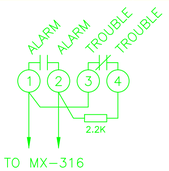
ACM–8R MODULES FIRST ROW TOP

NOTIFIER					MX–316			
MAPPED NAME	RELAY #	MAPPED NAME	ALARM/ TROUBLE	TERM TS1–	TERM #	ZONE #	ZONE NAME	XMITTER #
FIRE CALL BOXES BLDG 85	R1	A1P1	ALARM	1	2S	2	2H02	243
			ALARM	2	2R			
	R5	A1P1	TRBL	3	–			
			TRBL	4	–			
HEF FOAM RELEASE START/STOP SWITCH	R2	A1P2	ALARM	5	3S	3	2H03	243
			ALARM	6	3R			
	R6	A1P2	TRBL	7	–			
			TRBL	8	–			
HEAT DETECTOR FOR HEF #001 RM 108 (MW–5)	R3	A1P3	ALARM	9	4S	4	2H04	243
			ALARM	10	4R			
	R7	A1P3	TRBL	11	–			
			TRBL	12	–			
HEAT DETECTOR FOR HEF #002 RM 111 (RW–1)	R4	A1P4	ALARM	13	5S	5	2H05	243
			ALARM	14	5R			
	R8	A1P4	TRBL	15	–			
			TRBL	16	–			
HEAT DETECTOR FOR HEF #003 RM 115 (MW–4)	R1	A1P5	ALARM	17	6S	6	2H06	243
			ALARM	18	6R			
	R5	A1P5	TRBL	19	–			
			TRBL	20	–			
HEAT DETECTOR FOR HEF #004 RM 114 (MW–6)	R2	A1P6	ALARM	21	7S	7	2H07	243
			ALARM	22	7R			
	R6	A1P6	TRBL	23	–			
			TRBL	24	–			
HEAT DETECTOR FOR HEF #005 RM 116 (MW–3)	R3	A1P7	ALARM	25	8S	8	2H08	243
			ALARM	26	8R			
	R7	A1P7	TRBL	27	–			
			TRBL	28	–			
HEAT DETECTOR FOR HEF #006 RM 120 (MW–7)	R4	A1P8	ALARM	29	9SF	9	2H09	243
			ALARM	30	9RF			
	R8	A1P8	TRBL	31	–			
			TRBL	32	–			
HEAT DETECTOR FOR RM 119	R1	A1P9	ALARM	33	10SF	10	2H10	243
			ALARM	34	10RF			
	R5	A1P9	TRBL	35	–			
			TRBL	36	–			
HEAT DETECTOR FOR HEF #008 RM 121 (V STORAGE)	R2	A1P10	ALARM	37	11SF	11	2H11	243
			ALARM	38	11RF			
	R6	A1P10	TRBL	39	–			
			TRBL	40	–			
HEAT DETECTOR FOR HEF #009 RM 122 (MW–1)	R3	A1P11	ALARM	41	12SF	12	2H12	243
			ALARM	42	12RF			
	R7	A1P11	TRBL	43	–			
			TRBL	44	–			
HEAT DETECTOR FOR HEF #010 RM 212 (HW–5)	R4	A1P12	ALARM	45	13SF	13	2H13	243
			ALARM	46	13RF			
	R8	A1P12	TRBL	47	–			
			TRBL	48	–			
HEAT DETECTOR FOR HEF #011 RM 220 (HW–3)	R1	A1P13	ALARM	49	14SF	14	2H14	243
			ALARM	50	14RF			
	R5	A1P13	TRBL	51	–			
			TRBL	52	–			
HEAT DETECTOR FOR HEF #012 RM 219 (HW–4)	R2	A1P14	ALARM	53	15SF	15	2H15	243
			ALARM	54	15RF			
	R6	A1P14	TRBL	55	–			
			TRBL	56	–			
HEAT DETECTOR FOR HEF #013 RM 217/218 (HW–7)	R3	A1P15	ALARM	57	16SF	16	2H16	243
			ALARM	58	16RF			
	R7	A1P15	TRBL	59	–			
			TRBL	60	–			
HEAT DETECTOR FOR HEF #014 RM 222 (HW–1)	R4	A1P16	ALARM	61	2S	2	2H18	244
			ALARM	62	2R			
	R8	A1P16	TRBL	63	–			
			TRBL	64	–			

TRX 243 TROUBLE = 2H01 ZONE 1
TRX 244 TROUBLE = 2H17 ZONE 1
TRX 245 TROUBLE = 2H33 ZONE 1
TRX 246 TROUBLE = 2H49 ZONE 1
2H60 TO 2H64 RESERVED FOR 85B

ACM–8R MODULES FIRST ROW BELOW

NOTIFIER					MX–316			
MAPPED NAME	RELAY #	MAPPED NAME	ALARM/ TROUBLE	TERM TS2–	TERM #	ZONE #	ZONE NAME	XMITTER #
HEAT DETECTOR FOR HEF #015 RM 223 (HW–2)	R1	A1P17	ALARM	1	3S	3	2H19	244
			ALARM	2	3R			
	R5	A1P17	TRBL	3	–			
			TRBL	4	–			
HEAT DETECTOR FOR HEF #016 RM 224 (HW–6)	R2	A1P18	ALARM	5	4S	4	2H20	244
			ALARM	6	4R			
	R6	A1P18	TRBL	7	–			
			TRBL	8	–			
SMOKE DETECTOR BLDG 85 1ST, 2ND & PENTHOUSE	R3	A1P19	ALARM	9	5S	5	2H21	244
			ALARM	10	5R			
	R7	A1P19	TRBL	11	–			
			TRBL	12	–			
DUCT DETECTOR BLDG 85 1ST & 2ND FLR	R4	A1P20	ALARM	13	6S	6	2H22	244
			ALARM	14	6R			
	R8	A1P20	TRBL	15	–			
			TRBL	16	–			
WATER FLOW BLDG 85 1ST, 2ND & PENTHOUSE	R1	A1P21	ALARM	17	7S	7	2H23	244
			ALARM	18	7R			
	R5	A1P21	TRBL	19	–			
			TRBL	20	–			
VALVE SUPERVISION BLDG 85	R2	A1P22	ALARM	21	8S	8	2H24	244
			ALARM	22	8R			
	R6	A1P22	TRBL	23	–			
			TRBL	24	–			
SPARE – –	R3	A1P23	ALARM	25	9SF	9	2H25	244
			ALARM	26	9RF			
	R7	A1P23	TRBL	27	–			
			TRBL	28	–			
HEAT DETECTOR 85A (HW–14) FLAMMABLE LIQUID STORAGE SHED AFFF / DELUGE	R4	A1P24	ALARM	29	10SF	10	2H26	244
			ALARM	30	10RF			
	R8	A1P24	TRBL	31	–			
			TRBL	32	–			
GLOVE BOX HEAT DETECTOR RM 114	R1	A1P25	ALARM	33	11SF	11	2H27	244
			ALARM	34	11RF			
	R5	A1P25	TRBL	35	–			
			TRBL	36	–			
FIRE CALL BOX, OUT BLDG UPPER YARD 85H(HW9), 85G(HW10), 85F(HW11), 85E(HW12), 85D(HW13)	R2	A1P26	ALARM	37	12SF	12	2H28	244
			ALARM	38	12RF			
	R6	A1P26	TRBL	39	–			
			TRBL	40	–			
FIRE CALL BOX, OUT BLDG LOWER YARD 85K(MW8), 85L(S1)	R3	A1P27	ALARM	41	13SF	13	2H29	244
			ALARM	42	13RF			
	R7	A1P27	TRBL	43	–			
			TRBL	44	–			
LOW FOAM CONCENTRATE SUPERVISION	R4	A1P28	ALARM	45	14SF	14	2H30	244
			ALARM	46	14RF			
	R8	A1P28	TRBL	47	–			
			TRBL	48	–			
MEDIUM FOAM CONCENTRATE SUPERVISION	R1	A1P29	ALARM	49	15SF	15	2H31	244
			ALARM	50	15RF			
	R5	A1P29	TRBL	51	–			
			TRBL	52	–			
HIGH FOAM CONCENTRATE SUPERVISION	R2	A1P30	ALARM	53	16SF	16	2H32	244
			ALARM	54	16RF			
	R6	A1P30	TRBL	55	–			
			TRBL	56	–			
COMMON NOTIFIER PANEL TROUBLE	R3	A1P31	ALARM	57	2S	2	2H34	245
			ALARM	58	2R			
	R7	A1P31	TRBL	59	–			
			TRBL	60	–			
FIRE SUPPRESSION SYSTEM 85K(MW8) OUT BLDG WFS, HEAT DETECTOR,	R4	A1P32	ALARM	61	3S	3	2H35	245
			ALARM	62	3R			
	R8	A1P32	TRBL	63	–			
			TRBL	64	–			



TYPICAL NOTIFIER WIRING

MX–316 LAYOUT

ACM–8R MODULES SECOND ROW TOP

NOTIFIER					MX–316			
MAPPED NAME	RELAY #	MAPPED NAME	ALARM/ TROUBLE	TERM TS3–	TERM #	ZONE #	ZONE NAME	XMITTER #
FIRE SUPPRESSION SYSTEM 85L(S1) FUTURE LOWER YARD	R1	A1P33	ALARM	1	4S	4	2H36	245
			ALARM	2	4R			
	R5	A1P33	TRBL	3	–			
			TRBL	4	–			
FIRE SUPPRESSION SYSTEM 85J(HW8) OUT BLDG CO2 RELEASE, UPPER YARD	R2	A1P34	ALARM	5	5S	5	2H37	245
			ALARM	6	5R			
	R6	A1P34	TRBL	7	–			
			TRBL	8	–			
FIRE SUPPRESSION SYSTEM 85H(HW9) OUT BLDG WFS, HEAT DETECTOR, UPPER YARD	R3	A1P35	ALARM	9	6S	6	2H38	245
			ALARM	10	6R			
	R7	A1P35	TRBL	11	–			
			TRBL	12	–			
FIRE SUPPRESSION SYSTEM 85G(HW10) OUT BLDG WFS, HEAT DETECTOR, UPPER YARD	R4	A1P36	ALARM	13	7S	7	2H39	245
			ALARM	14	7R			
	R8	A1P36	TRBL	15	–			
			TRBL	16	–			
FIRE SUPPRESSION SYSTEM 85F(HW11) OUT BLDG WFS, HEAT DETECTOR, UPPER YARD	R1	A1P37	ALARM	17	8S	8	2H40	245
			ALARM	18	8R			
	R5	A1P37	TRBL	19	–			
			TRBL	20	–			
FIRE SUPPRESSION SYSTEM 85E(HW12) OUT BLDG WFS, UPPER YARD	R2	A1P38	ALARM	21	9SF	9	2H41	245
			ALARM	22	9RF			
	R6	A1P38	TRBL	23	–			
			TRBL	24	–			
FIRE SUPPRESSION SYSTEM 85D(HW13) OUT BLDG WFS, UPPER YARD	R3	A1P39	ALARM	25	10SF	10	2H42	245
			ALARM	26	10RF			
	R7	A1P39	TRBL	27	–			
			TRBL	28	–			
ISO VALVE FOR DELUGE HW 14 (85A)	R4	A1P40	ALARM	29	11SF	11	2H43	245
			ALARM	30	11RF			
	R8	A1P40	TRBL	31	–			
			TRBL	32	–			
ANSUL DRY CHEMICAL RM 119	R1	A1P41	ALARM	33	12SF	12	2H44	245
			ALARM	34	12RF			
	R5	A1P41	TRBL	35	–			
			TRBL	36	–			
SUPERVISORY SIGNAL OUT BLDGS, VALVE SUPV, POWER SUPV, TAMPER SW. UPPER YARD	R2	A1P42	ALARM	37	13SF	13	2H45	245
			ALARM	38	13RF			
	R6	A1P42	TRBL	39	–			
			TRBL	40	–			
SUPERVISORY SIGNAL OUT BLDG, VALVE SUPV, POWER SUPV, TAMPER SW. LOWER YARD	R3	A1P43	ALARM	41	14SF	14	2H46	245
			ALARM	42	14RF			
	R7	A1P43	TRBL	43	–			
			TRBL	44	–			
WATER FLOW CLEAN DRUM STORAGE 85M, N, P UPPER YARD	R4	A1P44	ALARM	45	15SF	15	2H47	245
			ALARM	46	15RF			
	R8	A1P44	TRBL	47	–			
			TRBL	48	–			
SPARE	R1	A1P45	ALARM	49	16SF	16	2H48	245
			ALARM	50	16RF			
	R5	A1P45	TRBL	51	–			
			TRBL	52	–			
SPARE	R2	A1P46	ALARM	53	2S	2	2H50	246
			ALARM	54	2R			
	R6	A1P46	TRBL	55	–			
			TRBL	56	–			
SPARE	R3	A1P47	ALARM	57	3S	3	2H51	246
			ALARM	58	3R			
	R7	A1P47	TRBL	59	–			
			TRBL	60	–			
SPARE	R4	A1P48	ALARM	61	4S	4	2H52	246
			ALARM	62	4R			
	R8	A1P48	TRBL	63	–			
			TRBL	64	–			

ACM–8R MODULES SECOND ROW BOTTOM

NOTIFIER					MX–316			
MAPPED NAME	RELAY #	MAPPED NAME	ALARM/ TROUBLE	TERM TS4–	TERM #	ZONE #	ZONE NAME	XMITTER #
SPARE	R1	A1P49	ALARM	1	5S	5	2H53	246
			ALARM	2	5R			
	R5	A1P49	TRBL	3	–			
			TRBL	4	–			
HEAT DETECTOR FOR HEF #017 RM 106 (DRY/CLEAN)	R2	A1P50	ALARM	5	6S	6	2H54	246
			ALARM	6	6R			
	R6	A1P50	TRBL	7	–			
			TRBL	8	–			
SPARE	R3	A1P51	ALARM	9	7S	7	2H55	246
			ALARM	10	7R			
	R7	A1P51	TRBL	11	–			
			TRBL	12	–			
SPARE	R4	A1P52	ALARM	13	8S	8	2H56	246
			ALARM	14	8R			
	R8	A1P52	TRBL	15	–			
			TRBL	16	–			
SPARE	R1	A1P53	ALARM	17	9SF	9	2H57	246
			ALARM	18	9RF			
	R5	A1P53	TRBL	19	–			
			TRBL	20	–			
SPARE	R2	A1P54	ALARM	21	10SF	10	2H58	246
			ALARM	22	10RF			
	R6	A1P54	TRBL	23	–			
			TRBL	24	–			
SPARE	R3	A1P55	ALARM	25	11SF	11	2H59	246
			ALARM	26	11RF			
	R7	A1P55	TRBL	27	–			
			TRBL	28	–			
SPARE	R4	A1P56	ALARM	29				
			ALARM	30				
	R8	A1P56	TRBL	31				
			TRBL	32				
85B FIRE CALL BOXES (2) 85B SMOKE DETECTORS (1)	R1	A1P57	ALARM	33		13	2H61	246
			ALARM	34				
	R5	A1P57	TRBL	35				
			TRBL	36				
85B WATER FLOW	R2	A1P58	ALARM	37		14	2H62	246
			ALARM	38				
	R6	A1P58	TRBL	39				
			TRBL	40				
85B ISOLATION VALVE	R3	A1P59	ALARM	41		15	2H63	246
			ALARM	42				
	R7	A1P59	TRBL	43				
			TRBL	44				
85B SYSTEM 3 TROUBLE	R4	A1P60	ALARM	45		16	2H64	246
			ALARM	46				
	R8	A1P60	TRBL	47				
			TRBL	48				
B85 SYSTEM 3 TROUBLE	NA	NA	ALARM	49	12SF	12	2H60	246
			ALARM	50	12RF			
	NA	NA	TRBL	51				
			TRBL	52				
SPARE	R2	A1P62	ALARM	53				
			ALARM	54				
	R6	A1P62	TRBL	55				
			TRBL	56				
SPARE	R3	A1P63	ALARM	57				
			ALARM	58				
	R7	A1P63	TRBL	59				
			TRBL	60				
SPARE	R4	A1P64	ALARM	61				
			ALARM	62				
	R8	A1P64	TRBL	63				
			TRBL	64				

PROFESSIONAL SEAL (IF REVISION, APPLIES ONLY TO REVISED WORK)	ISSUE (PROGRESS, ESTIMATE, BID, CONSTRUCTION, CONFORMED, REVISION, RECORD)	REVISION NUMBER	DRAWN BY	CHECKED BY	APPR'D BY	DATE	REMARKS
	ASBUILT REVISION G 10/16/2003	G	AD	MCG	MCG	10/16/03	AS–BUILT, PHASE II FA UPGRADE
		F	HYT	HYT	–	03/20/02	REPLACEMENT FIRE ALARM PROJECT
		E	ROB	MCG	MCG	04/28/00	AS–BUILT
		D	ROB	ROB	MCG	2/24/99	ADD 85M, N, P WF SWITCH
		C	ROB	ROB	MCG	06/06/97	AS–BUILT OUT BUILDINGS, 3RD FLR
		B	ROB	ROB	MCG	04/11/97	ADD OUT BUILDINGS
		A	ROB	ROB	MCG	03/10/97	AS–BUILT

85 FIRE ALARM
HAZARDOUS WASTE FACILITY
NOTIFIER TO MX–316 MATRIX

UNIVERSITY OF CALIFORNIA
LAWRENCE BERKELEY NATIONAL LABORATORY
FACILITIES DIVISION

DRAWN BY	ROB	DATE	3/11/1997
CHECKED BY	ROB		3/11/1997
APPROVED BY	MCG		3/11/1997
CAD FILE PATH	00016648		
SCALE	As Noted		
DRAWING NO.	4B85E005G	SHEET	E4
PROJECT NO.	FA8040		1 OF 1