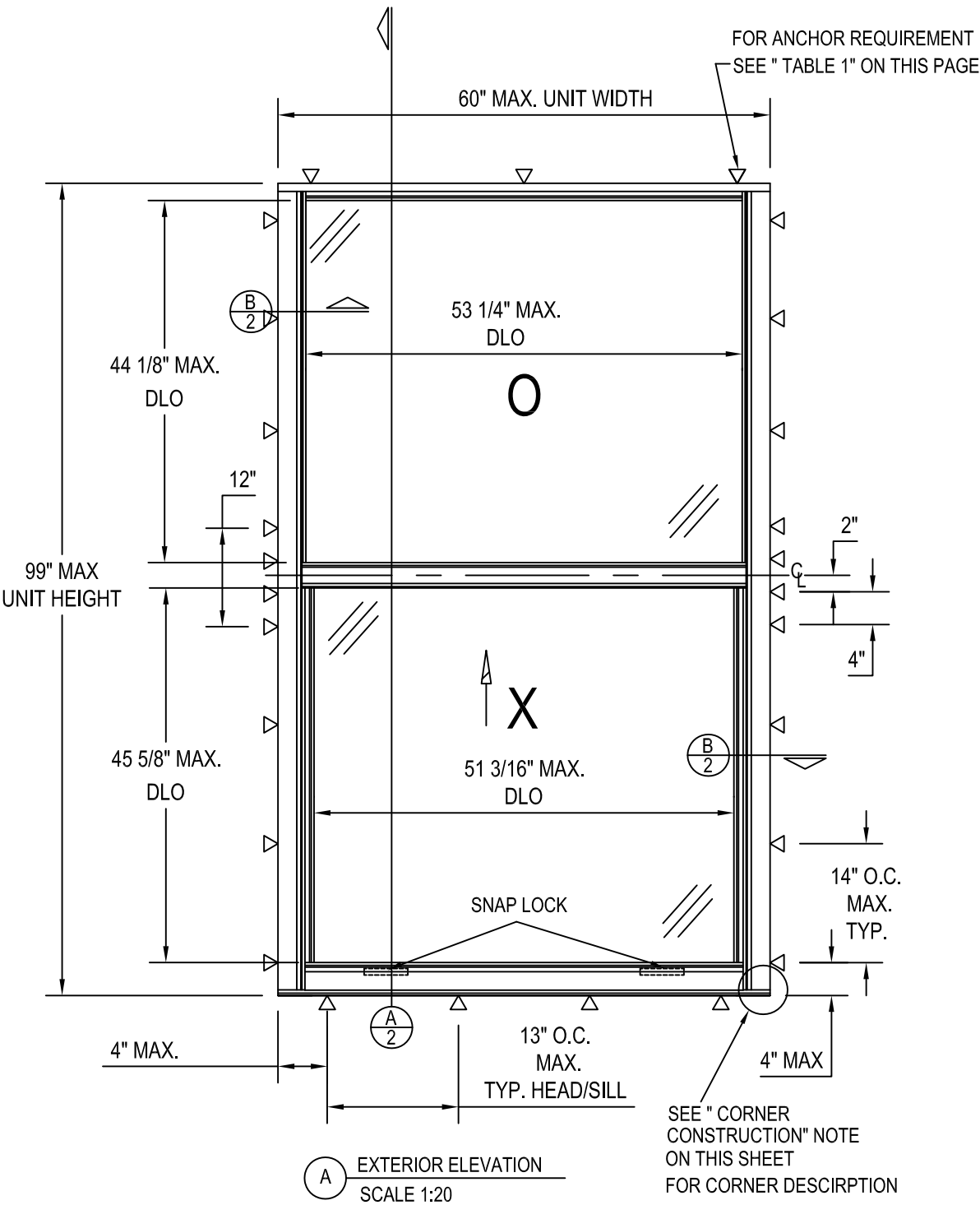


TR 9100 SINGLE HUNG SIDE LOAD I WINDOW (NON-IMPACT)



DESIGN PRESSURE = +50/- 50 PSF

HARDWARE TYPE & LOCATION:

SNAP LOCK - TWO @ 10-1/2" FROM EACH END OF BOTTOM RAIL

COASTAL COMPLIANCE NOTE: THE INSTALLATION FASTENERS INDICATED IN THIS DRAWING ARE APPLICABLE FOR NON-COASTAL APPLICATIONS. IF THE PROJECT IS WITHIN 3000 FT OF A SALTWATER COASTLINE, THE FASTENERS SHALL BE EVALUATED FOR COMPLIANCE WITH FBC SECTION 1711. SEE EVALUATION REPORT FOR THIS APPROVAL FOR ADDITIONAL INFORMATION.

GENERAL NOTES

1. THIS PRODUCT HAS BEEN TESTED TO AAMA/WDMA/CSA 101/I.S.2/A440, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION, FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
2. THIS PRODUCT, FABRICATED, GLAZED, AND ANCHORED AS DETAILED IN THIS DRAWING, IS NON-IMPACT AND REQUIRES THE USE OF SHUTTERS IN WINDBORNE DEBRIS REGIONS.
3. ALLOWABLE CONFIGURATION: O/X (FIXED LITE OVER SINGLE HUNG VENT)
4. THE DESIGN PRESSURE RATINGS INDICATED IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED PRESSURES.
5. DISSIMILAR MATERIALS THAT COME INTO CONTACT, INCLUDING BUT NOT LIMITED TO PRESSURE TREATED WOOD BUCKS, SHALL BE COATED OR OTHERWISE PROTECTED PER FBC CHAP. 20 TO PREVENT GALVANIC REACTIONS.
6. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE SHALL BE THE RESPONSIBILITY OF OTHERS.
7. THE 4/3 ALLOWABLE STRESS INCREASE HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF WOOD SUBSTRATE.
8. STRUCTURAL INTEGRITY OF SUBSTRATE MATERIALS TO RECEIVE THE LOADS FROM THIS PRODUCT, AND INSTALLATION OF WOOD BUCKS TO THE SUBSTRATE, TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
9. THIS PRODUCT SHALL BE INSTALLED USING ONE OF THE APPROVED FASTENERS IN TABLE 1 APPROPRIATE FOR THE SUBSTRATE TYPE, AT THE MINIMUM SPACING SHOWN IN THE ELEVATION VIEW ON THIS PAGE. SEE COASTAL COMPLIANCE NOTE, THIS PAGE.
10. MINIMUM ANCHOR EMBEDMENTS LISTED IN TABLE 1 SHALL BE BEYOND WALL DRESSING OR STUCCO AND FULLY INTO SUBSTRATE.
11. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE 1. CONCRETE OR MASONRY SUBSTRATES SHALL NOT BE CRACKED. FOR INSTALLATION TO METAL SUBSTRATES, ANCHORS SHALL BE LONG ENOUGH TO BE FULLY THREADED THROUGH THE METAL THICKNESS WITH AN ADDITIONAL 3 THREADS BEYOND.

TABLE 1: INSTALLATION ANCHOR REQUIREMENTS TABLE

| ID | SUBSTRATE TYPE                                     | ANCHOR TYPE                              | MIN. EMBED  | MIN. EDGE DIST. |
|----|----------------------------------------------------|------------------------------------------|-------------|-----------------|
| A  | CONCRETE (2.0 KSI MIN)                             | 3/16" ITW TAPCON                         | 1"          | 1 1/8"          |
| B  | HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)          | 3/16" ITW TAPCON                         | 1"          | 2"              |
| C  | CONCRETE (3.05 KSI MIN.)                           | 3/16" DEWALT ULTRACON+                   | 1-3/4"      | 1"              |
| D  | HOLLOW OR GROUT-FILLED CMU (ASTM C90)              | 3/16" DEWALT ULTRACON+                   | 1-1/4"      | 2 1/2"          |
| E  | 2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)              | 3/16" DEWALT ULTRACON+                   | 1-3/8"      | 1"              |
| F  | 2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)              | #10 WOOD SCREW                           | 1-3/8"      | 1"              |
| G  | 16 GAUGE (0.060") MIN. STEEL STUD 33KSI YIELD MIN. | #10-16 ITW TEKS SELF-DRILLING SCREW      | SEE NOTE 11 | 1/2"            |
| H  | 1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.  | #10 GRADE 5 SELF-TAPPING/ DRILLING SCREW | SEE NOTE 11 | 1/2"            |

INSTALL ONE ANCHOR PER LOCATION INDICATED IN ELEVATION VIEW

CORNER CONSTRUCTION:

FRAME: HORIZONTAL HEAD AND SILL MEMBERS RUN THROUGH. VERTICAL MEMBERS ARE COPED AND FASTENED TO HORIZONTAL MEMBERS USING (2) #8-18-1" PPH-LP STAINLESS STEEL FASTENERS AT EACH JOINT. KEEPER RAIL IS COPED AND FASTENED TO EACH JAMB USING (2) #8-18 X 1" PPH - LP STAINLESS STEEL FASTENERS AT EACH JOINT. JOINTS ARE SEALED WITH SEALANT.

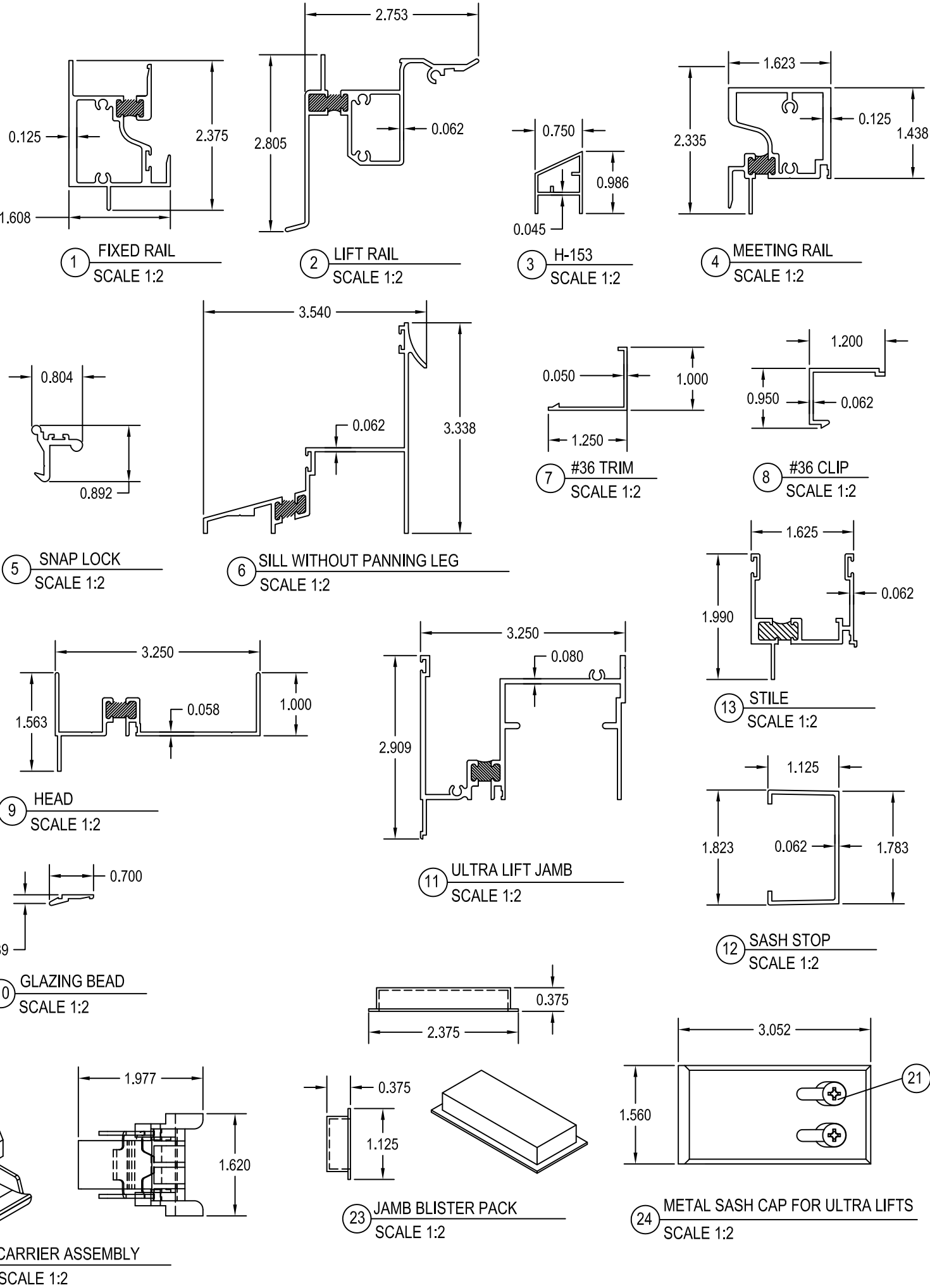
SASH: VERTICAL MEMBERS RUN THROUGH. HORIZONTAL MEMBERS ARE COPED AND FASTENED TO VERTICAL MEMBERS USING (2) #8-18 X 1" PPH-LP STAINLESS STEEL FASTENERS AT EACH JOINT. JOINTS ARE SEALED WITH SEALANT.

| REV.                                                                                                                                                                                                                                                                                  | DATE     | DESCRIPTION | BY |
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| E.C. NO.                                                                                                                                                                                                                                                                              | xxxxx-xx | XX/XX/XX    |    |
| <div>Lucas Turner</div> <div>2026.08.18</div> <div>16:15:53 -05'00'</div> <div></div> <div>LUCAS A. TURNER, FL P.E. #58201</div> <div>TURNER ENGINEERING &amp; CONSULTING, INC.</div> <div>2428 OLD NATCHEZ TRACE TRAIL</div> <div>CAMDEN, TN 38320</div> <div>PH. 941-380-1574</div> |          |             |    |
| <div></div> <div>71 PROGRESS AVENUE</div> <div>CRANBURY TOWNSHIP, PA 16066</div> <div>PHONE (724) 776-7000</div> <div>FAX (724) 776-7114</div> <div>TR 9100 SINGLE HUNG SIDE LOAD I WINDOW</div> <div>NONE IMPACT</div> <div>SCALE: 1:20</div>                                        |          |             |    |
| DRAWN BY                                                                                                                                                                                                                                                                              |          | DATE        |    |
| YSE                                                                                                                                                                                                                                                                                   |          | 04/30/12    |    |
| DRWG. NO.                                                                                                                                                                                                                                                                             |          |             |    |
| I-NI-9100-001                                                                                                                                                                                                                                                                         |          |             |    |
| SHEET                                                                                                                                                                                                                                                                                 |          |             |    |
| 1 OF 3                                                                                                                                                                                                                                                                                |          |             |    |

| REV.                                                                                                                                                                                                                                                                               | DATE     | DESCRIPTION                                          | BY |
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| E.C. NO.                                                                                                                                                                                                                                                                           | XXXXX-XX | XX/XX/XX                                             |    |
| <div><p>8/18/2026</p></div> <p>LUCAS A. TURNER, FL P.E. #58201<br/>TURNER ENGINEERING &amp;<br/>CONSULTING, INC.<br/>2428 OLD NATCHEZ TRACE TRAIL<br/>CAMDEN, TN 38320<br/>PH. 941-380-1574</p> |          |                                                      |    |
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|  <p>71 PROGRESS AVENUE<br/>CRANBERRY TOWNSHIP, PA 16066<br/>PHONE (724) 776-7000<br/>FAX (724) 776-7114</p>                                                                                   |          | TR 9100 SINGLE HUNG SIDE LOAD 1 WINDOW<br>NON-IMPACT |    |
| DRAWN BY<br>YSE                                                                                                                                                                                                                                                                    |          | DATE<br>04/30/12                                     |    |
| DRWG. NO.<br>I-NI9100-002                                                                                                                                                                                                                                                          |          |                                                      |    |
| SHEET<br>2 OF 3                                                                                                                                                                                                                                                                    |          | I-NI9100-002                                         |    |

MATERIAL PARTS LIST

| ITEM#                            | PART #  | DESCRIPTION                             | MATERIAL                        |
|----------------------------------|---------|-----------------------------------------|---------------------------------|
| EXTRUSIONS                       |         |                                         |                                 |
| 1                                | H-1403  | FIXED RAIL                              | 6063-T6 ALUMINUM                |
| 2                                | H-2213  | LIFT RAIL                               | 6063-T6 ALUMINUM                |
| 3                                | H-153   | 0.75 EXTERIOR GLZ. MUNTIN               | 6063-T6 ALUMINUM                |
| 4                                | H1404   | MEETING RAIL                            | 6063-T6 ALUMINUM                |
| 5                                | S-1628  | SNAP LOCK                               | 6063-T6 ALUMINUM                |
| 6                                | S-1676  | SILL WITHOUT PANNING LEG                | 6063-T6 ALUMINUM                |
| 7                                | S-1649  | #36 TRIM                                | 6063-T6 ALUMINUM                |
| 8                                | S-1648  | #36 CLIP                                | 6063-T6 ALUMINUM                |
| 9                                | S-2274  | HEAD                                    | 6063-T6 ALUMINUM                |
| 10                               | S-1407  | GLAZING BEAD                            | 6063-T6 ALUMINUM                |
| 11                               | S-2276  | ULTRA LIFT JAMB                         | 6063-T6 ALUMINUM                |
| 12                               | S-2123  | SASH STOP FOR "ULTRA LIFT" JAMB         | 6063-T6 ALUMINUM                |
| 13                               | S-1406  | STILE                                   | 6063-T6 ALUMINUM                |
| HARDWARE, GASKET AND MISC. PARTS |         |                                         |                                 |
| 14                               | 15-0365 | #10-24x3/8" PFH "F" SS                  | 410 STAINLESS STEEL             |
| 15                               | 15-0073 | #10-16 x 3/4 PPH TEK 410SS              | 410 STAINLESS STEEL             |
| 16                               | 20-7002 | 0.250 X 0.270 WEATHERSTRIP              | FINSEAL WEATHERSTRIP            |
| 17                               | 20-0088 | VINYL SCREEN TRACK                      | RIGID PVC                       |
| 18                               | 20-0620 | WEATHERSTRIP SPACER                     | RIGID VINYL                     |
| 19                               | 20-4132 | INTERIOR WEDGE GASKE                    | EPDM RUBBER                     |
| 20                               | 20-6031 | 1/8"x1"x2" SETTING BLOCK                | EPDM                            |
| 21                               | 30-3713 | SIDE LOAD BRACKET ASSEMBLY              | ALUMINUM / STAINLESS STEEL      |
| 22                               | 30-3712 | CARRIER ASSEMBLY                        | ALUMINUM/STAINLESS STEEL/ NYLON |
| 23                               | 30-2208 | JAMB BLISTER PACK                       | CLEAR PVC                       |
| 24                               | 30-2982 | METAL SASH CAP FOR ULTRA LIFTS          | 6063-T6 ALUMINUM                |
| 25                               | 20-0367 | GLAZING TAPE 7/16" X 1/16" DOUBLE SIDED | -                               |
| 26                               | -       | ANCHOR (PER TABLE 1)                    | -                               |



|                                                                                                                                                                                                                       |          |                  |    |
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| E.C. NO.                                                                                                                                                                                                              | XXXXX-XX | XX/XX/XX         |    |
| <div><p>LUCAS A. TURNER, FL P.E. #58201<br/>TURNER ENGINEERING &amp; CONSULTING, INC.<br/>2428 OLD NATCHEZ TRACE TRAIL<br/>CAMDEN, TN 38320<br/>PH. 941-380-1574</p></div>                                            |          |                  |    |
| <div><div><p>71 PROGRESS AVENUE<br/>CRANBURY TOWNSHIP, PA 16066<br/>PHONE (724) 776-7000<br/>FAX (724) 776-7114</p></div><div>TR 9100 SINGLE HUNG SIDE LOAD I WINDOW<br/>NON-IMPACT</div><div>SCALE: NONE</div></div> |          |                  |    |
| DRAWN BY<br>YSE                                                                                                                                                                                                       |          | DATE<br>04/30/12 |    |
| DRWG. NO.<br>I-NI9100-003                                                                                                                                                                                             |          |                  |    |
| SHEET<br>3 OF 3                                                                                                                                                                                                       |          | I-NI9100-003     |    |