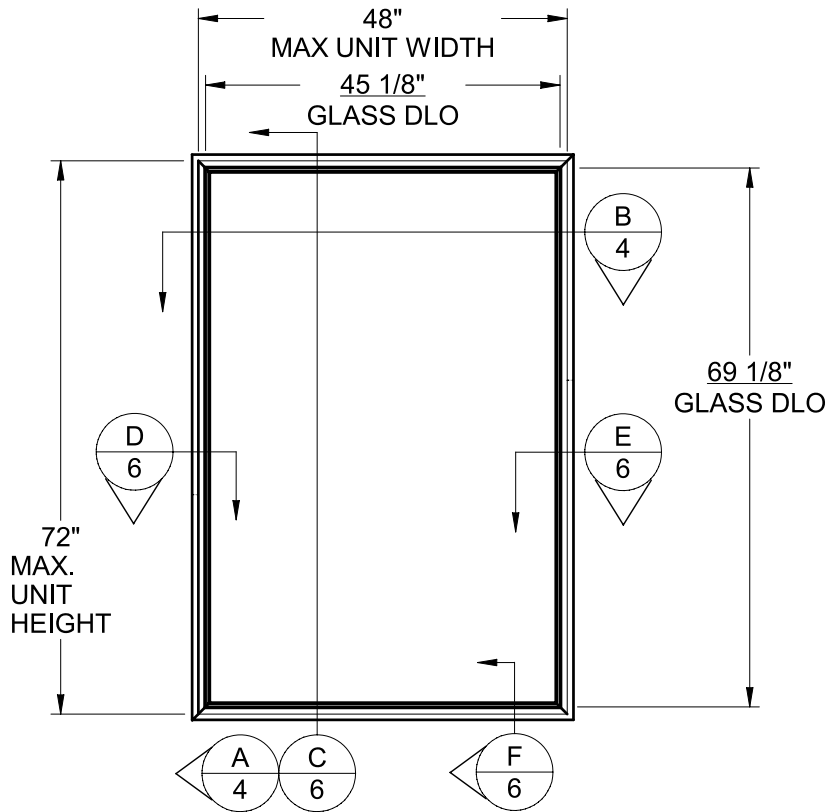


PICTURE WINDOW ELEVATIONS (LARGE MISSILE IMPACT)



PVC IMPACT REQUIREMENT:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE, CURRENT EDITION.
2. GLAZING OPTIONS: (SEE SHEET 3)
3. CONFIGURATION: FIXED LITE "O".
4. DESIGN PRESSURES: (SEE TABLES-SHEET 3)
  - NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-04e01/09.
  - POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE AND GLASS TABLES ASTM E 1300-04e01/09.
5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 6 FOR ANCHOR DETAIL.
6. SHUTTERS ARE NOT REQUIRED.
7. PVC FRAMES FULLY WELDED, STORM WINDOW ARE SCREWED TOGETHER.
8. REFERENCE TEST REPORTS: STORK 113-05893, 113-05898
9. SERIES / MODEL DESIGNATION:T503H WITH PVC WINDOW (PW-8300).
10. WOOD BUCK OR STUD FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE, BUCK AND FRAMING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.

TABLE OF CONTENTS

GENERAL NOTES & ELEVATIONS.....1

ANCHOR SCHEDULE & NOTES.....2

DP CHART & GLAZING.....3

SECTION VIEWS.....4

EXTRUSIONS & B.O.M.....5

INSTALLATION DETAILS.....6

Lucas Turner  
2020.09.25  
13:06:21  
-05'00'

PROPRIETARY AND CONFIDENTIAL

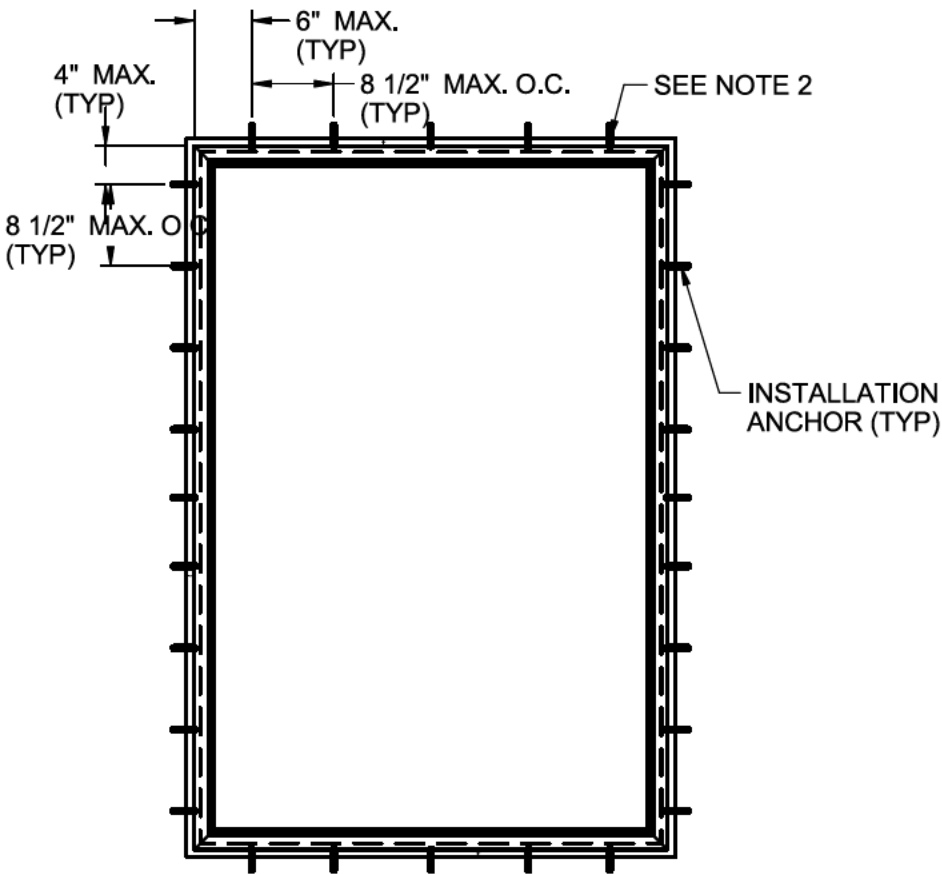
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9/25/2020

**LARSON**  
**MANUFACTURING**  
2333 EASTBROOK DR.  
BROOKINGS, SD 57006

|                                                             |                  |                     |
|-------------------------------------------------------------|------------------|---------------------|
| TITLE:<br>GENERAL NOTES & ELEVATIONS - LARGE MISSILE IMPACT |                  |                     |
| SERIES:<br>T503H                                            | DRAWN BY:<br>ADE | DATE:<br>11/5/2009  |
| MODEL:<br>PVC FIXED LITE                                    | SCALE:<br>NTS    | DWG. NO.:<br>LH-103 |
|                                                             | REV. LETTER:     | SHEET:<br>1 OF 6    |

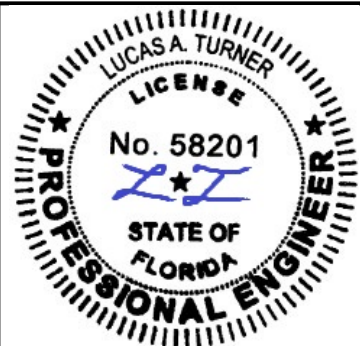


ANCHOR LAYOUT - (BOX FRAME)  
THRU FRAME (MASONRY OR WOOD  
OPENING)

NOTES:

1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION.
2. SHIM AS REQ'D AT EACH SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT.
3. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. WOOD SHIMS ARE NOT ALLOWED.
4. 3/16" DIA. ELCO ULTRACON MASONRY ANCHORS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE A MIN. EMBEDMENT OF 1 1/4" INTO MASONRY THRU FRAME OR THRU 1 BY WOOD BUCK INTO MASONRY. A MINIMUM EDGE DISTANCE OF 2 1/2" SHALL BE ACHIEVED.
5. #10 WOOD SCREW ANCHORS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE A MIN. EMBEDMENT OF 1 3/8" INTO 2 BY WOOD BUCK.
6. #8 WOOD SCREW ANCHORS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE A MIN. EMBEDMENT OF 1 1/2" INTO 2 BY WOOD BUCK FOR FIN INSTALLATION
7. SEAL CORNERS WITH SMALL JOINT SEAM SEALANT.
8. ALL INSTALLATION ANCHORS MUST BE MADE OF A CORROSION RESISTANT MATERIAL OR COATING.
9. INSTALLATION ANCHORS SHALL BE IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW.
10. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIAL WITH THE FOLLOWING PROPERTIES:
  - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
  - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI.
  - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

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9/25/2020

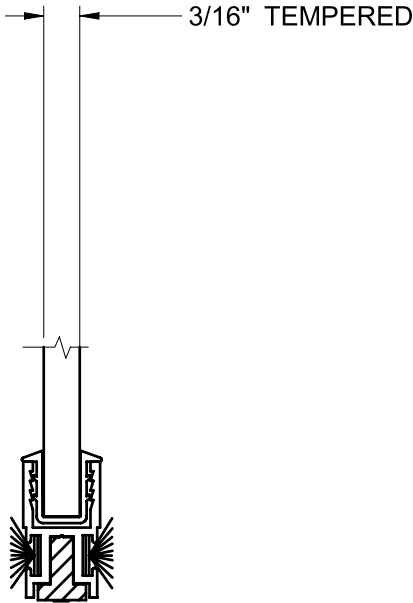
LARSON  
MANUFACTURING

2333 EASTBROOK DR.  
BROOKINGS, SD 57006

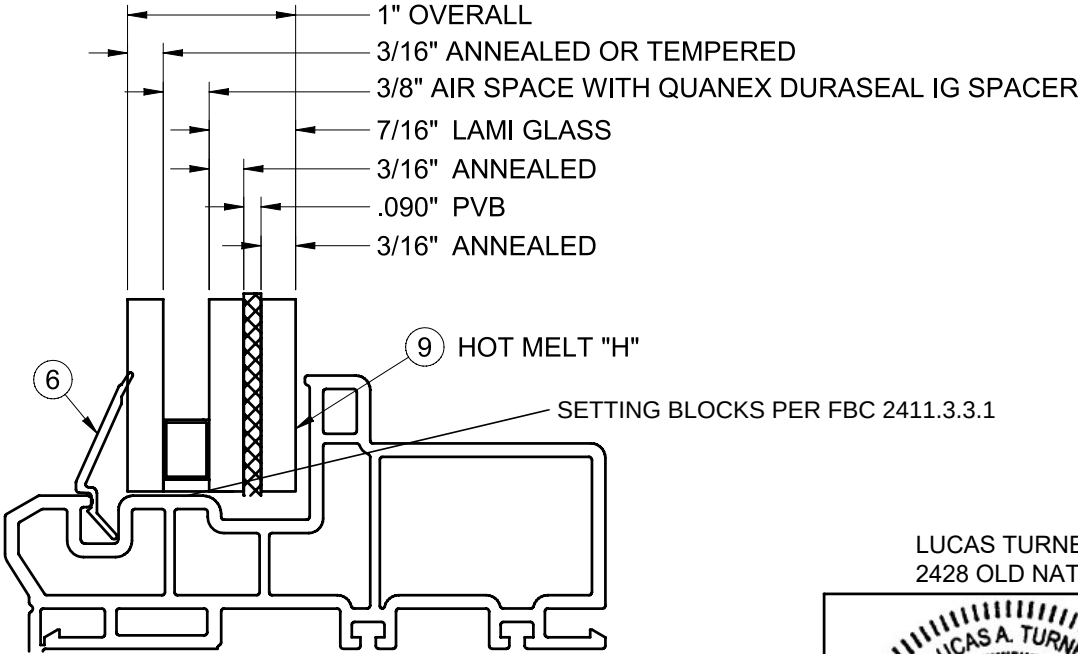
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|-------------------------------------------------------|---------------|------------------|
| TITLE: ANCHOR SCHEDULE & NOTES - LARGE MISSILE IMPACT |               |                  |
| SERIES: T503H                                         | DRAWN BY: ADE | DATE: 11/5/2009  |
| MODEL: PVC FIXED LITE                                 | SCALE: NTS    | DWG. NO.: LH-103 |
|                                                       | REV. LETTER:  | SHEET: 2 OF 6    |

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| UNIT       |            | UNIT HEIGHT (IN) |          |          |          |          |          |          |          |          |
|------------|------------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| WIDTH (IN) | GLASS TYPE | 12               | 20       | 28       | 36       | 44       | 48       | 56       | 64       | 72       |
| 14         | A          | + / - 70         | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 |
| 20         | A          | + / - 70         | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 |
| 26         | A          | + / - 70         | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 |
| 32         | A          | + / - 70         | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 |
| 38         | A          | + / - 70         | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 |
| 44         | A          | + / - 70         | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 |
| 48         | A          | + / - 70         | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 | + / - 70 |



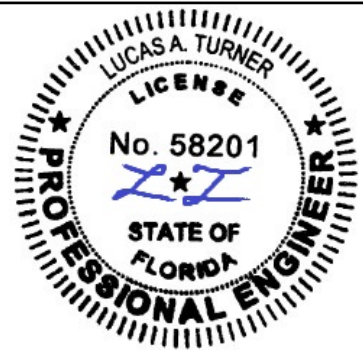
STORM WINDOW GLAZING



GLAZING DETAIL A  
FULL SIZE

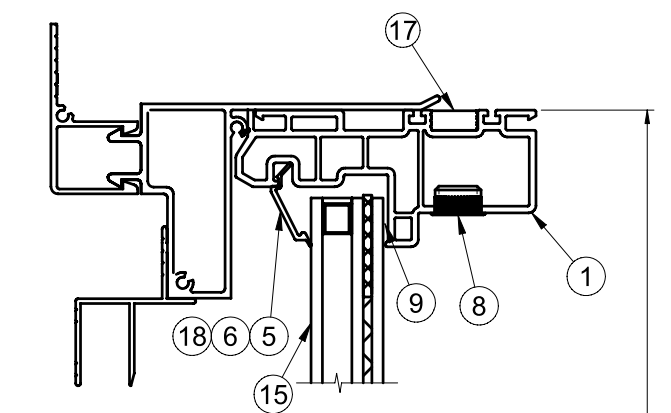
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BROOKINGS, SD 57006

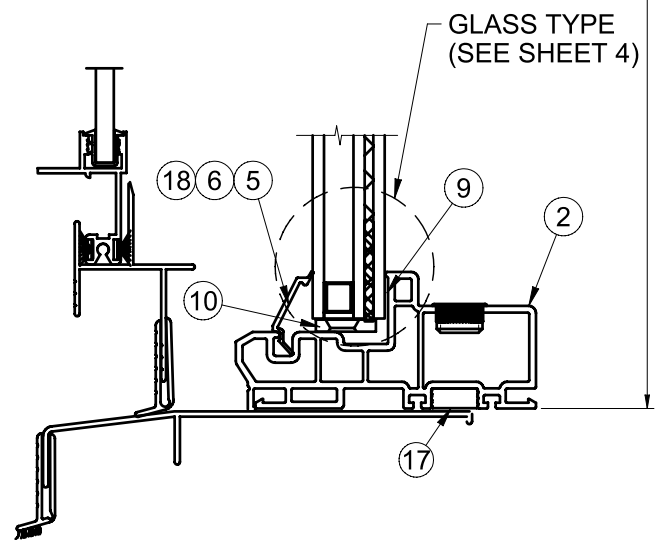
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|---------------------------------------------------------|---------------|------------------|
| TITLE: DP CHART & GLAZING DETAIL - LARGE MISSILE IMPACT |               |                  |
| SERIES: T503H                                           | DRAWN BY: ADE | DATE: 11/5/2009  |
| MODEL: PVC FIXED LITE                                   | SCALE: 1:1    | DWG. NO.: LH-103 |
|                                                         | REV. LETTER:  | SHEET: 3 OF 6    |



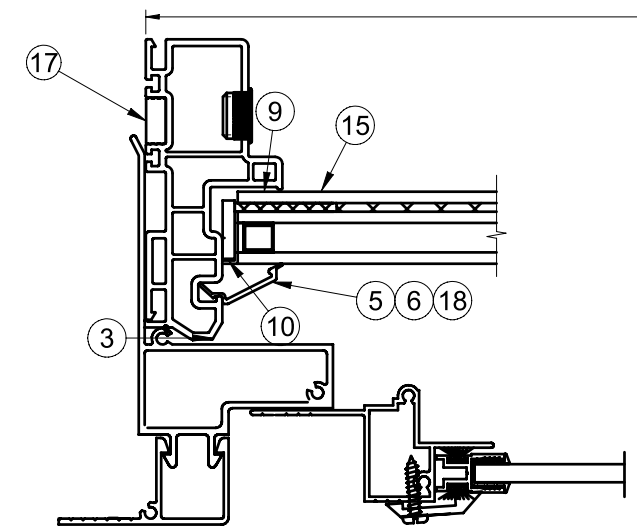
EXTERIOR

INTERIOR

UNIT HEIGHT



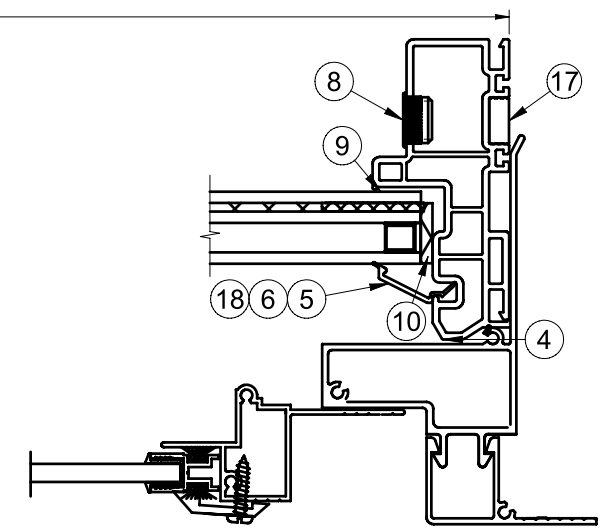
**A**  
4 TYPICAL VERTICAL SECTION



INTERIOR

UNIT WIDTH

EXTERIOR

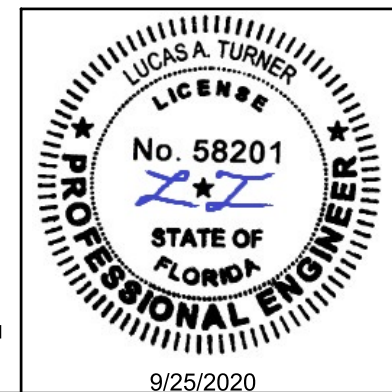


**B**  
4 TYPICAL HORIZONTAL SECTION

NOTE:  
ITEMS 11-14 ARE USED, BUT  
NOT SHOWN FOR CLARITY

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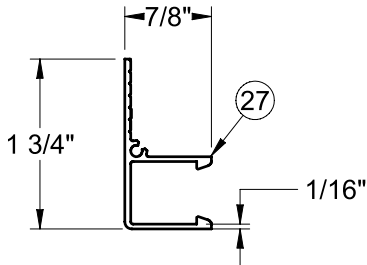
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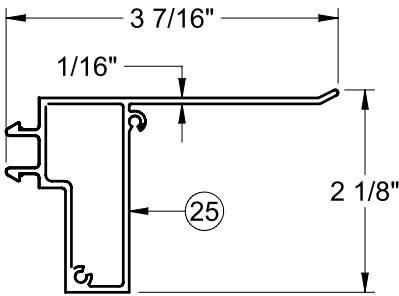
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|--------------------------------------------------------------------------|---------------|------------------|
| <b>LARSON MANUFACTURING</b><br>2333 EASTBROOK DR.<br>BROOKINGS, SD 57006 |               |                  |
| TITLE: SECT. VIEWS & ALT. FIN FRAME - LARGE MISSILE IMPACT               |               |                  |
| SERIES: T503H                                                            | DRAWN BY: ADE | DATE: 11/5/2009  |
| MODEL: PVC FIXED LITE                                                    | SCALE: NTS    | DWG. NO.: LH-103 |
|                                                                          | REV. LETTER:  | SHEET: 4 OF 6    |

| Item # | Part #  | Description                              | Vendor        |
|--------|---------|------------------------------------------|---------------|
| 1      | H-6006B | Fr., PW, Main, Head                      | Mikron        |
| 2      | H-6006B | Fr., PW, Main, Sill                      | Mikron        |
| 3      | H-6006B | Fr., PW, Main, L. Jb.                    | Mikron        |
| 4      | H-6006B | Fr., PW, Main, R. Jb.                    | Mikron        |
| 6      | S-6009  | Glz. Bd., Fxd. (1" O.A. I.G.)            | Mikron        |
| 8      | P-3752  | Cap Plug, 1/2" Hole                      | M&M           |
| 9      | P-3438  | Hot Melt, TruSeal, "H"                   | Truseal       |
| 10     | P-3352  | Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg. | Frank Lowe    |
| 11     | P-3684  | PW-8300 Gold Cert. Label, NFRC Tab       |               |
| 13     | P-3881  | Temporary Lbl. (NFRC/DP)                 |               |
| 14     | P-3613  | CWS Lbl. (logo)                          |               |
| 15     |         | Glass, Fixed                             | Cardinal      |
| 17     | P-3113  | Screw Support for PVC                    | Team Plastics |
| 18     | 201510  | One Way Clips                            | Larson        |
| 19     | 211x17  | Masterframe Jambs                        | Larson        |
| 20     | 211x18  | Masterframe Sill                         | Larson        |
| 21     | 217x15  | Masterframe Head                         | Larson        |
| 22     | 217x41  | Glass Wraparound Stile, stationary       | Larson        |
| 23     | 217x42  | Lift                                     | Larson        |
| 24     | 217x44  | Glass Wraparound Top, stationary         | Larson        |
| 25     | 227x06  | Subframe Head and Jambs                  | Larson        |
| 26     | 227x07  | Subframe Sill                            | Larson        |
| 27     | 227x10  | Casing, Head and Jambs                   | Larson        |

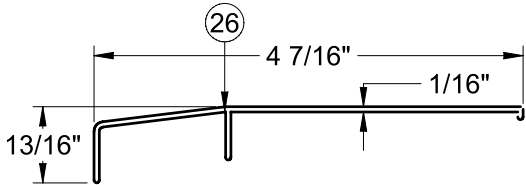
NOTE:  
ITEMS 5 AND 7 AND NOT USED



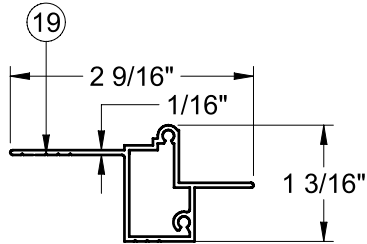
227x10-3072  
CASING HEAD / JAMBS



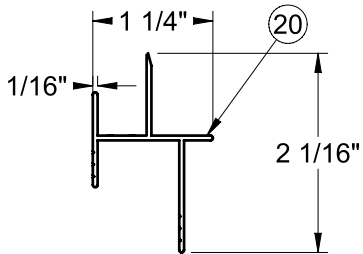
227x06-3072  
SUBFRAME HEAD / JAMBS



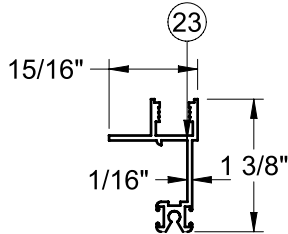
227x07-3072  
SUBFRAME SILL



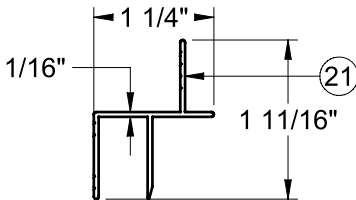
211x17-3072  
MASTERFRAME JAMBS



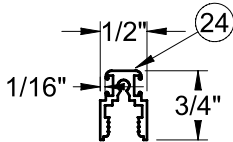
211x18-3072  
MASTERFRAME SILL



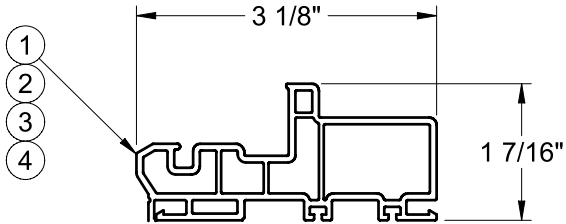
217x42-3072  
LIFT



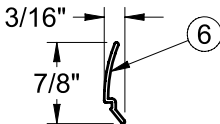
217x15-3072  
MASTERFRAME HEAD



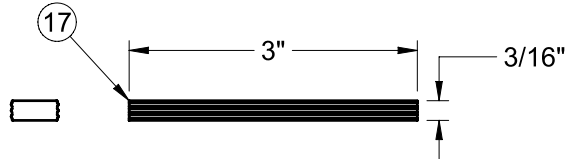
217x44-3072  
GLASS WRAPAROUND



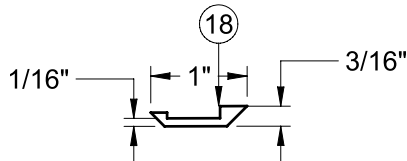
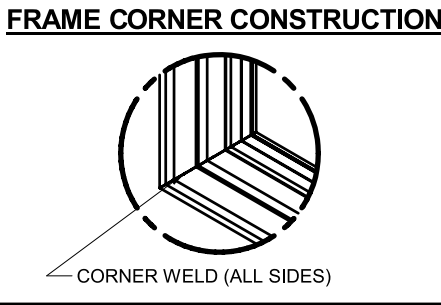
PVC FRAME FLANGE - H 6006 B



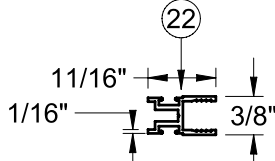
PVC GLAZING BEAD - S-6009



SCREW SUPPORT - P-3113



201510  
ONE WAY CLIPS

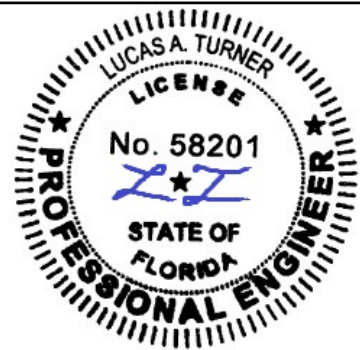


217x41-3072  
GLASS WRAPAROUND STILES

NOTE: ALL EXTRUSIONS ARE 6063-T6 MATERIAL.

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## LARSON MANUFACTURING

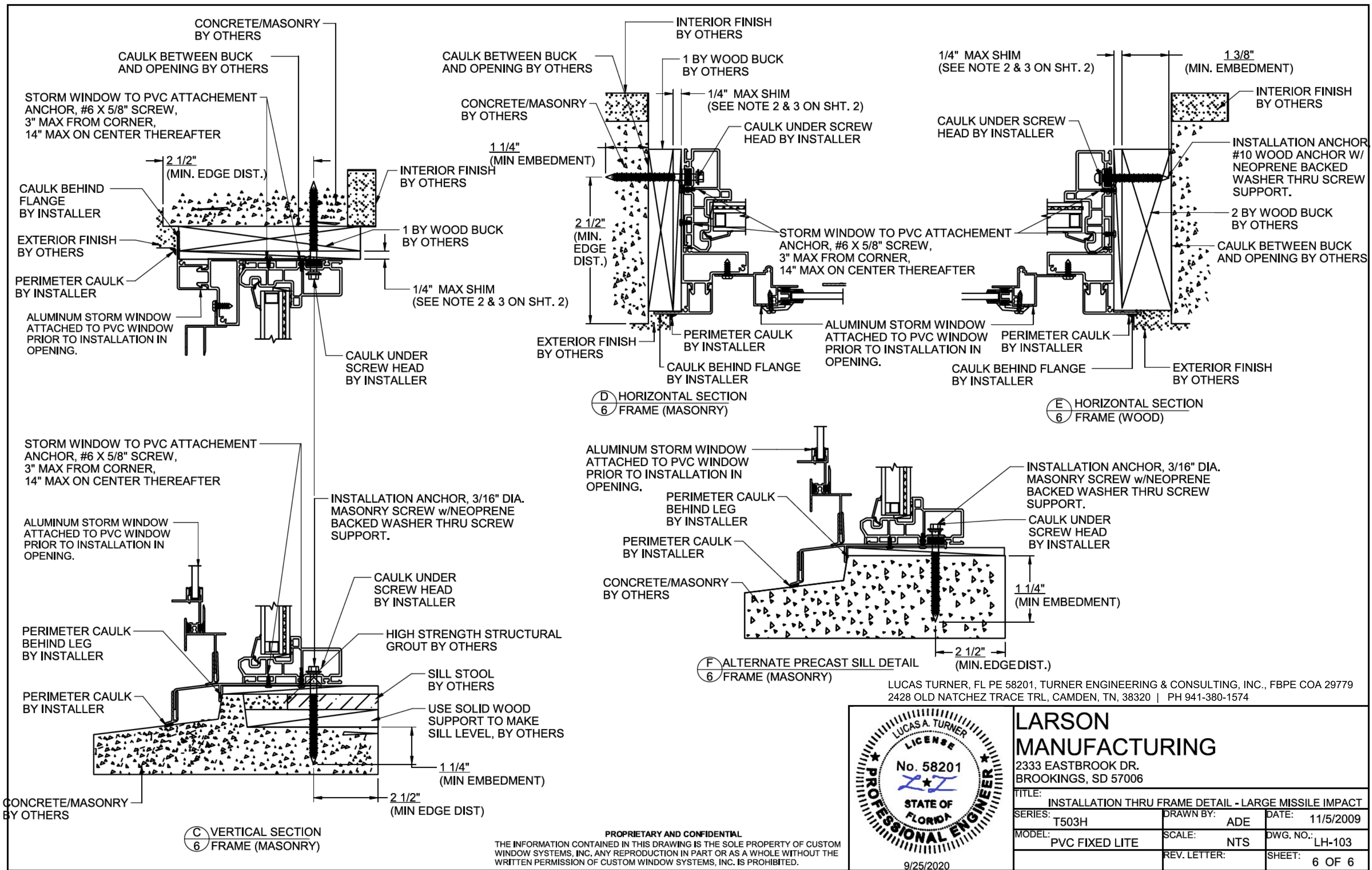
2333 EASTBROOK DR.  
BROOKINGS, SD 57006

TITLE: EXTRUSIONS & B.O.M. - LARGE MISSILE IMPACT

SERIES: T503H DRAWN BY: ADE DATE: 11/5/2009

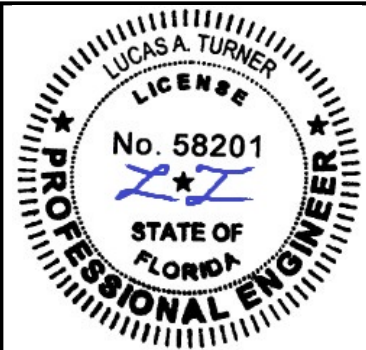
MODEL: PVC FIXED LITE SCALE: 1:2 DWG. NO.: LH-103

REV. LETTER: SHEET: 5 OF 6



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**LARSON  
MANUFACTURING**

2333 EASTBROOK DR.  
BROOKINGS, SD 57006

|                                                              |               |                  |
|--------------------------------------------------------------|---------------|------------------|
| TITLE: INSTALLATION THRU FRAME DETAIL - LARGE MISSILE IMPACT |               |                  |
| SERIES: T503H                                                | DRAWN BY: ADE | DATE: 11/5/2009  |
| MODEL: PVC FIXED LITE                                        | SCALE: NTS    | DWG. NO.: LH-103 |
|                                                              | REV. LETTER:  | SHEET: 6 OF 6    |

9/25/2020