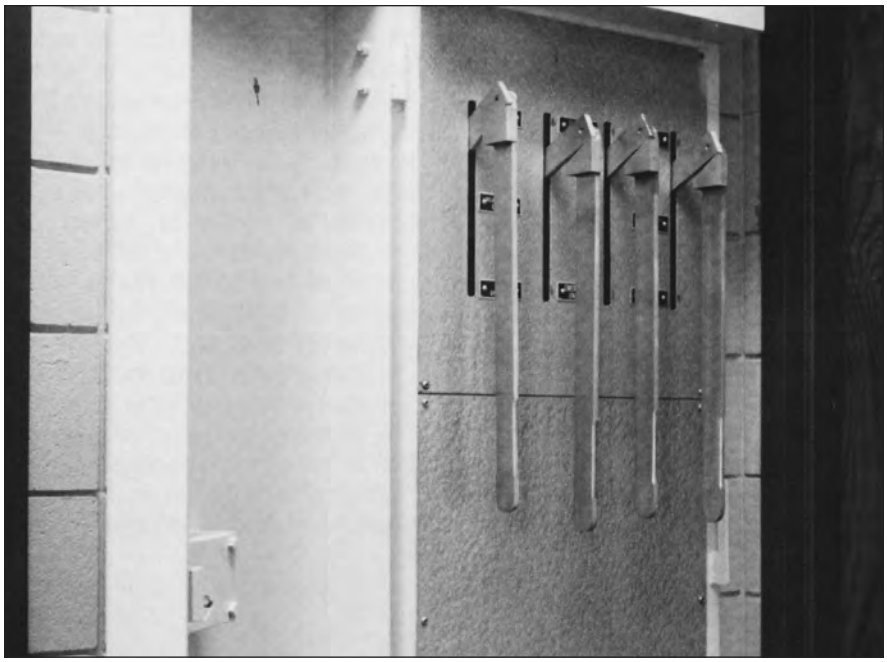
MECHANICAL CONTROL CABINETS

Introduction

In most cell door locking device systems, a combination of electrical and mechanical controls are needed to provide day-to-day operation and permit inmate movement. Electrical controls offer selective operation under normal circumstances and should be specified separately from locking devices or operators. To provide operation in event of emergency or power failure, mechanical release cabinets are offered. These permit release of rows or tiers of cell doors for manual opening and allow egress. In designing a security system, mechanical cabinets should be located in a secure area, contiguous to the cell run or tier to be controlled.



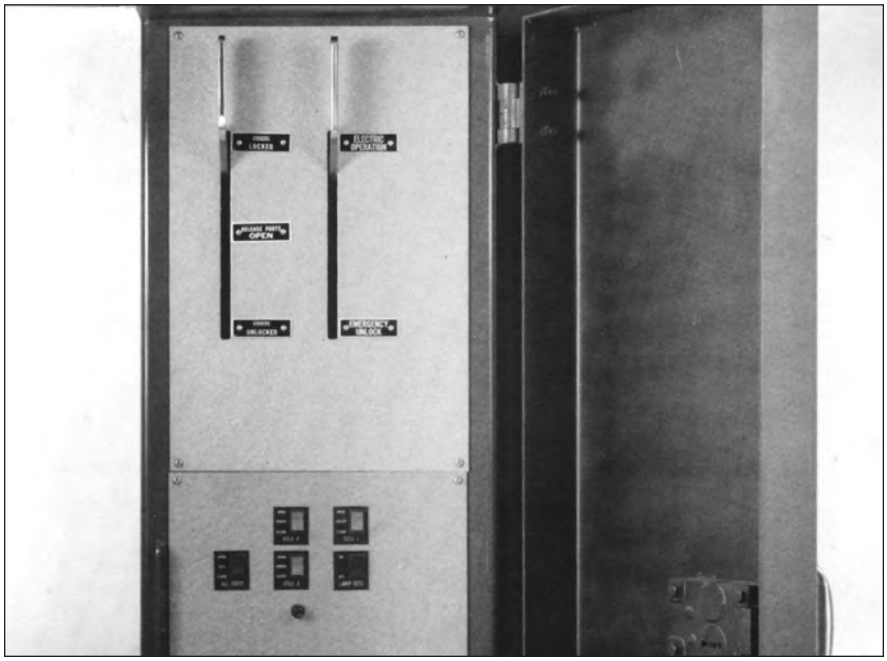
Mechanical Release Cabinet with folding telescopic handles (shown with door open). Release lever handles vary with the number of devices they release.

Functions

Mechanical Only

In a basic mechanical cabinet, a single lever control allows staff to unlock a group of cell doors. In the locked position, the locking mechanism of the overhead device is engaged and all doors are locked. When the lever is in the unlocked position, the mechanisms are disengaged and doors may be opened manually. Consult the product pages in this section for the method applicable to the device you are specifying.

In a basic cabinet, one lever locks or unlocks the locking system of a group of doors. Cabinet size and configuration may easily be customized to your specific application. In situations requiring control of multiple cell runs or tiers, additional lever controls may be



Electromechanical Control Cabinet with electrical switching (door open).

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added to allow single location operation. A maximum of eight levers may be combined into a single mechanical cabinet. With the cabinet described above, electric operation, or opening and closing of the individual cell doors, would be accomplished by electrical switch, key switch, push button, or other actuation method external to the cabinet.

NOTE: In cases where a mechanical cabinet is not specified to accompany locking devices, the devices are provided with special covers and housings which permit access to the mechanism for manual unlocking of each individual door.

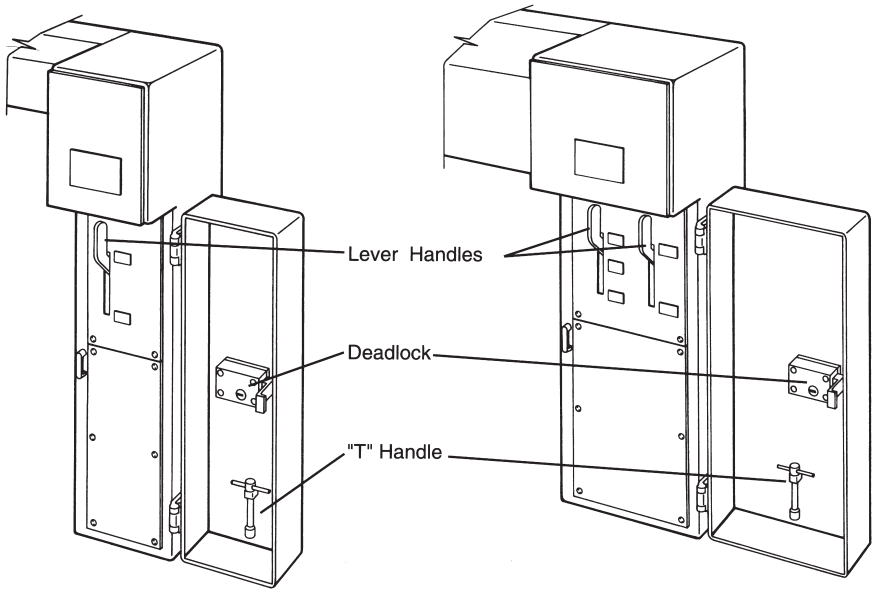
For individual mechanical operation in emergency or power failure, the cell release ports are opened from the mechanical cabinet. These ports provide access to a manual release system which is operated by a "T" handle, and releases individual doors. Refer to product pages as this feature is not available on all locking devices.

Mechanical/Electrical Operation

The custom nature of control cabinets allows the facility planner to combine electrical controls and mechanical release in the same cabinet. In this way, control/operation, and door status indication are centralized for staff safety and convenience, and the mechanical operation serves as a gang release or emergency release. Cabinets with electrical and mechanical controls offer operational versatility. When electrical controls are built into the same cabinet as the mechanical controls, each cell run or tier has two levers assigned. The first is the lock/unlock lever, the second selects mechanical operation in one position, and electrical operation in the other. Long runs of cells may require the addition of breech handles, or a crank and gear box to the cabinet. Release cabinets can be built for virtually any application. Consult with us early in the planning stages of your project for assistance.

Additional Data

Mechanical control cabinets are constructed of heavy duty materials, and the cabinet doors are secured by detention-quality, lever tumbler locks. Specifications are given on product pages in this section. The following illustrations show typical mechanical control cabinets and provide general information. This information is for reference only. Please contact us with your specific application requirements.



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