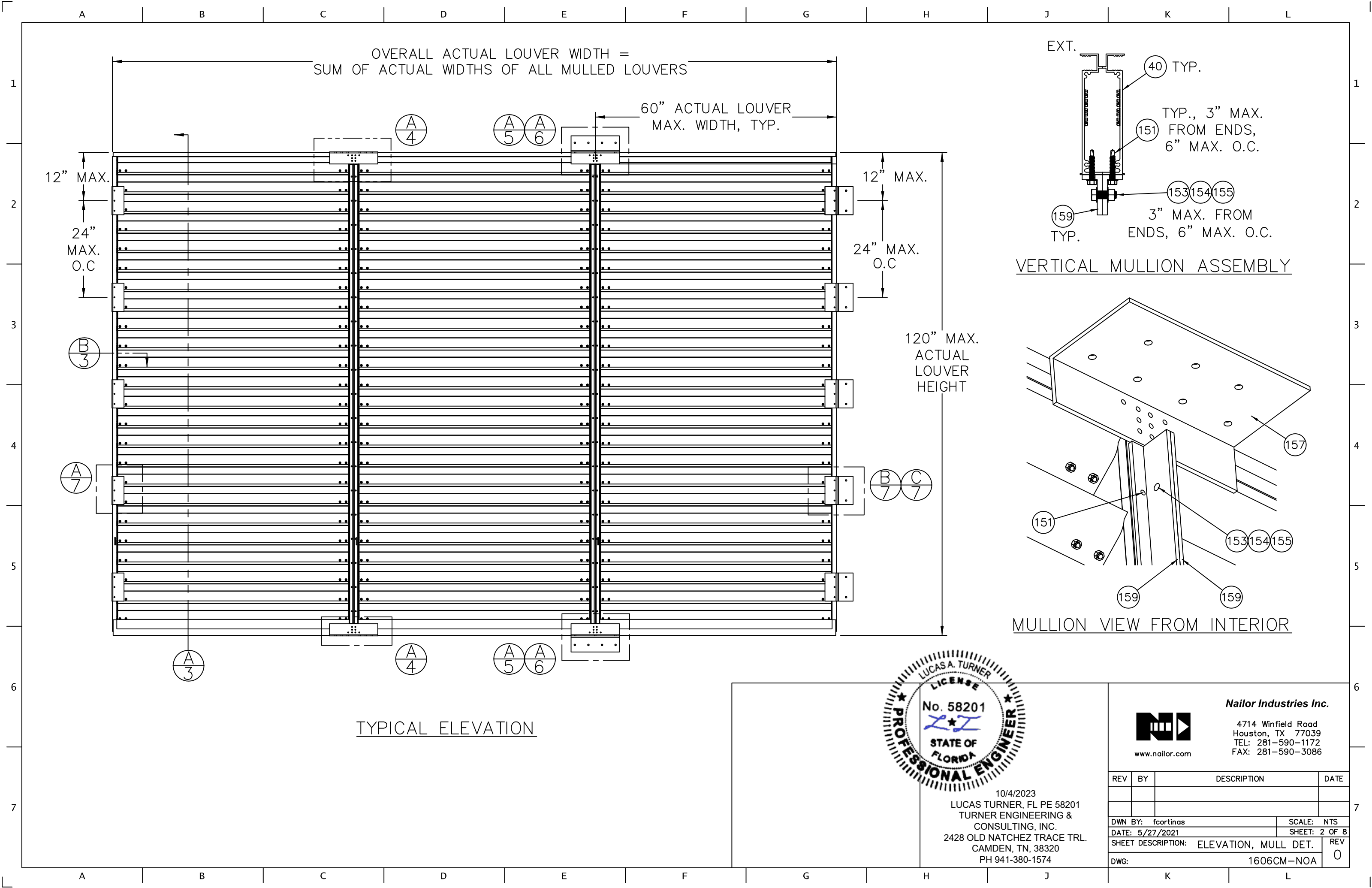


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|                              | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | B                                                       | C                                                         | D                 | E                                                                                                                                                                                              | F                            | G                               | H                | J                 | K                 | L                 |
| 1                            | <div>GENERAL NOTES</div> <div>1. THE 1606CM LOUVER SYSTEM SHOWN IN THE CONFIGURATIONS HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION (2020) AND 8TH EDITION (2023) FLORIDA BUILDING CODES INCLUDING THE HIGH VELOCITY HURRICANE ZONE PROVISIONS, FOR APPLICATIONS WITH DESIGN PRESSURE (ASD) REQUIREMENTS OF 120 PSF OR LESS.</div> <div>2. THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH TAS 100A, TAS 201, TAS 202, TAS 203, AMCA 540 AND AMCA 550. FOR FULL PRODUCT TESTING DETAILS SEE INTERTEK TEST REPORTS K4980.01-801-18-R1, K4981.01-801-44-R1, AND K4982.01-801-18-R0.</div> <div>3. THIS PRODUCT AS SHOWN IN THIS DRAWING IS MISSILE LEVEL D LARGE MISSILE IMPACT RESISTANT, AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.</div> <div>4. THIS LOUVER SYSTEM HAS BEEN TESTED IN ACCORDANCE WITH TAS 100A TO PREVENT WIND-DRIVEN RAIN FROM PENETRATING THE SPACE BEHIND THE LOUVER FOR WIND SPEEDS UP TO 110 MPH AND INSTALLATION IN HEIGHTS UP TO 33 FT.</div> <div>5. THIS LOUVER SYSTEM IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD LOADS.</div> <div>6. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.</div> <div>7. THE OPENING SUBSTRATE MATERIALS (FRAMING, MASONRY, BUCKS) AND ATTACHMENT OF BUCKS TO THE SUBSTRATE ARE BY OTHERS AND SHALL BE VERIFIED BY THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ). BUCKING, OPENINGS, &amp; BUCKING FASTENERS MUST BE PROPERLY DESIGNED &amp; INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE.</div> <div>8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THIS PRODUCT.</div> <div>9. ANCHORAGE NOTES: INSTALL PRODUCTS WITH MAXIMUM SHIM GAP, MINIMUM EDGE DISTANCE AND EMBEDMENT, AND WITH FASTENER TYPE AS SHOWN IN THE DETAILS AND AS INDICATED IN TABLE 1 FOR THE APPROPRIATE SUBSTRATE, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE OPENING SUBSTRATE AND ALL OTHER LOUVER MATERIALS. INSTALL ONE ANCHOR AT EACH LOCATION SHOWN IN THE ELEVATION. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO.</div> |                                                         |                                                           |                   | TABLE 2. 3X6X1/4 ALUMINUM MULL CLIP (ITEM 157) ATTACHMENT DIRECTLY TO SUBSTRATE, ANCHOR QUANTITY / CLIP LENGTH REQUIREMENTS<br>(SEE TABLE 1 FOR FULL DESCRIPTION OF ANCHOR TYPES / SUBSTRATES) |                              |                                 |                  |                   |                   |                   |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |                                                           |                   | MULLION<br>DESIGN<br>PRESSURE<br>(PSF)                                                                                                                                                         | ANCHOR ID                    | MAX. LOUVER ACTUAL HEIGHT (IN.) |                  |                   |                   |                   |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |                                                           |                   |                                                                                                                                                                                                |                              | 72                              | 84               | 96                | 108               | 120               |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |                                                           |                   | 100                                                                                                                                                                                            | A (3/8" SCREW-BOLT+ / CONC.) | QTY 6 / 12" CLIP                | QTY 6 / 12" CLIP | QTY 7 / 12" CLIP  | QTY 8 / 15" CLIP  | QTY 9 / 15" CLIP  |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |                                                           |                   |                                                                                                                                                                                                | B (3/8" SCREW-BOLT+ / CMU)   | QTY 8 / 15" CLIP                | QTY 9 / 15" CLIP | QTY 10 / 18" CLIP | QTY 11 / 18" CLIP | QTY 13 / 21" CLIP |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |                                                           |                   |                                                                                                                                                                                                | C (3/8"-16 BOLT / STEEL)     | QTY 4 / 9" CLIP                 | QTY 4 / 9" CLIP  | QTY 4 / 9" CLIP   | QTY 4 / 9" CLIP   | QTY 4 / 9" CLIP   |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |                                                           |                   |                                                                                                                                                                                                | D (3/8" LAG / WOOD)          | QTY 6 / 12" CLIP                | QTY 6 / 12" CLIP | QTY 6 / 12" CLIP  | QTY 6 / 12" CLIP  | QTY 7 / 12" CLIP  |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |                                                           |                   |                                                                                                                                                                                                | E (1/2" SCREW-BOLT+ / CONC.) | QTY 4 / 9" CLIP                 | QTY 4 / 9" CLIP  | QTY 5 / 9" CLIP   | QTY 6 / 12" CLIP  | QTY 6 / 12" CLIP  |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |                                                           |                   |                                                                                                                                                                                                | F (1/2" LAG / WOOD)          | QTY 4 / 9" CLIP                 | QTY 4 / 9" CLIP  | QTY 4 / 9" CLIP   | QTY 4 / 9" CLIP   | QTY 5 / 9" CLIP   |
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| B (3/8" SCREW-BOLT+ / CMU)   | QTY 8 / 15" CLIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | QTY 10 / 18" CLIP                                       | QTY 11 / 18" CLIP                                         | QTY 12 / 21" CLIP |                                                                                                                                                                                                | QTY 14 / 24" CLIP            |                                 |                  |                   |                   |                   |
| C (3/8"-16 BOLT / STEEL)     | QTY 4 / 9" CLIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | QTY 4 / 9" CLIP                                         | QTY 4 / 9" CLIP                                           | QTY 4 / 9" CLIP   |                                                                                                                                                                                                | QTY 4 / 9" CLIP              |                                 |                  |                   |                   |                   |
| D (3/8" LAG / WOOD)          | QTY 6 / 12" CLIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | QTY 6 / 12" CLIP                                        | QTY 6 / 12" CLIP                                          | QTY 6 / 12" CLIP  |                                                                                                                                                                                                | QTY 8 / 15" CLIP             |                                 |                  |                   |                   |                   |
| E (1/2" SCREW-BOLT+ / CONC.) | QTY 4 / 9" CLIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | QTY 5 / 9" CLIP                                         | QTY 5 / 9" CLIP                                           | QTY 6 / 12" CLIP  |                                                                                                                                                                                                | QTY 7 / 12" CLIP             |                                 |                  |                   |                   |                   |
| F (1/2" LAG / WOOD)          | QTY 4 / 9" CLIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | QTY 4 / 9" CLIP                                         | QTY 4 / 9" CLIP                                           | QTY 5 / 9" CLIP   |                                                                                                                                                                                                | QTY 5 / 9" CLIP              |                                 |                  |                   |                   |                   |
| 120                          | A (3/8" SCREW-BOLT+ / CONC.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | QTY 6 / 12" CLIP                                        | QTY 7 / 12" CLIP                                          | QTY 8 / 15" CLIP  | QTY 9 / 15" CLIP                                                                                                                                                                               | QTY 10 / 18" CLIP            |                                 |                  |                   |                   |                   |
|                              | B (3/8" SCREW-BOLT+ / CMU)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | QTY 9 / 15" CLIP                                        | QTY 11 / 18" CLIP                                         | QTY 12 / 21" CLIP | QTY 14 / 24" CLIP                                                                                                                                                                              | QTY 14 / 24" CLIP            |                                 |                  |                   |                   |                   |
|                              | C (3/8"-16 BOLT / STEEL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | QTY 4 / 9" CLIP                                         | QTY 4 / 9" CLIP                                           | QTY 4 / 9" CLIP   | QTY 4 / 9" CLIP                                                                                                                                                                                | QTY 4 / 9" CLIP              |                                 |                  |                   |                   |                   |
|                              | D (3/8" LAG / WOOD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | QTY 6 / 12" CLIP                                        | QTY 6 / 12" CLIP                                          | QTY 7 / 12" CLIP  | QTY 7 / 12" CLIP                                                                                                                                                                               | QTY 9 / 15" CLIP             |                                 |                  |                   |                   |                   |
|                              | E (1/2" SCREW-BOLT+ / CONC.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | QTY 4 / 9" CLIP                                         | QTY 5 / 9" CLIP                                           | QTY 6 / 12" CLIP  | QTY 7 / 12" CLIP                                                                                                                                                                               | QTY 7 / 12" CLIP             |                                 |                  |                   |                   |                   |
|                              | F (1/2" LAG / WOOD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | QTY 4 / 9" CLIP                                         | QTY 4 / 9" CLIP                                           | QTY 5 / 9" CLIP   | QTY 5 / 9" CLIP                                                                                                                                                                                | QTY 6 / 12" CLIP             |                                 |                  |                   |                   |                   |
| 5                            | <div>TABLE OF CONTENTS</div> <div>SHEET DESCRIPTION</div> <div>1NOTES, ANCHOR TABLE 1</div> <div>2TYP. ELEVATION, MULLION DETAILS</div> <div>3LOUVER ASSEMBLY DETAILS</div> <div>4HEAD/SILL INSTALL. DIRECTLY TO SUBSTRATE</div> <div>5HEAD/SILL INSTALL. W/ ALUM. MOUNTING ANGLE, 6" WALL</div> <div>6HEAD/SILL INSTALL. W/ STEEL MOUNTING ANGLE</div> <div>7JAMB INSTALLATION</div> <div>8BILL OF MATERIALS, PROFILES</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |                                                           |                   |                                                                                                                                                                                                |                              |                                 |                  |                   |                   |                   |
|                              | TABLE 1. INSTALLATION ANCHOR REQUIREMENTS (NOTE: THIS TABLE APPLIES TO ANCHORAGE OF 3X6X1/4 MULL AND JAMB CLIPS DIRECTLY TO SUBSTRATE, AS WELL AS 4X4X3/8 MOUNTING ANGLES TO SUBSTRATE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                         |                                                           |                   |                                                                                                                                                                                                |                              |                                 |                  |                   |                   |                   |
|                              | ANCHOR ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | OPENING SUBSTRATE                                       | ANCHOR TO OPENING FASTENER TYPE                           | MINIMUM EMBEDMENT | MINIMUM EDGE DISTANCE                                                                                                                                                                          |                              |                                 |                  |                   |                   |                   |
|                              | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SOLID UNCRACKED CONCRETE (4000 PSI MIN.)                | 3/8" DEWALT COATED CARBON STEEL SCREW-BOLT+               | 2 1/2"            | 1 1/2"                                                                                                                                                                                         |                              |                                 |                  |                   |                   |                   |
|                              | B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | GROUT- FILLED CMU (ASTM C-90 WITH 1,500 PSI MIN. GROUT) | 3/8" DEWALT COATED CARBON STEEL SCREW-BOLT+               | 3 1/4"            | 1 1/2"                                                                                                                                                                                         |                              |                                 |                  |                   |                   |                   |
|                              | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1/4" THICK MIN. A36 MIN. STEEL                          | 3/8"-16 BOLT, 300 SERIES COND. CW SS (65ksi MIN. YIELD)   | 1/4"              | 9/16"                                                                                                                                                                                          |                              |                                 |                  |                   |                   |                   |
|                              | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SOUTHERN PINE (SG = 0.55 MIN.)                          | 3/8" LAG SCREW, 300 SERIES COND. CW SS (65ksi MIN. YIELD) | 3"                | 1 1/2"                                                                                                                                                                                         |                              |                                 |                  |                   |                   |                   |
|                              | E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SOLID UNCRACKED CONCRETE (4000 PSI MIN.)                | 1/2" DEWALT COATED CARBON STEEL SCREW-BOLT+               | 2 1/2"            | 1 3/4"                                                                                                                                                                                         |                              |                                 |                  |                   |                   |                   |
|                              | F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SOUTHERN PINE (SG = 0.55 MIN.)                          | 1/2" LAG SCREW, 300 SERIES COND. CW SS (65ksi MIN. YIELD) | 3"                | 2"                                                                                                                                                                                             |                              |                                 |                  |                   |                   |                   |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |                                                           |                   |                                                                                                                                                                                                |                              |                                 |                  |                   |                   |                   |
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OVERALL ACTUAL LOUVER WIDTH =  
SUM OF ACTUAL WIDTHS OF ALL MULLED LOUVERS

60" ACTUAL LOUVER  
MAX. WIDTH, TYP.

12" MAX.

24" MAX.  
O.C.

120" MAX.  
ACTUAL  
LOUVER  
HEIGHT

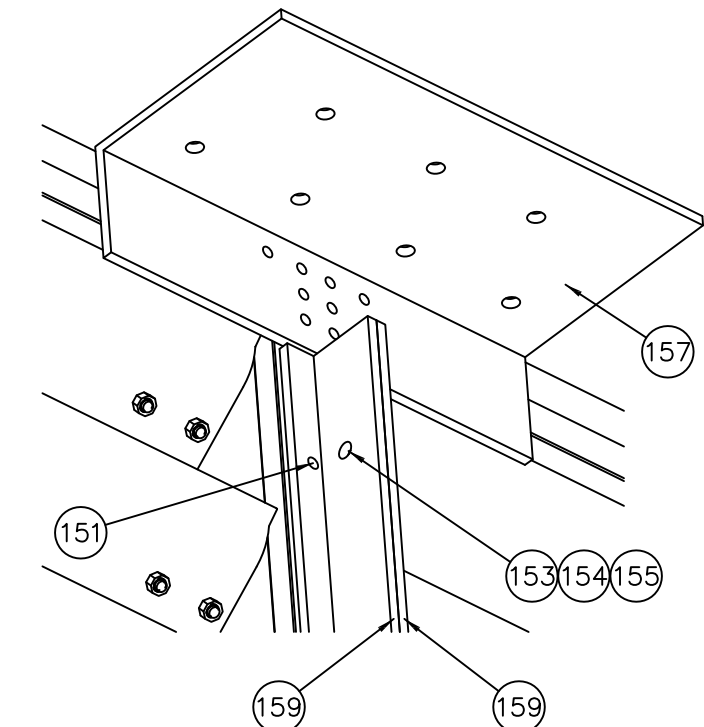
EXT.  
(40) TYP.

TYP., 3" MAX.  
FROM ENDS,  
6" MAX. O.C.

(153)(154)(155)  
3" MAX. FROM  
ENDS, 6" MAX. O.C.

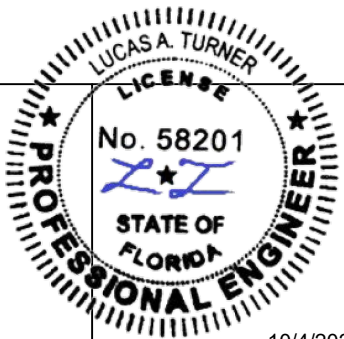
(159)  
TYP.

VERTICAL MULLION ASSEMBLY



MULLION VIEW FROM INTERIOR

TYPICAL ELEVATION



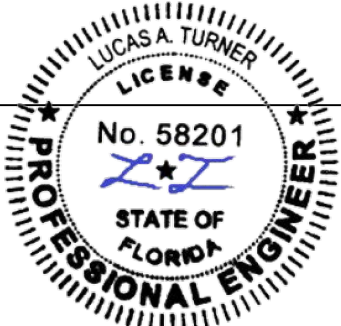
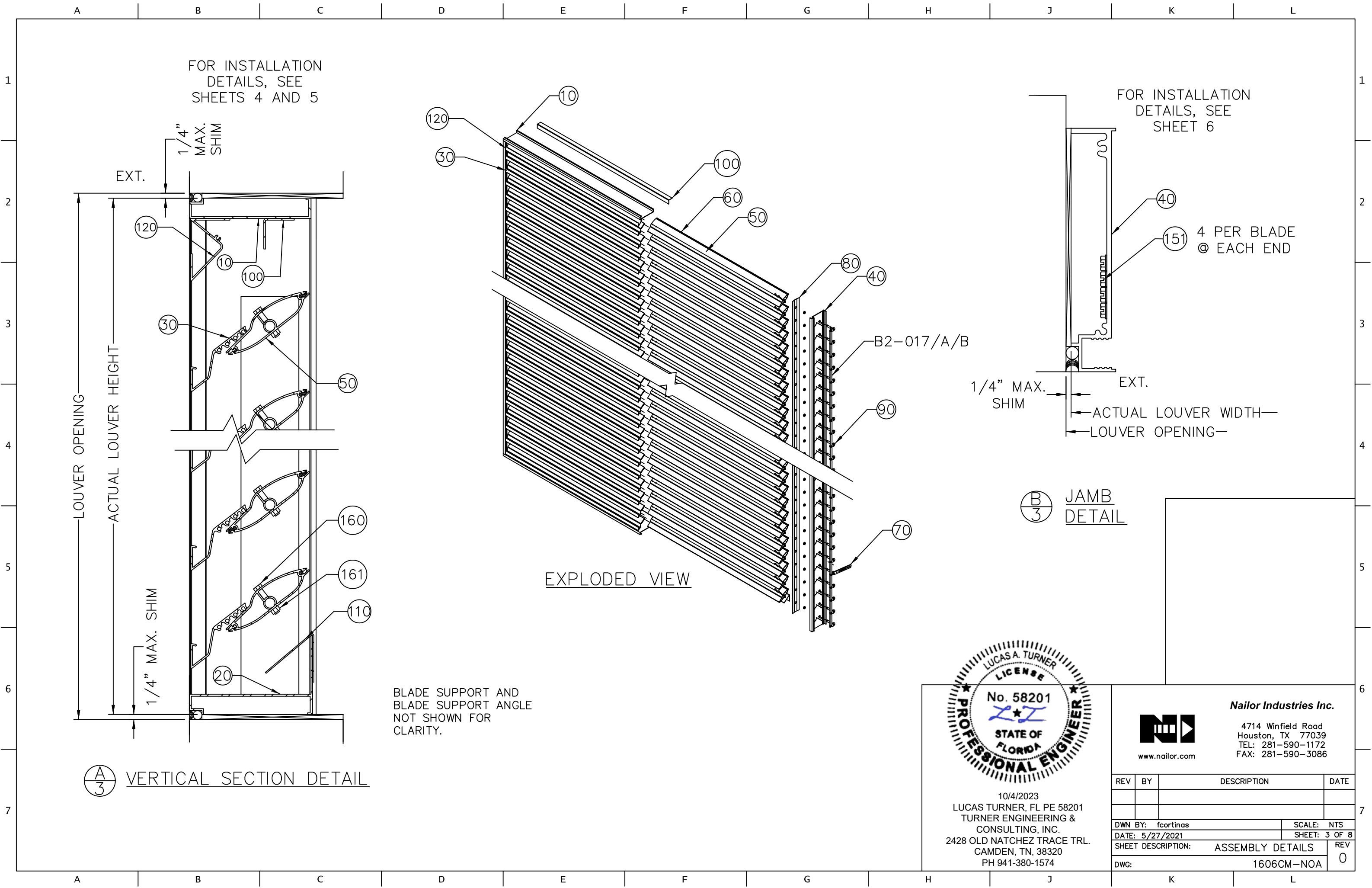
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LUCAS TURNER, FL PE 58201  
TURNER ENGINEERING &  
CONSULTING, INC.  
2428 OLD NATCHEZ TRACE TRL.  
CAMDEN, TN, 38320  
PH 941-380-1574



Nailor Industries Inc.

4714 Winfield Road  
Houston, TX 77039  
TEL: 281-590-1172  
FAX: 281-590-3086

| REV                                     | BY | DESCRIPTION   | DATE |
|-----------------------------------------|----|---------------|------|
|                                         |    |               |      |
|                                         |    |               |      |
| DWN BY: fcortinas                       |    | SCALE: NTS    |      |
| DATE: 5/27/2021                         |    | SHEET: 2 OF 8 |      |
| SHEET DESCRIPTION: ELEVATION, MULL DET. |    |               | REV  |
| DWG: 1606CM-NOA                         |    |               | 0    |

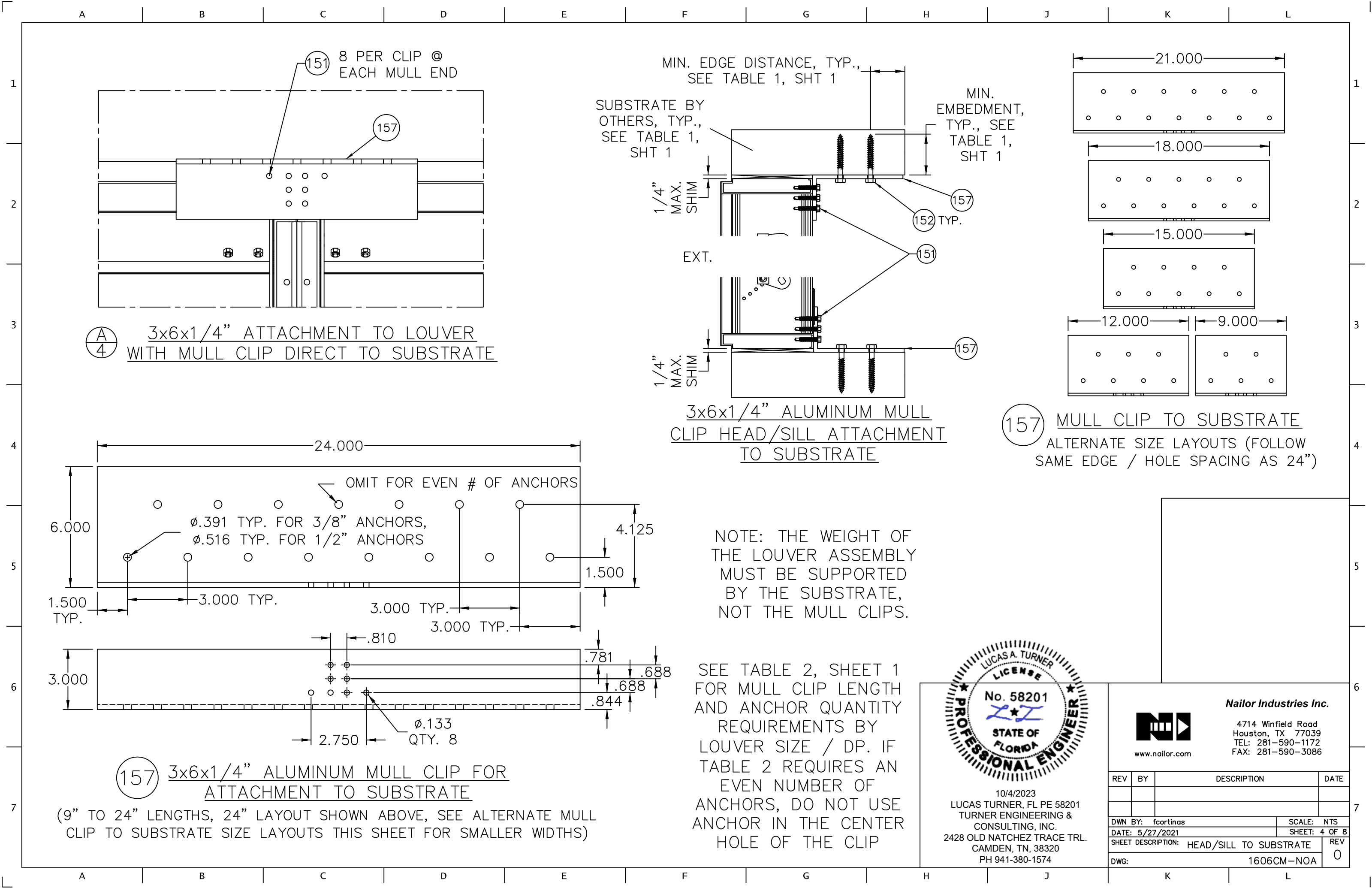


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|-------------------------------------|----|---------------|------|
|                                     |    |               |      |
|                                     |    |               |      |
| DWN BY: fcortinas                   |    | SCALE: NTS    |      |
| DATE: 5/27/2021                     |    | SHEET: 3 OF 8 |      |
| SHEET DESCRIPTION: ASSEMBLY DETAILS |    | REV           |      |
| DWG: 1606CM-NOA                     |    | 0             |      |



151 8 PER CLIP @ EACH MULL END

157

3x6x1/4" ATTACHMENT TO LOUVER WITH MULL CLIP DIRECT TO SUBSTRATE

MIN. EDGE DISTANCE, TYP., SEE TABLE 1, SHT 1

SUBSTRATE BY OTHERS, TYP., SEE TABLE 1, SHT 1

1/4" MAX. SHIM

EXT.

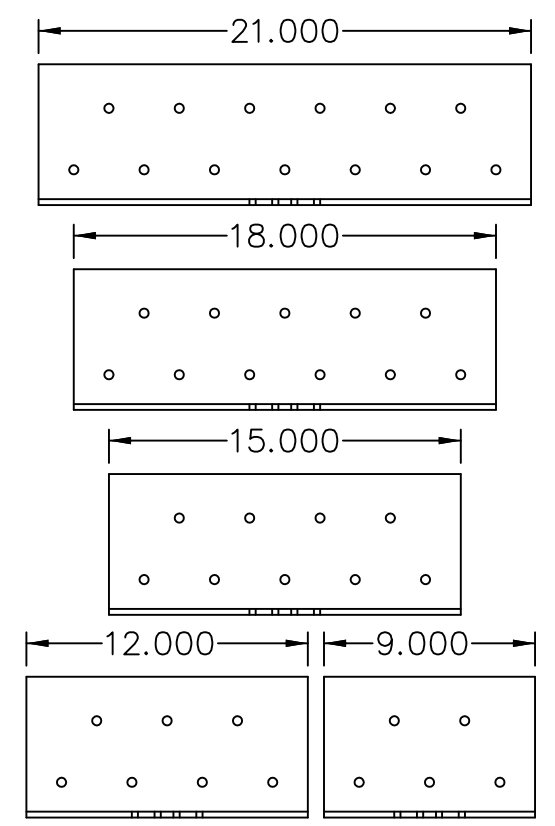
MIN. EMBEDMENT, TYP., SEE TABLE 1, SHT 1

152 TYP.

151

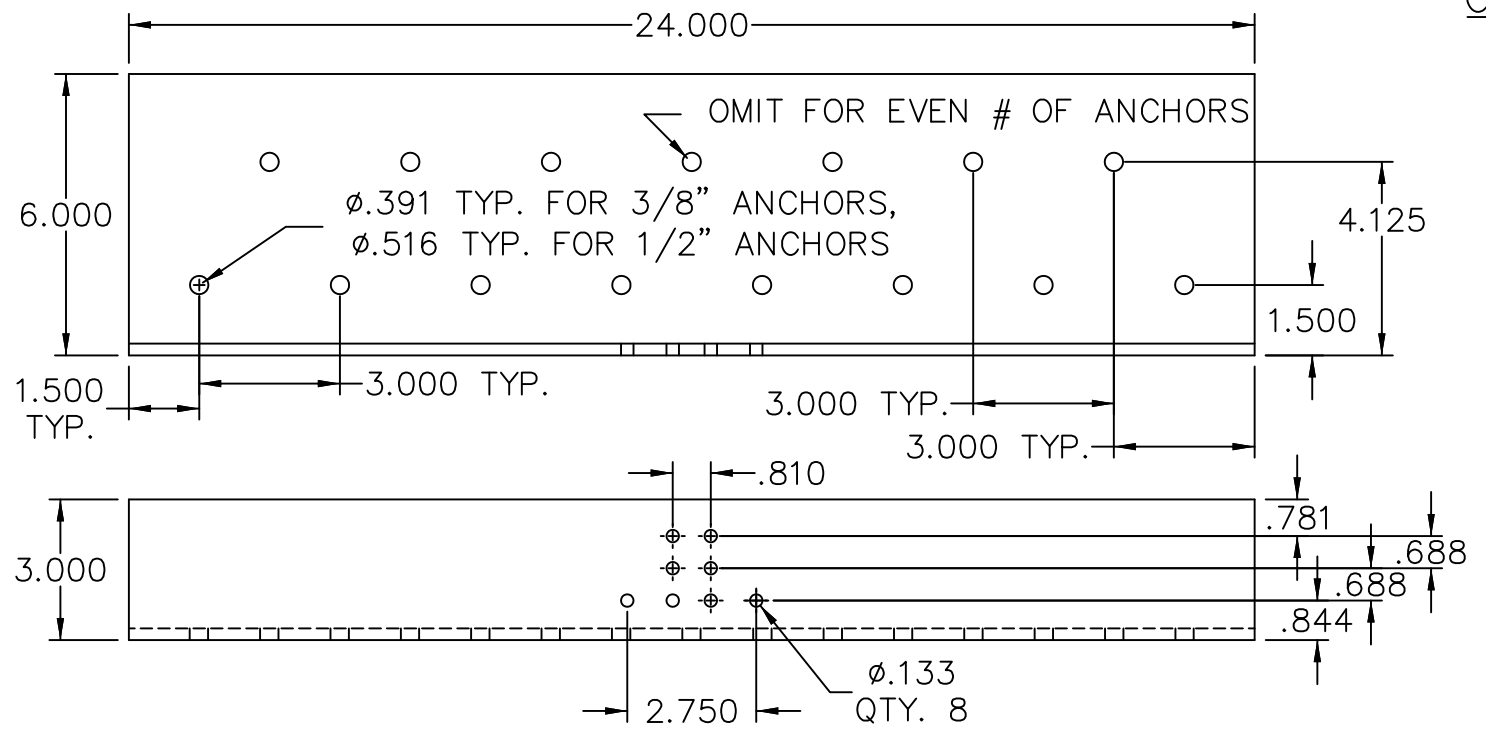
157

3x6x1/4" ALUMINUM MULL CLIP HEAD/SILL ATTACHMENT TO SUBSTRATE



157 MULL CLIP TO SUBSTRATE

ALTERNATE SIZE LAYOUTS (FOLLOW SAME EDGE / HOLE SPACING AS 24")



157 3x6x1/4" ALUMINUM MULL CLIP FOR ATTACHMENT TO SUBSTRATE

(9" TO 24" LENGTHS, 24" LAYOUT SHOWN ABOVE, SEE ALTERNATE MULL CLIP TO SUBSTRATE SIZE LAYOUTS THIS SHEET FOR SMALLER WIDTHS)

NOTE: THE WEIGHT OF THE LOUVER ASSEMBLY MUST BE SUPPORTED BY THE SUBSTRATE, NOT THE MULL CLIPS.

SEE TABLE 2, SHEET 1 FOR MULL CLIP LENGTH AND ANCHOR QUANTITY REQUIREMENTS BY LOUVER SIZE / DP. IF TABLE 2 REQUIRES AN EVEN NUMBER OF ANCHORS, DO NOT USE ANCHOR IN THE CENTER HOLE OF THE CLIP

LUCAS A. TURNER  
LICENSE  
No. 58201  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

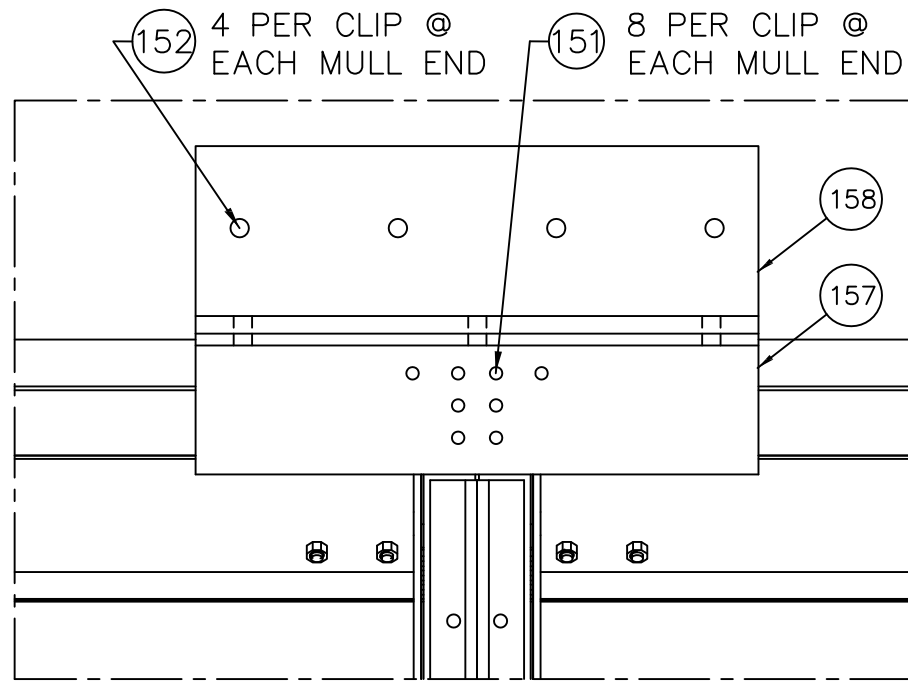
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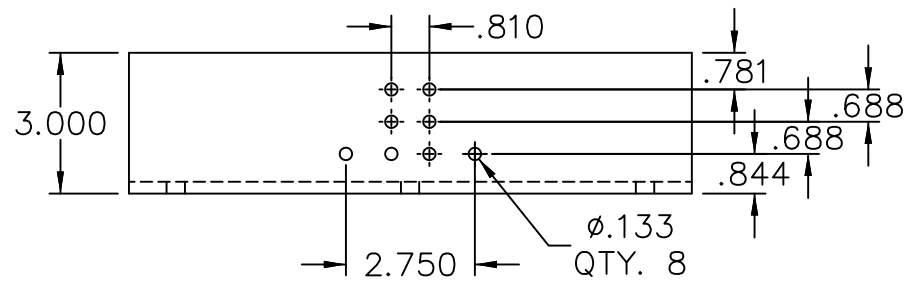
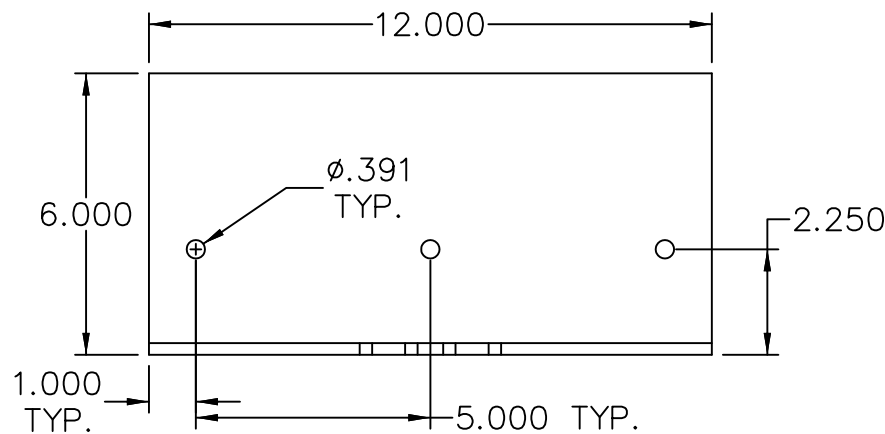
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| REV | BY | DESCRIPTION | DATE |
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|     |    |             |      |
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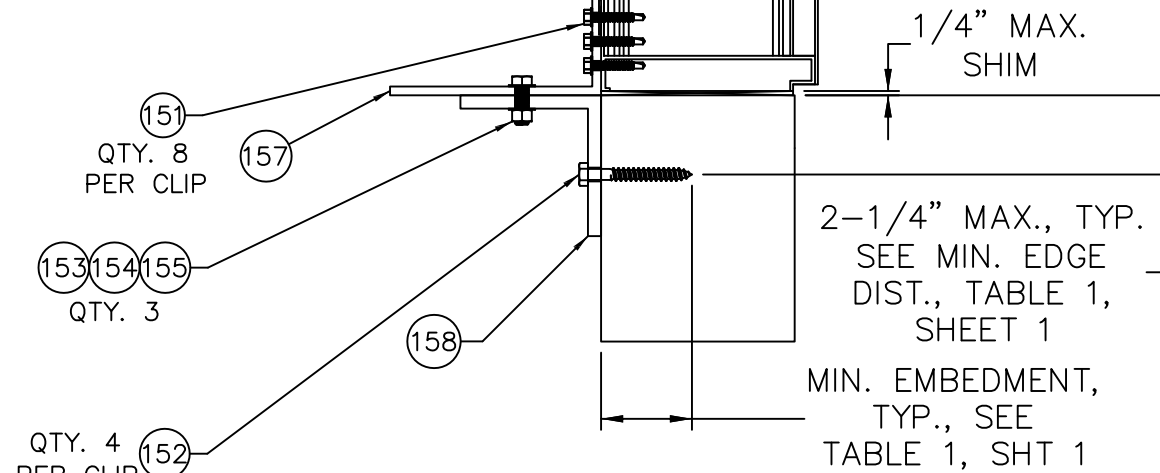
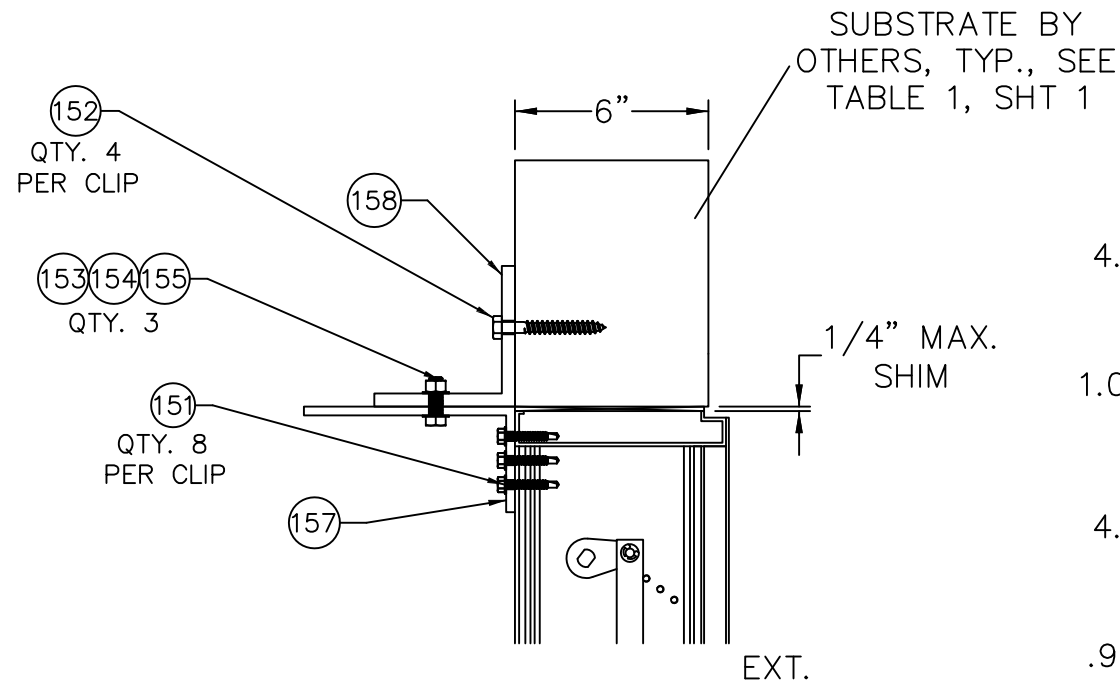
DWN BY: fcartinas SCALE: NTS  
DATE: 5/27/2021 SHEET: 4 OF 8  
SHEET DESCRIPTION: HEAD/SILL TO SUBSTRATE REV 0  
DWG: 1606CM-NOA



**(A/5)** MULL ATTACHMENT WITH 3x6x1/4" MOUNTING CLIP AND 4x4x3/8" MOUNTING ANGLE

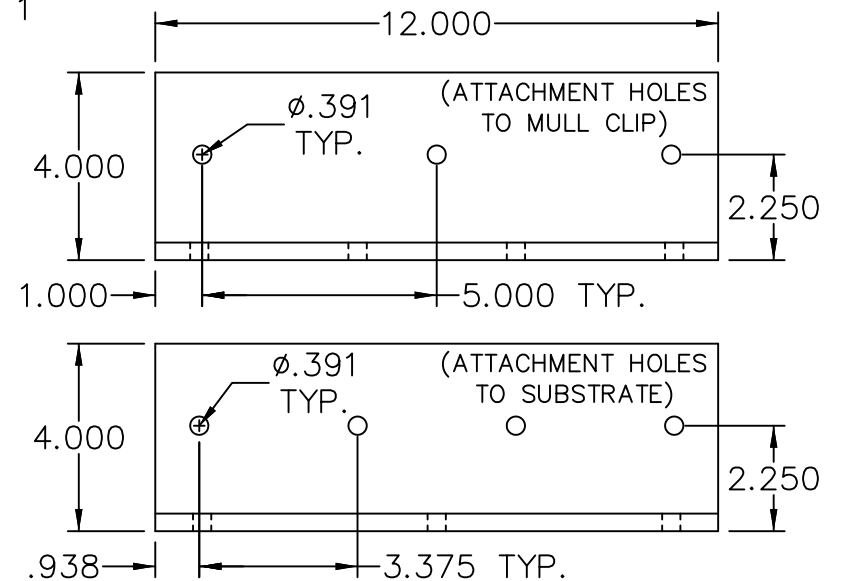


**(157)** 3x6x1/4" ALUMINUM MULL CLIP FOR ATTACHMENT TO MOUNTING ANGLE, 6" WALL

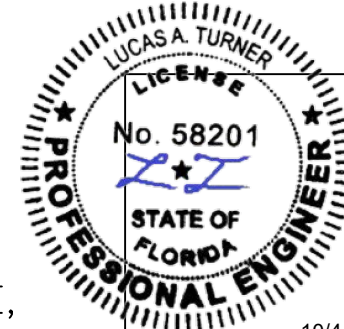


3x6x1/4" ALUMINUM MULL CLIP HEAD/SILL OPTIONAL ATTACHMENT TO 6" WALL WITH 4X4X3/8" ALUMINUM MOUNTING ANGLE

NOTE: THE WEIGHT OF THE LOUVER ASSEMBLY MUST BE SUPPORTED BY THE SUBSTRATE, NOT THE MULL CLIPS OR MOUNTING ANGLES.



**(158)** 4x4x3/8" ALUMINUM MOUNTING ANGLE @ MULLS

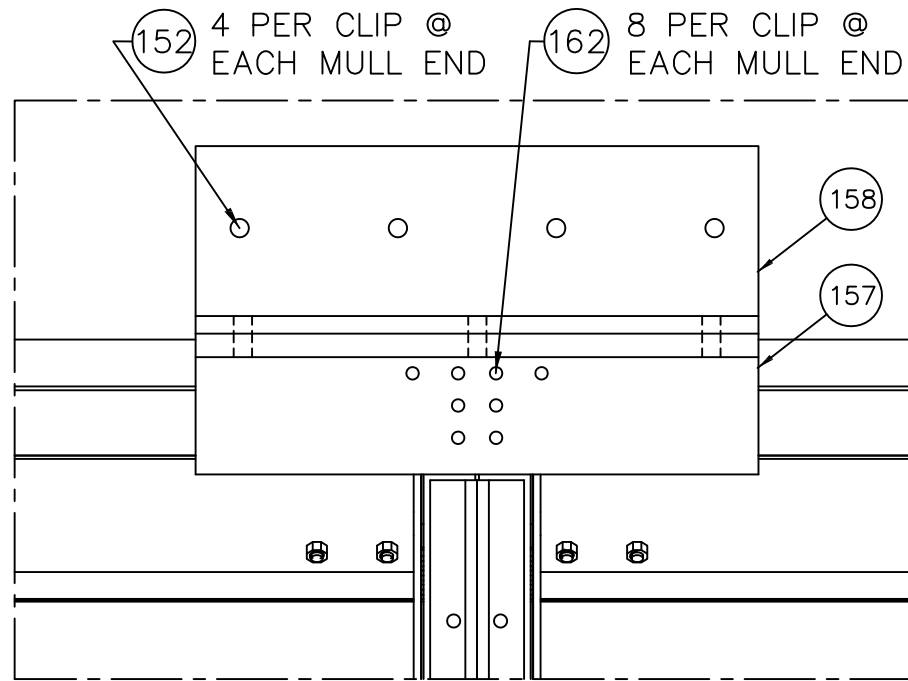


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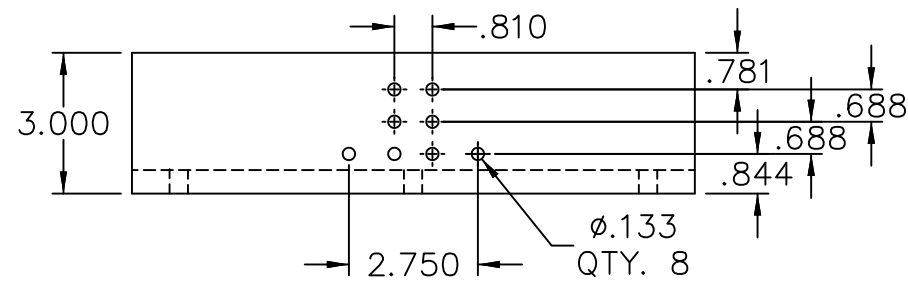
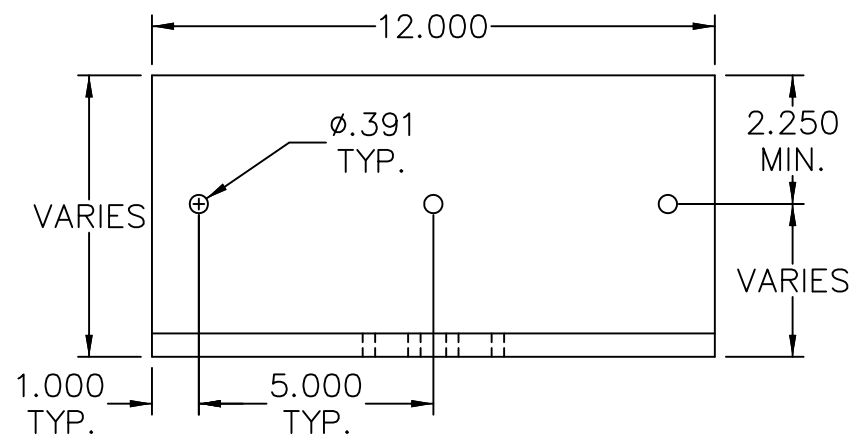


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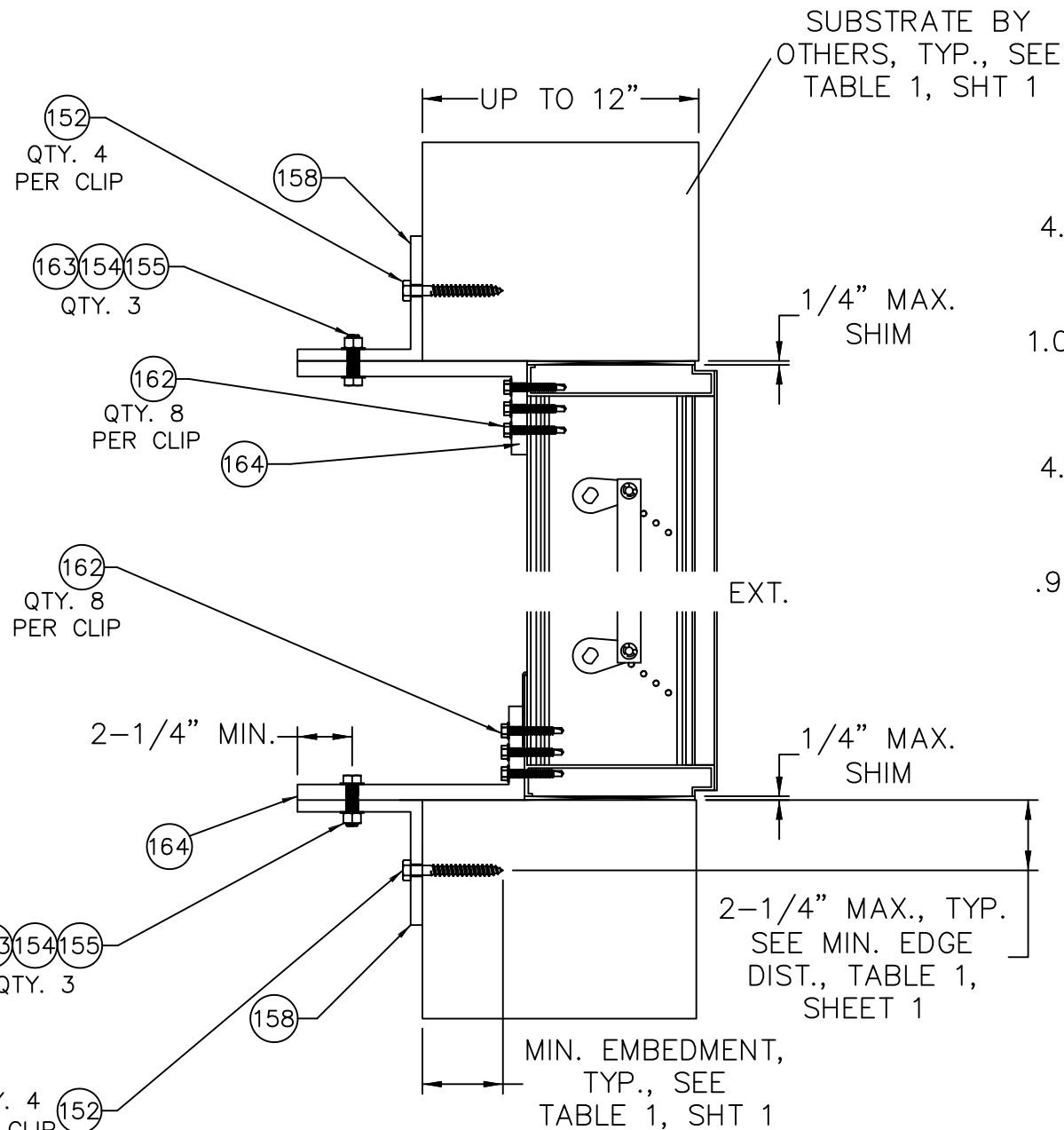
| REV                                   | BY | DESCRIPTION   | DATE |
|---------------------------------------|----|---------------|------|
|                                       |    |               |      |
|                                       |    |               |      |
| DWN BY: fcartinas                     |    | SCALE: NTS    |      |
| DATE: 5/27/2021                       |    | SHEET: 5 OF 8 |      |
| SHEET DESCRIPTION: HEAD/SILL, 6" WALL |    | REV           |      |
| DWG: 1606CM-NOA                       |    | 0             |      |



**(A)**  
**6** MULL ATTACHMENT WITH 3xXx1/2" STEEL MOUNTING CLIP AND 4x4x3/8" MOUNTING ANGLE

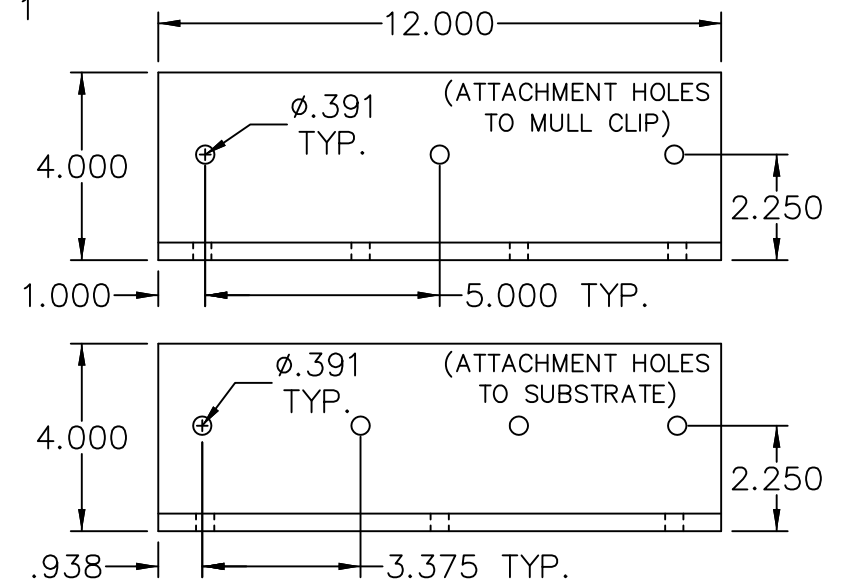


**(164)** 3xXx1/2" STEEL MULL CLIP FOR ATTACHMENT TO MOUNTING ANGLE

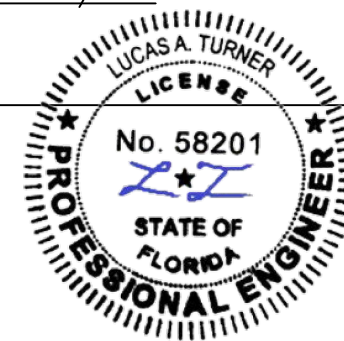


3xXx1/2" STEEL MULL CLIP HEAD/SILL OPTIONAL ATTACHMENT TO UP TO 12" WALL WITH 4x4x3/8" ALUMINUM MOUNTING ANGLE

NOTE: THE WEIGHT OF THE LOUVER ASSEMBLY MUST BE SUPPORTED BY THE SUBSTRATE, NOT THE MULL CLIPS OR MOUNTING ANGLES.



**(158)** 4x4x3/8" ALUMINUM MOUNTING ANGLE @ MULLS



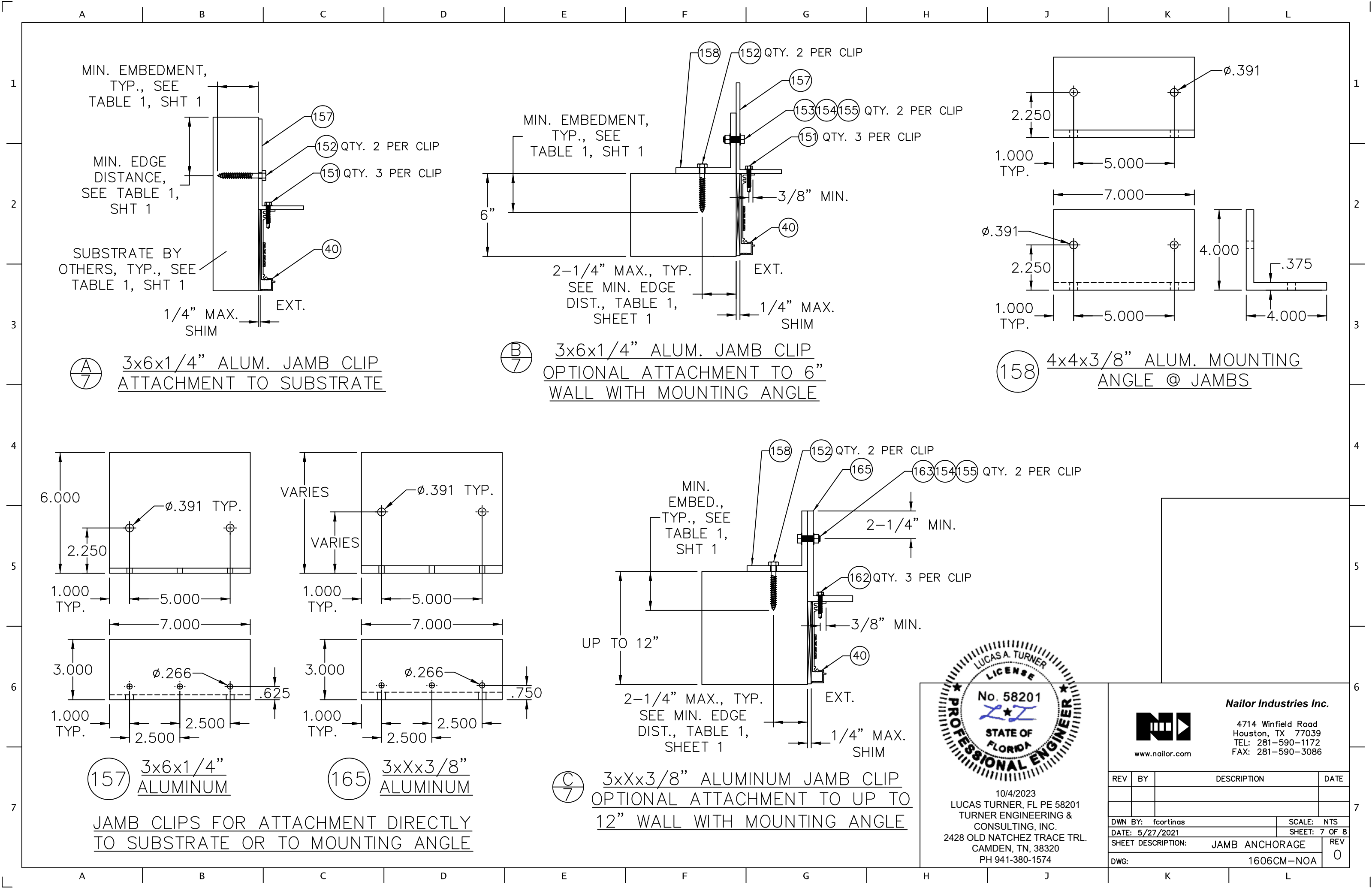
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FAX: 281-590-3086

| REV                                    | BY | DESCRIPTION   | DATE |
|----------------------------------------|----|---------------|------|
|                                        |    |               |      |
|                                        |    |               |      |
| DWN BY: fcartinas                      |    | SCALE: NTS    |      |
| DATE: 5/27/2021                        |    | SHEET: 6 OF 8 |      |
| SHEET DESCRIPTION: HEAD/SILL ANCHORAGE |    | REV           |      |
| DWG: 1606CM-NOA                        |    | 0             |      |



Ⓐ 3x6x1/4" ALUM. JAMB CLIP ATTACHMENT TO SUBSTRATE

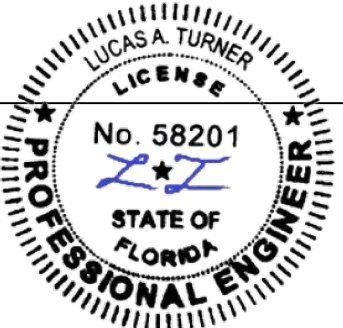
Ⓑ 3x6x1/4" ALUM. JAMB CLIP OPTIONAL ATTACHMENT TO 6" WALL WITH MOUNTING ANGLE

158 4x4x3/8" ALUM. MOUNTING ANGLE @ JAMBS

157 3x6x1/4" ALUMINUM

165 3xXx3/8" ALUMINUM

Ⓒ 3xXx3/8" ALUMINUM JAMB CLIP OPTIONAL ATTACHMENT TO UP TO 12" WALL WITH MOUNTING ANGLE

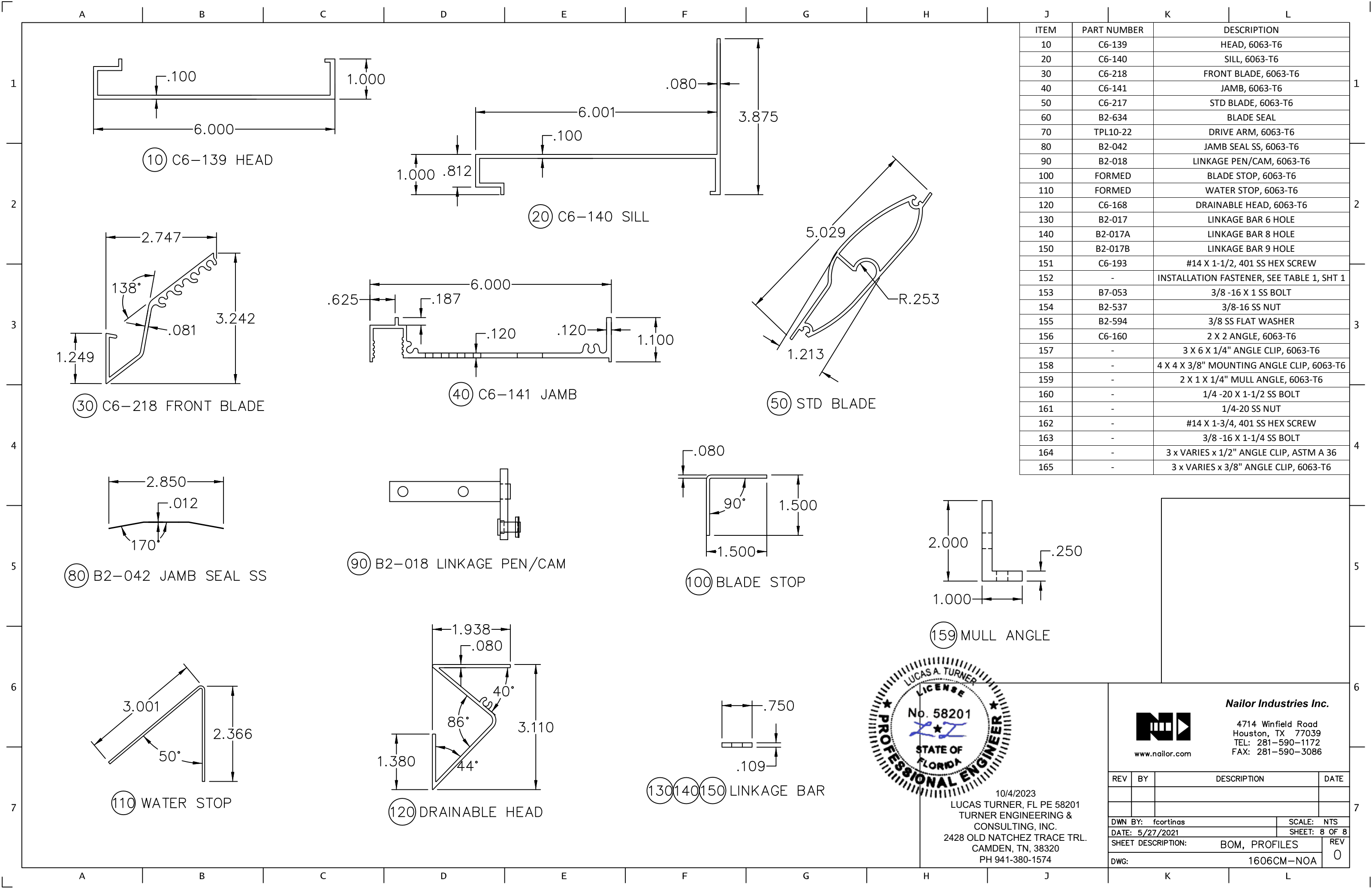


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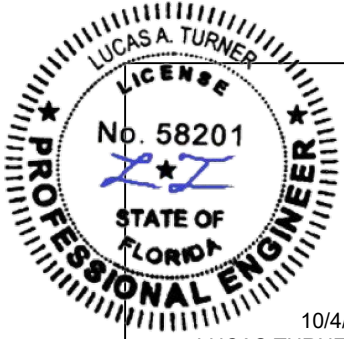


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| REV                               | BY | DESCRIPTION   | DATE |
|-----------------------------------|----|---------------|------|
|                                   |    |               |      |
|                                   |    |               |      |
| DWN BY: fcartinas                 |    | SCALE: NTS    |      |
| DATE: 5/27/2021                   |    | SHEET: 7 OF 8 |      |
| SHEET DESCRIPTION: JAMB ANCHORAGE |    | REV           |      |
| DWG: 1606CM-NOA                   |    | 0             |      |



| ITEM | PART NUMBER | DESCRIPTION                               |
|------|-------------|-------------------------------------------|
| 10   | C6-139      | HEAD, 6063-T6                             |
| 20   | C6-140      | SILL, 6063-T6                             |
| 30   | C6-218      | FRONT BLADE, 6063-T6                      |
| 40   | C6-141      | JAMB, 6063-T6                             |
| 50   | C6-217      | STD BLADE, 6063-T6                        |
| 60   | B2-634      | BLADE SEAL                                |
| 70   | TPL10-22    | DRIVE ARM, 6063-T6                        |
| 80   | B2-042      | JAMB SEAL SS, 6063-T6                     |
| 90   | B2-018      | LINKAGE PEN/CAM, 6063-T6                  |
| 100  | FORMED      | BLADE STOP, 6063-T6                       |
| 110  | FORMED      | WATER STOP, 6063-T6                       |
| 120  | C6-168      | DRAINABLE HEAD, 6063-T6                   |
| 130  | B2-017      | LINKAGE BAR 6 HOLE                        |
| 140  | B2-017A     | LINKAGE BAR 8 HOLE                        |
| 150  | B2-017B     | LINKAGE BAR 9 HOLE                        |
| 151  | C6-193      | #14 X 1-1/2, 401 SS HEX SCREW             |
| 152  | -           | INSTALLATION FASTENER, SEE TABLE 1, SHT 1 |
| 153  | B7-053      | 3/8 -16 X 1 SS BOLT                       |
| 154  | B2-537      | 3/8-16 SS NUT                             |
| 155  | B2-594      | 3/8 SS FLAT WASHER                        |
| 156  | C6-160      | 2 X 2 ANGLE, 6063-T6                      |
| 157  | -           | 3 X 6 X 1/4" ANGLE CLIP, 6063-T6          |
| 158  | -           | 4 X 4 X 3/8" MOUNTING ANGLE CLIP, 6063-T6 |
| 159  | -           | 2 X 1 X 1/4" MULL ANGLE, 6063-T6          |
| 160  | -           | 1/4 -20 X 1-1/2 SS BOLT                   |
| 161  | -           | 1/4-20 SS NUT                             |
| 162  | -           | #14 X 1-3/4, 401 SS HEX SCREW             |
| 163  | -           | 3/8 -16 X 1-1/4 SS BOLT                   |
| 164  | -           | 3 x VARIES x 1/2" ANGLE CLIP, ASTM A 36   |
| 165  | -           | 3 x VARIES x 3/8" ANGLE CLIP, 6063-T6     |



10/4/2023  
LUCAS TURNER, FL PE 58201  
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| REV                              | BY | DESCRIPTION   | DATE |
|----------------------------------|----|---------------|------|
|                                  |    |               |      |
|                                  |    |               |      |
| DWN BY: fcartinas                |    | SCALE: NTS    |      |
| DATE: 5/27/2021                  |    | SHEET: 8 OF 8 |      |
| SHEET DESCRIPTION: BOM, PROFILES |    | REV           |      |
| DWG: 1606CM-NOA                  |    | 0             |      |