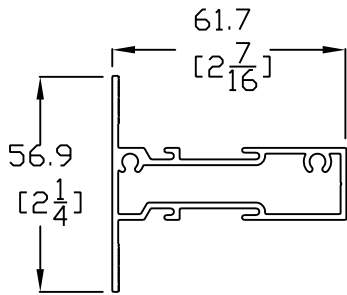
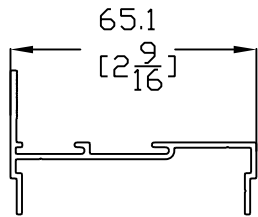


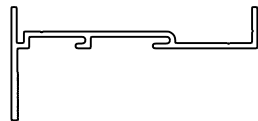
2170



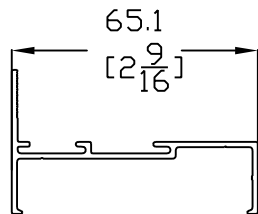
2171



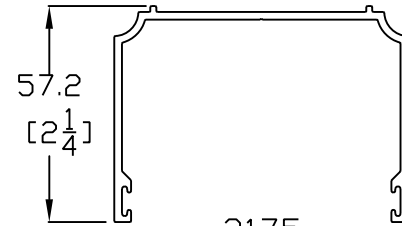
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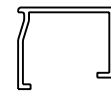
2173



2178

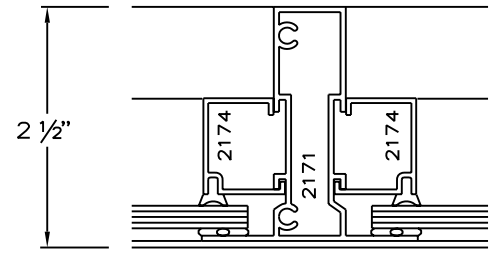
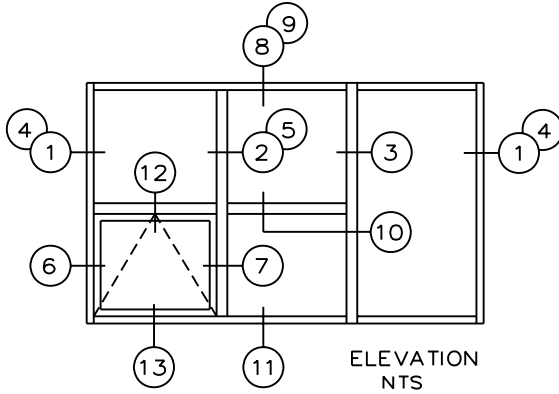


2175



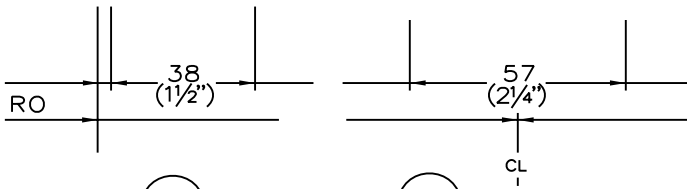
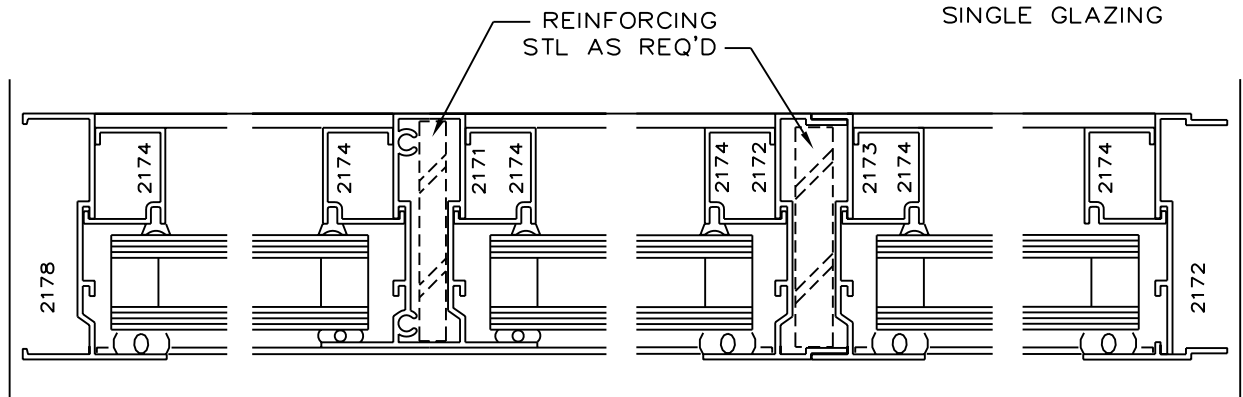
2174

SCALE 1:2



5

V.MULLION  
SINGLE GLAZING



1

JAMB

2

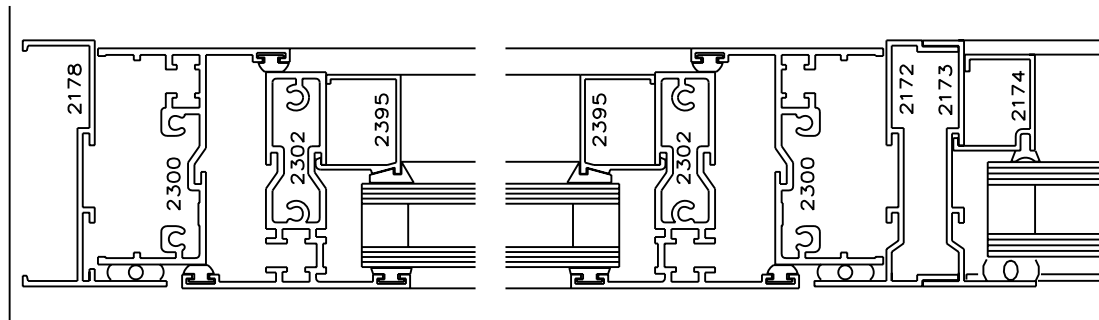
V.MULLION

3

COUPLING  
MULLION

4

JAMB  
ALT.



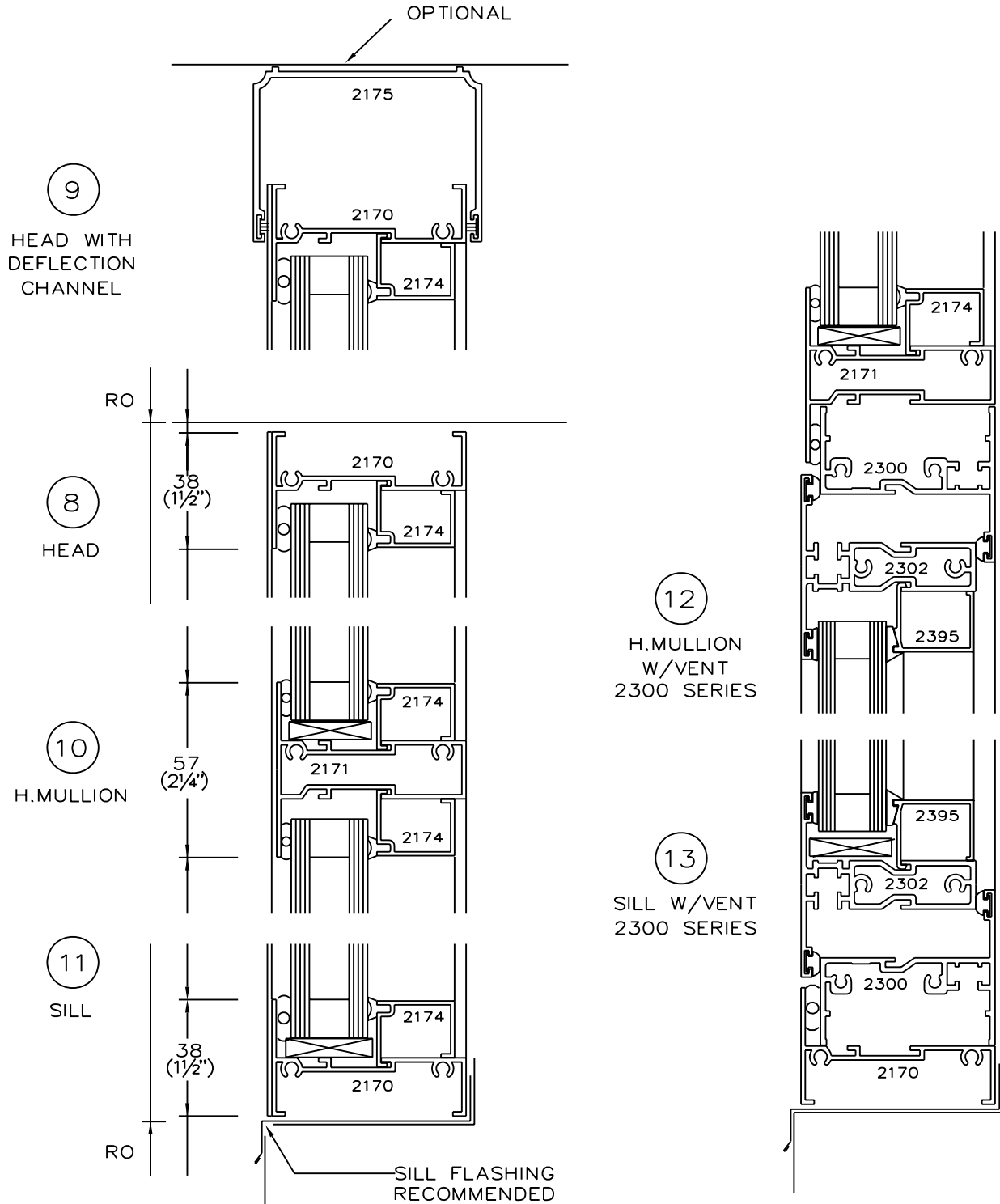
6

JAMB W/VENT  
2300 SERIES

7

V.MULLION  
W/VENT  
2300 SERIES

SCALE 1:2



SCALE 1:2

PROFILE 2171		AA 6063 T5 STL 250 W				
A= 374 mm <sup>2</sup>		I= 182309 mm <sup>4</sup>		S= 4984 mm <sup>3</sup>		
MAX. ALLOWABLE MULLION LENGTH (m/ft) FOR SPECIFIED WIND LOAD						
SPACING	0.72 kPa 15 PSF	0.96 kPa 20 PSF	1.20 kPa 25 PSF	1.44 kPa 30 PSF	1.68 kPa 35 PSF	1.91 kPa 40 PSF
.45 m	2.60	2.35	2.20	2.00	1.85	1.75
1.5'	8.5	7.7	7.2	6.6	6.1	5.7
.60 m	2.35	2.15	1.90	1.75	1.60	1.50
2.0'	7.7	7.1	6.2	5.7	5.2	4.9
.75 m	2.20	1.90	1.70	1.55	1.45	1.35
2.5'	7.2	6.2	5.6	5.1	4.8	4.4
.90 m	2.00	1.75	1.55	1.40	1.30	1.25
3.0'	6.6	5.7	5.1	4.6	4.3	4.1
1.05 m	1.85	1.60	1.45	1.30	1.20	1.15
3.5'	6.1	5.2	4.8	4.3	3.9	3.8
1.20 m	1.75	1.50	1.35	1.25	1.15	1.05
4.0'	5.7	4.9	4.4	4.1	3.8	3.4
1.35 m	1.65	1.40	1.25	1.15	1.05	1.00
4.5'	5.4	4.6	4.1	3.8	3.4	3.3
1.50 m	1.55	1.35	1.20	1.10	1.00	0.95
5.0'	5.1	4.4	3.9	3.6	3.3	3.1
1.65 m	1.50	1.30	1.15	1.05	0.95	0.90
5.5'	4.9	4.3	3.8	3.4	3.1	3.0
1.80 m	1.40	1.25	1.10	1.00	0.95	0.85
6.0'	4.6	4.1	3.6	3.3	3.1	2.8
1.95 m	1.35	1.20	1.05	0.95	0.90	0.85
6.5'	4.4	3.9	3.4	3.1	3.0	2.8
2.10 m	1.30	1.15	1.00	0.95	0.85	0.80
7.0'	4.3	3.8	3.3	3.1	2.8	2.6
2.25 m	1.25	1.10	1.00	0.90	0.85	0.80
7.5'	4.1	3.6	3.3	3.0	2.8	2.6
2.40 m	1.25	1.05	0.95	0.85	0.80	0.75
8.0'	4.1	3.4	3.1	2.8	2.6	2.5

PROFILE 2171 WITH 1/4" x 2 1/4" STL BAR		AA 6063 T5 STL 250 W				
A= 374 mm <sup>2</sup>		I= 464520 mm <sup>4</sup>		S= 12841 mm <sup>3</sup>		
MAX. ALLOWABLE MULLION LENGTH (m/ft) FOR SPECIFIED WIND LOAD						
SPACING	0.72 kPa 15 PSF	0.96 kPa 20 PSF	1.20 kPa 25 PSF	1.44 kPa 30 PSF	1.68 kPa 35 PSF	1.91 kPa 40 PSF
.45 m	3.55	3.20	3.00	2.80	2.65	2.55
1.5'	11.6	10.5	9.8	9.2	8.7	8.4
.60 m	3.20	2.90	2.70	2.55	2.40	2.30
2.0'	10.5	9.5	8.9	8.4	7.9	7.5
.75 m	3.00	2.70	2.50	2.35	2.25	2.15
2.5'	9.8	8.9	8.2	7.7	7.4	7.1
.90 m	2.80	2.55	2.35	2.20	2.10	2.00
3.0'	9.2	8.4	7.7	7.2	6.9	6.6
1.05 m	2.65	2.40	2.25	2.10	1.95	1.85
3.5'	8.7	7.9	7.4	6.9	6.4	6.1
1.20 m	2.55	2.30	2.15	2.00	1.85	1.70
4.0'	8.4	7.5	7.1	6.6	6.1	5.6
1.35 m	2.45	2.20	2.05	1.85	1.70	1.60
4.5'	8.0	7.2	6.7	6.1	5.6	5.2
1.50 m	2.35	2.15	1.95	1.75	1.65	1.55
5.0'	7.7	7.1	6.4	5.7	5.4	5.1
1.65 m	2.30	2.05	1.85	1.70	1.55	1.45
5.5'	7.5	6.7	6.1	5.6	5.1	4.8
1.80 m	2.20	2.00	1.75	1.60	1.50	1.40
6.0'	7.2	6.6	5.7	5.2	4.9	4.6
1.95 m	2.15	1.90	1.70	1.55	1.45	1.35
6.5'	7.1	6.2	5.6	5.1	4.8	4.4
2.10 m	2.10	1.85	1.65	1.50	1.40	1.30
7.0'	6.9	6.1	5.4	4.9	4.6	4.3
2.25 m	2.05	1.75	1.60	1.45	1.35	1.25
7.5'	6.7	5.7	5.2	4.8	4.4	4.1
2.40 m	2.00	1.70	1.55	1.40	1.30	1.20
8.0'	6.6	5.6	5.1	4.6	4.3	3.9

 m  
ft

DEAD LOAD CAPACITY FOR 25mm (1") UNITS WITH TWO 6mm (1/4") GLASS PANES MAXIMUM DEFLECTION 3.2mm (1/8")								
HORIZONTAL MULLION PROFILE:		2171		I= 40803 mm <sup>4</sup> (0.098 in <sup>4</sup> )		S= 5185 mm <sup>3</sup> (0.316 in <sup>3</sup> )		
VERTICAL MULLION SPACING	0.60m 2.0'	0.75m 2.5'	0.90m 3.0'	1.05m 3.5'	1.20m 4.0'	1.35m 4.5'	1.50m 5.0'	1.65m 5.5'
1 GLASS HEIGHT	3.65	3.00	1.45	0.78	0.46	0.29		
SUPPORT @ 1/4	12.00	9.84	4.74	2.56	1.50	0.94		
2 GLASS HEIGHT	3.65	3.65	2.71	1.46	0.86	0.53	0.35	0.24
SUPPORT @ 1/8	12.00	12.00	8.88	4.79	2.81	1.75	1.15	0.79

 1/ BASED ON L/175 MAX ALLOWABLE DEFLECTION  
OR F<sub>y</sub> = 110 MPa FOR AA 6063 T5

2/ FOR ESTIMATING PURPOSES ONLY


**A.T. MARCK & ASSOCIATES**  
 BUILDING SYSTEMS ENGINEERING LTD.  
 TEL/FAX (604) 469-6566

- 1 SETTING BLOCKS CENTERED AT GLASS WIDTH QUARTER POINTS
- 2 SETTING BLOCKS CENTERED AT GLASS WIDTH ONE-EIGHT POINTS  
SETTING BLOCKS ARE EQUIDISTANT FROM THE GLASS CENTER LINE

# C-1.10