

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED 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 FRAME ANCHORS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THIS PRODUCT HAS BEEN TESTED 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. UNLESS OTHERWISE SPECIFIED HERE-IN, PRODUCT ASSEMBLY AND ALL ASSEMBLY REQUIREMENTS/OPTIONS SHALL BE AS TESTED, ARE THE RESPONSIBILITY OF EACH THE MANUFACTURER AND THEIR APPLICABLE QUALITY ASSURANCE & ARE NOT THE RESPONSIBILITY OF THESE DOCUMENTS NOR THE CERTIFICATION OF THESE DOCUMENTS.
10. WATER PROOFING OF THE INSTALLED PRODUCT IS NOT PART OF THIS CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER &/OR INSTALLER.
11. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/OA 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 THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
12. 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.
13. ALL ALUMINUM PARTS WITHIN THESE WINDOWS SHALL BE MINIMUM 6063-T6 ALUMINUM.

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.

GLASS D.L.O. SIZE TABLE

GLASS OPTIONS	MAXIMUM ALLOWABLE GLASS D.L.O. AREA	
	(SQ.FT.)	(SQ.IN.)
1A & 1B	10.0	1446
2A & 2B	* 18.7	* 2690
3A & 3B	* 18.7	* 2690
*18.7 SQ.FT. IS THE LARGEST WINDOW SIZE OF 42" X 84"		
NOTE: D.L.O. AREA SPECIFIED IS AS RESTRICTED BY THAT TESTED.		
FOR GLASS OPTIONS, SEE GLAZING DETAILS ON SHEET 8.		

GLASS OPTIONS 1A & 1B SHALL NOT BE USED IN WINDOWS RATED FOR DESIGN PRESSURES GREATER THAN +/-80 PSF.

WINDOW HARDWARE REQUIRED:

LOCKS: MULTI-POINT LOCKS AND KEEPERS AT LOCK SIDE OF THE WINDOW. SEE "LOCK QUANTITY REQUIREMENTS TABLE" FOR LOCK POINT QUANTITY REQUIRED.
SNUBBERS: PELLA NUMBER F1059 SNUBBERS TO BE LOCATED AT THE HINGE SIDE. SEE "SNUBBER QUANTITY REQUIREMENTS TABLE" FOR SNUBBER QUANTITY REQUIRED.
OPERATOR: OPTION 1 = ROTO OPERATOR LOCATED AT SILL. OPTION 2 = PUSH-OUT
HINGE: OPTION 1 = BARREL HINGES AT TOP & BOTTOM OF HINGE SIDE. OPTION 2 = CAM HINGES AT TOP & BOTTOM OF SASH

NOTE: ALL HARDWARE SHALL BE THOSE MODELS AND BRANDS USED IN THE TESTING APPLICABLE TO THIS APPROVAL EXCEPT THAT VARIATIONS IN BAR LENGTHS MAY APPLY TO THE OPERATOR, HINGES & LOCKS AS REQUIRED TO MEET EACH WINDOW SIZE.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 12 PH OR HH SMS OR WOOD SCREW	1 1/4"	7/8"
MIN. 18 GA. 33 KSI METAL STUD	NO. 12 GR. 5 PH OR HH SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 12 GR. 5 PH OR HH SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 12 GR. 5 PH OR HH SELF TAP/DRILL SCREW	FULL	1/2"
(2) MIN. C-90 CMU	(1) 1/4" HH CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(1) 1/4" HH CONCRETE SCREW	1 1/2"	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) CMU APPLIES TO SIDES OF OPENINGS ONLY.

DRAWN BY: W.W.S. CHECKED BY: W.W.S.

PLOT: 1=16 DATE: 06/18/19

DATE	BY	REVISION DESCRIPTION	NO.

DRAWING TITLE
PELLA IMPACT ALUMINUM VENT CASEMENT WINDOWS

CONSULTANTS
PELLA CORPORATION
8291 FORSHEE DRIVE, UNIT 4
JACKSONVILLE, FL 32219
904-632-7400



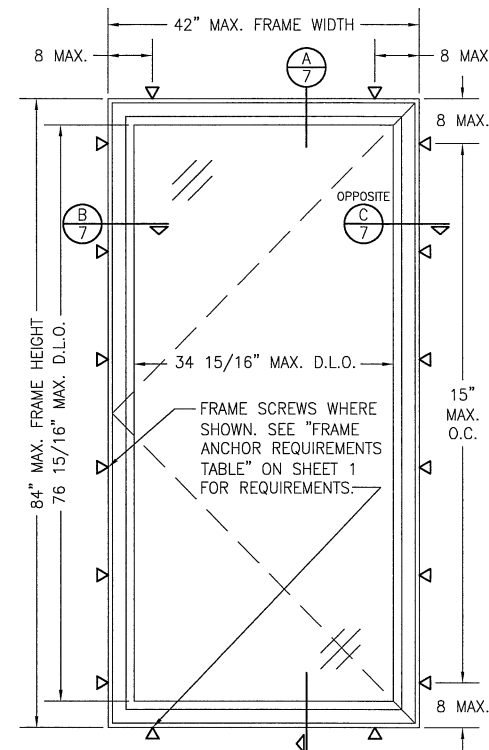
MANUFACTURER
W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6809)
7485 SOUTH SHORE DRIVE, SUITE 13418
PALM BEACH, FL 33418
PHONE: 561-744-3424

CERTIFICATION
W. W. SCHAEFER
No. 44135
SEP 03 2019
P.E. NO. 44135

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. 1958
SHEET NO. 1 OF 8

ALLOWABLE SINGLE WINDOW PRESSURE AND LOCK QUANTITY REQUIREMENTS TABLE						
MINIMUM NUMBER OF LOCK POINTS	MAXIMUM FRAME HEIGHT (IN.)	EQUIVALENT SASH HEIGHT (IN.)	MAXIMUM FRAME WIDTH (IN.)	EQUIVALENT SASH WIDTH (IN.)	ALLOWABLE PRESSURE (+/-PSF)	
					POS.	NEG.
6	84	82 13/16	42	40 13/16	80.0	80.0
	84	82 13/16	39	37 13/16	80.0	86.3
	84	82 13/16	36	34 13/16	80.0	93.8
	84	82 13/16	33	31 13/16	80.0	100.0
	78	76 13/16	42	40 13/16	80.0	86.2
	78	76 13/16	39	37 13/16	80.0	93.1
	78	76 13/16	36	34 13/16	80.0	100.0
	75	73 13/16	42	40 13/16	80.0	89.8
	75	73 13/16	39	37 13/16	80.0	96.9
5	75	73 13/16	37	35 13/16	80.0	100.0
	74 15/16	73 3/4	42	40 13/16	74.9	74.9
	74 15/16	73 3/4	39	37 13/16	80.0	80.8
	74 15/16	73 3/4	36	34 13/16	80.0	87.8
	74 15/16	73 3/4	33	31 13/16	80.0	96.0
	74 15/16	73 3/4	31	29 13/16	80.0	100.0
	72	70 13/16	42	40 13/16	78.0	78.0
	72	70 13/16	39	37 13/16	80.0	84.1
	72	70 13/16	36	34 13/16	80.0	91.4
	72	70 13/16	33	31 13/16	80.0	100.0
	66	64 13/16	42	40 13/16	80.0	85.2
	66	64 13/16	39	37 13/16	80.0	91.9
	66	64 13/16	36	34 13/16	80.0	99.9
	60	58 13/16	42	40 13/16	80.0	93.9
	60	58 13/16	39	37 13/16	80.0	100.0
4	59	57 13/16	42	40 13/16	80.0	95.5
	59	57 13/16	40	38 13/16	80.0	100.0
	58 15/16	57 3/4	42	40 13/16	76.5	76.5
	58 15/16	57 3/4	39	37 13/16	80.0	82.5
	58 15/16	57 3/4	36	34 13/16	80.0	89.7
	58 15/16	57 3/4	33	31 13/16	80.0	98.1
	58 15/16	57 3/4	32	30 13/16	80.0	100.0
	54	52 13/16	42	40 13/16	80.0	83.6
	54	52 13/16	39	37 13/16	80.0	90.3
	54	52 13/16	36	34 13/16	80.0	98.0
	54	52 13/16	35	33 13/16	80.0	100.0
	51	49 13/16	42	40 13/16	80.0	88.7
	51	49 13/16	39	37 13/16	80.0	95.7
	51	49 13/16	37	35 13/16	80.0	100.0
	3	48	46 13/16	42	40 13/16	80.0
48		46 13/16	39	37 13/16	80.0	100.0
45		43 13/16	42	40 13/16	80.0	100.0
38 15/16		37 3/4	42	40 13/16	80.0	87.7
38 15/16		37 3/4	39	37 13/16	80.0	94.7
38 15/16		37 3/4	37	35 13/16	80.0	100.0
36		34 13/16	42	40 13/16	80.0	95.2
36		34 13/16	40	38 13/16	80.0	100.0
2	34	32 13/16	42	40 13/16	80.0	100.0
	30 15/16	29 3/4	42	40 13/16	74.2	74.2
	30 15/16	29 3/4	39	37 13/16	80.0	80.1
	30 15/16	29 3/4	36	34 13/16	80.0	87.0
	30 15/16	29 3/4	33	31 13/16	80.0	95.2
	30 15/16	29 3/4	31	29 13/16	80.0	100.0
	27	25 13/16	42	40 13/16	80.0	85.6
	27	25 13/16	39	37 13/16	80.0	92.3
	27	25 13/16	36	34 13/16	80.0	100.0
	24	22 13/16	42	40 13/16	80.0	96.8
24	22 13/16	40	38 13/16	80.0	100.0	
23	21 13/16	42	40 13/16	80.0	100.0	



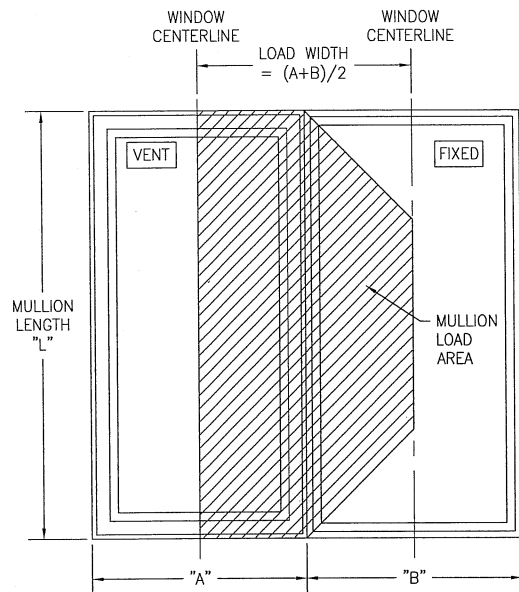
EXTERIOR ELEVATION:
SINGLE CASEMENT WINDOW
SCALE: 3/4" = 1'-0"

ALLOWABLE DESIGN PRESSURE (SINGLE WINDOWS) FOR ALLOWABLE DESIGN PRESSURE ON SINGLE WINDOWS, SEE PRESSURE TABLES ON THIS SHEET.
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SINGLE WINDOW PRESSURE TABLE NOTES:

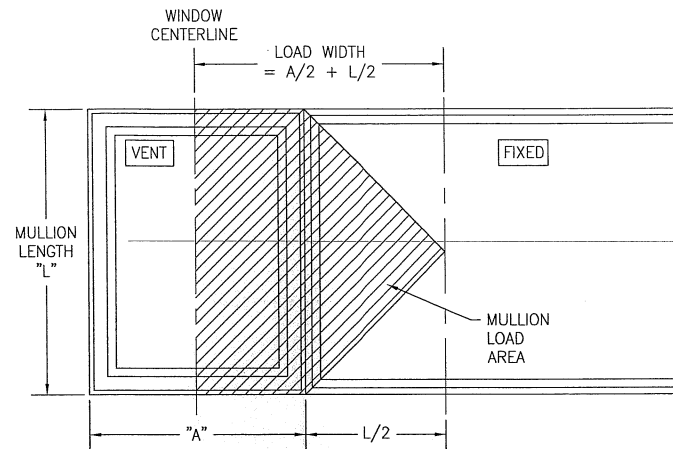
1. WINDOW ALLOWABLE DESIGN PRESSURE SHALL BE THE LESSER OF THAT STATED IN EACH THE "LOCK REQUIREMENTS TABLE" & "SNUBBER REQUIREMENTS TABLE".
2. WINDOWS WITH REQUIRED NEGATIVE DESIGN PRESSURE IN EXCESS OF -80 PSF MUST HAVE GLASS FROM GLASS OPTIONS 2A, 2B, 3A OR 3B.

DRAWING NO.	REV.
2	8
SHEET NO.	
CERTIFICATION	WASCO P.E. NO. 44135 P.E. NO. 44135
DATE	SEP 06 2019
CONSULTANTS	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
MATERIALS	PELLA CORPORATION 8291 FORSHEE DRIVE UNIT 4 JACKSONVILLE, FL 32219 904-632-7400
TITLE	PELLA IMPACT ALUMINUM VENT CASEMENT WINDOWS
NO.	REVISION DESCRIPTION
BY	DATE
PLT:	1=16
DRAWN BY:	W.S.
CHECKED BY:	W.H.S.
DATE:	06/18/19



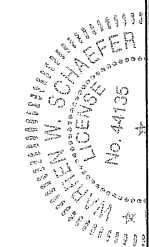
LOAD WIDTH OF A VENT-FIXED COMBINATION
WHEN THE FIXED WINDOW WIDTH IS LESS
THAN THE MULLION SPAN

NOTE: LOAD WIDTH FOR VENT-VENT COMBINATIONS IS
ALSO $A+B/2$ EXCEPT LOAD AREA IS RECTANGULAR BOTH
SIDES OF MULLION.



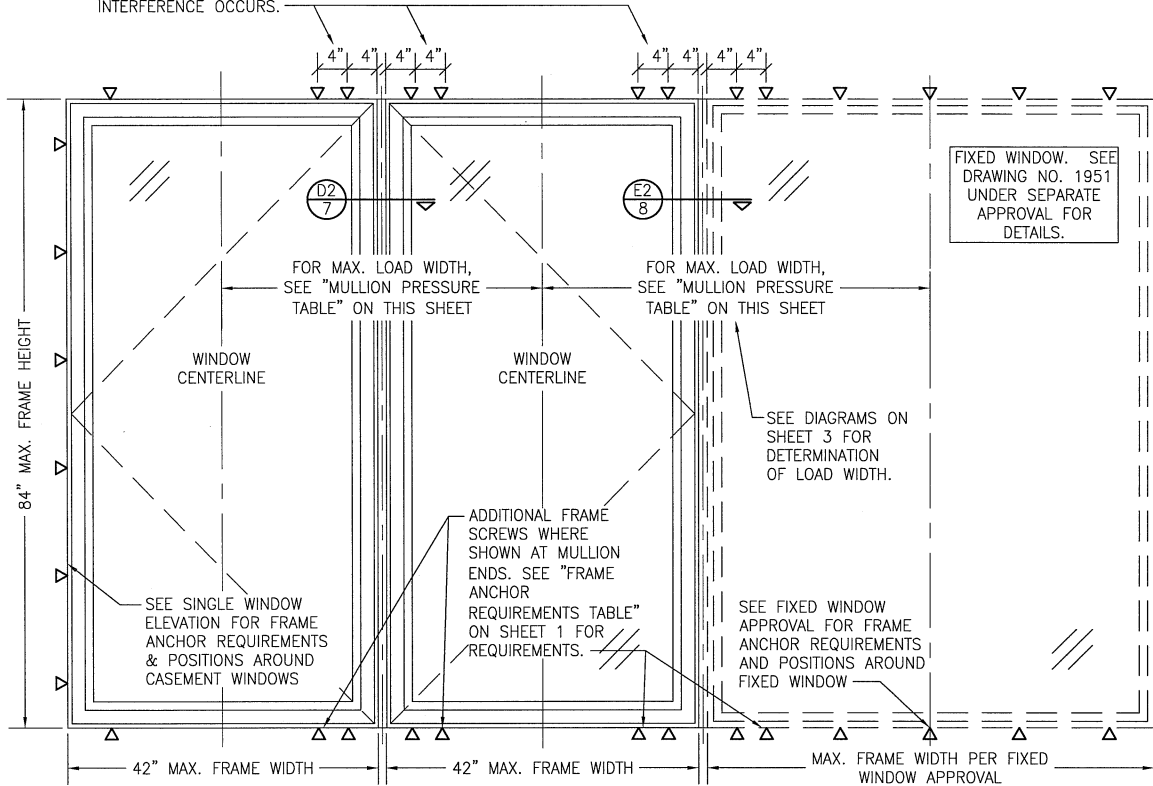
LOAD WIDTH OF A VENT-FIXED COMBINATION WHEN
THE FIXED WINDOW WIDTH IS GREATER THAN OR
EQUAL TO THE MULLION SPAN

MULLION LOAD WIDTH DETERMINATION



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 05/18/19	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: PELLA IMPACT ALUMINUM VENT CASEMENT WINDOWS CONSULTANTS: PELLA CORPORATION W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH, SUITE 118 PALM BEACH, FL 33418 PHONE: 561-744-3424 MANUFACTURER: Pella 8291 FORSHEE DRIVE, UNIT 4 JACKSONVILLE, FL 32219 904-632-7400			
DRAWING NO. 1958		REV.	
SHEET NO. 3		OF 8	

THIS DIMENSION MAY BE INCREASED TO 7" AT THE SILL IF OPERATOR INTERFERENCE OCCURS.



EXTERIOR ELEVATION:

MULTIPLE CASEMENT/FIXED WINDOWS WITH TUBE REINFORCED MULLIONS

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

MULTIPLE UNIT NOTES:

1. FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION.
2. 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.
3. XXO UNIT IS SHOWN. ALL QUANTITIES OF OPERABLE TO OPERABLE AND OPERABLE TO FIXED APPLY UNDER THE GUIDELINES OF NOTE 2 ABOVE.

TUBE REINFORCED MULLION ALLOWABLE DESIGN PRESSURE

MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE			
		VENT TO VENT		VENT TO FIXED	
		POS.	NEG.	POS.	NEG.
84	GREATER THAN 42	N/A	N/A	80.0	80.0
	42	80.0	80.0	80.0	80.0
	39	80.0	86.2	80.0	86.2
	36	80.0	93.3	80.0	93.3
	33	80.0	100.0	80.0	100.0
78	GREATER THAN 42	N/A	N/A	80.0	86.2
	42	80.0	86.2	80.0	86.2
	39	80.0	92.8	80.0	92.8
	36	80.0	100.0	80.0	100.0
	33	80.0	100.0	80.0	100.0
72	GREATER THAN 42	N/A	N/A	80.0	93.3
	42	80.0	93.3	80.0	93.3
	39	80.0	100.0	80.0	100.0
69	GREATER THAN 42	N/A	N/A	80.0	97.4
	42	80.0	97.4	80.0	97.4
	40	80.0	100.0	80.0	100.0
67	GREATER THAN 42	N/A	N/A	80.0	100.0
	42	80.0	100.0	80.0	100.0

MULLION PRESSURE TABLE NOTES:

1. SEE ELEVATION FOR DIMENSIONING OF LOAD WIDTH.
2. ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT SPECIFIED FOR THE INDIVIDUAL WINDOWS.

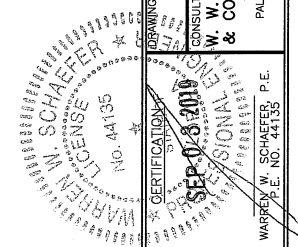
DRAWN BY: W.W.S. CHECKED BY: W.W.S.
PLOT: 1=16 DATE: 06/18/19

DATE	BY	REVISION	DESCRIPTION

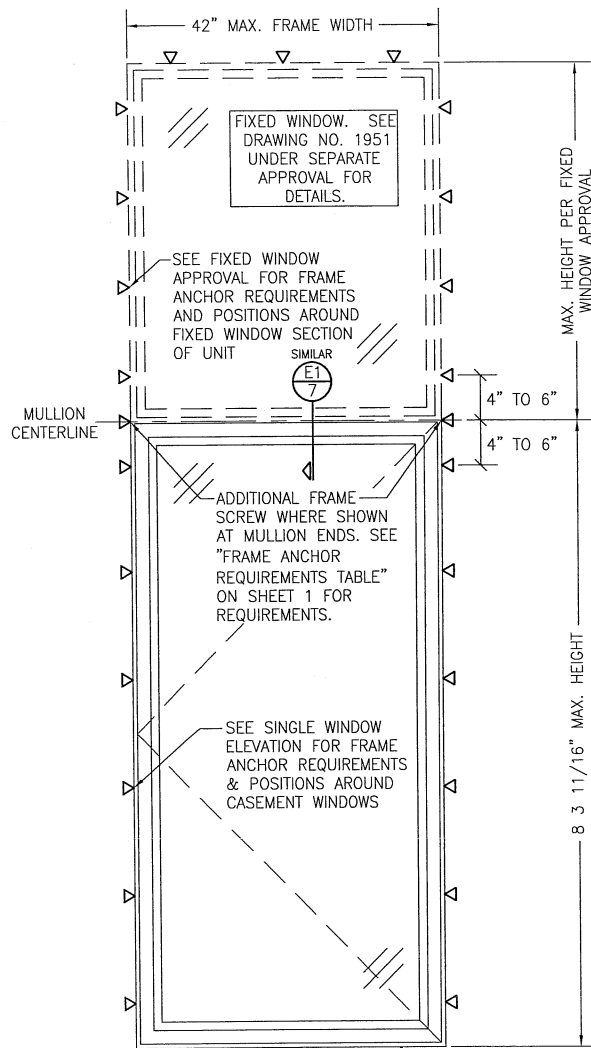
PELLA CORPORATION
8291 FORSHEE DRIVE, UNIT 4
JACKSONVILLE, FL 32219
904-632-7400



PELLA IMPACT ALUMINUM VENT CASEMENT WINDOWS
CONSULTANTS
W. W. SCHAEFER, P.E. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424



DRAWING NO. 1958
SHEET NO. 5 OF 8



**EXTERIOR ELEVATION:
CASEMENT WITH TRANSOM &
INTEGRAL MULLIONS**

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

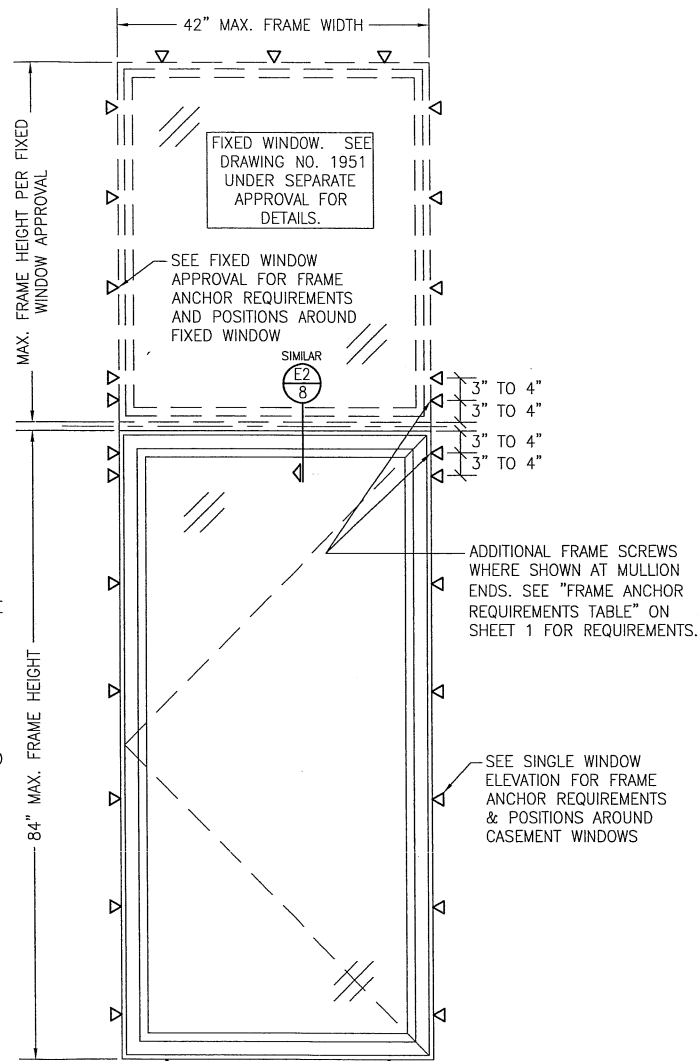
MULTIPLE UNIT NOTES:

1. FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION.
2. THERE IS NO LIMIT ON THE NUMBER OF WINDOWS THAT MAY BE COMBINED VERTICALLY INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE WINDOWS & THEIR MULLIONS.
3. O/X UNITS ARE SHOWN. ALL QUANTITIES OF OPERABLE TO OPERABLE AND OPERABLE TO FIXED APPLY UNDER THE GUIDELINES OF NOTE 2 ABOVE.

**MULLION ALLOWABLE
DESIGN PRESSURE
(HORIZONTAL MULLIONS)**

+/-100 PSF

ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT SPECIFIED FOR THE INDIVIDUAL WINDOWS.



**CASEMENT WITH TRANSOM & TUBE
REINFORCED MULLIONS**

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

DRAWN BY: W.W.S.
CHECKED BY: W.W.S.
PLOT: 1-15
DATE: 06/18/19

DATE	BY	REVISION DESCRIPTION	NO

PELLA IMPACT ALUMINUM VENT CASEMENT WINDOWS

Pella CORPORATION
8291 FORSHEE DRIVE, UNIT 4
JACKSONVILLE, FL 32219
904-632-7400



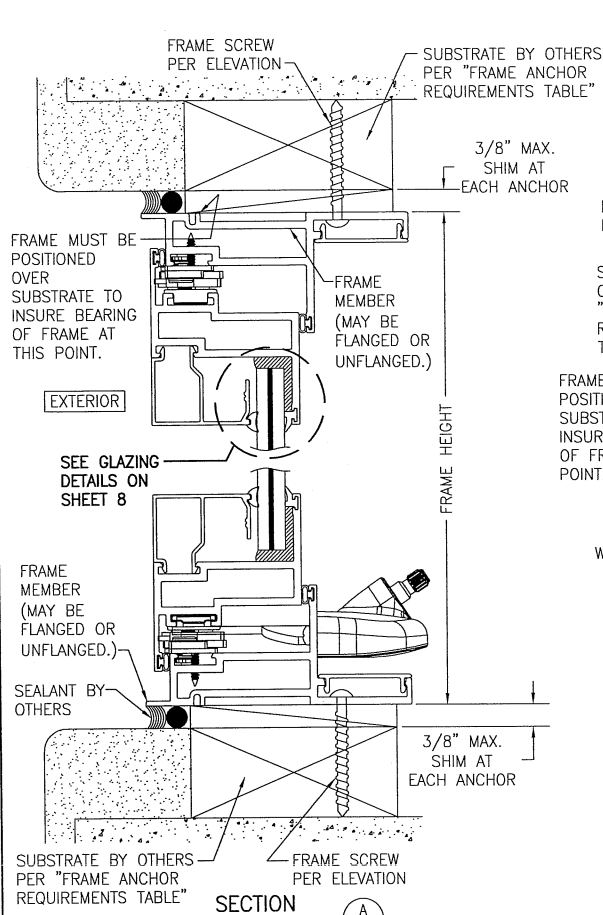
**W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6809)**
7480 155TH COURT NORTH, SUITE 118
PALM BEACH, FL 33418
PHONE: 561-744-3424

DRAWING TITLE

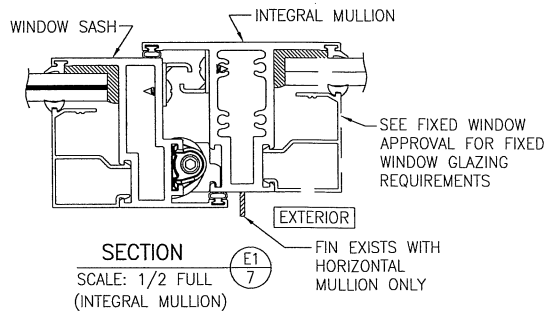
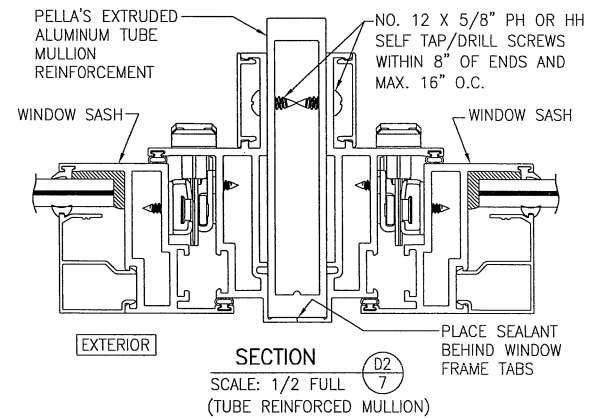
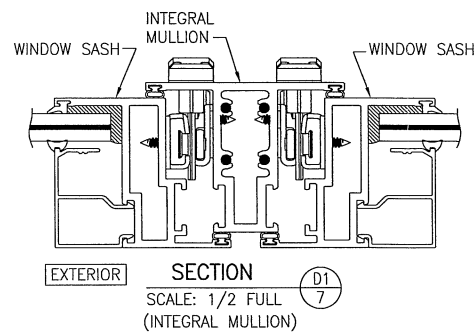
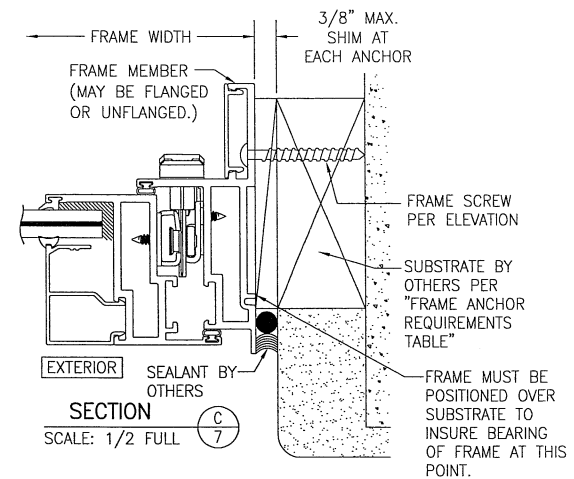
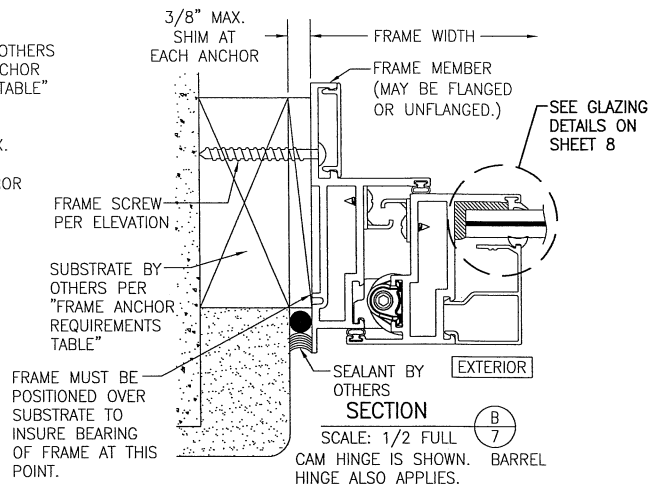
CERTIFICATION OF

DRAWING NO. 1958
SHEET NO. 6 OF 8

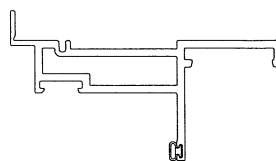
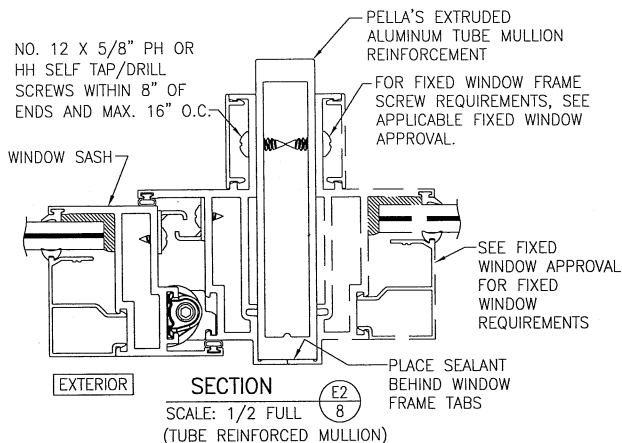




SECTION IS SHOWN WITH ROTO OPERATOR AND CAM HINGE. PUSH-OUT CONDITION ALSO APPLIES.



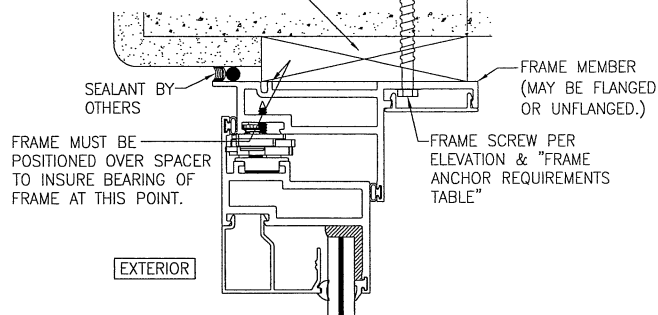
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLT: 1-16	DATE: 06/18/19
DATE	
BY	
REVISION DESCRIPTION	
NO.	
PELLA IMPACT ALUMINUM VENT CASEMENT WINDOWS	
PELLA CORPORATION	
8291 FORSHEE DRIVE, UNIT 4	
JACKSONVILLE, FL 32219	
904-632-7400	
MANUFACTURER	
CONSULTANTS	
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7480 150TH COURT NORTH, SUITE 118	
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PHONE: 904-744-3424	
DRAWING TITLE	
W. W. SCHAEFER	
No. 44135	
SEP 03 2019	
DRAWING NO. 1958	
SHEET NO. 7 OF 8	
WARREN W. SCHAEFER, P.E. No. 44135	



OPTIONAL FLANGED FRAME

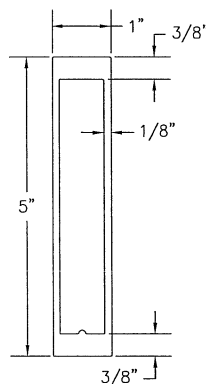
- INSTALLATION SECTIONS/DETAILS HERE-IN ARE SHOWN WITH A FLANGE-LESS FRAME MEMBER. A FLANGED FRAME ALSO APPLIES EXCEPT SEALANT IS TYPICALLY PLACED BEHIND THE FLANGE BETWEEN IT AND THE SUBSTRATE OR FINISH.
- FLANGE-LESS FRAME MEMBER IS THE FLANGED MEMBER WITHOUT THE FLANGE.

CONTINUOUS WOOD MEMBER LESS IN THICKNESS THAN A 2X BUCK TO BE MIN. 3 1/2" DEEP (NOT REQUIRED WHEN SHIM SPACE IS WITHIN ALLOWABLE DIMENSIONS SHOWN IN SECTIONS). NAIL OR SCREW TO SUBSTRATE AS REQUIRED TO POSITION AND SECURE IN PLACE.

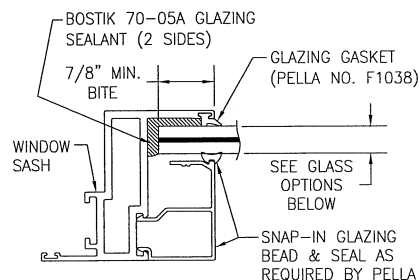


OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



TUBE MULLION REINFORCEMENT (6063-T6 ALUMINUM)

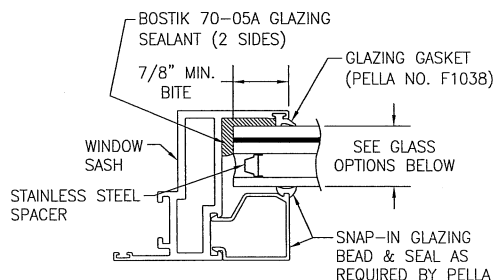


TYPICAL GLAZING DETAIL (NON-I.G. CONDITION)

NON-I.G. GLASS OPTIONS:

- OPTION 1A: 5/16" LAMINATED GLASS (1/8 AN/0.09 KURARAY PVB/1/8 AN)
- OPTION 2A: 7/16" LAMINATED GLASS (3/16 AN/0.09 KURARAY PVB/3/16 AN)
- OPTION 3A: 9/16" LAMINATED GLASS (1/4 HS/0.09 KURARAY SG/1/4 HS)

GLASS EDGE SHIM REQUIREMENTS (NON-I.G. & I.G):
MIN. 1/8" THICK X 2" LONG FLEXIBLE PVC SHIMS
APPROXIMATELY 3" OFF CORNERS AND 16" MAX.
O.C. AT ALL SIDES. WIDTH OF SHIM SHALL BE AS
REQUIRED TO MEET THE OVERALL GLASS THICKNESS.



TYPICAL GLAZING DETAIL (I.G. CONDITION)

I.G. GLASS OPTIONS:

- OPTION 1B: 1" THICK I.G. GLASS (1/8" AN/0.09 KURARAY PVB/1/8 AN INTERIOR; 1/2" SPACER; MIN. 1/8" ANNEALED OR TEMPERED EXTERIOR)
- OPTION 2B: 1" THICK I.G. GLASS (3/16" AN/0.09 KURARAY PVB/3/16 AN INTERIOR; 3/8" SPACER; MIN. 3/16" ANNEALED OR TEMPERED EXTERIOR)
- OPTION 1B: 1 1/4" THICK I.G. GLASS (1/4" HS/0.09 KURARAY SG/1/4 HS INTERIOR; 1/2" SPACER; MIN. 3/16" HS OR TEMPERED EXTERIOR)

NOTE: WHEN SILL HEIGHT OF WINDOW EXCEEDS 30 FT. ABOVE GRADE, THE EXTERIOR PANE OF I.G. GLASS MUST BE TEMPERED.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 06/18/19
DATE	
BY	
REVISION DESCRIPTION	
NO.	
PELLA IMPACT ALUMINUM VENT CASEMENT WINDOWS	
PELLA CORPORATION 8291 FORSHEE DRIVE: UNIT 4 JACKSONVILLE, FL 32219 904-632-7400	
MANUFACTURER	
CONSULTANTS W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
DRAWING TITLE	
W. SCHAEFER ENGINEERING & CONSULTING, P.A. No. 44135	
CERTIFICATION	
SEP 03 2019	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO.	REV.
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8	OF 8