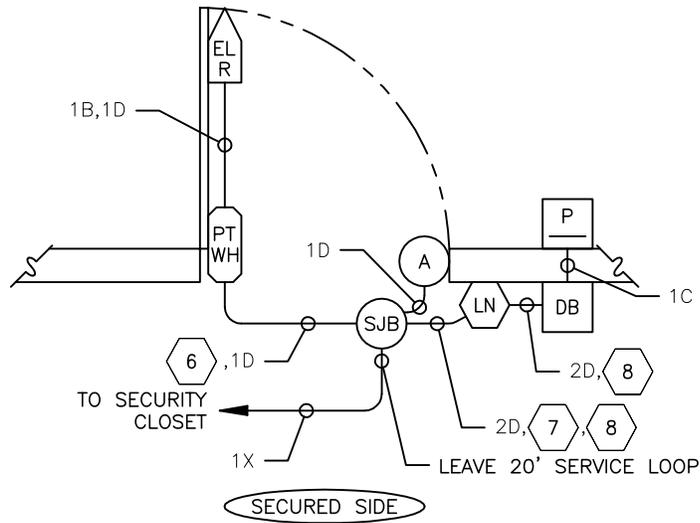


SYMBOLS LIST	
	ALARM CONTACT
	MULTI-TECH CARD READER
	LOCAL NOISE, SIREN & PIEZO
	POWER TRANSFER WIRED HINGE
	JUNCTION BOX w/ DOOR BOARD
	ELECTRIC LOCKSET w/ REX SWITCH
	SECURITY JUNCTION BOX



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 LEVER FROM THE SECURED SIDE. THE REQUEST-TO-EXIT MICROSWITCH, OPERATED BY THE SECURED SIDE HANDLE, 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

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

- 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.
- 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.
- 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.

AA-1

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

SCALE: N.T.S.

LBNL ELECTRICAL STANDARDS
SECURITY CARD ACCESS AA-1
SINGLE DOOR, CARD IN/FREE EXIT ELECTRIC LOCKSET

DRAWN BY	DATE
CHECKED BY	
APPROVED BY	
CAD FILE PATH	
SCALE NTS	
DRAWING NO. SEC104A	SHEET AA-1
PROJECT NO.	

UNIVERSITY OF CALIFORNIA LAWRENCE BERKELEY NATIONAL LABORATORY
FACILITIES DIVISION