SE5.AB

SINGLE DOOR, CARD IN, FREE EXIT, ELECTRIC PANIC WITH REX, 24VDC FAIL SECURE, PIEZO, SIREN

DOOR HARDWARE

#	QTY	Description	MANUFACTURE	MODEL #	CODE	NOTES
1	1	RIM PANIC WITH REX	VON DUPRIN	RX-LD88L	D	1, 2, 4, 8
2	1	ELECTRIC TRIM, 24VDC, FAIL SECURE	COMMAND ACCESS	V98EU-24-17-FINISH	D	1, 2, 4, 8
3	1	ELECTRIC HINGE, 4 WIRE, 630, CENTER TO CENTER TRANSFER, UL-F RATED	COMMAND ACCESS		D	1, 2, 4, 8

SECURITY EQUIPMENT

#	QTY	Description	MANUFACTURE	MODEL #	CODE	NOTES
1	AR	SURFACE MOUNT ACCESS CONTROL / SECURITY ENCLOSURE & PANEL	GAYLORD	10104HCTWT	A, E	8, 9
2	1	FLUSH MOUNT ACCESS CONTROL / SECURITY ENCLOSURE & PANEL	GAYLORD	10104TCFWT	A, E	8, 9
3	1	ACCESS CONTROL INTERFACE	UTC SECURITY	430160001	A, I	
4	1	MULTI TECHNOLOGY MIDRANGE READER	SCHLAGE	SXF-2100PIV	A, I	3
5		MULTI TECHNOLOGY MULLION READER	SCHLAGE	SXF-1100PIV	A, I	3
6		RELAY MODULE, DOUBLE POLE, DOUBLE THROW	ALTRONIX	RB8T	A, I	9
7		RELAY MODULE, SINGLE POLE, DOUBLE THROW	ALTRONIX	RB30	A, I	9
8		RELAY MODULE, DOUBLE POLE, DOUBLE THROW	ALTRONIX	RB8NTTL	A, I	9
9		RELAY MODULE SNAP TRAC	ALTRONIX	ST1	A, I	
10	1	1" PUSH TO FIT CONTACT	GRI SECURITY	184-12WGG	A, I	5, 9
11	AR	SURFACE MOUNT CONTACT	GRI SECURITY	4400A	A, I	5, 9
12		ROLL-UP CONTACT	GRI SECURITY	4632L	A, I	9
13	AR	RESISTOR PACK	GRI SECURITY	6844T	A, I	9
14	AR	TAMPER SWITCH	GRI SECURITY	TSW-01	A, I	9
15	1	PIEZO	ATW	PB-005	A, I	10
16	1	SIREN	HONEYWELL	748LC	A, I	
17	AR	4-40 X MALE / FEMALE X 1/2" X 1/4" HEX STAINLESS STEEL STANDOFF	OLANDER	4C6DHM4S	A, I	
18	AR	4-40 X 1/4" BINDER HEAD SLOTTED SCREW STAINLESS STEEL	OLANDER	4C26SBM S	A, I	
19	AR	4-40 KEPT NUT STAINLESS STEEL	OLANDER	4CKNT S	A, I	
20	AR	8-32 X 1/2" STAINLESS STEEL	OLANDER	8C60SBM S	A, I	
21	AR	8-32 X 1/4" TORX PIN TAMPER	OLANDER	8C25BHS/T	A, I	3
22	AR	8-32 X 3/8" TORX PIN TAMPER	OLANDER	8C37BHX S/T	A, I	3
23	AR	10-32 X 3/8" TORX PIN TAMPER	OLANDER	10F37BHX S/T	A, I	3
24	AR	10-32 X 1/2" TORX PIN TAMPER	OLANDER	10F60BHX S/T	A, I	3
25	AR	10-32 X 3/4" TORX PIN TAMPER	OLANDER	10F75BHX S/T	A, I	3
26	AR	1/4-20 X 1/2" TORX PIN TAMPER	OLANDER	26C60BHX S/T	A, I	3
27	AR	8-32 X 1 1/2" SCREW PHILIPS STAINLESS	OLANDER	6C150PPMS	A, I	
28	AR	8-32 X 2" SCREW PHILIPS STAINLESS	OLANDER	6C200PPMS	A, I	
29	AR	8 X 1 1/2" SHEET METAL SCREW PHILIPS STAINLESS	OLANDER	8N150PP@S	A, I	
30	AR	8 X 1 1/2" SHEET METAL SCREW PHILIPS STAINLESS	OLANDER	8N150PP@S	A, I	
31	AR	8 X 2" SHEET METAL SCREW PHILIPS STAINLESS	OLANDER	8N200PP@S	A, I	
32	AR	CONCRETE ANCHOR & SCREW KIT FOR ROLL-UP CONTACTS ONLY	HILTI	00338438	B	
33	AR	3/16" X 1 1/4" CONCRETE ANCHOR/ SCREW KIT FOR WALL MOUNTING	HILTI	00477616	B	
34	AR	1/4" X 1 1/4" CONCRETE ANCHOR/ SCREW KIT FOR WALL MOUNTING	HILTI	00477607	B	
35	1	TERMINAL STRIP 13 POINT	MULTICOMP	MC34322	A	
36	1	INLINE FUSE ILLUMINATING HOLDER 16 AWG LEADS	COOPER BUSSMANN	ATC-FHID	A	
37	2	ATC FUSE 1 AMP	COOPER BUSSMANN	ATC-1	A	
38	38	22-16 (RED) SPADE LUG #8	AMP	8-328881-1	A	
39	AR	16-14 (BLUE) SPADE LUG #8	AMP	8-328881-1	A	
40	AR	24-20 (NATURAL) BUTT SPLICE	AMP	323976	A	
41	AR	22-16 (RED) BUTT SPLICE	AMP	320669	A	
42	AR	16-14 (BLUE) BUTT SPLICE	AMP	320682	A	
43	AR	16-14 & 22-16 (BLUE & RED) BUTT SPLICE	AMP	327683	A	
44	AR	HOOK UP WIRE UL1007 / UL 1569 300 VOLT RED	OMNI	LS13ST-03	A	
45	AR	HOOK UP WIRE UL1007 / UL 1569 300 VOLT BLACK	OMNI	LS13ST-01	A	
46	AR	HOOK UP WIRE UL1007 / UL 1569 300 VOLT WHITE	OMNI	LS13ST-02	A	
47	AR	HOOK UP WIRE UL1007 / UL 1569 300 VOLT GREEN	OMNI	LS13ST-04	A	
48	AR	HOOK UP WIRE UL1007 / UL 1569 300 VOLT YELLOW	OMNI	LS13ST-05	A	
49	AR	HOOK UP WIRE UL1007 / UL 1569 300 VOLT BLUE	OMNI	LS13ST-06	A	
50	AR	HOOK UP WIRE UL1007 / UL 1569 300 VOLT ORANGE	OMNI	LS13ST-07	A	
51	AR	HOOK UP WIRE UL1007 / UL 1569 300 VOLT BROWN	OMNI	LS13ST-10	A	
52	AR	HOOK UP WIRE UL1007 / UL 1569 300 VOLT VIOLET	OMNI	LS13ST-09	A	
53	AR	HOOK UP WIRE UL1007 / UL 1569 300 VOLT SLATE	OMNI	LS13ST-08	A	
54	AR	DIODE, ROHS COMPLIANT, UL FLAMABILITY CLASSIFICATION RATING 94V-0		1N4004	C	
55	AR	SURFACE MOUNT 4-11 JUNCTION BOX	UL LISTED	-	C	3
56	AR	SURFACE MOUNT 4-SQUARE JUNCTION BOX	UL LISTED	-	C	3
57	AR	TWO SCREW CONNECTOR 1/2" STEEL-ELECTROZINC PLATED	Thomas & Betts	3302-TB	C	3
58	AR	CABLE CLAMP UV BLACK NYLON	IDEAL	IT250CCL-00	A	

SECURITY EQUIPMENT NOTES

1. IF USING OTHER MANUFACTURE FOR LOCKING HARDWARE, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.
2. HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.
3. SECURITY CONTRACTOR TO SUPPLY AND INSTALL TAMPER SCREWS ON ALL CARD READERS, JUNCTION BOXES, AND TWO SCREW CONNECTORS.
4. FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND DEVICES.
5. USE SURFACE MOUNT CONTACT WHEN IT'S NOT POSSIBLE TO INSTALL RECESSED CONTACT.
6. ONLY USE ONE PART DEPENDING ON FIELD CONDITIONS. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.
7. USE STAINLESS STEEL FINISH, 629 & 630, FOR ALL LABS AND EXTERIOR DOORS.
8. INSTALL TAMPER SWITCH ON THE ACCESS CONTROL / SECURITY INTERFACE ENCLOSURE IF INSTALLED ON THE UNSECURED SIDE OF THE DOOR.
9. ALL 20DI INPUTS MUST HAVE END OF LINE RESISTOR PACKS.
10. INSTALL THE PIEZO IN ONE OF THE 1/2" KOs ON THE 4-11 JUNCTION BOX. IF THE 4-11 JUNCTION BOX IS INSIDE THE WALL, THE PIEZO CAN BE INSTALLED ON THE ACCESS CONTROL INTERFACE BY DRILLING A 3/4" HOLE ON EITHER SIDE.
11. WHEN ORDERING THE LATCH RETRACTION DOOR KIT, SPECIFY DOOR WIDTH, 36" OR 48".
12. ONLY SELECT ONE PART DEPENDING ON FIELD CONDITIONS. REFER TO DOOR HARDWARE SPECIFICATION FOR ADDITIONAL INFORMATION.

CODE INDEX

- A) NO SUBSTITUTE
- B) OR APPROVED EQUAL
- C) OR EQUAL
- D) BY GENERAL CONTRACTOR
- E) BY OWNER
- F) EXISTING
- G) REFER TO DRAWING PACKAGE
- H) REFER TO SCOPE DEFINITION
- I) BY SECURITY CONTRACTOR
- J) REFER TO HARDWARE SCHEDULE

AB-2

SINGLE DOOR, CARD IN/FREE EXIT
ELECTRIC PANIC w/REX SWITCH
LOCAL NOISE (SIREN & PIEZO), 24 VDC FAIL SECURE

EQUIPMENT LIST

SCALE: N.T.S.

LBNL ELECTRICAL STANDARDS
SECURITY CARD ACCESS AB-2
SINGLE DOOR, CARD IN/FREE EXIT ELECTRIC PANIC w/REX SWITCH

DRAWN BY	DATE
CHECKED BY	
APPROVED BY	
CAD FILE PATH	
SCALE NTS	

UNIVERSITY OF CALIFORNIA LAWRENCE BERKELEY NATIONAL LABORATORY
FACILITIES DIVISION

DRAWING NO. SEC127A
PROJECT NO.
SHEET AB-2