



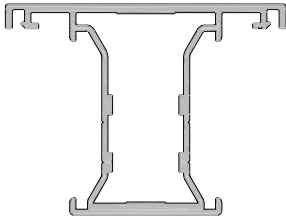
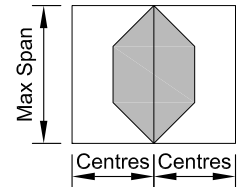
HINGED DOOR SPAN TABLES

CAD REF. VHDST01-0

DATE
01.04.19

SCALE
1:2

Extrusion: 05483 Description: Sidelight Mullion

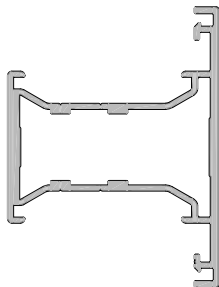
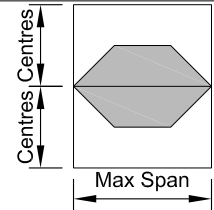


| Centres | Spans for each wind zone | | | | |
|---------|--------------------------|--------|------|-----------|------------|
| | Low | Medium | High | Very High | Extra High |
| 900/300 | 2785 | 2536 | 2260 | 2083 | 1959 |
| 900/400 | 2712 | 2470 | 2202 | 2029 | 1908 |
| 900/500 | 2647 | 2411 | 2150 | 1982 | 1864 |
| 900/600 | 2590 | 2359 | 2104 | 1940 | 1825 |
| 900/700 | 2538 | 2312 | 2063 | 1903 | 1791 |
| 900/800 | 2492 | 2271 | 2028 | 1870 | 1762 |
| 900/900 | 2450 | 2235 | 1996 | 1843 | 1736 |

Note:

Open In doors do not meet the water pass requirements for an Extra High Zone so only Open out can be used

Extrusion: 05483 Description: Overlight Transom

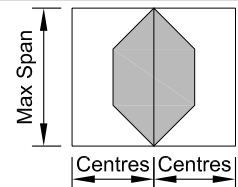


| Centres | Spans for each wind zone | | | | |
|----------|--------------------------|--------|------|-----------|------------|
| | Low | Medium | High | Very High | Extra High |
| 2000/500 | 2343 | 2161 | 1963 | 1834 | 1741 |
| 2100/500 | 2336 | 2159 | 1963 | 1834 | 1741 |
| 2200/500 | 2332 | 2158 | 1963 | 1834 | 1741 |
| 2300/500 | 2330 | 2158 | 1963 | 1834 | 1741 |
| 2400/500 | 2330 | 2158 | 1963 | 1834 | 1741 |

Note:

Open In doors do not meet the water pass requirements for an Extra High Zone so only Open out can be used

Extrusion: 02498/02499 Description: French Door Stiles



| Centres | Spans for each wind zone | | | | |
|---------|--------------------------|--------|------|-----------|------------|
| | Low | Medium | High | Very High | Extra High |
| 500 | 3152 | 2866 | 2548 | 2344 | 2200 |
| 600 | 2972 | 2703 | 2406 | 2214 | 2079 |
| 700 | 2831 | 2576 | 2295 | 2114 | 1986 |
| 800 | 2717 | 2475 | 2206 | 2034 | 1913 |
| 900 | 2624 | 2391 | 2135 | 1970 | 1855 |

Note:

Maximum Panel Height = 2400mm
 Maximum Panel Width = 900mm
 Maximum Panel Weight = 60kg For 3 hinges, 80kg for 4 hinges. All DG panels to have 4 hinges.
 Open In doors do not meet the water pass requirements for an Extra High Zone so only Open out can be used

Spans are the maximum calculated allowable, based on NZS4211:2008, which requires that the member deflection at serviceability wind pressure (SWP) shall not exceed 1/200 of the span. Hardware and componentry may further restrict the spans. For advice we recommend you contact APL Technical Advisory Service



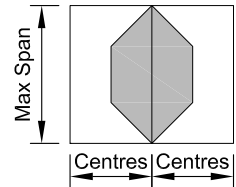
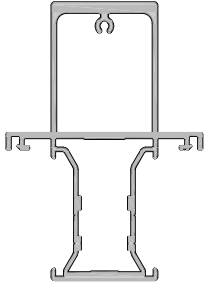
HINGED DOOR SPAN TABLES

CAD REF. VHDST02-0

DATE
01.04.19

SCALE
1:2

Extrusion: 05484 Description: Mullion

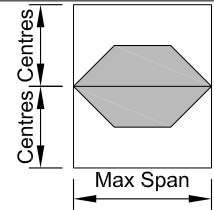
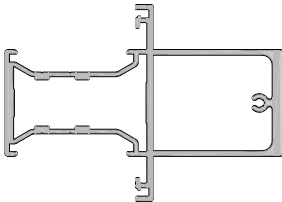


| Centres | Spans for each wind zone | | | | |
|---------|--------------------------|--------|-------|-----------|------------|
| | Low | Medium | High | Very High | Extra High |
| 900/300 | 4516* | 4107* | 3653* | 3361 | 3156 |
| 900/400 | 4398* | 3999* | 3558 | 3273 | 3073 |
| 900/500 | 4292* | 3903* | 3472 | 3195 | 2999 |
| 900/600 | 4195* | 3816* | 3395 | 3124 | 2933 |
| 900/700 | 4109* | 3737* | 3325 | 3060 | 2874 |
| 900/800 | 4029* | 3665* | 3262 | 3003 | 2794 |
| 900/900 | 3957* | 3600 | 3205 | 2951 | 2722 |

Note:

Open In doors do not meet the water pass requirements for an Extra High Zone so only Open out can be used

Extrusion: 05484 Description: Transom

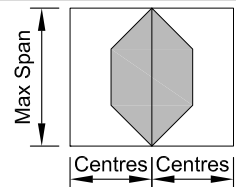


| Centres | Spans for each wind zone | | | | |
|----------|--------------------------|--------|------|-----------|------------|
| | Low | Medium | High | Very High | Extra High |
| 2000/500 | 3641* | 3330 | 2988 | 2703 | 2495 |
| 2100/500 | 3610* | 3304 | 2968 | 2681 | 2479 |
| 2200/500 | 3582 | 3282 | 2952 | 2663 | 2468 |
| 2300/500 | 3557 | 3262 | 2938 | 2649 | 2460 |
| 2400/500 | 3534 | 3244 | 2923 | 2639 | 2457 |

Note:

Open In doors do not meet the water pass requirements for an Extra High Zone so only Open out can be used

Extrusion: 02472/02473 Description: Wide French Door Stiles



| Centres | Spans for each wind zone | | | | |
|---------|--------------------------|--------|------|-----------|------------|
| | Low | Medium | High | Very High | Extra High |
| 500 | 3383 | 3075 | 2734 | 2515 | 2360 |
| 600 | 3189 | 2900 | 2580 | 2374 | 2230 |
| 700 | 3037 | 2763 | 2460 | 2265 | 2128 |
| 800 | 2913 | 2652 | 2364 | 2178 | 2048 |
| 900 | 2811 | 2562 | 2285 | 2108 | 1984 |

Note:

Maximum Panel Height = 2400mm
 Maximum Panel Width = 900mm
 Maximum Panel Weight = 60kg For 3 hinges, 80kg for 4 hinges. All DG panels to have 4 hinges.
 Open In doors do not meet the water pass requirements for an Extra High Zone so only Open out can be used

Spans are the maximum calculated allowable, based on NZS4211:2008, which requires that the member deflection at serviceability wind pressure (SWP) shall not exceed 1/200 of the span. Hardware and componentry may further restrict the spans. Spans with asterisk will meet code requirements but will have max deflection greater than 18mm. For advice we recommend you contact APL Technical Advisory Service



HINGED DOOR

SPAN TABLES

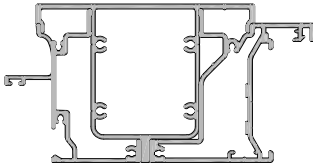
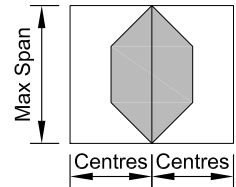
CAD REF. VHDST03-0

DATE
01.04.19

SCALE
1:2

Extrusion: 05145/05410/05401

Description: Coupled Sidelight



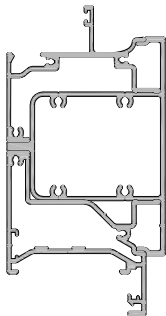
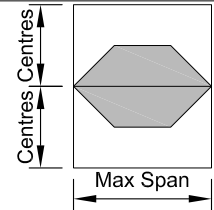
| Centres | Spans for each wind zone | | | | |
|---------|--------------------------|--------|------|-----------|------------|
| | Low | Medium | High | Very High | Extra High |
| 900/300 | 3721* | 3385 | 3013 | 2773 | 2773 |
| 900/400 | 3623* | 3296 | 2934 | 2701 | 2701 |
| 900/500 | 3536 | 3217 | 2864 | 2636 | 2636 |
| 900/600 | 3457 | 3146 | 2801 | 2579 | 2579 |
| 900/700 | 3386 | 3082 | 2744 | 2527 | 2527 |
| 900/800 | 3321 | 3024 | 2694 | 2481 | 2481 |
| 900/900 | 3264 | 2972 | 2648 | 2440 | 2440 |

Note:

Open In doors do not meet the water pass requirements for an Extra High Zone so only Open out can be used

Extrusion: 05145/05410/05401

Description: Coupled Overlight



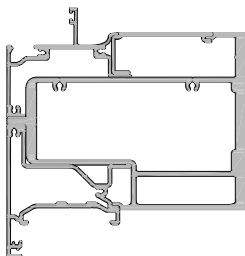
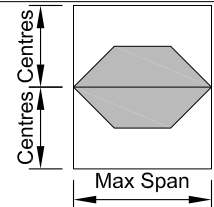
| Centres | Spans for each wind zone | | | | |
|----------|--------------------------|--------|------|-----------|------------|
| | Low | Medium | High | Very High | Extra High |
| 2000/500 | 3039 | 2787 | 2510 | 2334 | 2211 |
| 2100/500 | 3018 | 2771 | 2500 | 2328 | 2208 |
| 2200/500 | 3000 | 2758 | 2493 | 2324 | 2206 |
| 2300/500 | 2985 | 2748 | 2488 | 2322 | 2206 |
| 2400/500 | 2973 | 2740 | 2485 | 2322 | 2206 |

Note:

Open In doors do not meet the water pass requirements for an Extra High Zone so only Open out can be used

Extrusion: 05145/05413/05401

Description: Heavy Duty Coupled Overlight



| Centres | Spans for each wind zone | | | | |
|----------|--------------------------|--------|-------|-----------|------------|
| | Low | Medium | High | Very High | Extra High |
| 2000/500 | 4892* | 4461* | 3986* | 3681* | 3438 |
| 2100/500 | 4841* | 4417* | 3949* | 3649* | 3395 |
| 2200/500 | 4793* | 4376* | 3915* | 3620* | 3357 |
| 2300/500 | 4749* | 4338* | 3884* | 3594 | 3324 |
| 2400/500 | 4708* | 4303* | 3857* | 3571 | 3295 |

Note:

Open In doors do not meet the water pass requirements for an Extra High Zone so only Open out can be used

Spans are the maximum calculated allowable, based on NZS4211:2008, which requires that the member deflection at serviceability wind pressure (SWP) shall not exceed 1/200 of the span. Hardware and componentry may further restrict the spans. Spans with asterix will meet code requirements but will have max deflection greater than 18mm. For advice we recommend you contact APL Technical Advisory Service