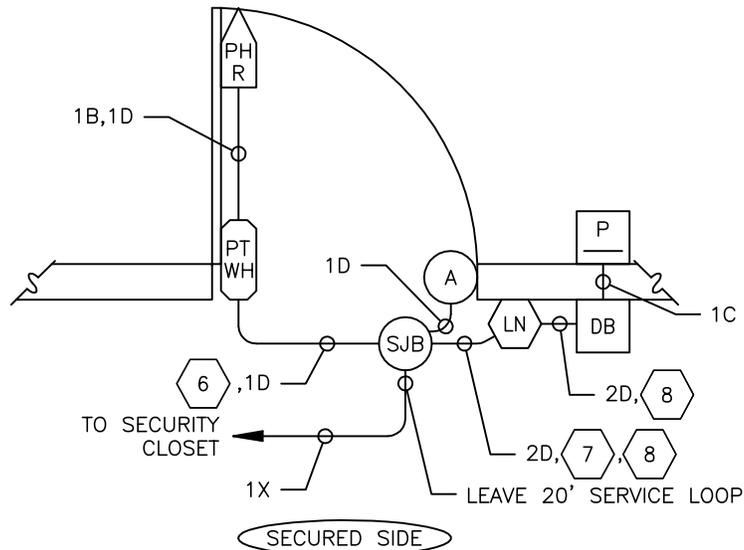


SYMBOLS LIST	
(A)	ALARM CONTACT
(P)	MULTI-TECH CARD READER
(LN)	LOCAL NOISE, SIREN & PIEZO
(PT WH)	POWER TRANSFER WIRED HINGE
(DB)	JUNCTION BOX w/ DOOR BOARD
(PH R)	ELECTRIC PANIC w/REX SWITCH
(SJB)	SECURITY JUNCTION BOX



#### OPERATION

IN THE NORMAL STATE, THE DOOR IS CLOSED, LOCKED ON THE UNSECURED SIDE, AND UNLOCKED FROM THE SECURED SIDE. NORMAL OPERATION IS BY ACCESS CARD ON THE UNSECURED SIDE AND BY PANIC BAR FROM THE SECURED SIDE. THE REQUEST-TO-EXIT MICROSWITCH, OPERATED BY THE SECURED SIDE PANIC BAR, WILL SHUNT THE ALARM BUT WILL NOT UNLOCK THE LOCK. IF THE DOOR IS HELD PAST THE PRESET OPEN TIME, A PIEZO PRE ALARM WARNING WILL SOUND A WARNING UNTIL THE DOOR IS CLOSED. IF THE DOOR IS LEFT OPEN, OR IS FORCED OPEN, A SIREN WILL SOUND UNTIL THE DOOR IS CLOSED. IF THE DOOR IS OPENED FROM THE UNSECURED SIDE WITH A KEY, A DOOR FORCED ALARM WILL BE GENERATED. IF THE DOOR BOARD JUNCTION BOX COVER IS OPENED, A TAMPER ALARM WILL BE GENERATED.

#### DIAGRAM NOTES

1. IF USING OTHER DOOR HARDWARE MANUFACTURER, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.
2. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING REFERENCE FLOOR PLANS.
3. HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.
4. DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.
5. FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.

- 6 USE THE INNER WHITE AND GREEN STRIPED JACKETED CABLE FROM THE X CABLE. LAND COLOR CODED WIRES PER THE POINT-TO-POINT WIRING DIAGRAM AND SPARE OFF ANY UNUSED WIRES.
- 7 USE THE INNER WHITE AND YELLOW STRIPED JACKETED CABLE FROM THE X CABLE. LAND COLOR CODED WIRES PER THE POINT-TO-POINT WIRING DIAGRAM AND SPARE OFF ANY UNUSED WIRES.
- 8 USE THE INNER WHITE AND PURPLE STRIPED JACKETED CABLE FROM THE X CABLE. LAND COLOR CODED WIRES PER THE POINT-TO-POINT WIRING DIAGRAM AND SPARE OFF ANY UNUSED WIRES.

# AB-1

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

DIAGRAM

SCALE: N.T.S.

LBNL ELECTRICAL STANDARDS  
SECURITY CARD ACCESS AB-1  
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-1
PROJECT NO.	

UNIVERSITY OF CALIFORNIA LAWRENCE BERKELEY NATIONAL LABORATORY  
FACILITIES DIVISION