LAWS AND BUILDING AND SAFETY CODES GOVERNING THE DESIGN AND USE OF GLAZED ENTRANCE, WINDOWS, AND CURTAIN WALL PRODUCTS VARY WIDELY. KAWNEER DOES NOT CONTROL THE SELECTION OF PRODUCT CONFIGURATIONS, OPERATING HARDWARE, OR GLAZING MATERIALS, AND ASSUMES NO RESPONSIBILITY THEREFOR.

Metric (SI) conversions figures are included throughout these details for reference. Numbers in parentheses (    ) are millimeters unless otherwise noted.

The following metric (SI) units are found in these details:

- m - meter
- cm - centimeter
- mm - millimeter
- s - second
- Pa - pascal
- MPa - megapascal

Kawneer reserves the right to change configurations without prior notice when deemed necessary for product improvement.
1070 SLIDING MALL FRONT

PICTORIAL VIEW

- Center pivoted swing entrance doors
- Top guide pin
- Adjustable sealed bearing floor castors
- Single solid aluminum floor track
**NOTE:**

- Optional weathering trim can be used at the interior with straight panel runs only.

**Maximum Allowable Structural Deflection:** 1/4" (6.4).

Entrances cannot be built without transom lites. Transom lite must be a minimum of 12" (305) high.

Proper support must be provided for floor and head track including the stack area.

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**1. Recessed Head Application**

- **CAD Detail:** HH02

**4. Intermediate Horizontal**

- **CAD Detail:** HI01

**5. Panel Bottom Rail (With Exterior Draining Track)**

- **CAD Detail:** HS01

**2. Transom Bar**

- **CAD Detail:** DP02

**3. Swing Door Bottom Rail**

- **CAD Detail:** DP05

Drain connections to 60-110 to be by others 1" (25.4) to 1-1/4" (31.8) O.D. drain tubing recommended every 15' (4.572 meters) and at each end.
NOTE:
Cylinder locks shown for illustration only.
(Specify exact location)

Maximum sidelight width is 2'-0" (610)

Entrances are 6'-0" x 7'-0" (1828 x 2134) pair of doors.
Kawneer concealed overhead closer only.

6 LOCK JAMB
CAD DETAIL: VJ01

7 SWING DOOR JAMB
CAD DETAIL: DP11

8 DOOR JAMB / MEETING STILES
CAD DETAIL: DP07

9 MEETING STILES
CAD DETAIL: VI01

9 MEETING MULLIONS
CAD DETAIL: VI02

10 JAMB
CAD DETAIL: VI03

Glass pocket at transom

(OPTIONAL CONDITIONS WHEN TWO ENTRANCE PANELS MEET)

MEETING MULLIONS
CAD DETAIL: PD08
Basic considerations for door detailing sliding wall arrangements and stacking sequence.
1. Caster spacing for 6'-0" entrances with sidelite may not vary from standard dimension of 78-1/4" (1987.6).
2. Caster spacing for 6'-0" entrances without sidelite may not vary from standard dimensions of 75-1/16" (1906.6).
3. Minimum locations of caster center line from end of bottom horizontal is 3" (76.2) actual location depends on entrance unit wheel spacing and non-entrance panel detailed width.
4. 1070 stacking is only as shown. Pocket dimensions depend on panel width and position in stack.
5. Parallel stacking only.

Note: Size and location of chase in floor cannot usually be determined until job is detailed.
Mullions are designed for L/175 deflection ratio. These curves are for mullions with horizontals and are based on precise engineering calculations for stress, deflection and buckling. Allowable windload stress for ALUMINUM 12,929 P.S.I. (89 MPa). Charted curves, in all cases are for the limiting value. For special situations not covered by these curves, contact your Kawneer representative for additional information.
(Note: Calculations are in accordance with the National Building Code of Canada based on CAN3-S157 "Strength Design in Aluminum").

### Panel Size Limitations

**Exterior Application with Entrances**

- Minimum panel width with entrances 6'-6'/4" (1988)
- Minimum panel height with entrances 8'-0" (2438)
- Maximum panel width with entrances 8'-8'/4" (2648)*
- Maximum panel height with entrances 12'-0" (3658)*

**Exterior Application without Entrances**

- Minimum panel height without horizontals 9'-0" (2743)
- Maximum panel width without horizontals 12'-0" (3658)

**Interior Application Only**

- Minimum panel height 8'-0"
- Maximum panel width 6'-6"

**NOTE:** *ONLY WITH A DESIGN LOAD OF 15 p.s.f. (720 Pa.) CAN A PANEL BE THE MAXIMUM WIDTH AND HEIGHT. FOR HIGHER DESIGN LOADS, THE PANEL MUST BE LIMITED TO THE CURVES B, C, D, AND E IN THE GRAPH ABOVE.
1070 SLIDING MALL FRONT

PRODUCT LIMITATIONS and GENERAL INFORMATION

STACK AREA LAYOUT
(For units with entrance doors.)

NOTE: IF POCKET ENCLOSURE IS USED THEN ACCESS TO POCKET MUST BE PROVIDED.

PARALLEL STAGGERED STACK
Minimum "L" = Panel width + 10" (254) + (21/4" (57) x (number of panels - 2)).
Minimum "W" = 111/16" (296.9) + {41/8" (123.8) x (number of panels - 1)}.

NOTE: STACK AREA MUST HAVE ADEQUATE SUPPORT FOR THE PANEL WEIGHT.

HARDWARE STANDARDS

SLIDING PANELS (LOCKS)
- ADAMS RITE MS-1873 Floor bolt

ENTRANCE DOORS
- Architect's Classic Push/Pulls
- ADAMS RITE MS-1850A deadlock
- Top and bottom flush bolts
- Threshold
- "HUSKY II" Concealed overhead closers

PRODUCT LIMITATIONS

1. Swing doors in "1070" Panels are restricted to:
   (A) 6' x 7' (1828.8 x 2133.6) Pairs of Kawneer doors with Standard MS Locks Only.
   (B) Center Hung with Kawneer HUSKY-II Concealed Overhead Closer Only.
   Double Acting can be made Single Acting by use of Door Stop on Transom Bar.
   (C) The following Push-Pull Hardware Styles are the Only ones Applicable with the "1070" Swing Doors:
      (a) Architect's Classic Style CO-9/CP
      (b) Architect's Classic Style CO-12/CP
      (c) Architect's Classic Style CP/CP
      (d) Architect's Classic Style CO-9/CO-9
      (e) Architect's Classic Style CO-12/CO-12

2. Total Height of Panels with Swing Doors MUST BE Minimum of 8'-0" (2438.4) which is a 7'-0" (2133.6) Pair of Doors plus a Transom Height of 1'-0" (304.8) MINIMUM.

3. Parallel STAGGERED STACKING Only.

4. Drain Pipes from Drain Track NOT By Kawneer.

5. Sidelite to Swing Doors - MAXIMUM width 2'-0" (609.6).

6. "1070" Will Accept Flush Glazed 1/4" (6.4) Glass or panel ONLY.

GENERAL INFORMATION

General Description: The "1070" sliding front consists of single trackage with parallel stacking of exterior and interior applications. Because the "1070" incorporates swing entrances, it is ideally suited for the following monumental and commercial applications:

- Entrances to shopping malls
- Large movable walls
- Movable storefronts
- Automobile showrooms
- Seasonal open front merchandising
Finishes: Architect's Classic Push/Pull Hardware are available in the following finishes:

- #14 Clear, #29 Black and #40 Dark Bronze Anodized.