

GENERAL NOTES:

1. ALL FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. THESE NON-IMPACT RATED PRODUCT INSTALLATIONS ARE IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC).
4. 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.
5. 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.
6. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS CERTIFIED & 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. PRODUCT ASSEMBLY IS NOT PART OF THIS DRAWING AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
7. CERTIFICATION OF THESE PRODUCT INSTALLATIONS SHALL BE CONSIDERED VOID IF ANY OF THE FOLLOWING APPLY: 1) PRODUCT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL EXPERIENCED DEPARTMENT. 2) PRODUCT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT. 3) IF CHANGES HAVE OCCURRED TO THE PRODUCT'S CERTIFICATION ENTITY'S CERTIFICATE THAT CAUSE THESE INSTALLATIONS TO BE INCORRECT OR INCONSISTENT WITH WHAT HAS BEEN TESTED.
8. THE LEAST DESIGN PRESSURE SPECIFIED EITHER IN THIS DRAWING OR IN THE PRODUCTS CERTIFICATION SHALL CONTROL FOR THE INSTALLED PRODUCT.
9. THESE DRAWINGS CERTIFY THE PRODUCT INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED PRODUCT IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER &/OR INSTALLER.

ALTERNATE ANCHOR/SUBSTRATE EVALUATION NOTE:

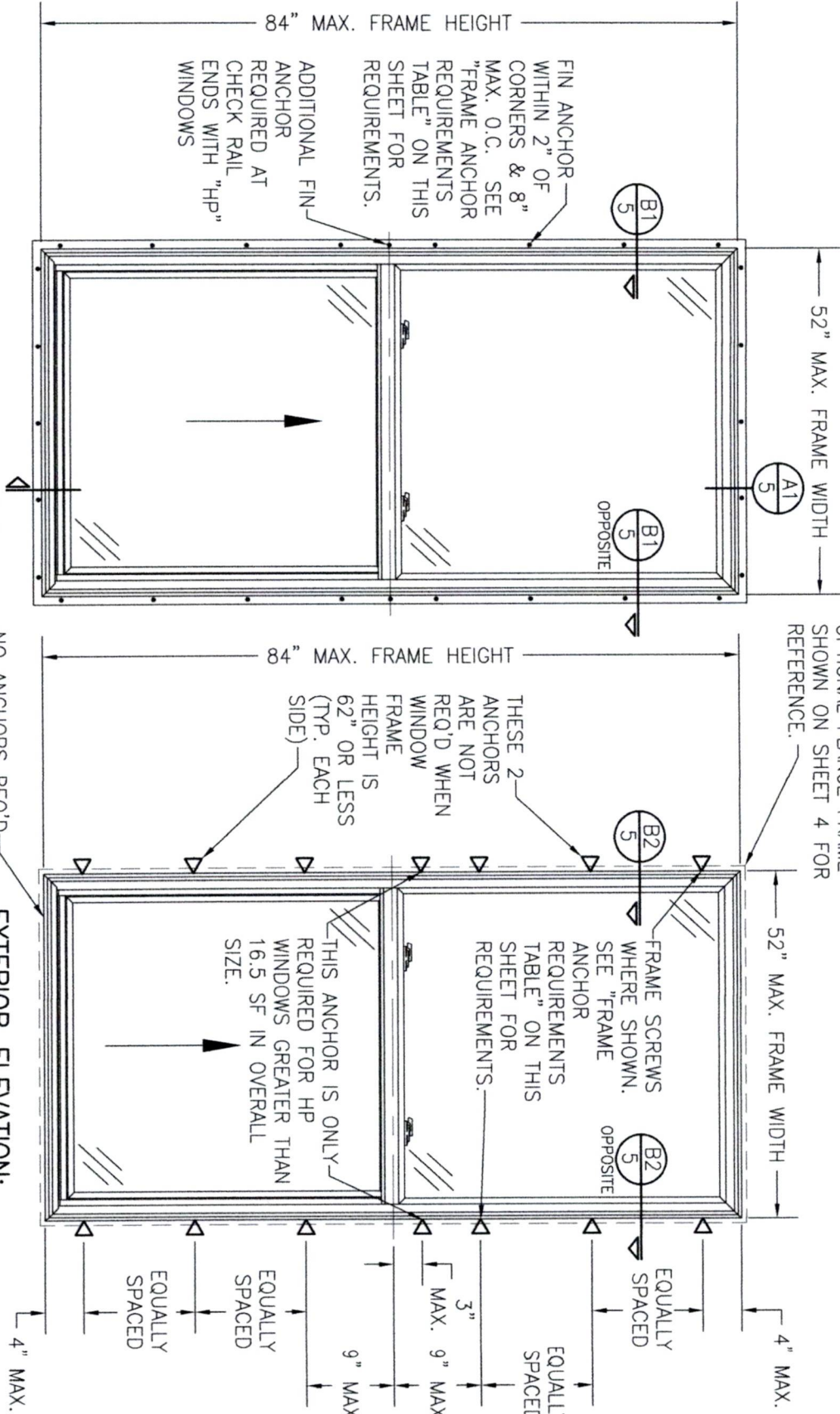
ALL ALTERNATE ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE EQUIVALENT TO OR STRONGER THAN THE ANCHOR(S) USED IN TESTING WITH THIS PRODUCT.

INSTALLATION EVALUATION IS BASED ON APPLICABLE ANCHOR 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 INSTALLATION EVALUATION ENGINEER OF RECORD THAT THE INSTALLATIONS SPECIFIED HERE-IN ARE CURRENT WITH THE THEN CURRENT TESTING, CODE AND APPLICABLE STANDARDS.

FRAME ANCHOR REQUIREMENTS TABLE

| OPENING TYPE<br>(SUBSTRATE)                          | FRAME/CLIP/NAIL FIN TO<br>OPENING FASTENER TYPE | MINIMUM<br>EMBED | MINIMUM<br>EDGE DIST. |
|------------------------------------------------------|-------------------------------------------------|------------------|-----------------------|
| (1) FRAME SCREWS (SERIES 20)                         |                                                 |                  |                       |
| MIN. 2X4 WOOD FRAME OR BUCK<br>(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"                  |
| C-90 CMU/2500 PSI CONCRETE                           | (2) 1/4" CONCRETE SCREW                         | 1 1/4"           | 2"                    |
| (1) INSTALLATION CLIP SCREWS (SERIES 20)             |                                                 |                  |                       |
| MIN. 2X4 WOOD FRAME OR BUCK<br>(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"                  |
| C-90 CMU/2500 PSI CONCRETE                           | (2) 1/4" CONCRETE SCREW                         | 1 1/4"           |                       |
| NAILING FIN FASTENERS (SERIES 10)                    |                                                 |                  |                       |
| MIN. 2X4 WOOD FRAME OR BUCK<br>(MIN. GR. 3 & G=0.55) | (3) NO. 8 X 1 1/2" SMS                          | 1 3/8"           | 1/2"                  |
| MIN. 2X4 WOOD FRAME OR BUCK<br>(MIN. GR. 3 & G=0.55) | (4) 2" X 11 GA. ROOFING NAIL                    | 1 7/8"           | 1/2"                  |
| MIN. 1/8" THK A36 STEEL                              | (3) NO. 8 GR. 5 SELF TAP/DRILL SCREW            | FULL             | 1/2"                  |
| MIN. 1/8" THK 6063-T5 ALUM.                          | (3) NO. 8 GR. 5 SELF TAP/DRILL SCREW            | FULL             | 1/2"                  |

- (1) FRAME SCREWS SHALL BE PAN HEAD OR HEX HEAD SCREW
- (2) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
- (3) WHEN SCREWS ARE USED WITH THE NAIL FIN, THEY MUST BE A WAFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.
- (4) ROOFING NAILS ARE ONLY APPLICABLE WITH STANDARD PERFORMANCE WINDOWS (N/A WITH HIGH PERFORMANCE WINDOWS)



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.

WINDOW FLANGE IS OPTIONAL WHEN A FLANGE FRAME IS USED. SEE OPTIONAL FLANGE FRAME SHOWN ON SHEET 4 FOR REFERENCE.

EXTERIOR ELEVATION:  
SINGLE WINDOW

(FRAME SCREW INSTALLED SERIES 20)

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

ALLOWABLE DESIGN PRESSURE  
(SINGLE WINDOW)

| WINDOW SIZE | MAX. FRAME WIDTH (IN.) | MAX. FRAME HEIGHT (IN.) | STILE REINFORCEMENT | FIXED SASH MEETING RAIL REINFORCEMENT | ACTIVE SASH MEETING RAIL REINFORCEMENT | ALLOWABLE PRESSURE (POSITIVE & NEGATIVE) (PSF) |
|-------------|------------------------|-------------------------|---------------------|---------------------------------------|----------------------------------------|------------------------------------------------|
| (2) 36      | 59.5                   | NO                      | NO                  | NO                                    | YES                                    | 35                                             |
| (2) 36      | 72                     | YES                     | YES                 | NO                                    | YES                                    | 35                                             |
| (2) 42      | 72                     | YES                     | YES                 | YES                                   | YES                                    | 50                                             |
| (2) 48      | 59.5                   | NO                      | YES                 | YES                                   | YES                                    | 35                                             |
| (2) 48      | 72                     | YES                     | YES                 | YES                                   | YES                                    | 35                                             |
| (1) 48      | 84                     | YES                     | YES                 | YES                                   | YES                                    | 35                                             |
| (2) 52      | 62                     | YES                     | YES                 | YES                                   | YES                                    | 50                                             |

WINDOW HAS A MAXIMUM 35" TALL BOTTOM VENT.

(2) WINDOW HAS EQUAL TOP & BOTTOM VENTS.

PRESSURE SHOWN IN THIS TABLE IS FOR INSTALLATION CONDITIONS ONLY. THE GOVERNING DESIGN PRESSURE ON THE WINDOWS SHALL BE THE LESSER OF THAT SHOWN IN THE INDIVIDUAL WINDOW'S APPROVAL OR THAT SHOWN IN THIS TABLE.



Digitally signed  
by Warren W  
Schaefer  
Date: 2023.01.30  
14:00:15 -05'00'

CERTIFICATION

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

DRAWING TITLE

SERIES 10/20 VINYL SINGLE HUNG WINDOW

CONSULTANTS

W. W. SCHAEFER ENGINEERING  
& CONSULTING, P.A. (CA 6809)  
26376 NADIR ROAD; UNIT 309  
PUNTA GORDA, FL 33983  
PHONE: 561-744-3424

MANUFACTURER



PELLA CORPORATION  
2000 PROLINE PLACE  
GETTYSBURG, PA 17325  
717-334-0099

| NO. | REVISION DESCRIPTION         | BY     | DATE     |
|-----|------------------------------|--------|----------|
| G1  | UPDATE TO PRESENT STANDARDS  | W.W.S. | 01/30/20 |
| H1  | ADD FLANGE FRAME OPTION      | W.W.S. | 01/24/22 |
| J1  | UPDATE PER NEW TESTING       | W.W.S. | 12/15/22 |
| D1  | UPDATE CONSULTANTS ADDRESS   | W.R.M. | 11/02/11 |
| E1  | CHANGE FRAME MEMBER PROFILES | W.W.S. | 01/13/15 |
| F1  | UPDATE PER NEW TESTING       | W.W.S. | 09/14/17 |

DRAWN BY: W.R.M. CHECKED BY: W.W.S.

PLOT: 1=16 DATE: 01/30/08

CERTIFICATION

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

DRAWING TITLE

SERIES 10/20 VINYL SINGLE HUNG WINDOW

CONSULTANTS

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PHONE: 561-744-3424

MANUFACTURER

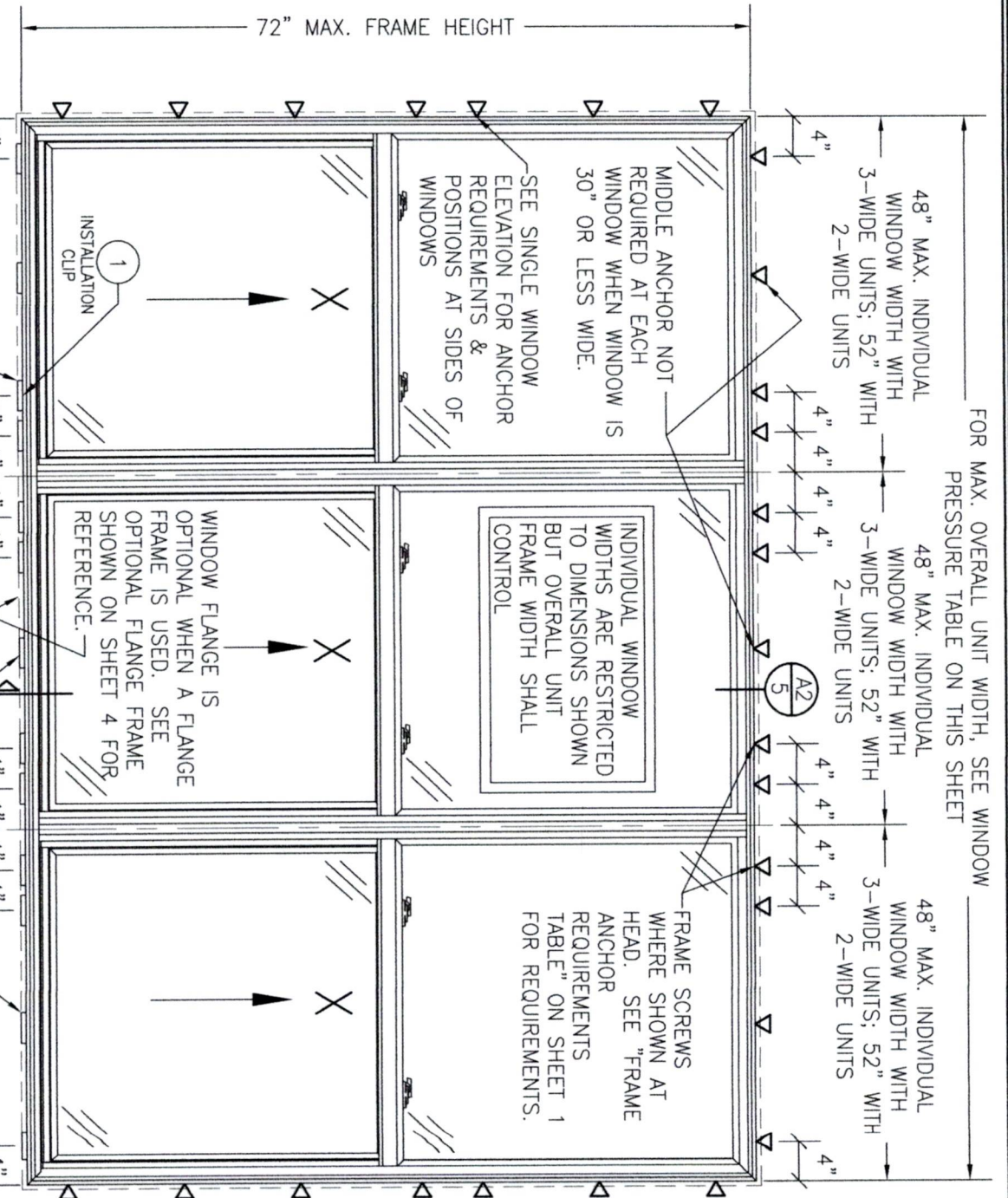
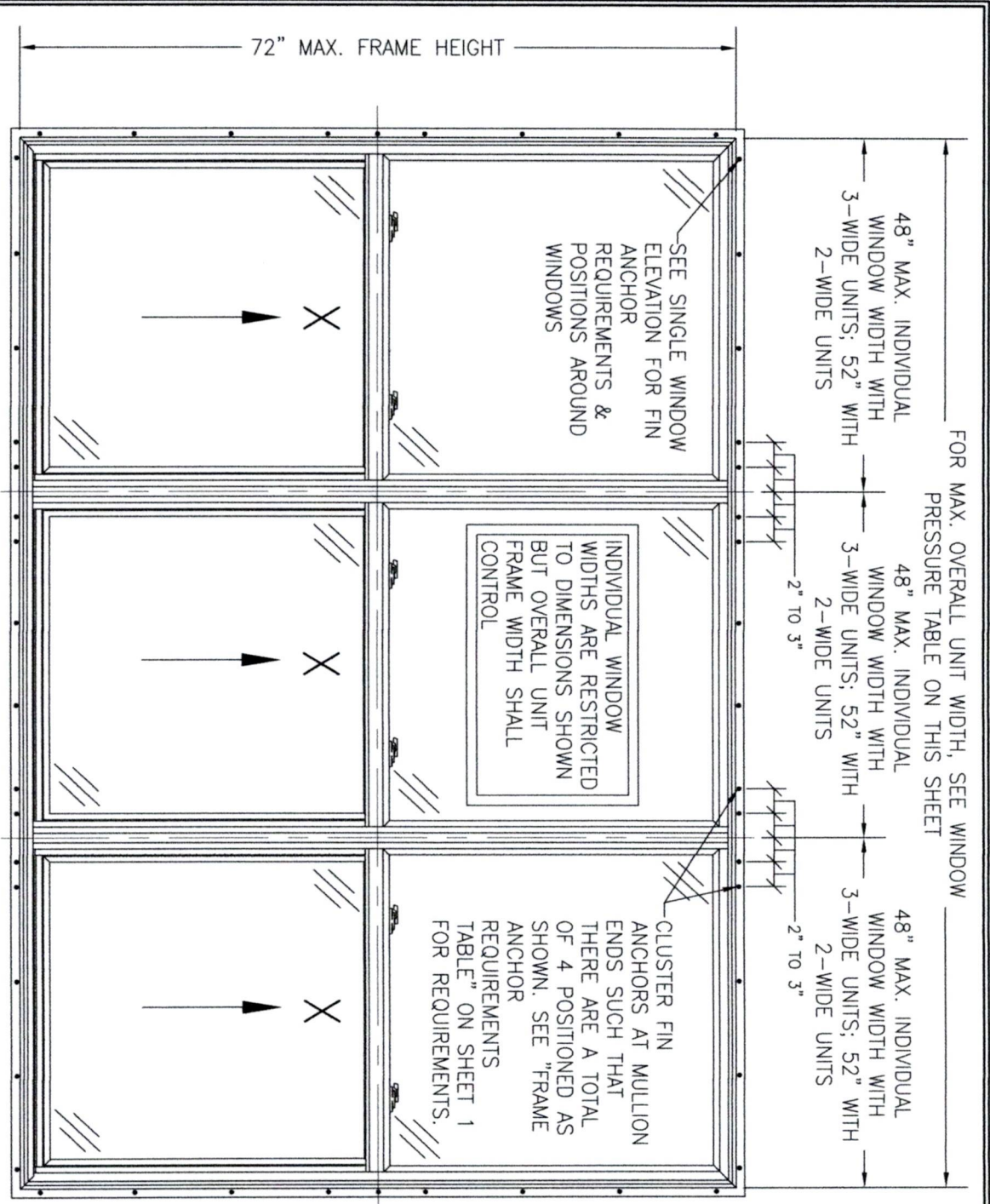


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GETTYSBURG, PA 17325  
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| J1  | UPDATE PER NEW TESTING       | W.W.S. | 12/15/22 |
| D1  | UPDATE CONSULTANTS ADDRESS   | W.R.M. | 11/02/11 |
| E1  | CHANGE FRAME MEMBER PROFILES | W.W.S. | 01/13/15 |
| F1  | UPDATE PER NEW TESTING       | W.W.S. | 09/14/17 |

DRAWN BY: W.R.M. CHECKED BY: W.W.S.

PLOT: 1=16 DATE: 01/30/08



EXTERIOR ELEVATION:  
MULTIPLE WINDOWS  
(FIN INSTALLED SERIES 10)

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

ALLOWABLE DESIGN PRESSURE (DOUBLE & TRIPLE WINDOWS)

| OVERALL WINDOW SIZE    | MULLION REINFORCEMENT TYPE | STILE REINFORCEMENT | FIXED SASH MEETING RAIL REINFORCEMENT | ACTIVE SASH MEETING RAIL REINFORCEMENT | ALLOWABLE PRESSURE (POSITIVE & NEGATIVE) (PSF) |
|------------------------|----------------------------|---------------------|---------------------------------------|----------------------------------------|------------------------------------------------|
| MAX. FRAME WIDTH (IN.) | MAX. FRAME HEIGHT (IN.)    |                     |                                       |                                        |                                                |

DOUBLE WINDOWS

|       |      |       |     |     |     |         |
|-------|------|-------|-----|-----|-----|---------|
| 72    | 53.5 | N/A   | NO  | NO  | YES | 35      |
| 72    | 59.5 | I-BAR | NO  | NO  | YES | 35      |
| 72    | 65.5 | I-BAR | YES | YES | YES | 50      |
| 72    | 72   | I-BAR | YES | NO  | YES | 40      |
| 96.5  | 53.5 | N/A   | NO  | YES | YES | 35      |
| 96.5  | 59.5 | I-BAR | NO  | YES | YES | 35      |
| 96.5  | 72   | I-BAR | YES | YES | YES | 35      |
| 104.5 | 62   | I-BAR | YES | YES | YES | +35/-50 |
| 104.5 | 62   | I-BAR | YES | YES | YES | +35/-40 |

TRIPLE WINDOWS

|     |      |       |     |    |     |    |
|-----|------|-------|-----|----|-----|----|
| 108 | 53.5 | N/A   | NO  | NO | YES | 35 |
| 109 | 59.5 | I-BAR | NO  | NO | YES | 35 |
| 109 | 72   | I-BAR | YES | NO | YES | 40 |

PRESSURE SHOWN IN THIS TABLE IS FOR INSTALLATION CONDITIONS ONLY. THE GOVERNING DESIGN PRESSURE ON THE WINDOWS SHALL BE THE LESSER OF THAT SHOWN IN THE INDIVIDUAL WINDOW'S APPROVAL OR THAT SHOWN IN THIS TABLE.

HP (HIGH PERFORMANCE) UNIT

FRAME SCREW INSTALLED UNIT  
NAIL FIN INSTALLED UNIT

NOTE:

1. ALL WINDOWS ARE RESTRICTED BY THE DIMENSIONS SPECIFIED.
2. TRIPLE WINDOW SHOWN. DOUBLE WINDOW ALSO APPLIES.
3. IF MORE THAN 3 WINDOWS ARE TO BE MULLED IN ONE OPENING, ALLOWABLE PRESSURE ON THOSE UNITS SHALL BE AS STATED FOR THE COMPARABLE TRIPLE UNIT.

EXTERIOR ELEVATION:  
MULTIPLE WINDOWS  
(FRAME SCREW INSTALLED SERIES 20)

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

MIDDLE ANCHOR NOT REQUIRED AT EACH WINDOW WHEN WINDOW IS 30" OR LESS WIDE.

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|-----------|----------------------|----|------|
| DRAWN BY: | CHECKED BY:          |    |      |
| W.R.M.    | W.M.S.               |    |      |
| PLT: 1=16 | DATE: 01/30/08       |    |      |
| NO.       | REVISION DESCRIPTION | BY | DATE |
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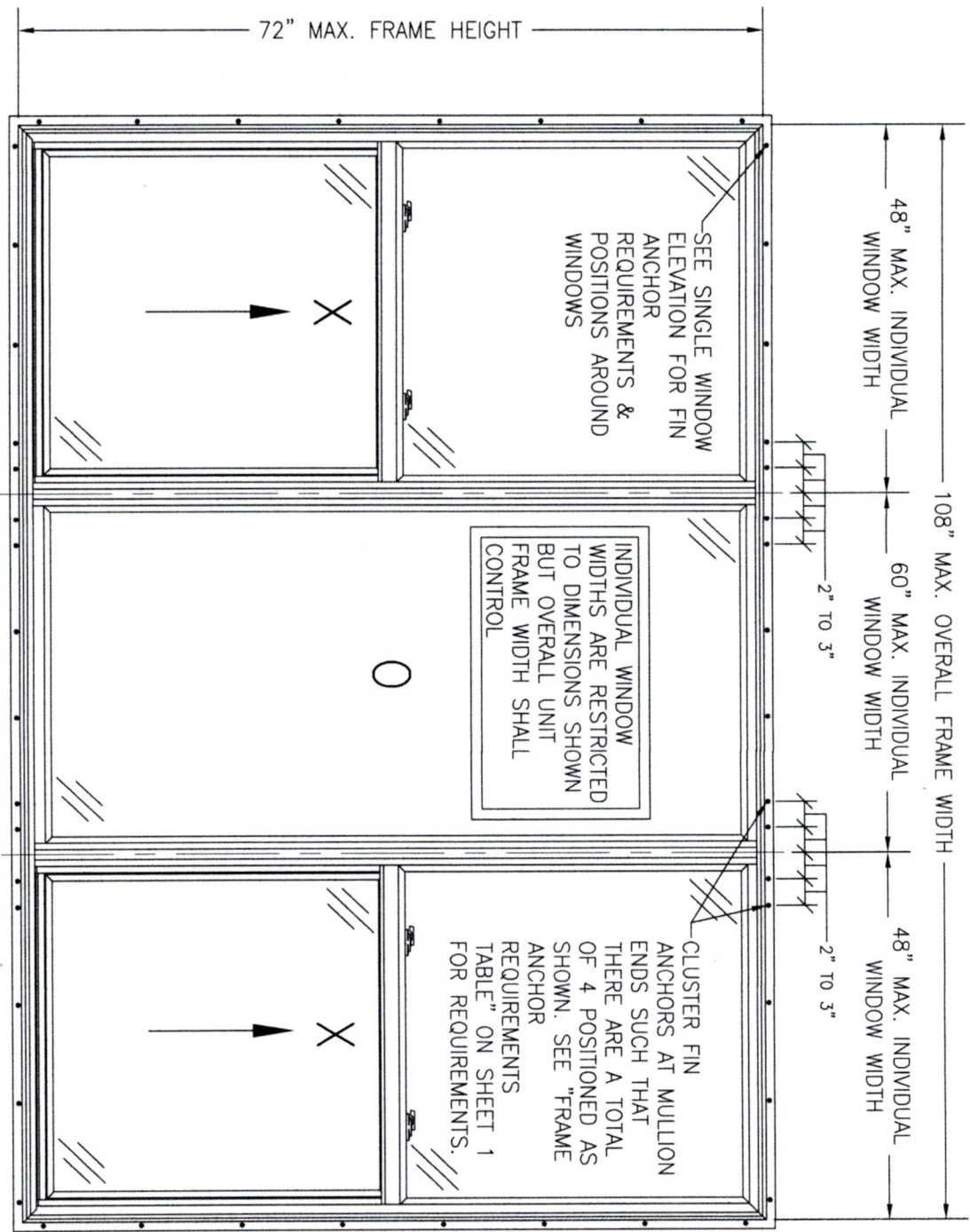


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SERIES 10/20 VINYL SINGLE HUNG WINDOW

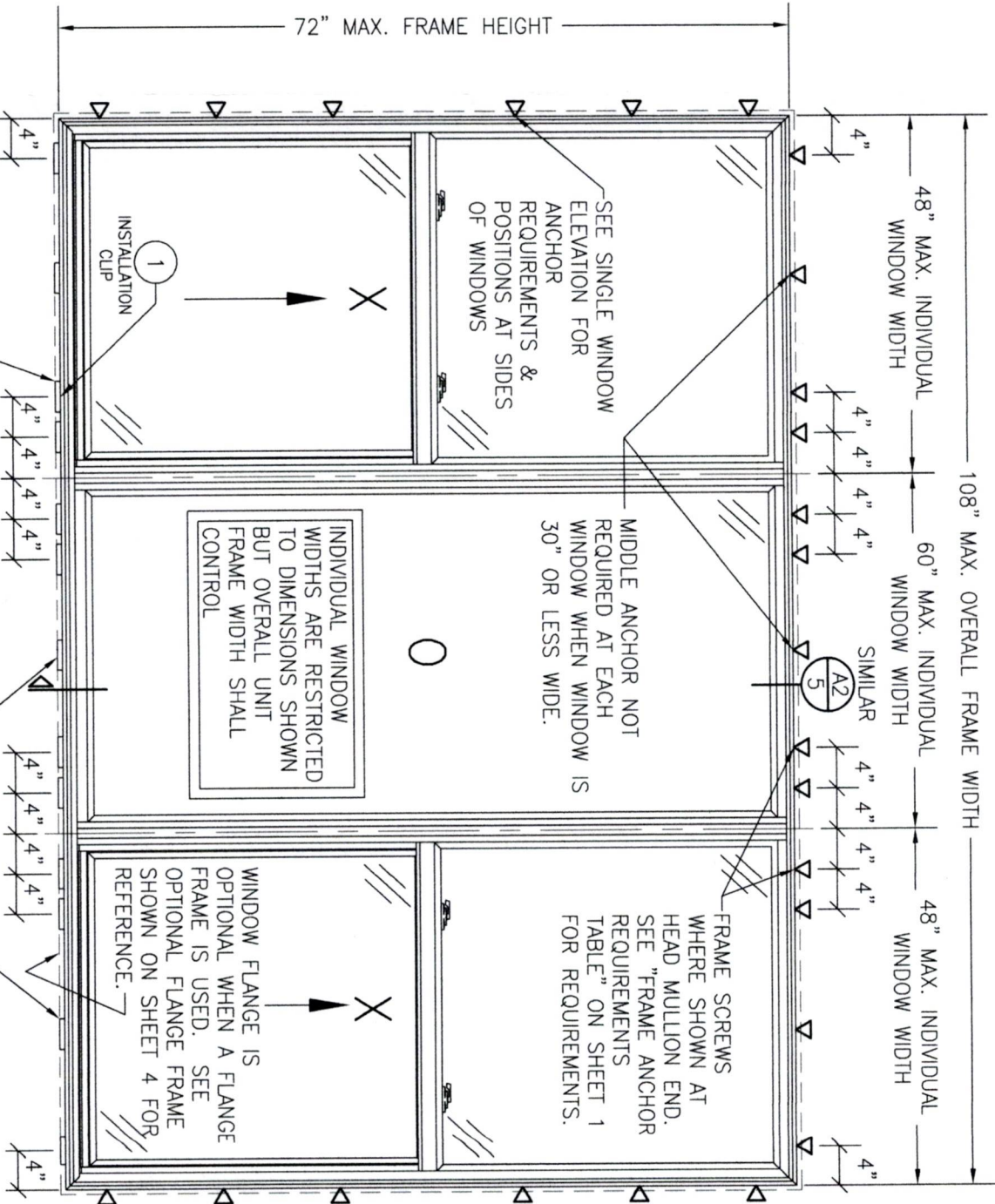
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EXTERIOR ELEVATION:

MULTIPLE OPERABLE/FIXED WINDOWS  
(FIN INSTALLED SERIES 10)

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



EXTERIOR ELEVATION:

MULTIPLE OPERABLE/FIXED WINDOWS  
(FRAME SCREW INSTALLED SERIES 20)

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

ALLOWABLE DESIGN PRESSURE  
(XOX WINDOWS)

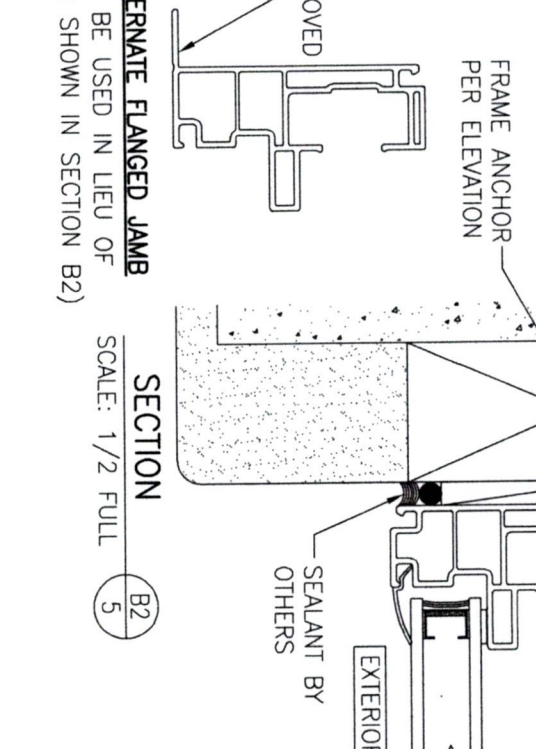
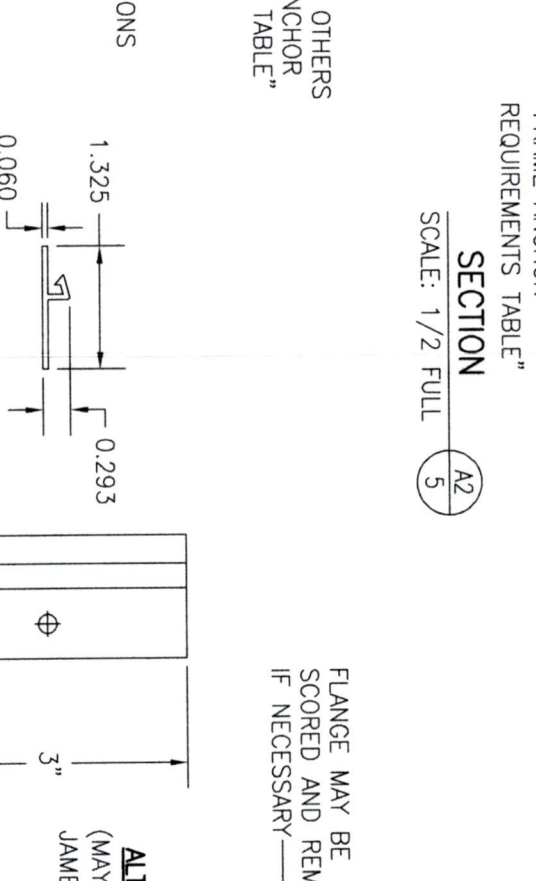
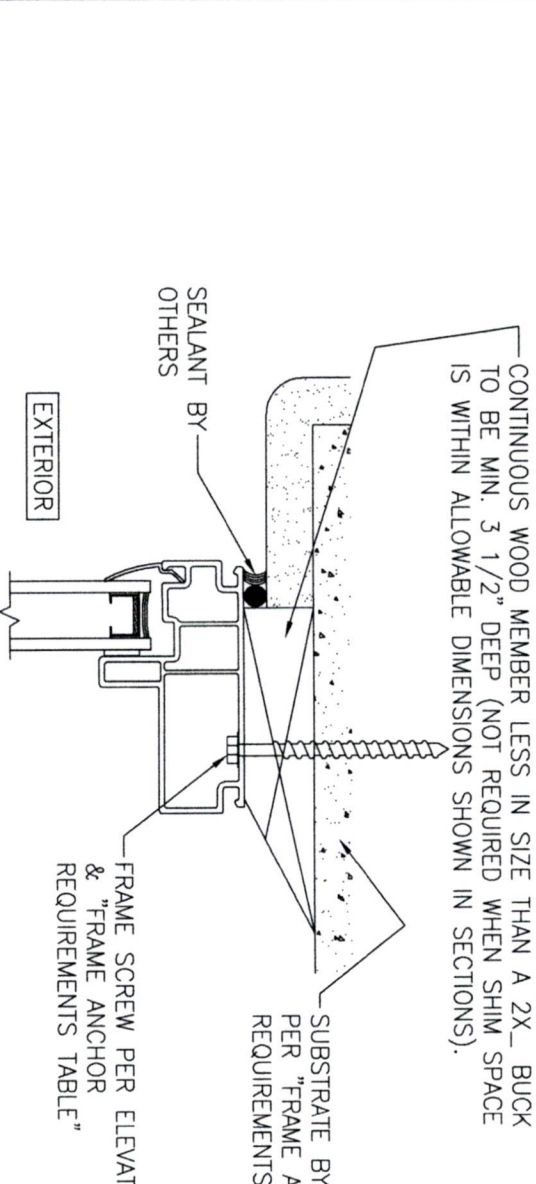
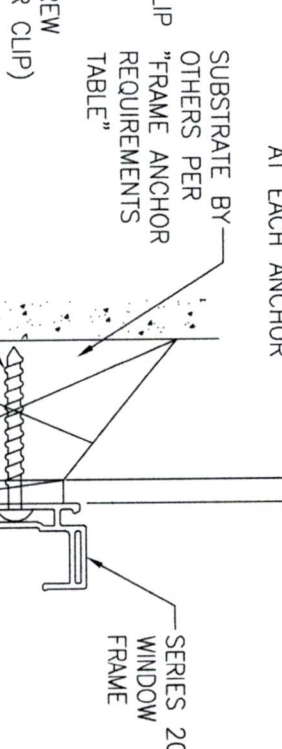
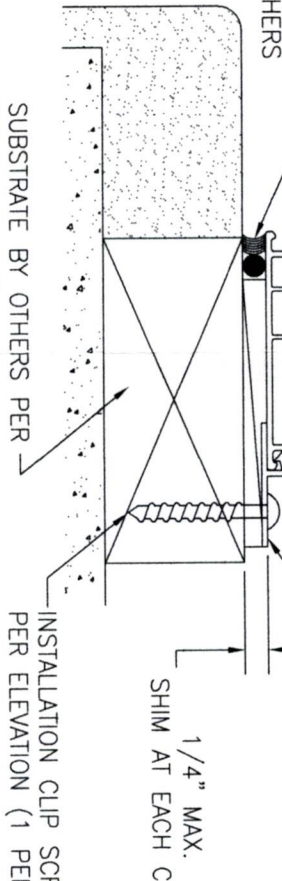
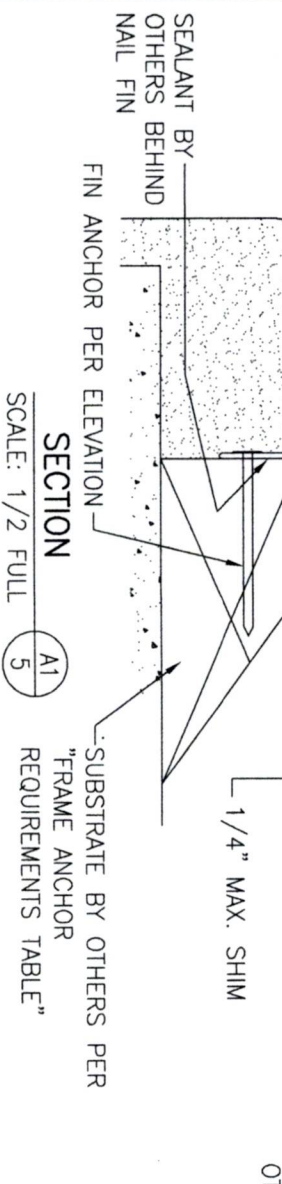
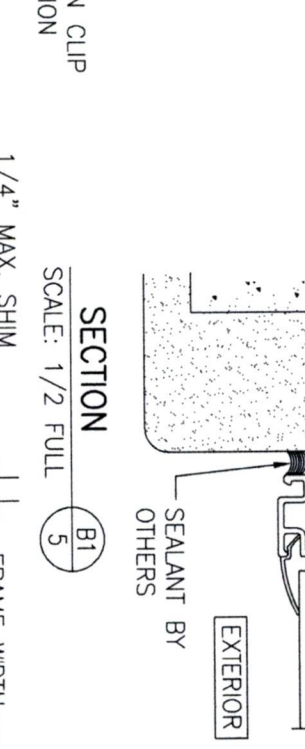
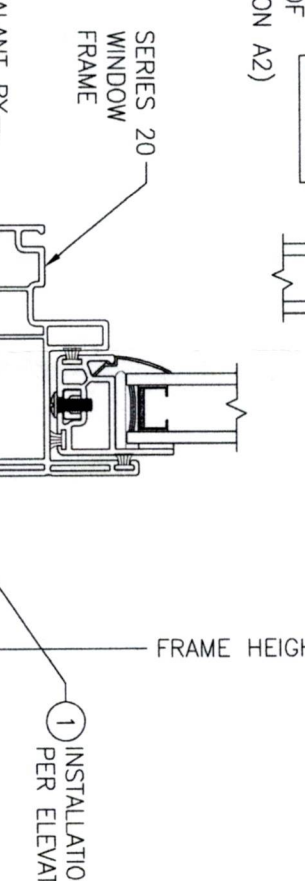
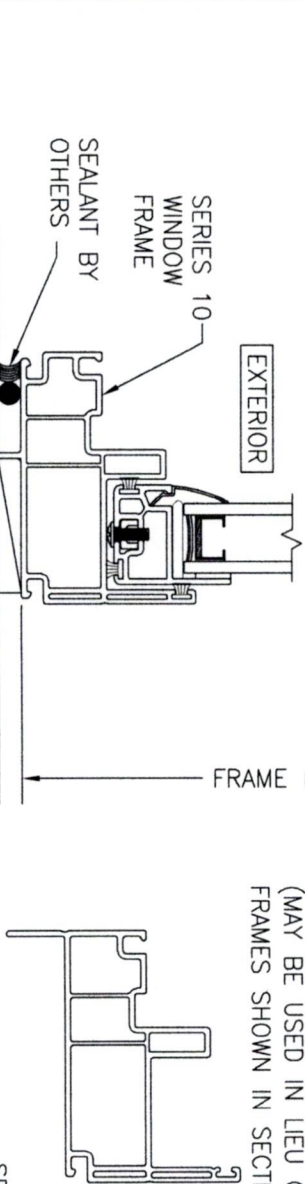
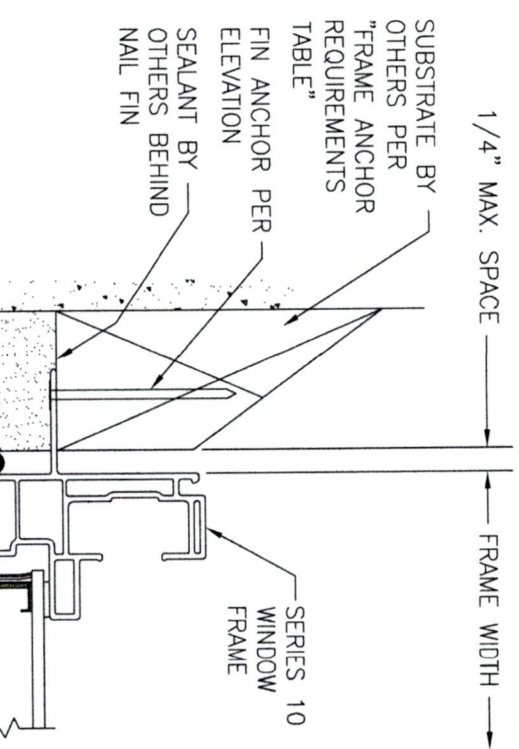
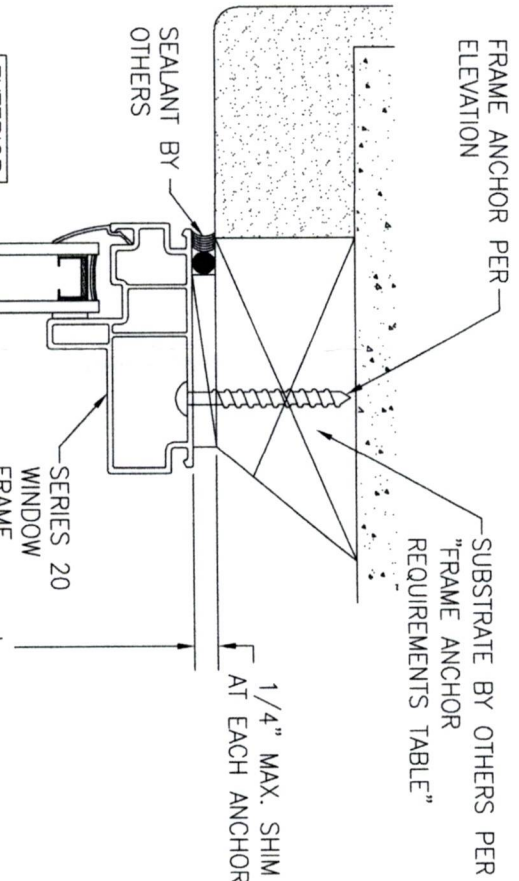
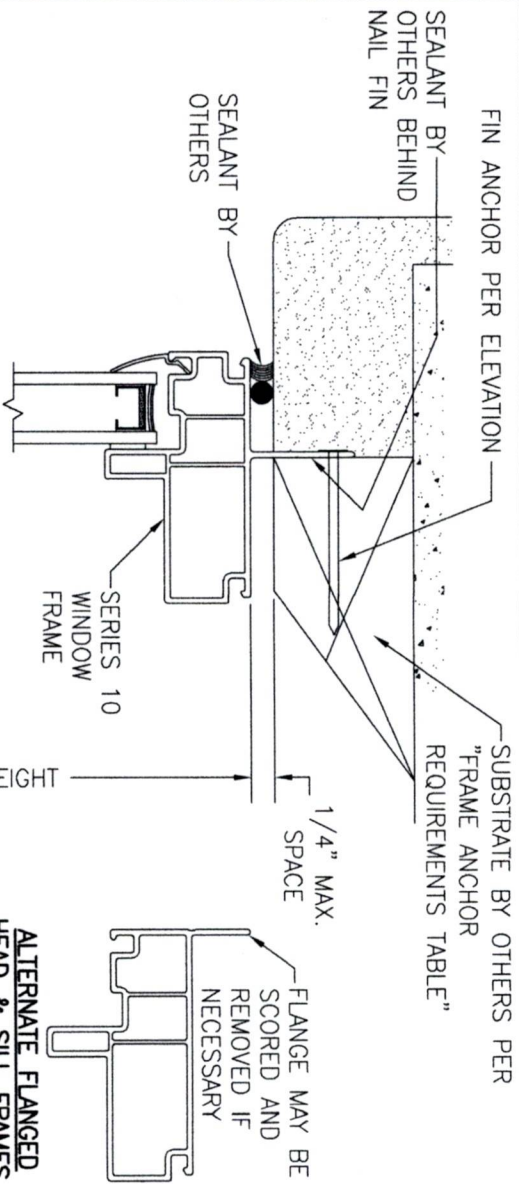
+/-30 PSF

PRESSURE SHOWN IN THIS TABLE IS FOR INSTALLATION CONDITIONS ONLY. THE GOVERNING DESIGN PRESSURE ON THE WINDOWS SHALL BE THE LESSER OF THAT SHOWN IN THE INDIVIDUAL WINDOW'S STATE APPROVAL OR THAT SHOWN IN THIS TABLE.

NOTE:

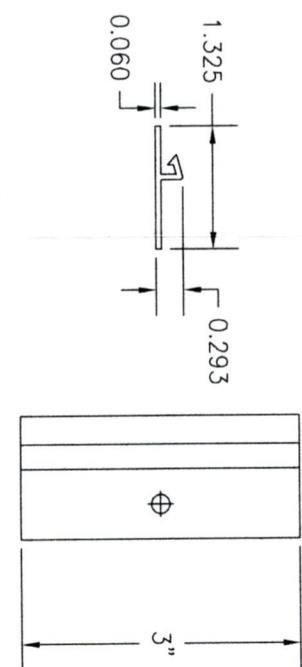
1. ALL WINDOWS ARE RESTRICTED BY THE DIMENSIONS SPECIFIED.
2. TRIPLE WINDOW SHOWN. DOUBLE WINDOW ALSO APPLIES & IS RESTRICTED TO A MAXIMUM OVERALL FRAME WIDTH OF 96".

|                                                                                      |  |                                       |                  |  |                    |
|--------------------------------------------------------------------------------------|--|---------------------------------------|------------------|--|--------------------|
| DRAWING NO. 1572                                                                     |  | REV. J                                | DRAWN BY: W.R.M. |  | CHECKED BY: W.M.S. |
| SHEET NO. 3 OF 4                                                                     |  |                                       | DATE: 01/30/08   |  |                    |
| CERTIFICATION                                                                        |  | DRAWING TITLE                         |                  |  |                    |
| WARREN W. SCHAEFER, P.E.<br>P.E. NO. 44135                                           |  | SERIES 10/20 VINYL SINGLE HUNG WINDOW |                  |  |                    |
| CONSULTANTS                                                                          |  | MANUFACTURER                          |                  |  |                    |
| W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)                              |  | PELLA CORPORATION                     |                  |  |                    |
| 26376 NADIR ROAD; UNIT 309                                                           |  | 2000 PROLINE PLACE                    |                  |  |                    |
| PUNTA GORDA, FL 33983                                                                |  | GETTYSBURG, PA 17325                  |                  |  |                    |
| PHONE: 561-744-3424                                                                  |  | 717-334-0099                          |                  |  |                    |
|  |  |                                       |                  |  |                    |



**OPTIONAL (SERIES 20) DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER**

(HEAD SECTION SHOWN, SIDES ARE INSTALLED THE SAME)  
(SILL DOES NOT APPLY)  
(FOR DETAIL NOT SHOWN, SEE SECTIONS A2/4 & B2/4)  
(FOR OPTIONAL FLANGED FRAME SEE SECTIONS A2/4 & B2/4)



| NO. | REVISION | DESCRIPTION | BY | DATE |
|-----|----------|-------------|----|------|
|     |          |             |    |      |
|     |          |             |    |      |
|     |          |             |    |      |
|     |          |             |    |      |

DRAWN BY: W.R.M.

CHECKED BY: W.S.S.

PLOT: 1=2

DATE: 01/29/08

CONSULTANTS

W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)

26376 NADIR ROAD; UNIT 309  
PUNTA GORDA, FL 33983  
PHONE: 561-744-3424

MANUFACTURER

PELLA CORPORATION  
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GETTYSBURG, PA 17325  
717-334-0099

CERTIFICATION

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

DRAWING TITLE

SERIES 10/20 VINYL SINGLE HUNG WINDOW

DRAWING NO. 1572

SHEET NO. 4 OF 4