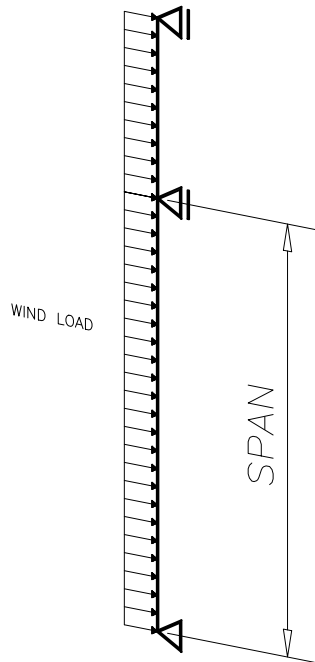
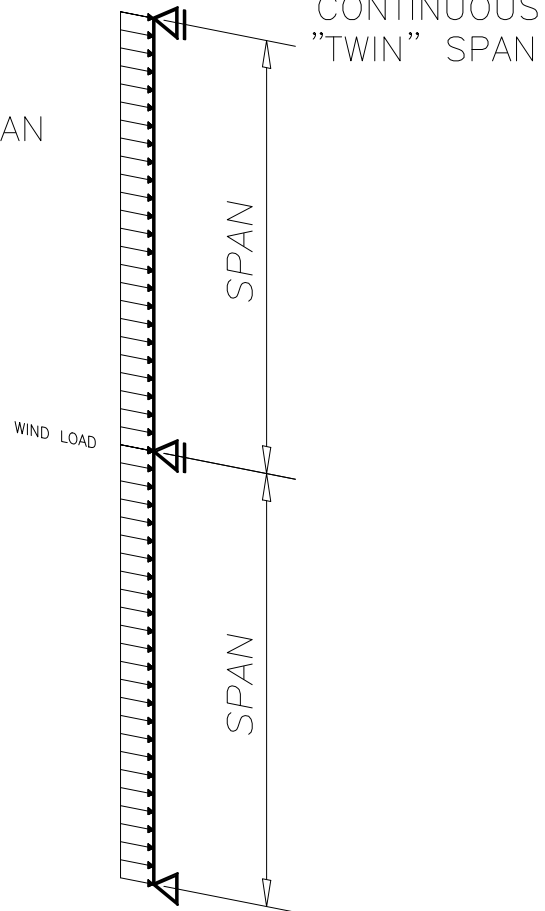


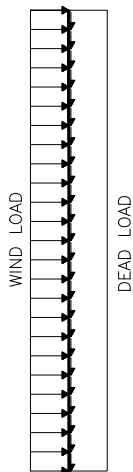
SIMPLE SPAN



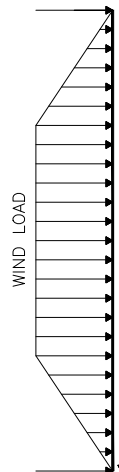
CONTINUOUS SPAN



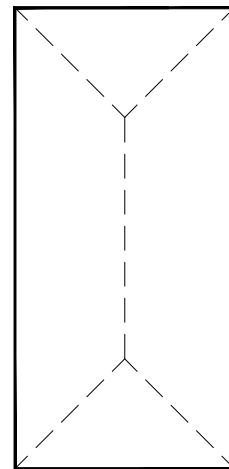
CONTINUOUS  
"TWIN" SPAN



SIMPLY SUPPORTED  
WITH HORIZONTALS  
RECTANGULAR LOAD



SIMPLY SUPPORTED  
WITHOUT HORIZONTALS  
TRAPEZOIDAL LOAD



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TITLE:

LOAD CHARTS  
BEAM TYPES

DATE:

Nov 15, 16

SCALE:

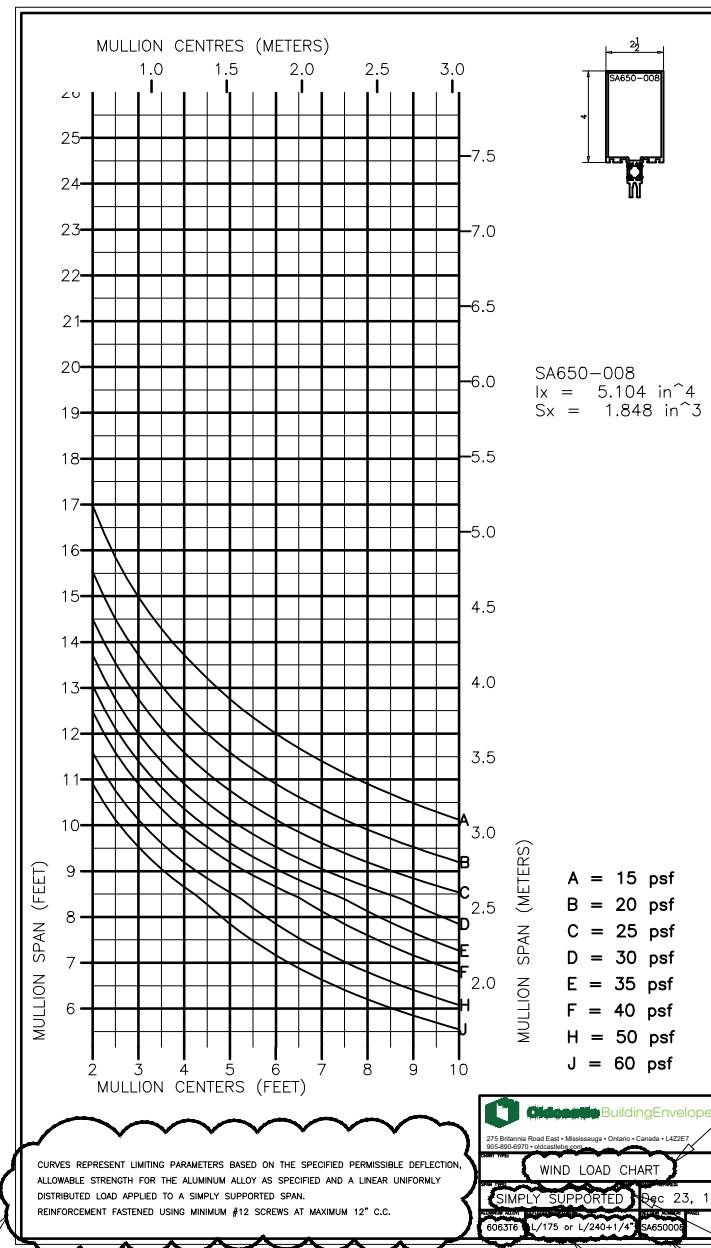
NTS

FILE:

load\_types

PAGE:

# WIND LOAD CHART NOTES



ENGINEERING NOTES REGARDING  
 THE LOAD DISTRIBUTION,  
 MAXIMUM EFFECTIVE LENGTHS,  
 REINFORCEMENT FASTENERS,  
 MAXIMUM DESIGN WIND LOADS.

LOAD CHART TYPE

SPAN TYPE

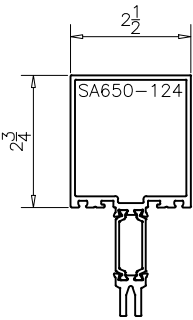
SECTION DESIGNATION

ALLOY DESIGNATION

DEFLECTION LIMIT UNDER THE MAIN LOAD  
 (AS PER THE LOAD CHART TYPE)

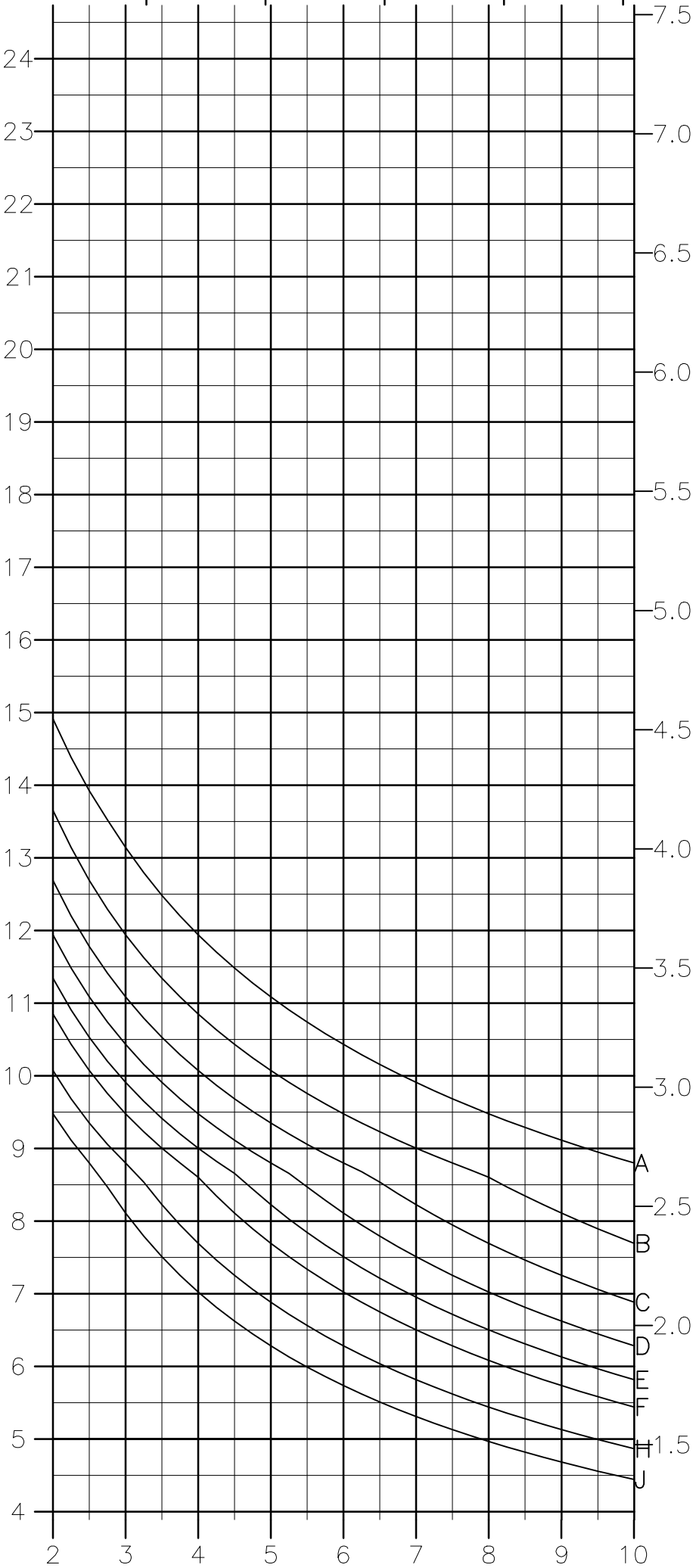
MULLION CENTRES (METERS)

1.0 1.5 2.0 2.5 3.0



SA650-124  
 $I_x = 3.352 \text{ in}^4$   
 $S_x = 1.184 \text{ in}^3$

MULLION SPAN (FEET)




MULLION CENTERS (FEET)

MULLION SPAN (METERS)

- A = 15 psf
- B = 20 psf
- C = 25 psf
- D = 30 psf
- E = 35 psf
- F = 40 psf
- H = 50 psf
- J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.



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CHART TYPE:  
WIND LOAD CHART

SPAN TYPE:  
SIMPLY SUPPORTED

DATE PREPARED:  
Mar 26, 21

ALUMINUM ALLOY:  
6063T6

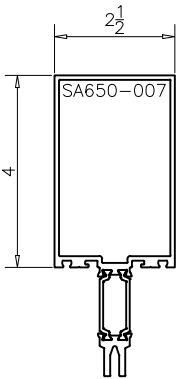
DEFLECTION CRITERION:  
L/175 or L/240+1/4"

SECTION NUMBER:  
SA650124

PAGE:

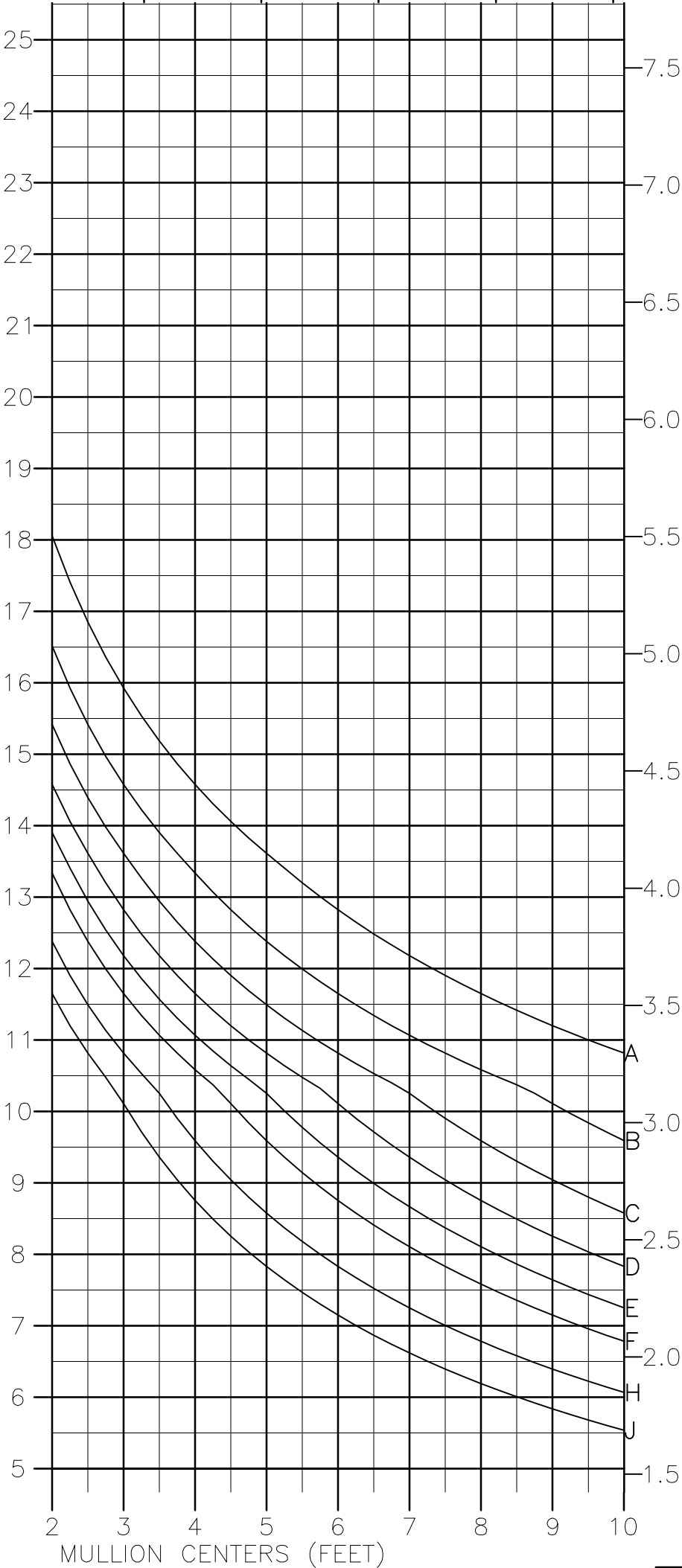
MULLION CENTRES (METERS)

1.0 1.5 2.0 2.5 3.0



SA650-007  
 $I_x = 6.224 \text{ in}^4$   
 $S_x = 1.839 \text{ in}^3$


MULLION SPAN (FEET)



MULLION SPAN (METERS)

- A = 15 psf  
B = 20 psf  
C = 25 psf  
D = 30 psf  
E = 35 psf  
F = 40 psf  
H = 50 psf  
J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.

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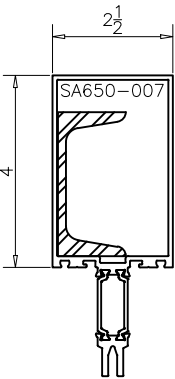
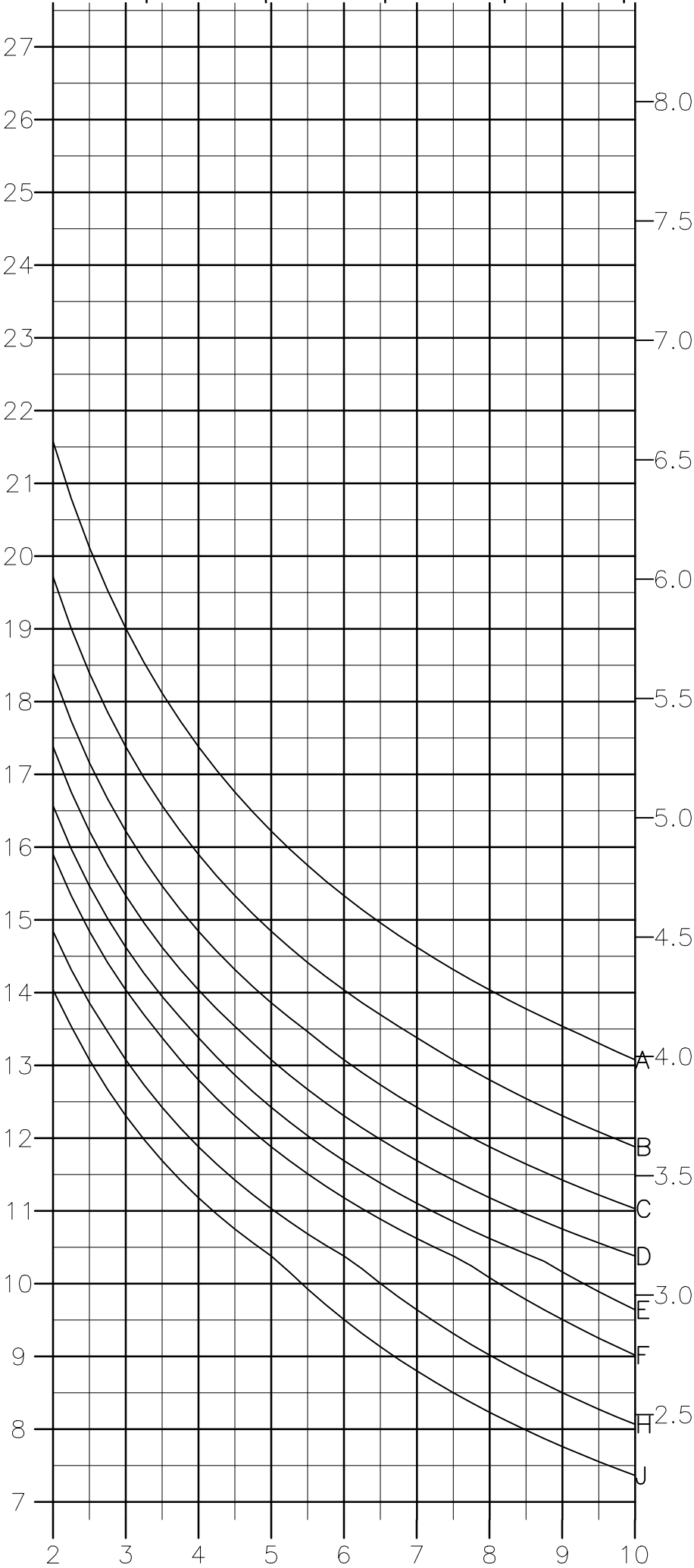
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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE: <b>SIMPLY SUPPORTED</b>		DATE PREPARED: <b>Mar 23, 21</b>	
ALUMINUM ALLOY: <b>6063T6</b>	DEFLECTION CRITERION: <b>L/175 or L/240+1/4"</b>	SECTION NUMBER: <b>SA650007</b>	PAGE:

MULLION CENTRES (METERS)


1.0 1.5 2.0 2.5 3.0



SA650-007  
 $I_x = 6.224 \text{ in}^4$   
 $S_x = 1.839 \text{ in}^3$   
C3x4.1  
 $I_x = 1.650 \text{ in}^4$   
 $S_x = 1.100 \text{ in}^3$

- A = 15 psf
- B = 20 psf
- C = 25 psf
- D = 30 psf
- E = 35 psf
- F = 40 psf
- H = 50 psf
- J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.



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CHART TYPE:  
WIND LOAD CHART

SPAN TYPE:  
SIMPLY SUPPORTED

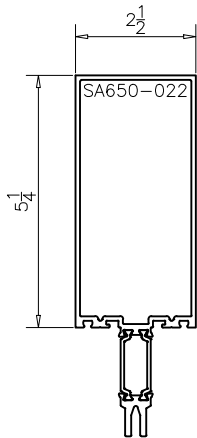
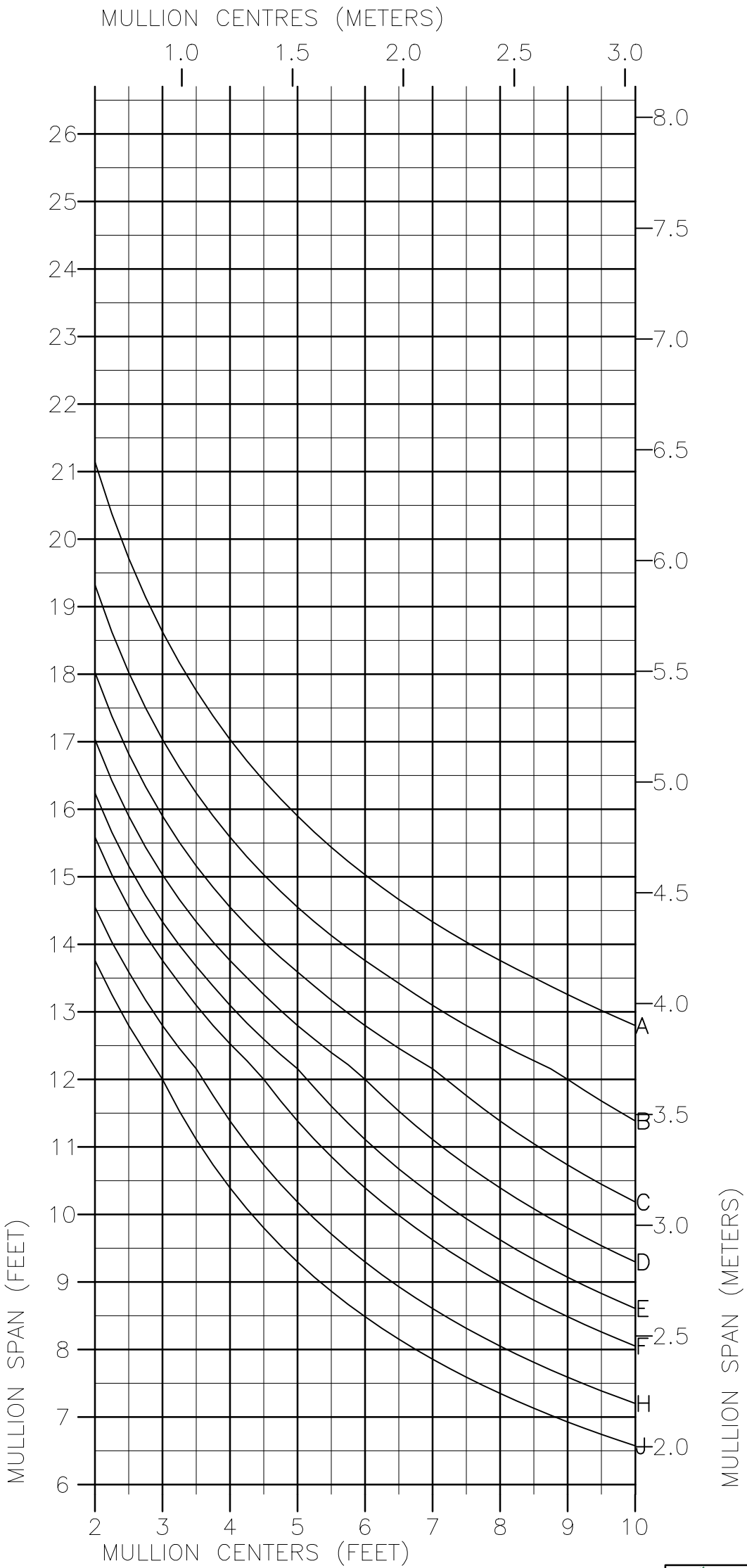
DATE PREPARED:  
Mar 23, 21

ALUMINUM ALLOY:  
6063T6

DEFLECTION CRITERION:  
L/175 or L/240+1/4"

SECTION NUMBER:  
SA650007C3


PAGE:



SA650-022  
 $I_x = 10.321 \text{ in}^4$   
 $S_x = 2.593 \text{ in}^3$

- A = 15 psf
- B = 20 psf
- C = 25 psf
- D = 30 psf
- E = 35 psf
- F = 40 psf
- H = 50 psf
- J = 60 psf

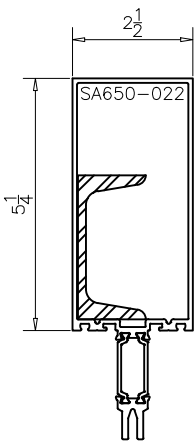
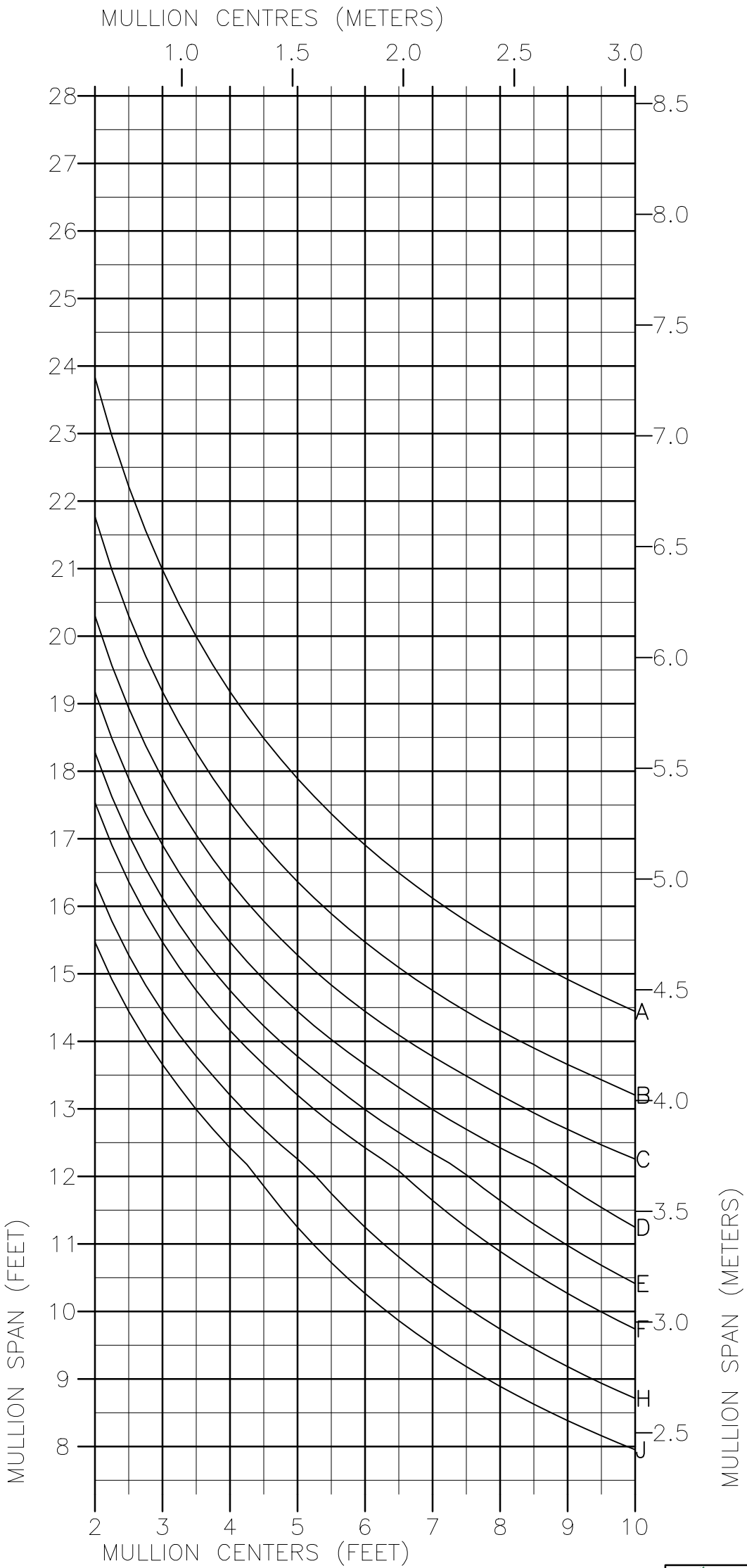
CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.

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CHART TYPE:  
**WIND LOAD CHART**


SPAN TYPE: <b>SIMPLY SUPPORTED</b>		DATE PREPARED: <b>Mar 23, 21</b>	
ALUMINUM ALLOY: <b>6063T6</b>	DEFLECTION CRITERION: <b>L/175 or L/240+1/4"</b>	SECTION NUMBER: <b>SA650022</b>	PAGE:



SA650-022  
 $I_x = 10.321 \text{ in}^4$   
 $S_x = 2.593 \text{ in}^3$   
C3x4.1  
 $I_x = 1.650 \text{ in}^4$   
 $S_x = 1.100 \text{ in}^3$

- A = 15 psf  
B = 20 psf  
C = 25 psf  
D = 30 psf  
E = 35 psf  
F = 40 psf  
H = 50 psf  
J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.

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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE:  
**SIMPLY SUPPORTED**

DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650022C3**

PAGE:

MULLION CENTRES (METERS)

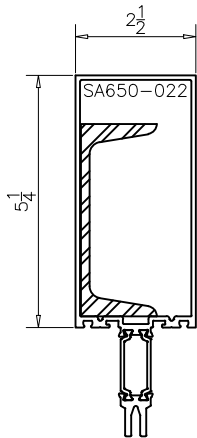
1.0

1.5

2.0

2.5

3.0



SA650-022  
 $I_x = 10.321 \text{ in}^4$   
 $S_x = 2.593 \text{ in}^3$   
C4x5.4  
 $I_x = 3.850 \text{ in}^4$   
 $S_x = 1.920 \text{ in}^3$

MULLION SPAN (FEET)

29  
28  
27  
26  
25  
24  
23  
22  
21  
20  
19  
18  
17  
16  
15  
14  
13  
12  
11  
10  
9

MULLION CENTERS (FEET)


2 3 4 5 6 7 8 9 10

MULLION SPAN (METERS)

9.0  
8.5  
8.0  
7.5  
7.0  
6.5  
6.0  
5.5  
5.0  
4.5  
4.0  
3.5  
3.0

- A = 15 psf  
B = 20 psf  
C = 25 psf  
D = 30 psf  
E = 35 psf  
F = 40 psf  
H = 50 psf  
J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.



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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE:  
**SIMPLY SUPPORTED**

DATE PREPARED:  
**Mar 23, 21**

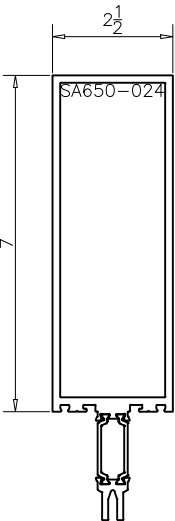
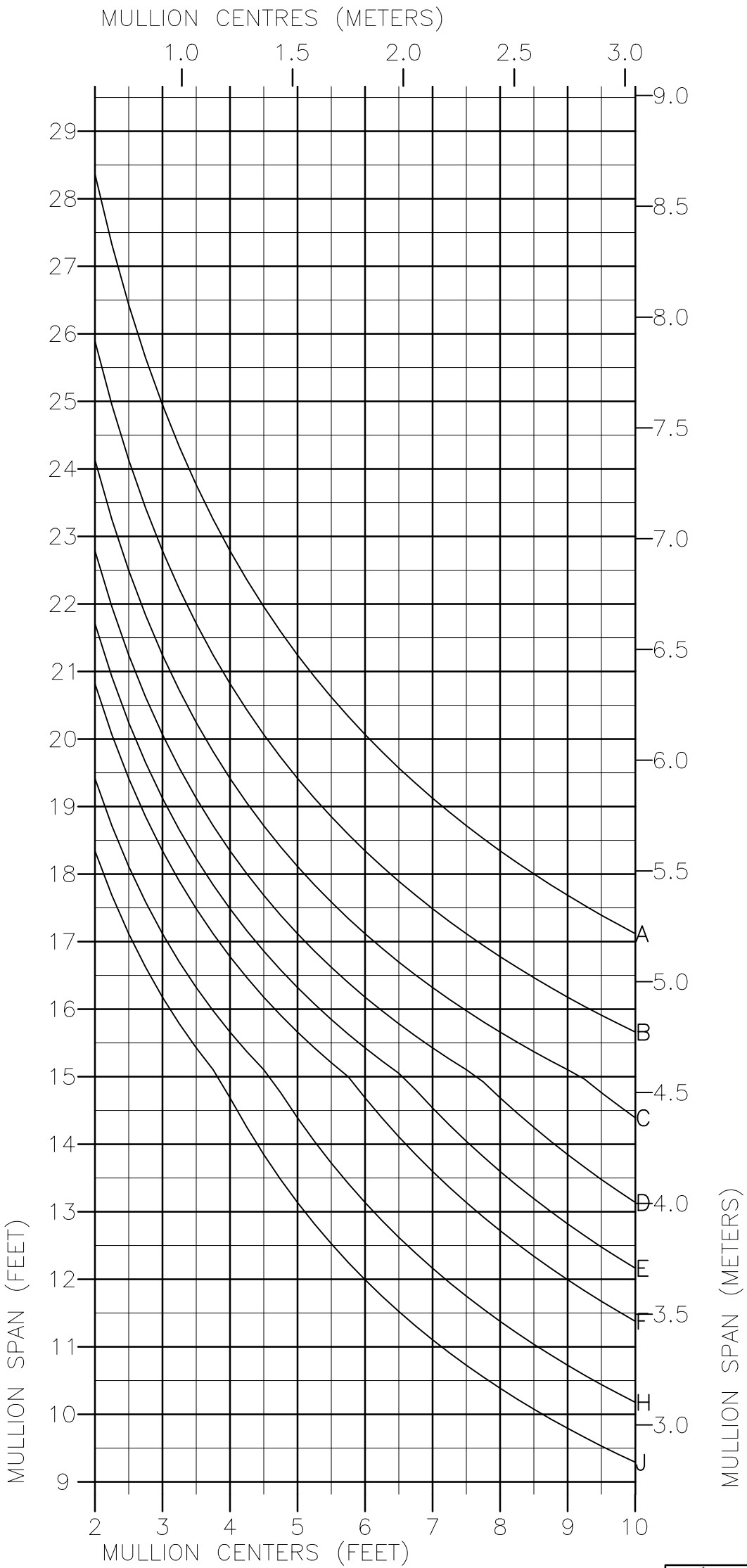
ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650022C4**

PAGE:






SA650-024  
 $I_x = 26.191 \text{ in}^4$   
 $S_x = 5.176 \text{ in}^3$

- A = 15 psf  
B = 20 psf  
C = 25 psf  
D = 30 psf  
E = 35 psf  
F = 40 psf  
H = 50 psf  
J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.

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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE:  
**SIMPLY SUPPORTED**

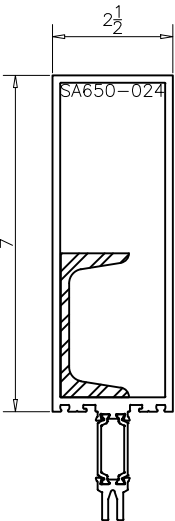
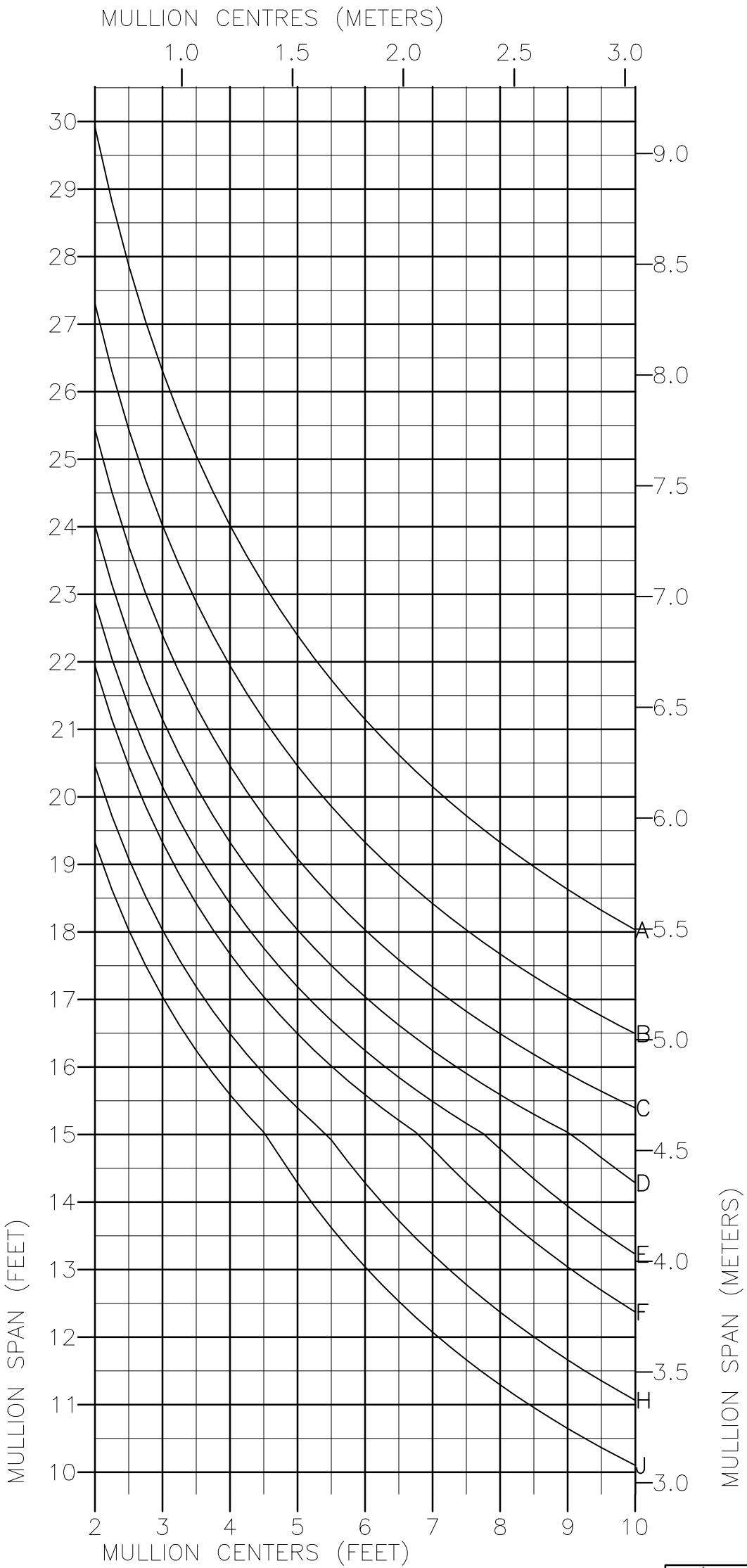
DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650024**


PAGE:



SA650-024  
 $I_x = 26.191 \text{ in}^4$   
 $S_x = 5.176 \text{ in}^3$   
C3x4.1  
 $I_x = 1.650 \text{ in}^4$   
 $S_x = 1.100 \text{ in}^3$

- A = 15 psf  
B = 20 psf  
C = 25 psf  
D = 30 psf  
E = 35 psf  
F = 40 psf  
H = 50 psf  
J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.

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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE:  
**SIMPLY SUPPORTED**

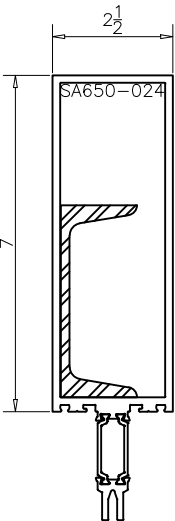
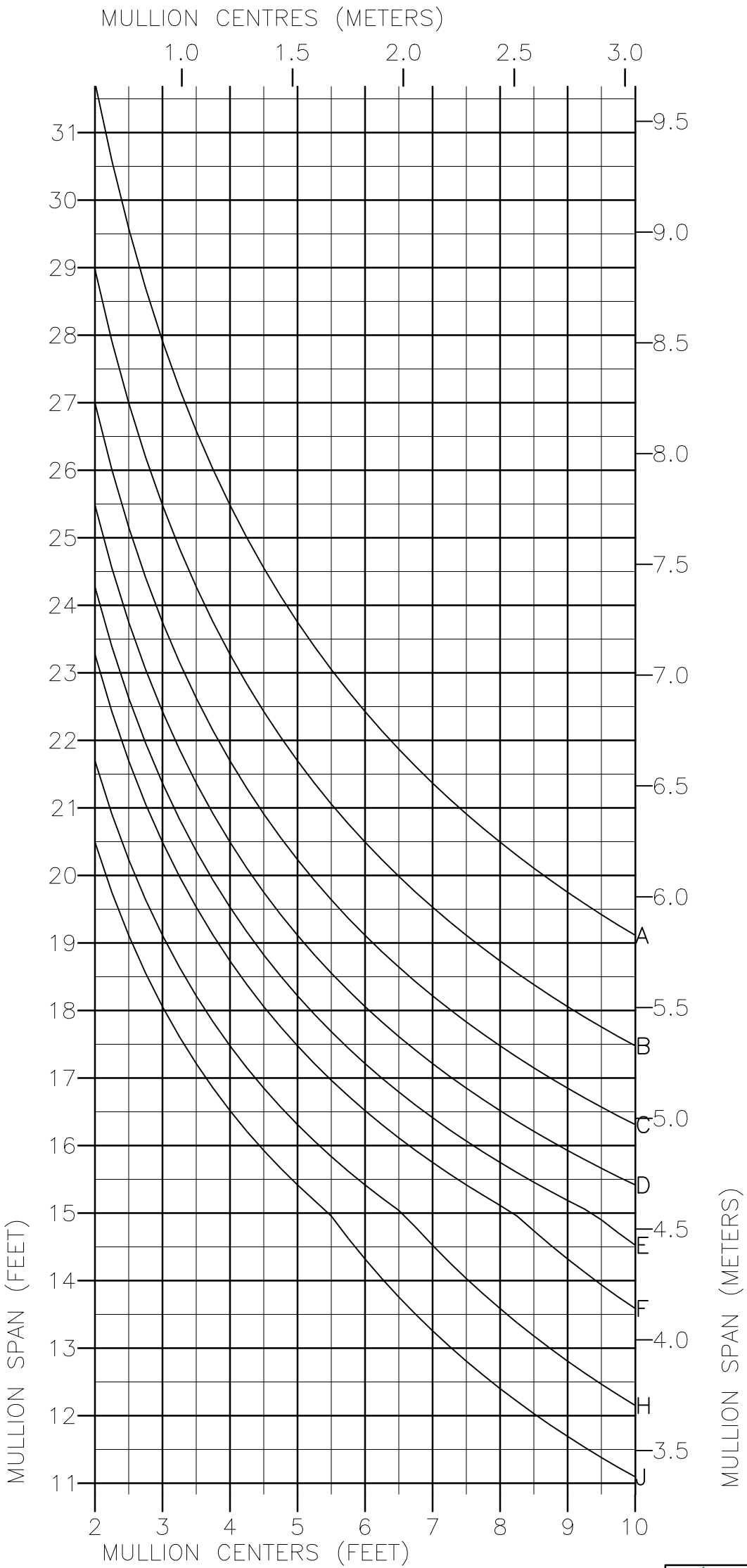
DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650024C3**


PAGE:



SA650-024  
 $I_x = 26.191 \text{ in}^4$   
 $S_x = 5.176 \text{ in}^3$   
C4x5.4  
 $I_x = 3.850 \text{ in}^4$   
 $S_x = 1.920 \text{ in}^3$

- A = 15 psf  
B = 20 psf  
C = 25 psf  
D = 30 psf  
E = 35 psf  
F = 40 psf  
H = 50 psf  
J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.

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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE:  
**SIMPLY SUPPORTED**

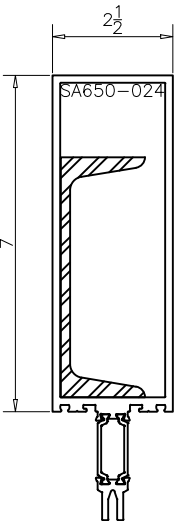
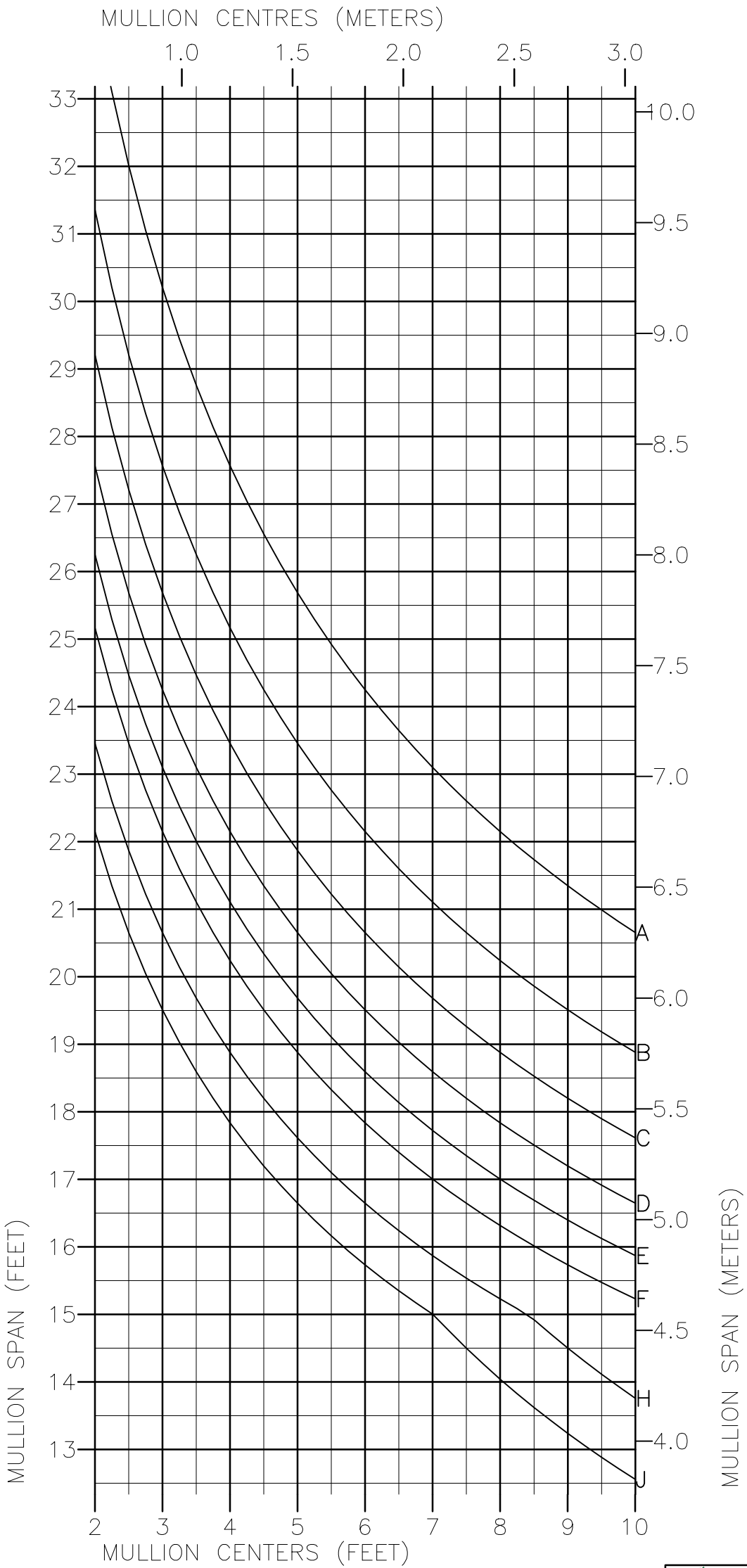
DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650024C4**


PAGE:



SA650-024  
 $I_x = 26.191 \text{ in}^4$   
 $S_x = 5.176 \text{ in}^3$   
C5x6.7  
 $I_x = 7.480 \text{ in}^4$   
 $S_x = 2.990 \text{ in}^3$

- A = 15 psf  
B = 20 psf  
C = 25 psf  
D = 30 psf  
E = 35 psf  
F = 40 psf  
H = 50 psf  
J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.

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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE:  
**SIMPLY SUPPORTED**

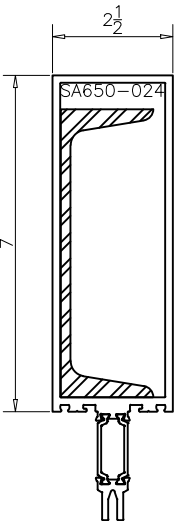
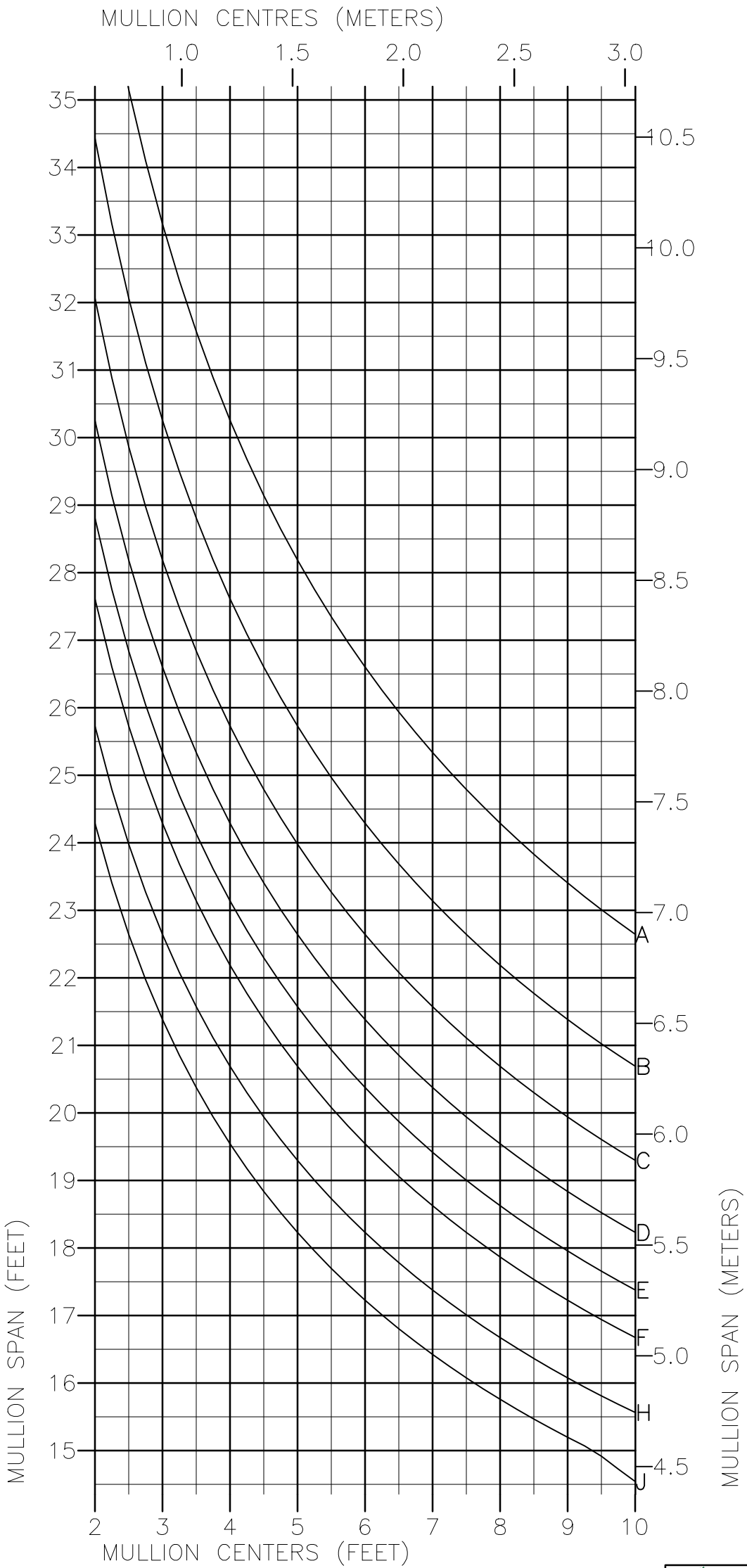
DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650024C5**


PAGE:



SA650-024  
 $I_x = 26.191 \text{ in}^4$   
 $S_x = 5.176 \text{ in}^3$   
C6x8.2  
 $I_x = 13.100 \text{ in}^4$   
 $S_x = 4.350 \text{ in}^3$

- A = 15 psf  
B = 20 psf  
C = 25 psf  
D = 30 psf  
E = 35 psf  
F = 40 psf  
H = 50 psf  
J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.

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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE:  
**SIMPLY SUPPORTED**

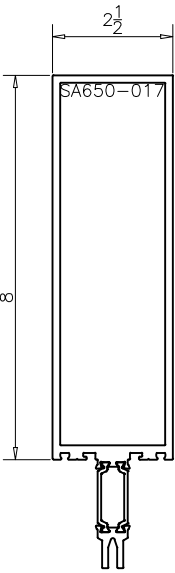
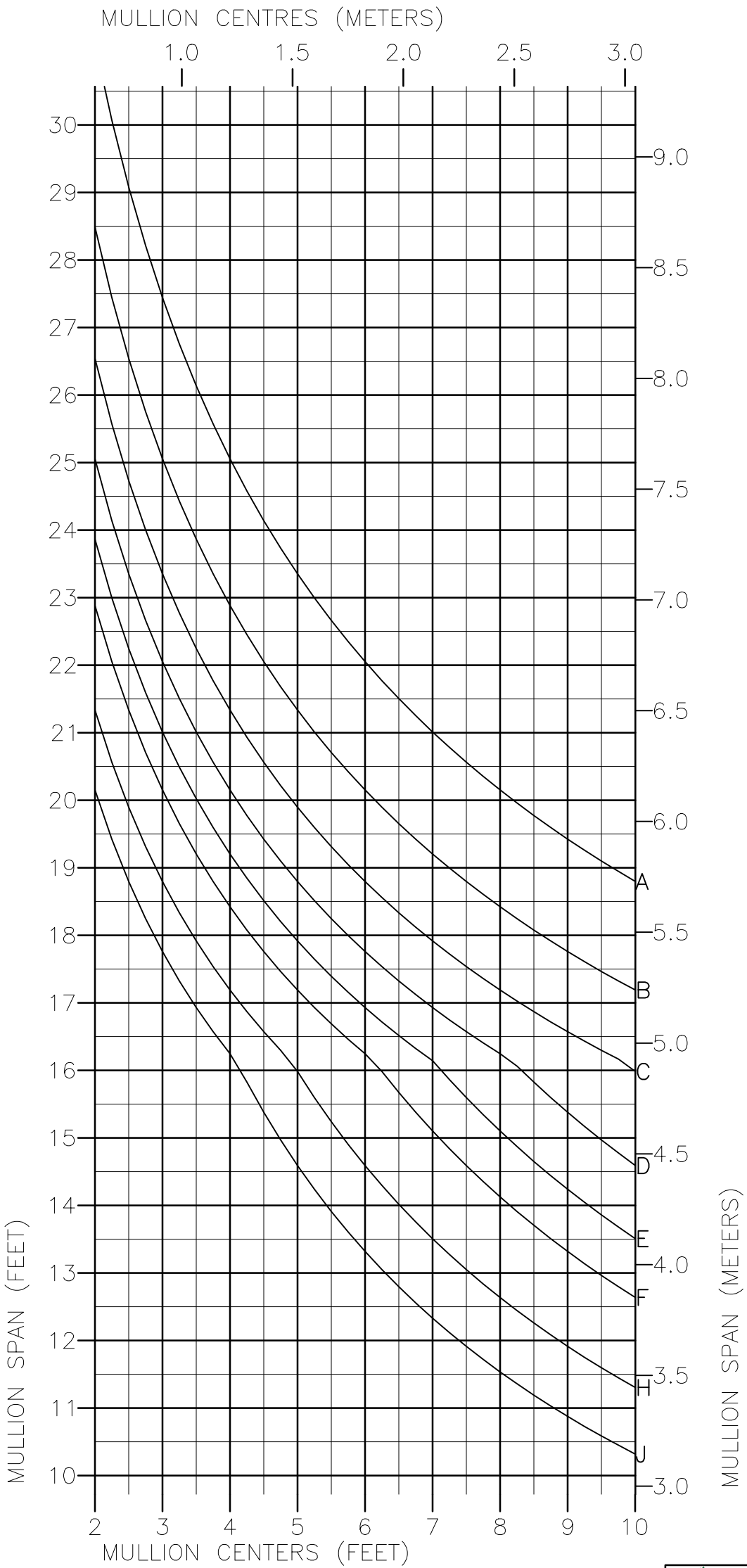
DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650024C6**


PAGE:



SA650-017  
 $I_x = 35.403 \text{ in}^4$   
 $S_x = 6.386 \text{ in}^3$

- A = 15 psf  
B = 20 psf  
C = 25 psf  
D = 30 psf  
E = 35 psf  
F = 40 psf  
H = 50 psf  
J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.

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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE:  
**SIMPLY SUPPORTED**

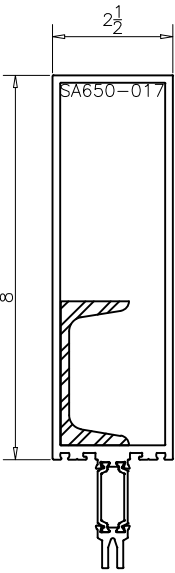
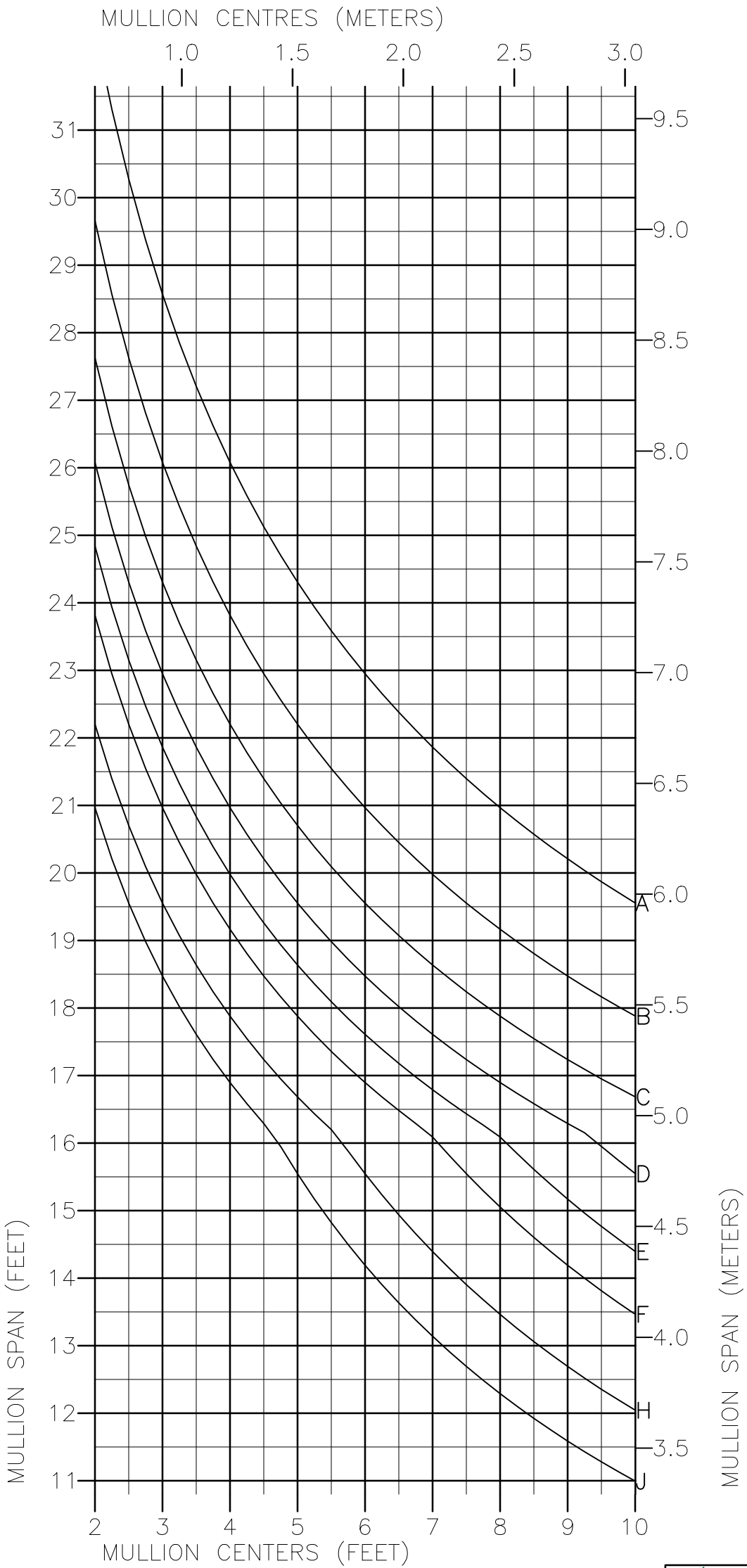
DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650017**


PAGE:



SA650-017  
 $I_x = 35.403 \text{ in}^4$   
 $S_x = 6.386 \text{ in}^3$   
C3x4.1  
 $I_x = 1.650 \text{ in}^4$   
 $S_x = 1.100 \text{ in}^3$

- A = 15 psf  
B = 20 psf  
C = 25 psf  
D = 30 psf  
E = 35 psf  
F = 40 psf  
H = 50 psf  
J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.

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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE:  
**SIMPLY SUPPORTED**

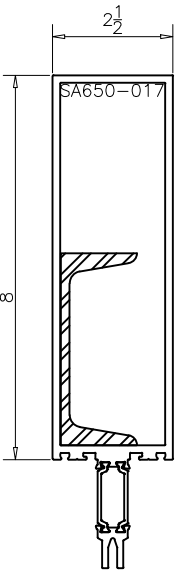
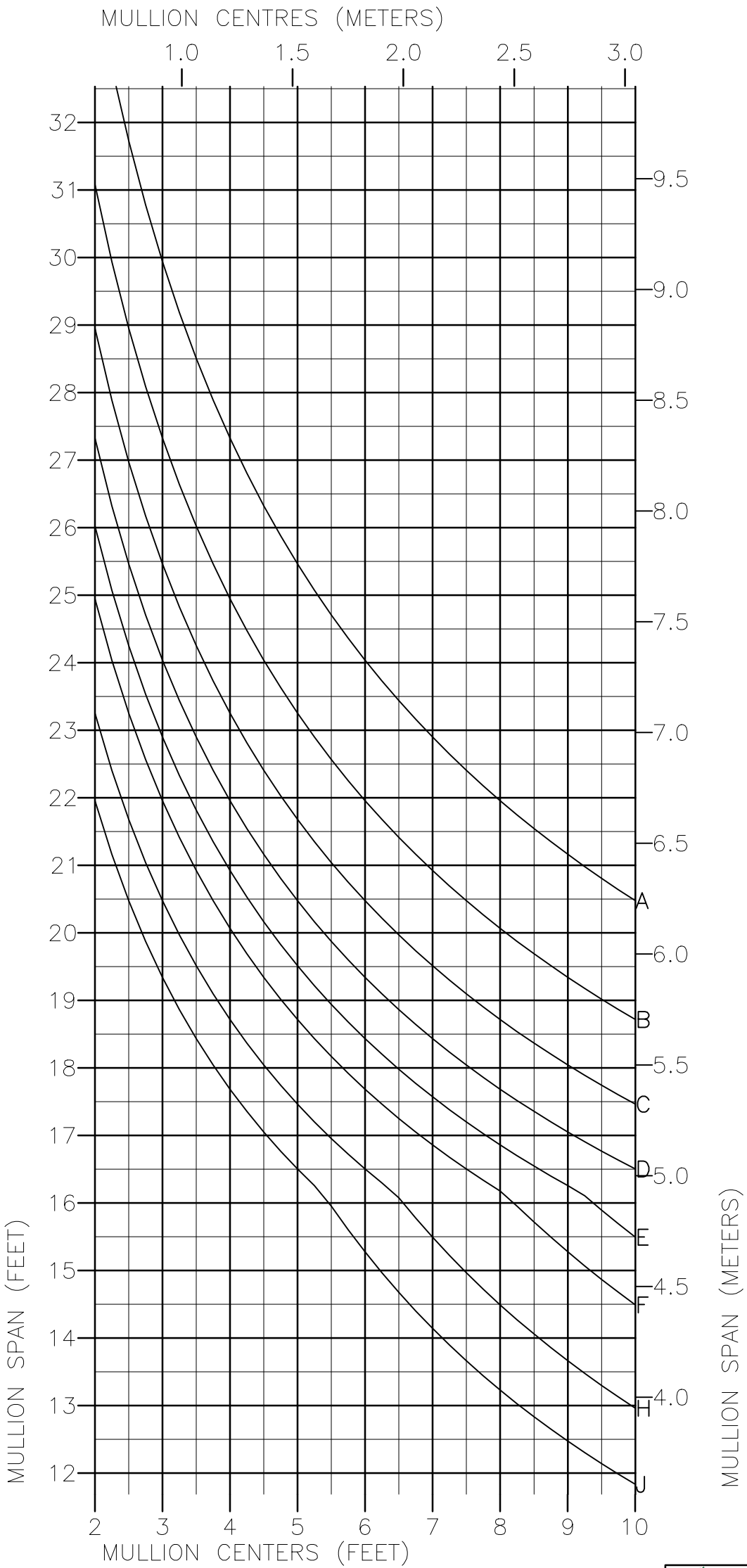
DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650017C3**


PAGE:



SA650-017  
 $I_x = 35.403 \text{ in}^4$   
 $S_x = 6.386 \text{ in}^3$   
C4x5.4  
 $I_x = 3.850 \text{ in}^4$   
 $S_x = 1.920 \text{ in}^3$

- A = 15 psf  
B = 20 psf  
C = 25 psf  
D = 30 psf  
E = 35 psf  
F = 40 psf  
H = 50 psf  
J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE:  
**SIMPLY SUPPORTED**

DATE PREPARED:  
**Mar 23, 21**

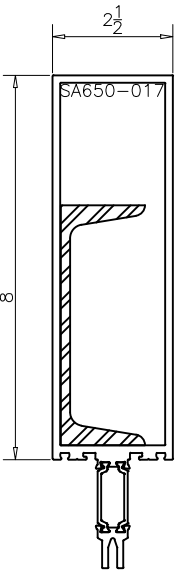
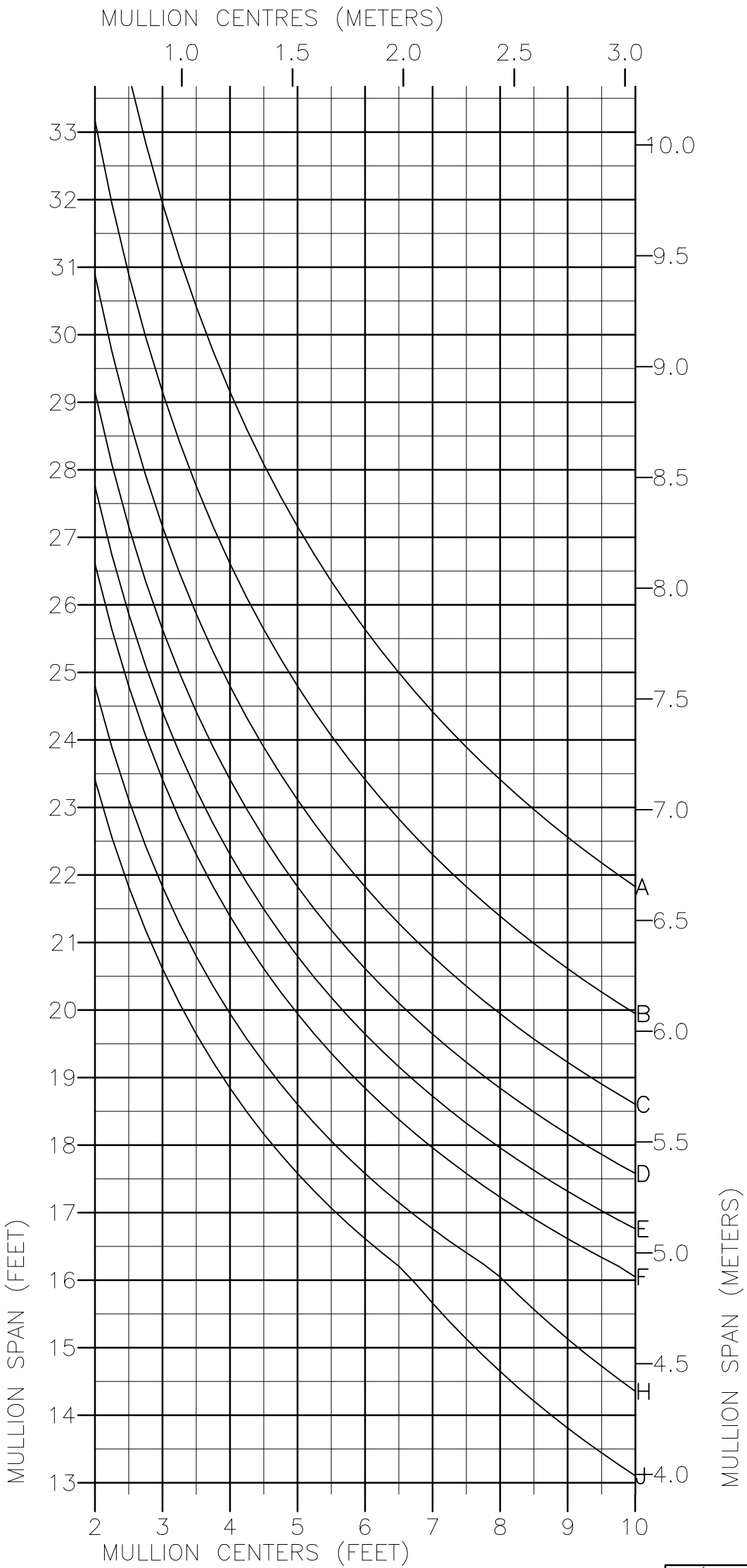
ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650017C4**

PAGE:






SA650-017  
 $I_x = 35.403 \text{ in}^4$   
 $S_x = 6.386 \text{ in}^3$   
C5x6.7  
 $I_x = 7.480 \text{ in}^4$   
 $S_x = 2.990 \text{ in}^3$

- A = 15 psf  
B = 20 psf  
C = 25 psf  
D = 30 psf  
E = 35 psf  
F = 40 psf  
H = 50 psf  
J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE:  
**SIMPLY SUPPORTED**

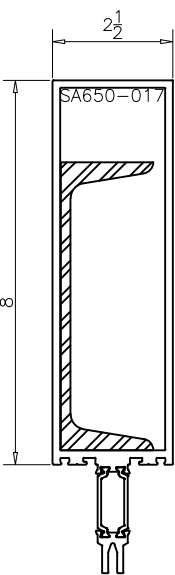
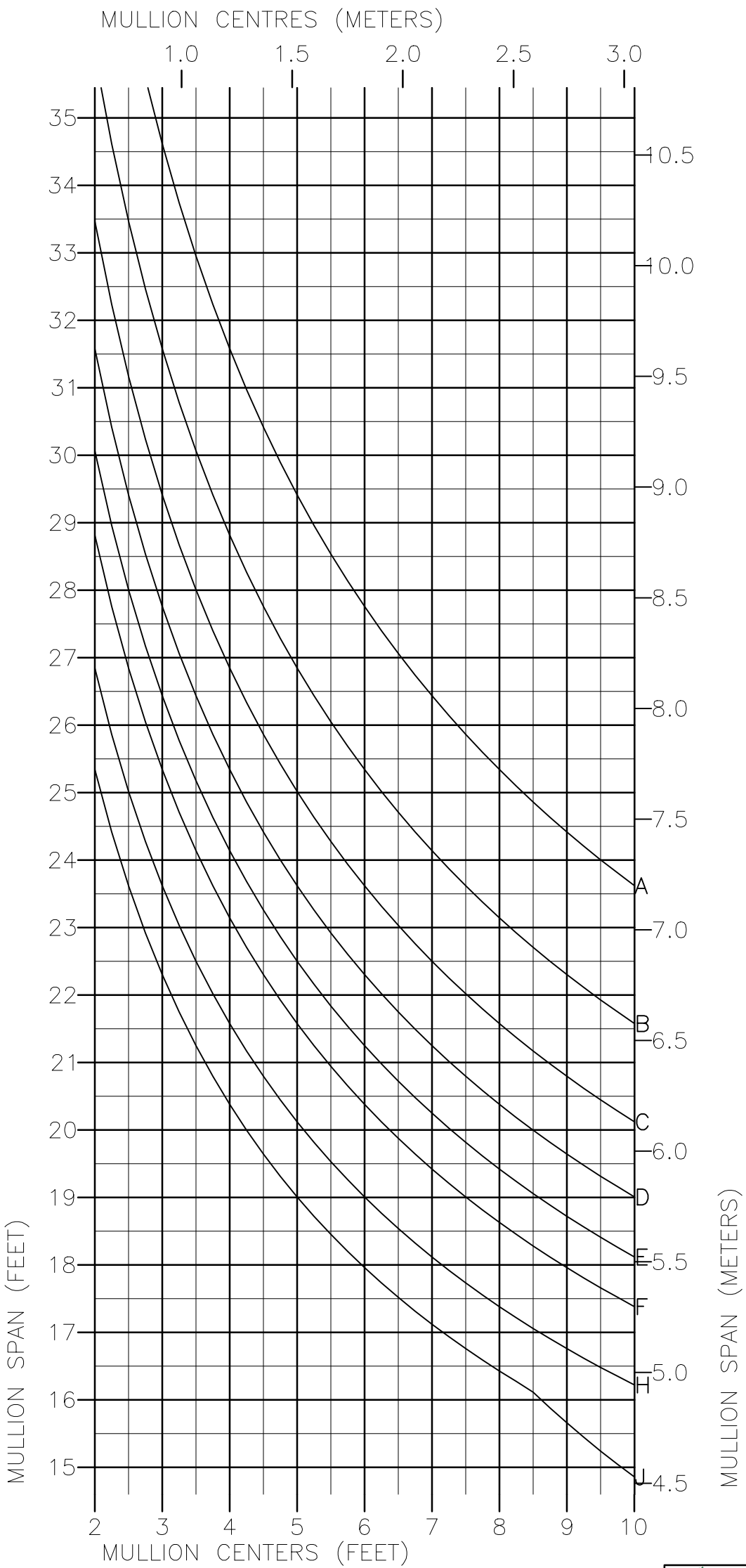
DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650017C5**


PAGE:



SA650-017  
 $I_x = 35.403 \text{ in}^4$   
 $S_x = 6.386 \text{ in}^3$   
C6x8.2  
 $I_x = 13.100 \text{ in}^4$   
 $S_x = 4.350 \text{ in}^3$

- A = 15 psf  
B = 20 psf  
C = 25 psf  
D = 30 psf  
E = 35 psf  
F = 40 psf  
H = 50 psf  
J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE:  
**SIMPLY SUPPORTED**

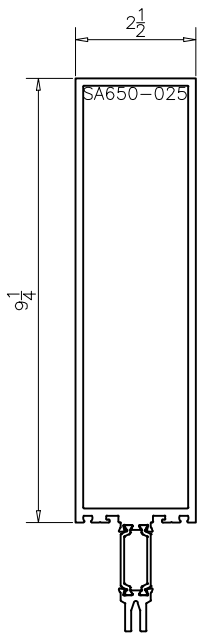
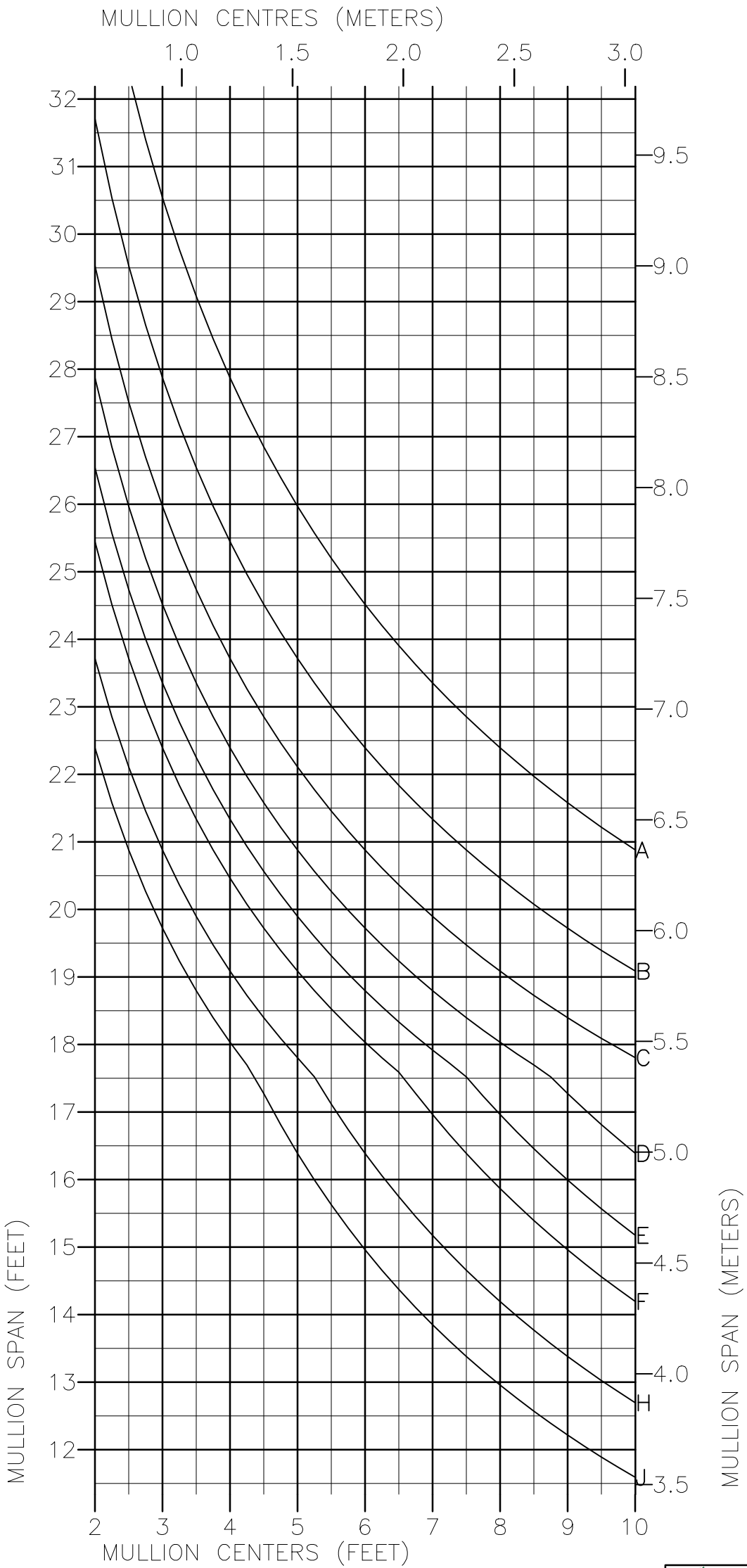
DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650017C6**


PAGE:



SA650-025  
 $I_x = 49.566 \text{ in}^4$   
 $S_x = 8.056 \text{ in}^3$

- A = 15 psf
- B = 20 psf
- C = 25 psf
- D = 30 psf
- E = 35 psf
- F = 40 psf
- H = 50 psf
- J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE:  
**SIMPLY SUPPORTED**

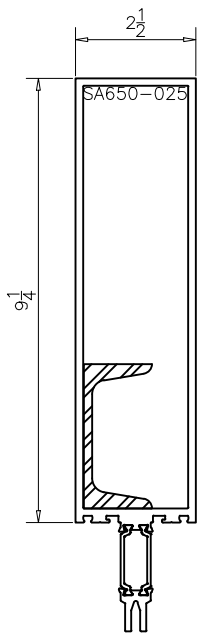
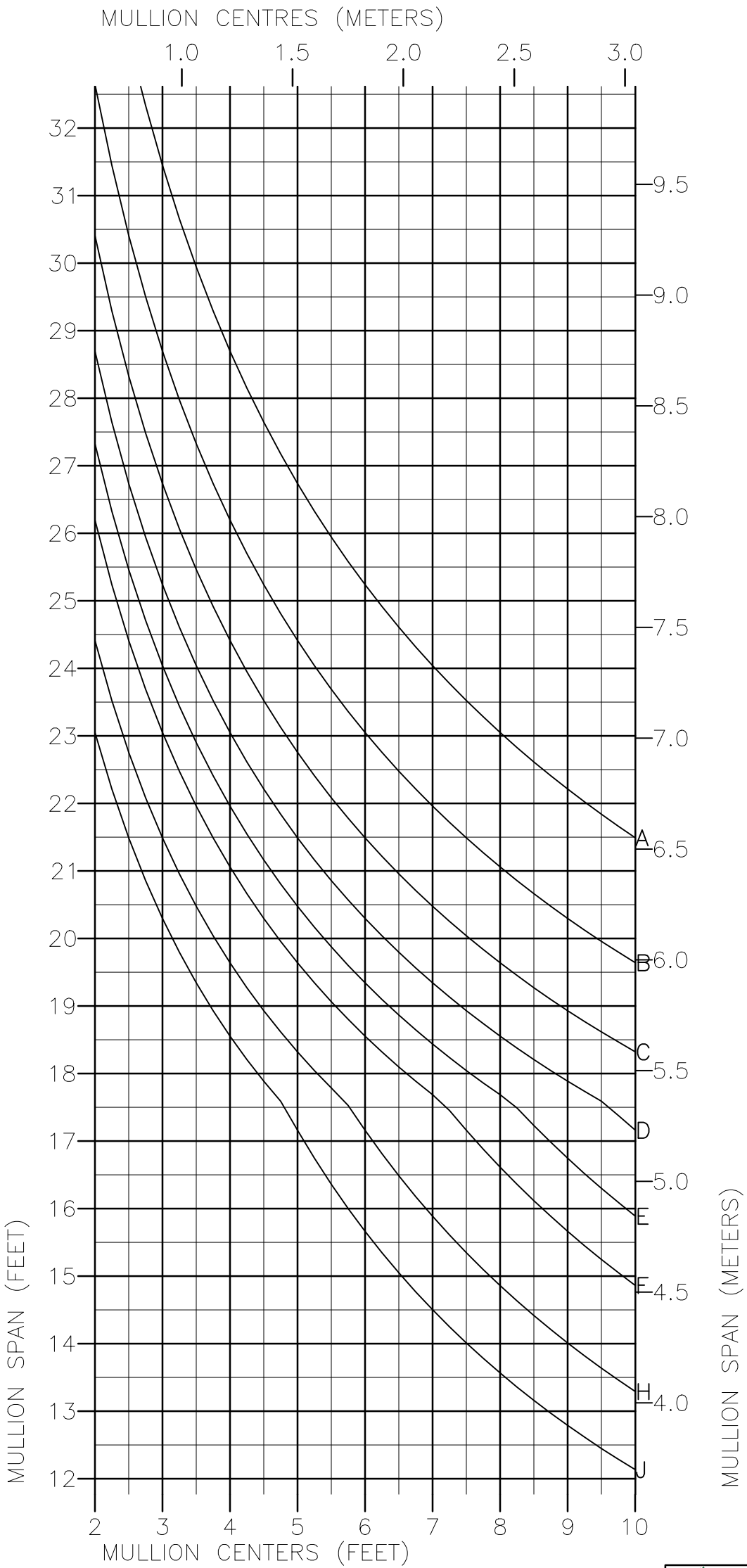
DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650025**


PAGE:



SA650-025  
 $I_x = 49.566 \text{ in}^4$   
 $S_x = 8.056 \text{ in}^3$   
C3x4.1  
 $I_x = 1.650 \text{ in}^4$   
 $S_x = 1.100 \text{ in}^3$

- A = 15 psf
- B = 20 psf
- C = 25 psf
- D = 30 psf
- E = 35 psf
- F = 40 psf
- H = 50 psf
- J = 60 psf

CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
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CHART TYPE:  
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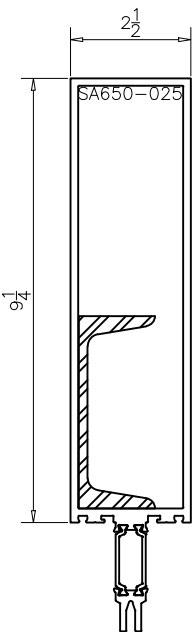
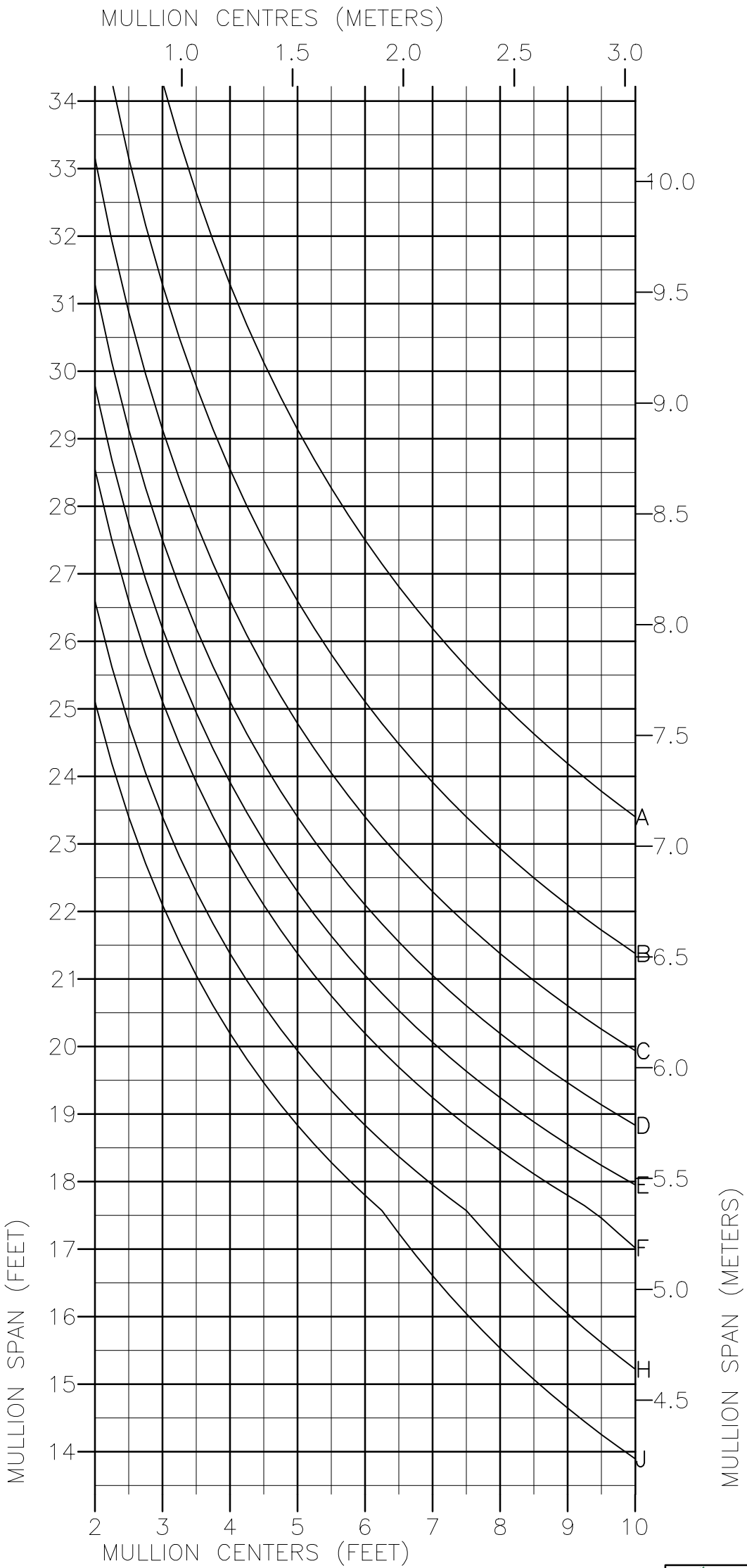
DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650025C3**


PAGE:



SA650-025  
 $I_x = 49.566 \text{ in}^4$   
 $S_x = 8.056 \text{ in}^3$   
C4x5.4  
 $I_x = 7.480 \text{ in}^4$   
 $S_x = 2.990 \text{ in}^3$

- A = 15 psf  
B = 20 psf  
C = 25 psf  
D = 30 psf  
E = 35 psf  
F = 40 psf  
H = 50 psf  
J = 60 psf

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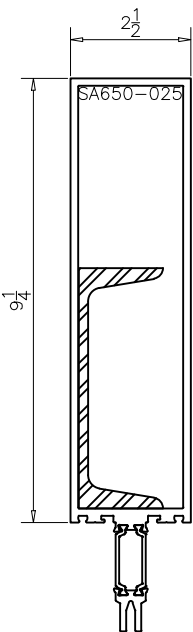
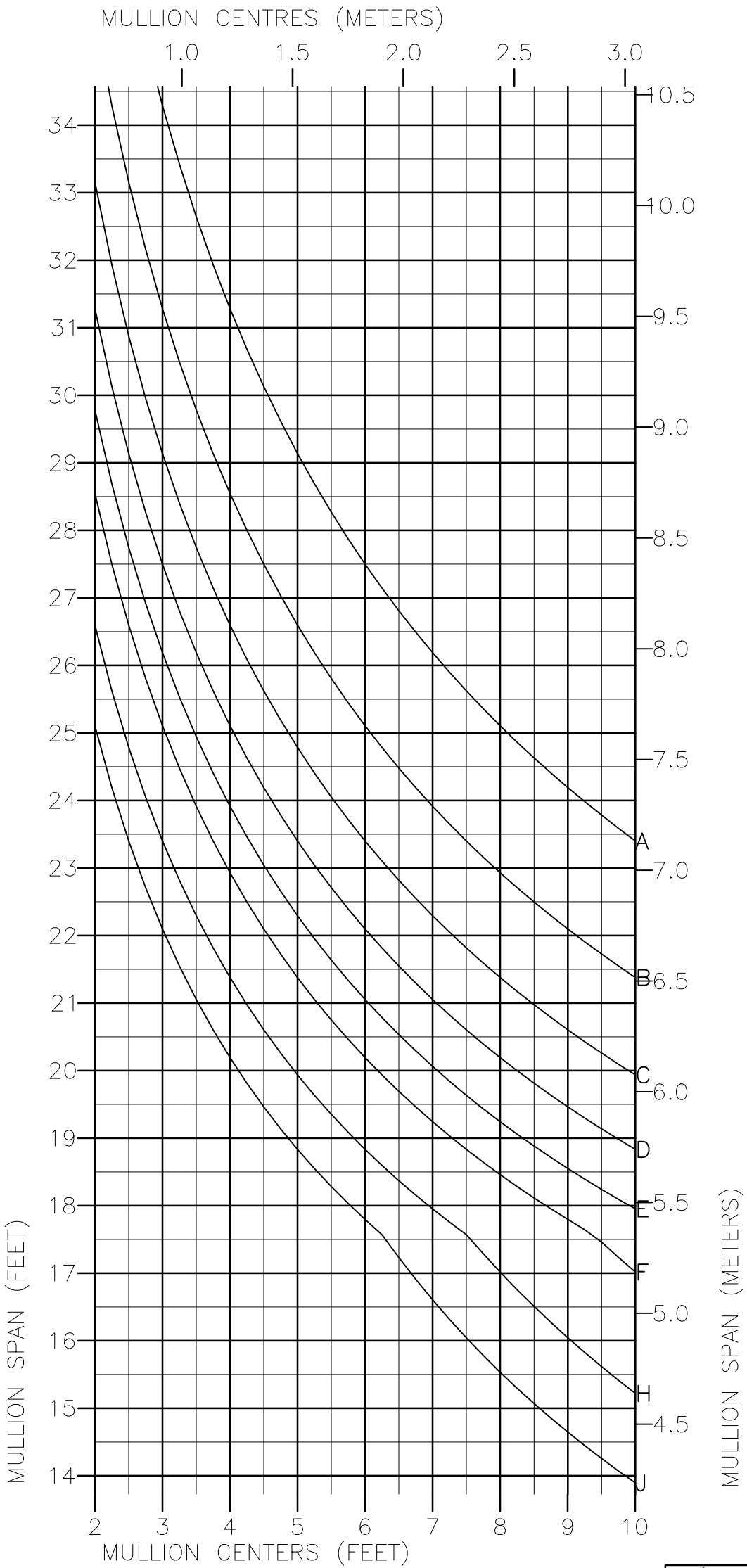
DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**

DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650025C4**


PAGE:



SA650-025  
 $I_x = 49.566 \text{ in}^4$   
 $S_x = 8.056 \text{ in}^3$   
C5x6.7  
 $I_x = 7.480 \text{ in}^4$   
 $S_x = 2.990 \text{ in}^3$

- A = 15 psf  
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C = 25 psf  
D = 30 psf  
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CHART TYPE:  
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SPAN TYPE:  
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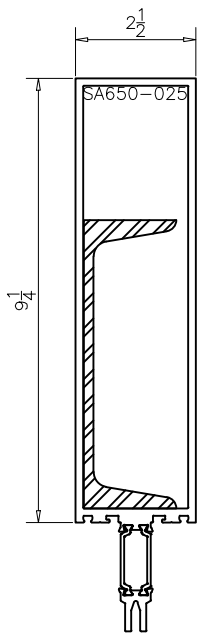
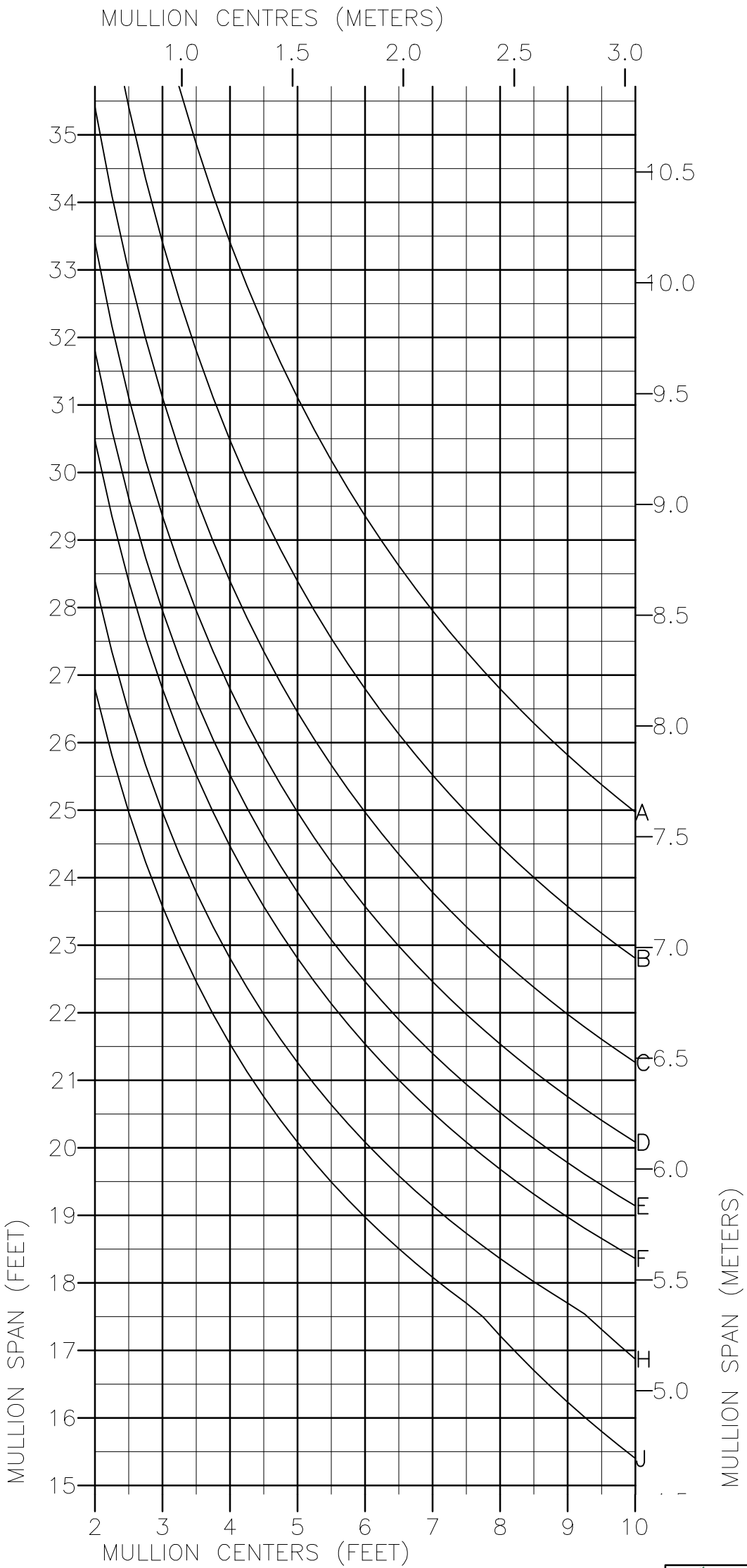
DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**


DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**SA650025C5**

PAGE:



CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
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SPAN TYPE:  
SIMPLY SUPPORTED

DATE PREPARED:  
Mar 23, 21

ALUMINUM ALLOY:  
6063T6

DEFLECTION CRITERION:  
L/175 or L/240+1/4"

SECTION NUMBER:  
SA650025C6

PAGE: