

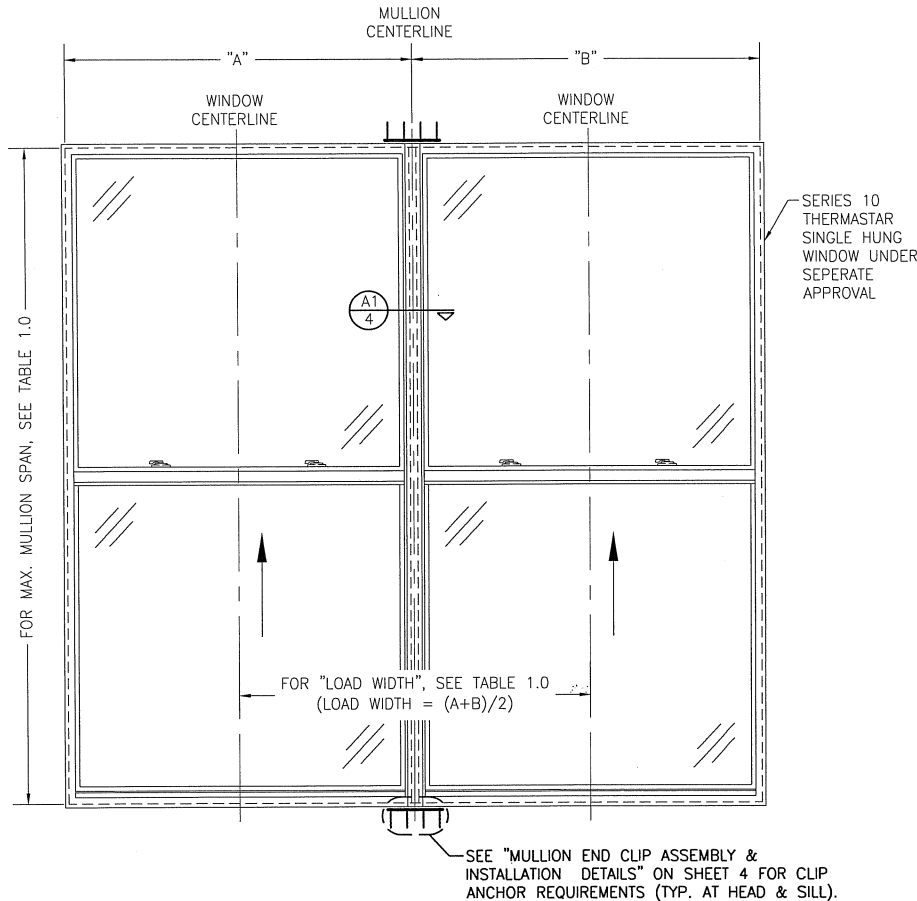
GENERAL NOTES:

1. THESE MULLION SYSTEMS HAVE 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 FROM THE WINDOWS AND THEIR MULLIONS TO THE STRUCTURE.
3. MULLIONS & 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. THESE MULLION SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) FOR NON-HIGH VELOCITY HURRICANE ZONES (HVHZ).
5. THESE MULLIONS ARE NON-IMPACT RATED. OPENINGS IN WHICH THESE MULLIONS ARE PLACED MUST BE SHUTTERED WITH A FLORIDA CODE APPROVED SHUTTER WHERE REQUIRED BY CODE.
6. ALL ANCHORS SECURING MULLION 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. NO WIND DURATION FACTOR INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT.
9. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.
10. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/DA 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.
11. CERTIFICATION OF THESE MULLIONS SHALL BE CONSIDERED VOID IF THEY ARE INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF THEY ARE INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH WINDOW INSTALLATIONS.

MULLION & ANCHOR EVALUATION IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THE 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 THE REFERENCED PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE EVALUATION ENGINEER OF RECORD THAT THE INSTALLATIONS SPECIFIED HERE-IN ARE CURRENT WITH THE THEN CURRENT TESTING, CODE AND APPLICABLE STANDARDS.

ALTERNATE ANCHOR/SUBSTRATE EVALUATION NOTE:

ALL ALTERNATE ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE EQUIVALENT TO OR STRONGER THAN THE ANCHOR(S) USED IN TESTING WITH THIS PRODUCT.



EXTERIOR ELEVATION: SINGLE HUNG TO SINGLE HUNG

SCALE: 3/4" = 1'-0"

(THERE IS NO LIMIT ON THE NUMBER OF WINDOWS THAT MAY BE COMBINED HORIZONTALLY INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE WINDOWS & THEIR MULLIONS)

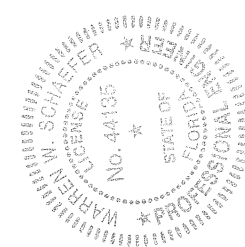
**TABLE 1.0
(SINGLE HUNG TO SINGLE HUNG)**

MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)
90	55	23.8
	53	24.7
	47	27.9
	43	30.4
	37	35.4
	31	42.2
84	27	48.5
	19	65.0
	55	29.3
	53	30.4
	47	34.3
	43	37.4
75	37	43.5
	31	51.9
	27	59.6
	19	65.0
	55	41.1
	53	42.7
68	47	48.1
	43	52.6
	39	58.0
62	37	61.1
	31	65.0
56	53	52.8
	47	59.5
	43	65.0
	53	57.9
	53	64.1
	52	65.0

NOTES:

1. SIZE VALUES IN TABLE ARE +/- 1/2"
2. THE LESSER OF THE PRESSURE SHOWN IN THIS TABLE OR THE ALLOWABLE PRESSURE STATED IN THE WINDOWS INDIVIDUAL APPROVAL SHALL CONTROL AS ALLOWABLE FOR THE MULLED UNIT.
3. PRESSURES FOR SIZE CONDITIONS BETWEEN THOSE SHOWN MAY BE INTERPOLATED.

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 09/05/08	
DATE	BY	REVISION DESCRIPTION	NO
08/12/11	WWS	UPDATED TO CURRENT STANDARDS	A1
01/09/13	WWS	UPDATED TO CURRENT STANDARDS	B1
DRAWING TITLE: THERMASTAR SERIES 10 SINGLE HUNG & PICTURE WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)			
MANUFACTURER: PELLA CORPORATION, 2000 PROLINE PLACE, GETTYSBURG, PA 17325, 717-334-0099			
CERTIFICATION: JAN 09 2015			
DRAWING NO. 1612			
REV. B			
SHEET NO. 1 OF 4			



DRAWING NO. 1612	SHEET NO. 4	DRAWING TITLE THERMASTAR SERIES 10 SINGLE HUNG & PICTURE WINDOW VERTICAL NON-IMPACT MULLION	CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7490 150TH COURT NORTH PALMDALE, CA 93550 PHONE: 508-744-3424	MANUFACTURER  PELLA CORPORATION 2000 PROLINE PLACE GETTYSBURG, PA 17325 717-334-0099	NO.	REVISION	DESCRIPTION	BY	DATE	PLOT: 1=2	DRAWN BY: W.R.M.	CHECKED BY: K.W.S.
											DATE:	09/05/08