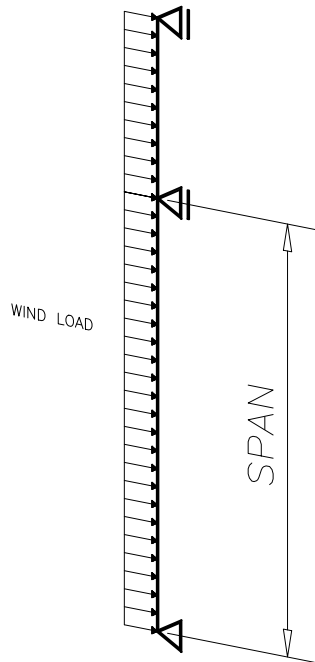
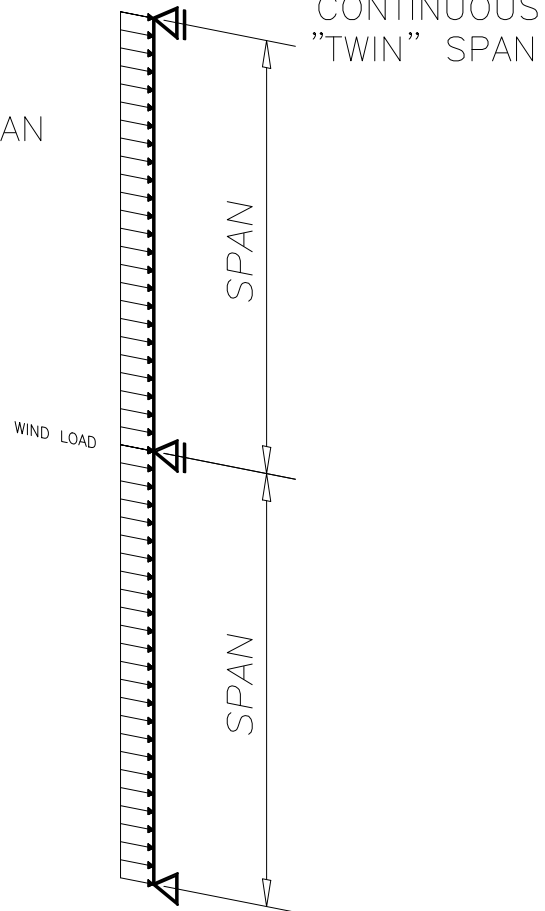


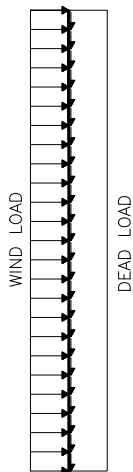
SIMPLE SPAN



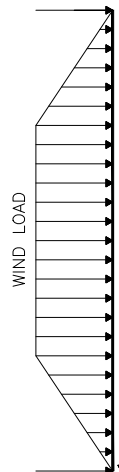
CONTINUOUS SPAN



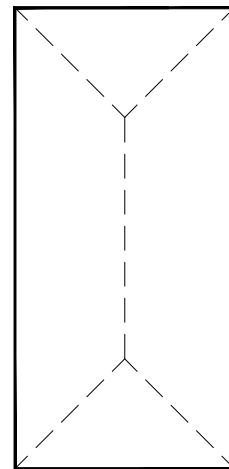
CONTINUOUS  
"TWIN" SPAN



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:

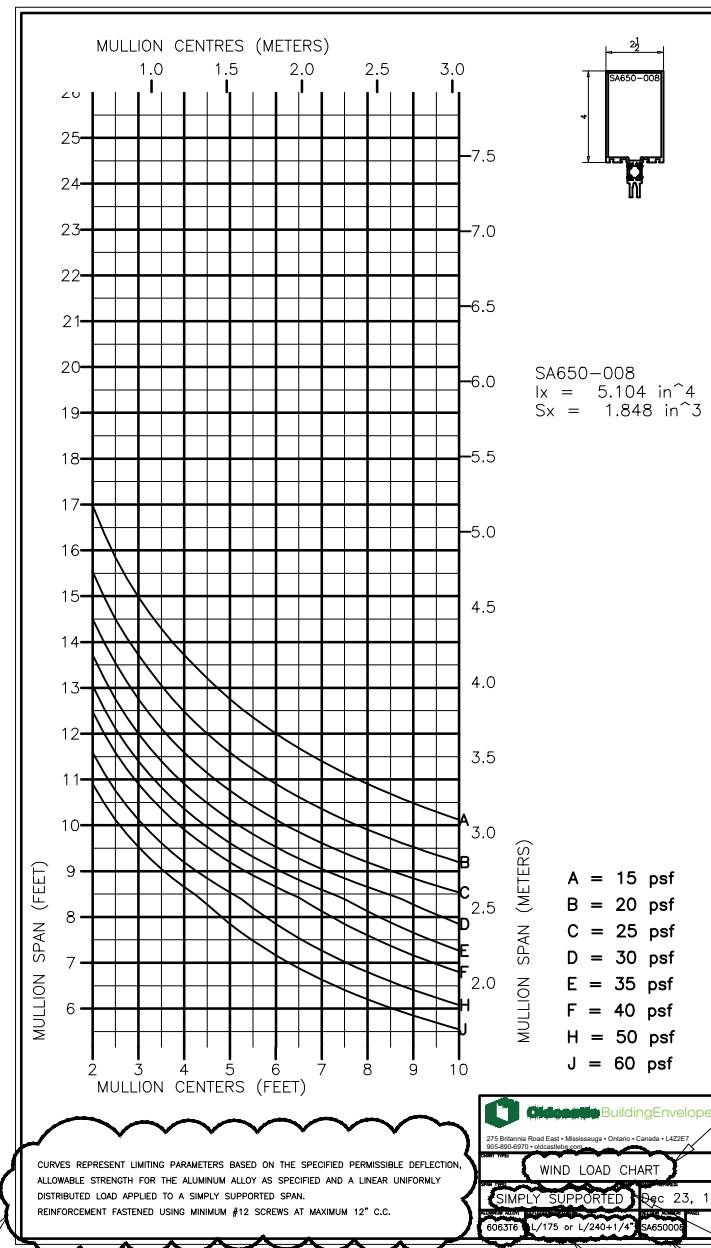
NTS

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

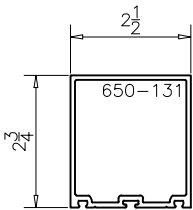
SECTION DESIGNATION

ALLOY DESIGNATION

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

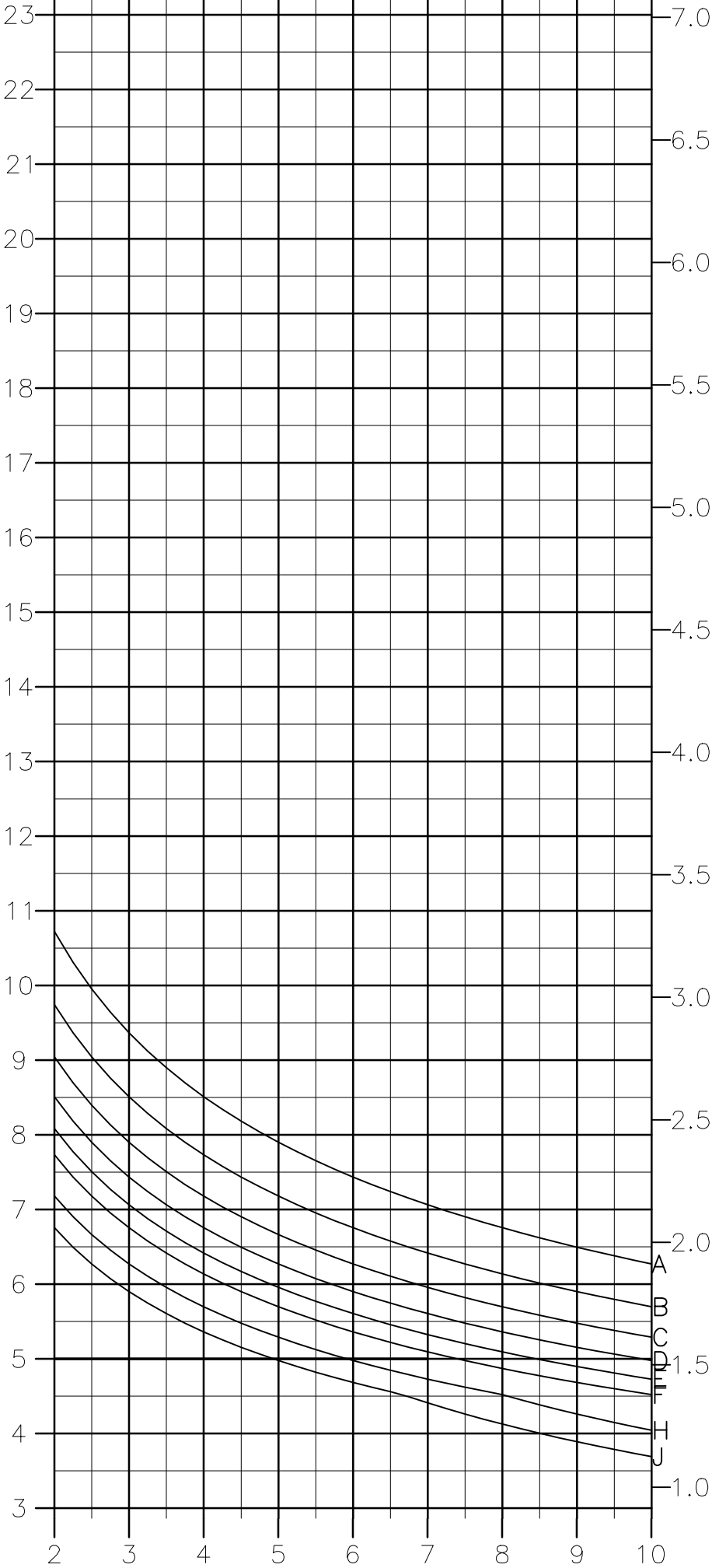
MULLION CENTRES (METERS)

1.0 1.5 2.0 2.5 3.0



650-131  
 $I_x = 1.214 \text{ in}^4$   
 $S_x = 0.817 \text{ in}^3$


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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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"

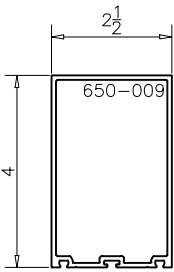
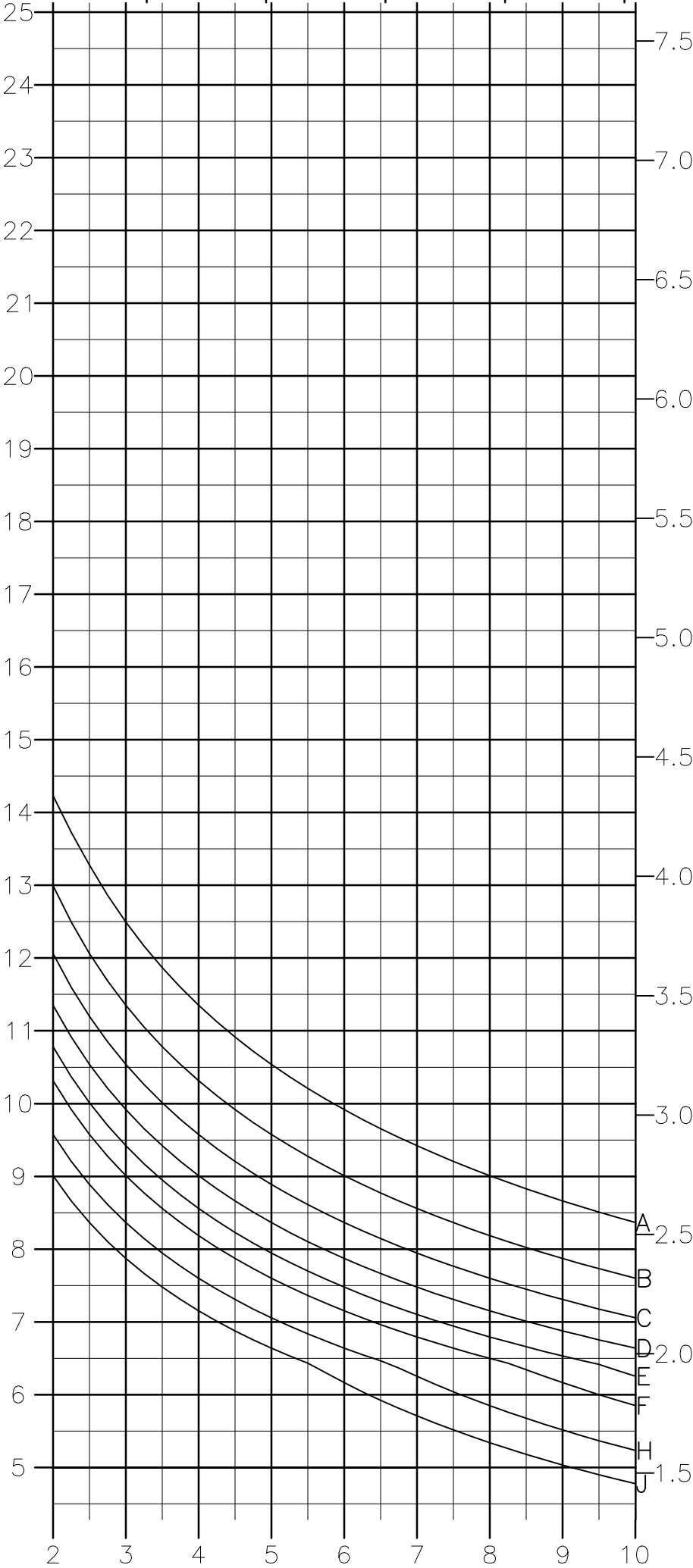
SECTION NUMBER:

650009

PAGE:

MULLION CENTRES (METERS)


1.0 1.5 2.0 2.5 3.0



650-009  
 $I_x = 2.880 \text{ in}^4$   
 $S_x = 1.368 \text{ in}^3$

- 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:  
**Nov 15, 16**

ALUMINUM ALLOY:  
**6063T6**

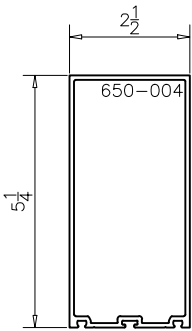
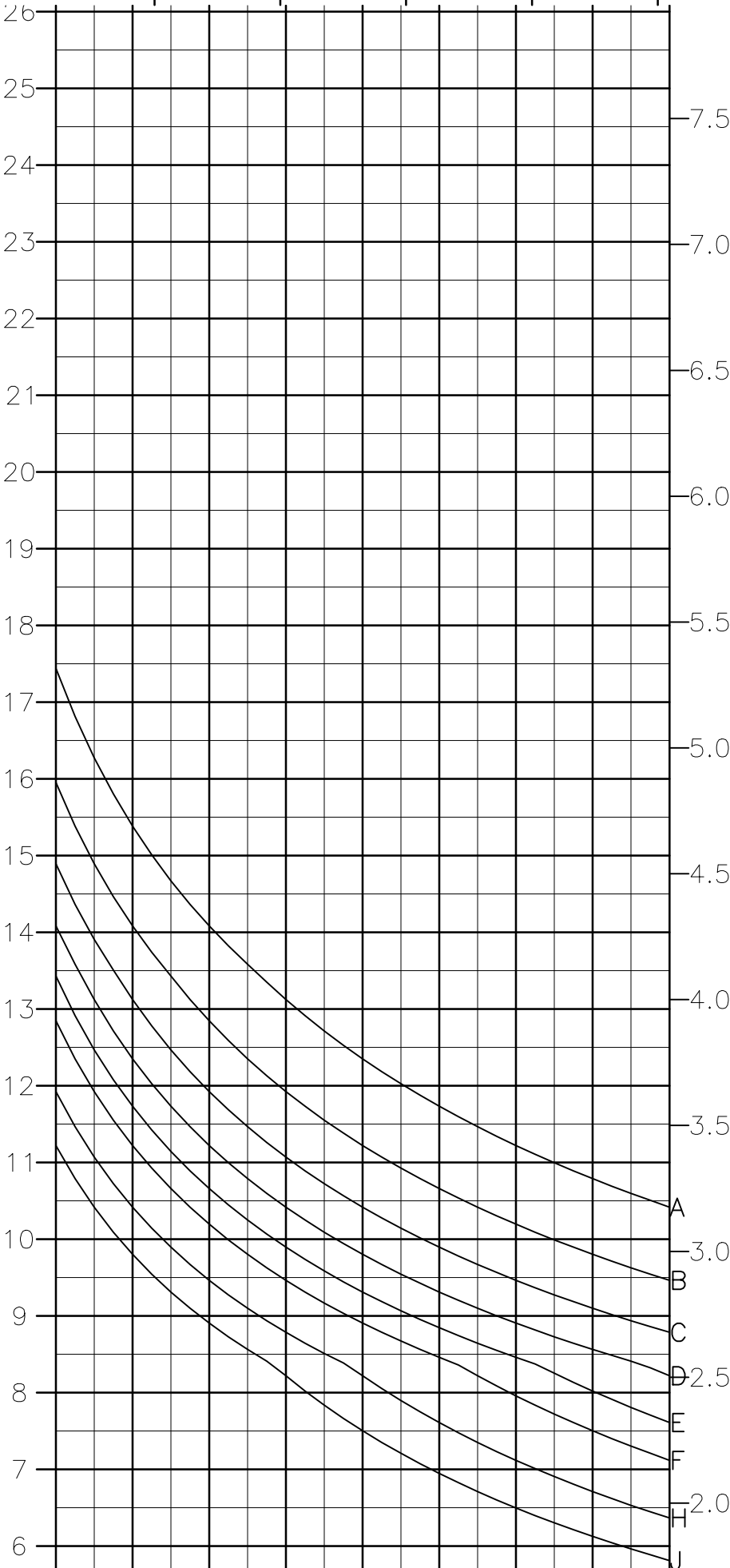
DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**650009**

PAGE:

MULLION CENTRES (METERS)


1.0 1.5 2.0 2.5 3.0



650-004  
 $I_x = 5.565 \text{ in}^4$   
 $S_x = 2.027 \text{ in}^3$

- 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:

Nov 15, 16

ALUMINUM ALLOY:

6063T6

DEFLECTION CRITERION:

L/175 or L/240+1/4"

SECTION NUMBER:

650004

PAGE:

MULLION CENTRES (METERS)

1.0

1.5

2.0

2.5

3.0

28

27

26

25

24

23

22

21

20

19

18

17

16

15

14

13

12

11

10

9

8

8.5

8.0

7.5

7.0

6.5

6.0

5.5

5.0

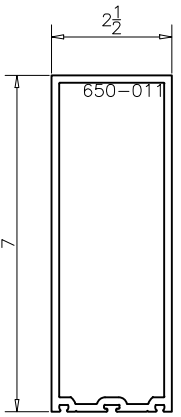
4.5

4.0

3.5

3.0

2.5



650-011  
 $I_x = 17.626 \text{ in}^4$   
 $S_x = 4.923 \text{ in}^3$


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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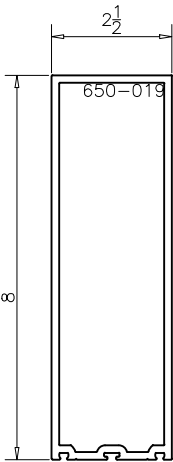
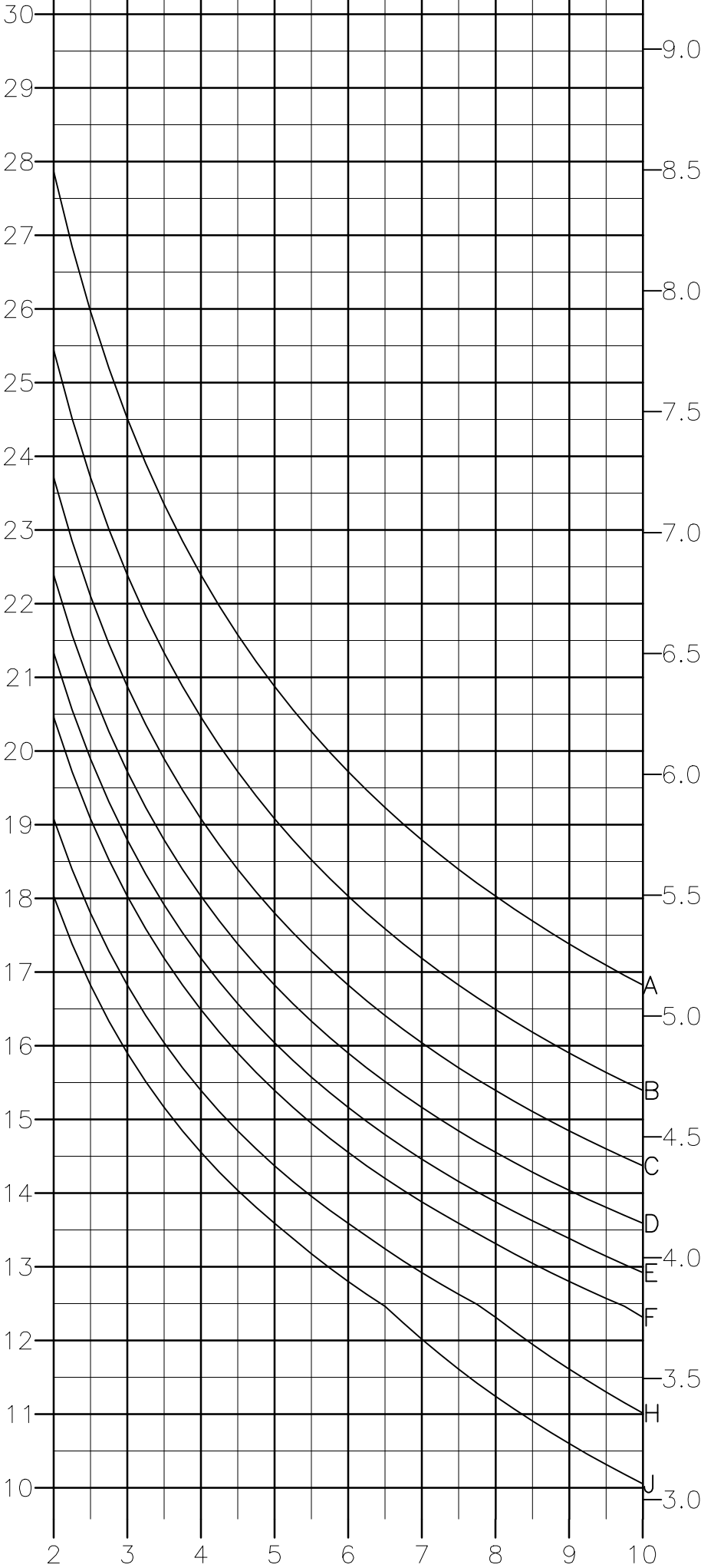
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CHART TYPE:  
**WIND LOAD CHART**

SPAN TYPE: <b>SIMPLY SUPPORTED</b>		DATE PREPARED: <b>Nov 15, 16</b>	
ALUMINUM ALLOY: <b>6063T6</b>	DEFLECTION CRITERION: <b>L/175 or L/240+1/4"</b>	SECTION NUMBER: <b>650011</b>	PAGE: 

MULLION CENTRES (METERS)

1.0 1.5 2.0 2.5 3.0



650-019  
 $I_x = 24.777 \text{ in}^4$   
 $S_x = 6.067 \text{ in}^3$


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

MULLION SPAN (FEET)

MULLION CENTERS (FEET)

MULLION SPAN (METERS)

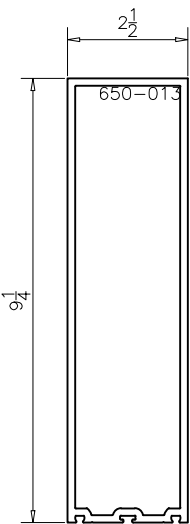
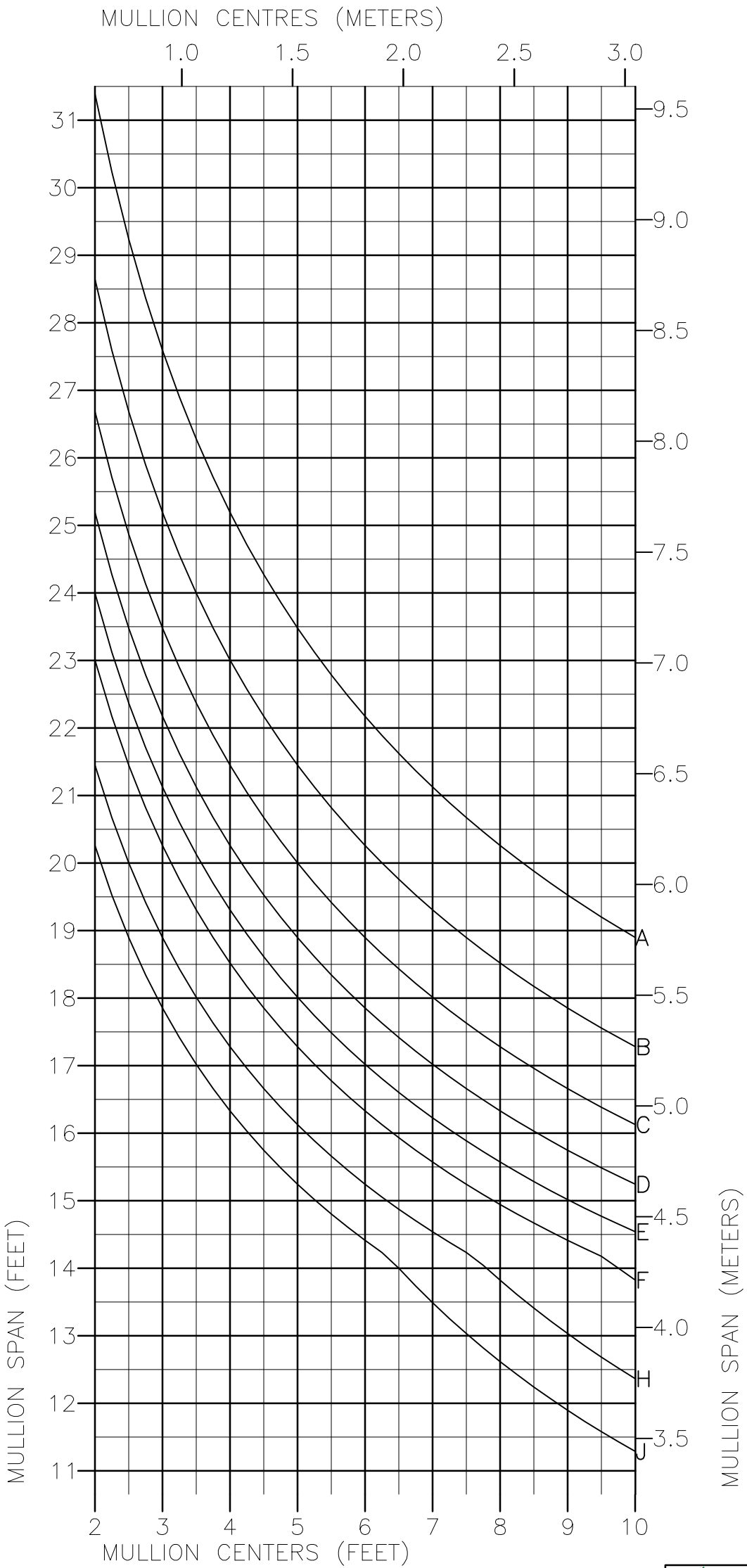
CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN.  
REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.

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CHART TYPE:  
**WIND LOAD CHART**


SPAN TYPE: <b>SIMPLY SUPPORTED</b>		DATE PREPARED: <b>Dec 23, 20</b>	
ALUMINUM ALLOY: <b>6063T6</b>	DEFLECTION CRITERION: <b>L/175 or L/240+1/4"</b>	SECTION NUMBER: <b>650019</b>	PAGE: <b></b>



650-013  
 $I_x = 36.027 \text{ in}^4$   
 $S_x = 7.644 \text{ in}^3$

- 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.

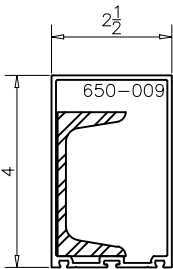
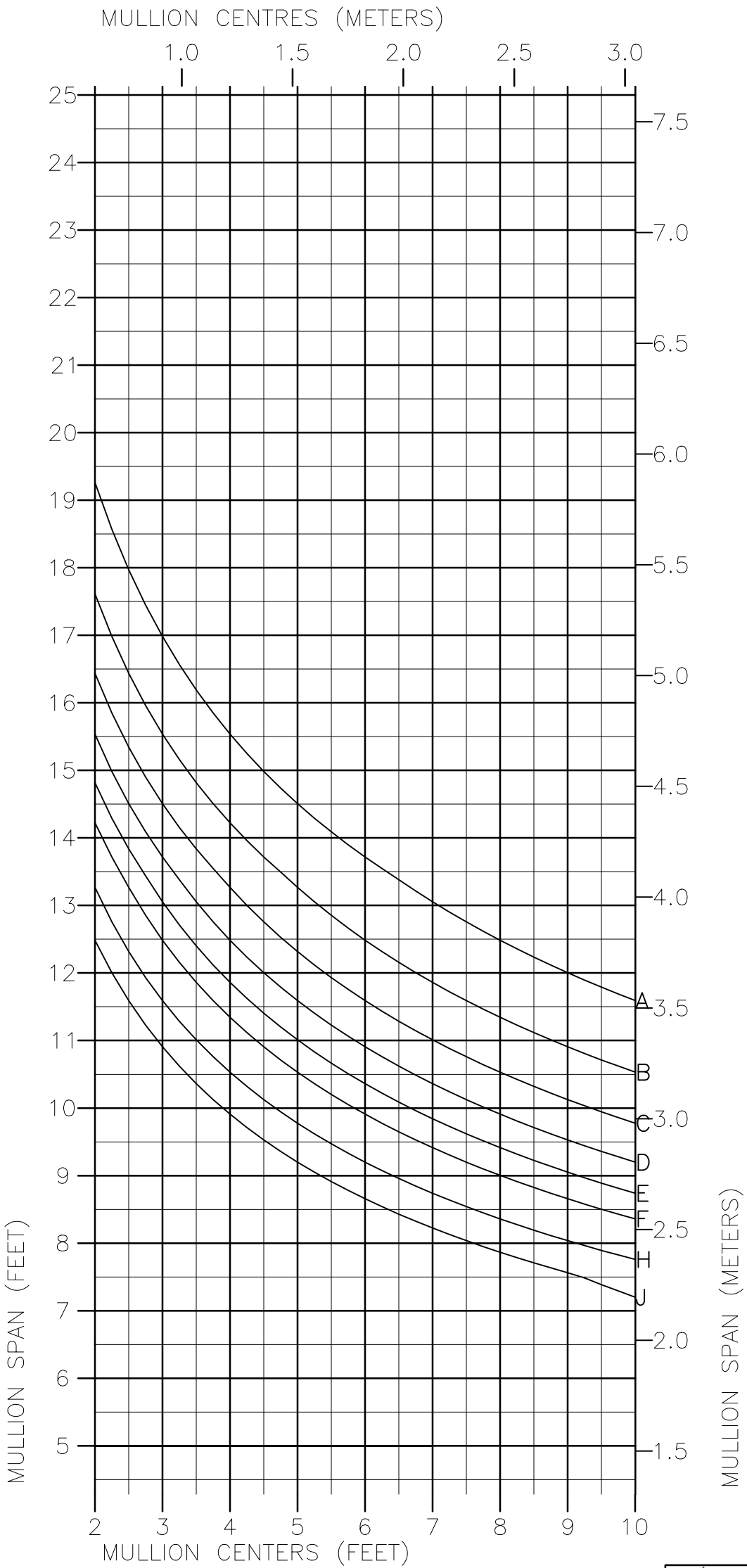
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CHART TYPE:  
WIND LOAD CHART

SPAN TYPE: SIMPLY SUPPORTED		DATE PREPARED: Nov 15, 16	
ALUMINUM ALLOY: 6063T6	DEFLECTION CRITERION: L/175 or L/240+1/4"	SECTION NUMBER: 650013	PAGE:






650-009  
 $I_x = 2.880 \text{ in}^4$   
 $S_x = 1.368 \text{ in}^3$   
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

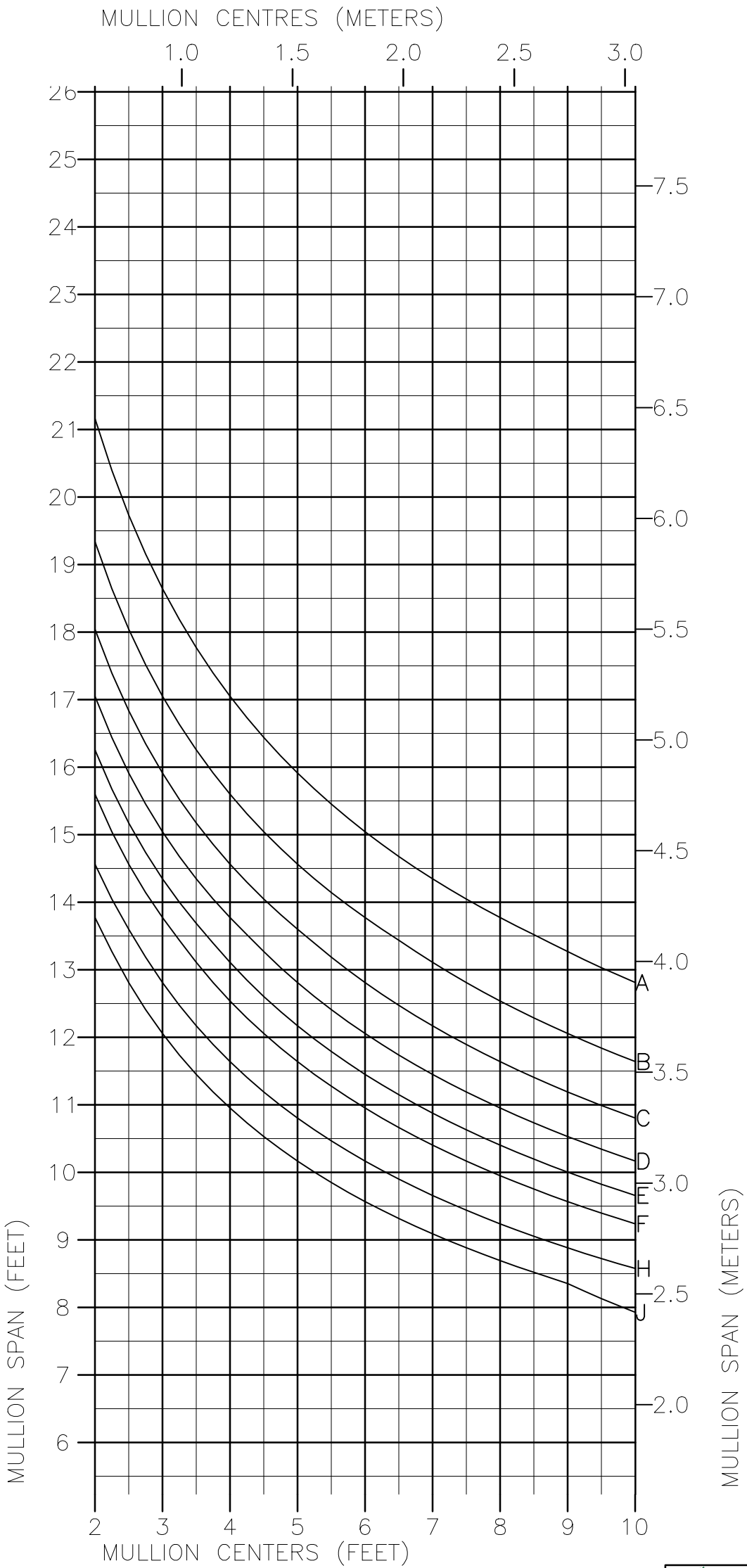
DATE PREPARED:  
Mar 23, 21

ALUMINUM ALLOY:  
6063T6

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

SECTION NUMBER:  
650009C3


PAGE:



650-004  
 $I_x = 5.565 \text{ in}^4$   
 $S_x = 2.027 \text{ in}^3$   
C3x4.1 lb/ft  
 $I_x = 1.650 \text{ in}^4$   
 $S_x = 1.100 \text{ in}^3$

- 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**

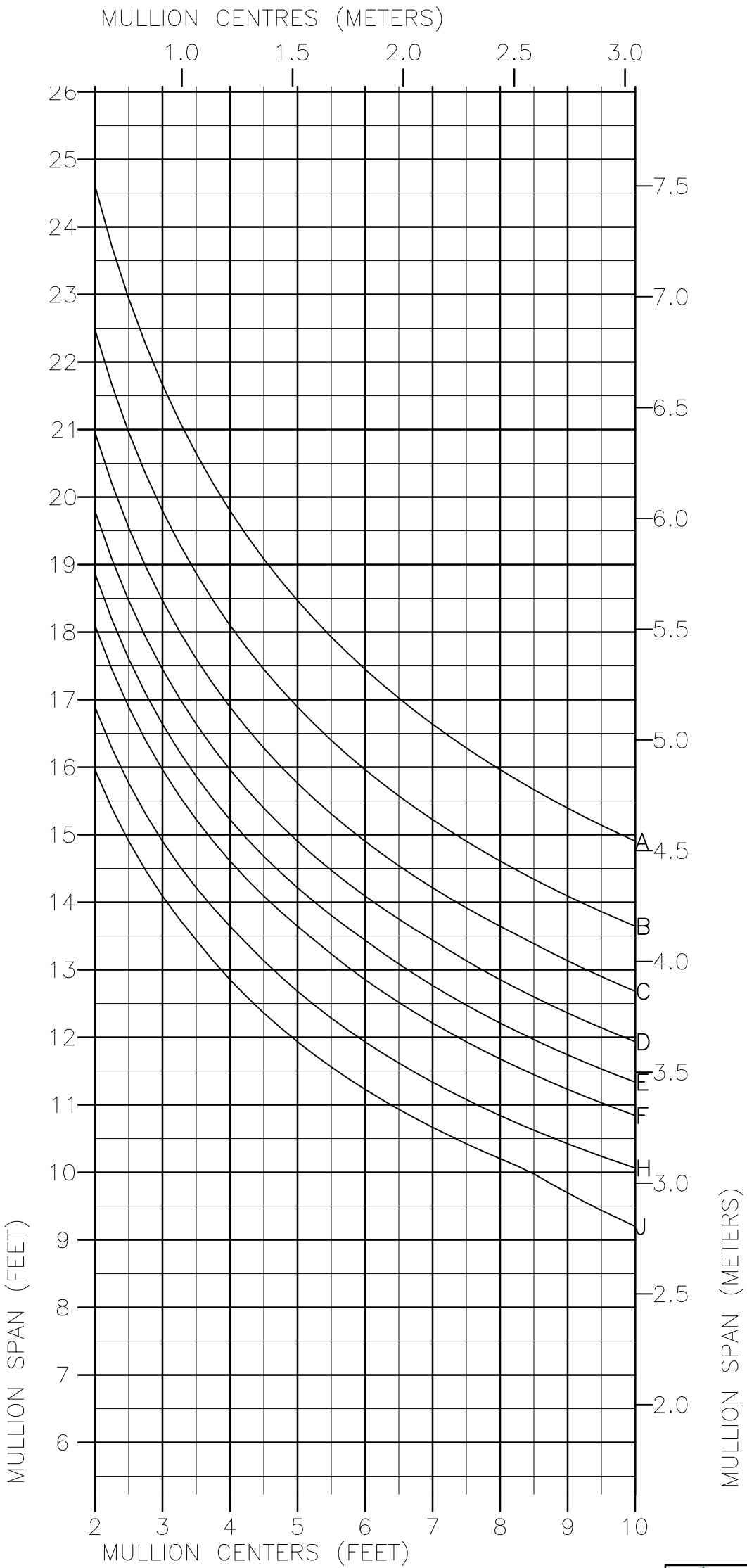
DATE PREPARED:  
**Nov 29, 18**

ALUMINUM ALLOY:  
**6063T6**

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

SECTION NUMBER:  
**650004C3**


PAGE:



650-004  
 $I_x = 5.565 \text{ in}^4$   
 $S_x = 2.027 \text{ in}^3$   
C4x5.4 lb/ft  
 $I_x = 3.850 \text{ in}^4$   
 $S_x = 1.920 \text{ in}^3$

- 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**

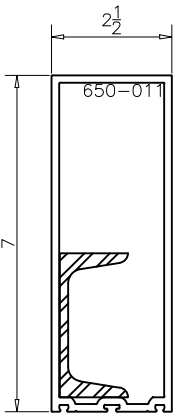
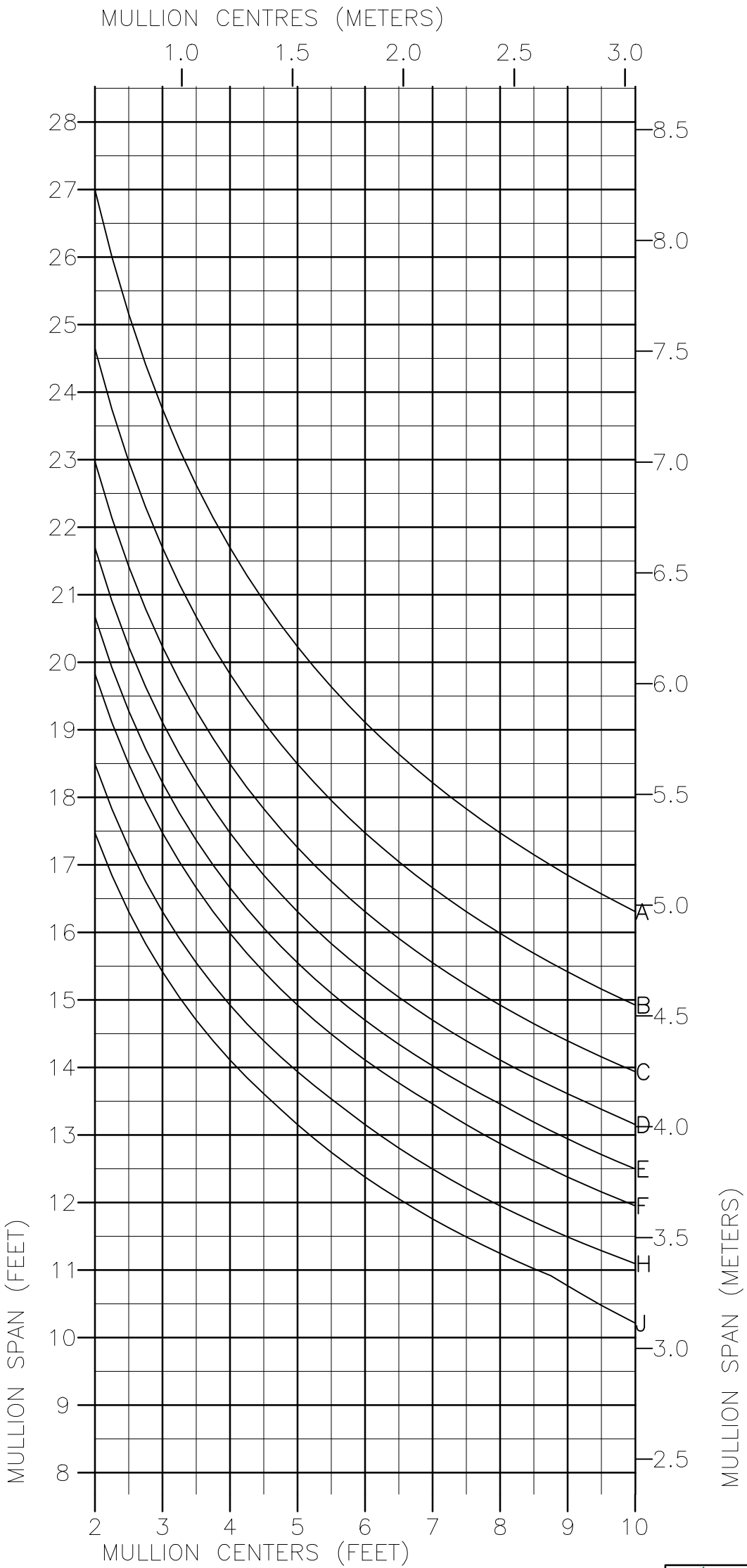
DATE PREPARED:  
**Nov 29, 18**

ALUMINUM ALLOY:  
**6063T6**

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

SECTION NUMBER:  
**650004C4**


PAGE:



650-011  
 $I_x = 17.626 \text{ in}^4$   
 $S_x = 4.923 \text{ in}^3$   
C3x4.1 lb/ft  
 $I_x = 1.650 \text{ in}^4$   
 $S_x = 1.100 \text{ in}^3$

- 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: <b>SIMPLY SUPPORTED</b>		DATE PREPARED: <b>Dec 20, 18</b>	
ALUMINUM ALLOY: <b>6063T6</b>	DEFLECTION CRITERION: <b>L/175 or L/240+1/4"</b>	SECTION NUMBER: <b>650011C3</b>	PAGE: <b></b>

MULLION CENTRES (METERS)

1.0

1.5

2.0

2.5

3.0

30

29

28

27

26

25

24

23

22

21

20

19

18

17

16

15

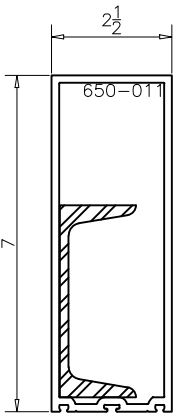
14

13

12

11

10



650-011  
 $I_x = 17.626 \text{ in}^4$   
 $S_x = 4.923 \text{ in}^3$   
C4x5.4 lb/ft  
 $I_x = 3.850 \text{ in}^4$   
 $S_x = 1.920 \text{ in}^3$

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**

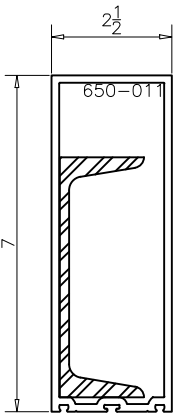
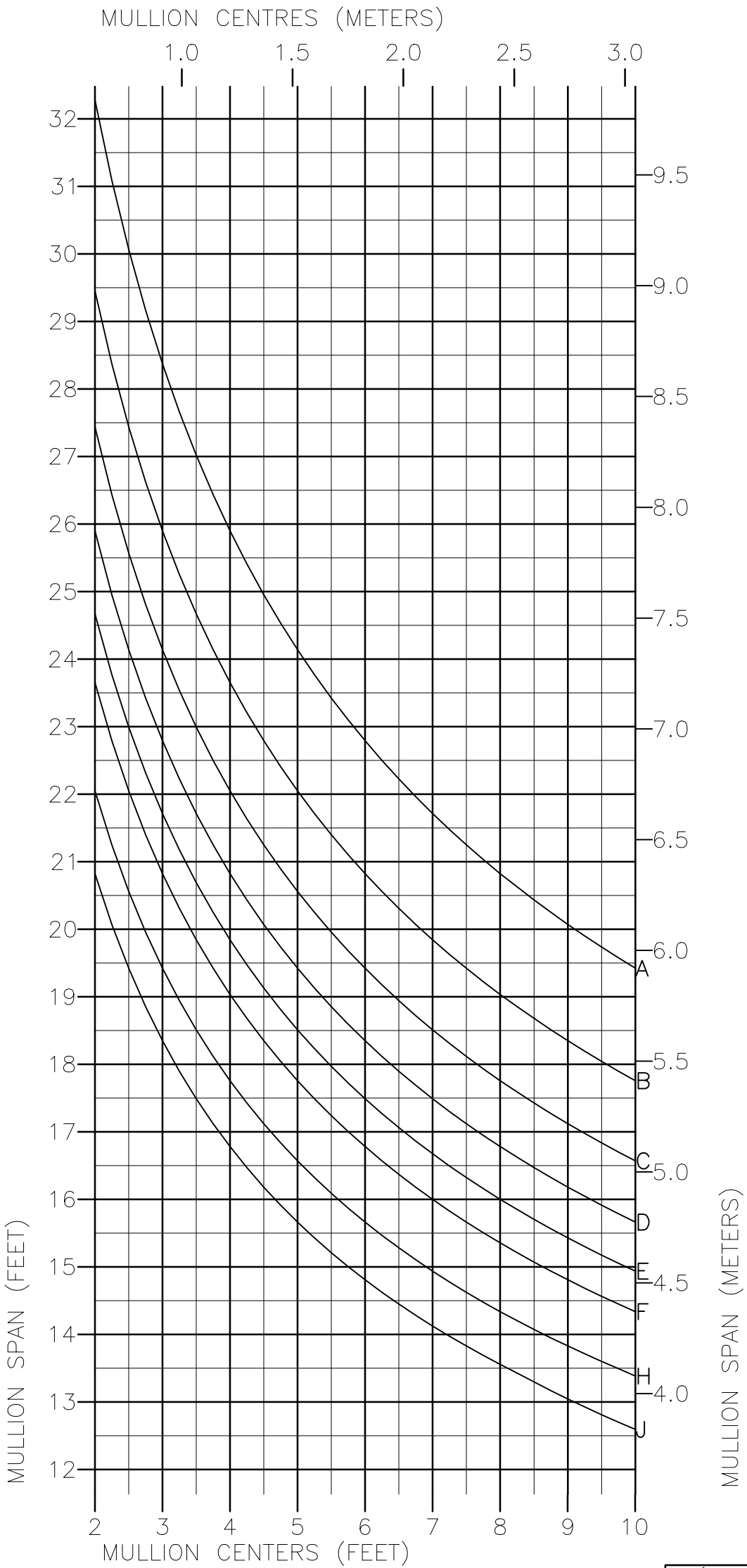
DATE PREPARED:  
**Dec 20, 18**

ALUMINUM ALLOY:  
**6063T6**

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

SECTION NUMBER:  
**650011C4**


PAGE:



650-011  
 $I_x = 17.626 \text{ in}^4$   
 $S_x = 4.923 \text{ in}^3$   
C5x6.7 lb/ft  
 $I_x = 7.480 \text{ in}^4$   
 $S_x = 2.990 \text{ in}^3$

- 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**

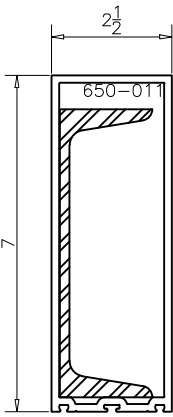
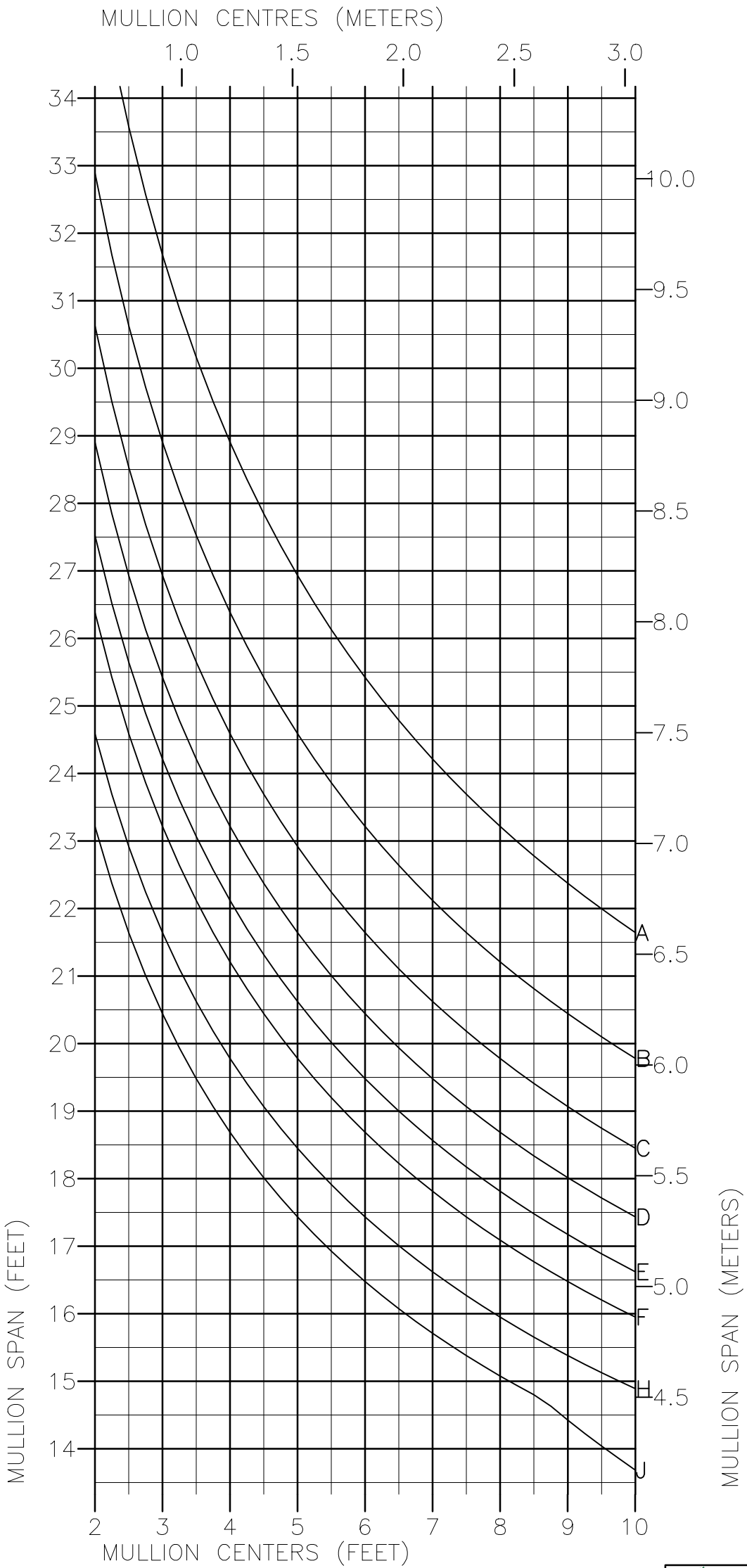
DATE PREPARED:  
**Dec 20, 18**

ALUMINUM ALLOY:  
**6063T6**

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

SECTION NUMBER:  
**650011C5**


PAGE:



650-011  
 $I_x = 17.626 \text{ in}^4$   
 $S_x = 4.923 \text{ in}^3$   
C6x8.2 lb/ft  
 $I_x = 13.100 \text{ in}^4$   
 $S_x = 4.350 \text{ in}^3$

- 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:  
**Dec 07, 18**

ALUMINUM ALLOY:  
**6063T6**

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

SECTION NUMBER:  
**650011C6**

PAGE:

MULLION CENTRES (METERS)

1.0

1.5

2.0

2.5

3.0

31

30

29

28

27

26

25

24

23

22

21

20

19

18

17

16

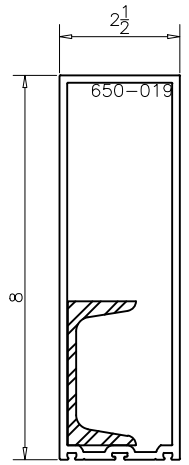
15

14

13

12

11



650-019

$I_x = 24.777 \text{ in}^4$

$S_x = 6.067 \text{ in}^3$

C3x4.1

$I_x = 1.650 \text{ in}^4$

$S_x = 1.100 \text{ in}^3$


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 23, 21**

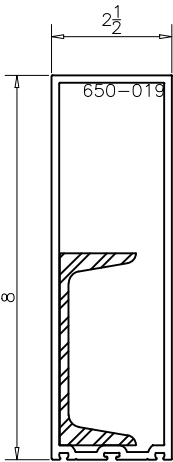
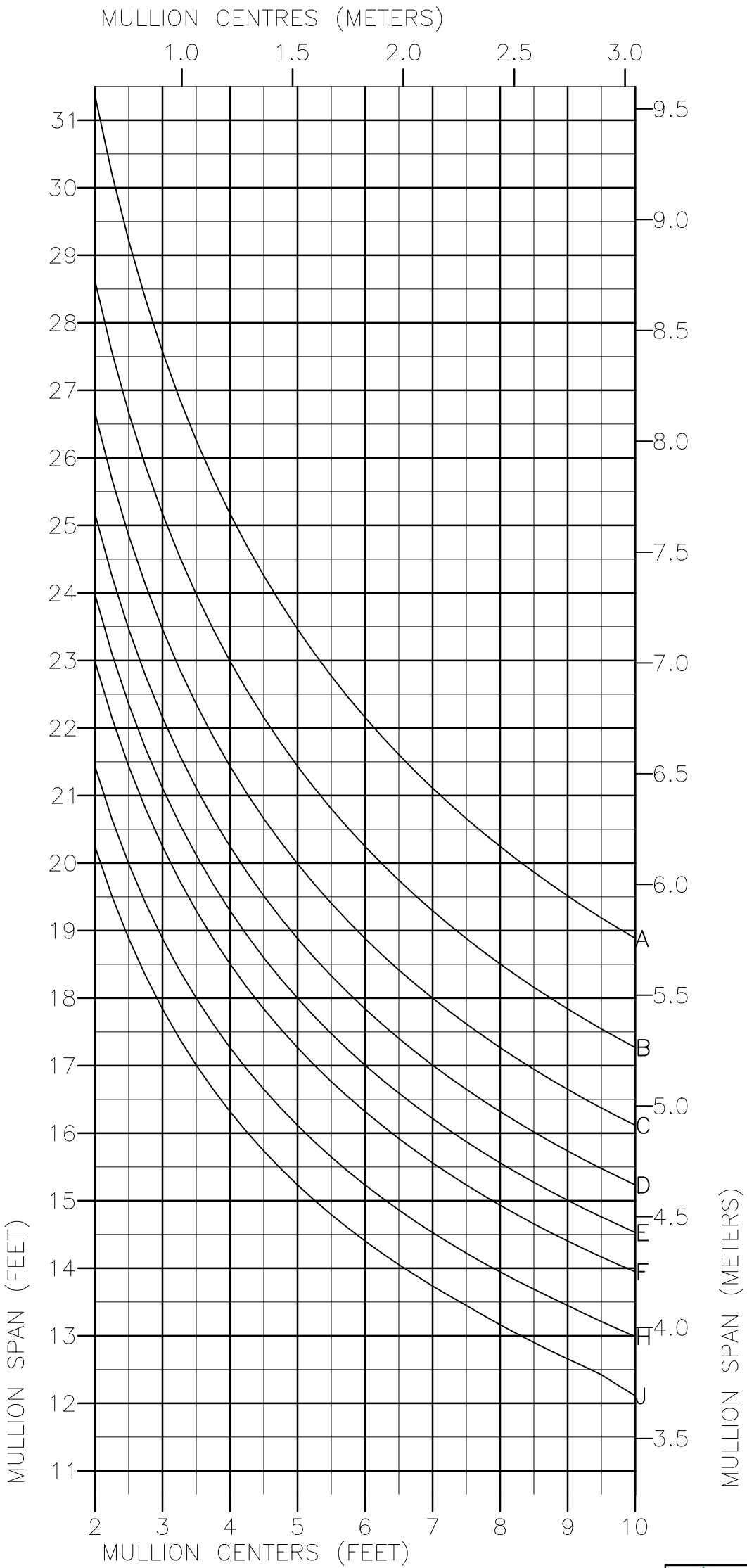
ALUMINUM ALLOY:  
**6063T6**

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

SECTION NUMBER:  
**650019C3**

PAGE:






650-019  
 $I_x = 24.777 \text{ in}^4$   
 $S_x = 6.067 \text{ in}^3$   
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

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SPAN TYPE:  
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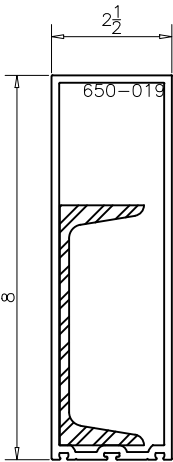
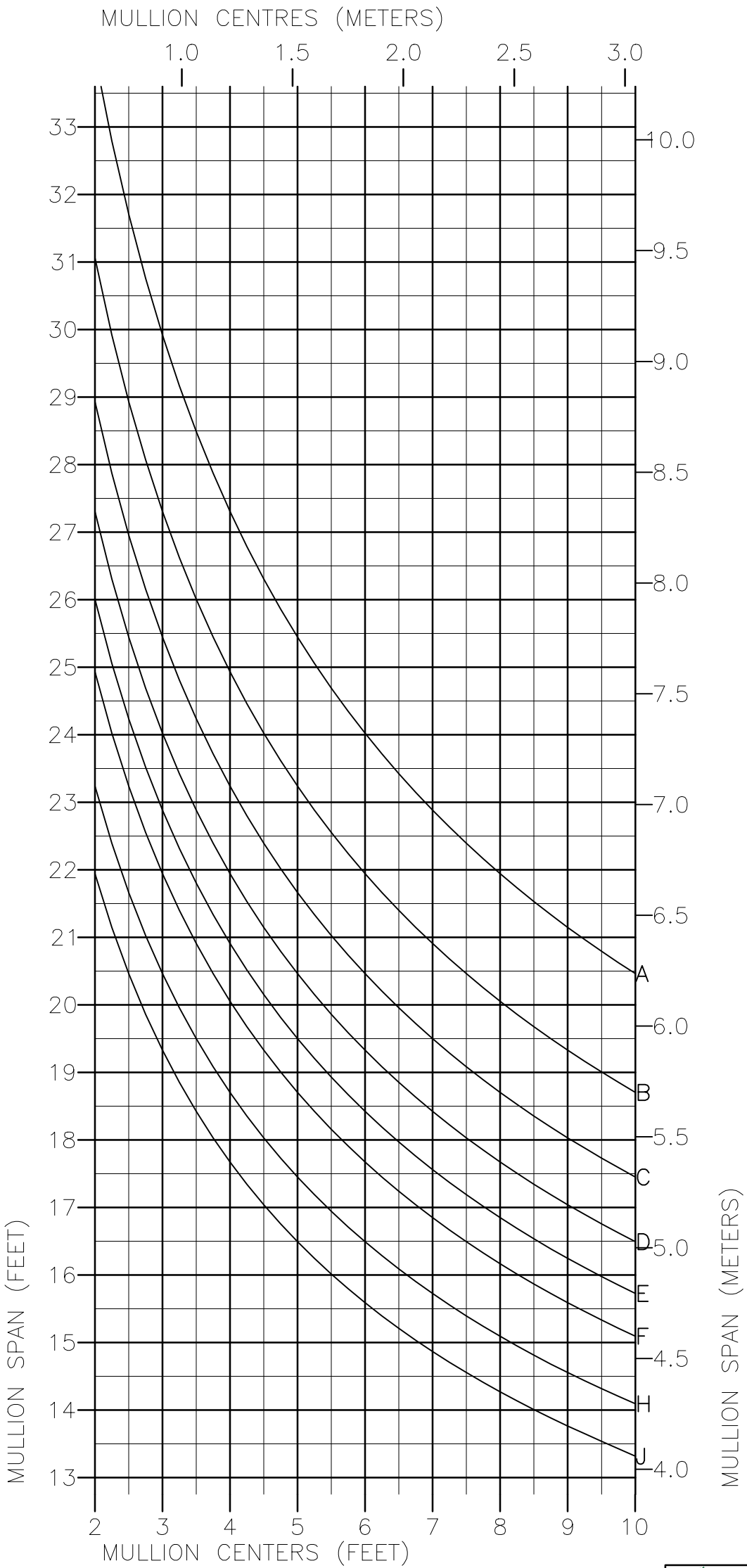
DATE PREPARED:  
**Dec 07, 18**

ALUMINUM ALLOY:  
**6063T6**

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

SECTION NUMBER:  
**650019C4**


PAGE:



650-019  
 $I_x = 24.777 \text{ in}^4$   
 $S_x = 6.067 \text{ in}^3$   
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

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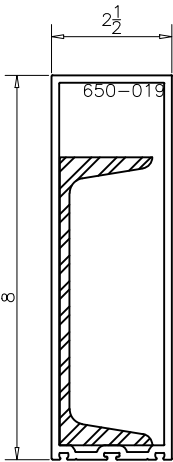
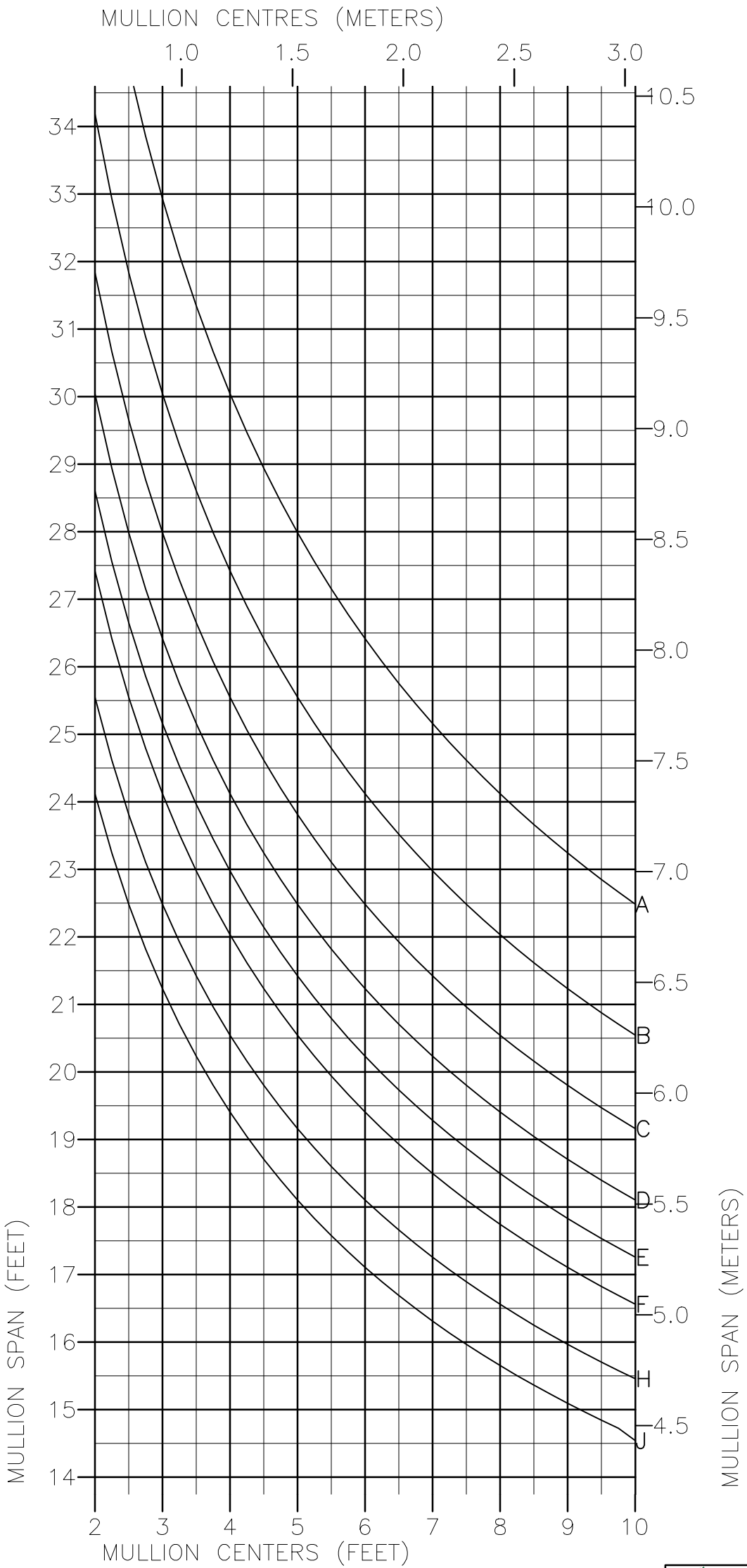
DATE PREPARED:  
**Dec 07, 18**

ALUMINUM ALLOY:  
**6063T6**

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

SECTION NUMBER:  
**650019C5**


PAGE:



650-019  
 $I_x = 24.777 \text{ in}^4$   
 $S_x = 6.067 \text{ in}^3$   
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

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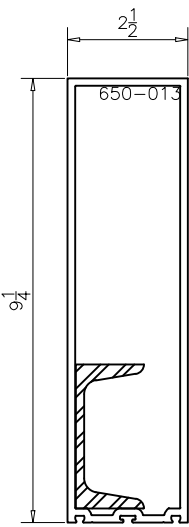
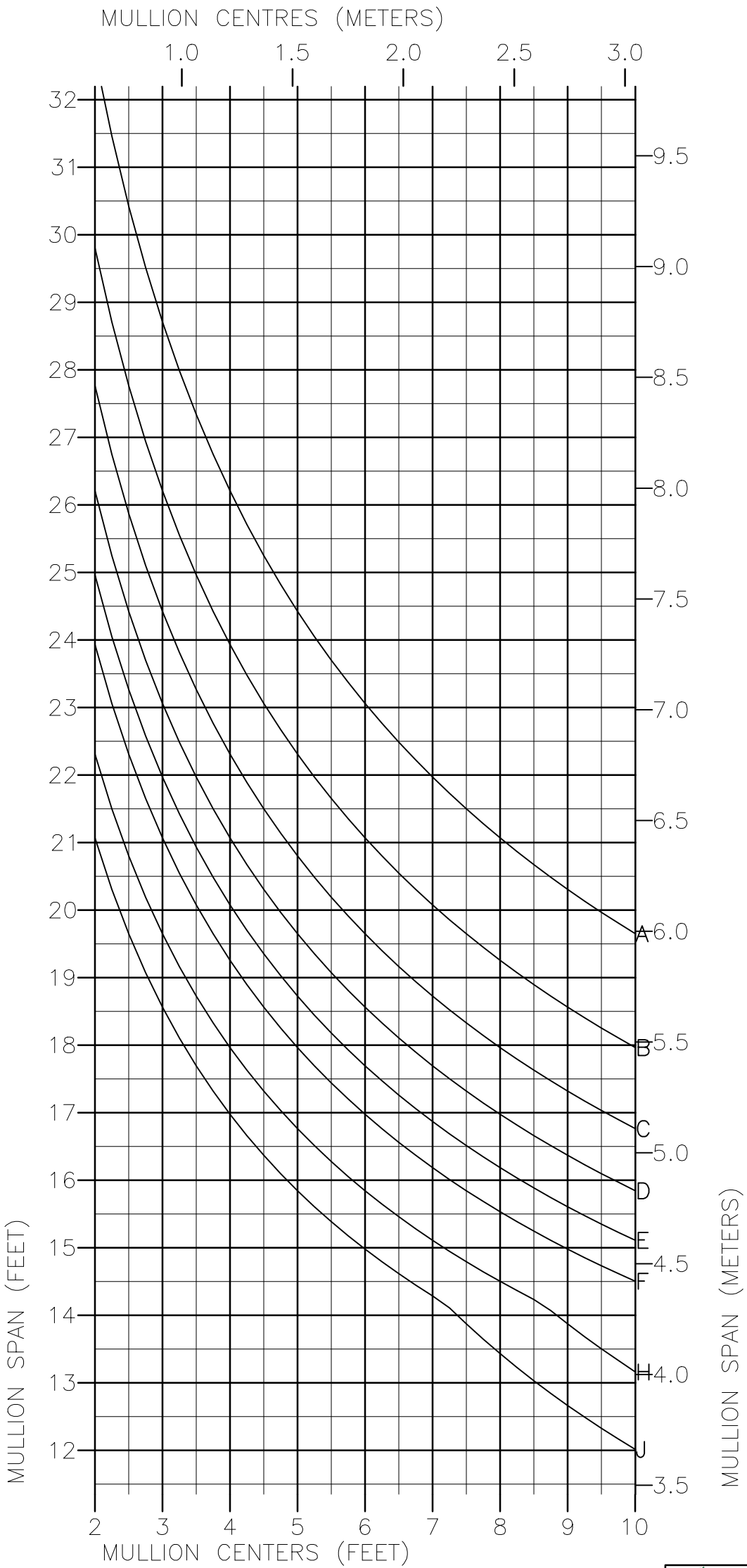
DATE PREPARED:  
**Mar 23, 21**

ALUMINUM ALLOY:  
**6063T6**

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

SECTION NUMBER:  
**650019C6**


PAGE:



650-013  
 $I_x = 36.027 \text{ in}^4$   
 $S_x = 7.644 \text{ in}^3$   
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

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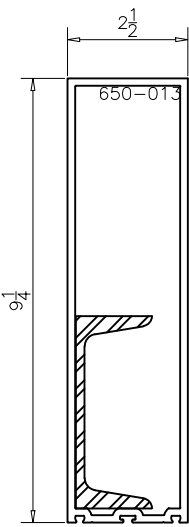
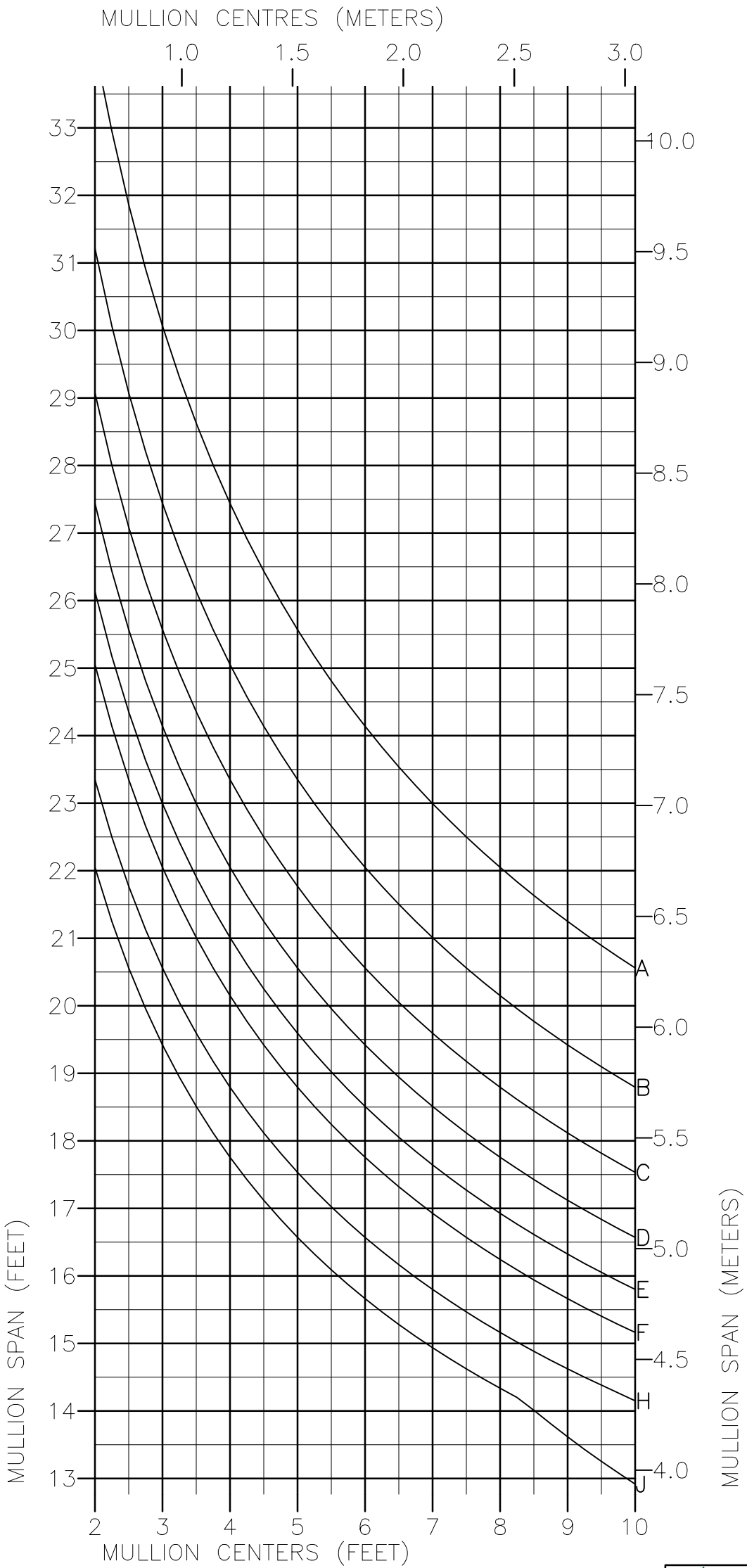
DATE PREPARED:  
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ALUMINUM ALLOY:  
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DEFLECTION CRITERION:  
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SECTION NUMBER:  
**650013C3**


PAGE:



650-013  
 $I_x = 36.027 \text{ in}^4$   
 $S_x = 7.644 \text{ in}^3$   
C4x5.4  
 $I_x = 3.850 \text{ in}^4$   
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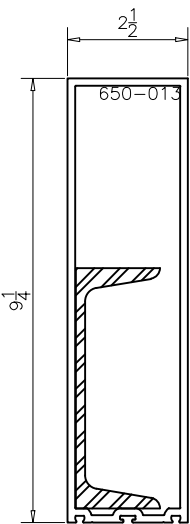
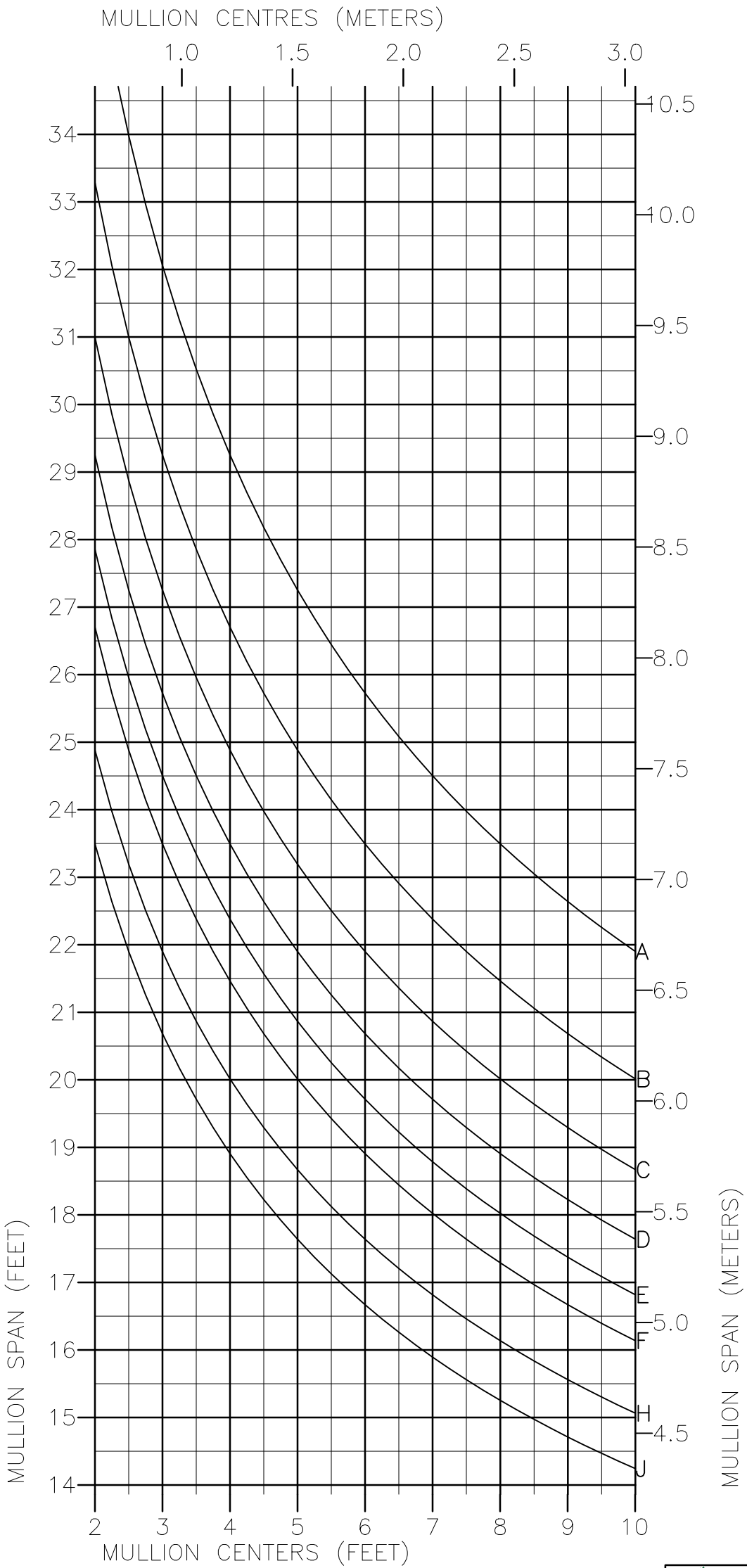
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ALUMINUM ALLOY:  
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DEFLECTION CRITERION:  
**L/175 or L/240+1/4"**

SECTION NUMBER:  
**650013C4**


PAGE:



650-013  
 $I_x = 36.027 \text{ in}^4$   
 $S_x = 7.644 \text{ in}^3$   
C5x6.7  
 $I_x = 7.480 \text{ in}^4$   
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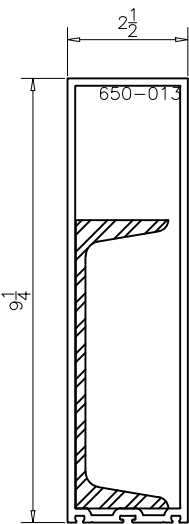
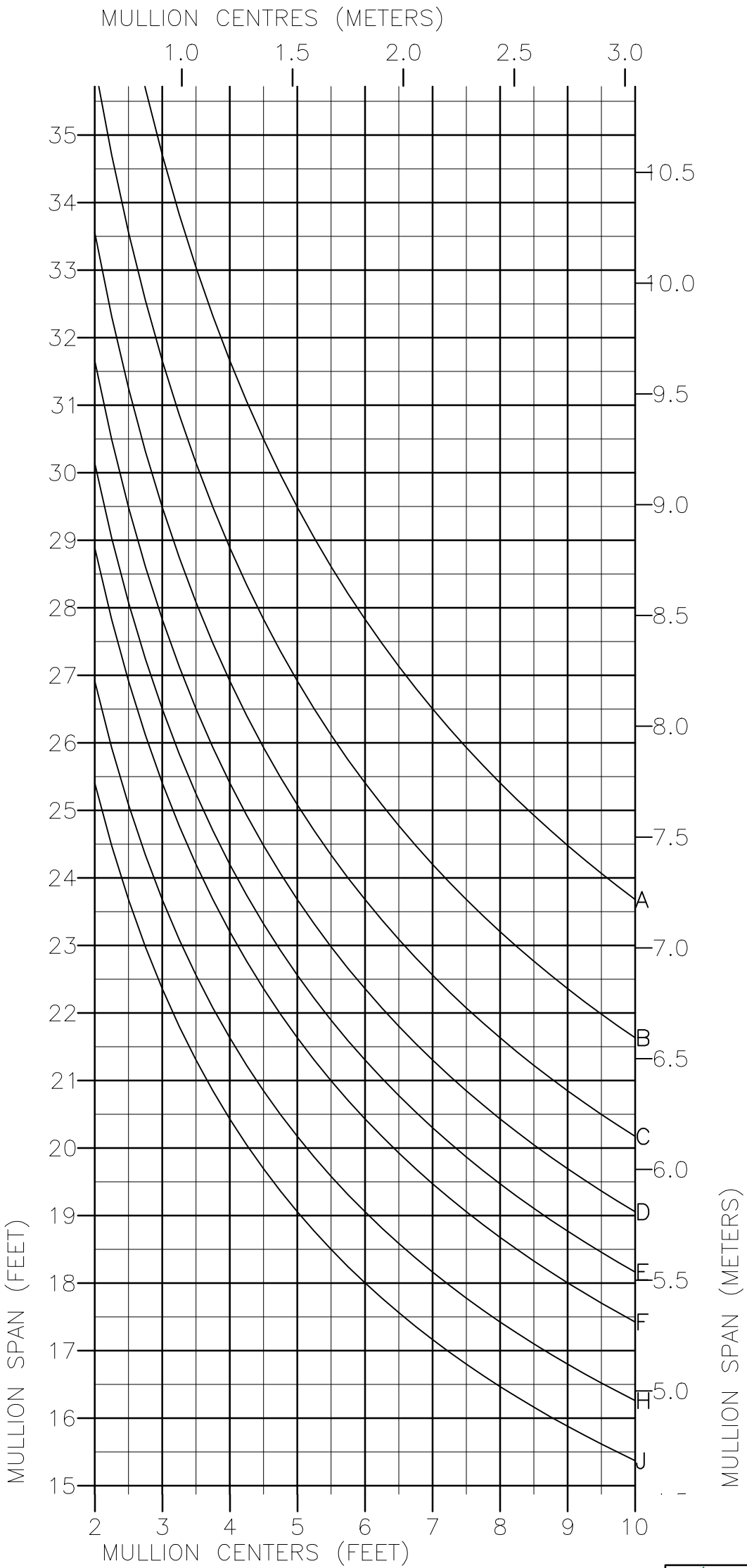
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DEFLECTION CRITERION:  
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SECTION NUMBER:  
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PAGE:



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 $I_x = 36.027 \text{ in}^4$   
 $S_x = 7.644 \text{ in}^3$   
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