

# 2011 WERS Certified Products Directory - AFRC

## NOTES

1. Uw is the whole window U-value
2. SHGCw is the whole window solar heat gain coefficient
3. Twv is the whole window visible (light) transmittance
4. Percentage improvement figures are compared with using base-case Generic Window 1 (3mm clear in standard aluminium frame)
5. A negative percentage improvement figure indicates performance worse than the base-case window
6. A positive percentage improvement figure indicates performance better than the base-case window
7. Maximum air infiltration is 5.0L/s.m2 at a positive pressure difference of 75 Pa as measured according to AS 2047
8. Static performance (Uw SHGCw Twv Tdw) calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003
9. Annual energy performance (stars and % improvements) calculated using Nationwide House Energy Rating Software (AccuRate) according to procedures of WERS 2008.
10. Results disclosed at National Fenestration Rating Council (NFRC) regulations.



| Hanlon Windows   |             |               |               |  |  |  | Cool % | Heat % | Total Window - NFRC |      |      |          |
|--|-------------|---------------|---------------|--|--|--|--------|--------|---------------------|------|------|----------|
| Updated - 16-Apr-11  |             |               |               |  |  |  |        |        | Uw                  | SHGC | Twv  | Air Inf. |
| Window ID  | Glazing     | Cooling Stars | Heating Stars |  |  |  |        |        |                     |      |      |          |
| <b>RESIDENTIAL SERIES 502/504 SLIDING WINDOW - SINGLE GLAZED</b> |             |               |               |  |  |  |        |        |                     |      |      |          |
| AWS-001-01   | 3Clr        | ☆             | ☆☆☆           |  |  |  | 12%    | 15%    | 6.4                 | 0.73 | 0.75 | 2.91     |
| AWS-001-02   | 5Clr        | ☆             | ☆☆☆           |  |  |  | 13%    | 14%    | 6.4                 | 0.72 | 0.75 | 2.91     |
| AWS-001-03   | 5SG         | ☆☆            | ☆☆☆           |  |  |  | 33%    | 4%     | 6.4                 | 0.50 | 0.62 | 2.91     |
| AWS-001-04   | 5Gy         | ☆☆☆           | ☆☆☆           |  |  |  | 31%    | 6%     | 6.4                 | 0.53 | 0.42 | 2.91     |
| AWS-001-05   | 6.38CP      | ☆☆☆☆          | ☆☆☆☆          |  |  |  | 46%    | 26%    | 4.6                 | 0.44 | 0.50 | 2.91     |
| AWS-001-06   | 6.38VLam    | ☆☆            | ☆☆☆           |  |  |  | 17%    | 14%    | 6.3                 | 0.68 | 0.75 | 2.91     |
| AWS-001-07   | 6.38Sct     | ☆☆            | ☆☆☆☆☆         |  |  |  | 35%    | 33%    | 4.6                 | 0.58 | 0.69 | 2.91     |
| AWS-001-08   | 4SnClr      | ☆☆            | ☆☆☆☆          |  |  |  | 38%    | 25%    | 5.0                 | 0.52 | 0.58 | 2.91     |
| AWS-001-09   | 6SnClr      | ☆☆☆☆☆         | ☆☆☆☆          |  |  |  | 39%    | 25%    | 4.9                 | 0.51 | 0.57 | 2.91     |
| AWS-001-10   | 6EVanBG     | ☆☆☆☆          | ☆☆☆☆          |  |  |  | 49%    | 22%    | 4.7                 | 0.39 | 0.48 | 2.91     |
| AWS-001-11   | 6EVanClr    | ☆☆☆☆☆         | ☆☆☆☆☆         |  |  |  | 38%    | 29%    | 4.7                 | 0.54 | 0.56 | 2.91     |
| AWS-001-12   | 6EVanGy     | ☆☆☆☆☆         | ☆☆☆☆☆         |  |  |  | 51%    | 20%    | 4.7                 | 0.36 | 0.27 | 2.91     |
| AWS-001-13   | 6EVanSpB    | ☆☆☆☆☆         | ☆☆☆☆☆         |  |  |  | 54%    | 17%    | 4.7                 | 0.32 | 0.33 | 2.91     |
| AWS-001-14   | 6EVanSpGn   | ☆☆☆☆☆         | ☆☆☆☆☆         |  |  |  | 54%    | 17%    | 4.7                 | 0.32 | 0.40 | 2.91     |
| AWS-001-15   | 6.38VLamGy  | ☆☆☆☆          |               |  |  |  | 47%    | -4%    | 6.3                 | 0.31 | 0.11 | 2.91     |
| AWS-001-16   | 6.38TLam    | ☆☆☆☆☆         |               |  |  |  | 44%    | -2%    | 6.3                 | 0.35 | 0.28 | 2.91     |
| AWS-001-17   | 6.38SnClr   | ☆☆☆☆☆         | ☆☆☆☆          |  |  |  | 40%    | 25%    | 4.9                 | 0.50 | 0.57 | 2.91     |
| AWS-001-18   | 6.38SnGy    | ☆☆☆☆          | ☆☆☆☆          |  |  |  | 49%    | 19%    | 4.9                 | 0.38 | 0.27 | 2.91     |
| AWS-001-19   | 6.38CPClr   | ☆☆            | ☆☆☆☆☆         |  |  |  | 35%    | 34%    | 4.5                 | 0.59 | 0.69 | 2.91     |
| AWS-001-20   | 6.38CPGn    | ☆☆☆☆          | ☆☆☆☆          |  |  |  | 47%    | 26%    | 4.5                 | 0.44 | 0.60 | 2.91     |
| AWS-001-21   | 6.38CPGy    | ☆☆☆☆          | ☆☆☆☆          |  |  |  | 47%    | 26%    | 4.5                 | 0.43 | 0.33 | 2.91     |
| <b>RESIDENTIAL SERIES 502/504 SLIDING WINDOW - DOUBLE GLAZED</b> |             |               |               |  |  |  |        |        |                     |      |      |          |
| AWS-003-01   | 4/10/4      | ☆☆            | ☆☆☆☆          |  |  |  | 37%    | 37%    | 4.2                 | 0.58 | 0.61 | 2.91     |
| AWS-003-02   | 4Az/10/4ET  | ☆☆☆☆          | ☆☆☆☆☆         |  |  |  | 59%    | 30%    | 3.7                 | 0.32 | 0.47 | 2.91     |
| AWS-003-03   | 4/10Ar/4ET  | ☆☆☆☆☆         | ☆☆☆☆☆         |  |  |  | 44%    | 45%    | 3.4                 | 0.55 | 0.56 | 2.91     |
| AWS-003-04   | 4/10/4ET    | ☆☆☆☆☆         | ☆☆☆☆☆         |  |  |  | 43%    | 42%    | 3.7                 | 0.54 | 0.56 | 2.91     |
| AWS-003-05   | 5/8/5       | ☆☆            | ☆☆☆☆          |  |  |  | 38%    | 35%    | 4.3                 | 0.57 | 0.61 | 2.91     |
| AWS-003-06   | 5SG/8Ar/5ET | ☆☆☆☆          | ☆☆☆☆☆         |  |  |  | 59%    | 31%    | 3.6                 | 0.33 | 0.46 | 2.91     |

|            |                                 |         |           |     |     |     |      |      |      |
|------------|---------------------------------|---------|-----------|-----|-----|-----|------|------|------|
| AWS-003-07 | <a href="#">3SG/12/3</a>        | ★ ★ ★ ☆ | ★ ★ ★ ☆   | 50% | 29% | 4.2 | 0.41 | 0.53 | 2.91 |
| AWS-003-08 | <a href="#">3/12Ar/3ET</a>      | ★ ★ ☆   | ★ ★ ★ ☆ ☆ | 43% | 46% | 3.4 | 0.56 | 0.57 | 2.91 |
| AWS-003-09 | <a href="#">4SnClr/10/4</a>     | ★ ★ ★ ☆ | ★ ★ ★ ☆   | 51% | 34% | 3.8 | 0.42 | 0.47 | 2.91 |
| AWS-003-10 | <a href="#">4SnClr/10Ar/4</a>   | ★ ★ ★ ☆ | ★ ★ ★ ★   | 52% | 36% | 3.6 | 0.42 | 0.47 | 2.91 |
| AWS-003-11 | <a href="#">6.38CPClr/8/4</a>   | ★ ★ ★   | ★ ★ ★ ★   | 47% | 37% | 3.8 | 0.48 | 0.57 | 2.91 |
| AWS-003-12 | <a href="#">6.38CPClr/8Ar/4</a> | ★ ★ ★   | ★ ★ ★ ★   | 48% | 40% | 3.5 | 0.48 | 0.57 | 2.91 |
| AWS-003-13 | <a href="#">6.38CPGy/8/4</a>    | ★ ★ ★ ★ | ★ ★ ★ ☆   | 57% | 30% | 3.8 | 0.34 | 0.27 | 2.91 |
| AWS-003-14 | <a href="#">6.38CPGy/8Ar/4</a>  | ★ ★ ★ ★ | ★ ★ ★ ☆   | 58% | 32% | 3.6 | 0.34 | 0.27 | 2.91 |

**RESIDENTIAL SERIES 514 DOUBLE HUNG - SINGLE GLAZED**

|            |                           |         |         |     |     |     |      |      |      |
|------------|---------------------------|---------|---------|-----|-----|-----|------|------|------|
| AWS-005-01 | <a href="#">3Clr</a>      | ☆       | ★ ★ ☆   | 12% | 20% | 6.2 | 0.74 | 0.76 | 0.96 |
| AWS-005-02 | <a href="#">5Clr</a>      | ☆       | ★ ★ ☆   | 15% | 20% | 6.2 | 0.71 | 0.75 | 0.96 |
| AWS-005-03 | <a href="#">5SG</a>       | ★ ★     | ★ ★     | 35% | 10% | 6.2 | 0.50 | 0.62 | 0.96 |
| AWS-005-04 | <a href="#">5Gy</a>       | ★ ★     | ★ ★     | 32% | 12% | 6.2 | 0.53 | 0.42 | 0.96 |
| AWS-005-05 | <a href="#">6.38VLam</a>  | ★       | ★ ★ ☆   | 19% | 20% | 6.1 | 0.68 | 0.75 | 0.96 |
| AWS-005-06 | <a href="#">6.38Sct</a>   | ★ ★     | ★ ★ ★ ★ | 37% | 38% | 4.3 | 0.58 | 0.69 | 0.96 |
| AWS-005-07 | <a href="#">6.38CP</a>    | ★ ★ ★   | ★ ★ ★ ☆ | 48% | 31% | 4.3 | 0.44 | 0.50 | 0.96 |
| AWS-005-08 | <a href="#">4SnClr</a>    | ★ ★ ☆   | ★ ★ ★ ☆ | 39% | 30% | 4.8 | 0.52 | 0.58 | 0.96 |
| AWS-005-09 | <a href="#">6SnClr</a>    | ★ ★ ☆   | ★ ★ ★ ☆ | 40% | 30% | 4.7 | 0.51 | 0.57 | 0.96 |
| AWS-005-10 | <a href="#">6EVanBG</a>   | ★ ★ ★ ☆ | ★ ★ ★   | 50% | 26% | 4.5 | 0.39 | 0.48 | 0.96 |
| AWS-005-11 | <a href="#">6EVanClr</a>  | ★ ★ ☆   | ★ ★ ★ ☆ | 40% | 34% | 4.5 | 0.54 | 0.56 | 0.96 |
| AWS-005-12 | <a href="#">6EVanGy</a>   | ★ ★ ★ ☆ | ★ ★ ★   | 53% | 24% | 4.5 | 0.35 | 0.27 | 0.96 |
| AWS-005-13 | <a href="#">6EVanSpB</a>  | ★ ★ ★ ★ | ★ ★ ★   | 56% | 22% | 4.5 | 0.31 | 0.33 | 0.96 |
| AWS-005-14 | <a href="#">6EVanSpGn</a> | ★ ★ ★ ★ | ★ ★ ★   | 55% | 22% | 4.5 | 0.31 | 0.40 | 0.96 |
| AWS-005-15 | <a href="#">6.38LamGy</a> | ★ ★ ★   | ★ ☆     | 48% | 0%  | 6.1 | 0.31 | 0.11 | 0.96 |
| AWS-005-16 | <a href="#">6.38TLam</a>  | ★ ★ ★   | ★ ☆     | 45% | 3%  | 6.1 | 0.35 | 0.28 | 0.96 |
| AWS-005-17 | <a href="#">6.38SnClr</a> | ★ ★ ☆   | ★ ★ ★ ☆ | 42% | 30% | 4.6 | 0.50 | 0.57 | 0.96 |
| AWS-005-18 | <a href="#">6.38SnGy</a>  | ★ ★ ★ ☆ | ★ ★ ★   | 51% | 23% | 4.6 | 0.38 | 0.27 | 0.96 |
| AWS-005-19 | <a href="#">6.38CPClr</a> | ★ ★     | ★ ★ ★ ★ | 36% | 39% | 4.3 | 0.59 | 0.69 | 0.96 |
| AWS-005-20 | <a href="#">6.38CPGn</a>  | ★ ★ ★   | ★ ★ ★ ☆ | 48% | 31% | 4.3 | 0.43 | 0.60 | 0.96 |
| AWS-005-21 | <a href="#">6.38CPGy</a>  | ★ ★ ★   | ★ ★ ★ ☆ | 49% | 31% | 4.3 | 0.43 | 0.33 | 0.96 |

**RESIDENTIAL SERIES 516 AWNING WINDOW- SINGLE GLAZED**

|            |                          |       |           |     |     |     |      |      |      |
|------------|--------------------------|-------|-----------|-----|-----|-----|------|------|------|
| AWS-007-01 | <a href="#">3Clr</a>     | ★     | ★ ★ ★ ☆   | 18% | 31% | 6.6 | 0.66 | 0.66 | 0.06 |
| AWS-007-02 | <a href="#">5Clr</a>     | ★     | ★ ★ ★ ☆   | 21% | 31% | 6.6 | 0.64 | 0.65 | 0.06 |
| AWS-007-03 | <a href="#">5SG</a>      | ★ ★   | ★ ★ ★     | 36% | 23% | 6.6 | 0.45 | 0.54 | 0.06 |
| AWS-007-04 | <a href="#">5Gy</a>      | ★ ★   | ★ ★ ★     | 34% | 24% | 6.6 | 0.48 | 0.37 | 0.06 |
| AWS-007-05 | <a href="#">6.38VLam</a> | ★ ☆   | ★ ★ ★ ☆   | 24% | 31% | 6.5 | 0.61 | 0.65 | 0.06 |
| AWS-007-06 | <a href="#">6.38Sct</a>  | ★ ★   | ★ ★ ★ ☆ ☆ | 38% | 47% | 5.0 | 0.53 | 0.60 | 0.06 |
| AWS-007-07 | <a href="#">6.38CP</a>   | ★ ★ ★ | ★ ★ ★ ★   | 47% | 41% | 5.0 | 0.41 | 0.43 | 0.06 |
| AWS-007-08 | <a href="#">4SnClr</a>   | ★ ★ ☆ | ★ ★ ★ ★   | 40% | 39% | 5.4 | 0.48 | 0.50 | 0.06 |
| AWS-007-09 | <a href="#">6SnClr</a>   | ★ ★ ☆ | ★ ★ ★ ★   | 41% | 40% | 5.4 | 0.47 | 0.50 | 0.06 |
| AWS-007-10 | <a href="#">6EVanBG</a>  | ★ ★ ★ | ★ ★ ★ ★   | 49% | 37% | 5.2 | 0.36 | 0.42 | 0.06 |
| AWS-007-11 | <a href="#">6EVanClr</a> | ★ ★ ☆ | ★ ★ ★ ☆ ☆ | 40% | 43% | 5.2 | 0.48 | 0.49 | 0.06 |

|  |                                 |         |             |     |     |     |      |      |      |
|--|---------------------------------|---------|-------------|-----|-----|-----|------|------|------|
| AWS-007-12   | <a href="#">6EVanGy</a>         | ★ ★ ★ ☆ | ★ ★ ★ ★     | 51% | 35% | 5.2 | 0.33 | 0.24 | 0.06 |
| AWS-007-13   | <a href="#">6EVanSpB</a>        | ★ ★ ★ ☆ | ★ ★ ★ ☆     | 53% | 33% | 5.2 | 0.30 | 0.29 | 0.06 |
| AWS-007-14   | <a href="#">6EVanSpGn</a>       | ★ ★ ★ ☆ | ★ ★ ★ ☆     | 53% | 33% | 5.2 | 0.30 | 0.35 | 0.06 |
| AWS-007-15   | <a href="#">6.38LamGy</a>       | ★ ★ ★   | ★ ★ ☆       | 47% | 14% | 6.5 | 0.29 | 0.10 | 0.06 |
| AWS-007-16   | <a href="#">6.38TLam</a>        | ★ ★ ★   | ★ ★ ☆       | 45% | 17% | 6.5 | 0.33 | 0.25 | 0.06 |
| AWS-007-17   | <a href="#">6.38SnClr</a>       | ★ ★ ☆   | ★ ★ ★ ★     | 42% | 40% | 5.3 | 0.45 | 0.50 | 0.06 |
| AWS-007-18   | <a href="#">6.38SnGy</a>        | ★ ★ ★   | ★ ★ ★ ★     | 49% | 34% | 5.3 | 0.35 | 0.24 | 0.06 |
| AWS-007-19   | <a href="#">6.38CPClr</a>       | ★ ★     | ★ ★ ★ ★ ☆   | 38% | 48% | 5.0 | 0.53 | 0.60 | 0.06 |
| AWS-007-20   | <a href="#">6.38CPGn</a>        | ★ ★ ★   | ★ ★ ★ ★     | 47% | 41% | 5.0 | 0.40 | 0.52 | 0.06 |
| AWS-007-21   | <a href="#">6.38CPGy</a>        | ★ ★ ★   | ★ ★ ★ ★     | 48% | 40% | 5.0 | 0.39 | 0.29 | 0.06 |
| AWS-007-22   | <a href="#">6SnClr</a>          | ★ ★ ☆   | ★ ★ ★ ★     | 41% | 39% | 5.4 | 0.47 | 0.50 | 0.06 |
| AWS-007-23   | <a href="#">10.38ClrLam</a>     | ★ ★     | ★ ★ ★       | 36% | 26% | 6.4 | 0.47 | 0.47 | 0.06 |
| AWS-007-24   | <a href="#">10.38SnClr</a>      | ★ ★ ☆   | ★ ★ ★ ★     | 44% | 37% | 5.4 | 0.42 | 0.46 | 0.06 |
| AWS-007-25   | <a href="#">10.38GyLam</a>      | ★ ★ ★ ☆ | ★ ★ ☆       | 53% | 11% | 6.4 | 0.21 | 0.08 | 0.06 |
| AWS-007-26   | <a href="#">10.38TLam</a>       | ★ ★ ★   | ★ ★ ★ ★     | 48% | 39% | 5.1 | 0.39 | 0.42 | 0.06 |
| AWS-007-27   | <a href="#">10SnClr</a>         | ★ ★ ★   | ★ ★ ★ ★     | 48% | 39% | 5.1 | 0.39 | 0.42 | 0.06 |
| <b>RESIDENTIAL SERIES 516 AWNING WINDOW- DOUBLE GLAZED</b> |                                 |         |             |     |     |     |      |      |      |
| AWS-008-01   | <a href="#">4/10/4</a>          | ★ ★ ☆   | ★ ★ ★ ★ ★ ☆ | 40% | 57% | 4.3 | 0.55 | 0.56 | 0.06 |
| AWS-008-02   | <a href="#">4Az/10/4ET</a>      | ★ ★ ★ ★ | ★ ★ ★ ★ ★   | 59% | 50% | 3.8 | 0.31 | 0.43 | 0.06 |
| AWS-008-03   | <a href="#">4/10Ar/4ET</a>      | ★ ★ ★   | ★ ★ ★ ★ ★ ★ | 46% | 64% | 3.6 | 0.52 | 0.52 | 0.06 |
| AWS-008-04   | <a href="#">4/10/4ET</a>        | ★ ★ ★   | ★ ★ ★ ★ ★ ★ | 45% | 61% | 3.8 | 0.51 | 0.52 | 0.06 |
| AWS-008-05   | <a href="#">5/8/5</a>           | ★ ★ ☆   | ★ ★ ★ ★ ★ ☆ | 40% | 55% | 4.4 | 0.53 | 0.56 | 0.06 |
| AWS-008-06   | <a href="#">5SG/8Ar/5ET</a>     | ★ ★ ★ ★ | ★ ★ ★ ★ ★   | 59% | 51% | 3.7 | 0.32 | 0.42 | 0.06 |
| AWS-008-07   | <a href="#">3SG/12/3</a>        | ★ ★ ★ ☆ | ★ ★ ★ ★ ★   | 52% | 49% | 4.3 | 0.39 | 0.48 | 0.06 |
| AWS-008-08   | <a href="#">3/12Ar/3ET</a>      | ★ ★ ★   | ★ ★ ★ ★ ★ ★ | 45% | 65% | 3.6 | 0.53 | 0.52 | 0.06 |
| AWS-008-09   | <a href="#">4SnClr/10/4</a>     | ★ ★ ★ ☆ | ★ ★ ★ ★ ★   | 53% | 53% | 3.9 | 0.40 | 0.43 | 0.06 |
| AWS-008-10   | <a href="#">4SnClr/10Ar/4</a>   | ★ ★ ★ ☆ | ★ ★ ★ ★ ★ ☆ | 54% | 55% | 3.8 | 0.40 | 0.43 | 0.06 |
| AWS-008-11   | <a href="#">6.38CPClr/8/4</a>   | ★ ★ ★   | ★ ★ ★ ★ ★ ☆ | 49% | 57% | 3.9 | 0.45 | 0.52 | 0.06 |
| AWS-008-12   | <a href="#">6.38CPClr/8Ar/4</a> | ★ ★ ★   | ★ ★ ★ ★ ★ ☆ | 50% | 59% | 3.7 | 0.45 | 0.52 | 0.06 |
| AWS-008-13   | <a href="#">6.38CPGy/8/4</a>    | ★ ★ ★ ★ | ★ ★ ★ ★ ★   | 57% | 50% | 3.9 | 0.33 | 0.25 | 0.06 |
| AWS-008-13   | <a href="#">6.38CPGy/8/4</a>    | ★ ★ ★ ★ | ★ ★ ★ ★ ★   | 57% | 50% | 3.9 | 0.33 | 0.25 | 0.06 |
| AWS-008-14   | <a href="#">6.38CPGy/8Ar/4</a>  | ★ ★ ★ ★ | ★ ★ ★ ★ ★   | 59% | 52% | 3.7 | 0.32 | 0.25 | 0.06 |
| AWS-008-14   | <a href="#">6.38CPGy/8Ar/4</a>  | ★ ★ ★ ★ | ★ ★ ★ ★ ★   | 59% | 52% | 3.7 | 0.32 | 0.25 | 0.06 |
| <b>RESIDENTIAL SERIES 517 AWNING WINDOW- SINGLE GLAZED</b> |                                 |         |             |     |     |     |      |      |      |
| AWS-009-01   | <a href="#">3Clr</a>            | ★       | ★ ★ ★       | 16% | 25% | 7.1 | 0.66 | 0.66 | 0.06 |
| AWS-009-02   | <a href="#">5Clr</a>            | ★       | ★ ★ ★       | 18% | 25% | 7.0 | 0.64 | 0.65 | 0.06 |
| AWS-009-03   | <a href="#">5SG</a>             | ★ ★     | ★ ★ ☆       | 33% | 16% | 7.0 | 0.46 | 0.54 | 0.06 |
| AWS-009-04   | <a href="#">5Gy</a>             | ★ ★     | ★ ★ ☆       | 31% | 18% | 7.0 | 0.48 | 0.37 | 0.06 |
| AWS-009-05   | <a href="#">6.38VLam</a>        | ★       | ★ ★ ★       | 21% | 25% | 6.9 | 0.61 | 0.65 | 0.06 |
| AWS-009-06   | <a href="#">6.38Sct</a>         | ★ ★     | ★ ★ ★ ★ ☆   | 35% | 41% | 5.5 | 0.53 | 0.60 | 0.06 |
| AWS-009-07   | <a href="#">6.38CP</a>          | ★ ★ ☆   | ★ ★ ★ ★     | 44% | 35% | 5.5 | 0.41 | 0.43 | 0.06 |
| AWS-009-08   | <a href="#">4SnClr</a>          | ★ ★     | ★ ★ ★ ☆     | 37% | 33% | 5.9 | 0.48 | 0.50 | 0.06 |

|            |                             |         |           |     |     |     |      |      |      |
|------------|-----------------------------|---------|-----------|-----|-----|-----|------|------|------|
| AWS-009-09 | <a href="#">6SnClr</a>      | ★ ★     | ★ ★ ★ ☆   | 38% | 33% | 5.9 | 0.47 | 0.50 | 0.06 |
| AWS-009-10 | <a href="#">6EVanBG</a>     | ★ ★ ★   | ★ ★ ★ ☆   | 46% | 31% | 5.7 | 0.37 | 0.42 | 0.06 |
| AWS-009-11 | <a href="#">6EVanClr</a>    | ★ ★     | ★ ★ ★ ★   | 38% | 37% | 5.7 | 0.49 | 0.49 | 0.06 |
| AWS-009-12 | <a href="#">6EVanGy</a>     | ★ ★ ★   | ★ ★ ★ ☆   | 48% | 29% | 5.7 | 0.34 | 0.24 | 0.06 |
| AWS-009-13 | <a href="#">6EVanSpB</a>    | ★ ★ ★ ☆ | ★ ★ ★ ☆   | 51% | 27% | 5.7 | 0.30 | 0.29 | 0.06 |
| AWS-009-14 | <a href="#">6EVanSpGn</a>   | ★ ★ ★ ☆ | ★ ★ ★ ☆   | 51% | 27% | 5.7 | 0.30 | 0.35 | 0.06 |
| AWS-009-15 | <a href="#">6.38LamGy</a>   | ★ ★ ★   | ★ ★       | 45% | 8%  | 6.9 | 0.29 | 0.10 | 0.06 |
| AWS-009-16 | <a href="#">6.38TLam</a>    | ★ ★ ☆   | ★ ★ ☆     | 43% | 11% | 6.9 | 0.33 | 0.24 | 0.06 |
| AWS-009-17 | <a href="#">6.38SnClr</a>   | ★ ★ ☆   | ★ ★ ★ ★   | 39% | 34% | 5.8 | 0.46 | 0.50 | 0.06 |
| AWS-009-18 | <a href="#">6.38SnGy</a>    | ★ ★ ★   | ★ ★ ★ ☆   | 46% | 28% | 5.8 | 0.36 | 0.24 | 0.06 |
| AWS-009-19 | <a href="#">6.38CPClr</a>   | ★ ★     | ★ ★ ★ ★ ☆ | 35% | 41% | 5.5 | 0.53 | 0.60 | 0.06 |
| AWS-009-20 | <a href="#">6.38CPGn</a>    | ★ ★ ★   | ★ ★ ★ ★   | 44% | 35% | 5.5 | 0.41 | 0.52 | 0.06 |
| AWS-009-21 | <a href="#">6.38CPGy</a>    | ★ ★ ★   | ★ ★ ★ ★   | 45% | 34% | 5.5 | 0.40 | 0.29 | 0.06 |
| AWS-009-22 | <a href="#">10SnClr</a>     | ★ ★ ☆   | ★ ★ ★ ☆   | 41% | 32% | 5.8 | 0.43 | 0.46 | 0.06 |
| AWS-009-23 | <a href="#">10.38LamClr</a> | ★ ★     | ★ ★ ★     | 33% | 21% | 6.8 | 0.47 | 0.47 | 0.06 |
| AWS-009-24 | <a href="#">10.38LamGy</a>  | ★ ★ ★ ☆ | ★ ★       | 51% | 6%  | 6.8 | 0.22 | 0.08 | 0.06 |
| AWS-009-25 | <a href="#">10.38TLam</a>   | ★ ★ ★   | ★ ★ ★ ★   | 45% | 34% | 5.5 | 0.39 | 0.42 | 0.06 |
| AWS-009-26 | <a href="#">10.38SnClr</a>  | ★ ★ ☆   | ★ ★ ★ ☆   | 42% | 32% | 5.8 | 0.42 | 0.46 | 0.06 |

**RESIDENTIAL SERIES 517 AWNING WINDOW- DOUBLE GLAZED**

|            |                                 |         |             |     |     |     |      |      |      |
|------------|---------------------------------|---------|-------------|-----|-----|-----|------|------|------|
| AWS-010-01 | <a href="#">4/10/4</a>          | ★ ★     | ★ ★ ★ ★ ★   | 37% | 52% | 4.7 | 0.55 | 0.56 | 0.06 |
| AWS-010-02 | <a href="#">4Az/10/4ET</a>      | ★ ★ ★ ★ | ★ ★ ★ ★ ☆   | 57% | 45% | 4.2 | 0.31 | 0.43 | 0.06 |
| AWS-010-03 | <a href="#">4/10Ar/4ET</a>      | ★ ★ ☆   | ★ ★ ★ ★ ★ ☆ | 43% | 59% | 4.0 | 0.52 | 0.52 | 0.06 |
| AWS-010-04 | <a href="#">4/10/4ET</a>        | ★ ★ ☆   | ★ ★ ★ ★ ★ ☆ | 43% | 57% | 4.2 | 0.52 | 0.52 | 0.06 |
| AWS-010-05 | <a href="#">5/8/5</a>           | ★ ★     | ★ ★ ★ ★ ★   | 38% | 50% | 4.8 | 0.54 | 0.56 | 0.06 |
| AWS-010-06 | <a href="#">5SG/8Ar/5ET</a>     | ★ ★ ★ ★ | ★ ★ ★ ★ ☆   | 57% | 47% | 4.1 | 0.32 | 0.43 | 0.06 |
| AWS-010-07 | <a href="#">3SG/12/3</a>        | ★ ★ ★   | ★ ★ ★ ★ ☆   | 49% | 44% | 4.7 | 0.39 | 0.48 | 0.06 |
| AWS-010-08 | <a href="#">3/12Ar/3ET</a>      | ★ ★ ☆   | ★ ★ ★ ★ ★ ☆ | 42% | 60% | 4.0 | 0.53 | 0.52 | 0.06 |
| AWS-010-09 | <a href="#">4SnClr/10/4</a>     | ★ ★ ★ ☆ | ★ ★ ★ ★ ★   | 50% | 49% | 4.4 | 0.40 | 0.43 | 0.06 |
| AWS-010-10 | <a href="#">4SnClr/10Ar/4</a>   | ★ ★ ★ ☆ | ★ ★ ★ ★ ★   | 51% | 51% | 4.2 | 0.40 | 0.43 | 0.06 |
| AWS-010-11 | <a href="#">6.38CPClr/8/4</a>   | ★ ★ ★   | ★ ★ ★ ★ ★   | 46% | 52% | 4.3 | 0.46 | 0.52 | 0.06 |
| AWS-010-12 | <a href="#">6.38CPClr/8Ar/4</a> | ★ ★ ★   | ★ ★ ★ ★ ★ ☆ | 48% | 55% | 4.1 | 0.46 | 0.52 | 0.06 |
| AWS-010-13 | <a href="#">6.38CPGy/8/4</a>    | ★ ★ ★ ☆ | ★ ★ ★ ★ ☆   | 55% | 45% | 4.3 | 0.33 | 0.25 | 0.06 |
| AWS-010-14 | <a href="#">6.38CPGy/8Ar/4</a>  | ★ ★ ★ ★ | ★ ★ ★ ★ ☆   | 56% | 47% | 4.1 | 0.33 | 0.25 | 0.06 |

**RESIDENTIAL SERIES 541/542 SLIDING DOOR - SINGLE GLAZED**

|            |                          |       |         |     |     |     |      |      |      |
|------------|--------------------------|-------|---------|-----|-----|-----|------|------|------|
| AWS-011-01 | <a href="#">5Clr</a>     | ☆     | ★ ★ ☆   | 14% | 18% | 6.2 | 0.72 | 0.76 | 1.65 |
| AWS-011-02 | <a href="#">5SG</a>      | ★ ★   | ★ ★     | 34% | 8%  | 6.2 | 0.50 | 0.63 | 1.65 |
| AWS-011-03 | <a href="#">5Gy</a>      | ★ ☆   | ★ ★     | 31% | 10% | 6.2 | 0.53 | 0.43 | 1.65 |
| AWS-011-04 | <a href="#">6.38VLam</a> | ★     | ★ ★ ☆   | 18% | 18% | 6.2 | 0.69 | 0.76 | 1.65 |
| AWS-011-05 | <a href="#">6.38Sct</a>  | ★ ★   | ★ ★ ★ ★ | 36% | 38% | 4.3 | 0.59 | 0.70 | 1.65 |
| AWS-011-06 | <a href="#">6.38CP</a>   | ★ ★ ★ | ★ ★ ★ ☆ | 47% | 30% | 4.3 | 0.44 | 0.51 | 1.65 |
| AWS-011-07 | <a href="#">4SnClr</a>   | ★ ★ ☆ | ★ ★ ★ ☆ | 39% | 29% | 4.8 | 0.53 | 0.59 | 1.65 |
| AWS-011-08 | <a href="#">6SnClr</a>   | ★ ★ ☆ | ★ ★ ★ ☆ | 40% | 29% | 4.8 | 0.51 | 0.58 | 1.65 |

|            |                             |         |         |     |     |     |      |      |      |
|------------|-----------------------------|---------|---------|-----|-----|-----|------|------|------|
| AWS-011-09 | <a href="#">6EVanBG</a>     | ★ ★ ★   | ★ ★ ★   | 50% | 26% | 4.5 | 0.39 | 0.49 | 1.65 |
| AWS-011-10 | <a href="#">6EVanClr</a>    | ★ ★ ☆   | ★ ★ ★ ☆ | 39% | 33% | 4.5 | 0.54 | 0.57 | 1.65 |
| AWS-011-11 | <a href="#">6EVanGy</a>     | ★ ★ ★ ☆ | ★ ★ ★   | 53% | 23% | 4.5 | 0.35 | 0.28 | 1.65 |
| AWS-011-12 | <a href="#">6EVanSpB</a>    | ★ ★ ★ ★ | ★ ★ ☆   | 56% | 21% | 4.5 | 0.31 | 0.33 | 1.65 |
| AWS-011-13 | <a href="#">6EVanSpGn</a>   | ★ ★ ★ ★ | ★ ★ ☆   | 56% | 21% | 4.5 | 0.31 | 0.41 | 1.65 |
| AWS-011-14 | <a href="#">6.38LamGy</a>   | ★ ★ ★   |         | 48% | -1% | 6.2 | 0.31 | 0.11 | 1.65 |
| AWS-011-15 | <a href="#">6.38TLam</a>    | ★ ★ ★   | ★ ☆     | 45% | 1%  | 6.2 | 0.35 | 0.29 | 1.65 |
| AWS-011-16 | <a href="#">6.38SnClr</a>   | ★ ★ ☆   | ★ ★ ★ ☆ | 41% | 29% | 4.7 | 0.50 | 0.58 | 1.65 |
| AWS-011-17 | <a href="#">6.38SnGy</a>    | ★ ★ ★ ☆ | ★ ★ ★   | 50% | 22% | 4.7 | 0.37 | 0.27 | 1.65 |
| AWS-011-18 | <a href="#">6.38CPClr</a>   | ★ ★     | ★ ★ ★ ★ | 36% | 38% | 4.3 | 0.59 | 0.70 | 1.65 |
| AWS-011-19 | <a href="#">6.38CPGn</a>    | ★ ★ ★   | ★ ★ ★ ☆ | 48% | 30% | 4.3 | 0.43 | 0.61 | 1.65 |
| AWS-011-20 | <a href="#">6.38CPGy</a>    | ★ ★ ★   | ★ ★ ★ ☆ | 49% | 30% | 4.3 | 0.43 | 0.33 | 1.65 |
| AWS-011-21 | <a href="#">10SnClr</a>     | ★ ★ ☆   | ★ ★ ★   | 42% | 23% | 5.0 | 0.47 | 0.53 | 1.65 |
| AWS-011-22 | <a href="#">10.38SnClr</a>  | ★ ★ ★   | ★ ★ ★   | 45% | 26% | 4.7 | 0.45 | 0.53 | 1.65 |
| AWS-011-23 | <a href="#">10.38LamClr</a> | ★ ★     | ★ ★     | 33% | 10% | 6.2 | 0.52 | 0.54 | 1.65 |
| AWS-011-24 | <a href="#">10.38LamGy</a>  | ★ ★ ★ ☆ |         | 53% | -7% | 6.2 | 0.22 | 0.09 | 1.65 |
| AWS-011-25 | <a href="#">10.38TLam</a>   | ★ ★ ★   | ★ ★ ★   | 47% | 26% | 4.6 | 0.42 | 0.48 | 1.65 |

**RESIDENTIAL SERIES 541/542 SLIDING DOOR - DOUBLE GLAZED**

|            |                                 |         |           |     |     |     |      |      |      |
|------------|---------------------------------|---------|-----------|-----|-----|-----|------|------|------|
| AWS-013-01 | <a href="#">4/10/4</a>          | ★ ★     | ★ ★ ★ ★ ☆ | 36% | 42% | 4.0 | 0.61 | 0.65 | 1.65 |
| AWS-013-02 | <a href="#">4Az/10/4ET</a>      | ★ ★ ★ ★ | ★ ★ ★ ☆   | 59% | 35% | 3.4 | 0.33 | 0.50 | 1.65 |
| AWS-013-03 | <a href="#">4/10Ar/4ET</a>      | ★ ★ ☆   | ★ ★ ★ ★ ★ | 43% | 50% | 3.2 | 0.57 | 0.59 | 1.65 |
| AWS-013-04 | <a href="#">4/10/4ET</a>        | ★ ★ ☆   | ★ ★ ★ ★ ☆ | 42% | 47% | 3.4 | 0.57 | 0.59 | 1.65 |
| AWS-013-05 | <a href="#">5/8/5</a>           | ★ ★     | ★ ★ ★ ★   | 37% | 40% | 4.1 | 0.59 | 0.64 | 1.65 |
| AWS-013-06 | <a href="#">5SG/8Ar/5ET</a>     | ★ ★ ★ ★ | ★ ★ ★ ★   | 59% | 36% | 3.3 | 0.34 | 0.49 | 1.65 |
| AWS-013-07 | <a href="#">4SnClr/10/4</a>     | ★ ★ ★ ☆ | ★ ★ ★ ★   | 51% | 38% | 3.6 | 0.44 | 0.50 | 1.65 |
| AWS-013-08 | <a href="#">4SnClr/10Ar/4</a>   | ★ ★ ★ ☆ | ★ ★ ★ ★   | 53% | 41% | 3.4 | 0.43 | 0.50 | 1.65 |
| AWS-013-09 | <a href="#">6.38CPClr/8/4</a>   | ★ ★ ★   | ★ ★ ★ ★ ☆ | 47% | 42% | 3.6 | 0.50 | 0.59 | 1.65 |
| AWS-013-10 | <a href="#">6.38CPClr/8Ar/4</a> | ★ ★ ★   | ★ ★ ★ ★ ☆ | 48% | 45% | 3.3 | 0.50 | 0.59 | 1.65 |
| AWS-013-11 | <a href="#">6.38CPGy/8/4</a>    | ★ ★ ★ ★ | ★ ★ ★ ☆   | 57% | 34% | 3.6 | 0.36 | 0.28 | 1.65 |
| AWS-013-12 | <a href="#">6.38CPGy/8Ar/4</a>  | ★ ★ ★ ★ | ★ ★ ★ ★   | 59% | 37% | 3.3 | 0.35 | 0.28 | 1.65 |

**RESIDENTIAL SERIES 549 ENTRY DOOR - SINGLE GLAZED**

|            |                          |         |         |     |     |     |      |      |      |
|------------|--------------------------|---------|---------|-----|-----|-----|------|------|------|
| AWS-018-01 | <a href="#">5Clr</a>     | ★ ☆     | ★ ★ ☆   | 31% | 18% | 5.9 | 0.56 | 0.58 | 0.73 |
| AWS-018-02 | <a href="#">5SG</a>      | ★ ★ ☆   | ★ ★     | 44% | 9%  | 5.9 | 0.39 | 0.48 | 0.73 |
| AWS-018-03 | <a href="#">5Gy</a>      | ★ ★ ☆   | ★ ★     | 42% | 10% | 5.9 | 0.42 | 0.33 | 0.73 |
| AWS-018-04 | <a href="#">6.38VLam</a> | ★ ★     | ★ ★ ☆   | 34% | 17% | 5.8 | 0.53 | 0.58 | 0.73 |
| AWS-018-05 | <a href="#">6.38Sct</a>  | ★ ★ ★   | ★ ★ ★ ☆ | 46% | 32% | 4.4 | 0.46 | 0.53 | 0.73 |
| AWS-018-06 | <a href="#">6.38CP</a>   | ★ ★ ★ ☆ | ★ ★ ★   | 54% | 25% | 4.4 | 0.35 | 0.39 | 0.73 |
| AWS-018-07 | <a href="#">4SnClr</a>   | ★ ★ ★   | ★ ★ ★   | 48% | 25% | 4.7 | 0.41 | 0.45 | 0.73 |
| AWS-018-08 | <a href="#">6SnClr</a>   | ★ ★ ★   | ★ ★ ★   | 48% | 25% | 4.7 | 0.40 | 0.44 | 0.73 |
| AWS-018-09 | <a href="#">6EVanBG</a>  | ★ ★ ★ ★ | ★ ★ ★   | 56% | 21% | 4.5 | 0.31 | 0.37 | 0.73 |
| AWS-018-10 | <a href="#">6EVanClr</a> | ★ ★ ★   | ★ ★ ★   | 48% | 28% | 4.5 | 0.42 | 0.44 | 0.73 |
| AWS-018-11 | <a href="#">6EVanGy</a>  | ★ ★ ★ ★ | ★ ★ ☆   | 58% | 20% | 4.5 | 0.28 | 0.21 | 0.73 |

|            |                           |       |       |     |     |     |      |      |      |
|------------|---------------------------|-------|-------|-----|-----|-----|------|------|------|
| AWS-018-12 | <a href="#">6EVanSpB</a>  | ★★★★  | ★★★   | 60% | 18% | 4.5 | 0.25 | 0.25 | 0.73 |
| AWS-018-13 | <a href="#">6EVanSpGn</a> | ★★★★  | ★★★   | 60% | 18% | 4.5 | 0.25 | 0.31 | 0.73 |
| AWS-018-14 | <a href="#">6.38LamGy</a> | ★★★★☆ | ★★    | 54% | 1%  | 5.8 | 0.24 | 0.09 | 0.73 |
| AWS-018-15 | <a href="#">6.38TLam</a>  | ★★★★☆ | ★★    | 52% | 3%  | 5.8 | 0.28 | 0.22 | 0.73 |
| AWS-018-16 | <a href="#">6.38SnClr</a> | ★★★   | ★★★   | 49% | 25% | 4.6 | 0.39 | 0.44 | 0.73 |
| AWS-018-17 | <a href="#">6.38SnGy</a>  | ★★★★  | ★★★   | 56% | 19% | 4.6 | 0.30 | 0.21 | 0.73 |
| AWS-018-18 | <a href="#">6.38CPClr</a> | ★★★   | ★★★☆☆ | 46% | 32% | 4.4 | 0.46 | 0.54 | 0.73 |
| AWS-018-19 | <a href="#">6.38CPGn</a>  | ★★★★☆ | ★★★   | 54% | 25% | 4.4 | 0.34 | 0.47 | 0.73 |

**RESIDENTIAL SERIES 549 ENTRY DOOR - DOUBLE GLAZED**

|            |                                 |       |        |     |     |     |      |      |      |
|------------|---------------------------------|-------|--------|-----|-----|-----|------|------|------|
| AWS-019-01 | <a href="#">4/10/4</a>          | ★★★   | ★★★★   | 44% | 37% | 4.1 | 0.50 | 0.52 | 0.73 |
| AWS-019-02 | <a href="#">4Az/10/4ET</a>      | ★★★★☆ | ★★★☆☆  | 62% | 30% | 3.6 | 0.28 | 0.40 | 0.73 |
| AWS-019-03 | <a href="#">4/10Ar/4ET</a>      | ★★★   | ★★★★☆☆ | 50% | 43% | 3.4 | 0.47 | 0.48 | 0.73 |
| AWS-019-04 | <a href="#">4/10/4ET</a>        | ★★★   | ★★★★   | 49% | 41% | 3.6 | 0.47 | 0.48 | 0.73 |
| AWS-019-05 | <a href="#">5/8/5</a>           | ★★★   | ★★★★   | 45% | 36% | 4.2 | 0.49 | 0.52 | 0.73 |
| AWS-019-06 | <a href="#">5SG/8Ar/5ET</a>     | ★★★★☆ | ★★★☆☆  | 62% | 31% | 3.5 | 0.28 | 0.40 | 0.73 |
| AWS-019-07 | <a href="#">4SnClr/10/4</a>     | ★★★★  | ★★★☆☆  | 56% | 33% | 3.8 | 0.36 | 0.40 | 0.73 |
| AWS-019-08 | <a href="#">4SnClr/10Ar/4</a>   | ★★★★  | ★★★★   | 57% | 35% | 3.6 | 0.36 | 0.40 | 0.73 |
| AWS-019-09 | <a href="#">6.38CPClr/8/4</a>   | ★★★★☆ | ★★★★   | 52% | 37% | 3.7 | 0.41 | 0.48 | 0.73 |
| AWS-019-10 | <a href="#">6.38CPClr/8Ar/4</a> | ★★★★☆ | ★★★★   | 54% | 39% | 3.5 | 0.41 | 0.48 | 0.73 |
| AWS-019-11 | <a href="#">6.38CPGy/8/4</a>    | ★★★★☆ | ★★★☆☆  | 60% | 30% | 3.7 | 0.30 | 0.23 | 0.73 |
| AWS-019-12 | <a href="#">6.38CPGy/8Ar/4</a>  | ★★★★☆ | ★★★☆☆  | 62% | 32% | 3.5 | 0.29 | 0.23 | 0.73 |

**NER SERIES 548 BI-FOLD DOOR - SINGLE GLAZED**

|            |                           |       |       |     |     |     |      |      |      |
|------------|---------------------------|-------|-------|-----|-----|-----|------|------|------|
| AWS-016-01 | <a href="#">5Clr</a>      | ★★☆   | ★★★☆☆ | 29% | 15% | 6.1 | 0.57 | 0.58 | 0.80 |
| AWS-016-02 | <a href="#">5SG</a>       | ★★☆   | ★★    | 42% | 6%  | 6.1 | 0.40 | 0.48 | 0.80 |
| AWS-016-03 | <a href="#">5Gy</a>       | ★★☆   | ★★    | 40% | 8%  | 6.1 | 0.43 | 0.33 | 0.80 |
| AWS-016-04 | <a href="#">6.38VLam</a>  | ★★    | ★★★☆☆ | 32% | 15% | 6.0 | 0.54 | 0.58 | 0.80 |
| AWS-016-05 | <a href="#">6.38Sct</a>   | ★★★   | ★★★☆☆ | 44% | 30% | 4.6 | 0.47 | 0.53 | 0.80 |
| AWS-016-06 | <a href="#">6.38CP</a>    | ★★★★☆ | ★★★★  | 52% | 23% | 4.6 | 0.36 | 0.39 | 0.80 |
| AWS-016-07 | <a href="#">4SnClr</a>    | ★★★   | ★★★   | 46% | 22% | 4.9 | 0.42 | 0.45 | 0.80 |
| AWS-016-08 | <a href="#">6SnClr</a>    | ★★★   | ★★★   | 47% | 22% | 4.9 | 0.41 | 0.45 | 0.80 |
| AWS-016-09 | <a href="#">6EVanBG</a>   | ★★★★☆ | ★★★☆☆ | 54% | 19% | 4.7 | 0.32 | 0.37 | 0.80 |
| AWS-016-10 | <a href="#">6EVanClr</a>  | ★★★   | ★★★   | 46% | 26% | 4.7 | 0.43 | 0.44 | 0.80 |
| AWS-016-11 | <a href="#">6EVanGy</a>   | ★★★★  | ★★★☆☆ | 56% | 18% | 4.7 | 0.29 | 0.21 | 0.80 |
| AWS-016-12 | <a href="#">6EVanSpB</a>  | ★★★★  | ★★★☆☆ | 58% | 16% | 4.7 | 0.26 | 0.26 | 0.80 |
| AWS-016-13 | <a href="#">6EVanSpGn</a> | ★★★★  | ★★★☆☆ | 58% | 16% | 4.7 | 0.26 | 0.31 | 0.80 |
| AWS-016-14 | <a href="#">6.38LamGy</a> | ★★★★☆ |       | 52% | -1% | 6.0 | 0.25 | 0.09 | 0.80 |
| AWS-016-15 | <a href="#">6.38TLam</a>  | ★★★   | ★★☆   | 50% | 1%  | 6.0 | 0.29 | 0.22 | 0.80 |
| AWS-016-16 | <a href="#">6.38SnClr</a> | ★★★   | ★★★   | 48% | 23% | 4.8 | 0.40 | 0.44 | 0.80 |
| AWS-016-17 | <a href="#">6.38SnGy</a>  | ★★★★☆ | ★★★☆☆ | 54% | 17% | 4.8 | 0.30 | 0.21 | 0.80 |
| AWS-016-18 | <a href="#">6.38CPClr</a> | ★★☆   | ★★★☆☆ | 44% | 30% | 4.6 | 0.47 | 0.54 | 0.80 |
| AWS-016-19 | <a href="#">6.38CPGn</a>  | ★★★★☆ | ★★★   | 53% | 23% | 4.6 | 0.35 | 0.47 | 0.80 |
| AWS-016-20 | <a href="#">6.38CPGy</a>  | ★★★★☆ | ★★★   | 53% | 23% | 4.6 | 0.34 | 0.26 | 0.80 |

**DESIGNER SERIES 548 BI-FOLD DOOR - DOUBLE GLAZED**

|            |                                 |           |         |     |     |     |      |      |      |
|------------|---------------------------------|-----------|---------|-----|-----|-----|------|------|------|
| AWS-017-01 | <a href="#">4/10/4</a>          | ★ ★ ☆     | ★ ★ ★ ☆ | 42% | 35% | 4.3 | 0.51 | 0.53 | 0.80 |
| AWS-017-02 | <a href="#">4Az/10/4ET</a>      | ★ ★ ★ ★ ☆ | ★ ★ ★   | 60% | 28% | 3.8 | 0.29 | 0.40 | 0.80 |
| AWS-017-03 | <a href="#">4/10Ar/4ET</a>      | ★ ★ ★     | ★ ★ ★ ★ | 48% | 41% | 3.6 | 0.48 | 0.48 | 0.80 |
| AWS-017-04 | <a href="#">4/10/4ET</a>        | ★ ★ ★     | ★ ★ ★ ★ | 47% | 39% | 3.8 | 0.48 | 0.48 | 0.80 |
| AWS-017-05 | <a href="#">5/8/5</a>           | ★ ★ ☆     | ★ ★ ★ ☆ | 43% | 33% | 4.4 | 0.50 | 0.52 | 0.80 |
| AWS-017-06 | <a href="#">5SG/8Ar/5ET</a>     | ★ ★ ★ ★ ☆ | ★ ★ ★ ☆ | 60% | 29% | 3.7 | 0.29 | 0.40 | 0.80 |
| AWS-017-07 | <a href="#">4SnClr/10/4</a>     | ★ ★ ★ ☆   | ★ ★ ★ ☆ | 54% | 32% | 4.0 | 0.37 | 0.40 | 0.80 |
| AWS-017-08 | <a href="#">4SnClr/10Ar/4</a>   | ★ ★ ★ ☆   | ★ ★ ★ ☆ | 55% | 33% | 3.8 | 0.37 | 0.40 | 0.80 |
| AWS-017-09 | <a href="#">6.38CPClr/8/4</a>   | ★ ★ ★ ☆   | ★ ★ ★ ☆ | 51% | 35% | 3.9 | 0.42 | 0.48 | 0.80 |
| AWS-017-10 | <a href="#">6.38CPClr/8Ar/4</a> | ★ ★ ★ ☆   | ★ ★ ★ ★ | 52% | 37% | 3.7 | 0.42 | 0.48 | 0.80 |
| AWS-017-11 | <a href="#">6.38CPGy/8/4</a>    | ★ ★ ★ ★   | ★ ★ ★   | 59% | 28% | 3.9 | 0.31 | 0.23 | 0.80 |
| AWS-017-12 | <a href="#">6.38CPGy/8Ar/4</a>  | ★ ★ ★ ★   | ★ ★ ★ ☆ | 60% | 30% | 3.7 | 0.30 | 0.23 | 0.80 |

**DESIGNER SERIES 548 FRENCH DOOR - SINGLE GLAZED**

|            |                           |         |         |     |     |     |      |      |      |
|------------|---------------------------|---------|---------|-----|-----|-----|------|------|------|
| AWS-020-01 | <a href="#">5Clr</a>      | ★ ☆     | ★ ★ ☆   | 29% | 16% | 6.0 | 0.58 | 0.59 | 0.80 |
| AWS-020-02 | <a href="#">5SG</a>       | ★ ★ ☆   | ★ ★     | 42% | 7%  | 6.0 | 0.41 | 0.48 | 0.80 |
| AWS-020-03 | <a href="#">5Gy</a>       | ★ ★ ☆   | ★ ★     | 40% | 9%  | 6.0 | 0.43 | 0.33 | 0.80 |
| AWS-020-04 | <a href="#">6.38VLam</a>  | ★ ☆     | ★ ★ ☆   | 31% | 16% | 5.9 | 0.55 | 0.59 | 0.80 |
| AWS-020-05 | <a href="#">6.38Sct</a>   | ★ ★ ☆   | ★ ★ ★ ☆ | 44% | 31% | 4.5 | 0.47 | 0.54 | 0.80 |
| AWS-020-06 | <a href="#">6.38CP</a>    | ★ ★ ★ ☆ | ★ ★ ★   | 52% | 24% | 4.5 | 0.36 | 0.39 | 0.80 |
| AWS-020-07 | <a href="#">4SnClr</a>    | ★ ★ ★   | ★ ★ ★   | 46% | 24% | 4.9 | 0.43 | 0.46 | 0.80 |
| AWS-020-08 | <a href="#">6SnClr</a>    | ★ ★ ★   | ★ ★ ★   | 47% | 24% | 4.8 | 0.42 | 0.45 | 0.80 |
| AWS-020-09 | <a href="#">6EVanBG</a>   | ★ ★ ★ ☆ | ★ ★ ☆   | 54% | 21% | 4.6 | 0.32 | 0.38 | 0.80 |
| AWS-020-10 | <a href="#">6EVanClr</a>  | ★ ★ ★   | ★ ★ ★   | 46% | 27% | 4.6 | 0.44 | 0.44 | 0.80 |
| AWS-020-11 | <a href="#">6EVanGy</a>   | ★ ★ ★ ★ | ★ ★ ☆   | 56% | 19% | 4.6 | 0.29 | 0.21 | 0.80 |
| AWS-020-12 | <a href="#">6EVanSpB</a>  | ★ ★ ★ ★ | ★ ★ ☆   | 58% | 17% | 4.6 | 0.26 | 0.26 | 0.80 |
| AWS-020-13 | <a href="#">6EVanSpGn</a> | ★ ★ ★ ★ | ★ ★ ☆   | 58% | 17% | 4.6 | 0.26 | 0.32 | 0.80 |
| AWS-020-14 | <a href="#">6.38LamGy</a> | ★ ★ ★ ☆ |         | 52% | 0%  | 5.9 | 0.26 | 0.09 | 0.80 |
| AWS-020-15 | <a href="#">6.38TLam</a>  | ★ ★ ★   | ★ ☆     | 50% | 2%  | 5.9 | 0.29 | 0.22 | 0.80 |
| AWS-020-16 | <a href="#">6.38SnClr</a> | ★ ★ ★   | ★ ★ ★   | 48% | 24% | 4.8 | 0.41 | 0.45 | 0.80 |
| AWS-020-17 | <a href="#">6.38SnGy</a>  | ★ ★ ★ ☆ | ★ ★ ☆   | 54% | 18% | 4.8 | 0.31 | 0.21 | 0.80 |
| AWS-020-18 | <a href="#">6.38CPClr</a> | ★ ★ ☆   | ★ ★ ★ ☆ | 44% | 31% | 4.5 | 0.48 | 0.55 | 0.80 |
| AWS-020-19 | <a href="#">6.38CPGn</a>  | ★ ★ ★ ☆ | ★ ★ ★   | 53% | 24% | 4.5 | 0.36 | 0.47 | 0.80 |
| AWS-020-20 | <a href="#">6.38CPGy</a>  | ★ ★ ★ ☆ | ★ ★ ★   | 53% | 24% | 4.5 | 0.35 | 0.26 | 0.80 |

**DESIGNER SERIES 548 FRENCH DOOR - DOUBLE GLAZED**

|            |                             |           |           |     |     |     |      |      |      |
|------------|-----------------------------|-----------|-----------|-----|-----|-----|------|------|------|
| AWS-021-01 | <a href="#">4/10/4</a>      | ★ ★ ☆     | ★ ★ ★ ★   | 42% | 36% | 4.2 | 0.52 | 0.53 | 0.80 |
| AWS-021-02 | <a href="#">4Az/10/4ET</a>  | ★ ★ ★ ★ ☆ | ★ ★ ★ ☆   | 60% | 29% | 3.8 | 0.30 | 0.41 | 0.80 |
| AWS-021-03 | <a href="#">4/10Ar/4ET</a>  | ★ ★ ★     | ★ ★ ★ ★ ☆ | 48% | 43% | 3.6 | 0.49 | 0.49 | 0.80 |
| AWS-021-04 | <a href="#">4/10/4ET</a>    | ★ ★ ★     | ★ ★ ★ ★   | 47% | 40% | 3.7 | 0.49 | 0.49 | 0.80 |
| AWS-021-05 | <a href="#">5/8/5</a>       | ★ ★ ☆     | ★ ★ ★ ☆   | 43% | 35% | 4.3 | 0.51 | 0.53 | 0.80 |
| AWS-021-06 | <a href="#">5SG/8Ar/5ET</a> | ★ ★ ★ ★ ☆ | ★ ★ ★ ☆   | 60% | 31% | 3.7 | 0.30 | 0.40 | 0.80 |
| AWS-021-07 | <a href="#">4SnClr/10/4</a> | ★ ★ ★ ☆   | ★ ★ ★ ☆   | 54% | 33% | 3.9 | 0.38 | 0.41 | 0.80 |

|            |                                 |         |         |     |     |     |      |      |      |
|------------|---------------------------------|---------|---------|-----|-----|-----|------|------|------|
| AWS-021-08 | <a href="#">4SnClr/10Ar/4</a>   | ★ ★ ★ ☆ | ★ ★ ★ ☆ | 55% | 35% | 3.7 | 0.38 | 0.41 | 0.80 |
| AWS-021-09 | <a href="#">6.38CPClr/8/4</a>   | ★ ★ ★ ☆ | ★ ★ ★ ★ | 50% | 36% | 3.9 | 0.43 | 0.49 | 0.80 |
| AWS-021-10 | <a href="#">6.38CPClr/8Ar/4</a> | ★ ★ ★ ☆ | ★ ★ ★ ★ | 52% | 38% | 3.6 | 0.43 | 0.49 | 0.80 |
| AWS-021-11 | <a href="#">6.38CPGy/8/4</a>    | ★ ★ ★ ★ | ★ ★ ★ ☆ | 58% | 29% | 3.9 | 0.31 | 0.23 | 0.80 |
| AWS-021-12 | <a href="#">6.38CPGy/8Ar/4</a>  | ★ ★ ★ ★ | ★ ★ ★ ☆ | 60% | 31% | 3.6 | 0.31 | 0.23 | 0.80 |

**DESIGNER SERIES 618 MAGNUM SLIDING DOOR - DOUBLE GLAZED**

|            |                                 |         |           |     |     |     |      |      |      |
|------------|---------------------------------|---------|-----------|-----|-----|-----|------|------|------|
| AWS-036-25 | <a href="#">4/10/4</a>          | ★ ★     | ★ ★ ★ ★ ☆ | 37% | 43% | 4.0 | 0.60 | 0.63 | 0.90 |
| AWS-036-26 | <a href="#">4/10/4ET</a>        | ★ ★ ☆   | ★ ★ ★ ★ ☆ | 43% | 47% | 3.4 | 0.56 | 0.58 | 0.90 |
| AWS-036-27 | <a href="#">4/10Ar/4ET</a>      | ★ ★ ☆   | ★ ★ ★ ★ ★ | 44% | 50% | 3.2 | 0.56 | 0.58 | 0.90 |
| AWS-036-28 | <a href="#">4Az/10/4ET</a>      | ★ ★ ★ ★ | ★ ★ ★ ★   | 59% | 35% | 3.4 | 0.33 | 0.48 | 0.90 |
| AWS-036-29 | <a href="#">5/8/5</a>           | ★ ★     | ★ ★ ★ ★   | 38% | 41% | 4.1 | 0.58 | 0.62 | 0.90 |
| AWS-036-30 | <a href="#">5SG/8Ar/5ET</a>     | ★ ★ ★ ★ | ★ ★ ★ ★   | 59% | 37% | 3.3 | 0.34 | 0.48 | 0.90 |
| AWS-036-31 | <a href="#">4SnClr/10/4</a>     | ★ ★ ★ ☆ | ★ ★ ★ ★   | 52% | 39% | 3.6 | 0.43 | 0.48 | 0.90 |
| AWS-036-32 | <a href="#">4SnClr/10Ar/4</a>   | ★ ★ ★ ☆ | ★ ★ ★ ★   | 53% | 41% | 3.4 | 0.43 | 0.48 | 0.90 |
| AWS-036-33 | <a href="#">6.38CPClr/8/4</a>   | ★ ★ ★   | ★ ★ ★ ★ ☆ | 48% | 43% | 3.6 | 0.49 | 0.58 | 0.90 |
| AWS-036-34 | <a href="#">6.38CPClr/8Ar/4</a> | ★ ★ ★   | ★ ★ ★ ★ ☆ | 49% | 45% | 3.3 | 0.49 | 0.58 | 0.90 |
| AWS-036-35 | <a href="#">6.38CPGy/8/4</a>    | ★ ★ ★ ★ | ★ ★ ★ ☆   | 57% | 35% | 3.6 | 0.35 | 0.27 | 0.90 |
| AWS-036-36 | <a href="#">6.38CPGy/8Ar/4</a>  | ★ ★ ★ ★ | ★ ★ ★ ★   | 59% | 37% | 3.3 | 0.35 | 0.27 | 0.90 |

**DESIGNER SERIES 618 MAGNUM SLIDING DOOR - SINGLE GLAZED**

|            |                             |         |         |     |     |     |      |      |      |
|------------|-----------------------------|---------|---------|-----|-----|-----|------|------|------|
| AWS-036-01 | <a href="#">5Clr</a>        | ★       | ★ ★ ☆   | 20% | 18% | 6.2 | 0.67 | 0.70 | 0.90 |
| AWS-036-02 | <a href="#">5Gy</a>         | ★ ★     | ★ ★     | 35% | 10% | 6.2 | 0.49 | 0.39 | 0.90 |
| AWS-036-03 | <a href="#">5SG</a>         | ★ ★     | ★ ★     | 37% | 9%  | 6.1 | 0.47 | 0.57 | 0.90 |
| AWS-036-04 | <a href="#">6.38VLam</a>    | ★       | ★ ★ ☆   | 21% | 17% | 6.2 | 0.65 | 0.70 | 0.90 |
| AWS-036-05 | <a href="#">6.38Sct</a>     | ★ ★ ☆   | ★ ★ ★ ☆ | 39% | 35% | 4.4 | 0.54 | 0.64 | 0.90 |
| AWS-036-06 | <a href="#">4SnClr</a>      | ★ ★ ☆   | ★ ★ ★   | 41% | 27% | 4.9 | 0.49 | 0.54 | 0.90 |
| AWS-036-07 | <a href="#">6SnClr</a>      | ★ ★ ☆   | ★ ★ ★   | 42% | 27% | 4.8 | 0.48 | 0.53 | 0.90 |
| AWS-036-08 | <a href="#">6EVanBG</a>     | ★ ★ ★ ☆ | ★ ★ ★   | 51% | 23% | 4.6 | 0.37 | 0.44 | 0.90 |
| AWS-036-09 | <a href="#">6EVanClr</a>    | ★ ★ ☆   | ★ ★ ★ ☆ | 42% | 31% | 4.6 | 0.50 | 0.52 | 0.90 |
| AWS-036-10 | <a href="#">6EVanGy</a>     | ★ ★ ★ ☆ | ★ ★ ☆   | 54% | 21% | 4.6 | 0.33 | 0.25 | 0.90 |
| AWS-036-11 | <a href="#">6EVanSpB</a>    | ★ ★ ★ ★ | ★ ★ ☆   | 56% | 19% | 4.6 | 0.29 | 0.30 | 0.90 |
| AWS-036-12 | <a href="#">6EVanSpGn</a>   | ★ ★ ★ ★ | ★ ★ ☆   | 56% | 19% | 4.6 | 0.29 | 0.37 | 0.90 |
| AWS-036-13 | <a href="#">6.38LamGy</a>   | ★ ★ ★   |         | 48% | -2% | 6.2 | 0.29 | 0.10 | 0.90 |
| AWS-036-14 | <a href="#">6.38TLam</a>    | ★ ★ ★   | ★ ☆     | 46% | 2%  | 6.1 | 0.33 | 0.26 | 0.90 |
| AWS-036-15 | <a href="#">6.38SnClr</a>   | ★ ★ ☆   | ★ ★ ★   | 44% | 27% | 4.8 | 0.47 | 0.53 | 0.90 |
| AWS-036-16 | <a href="#">6.38SnGy</a>    | ★ ★ ★ ☆ | ★ ★ ☆   | 52% | 20% | 4.8 | 0.35 | 0.25 | 0.90 |
| AWS-036-17 | <a href="#">6.38CPClr</a>   | ★ ★ ☆   | ★ ★ ★ ☆ | 39% | 35% | 4.4 | 0.55 | 0.64 | 0.90 |
| AWS-036-18 | <a href="#">6.38CPGn</a>    | ★ ★ ★   | ★ ★ ★   | 50% | 28% | 4.4 | 0.41 | 0.56 | 0.90 |
| AWS-036-19 | <a href="#">6.38CPGy</a>    | ★ ★ ★   | ★ ★ ★   | 50% | 27% | 4.5 | 0.40 | 0.31 | 0.90 |
| AWS-036-20 | <a href="#">10SnClr</a>     | ★ ★ ☆   | ★ ★ ★   | 44% | 27% | 4.8 | 0.46 | 0.52 | 0.90 |
| AWS-036-21 | <a href="#">10.38LamClr</a> | ★ ★     | ★ ★     | 35% | 13% | 6.0 | 0.51 | 0.53 | 0.90 |
| AWS-036-22 | <a href="#">10.38LamGy</a>  | ★ ★ ★ ☆ |         | 55% | -3% | 6.0 | 0.22 | 0.09 | 0.90 |
| AWS-036-23 | <a href="#">10.38Tlam</a>   | ★ ★ ★   | ★ ★ ★ ☆ | 49% | 29% | 4.4 | 0.41 | 0.47 | 0.90 |

|  |                                     |             |               |     |     |     |      |      |      |
|--|-------------------------------------|-------------|---------------|-----|-----|-----|------|------|------|
| AWS-036-24   | <a href="#">10.38SnClr</a>          | ★ ★ ★       | ★ ★ ★         | 45% | 26% | 4.7 | 0.45 | 0.51 | 0.90 |
| <b>DESIGNER THERMAL HEART SERIES 726 AWNING WINDOW - DOUBLE GLAZED</b> |                                     |             |               |     |     |     |      |      |      |
| AWS-035-01   | <a href="#">4Clr/10/4Clr</a>        | ★ ★ ★       | ★ ★ ★ ★ ★ ★ ★ | 49% | 62% | 3.6 | 0.47 | 0.49 | 0.05 |
| AWS-035-02   | <a href="#">4Az/10/4ET</a>          | ★ ★ ★ ★ ★   | ★ ★ ★ ★ ★ ☆   | 65% | 55% | 3.1 | 0.26 | 0.37 | 0.05 |
| AWS-035-03   | <a href="#">4/10Ar/4ET</a>          | ★ ★ ★ ☆     | ★ ★ ★ ★ ★ ☆   | 54% | 67% | 2.9 | 0.44 | 0.45 | 0.05 |
| AWS-035-04   | <a href="#">4/10/4ET</a>            | ★ ★ ★ ☆     | ★ ★ ★ ★ ★ ★   | 54% | 65% | 3.1 | 0.44 | 0.45 | 0.05 |
| AWS-035-05   | <a href="#">5/8/5</a>               | ★ ★ ★       | ★ ★ ★ ★ ★ ☆   | 50% | 60% | 3.6 | 0.46 | 0.48 | 0.05 |
| AWS-035-06   | <a href="#">5SG/8Ar/5ET</a>         | ★ ★ ★ ★ ★   | ★ ★ ★ ★ ★ ☆   | 65% | 56% | 3.1 | 0.27 | 0.37 | 0.05 |
| AWS-035-07   | <a href="#">3SG/12/3</a>            | ★ ★ ★ ★     | ★ ★ ★ ★ ★     | 59% | 54% | 3.5 | 0.33 | 0.42 | 0.05 |
| AWS-035-08   | <a href="#">3/12Ar/3ET</a>          | ★ ★ ★ ☆     | ★ ★ ★ ★ ★ ☆   | 54% | 68% | 2.9 | 0.45 | 0.45 | 0.05 |
| AWS-035-09   | <a href="#">6/12/6</a>              | ★ ★ ★ ☆     | ★ ★ ★ ★ ★ ★   | 51% | 61% | 3.5 | 0.45 | 0.48 | 0.05 |
| AWS-035-10   | <a href="#">6SG/12/6</a>            | ★ ★ ★ ★ ☆   | ★ ★ ★ ★ ★     | 64% | 50% | 3.5 | 0.26 | 0.35 | 0.05 |
| AWS-035-11   | <a href="#">6/12/6ET</a>            | ★ ★ ★ ☆     | ★ ★ ★ ★ ★ ★   | 55% | 65% | 3.1 | 0.43 | 0.44 | 0.05 |
| AWS-035-12   | <a href="#">6SG/12/6ET</a>          | ★ ★ ★ ★ ★   | ★ ★ ★ ★ ★     | 68% | 54% | 3.1 | 0.23 | 0.33 | 0.05 |
| AWS-035-13   | <a href="#">6.38LamClr/12/6</a>     | ★ ★ ★ ☆     | ★ ★ ★ ★ ★ ★   | 51% | 61% | 3.5 | 0.44 | 0.48 | 0.05 |
| AWS-035-14   | <a href="#">6.38LamClr/12Ar/6</a>   | ★ ★ ★ ☆     | ★ ★ ★ ★ ★ ★   | 52% | 62% | 3.4 | 0.44 | 0.48 | 0.05 |
| AWS-035-15   | <a href="#">6.38SnClr/12/6</a>      | ★ ★ ★ ★ ☆   | ★ ★ ★ ★ ★ ☆   | 61% | 58% | 3.2 | 0.33 | 0.37 | 0.05 |
| AWS-035-16   | <a href="#">6.38SnClr/12Ar/6</a>    | ★ ★ ★ ★ ☆   | ★ ★ ★ ★ ★ ☆   | 62% | 60% | 3.0 | 0.33 | 0.37 | 0.05 |
| AWS-035-17   | <a href="#">6.38CPClr/12/6</a>      | ★ ★ ★ ★     | ★ ★ ★ ★ ★ ★   | 58% | 63% | 3.0 | 0.39 | 0.44 | 0.05 |
| AWS-035-18   | <a href="#">6.38CPClr/12Ar/6</a>    | ★ ★ ★ ★     | ★ ★ ★ ★ ★ ★   | 58% | 65% | 2.9 | 0.39 | 0.44 | 0.05 |
| AWS-035-19   | <a href="#">6.38CPGy/12/6</a>       | ★ ★ ★ ★ ★   | ★ ★ ★ ★ ★ ☆   | 65% | 56% | 3.0 | 0.27 | 0.21 | 0.05 |
| AWS-035-20   | <a href="#">6.38CPGy/12Ar/6</a>     | ★ ★ ★ ★ ★   | ★ ★ ★ ★ ★ ☆   | 66% | 58% | 2.9 | 0.27 | 0.21 | 0.05 |
| AWS-035-21   | <a href="#">6.38LamGy/12/6</a>      | ★ ★ ★ ★ ★ ☆ | ★ ★ ★ ★ ☆     | 70% | 44% | 3.5 | 0.17 | 0.07 | 0.05 |
| AWS-035-22   | <a href="#">6.38LamGy/12Ar/6</a>    | ★ ★ ★ ★ ★ ☆ | ★ ★ ★ ★ ☆     | 71% | 45% | 3.4 | 0.16 | 0.07 | 0.05 |
| AWS-035-23   | <a href="#">6.38SnGy/12/6</a>       | ★ ★ ★ ★ ☆   | ★ ★ ★ ★ ★ ☆   | 61% | 58% | 3.2 | 0.32 | 0.36 | 0.05 |
| AWS-035-24   | <a href="#">6.38SnGy/12Ar/6</a>     | ★ ★ ★ ★ ☆   | ★ ★ ★ ★ ★ ☆   | 62% | 59% | 3.0 | 0.32 | 0.36 | 0.05 |
| AWS-035-25   | <a href="#">6.38TLam/12/6</a>       | ★ ★ ★ ★ ★   | ★ ★ ★ ★ ☆     | 68% | 47% | 3.5 | 0.20 | 0.18 | 0.05 |
| AWS-035-26   | <a href="#">6.38TLam/12Ar/6</a>     | ★ ★ ★ ★ ★   | ★ ★ ★ ★ ☆     | 68% | 48% | 3.4 | 0.20 | 0.18 | 0.05 |
| AWS-035-27   | <a href="#">6.38EVanClr/12/6</a>    | ★ ★ ★ ★     | ★ ★ ★ ★ ★ ☆   | 57% | 57% | 3.5 | 0.36 | 0.36 | 0.05 |
| AWS-035-28   | <a href="#">6.38EVanClr/12Ar/6</a>  | ★ ★ ★ ★     | ★ ★ ★ ★ ★ ☆   | 58% | 58% | 3.4 | 0.36 | 0.36 | 0.05 |
| AWS-035-29   | <a href="#">6.38EVanGy/12/6</a>     | ★ ★ ★ ★ ★   | ★ ★ ★ ★ ★     | 68% | 53% | 3.1 | 0.22 | 0.18 | 0.05 |
| AWS-035-30   | <a href="#">6.38EVanGy/12Ar/6</a>   | ★ ★ ★ ★ ★ ☆ | ★ ★ ★ ★ ★     | 69% | 54% | 3.0 | 0.22 | 0.18 | 0.05 |
| AWS-035-31   | <a href="#">10.38LamClr/8/6</a>     | ★ ★ ★ ★     | ★ ★ ★ ★ ★     | 58% | 54% | 3.6 | 0.34 | 0.36 | 0.05 |
| AWS-035-32   | <a href="#">10.38LamClr/8Ar/6</a>   | ★ ★ ★ ★     | ★ ★ ★ ★ ★ ☆   | 59% | 55% | 3.5 | 0.33 | 0.36 | 0.05 |
| AWS-035-33   | <a href="#">10.38LamGy/8/6</a>      | ★ ★ ★ ★ ★ ☆ | ★ ★ ★ ★       | 73% | 41% | 3.6 | 0.13 | 0.06 | 0.05 |
| AWS-035-34   | <a href="#">10.38LamGy/8Ar/6</a>    | ★ ★ ★ ★ ★ ★ | ★ ★ ★ ★ ☆     | 73% | 42% | 3.5 | 0.13 | 0.06 | 0.05 |
| AWS-035-35   | <a href="#">10.38TLam/8/6</a>       | ★ ★ ★ ★ ☆   | ★ ★ ★ ★ ★ ☆   | 63% | 56% | 3.2 | 0.29 | 0.33 | 0.05 |
| AWS-035-36   | <a href="#">10.38SnClr/8/6</a>      | ★ ★ ★ ★ ☆   | ★ ★ ★ ★ ★ ☆   | 62% | 56% | 3.3 | 0.31 | 0.35 | 0.05 |
| AWS-035-37   | <a href="#">10.38SnClr/8Ar/6</a>    | ★ ★ ★ ★ ☆   | ★ ★ ★ ★ ★ ☆   | 63% | 57% | 3.1 | 0.31 | 0.35 | 0.05 |
| AWS-035-38   | <a href="#">6.38VLam/12/6SolE</a>   | ★ ★ ★ ★     | ★ ★ ★ ★ ★ ★   | 57% | 64% | 3.0 | 0.40 | 0.33 | 0.05 |
| AWS-035-39   | <a href="#">6.38VLam/12Ar/6SolE</a> | ★ ★ ★ ★     | ★ ★ ★ ★ ★ ★   | 57% | 64% | 3.0 | 0.40 | 0.33 | 0.05 |
| <b>DESIGNER THERMAL HEART SERIES 726 AWNING WINDOW - SINGLE GLAZED</b> |                                     |             |               |     |     |     |      |      |      |

|            |                             |           |             |     |     |     |      |      |      |
|------------|-----------------------------|-----------|-------------|-----|-----|-----|------|------|------|
| AWS-035-40 | <a href="#">4SnClr</a>      | ★ ★ ★     | ★ ★ ★ ★ ☆   | 50% | 45% | 4.6 | 0.39 | 0.42 | 0.05 |
| AWS-035-41 | <a href="#">6SnClr</a>      | ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 50% | 45% | 4.6 | 0.38 | 0.41 | 0.05 |
| AWS-035-42 | <a href="#">6EVanBG</a>     | ★ ★ ★ ★   | ★ ★ ★ ★ ☆   | 57% | 42% | 4.4 | 0.30 | 0.34 | 0.05 |
| AWS-035-43 | <a href="#">6EVanClr</a>    | ★ ★ ★ ☆   | ★ ★ ★ ★ ★   | 50% | 48% | 4.4 | 0.40 | 0.40 | 0.05 |
| AWS-035-44 | <a href="#">6EVanGy</a>     | ★ ★ ★ ★   | ★ ★ ★ ★ ★   | 59% | 41% | 4.4 | 0.27 | 0.19 | 0.05 |
| AWS-035-45 | <a href="#">6EVanSpB</a>    | ★ ★ ★ ★ ☆ | ★ ★ ★ ★ ★   | 61% | 39% | 4.4 | 0.25 | 0.24 | 0.05 |
| AWS-035-46 | <a href="#">6EVanSpGn</a>   | ★ ★ ★ ★ ☆ | ★ ★ ★ ★ ★   | 61% | 39% | 4.4 | 0.25 | 0.29 | 0.05 |
| AWS-035-47 | <a href="#">6.38LamGy</a>   | ★ ★ ★ ★   | ★ ★ ★       | 56% | 25% | 5.5 | 0.24 | 0.08 | 0.05 |
| AWS-035-48 | <a href="#">6.38TLam</a>    | ★ ★ ★ ☆   | ★ ★ ★ ☆     | 54% | 27% | 5.5 | 0.27 | 0.20 | 0.05 |
| AWS-035-49 | <a href="#">6.38SnClr</a>   | ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 51% | 46% | 4.5 | 0.37 | 0.41 | 0.05 |
| AWS-035-50 | <a href="#">6.38SnGy</a>    | ★ ★ ★ ★   | ★ ★ ★ ★ ★   | 57% | 40% | 4.5 | 0.29 | 0.19 | 0.05 |
| AWS-035-51 | <a href="#">6.38CPClr</a>   | ★ ★ ★     | ★ ★ ★ ★ ★ ★ | 48% | 52% | 4.3 | 0.44 | 0.50 | 0.05 |
| AWS-035-52 | <a href="#">6.38CPGn</a>    | ★ ★ ★ ★   | ★ ★ ★ ★ ★ ☆ | 56% | 46% | 4.3 | 0.33 | 0.43 | 0.05 |
| AWS-035-53 | <a href="#">6.38CPGy</a>    | ★ ★ ★ ★   | ★ ★ ★ ★ ★ ☆ | 56% | 45% | 4.3 | 0.32 | 0.24 | 0.05 |
| AWS-035-54 | <a href="#">10SnClr</a>     | ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 51% | 45% | 4.5 | 0.37 | 0.40 | 0.05 |
| AWS-035-55 | <a href="#">10.38LamClr</a> | ★ ★ ★     | ★ ★ ★ ★ ★   | 45% | 36% | 5.4 | 0.41 | 0.41 | 0.05 |
| AWS-035-56 | <a href="#">10.38LamGy</a>  | ★ ★ ★ ★   | ★ ★ ★       | 60% | 23% | 5.4 | 0.18 | 0.07 | 0.05 |
| AWS-035-57 | <a href="#">10.38Tlam</a>   | ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 55% | 46% | 4.2 | 0.33 | 0.37 | 0.05 |
| AWS-035-58 | <a href="#">10.38SnClr</a>  | ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 52% | 45% | 4.5 | 0.36 | 0.40 | 0.05 |

**DESIGNER THERMAL HEART SERIES 729/730 BI-FOLD DOOR - DOUBLE GLAZED**

|            |                                   |             |             |     |     |     |      |      |      |
|------------|-----------------------------------|-------------|-------------|-----|-----|-----|------|------|------|
| AWS-034-01 | <a href="#">4AZ/10/4ET</a>        | ★ ★ ★ ★ ★   | ★ ★ ★ ★ ★   | 67% | 39% | 2.8 | 0.27 | 0.38 | 0.39 |
| AWS-034-02 | <a href="#">4Clr/10Ar4ET</a>      | ★ ★ ★ ★     | ★ ★ ★ ★ ★ ★ | 56% | 50% | 2.7 | 0.44 | 0.45 | 0.39 |
| AWS-034-03 | <a href="#">4Clr/10/4Clr</a>      | ★ ★ ★ ☆     | ★ ★ ★ ★ ☆   | 50% | 45% | 3.3 | 0.47 | 0.49 | 0.39 |
| AWS-034-04 | <a href="#">4Clr/10/4ET</a>       | ★ ★ ★ ☆     | ★ ★ ★ ★ ★ ★ | 55% | 48% | 2.8 | 0.44 | 0.45 | 0.39 |
| AWS-034-05 | <a href="#">5Clr/8/5Clr</a>       | ★ ★ ★ ☆     | ★ ★ ★ ★ ☆   | 51% | 43% | 3.4 | 0.46 | 0.49 | 0.39 |
| AWS-034-06 | <a href="#">5SG/8Ar/5ET</a>       | ★ ★ ★ ★ ★   | ★ ★ ★ ★ ★   | 67% | 39% | 2.8 | 0.27 | 0.37 | 0.39 |
| AWS-034-07 | <a href="#">6Clr/12/6Clr</a>      | ★ ★ ★ ☆     | ★ ★ ★ ★ ☆   | 52% | 44% | 3.3 | 0.45 | 0.48 | 0.39 |
| AWS-034-08 | <a href="#">6SG/12/6Clr</a>       | ★ ★ ★ ★ ★   | ★ ★ ★ ☆     | 65% | 33% | 3.3 | 0.26 | 0.36 | 0.39 |
| AWS-034-09 | <a href="#">6/12/6ET</a>          | ★ ★ ★ ★     | ★ ★ ★ ★ ★ ★ | 56% | 48% | 2.8 | 0.43 | 0.45 | 0.39 |
| AWS-034-10 | <a href="#">6SG/12/6ET</a>        | ★ ★ ★ ★ ★ ☆ | ★ ★ ★ ★ ★   | 69% | 36% | 2.8 | 0.23 | 0.33 | 0.39 |
| AWS-034-11 | <a href="#">6.38LamClr/12/6</a>   | ★ ★ ★ ☆     | ★ ★ ★ ★ ☆   | 51% | 46% | 3.2 | 0.47 | 0.51 | 0.39 |
| AWS-034-12 | <a href="#">6.38LamClr/12Ar/6</a> | ★ ★ ★ ☆     | ★ ★ ★ ★ ☆   | 51% | 47% | 3.1 | 0.47 | 0.51 | 0.39 |
| AWS-034-13 | <a href="#">6.38SnClr/12/6</a>    | ★ ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 62% | 42% | 2.9 | 0.33 | 0.36 | 0.39 |
| AWS-034-14 | <a href="#">6.38SnClr/12Ar/6</a>  | ★ ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 63% | 43% | 2.7 | 0.33 | 0.36 | 0.39 |
| AWS-034-15 | <a href="#">6.38CPClr/12/6</a>    | ★ ★ ★ ★     | ★ ★ ★ ★ ★ ★ | 58% | 48% | 2.7 | 0.41 | 0.47 | 0.39 |
| AWS-034-16 | <a href="#">6.38CPClr/12Ar/6</a>  | ★ ★ ★ ★     | ★ ★ ★ ★ ★ ★ | 59% | 49% | 2.6 | 0.41 | 0.47 | 0.39 |
| AWS-034-17 | <a href="#">6.38CPGy/12/6</a>     | ★ ★ ★ ★ ★   | ★ ★ ★ ★ ★   | 66% | 41% | 2.7 | 0.29 | 0.22 | 0.39 |
| AWS-034-18 | <a href="#">6.38CPGy/12Ar/6</a>   | ★ ★ ★ ★ ★   | ★ ★ ★ ★ ☆   | 67% | 42% | 2.6 | 0.28 | 0.22 | 0.39 |
| AWS-034-19 | <a href="#">6.38LamGy/12/6</a>    | ★ ★ ★ ★ ★ ☆ | ★ ★ ★       | 71% | 28% | 3.2 | 0.17 | 0.08 | 0.39 |
| AWS-034-20 | <a href="#">6.38LamGy/12Ar/6</a>  | ★ ★ ★ ★ ★ ☆ | ★ ★ ★ ☆     | 72% | 28% | 3.1 | 0.17 | 0.08 | 0.39 |
| AWS-034-21 | <a href="#">6.38SnGy/12/6</a>     | ★ ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 62% | 43% | 2.8 | 0.34 | 0.39 | 0.39 |
| AWS-034-22 | <a href="#">6.38SnGy/12Ar/6</a>   | ★ ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 63% | 44% | 2.7 | 0.33 | 0.39 | 0.39 |

|            |                                     |         |         |     |     |     |      |      |      |
|------------|-------------------------------------|---------|---------|-----|-----|-----|------|------|------|
| AWS-034-23 | <a href="#">6.38TLam/12/6</a>       | ★★★★★   | ★★★☆☆   | 68% | 31% | 3.2 | 0.21 | 0.19 | 0.39 |
| AWS-034-24 | <a href="#">6.38TLam/12Ar/6</a>     | ★★★★★   | ★★★☆☆   | 69% | 31% | 3.1 | 0.21 | 0.19 | 0.39 |
| AWS-034-25 | <a href="#">6.38EVanClr/12/6</a>    | ★★★★★   | ★★★★★   | 57% | 41% | 3.2 | 0.38 | 0.39 | 0.39 |
| AWS-034-26 | <a href="#">6.38EVanClr/12Ar/6</a>  | ★★★★★   | ★★★★★☆☆ | 58% | 42% | 3.1 | 0.38 | 0.39 | 0.39 |
| AWS-034-27 | <a href="#">6.38EVanGy/12/6</a>     | ★★★★★   | ★★★★★   | 69% | 37% | 2.8 | 0.24 | 0.19 | 0.39 |
| AWS-034-28 | <a href="#">6.38EVanGy/12Ar/6</a>   | ★★★★★☆☆ | ★★★★★   | 70% | 38% | 2.7 | 0.23 | 0.19 | 0.39 |
| AWS-034-29 | <a href="#">10.38LamClr/8/6</a>     | ★★★★★   | ★★★★★   | 58% | 38% | 3.3 | 0.35 | 0.39 | 0.39 |
| AWS-034-30 | <a href="#">10.38LamClr/8Ar/6</a>   | ★★★★★   | ★★★★★   | 59% | 40% | 3.2 | 0.35 | 0.39 | 0.39 |
| AWS-034-31 | <a href="#">10.38LamGy/8/6</a>      | ★★★★★   | ★★★☆☆   | 74% | 24% | 3.3 | 0.13 | 0.07 | 0.39 |
| AWS-034-32 | <a href="#">10.38LamGy/8Ar/6</a>    | ★★★★★   | ★★★☆☆   | 74% | 25% | 3.2 | 0.13 | 0.07 | 0.39 |
| AWS-034-33 | <a href="#">10.38TLamGy/8/6</a>     | ★★★★★☆☆ | ★★★★★   | 64% | 40% | 2.9 | 0.30 | 0.35 | 0.39 |
| AWS-034-34 | <a href="#">10.38SnClr/8/6</a>      | ★★★★★☆☆ | ★★★★★   | 62% | 40% | 3.0 | 0.32 | 0.38 | 0.39 |
| AWS-034-35 | <a href="#">10.38SnClr/8Ar/6</a>    | ★★★★★☆☆ | ★★★★★☆☆ | 63% | 42% | 2.8 | 0.32 | 0.38 | 0.39 |
| AWS-034-36 | <a href="#">6.38VLam/12/6SolE</a>   | ★★★★★   | ★★★★★   | 57% | 48% | 2.7 | 0.42 | 0.35 | 0.39 |
| AWS-034-37 | <a href="#">6.38VLam/12Ar/6SolE</a> | ★★★★★   | ★★★★★   | 57% | 50% | 2.6 | 0.42 | 0.35 | 0.39 |

**DESIGNER THERMAL HEART SERIES 729/730 BI-FOLD DOOR - SINGLE GLAZED**

|            |                             |         |       |     |     |     |      |      |      |
|------------|-----------------------------|---------|-------|-----|-----|-----|------|------|------|
| AWS-034-38 | <a href="#">4SnClr</a>      | ★★★☆☆   | ★★★☆☆ | 44% | 20% | 5.2 | 0.43 | 0.46 | 0.39 |
| AWS-034-39 | <a href="#">6SnClr</a>      | ★★★★☆☆  | ★★★☆☆ | 51% | 32% | 4.1 | 0.40 | 0.44 | 0.39 |
| AWS-034-40 | <a href="#">6EVanBG</a>     | ★★★★★   | ★★★☆☆ | 58% | 29% | 3.9 | 0.31 | 0.37 | 0.39 |
| AWS-034-41 | <a href="#">6EVanClr</a>    | ★★★★★☆☆ | ★★★☆☆ | 51% | 35% | 3.9 | 0.42 | 0.43 | 0.39 |
| AWS-034-42 | <a href="#">6EVanGy</a>     | ★★★★★☆☆ | ★★★☆☆ | 60% | 27% | 3.9 | 0.28 | 0.21 | 0.39 |
| AWS-034-43 | <a href="#">6EVanSpB</a>    | ★★★★★☆☆ | ★★★☆☆ | 62% | 25% | 3.9 | 0.25 | 0.25 | 0.39 |
| AWS-034-44 | <a href="#">6EVanSpGn</a>   | ★★★★★☆☆ | ★★★☆☆ | 62% | 25% | 3.9 | 0.25 | 0.31 | 0.39 |
| AWS-034-45 | <a href="#">6.38LamGy</a>   | ★★★★★   | ★★☆☆* | 57% | 10% | 5.2 | 0.25 | 0.08 | 0.39 |
| AWS-034-46 | <a href="#">6.38TLam</a>    | ★★★★★☆☆ | ★★☆☆* | 55% | 12% | 5.2 | 0.28 | 0.22 | 0.39 |
| AWS-034-47 | <a href="#">6.38SnClr</a>   | ★★★★★☆☆ | ★★★☆☆ | 52% | 32% | 4.1 | 0.39 | 0.44 | 0.39 |
| AWS-034-48 | <a href="#">6.38SnGy</a>    | ★★★★★   | ★★★☆☆ | 59% | 26% | 4.1 | 0.30 | 0.21 | 0.39 |
| AWS-034-49 | <a href="#">6.38CPClr</a>   | ★★★★★   | ★★★★★ | 49% | 39% | 3.8 | 0.46 | 0.53 | 0.39 |
| AWS-034-50 | <a href="#">6.38CPGn</a>    | ★★★★★   | ★★★☆☆ | 57% | 32% | 3.8 | 0.34 | 0.46 | 0.39 |
| AWS-034-51 | <a href="#">6.38CPGy</a>    | ★★★★★   | ★★★☆☆ | 57% | 32% | 3.8 | 0.34 | 0.25 | 0.39 |
| AWS-034-52 | <a href="#">10SnClr</a>     | ★★★★★☆☆ | ★★★☆☆ | 52% | 31% | 4.1 | 0.39 | 0.43 | 0.39 |
| AWS-034-53 | <a href="#">10.38LamClr</a> | ★★★★★   | ★★★☆☆ | 45% | 21% | 5.1 | 0.43 | 0.44 | 0.39 |
| AWS-034-54 | <a href="#">10.38LamGy</a>  | ★★★★★☆☆ | ★★☆☆* | 61% | 7%  | 5.1 | 0.19 | 0.07 | 0.39 |
| AWS-034-55 | <a href="#">10.38TLam</a>   | ★★★★★   | ★★★☆☆ | 57% | 33% | 3.8 | 0.35 | 0.39 | 0.39 |
| AWS-034-56 | <a href="#">10.38SnClr</a>  | ★★★★★☆☆ | ★★★★★ | 52% | 36% | 3.8 | 0.42 | 0.42 | 0.39 |

**DESIGNER THERMAL HEART SERIES 731 SLIDING DOOR - DOUBLE GLAZED**

|            |                             |         |         |     |     |     |      |      |      |
|------------|-----------------------------|---------|---------|-----|-----|-----|------|------|------|
| AWS-037-01 | <a href="#">4/10/4</a>      | ★★★★    | ★★★★★   | 45% | 49% | 3.3 | 0.55 | 0.58 | 0.53 |
| AWS-037-02 | <a href="#">4/10/4ET</a>    | ★★★★☆☆  | ★★★★★   | 50% | 53% | 2.7 | 0.51 | 0.53 | 0.53 |
| AWS-037-03 | <a href="#">4/10Ar/4ET</a>  | ★★★★★☆☆ | ★★★★★☆☆ | 51% | 55% | 2.5 | 0.52 | 0.53 | 0.53 |
| AWS-037-04 | <a href="#">4Az/12/3ET</a>  | ★★★★★   | ★★★☆☆   | 65% | 42% | 2.7 | 0.30 | 0.45 | 0.53 |
| AWS-037-05 | <a href="#">5/8/5</a>       | ★★★★    | ★★★☆☆   | 45% | 47% | 3.4 | 0.53 | 0.58 | 0.53 |
| AWS-037-06 | <a href="#">5SG/8Ar/5ET</a> | ★★★★★   | ★★★☆☆   | 65% | 43% | 2.6 | 0.31 | 0.44 | 0.53 |

|            |                                    |           |             |     |     |     |      |      |      |
|------------|------------------------------------|-----------|-------------|-----|-----|-----|------|------|------|
| AWS-037-07 | <a href="#">6/12/6</a>             | ★ ★ ★     | ★ ★ ★ ★ ★   | 47% | 48% | 3.2 | 0.52 | 0.57 | 0.53 |
| AWS-037-08 | <a href="#">6/12/6ET</a>           | ★ ★ ★ ☆   | ★ ★ ★ ★ ★   | 52% | 53% | 2.7 | 0.49 | 0.53 | 0.53 |
| AWS-037-09 | <a href="#">6SG/12/6</a>           | ★ ★ ★ ☆   | ★ ★ ★ ★     | 63% | 36% | 3.2 | 0.30 | 0.42 | 0.53 |
| AWS-037-10 | <a href="#">6SG/12/6ET</a>         | ★ ★ ★ ★ ★ | ★ ★ ★ ★     | 68% | 40% | 2.7 | 0.26 | 0.39 | 0.53 |
| AWS-037-11 | <a href="#">3/12Ar/3ET</a>         | ★ ★ ★     | ★ ★ ★ ★ ★ ☆ | 50% | 57% | 2.5 | 0.53 | 0.54 | 0.53 |
| AWS-037-12 | <a href="#">3SG/12/3</a>           | ★ ★ ★ ★   | ★ ★ ★ ★     | 57% | 41% | 3.2 | 0.38 | 0.50 | 0.53 |
| AWS-037-13 | <a href="#">4Az/10Ar/4ET</a>       | ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 65% | 41% | 2.7 | 0.30 | 0.45 | 0.53 |
| AWS-037-14 | <a href="#">4/10/4</a>             | ★ ★ ★     | ★ ★ ★ ★ ★   | 45% | 49% | 3.3 | 0.55 | 0.58 | 0.53 |
| AWS-037-15 | <a href="#">4/10/4ET</a>           | ★ ★ ★ ☆   | ★ ★ ★ ★ ★   | 50% | 53% | 2.7 | 0.51 | 0.53 | 0.53 |
| AWS-037-16 | <a href="#">4/10Ar/4ET</a>         | ★ ★ ★ ☆   | ★ ★ ★ ★ ★ ☆ | 51% | 55% | 2.5 | 0.51 | 0.53 | 0.53 |
| AWS-037-17 | <a href="#">4SnClr/10/4</a>        | ★ ★ ★ ★   | ★ ★ ★ ★ ☆   | 58% | 45% | 2.9 | 0.39 | 0.45 | 0.53 |
| AWS-037-18 | <a href="#">4SnClr/10Ar/4</a>      | ★ ★ ★ ★   | ★ ★ ★ ★ ☆   | 59% | 47% | 2.7 | 0.39 | 0.45 | 0.53 |
| AWS-037-19 | <a href="#">5/8/5</a>              | ★ ★ ★     | ★ ★ ★ ★ ☆   | 45% | 47% | 3.4 | 0.53 | 0.57 | 0.53 |
| AWS-037-20 | <a href="#">5SG/8Ar/5ET</a>        | ★ ★ ★ ★ ★ | ★ ★ ★ ★ ☆   | 65% | 43% | 2.6 | 0.31 | 0.44 | 0.53 |
| AWS-037-21 | <a href="#">6.38LamClr/12/6</a>    | ★ ★ ★     | ★ ★ ★ ★ ★   | 48% | 48% | 3.2 | 0.51 | 0.57 | 0.53 |
| AWS-037-22 | <a href="#">6.38LamClr/12Ar/6</a>  | ★ ★ ★     | ★ ★ ★ ★ ★   | 48% | 49% | 3.1 | 0.51 | 0.57 | 0.53 |
| AWS-037-23 | <a href="#">6.38SnClr/12/6</a>     | ★ ★ ★ ★   | ★ ★ ★ ★ ☆   | 59% | 45% | 2.8 | 0.38 | 0.44 | 0.53 |
| AWS-037-24 | <a href="#">6.38SnClr/12Ar/6</a>   | ★ ★ ★ ★   | ★ ★ ★ ★ ☆   | 60% | 47% | 2.7 | 0.38 | 0.44 | 0.53 |
| AWS-037-25 | <a href="#">6.38CPClr/8/4</a>      | ★ ★ ★ ☆   | ★ ★ ★ ★ ★   | 54% | 49% | 2.9 | 0.45 | 0.53 | 0.53 |
| AWS-037-26 | <a href="#">6.38CPClr/8Ar/4</a>    | ★ ★ ★ ☆   | ★ ★ ★ ★ ★   | 55% | 51% | 2.6 | 0.45 | 0.53 | 0.53 |
| AWS-037-27 | <a href="#">6.38CPClr/12/6</a>     | ★ ★ ★ ★   | ★ ★ ★ ★ ★   | 55% | 51% | 2.7 | 0.45 | 0.53 | 0.53 |
| AWS-037-28 | <a href="#">6.38CPClr/12Ar/6</a>   | ★ ★ ★ ★   | ★ ★ ★ ★ ★   | 56% | 52% | 2.5 | 0.45 | 0.53 | 0.53 |
| AWS-037-29 | <a href="#">6.38CPGy/8/4</a>       | ★ ★ ★ ☆   | ★ ★ ★ ★     | 63% | 41% | 2.9 | 0.32 | 0.25 | 0.53 |
| AWS-037-30 | <a href="#">6.38CPGy/8Ar/4</a>     | ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 64% | 43% | 2.6 | 0.32 | 0.25 | 0.53 |
| AWS-037-31 | <a href="#">6.38CPGy/12/6</a>      | ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 64% | 43% | 2.7 | 0.31 | 0.25 | 0.53 |
| AWS-037-32 | <a href="#">6.38CPGy/12Ar/6</a>    | ★ ★ ★ ★ ★ | ★ ★ ★ ★ ☆   | 66% | 45% | 2.5 | 0.31 | 0.25 | 0.53 |
| AWS-037-33 | <a href="#">6.38LamGy/12/6</a>     | ★ ★ ★ ★ ☆ | ★ ★ ★ ☆     | 71% | 29% | 3.2 | 0.18 | 0.09 | 0.53 |
| AWS-037-34 | <a href="#">6.38LamGy/12Ar/6</a>   | ★ ★ ★ ★ ☆ | ★ ★ ★ ☆     | 71% | 29% | 3.1 | 0.18 | 0.09 | 0.53 |
| AWS-037-35 | <a href="#">6.38SnGy/12/6</a>      | ★ ★ ★ ★   | ★ ★ ★ ★ ☆   | 60% | 45% | 2.8 | 0.37 | 0.43 | 0.53 |
| AWS-037-36 | <a href="#">6.38SnGy/12Ar/6</a>    | ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 61% | 46% | 2.6 | 0.37 | 0.43 | 0.53 |
| AWS-037-37 | <a href="#">6.38TLam/12/6</a>      | ★ ★ ★ ★ ★ | ★ ★ ★ ☆     | 67% | 32% | 3.2 | 0.23 | 0.22 | 0.53 |
| AWS-037-38 | <a href="#">6.38TLam/12Ar/6</a>    | ★ ★ ★ ★ ★ | ★ ★ ★ ☆     | 68% | 33% | 3.1 | 0.23 | 0.22 | 0.53 |
| AWS-037-39 | <a href="#">6.38SnClr/12/6</a>     | ★ ★ ★ ★   | ★ ★ ★ ★ ☆   | 59% | 45% | 2.8 | 0.38 | 0.44 | 0.53 |
| AWS-037-40 | <a href="#">6.38SnClr/12Ar/6</a>   | ★ ★ ★ ★   | ★ ★ ★ ★ ☆   | 60% | 47% | 2.7 | 0.38 | 0.44 | 0.53 |
| AWS-037-41 | <a href="#">6.38EVanClr/12/6</a>   | ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 55% | 43% | 3.2 | 0.41 | 0.43 | 0.53 |
| AWS-037-42 | <a href="#">6.38EVanClr/12Ar/6</a> | ★ ★ ★ ★   | ★ ★ ★ ★ ☆   | 56% | 44% | 3.1 | 0.41 | 0.43 | 0.53 |
| AWS-037-43 | <a href="#">6.38EVanGy/12/6</a>    | ★ ★ ★ ★ ★ | ★ ★ ★ ★     | 68% | 39% | 2.7 | 0.25 | 0.21 | 0.53 |
| AWS-037-44 | <a href="#">6.38EVanGy/12Ar/6</a>  | ★ ★ ★ ★ ☆ | ★ ★ ★ ★     | 69% | 40% | 2.6 | 0.25 | 0.21 | 0.53 |
| AWS-037-45 | <a href="#">10.38LamClr/8/6</a>    | ★ ★ ★ ★   | ★ ★ ★ ★     | 56% | 40% | 3.3 | 0.39 | 0.43 | 0.53 |
| AWS-037-46 | <a href="#">10.38LamClr/8Ar/6</a>  | ★ ★ ★ ★   | ★ ★ ★ ★ ☆   | 57% | 42% | 3.2 | 0.38 | 0.43 | 0.53 |
| AWS-037-47 | <a href="#">10.38SnClr/8/6</a>     | ★ ★ ★ ★   | ★ ★ ★ ★ ☆   | 59% | 43% | 3.0 | 0.37 | 0.43 | 0.53 |
| AWS-037-48 | <a href="#">10.38SnClr/8Ar/6</a>   | ★ ★ ★ ☆   | ★ ★ ★ ★ ☆   | 60% | 45% | 2.8 | 0.36 | 0.43 | 0.53 |

|  |                                   |       |       |     |     |     |      |      |      |
|--|-----------------------------------|-------|-------|-----|-----|-----|------|------|------|
| AWS-037-49   | <a href="#">10.38LamGy/8/6</a>    | ★★★★★ | ★★★   | 73% | 24% | 3.3 | 0.14 | 0.07 | 0.53 |
| AWS-037-50   | <a href="#">10.38LamGy/8Ar/6</a>  | ★★★★★ | ★★★   | 74% | 26% | 3.2 | 0.14 | 0.07 | 0.53 |
| AWS-037-51   | <a href="#">10.38TLamGy/8/6</a>   | ★★★★☆ | ★★★★☆ | 62% | 42% | 2.8 | 0.33 | 0.39 | 0.53 |
| AWS-037-52   | <a href="#">10.38SnClr/8/6</a>    | ★★★★  | ★★★★☆ | 59% | 43% | 3.0 | 0.37 | 0.43 | 0.53 |
| AWS-037-53   | <a href="#">10.38SnClr/8Ar/6</a>  | ★★★★☆ | ★★★★☆ | 60% | 45% | 2.8 | 0.36 | 0.43 | 0.53 |
| <b>DESIGNER THERMAL HEART SERIES 731 SLIDING DOOR - SINGLE GLAZED</b>    |                                   |       |       |     |     |     |      |      |      |
| AWS-037-54   | <a href="#">4SnClr</a>            | ★★★   | ★★★★  | 49% | 36% | 3.9 | 0.45 | 0.49 | 0.53 |
| AWS-037-55   | <a href="#">6SnClr</a>            | ★★★   | ★★★★  | 50% | 36% | 3.9 | 0.44 | 0.49 | 0.53 |
| AWS-037-56   | <a href="#">6EVanBG</a>           | ★★★★  | ★★★★☆ | 58% | 33% | 3.7 | 0.33 | 0.41 | 0.53 |
| AWS-037-57   | <a href="#">6EVanClr</a>          | ★★★   | ★★★★  | 50% | 40% | 3.7 | 0.46 | 0.48 | 0.53 |
| AWS-037-58   | <a href="#">6EVanGy</a>           | ★★★★☆ | ★★★★☆ | 60% | 31% | 3.7 | 0.30 | 0.23 | 0.53 |
| AWS-037-59   | <a href="#">6EVanSpB</a>          | ★★★★☆ | ★★★★☆ | 63% | 29% | 3.7 | 0.27 | 0.28 | 0.53 |
| AWS-037-60   | <a href="#">6EVanSpGn</a>         | ★★★★☆ | ★★★★☆ | 62% | 29% | 3.7 | 0.27 | 0.35 | 0.53 |
| AWS-037-61   | <a href="#">6.38LamGy</a>         | ★★★★  | ★★    | 56% | 11% | 5.1 | 0.26 | 0.09 | 0.53 |
| AWS-037-62   | <a href="#">6.38LamClr</a>        | ★★    | ★★★★☆ | 32% | 30% | 5.1 | 0.59 | 0.64 | 0.53 |
| AWS-037-63   | <a href="#">6.38TLam</a>          | ★★★★☆ | ★★    | 53% | 14% | 5.1 | 0.30 | 0.24 | 0.53 |
| AWS-037-64   | <a href="#">6.38SnClr</a>         | ★★★★☆ | ★★★★  | 51% | 36% | 3.8 | 0.43 | 0.49 | 0.53 |
| AWS-037-65   | <a href="#">6.38SnGy</a>          | ★★★★  | ★★★★☆ | 58% | 30% | 3.8 | 0.32 | 0.23 | 0.53 |
| AWS-037-66   | <a href="#">6.38Sct</a>           | ★★★   | ★★★★☆ | 47% | 44% | 3.5 | 0.50 | 0.59 | 0.53 |
| AWS-037-67   | <a href="#">6.38CPNtrl</a>        | ★★★★  | ★★★★  | 56% | 37% | 3.5 | 0.38 | 0.42 | 0.53 |
| AWS-037-68   | <a href="#">6.38CPClr</a>         | ★★★   | ★★★★☆ | 47% | 44% | 3.5 | 0.50 | 0.59 | 0.53 |
| AWS-037-69   | <a href="#">6.38CPGn</a>          | ★★★★  | ★★★★  | 56% | 37% | 3.5 | 0.37 | 0.51 | 0.53 |
| AWS-037-70   | <a href="#">6.38CPGy</a>          | ★★★★  | ★★★★  | 57% | 36% | 3.5 | 0.36 | 0.28 | 0.53 |
| AWS-037-71   | <a href="#">10SnClr</a>           | ★★★★☆ | ★★★★  | 51% | 36% | 3.9 | 0.42 | 0.48 | 0.53 |
| AWS-037-72   | <a href="#">10.38LamClr</a>       | ★★★   | ★★★   | 43% | 25% | 5.0 | 0.46 | 0.49 | 0.53 |
| AWS-037-73   | <a href="#">10.38LamGy</a>        | ★★★★  | ★★★★  | 56% | 37% | 3.5 | 0.38 | 0.43 | 0.53 |
| AWS-037-74   | <a href="#">10.38Tlam</a>         | ★★★★  | ★★★★  | 56% | 37% | 3.5 | 0.38 | 0.43 | 0.53 |
| AWS-037-75   | <a href="#">10.38SnClr</a>        | ★★★★☆ | ★★★★  | 52% | 35% | 3.8 | 0.41 | 0.47 | 0.53 |
| <b>DESIGNER THERMAL HEART SERIES 726 FIXED WINDOW - DOUBLE GLAZED</b>    |                                   |       |       |     |     |     |      |      |      |
| AWS-049-01   | <a href="#">6.38CPClr/12/6Clr</a> | ★★★★☆ | ★★★★☆ | 52% | 57% | 2.4 | 0.51 | 0.61 | 0.05 |
| AWS-049-02   | <a href="#">6.38VLAM/12/6Clr</a>  | ★★★   | ★★★★☆ | 42% | 53% | 3.1 | 0.59 | 0.66 | 0.05 |
| AWS-049-03   | <a href="#">6.38CPGy/12/6Clr</a>  | ★★★★☆ | ★★★★  | 62% | 48% | 2.5 | 0.36 | 0.29 | 0.05 |
| AWS-049-04   | <a href="#">6SG/12/6ET</a>        | ★★★★★ | ★★★★☆ | 66% | 45% | 2.5 | 0.30 | 0.46 | 0.05 |
| <b>DESIGNER THERMAL HEART SERIES 726 FIXED WINDOW - SINGLE GLAZED</b>    |                                   |       |       |     |     |     |      |      |      |
| AWS-050-01   | <a href="#">6.38VLAM</a>          | ★     | ★★★   | 21% | 28% | 5.5 | 0.69 | 0.75 | 0.05 |
| AWS-050-02   | <a href="#">6.38CPNtl</a>         | ★★★★☆ | ★★★★  | 51% | 38% | 3.8 | 0.43 | 0.49 | 0.05 |
| AWS-050-03   | <a href="#">6.38CPClr</a>         | ★★★   | ★★★★☆ | 40% | 45% | 3.8 | 0.58 | 0.69 | 0.05 |
| AWS-050-04   | <a href="#">6.38CPGy</a>          | ☆     | ★★★★☆ | 9%  | 56% | 3.8 | 0.85 | 0.33 | 0.05 |
| AWS-050-05   | <a href="#">6.38CPGn</a>          | ★★★★☆ | ★★★★  | 51% | 37% | 3.8 | 0.43 | 0.60 | 0.05 |
| <b>ARCHITECTURAL COMMERCIAL SERIES 462 SLIDING WINDOW- SINGLE GLAZED</b> |                                   |       |       |     |     |     |      |      |      |
| AWS-030-01   | <a href="#">5CLR</a>              | ★     | ★★☆   | 21% | 20% | 6.0 | 0.66 | 0.69 | 1.15 |
| AWS-030-02   | <a href="#">5SG</a>               | ★★    | ★★    | 38% | 10% | 6.0 | 0.46 | 0.57 | 1.15 |

|            |                             |         |         |     |     |     |      |      |      |
|------------|-----------------------------|---------|---------|-----|-----|-----|------|------|------|
| AWS-030-03 | <a href="#">5GY</a>         | ★ ★     | ★ ★     | 36% | 12% | 6.0 | 0.49 | 0.39 | 1.15 |
| AWS-030-04 | <a href="#">6.38Sct</a>     | ★ ★ ☆   | ★ ★ ★ ★ | 41% | 37% | 4.3 | 0.54 | 0.63 | 1.15 |
| AWS-030-05 | <a href="#">6.38VLam</a>    | ★       | ★ ★ ☆   | 23% | 20% | 5.9 | 0.65 | 0.69 | 1.15 |
| AWS-030-06 | <a href="#">4SnClr</a>      | ★ ★ ☆   | ★ ★ ★   | 43% | 26% | 4.8 | 0.46 | 0.51 | 1.15 |
| AWS-030-07 | <a href="#">6SnClr</a>      | ★ ★ ☆   | ★ ★ ★   | 44% | 26% | 4.8 | 0.45 | 0.50 | 1.15 |
| AWS-030-08 | <a href="#">6EVanBG</a>     | ★ ★ ★ ☆ | ★ ★ ★   | 53% | 22% | 4.6 | 0.35 | 0.42 | 1.15 |
| AWS-030-09 | <a href="#">6EVanClr</a>    | ★ ★ ☆   | ★ ★ ★ ☆ | 44% | 30% | 4.6 | 0.48 | 0.49 | 1.15 |
| AWS-030-10 | <a href="#">6EVanGy</a>     | ★ ★ ★ ☆ | ★ ★ ☆   | 55% | 20% | 4.6 | 0.31 | 0.24 | 1.15 |
| AWS-030-11 | <a href="#">6EVanSpB</a>    | ★ ★ ★ ★ | ★ ★ ☆   | 57% | 18% | 4.6 | 0.28 | 0.29 | 1.15 |
| AWS-030-12 | <a href="#">6EVanSpGn</a>   | ★ ★ ★ ★ | ★ ★ ☆   | 57% | 18% | 4.6 | 0.28 | 0.35 | 1.15 |
| AWS-030-13 | <a href="#">6.38LamGy</a>   | ★ ★ ★ ☆ |         | 51% | -1% | 6.0 | 0.27 | 0.10 | 1.15 |
| AWS-030-14 | <a href="#">6.38TLam</a>    | ★ ★ ★   | ★ ☆     | 48% | 2%  | 6.0 | 0.31 | 0.25 | 1.15 |
| AWS-030-15 | <a href="#">6.38SnClr</a>   | ★ ★ ★   | ★ ★ ★   | 46% | 26% | 4.7 | 0.44 | 0.50 | 1.15 |
| AWS-030-16 | <a href="#">6.38SnGy</a>    | ★ ★ ★ ☆ | ★ ★ ☆   | 53% | 20% | 4.7 | 0.33 | 0.24 | 1.15 |
| AWS-030-17 | <a href="#">6.38CPClr</a>   | ★ ★ ☆   | ★ ★ ★ ☆ | 41% | 34% | 4.4 | 0.52 | 0.61 | 1.15 |
| AWS-030-18 | <a href="#">6.38CPGn</a>    | ★ ★ ★ ☆ | ★ ★ ★   | 51% | 27% | 4.4 | 0.38 | 0.53 | 1.15 |
| AWS-030-19 | <a href="#">6.38CPGy</a>    | ★ ★ ★ ☆ | ★ ★ ★   | 51% | 26% | 4.4 | 0.38 | 0.29 | 1.15 |
| AWS-030-20 | <a href="#">10.38GyLam</a>  | ★ ★ ★ ★ |         | 57% | -7% | 6.0 | 0.18 | 0.07 | 1.15 |
| AWS-030-21 | <a href="#">10.38ClrLam</a> | ★ ★ ☆   | ★ ★     | 42% | 7%  | 6.0 | 0.41 | 0.41 | 1.15 |
| AWS-030-22 | <a href="#">10.38SnClr</a>  | ★ ★ ★   | ★ ★ ☆   | 50% | 17% | 5.1 | 0.36 | 0.40 | 1.15 |
| AWS-030-23 | <a href="#">10SnClr</a>     | ★ ★ ★ ☆ | ★ ★ ☆   | 53% | 19% | 4.8 | 0.33 | 0.36 | 1.15 |
| AWS-030-24 | <a href="#">10.38TLam</a>   | ★ ★ ★ ☆ | ★ ★ ☆   | 53% | 18% | 4.8 | 0.33 | 0.36 | 1.15 |

**ARCHITECTURAL COMMERCIAL SERIES 462 SLIDING WINDOW- DOUBLE GLAZED**

|            |                                 |           |           |     |     |     |      |      |      |
|------------|---------------------------------|-----------|-----------|-----|-----|-----|------|------|------|
| AWS-030-25 | <a href="#">4/10/4</a>          | ★ ★ ☆     | ★ ★ ★ ★   | 40% | 40% | 4.0 | 0.56 | 0.58 | 1.15 |
| AWS-030-26 | <a href="#">5/8/5</a>           | ★ ★ ☆     | ★ ★ ★ ★   | 41% | 39% | 4.1 | 0.54 | 0.58 | 1.15 |
| AWS-030-27 | <a href="#">4/10/4ET</a>        | ★ ★ ★     | ★ ★ ★ ★ ☆ | 46% | 44% | 3.5 | 0.52 | 0.54 | 1.15 |
| AWS-030-28 | <a href="#">4/10Ar/4ET</a>      | ★ ★ ★     | ★ ★ ★ ★ ☆ | 47% | 47% | 3.3 | 0.52 | 0.54 | 1.15 |
| AWS-030-29 | <a href="#">4Az/10/4ET</a>      | ★ ★ ★ ★ ☆ | ★ ★ ★ ☆   | 61% | 33% | 3.5 | 0.31 | 0.45 | 1.15 |
| AWS-030-30 | <a href="#">5SG/8Ar/5ET</a>     | ★ ★ ★ ★ ☆ | ★ ★ ★ ☆   | 61% | 34% | 3.4 | 0.32 | 0.44 | 1.15 |
| AWS-030-31 | <a href="#">4SnClr/10/4</a>     | ★ ★ ★ ☆   | ★ ★ ★     | 54% | 26% | 4.3 | 0.34 | 0.37 | 1.15 |
| AWS-030-32 | <a href="#">4SnClr/10Ar/4</a>   | ★ ★ ★ ☆   | ★ ★ ★     | 55% | 27% | 4.1 | 0.34 | 0.37 | 1.15 |
| AWS-030-33 | <a href="#">6.38CPClr/8/4</a>   | ★ ★ ★ ☆   | ★ ★ ★ ☆   | 51% | 29% | 4.3 | 0.39 | 0.44 | 1.15 |
| AWS-030-34 | <a href="#">6.38CPClr/8Ar/4</a> | ★ ★ ★ ☆   | ★ ★ ★ ☆   | 53% | 31% | 4.0 | 0.39 | 0.44 | 1.15 |
| AWS-030-35 | <a href="#">6.38CPGy/8/4</a>    | ★ ★ ★ ★   | ★ ★ ★     | 59% | 22% | 4.3 | 0.28 | 0.21 | 1.15 |
| AWS-030-36 | <a href="#">6.38CPGy/8Ar/4</a>  | ★ ★ ★ ★   | ★ ★ ★     | 60% | 24% | 4.1 | 0.28 | 0.21 | 1.15 |
| AWS-030-37 | <a href="#">6SnClr/10/6</a>     | ★ ★ ★ ★   | ★ ★ ★     | 55% | 25% | 4.3 | 0.33 | 0.36 | 1.15 |
| AWS-030-38 | <a href="#">6SnClr/10Ar/6</a>   | ★ ★ ★ ★   | ★ ★ ★     | 56% | 27% | 4.1 | 0.33 | 0.36 | 1.15 |
| AWS-030-39 | <a href="#">10SnClr/6/6</a>     | ★ ★ ★ ☆   | ★ ★ ★     | 55% | 22% | 4.5 | 0.32 | 0.35 | 1.15 |
| AWS-030-40 | <a href="#">10SnClr/6Ar/6</a>   | ★ ★ ★ ★   | ★ ★ ★     | 56% | 24% | 4.3 | 0.32 | 0.35 | 1.15 |

**ARCHITECTURAL COMMERCIAL SERIES 463 DOUBLE HUNG WINDOW- SINGLE GLAZED**

|            |                      |       |     |     |     |     |      |      |      |
|------------|----------------------|-------|-----|-----|-----|-----|------|------|------|
| AWS-031-01 | <a href="#">5CLR</a> | ★ ☆   | ★ ☆ | 26% | 5%  | 6.5 | 0.58 | 0.60 | 4.75 |
| AWS-031-02 | <a href="#">5SG</a>  | ★ ★ ☆ |     | 39% | -3% | 6.5 | 0.40 | 0.49 | 4.75 |

|            |                             |         |       |     |      |     |      |      |      |
|------------|-----------------------------|---------|-------|-----|------|-----|------|------|------|
| AWS-031-03 | <a href="#">5GY</a>         | ★ ★     |       | 37% | -2%  | 6.5 | 0.43 | 0.34 | 4.75 |
| AWS-031-04 | <a href="#">6.38Sct</a>     | ★ ★ ☆   | ★ ★ ☆ | 41% | 20%  | 5.0 | 0.47 | 0.54 | 4.75 |
| AWS-031-05 | <a href="#">6.38VLam</a>    | ★ ☆     | ★ ☆   | 28% | 6%   | 6.4 | 0.57 | 0.60 | 4.75 |
| AWS-031-06 | <a href="#">4SnClr</a>      | ★ ★ ☆   | ★ ★   | 43% | 13%  | 5.4 | 0.43 | 0.46 | 4.75 |
| AWS-031-07 | <a href="#">6SnClr</a>      | ★ ★ ☆   | ★ ★   | 44% | 13%  | 5.3 | 0.42 | 0.45 | 4.75 |
| AWS-031-08 | <a href="#">6EVanBG</a>     | ★ ★ ☆   | ★ ★   | 44% | 13%  | 5.4 | 0.42 | 0.45 | 4.75 |
| AWS-031-09 | <a href="#">6EVanClr</a>    | ★ ★ ☆   | ★ ★ ☆ | 43% | 17%  | 5.2 | 0.44 | 0.45 | 4.75 |
| AWS-031-10 | <a href="#">6EVanGy</a>     | ★ ★ ★ ☆ | ★ ★   | 53% | 8%   | 5.2 | 0.29 | 0.22 | 4.75 |
| AWS-031-11 | <a href="#">6EVanSpB</a>    | ★ ★ ★ ★ | ★ ☆   | 55% | 6%   | 5.2 | 0.26 | 0.26 | 4.75 |
| AWS-031-12 | <a href="#">6EVanSpGn</a>   | ★ ★ ★ ★ | ★ ☆   | 55% | 6%   | 5.2 | 0.26 | 0.32 | 4.75 |
| AWS-031-13 | <a href="#">6.38LamGy</a>   | ★ ★ ★   |       | 50% | -12% | 6.4 | 0.26 | 0.09 | 4.75 |
| AWS-031-14 | <a href="#">6.38TLam</a>    | ★ ★ ★   |       | 47% | -9%  | 6.4 | 0.29 | 0.22 | 4.75 |
| AWS-031-15 | <a href="#">6.38SnClr</a>   | ★ ★ ★   | ★ ★   | 45% | 13%  | 5.3 | 0.41 | 0.45 | 4.75 |
| AWS-031-16 | <a href="#">6.38SnGy</a>    | ★ ★ ★ ☆ | ★ ★   | 51% | 7%   | 5.3 | 0.31 | 0.21 | 4.75 |
| AWS-031-17 | <a href="#">6.38CPClr</a>   | ★ ★ ☆   | ★ ★ ☆ | 41% | 21%  | 5.0 | 0.48 | 0.55 | 4.75 |
| AWS-031-18 | <a href="#">6.38CPGn</a>    | ★ ★ ☆   | ★ ★ ☆ | 41% | 21%  | 5.0 | 0.48 | 0.55 | 4.75 |
| AWS-031-19 | <a href="#">6.38CPGy</a>    | ★ ★ ★ ☆ | ★ ★   | 50% | 13%  | 5.0 | 0.35 | 0.26 | 4.75 |
| AWS-031-20 | <a href="#">10.38GyLam</a>  | ★ ★ ★ ☆ |       | 53% | -17% | 6.5 | 0.20 | 0.08 | 4.75 |
| AWS-031-21 | <a href="#">10.38ClrLam</a> | ★ ★     |       | 36% | -1%  | 6.5 | 0.45 | 0.45 | 4.75 |
| AWS-031-22 | <a href="#">10.38SnClr</a>  | ★ ★ ★   | ★ ★   | 45% | 11%  | 5.4 | 0.39 | 0.44 | 4.75 |
| AWS-031-23 | <a href="#">10SnClr</a>     | ★ ★ ★   | ★ ★ ☆ | 50% | 15%  | 4.9 | 0.36 | 0.41 | 4.75 |
| AWS-031-24 | <a href="#">10.38TLam</a>   | ★ ★ ★   | ★ ★   | 48% | 13%  | 5.1 | 0.37 | 0.41 | 4.75 |

**ARCHITECTURAL COMMERCIAL SERIES 463 DOUBLE HUNG WINDOW- DOUBLE GLAZED**

|            |                                 |         |         |     |     |     |      |      |      |
|------------|---------------------------------|---------|---------|-----|-----|-----|------|------|------|
| AWS-031-25 | <a href="#">4/10/4</a>          | ★ ★ ☆   | ★ ★ ☆ ☆ | 41% | 30% | 4.5 | 0.52 | 0.54 | 4.75 |
| AWS-031-26 | <a href="#">5/8/5</a>           | ★ ★ ☆   | ★ ★ ★   | 41% | 27% | 4.6 | 0.51 | 0.54 | 4.75 |
| AWS-031-27 | <a href="#">4/10/4ET</a>        | ★ ★ ★   | ★ ★ ☆ ☆ | 45% | 33% | 4.0 | 0.49 | 0.50 | 4.75 |
| AWS-031-28 | <a href="#">4/10Ar/4ET</a>      | ★ ★ ★   | ★ ★ ☆ ☆ | 46% | 35% | 3.8 | 0.49 | 0.50 | 4.75 |
| AWS-031-29 | <a href="#">4Az/10/4ET</a>      | ★ ★ ★ ★ | ★ ★ ★   | 59% | 21% | 4.0 | 0.29 | 0.42 | 4.75 |
| AWS-031-30 | <a href="#">5SG/8Ar/5ET</a>     | ★ ★ ★ ★ | ★ ★ ☆   | 59% | 23% | 4.0 | 0.29 | 0.41 | 4.75 |
| AWS-031-31 | <a href="#">4SnClr/10/4</a>     | ★ ★ ★ ☆ | ★ ★ ☆   | 52% | 25% | 4.2 | 0.38 | 0.42 | 4.75 |
| AWS-031-32 | <a href="#">4SnClr/10Ar/4</a>   | ★ ★ ★ ☆ | ★ ★ ☆   | 53% | 27% | 4.0 | 0.37 | 0.42 | 4.75 |
| AWS-031-33 | <a href="#">6.38CPClr/8/4</a>   | ★ ★ ★   | ★ ★ ☆ ☆ | 49% | 28% | 4.2 | 0.43 | 0.50 | 4.75 |
| AWS-031-34 | <a href="#">6.38CPClr/8Ar/4</a> | ★ ★ ★   | ★ ★ ☆ ☆ | 50% | 31% | 3.9 | 0.43 | 0.50 | 4.75 |
| AWS-031-35 | <a href="#">6.38CPGy/8/4</a>    | ★ ★ ★ ★ | ★ ★ ☆   | 57% | 21% | 4.2 | 0.31 | 0.24 | 4.75 |
| AWS-031-36 | <a href="#">6.38CPGy/8Ar/4</a>  | ★ ★ ★ ★ | ★ ★ ☆   | 58% | 23% | 3.9 | 0.30 | 0.24 | 4.75 |
| AWS-031-37 | <a href="#">6SnClr/10/6</a>     | ★ ★ ★ ☆ | ★ ★ ☆   | 53% | 25% | 4.1 | 0.36 | 0.41 | 4.75 |
| AWS-031-38 | <a href="#">6SnClr/10Ar/6</a>   | ★ ★ ★ ☆ | ★ ★ ☆   | 54% | 27% | 4.0 | 0.36 | 0.41 | 4.75 |
| AWS-031-39 | <a href="#">10SnClr/6/6</a>     | ★ ★ ★ ☆ | ★ ★ ☆   | 53% | 21% | 4.4 | 0.35 | 0.40 | 4.75 |
| AWS-031-40 | <a href="#">10SnClr/6Ar/6</a>   | ★ ★ ★ ☆ | ★ ★ ☆   | 54% | 23% | 4.2 | 0.35 | 0.40 | 4.75 |

**ARCHITECTURAL COMMERCIAL SERIES 466/467 AWNING WINDOW - SINGLE GLAZED**

|            |                      |     |       |     |     |     |      |      |      |
|------------|----------------------|-----|-------|-----|-----|-----|------|------|------|
| AWS-032-01 | <a href="#">5Clr</a> | ★ ☆ | ★ ★ ☆ | 25% | 23% | 7.0 | 0.57 | 0.50 | 0.12 |
| AWS-032-02 | <a href="#">5SG</a>  | ★ ★ | ★ ★ ☆ | 38% | 14% | 7.0 | 0.40 | 0.28 | 0.12 |

|            |                             |         |         |     |     |     |      |      |      |
|------------|-----------------------------|---------|---------|-----|-----|-----|------|------|------|
| AWS-032-03 | <a href="#">5GY</a>         | ★ ★ ☆   | ★ ★ ☆   | 39% | 12% | 7.0 | 0.37 | 0.41 | 0.12 |
| AWS-032-04 | <a href="#">6.38Sct</a>     | ★ ★ ☆   | ★ ★ ★ ☆ | 40% | 31% | 5.9 | 0.44 | 0.48 | 0.12 |
| AWS-032-05 | <a href="#">6.38VLam</a>    | ★ ☆     | ★ ★ ★   | 28% | 19% | 7.0 | 0.52 | 0.52 | 0.12 |
| AWS-032-06 | <a href="#">4SnClr</a>      | ★ ★ ☆   | ★ ★ ★   | 41% | 24% | 6.2 | 0.40 | 0.40 | 0.12 |
| AWS-032-07 | <a href="#">6SnClr</a>      | ★ ★ ☆   | ★ ★ ★   | 42% | 25% | 6.2 | 0.40 | 0.40 | 0.12 |
| AWS-032-08 | <a href="#">6EVanBG</a>     | ★ ★ ★   | ★ ★ ★   | 48% | 22% | 6.0 | 0.31 | 0.33 | 0.12 |
| AWS-032-09 | <a href="#">6EVanClr</a>    | ★ ★ ☆   | ★ ★ ★ ☆ | 41% | 28% | 6.0 | 0.41 | 0.39 | 0.12 |
| AWS-032-10 | <a href="#">6EVanGy</a>     | ★ ★ ★   | ★ ★ ★   | 50% | 21% | 6.0 | 0.29 | 0.19 | 0.12 |
| AWS-032-11 | <a href="#">6EVanSpB</a>    | ★ ★ ★ ☆ | ★ ★ ★   | 51% | 19% | 6.0 | 0.26 | 0.23 | 0.12 |
| AWS-032-12 | <a href="#">6EVanSpGn</a>   | ★ ★ ★ ☆ | ★ ★ ★   | 51% | 19% | 6.0 | 0.26 | 0.28 | 0.12 |
| AWS-032-13 | <a href="#">6.38LamGy</a>   | ★ ★ ★   | ★ ★     | 47% | 4%  | 7.0 | 0.25 | 0.08 | 0.12 |
| AWS-032-14 | <a href="#">6.38TLam</a>    | ★ ★ ★   | ★ ★     | 45% | 6%  | 7.0 | 0.28 | 0.20 | 0.12 |
| AWS-032-15 | <a href="#">6.38SnClr</a>   | ★ ★ ☆   | ★ ★ ★   | 43% | 25% | 6.1 | 0.39 | 0.40 | 0.12 |
| AWS-032-16 | <a href="#">6.38SnGy</a>    | ★ ★ ★   | ★ ★ ★   | 48% | 20% | 6.1 | 0.30 | 0.19 | 0.12 |
| AWS-032-17 | <a href="#">6.38CPClr</a>   | ★ ★ ☆   | ★ ★ ★ ☆ | 40% | 31% | 5.9 | 0.45 | 0.48 | 0.12 |
| AWS-032-18 | <a href="#">6.38CPGn</a>    | ★ ★ ★   | ★ ★ ★   | 47% | 26% | 5.9 | 0.34 | 0.42 | 0.12 |
| AWS-032-19 | <a href="#">6.38CPGy</a>    | ★ ★ ★   | ★ ★ ★   | 47% | 25% | 5.9 | 0.34 | 0.23 | 0.12 |
| AWS-032-20 | <a href="#">10SnClr</a>     | ★ ★ ★   | ★ ★ ★ ☆ | 49% | 30% | 5.6 | 0.33 | 0.34 | 0.12 |
| AWS-032-21 | <a href="#">10.38LamClr</a> | ★ ★ ★   | ★ ★ ★ ☆ | 45% | 28% | 5.8 | 0.37 | 0.38 | 0.12 |
| AWS-032-22 | <a href="#">10.38LamGy</a>  | ★ ★ ☆   | ★ ★ ★   | 40% | 19% | 6.6 | 0.40 | 0.38 | 0.12 |
| AWS-032-23 | <a href="#">10.38Tlam</a>   | ★ ★ ★ ☆ | ★ ★     | 54% | 7%  | 6.6 | 0.19 | 0.06 | 0.12 |
| AWS-032-24 | <a href="#">10.38SnClr</a>  | ★ ★ ★   | ★ ★ ★   | 45% | 26% | 6.0 | 0.36 | 0.37 | 0.12 |

**ARCHITECTURAL COMMERCIAL SERIES 466/467 AWNING WINDOW - DOUBLE GLAZED**

|            |                                   |         |           |     |     |     |      |      |      |
|------------|-----------------------------------|---------|-----------|-----|-----|-----|------|------|------|
| AWS-032-25 | <a href="#">4/10/4</a>            | ★ ★ ☆   | ★ ★ ★ ★ ☆ | 42% | 45% | 5.0 | 0.47 | 0.47 | 0.12 |
| AWS-032-26 | <a href="#">5/8/5</a>             | ★ ★ ★   | ★ ★ ★ ★ ★ | 47% | 51% | 4.4 | 0.45 | 0.43 | 0.12 |
| AWS-032-27 | <a href="#">5/8/5</a>             | ★ ★ ☆   | ★ ★ ★ ★ ☆ | 43% | 44% | 5.0 | 0.46 | 0.47 | 0.12 |
| AWS-032-28 | <a href="#">3/12Ar/3ET</a>        | ★ ★ ★   | ★ ★ ★ ★ ★ | 46% | 52% | 4.3 | 0.46 | 0.44 | 0.12 |
| AWS-032-29 | <a href="#">3SG/12/3</a>          | ★ ★ ★ ☆ | ★ ★ ★ ★   | 52% | 38% | 4.9 | 0.34 | 0.40 | 0.12 |
| AWS-032-30 | <a href="#">4/10/4ET</a>          | ★ ★ ★   | ★ ★ ★ ★ ★ | 46% | 49% | 4.5 | 0.45 | 0.43 | 0.12 |
| AWS-032-31 | <a href="#">4Az/10/4ET</a>        | ★ ★ ★ ★ | ★ ★ ★ ★   | 58% | 39% | 4.5 | 0.28 | 0.36 | 0.12 |
| AWS-032-32 | <a href="#">5SG/8Ar/5ET</a>       | ★ ★ ★ ★ | ★ ★ ★ ★   | 58% | 40% | 4.5 | 0.28 | 0.36 | 0.12 |
| AWS-032-33 | <a href="#">4SnClr/10/4</a>       | ★ ★ ★ ☆ | ★ ★ ★ ★ ☆ | 52% | 42% | 4.7 | 0.35 | 0.36 | 0.12 |
| AWS-032-34 | <a href="#">4SnClr/10Ar/4</a>     | ★ ★ ★ ☆ | ★ ★ ★ ★ ☆ | 53% | 44% | 4.5 | 0.35 | 0.36 | 0.12 |
| AWS-032-35 | <a href="#">6.38LamClr/12/6</a>   | ★ ★ ★   | ★ ★ ★ ★ ☆ | 45% | 45% | 4.8 | 0.45 | 0.46 | 0.12 |
| AWS-032-36 | <a href="#">6.38LamClr/12Ar/6</a> | ★ ★ ★   | ★ ★ ★ ★ ☆ | 45% | 46% | 4.8 | 0.45 | 0.46 | 0.12 |
| AWS-032-37 | <a href="#">6.38SnClr/12/6</a>    | ★ ★ ★ ☆ | ★ ★ ★ ★ ☆ | 54% | 43% | 4.5 | 0.34 | 0.35 | 0.12 |
| AWS-032-38 | <a href="#">6.38SnClr/12Ar/6</a>  | ★ ★ ★ ☆ | ★ ★ ★ ★ ☆ | 54% | 44% | 4.4 | 0.34 | 0.35 | 0.12 |
| AWS-032-39 | <a href="#">6.38CPClr/8/4</a>     | ★ ★ ★   | ★ ★ ★ ★ ☆ | 49% | 45% | 4.6 | 0.40 | 0.43 | 0.12 |
| AWS-032-40 | <a href="#">6.38CPClr/8Ar/4</a>   | ★ ★ ★ ☆ | ★ ★ ★ ★ ☆ | 50% | 47% | 4.4 | 0.40 | 0.43 | 0.12 |
| AWS-032-41 | <a href="#">6.38CPClr/12/6</a>    | ★ ★ ★ ☆ | ★ ★ ★ ★ ☆ | 51% | 47% | 4.4 | 0.39 | 0.43 | 0.12 |
| AWS-032-42 | <a href="#">6.38CPClr/12Ar/6</a>  | ★ ★ ★ ☆ | ★ ★ ★ ★ ★ | 51% | 49% | 4.3 | 0.39 | 0.43 | 0.12 |
| AWS-032-43 | <a href="#">6.38CPGy/8/4</a>      | ★ ★ ★ ★ | ★ ★ ★ ★   | 56% | 39% | 4.6 | 0.29 | 0.21 | 0.12 |

|            |                                    |       |       |     |     |     |      |      |      |
|------------|------------------------------------|-------|-------|-----|-----|-----|------|------|------|
| AWS-032-44 | <a href="#">6.38CPGy/8Ar/4</a>     | ★★★★  | ★★★★  | 57% | 41% | 4.5 | 0.29 | 0.21 | 0.12 |
| AWS-032-45 | <a href="#">6.38CPGy/12/6</a>      | ★★★★  | ★★★★☆ | 58% | 41% | 4.4 | 0.28 | 0.20 | 0.12 |
| AWS-032-46 | <a href="#">6.38CPGy/12Ar/6</a>    | ★★★★  | ★★★★☆ | 59% | 42% | 4.3 | 0.28 | 0.20 | 0.12 |
| AWS-032-47 | <a href="#">6.38LamGy/12/6</a>     | ★★★★☆ | ★★★☆☆ | 63% | 29% | 4.8 | 0.18 | 0.07 | 0.12 |
| AWS-032-48 | <a href="#">6.38LamGy/12Ar/6</a>   | ★★★★☆ | ★★★☆☆ | 64% | 30% | 4.8 | 0.18 | 0.07 | 0.12 |
| AWS-032-49 | <a href="#">6.38SnGy/12/6</a>      | ★★★★☆ | ★★★★☆ | 55% | 43% | 4.4 | 0.33 | 0.35 | 0.12 |
| AWS-032-50 | <a href="#">6.38SnGy/12Ar/6</a>    | ★★★★☆ | ★★★★☆ | 55% | 44% | 4.4 | 0.33 | 0.35 | 0.12 |
| AWS-032-51 | <a href="#">6.38TLam/12/6</a>      | ★★★★☆ | ★★★☆☆ | 60% | 32% | 4.8 | 0.22 | 0.17 | 0.12 |
| AWS-032-52 | <a href="#">6.38TLam/12Ar/6</a>    | ★★★★☆ | ★★★☆☆ | 61% | 32% | 4.8 | 0.21 | 0.17 | 0.12 |
| AWS-032-53 | <a href="#">6.38SnClr/12/6</a>     | ★★★★☆ | ★★★★☆ | 54% | 43% | 4.5 | 0.34 | 0.35 | 0.12 |
| AWS-032-54 | <a href="#">6.38SnClr/12Ar/6</a>   | ★★★★☆ | ★★★★☆ | 54% | 44% | 4.4 | 0.34 | 0.35 | 0.12 |
| AWS-032-55 | <a href="#">6.38EVanClr/12/6</a>   | ★★★☆☆ | ★★★★☆ | 50% | 41% | 4.8 | 0.37 | 0.35 | 0.12 |
| AWS-032-56 | <a href="#">6.38EVanClr/12Ar/6</a> | ★★★★☆ | ★★★★☆ | 50% | 42% | 4.8 | 0.37 | 0.35 | 0.12 |
| AWS-032-57 | <a href="#">6.38EVanGy/12/6</a>    | ★★★★☆ | ★★★★  | 61% | 37% | 4.5 | 0.24 | 0.17 | 0.12 |
| AWS-032-58 | <a href="#">6.38EVanGy/12Ar/6</a>  | ★★★★☆ | ★★★★  | 62% | 39% | 4.3 | 0.23 | 0.17 | 0.12 |
| AWS-032-59 | <a href="#">10.38LamClr/8/6</a>    | ★★★★☆ | ★★★★  | 51% | 38% | 4.9 | 0.34 | 0.35 | 0.12 |
| AWS-032-60 | <a href="#">10.38LamClr/8Ar/6</a>  | ★★★★☆ | ★★★★  | 52% | 40% | 4.8 | 0.34 | 0.35 | 0.12 |
| AWS-032-61 | <a href="#">10.38SnClr/8/6</a>     | ★★★★☆ | ★★★★  | 54% | 40% | 4.7 | 0.32 | 0.34 | 0.12 |
| AWS-032-62 | <a href="#">10.38SnClr/8Ar/6</a>   | ★★★★  | ★★★★☆ | 55% | 42% | 4.5 | 0.31 | 0.34 | 0.12 |
| AWS-032-63 | <a href="#">10.38LamGy/8/6</a>     | ★★★★★ | ★★★☆☆ | 65% | 25% | 4.9 | 0.14 | 0.06 | 0.12 |
| AWS-032-64 | <a href="#">10.38LamGy/8Ar/6</a>   | ★★★★★ | ★★★☆☆ | 66% | 27% | 4.8 | 0.14 | 0.06 | 0.12 |
| AWS-032-65 | <a href="#">10.38TLamGy/8/6</a>    | ★★★★  | ★★★★  | 56% | 40% | 4.6 | 0.30 | 0.31 | 0.12 |

**ARCHITECTURAL COMMERCIAL SERIES 410/411 BI-FOLD DOOR - SINGLE GLAZED**

|            |                           |       |       |     |     |     |      |      |      |
|------------|---------------------------|-------|-------|-----|-----|-----|------|------|------|
| AWS-029-01 | <a href="#">5CLR</a>      | ★☆☆   | ★★☆☆  | 28% | 16% | 6.1 | 0.59 | 0.60 | 0.43 |
| AWS-029-02 | <a href="#">5SG</a>       | ★★☆☆  | ★★    | 41% | 7%  | 6.1 | 0.41 | 0.50 | 0.43 |
| AWS-029-03 | <a href="#">5GY</a>       | ★★☆☆  | ★★    | 39% | 8%  | 6.2 | 0.44 | 0.34 | 0.43 |
| AWS-029-04 | <a href="#">6.38Sct</a>   | ★★☆☆  | ★★★☆☆ | 44% | 30% | 4.6 | 0.48 | 0.55 | 0.43 |
| AWS-029-05 | <a href="#">6.38VLam</a>  | ★☆☆   | ★★☆☆  | 29% | 16% | 6.0 | 0.57 | 0.60 | 0.43 |
| AWS-029-06 | <a href="#">6SnClr</a>    | ★★★☆☆ | ★★★☆☆ | 46% | 23% | 5.0 | 0.42 | 0.46 | 0.43 |
| AWS-029-07 | <a href="#">6EVanBG</a>   | ★★★★☆ | ★★☆☆  | 53% | 20% | 4.8 | 0.32 | 0.38 | 0.43 |
| AWS-029-08 | <a href="#">6EVanClr</a>  | ★★★★  | ★★★☆☆ | 45% | 26% | 4.8 | 0.44 | 0.45 | 0.43 |
| AWS-029-09 | <a href="#">6EVanGy</a>   | ★★★★  | ★★☆☆  | 55% | 18% | 4.8 | 0.29 | 0.22 | 0.43 |
| AWS-029-10 | <a href="#">6EVanSpB</a>  | ★★★★  | ★★☆☆  | 58% | 16% | 4.8 | 0.26 | 0.26 | 0.43 |
| AWS-029-11 | <a href="#">6EVanSpGn</a> | ★★★★  | ★★☆☆  | 58% | 16% | 4.8 | 0.26 | 0.32 | 0.43 |
| AWS-029-12 | <a href="#">6.38LamGy</a> | ★★★★☆ |       | 51% | -2% | 6.1 | 0.26 | 0.09 | 0.43 |
| AWS-029-13 | <a href="#">6.38TLam</a>  | ★★★☆☆ | ★☆☆   | 49% | 1%  | 6.1 | 0.29 | 0.23 | 0.43 |
| AWS-029-14 | <a href="#">6.38SnClr</a> | ★★★☆☆ | ★★★☆☆ | 47% | 23% | 4.9 | 0.41 | 0.46 | 0.43 |
| AWS-029-15 | <a href="#">6.38SnGy</a>  | ★★★★☆ | ★★☆☆  | 53% | 16% | 5.0 | 0.31 | 0.21 | 0.43 |
| AWS-029-16 | <a href="#">6.38CPClr</a> | ★★☆☆  | ★★★☆☆ | 43% | 30% | 4.6 | 0.48 | 0.56 | 0.43 |
| AWS-029-17 | <a href="#">6.38CPGn</a>  | ★★☆☆  | ★★★☆☆ | 52% | 23% | 4.6 | 0.36 | 0.48 | 0.43 |
| AWS-029-18 | <a href="#">6.38CPGy</a>  | ★★☆☆  | ★★★☆☆ | 52% | 23% | 4.6 | 0.35 | 0.26 | 0.43 |
| AWS-029-19 | <a href="#">10SnClr</a>   | ★★★☆☆ | ★★★☆☆ | 47% | 23% | 4.9 | 0.41 | 0.45 | 0.43 |

|   |                                    |           |           |     |     |     |      |      |      |
|---|------------------------------------|-----------|-----------|-----|-----|-----|------|------|------|
| AWS-029-20  | <a href="#">10.38TLam</a>          | ★ ★ ★ ☆   | ★ ★ ★     | 52% | 25% | 4.5 | 0.36 | 0.41 | 0.43 |
| AWS-029-21  | <a href="#">10.38SnClr</a>         | ★ ★ ★     | ★ ★ ★     | 49% | 23% | 4.8 | 0.39 | 0.45 | 0.43 |
| AWS-029-22  | <a href="#">10.38ClrLam</a>        | ★ ★ ☆     | ★ ★       | 39% | 12% | 5.9 | 0.45 | 0.46 | 0.43 |
| AWS-029-23  | <a href="#">10.38GyLam</a>         | ★ ★ ★ ★   |           | 57% | -3% | 5.9 | 0.20 | 0.08 | 0.43 |
| <b>ARCHITECTURAL COMMERCIAL SERIES 410/411 BI-FOLD DOOR - DOUBLE GLAZED</b> |                                    |           |           |     |     |     |      |      |      |
| AWS-029-24  | <a href="#">4/10/4</a>             | ★ ★ ☆     | ★ ★ ★ ★   | 42% | 37% | 4.2 | 0.52 | 0.54 | 0.43 |
| AWS-029-25  | <a href="#">5/8/5</a>              | ★ ★ ☆     | ★ ★ ★ ★   | 42% | 35% | 4.3 | 0.51 | 0.54 | 0.43 |
| AWS-029-26  | <a href="#">3/12Ar/3ET</a>         | ★ ★ ★     | ★ ★ ★ ★ ☆ | 47% | 45% | 3.5 | 0.51 | 0.51 | 0.43 |
| AWS-029-27  | <a href="#">3SG/12/3</a>           | ★ ★ ★ ☆   | ★ ★ ★ ☆   | 53% | 29% | 4.2 | 0.37 | 0.47 | 0.43 |
| AWS-029-28  | <a href="#">4/10/4ET</a>           | ★ ★ ★     | ★ ★ ★ ★   | 47% | 41% | 3.7 | 0.49 | 0.50 | 0.43 |
| AWS-029-29  | <a href="#">4/10Ar/4ET</a>         | ★ ★ ★     | ★ ★ ★ ★ ☆ | 47% | 43% | 3.6 | 0.50 | 0.50 | 0.43 |
| AWS-029-30  | <a href="#">4Az/10/4ET</a>         | ★ ★ ★ ★ ☆ | ★ ★ ★ ☆   | 60% | 30% | 3.7 | 0.30 | 0.42 | 0.43 |
| AWS-029-31  | <a href="#">5SG/8Ar/5ET</a>        | ★ ★ ★ ★ ☆ | ★ ★ ★ ☆   | 61% | 31% | 3.6 | 0.30 | 0.41 | 0.43 |
| AWS-029-32  | <a href="#">4SnClr/10/4</a>        | ★ ★ ★ ☆   | ★ ★ ★ ☆   | 54% | 34% | 3.8 | 0.38 | 0.42 | 0.43 |
| AWS-029-33  | <a href="#">4SnClr/10Ar/4</a>      | ★ ★ ★ ☆   | ★ ★ ★ ★   | 55% | 36% | 3.7 | 0.38 | 0.42 | 0.43 |
| AWS-029-34  | <a href="#">6.38LamClr/12/6</a>    | ★ ★ ★     | ★ ★ ★ ★   | 45% | 37% | 4.1 | 0.49 | 0.54 | 0.43 |
| AWS-029-35  | <a href="#">6.38LamClr/12Ar/6</a>  | ★ ★ ★     | ★ ★ ★ ★   | 45% | 38% | 4.0 | 0.49 | 0.54 | 0.43 |
| AWS-029-36  | <a href="#">6.38SnClr/12/6</a>     | ★ ★ ★ ★   | ★ ★ ★ ☆   | 56% | 34% | 3.7 | 0.37 | 0.41 | 0.43 |
| AWS-029-37  | <a href="#">6.38SnClr/12Ar/6</a>   | ★ ★ ★ ★   | ★ ★ ★ ★   | 56% | 36% | 3.6 | 0.36 | 0.41 | 0.43 |
| AWS-029-38  | <a href="#">6.38CPClr/8/4</a>      | ★ ★ ★ ☆   | ★ ★ ★ ★   | 51% | 37% | 3.8 | 0.43 | 0.50 | 0.43 |
| AWS-029-39  | <a href="#">6.38CPClr/8Ar/4</a>    | ★ ★ ★ ☆   | ★ ★ ★ ★   | 52% | 39% | 3.6 | 0.43 | 0.50 | 0.43 |
| AWS-029-40  | <a href="#">6.38CPClr/12/6</a>     | ★ ★ ★ ☆   | ★ ★ ★ ★   | 52% | 39% | 3.6 | 0.43 | 0.50 | 0.43 |
| AWS-029-41  | <a href="#">6.38CPClr/12Ar/6</a>   | ★ ★ ★ ☆   | ★ ★ ★ ★   | 53% | 41% | 3.4 | 0.43 | 0.50 | 0.43 |
| AWS-029-42  | <a href="#">6.38CPGy/8/4</a>       | ★ ★ ★ ★   | ★ ★ ★ ☆   | 59% | 30% | 3.8 | 0.31 | 0.24 | 0.43 |
| AWS-029-43  | <a href="#">6.38CPGy/8Ar/4</a>     | ★ ★ ★ ★ ☆ | ★ ★ ★ ☆   | 60% | 32% | 3.6 | 0.31 | 0.24 | 0.43 |
| AWS-029-44  | <a href="#">6.38CPGy/12/6</a>      | ★ ★ ★ ★ ☆ | ★ ★ ★ ☆   | 61% | 32% | 3.6 | 0.30 | 0.24 | 0.43 |
| AWS-029-45  | <a href="#">6.38CPGy/12Ar/6</a>    | ★ ★ ★ ★ ☆ | ★ ★ ★ ☆   | 61% | 34% | 3.4 | 0.30 | 0.24 | 0.43 |
| AWS-029-46  | <a href="#">6.38LamGy/12/6</a>     | ★ ★ ★ ★ ★ | ★ ★ ☆     | 66% | 18% | 4.1 | 0.18 | 0.08 | 0.43 |
| AWS-029-47  | <a href="#">6.38LamGy/12Ar/6</a>   | ★ ★ ★ ★ ★ | ★ ★ ☆     | 67% | 19% | 4.0 | 0.18 | 0.08 | 0.43 |
| AWS-029-48  | <a href="#">6.38SnGy/12/6</a>      | ★ ★ ★ ★   | ★ ★ ★ ☆   | 56% | 34% | 3.7 | 0.36 | 0.41 | 0.43 |
| AWS-029-49  | <a href="#">6.38SnGy/12Ar/6</a>    | ★ ★ ★ ★   | ★ ★ ★ ★   | 57% | 35% | 3.6 | 0.35 | 0.41 | 0.43 |
| AWS-029-50  | <a href="#">6.38TLam/12/6</a>      | ★ ★ ★ ★ ☆ | ★ ★ ☆     | 63% | 21% | 4.1 | 0.22 | 0.20 | 0.43 |
| AWS-029-51  | <a href="#">6.38TLam/12Ar/6</a>    | ★ ★ ★ ★ ☆ | ★ ★ ★     | 64% | 22% | 4.0 | 0.22 | 0.20 | 0.43 |
| AWS-029-52  | <a href="#">6.38SnClr/12/6</a>     | ★ ★ ★ ★   | ★ ★ ★ ☆   | 56% | 34% | 3.7 | 0.37 | 0.41 | 0.43 |
| AWS-029-53  | <a href="#">6.38SnClr/12Ar/6</a>   | ★ ★ ★ ★   | ★ ★ ★ ★   | 56% | 36% | 3.6 | 0.36 | 0.41 | 0.43 |
| AWS-029-54  | <a href="#">6.38EVanClr/12/6</a>   | ★ ★ ★ ☆   | ★ ★ ★ ☆   | 52% | 32% | 4.1 | 0.40 | 0.41 | 0.43 |
| AWS-029-55  | <a href="#">6.38EVanClr/12Ar/6</a> | ★ ★ ★ ☆   | ★ ★ ★ ☆   | 52% | 33% | 4.0 | 0.40 | 0.41 | 0.43 |
| AWS-029-56  | <a href="#">6.38EVanGy/12/6</a>    | ★ ★ ★ ★ ☆ | ★ ★ ★     | 64% | 28% | 3.7 | 0.25 | 0.20 | 0.43 |
| AWS-029-57  | <a href="#">6.38EVanGy/12Ar/6</a>  | ★ ★ ★ ★ ★ | ★ ★ ★ ☆   | 65% | 29% | 3.5 | 0.24 | 0.20 | 0.43 |
| AWS-029-58  | <a href="#">10.38LamClr/8/6</a>    | ★ ★ ★ ☆   | ★ ★ ★ ☆   | 53% | 29% | 4.2 | 0.37 | 0.41 | 0.43 |
| AWS-029-59  | <a href="#">10.38LamClr/8Ar/6</a>  | ★ ★ ★ ☆   | ★ ★ ★ ☆   | 54% | 31% | 4.1 | 0.37 | 0.41 | 0.43 |
| AWS-029-60  | <a href="#">10.38LamGy/8/6</a>     | ★ ★ ★ ★ ★ | ★ ★ ☆     | 69% | 14% | 4.2 | 0.14 | 0.07 | 0.43 |

|            |                                  |         |       |     |     |     |      |      |      |
|------------|----------------------------------|---------|-------|-----|-----|-----|------|------|------|
| AWS-029-61 | <a href="#">10.38LamGy/8Ar/6</a> | ★★★★★☆☆ | ★★★☆☆ | 70% | 16% | 4.1 | 0.14 | 0.07 | 0.43 |
| AWS-029-62 | <a href="#">10.38TLamGy/8/6</a>  | ★★★★★   | ★★★☆☆ | 58% | 31% | 3.8 | 0.32 | 0.36 | 0.43 |
| AWS-029-63 | <a href="#">10.38SnClr/8/6</a>   | ★★★★★   | ★★★☆☆ | 56% | 31% | 3.9 | 0.34 | 0.40 | 0.43 |
| AWS-029-64 | <a href="#">10.38SnClr/8Ar/6</a> | ★★★★★   | ★★★☆☆ | 58% | 33% | 3.7 | 0.34 | 0.40 | 0.43 |
| AWS-029-65 | <a href="#">10SnClr/8/6Clr</a>   | ★★★★★   | ★★★☆☆ | 60% | 34% | 3.5 | 0.32 | 0.36 | 0.43 |
| AWS-029-66 | <a href="#">10SnClr/8Ar/6Clr</a> | ★★★★★   | ★★★☆☆ | 60% | 34% | 3.5 | 0.32 | 0.36 | 0.43 |

**ARCHITECTURAL COMMERCIAL SERIES 702/704 SLIDEMASTER DOOR - SINGLE GLAZED**

|            |                             |        |       |     |     |     |      |      |      |
|------------|-----------------------------|--------|-------|-----|-----|-----|------|------|------|
| AWS-024-01 | <a href="#">5Clr</a>        | ★      | ★★☆☆  | 20% | 17% | 6.2 | 0.66 | 0.69 | 1.12 |
| AWS-024-02 | <a href="#">5SG</a>         | ★★     | ★★    | 37% | 7%  | 6.2 | 0.46 | 0.57 | 1.12 |
| AWS-024-03 | <a href="#">5Gy</a>         | ★★     | ★★    | 35% | 9%  | 6.2 | 0.49 | 0.39 | 1.12 |
| AWS-024-04 | <a href="#">6.38Sct</a>     | ★★★☆☆  | ★★★☆☆ | 40% | 35% | 4.4 | 0.54 | 0.63 | 1.12 |
| AWS-024-04 | <a href="#">6.38VLam</a>    | ★☆☆    | ★★☆☆  | 24% | 17% | 6.1 | 0.63 | 0.69 | 1.12 |
| AWS-024-05 | <a href="#">6.38CP</a>      | ★★★    | ★★★   | 49% | 27% | 4.5 | 0.41 | 0.46 | 1.12 |
| AWS-024-06 | <a href="#">6SnClr</a>      | ★★★☆☆  | ★★★   | 43% | 26% | 4.8 | 0.47 | 0.53 | 1.12 |
| AWS-024-07 | <a href="#">6EVanBG</a>     | ★★★★☆☆ | ★★★   | 52% | 23% | 4.6 | 0.36 | 0.44 | 1.12 |
| AWS-024-08 | <a href="#">6EVanClr</a>    | ★★★☆☆  | ★★★☆☆ | 42% | 30% | 4.6 | 0.50 | 0.52 | 1.12 |
| AWS-024-09 | <a href="#">6EVanGy</a>     | ★★★★☆☆ | ★★★   | 55% | 22% | 4.4 | 0.32 | 0.25 | 1.12 |
| AWS-024-10 | <a href="#">6EVanSpB</a>    | ★★★★★  | ★★★☆☆ | 56% | 18% | 4.6 | 0.29 | 0.30 | 1.12 |
| AWS-024-11 | <a href="#">6EVanSpGn</a>   | ★★★★★  | ★★★☆☆ | 56% | 17% | 4.7 | 0.29 | 0.37 | 1.12 |
| AWS-024-12 | <a href="#">6.38LamGy</a>   | ★★★    |       | 49% | -2% | 6.1 | 0.28 | 0.10 | 1.12 |
| AWS-024-13 | <a href="#">6.38TLam</a>    | ★★★    | ★☆☆   | 47% | 1%  | 6.1 | 0.33 | 0.26 | 1.12 |
| AWS-024-14 | <a href="#">6.38SnClr</a>   | ★★★☆☆  | ★★★   | 44% | 26% | 4.8 | 0.46 | 0.52 | 1.12 |
| AWS-024-15 | <a href="#">6.38SnGy</a>    | ★★★★☆☆ | ★★★☆☆ | 52% | 20% | 4.8 | 0.35 | 0.25 | 1.12 |
| AWS-024-16 | <a href="#">6.38CPClr</a>   | ★★★☆☆  | ★★★☆☆ | 39% | 34% | 4.4 | 0.54 | 0.64 | 1.12 |
| AWS-024-17 | <a href="#">6.38CPGn</a>    | ★★★    | ★★★   | 50% | 27% | 4.5 | 0.40 | 0.55 | 1.12 |
| AWS-024-18 | <a href="#">6.38CPGy</a>    | ★★★★☆☆ | ★★★   | 50% | 27% | 4.5 | 0.39 | 0.30 | 1.12 |
| AWS-024-19 | <a href="#">10SnClr</a>     | ★★★    | ★★★   | 44% | 26% | 4.8 | 0.45 | 0.51 | 1.12 |
| AWS-024-20 | <a href="#">10.38LamClr</a> | ★★     | ★★    | 35% | 13% | 5.9 | 0.50 | 0.52 | 1.12 |
| AWS-024-21 | <a href="#">10.38LamGy</a>  | ★★★★☆☆ |       | 55% | -3% | 5.9 | 0.22 | 0.09 | 1.12 |
| AWS-024-22 | <a href="#">10.38TLam</a>   | ★★★    | ★★★   | 50% | 28% | 4.4 | 0.41 | 0.47 | 1.12 |
| AWS-024-23 | <a href="#">10.38SnClr</a>  | ★★★    | ★★★   | 46% | 26% | 4.7 | 0.44 | 0.51 | 1.12 |

**ARCHITECTURAL COMMERCIAL SERIES 702/704 SLIDEMASTER DOOR - DOUBLE GLAZED**

|            |                             |         |         |     |     |     |      |      |      |
|------------|-----------------------------|---------|---------|-----|-----|-----|------|------|------|
| AWS-025-01 | <a href="#">4/10/4</a>      | ★★      | ★★★★★   | 37% | 41% | 4.1 | 0.59 | 0.63 | 1.12 |
| AWS-025-02 | <a href="#">4Az/10/4ET</a>  | ★★★★★   | ★★★☆☆   | 59% | 34% | 3.5 | 0.33 | 0.48 | 1.12 |
| AWS-025-03 | <a href="#">4/10Ar/4ET</a>  | ★★★☆☆   | ★★★★★   | 44% | 49% | 3.3 | 0.56 | 0.58 | 1.12 |
| AWS-025-04 | <a href="#">4/10/4ET</a>    | ★★★☆☆   | ★★★★★☆☆ | 43% | 46% | 3.5 | 0.55 | 0.58 | 1.12 |
| AWS-025-05 | <a href="#">5/8/5</a>       | ★★      | ★★★★★   | 38% | 40% | 4.1 | 0.58 | 0.62 | 1.12 |
| AWS-025-06 | <a href="#">5SG/8Ar/5ET</a> | ★★★★★   | ★★★★★   | 59% | 35% | 3.4 | 0.33 | 0.47 | 1.12 |
| AWS-025-07 | <a href="#">6/12/6</a>      | ★★★☆☆   | ★★★★★   | 40% | 41% | 4.0 | 0.56 | 0.61 | 1.12 |
| AWS-025-08 | <a href="#">6SG/12/6</a>    | ★★★★★   | ★★★☆☆   | 57% | 29% | 4.0 | 0.32 | 0.45 | 1.12 |
| AWS-025-09 | <a href="#">6SG/12/6ET</a>  | ★★★★★☆☆ | ★★★☆☆   | 63% | 33% | 3.4 | 0.29 | 0.42 | 1.12 |
| AWS-025-10 | <a href="#">6/12/6ET</a>    | ★★★     | ★★★★★☆☆ | 45% | 46% | 3.4 | 0.53 | 0.57 | 1.12 |

|  |                                     |             |           |     |     |     |      |      |      |
|--|-------------------------------------|-------------|-----------|-----|-----|-----|------|------|------|
| AWS-025-11   | <a href="#">4SnClr/10/4</a>         | ★ ★ ★ ☆     | ★ ★ ★ ★   | 52% | 38% | 3.7 | 0.43 | 0.48 | 1.12 |
| AWS-025-12   | <a href="#">4SnClr/10Ar/4</a>       | ★ ★ ★ ☆     | ★ ★ ★ ★   | 53% | 39% | 3.5 | 0.43 | 0.48 | 1.12 |
| AWS-025-13   | <a href="#">6.38LamClr/12/6</a>     | ★ ★ ☆       | ★ ★ ★ ★   | 40% | 41% | 4.0 | 0.56 | 0.62 | 1.12 |
| AWS-025-14   | <a href="#">6.38LamClr/12Ar/6</a>   | ★ ★ ☆       | ★ ★ ★ ★ ☆ | 41% | 42% | 3.9 | 0.56 | 0.62 | 1.12 |
| AWS-025-15   | <a href="#">6.38SnClr/12/6</a>      | ★ ★ ★ ☆     | ★ ★ ★ ★   | 53% | 38% | 3.6 | 0.41 | 0.47 | 1.12 |
| AWS-025-16   | <a href="#">6.38SnClr/12Ar/6</a>    | ★ ★ ★ ☆     | ★ ★ ★ ★   | 54% | 39% | 3.5 | 0.41 | 0.47 | 1.12 |
| AWS-025-17   | <a href="#">6.38CPClr/8/4</a>       | ★ ★ ★ ☆     | ★ ★ ★ ★   | 52% | 37% | 3.7 | 0.42 | 0.42 | 1.12 |
| AWS-025-18   | <a href="#">6.38CPClr/8Ar/4</a>     | ★ ★ ★       | ★ ★ ★ ★ ☆ | 49% | 44% | 3.4 | 0.49 | 0.58 | 1.12 |
| AWS-025-19   | <a href="#">6.38CPClr/12/6</a>      | ★ ★ ★       | ★ ★ ★ ★ ☆ | 49% | 44% | 3.4 | 0.48 | 0.57 | 1.12 |
| AWS-025-20   | <a href="#">6.38CPClr/12Ar/6</a>    | ★ ★ ★       | ★ ★ ★ ★ ☆ | 50% | 46% | 3.2 | 0.48 | 0.57 | 1.12 |
| AWS-025-21   | <a href="#">6.38CPGy/8/4</a>        | ★ ★ ★ ★     | ★ ★ ★ ☆   | 57% | 33% | 3.7 | 0.35 | 0.27 | 1.12 |
| AWS-025-22   | <a href="#">6.38CPGy/8Ar/4</a>      | ★ ★ ★ ★     | ★ ★ ★ ☆   | 58% | 35% | 3.5 | 0.35 | 0.27 | 1.12 |
| AWS-025-23   | <a href="#">6.38CPGy/12/6</a>       | ★ ★ ★ ★     | ★ ★ ★ ★   | 59% | 36% | 3.4 | 0.34 | 0.27 | 1.12 |
| AWS-025-24   | <a href="#">6.38CPGy/12Ar/6</a>     | ★ ★ ★ ★     | ★ ★ ★ ★   | 60% | 37% | 3.2 | 0.33 | 0.27 | 1.12 |
| AWS-025-25   | <a href="#">6.38LamGy/12/6</a>      | ★ ★ ★ ★ ★   | ★ ★ ☆     | 65% | 20% | 4.0 | 0.20 | 0.09 | 1.12 |
| AWS-025-26   | <a href="#">6.38LamGy/12Ar/6</a>    | ★ ★ ★ ★ ★   | ★ ★ ☆     | 66% | 21% | 3.9 | 0.20 | 0.09 | 1.12 |
| AWS-025-27   | <a href="#">6.38SnGy/12/6</a>       | ★ ★ ★ ☆     | ★ ★ ★ ★   | 54% | 38% | 3.6 | 0.40 | 0.47 | 1.12 |
| AWS-025-28   | <a href="#">6.38SnGy/12Ar/6</a>     | ★ ★ ★ ☆     | ★ ★ ★ ★   | 55% | 39% | 3.4 | 0.40 | 0.47 | 1.12 |
| AWS-025-29   | <a href="#">6.38TLam/12/6</a>       | ★ ★ ★ ★ ☆   | ★ ★ ★     | 62% | 23% | 4.0 | 0.25 | 0.23 | 1.12 |
| AWS-025-30   | <a href="#">6.38TLam/12Ar/6</a>     | ★ ★ ★ ★ ☆   | ★ ★ ★     | 63% | 25% | 3.9 | 0.25 | 0.23 | 1.12 |
| AWS-025-31   | <a href="#">6.38SnClr/12/6</a>      | ★ ★ ★ ☆     | ★ ★ ★ ★   | 53% | 38% | 3.6 | 0.41 | 0.47 | 1.12 |
| AWS-025-32   | <a href="#">6.38SnClr/12Ar/6</a>    | ★ ★ ★ ☆     | ★ ★ ★ ★   | 54% | 40% | 3.4 | 0.41 | 0.47 | 1.12 |
| AWS-025-33   | <a href="#">6.38EVanClr/12/6</a>    | ★ ★ ★       | ★ ★ ★ ★   | 49% | 35% | 4.0 | 0.45 | 0.47 | 1.12 |
| AWS-025-34   | <a href="#">6.38EVanClr/12Ar/6</a>  | ★ ★ ★       | ★ ★ ★ ★   | 49% | 36% | 3.9 | 0.45 | 0.47 | 1.12 |
| AWS-025-35   | <a href="#">6.38EVanGy/12/6</a>     | ★ ★ ★ ★ ☆   | ★ ★ ★ ☆   | 63% | 31% | 3.5 | 0.28 | 0.23 | 1.12 |
| AWS-025-36   | <a href="#">6.38EVanGy/12Ar/6</a>   | ★ ★ ★ ★ ☆   | ★ ★ ★ ☆   | 64% | 33% | 3.3 | 0.27 | 0.23 | 1.12 |
| AWS-025-37   | <a href="#">10.38LamClr/8/6</a>     | ★ ★ ★ ☆     | ★ ★ ★ ☆   | 50% | 32% | 4.1 | 0.42 | 0.47 | 1.12 |
| AWS-025-38   | <a href="#">10.38LamClr/8Ar/6</a>   | ★ ★ ★ ☆     | ★ ★ ★ ☆   | 51% | 34% | 4.0 | 0.42 | 0.47 | 1.12 |
| AWS-025-39   | <a href="#">10.38LamGy/8/6</a>      | ★ ★ ★ ★ ★   | ★ ★ ☆     | 68% | 15% | 4.1 | 0.15 | 0.08 | 1.12 |
| AWS-025-40   | <a href="#">10.38LamGy/8Ar/6</a>    | ★ ★ ★ ★ ★ ☆ | ★ ★ ☆     | 69% | 17% | 4.0 | 0.15 | 0.08 | 1.12 |
| AWS-025-41   | <a href="#">10.38TLamGy/8/6</a>     | ★ ★ ★ ★     | ★ ★ ★ ☆   | 57% | 34% | 3.6 | 0.36 | 0.42 | 1.12 |
| AWS-025-42   | <a href="#">10SnClr/8/6</a>         | ★ ★ ★ ☆     | ★ ★ ★ ☆   | 53% | 35% | 3.8 | 0.40 | 0.46 | 1.12 |
| AWS-025-43   | <a href="#">10SnClr/8Ar/6</a>       | ★ ★ ★ ☆     | ★ ★ ★ ★   | 55% | 37% | 3.6 | 0.39 | 0.46 | 1.12 |
| AWS-025-44   | <a href="#">10.38SnClr/8/6</a>      | ★ ★ ★ ☆     | ★ ★ ★ ☆   | 54% | 35% | 3.7 | 0.38 | 0.45 | 1.12 |
| AWS-025-45   | <a href="#">10.38SnClr/8Ar/6</a>    | ★ ★ ★ ★     | ★ ★ ★ ★   | 56% | 37% | 3.5 | 0.38 | 0.45 | 1.12 |
| <b>AWS COMMERCIAL SERIES 804-852 HINGED DOOR THERMAL HEART - DOUBLE GLAZED</b> |                                     |             |           |     |     |     |      |      |      |
| AWS-053-01   | <a href="#">638ClrLam/12/6Clr</a>   | ★ ★ ★ ☆     | ★ ★ ★ ★   | 53% | 37% | 3.4 | 0.42 | 0.45 | 5.00 |
| AWS-053-02   | <a href="#">638ClrLam/12Ar/6Clr</a> | ★ ★ ★ ☆     | ★ ★ ★ ★   | 54% | 38% | 3.3 | 0.42 | 0.45 | 5.00 |
| AWS-053-03   | <a href="#">638CPGy/12/6Clr</a>     | ★ ★ ★ ★ ★   | ★ ★ ★ ☆   | 66% | 32% | 3.0 | 0.26 | 0.20 | 5.00 |
| AWS-053-04   | <a href="#">638CPGy/12Ar/6Clr</a>   | ★ ★ ★ ★ ★   | ★ ★ ★ ☆   | 67% | 33% | 2.8 | 0.26 | 0.20 | 5.00 |
| AWS-053-05   | <a href="#">638CPClr/12/6Clr</a>    | ★ ★ ★ ★     | ★ ★ ★ ★   | 59% | 38% | 2.9 | 0.37 | 0.42 | 5.00 |
| AWS-053-06   | <a href="#">638CPClr/12Ar/6Clr</a>  | ★ ★ ★ ★     | ★ ★ ★ ★   | 59% | 39% | 2.9 | 0.37 | 0.42 | 5.00 |

|            |                                     |         |         |     |     |     |      |      |      |
|------------|-------------------------------------|---------|---------|-----|-----|-----|------|------|------|
| AWS-053-07 | <a href="#">638TS30/12/6Clr</a>     | ★★★★★   | ★★★     | 68% | 22% | 3.4 | 0.20 | 0.17 | 5.00 |
| AWS-053-08 | <a href="#">638TS30/12Ar/6Clr</a>   | ★★★★★   | ★★★     | 69% | 23% | 3.3 | 0.19 | 0.17 | 5.00 |
| AWS-053-09 | <a href="#">1038SnClr/8/6Clr</a>    | ★★★★☆   | ★★★☆☆   | 63% | 31% | 3.2 | 0.29 | 0.33 | 5.00 |
| AWS-053-10 | <a href="#">1038SnClr/8Ar/6Clr</a>  | ★★★★☆   | ★★★☆☆   | 64% | 33% | 3.0 | 0.29 | 0.33 | 5.00 |
| AWS-053-11 | <a href="#">6.38SnClr/12/6Clr</a>   | ★★★★☆   | ★★★☆☆   | 62% | 33% | 3.1 | 0.31 | 0.34 | 5.00 |
| AWS-053-12 | <a href="#">1038ClrLam/8/6Clr</a>   | ★★★★    | ★★★☆☆   | 60% | 30% | 3.4 | 0.32 | 0.34 | 5.00 |
| AWS-053-13 | <a href="#">1038ClrLam/8Ar/6Clr</a> | ★★★★☆   | ★★★☆☆   | 60% | 31% | 3.3 | 0.32 | 0.34 | 5.00 |
| AWS-053-14 | <a href="#">6EVGy/12/6Clr</a>       | ★★★★★   | ★★★     | 69% | 28% | 3.0 | 0.21 | 0.17 | 5.00 |
| AWS-053-15 | <a href="#">6SnGy/12Ar/6Clr</a>     | ★★★★★   | ★★★     | 68% | 28% | 3.1 | 0.22 | 0.16 | 5.00 |
| AWS-053-16 | <a href="#">6SnGy/12/6Clr</a>       | ★★★★★   | ★★★☆☆   | 69% | 29% | 2.9 | 0.22 | 0.16 | 5.00 |
| AWS-053-17 | <a href="#">6EVGy/12Ar/6Clr</a>     | ★★★★★☆☆ | ★★★☆☆   | 70% | 29% | 2.9 | 0.21 | 0.17 | 5.00 |
| AWS-053-18 | <a href="#">6EVClr/12/6Clr</a>      | ★★★★    | ★★★☆☆   | 58% | 32% | 3.4 | 0.35 | 0.34 | 5.00 |
| AWS-053-19 | <a href="#">6EVClr/12Ar/6Clr</a>    | ★★★★    | ★★★☆☆   | 59% | 33% | 3.3 | 0.35 | 0.34 | 5.00 |
| AWS-053-20 | <a href="#">4SG/16Ar/4Clr</a>       | ★★★★☆   | ★★★☆☆   | 63% | 29% | 3.3 | 0.28 | 0.38 | 5.00 |
| AWS-053-21 | <a href="#">6.38GyLam/12Ar/6Clr</a> | ★★★★    | ★★★☆☆   | 58% | 37% | 3.1 | 0.37 | 0.42 | 5.00 |
| AWS-053-22 | <a href="#">6.38GyLam/12/6Clr</a>   | ★★★★★☆☆ | ★★★☆☆   | 72% | 20% | 3.3 | 0.16 | 0.07 | 5.00 |
| AWS-053-23 | <a href="#">6.38SnClr/12Ar/6Clr</a> | ★★★★★☆☆ | ★★★☆☆   | 71% | 19% | 3.4 | 0.16 | 0.07 | 5.00 |
| AWS-053-24 | <a href="#">6SnClr/12/6Clr</a>      | ★★★★★☆☆ | ★★★☆☆   | 63% | 35% | 2.9 | 0.30 | 0.34 | 5.00 |
| AWS-053-25 | <a href="#">6SnClr/12Ar/6Clr</a>    | ★★★★★☆☆ | ★★★☆☆   | 62% | 34% | 3.1 | 0.31 | 0.34 | 5.00 |
| AWS-053-26 | <a href="#">10SnClr/8/6Clr</a>      | ★★★★★☆☆ | ★★★☆☆   | 62% | 35% | 3.0 | 0.31 | 0.34 | 5.00 |
| AWS-053-27 | <a href="#">10SnClr/8Ar/6Clr</a>    | ★★★★★☆☆ | ★★★☆☆   | 62% | 32% | 3.2 | 0.30 | 0.34 | 5.00 |
| AWS-053-28 | <a href="#">638CPGy/8/4Clr</a>      | ★★★★★☆☆ | ★★★☆☆   | 63% | 33% | 3.1 | 0.30 | 0.34 | 5.00 |
| AWS-053-29 | <a href="#">638CPGy/8Ar/4Clr</a>    | ★★★★★☆☆ | ★★★☆☆   | 65% | 30% | 3.1 | 0.27 | 0.20 | 5.00 |
| AWS-053-30 | <a href="#">638CPClr/8/4Clr</a>     | ★★★★★   | ★★★☆☆   | 66% | 32% | 2.9 | 0.26 | 0.20 | 5.00 |
| AWS-053-31 | <a href="#">638CPClr/8Ar/4Clr</a>   | ★★★★★   | ★★★☆☆   | 66% | 32% | 2.9 | 0.26 | 0.20 | 5.00 |
| AWS-053-32 | <a href="#">3SG/12/3Clr</a>         | ★★★★★☆☆ | ★★★     | 62% | 28% | 3.4 | 0.29 | 0.37 | 5.00 |
| AWS-053-33 | <a href="#">3Clr/12Ar/3ET</a>       | ★★★★☆   | ★★★☆☆☆☆ | 55% | 43% | 2.8 | 0.43 | 0.43 | 5.00 |
| AWS-053-34 | <a href="#">4SnClr/10/4Clr</a>      | ★★★★★☆☆ | ★★★☆☆   | 61% | 34% | 3.2 | 0.33 | 0.35 | 5.00 |
| AWS-053-35 | <a href="#">4SnClr/10Ar/4Clr</a>    | ★★★★★☆☆ | ★★★☆☆   | 61% | 35% | 3.0 | 0.32 | 0.35 | 5.00 |
| AWS-053-36 | <a href="#">4Clr/10/4Clr</a>        | ★★★★☆   | ★★★☆☆   | 50% | 38% | 3.5 | 0.45 | 0.46 | 5.00 |
| AWS-053-37 | <a href="#">4Clr/10/4ET</a>         | ★★★★★☆☆ | ★★★☆☆☆☆ | 55% | 43% | 2.9 | 0.43 | 0.42 | 5.00 |
| AWS-053-38 | <a href="#">5Clr/8/5Clr</a>         | ★★★★☆   | ★★★☆☆   | 52% | 36% | 3.5 | 0.43 | 0.45 | 5.00 |
| AWS-053-39 | <a href="#">5Clr/8Ar/5Clr</a>       | ★★★★★☆☆ | ★★★☆☆   | 52% | 37% | 3.4 | 0.44 | 0.46 | 5.00 |
| AWS-053-40 | <a href="#">4Az/10/4ET</a>          | ★★★★★   | ★★★☆☆   | 66% | 30% | 3.0 | 0.25 | 0.35 | 5.00 |
| AWS-053-41 | <a href="#">5SG/8Ar/5ET</a>         | ★★★★★   | ★★★☆☆   | 67% | 30% | 3.0 | 0.25 | 0.34 | 5.00 |

| Architectural Window Systems                           |         | Total Window - NFRC |      |    |  |          |
|--|---------|---------------------|------|----|--|----------|
| Updated - 16-Apr-11                                    |         |                     |      |    |  |          |
| Window ID  | Glazing | Uw                  | SHGC | Tw |  | Air Inf. |
| AWS COMMERCIAL SERIES 400 CENTREGLAZED - SINGLE GLAZED |         |                     |      |    |  |          |

|            |                             |     |      |      |      |
|------------|-----------------------------|-----|------|------|------|
| AWS-027-01 | <a href="#">4SnClr</a>      | 4.4 | 0.56 | 0.62 | 0.00 |
| AWS-027-02 | <a href="#">6SnClr</a>      | 4.3 | 0.54 | 0.62 | 0.00 |
| AWS-027-03 | <a href="#">6EVanBG</a>     | 4.1 | 0.41 | 0.51 | 0.00 |
| AWS-027-04 | <a href="#">6EVanClr</a>    | 4.1 | 0.57 | 0.61 | 0.00 |
| AWS-027-05 | <a href="#">6EVanGy</a>     | 4.1 | 0.37 | 0.29 | 0.00 |
| AWS-027-06 | <a href="#">6EVanSpB</a>    | 4.1 | 0.33 | 0.35 | 0.00 |
| AWS-027-07 | <a href="#">6EVanSpGn</a>   | 4.1 | 0.33 | 0.44 | 0.00 |
| AWS-027-08 | <a href="#">6.38LamGy</a>   | 5.8 | 0.32 | 0.12 | 0.00 |
| AWS-027-09 | <a href="#">6.38TLam</a>    | 5.8 | 0.37 | 0.30 | 0.00 |
| AWS-027-10 | <a href="#">6.38SnClr</a>   | 4.3 | 0.53 | 0.62 | 0.00 |
| AWS-027-11 | <a href="#">6.38SnGy</a>    | 4.3 | 0.39 | 0.29 | 0.00 |
| AWS-027-12 | <a href="#">6.38CPClr</a>   | 3.9 | 0.62 | 0.75 | 0.00 |
| AWS-027-13 | <a href="#">6.38CPGn</a>    | 3.9 | 0.46 | 0.65 | 0.00 |
| AWS-027-14 | <a href="#">6.38CPGy</a>    | 3.9 | 0.45 | 0.36 | 0.00 |
| AWS-027-15 | <a href="#">10SnClr</a>     | 4.3 | 0.52 | 0.60 | 0.00 |
| AWS-027-16 | <a href="#">10.38LamClr</a> | 5.7 | 0.58 | 0.61 | 0.00 |
| AWS-027-17 | <a href="#">10.38LamGy</a>  | 5.7 | 0.24 | 0.10 | 0.00 |
| AWS-027-18 | <a href="#">10.38TLam</a>   | 3.8 | 0.46 | 0.55 | 0.00 |
| AWS-027-19 | <a href="#">10.38SnClr</a>  | 4.2 | 0.50 | 0.60 | 0.00 |

**AWS COMMERCIAL SERIES 424 CENTREGLAZED - DOUBLE GLAZED**

|            |                                   |     |      |      |      |
|------------|-----------------------------------|-----|------|------|------|
| AWS-028-01 | <a href="#">4SnClr/10/4</a>       | 3.0 | 0.48 | 0.54 | 0.00 |
| AWS-028-02 | <a href="#">4SnClr/10Ar/4</a>     | 2.8 | 0.47 | 0.54 | 0.00 |
| AWS-028-03 | <a href="#">6.38LamClr/12/6</a>   | 3.4 | 0.62 | 0.70 | 0.00 |
| AWS-028-04 | <a href="#">6.38LamClr/12Ar/6</a> | 3.2 | 0.62 | 0.70 | 0.00 |
| AWS-028-05 | <a href="#">6.38SnClr/12/6</a>    | 2.9 | 0.46 | 0.53 | 0.00 |
| AWS-028-06 | <a href="#">6.38SnClr/12Ar/6</a>  | 2.7 | 0.46 | 0.53 | 0.00 |
| AWS-028-07 | <a href="#">6.38CPClr/8/4</a>     | 3.0 | 0.39 | 0.31 | 0.00 |
| AWS-028-08 | <a href="#">6.38CPClr/8Ar/4</a>   | 2.7 | 0.54 | 0.65 | 0.00 |
| AWS-028-09 | <a href="#">6.38CPClr/12/6</a>    | 2.7 | 0.54 | 0.64 | 0.00 |
| AWS-028-10 | <a href="#">6.38CPClr/12Ar/6</a>  | 2.5 | 0.54 | 0.64 | 0.00 |
| AWS-028-11 | <a href="#">6.38CPGy/8/4</a>      | 3.0 | 0.39 | 0.31 | 0.00 |
| AWS-028-12 | <a href="#">6.38CPGy/8Ar/4</a>    | 2.7 | 0.38 | 0.31 | 0.00 |
| AWS-028-13 | <a href="#">6.38CPGy/12/6</a>     | 2.7 | 0.54 | 0.64 | 0.00 |
| AWS-028-14 | <a href="#">6.38CPGy/12Ar/6</a>   | 2.5 | 0.37 | 0.31 | 0.00 |
| AWS-028-15 | <a href="#">6.38LamGy/12/6</a>    | 3.4 | 0.22 | 0.10 | 0.00 |
| AWS-028-16 | <a href="#">6.38LamGy/12Ar/6</a>  | 3.2 | 0.21 | 0.10 | 0.00 |
| AWS-028-17 | <a href="#">6.38SnGy/12/6</a>     | 2.9 | 0.45 | 0.53 | 0.00 |
| AWS-028-18 | <a href="#">6.38SnGy/12Ar/6</a>   | 2.7 | 0.44 | 0.53 | 0.00 |
| AWS-028-19 | <a href="#">6.38TLam/12/6</a>     | 3.4 | 0.28 | 0.26 | 0.00 |
| AWS-028-20 | <a href="#">6.38TLam/12Ar/6</a>   | 3.2 | 0.27 | 0.26 | 0.00 |
| AWS-028-21 | <a href="#">6SnClr/12/6</a>       | 2.9 | 0.46 | 0.53 | 0.00 |
| AWS-028-22 | <a href="#">6SnClr/12Ar/6</a>     | 2.7 | 0.46 | 0.53 | 0.00 |

|            |                                   |     |      |      |      |
|------------|-----------------------------------|-----|------|------|------|
| AWS-028-23 | <a href="#">6EVanClr/12/6</a>     | 3.4 | 0.50 | 0.53 | 0.00 |
| AWS-028-24 | <a href="#">6EVanClr/12Ar/6</a>   | 3.2 | 0.50 | 0.53 | 0.00 |
| AWS-028-25 | <a href="#">6EVanGy/12/6</a>      | 2.8 | 0.31 | 0.25 | 0.00 |
| AWS-028-26 | <a href="#">6EVanGy/12Ar/6</a>    | 2.6 | 0.30 | 0.25 | 0.00 |
| AWS-028-27 | <a href="#">10.38LamClr/8/6</a>   | 3.5 | 0.47 | 0.53 | 0.00 |
| AWS-028-28 | <a href="#">10.38LamClr/8Ar/6</a> | 3.3 | 0.46 | 0.53 | 0.00 |
| AWS-028-29 | <a href="#">10.38SnClr/8/6</a>    | 3.1 | 0.43 | 0.52 | 0.00 |
| AWS-028-30 | <a href="#">10.38SnClr/8Ar/6</a>  | 2.8 | 0.42 | 0.52 | 0.00 |
| AWS-028-31 | <a href="#">10.38LamGy/8/6</a>    | 3.5 | 0.17 | 0.09 | 0.00 |
| AWS-028-32 | <a href="#">10.38LamGy/8Ar/6</a>  | 3.3 | 0.16 | 0.09 | 0.00 |
| AWS-028-33 | <a href="#">10.38TLam/8/6</a>     | 2.9 | 0.40 | 0.47 | 0.00 |

**AWS COMMERCIAL 406 FRONTGLAZED - SINGLE GLAZED**

|            |                             |     |      |      |      |
|------------|-----------------------------|-----|------|------|------|
| AWS-049-01 | <a href="#">4SnClr</a>      | 5.1 | 0.55 | 0.60 | 0.72 |
| AWS-049-02 | <a href="#">6SnClr</a>      | 5.0 | 0.54 | 0.59 | 0.72 |
| AWS-049-03 | <a href="#">6EVanBG</a>     | 4.8 | 0.41 | 0.49 | 0.72 |
| AWS-049-04 | <a href="#">6EVanClr</a>    | 4.8 | 0.56 | 0.58 | 0.72 |
| AWS-049-05 | <a href="#">6EVanGy</a>     | 4.8 | 0.37 | 0.28 | 0.72 |
| AWS-049-06 | <a href="#">6EVanSpB</a>    | 4.8 | 0.33 | 0.34 | 0.72 |
| AWS-049-07 | <a href="#">6EVanSpGn</a>   | 4.8 | 0.33 | 0.42 | 0.72 |
| AWS-049-08 | <a href="#">6.38LamGy</a>   | 6.4 | 0.32 | 0.11 | 0.72 |
| AWS-049-09 | <a href="#">6.38LamClr</a>  | 6.3 | 0.70 | 0.76 | 0.72 |
| AWS-049-10 | <a href="#">6.38TLam</a>    | 6.4 | 0.37 | 0.29 | 0.72 |
| AWS-049-11 | <a href="#">6.38SnClr</a>   | 4.9 | 0.52 | 0.59 | 0.72 |
| AWS-049-12 | <a href="#">6.38SnGy</a>    | 4.9 | 0.40 | 0.28 | 0.72 |
| AWS-049-13 | <a href="#">6.38Sct</a>     | 4.6 | 0.61 | 0.71 | 0.72 |
| AWS-049-14 | <a href="#">6.38CPNtrl</a>  | 4.6 | 0.45 | 0.50 | 0.72 |
| AWS-049-15 | <a href="#">6.38CPClr</a>   | 4.6 | 0.61 | 0.72 | 0.72 |
| AWS-049-16 | <a href="#">6.38CPGn</a>    | 4.6 | 0.46 | 0.62 | 0.72 |
| AWS-049-17 | <a href="#">6.38CPGy</a>    | 4.6 | 0.45 | 0.34 | 0.72 |
| AWS-049-18 | <a href="#">10SnClr</a>     | 4.9 | 0.51 | 0.58 | 0.72 |
| AWS-049-19 | <a href="#">10.38LamClr</a> | 6.2 | 0.57 | 0.59 | 0.72 |
| AWS-049-20 | <a href="#">10.38LamGy</a>  | 6.2 | 0.24 | 0.10 | 0.72 |
| AWS-049-21 | <a href="#">10.38TLam</a>   | 4.5 | 0.46 | 0.53 | 0.72 |
| AWS-049-22 | <a href="#">10.38SnClr</a>  | 4.6 | 0.49 | 0.57 | 0.72 |

**AWS COMMERCIAL SERIES 407 FACELINE - SINGLE GLAZED**

|            |                           |     |      |      |      |
|------------|---------------------------|-----|------|------|------|
| AWS-038-01 | <a href="#">4SnClr</a>    | 4.8 | 0.54 | 0.60 | 0.20 |
| AWS-038-02 | <a href="#">6SnClr</a>    | 4.7 | 0.53 | 0.59 | 0.20 |
| AWS-038-03 | <a href="#">6EVanBG</a>   | 4.5 | 0.40 | 0.50 | 0.20 |
| AWS-038-04 | <a href="#">6EVanClr</a>  | 4.5 | 0.56 | 0.58 | 0.20 |
| AWS-038-05 | <a href="#">6EVanGy</a>   | 4.5 | 0.37 | 0.28 | 0.20 |
| AWS-038-06 | <a href="#">6EVanSpB</a>  | 4.5 | 0.32 | 0.34 | 0.20 |
| AWS-038-07 | <a href="#">6EVanSpGn</a> | 4.5 | 0.32 | 0.42 | 0.20 |

|  |                                   |     |      |      |      |
|--|-----------------------------------|-----|------|------|------|
| AWS-038-08   | <a href="#">6.38VLam</a>          | 6.2 | 0.72 | 0.78 | 0.20 |
| AWS-038-09   | <a href="#">6.38VLamGy</a>        | 6.2 | 0.32 | 0.11 | 0.20 |
| AWS-038-10   | <a href="#">6.38TLam</a>          | 6.2 | 0.36 | 0.29 | 0.20 |
| AWS-038-11   | <a href="#">6.38SnClr</a>         | 4.7 | 0.52 | 0.59 | 0.20 |
| AWS-038-12   | <a href="#">6.38SnGy</a>          | 4.7 | 0.39 | 0.28 | 0.20 |
| AWS-038-13   | <a href="#">6.38Sct</a>           | 4.3 | 0.61 | 0.71 | 0.20 |
| AWS-038-14   | <a href="#">6.38CPNtrl</a>        | 4.4 | 0.46 | 0.52 | 0.20 |
| AWS-038-15   | <a href="#">6.38CPClr</a>         | 4.3 | 0.61 | 0.72 | 0.20 |
| AWS-038-16   | <a href="#">6.38CPGn</a>          | 4.3 | 0.45 | 0.62 | 0.20 |
| AWS-038-17   | <a href="#">6.38CPGy</a>          | 4.3 | 0.44 | 0.34 | 0.20 |
| AWS-038-18   | <a href="#">10SnClr</a>           | 4.7 | 0.51 | 0.58 | 0.20 |
| AWS-038-19   | <a href="#">10.38LamClr</a>       | 6.0 | 0.56 | 0.59 | 0.20 |
| AWS-038-20   | <a href="#">10.38LamGy</a>        | 6.0 | 0.24 | 0.10 | 0.20 |
| AWS-038-21   | <a href="#">10.38TLam</a>         | 4.3 | 0.46 | 0.53 | 0.20 |
| AWS-038-22   | <a href="#">10.38SnClr</a>        | 4.6 | 0.49 | 0.58 | 0.20 |
| <b>AWS COMMERCIAL SERIES 426 FRONTGLAZED - DOUBLE GLAZED</b> |                                   |     |      |      |      |
| AWS-043-01   | <a href="#">3/12Ar/3ET</a>        | 2.8 | 0.63 | 0.64 | 0.01 |
| AWS-043-02   | <a href="#">3SG/12/3</a>          | 3.6 | 0.46 | 0.59 | 0.01 |
| AWS-043-03   | <a href="#">4Az/10/4ET</a>        | 3.0 | 0.36 | 0.53 | 0.01 |
| AWS-043-04   | <a href="#">4/10/4</a>            | 3.7 | 0.65 | 0.68 | 0.01 |
| AWS-043-05   | <a href="#">4/10/4ET</a>          | 3.0 | 0.61 | 0.63 | 0.01 |
| AWS-043-06   | <a href="#">4/10Ar/4ET</a>        | 2.8 | 0.62 | 0.63 | 0.01 |
| AWS-043-07   | <a href="#">4SnClr/10/4</a>       | 3.2 | 0.47 | 0.53 | 0.01 |
| AWS-043-08   | <a href="#">4SnClr/10Ar/4</a>     | 3.0 | 0.47 | 0.53 | 0.01 |
| AWS-043-09   | <a href="#">5/8/5</a>             | 3.8 | 0.64 | 0.68 | 0.01 |
| AWS-043-10   | <a href="#">5SG/8Ar/5ET</a>       | 2.9 | 0.37 | 0.52 | 0.01 |
| AWS-043-11   | <a href="#">6.38LamClr/12/6</a>   | 3.5 | 0.61 | 0.67 | 0.01 |
| AWS-043-12   | <a href="#">6.38LamClr/12Ar/6</a> | 3.4 | 0.61 | 0.67 | 0.01 |
| AWS-043-13   | <a href="#">6.38SnClr/12/6</a>    | 3.1 | 0.46 | 0.51 | 0.01 |
| AWS-043-14   | <a href="#">6.38SnClr/12Ar/6</a>  | 2.9 | 0.45 | 0.51 | 0.01 |
| AWS-043-15   | <a href="#">6.38CPClr/8/4</a>     | 3.2 | 0.54 | 0.63 | 0.01 |
| AWS-043-16   | <a href="#">6.38CPClr/8Ar/4</a>   | 2.9 | 0.54 | 0.63 | 0.01 |
| AWS-043-17   | <a href="#">6.38CPClr/12/6</a>    | 2.9 | 0.53 | 0.62 | 0.01 |
| AWS-043-18   | <a href="#">6.38CPClr/12Ar/6</a>  | 2.7 | 0.53 | 0.62 | 0.01 |
| AWS-043-19   | <a href="#">6.38CPGy/8/4</a>      | 3.2 | 0.39 | 0.30 | 0.01 |
| AWS-043-20   | <a href="#">6.38CPGy/8Ar/4</a>    | 2.9 | 0.38 | 0.30 | 0.01 |
| AWS-043-21   | <a href="#">6.38CPGy/12/6</a>     | 2.9 | 0.38 | 0.30 | 0.01 |
| AWS-043-22   | <a href="#">6.38CPGy/12Ar/6</a>   | 2.7 | 0.37 | 0.30 | 0.01 |
| AWS-043-23   | <a href="#">6.38LamGy/12/6</a>    | 3.5 | 0.22 | 0.10 | 0.01 |
| AWS-043-24   | <a href="#">6.38LamGy/12Ar/6</a>  | 3.4 | 0.22 | 0.10 | 0.01 |
| AWS-043-25   | <a href="#">6.38SnGy/12/6</a>     | 3.1 | 0.44 | 0.51 | 0.01 |
| AWS-043-26   | <a href="#">6.38SnGy/12Ar/6</a>   | 2.9 | 0.44 | 0.51 | 0.01 |

|  |                                   |     |      |      |      |
|--|-----------------------------------|-----|------|------|------|
| AWS-043-27   | <a href="#">6.38TLam/12/6</a>     | 3.5 | 0.28 | 0.25 | 0.01 |
| AWS-043-28   | <a href="#">6.38TLam/12Ar/6</a>   | 3.4 | 0.27 | 0.25 | 0.01 |
| AWS-043-29   | <a href="#">6.38SnClr/12/6</a>    | 3.1 | 0.46 | 0.51 | 0.01 |
| AWS-043-30   | <a href="#">6.38SnClr/12Ar/6</a>  | 2.9 | 0.45 | 0.51 | 0.01 |
| AWS-043-31   | <a href="#">6EVanClr/12/6</a>     | 3.5 | 0.50 | 0.51 | 0.01 |
| AWS-043-32   | <a href="#">6EVanClr/12Ar/6</a>   | 3.4 | 0.50 | 0.51 | 0.01 |
| AWS-043-33   | <a href="#">6EVanGy/12/6</a>      | 2.9 | 0.30 | 0.25 | 0.01 |
| AWS-043-34   | <a href="#">6EVanGy/12Ar/6</a>    | 2.9 | 0.38 | 0.38 | 0.01 |
| AWS-043-35   | <a href="#">10.38LamClr/8/6</a>   | 3.7 | 0.46 | 0.51 | 0.01 |
| AWS-043-36   | <a href="#">10.38LamClr/8Ar/6</a> | 3.5 | 0.46 | 0.51 | 0.01 |
| AWS-043-37   | <a href="#">10.38SnClr/8/6</a>    | 3.3 | 0.43 | 0.50 | 0.01 |
| AWS-043-38   | <a href="#">10.38SnClr/8Ar/6</a>  | 3.1 | 0.42 | 0.50 | 0.01 |
| AWS-043-39   | <a href="#">10.38LamGy/8/6</a>    | 3.7 | 0.17 | 0.09 | 0.01 |
| AWS-043-40   | <a href="#">10.38LamGy/8Ar/6</a>  | 3.5 | 0.17 | 0.09 | 0.01 |
| AWS-043-41   | <a href="#">10.38TLamGy/8/6</a>   | 3.1 | 0.40 | 0.46 | 0.01 |
| <b>AWS COMMERCIAL SERIES 606 (150mm) FRONTGLAZED - SINGLE GLAZED</b>               |                                   |     |      |      |      |
| AWS-039-01   | <a href="#">4SnClr</a>            | 5.1 | 0.55 | 0.60 | 0.72 |
| AWS-039-02   | <a href="#">6SnClr</a>            | 5.0 | 0.53 | 0.59 | 0.72 |
| AWS-039-03   | <a href="#">6EVanBG</a>           | 4.8 | 0.41 | 0.49 | 0.72 |
| AWS-039-04   | <a href="#">6EVanClr</a>          | 4.8 | 0.56 | 0.58 | 0.72 |
| AWS-039-05   | <a href="#">6EVanGy</a>           | 4.8 | 0.37 | 0.28 | 0.72 |
| AWS-039-06   | <a href="#">6EVanSpB</a>          | 4.8 | 0.33 | 0.34 | 0.72 |
| AWS-039-07   | <a href="#">6EVanSpGn</a>         | 4.8 | 0.33 | 0.42 | 0.72 |
| AWS-039-08   | <a href="#">6.38VLam</a>          | 6.4 | 0.73 | 0.78 | 0.72 |
| AWS-039-09   | <a href="#">6.38VLamGy</a>        | 6.4 | 0.32 | 0.11 | 0.72 |
| AWS-039-10   | <a href="#">6.38TLam</a>          | 6.4 | 0.37 | 0.29 | 0.72 |
| AWS-039-11   | <a href="#">6.38SnClr</a>         | 5.0 | 0.52 | 0.59 | 0.72 |
| AWS-039-12   | <a href="#">6.38SnGy</a>          | 5.0 | 0.39 | 0.28 | 0.72 |
| AWS-039-13   | <a href="#">6.38Sct</a>           | 4.6 | 0.61 | 0.71 | 0.72 |
| AWS-039-14   | <a href="#">6.38CPNtrl</a>        | 4.6 | 0.46 | 0.52 | 0.72 |
| AWS-039-15   | <a href="#">6.38CPClr</a>         | 4.6 | 0.61 | 0.72 | 0.72 |
| AWS-039-16   | <a href="#">6.38CPGn</a>          | 4.6 | 0.45 | 0.62 | 0.72 |
| AWS-039-17   | <a href="#">6.38CPGy</a>          | 4.6 | 0.44 | 0.34 | 0.72 |
| AWS-039-18   | <a href="#">10SnClr</a>           | 5.0 | 0.51 | 0.58 | 0.72 |
| AWS-039-19   | <a href="#">10.38LamClr</a>       | 6.3 | 0.57 | 0.59 | 0.72 |
| AWS-039-20   | <a href="#">10.38LamGy</a>        | 6.3 | 0.24 | 0.10 | 0.72 |
| AWS-039-21   | <a href="#">10.38TLam</a>         | 4.6 | 0.46 | 0.53 | 0.72 |
| AWS-039-22   | <a href="#">10.38SnClr</a>        | 4.9 | 0.50 | 0.58 | 0.72 |
| <b>AWS COMMERCIAL SERIES 600 (150mm) WIDE POCKET OFFSET GLAZED - SINGLE GLAZED</b> |                                   |     |      |      |      |
| AWS-040-01   | <a href="#">4SnClr</a>            | 5.1 | 0.55 | 0.61 | 0.00 |
| AWS-040-02   | <a href="#">6SnClr</a>            | 5.0 | 0.53 | 0.60 | 0.00 |
| AWS-040-03   | <a href="#">6EVanBG</a>           | 4.8 | 0.41 | 0.50 | 0.00 |

|   |                             |     |      |      |      |
|---|-----------------------------|-----|------|------|------|
| AWS-040-04  | <a href="#">6EVanClr</a>    | 4.8 | 0.56 | 0.59 | 0.00 |
| AWS-040-05  | <a href="#">6EVanGy</a>     | 4.8 | 0.37 | 0.29 | 0.00 |
| AWS-040-06  | <a href="#">6EVanSpB</a>    | 4.8 | 0.32 | 0.34 | 0.00 |
| AWS-040-07  | <a href="#">6EVanSpGn</a>   | 4.8 | 0.32 | 0.43 | 0.00 |
| AWS-040-08  | <a href="#">6.38VLam</a>    | 6.4 | 0.73 | 0.79 | 0.00 |
| AWS-040-09  | <a href="#">6.38VLamGy</a>  | 6.4 | 0.32 | 0.12 | 0.00 |
| AWS-040-10  | <a href="#">6.38TLam</a>    | 6.4 | 0.36 | 0.30 | 0.00 |
| AWS-040-11  | <a href="#">6.38SnClr</a>   | 4.9 | 0.52 | 0.60 | 0.00 |
| AWS-040-12  | <a href="#">6.38SnGy</a>    | 4.9 | 0.39 | 0.28 | 0.00 |
| AWS-040-13  | <a href="#">6.38Sct</a>     | 4.6 | 0.61 | 0.72 | 0.00 |
| AWS-040-14  | <a href="#">6.38CPNtrl</a>  | 4.6 | 0.46 | 0.52 | 0.00 |
| AWS-040-15  | <a href="#">6.38CPClr</a>   | 4.6 | 0.61 | 0.73 | 0.00 |
| AWS-040-16  | <a href="#">6.38CPGn</a>    | 4.6 | 0.45 | 0.63 | 0.00 |
| AWS-040-17  | <a href="#">6.38CPGy</a>    | 4.6 | 0.44 | 0.35 | 0.00 |
| AWS-040-18  | <a href="#">10SnClr</a>     | 4.9 | 0.51 | 0.59 | 0.00 |
| AWS-040-19  | <a href="#">10.38LamClr</a> | 6.3 | 0.57 | 0.60 | 0.00 |
| AWS-040-20  | <a href="#">10.38LamGy</a>  | 6.3 | 0.24 | 0.10 | 0.00 |
| AWS-040-21  | <a href="#">10.38Tlam</a>   | 4.5 | 0.46 | 0.54 | 0.00 |
| AWS-040-22  | <a href="#">10.38SnClr</a>  | 4.9 | 0.50 | 0.58 | 0.00 |
| <b>AWS COMMERCIAL SERIES 620 (150mm) WIDE POCKET CENTREGLAZED - SINGLE GLAZED</b> |                             |     |      |      |      |
| AWS-041-01  | <a href="#">4SnClr</a>      | 5.0 | 0.54 | 0.60 | 0.00 |
| AWS-041-02  | <a href="#">6SnClr</a>      | 4.9 | 0.52 | 0.59 | 0.00 |
| AWS-041-03  | <a href="#">6EVanBG</a>     | 4.7 | 0.40 | 0.50 | 0.00 |
| AWS-041-04  | <a href="#">6EVanClr</a>    | 4.7 | 0.55 | 0.58 | 0.00 |
| AWS-041-05  | <a href="#">6EVanGy</a>     | 4.7 | 0.36 | 0.28 | 0.00 |
| AWS-041-06  | <a href="#">6EVanSpB</a>    | 4.7 | 0.32 | 0.34 | 0.00 |
| AWS-041-07  | <a href="#">6EVanSpGn</a>   | 4.7 | 0.32 | 0.42 | 0.00 |
| AWS-041-08  | <a href="#">6.38VLam</a>    | 6.3 | 0.72 | 0.78 | 0.00 |
| AWS-041-09  | <a href="#">6.38VLamGy</a>  | 6.3 | 0.31 | 0.11 | 0.00 |
| AWS-041-10  | <a href="#">6.38TLam</a>    | 6.3 | 0.36 | 0.29 | 0.00 |
| AWS-041-11  | <a href="#">6.38SnClr</a>   | 4.8 | 0.51 | 0.59 | 0.00 |
| AWS-041-12  | <a href="#">6.38SnGy</a>    | 4.8 | 0.38 | 0.28 | 0.00 |
| AWS-041-13  | <a href="#">6.38Sct</a>     | 4.5 | 0.60 | 0.71 | 0.00 |
| AWS-041-14  | <a href="#">6.38CPNtrl</a>  | 4.5 | 0.45 | 0.52 | 0.00 |
| AWS-041-15  | <a href="#">6.38CPClr</a>   | 4.5 | 0.60 | 0.72 | 0.00 |
| AWS-041-16  | <a href="#">6.38CPGn</a>    | 4.5 | 0.44 | 0.62 | 0.00 |
| AWS-041-17  | <a href="#">6.38CPGy</a>    | 4.5 | 0.44 | 0.34 | 0.00 |
| AWS-041-18  | <a href="#">10SnClr</a>     | 4.8 | 0.50 | 0.58 | 0.00 |
| AWS-041-19  | <a href="#">10.38LamClr</a> | 6.1 | 0.56 | 0.59 | 0.00 |
| AWS-041-20  | <a href="#">10.38LamGy</a>  | 6.1 | 0.23 | 0.10 | 0.00 |
| AWS-041-21  | <a href="#">10.38Tlam</a>   | 4.4 | 0.45 | 0.53 | 0.00 |
| AWS-041-22  | <a href="#">10.38SnClr</a>  | 4.8 | 0.49 | 0.58 | 0.00 |

| AWS COMMERCIAL SERIES 626 (150mm) FRONTGLAZED - DOUBLE GLAZED |                                   |     |      |      |      |
|---|-----------------------------------|-----|------|------|------|
| AWS-042-01  | <a href="#">3/12Ar/3ET</a>        | 3.0 | 0.64 | 0.64 | 0.01 |
| AWS-042-02  | <a href="#">3SG/12/3</a>          | 3.9 | 0.46 | 0.59 | 0.01 |
| AWS-042-03  | <a href="#">4Az/10/4ET</a>        | 3.3 | 0.37 | 0.52 | 0.01 |
| AWS-042-04  | <a href="#">4/10/4</a>            | 3.9 | 0.66 | 0.68 | 0.01 |
| AWS-042-05  | <a href="#">4/10/4ET</a>          | 3.3 | 0.62 | 0.63 | 0.01 |
| AWS-042-06  | <a href="#">4/10Ar/4ET</a>        | 3.1 | 0.62 | 0.63 | 0.01 |
| AWS-042-07  | <a href="#">4SnClr/10/4</a>       | 3.5 | 0.48 | 0.53 | 0.01 |
| AWS-042-08  | <a href="#">4SnClr/10Ar/4</a>     | 3.3 | 0.47 | 0.53 | 0.01 |
| AWS-042-09  | <a href="#">5/8/5</a>             | 4.0 | 0.64 | 0.68 | 0.01 |
| AWS-042-10  | <a href="#">5SG/8Ar/5ET</a>       | 3.2 | 0.38 | 0.52 | 0.01 |
| AWS-042-11  | <a href="#">6.38LamClr/12/6</a>   | 3.8 | 0.62 | 0.67 | 0.01 |
| AWS-042-12  | <a href="#">6.38LamClr/12Ar/6</a> | 3.7 | 0.62 | 0.67 | 0.01 |
| AWS-042-13  | <a href="#">6.38SnClr/12/6</a>    | 3.4 | 0.46 | 0.51 | 0.01 |
| AWS-042-14  | <a href="#">6.38SnClr/12Ar/6</a>  | 3.2 | 0.46 | 0.51 | 0.01 |
| AWS-042-15  | <a href="#">6.38CPClr/8/4</a>     | 3.5 | 0.55 | 0.63 | 0.01 |
| AWS-042-16  | <a href="#">6.38CPClr/8Ar/4</a>   | 3.2 | 0.54 | 0.63 | 0.01 |
| AWS-042-17  | <a href="#">6.38CPClr/12/6</a>    | 3.5 | 0.39 | 0.30 | 0.01 |
| AWS-042-18  | <a href="#">6.38CPClr/12Ar/6</a>  | 3.2 | 0.38 | 0.30 | 0.01 |
| AWS-042-19  | <a href="#">6.38CPGy/8/4</a>      | 3.2 | 0.54 | 0.62 | 0.01 |
| AWS-042-20  | <a href="#">6.38CPGy/8Ar/4</a>    | 3.0 | 0.54 | 0.62 | 0.01 |
| AWS-042-21  | <a href="#">6.38CPGy/12/6</a>     | 3.2 | 0.38 | 0.30 | 0.01 |
| AWS-042-22  | <a href="#">6.38CPGy/12Ar/6</a>   | 3.0 | 0.38 | 0.30 | 0.01 |
| AWS-042-23  | <a href="#">6.38LamGy/12/6</a>    | 3.8 | 0.23 | 0.10 | 0.01 |
| AWS-042-24  | <a href="#">6.38LamGy/12Ar/6</a>  | 3.7 | 0.22 | 0.10 | 0.01 |
| AWS-042-25  | <a href="#">6.38SnGy/12/6</a>     | 3.4 | 0.45 | 0.51 | 0.01 |
| AWS-042-26  | <a href="#">6.38SnGy/12Ar/6</a>   | 3.2 | 0.44 | 0.51 | 0.01 |
| AWS-042-27  | <a href="#">6.38TLam/12/6</a>     | 3.8 | 0.28 | 0.25 | 0.01 |
| AWS-042-28  | <a href="#">6.38TLam/12Ar/6</a>   | 3.7 | 0.28 | 0.25 | 0.01 |
| AWS-042-29  | <a href="#">6.38SnClr/12/6</a>    | 3.4 | 0.46 | 0.51 | 0.01 |
| AWS-042-30  | <a href="#">6.38SnClr/12Ar/6</a>  | 3.2 | 0.46 | 0.51 | 0.01 |
| AWS-042-31  | <a href="#">6EVanClr/12/6</a>     | 3.8 | 0.50 | 0.51 | 0.01 |
| AWS-042-32  | <a href="#">6EVanClr/12Ar/6</a>   | 3.7 | 0.50 | 0.51 | 0.01 |
| AWS-042-33  | <a href="#">6EVanGy/12/6</a>      | 3.3 | 0.31 | 0.25 | 0.01 |
| AWS-042-34  | <a href="#">6EVanGy/12Ar/6</a>    | 3.1 | 0.31 | 0.25 | 0.01 |
| AWS-042-35  | <a href="#">10.38LamClr/8/6</a>   | 4.0 | 0.47 | 0.51 | 0.01 |
| AWS-042-36  | <a href="#">10.38LamClr/8Ar/6</a> | 3.8 | 0.47 | 0.51 | 0.01 |
| AWS-042-37  | <a href="#">10.38SnClr/8/6</a>    | 3.6 | 0.43 | 0.50 | 0.01 |
| AWS-042-38  | <a href="#">10.38SnClr/8Ar/6</a>  | 3.3 | 0.43 | 0.50 | 0.01 |
| AWS-042-39  | <a href="#">10.38LamGy/8/6</a>    | 4.0 | 0.18 | 0.09 | 0.01 |
| AWS-042-40  | <a href="#">10.38LamGy/8Ar/6</a>  | 3.8 | 0.17 | 0.09 | 0.01 |
| AWS-042-41  | <a href="#">10.38TLamGy/8/6</a>   | 3.4 | 0.40 | 0.46 | 0.01 |

| AWS COMMERCIAL SERIES 607 (150mm) FACELINE - SINGLE GLAZED |                             |     |      |      |      |
|--|-----------------------------|-----|------|------|------|
| AWS-044-01   | <a href="#">4SnClr</a>      | 4.3 | 0.55 | 0.60 | 0.20 |
| AWS-044-02   | <a href="#">6SnClr</a>      | 4.3 | 0.54 | 0.59 | 0.20 |
| AWS-044-03   | <a href="#">6EVanBG</a>     | 4.1 | 0.41 | 0.49 | 0.20 |
| AWS-044-04   | <a href="#">6EVanClr</a>    | 4.1 | 0.56 | 0.58 | 0.20 |
| AWS-044-05   | <a href="#">6EVanGy</a>     | 4.1 | 0.37 | 0.28 | 0.20 |
| AWS-044-06   | <a href="#">6EVanSpB</a>    | 4.1 | 0.33 | 0.34 | 0.20 |
| AWS-044-07   | <a href="#">6EVanSpGn</a>   | 4.1 | 0.33 | 0.42 | 0.20 |
| AWS-044-08   | <a href="#">6.38VLam</a>    | 5.7 | 0.73 | 0.78 | 0.20 |
| AWS-044-09   | <a href="#">6.38VLamGy</a>  | 5.7 | 0.32 | 0.11 | 0.20 |
| AWS-044-10   | <a href="#">6.38TLam</a>    | 5.7 | 0.37 | 0.29 | 0.20 |
| AWS-044-11   | <a href="#">6.38SnClr</a>   | 4.2 | 0.52 | 0.59 | 0.20 |
| AWS-044-12   | <a href="#">6.38SnGy</a>    | 4.2 | 0.39 | 0.28 | 0.20 |
| AWS-044-13   | <a href="#">6.38Sct</a>     | 3.9 | 0.61 | 0.71 | 0.20 |
| AWS-044-14   | <a href="#">6.38CPNtrl</a>  | 3.9 | 0.46 | 0.51 | 0.20 |
| AWS-044-15   | <a href="#">6.38CPClr</a>   | 3.9 | 0.61 | 0.72 | 0.20 |
| AWS-044-16   | <a href="#">6.38CPGn</a>    | 3.9 | 0.46 | 0.62 | 0.20 |
| AWS-044-17   | <a href="#">6.38CPGy</a>    | 3.9 | 0.45 | 0.34 | 0.20 |
| AWS-044-18   | <a href="#">10SnClr</a>     | 4.3 | 0.52 | 0.58 | 0.20 |
| AWS-044-19   | <a href="#">10.38LamClr</a> | 5.6 | 0.57 | 0.59 | 0.20 |
| AWS-044-20   | <a href="#">10.38LamGy</a>  | 5.6 | 0.25 | 0.10 | 0.20 |
| AWS-044-21   | <a href="#">10.38Tlam</a>   | 3.9 | 0.46 | 0.53 | 0.20 |
| AWS-044-22   | <a href="#">10.38SnClr</a>  | 4.8 | 0.51 | 0.57 | 0.20 |