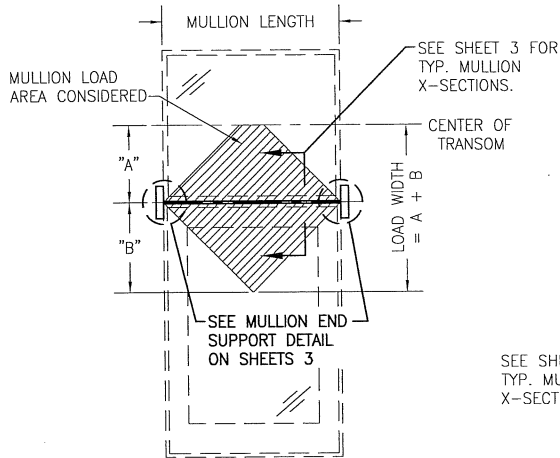
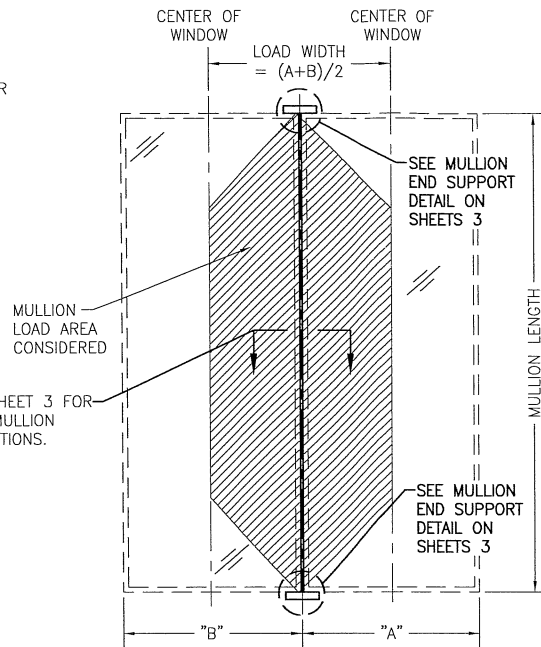




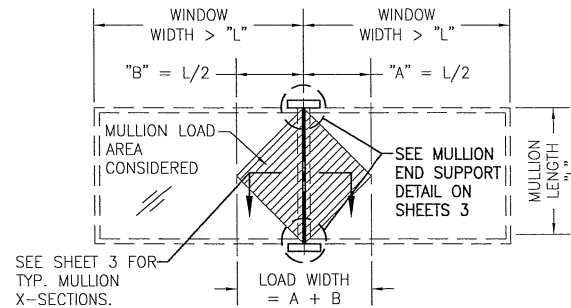
"A" = LESSER OF (MULLION LENGTH/2) OR (TRANSOM HEIGHT/2)
 "B" = MULLION LENGTH/2
SINGLE WINDOW OR DOOR WITH FIXED TRANSOM
 (SEE LOAD TABLE 1.0)

NOTE: WINDOW/DOOR MAY BE ANY FIXED OR OPERABLE UNIT
 NOTE: MULLION MAY BE HORIZONTAL OR VERTICAL

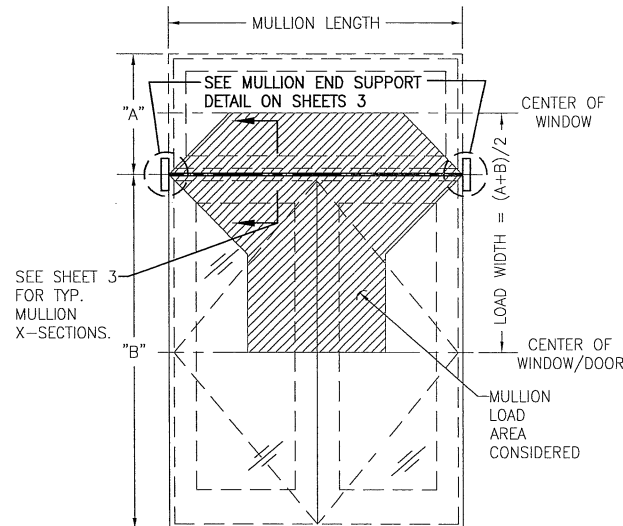


**FIXED WINDOW TO FIXED WINDOW WHEN WINDOW WIDTHS
 ARE LESS THAN OR EQUAL TO THE MULLION LENGTH**
 (SEE LOAD TABLE 1.0)

NOTE: MULLION MAY BE HORIZONTAL OR VERTICAL



**FIXED WINDOW TO FIXED WINDOW
 WHEN WINDOW WIDTHS ARE GREATER
 THAN THE MULLION LENGTH**
 (SEE LOAD TABLE 1.0)



**DOUBLE PANEL DOOR OR CASEMENT WINDOW (IN
 A SINGLE FRAME) WITH A SINGLE FIXED TRANSOM**
 (SEE LOAD TABLE 2.0)

NOTE: DOORS & WINDOWS MAY BE SWING OR SLIDING

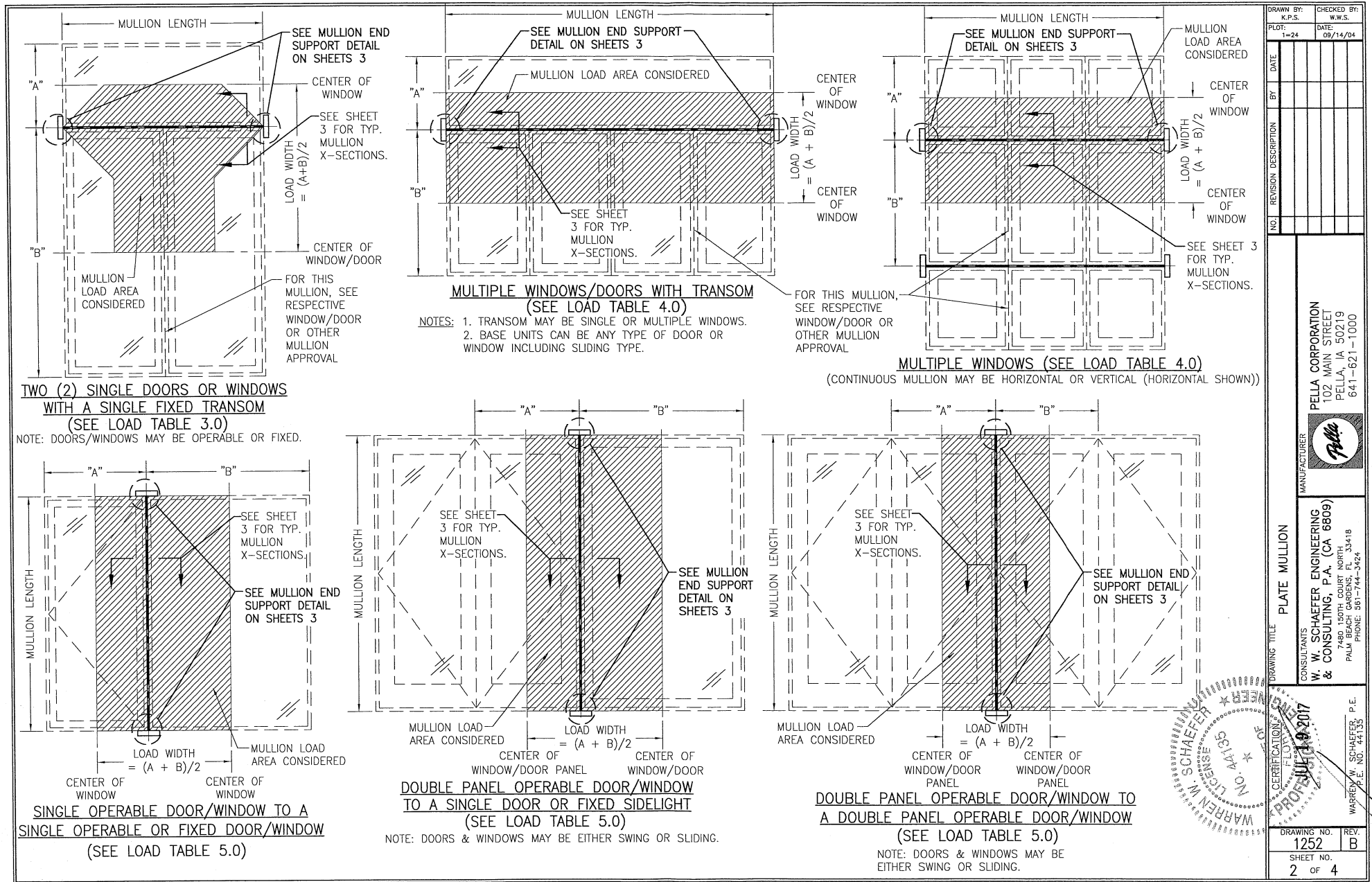
16. THE LOADS IN THESE TABLES CONSIDER WORSE CASE OF MULLION STRESS, DEFLECTION AND END REACTION.
17. ANY CONDITIONS NOT COVERED IN THIS CERTIFICATION SHALL BE SUBJECT TO SEPERATE ENGINEERING REVIEW.
18. ALL PLATE MULLIONS SHALL BE 6061-T6 ALUMINUM. ALL CONNECTION CLIPS SHALL BE MIN. 316L STAINLESS STEEL.
19. PLATE MULLIONS MUST BE CONTINUOUS FROM END TO END.
20. WHEN VERTICALLY STACKED, THE MANUFACTURER/INSTALLER SHALL INSURE THAT THE DEAD WEIGHT OF THE ABOVE WINDOWS WILL NOT CAUSE UNDO STRESS ON THE BELOW WINDOWS. THESE MULLIONS ARE DESIGNED TO SUPPORT WIND LOAD ONLY & ARE NOT CONSIDERED TO SUPPORT DEAD LOAD OF THE WINDOWS/DOORS.
21. THESE MULLIONS ARE ACCEPTABLE FOR USE WITH PELLA IMPACT & NON-IMPACTED RATED WINDOWS & DOORS.
22. DOORS & WINDOWS SHALL BE UNDER SEPERATE APPROVAL. SEE THE PRODUCTS SPECIFIC APPROVAL FOR THEIR USE.

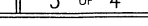
EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THIS EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW 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.

GENERAL NOTES (ALL DRAWING SHEETS):

1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & 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 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 PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ) & IS LARGE MISSILE IMPACT RATED.
5. IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
6. ALL ANCHORS SECURING PRODUCT FRAMES TO 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.
9. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATIONS. THESE DRAWINGS SHOW ALL APPLICABLE ELEVATION, COMBINATION, INSTALLATION & COMPARATIVE ANALYSIS CONDITIONS AS DETERMINED THROUGH TESTING & ENGINEERING RATIONAL ANALYSIS. PRODUCT ASSEMBLY SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
10. CERTIFICATION OF THIS PRODUCT SHALL BE CONSIDERED VOID IF IT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF IT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT.
11. ANY PELLA ALUMINUM CLAD WOOD PRODUCT APPROVED WINDOW/DOOR MAY BE SUPPORTED BY THESE MULLIONS PROVIDING THEY ARE PROPERLY ANCHORED TO THE MULLION & THE FRAME CROSS SECTION IS NO SMALLER THAN THE FRAME SECTIONS SHOWN IN THE MULLION DETAILS.
12. ALLOWABLE PRESSURE ON THE MULLED UNIT SHALL BE CONTROLLED BY THE LESSER ALLOWABLE PRESSURE OF THE MULLION OR THE INDIVIDUAL DOOR/WINDOW UNITS.
13. WINDOW/DOOR SIZES SHALL BE AS RESTRICTED BY THEIR OWN INDIVIDUAL APPROVALS.
14. FOR WINDOW OR DOOR FRAME TO OPENING ATTACHMENT, SEE THE RESPECTIVE PRODUCT APPROVAL DRAWINGS/SPECIFICATIONS FOR THE WINDOW/DOOR.
15. MULLION LENGTHS & LOAD WIDTHS ARE RESTRICTED BY THOSE SHOWN IN THE TABLES.

DRAWN BY:	K.P.S.	CHECKED BY:	W.W.S.
PLT:	1-24	DATE:	03/14/04
DATE	10/21/11	BY	
REVISION	DESCRIPTION	DATE	
A1	UPDATE TO CURRENT STANDARDS	W.W.S.	07/19/17
B1	CHANGE TO STATE APPROVAL	W.W.S.	
NO			
MANUFACTURER PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
DRAWING TITLE PLATE MULLION			
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.			
DRAWING NO.		REV.	
1252		B	
SHEET NO.		1 OF 4	





LOAD TABLE 2.0			
MAXIMUM MULLION LENGTH (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		MULLION "A"	MULLION "B"
60	84	100.0	100.0
	84	84.9	93.5
66	78	91.4	100.0
	72	99.0	100.0
	66	100.0	100.0
	84	71.3	85.7
72	78	76.8	92.3
	72	83.2	100.0
	66	90.8	100.0
	60	99.9	100.0
78	84	60.8	79.1
	78	65.4	85.2
	72	70.9	92.3
	66	77.3	100.0
	60	85.1	100.0
	54	94.5	100.0
84	48	100.0	100.0
	84	52.4	64.9
	78	56.4	69.9
	72	61.1	75.7
	66	66.7	82.6
	60	73.4	90.8
90	54	81.5	100.0
	48	91.7	100.0
	42	100.0	100.0
	84	45.6	52.8
	78	49.2	56.8
	72	53.3	61.5
96	66	58.1	67.1
	60	63.9	73.9
	54	71.0	82.1
	48	79.9	92.3
	42	91.3	100.0
	36	100.0	100.0
96	84	40.1	43.5
	78	43.2	46.8
	72	46.8	50.7
	66	51.1	55.3
	60	56.2	60.9
	54	62.4	67.6
96	48	70.2	76.1
	42	80.2	86.9
	36	93.6	100.0
	30	100.0	100.0

LOAD TABLE 3.0			
MAXIMUM MULLION LENGTH (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		MULLION "A"	MULLION "B"
60	84	100.0	100.0
	84	84.9	93.5
66	78	91.4	100.0
	72	99.0	100.0
	66	100.0	100.0
	84	71.3	85.7
72	78	76.8	92.3
	72	83.2	100.0
	66	90.8	100.0
	60	99.9	100.0
78	84	57.7	79.1
	78	62.1	85.2
	72	67.3	92.3
	66	73.4	100.0
	60	80.7	100.0
	54	89.7	100.0
84	48	100.0	100.0
	84	46.2	64.9
	78	49.7	69.9
	72	53.9	75.7
	66	58.8	82.6
	60	64.7	90.8
90	54	71.8	100.0
	48	80.8	100.0
	42	92.4	100.0
	36	100.0	100.0
	84	37.5	52.8
	72	43.8	61.5
96	66	47.8	67.1
	60	52.6	73.9
	54	58.4	82.1
	48	65.7	92.3
	42	75.1	100.0
	36	87.6	100.0
96	84	30.9	43.5
	72	36.1	50.7
	66	39.4	55.3
	60	43.3	60.9
	54	48.1	67.6
	48	54.1	76.1
108	42	61.9	86.9
	36	72.2	100.0
	84	25.3	30.5
	72	25.3	35.6
	66	27.7	38.9
	60	30.4	42.7
120	54	33.8	47.5
	48	38.0	53.4
	42	43.5	61.1
	36	50.7	71.2
	66	27.7	28.3
	60	27.7	31.2
120	54	31.7	34.6
	48	27.7	38.9
	42	31.7	44.5
	36	37.0	51.9

LOAD TABLE 4.0					
MAXIMUM MULLION LENGTH (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)		MAXIMUM MULLION LENGTH (IN.)	MAXIMUM LOAD WIDTH (IN.)
		MULLION "A"	MULLION "B"		
48	72	100.0	100.0		
	72	93.3	93.3		
54	66	100.0	100.0	90	54
	84	72.0	72.0		58.4
60	78	77.5	77.5		65.7
	72	84.0	84.0		84.0
	66	91.6	91.6		96.0
	60	100.0	100.0		100.0
66	84	65.5	65.5		100.0
	78	70.5	70.5		100.0
	72	76.4	76.4		100.0
	66	83.3	83.3		100.0
72	60	91.6	91.6		100.0
	54	100.0	100.0		100.0
	90	56.0	56.0		100.0
	84	60.0	60.0		100.0
78	78	64.6	64.6		100.0
	72	70.0	70.0		100.0
	66	76.4	76.4		100.0
	60	84.0	84.0		100.0
84	54	93.3	93.3		100.0
	48	100.0	100.0		100.0
	90	51.7	51.7		100.0
	84	55.4	55.4		100.0
90	78	59.6	59.6		100.0
	72	64.6	64.6		100.0
	66	70.5	70.5		100.0
	60	77.5	77.5		100.0
96	54	86.2	86.2		100.0
	48	96.9	96.9		100.0
	42	100.0	100.0		100.0
	90	43.1	48.0		100.0
108	84	46.2	51.4		100.0
	78	49.7	55.4		100.0
	72	53.9	60.0		100.0
	66	58.8	65.5		100.0
120	60	64.7	72.0		100.0
	54	71.8	80.0		100.0
	48	80.8	90.0		100.0
	42	92.4	100.0		100.0
132	36	100.0	100.0		100.0
	90	35.0	44.8		100.0
	84	37.5	48.0		100.0
	78	40.4	51.7		100.0
144	72	43.8	56.0		100.0
	66	47.8	61.1		100.0
	60	52.6	67.2		100.0

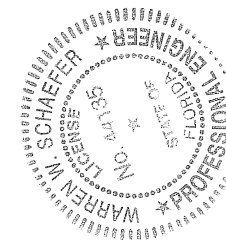
LOAD TABLE 5.0			
MAXIMUM MULLION LENGTH (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		MULLION "A"	MULLION "B"
60	60	100.0	100.0
	60	91.6	91.6
66	54	100.0	100.0
	60	84.0	84.0
72	54	93.3	93.3
	48	100.0	100.0
	60	77.5	77.5
	54	86.2	86.2
78	48	96.9	96.9
	42	100.0	100.0
	60	72.0	72.0
	54	80.0	80.0
84	48	90.0	90.0
	42	100.0	100.0
	60	63.9	67.2
	54	71.0	74.7
90	48	79.9	84.0
	42	91.3	96.0
	36	100.0	100.0
	60	56.2	60.9
96	54	62.4	67.6
	48	70.2	76.1
	42	80.2	86.9
	36	93.6	100.0
108	30	100.0	100.0
	60	42.6	42.7
	54	47.3	47.5
	48	53.3	53.4
120	42	60.9	61.1
	36	71.0	71.2
	30	85.2	85.5
	24	100.0	100.0
120	60	31.1	31.2
	54	34.5	34.6
	48	38.8	38.9
	42	44.4	44.5
120	36	51.8	51.9
	30	62.1	62.3
	24	77.6	77.9

TABLE NOTES:

1. INDIVIDUAL UNIT SIZES & SHUTTER REQUIREMENTS ARE LIMITED BY THEIR OWN INDIVIDUAL "CERTIFICATION".
2. IN ORDER TO SIMPLIFY TABLES, TABLE PRESSURES ARE LIMITED TO 100 PSF.
3. MULLION 1/3 STRESS INCREASE HAS NOT BEEN CONSIDERED IN THE CALCULATION OF THESE PRESSURES.

INSTRUCTIONS FOR TABLE USE:

1. DETERMINE REQUIRED WIND PRESSURE FOR THE OPENING.
2. DETERMINE THE MULLION LENGTH & LOAD WIDTH USING THE APPLICABLE ELEVATION ON SHEETS 1 & 2.
3. FIND ALLOWABLE PRESSURE UNDER APPLICABLE MULLION TYPE.
MULLION "A" = NON-REINFORCED PLATE MULLION (SEE MULLION CROSS SECTIONS ON SHEET 3)
MULLION "B" = BAR REINFORCED PLATE MULLION (SEE MULLION CROSS SECTIONS ON SHEET 3)



DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=1		DATE: 09/14/04	
DATE	BY	REVISION	DESCRIPTION
DRAWING TITLE PLATE MULLION			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
MANUFACTURER PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000			
CERTIFICATION JUL 19 2017 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1252		REV. B	
SHEET NO. 4 OF 4			