## 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 | MULTITECHNOLOGY MIDRANGE READER | SCHLAGE | SXF-2100PIV | A, I | 3 |
| 5 | | MULTITECHNOLOGY 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 | 4C26SBMS | A, I | |
| 19 | AR | 4-40 KEPT NUT STAINLESS STEEL | OLANDER | 4CKNTS | A, I | |
| 20 | AR | 8-32 X 1/2" STAINLESS STEEL | OLANDER | 8C60SBMS | 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 | 8C37BHXS/T | A, I | 3 |
| 23 | AR | 10-32 X 3/8" TORX PIN TAMPER | OLANDER | 10F37BHXS/T | A, I | 3 |
| 24 | AR | 10-32 X 1/2" TORX PIN TAMPER | OLANDER | 10F60BHXS/T | A, I | 3 |
| 25 | AR | 10-32 X 3/4" TORX PIN TAMPER | OLANDER | 10F75BHXS/T | A, I | 3 |
| 26 | AR | 1/4-20 X 1/2" TORX PIN TAMPER | OLANDER | 26C60BHXS/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 | 00338433 | B | |
| 33 | AR | 3/16" X 1 1/4" CONCRETE ANCHOR/ SCREW KIT FOR WALL MOUNTING | HILTI | 00477615 | 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 | 8-328581-1 | A | |
| 39 | AR | 16-14 (BLUE) SPADE LUG #8 | AMP | 8-328581-1 | 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 | LS18ST-03 | A | |
| 45 | AR | HOOK UP WIRE UL1007 / UL 1569 300 VOLT BLACK | OMNI | LS18ST-01 | A | |
| 46 | AR | HOOK UP WIRE UL1007 / UL 1569 300 VOLT WHITE | OMNI | LS18ST-02 | A | |
| 47 | AR | HOOK UP WIRE UL1007 / UL 1569 300 VOLT GREEN | OMNI | LS18ST-04 | A | |
| 48 | AR | HOOK UP WIRE UL1007 / UL 1569 300 VOLT YELLOW | OMNI | LS18ST-05 | A | |
| 49 | AR | HOOK UP WIRE UL1007 / UL 1569 300 VOLT BLUE | OMNI | LS18ST-06 | A | |
| 50 | AR | HOOK UP WIRE UL1007 / UL 1569 300 VOLT ORANGE | OMNI | LS18ST-07 | A | |
| 51 | AR | HOOK UP WIRE UL1007 / UL 1569 300 VOLT BROWN | OMNI | LS18ST-10 | A | |
| 52 | AR | HOOK UP WIRE UL1007 / UL 1569 300 VOLT VIOLET | OMNI | LS18ST-09 | A | |
| 53 | AR | HOOK UP WIRE UL1007 / UL 1569 300 VOLT SLATE | OMNI | LS18ST-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 | |
| DRAWING NO. SEC127A | SHEET AB-2 |
| PROJECT NO. | |

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FACILITIES DIVISION