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LAWS AND BUILDING AND SAFETY CODES GOVERNING THE DESIGN AND USE OF GLAZED ENTRANCE, WINDOW, 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.

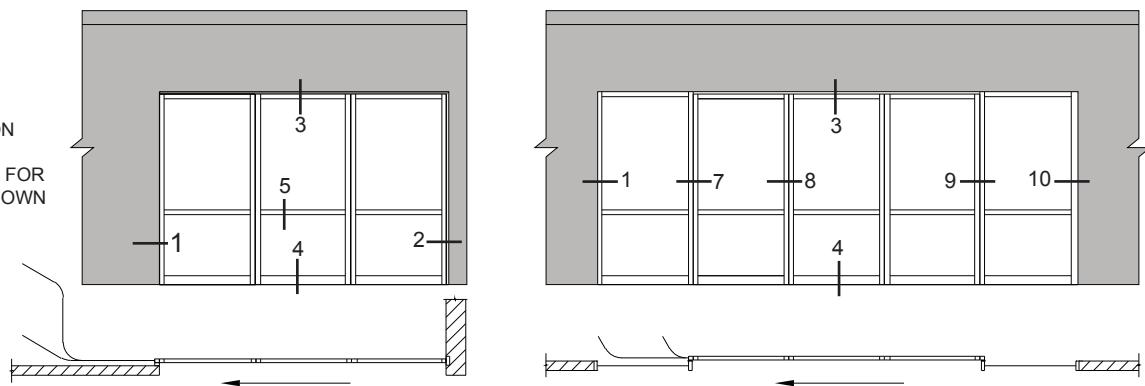
Metric (SI) conversion figures are included throughout these details for reference. Numbers in parentheses ( ) are millimeters unless otherwise noted.

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

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

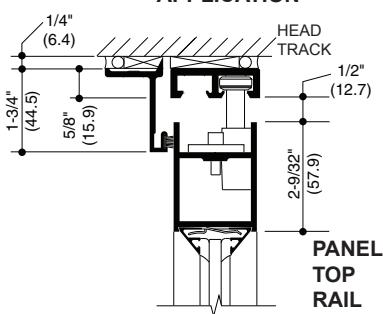
SCALE 3" = 1'-0"

\*POSSIBLE TRACK CONDITION VARY WIDELY. CONSULT THE KAWNEER REPRESENTATIVE FOR TRACK APPLICATION NOT SHOWN IN THESE DETAILS.

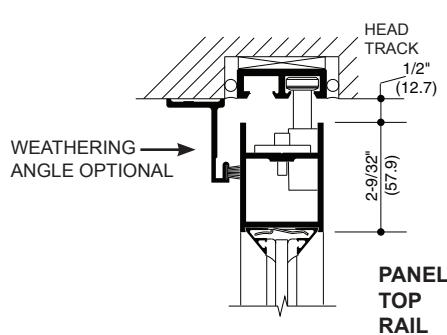


ELEVATIONS ARE NUMBERED KEYED BELOW AND ON PAGE 3.

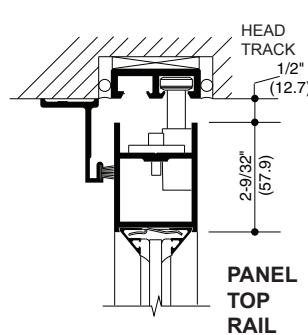
**3**  
SURFACE HEAD TRACK  
APPLICATION



**3**  
RECESSED HEAD TRACK  
APPLICATION



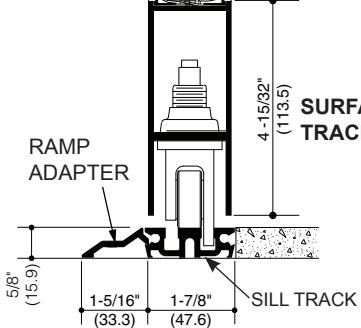
**3**  
RECESSED HEAD TRACK  
APPLICATION



**NOTE:** FOR PROPER PANEL OPERATION ON SURFACE TRACK APPLICATIONS, THE FINISH FLOOR MUST BE LEVEL WITHIN 1/8" PER EACH PANEL WIDTH AND WITHIN 1/2" OVER THE ENTIRE TRACK AREA.

**NOTE:** PROPER SUPPORT MUST BE PROVIDED FOR FLOOR AND HEAD TRACK INCLUDING THE STACK AREA.

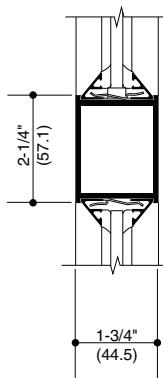
**4**  
PANEL  
BOTTOM  
RAIL



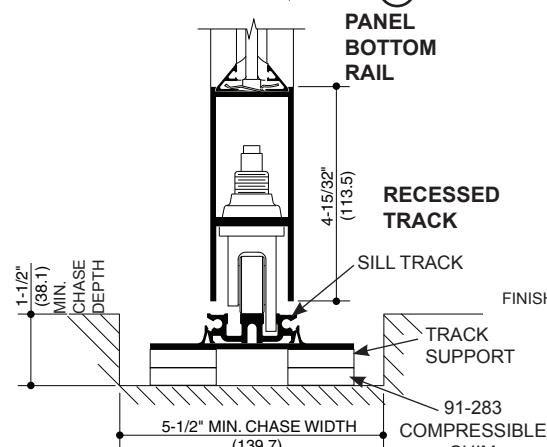
MIN. CHASE  
DEPTH

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.

**5**  
INTERMEDIATE  
HORIZONTAL



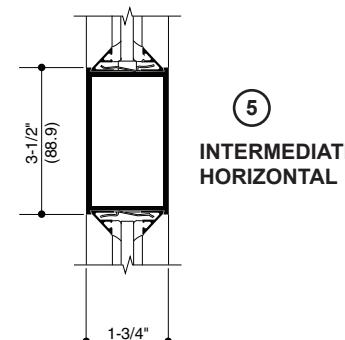
**4**  
PANEL  
BOTTOM  
RAIL



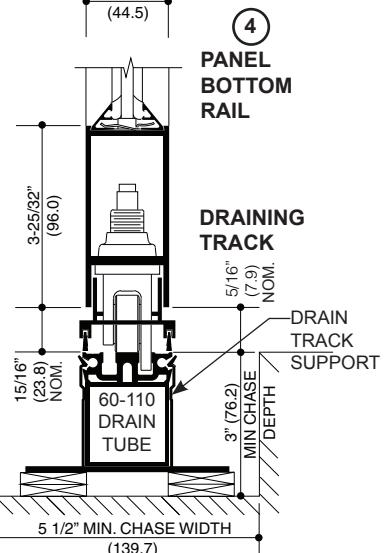
RECESSED  
TRACK

SILL TRACK  
TRACK SUPPORT  
91-283  
COMPRESSIBLE  
SHIM

FINISH FLOOR



**4**  
PANEL  
BOTTOM  
RAIL



DRAINING  
TRACK

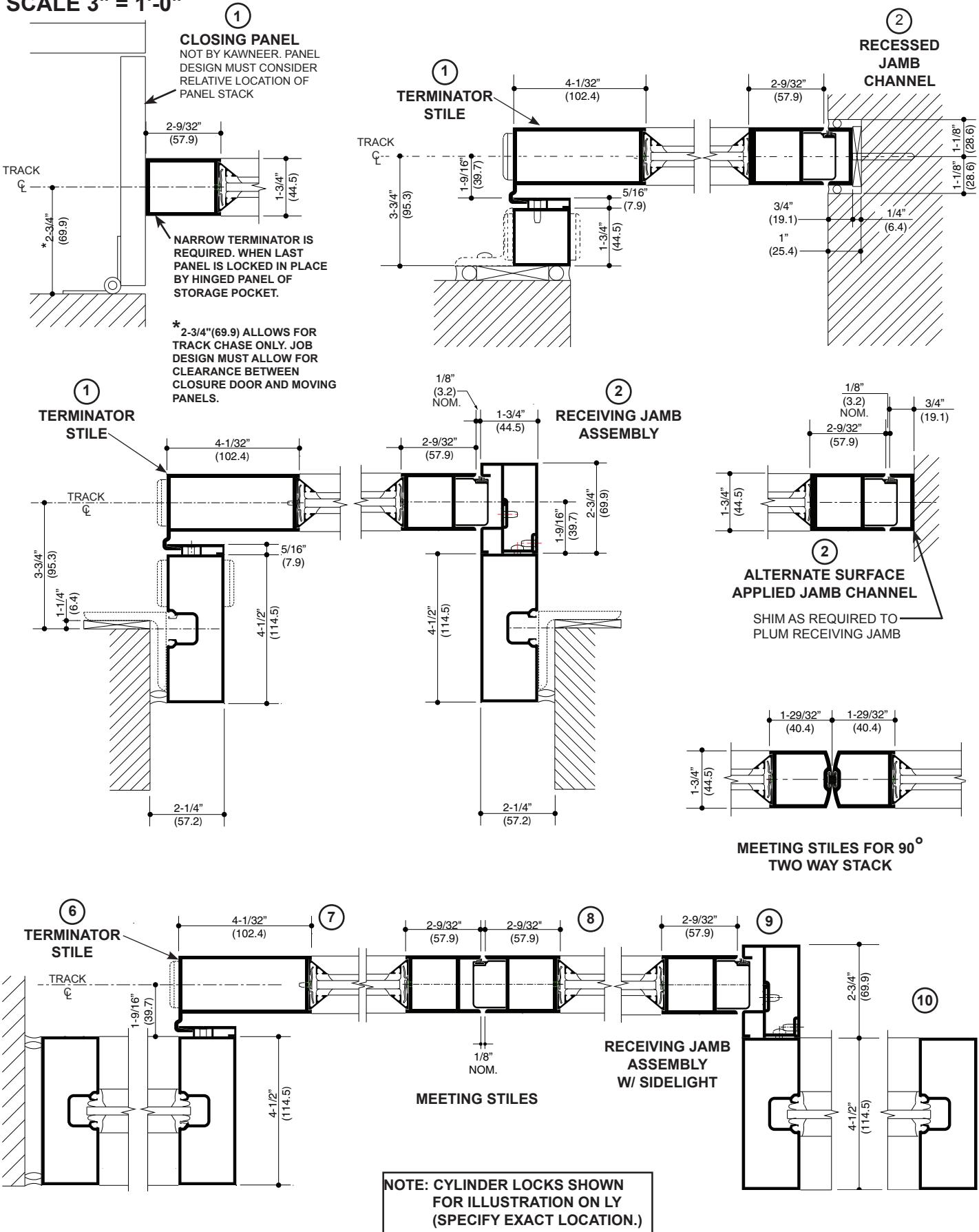
DRAIN  
TRACK  
SUPPORT  
60-110  
DRAIN  
TUBE  
5 1/16"  
(23.8)  
NOM.  
3" (76.2)  
MIN. CHASE  
DEPTH  
5 1/2" (139.7)  
MIN. CHASE  
WIDTH

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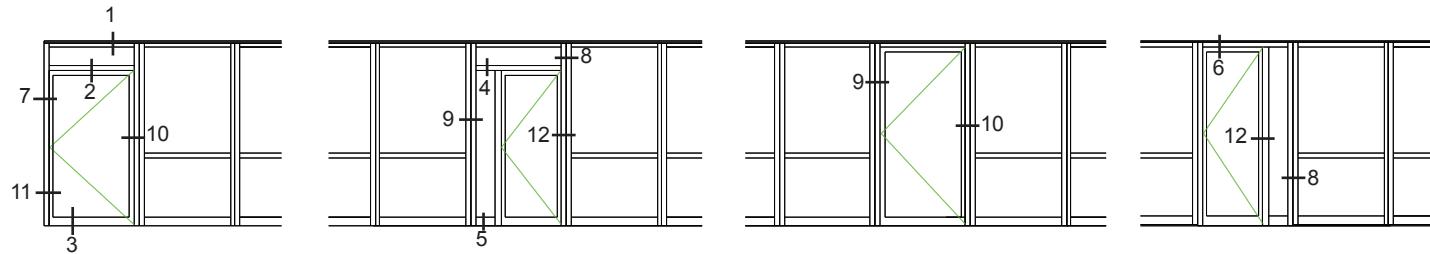
Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

SCALE 3" = 1'-0"

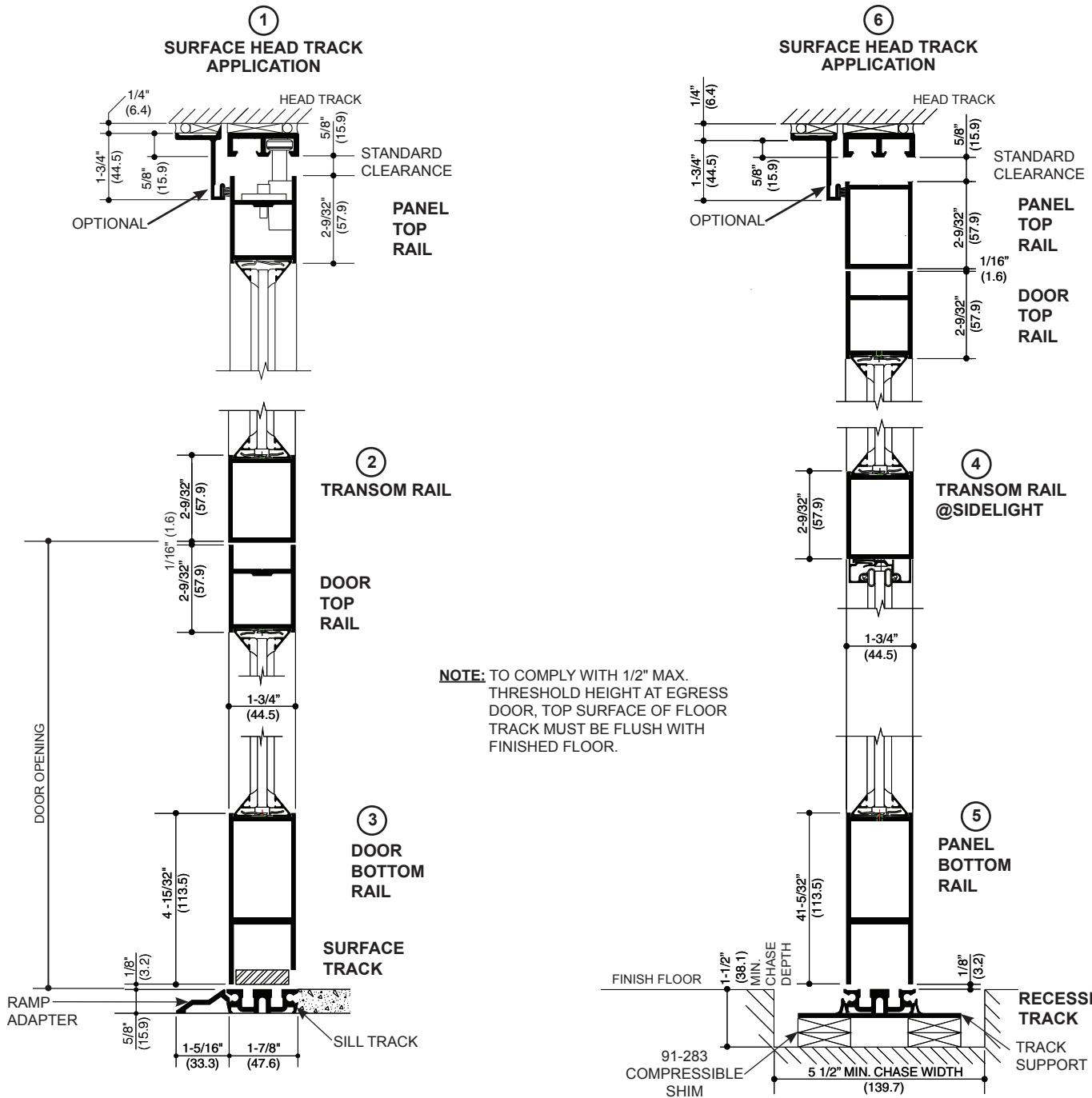


SCALE 3" = 1'-0"

NOTE: REFER TO PAGES 10 AND 11 FOR STANDARD  
1040 SLIDING MALL FRONT DETAILS.



ELEVATIONS ARE NUMBERED KEYED BELOW AND ON PAGE 5.



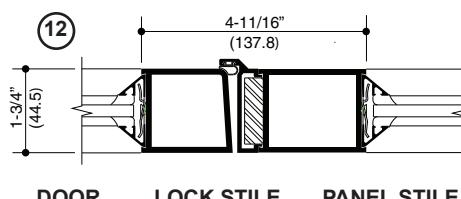
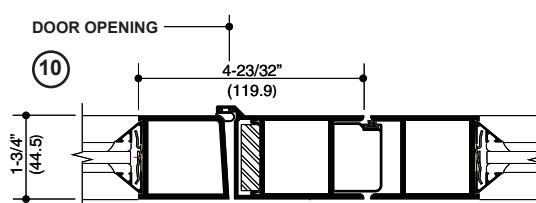
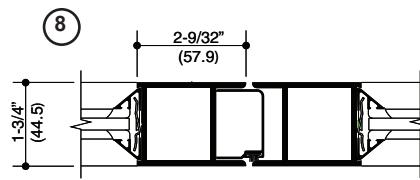
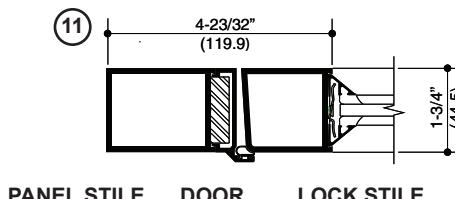
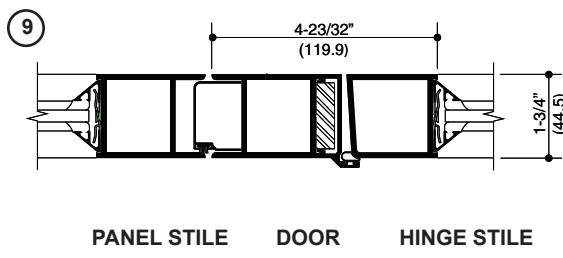
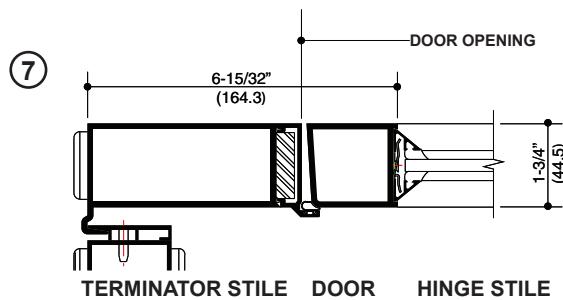
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## SCALE 3" = 1'-0"

ELEVATIONS ARE NUMBER KEYED TO DETAILS



## EGRESS DOOR LIMITATIONS/ HARDWARE

1. Maximum door opening width: (Per Uniform Building Code) 36"(914.4) - (32" (812.8) clear at 90 degrees).
2. Maximum door opening width: 42" (1066.8) (requires sidelight and/or transom for stability).
3. Minimum door opening height: (Per Uniform Building Code) 80" (2032).
4. Maximum door opening height: 90" (2286)
5. Maximum threshold height: (Per uniform Building Code) 1/2" (12.7).
6. Door cannot be hinged off of sidelight.
7. Minimum light opening width of sidelight: 6 1/4" (158.8).
8. Maximum light opening width of sidelight: 18" (457.2).
9. Standard Hardware: Reference Page 16 for hardware information.
  - A. Walking beam top pivot with modified center bottom pivot.
  - B. Adams Rite M.S. 1850 A lock with two (2) cylinders.

10. Optional Hardware:
  - A. Thumturn inside in lieu of cylinder.
  - B. Adams Rite 4510 latchlock with 4656 handle in lieu of A.R.M.S.1850 A.
  - C. Adams Rite 4089 exit indicator.
  - D. Cylinder guard.
  - E. Flush pull in door.

**Note:** When using optional hardware, due to its greater projection, the placement of the exit panel in the stack is critical to prevent interference with adjacent panels.
11. Not available:
  - A. Closers.
  - B. Panic devices.
  - C. Push-pull Hardware.
  - D. Pairs of doors or double sidelighted units.
12. Door is not intended for use by general public.
13. Door is to be locked closed before moving panel.

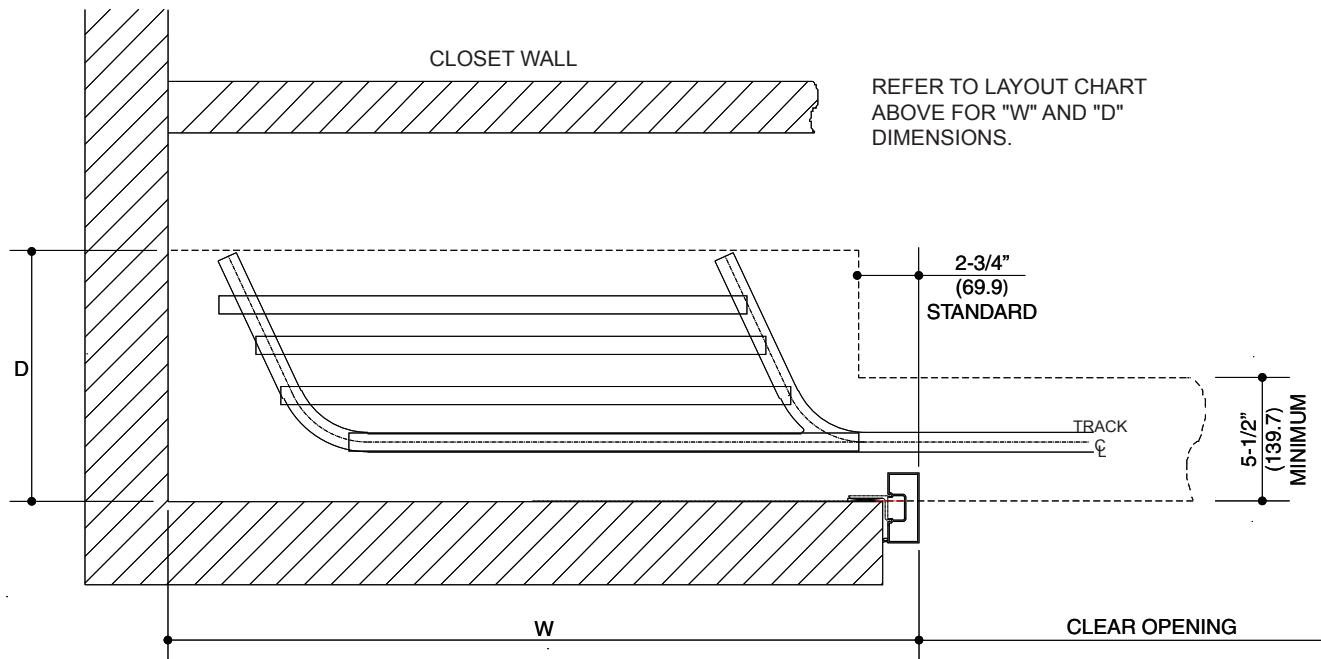
## PARALLEL STAGGERED STACK

## PANEL WIDTH

NO. OF PANELS	2'-6"/3'-0" (762/914) W x D	3'-0"/3'-6" (914/1067) W x D	3'-6"/4'-0" (1067/1219) W x D	4'-0"/4'-6" (1219/1372) W x D	4'-6"/5'-0" (1372/1524) W x D	5'-0"/5'-6" (1524/1676) W x D	5'-6"/6'-0" (1676/1829) W x D	6'-0"/6'-6" (1829/1981) W x D	6'-6"/7'-0" (1981x2134) W x D
3	51-9/16" x 14" (1310 x 356)	57-9/16" x 14" (1462 x 356)	63-9/16" x 14" (1615 x 356)	69-9/16" x 14" (1761 x 356)	75-9/16" x 14" (1919 x 356)	81-9/16" x 14" (2072 x 356)	87-9/16" x 14" (2224 x 356)	93-9/16" x 14" (2377 x 356)	99-9/16" x 14" (2526 x 356)
4	52-1/2" x 16" (1334 x 406)	58-1/2" x 16" (1486 x 406)	64-1/2" x 16" (1638 x 406)	70-1/2" x 16" (1791 x 406)	76-1/2" x 16" (1943 x 406)	82-1/2" x 16" (2096 x 406)	88-1/2" x 16" (2248 x 406)	94-1/2" x 16" (2400 x 406)	100-1/2" x 16" (2553 x 406)
5	53-7/16" x 18" (1357 x 457)	59-7/16" x 18" (1510 x 457)	65-7/16" x 18" (1662 x 457)	71-7/16" x 18" (1815 x 457)	77-7/16" x 18" (1967 x 457)	83-7/16" x 18" (2119 x 457)	89-7/16" x 18" (2272 x 457)	95-7/16" x 18" (2424 x 457)	101-7/16" x 18" (2577 x 457)
6	54-3/8" x 20" (1381 x 508)	60-3/8" x 20" (1534 x 508)	66-3/8" x 20" (1686 x 508)	72-3/8" x 20" (1838 x 508)	78-3/8" x 20" (1991 x 508)	84-3/8" x 20" (2143 x 508)	90-3/8" x 20" (2296 x 508)	96-3/8" x 20" (2448 x 508)	102-3/8" x 20" (2600 x 508)
7	55-5/16" x 22" (1450 x 559)	61-5/16" x 22" (1557 x 559)	67-5/16" x 22" (1710 x 559)	73-5/16" x 22" (1862 x 559)	79-5/16" x 22" (2015 x 559)	85-5/16" x 22" (2167 x 559)	91-5/16" x 22" (2319 x 559)	97-5/16" x 22" (2472 x 559)	103-5/16" x 22" (2624 x 559)
8	56-1/4" x 24" (1429 x 610)	62-1/4" x 24" (1581 x 610)	68-1/4" x 24" (1734 x 610)	74-1/4" x 24" (1886 x 610)	80-1/4" x 24" (2038 x 610)	86-1/4" x 24" (2191 x 610)	92-1/4" x 24" (2343 x 610)	98-1/4" x 24" (2496 x 610)	104-1/4" x 24" (2648 x 610)
9	57-3/16" x 26" (1453 x 660)	63-3/16" x 26" (1605 x 660)	69-3/16" x 26" (1757 x 660)	75-3/16" x 26" (1910 x 660)	81-3/16" x 26" (2062 x 660)	87-3/16" x 26" (2215 x 660)	93-3/16" x 26" (2367 x 660)	99-3/16" x 26" (2519 x 660)	105-3/16" x 26" (2672 x 660)
10	58-1/8" x 28" (1476 x 711)	64-1/8" x 28" (1629 x 711)	70-1/8" x 28" (1781 x 711)	76-1/8" x 28" (1934 x 711)	82-1/8" x 28" (2086 x 711)	88-1/8" x 28" (2238 x 711)	94-1/8" x 28" (2391 x 711)	100-1/8" x 28" (2543 x 711)	106-1/8" x 28" (2596 x 711)

Laws and building and safety codes governing the design and use of glazed entrance, window, 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.

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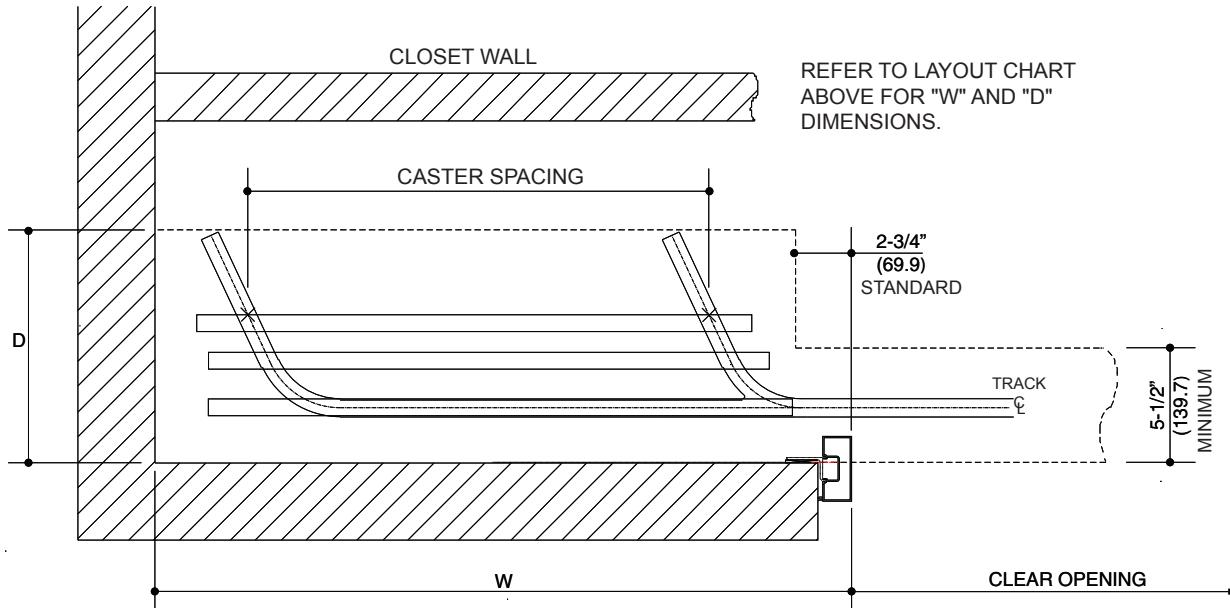


**NOTE:** 1. CHASE AREA MUST BE A MINIMUM OF 1-1/2" (38.1) DEEP.  
2. STACK AREA MUST BE ACCESSIBLE FOR MAINTENANCE AND CLEANING.

## PARALLEL EVEN STACK

NO. OF PANELS	PANEL WIDTH*								
	2'-6" / 3'-0" (762 / 914) W x D	3'-0" / 3'-6" (914 / 1067) W x D	3'-6" / 4'-0" (1067 / 1219) W x D	4'-0" / 4'-6" (1219 / 1372) W x D	4'-6" / 5'-0" (1372 / 1524) W x D	5'-0" / 5'-6" (1524 / 1676) W x D	5'-6" / 6'-0" (1676 / 1829) W x D	6'-0" / 6'-6" (1829 / 1981) W x D	6'-6" / 7'-0" (1981 x 2134) W x D
3	46" x 14" (1186 x 356)	50-11/16" x 14" (1287 x 356)	55-1/4" x 14" (1403 x 356)	61-1/4" x 14" (1556 x 356)	67-1/4" x 14" (1708 x 356)	73-1/4" x 14" (1861 x 356)	79-1/4" x 14" (2013 x 356)	85-1/4" x 14" (2165 x 356)	91-1/4" x 14" (2318 x 356)
4	—	—	55-5/8" x 16" (1413 x 406)	61-1/4" x 16" (1556 x 406)	67-1/4" x 16" (1708 x 406)	73-1/4" x 16" (1861 x 406)	79-1/4" x 16" (2013 x 406)	85-1/4" x 16" (2165 x 406)	91-1/4" x 16" (2318 x 406)
5	—	—	56-9/16" x 18" (1437 x 457)	61-1/4" x 18" (1556 x 457)	67-1/4" x 18" (1708 x 457)	73-1/4" x 18" (1861 x 457)	79-1/4" x 18" (2013 x 508)	85-1/4" x 18" (2165 x 457)	91-1/4" x 18" (2318 x 457)
6	—	—	—	61-1/2" x 20" (1562 x 508)	67-1/4" x 20" (1708 x 508)	73-1/4" x 20" (1861 x 508)	79-1/4" x 20" (2013 x 508)	85-1/4" x 20" (2165 x 508)	91-1/4" x 20" (2318 x 508)
7	—	—	—	62-7/16" x 22" (1586 x 559)	67-1/4" x 22" (1708 x 559)	73-1/4" x 22" (1861 x 559)	79-1/4" x 22" (2013 x 559)	85-1/4" x 22" (2165 x 559)	91-1/4" x 22" (2318 x 559)
8	—	—	—	—	67-3/8" x 24" (1711 x 610)	73-1/4" x 24" (1861 x 610)	79-1/4" x 24" (2013 x 610)	85-1/4" x 24" (2165 x 610)	91-1/4" x 24" (2318 x 610)
9	—	—	—	—	68-5/16" x 26" (1735 x 660)	73-1/4" x 26" (1861 x 660)	79-1/4" x 26" (2013 x 660)	85-1/4" x 26" (2165 x 660)	91-1/4" x 26" (2318 x 660)
10	—	—	—	—	—	73-1/4" x 28" (1861 x 711)	79-1/4" x 28" (2013 x 711)	85-1/4" x 28" (2165 x 711)	91-1/4" x 28" (2318 x 711)

\*THE CASTER SPACING DIMENSION SHOWN BELOW SHOULD BE AT LEAST 1/3 OF THE PANEL HEIGHT. THE CASTER VARIES FROM A PANEL EDGE BY 8-5/6" FOR 3 PANELS AS SHOWN PLUS ABOUT 1" FOR EACH ADDITIONAL PANEL.



**NOTE:**

1. CHASE AREA MUST BE A MINIMUM OF 1-1/2" (38.1) DEEP.
2. STACK AREA MUST BE ACCESSIBLE FOR MAINTENANCE AND CLEANING.
3. MAXIMUM NUMBER OF PANELS FOR THIS STACK AREA DEPENDS UPON PANEL WIDTHS. CONTACT FACTORY REPRESENTATIVE.
4. EDGE PULLS REQUIRED ON LAST TWO PANELS INTO STACK AREA.

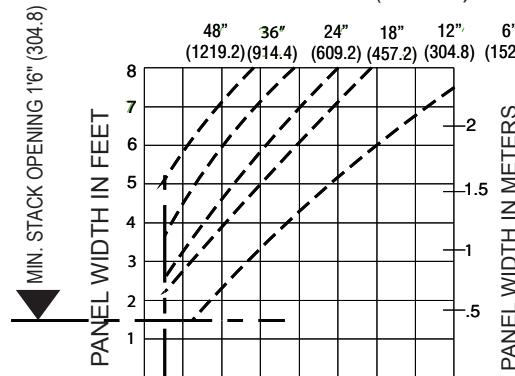
## 90° STACK

## PANEL WIDTH

NO. OF PANELS	2'-6" / 3'-0" (762 / 914) W x D	3'-0" / 3'-6" (914 / 1067) W x D	3'-6" / 4'-0" (1067 / 1219) W x D	4'-0" / 4'-6" (1219 / 1372) W x D	4'-6" / 5'-0" (1372 / 1524) W x D	5'-0" / 5'-6" (1524 / 1676) W x D	5'-6" / 6'-0" (1676 / 1829) W x D	6'-0" / 6'-6" (1829 / 1981) W x D	6'-6" / 7'-0" (1981 x 2134) W x D
3	23-3/8" x 47-3/4" (594 x 1213)	23-3/8" x 53-3/4" (594 x 1365)	23-3/8" x 59-3/4" (594 x 1518)	23-3/8" x 65-3/4" (594 x 1670)	23-3/8" x 71-3/4" (594 x 1822)	23-3/8" x 77-3/4" (594 x 1975)	23-3/8" x 83-3/4" (594 x 2127)	23-3/8" x 89-3/4" (594 x 2280)	23-3/8" x 95-3/4" (594 x 2432)
4	25-3/8" x 48-11/16" (645 x 1237)	25-3/8" x 54-11/16" (645 x 1389)	25-3/8" x 60-11/16" (645 x 1541)	25-3/8" x 66-11/16" (645 x 1694)	25-3/8" x 72-11/16" (645 x 1846)	25-3/8" x 78-11/16" (645 x 1999)	25-3/8" x 84-11/16" (645 x 2151)	25-3/8" x 90-11/16" (645 x 2304)	25-3/8" x 96-11/16" (645 x 2456)
5	27-3/8" x 49-5/8" (695 x 1260)	27-3/8" x 55-5/8" (695 x 1413)	27-3/8" x 61-5/8" (695 x 1565)	27-3/8" x 67-5/8" (695 x 1718)	27-3/8" x 73-5/8" (695 x 1870)	27-3/8" x 79-5/8" (695 x 2022)	27-3/8" x 85-5/8" (695 x 2175)	27-3/8" x 91-5/8" (695 x 2327)	27-3/8" x 97-5/8" (695 x 2480)
6	29-3/8" x 50-9/16" (746 x 1284)	29-3/8" x 56-9/16" (746 x 1437)	29-3/8" x 62-9/16" (746 x 1589)	29-3/8" x 68-9/16" (746 x 1741)	29-3/8" x 74-9/16" (746 x 1894)	29-3/8" x 80-9/16" (746 x 2046)	29-3/8" x 86-9/16" (746 x 2199)	29-3/8" x 92-9/16" (746 x 2351)	29-3/8" x 98-5/16" (746 x 2503)
7	31-3/8" x 51-1/2" (797 x 1308)	31-3/8" x 57-1/2" (797 x 1461)	31-3/8" x 63-1/2" (797 x 1613)	31-3/8" x 69-1/2" (797 x 1765)	31-3/8" x 75-1/2" (797 x 1918)	31-3/8" x 81-1/2" (797 x 2070)	31-3/8" x 87-1/2" (797 x 2223)	31-3/8" x 93-1/2" (797 x 2375)	31-3/8" x 99-1/2" (797 x 2527)
8	33-3/8" x 52-7/16" (848 x 1332)	33-3/8" x 58-7/16" (848 x 1484)	33-3/8" x 64-7/16" (848 x 1637)	33-3/8" x 70-7/16" (848 x 1789)	33-3/8" x 76-7/16" (848 x 1942)	33-3/8" x 82-7/16" (848 x 2094)	33-3/8" x 88-7/16" (848 x 2246)	33-3/8" x 94-7/16" (848 x 2399)	33-3/8" x 100-7/16" (848 x 2551)
9	35-3/8" x 53-3/8" (899 x 1356)	35-3/8" x 59-3/8" (899 x 1508)	35-3/8" x 65-3/8" (899 x 1661)	35-3/8" x 71-3/8" (899 x 1813)	35-3/8" x 77-3/8" (899 x 1965)	35-3/8" x 83-3/8" (899 x 2118)	35-3/8" x 89-3/8" (899 x 2270)	35-3/8" x 95-3/8" (899 x 2423)	35-3/8" x 101-3/8" (899 x 2579)
10	37-3/8" x 54-3/8" (949 x 1380)	37-3/8" x 60-5/16" (949 x 1532)	37-3/8" x 66-5/16" (949 x 1684)	37-3/8" x 72-5/16" (949 x 1837)	37-3/8" x 78-5/16" (949 x 1989)	37-3/8" x 84-5/16" (949 x 2142)	37-3/8" x 90-5/16" (949 x 2294)	37-3/8" x 96-5/16" (949 x 2246)	37-3/8" x 102-5/16" (949 x 2599)

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## TRACK CLEARANCE (DIM. C.)

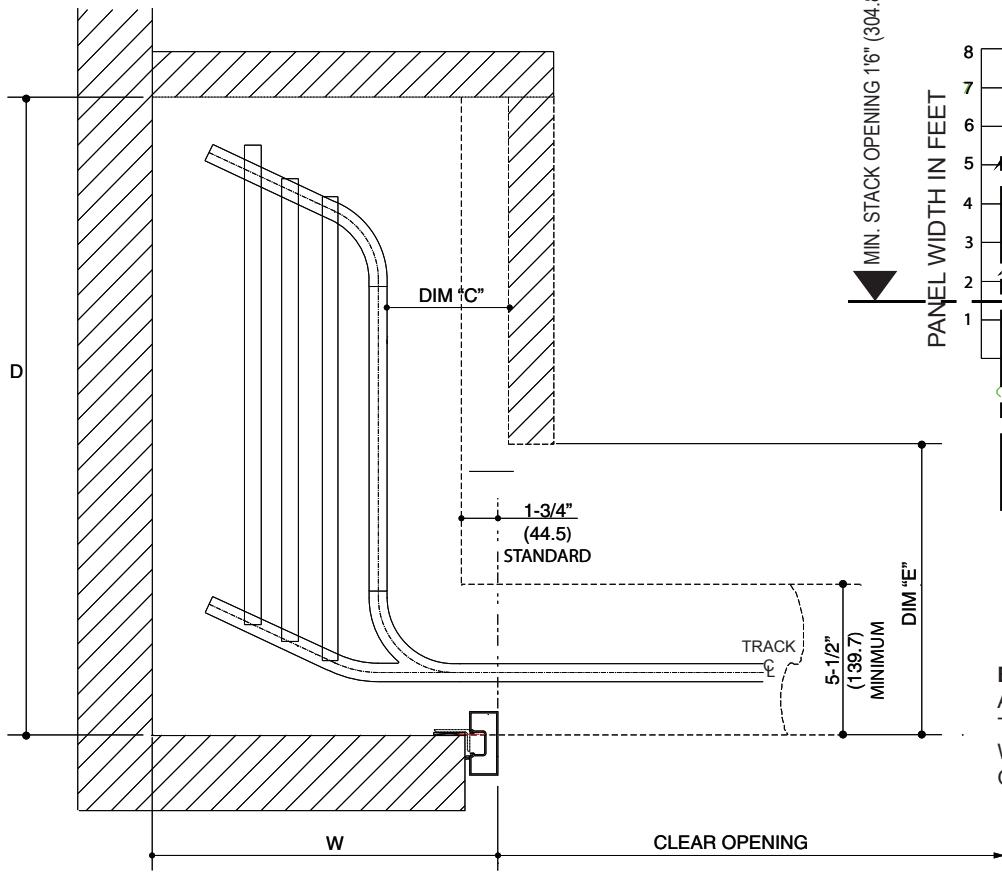


## STACK OPENING (DIM. E.)

MIN. STACK OPENING 6" (152.4)

## EXAMPLE:

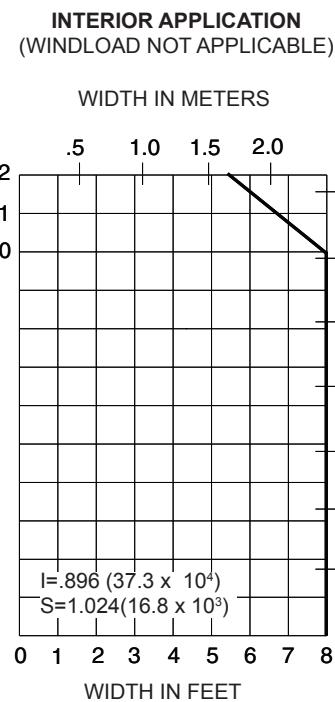
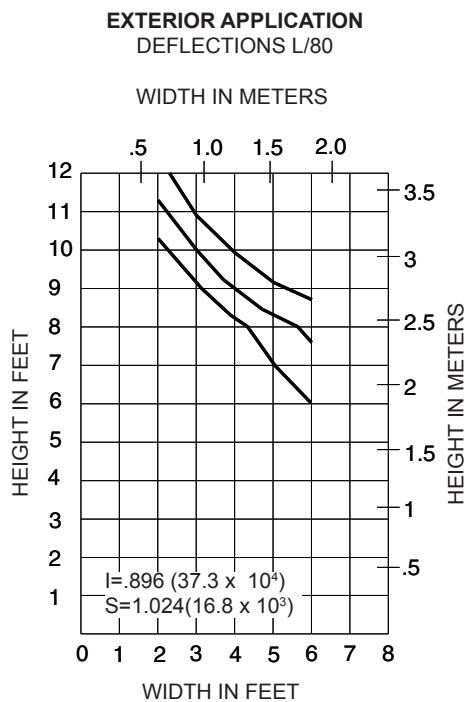
A 5' PANEL WIDTH WITH AN 18" TRACK CLEARANCE (DIM. C) WOULD REQUIRE A 30" STACK OPENING (DIM. "E").



**NOTE:** 1. CHASE AREA MUST BE A MINIMUM OF 1-1/2" (38.1) DEEP.  
2. STACK AREA MUST BE ACCESSIBLE FOR MAINTENANCE AND CLEANING.

Mullions are designed for 1/80 deflection ratio. These curves are for mullions WITH and WITHOUT 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) STEEL 26,666 P.S.I. (194 MPa). Charted curves in all cases are for the limiting value. For special situations not covered by the curves, contact your Kawneer representative for additional information.

## MAXIMUM PANEL SIZE LIMITATIONS



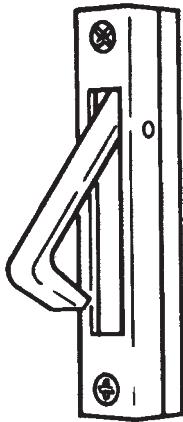
**NOTE:** 1. PANEL WIDTHS (CATER SPACING) SHOULD BE AT LEAST 1/3 OF PANEL HEIGHT FOR ROLLING STABILITY, THE MAJOR EXCEPTION TO THIS RULE IS THE PARALLEL EVEN STACK LAYOUT. (SEE \*NOTE IN THE MIDDLE OF PAGE 7 FOR CASTOR SPACING AND PANEL HEIGHT.)  
2. ON PANELS OVER 10' IN HEIGHT AN INTERMEDIATE HORIZONTAL MOUNTING IS RECOMMENDED.

## GENERAL INFORMATION

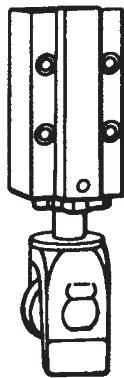
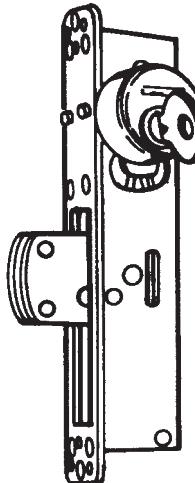
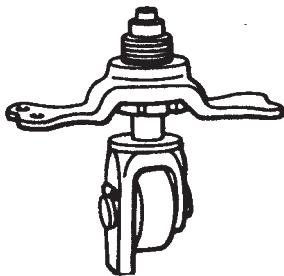
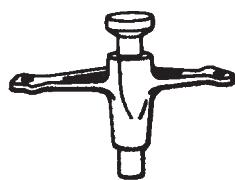
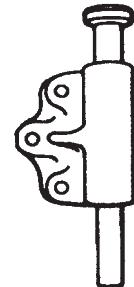
**GENERAL DESCRIPTION:** THE "1040" SLIDING FRONT CONSISTS OF SINGLE TRACKAGE WITH MULTIPLE STACKING OPTIONS FOR INTERIOR OR EXTERIOR APPLICATIONS. IT IS IDEALLY SUITED FOR THE FOLLOWING COMMERCIAL APPLICATIONS:

- ENCLOSED SHOPPING MALLS
- EXTERIOR MOVEABLE WALLS
- AUTOMOBILE SHOWROOMS
- SLIDING ROOM DIVIDERS
- EDUCATIONAL MOVEABLE PARTITIONS
- INSTITUTIONAL SLIDING DOORS

## 1040 HARDWARE



EDGE PULL

OUTBOARD  
RECESSED  
CASTERFACE PULL  
(OPTIONAL)MS 1850A  
LOCKINBOARD  
CASTERINBOARD  
HEAD  
GUIDEOUTBOARD  
RECESSED  
HEAD GUIDE

REFER TO HARDWARE SECTION FOR INFORMATION  
ON ADAMS RITE 4510 LATCHLOCK, 4560 LEVER HANDLE AND  
4089 EXIT INDICATOR USED OPTIONALLY ON THE EGRESS DOOR.

Laws and building and safety codes governing the design and use of glazed entrance, window, 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.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

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