

Specification for Narrow Jamb Lock for Swinging Cell Door For Various Tennessee Department of Correction Facilities

The Tennessee Department of Correction has a variety of cell door locking devices. Various repair contracts have infused additional manufacturer's locks into the institutions. The obsolete and current mechanical condition of our locking systems has become a predominant factor in the ability of the agency to provide a safe and secure environment. It is in the best interest of the institutions and TDOC to provide a standard locking system with available spare parts and consistency in staff training.

PART 1 - GENERAL

1.1 SUMMARY

Provide a total of seven hundred and six (706) R.R.Brink Locking Systems 3000 Series medium security, electro/mechanical, narrow jamb, automatic deadlocking, latchbolt type lock for swing cell doors. The specifics and quantity required for this contract is 219 left hand and 221 right hand locks manufactured to the 3026 Retro (keyed two sides) requirement and 133 left hand and 133 right hand locks manufactured to the 3022 (keyed one side) requirement.

1.2 SUBMITTALS

- A. Product Data: For each type of product indicated. Include installation details, material descriptions, and dimensions of individual components and profiles.
- B. Sample: Provide one (1) sample of complete lock and components.
- C. Warranty: Special warranty specified in this section.

1.3 QUALITY ASSURANCE

- A. The lock shall have an Underwriters Laboratories, Inc. listing as a fire door accessory for a 3-hour "A" label fire door.
- B. The lock shall meet ASTM F-1577, Section 6.2 Lock Impact Test to Grade 1 & ASTM F-1450, Section 7.2 Door Assembly Impact Test to Grade 1
- C. Lock shall be manufactured to FSE (Fail Secure) requirements.
- D. The lock shall be automatic, deadlocking latch type. The latchbolt shall be retractable by a 24VDC solenoid and by key.
- E. All structural and mechanical lock components shall be constructed of stainless steel.
- F. All lock components must be new material.
- G. In order to increase strength, reduce friction, and reduce wear the lock shall have:
 - 1. A retracted latchbolt with a ¾" throw.
 - 2. The latchbolt shall be made of polished, 300 series cast stainless steel, containing two (2) hardened steel, free spinning, saw resistant inserts.

3. The lock strike plate will have a trapezoid latchbolt opening to reduce friction when pressure is applied to door and shall be Teflon coated stainless steel. The strike plate shall be supplied with an attached dust box.
 4. The lock shall have an auxiliary latch that shall require a depression of no more than 1/32" ± 1/64" to deadlock the latchbolt.
- H. The lock shall have a 24 VDC tubular solenoid.
- a. The solenoid shall be a continuous duty, dual coil type.
 - b. The solenoid inrush shall not exceed 1.4 amps.
 - c. The solenoid's seated amperage shall not exceed .3 amps.
- I. Pin Torx stainless steel fasteners are to be supplied in sufficient quantity to completely install the lock, cover plate and strike plate.
- J. At the Riverbend Maximum Security Institution, West Tennessee State Penitentiary and Turney Center Industrial Complex:
1. Locks shall be a direct drop in replacement for existing Southern Folger 10200 or Adtec/CPC 1005 locks.
 2. Replacement lock shall incorporate the following: FSE-MSLH-CKS-US32D finish and 2" Door.
 3. Part number 3026 FSE-SS10200RETRO
- K. At the North West Correctional Complex and DeBerry Special Needs Facility:
1. Locks shall be a direct replacement for existing RR Brink 3020 series locks.
 2. Replacement locks shall incorporate the following FSE-MSLH-CKS-US32D finish and 2" Door.
 3. Part number 3022-FSE-MSLH-CKS-US32D
- L. If the lock requires a change to the cam attached to the institutional cylinder to function properly, the appropriate cam and fasteners are to be provided at no additional cost to the institution.
- M. All electrical connections must mate to the existing 12-pin (3x4) Molex .093 field plug which may be uniquely wired at each of the receiving institutions.

1.4 QUALIFICATIONS

- A. All testing must be accomplished by an ASTM & UL recognized independent laboratory. No in-house test results will be accepted. Testing results are to be provided with the bid.

1.5 DELIVERY

- A. Multiple delivery points shall include:

Institution	Address	Contact	Quantity RHR	Quantity LHR	Lock Nomenclature	Project
RMSI - Riverbend Maximum Security Institution	7475 Cockrill Bend Blvd. Nashville, TN 37243	Sgt. Harold Powell or Cpl. Mark Haywood 615-350-3575	51	53	3026 -FSE-SS10200 Retro	Housing Unit # 5 Cell Doors

WTSP - West Tennessee State Penitentiary	480 Green Chapel Road Henning, TN 38041	Sgt. Jeffery Henson 931-738-5044 x 2233	100	100	3026 -FSE-SS10200 Retro	Housing Units # 1 & # 2 Cell Doors
TCIX - Turney Center Industrial Complex	1499 R.W. Moore Memorial Highway, Only TN 37140	Sgt. Jason Staggs 931-729-5161 x 2810	68	68	3026-FSE-SS10200 Retro	Housing Unit # 4 Cell Doors
NWCX - North West Correctional Complex	960 State Route 212 Tiptonville, TN 38079	Sgt. James Hyde 731-253-5144	68	68	3022-FSE-K1S-CKS	Housing Unit # 7 / 8 Cell Doors
DSNF - DeBerry Special Needs Facility	7575 Cockrill Bend Blvd. Nashville, TN 37243	Cpl. Jason Bowen 615-350-3821	65	65	3022-FSE-K1S-CKS	Housing Unit # 7 A/B Cell Doors / Unit # 8
			352	354	706	

1.6 WARRANTY

- A. Lock shall have 1 year parts warranty. All lock components shall be available for purchase by facility directly from manufacturer. The vendor must supply listing of repair parts containing manufacture part numbers and must be available for purchase after warranty expiration.