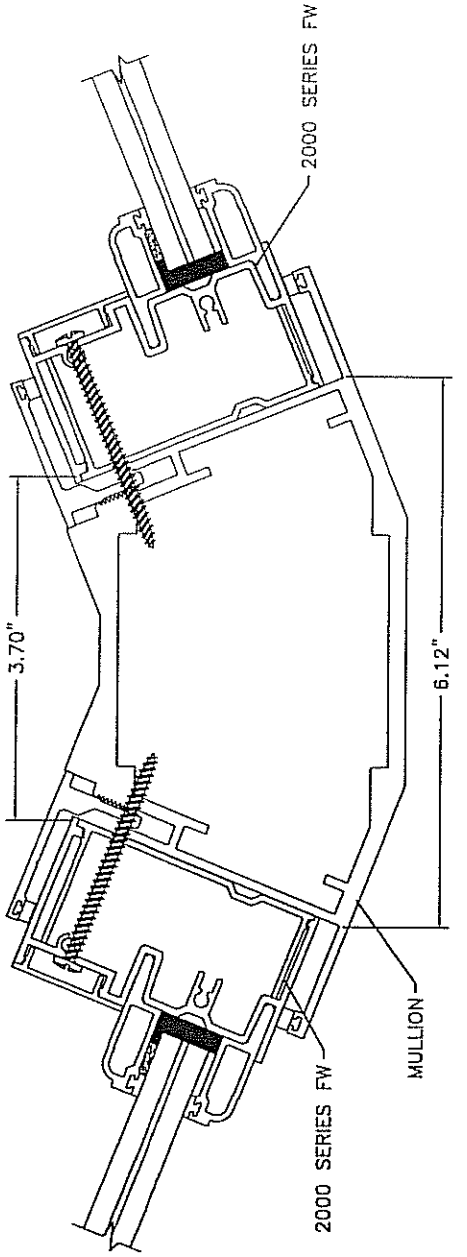
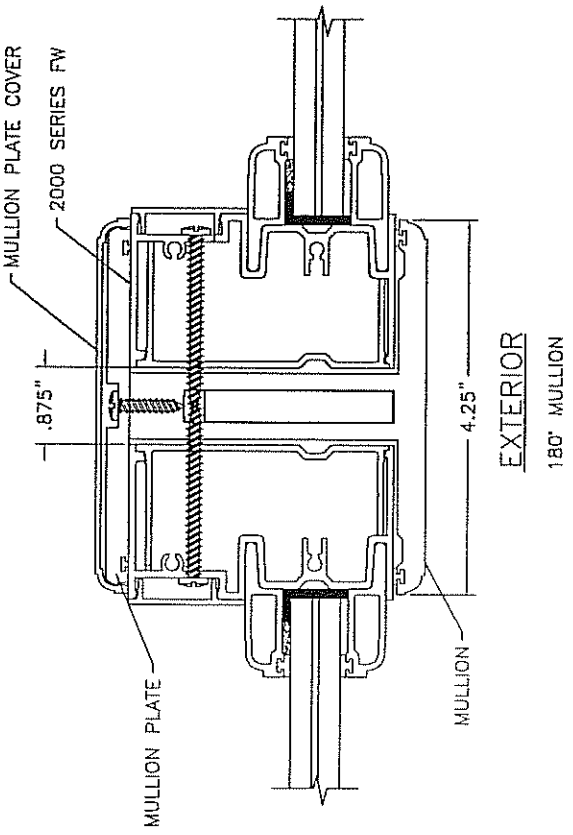


ALL WinDoor 2000 SERIES MULLIONS ARE LISTED ON THE FLORIDA BUILDING COMMISSION STATEWIDE PRODUCT APPROVAL WEBSITE, SEE BELOW FOR APPROVAL NUMBERS.

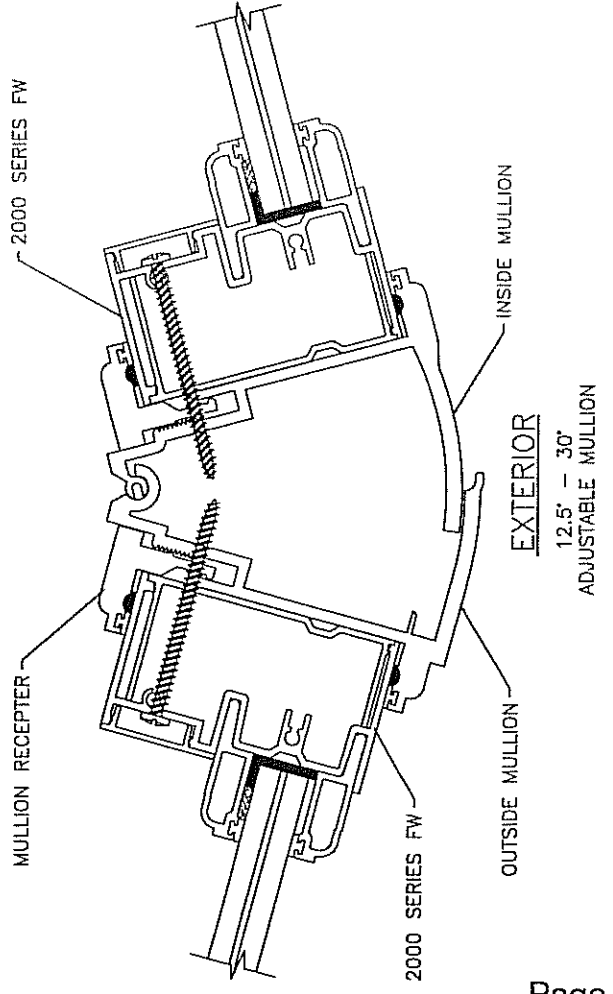
- FL 7213.4 - 135' MULLION
- FL 7213.5 - 180' MULLION
- FL 7213.6 - ADJUSTABLE MULLION



EXTERIOR  
135' MULLION



EXTERIOR  
180' MULLION



EXTERIOR  
12.5' - 30'  
ADJUSTABLE MULLION

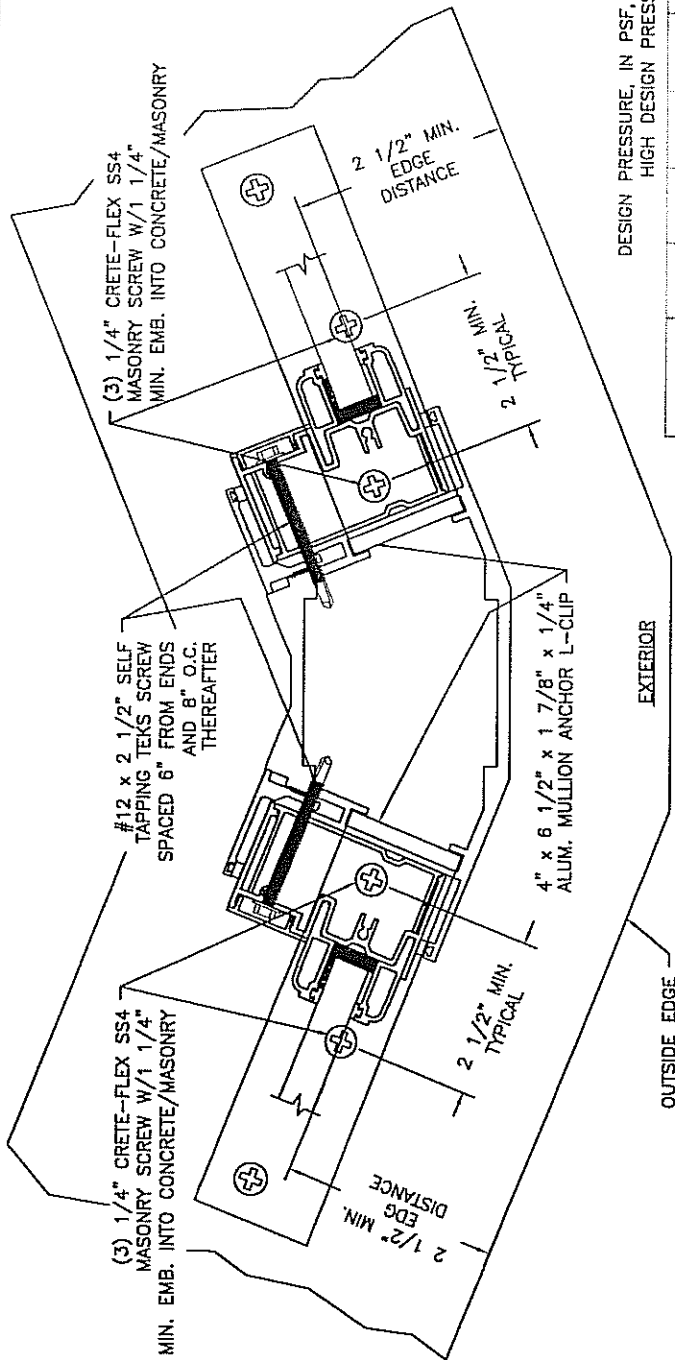
**WinDoor**  
INCORPORATED

7500 AMSTERDAM DRIVE  
ORLANDO, FL 32832  
Phone: 407.481.8400  
Fax: 407.481.0505  
www.windoorinc.com

Dwg Title: 2000 SERIES - MULLION OPTIONS  
135', 180' & 12.5' - 30' ADJUSTABLE

SIZE	Drn By:	DWG NO.	REV
-	TJH	05-08-1091	-

SCALE N.T.S. DATE: 8/11/05 SHEET 1 of 1



DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART  
HIGH DESIGN PRESSURE CHART, SEE NOTE 7

MULLION SPAN V	24.0	30.0	36.0	42.0	48.0	54.0	60.0	60.0	60.0	72.0	72.0	FROM 75.0 TO 146.0
42.0												
48.0												
54.0												
60.0												
66.0												
72.0												
78.0												
84.0												
90.0												
96.0												
102.0												
108.0												
114.0												
120.0												

- NOTES:
- THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE.
  - MASONRY OPENING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE MASONRY OPENING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  - THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 298.125".
  - FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WinDoor DRAWING WIND00091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND00085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND00086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE LOWER DESIGN PRESSURE OF THE WINDOW OR THE MULLION WILL GOVERN THE DESIGN PRESSURE FOR THE MULLED UNIT.
  - DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
  - DESIGN PRESSURES IN THE CHART ARE BASED ON USING (6) ELCO CRETE-FLEX SS4 MASONRY SCREWS ATTACHING THE MULL CLIPS TO THE SUBSTRATE AT EACH END OF THE MULLION. THE DESIGN PRESSURES ARE BASED ON THE COMPARATIVE ANALYSIS OF THE MULLION AND ANCHOR CAPACITY. FOR LOWER DESIGN PRESSURES AND (4) ANCHORS ATTACHING THE MULL CLIPS SEE DRAWING 05-08-1106.
  - IF THE WINDOW SIZE THAT YOU ARE USING IN THE CHART DOES NOT HAVE A DESIGN PRESSURE IN IT, SEE DRAWING 05-12-1373 SHEET 2 FOR DESIGN PRESSURE.
  - THIS DRAWING ONLY ADDRESSES THE ANCHORING OF THE MULLION L-CLIP TO THE SUBSTRATE AT THE HEAD AND SILL AND THE ANCHORING OF THE WINDOW JAMB TO THE MULLION. SEE DRAWINGS CALLED OUT IN NOTES 4 & 5 FOR THE HEAD, SILL AND JAMB ANCHORING OF EACH SINGLE WINDOW TO THE SUBSTRATE IN THE MULLED UNIT.

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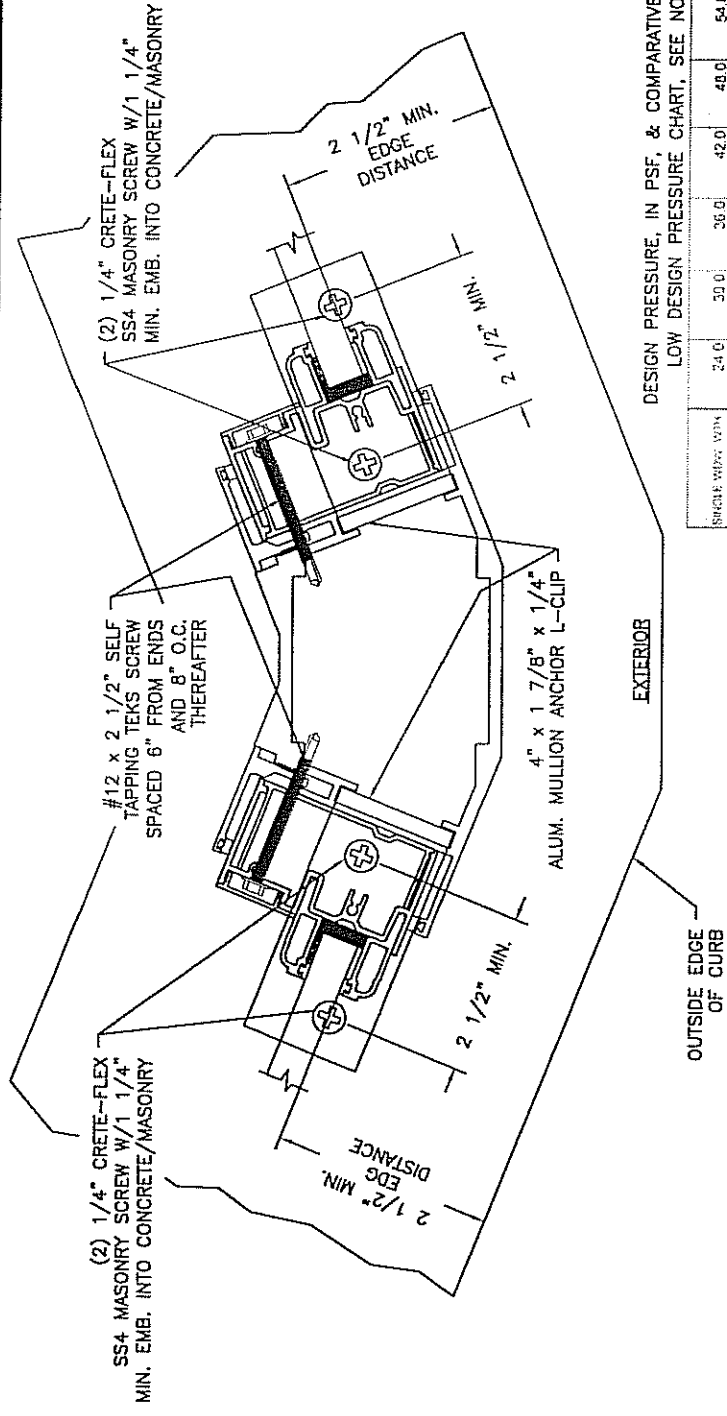
www.windowinc.com

Dwg Title:

2000 SERIES - 135' MULLION INSTALLATION DETAIL  
MASONRY/CONCRETE HIGH DESIGN PRESSURE LOADS

SIZE Dm By: TJH DWG NO. 05-12-1373 REV -

SCALE N.T.S. DATE: 12/30/05 SHEET 1 of 2



DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART  
LOW DESIGN PRESSURE CHART, SEE NOTE 7 BELOW

SINGLE WIND. WITH MULLION SPAN	DESIGN PRESSURE (PSF)										WIDTHS FROM 78.0 TO 148.0
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	
42.0	200	200	200	200	200	200	200	200	200	200	200
48.0	200	200	200	200	200	200	200	200	200	200	200
54.0	200	200	200	200	200	200	200	200	200	200	200
60.0	200	200	200	200	200	200	200	200	200	200	200
66.0	200	200	200	200	188	180	176	174	174	174	174
72.0	200	200	195	177	165	156	150	147	148	148	148
78.0	200	200	178	158	146	138	132	128	125	125	125
84.0	200	163	160	143	132	123	117	112	110	110	110
90.0	200	158	146	131	120	111	105	101	97	97	97
96.0	193	155	135	120	110	102	96	91	88	88	88
102.0	175	145	125	111	101	93	88	81	81	81	81
108.0	165	136	117	104	94	86	81	75	75	75	75
114.0	155	128	110	97	89	80	75	70	70	70	70
120.0	146	120	103	91	82	75	70	70	70	70	70

- NOTES:
1. THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE. MASONRY OPENING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE MASONRY OPENING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  2. THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 298.125".
  3. FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT.
  4. THE DESIGN PRESSURES SHOWN IN THE CHART ABOVE ARE ONLY FOR THE MULLION AND MULLION CLIP ANCHORS. SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE LOWER DESIGN PRESSURE OF THE WINDOW OR THE MULLION WILL GOVERN THE DESIGN PRESSURE FOR THE MULLED UNIT.
  5. DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
  6. DESIGN PRESSURES IN CHART ARE BASED ON USING (4) ELCO CRETE-FLEX SS4 MASONRY SCREWS ATTACHING THE MULL CLIPS TO THE SUBSTRATE AT EACH END OF THE MULLION. THE DESIGN PRESSURES ARE LIMITED BY THE CAPACITY OF THE ANCHORS. FOR HIGHER DESIGN PRESSURES SEE DRAWING 05-12-1373 SHEET 1.
  7. THIS DRAWING ONLY ADDRESSES THE ANCHORING OF THE MULLION L-CLIPS TO THE SUBSTRATE AT THE HEAD AND SILL AND THE ANCHORING OF THE WINDOW JAMB TO THE MULLION. SEE DRAWINGS CALLED OUT IN NOTES 4 & 5 FOR THE HEAD, SILL AND JAMB ANCHORING OF EACH SINGLE WINDOW TO THE SUBSTRATE IN THE MULLED UNIT.

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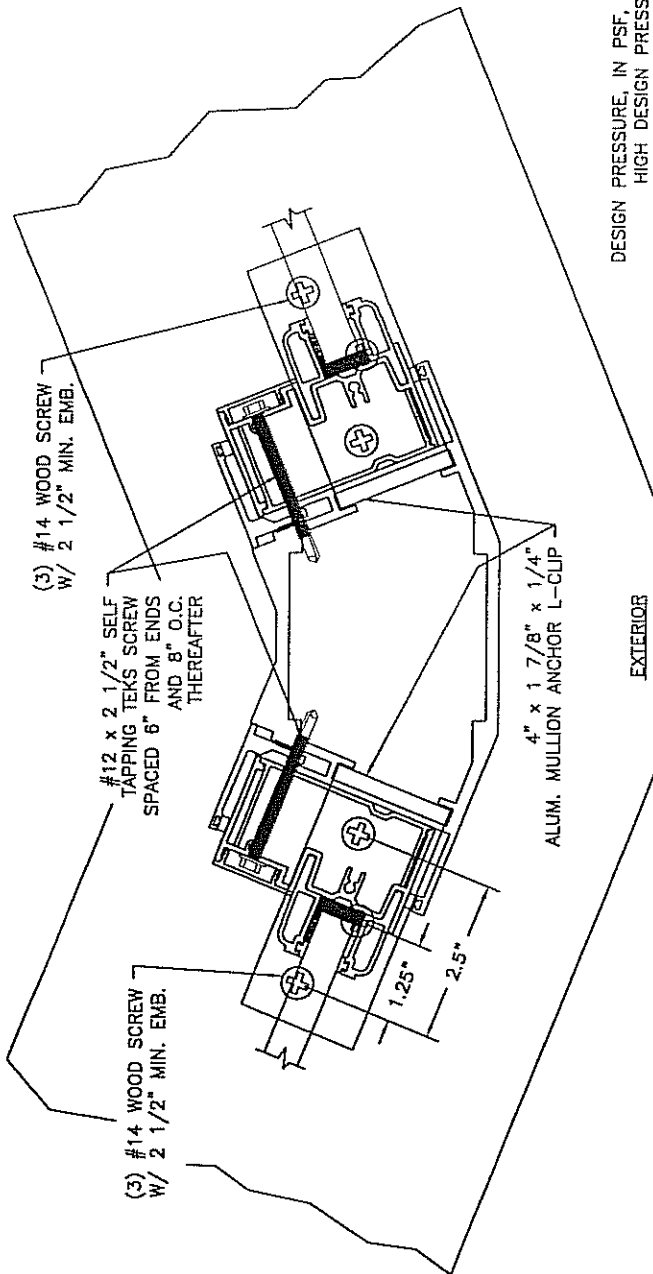
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Dwg Title:  
2000 SERIES - 135' MULLION INSTALLATION DETAIL  
MASONRY/CONCRETE LOW DESIGN PRESSURE LOADS

SIZE: Drn By: DWG NO. 05-12-1373 REV -  
TJH

SCALE N.T.S. DATE: 12/30/05 SHEET 2 of 2



DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART  
HIGH DESIGN PRESSURE CHART, SEE NOTE 7

SINGLE WOOD WITH MULL SPAN Y	24.0	30.0	35.0	42.0	48.0	54.0	60.0	66.0	72.0	WIDTHS FROM 78.0 TO 146.0
42.0										200
46.0										200
54.0										
60.0										
66.0										
72.0					200	200	200	200	200	200
78.0				200	200	200	200	200	200	200
84.0			200	200	200	200	200	197	192	
90.0		200	200	200	200	195	184	176	170	
96.0		200	200	200	192	178	167	159	153	
102.0		200	200	195	177	163	153			
108.0	200	200	199	177	160	146	138			
114.0	200	200	177	157	142	130	121			
120.0	200	161	155	137	124	113	105			

- NOTES:
1. THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE. WOOD FRAMING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE WOOD FRAMING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  2. THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 298.125". FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WindDoor DRAWING WIND0085 SHEETS 1-7 OF 7, NON-IMPACT, WindDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WindDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE DESIGN PRESSURES SHOWN IN THE CHART ARE ONLY FOR THE MULLION AND MULLION CLIP ANCHORS. SEE WIND0085 SHEETS 1-7 OF 7, NON-IMPACT, WindDoor DRAWING WIND0085 SHEETS 1-7 OF 7, NON-IMPACT AND WindDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WindDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE LOWER DESIGN PRESSURE OF THE WINDOW OR THE MULLION WILL GOVERN THE DESIGN PRESSURE FOR THE MULLED UNIT.
  3. DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
  4. DESIGN PRESSURES IN CHART ARE BASED ON USING (6) WOOD SCREWS ATTACHING THE MULL CLIPS TO THE SUBSTRATE AT EACH END OF THE MULLION. THE DESIGN PRESSURES ARE BASED ON THE COMPARATIVE ANALYSIS OF THE MULLION AND ANCHOR CAPACITY FOR LOWER DESIGN PRESSURES SEE DRAWING 05-12-1374 SHEET 2.
  5. IF THE WINDOW SIZE THAT YOU ARE USING IN THE CHART DOES NOT HAVE A DESIGN PRESSURE IN IT, SEE DRAWING 05-12-1374 SHEET 2 FOR DESIGN PRESSURE.
  6. THIS DRAWING ONLY ADDRESSES THE ANCHORING OF THE MULLION L-CLIP TO THE SUBSTRATE AT THE HEAD AND SILL AND THE ANCHORING OF THE WINDOW JAMB TO THE MULLION. SEE DRAWINGS CALLED OUT IN NOTES 4 & 5 FOR THE HEAD, SILL AND JAMB ANCHORING OF EACH SINGLE WINDOW TO THE SUBSTRATE IN THE MULLED UNIT.

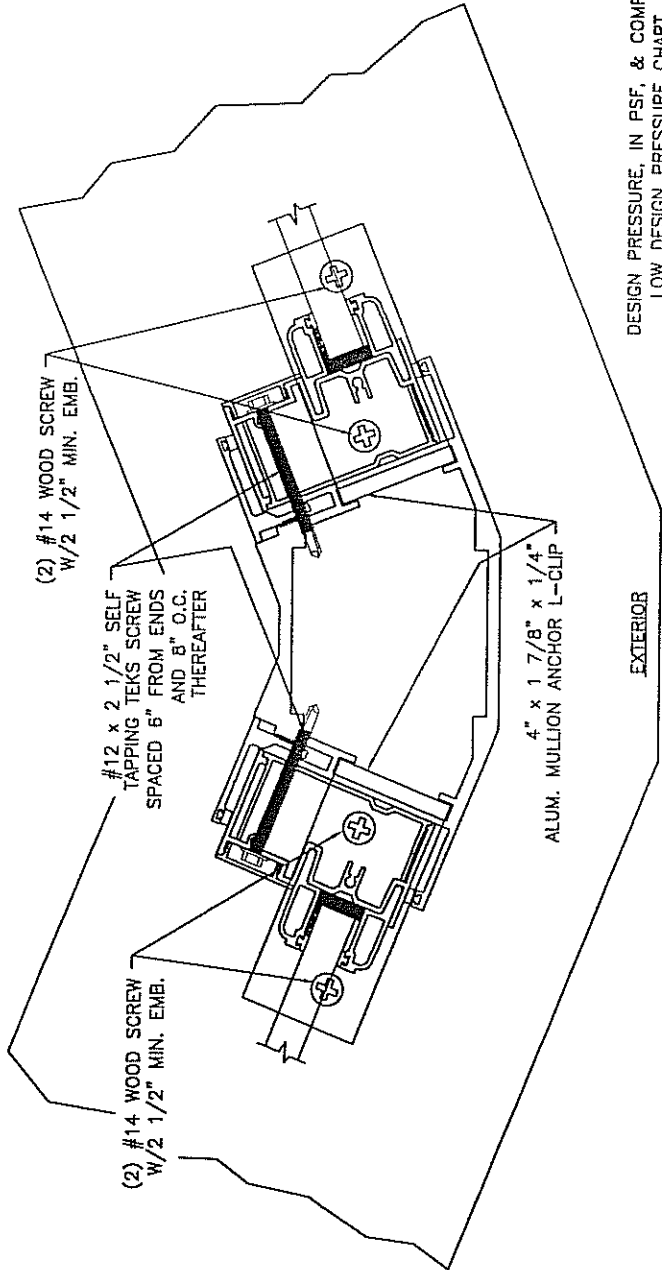
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Dwg Title:  
2000 SERIES - 135' MULLION INSTALLATION DETAIL  
WOOD FRAMING HIGH DESIGN PRESSURE LOADS

SIZE: -  
Dwn By: TJH  
DWG NO.: 05-12-1374  
REV: -

SCALE: N.T.S. DATE: 12/30/05 SHEET: 1 of 2



DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART  
LOW DESIGN PRESSURE CHART, SEE NOTE 7 BELOW

SPRINGLE WIND W/TH MULL CLIP ANCHOR	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	WIDTHS FROM 78.0 TO 148.0
42.0	200	200	200	200	200	200	200	200	200	200
48.0	200	200	200	200	200	200	200	200	200	200
54.0	200	200	200	200	200	200	200	200	200	200
60.0	200	200	200	200	200	200	200	200	200	200
66.0	200	200	200	200	200	200	200	200	200	200
72.0	200	200	200	200	200	200	200	200	200	200
78.0	200	200	200	200	184	170	160	153	148	148
84.0	200	200	195	187	153	143	136	131	128	128
90.0	200	200	196	170	152	134	122	117	113	113
96.0	200	192	157	140	129	118	111	106	102	102
102.0	200	169	146	130	118	109	102	94	87	87
108.0	192	159	135	121	109	101	94	87	81	81
114.0	180	149	128	113	102	94	87	81	75	75
120.0	170	140	120	105	95	88	81	75	70	70

- NOTES:
1. THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE. THE WOOD FRAMING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE WOOD FRAMING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  2. THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 298.125".
  3. FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT.
  4. THE DESIGN PRESSURES SHOWN IN THE CHART ARE ONLY FOR THE MULLION AND MULLION CLIP ANCHORS. SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE LOWER DESIGN PRESSURE OF THE WINDOW OR THE MULLION WILL GOVERN THE DESIGN PRESSURE FOR THE MULLED UNIT.
  5. DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
  6. DESIGN PRESSURES IN CHART ARE BASED ON USING (4) WOOD SCREWS ATTACHING THE MULL CLIPS TO THE SUBSTRATE AT EACH END OF THE MULLION. THE DESIGN PRESSURES ARE LIMITED BY THE CAPACITY OF THE ANCHORS. FOR HIGHER DESIGN PRESSURES SEE DRAWING 05-12-1374 SHEET 1.
  7. THIS DRAWING ONLY ADDRESSES THE ANCHORING OF THE MULLION L-CLIP TO THE SUBSTRATE AT THE HEAD AND SILL AND THE ANCHORING OF THE WINDOW JAMB TO THE MULLION. SEE DRAWINGS CALLED OUT IN NOTES 4 & 5 FOR THE HEAD, SILL AND JAMB ANCHORING OF EACH SINGLE WINDOW TO THE SUBSTRATE IN THE MULLED UNIT.

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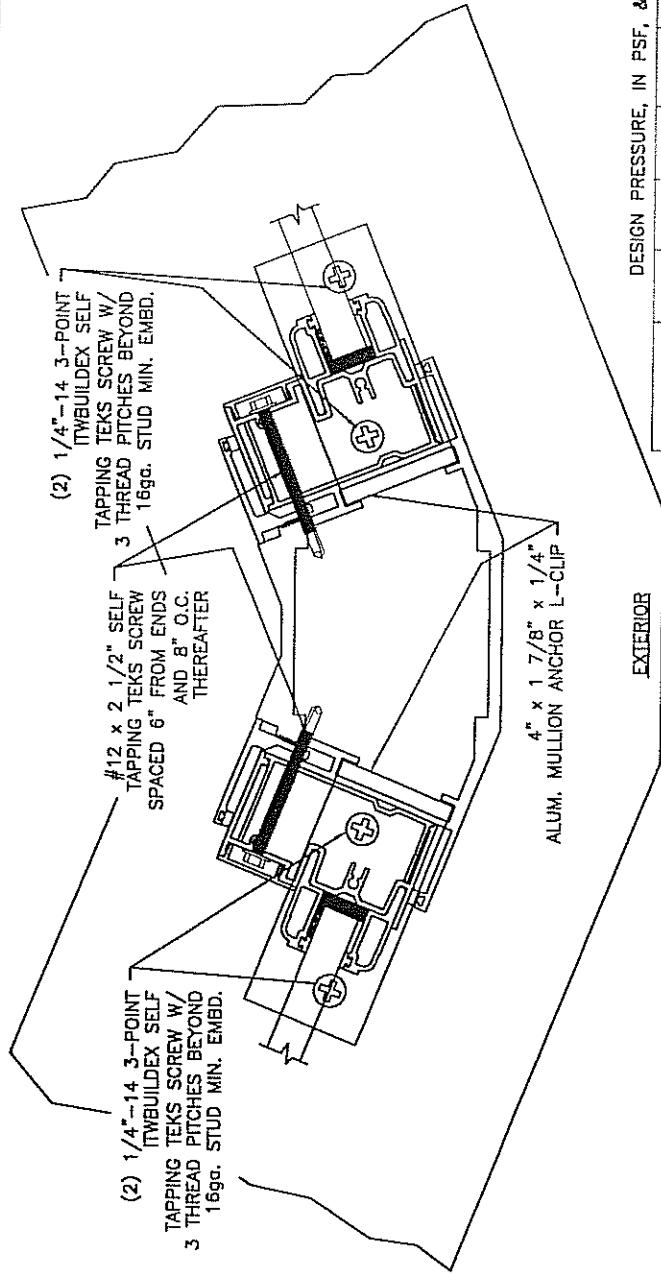
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Dwg Title:

2000 SERIES -- 135" MULLION INSTALLATION DETAIL  
WOOD FRAMING LOW DESIGN PRESSURE LOADS

SIZE Dwn By: TJH DWG NO. 05-12-1374 REV -

SCALE N.T.S. DATE: 12/30/05 SHEET 2 of 2



DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART

SINGLE WDW WITH MULL SPALL V	24.0	30.0	35.0	42.0	48.0	54.0	60.0	65.000	72.0	WIDTHS FROM 78.0 TO 146.0
42.0	200	200	200	200	200	200	200	200	200	200
48.0	200	200	200	200	200	200	200	200	200	200
54.0	200	200	200	200	200	200	200	200	200	200
60.0	200	200	200	200	200	200	200	200	200	200
66.0	200	200	200	200	200	200	200	200	200	200
72.0	200	200	200	200	200	200	200	200	200	200
78.0	200	200	200	200	200	200	200	200	200	200
84.0	200	200	200	200	200	196	196	179	175	
90.0	200	200	200	200	190	177	168	160	155	
96.0	200	200	200	200	192	182	152	145	140	
102.0	200	200	200	200	177	149	140			
108.0	200	200	185	165	150	138	129			
114.0	200	200	175	154	140	128	120			
120.0	200	181	155	137	124	114	106			

- NOTES:
1. THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE.
  2. STEEL STUD FRAMING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE STEEL STUD FRAMING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  3. THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 298.125".
  4. FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7. NON-IMPACT WinDoor DRAWING WIND0088 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT.
  5. THE DESIGN PRESSURES SHOWN IN THE CHART ARE ONLY FOR THE MULLION AND MULLION CLIP ANCHORS. SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7. NON-IMPACT WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE LOWER DESIGN PRESSURE OF THE WINDOW OR THE MULLION WILL GOVERN THE DESIGN PRESSURE FOR THE MULLED UNIT.
  6. DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
  7. THIS DRAWING ONLY ADDRESSES THE ANCHORING OF THE MULLION L-CLIP TO THE SUBSTRATE AT THE HEAD AND SILL AND THE ANCHORING OF THE WINDOW JAMB TO THE MULLION. SEE DRAWINGS CALLED OUT IN NOTES 4 & 5 FOR THE HEAD, SILL AND JAMB ANCHORING OF EACH SINGLE WINDOW TO THE SUBSTRATE IN THE MULLED UNIT.
  8. WHEN A WOOD BACKER IS EMPLOYED IN THE STEEL FRAME MEMBER REPLACE THE 1/4"-14 3-POINT ITW BUILDDEX SELF TAPPING TEKs SCREW WITH A #14 WOOD SCREW. SEE WinDoor DRAWING 05-12-1374 SHEETS 1 AND 2. WOOD FRAME INSTALLATION, FOR DESIGN PRESSURE AND COMPARATIVE ANALYSIS CHART AND ANCHORING.

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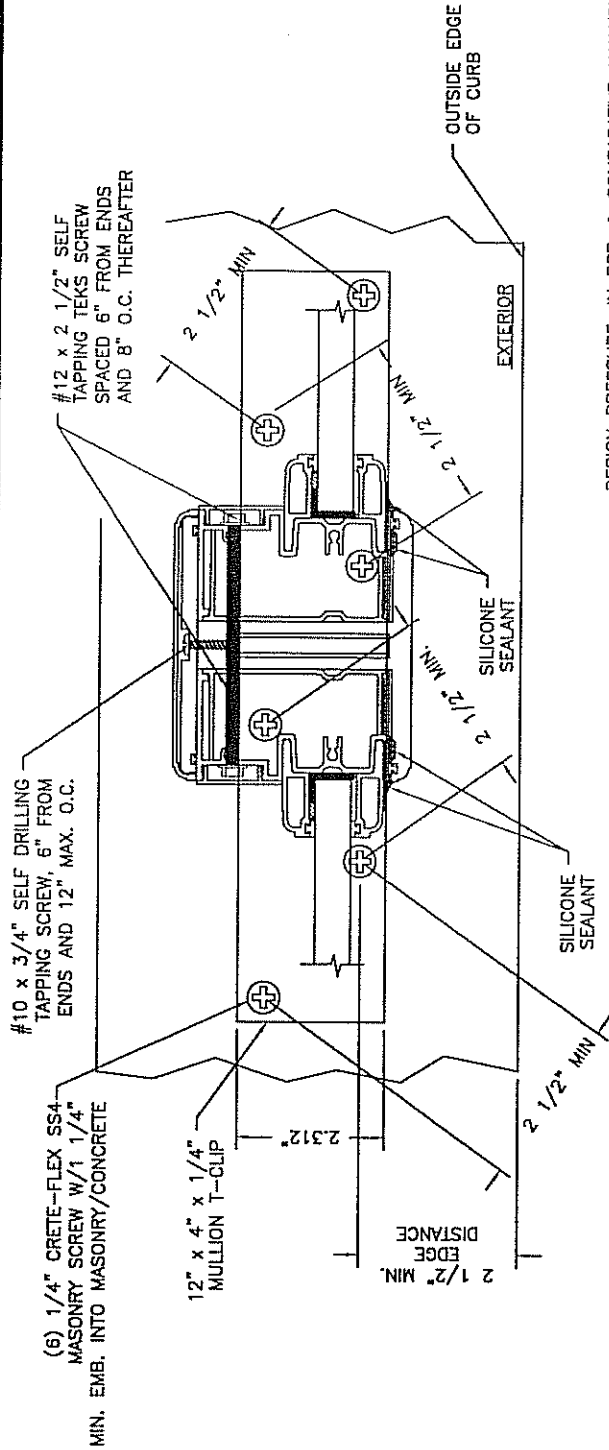
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Dwg Title:

2000 SERIES - 135' MULLION INSTALLATION DETAIL  
STEEL FRAMING DESIGN PRESSURE LOADS

SIZE Dwn By: TJH DWG NO. 05-12-1375 REV -

SCALE N.T.S. DATE: 12/30/05 SHEET 1 of 1



DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART  
HIGH DESIGN PRESSURE CHART, SEE NOTE 7

SINGLE WIDW WTH MULL SPAN V	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	WIDTHS FROM 76.0 TO 146.0
42.0										
48.0										
54.0										
60.0										
66.0					200	200	200	200	200	200
72.0			200	200	200	200	200	200	200	200
78.0			200	200	200	200	200	192	186	
84.0			200	200	198	185	176	169	165	
90.0			200	200	196	180	167	158	151	146
96.0		200	200	181	165	153	144	137		
102.0		200	200	167	152	140	132			
109.0		200	200	156	141	130	121			
114.0		200	183	157	134	126	118	109		
120.0	180	156	134	118	106	98	91			

- NOTES:
1. THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE.
  2. MASONRY OPENING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE MASONRY OPENING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  3. THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 292.75".
  4. FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WinDoor DRAWING WINDOOR091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WINDOOR085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WINDOOR086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT.
  5. THE DESIGN PRESSURES SHOWN IN THE CHART ARE ONLY FOR THE MULLION AND MULLION CLIP ANCHORS. SEE WinDoor DRAWING WINDOOR091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WINDOOR085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT, AND WinDoor DRAWING WINDOOR086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE LOWER DESIGN PRESSURE OF THE WINDOW OR THE MULLION WILL GOVERN THE DESIGN PRESSURE FOR THE MULLED UNIT.
  6. DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
  7. DESIGN PRESSURES IN THE CHART ARE BASED ON USING (6) ELCO CRETE-FLEX SS4 MASONRY SCREWS ATTACHING THE MULL CLIPS TO THE SUBSTRATE AT EACH END OF THE MULLION. THE DESIGN PRESSURES ARE BASED ON THE COMPARATIVE ANALYSIS OF THE MULLION AND ANCHOR CAPACITY. FOR LOWER DESIGN PRESSURES AND (4) ANCHORS ATTACHING THE MULL CLIPS SEE DRAWING 05-12-1370 SHEET 2.
  8. IF THE WINDOW SIZE THAT YOU ARE USING IN THE CHART DOES NOT HAVE A DESIGN PRESSURE IN IT, SEE DRAWING 05-12-1370 SHEET 2 FOR DESIGN PRESSURE.
  9. THIS DRAWING ONLY ADDRESSES THE ANCHORING OF THE MULLION T-CLIP TO THE SUBSTRATE AT THE HEAD AND SILL AND THE ANCHORING OF THE WINDOW JAMB TO THE MULLION. SEE DRAWINGS CALLED OUT IN NOTES 4 & 5 FOR THE HEAD, SILL AND JAMB ANCHORING OF EACH SINGLE WINDOW TO THE SUBSTRATE IN THE MULLED UNIT.

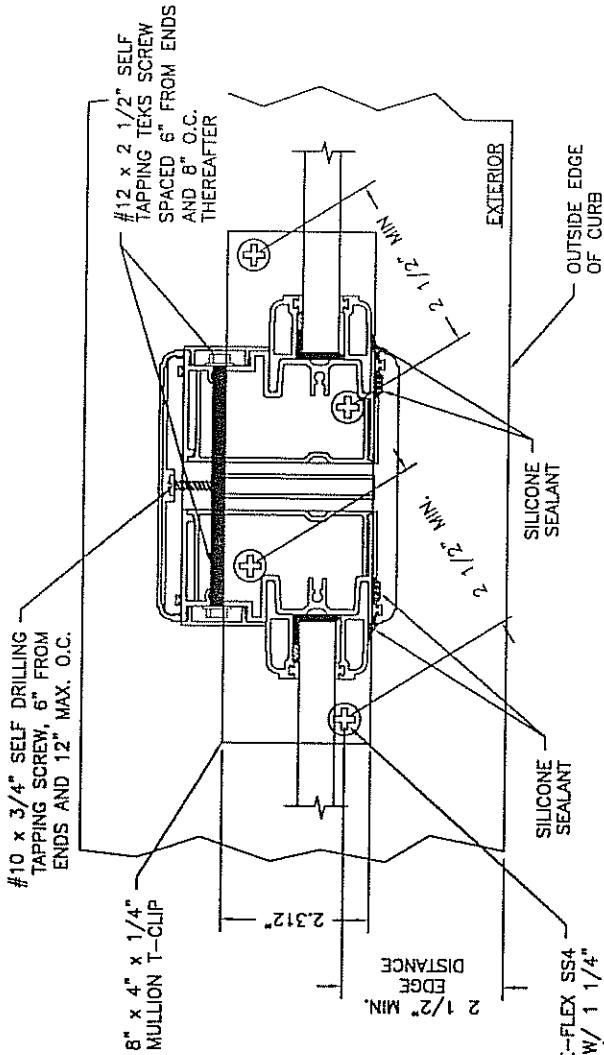
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Dwg Title:  
2000 SERIES - 180" MULLION INSTALLATION DETAIL  
MASONRY/CONCRETE HIGH DESIGN PRESSURE LOADS

SIZE Dwn By: TJH DWG NO. 05-12-1370 REV -

SCALE N.T.S. DATE: 12/30/05 SHEET 1 of 2



(4) 1/4" CRETE-FLEX SS4  
MASONRY SCREW W/ 1 1/4"  
MIN. EMB. INTO MASONRY/CONCRETE

DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART  
LOW DESIGN PRESSURE CHART, SEE NOTE 7 BELOW

SINGLE WIDW WITH MULL SPAN V	24.0	30.0	35.0	42.0	48.0	54.0	60.0	66.0	72.0	WIDTHS FROM 78.0 TO 146.0
42.0	200	200	200	200	200	200	200	200	200	200
48.0	200	200	200	200	200	200	200	200	200	200
54.0	200	200	200	200	200	200	200	200	200	200
60.0	200	200	200	200	200	200	200	200	200	200
66.0	200	200	200	200	188	160	176	174	174	174
72.0	200	200	195	177	165	156	150	147	146	146
78.0	200	200	176	158	146	138	132	128	125	125
84.0	200	183	160	143	132	123	117	112	110	110
90.0	200	169	146	131	120	111	105	101	97	97
96.0	158	156	135	120	110	102	95	91	88	88
102.0	176	146	135	111	101	93	88	84	81	81
108.0	165	136	117	104	94	86	81	78	75	75
114.0	155	128	110	97	88	80	75	72	70	70
120.0	146	120	103	91	82	75	70	67	65	65

- NOTES:
- THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE. MASONRY OPENING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE MASONRY OPENING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  - THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 292.75".
  - FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7. NON-IMPACT, WinDoor DRAWING WIND0088 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE LOWER DESIGN PRESSURE OF THE WINDOW OR THE MULLION WILL GOVERN THE DESIGN PRESSURE FOR THE MULLED UNIT.
  - DESIGN PRESSURES SHOWN IN THE CHART ARE ONLY FOR THE MULLION AND MULLION CLIP ANCHORS. SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7. NON-IMPACT, WinDoor DRAWING WIND0088 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE LOWER DESIGN PRESSURE OF THE WINDOW OR THE MULLION WILL GOVERN THE DESIGN PRESSURE FOR THE MULLED UNIT.
  - DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
  - MASONRY SCREWS ATTACHING THE MULL CLIPS TO THE SUBSTRATE AT EACH END OF THE MULLION, THE DESIGN PRESSURES ARE LIMITED BY THE CAPACITY OF THE ANCHORS. FOR HIGHER DESIGN PRESSURES SEE DRAWING 05-12-1370 SHEET 1. THIS DRAWING ONLY ADDRESSES THE ANCHORING OF THE MULLION T-CLIP TO THE SUBSTRATE AT THE HEAD AND SILL AND THE ANCHORING OF THE WINDOW JAMB TO THE MULLION. SEE DRAWINGS CALLED OUT IN NOTES 4 & 5 FOR THE HEAD, SILL AND JAMB ANCHORING OF EACH SINGLE WINDOW TO THE SUBSTRATE IN THE MULLED UNIT.

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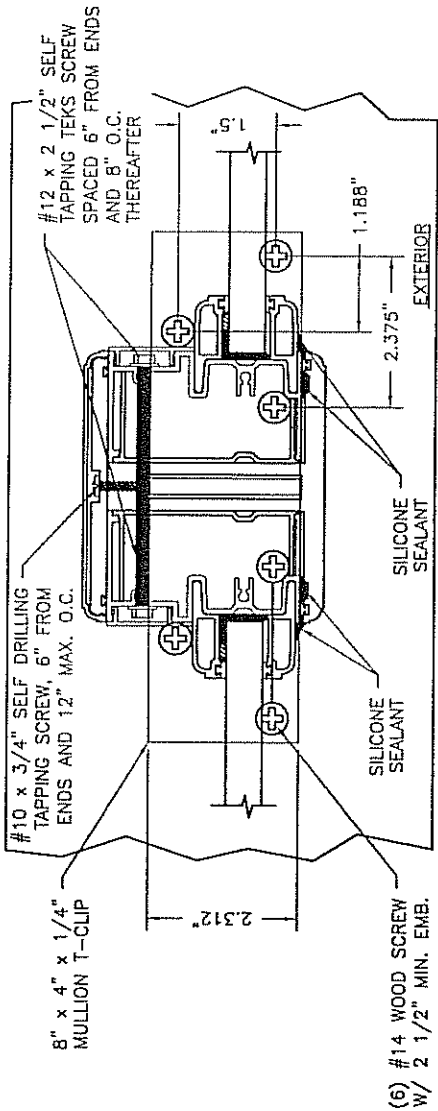
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Dwg Title:

2000 SERIES - 180° MULLION INSTALLATION DETAIL  
MASONRY/CONCRETE LOW DESIGN PRESSURE LOADS

SIZE: Dm By: TJH DWG NO. 05-12-1370 REV -

SCALE N.T.S. DATE: 12/30/05 SHEET 2 of 2



DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART  
HIGH DESIGN PRESSURE CHART, SEE NOTE 7

SINGLE WIND W/ MULL SPAC V	24.0	30.0	35.0	42.0	48.0	54.0	60.0	66.0	72.0	72.0 FROM 78.0 TO 148.0	WIDTHS
42.0											200
48.0											200
54.0											
60.0											
66.0											
72.0					200	200	200	200	200	200	200
78.0				200	200	200	200	200	200	200	200
84.0			200	200	200	200	200	197	192		
90.0		200	200	200	200	195	184	176	170		
96.0		200	200	200	192	178	167	159	153		
102.0		200	200	189	172	159	149				
108.0	200	200	187	166	150	138	129				
114.0	200	183	157	139	126	116	108				
120.0	189	155	134	118	108	98	91				

- NOTES:
- THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE.
  - WOOD FRAMING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE WOOD FRAMING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  - THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 292.75". FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7. NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT.
  - THE DESIGN PRESSURES SHOWN IN THE CHART ARE ONLY FOR THE MULLION AND MULLION CLIP ANCHORS. SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7. NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE LOWER DESIGN PRESSURE OF THE WINDOW OR THE MULLION WILL GOVERN THE DESIGN PRESSURE FOR THE MULLED UNIT.
  - DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
  - DESIGN PRESSURES IN THE CHART ARE BASED ON USING (6) #14 WOOD SCREWS ATTACHING THE MULL CLIP TO THE SUBSTRATE AT EACH END OF THE MULLION. THE DESIGN PRESSURES ARE BASED ON THE COMPARATIVE ANALYSIS OF THE MULLION AND ANCHOR CAPACITY FOR LOWER DESIGN PRESSURES AND (4) ANCHORS ATTACHING THE MULL CLIPS SEE DRAWING 05-12-1371 SHEET 2.
  - IF THE WINDOW SIZE THAT YOU ARE USING IN THE CHART DOES NOT HAVE A DESIGN PRESSURE IN IT, SEE DRAWING 05-12-1371 SHEET 2 FOR DESIGN PRESSURE.
  - THIS DRAWING ONLY ADDRESSES THE ANCHORING OF THE MULLION T-CLIP TO THE SUBSTRATE AT THE HEAD AND SILL AND THE ANCHORING OF THE WINDOW JAMB TO THE MULLION. SEE DRAWINGS CALLED OUT IN NOTES 4 & 5 FOR THE HEAD, SILL, AND JAMB ANCHORING OF EACH SINGLE WINDOW TO THE SUBSTRATE IN THE MULLED UNIT.

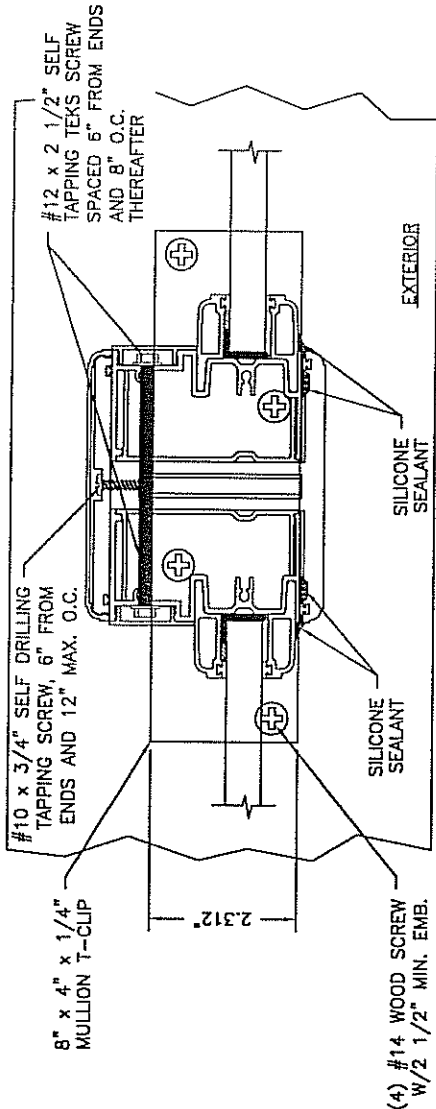
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Dwg Title:  
2000 SERIES - 180° MULLION INSTALLATION DETAIL  
WOOD FRAMING HIGH DESIGN PRESSURE LOADS

SIZE: --  
Dwg No.: 05-12-1371  
REV: --

SCALE: N.T.S. DATE: 12/30/05 SHEET: 1 of 2



SECTION "B"

DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART  
LOW DESIGN PRESSURE CHART, SEE NOTE 7 BELOW

SINGLE WDW WITH MULL SPAN V	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	WIDTHS FROM 78.0 TO 146.0
42.0	200	200	200	200	200	200	200	200	200	200
48.0	200	200	200	200	200	200	200	200	200	200
54.0	200	200	200	200	200	200	200	200	200	200
60.0	200	200	200	200	200	200	200	200	200	200
66.0	200	200	200	200	188	189	176	174	174	
72.0	200	200	195	177	165	156	159	147	146	
78.0	200	200	176	158	146	138	132	128	125	
84.0	200	183	160	143	132	123	117	112	110	
90.0	200	169	146	131	120	111	105	101	97	
96.0	185	156	135	120	110	102	96	91	88	
102.0	176	145	125	111	101	93	86			
108.0	165	136	117	104	94	86	81			
114.0	155	128	110	97	86	80	75			
120.0	145	120	103	91	82	75	70			

- NOTES:
1. THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE.
  2. WOOD FRAMING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE WOOD FRAMING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  3. THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 292.75".
  4. FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT.
  5. THE DESIGN PRESSURES SHOWN IN THE CHART ARE ONLY FOR THE MULLION AND MULLION CLIP ANCHORS. SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE LOWER DESIGN PRESSURE OF THE MULLION OR THE MULLION WILL GOVERN THE DESIGN PRESSURE FOR THE MULLED UNIT.
  6. DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
  7. DESIGN PRESSURES IN CHART ARE BASED ON USING (4) #14 WOOD SCREWS ATTACHING THE MULL CLIPS TO THE SUBSTRATE AT EACH END OF THE MULLION. THE DESIGN PRESSURES ARE LIMITED BY THE CAPACITY OF THE ANCHORS. FOR HIGHER DESIGN PRESSURES SEE DRAWING 05-12-1371 SHEET 1. THIS DRAWING ONLY ADDRESSES THE ANCHORING OF THE MULLION T-CLIP TO THE SUBSTRATE AT THE HEAD AND SILL AND THE ANCHORING OF THE WINDOW JAMB TO THE MULLION. SEE DRAWINGS CALLED OUT IN NOTES 4 & 5 FOR THE HEAD, SILL AND JAMB ANCHORING OF EACH SINGLE WINDOW TO THE SUBSTRATE IN THE MULLED UNIT.

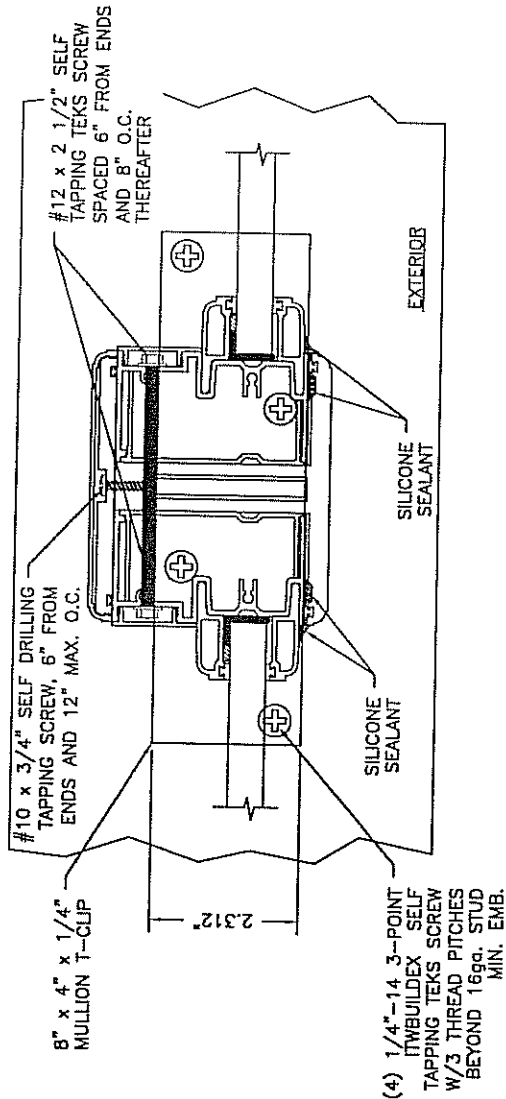
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Dwg Title:  
2000 SERIES - 180° MULLION INSTALLATION DETAIL  
WOOD FRAMING LOW DESIGN PRESSURE LOADS

SIZE: Dm By: DWG NO. 05-12-1371 REV -  
TJH

SCALE: N.T.S. DATE: 12/30/05 SHEET 2 of 2



DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART

SINGLE WDR: W/FI MULL SPAN: V	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	WIDTHS FROM 78.0 TO 146.0
42.0	200	200	200	200	200	200	200	200	200	200
48.0	200	200	200	200	200	200	200	200	200	200
54.0	200	200	200	200	200	200	200	200	200	200
60.0	200	200	200	200	200	200	200	200	200	200
66.0	200	200	200	200	200	200	200	200	200	200
72.0	200	200	200	200	200	200	200	200	200	200
78.0	200	200	200	200	200	200	200	200	200	200
84.0	200	200	200	200	200	200	200	200	200	200
90.0	200	200	200	200	200	200	200	200	200	200
96.0	200	200	200	200	200	200	200	200	200	200
102.0	200	200	200	200	200	200	200	200	200	200
108.0	200	200	200	200	200	200	200	200	200	200
114.0	200	200	200	200	200	200	200	200	200	200
120.0	189	156	134	118	105	98	91			

- NOTES:
- THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE.
  - STEEL STUD FRAMING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE STEEL STUD FRAMING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  - THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 292.75".
  - FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT.
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  - DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
  - THIS DRAWING ONLY ADDRESSES THE ANCHORING OF THE MULLION T-CLIP TO THE SUBSTRATE AT THE HEAD AND SILL AND THE ANCHORING OF THE WINDOW JAMB TO THE MULLION. SEE DRAWINGS CALLED OUT IN NOTES 4 & 5 FOR THE HEAD, SILL AND JAMB ANCHORING OF EACH SINGLE WINDOW TO THE SUBSTRATE IN THE MULLED UNIT.
  - WHEN A WOOD BAKER IS EMPLOYED IN THE STEEL FRAME MEMBER REPLACE THE 1/4"-14 3-POINT ITW BUILDDEX SELF TAPPING TEKs SCREW WITH A #14 WOOD SCREW. SEE WinDoor DRAWING 05-12-1371 SHEETS 1 & 2, WOOD FRAME INSTALLATION, FOR DESIGN PRESSURE AND COMPARATIVE ANALYSIS CHART AND ANCHORING.

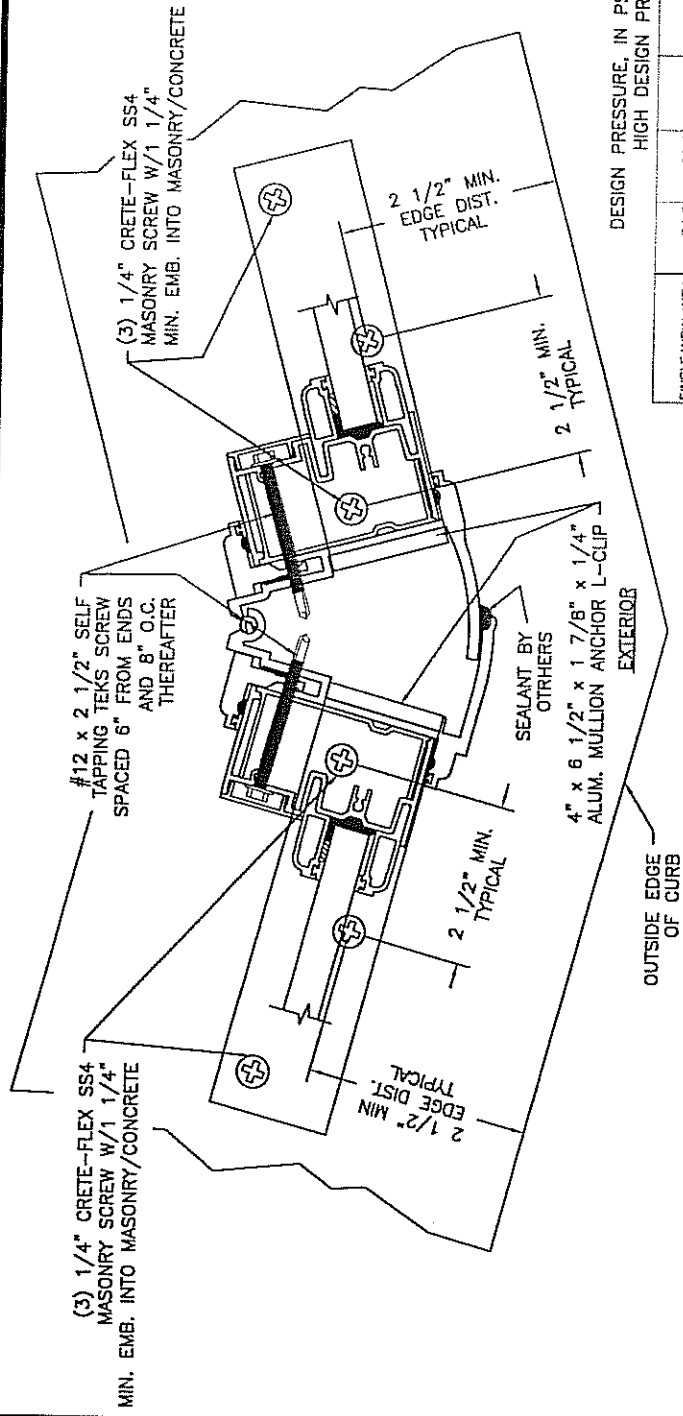
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Dwg Title:  
2000 SERIES - 180" MULLION INSTALLATION DETAIL  
STEEL FRAMING DESIGN PRESSURE LOADS

SIZE Dwn By: DWG NO. REV  
- TJH 05-12-1372 -

SCALE N.T.S. DATE: 12/30/05 SHEET 1 of 1



DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART  
HIGH DESIGN PRESSURE CHART, SEE NOTE 7

SINGLE WDW WITH MULL SPALL V	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0 FROM 78.0 TO 146.0
42.0									
48.0									
54.0									
60.0									
66.0									
72.0									
78.0									
84.0									
90.0									
96.0									
102.0									
108.0									
114.0									
120.0									

- NOTES:
- THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE. MASONRY OPENING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE MASONRY OPENING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  - THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 295.5".
  - FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT.
  - THE DESIGN PRESSURES SHOWN IN THE CHART ARE ONLY FOR THE MULLION AND MULLION CLIP ANCHORS. SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE LOWER DESIGN PRESSURE OF THE WINDOW OR THE MULLION WILL GOVERN THE DESIGN PRESSURE FOR THE MULLED UNIT.
  - DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
  - DESIGN PRESSURES IN THE CHART ARE BASED ON USING (6) ELCO CRETE-FLEX SS4 MASONRY SCREWS ATTACHING THE MULL CLIPS TO THE SUBSTRATE AT EACH END OF THE MULLION. THE DESIGN PRESSURES ARE BASED ON THE COMPARATIVE ANALYSIS OF THE MULLION AND ANCHOR CAPACITY, FOR LOWER DESIGN PRESSURES AND (4) ANCHORS ATTACHING THE MULL CLIPS SEE DRAWING 06-01-1376 SHEET 2.
  - IF THE WINDOW SIZE THAT YOU ARE USING IN THE CHART DOES NOT HAVE A DESIGN PRESSURE IN IT, SEE DRAWING 06-01-1376 SHEET 2 FOR DESIGN PRESSURE. THIS DRAWING ONLY ADDRESSES THE ANCHORING OF THE MULLION L-CLIP TO THE SUBSTRATE AT THE HEAD AND SILL AND THE ANCHORING OF THE WINDOW JAMB TO THE MULLION. SEE DRAWINGS CALLED OUT IN NOTES 4 & 5 FOR THE HEAD, SILL AND JAMB ANCHORING OF EACH SINGLE WINDOW TO THE SUBSTRATE IN THE MULLED UNIT.

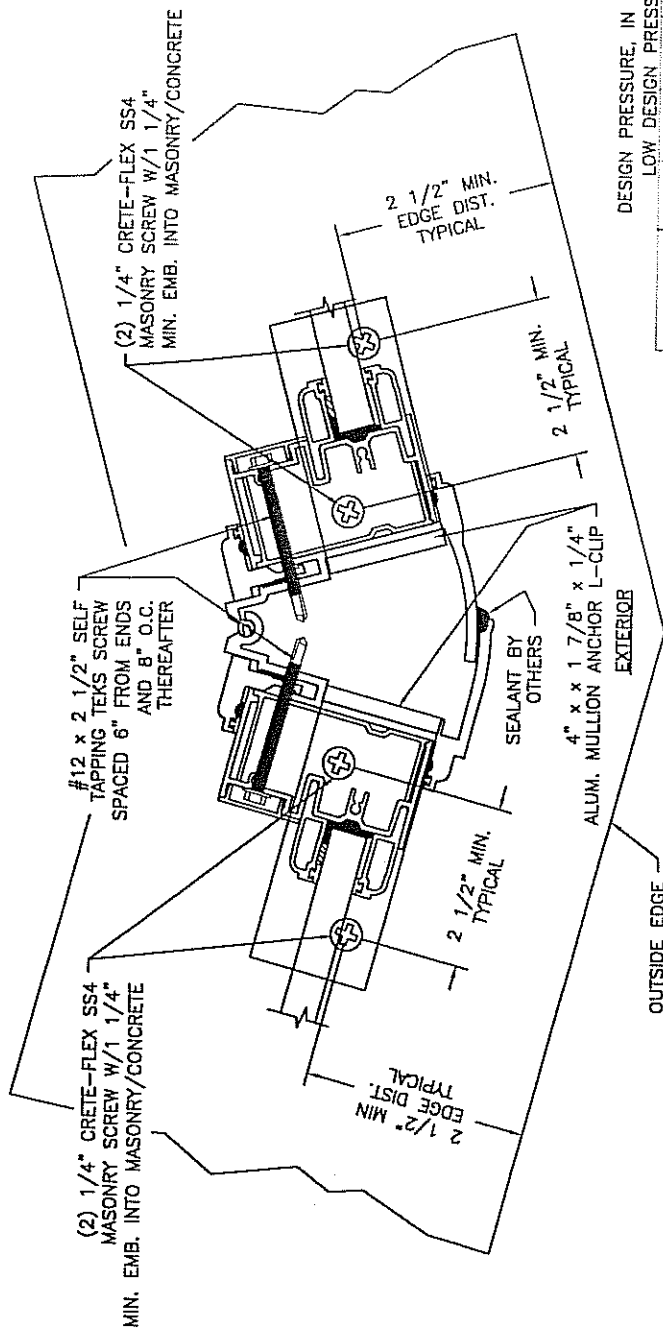
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Dwg Title:  
2000 SERIES - 12.5' - 30' ADJ. MULL INSTAL. DETAIL  
MASONRY/CONCRETE HIGH DESIGN PRESSURE LOADS

SIZE Dwn By: \_\_\_\_\_ DWG NO. 06-01-1376 REV -

SCALE N.T.S. DATE: 01/03/06 SHEET 1 of 2



DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART  
LOW DESIGN PRESSURE CHART, SEE NOTE 7 BELOW

SINGLE WIND. WITH MULL SPAN V	24.0	30.0	35.0	42.0	48.0	54.0	60.0	66.0	72.0	WIDTHS FROM 78.0 TO 146.0
42.0	200	200	200	200	200	200	200	200	200	200
48.0	200	200	200	200	200	200	200	200	200	200
54.0	200	200	200	200	200	200	200	200	200	200
60.0	200	200	200	200	200	200	200	200	200	200
66.0	200	200	200	200	188	180	176	174	174	174
72.0	200	200	195	177	165	156	150	147	146	146
78.0	200	200	175	158	146	136	132	128	125	125
84.0	200	183	162	143	132	123	117	112	110	110
90.0	200	165	148	131	120	111	105	101	97	97
96.0	188	156	135	120	110	102	96	91	88	88
102.0	176	145	125	111	101	93	86	81	81	81
108.0	165	136	117	104	94	86	81	81	81	81
114.0	156	126	110	97	88	80	75	75	75	75
120.0	146	120	103	91	82	75	70	70	70	70

- NOTES:
1. THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE.
  2. MASONRY OPENING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE MASONRY OPENING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  3. THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 295.5".
  4. FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT.
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  6. DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
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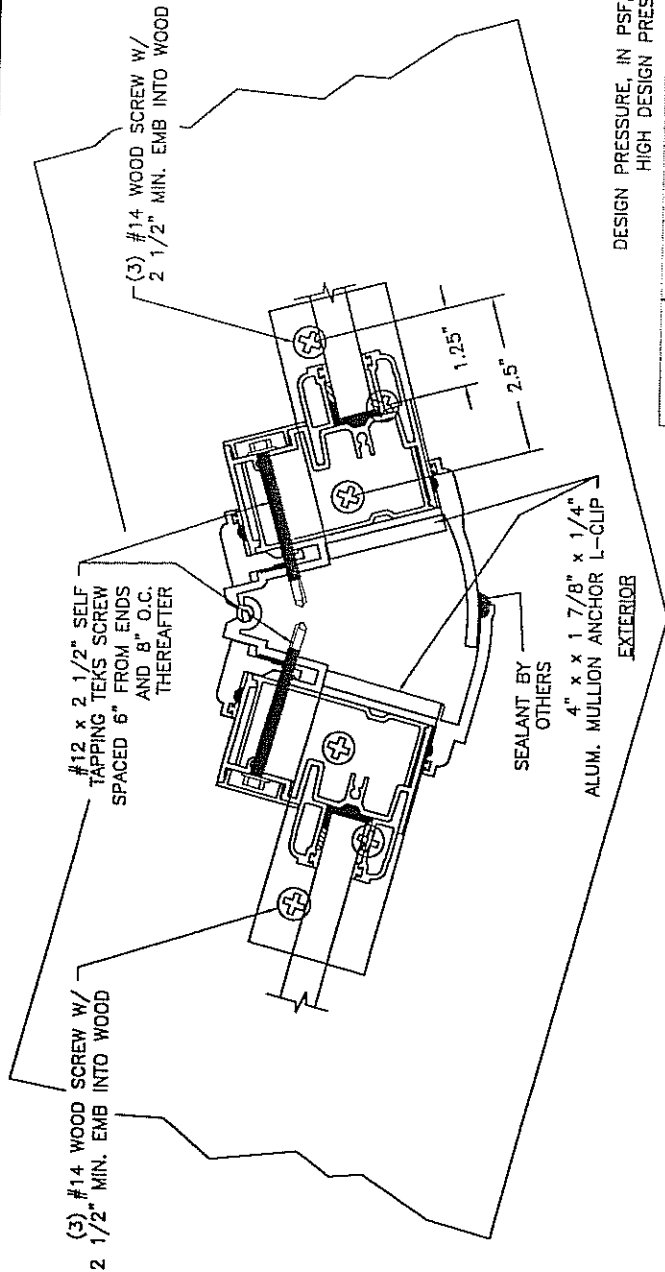
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Dwg Title:  
2000 SERIES - 12.5' - 30' ADJ. MULL INSTAL. DETAIL  
MASONRY/CONCRETE LOW DESIGN PRESSURE LOADS

SIZE: Drn By: \_\_\_\_\_ DWG NO. 06-01-1376 REV -

SCALE: N.T.S. DATE: 01/03/06 SHEET 2 of 2



DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART  
HIGH DESIGN PRESSURE CHART, SEE NOTE 7

SINGLE WDW WITH MULL SPAN V	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.000	72.0	WIDTHS FROM 78.0 TO 146.0
42.0										
48.0										200
54.0										200
60.0										
66.0										
72.0					200	200	200	200	200	200
78.0				200	200	200	200	200	200	200
84.0				200	200	200	200	191	186	
90.0				200	200	193	177	167	160	154
96.0				200	200	179	163	151	142	136
102.0				200	200	175	159	141	131	123
108.0				200	179	154	137	124	114	107
114.0				194	150	137	121	110	101	94
120.0				174	143	123	108	98	89	83

- NOTES:
- THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE. WOOD FRAMING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE WOOD FRAMING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  - THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 285.5". FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT.
  - THE DESIGN PRESSURES SHOWN IN THE CHART ARE ONLY FOR THE MULLION AND MULLION CLIP ANCHORS. SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE LOWER DESIGN PRESSURE OF THE WINDOW OR THE MULLION WILL GOVERN THE DESIGN PRESSURE FOR THE MULLED UNIT. DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
  - DESIGN PRESSURES IN CHART ARE BASED ON USING (6) WOOD SCREWS ATTACHING THE MULL CLIPS TO THE SUBSTRATE AT EACH END OF THE MULL. THE DESIGN PRESSURES ARE BASED ON THE COMPARATIVE ANALYSIS OF THE MULLION AND THE ANCHOR CAPACITY FOR LOWER DESIGN PRESSURES AND (4) ANCHORS ATTACHING THE MULL CLIPS SEE DRAWING 06-01-1377 SHEET 2. A DESIGN PRESSURE THAT YOU ARE USING IN THE CHART DOES NOT HAVE.
  - THIS DRAWING ONLY ADDRESSES THE ANCHORING OF THE MULLION L-CLIP TO THE SUBSTRATE AT THE HEAD AND SILL AND THE ANCHORING OF THE WINDOW JAMB TO THE MULLION. SEE DRAWINGS CALLED OUT IN NOTES 4 & 5 FOR THE HEAD, SILL AND JAMB ANCHORING OF EACH SINGLE WINDOW TO THE SUBSTRATE IN THE MULLED UNIT.

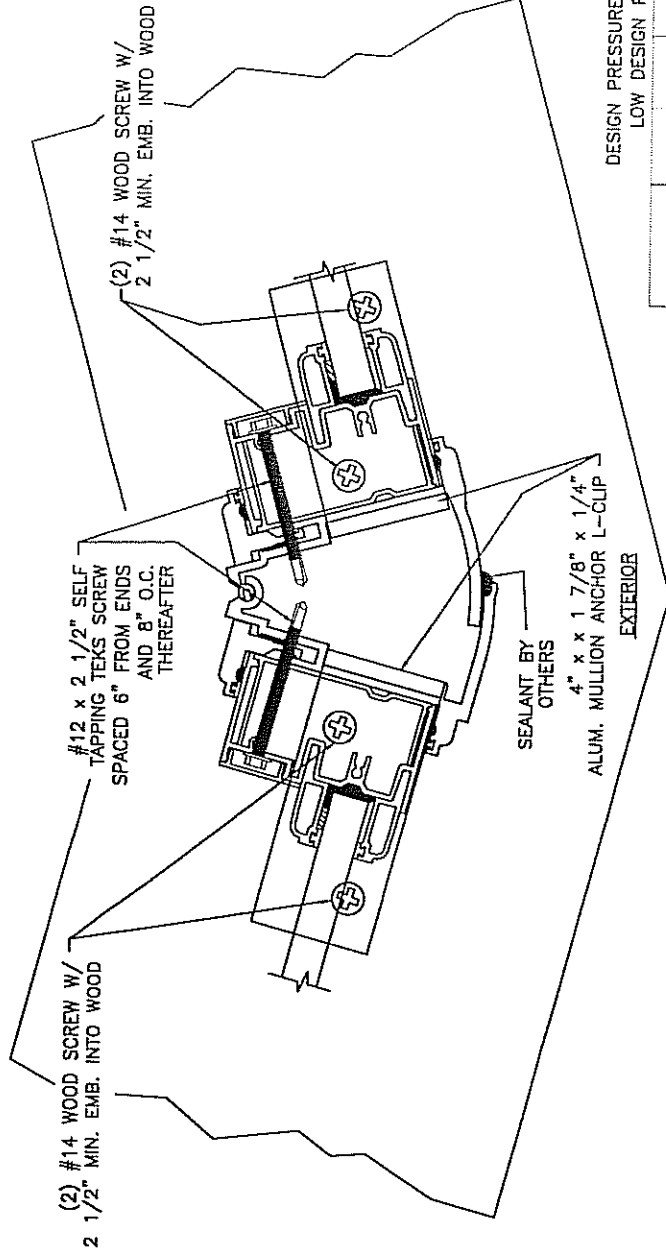
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Dwg Title:  
2000 SERIES - 12.5' - 30' ADJ. MULL INSTAL. DETAIL  
WOOD FRAMING HIGH DESIGN PRESSURE LOADS

SIZE: Drn By: TJH DWG NO. 06-01-1377 REV -

SCALE: N.T.S. DATE: 01/03/06 SHEET 1 of 2



DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART  
LOW DESIGN PRESSURE CHART, SEE NOTE 7 BELOW

SINGLE WIND. WITH MULL. SPAC. Y.	24.0	30.0	35.0	42.0	48.0	54.0	60.0	66.000	72.0	WIDTHS FROM 78.0 TO 148.0
42.0	200	200	200	200	200	200	200	200	200	200
48.0	200	200	200	200	200	200	200	200	200	200
54.0	200	200	200	200	200	200	200	200	200	200
60.0	200	200	200	200	200	200	200	200	200	200
66.0	200	200	200	200	200	200	200	200	200	200
72.0	200	200	200	200	182	162	175	171	170	170
78.0	200	200	200	194	170	160	153	148	148	148
84.0	200	200	199	187	153	143	139	131	129	129
90.0	200	195	170	152	139	130	122	117	113	113
96.0	200	192	157	140	128	118	111	106	102	102
102.0	200	169	145	130	118	109	102	102	102	102
108.0	192	159	135	121	109	101	94	94	94	94
114.0	189	148	129	115	102	94	87	87	87	87
120.0	170	140	120	106	95	88	81	81	81	81

- NOTES:
1. THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE.
  2. WOOD FRAMING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE WOOD FRAMING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  3. THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 295.5".
  4. FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT.
  5. THE DESIGN PRESSURES SHOWN IN THE CHART ARE ONLY FOR THE MULLION AND MULLION CLIP ANCHORS. SEE WinDoor DRAWING WIND0091 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WIND0085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WIND0086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE LOWER DESIGN PRESSURE OF THE WINDOW OR THE MULLION WILL GOVERN THE DESIGN PRESSURE FOR THE MULLED UNIT.
  6. DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
  7. DESIGN PRESSURES IN CHART ARE BASED ON USING (4) #14 WOOD SCREWS ATTACHING THE MULL CLIPS TO THE SUBSTRATE AT EACH END OF THE MULL. THE DESIGN PRESSURES ARE LIMITED BY THE CAPACITY OF THE ANCHORS. FOR HIGHER DESIGN PRESSURES SEE DRAWING 06-01-1377.
  8. THIS DRAWING ONLY ADDRESSES THE ANCHORING OF THE MULLION L-CLIP TO THE SUBSTRATE AT THE HEAD AND SILL AND THE ANCHORING OF THE WINDOW JAMB TO THE MULLION. SEE DRAWINGS CALLED OUT IN NOTES 4 & 5 FOR THE HEAD, SILL AND JAMB ANCHORING OF EACH SINGLE WINDOW TO THE SUBSTRATE IN THE MULLED UNIT.

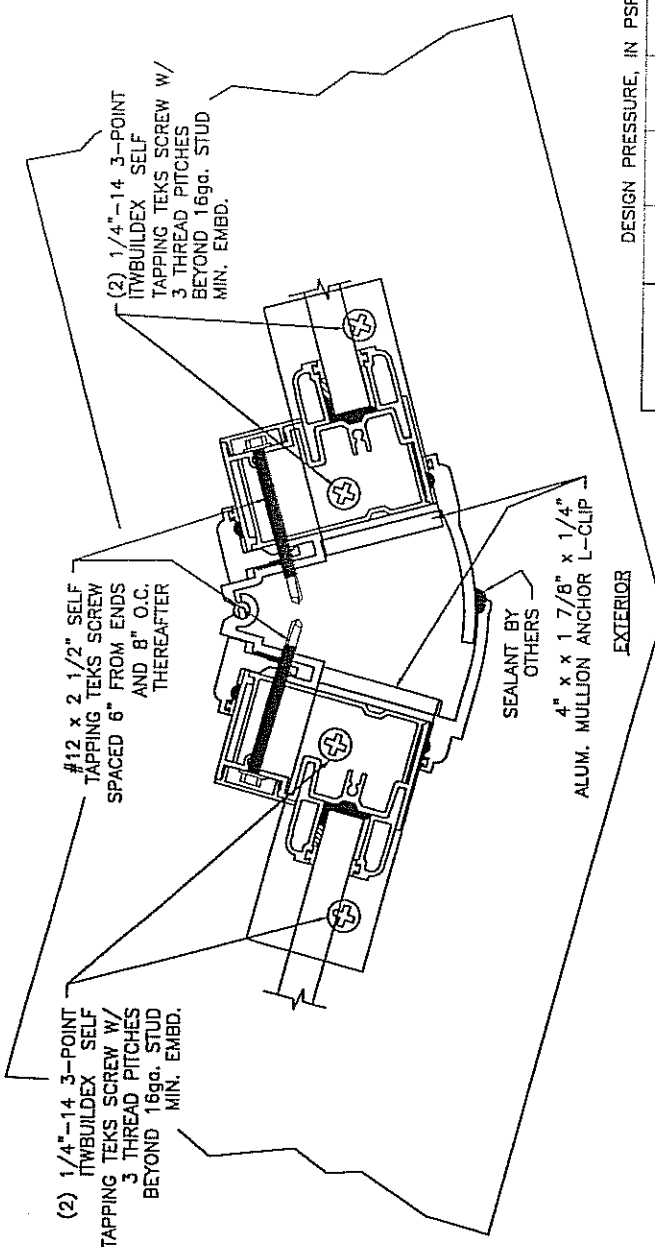
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Dwg Title:  
2000 SERIES - 12.5' - 30' ADJ. MULL INSTAL. DETAIL  
WOOD FRAMING LOW DESIGN PRESSURE LOADS

SIZE Dm By: TJH DWG NO. 06-01-1377 REV -

SCALE N.T.S. DATE: 01/03/06 SHEET 2 of 2



DESIGN PRESSURE, IN PSF, & COMPARATIVE ANALYSIS CHART

SINGLE WDW. WITH MULLION SPAN V	24.6	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	WIDTHS FROM 78.0 TO 146.0
42.0	200	200	200	200	200	200	200	200	200	200
48.0	200	200	200	200	200	200	200	200	200	200
54.0	200	200	200	200	200	200	200	200	200	200
60.0	200	200	200	200	200	200	200	200	200	200
66.0	200	200	200	200	200	200	200	200	200	200
72.0	200	200	200	200	200	200	200	200	200	200
78.0	200	200	200	200	200	200	200	200	200	200
84.0	200	200	200	200	200	200	200	200	200	200
90.0	200	200	200	200	200	200	200	200	200	200
96.0	200	200	200	200	200	200	200	200	200	200
102.0	200	200	200	200	200	200	200	200	200	200
108.0	200	200	200	200	200	200	200	200	200	200
114.0	194	150	137	121	110	101	94	84	74	64
120.0	174	143	123	108	98	89	83	73	63	53

- NOTES:
1. THE PRODUCT SHOWN HEREIN COMPLIES WITH THE 2004 FLORIDA BUILDING CODE. STEEL FRAMING MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. THE STEEL FRAMING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
  2. THIS DRAWING APPLIES TO MULTIPLE WINDOWS IN A SINGLE OPENING. NO TWO WINDOW WIDTH IN A MULTIPLE CONFIGURATION CAN EXCEED 295.5"
  3. FOR MAXIMUM SINGLE WINDOW SIZE IN A MULLED CONFIGURATION SEE WinDoor DRAWING WINDO081 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WINDO085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WINDO086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT.
  4. THE DESIGN PRESSURES SHOWN IN THE CHART ARE ONLY FOR THE MULLION AND MULLION CLIP ANCHORS. SEE WinDoor DRAWING WINDO081 SHEETS 1-7 OF 7, NON-IMPACT, WinDoor DRAWING WINDO085 SHEETS 1-10 OF 10 FOR LARGE MISSILE IMPACT AND WinDoor DRAWING WINDO086 SHEETS 1-10 OF 10 FOR SMALL MISSILE IMPACT. THE LOWER DESIGN PRESSURE OF THE WINDOW OR THE MULLION WILL GOVERN THE DESIGN PRESSURE FOR THE MULLED UNIT.
  5. DESIGN PRESSURES SHOWN IN THE CHART ARE BOTH POSITIVE AND NEGATIVE IN PSF.
  6. THIS DRAWING ONLY ADDRESSES THE ANCHORING OF THE MULLION L-CLIP TO THE SUBSTRATE AT THE HEAD AND SILL AND THE ANCHORING OF THE WINDOW JAMB TO THE MULLION. SEE DRAWINGS CALLED OUT IN NOTES 4 & 5 FOR THE HEAD, SILL AND JAMB ANCHORING OF EACH SINGLE WINDOW TO THE SUBSTRATE IN THE MULLED UNIT.
  7. WHEN A WOOD BACKER IS EMPLOYED IN THE STEEL FRAME MEMBER REPLACE THE 1/4"-14 3-POINT ITW BUILD EX SELF TAPPING TEK SCREW WITH A #14 WOOD SCREW. SEE WinDoor DRAWING 06-01-1377 SHEETS 1 AND 2, WOOD FRAME INSTALLATION, FOR DESIGN PRESSURE AND COMPARATIVE ANALYSIS CHART AND ANCHORING.

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Dwg Title:  
2000 SERIES - 12.5' - 30' ADJ. MULL INSTAL. DETAIL  
STEEL FRAMING DESIGN PRESSURE LOADS

SIZE Dwn By: TUJH DWG NO. 06-01-1378 REV -

SCALE N.T.S. DATE: 01/03/06 SHEET 1 of 1