


| WING | WALL DIMENSIONS | | | | | | | | No. WEEP HOLES | FOOTING BAR SPACINGS | | | | | | | | | | | | | |
|------|-----------------|--------|-------|-----------|-----------|--------|--------|-------|----------------|----------------------|-------|-----|--------|-----|-------|------------------|--------|-----|-------|-----|--------|-----|-------|
| | J | K1 | K2 | L1 | L2 | M | N1 | N2 | | WF1 | | WF2 | | WF3 | | WF4, WF8 to WF10 | | WF5 | | WF6 | | WF7 | |
| | | | | | | | | | | LL | MM | AA | BB | CC | DD | NN | OO | EE | FF | GG | HH | JJ | KK |
| A | 1'-6" | 4'-0" | 1'-9" | 1'-0" | 1'-0" | 5'-0" | 4'-0" | 3'-0" | - | 3 | 2'-6" | - | - | 4 | 4'-0" | 1 | 0'-8" | - | - | 4 | 4'-0" | - | - |
| B | 1'-6" | 4'-6" | 1'-9" | 1'-0" | 1'-0" | 6'-0" | 4'-0" | 3'-0" | - | 3 | 2'-6" | - | - | 5 | 5'-0" | 1 | 0'-8" | - | - | 5 | 5'-0" | - | - |
| C | 1'-6" | 5'-0" | 1'-9" | 1'-0" | 1'-0" | 7'-0" | 4'-0" | 3'-0" | - | 3 | 2'-6" | - | - | 6 | 6'-0" | 1 | 0'-8" | - | - | 6 | 6'-0" | - | - |
| D | 1'-6" | 5'-6" | 2'-3" | 1'-0" | 1'-0" | 7'-0" | 4'-3" | 3'-0" | - | 3 | 2'-6" | - | - | 6 | 6'-0" | 1 | 0'-8" | - | - | 6 | 6'-0" | - | - |
| E | 1'-6" | 6'-0" | 2'-3" | 1'-0" | 1'-0" | 8'-0" | 4'-6" | 3'-0" | - | 3 | 2'-6" | - | - | 7 | 7'-0" | 1 | 0'-8" | - | - | 7 | 7'-0" | - | - |
| F | 1'-6" | 6'-6" | 2'-3" | 1'-0" | 1'-0" | 9'-0" | 4'-9" | 3'-0" | - | 3 | 2'-6" | - | - | 8 | 8'-0" | 1 | 0'-8" | - | - | 8 | 8'-0" | - | - |
| G | 1'-6" | 7'-0" | 2'-9" | 1'-0" | 1'-0" | 9'-0" | 5'-6" | 3'-0" | - | 3 | 2'-6" | 1 | 1'-0" | 4 | 4'-0" | 1 | 0'-8" | 6 | 4'-6" | 8 | 8'-0" | - | - |
| H | 1'-6" | 7'-6" | 2'-9" | 1'-0" | 1'-0" | 10'-0" | 5'-6" | 3'-0" | - | 3 | 2'-6" | 1 | 1'-0" | 5 | 5'-0" | 1 | 0'-8" | 6 | 4'-6" | 9 | 9'-0" | - | - |
| I | 1'-6" | 8'-0" | 3'-0" | 1'-0" | 1'-0" | 11'-0" | 6'-0" | 3'-0" | - | 3 | 2'-6" | 1 | 1'-0" | 5 | 5'-0" | 1 | 0'-8" | 6 | 4'-6" | 10 | 10'-0" | - | - |
| J | 1'-6" | 8'-6" | 3'-0" | 1'-0" | 1'-0" | 12'-0" | 6'-6" | 3'-0" | - | 3 | 2'-6" | 2 | 2'-0" | 6 | 6'-0" | 1 | 0'-8" | 6 | 4'-6" | 11 | 11'-0" | - | - |
| K | 1'-6" | 9'-0" | 3'-6" | 1'-0" | 1'-0" | 13'-0" | 7'-0" | 3'-0" | - | 3 | 2'-6" | 2 | 2'-0" | 7 | 7'-0" | 1 | 0'-8" | 6 | 4'-6" | 12 | 12'-0" | - | - |
| L | 1'-6" | 9'-6" | 3'-6" | 1'-0" | 1'-0" | 13'-0" | 7'-6" | 3'-0" | - | 3 | 2'-6" | 3 | 3'-0" | 7 | 7'-0" | 1 | 0'-8" | 6 | 4'-6" | 12 | 12'-0" | - | - |
| M | 1'-6" | 10'-0" | 3'-6" | 1'-0" | 1'-0" | 14'-0" | 7'-6" | 3'-0" | - | 3 | 2'-6" | 3 | 3'-0" | 6 | 6'-0" | 1 | 0'-8" | 8 | 6'-0" | 13 | 13'-0" | - | - |
| N | 1'-6" | 10'-6" | 4'-0" | 1'-0" | 1'-0" | 14'-0" | 8'-6" | 3'-6" | - | 3 | 2'-6" | 4 | 4'-0" | 4 | 4'-0" | 1 | 0'-8" | 5 | 3'-9" | 13 | 13'-0" | 8 | 4'-0" |
| O | 1'-6" | 11'-0" | 4'-0" | 1'-0" | 1'-0" | 15'-0" | 8'-6" | 3'-6" | - | 3 | 2'-6" | 4 | 4'-0" | 4 | 4'-0" | 1 | 0'-8" | 5 | 3'-9" | 14 | 14'-0" | 8 | 4'-0" |
| P | 1'-6" | 11'-6" | 4'-0" | 1'-0" | 1'-0" | 16'-0" | 9'-0" | 3'-6" | - | 3 | 2'-6" | 4 | 4'-0" | 5 | 5'-0" | 1 | 0'-8" | 7 | 5'-3" | 15 | 15'-0" | 10 | 5'-0" |
| Q | 1'-6" | 12'-0" | 4'-6" | 1'-0" | 1'-0" | 16'-0" | 9'-6" | 4'-0" | - | 4 | 3'-4" | 4 | 4'-0" | 5 | 5'-0" | 1 | 0'-8" | 7 | 5'-3" | 15 | 15'-0" | 10 | 5'-0" |
| R | 1'-6" | 12'-6" | 4'-6" | 1'-0" | 1'-0" | 17'-0" | 10'-0" | 4'-0" | - | 4 | 3'-4" | 4 | 4'-0" | 5 | 5'-0" | 1 | 0'-8" | 7 | 5'-3" | 16 | 16'-0" | 10 | 5'-0" |
| S | 1'-6" | 13'-0" | 4'-6" | 1'-0" | 1'-0" | 18'-0" | 10'-0" | 4'-0" | - | 4 | 3'-4" | 4 | 4'-0" | 5 | 5'-0" | 1 | 0'-8" | 7 | 5'-3" | 17 | 17'-0" | 10 | 5'-0" |
| T | 2'-0" | 13'-6" | 4'-9" | 1'-0" | 1'-0" | 19'-0" | 11'-6" | 4'-6" | - | 4 | 3'-4" | 6 | 6'-0" | 6 | 6'-0" | 1 | 1'-2" | 8 | 6'-0" | 18 | 18'-0" | 12 | 6'-0" |
| U | 2'-0" | 14'-0" | 5'-3" | 1'-0" | 1'-0" | 19'-0" | 12'-0" | 4'-6" | - | 4 | 3'-4" | 6 | 6'-0" | 6 | 6'-0" | 1 | 1'-2" | 8 | 6'-0" | 18 | 18'-0" | 12 | 6'-0" |
| V | 2'-0" | 14'-6" | 5'-3" | 1'-0" | 1'-0" | 20'-0" | 12'-6" | 4'-6" | 1 | 4 | 3'-4" | 7 | 7'-0" | 6 | 6'-0" | 1 | 1'-2" | 8 | 6'-0" | 19 | 19'-0" | 12 | 6'-0" |
| W | 2'-0" | 15'-0" | 5'-3" | 1'-0" | 1'-0" | 21'-0" | 13'-6" | 4'-6" | 1 | 4 | 3'-4" | 8 | 8'-0" | 6 | 6'-0" | 1 | 1'-2" | 8 | 6'-0" | 20 | 20'-0" | 12 | 6'-0" |
| X | 2'-0" | 15'-6" | 5'-9" | 1'-3 3/4" | 1'-1 1/8" | 21'-0" | 15'-0" | 5'-0" | 1 | 5 | 4'-2" | 8 | 8'-0" | 6 | 6'-0" | 1 | 1'-2" | 8 | 6'-0" | 20 | 20'-0" | 12 | 6'-0" |
| Y | 2'-0" | 16'-0" | 5'-9" | 1'-4" | 1'-1 1/8" | 22'-0" | 15'-0" | 5'-0" | 1 | 5 | 4'-2" | 8 | 8'-0" | 7 | 7'-0" | 2 | 0'-7" | 10 | 7'-6" | 21 | 21'-0" | 14 | 7'-0" |
| Z | 2'-0" | 16'-6" | 5'-9" | 1'-4 1/8" | 1'-1 1/4" | 23'-0" | 15'-6" | 5'-0" | 1 | 5 | 4'-2" | 9 | 9'-0" | 7 | 7'-0" | 2 | 0'-7" | 10 | 7'-6" | 22 | 22'-0" | 14 | 7'-0" |
| AA | 2'-0" | 17'-0" | 5'-9" | 1'-4 1/4" | 1'-1 1/4" | 24'-0" | 15'-6" | 5'-0" | 1 | 5 | 4'-2" | 9 | 9'-0" | 7 | 7'-0" | 2 | 0'-7" | 10 | 7'-6" | 23 | 23'-0" | 14 | 7'-0" |
| BB | 2'-0" | 17'-6" | 6'-3" | 1'-4 3/8" | 1'-1 1/4" | 24'-0" | 16'-0" | 5'-6" | 1 | 6 | 5'-0" | 9 | 9'-0" | 7 | 7'-0" | 2 | 0'-7" | 10 | 7'-6" | 23 | 23'-0" | 14 | 7'-0" |
| CC | 2'-0" | 18'-0" | 6'-3" | 1'-4 1/2" | 1'-1 1/4" | 25'-0" | 16'-0" | 5'-6" | 2 | 6 | 5'-0" | 9 | 9'-0" | 8 | 8'-0" | 2 | 0'-7" | 11 | 8'-3" | 24 | 24'-0" | 16 | 8'-0" |
| DD | 2'-6" | 18'-6" | 6'-3" | 1'-4 5/8" | 1'-1 3/8" | 26'-0" | 16'-6" | 6'-0" | 2 | 6 | 5'-0" | 9 | 9'-0" | 8 | 8'-0" | 2 | 0'-10" | 11 | 8'-3" | 25 | 25'-0" | 16 | 8'-0" |
| EE | 2'-6" | 19'-0" | 6'-9" | 1'-4 3/4" | 1'-1 3/8" | 26'-0" | 17'-6" | 6'-0" | 2 | 6 | 5'-0" | 10 | 10'-0" | 8 | 8'-0" | 2 | 0'-10" | 11 | 8'-3" | 25 | 25'-0" | 16 | 8'-0" |

A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE

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|  ROAD AND BRIDGE STANDARDS | | WING DETAILS 1 1/2: 1 FILL SLOPE -TYPE I VIRGINIA DEPARTMENT OF TRANSPORTATION | | SPECIFICATION REFERENCE |
| SHEET 3 OF 8 | REVISION DATE | | | |
| 1006.03 | 07/12 | | | |