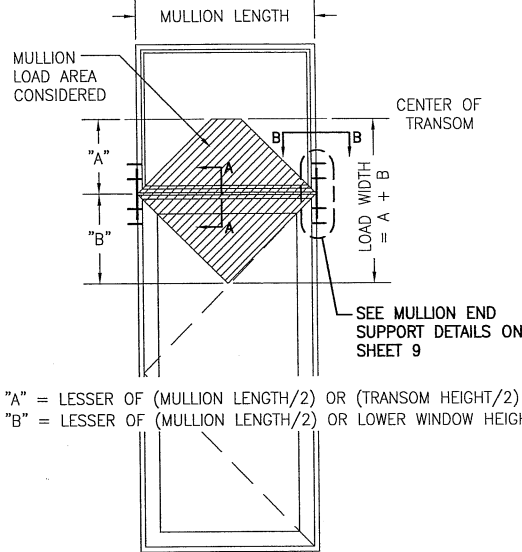


GENERAL NOTES:

1. THIS MULLION SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE & IS APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS FROM THE MULLIONS AND WINDOWS/DOORS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THIS MULLION SYSTEM IS RATED FOR USE IN NON-HVHZ AREAS ONLY.
5. THIS MULLION SYSTEM IS NON-IMPACT RATED. ALL OPENINGS THAT INCLUDE THIS MULLION SYSTEM MUST BE SHUTTERED WITH A FLORIDA CODE APPROVED SHUTTER WHERE REQUIRED BY CODE.
6. ALL ANCHORS PENETRATING PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
7. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
8. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
9. CERTIFICATION OF THIS MULLION SYSTEM SHALL BE CONSIDERED VOID IF INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH WINDOW INSTALLATIONS.
10. WINDOWS/DOORS SHALL BE UNDER SEPARATE APPROVAL.
11. ALLOWABLE PRESSURE ON THE MULLED UNITS SHALL BE CONTROLLED BY THE LESSER ALLOWABLE PRESSURE OF THE MULLION OR THE WINDOWS/DOORS IT SUPPORTS.
12. WINDOW/DOOR SIZES SHALL BE RESTRICTED BY THEIR OWN INDIVIDUAL APPROVAL.
13. ANCHORING OF WINDOWS/DOORS TO THE OPENING SHALL BE PER THEIR RESPECTIVE APPROVAL.
14. CONDITIONS NOT SHOWN OR COVERED IN THIS DRAWING SHALL BE SUBJECT TO SEPARATE REVIEW AND JOB SPECIFIC CERTIFICATION BY A FLORIDA LICENSED ENGINEER.
15. THE ALLOWABLE PRESSURES STATED IN THE LOAD TABLES CONSIDER THE WORSE CASE OF MULLION STRESS, DEFLECTION AND END REACTION.
16. MULLION BARS SHALL BE CONTINUOUS FROM END TO END.
17. WHEN VERTICALLY STACKED, THE MANUFACTURER/INSTALLER SHALL INSURE THAT THE DEAD WEIGHT OF THE ABOVE WINDOW(S) WILL NOT CAUSE UNDO STRESS ON THE BELOW WINDOW(S). THIS MULLION SYSTEM IS DESIGNED FOR WIND LOAD RESISTANCE ONLY & IS NOT CONSIDERED TO SUPPORT THE WEIGHT OF THE WINDOWS.
18. THIS MULLION IS RESTRICTED TO MAXIMUM $L/175$ DEFLECTION PER FBC.
19. THIS DRAWING COVERS THE REQUIREMENTS FOR THE PRIMARY BAR MULLIONS SPECIFIED HERE-IN ONLY. WINDOWS/DOORS AND ALL SECONDARY MULLIONS SHALL BE AS REQUIRED BY THE INDIVIDUAL WINDOW OR DOOR PRODUCT APPROVAL. NOTE THAT THE "PRIMARY MULLION" IS THE CONTINUOUS MULLION SPECIFIED IN THESE ELEVATIONS WHILE "SECONDARY MULLIONS" ARE THOSE THAT TEE INTO THE PRIMARY.
20. WHERE SECONDARY MULLIONS TEE INTO PRIMARY MULLIONS AND THE SECONDARY MULLIONS ARE TO UTILIZE THE BAR MULLIONS HERE-IN, THE SECONDARY MULLIONS SHALL BE CONSIDERED AS PART OF THIS APPROVAL. IN THIS CASE, THE SECONDARY MULLIONS SHALL BE END JOINED TO EACH THE OPENING SUBSTRATE AND THE PRIMARY CONTINUOUS MULLION AS SPECIFIED HERE-IN WITH THE PRIMARY MULLION BEING CONSIDERED AN ALUMINUM SUBSTRATE... EXCEPTION: THERE IS NO METAL STRAP REQUIRED TO BE PLACED ACROSS JAMB MEMBERS WHEN AT A MULLION T-JOINT.

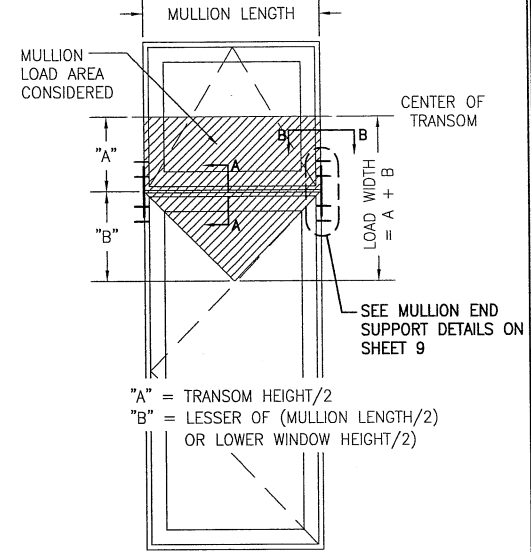
EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THIS EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THIS PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE EVALUATION ENGINEER OF RECORD THAT EVERYTHING SPECIFIED HERE-IN IS CURRENT WITH ALL CURRENT TESTING, CODES AND APPLICABLE STANDARDS.



"A" = LESSER OF (MULLION LENGTH/2) OR (TRANSOM HEIGHT/2)
 "B" = LESSER OF (MULLION LENGTH/2) OR LOWER WINDOW HEIGHT/2

SINGLE CASEMENT WINDOW, HUNG WINDOW, OR SWING DOOR WITH A FIXED WINDOW TRANSOM (SEE LOAD TABLE 1.0)

- FIXED TRANSOM WINDOW MAY BE ABOVE OR BELOW THE OTHER WINDOW/DOOR & MAY BE A DIRECT GLAZE OR SASH SET WINDOW.
- SWING DOOR/CASEMENT WINDOW IS SHOWN. HUNG WINDOW ALSO APPLIES.



"A" = TRANSOM HEIGHT/2
 "B" = LESSER OF (MULLION LENGTH/2) OR LOWER WINDOW HEIGHT/2

SINGLE CASEMENT WINDOW, HUNG WINDOW OR SWING DOOR WITH A AWNING WINDOW TRANSOM (SEE LOAD TABLE 4.0)

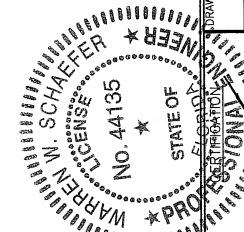
- AWNING TRANSOM WINDOW MAY BE ABOVE OR BELOW THE OTHER WINDOW/DOOR.
- SWING DOOR/CASEMENT WINDOW IS SHOWN. HUNG WINDOW ALSO APPLIES.

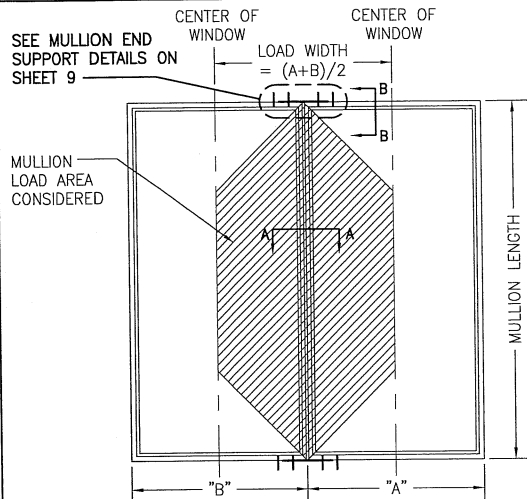
ALL SIERRA PACIFIC ALUMINUM CLAD WOOD WINDOW & DOOR PRODUCTS MAY BE SUPPORTED BY THIS MULLION SYSTEM UNDER THIS DOCUMENTS CERTIFICATION PROVIDING THEY ARE PROPERLY ANCHORED TO THE MULLION IN ACCORDANCE WITH THIS DOCUMENT.

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 02/12/18	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: NON-IMPACT BAR MULLIONS FOR WOOD & ALUMINUM CLAD WOOD WINDOWS & DOORS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH, PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
JOB INFORMATION: SIERRA PACIFIC WINDOWS 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873			
DRAWING NO. 1930 SHEET NO. 1 OF 13			

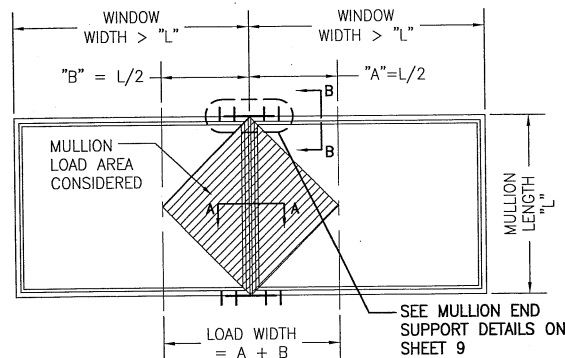




FIXED OR AWNING WINDOW NEXT TO A FIXED OR AWNING WINDOW WHEN WINDOW WIDTHS ARE LESS THAN OR EQUAL TO THE MULLION LENGTH

(SEE LOAD TABLE 1.0)

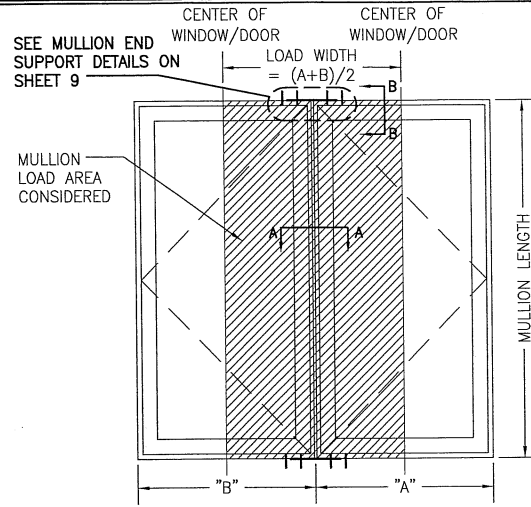
- MULLION MAY BE VERTICAL OR HORIZONTAL.
- FIXED WINDOWS MAY BE DIRECT GLAZE OR SASH SET WINDOWS.



FIXED OR AWNING WINDOW NEXT TO A FIXED OR AWNING WINDOW WHEN WINDOW WIDTHS ARE GREATER THAN THE MULLION LENGTH

(SEE LOAD TABLE 1.0)

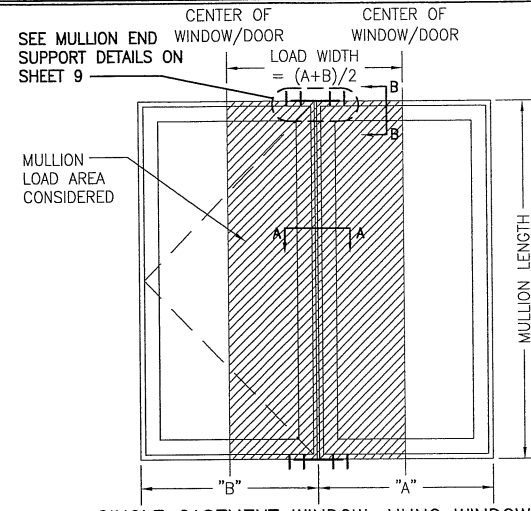
- MULLION MAY BE VERTICAL OR HORIZONTAL.
- FIXED WINDOWS MAY BE DIRECT GLAZE OR SASH SET WINDOWS.



SINGLE CASEMENT WINDOW, HUNG WINDOW OR SWING DOOR NEXT TO A SINGLE CASEMENT WINDOW, HUNG WINDOW OR SWING DOOR

(SEE LOAD TABLE 4.0)

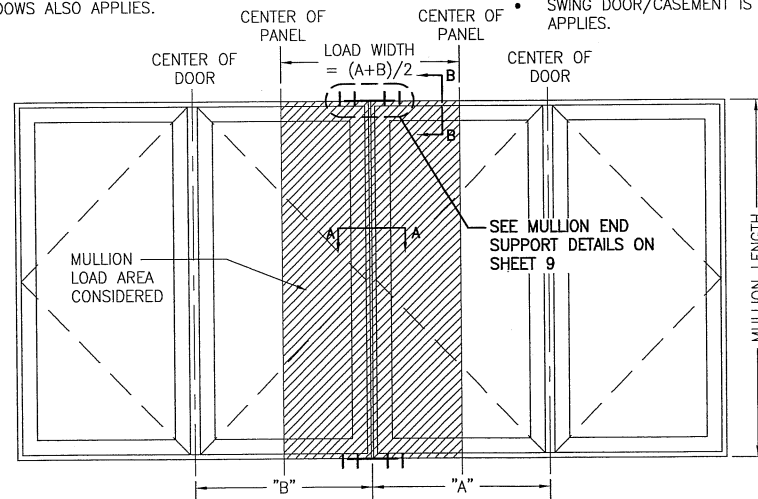
- SWING DOORS/CASEMENT WINDOWS IS SHOWN. HUNG WINDOWS ALSO APPLIES.



SINGLE CASEMENT WINDOW, HUNG WINDOW OR SWING DOOR NEXT TO A SINGLE FIXED WINDOW OR FIXED PANEL DOOR

(SEE LOAD TABLE 4.0)

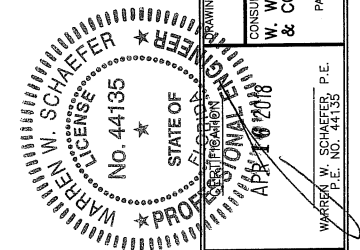
- FIXED WINDOW MAY BE A DIRECT GLAZE OR SASH SET WINDOW.
- SWING DOOR/CASEMENT IS SHOWN. HUNG WINDOW ALSO APPLIES.



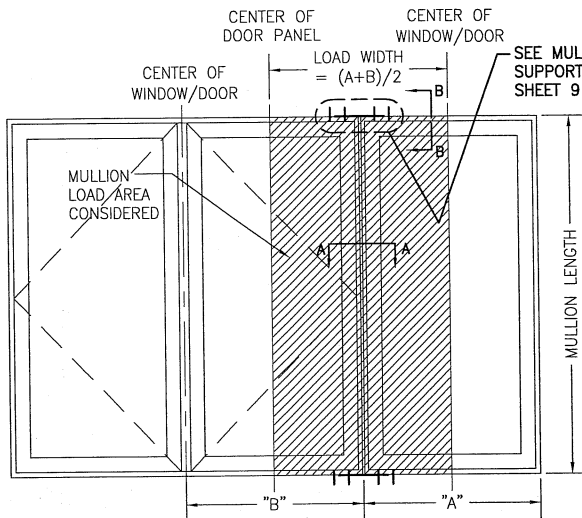
DOUBLE PANEL FRENCH SWING DOOR NEXT TO A DOUBLE PANEL FRENCH SWING DOOR

(SEE LOAD TABLE 4.0)

- ALSO APPLIES TO A DOUBLE FRENCH DOOR NEXT TO A SINGLE SWING DOOR.



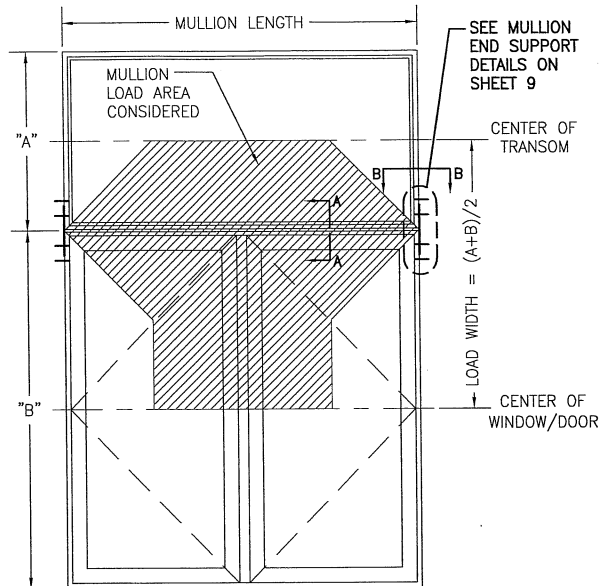
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLT: 1-24	DATE: 02/12/18
DATE	BY
NO.	REVISION DESCRIPTION
DRAWING TITLE: NON-IMPACT BAR MULLIONS FOR WOOD & ALUMINUM CLAD WOOD WINDOWS & DOORS	
JOB INFORMATION:	
SIERRA PACIFIC WINDOWS 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1930	REV.
SHEET NO. 2	OF 13



DOUBLE PANEL FRENCH SWING DOOR NEXT TO A SINGLE FIXED WINDOW OR FIXED PANEL DOOR

(SEE LOAD TABLE 4.0)

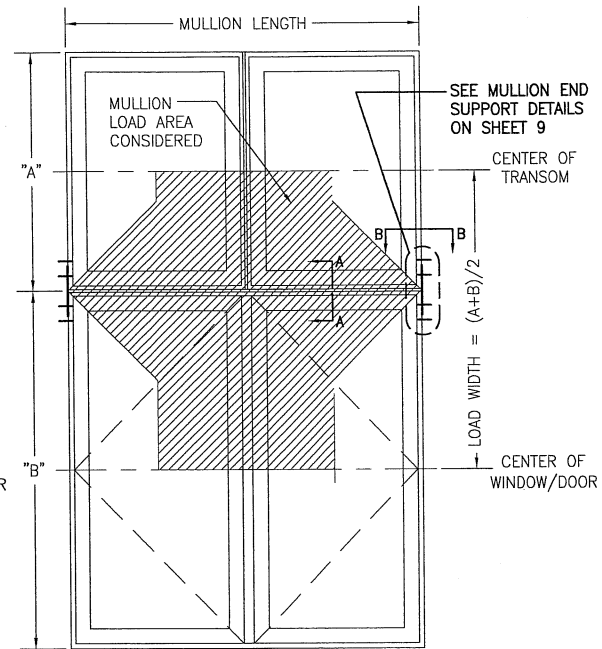
- FIXED WINDOW MAY BE A DIRECT GLAZE OR SASH SET WINDOW.



DOUBLE PANEL FRENCH DOOR, SLIDING DOOR OR SLIDING WINDOW WITH A SINGLE WINDOW TRANSOM

(SEE LOAD TABLE 2.0)

- TRANSOM WINDOW MAY BE A DIRECT GLAZE OR SASH SET WINDOW.
- FRENCH DOORS ARE SHOWN. SLIDING DOORS & WINDOWS ALSO APPLY.

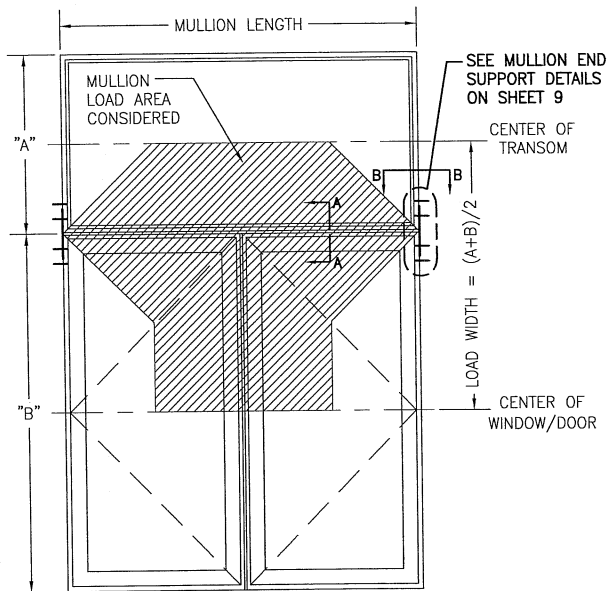


DOUBLE PANEL FRENCH DOOR, SLIDING DOOR OR SLIDING WINDOW WITH A TWO WINDOW TRANSOM

(SEE LOAD TABLE 2.0)

- TRANSOM WINDOWS MAY BE DIRECT GLAZE OR SASH SET WINDOWS.
- FRENCH DOORS ARE SHOWN. SLIDING DOORS & WINDOWS ALSO APPLY.

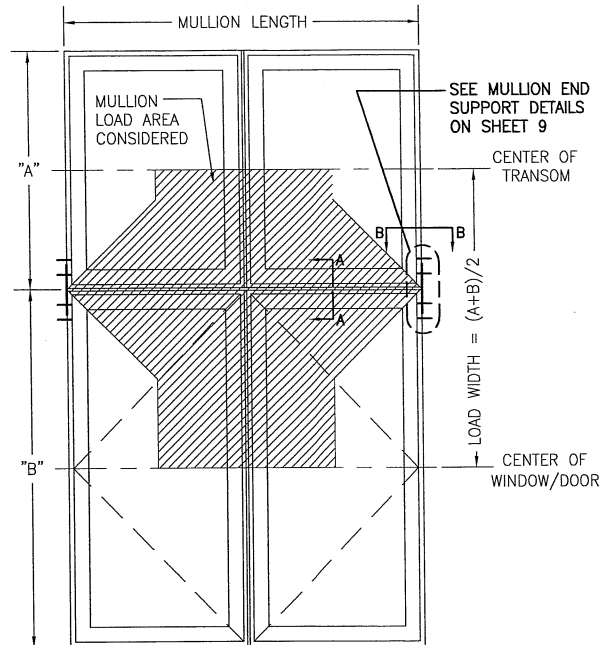
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 02/12/18	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: NON-IMPACT BAR MULLIONS FOR WOOD & ALUMINUM CLAD WOOD WINDOWS & DOORS JOB INFORMATION: SIERRA PACIFIC WINDOWS 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873 CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-5424			
WARREN W. SCHAEFER LICENSE No. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER APR 18 2018		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1930		REV.	
SHEET NO. 3 OF 13			



2 SINGLE DOORS, CASEMENT WINDOWS, FIXED WINDOWS OR HUNG WINDOWS WITH A SINGLE WINDOW TRANSOM

(SEE LOAD TABLE 2.0)

- TRANSOM WINDOW MAY BE A DIRECT GLAZE OR SASH SET WINDOW.
- SWING DOORS/CASEMENT WINDOWS ARE SHOWN. HUNG AND FIXED WINDOWS ALSO APPLY.



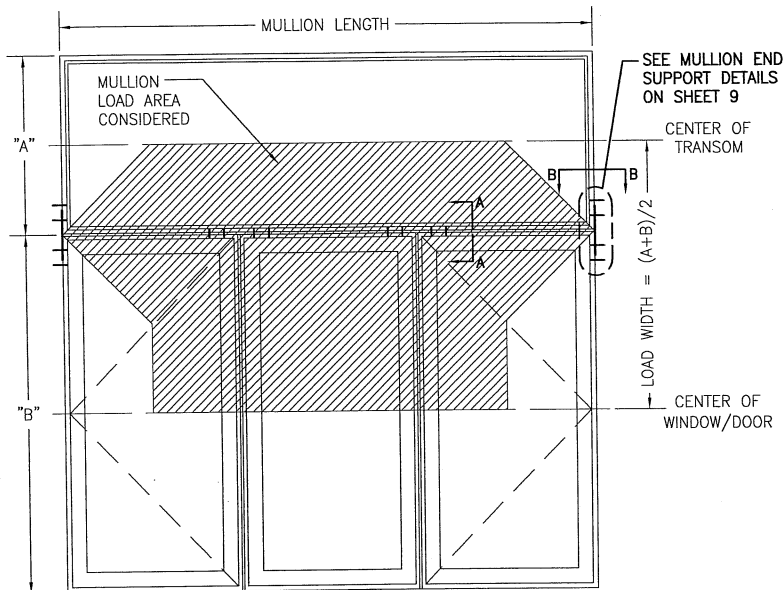
2 SINGLE DOORS, CASEMENT WINDOWS, FIXED WINDOWS OR HUNG WINDOWS WITH A 2-WINDOW TRANSOM & CONTINUOUS HORIZONTAL MULLION

(SEE LOAD TABLE 2.0)

- TRANSOM WINDOWS MAY BE DIRECT GLAZE OR SASH SET WINDOWS.
- SWING DOORS/CASEMENT WINDOWS ARE SHOWN. HUNG AND FIXED WINDOWS ALSO APPLY.



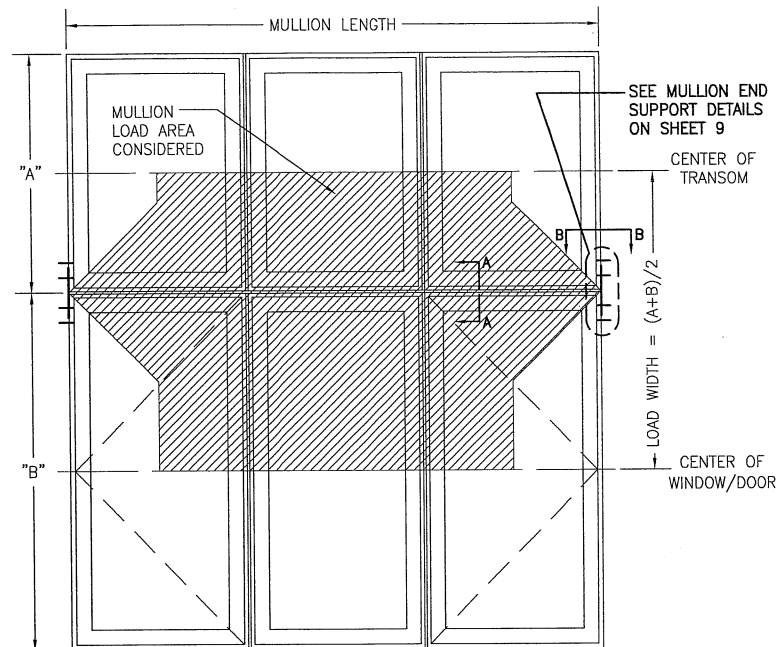
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 02/12/18	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: NON-IMPACT BAR MULLIONS FOR WOOD & ALUMINUM CLAD WOOD WINDOWS & DOORS CONSULTANTS: SIERRA PACIFIC WINDOWS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424 WARRREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1930		REV.	
SHEET NO. 4		OF 13	



3 SINGLE DOORS, CASEMENT WINDOWS, FIXED WINDOWS OR HUNG WINDOWS WITH A SINGLE WINDOW TRANSOM

(SEE LOAD TABLE 3.0)

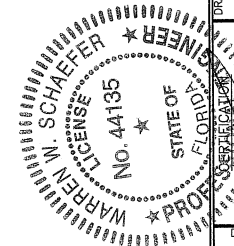
- TRANSOM WINDOW MAY BE A DIRECT GLAZE OR SASH SET WINDOW.
- SWING DOORS/CASEMENT WINDOWS ARE SHOWN. HUNG AND FIXED WINDOWS ALSO APPLY.



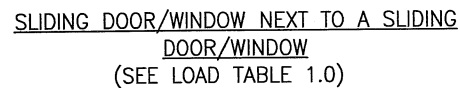
3 SINGLE DOORS, CASEMENT WINDOWS, FIXED WINDOWS OR HUNG WINDOWS WITH A 2 OR 3-WINDOW TRANSOM & CONTINUOUS HORIZONTAL MULLION

(SEE LOAD TABLE 3.0)

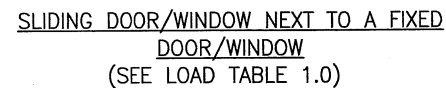
- TRANSOM WINDOWS MAY BE DIRECT GLAZE OR SASH SET WINDOWS.
- SWING DOORS/CASEMENT WINDOWS ARE SHOWN. HUNG AND FIXED WINDOWS ALSO APPLY.



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 02/12/18	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: NON-IMPACT BAR MULLIONS FOR WOOD & ALUMINUM CLAD WOOD WINDOWS & DOORS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH, 33418 PALM BEACH GARDENS, FL 33424 PHONE: 561-744-3424		JOB INFORMATION: SIERRA PACIFIC WINDOWS 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
DRAWING NO. 1930		REV. 	
SHEET NO. 5		OF 13	

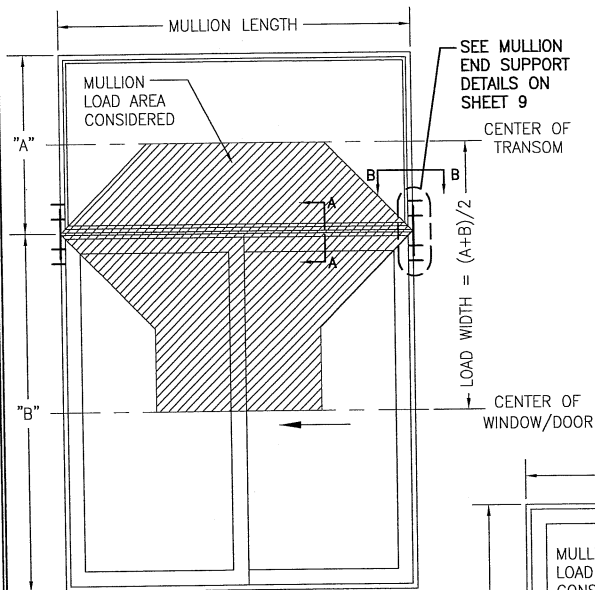


- 2-PANEL SLIDING DOORS/WINDOWS ARE SHOWN. MORE THAN 2-PANEL ALSO APPLIES.



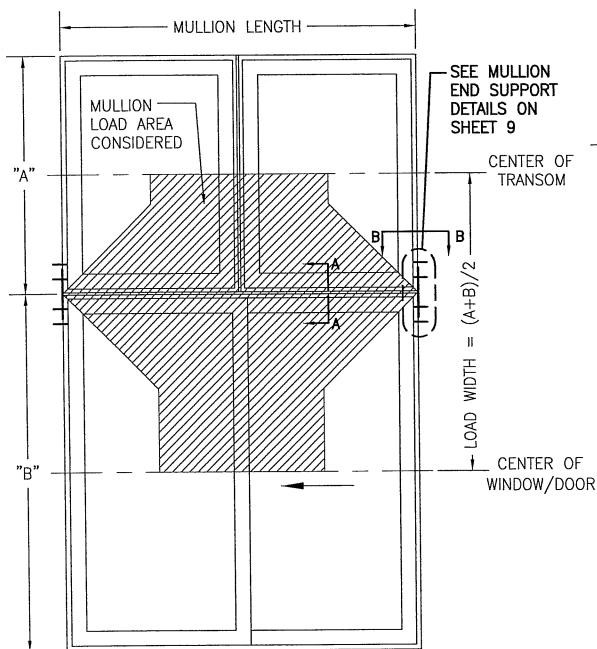
- 2-PANEL SLIDING DOORS/WINDOWS ARE SHOWN. MORE THAN 2-PANEL ALSO APPLIES.
- FIXED WINDOW MAY BE A DIRECT GLAZE OR SASH SET WINDOW.

DRAWING NO. 1930	REV. 	SHEET NO. 6 of 13	
DRAWING TITLE NON-IMPACT BAR MULLIONS FOR WOOD & ALUMINUM CLAD WOOD WINDOWS & DOORS			
DRAWING BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: T=24		DATE: 02/12/18	
NO.	REVISION DESCRIPTION	BY	DATE
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH, FL 33418 PHONE: 561-744-3264		JOB INFORMATION: SIERRA PACIFIC WINDOWS 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
WASHINGTON W. SCHAEFER, P.E. P.E. NO. 44135			



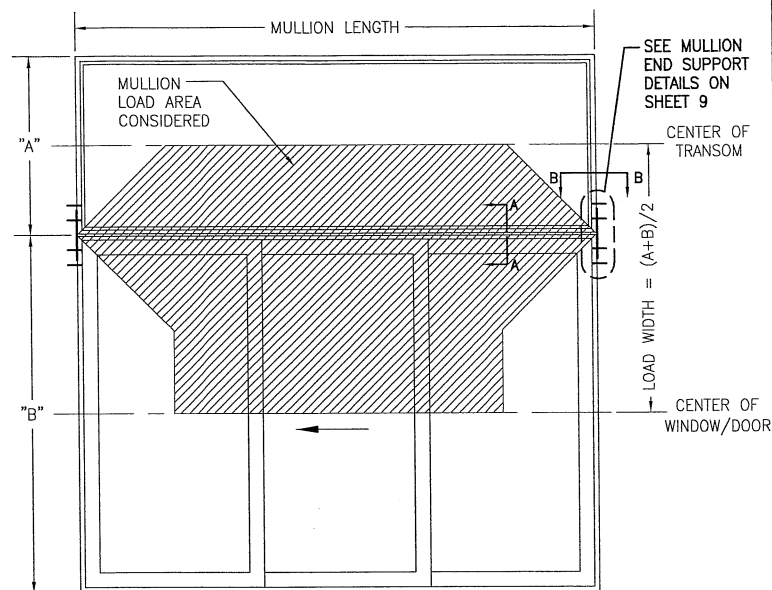
2-PANEL SLIDING DOOR/WINDOW WITH A SINGLE WINDOW TRANSOM
(SEE LOAD TABLE 2.0)

- TRANSOM WINDOW MAY BE A DIRECT GLAZE OR SASH SET WINDOW.



2-PANEL SLIDING DOOR/WINDOW WITH A 2-WINDOW TRANSOM
(SEE LOAD TABLE 2.0)

- TRANSOM WINDOWS MAY BE DIRECT GLAZE OR SASH SET WINDOWS.

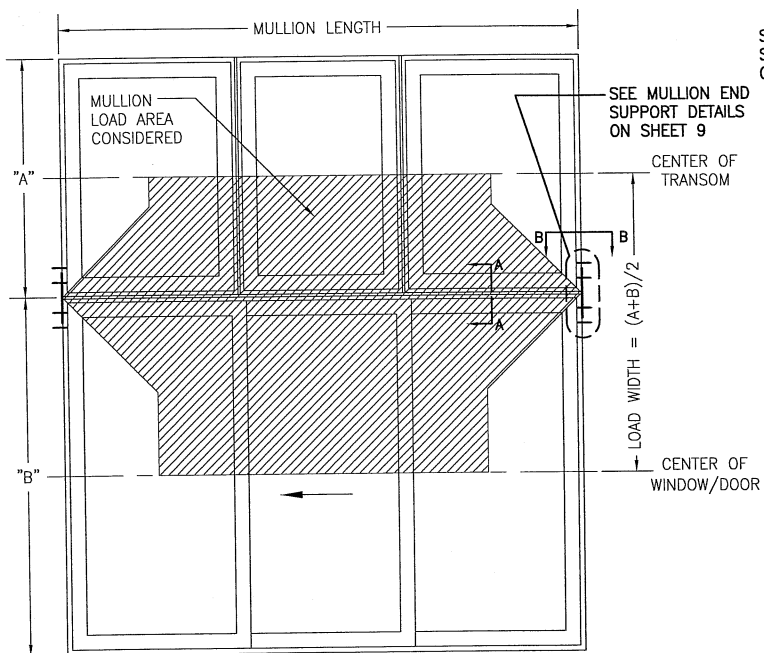


3-PANEL SLIDING DOOR/WINDOW WITH A SINGLE WINDOW TRANSOM
(SEE LOAD TABLE 3.0)

- TRANSOM WINDOW MAY BE A DIRECT GLAZE OR SASH SET WINDOW.

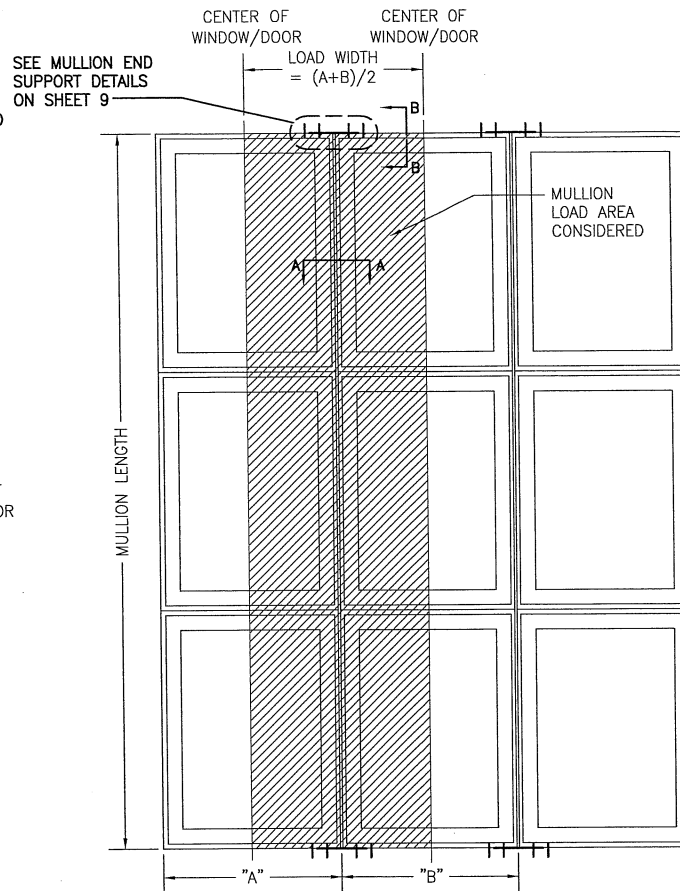
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PLOT: 1-24		DATE: 02/12/18	
NO.	REVISION	DESCRIPTION	DATE
NON-IMPACT BAR MULLIONS FOR WOOD & ALUMINUM CLAD WOOD WINDOWS & DOORS JOB INFORMATION: SIERRA PACIFIC WINDOWS 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873 CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424 W. W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO.		REV.	
1930			
SHEET NO.			
7		OF 13	





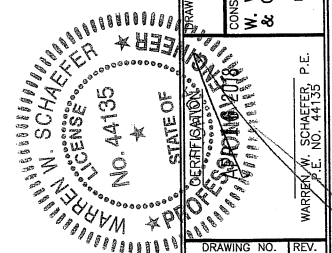
**3-PANEL SLIDING DOOR/WINDOW WITH A 2
OR 3-WINDOW TRANSOM**
(SEE LOAD TABLE 3.0)

- TRANSOM WINDOWS MAY BE DIRECT GLAZE OR SASH SET WINDOWS.



**MULTIPLE WINDOWS OVER MULTIPLE
WINDOWS/DOORS**
(SEE LOAD TABLE 4.0)

- CONTINUOUS VERTICAL MULLIONS ARE SHOWN. CONTINUOUS MULLIONS MAY ALSO BE HORIZONTAL.
- THIS ELEVATION COVERS ALL CONDITIONS NOT SPECIFICALLY COVERED IN THE OTHER ELEVATIONS.
- WINDOWS/DOORS MAY BE ANY FIXED OR OPERABLE WINDOW/DOOR DEEMED APPLICABLE HERE-IN.



DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
DATE: 1-24	DATE: 02/12/18
NO.	REVISION DESCRIPTION
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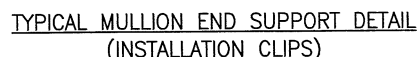
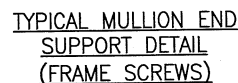
**NON-IMPACT BAR MULLIONS FOR WOOD & ALUMINUM CLAD
WOOD WINDOWS & DOORS**

SIERRA PACIFIC WINDOWS
575 S. WHELEN AVE.
MEDFORD, WI 54451
800-433-4873

**W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6809)**
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE 561-744-3424

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1930
SHEET NO. 8 OF 13



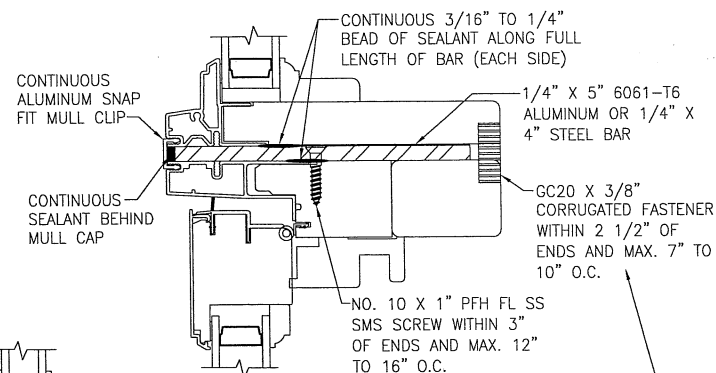
(APPLICABLE FOR USE AT SILLS OF HUNG
AND SLIDING WINDOWS ONLY.)



(APPLICABLE FOR USE AT SILLS OF MONUMENT
HUNG, HUNG PICTURE, AND SLIDING WINDOWS
ONLY.)



(APPLICABLE FOR USE AT SILLS OF PREMIUM
HUNG, HUNG PICTURE ONLY.)



"A-A"

(TYPICAL MULLION CROSS SECTION)

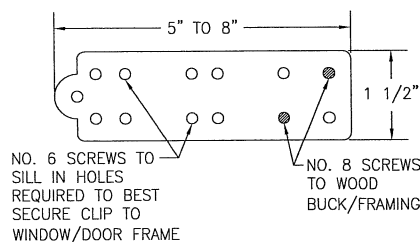
(CASEMENT AND DIRECT GLAZE WINDOWS ARE SHOWN. ALL APPLICABLE PRODUCTS APPLY WITH MULLION CONSTRUCTED THE SAME.)

IF WINDOWS/DOORS ARE TO BE FIELD-
MULLED & IT IS NOT POSSIBLE TO
PROPERLY JOIN THE FRAMES WITH THE
CORRUGATED FASTENER SPECIFIED, THE
FRAME MEMBERS MAY BE JOINED WITH
SCREWS PROVIDING THAT JOINERY IS
JOB SPECIFIC CERTIFIED BY A FLORIDA
P.F.

ANCHOR REQUIREMENTS TABLE

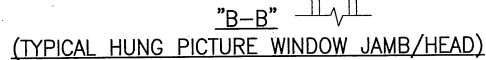
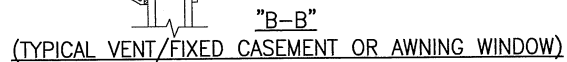
FRAME SCREWS			
OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED.	MINIMUM EDGE DIST.
(1) MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU OR 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"

- (1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S OR S.S.).
- (2) IF LARGER THAN A 2X4 BECK IS REQUIRED BY AN APPLICABLE WINDOW/DOOR APPROVAL, THE LARGER MUST BE USED.

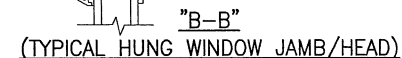
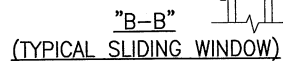


HURRICANE L-CLIP PART DETAIL

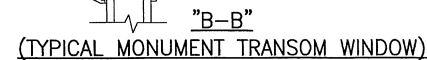
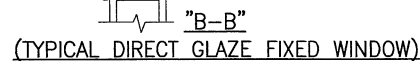
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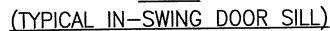
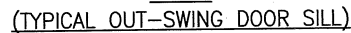
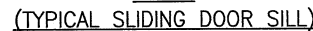
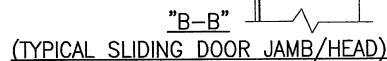
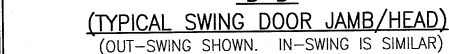


(MONUMENT WINDOW IS SHOWN. THE SIDE JAMB OF THE PREMIUM WINDOW IS INSTALLED SIMILAR)

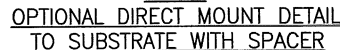


(MONUMENT WINDOW IS SHOWN. THE SIDE JAMB OF THE PREMIUM WINDOW IS INSTALLED SIMILAR)

[illegible]



TO BE CONTINUOUS ALONG ENTIRE SIDE OF
OPENING. IF THIS IS NOT POSSIBLE FOR ANY
REASON, THE CONDITION MUST BE JOB SPECIFIC
REVIEWED AND CERTIFIED BY A FLORIDA P.E.



(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(DIRECT GLAZE WINDOW IS SHOWN. ALL OTHER APPLICABLE WINDOWS CONSIDERED
IN THIS APPROVAL ALSO APPLY AND ARE TO BE INSTALLED EQUALLY.)

DRAWING TITLE		NON-IMPACT BAR MULLIONS FOR WOOD & ALUMINUM CLAD WOOD WINDOWS & DOORS	
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		SIERRA PACIFIC WINDOWS	
7480 150TH COURT NORTH		575 S. WHELAN AVE.	
PALM BEACH GARDENS, FL 33418		MEDFORD, WI 54451	
PHONE: 581-744-3424		800-433-4873	
DRAWING NO. 1930 SHEET NO. 13 OF 13		DRAWN BY: W.W.S. CHECKED BY: W.W.S. PLOT: 1=24 DATE: 02/12/18	
NO. REVISION DESCRIPTION BY DATE			

MULLION LOAD TABLE 1.0

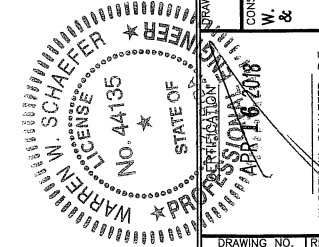
MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)	MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)
120	48	20.0	96	36	52.2
	42	22.9		30	62.6
	36	26.7		25	75.0
	30	32.1		72	31.7
	24	40.1		66	34.5
	18	53.4		60	38.0
114	54	20.8	90	54	42.2
	48	23.4		48	47.5
	42	26.7		42	54.3
	36	31.2		36	62.2
	30	37.4		30	71.7
	24	46.7		28	75.0
108	18	62.3	84	72	38.9
	66	20.0		66	42.5
	60	22.0		60	46.7
	54	24.4		54	51.9
	48	27.5		48	56.0
	42	31.4		42	61.0
102	36	36.7	78	36	67.9
	30	44.0		31	75.0
	24	55.0		72	48.6
	18	73.3		66	53.1
	72	21.8		60	56.0
	66	23.7		54	58.6
96	60	26.1	72	48	62.2
	54	29.0		42	67.4
	48	32.6		36	74.7
	42	37.3		72	61.1
	36	43.5		66	62.7
	30	52.2		60	64.0
	24	65.3	66	54	66.4
	20	75.0		48	70.0
	72	26.1		42	75.0
	66	28.5		66	74.0
	60	31.3		60	74.7
	54	34.8		58	75.0
	48	39.1	60	60	75.0
	42	44.7			

MULLION LOAD TABLE 2.0

MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)	MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)
120	48	20.0	84	48	57.1
	42	22.9		42	65.3
	36	26.7		36	75.0
	30	32.1		72	41.0
	24	40.1		66	44.8
	18	53.4		60	49.2
108	72	18.3	78	54	54.7
	66	20.0		48	61.5
	60	22.0		42	70.3
	54	24.4		39	75.0
	48	27.5		72	44.4
	42	31.4	72	66	48.5
96	36	36.7		60	53.3
	30	44.0		54	59.3
	24	55.0		48	66.7
	72	26.1		42	75.0
	66	28.5	66	72	48.5
	60	31.3		66	52.9
90	54	34.8		60	58.2
	48	39.1		54	64.6
	42	44.7		48	72.7
	36	52.2	60	46	75.0
	30	62.6		72	53.3
	25	75.0		66	58.2
84	72	31.7		60	64.0
	66	34.5	54	54	71.1
	60	38.0		51	75.0
	54	42.2		72	59.3
	48	47.5		66	64.6
	42	54.3	48	60	71.1
	36	63.3		56	75.0
	30	75.0		72	66.7
	72	38.1		66	72.7
	66	41.6		64	75.0
	60	45.7	42	72	75.0
	54	50.8			

LOAD TABLE NOTES:

1. SEE ELEVATIONS FOR DIMENSIONING OF LOAD WIDTH.
2. ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURE SHOWN IN THESE TABLES & THAT SPECIFIED BY THE INDIVIDUAL WINDOW OR DOOR APPROVAL.
3. PRESSURE VALUES FOR SIZES BETWEEN THOSE SHOWN MAY BE INTERPOLATED.
4. PRESSURES IN THESE TABLES ARE SHOWN UP TO 75 PSF. IF HIGHER THAN 75 PSF IS REQUIRED FOR ANY JOB, USE OF THOSE HIGHER PRESSURES SHALL BE JOB SPECIFIC CERTIFIED BY A FLORIDA P.E.

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 02/12/18	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: NON-IMPACT BAR MULLIONS FOR WOOD & ALUMINUM CLAD WOOD WINDOWS & DOORS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER SIERRA PACIFIC WINDOWS 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
			
DRAWING NO. 1930		REV.	
SHEET NO. 12 OF 13			

MULLION LOAD TABLE 3.0					
MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)	MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)
144	30	18.6	90	60	37.8
	24	23.2		54	42.0
	18	30.9		48	47.3
132	36	20.1		42	54.0
	30	24.1		36	63.0
	24	30.1		30	75.0
	18	40.1	84	72	33.8
120	48	20.0		66	36.8
	42	22.9		60	40.5
	36	26.7		54	45.0
	30	32.1		48	50.6
	24	40.1		42	57.9
	18	53.4		36	67.5
108	66	20.0		32	75.0
	60	22.0	78	72	36.4
	54	24.4		66	39.7
	48	27.5		60	43.6
	42	31.4		54	48.5
	36	36.7		48	54.5
	30	44.0		42	62.3
	24	55.0		36	72.7
	18	73.3		34	75.0
			72	72	39.4
102	72	21.8		66	43.0
	66	23.7		60	47.3
	60	26.1		54	52.5
	54	29.0		48	59.1
	48	32.6		42	67.5
	42	37.3		37	75.0
	36	43.5	66	66	46.9
	30	52.2		60	51.6
	24	65.3		54	57.3
	20	75.0		48	64.4
96	72	26.1		42	73.6
	66	28.5	60	40	75.0
	60	31.3		60	56.7
	54	34.8		54	63.0
	48	39.1		48	70.9
	42	44.7		45	75.0
	36	52.2	54	54	70.0
	30	62.6		50	75.0
	25	75.0			
	72	31.5	48	54	75.0
	66	34.4			

MULLION LOAD TABLE 4.0					
MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)	MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)
144	30	18.6	90	30	59.7
	24	23.2		24	74.7
	18	30.9		24	26.7
				72	26.7
132	36	20.1	84	66	29.1
	30	24.1		60	32.0
	24	30.1		54	35.6
	18	40.1		48	40.0
120	48	20.0		42	45.7
	42	22.9		36	53.3
	36	26.7		30	64.0
	30	32.1		25	75.0
	24	40.1		72	28.7
	18	53.4		66	31.3
				60	34.5
108	66	20.0	78	54	38.3
	60	22.0		48	43.1
	54	24.4		42	49.2
	48	27.5		36	57.4
	42	31.4		30	68.9
	36	36.7		27	75.0
	30	44.0	72	72	31.1
	24	55.0		66	33.9
	18	73.3		60	37.3
				54	41.5
102	72	21.8	66	48	46.7
	66	23.7		42	53.3
	60	26.1		36	62.2
	54	29.0		30	74.7
	48	32.6		66	37.0
	42	37.3		60	40.7
	36	43.5		54	45.3
	30	52.2	60	48	50.9
	24	65.3		42	58.2
	20	75.0		36	67.9
96	72	23.3		32	75.0
	66	25.5	54	60	44.8
	60	28.0		54	49.8
	54	31.1		48	56.0
	48	35.0		42	64.0
	42	40.0	48	36	74.7
	36	46.7		35	75.0
	30	56.0		54	55.3
	24	70.0		48	62.2
	22	75.0	44	42	71.1
90	72	24.9		39	75.0
	66	27.2		48	70.0
	60	29.9		44	75.0
	54	33.2		48	75.0
	48	37.3			
	42	42.7			
	36	49.8			

LOAD TABLE NOTES:
 1. SEE ELEVATIONS FOR DIMENSIONING OF LOAD WIDTH.
 2. ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURE SHOWN IN THESE TABLES & THAT SPECIFIED BY THE INDIVIDUAL WINDOW OR DOOR APPROVAL.
 3. PRESSURE VALUES FOR SIZES BETWEEN THOSE SHOWN MAY BE INTERPOLATED.
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DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 02/12/18	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE NON-IMPACT BAR MULLIONS FOR WOOD & ALUMINUM CLAD WOOD WINDOWS & DOORS		MANUFACTURER SIERRA PACIFIC WINDOWS 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		P.E. NO. 44135	
DRAWING NO. 1930		REV.	
SHEET NO. 13		OF 13	

