ELECTRICAL EQUIPMENT LIST

SYMBOL	NAMEPLATE	DESCRIPTION	MANUFACTURER & CATALOG NO.
1		HONEYWELL FS20A FIRE AND SECURITY DATA GATHERING PANEL MULTIZONE, SOLID STATE, LOW VOLTAGE SYSTEM. ROUGH-IN ENCLOSURE COVER AND ASSEMBLY TO BE A 6 MODULE SIZE. THE SUBPANEL TO BE COMPOSED OF ITEMS 2, 3, 4, 5 IN ADDITION TO SPACE FOR FUTURE ITEMS 3 & 4. PROVIDE CABINET WITH WINDOWED DOOR.	(1)
2		HONEYWELL STANDBY BATTERY MODULE E124 Vdc BATERY AT 10 AMP-HRS OR LARGER CAPACITY AS REQUIRED TO MEET NFPA.	(1)
3		HONEYWELL FIRE & SECURITY MODULE N-2 WITH ACCESSORY RELAY BOARD W/ANNUNCIATOR LIGHTS.	(1)
4		HONEYWELL SIGNALING MODULE B1 W/ANNUNCIATOR LIGHTS.	(1)
5		HONEYWELL CONTROL LOGIC MODULE L3, 4 WIRE TONE TRANSMISSION.	(1)
6		HONEYWELL PHOTO ELECTRIC SMOKE DETECTOR, 24 Vdc 1024AV OR APPROVED EQUAL.	(2)
7		FENWAL AUTOMATIC FIRE DETECTORS RATE COMPENSATED HEAT DETECTORS 140° F N.O. CONTACT OR APPROVED EQUAL AUTO RESETTING NO. 27021-0.	(2)
8		HONEYWELL MANUAL FIRE ALARM STATIONS S464A SPST, N.O. MECHANICAL CONTACTS WITH #14504581 DUAL ACTION ACCESSORY OR APPROVED EQUAL.	HONEYWELL S464A1128
9		HONEYWELL FIRE AND SECURITY ALARM SIGNALS SC806C 24 Vdc VIBRATING 10" BELL ACTION OR APPROVED EQUAL. (6" IN SMALL ROOMS). 18-31 Vdc, CURRENT DRAW 63mA	HONEYWELL SC806C (2)
10	NP-10	SONALERT, 4-28 VDC, CONTINUOUS TONE, 2900 HZ.	(1)
11	SEE NAMEPLATE SCHEDULE	LAMINATED PLASTIC BLACK BACKGROUND WITH 3/16" WHITE LETTERING NAMEPLATE TO BE ATTACHED TO PANEL.	(1)
12	NP-1 TO NP-4 SEE ITEM 11	TOGGLE-SWITCH, BELL TEST/SILENCE, SN-856347 MS-25307-212 REVD. (1 REQ'D FOR EACH BELL ZONE).	SEE SWITCH DEVELOPMENT #1 (1)
13	NP-14 SEE ITEM 11	TOGGLE-SWITCH, POWER, SN-856344 DPDT, MS-25307-232 REVD 28 Vdc AT 25 AMP RESISTIVE LOAD.	SEE SWITCH DEVELOPMENT #2 (1)
14		SPRINKLER SWITCH-TO BE PROVIDED BY SPRINKLER CONTRACTOR N.O. CONTACT CLOSES ON WATER FLOW.	
15		SWITCH TAMPER. CONTACT CLOSES WHEN DOOR IS CLOSED ON DGP PANEL 1. 1450-3751-001	(1)
16	SEE ITEM 11	SWITCH, MOMENTARY SPST, RESET SANDIA 357575, MS 25306-282.	(1)
17	NP-13	SWITCH, DPDT, AUX. RELAY DISCONNECT.	(1)
18		1 PAIR #14 SHIELDED BELL CABLE	BELDEN #9581 (3)
19		TELEPHONE TRANSMISSION CABLE, 2 TWISTED #18 YELLOW/BROWN (AK3702B) AND 2 TWISTED #18 YELLOW/PURPLE (AK3702P)	HONEYWELL AK3702B HONEYWELL AK3702P (4)
20		HONEYWELL DELTANET FS90 FIRE AND SECURITY SYSTEM CONTAINING THE ONE OR MORE OF THE FOLLOWING ITEMS: 21, 22, 23, 24, 26, 27, 28, 29, 31, 32, 55, 56, 57, 58, 59, 60	
21		FS90 MOTHERBOARD (BACKBOARD)	HONEYWELL 14505102-004
22		CA CONTROL BOARD	HONEYWELL 14505104-005
23		AB INITIATING BOARD	HONEYWELL 14505108-001
24		BF INDICATING BOARD	HONEYWELL 14505110-002
25		DC ACCESSORY RELAY BOARD, 4 SPST N.O. OR N.C. RELAYS	HONEYWELL 14505112-002
26		LD COMMUNICATION BOARD	HONEYWELL 14505128-001
27		POWER SUPPLY	HONEYWELL 14505148-001
28		POWER SUPPLY CABLE (USED WITH EACH BATTERY SUPERVISION MODULE)	HONEYWELL 14505145-002
29		INTERCONNECT RIBBON CABLE - INSIDE (RIBBON CABLE BETWEEN MOTHERBOARDS)	HONEYWELL 14505154-001
30		INTERCONNECT RIBBON CABLE - OUTSIDE (RIBBON CABLE BETWEEN MOTHERBOARDS IN DIFFERENT PANELS)	HONEYWELL 14505154-002
31		BATTERY HARNESS FOR 26 AH BATTERIES	HONEYWELL 14506059-001
32		BATTERY SUPERVISION MODULE	HONEYWELL 14506408-002
33		FS90 BACKBOX (2-UP)	HONEYWELL 14505151-005
34		FS90 ENCLOSURE DOOR	HONEYWELL 14505152-002
35		BATTERIES, 12 Vdc, 26 AMP-HOUR (2 EACH)	POWER-SONIC PS-12260
36		END-OF-LINE RESISTOR, 1.91k OHM	HONEYWELL 14501600-001
37		WHEELOCK POWERPATH SERIES PS-12/24-8 POWER SUPPLY/CHARGER WITH 2 EACH 12V, 8 AH SEALED LEAD ACID BATTERIES	WHEELOCK PS-12/24-8 HONEYWELL 14506056-001
38		STATIC MODULE (2 REQUIRED PER FS90 "LD" BOARD)	HONEYWELL 14502188-001
39		PHOTOELECTRIC SMOKE DETECTOR W/O HEAT DETECTOR WITH BASE; VOLTAGE RATING 15-28 Vdc; CURRENT DRAW; 5mA ALARM CURRENT WITH LEDs LATCHED ON, 0.2 mA MAX. SUPERVISING CURRENT; MAXIMUM COVERAGE: 900 SQ. FT. (SEE 40 BELOW)	HONEYWELL TC804C 1001 HONEYWELL 14506587-001
40		4-WIRE BASE WITH RELAY (FOR USE WITH SMOKE DETECTOR 39 WHEN USED FOR RELAY APPLICATIONS)	HONEYWELL 14506587-002
41		HEAT DETECTOR, COMBINATION RATE-OF-RISE AND FIXED TEMPERATURE (135°F); DPST, 5-28 Vdc, 1A	HONEYWELL T4057A 1023
42		HEAT DETECTOR, COMBINATION RATE-OF-RISE AND FIXED TEMPERATURE (200°F; DPST, 5-28 Vdc, 1A	HONEYWELL T4057A 1031
43		4-WIRE LOW-PROFILE DUCT SMOKE DETECTOR	HONEYWELL 32002812-002
44		REMOTE TEST STATION, TEST & RESET SWITCH WITH ALARM LEDs FOR DUCT SMOKE DETECTORS (ITEM 43)	HONEYWELL RTS451 KEY
45		ELECTRONIC MULTITONE HORN, 20-31 Vdc, CURRENT DRAW; 14 mA @ 24 Vdc (HI SETTING)	HONEYWELL SC716A 1003
46		ELECTRONIC MULTITONE HORN/STROBE, 20-31 Vdc, CURRENT DRAW; 115 mA @ 20 Vdc (STROBE), 14 mA @ 24 Vdc (HORN @ HI SETTING)	HONEYWELL SC716B 1027
47		ELECTRONIC STROBE, 15/75 CD, 20-31 Vdc, CURRENT DRAW; 115 mA @ 20 Vdc	HONEYWELL SC813B 1037
48		ELECTRONIC STROBE, 15 CD, 20-31 Vdc, CURRENT DRAW; 80 mA	HONEYWELL SC813B 1003
49		FLOOR MOUNTED DOOR HOLDERS S4003B 1001 - SINGLE DOOR, 24VDC S4003B 1019 - SINGLE DOOR, 120VAC S4003B 1027 - DOUBLE DOOR, 24VDC S4003B 1035 - DOUBLE DOOR, 120VAC	HONEYWELL S4003B SERIES
50		FLUSH MOUNTED DOOR HOLDERS S4003A1029 (24VDC), S4003A1037 (120VAC)	HONEYWELL S4003A SERIES
51		REMOTE (LED) ANNUNCIATOR FOR DUCT SMOKE DETECTORS (ITEM 43)	HONEYWELL SSDRA400Z
52		24VDC, 3A OUTPUT POWER SUPPLY, LINE VOLTAGE 115VAC, LOW HEIGHT CHASSIS	MAMAC SYSTEMS PS-200-1-B-1-L
53		FS90 BACKBOX (1-UP)	HONEYWELL 14505151-007
54		FS90 ENCLOSURE DOOR (1-UP)	HONEYWELL 14505152-001
55		AA INITIATING BOARD	HONEYWELL 14505106-001
56		CARD RETAINER (1 PER MOTHERBOARD)	HONEYWELL 14505146-001
57		LEGEND CARDS (6 EA. AA, AB)	HONEYWELL 14505149-001
58		LEGEND CARDS (2 EA. AC, BF, DA/DC, BG, DB, AD)	HONEYWELL 14505149-002
59		LEGEND CARDS (2 EA. CA, VA, L PLUS 6 BLANKS)	HONEYWELL 14505149-003
60		RESET RELAY	HONEYWELL R8466A1007

GENERAL NOTES

KEYED NOTES

1. FS20 DGP COMPONENTS ARE NO LONGER MANUFACTURED. THIS EQUIPMENT ITEM IS LISTED TO REFERENCE EXISTING SYSTEMS.
2. THIS EQUIPMENT IS NO LONGER USED FOR NEW INSTALLATIONS. EQUIPMENT ITEM IS LISTED TO REFERENCE EXISTING INSTALLATIONS.
3. 1 PR. #14 SHIELDED CABLE IS NO LONGER REQUIRED FOR USE AS BELL CIRCUIT WIRING WHEN SHARING RACEWAY WITH INITIATION CIRCUITS.
4. THIS CABLE IS NO LONGER REQUIRED FOR THE TELEPHONE COMMUNICATION CIRCUIT. USE 4 PR. #22 TELEPHONE CABLE FOR INSTALLATION FROM THE DGP TO THE TELEPHONE IDR ROOM.

OBSOLETE - REFERENCE ONLY FOR EXISTING HONEYWELL FIRE ALARM SYSTEMS

NOTE:
ADDITION OF NEW EQUIPMENT TO THIS DRAWING REQUIRES PERMISSION OF FIRE ALARM SYSTEM ENGINEER.

OBSOLETE - REFERENCE ONLY FOR EXISTING HONEYWELL SYSTEMS

DO NOT ISSUE FOR CONSTRUCTION.

REV	DATE	DESCRIPTION	DWN	CKD	APP
	6/15/02	FA MODS	EG	PS	
	6-15-01	UDS MODS	EG	FL	
A	8/2000	UPDATE	YMA	PRS	

P.O.
PROJECT NO.

U.S. DEPARTMENT OF ENERGY
KIRTLAND AREA OFFICE — ALBUQUERQUE, NEW MEXICO

SANDIA NATIONAL LABORATORIES

HONEYWELL FIRE ALARM EQUIPMENT SCHEDULE

FIRE ALARM SYSTEM

FIRE PROTECTION — STANDARD

P.O.	F06772
PROJECT NO.	
DRAWN BY	TLM
CHECKED BY	
SNL ENGR	
DATE	1/24/2000
SIZE	D+
DRAWING NO	FA6001STD
SEQ.	

MICROSTATION FILE
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