CONTENTS

1. TECHNICAL DESCRIPTION
2. TYPOLOGY
3. VERTICAL SECTION
4. HORIZONTAL SECTION
5. RECESSED TRACK
6. RECESSED DRAINAGE TRACK
7. 1 1/4" TRACK
8. 1 1/4" DRAINAGE TRACK
9. HEADER TRACK
10. SIDE FRAME
11. PANEL INTERLOCK & TRUE DIVIDER
12. CENTER MEETING STILE
13. POCKET INTERLOCK
14. CORNER POST
The S. 85 is a slim profile Lift and Slide door system providing strength and durability associated with Lift & Slide systems. The S. 85 offers versatility to be used in a wide array of different types of projects including custom residential, high-rise condos, luxury hotels, resorts, and restaurants. With the slimmest profile on the market among Lift & Slide products this door system provides a superior view by maximizing the glass to frame ratio. The stile width is 40 percent smaller than the typical Lift & Slide door thus making this the premier option for sleek architectural designs where a contemporary appeal is desired.

Profiles:
Specially Designed profiles are used in this system to provide maximum durability while providing a subtle visual divide. The profiles are made using high tensile 6063-T5 aluminum extrusions for superior strength. The stile sizes are as follows: the Interlocking stile is 2\(\frac{3}{4}\)" wide and 2" thick, The locking stile is 2\(\frac{3}{4}\)" wide and 2" thick and the bottom rail is 3\(\frac{3}{4}\)" wide and 2" thick.

Tracks:
All of the standard Lift & Slide tracks are to be used with this door system as well. The options include recessed tracks in 2 different sizes that can be either with or without drainage. Drainage track is always recommended by Panda unless the project is in a dry climate where a 4' or larger over hang is present to shield the opening. For retro fit applications the surface mount track may be used and for wood sub floors there is a recessed track that requires half the depth of a standard recessed track.

Accessories:
Quality EPDM rubber gaskets and dense felt brushes are used to provide superior performance in virtually any climate. Optional stainless steel screws and bolts are available for coastal regions where excessive corrosion is a concern. The standard finish is Powder coat which has been salt spray tested and can be custom color matched to any color the client desires. Other finishes available are Anodizing and Kynar.

Glazing:
Standard glazing for this system is Clear LoE Tempered 1 3/8" insulated glass. A minimum of 1/4" single pane glass to a maximum 1 1/2" hurricane rated insulated glass may be used. A unique option in this system is 1 1/2" insulated glass with automated blinds between the glass. Other options include frosted or tinted glass, argon or krypton fill, and SDLs or TDLs may also be integrated for a custom look.

Sizes:
S. 85 series door panels are custom made to order to the exact size needed for the opening. Panels may be made in excess of 70 square feet. Smaller sized panels to be used in window or pass through configurations are also available. The maximum height for the door system is 13 feet and the maximum width is 6 feet.

Weight:
Each panel weighs approximately 7 to 8 pounds per square foot.
MINIMUM TRENCH DEPTH = $2\frac{1}{2}''$ - F.F. THICKNESS
FOR MIN. DEPTH INSTALLATION SUB-FLOOR MUST BE SMOOTH & LEVEL

RECOMMENDED TRENCH WIDTHS:
1 TRACK  4''
2 TRACK  6\frac{1}{2}"''
3 TRACK  9''
4 TRACK  11\frac{1}{2}''

STANDARD GLASS $\frac{1}{8}'' \times \frac{7}{9}'' \times \frac{1}{2}''$
CLEAR LOW-E TEMPERED IG
GLASS THICKNESS
MIN. $\frac{3}{8}''$ - MAX. $1\frac{1}{2}''$

![Diagram of recessed track system]
MINIMUM TRENCH DEPTH = 2\(\frac{1}{2}\)" - F.F. THICKNESS
FOR MIN. DEPTH INSTALLATION SUB-FLOOR MUST BE SMOOTH & LEVEL

RECOMMENDED TRENCH WIDTHS:
1 TRACK 4"
2 TRACK 6\(\frac{1}{2}\)"
3 TRACK 9"
4 TRACK 11\(\frac{1}{2}\)"

STANDARD GLASS \(\frac{3}{8}\) X \(\frac{3}{8}\) X \(\frac{3}{8}\)
CLEAR LOW-E TEMPERED IG
GLASS THICKNESS
MIN. \(\frac{1}{4}\)" - MAX. 1\(\frac{3}{4}\)"
TRENCH DEPTH (MIN.)
(= 1 1/4" - F.F. THICKNESS)
FOR MIN. DEPTH INSTALLATION
SUB-FLOOR MUST BE SMOOTH & LEVEL

TRENCH WIDTH (RECOMMENDED)
1 TRACK 2 1/2"
2 TRACK 5"
3 TRACK 7 1/2"
4 TRACK 10"

STANDARD GLASS 1/8 x 3/16 x 1/4
CLEAR LOW-E TEMPERED IG

GLASS THICKNESS
MIN. 1/4" - MAX. 1 1/4"
TRENCH DEPTH (MIN.)
(= 1 1/8" - F.F. THICKNESS)

FOR MIN. DEPTH INSTALLATION
SUB-FLOOR MUST BE SMOOTH & LEVEL

TRENCH WIDTH (RECOMMENDED)

1 TRACK  2 1/2"
2 TRACK  5"
3 TRACK  7 1/2"
4 TRACK  10"

STANDARD GLASS  3/4" X 7/8 X 1/4"
CLEAR LOW-E TEMPERED IG

GLASS THICKNESS
MIN. 3/8" - MAX. 1 1/2"

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Diagram showing:
- Glass
- EPDM glazing gaskets
- Bottom rail
- Lift & slide wheel set
- EPDM gaskets
- Bottom track
- Finished floor
- Trench
- Sub-floor

1 1/4" DRAINAGE
SHIM SPACE
APPROX. $\frac{1}{2}$" DEPENDING ON TYPE OF BOTTOM TRACK & TYPE OF SILL FINISH

HEADER TRACK WIDTHS (APPROX)

$2 \frac{1}{2}$" PER TRACK
(TYPE OF BOTTOM TRACK SHOULD BE TAKEN INTO ACCOUNT WHEN PLANNING ROUGH HEADER CONSTRUCTION)

STANDARD GLASS $\frac{1}{2} \times \frac{3}{8} \times \frac{3}{4}$
CLEAR LOW-E TEMPERED IG

GLASS THICKNESS
MIN. $\frac{3}{16}$" - MAX. 1-1/8"

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HEADER
SHIM SPACE
HEADER TRACK
FELT BRUSHES
EXTERIOR

TOP PANEL RAIL
EPDM GLAZING GASKETS
GLASS

INTERIOR

11/2"
SHIM SPACE
APPROX. 1/2"

SIDE FRAME WIDTHS (APPROX)
2 1/2" PER TRACK
(TYPE OF BOTTOM TRACK SHOULD BE TAKEN INTO ACCOUNT WHEN PLANNING SIDE JAMB CONSTRUCTION)

STANDARD GLASS 1/4 X 7/8 X 1/2
CLEAR LOW-E TEMPERED IG
GLASS THICKNESS
MIN. 3/8" - MAX. 1-1/2"

SIDE FRAME
SHIM SPACE
JAMB CONST.

EPDM GASKETS
LIFT & SLIDE LOCKSET

1 1/2"
3 3/4"
2 1/16"

EPDM GLAZING GASKETS

SIDE FRAME
S.85 LIFT & SLIDE
POCKET INTERLOCK

STUCCO BLOCK

GLASS

EPDM GLAZING GASKET

OUTER WALL CONSTRUCTION

\( \frac{5}{8}'' \) DRYWALL TYP.

RECOMMENDED POCKET WIDTH

\( 2 \frac{1}{2}'' \) PER PANEL + 1''

(If any smaller than the recommended width, inner wall may need to be framed after installation of bottom track)

POCKET BOARD

FELT BRUSH

INNER WALL CONSTRUCTION

STANDARD GLASS \( \frac{1}{4}'' \times \frac{7}{8}'' \times \frac{1}{4}'' \)
CLEAR LOW-E TEMPERED IG

GLASS THICKNESS
MIN. \( \frac{3}{4}'' \) - MAX. 1\( \frac{1}{4}'' \)
90° POST

ACTIVE PANEL

LIFT & SLIDE LOCKSET

EPDM GLAZING GASKETS

GLASS

STANDARD GLASS $\frac{1}{4} \times \frac{7}{8} \times \frac{1}{2}$

CLEAR LOW-E TEMPERED IG

GLASS THICKNESS
MIN. $\frac{1}{4}"$ - MAX. $1\frac{1}{4}"$