

SECTION 087111

LIGATURE RESISTANT SLIDING DOOR SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide ligature resistant sliding door system.
- B. Related Sections: Coordinate with the following as applicable:
 - 1. Section 087100 – Door Hardware.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's literature including product characteristics and accessories.
- B. Shop Drawings: Submit details of construction and mounting.
- C. Verification Samples: Submit samples of materials selected for use to verify color and finish.

1.3 QUALITY ASSURANCE

- A. Manufacturer: Minimum of 5 years of experience manufacturing similar products.
- B. Installer: Minimum of 2 years of experience installing similar products.
- C. Field Measurements: To the greatest extent practical, take field measurements prior to fabrication.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials and products in unopened factory labeled packages. Store and handle in strict compliance with manufacturer's instructions and recommendations.

PART 2 - PRODUCTS

2.1 LIGATURE RESISTANT SLIDING DOOR SYSTEM

- A. Basis-of-Design: LR-SDS Ligature Resistant Sliding Door System by Accurate Lock and Hardware, 1 Annie Place, Stamford, Connecticut 06902. Telephone (203) 348-8865. Fax 203-348-5234.
 - 1. Strength Testing: Strength tested to exceed one 150 ft-lb impact per section 6.1.1.2 of ANSI A250.13-2014.
 - 2. Performance Guidelines: Listed in: a) Patient Safety Standards, Materials and Systems Guidelines as Recommended by the New York State Office of Mental Health, 2019 edition, b) Behavioral Health Design Guide (formerly: Design Guide for the Built Environment of Behavioral Health Facilities), November 2019.
 - 3. Features:

- a. Top door edge is not accessible as a ligature point.
 - b. Eliminates barricade tactics and using door as a weapon.
 - c. Clutch override feature allows staff to gain entry in barricade situations.
 - d. Can be locked in open position.
 - e. Dampened closure allows quiet operation and prevents slamming.
 - f. Withstands abuse and continues to function even after door failure.
4. Components:
- a. Concealed track system.
 - b. Concealed floor guide.
 - c. Concealed vertical rod bolt locks.
 - d. Ligature Resistant Thumb Turn: [LR-ADA, Thumb Turn] [LR-ADA-F, Flush Thumb Turn] [LR-ADAI, Thumb Turn with Indicator] [LR-ADA-Fi, Flush Thumb Turn with Indicator].
 - e. Flush pull, U7001AL.
 - f. Emergency Release: [LR-ER, Emergency Release] [LR-Eri, Emergency Release with Indicator].
 - g. [Cylinder Indicator: 7200Sci.]
 - h. Clutch: Enables authorized override.
 - i. Shoe: Captures lower leading edge of door in closed position and provides structural integrity against lateral forces.
 - j. Ball Bearing Blocks: Two, each with 1240 pound (562 kg) dynamic load capacity.
 - k. [Stop Kit.]
 - l. [Fast Frame Kit: Designed for ease of installation while maintaining aesthetics and design intent.]
 - m. [Smoke Seal: LR-SDS-Smoke Seal. Smoke tested per ANSI/UL 1784 for air leakage. Exceeds International Building Code requirements.]
5. Function: [LR-SDS-0, Passage] [LR-SDS-5, Privacy] [LR-SDS-5i, Privacy with Indicator] [LR-SDS-5H, Hospital Privacy] [LR-SDS-5Hi, Hospital Privacy with Indicator] [LR-SDS-9502, Double Cylinder Function] [LR-SDS-9503ST-I, Institutional Privacy with Indicator] [LR-SDS-9503ST, Classroom Deadlock Function].
6. Finish: [US26D/US32D] [As selected by Architect] [As indicated on Drawings].

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install products in strict accordance with manufacturer's instructions, approved submittals and in proper relationship with adjacent construction.
- B. Test for proper operation and adjust until satisfactory results are obtained. Replace units which do not operate properly.

3.3 CLEANING

- A. Clean surfaces to remove soiling, stains, dust, and dirt using materials acceptable to manufacturer.

END OF SECTION