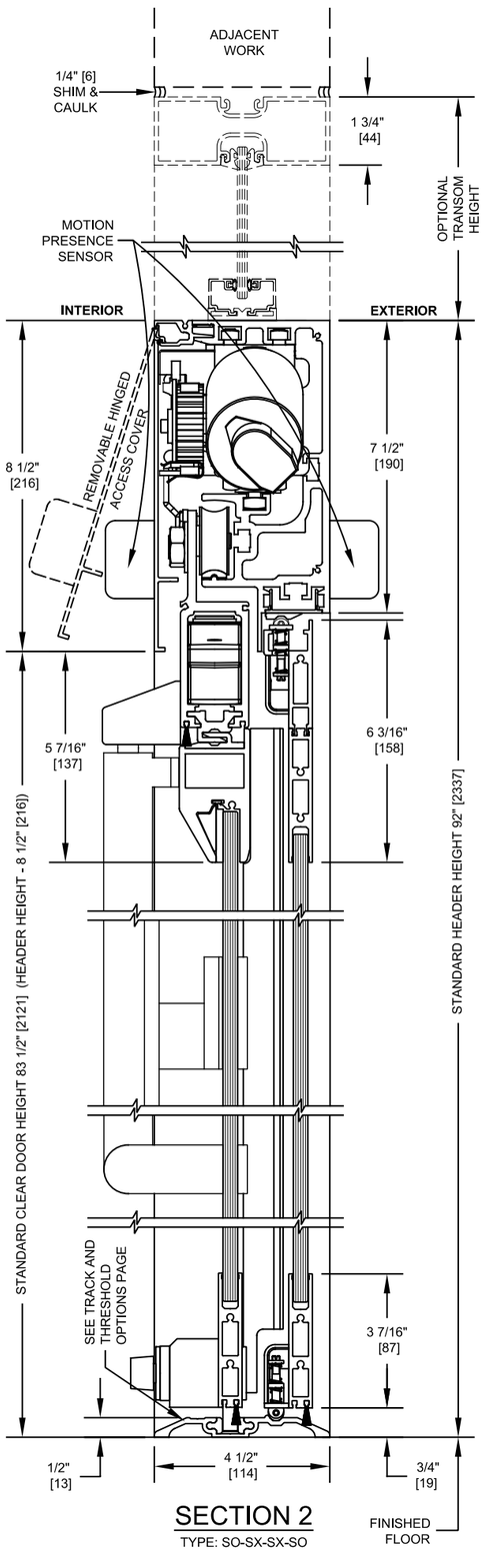
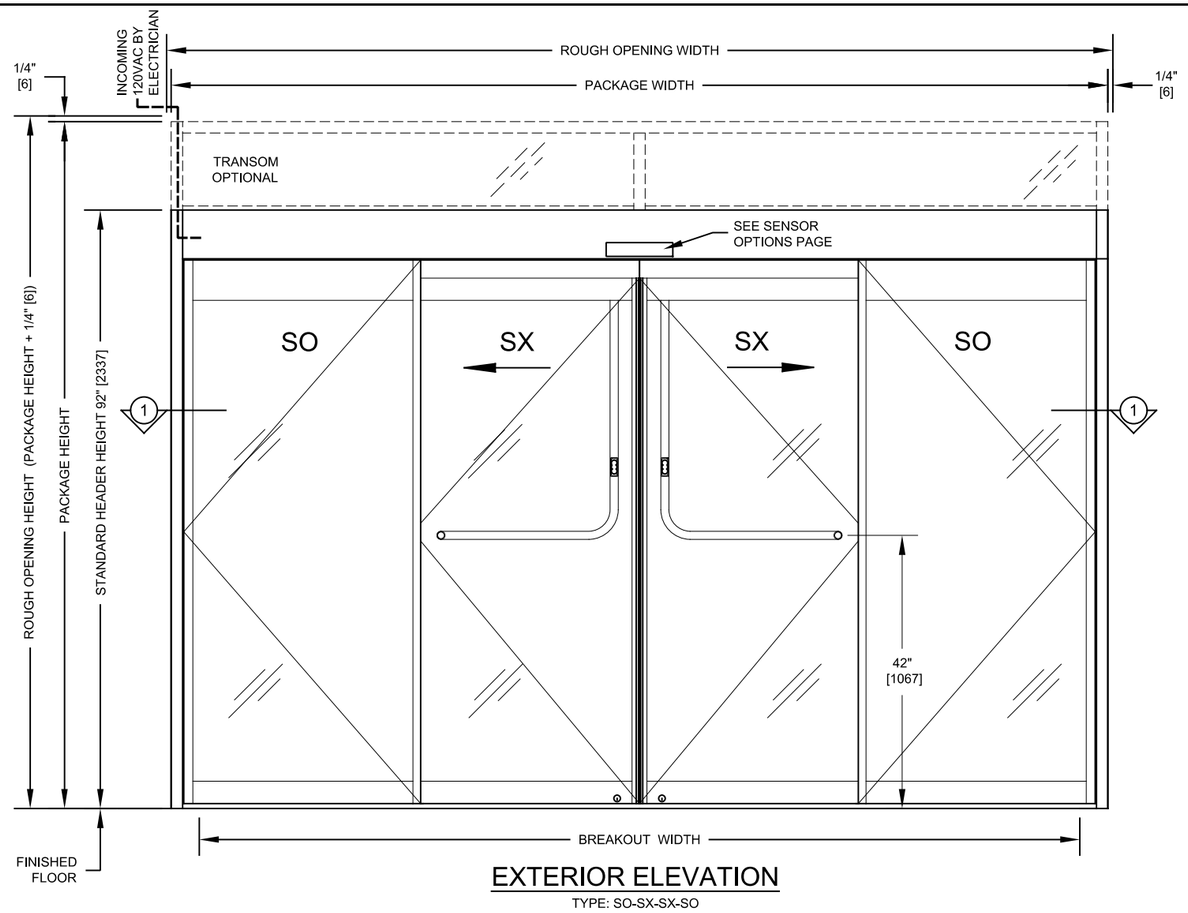


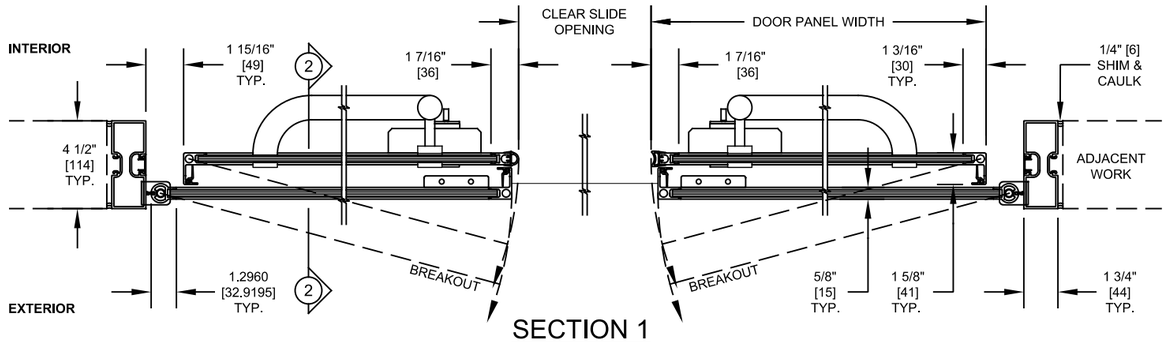
SECTION 2

TYPE: SO-SX-SX-SO



EXTERIOR ELEVATION

TYPE: SO-SX-SX-SO



SECTION 1

TYPE: SO-SX-SX-SO

DOOR SHOWN IN OPEN POSITION WITHOUT THRESHOLD

Package Width	Rough Opening Width	Clear Slide Opening	Door Panel Width	Breakout Width
(9'-0") 108" [2743]	108 1/2" [2756]	49 1/16" [1246]	25 11/16" [652]	98 13/16" [2510]
(10'-0") 120" [3048]	120 1/2" [3061]	55 1/16" [1399]	28 11/16" [729]	110 13/16" [2815]
(12'-0") 144" [3658]	144 1/2" [3670]	67 1/16" [1703]	34 11/16" [881]	134 13/16" [3424]
(14'-0") 168" [4267]	168 1/2" [4280]	79 1/16" [2008]	40 11/16" [1033]	158 13/16" [4033]
(16'-0") 192" [4877]	192 1/2" [4890]	91 1/16" [2313]	46 11/16" [1186]	182 13/16" [4643]
Width Formulas	(Package Width) +1/2" [13]	(Package Width / 2) - 4 15/16" [125]	(Package Width / 4) - 1 5/16" [33]	(Package Width) - 9 3/16" [233]

1. This Standard Bi-part Fine Frame door package consists of:
   A. Operator:
      - Two combination motion/presence sensors (one on each side) (See sensor options page).
      - ESA II motor drive unit with self-learning and self-monitoring microprocessor controller.
      - Jamb mounted 5 function rocker switch panel (see mode switch options page).
   B. Panels:
      - 3-7/16" [88] Bottom rails.
      - 1 3/4" [44] x 4 1/2" [114] Double Pocket jambs.
      - Vertical and horizontal brush type weather stripping (AAMA-701-11Class A).
      - Floor Bolt Lock, one per SX panel (threshold required).
      - ADA compliant surface applied track and threshold 1/2" [13] x 4 1/2" [114].
      - Emergency Breakaway sliding door panels (SX) and breakaway sidelights (SO) panels.
      - DG1000 exit device on SX panels
      - 3/8" [10] thick Clear Tempered Float Glass factory glazed panels.
   C. Finishes:
      - Clear anodized (BHMA 204).
      - Dark Bronze anodized (BHMA 313).

2. Optional Transom:
   A. Single vertical 1 3/4" [44] x 4 1/2" [114] double pocket mullion (Standard). Multiple verticals available.
   B. Glass thickness options 1/4" [6] thru 1-1/4" [32] at 1/8" [3] increments.
   C. 1/4" [6] Glass uses pocketed tubes and pressed in-glazing, top and sides.
   D. Other glass thickness use snap-in sash on all sides.

3. Typical Package Options:
   A. Finishes: special anodized, PVDF (wet) paint, powder coat, and cladding available. header, panels and jambs only.
   B. Santoprene rubber weather stripping available.
   C. Locking and Security Options:
      - Bi-stable Autolock sliding carrier lock concealed in header.
      - DG1000 type exit device (SX panels).
   D. Jambs: 1 3/4" [44] x 4 1/2" [114] and 2" [51] x 6" [152] smooth available.

4. Drawing Notes:
   A. Drawing dimensions are in English & Metric units. Metric units are displayed as: 1" [25] millimeters.
   B. Package Dimensions: (May be limited by panel weight):
      - Each door package is manufactured to your custom size requirements.
      - Package Width: Min. 9' [2743] to Max. 16' [4877].
      - Header Height: Min. 7'-4 1/2" Max. 10' [3048].
      - Package Height: Max. 12' [3658] with Transom.
      - SX and SO Panel Weight: Max. 225 lbs [102 kg].
   C. Maximum special application limits / custom packages:
      (Sizes may be restricted due to complexity and application).
      (Please contact dormakaba Architectural Services for dimensions outside of typical sizes above).
      - Package Width: Min. 9' [2743] to Max. 18' [5486].
      - Package Height: Max. 12' [3658].
      - Header Height: Max. 10' [3048].
      - Transom Height: Min. 8" [203] to Max. 2' [610].
      - SX and SO Panel Width: Max. 54" [1219].
      - SX Panel Size Limit = (SX Panel Width x Weight) < 900 ft-lbs [1220 N-m] Max.

5. Power Requirements:
   A. 120V +/- 10%, 50/60 Hz, 6.6A peak, 250 W. Up to 4 operators on a single 20A breaker. Service to header by electrician.

6. Standards of Compliance:
   A. UL 325 & CSA 22.2 (listed with ETL).
   B. Designed to comply with these standards depending on installation and application:
      - International Building Code (Section 1008).
      - ANSI/ BHMA 156.10.
      - ANSI/ BHMA 156.38.
      - NFPA 101 Life Safety Code (Section 7.2.1.9).
   C. Refer to Local, State, National or AHJ. Building Code for minimum door height and minimum/maximum width allowable for egress requirements.
   D. Minimum ADA is 32" clear slide opening.

7. Contact dormakaba Architectural Services for more information:
   A. Phone: 1-844-SPEC-NOW (1-844-773-2669)

ESA400_B

dormakaba
1 Dorma Drive, Reamstown PA 17567 Phone: 717-336-3881

Drawing Title: **ESA400 AUTOMATIC SLIDING DOOR**

FULL BREAKOUT **BI-PART** **FINE FRAME**

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Date: 3-AUG-2022