: ENLARGED PLANS
building no:
drawing no: E4-1
drawing 109 of 109

SAN B400 & B900 BUILDING RENOVATIONS, Bid #MM-20-020 Exhibit 7 - SAN B900 RENOVATION PLANS 2007- REFERENCE DOCUMENTS ONLY