ARCHITECTURAL SPECIFICATION: DOOR AND WINDOW HARDWARE

DESIGN INTENT : LIFT SLIDE SLIDING DOOR AND WINDOW SYSTEMS

PART 1 – GENERAL

PRODUCT MANUFACTURER

Basis of Design: "FFI SST Lift Slide" by Functional Fenestration Inc www.fenestration.net .

Listing of acceptable manufacturers: Functional Fenestration Inc www.fenestration.net .

REQUIREMENTS FOR SCOPE OF WORK, PROJECT CONDITIONS, QUALITY ASSURANCE, WARRANTY

- Lift Slide helps qualify for LEED points for natural ventilation, daylighting and views.
- ANSI A156.14 SLIDING DOOR HARDWARE KITS MEETING ANSI A156.14.
- AAMA 906-21 specification for Sliding Door and Lift Slide Roller Assemblies.
- Heavy duty Lift Slide sliding door and window system with operable sliding panels shall be provided for interior or exterior walls where shown on Drawings.
- Lift slide carriages must be used with properly sized 5mm diameter compatible track (5mm requirement applies whether it be FASTrack, profile track, or other type).
- FFI SST Lift Slide systems have slim Ultravue option for sliding panels up to 990 lbs or Signature option for sliding panels up to 1300 lbs+.
- Specify standard 430 grade stainless steel or premium 304 grade stainless steel.
- Non-stainless components are kynar coated for maximum corrosion resistance.
- For panel materials: wood, aluminum clad wood, all metal, or PVC panels.
- For exterior or interior, with single or multiple sliding panels.
- For large panels up to 14 ft tall and 10 ft wide or more.
- Rated to 660 lbs (300 kg) per panel with 2 rollers at 100,000 cycles (ask for details).
- Up to to 1,320 lbs per panel with added Tandem Kit.
- Minimum panel thickness 56mm (2¼") for wood, other materials may vary.
- Panel heights to 14 feet with extensions.
- Up to 4 locking points at jamb (3 more lock points with extensions).
- Optional double handle set with locking cylinder with thumbturn knob and/or key.
- Adjustability of +/- 6mm height adjustment to carriages using 6mm hex wrench.
- Materials: stainless steel for all critical moving parts.
- Choice of 304 or 430 grade stainless steel with 3,000 hours salt-spray resistance.
- Link rods secured with solid stainless steel pins.
- Kynar-coated gears meeting AAMA 2605-98, with integrated knockout for edge-pull.
- Finishes: silver or black PVDF kynar/koflux coated.
- Cycle tested to 100,000+ cycles.
- ASTM B-117 Salt Spray tested to 3,000 hours corrosion resistance.
- Certification testing is performed by door/window manufacturer; DP up to +85.0 / -85.0 psf has been achieved; doors & windows with FFI system have passed TAS 201, TAS 202 & TAS 203 testing within FL Building Code for High Velocity Hurricane Zone & Miami-Dade County requirements.
- Product details are available as CAD files in dwg format to integrate into door and window design.
- Warranty against functional failure due to corrosion at seacoast of 5 years.
- Warranty against manufacturing defects of 15 years.

PART 2 – PRODUCTS

FFI Lift Slide SST panel hardware system – for Doors.
Gears, Carriages, link rods, and lock bolts must all be the same brand for compatibility.

• Lift Slide Gear with 37.5 or 27.5mm backset, black or silver	LAD255SHx
• Lift Slide Signature Carriages	LAR3000Ax
• Lift Slide UltraVue Carriages for slim profiles	LAR2000Ax
• Lift Slide Tandem Kit, optional for heavier panels	LAR400T00x
• HD Assist accessory for heavy doors	LAD02SHxx
• Lift Slide Link Rod	LCR000001x
• Lift Slide Gear Extension for tall doors	LDG062500x
• Lift Slide Lock Bolts	LLB400000x
• Gasket with welded corners	G02000.13.93
• FFI panel interlock	SL300.12.xx

FFI Lift Slide SST panel hardware system – for Windows.
Gears, Carriages, link rods, and lock bolts must all be the same brand for compatibility.

• Lift Slide Gear mod. 170DL, for 7mm handle, panel up to 440 lbs	LAD170DLxx
• Lift Slide Gear mod. 170SH, for 10mm handle, panel up to 990 lbs	LAD170SHxx
• Lift Slide UltraVue Carriages for slim profiles	LAR2000Axx
• Lift Slide Link Rod	LCR000001x
• Lift Slide Lock Bolts	LLB400000x
• Gasket with welded corners	G02000.13.93
• FFI panel interlock	SL300.12.xx

FFI FASTrack floor track system with 5mm radius track

• FASTrack drainage track, patent pending	SL406.xxx.xx
• FASTrack straight track, stainless steel & brass	SL400.xxx.2B
• FASTrack straight track, aluminum Class I anodized	SL400.xx.710

FFI profile track systems with 5mm radius track

• Universal Low top track, aluminum, Class I anodized	G01734.xxx.xx
• Universal Standard top track, aluminum, Class I anodized	G00734.xxx.xx
• C-style top track, aluminum, Class I anodized	G01739.xxx.xx
• Low bottom track, aluminum, Class I anodized	G00738.xxx.xxx
• High bottom track, aluminum, Class I anodized	G00739.xxx.xxx
• C-style bottom track, aluminum, anodized	G01739.xxx.xxx

FFI lift slide handles with 10mm spindle – choices include:

• FFI Cascade flush handles, stainless steel with PVD finish	LS400.xx.xxx

- FFI Modera handles, solid brass (fixed, removable, or double type) LS600.xx.xxx
- FFI Classic handles, solid brass (fixed, removable, or double type) LS610.xx.xxx
- FFI Sierra handles, solid brass (fixed, removable, or double type) LS620.xx.xxx
- FFI flush edge pulls, stainless steel, satin or black LS100.24.xxx

PART 3 – DESIGN EXECUTION

- Site preparation methods for lift slide include ensuring that rough openings are plumb and level for proper installation and operation.
- Each operable door or window shall be controlled by a lift slide handle mechanism to be specified separately, with optional locking keyed cylinder.
- Proper maintenance will protect finish durability; avoid abrasive cleaners, brushes, steel wool, & chemicals to prevent surface corrosion.
- Stainless steel is corrosion-resistant, not corrosion-proof. Therefore the recommended preventive maintenance is rub twice annually with a coating of Boeshield T-9 or lemon oil. Use non-abrasive stainless steel cleaner to remove minor surface rust.
- Clean hardware and tracks at least every 90 days with water, mild soap, and wipe dry with a soft cloth, in order to maintain warranty and proper function.