LIFT & SLIDE
ALUM. & WOOD

DESIGN PRESSURE = 100 psf
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The Panda aluminum wood lift & slide door system is completely custom made to order in the USA with a large variety of options available. The system is hurricane rated with a structural wind load of 150 psf and a 100 DP rating. It has been specifically engineered for maximum weather tightness, security and performance in extreme climates.

Profiles:
Profiles are manufactured from 6063-T5 extruded aluminum with a wall thickness of up to 1/8” allowing for oversized panels. The interior wood is uniquely caded to the profiles by durable polyamide clips which create a thermal barrier for better UV and SHGC performance. The door systems are available with either powder coat, Kynar or anodized finishes in virtually any color the customer chooses.

Tracking:
There are 5 types of tracks available to accommodate any flooring conditions, allowing for an almost seamless look with only 3/16” protrusion above the finished floor. All weight is carried on the bottom track, the top track serves as a guide.

Configurations:
By custom building each door system in house with multiple panels, tracks, angled panel connectors and radius curves (12' min), almost any size and shape opening can be accommodated.

Hardware:
The wheel carriages are comprised of synthetic nylon wheels with encased stainless steel ball bearings and have a corrosion resistant treatment applied for high performance in coastal regions. Each wheel carriage can support up to 550 lbs which allows an 1,100 lb panel to be supported by only one set of two carriages. The operating mechanism includes a multi-point lock and can accept any 10mm Lift & Slide handle. The entire door system has specially designed EPDM gaskets to create a totally closed, weather tight system.

Glazing:
The Panda aluminum wood lift and slide system can accept any type glazing available on the market up to 1 7/8” thick. Optional integrated automated binds available.

Weight:
Each panel weighs approximately 7 to 8 lbs per sq ft depending on overall panel size.
CONFIGURATIONS WITH POCKETS

PANORAMIC
MIN. RADIUS (144°)

CORNER
45° AND 90° UNITS

STRAIGHT

SYSTEM CAN POCKET LEFT OR RIGHT

CONFIGURATIONS WITHOUT POCKETS

PANORAMIC
MIN. RADIUS (144°)

CORNER
45° AND 90° UNITS

STRAIGHT

SYSTEM CAN STACK LEFT AND/OR RIGHT
FEATURES:
- TRACK RECESSED INTO SUBFLOOR
- FINISHED FLOOR LAID IN BETWEEN TRACKS LEAVING ONLY A 3/16" RAIL EXPOSED
- A VIRTUALLY UNOBSERVED THRESHOLD FROM THE INTERIOR TO THE EXTERIOR AREA
- ADA COMPLIANT

TRENCH DEPTH (MIN.)
(= 2 1/2" - F.F. THICKNESS)
TRENCH WIDTH (RECOMMENDED)
1 TRACK 6"
2 TRACK 9"
3 TRACK 12"
4 TRACK 15"

STANDARD GLASS 1/2 X 3/8 X 1/4"
CLEAR LOW-E INSULATED
GLASS SIZES
MIN. 1/2" - MAX. 1"
IMPACT RATED WET GLAZED
1/2 X .09 X 3/4 LAMINATED & HEAT STRENGTHENED

GLASS
EPDM GLAZING GASKETS
SETTING BLOCK
GLAZING CLIP
WOOD LOCKER
BOTTOM PANEL RAIL
WHEEL ASSEMBLY
EPDM "V" GASKET
TRACK ASSEMBLY
FINISHED FLOOR
TRENCH
SUB-FLOOR
1" DROP ANCHORS
FEATURES:
- TRACK RECESSED INTO SUBFLOOR
- FINISHED FLOOR LAID IN BETWEEN TRACKS LEAVING ONLY A 3/16" RAIL EXPOSED
- A VIRTUALLY UNOBSERVED THRESHOLD FROM THE INTERIOR TO THE EXTERIOR AREA
- WEEP CHANNEL FOR INCREASED SECURITY AGAINST WATER INFILTRATION
- ADA COMPLIANT

TRENCH DEPTH (MIN.)
(= 2 1/2" F.F. THICKNESS)
TRENCH WIDTH (RECOMMENDED)
1 TRACK 6"
2 TRACK 9"
3 TRACK 12"
4 TRACK 15"

STANDARD GLASS 1/4 X 1/2 X 1/2 CLEAR LOW-E INSULATED GLASS SIZES
MIN. 3/8" - MAX. 1"
IMPACT RATED WET GLAZED
3/4 X .09 X 1/2 LAMINATED & HEAT STRENGTHENED

FINISHED FLOOR
TRENCH
SUB-FLOOR
DRAIN LINE
1/2" FLEXIBLE LINE TO BE CONNECTED TO DRAINAGE SYSTEM IN STRUCTURE
1" DROP ANCHORS
FEATURES:

- Shallower recess into the flooring
- Track leveled with stack shims instead of all-threads
- Track recessed into subfloor
- Finished floor laid in between tracks leaving only a 3/16" rail exposed
- A virtually unobstructed threshold from the interior to the exterior area
- ADA compliant

TRENCH DEPTH (MIN.)

(= 1 1/4" - F.F. THICKNESS)

For min. depth installation
Sub-floor must be smooth & level

TRENCH WIDTH (RECOMMENDED)

- 1 TRACK 3"
- 2 TRACK 6"
- 3 TRACK 9"
- 4 TRACK 12"

STANDARD GLASS 1/2 X 1/2 X 1/2
CLEAR LOW-E INSULATED
GLASS SIZES

MIN 3/8" - MAX. 1"
IMPACT RATED WET GLAZED
1/2 X .09 X 1/2 LAMINATED &
HEAT STRENGTHENED

1 1/4 IN TRACK
LIFT & SLIDE A/W 7

GLASS
EPDM GLAZING GASKETS
SETTING BLOCK
GLAZING CLIP
WOOD LOCKER
BOTTOM PANEL RAIL
WHEEL ASSEMBLY
EPDM "V" GASKET
TRACK ASSEMBLY
FINISHED FLOOR
TRENCH
SUB-FLOOR
STACK SHIMS
FEATURES:
- Shallower recess into the flooring
- Track leveled with stack shims instead of all-threads
- Track recessed into subfloor
- Finished floor laid in between tracks leaving only a 3/16" rail exposed
- A virtually unobstructed threshold from the interior to the exterior area
- Weep channel for increased security against water infiltration
- ADA compliant

TRENCH DEPTH (MIN.)
(= 1 3/4" - F.F. THICKNESS)
FOR MIN. DEPTH INSTALLATION
SUB-FLOOR MUST BE SMOOTH & LEVEL

TRENCH WIDTH (RECOMMENDED)
1 TRACK 3"
2 TRACK 6"
3 TRACK 9"
4 TRACK 12"

STANDARD GLASS 1/4 x 1/2 x 1/2
CLEAR LOW-E INSULATED
GLASS SIZES

MIN. 1/4" - MAX. 1"
IMPACT RATED WET GLAZED
1/2 x .09 x 1/2 LAMINATED &
HEAT STRENGTHENED

1 1/4 IN TRACK
LIFT & SLIDE A/W 8
FEATURES:

- LOW 3/16" TRACK MOUNTING DIRECTLY TO THE FINISHED FLOOR.
- USED ONLY IN SITUATIONS WHERE RECESSING IS NOT POSSIBLE
- ADA COMPLIANT

FOR BEST OPERATION - FLOOR MUST BE SMOOTH & LEVEL
SHIM SPACE
FROM 1/2" TO 1" DEPENDING ON TYPE OF BOTTOM TRACK & FINISHED FLOOR THICKNESS

HEADER TRACK WIDTHS (APPROX)
1 PANEL 4"
2 PANEL 7"
3 PANEL 10"
4 PANEL 13"
(TRENCH WIDTH SHOULD BE TAKEN INTO ACCOUNT WHEN PLANNING ROUGH HEADER CONSTRUCTION)

HEADER CONSTRUCTION
ADJUSTABLE SHIMS
HEADER TRACK
EPDM TOP CLIP
WOOD CLIP
GLAZING CLIP
UPPER PANEL RAIL
EPDM GLAZING GASKETS
GLASS

STANDARD GLASS 1/2 X 1/2 X 1/4 CLEAR LOW-E INSULATED GLASS SIZES
MIN. 1/4" - MAX. 1"
IMPACT RATED
WET GLAZED
1/2 X .09 X 1/4 LAMINATED & HEAT STRENGTHENED

HEADER TRACK
LIFT & SLIDE A/W 10
SHIM SPACE

$\frac{1}{2}"$ IS TYPICAL

SIDE FRAME WIDTHS (APPROX)

1 PANEL  4"
2 PANEL  7"
3 PANEL  10"
4 PANEL  13"

(TRENCH WIDTH SHOULD BE TAKEN INTO ACCOUNT WHEN PLANNING SIDE JAMB CONSTRUCTION)

SIDE JAMB CONSTRUCTION
SIDE FRAME
EPDM "V" GASKETS
LOCKING ASSEMBLY
WOOD LOCKER
EPDM GLAZING GASKETS
GLASS

WOOD CLADDING
GLAZING CLIP

(Stanard Glass $\frac{1}{2} \times \frac{3}{4} \times \frac{1}{8}$
Clear Low-E Insulated Glass Sizes
Min. $\frac{1}{2}"$, Max. 1"
Impact Rated
Wet Glazed
$\frac{1}{2} \times .09 \times \frac{1}{8}$ Laminated & Heat Strengthened)
FELT BRUSHES
EPDM INTERLOCK GASKET
WOOD LOCKER
INTERLOCK
GLAZING CLIP
PANEL STILE

EPDM GLAZING GASKETS
GLASS

STANDARD GLASS \( \frac{1}{8} \times \frac{1}{2} \times \frac{3}{4} \)
CLEAR LOW-E INSULATED GLASS SIZES
MIN. \( \frac{1}{4} " \) - MAX. 1"
IMPACT RATED
WET GLAZED
\( \frac{1}{8} \times 0.09 \times \frac{3}{4} \) LAMINATED & HEAT STRENGTHENED
WOOD LOCKER

LOCKING HARDWARE

FELT BRUSHES

ASTRAGAL

EPDM "V" GASKETS

EPDM GLAZING GASKETS

GLASS

GLAZING CLIP

HANDLES

PANEL STILE

STANDARD GLASS \( \frac{1}{4} \times \frac{3}{8} \times \frac{3}{8} \)

CLEAR LOW-E INSULATED

GLASS SIZES

MIN. \( \frac{1}{4} \) - MAX. 1"

IMPACT RATED

WET GLAZED

\( \frac{1}{2} \times .09 \times \frac{1}{2} \) LAMINATED &

HEAT STRENGTHENED

CENTER STILE

LIFT & SLIDE A/W 13
CORNER POSTS
LIFT & SLIDE  A/W  15