


WING	STEM BAR SPACINGS												WV1						WV2				
	WV1		WV2		WV3		WV4		WH1		WH2		SIZE	α			LENGTH			SIZE	LENGTH		
	O	P	Q	R	S	T	U	V	W	X	Y	Z		FROM	TO	VARY BY	FROM	TO	VARY BY		FROM	TO	VARY BY
A	4	4'-0"	3	3'-9"	-	-	-	-	1	1'-3"	1	1'-3"	4	4'-11"	3'-1"	0'-5 3/8"	6'-10"	5'-0"	0'-5 3/8"	4	4'-11"	3'-2"	0'-6 3/4"
B	5	5'-0"	4	5'-0"	-	-	-	-	1	0'-6"	1	1'-3"	4	5'-5"	3'-1"	0'-5 1/2"	7'-4"	5'-0"	0'-5 1/2"	4	5'-5"	3'-1"	0'-6 3/4"
C	6	6'-0"	5	6'-3"	-	-	-	-	1	1'-0"	1	1'-3"	4	5'-11"	3'-1"	0'-5 3/8"	7'-10"	5'-0"	0'-5 3/8"	4	5'-11"	3'-0"	0'-7"
D	6	6'-0"	5	6'-3"	-	-	-	-	2	1'-6"	1	1'-3"	4	6'-5"	3'-7"	0'-5 3/8"	8'-4"	5'-6"	0'-5 3/8"	4	6'-5"	3'-6"	0'-7"
E	7	7'-0"	6	7'-6"	-	-	-	-	1	0'-9"	2	2'-6"	4	6'-11"	3'-7"	0'-5 5/8"	8'-10"	5'-6"	0'-5 5/8"	4	6'-11"	3'-4"	0'-7"
F	8	8'-0"	6	7'-6"	-	-	-	-	1	1'-3"	2	2'-6"	4	7'-5"	3'-7"	0'-5 5/8"	9'-4"	5'-6"	0'-5 5/8"	4	7'-5"	3'-10"	0'-7 1/8"
G	4	4'-0"	6	7'-6"	6	4'-6"	-	-	2	1'-9"	2	2'-6"	4	5'-4"	3'-5"	0'-5 5/8"	7'-2"	5'-3"	0'-5 5/8"	4	7'-11"	4'-4"	0'-7 1/8"
H	5	5'-0"	7	8'-9"	6	4'-6"	-	-	2	2'-3"	2	2'-6"	4	5'-9"	3'-5"	0'-5 5/8"	7'-8"	5'-3"	0'-5 5/8"	4	8'-5"	4'-3"	0'-7 1/8"
I	5	5'-0"	8	10'-0"	6	4'-6"	-	-	2	1'-6"	3	3'-9"	4	6'-5"	4'-1"	0'-5 3/8"	8'-4"	6'-0"	0'-5 3/8"	4	8'-11"	4'-4"	0'-6 3/4"
J	6	6'-0"	9	11'-3"	6	4'-6"	-	-	2	2'-0"	3	3'-9"	4	6'-11"	4'-1"	0'-5 1/2"	8'-9"	6'-0"	0'-5 1/2"	4	9'-5"	4'-3"	0'-6 3/4"
K	7	7'-0"	10	12'-6"	6	4'-6"	-	-	2	2'-6"	3	3'-9"	4	7'-7"	4'-7"	0'-5"	9'-6"	6'-6"	0'-5"	4	9'-11"	4'-7"	0'-6 3/8"
L	7	7'-0"	10	12'-6"	6	4'-6"	-	-	3	3'-0"	3	3'-9"	4	7'-10"	4'-7"	0'-5 1/2"	9'-9"	6'-6"	0'-5 1/2"	4	10'-5"	4'-7"	0'-6 3/4"
M	6	6'-0"	10	12'-6"	8	6'-0"	-	-	2	2'-3"	4	5'-0"	4	7'-8"	4'-10"	0'-5 1/2"	9'-7"	6'-9"	0'-5 1/2"	4	10'-11"	5'-1"	0'-7"
N	4	4'-0"	10	12'-6"	5	3'-9"	8	4'-0"	3	2'-9"	4	5'-0"	5	7'-0"	5'-1"	0'-5 1/2"	8'-11"	7'-1"	0'-5 1/2"	4	11'-5"	5'-7"	0'-7"
O	4	4'-0"	11	13'-9"	5	3'-9"	8	4'-0"	3	3'-3"	4	5'-0"	5	7'-6"	5'-7"	0'-5 5/8"	9'-5"	7'-6"	0'-5 5/8"	4	11'-11"	5'-6"	0'-7"
P	5	5'-0"	12	15'-0"	7	5'-3"	10	5'-0"	2	2'-6"	5	6'-3"	5	6'-9"	4'-5"	0'-5 5/8"	8'-8"	6'-4"	0'-5 5/8"	4	12'-5"	5'-4"	0'-7"
Q	5	5'-0"	12	15'-0"	7	5'-3"	10	5'-0"	3	3'-0"	5	6'-3"	5	7'-3"	4'-11"	0'-5 5/8"	9'-2"	6'-10"	0'-5 5/8"	4	12'-11"	5'-10"	0'-7"
R	5	5'-0"	13	16'-3"	7	5'-3"	10	5'-0"	3	3'-6"	5	6'-3"	4	7'-9"	5'-5"	0'-5 5/8"	9'-8"	7'-3"	0'-5 5/8"	4	13'-5"	5'-9"	0'-7"
S	5	5'-0"	14	17'-6"	7	5'-3"	10	5'-0"	4	4'-0"	5	6'-3"	5	8'-3"	5'-10"	0'-5 5/8"	10'-2"	7'-10"	0'-5 5/8"	4	13'-11"	5'-7"	0'-7"
T	6	6'-0"	14	17'-6"	8	6'-0"	12	6'-0"	3	3'-3"	6	7'-6"	5	8'-7"	5'-9"	0'-5 1/2"	10'-6"	7'-9"	0'-5 1/2"	4	14'-11"	6'-10"	0'-6 3/4"
U	6	6'-0"	14	17'-6"	8	6'-0"	12	6'-0"	3	3'-9"	6	7'-6"	5	9'-1"	6'-3"	0'-5 1/2"	11'-0"	8'-3"	0'-5 1/2"	4	15'-5"	7'-4"	0'-6 3/4"
V	6	6'-0"	15	18'-9"	8	6'-0"	12	6'-0"	4	4'-3"	6	7'-6"	5	9'-6"	6'-9"	0'-5 1/2"	11'-6"	8'-8"	0'-5 1/2"	4	15'-11"	7'-3"	0'-6 3/4"
W	6	6'-0"	16	20'-0"	8	6'-0"	12	6'-0"	4	4'-9"	6	7'-6"	5	10'-0"	7'-3"	0'-5 1/2"	11'-11"	9'-2"	0'-5 1/2"	4	16'-5"	7'-1"	0'-6 3/4"
X	6	6'-0"	16	20'-0"	8	6'-0"	12	6'-0"	5	5'-3"	6	7'-6"	5	10'-6"	7'-9"	0'-5 1/2"	12'-5"	9'-8"	0'-5 1/2"	4	16'-11"	7'-7"	0'-6 3/4"
Y	7	7'-0"	17	21'-3"	10	7'-6"	14	7'-0"	4	4'-6"	7	8'-9"	5	9'-10"	6'-7"	0'-5 1/2"	11'-9"	8'-6"	0'-5 1/2"	4	17'-5"	7'-6"	0'-7"
Z	7	7'-0"	18	22'-6"	10	7'-6"	14	7'-0"	4	5'-0"	7	8'-9"	6	10'-4"	7'-0"	0'-5 5/8"	12'-4"	9'-1"	0'-5 5/8"	4	17'-11"	7'-4"	0'-7"
AA	7	7'-0"	18	22'-6"	10	7'-6"	14	7'-0"	4	4'-3"	8	10'-0"	6	10'-9"	7'-6"	0'-5 5/8"	12'-10"	9'-6"	0'-5 5/8"	4	18'-5"	7'-10"	0'-7"
BB	7	7'-0"	18	22'-6"	10	7'-6"	21	10'-6"	4	4'-9"	8	10'-0"	7	9'-8"	6'-4"	0'-5 5/8"	11'-9"	8'-5"	0'-5 5/8"	4	18'-11"	8'-4"	0'-7"
CC	8	8'-0"	19	23'-9"	11	8'-3"	24	12'-0"	5	5'-3"	8	10'-0"	7	9'-1"	5'-3"	0'-5 5/8"	11'-2"	7'-5"	0'-5 5/8"	4	19'-5"	8'-3"	0'-7"
DD	8	8'-0"	20	25'-0"	11	8'-3"	24	12'-0"	5	5'-9"	8	10'-0"	7	10'-0"	6'-3"	0'-5 5/8"	12'-2"	8'-4"	0'-5 5/8"	4	20'-5"	8'-7"	0'-7"
EE	8	8'-0"	20	25'-0"	11	8'-3"	24	12'-0"	5	6'-3"	8	10'-0"	7	10'-6"	6'-9"	0'-5 5/8"	12'-8"	8'-10"	0'-5 5/8"	4	20'-11"	9'-1"	0'-7"

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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 7 OF 8	REVISION DATE			
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