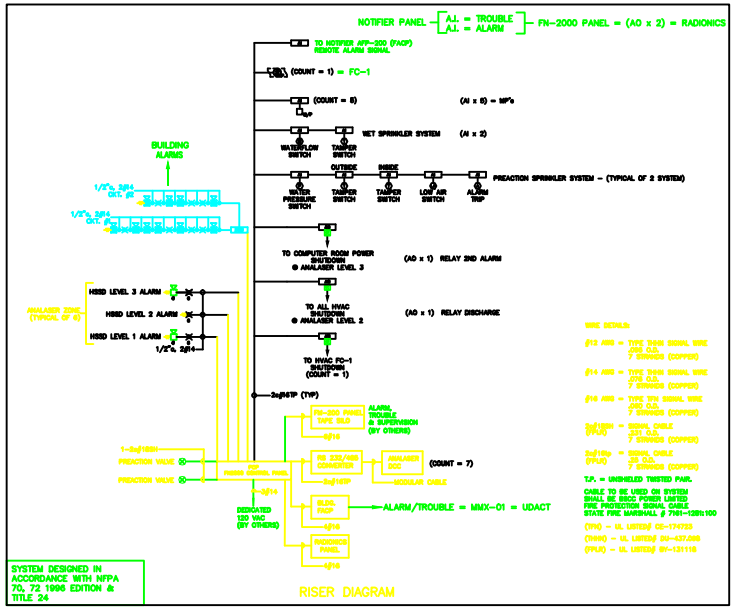

WIRE DETAILS:

#12 AWG = TYPE THHN SIGNAL WIRE 2000 O.D. 7 STRANDS (COPPER)

#14 AWG = TYPE THHN SIGNAL WIRE 1750 O.D. 7 STRANDS (COPPER)

#16 AWG = TYPE TFN SIGNAL WIRE 2000 O.D. 7 STRANDS (COPPER)

2x#18SH (FPLR) = SIGNAL CABLE 2331 O.D. 7 STRANDS (COPPER)

2x#18Cp (FPLR) = SIGNAL CABLE 2331 O.D. 7 STRANDS (COPPER)

T.P. = UNSHIELDED TWISTED PAIR.

CABLE TO BE USED ON SYSTEM SHALL BE NRGC POWER LIMITED FIRE PROTECTION SIGNAL CABLE STATE FIRE MARSHALL # 7441-1285:100

(TFN) - UL LISTED# QE-174723
(THHN) - UL LISTED# DU-437.088
(FPLR) - UL LISTED# BY-131118

LEGEND:

- FIRE ALARM CONTROL PANEL
- DIGITAL TRANSMITTER - CENTRAL MONITORING STATION
- REMOTE SIGNAL CONTROL PANEL
- FIRE ALARM TERMINAL CABINET
- PREACTION CONTROL PANEL
- DUCT DETECTOR
- MANUAL PULL STATION
- HSSD DISPLAY CONTROL UNIT
- HIGH SENSITIVITY SMOKE DETECTOR
- HSSD LEVEL 1 ALARM, BLUE STROBE
- HSSD LEVEL 2 ALARM, YELLOW STROBE
- HSSD LEVEL 3 ALARM, RED STROBE
- HSSD LEVEL 1 ALARM, TEMPORAL TONE
- HSSD LEVEL 3 ALARM, CONTINUOUS TONE
- HSSD SAMPLING PIPING
- HSSD SAMPLING POINT
- PIV SWITCH (BY OTHERS)
- PRESSURE SWITCH - PREACTION (BY OTHERS)
- LOW AIR SWITCH - PREACTION (BY OTHERS)
- TAMPER SWITCH (BY OTHERS)
- WATERFLOW SWITCH (BY OTHERS)
- ALARM TRIP - PREACTION (BY OTHERS)
- SPRINKLER RISER
- JUNCTION BOX
- WEATHERPROOF
- FAR-1 AUXILIARY RELAY

A.O.'s

1050 = 2ND ALARM HVAC/FC-1 SHUTDOWN
1051 = DISCHARGE ALARM/EPO SHUTDOWN

MONITOR TO I.B. FROM RADIONICS

1052 = NOTIFIER TROUBLE
1053 = NOTIFIER ALARM
1054 = COMPUTER ROOM M/P ALARM
1055 = COMPUTER ROOM LEVEL 3 ALARM
1056 = COMPUTER ROOM DUCT DETECTOR ALARM
1057 = MAIN WATERFLOW ALARM
1058 = F/A SPRINKLER W/ PRESSURE SWITCH ALARM

A.I.'s

1001 = FACP (NOTIFIER) TROUBLE
1002 = FACP (NOTIFIER) ALARM
1003 = MANUAL PULL NORTH EXIT (MAIN DOOR)
1004 = M/P NORTH CENTRAL EXIT DOOR
1005 = M/P SOUTH CENTRAL EXIT DOOR
1006 = M/P SOUTH EXIT DOOR
1007 = M/P SOUTH EAST EXIT DOOR
1008 = WET SPRINKLER SYSTEM WATERFLOW SWITCH
1009 = WET SPRINKLER SYSTEM TAMPER SWITCH
1010 = F/A SYSTEM 1 (U/F) WATER PRESSURE SWITCH
1011 = F/A SYSTEM 1 (U/F) TAMPER SWITCH OUTSIDE CABINET
1012 = F/A SYSTEM 1 (U/F) TAMPER SWITCH INSIDE CABINET
1013 = F/A SYSTEM 1 (U/F) LOW AIR SWITCH
1014 = F/A SYSTEM 1 (U/F) ALARM TRIP
1015 = F/A SYSTEM 2 (CEILING) WATER PRESSURE SWITCH
1016 = F/A SYSTEM 2 (CEILING) TAMPER SWITCH OUTSIDE CABINET
1017 = F/A SYSTEM 2 (CEILING) TAMPER SWITCH INSIDE CABINET
1018 = F/A SYSTEM 2 (CEILING) LOW AIR SWITCH
1019 = F/A SYSTEM 2 (CEILING) ALARM SWITCH
1020 = F/A DUCT DETECTOR (PHOTO)
1021 = KEY MAINTENANCE SWITCH

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2600 NIRA NOR AVENUE
LONG BEACH, CA. 90815
P 562 494 3007
F 562 495 6494

TYPE OF WORK
PREACTION DETECTION AND CONTROL SYSTEM

VENDOR
SIMCO ELECTRIC
1400 BERGMAN DRIVE
SANTA CLARA, CALIFORNIA 95050

NO.	DATE	DESCRIPTION	BY
1	4-24-2000	FOR REVIEW	RGA
2	4-28-2000	FOR SUBMITTAL	RGA
3	6-2-2000	REV. PER PLAN CHECK CORRECTIONS	RGA
4	6-23-2000	REV. PER C.O. #1 & C.O. #2	RGA
5	6-23-2000	REV. PER PLAN CHECK CORR. #2	RGA
6	10-10-00	AS BUILT	DG

AS BUILT BY

ELECTRICAL	SIGNATURE	DATE	BY
MECHANICAL	SIGNATURE	DATE	BY
CHIEF-ENT TECHNICIAN	SIGNATURE	DATE	BY

PROJECT NAME

LAWRENCE BERKELEY
NATIONAL LABORATORY
COMPUTING CENTER
415 20th STREET
OAKLAND, CALIFORNIA 94612

RISER DIAGRAM

RISER DIAGRAM

PROFESSIONAL STAMP

EXP. 01/31/2001

DRAWN BY	AL-SIMON
FILE NAME	AL-SIMONS.dwg
APPROVED BY	BY
CHECKED BY	HMB
DRAWN BY	RGA
SCALE	N/A

DRAWING NUMBER

6111P

SHEET NUMBER

FP 6.0

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