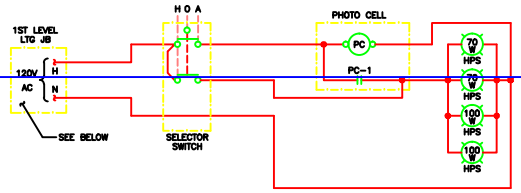
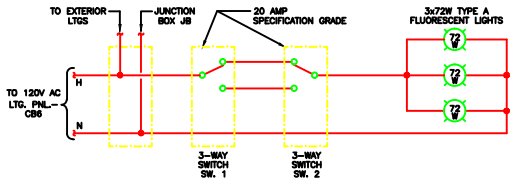


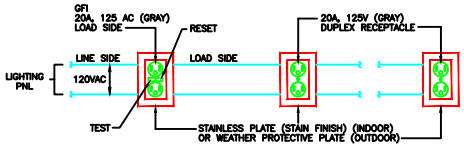
SECOND LEVEL EXTERIAL LIGHTING CONTROL

NOT TO SCALE



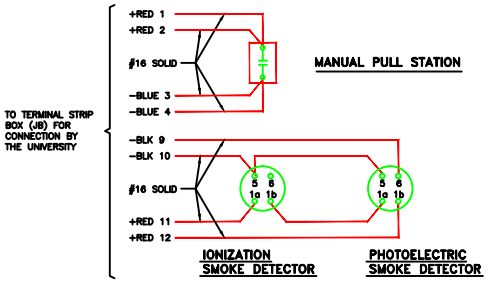
FIRST LEVEL SUBSTATION VAULT LIGHTING CONTROL

NOT TO SCALE



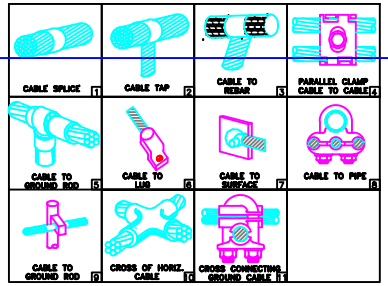
TYPICAL GFI AND RECEPTACLE CONNECTION DIAGRAM

NOT TO SCALE



FIRE ALARM DEVICE WIRING

NOT TO SCALE

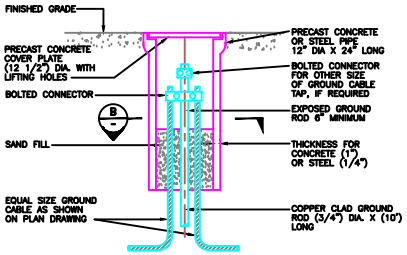


GROUNDING CONNECTION DETAIL

NOT TO SCALE

SECTION B

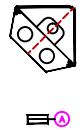
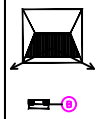
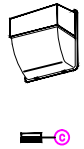
NOT TO SCALE

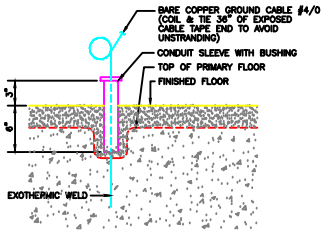


GROUNDING WELL SECTION A/E12

NOT TO SCALE

FIXTURE SCHEDULE

SYMBOLS	TYPE	LAMPS	DESCRIPTION
	A	2-F34/LW	CORNER MOUNTED DROP DISH FLUORESCENT, DAMP LOCATION. VANDAL - RESISTANT LIGHTING. LENS : INJECTION MOLDED CLEAR TEXTURED POLYCARBONATE. NOMINAL LENS THICKNESS .125(1/8"). DIFFUSER IS TOTALLY GASKETED AGAINST MOISTURE AND CONTAMINANTS. HOUSING : STAINLESS STEEL ELECTRICAL : THERMALLY PROTECTED CLASS P HIGH POWER FACTOR BALLAST. SOUND RATING A, CBM/ETL CERTIFIED. LITHONIA OR EQUAL.
	B	50W HIGH PRESSURE SODIUM	CAST IN CONCRETE. LENS : DIRECT LENS, SYMMETRIC DOWNWARD LIGHT DISTRIBUTION, WALL MOUNTED. HOUSING : CAST ALUMINUM. NOMINAL LENS THICKNESS .125(1/8"). KIM LIGHTING LLF-10 OR EQUAL
	C	70W HIGH PRESSURE SODIUM	HOUSING : RUGGED, LIGHTWEIGHT, CORROSION-RESISTANT DIE-CAST ALUMINUM HOUSING. ALL EXTERNAL HARDWARE IS STAINLESS STEEL. STANDARD FINISH IS DARK BRONZE TGIC POLYESTER POWDER. OPTICS : REFLECTOR IS SPECULAR ANODIZED ALUMINUM. REFRACTOR IS PRISMATIC BOROSILICATE GLASS. LENS IS SEALED AND GASKETED. MEDIUM BASE PORCELAIN LAMPHOLDER FOR 70-150W. BALLAST : HIGH POWER FACTOR, FACTORY-TESTED. ELECTRICAL COMPONENTS MOUNTED ON BACK HOUSING. INSTALLATION : ACCOMMODATES BACK AND TOP WIRING. FEED-THRU WIRING ACHIEVED BY USING A CONDULET TEE. MOUNTS ON ANY FLAT SURFACE. LITHONIA OR EQUAL.



GROUND CABLE STUB-UP THROUGH CONCRETE FLOOR DETAIL

NOT TO SCALE

LBNL DWG. # 4N00E405
PROJ NO: 129705

TITLE II - 100% SUBMITTAL

YEI ENGINEERS, INC.
3998 Hepburn Street, Hayward, CA 94545
(510) 887-4200

MARKS LETTERS	DRAWN BY	CHECK BY	APPR BY	DATE	REVISIONS
A	RZT	MCG	MCG	6/25/97	AS BUILT.

ORIGINAL LABSITE SUBSTATION PROJECT
SWITCHING STATION SW - A4
LIGHTING SCHEMATIC DIAGRAM & MISCELLANEOUS

DRAWN BY	SHO	10-30-92
CHECKED BY	KW	10-30-92
APPR. BY		
4/R		
SCALE	AS NOTED	SHEET NO.
DRAWING NO.	E14	

UNIVERSITY OF CALIFORNIA LAWRENCE BERKELEY LABORATORY
PLANT ENGINEERING

9025 10-30-92 (S-E14)

REVISED NUMBER	DRAWN BY	CHECKED BY	APPR'D BY	DATE	REMARKS

00 ORIGINAL LABSITE SUBSTAT
SWITCHING STATION SW-A4
LIGHTING SCHEMATIC DIAG &MISC

DRAWN BY	UT	02/09/93
CHECKED BY	WL	02/09/93
APPROVED BY		/ /
CAD FILE PATH	00002212	
SCALE	As Noted	
DRAWING NO.	4N00E405A	SHEET E14 1 OF 1
PROJECT NO.	129705	

UNIVERSITY OF CALIFORNIA LAWRENCE BERKELEY LABORATORY
FACILITIES DEPARTMENT