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The Panda TB Aluminum/Wood Clad Lift and Slide door system is custom made to order and designed specifically for use in climates where thermal performance is most important.

Profiles:
Profiles are manufactured from 6063-T5 extruded aluminum with a wall thickness of up to 1/8” allowing for oversized panels. Polyamide iso struts which provide greater structural integrity and sheer strength over other thermal break options. Each panel can be in excess of 70 square feet in size over 14’ in height. The door systems are available with either powder coat, Kynar or anodized finishes in virtually any color the customer chooses. The interior wood is uniquely cadded to the profiles by durable polyamide clips which create a thermal barrier for better UV and SHGC performance.

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, and angled panel connectors, almost any size and shape of 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 Thermally broken lift and slide system can accept any type glazing available on the market up to 1 7/8” thick. Optional integrated automated blinds available.

Weight:
Each panel weighs approximately 7 to 8 lbs per sq ft depending on overall panel size.
FEATURES:
- TRACK RECESSSED 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)
FOR MIN. DEPTH INSTALLATION
SUB-FLOOR MUST BE SMOOTH & LEVEL

TRENCH WIDTH (RECOMMENDED)
4" PER PANEL

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

GASKETS
GLAZING CLIP
POLYAMIDE BARS
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 UNOBSTRUCTED 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)
FOR MIN. DEPTH INSTALLATION
SUB-FLOOR MUST BE SMOOTH & LEVEL

TRENCH WIDTH (RECOMMENDED)
4" PER PANEL

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

GLASS
EPDM GLAZING GASKETS
GLAZING CLIP
POLYAMIDE BARS
BOTTOM PANEL RAIL
WHEEL ASSEMBLY
EPDM "V" GASKET
TRACK ASSEMBLY
FINISHED FLOOR
TRENCH
SUB-FLOOR
WOOD LOCKER
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.)
(= 2 1/2" - F.F. THICKNESS)
For min. depth installation
Sub-floor must be smooth & level

TRENCH WIDTH (RECOMMENDED)
4" per panel

STANDARD GLASS 1/4 X 1/2 X 3/4
Clear Low-E Insulated
Glass sizes
Min. 3/8" - Max. 1"
Impact rated wet glazed
1/4 X 0.9 X 1/2 laminated & heat strengthened

EXTERIOR
FINISHED FLOOR
INTERIOR
SUB-FLOOR
TRENCH
STACK SHIMS
EPDM "V" GASKET
TRACK ASSEMBLY
WHEEL ASSEMBLY
BOTTOM PANEL RAIL
GLAZING CLIP
EPDM GLAZING GASKETS
POLYAMIDE BARS
GLASS

1 1/4" REC. TRACK
AWTB LIFT & SLIDE
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.)
(= 2 1/2" - F.F. THICKNESS)
For min. depth installation
Sub-floor must be smooth & level

TRENCH WIDTH (RECOMMENDED)
4" per panel

GLASS
EPDM GLAZING GASKETS
GLAZING CLIP
POLYAMIDE BARS
BOTTOM PANEL RAIL
WHEEL ASSEMBLY
EPDM "V" GASKET
TRACK ASSEMBLY
FINISHED FLOOR
TRENCH
SUB-FLOOR
STACK SHIMS
FEATURES:
- LOW 3/16" TRACK MOUNTING DIRECTLY TO THE FINISHED FLOOR.
- USED ONLY IN SITUATIONS WHERE RECESSING IS NOT POSSIBLE
- ADA COMPLIANT

STANDARD GLASS $\frac{1}{4} \times \frac{1}{2} \times \frac{3}{4}$ CLEAR LOW-E INSULATED GLASS SIZES
MIN. $\frac{3}{4}''$ - MAX. 1''
IMPACT RATED WET GLAZED
$\frac{1}{2} \times 0.09 \times \frac{3}{4}$ LAMINATED & HEAT STRENGTHENED

GLASS
EPDM GLAZING GASKETS
GLAZING CLIP
POLYAMIDE BARS
BOTTOM PANEL RAIL WHEEL ASSEMBLY
EPDM "V" GASKET
FINISHED FLOOR
SUB-FLOOR
WOOD LOCKERS
TRACK

FOR BEST OPERATION - FLOOR MUST BE SMOOTH & LEVEL
SHIM SPACE
FROM $\frac{1}{2}''$ TO 1'' DEPENDING ON TYPE OF
BOTTOM TRACK & FINISHED FLOOR THICKNESS
HEADER TRACK WIDTHS (APPROX)
4'' PER PANEL

(TRENCH WIDTH SHOULD BE TAKEN INTO ACCOUNT WHEN PLANNING ROUGH HEADER CONSTRUCTION)

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

WOOD LOCKERS

STANDARD GLASS $\frac{1}{4}'' \times \frac{1}{2}'' \times \frac{1}{4}''$
CLEAR LOW-E INSULATED
GLASS SIZES
MIN. $\frac{1}{2}''$ - MAX. 1 1/4''
IMPACT RATED
WET GLAZED
$\frac{1}{4}'' \times .09 \times \frac{1}{4}''$ LAMINATED & HEAT STRENGTHENED
SHIM SPACE
\[ \frac{1}{2}'' IS TYPICAL \]

SIDE FRAME WIDTHS (APPROX)
4" PER PANEL
(TRENCH WIDTH SHOULD BE TAKEN INTO ACCOUNT WHEN PLANNING SIDE JAMB CONSTRUCTION)

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

PANEL STILE

7.5" x 7.5"

EPDM GLAZING GASKETS

POLYAMIDE BARS

GLAZING CLIP

7.5"

4.5"

3.5"

4.5"

GLASS

FELT BRUSHES

STANDARD GLASS 3/8 X 1/2 X 1/8
CLEAR LOW-E INSULATED

GLASS SIZES
MIN. 3/8" - MAX. 1 1/4"
IMPACT RATED
WET GLAZED
3/8 X .09 X 1/8 LAMINATED &
HEAT STRENGTHENED

PANEL INTERLOCK
AW TB LIFT & SLIDE 12
POLYAMIDE BARS
LOCKING HARDWARE
FELT BRUSHES
ASTRAGAL
EPDM "V" GASKETS
EPDM GLAZING GASKETS
GLASS

GLAZING CLIP
3\frac{1}{2}"
2\frac{3}{4}"
8\frac{1}{4}"

PANEL STILE

STANDARD GLASS \( \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \)
CLEAR LOW-E INSULATED
GLASS SIZES
MIN. \( \frac{3}{4} " \) - MAX. \( 1 \ 1/4 " \)
IMPACT RATED
WET GLAZED
\( \frac{1}{2} \times .09 \times \frac{1}{2} \) LAMINATED &
HEAT STRENGTHENED

CENTER STILE
AW TB LIFT & SLIDE
STANDARD GLASS $\frac{1}{8} \times \frac{1}{2} \times \frac{1}{8}$
CLEAR LOW-E INSULATED
GLASS SIZES
MIN $\frac{1}{4}''$ - MAX. $1\frac{1}{2}''$
IMPACT RATED
WET GLAZED
$\frac{1}{8} \times 0.09 \times \frac{1}{2}$ LAMINATED &
HEAT STRENGTHENED

90° POST
POLYAMIDE BARS
3\frac{1}{2}''

90°
3\frac{1}{2}''
3\frac{1}{4}''
EPDM "V"
GASKET

3\frac{1}{4}''

45° POST
45.23°

4''

CORNER POSTS
AWTB LIFT & SLIDE 15