

DRAWINGS PREPARED FOR:  
NTA, INC.  
ROOF PANEL IMPACT TESTING

  
1900 NE 25TH AVE, OCALA, FL 34470  
PHONE (352) 414-4700 FAX (352) 414-4642

MATERIAL USED:  
SHEATHING - 5052-H32 ALUMINUM SHEET, .090" THICK, ATTACHED WITH 1" WIDE ADHESIVE TAPE (VHB-CV62F)  
FRAMING - 6061-T6 ALUMINUM EXTRUSION, .25" THICK, 2" X 2", .125" THICK, 4" X 4"  
WELDING - FILLER (MAXAL 4043), 1/4" FILLET WELD TYPICAL

PRODUCT DESCRIPTION:  
.090" 5052-H32 SHEET ATTACHED TO 2" 6061-T6 STUDS WITH 1" WIDE ADHESIVE TAPE (FULL LENGTH OF STUD). STUDS WELDED IN PLACE  
USING 1/4" FILLET WELD WITH MAXAL 4043 FILLER BOTH SIDES.

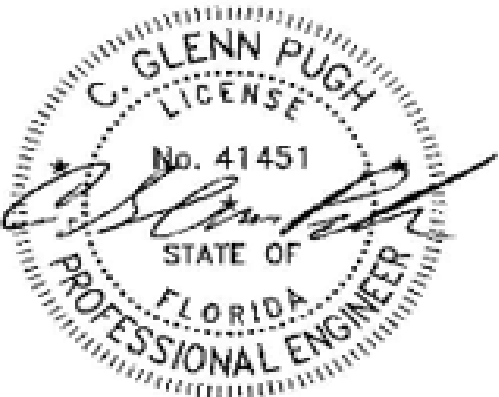
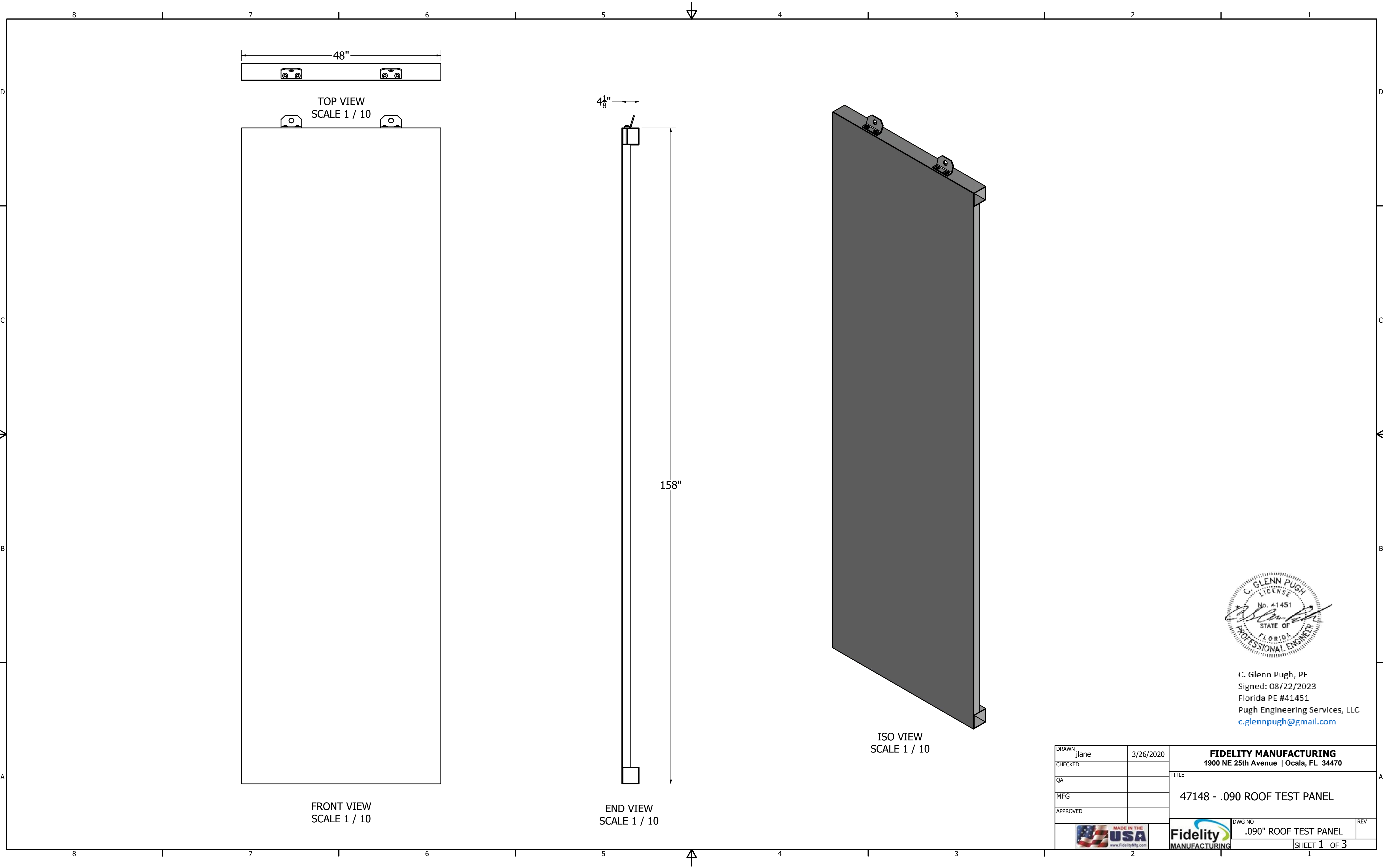
| DRAWING PACKAGE |               |
|-----------------|---------------|
| SHEET NUMBER    | SHEET TITLE   |
| 1               | NOTES         |
| 2               | ASSEMBLY VIEW |
| 3               | FRAME         |
| 4               | SKIN          |

REVISIONS:

| REVISION LEVEL | REVISION DESCRIPTION                                      | SHEET OF CHANGE(S) | ENGINEER | DATE       |
|----------------|-----------------------------------------------------------|--------------------|----------|------------|
| 00             | INITIAL RELEASE                                           |                    | JAL      | 3/26/2020  |
| 01             | REVISED 2" TUBING THICKNESS TO .25"; REVISED PANEL LENGTH |                    | JAL      | 5/29/2020  |
| 02             | REVISED TAPE DESIGNATION                                  |                    | CGP      | 02/28/2022 |
| 03             |                                                           |                    |          |            |
| 04             |                                                           |                    |          |            |

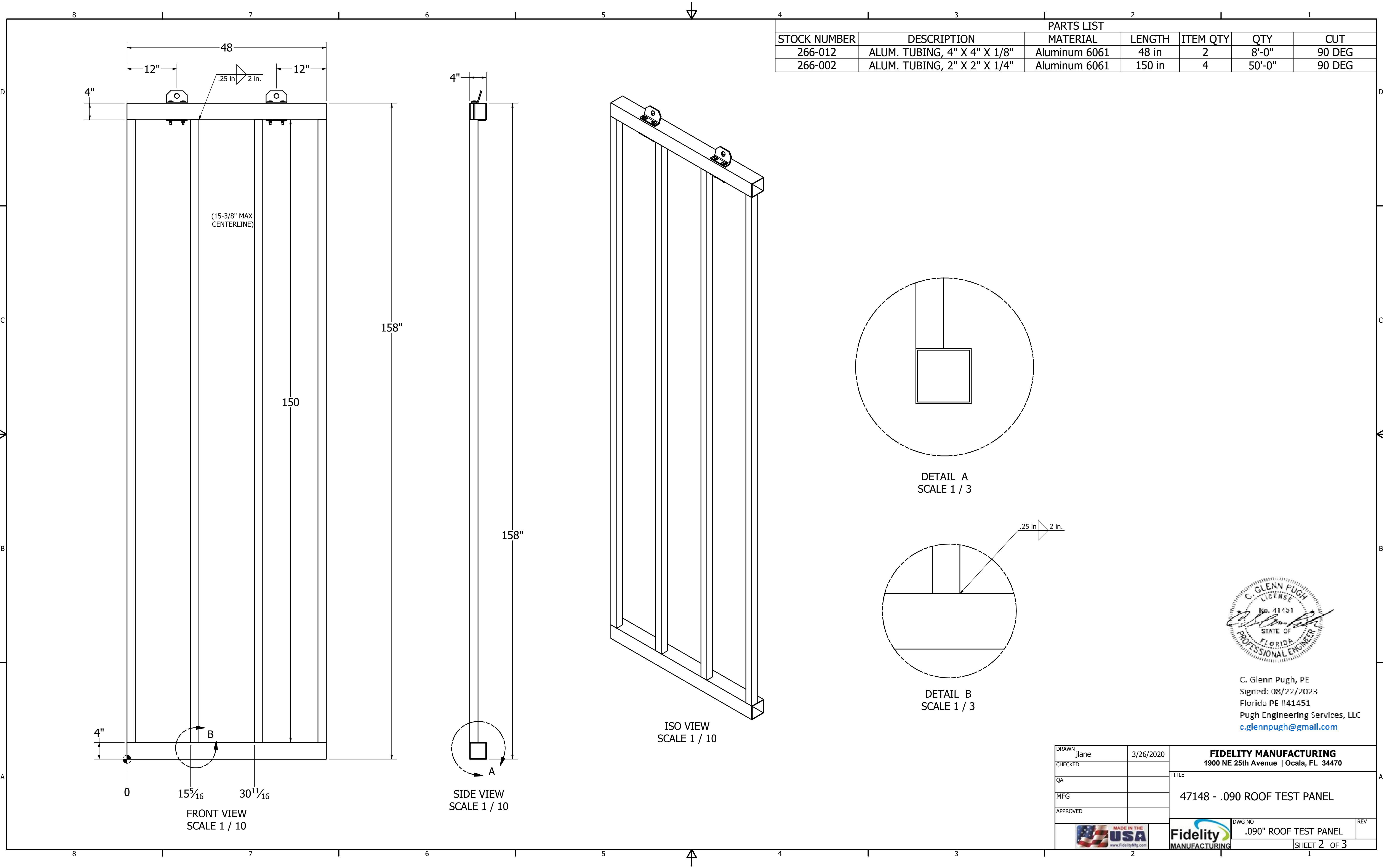


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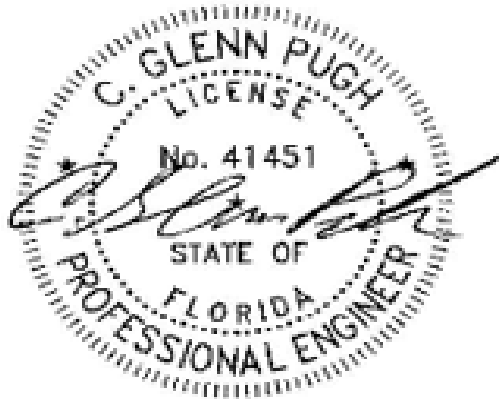


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|                                                                                       |       |                       |                                                                        |     |
|---------------------------------------------------------------------------------------|-------|-----------------------|------------------------------------------------------------------------|-----|
| DRAWN                                                                                 | jlane | 3/26/2020             | <b>FIDELITY MANUFACTURING</b><br>1900 NE 25th Avenue   Ocala, FL 34470 |     |
| CHECKED                                                                               |       |                       |                                                                        |     |
| QA                                                                                    |       |                       | 47148 - .090 ROOF TEST PANEL                                           |     |
| MFG                                                                                   |       |                       |                                                                        |     |
| APPROVED                                                                              |       |                       |                                                                        |     |
|  |       | DWG NO                |                                                                        | REV |
|                                                                                       |       | .090" ROOF TEST PANEL |                                                                        |     |
|  |       | SHEET 1 OF 3          |                                                                        |     |

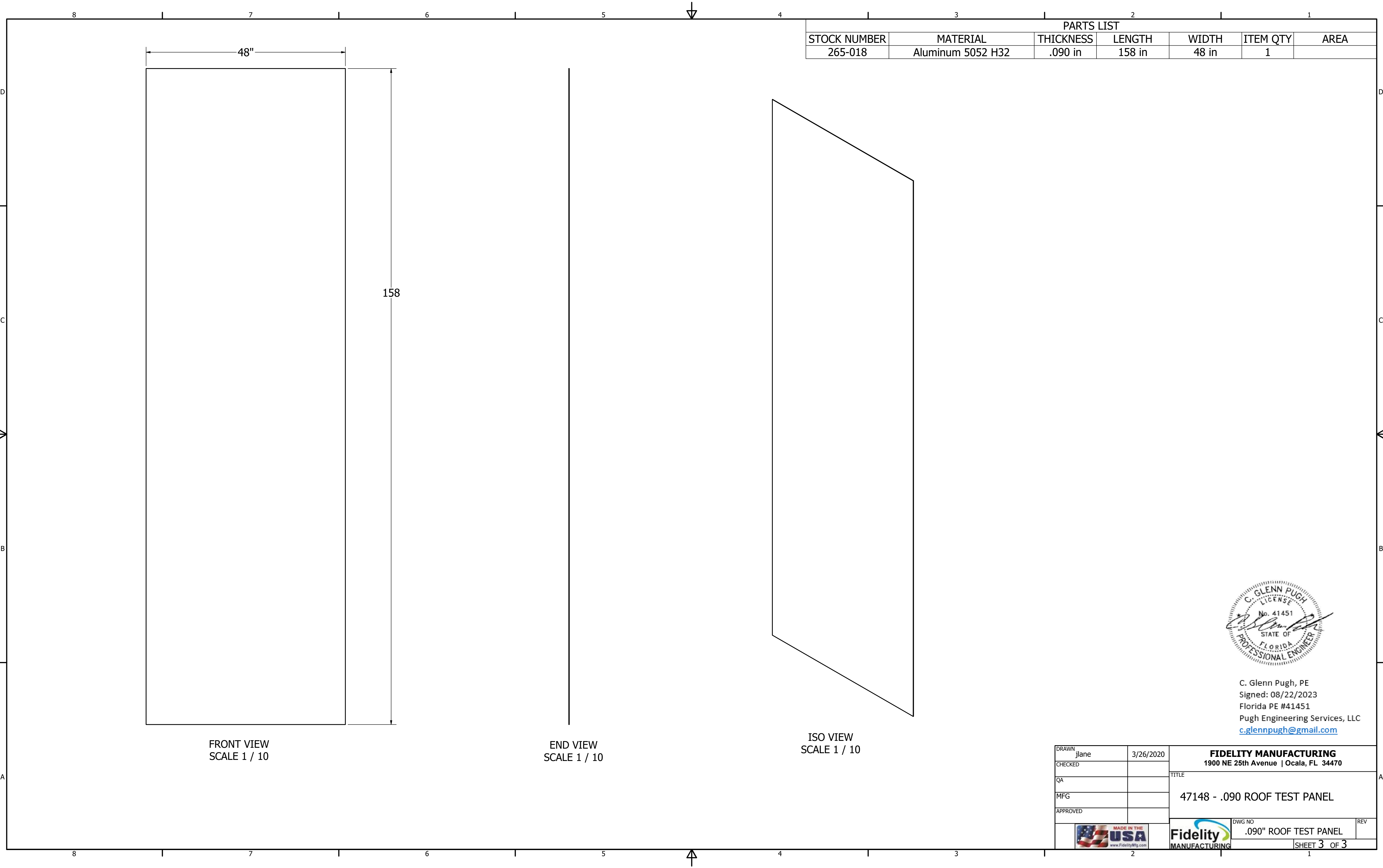


| PARTS LIST   |                              |               |        |          |        |        |
|--------------|------------------------------|---------------|--------|----------|--------|--------|
| STOCK NUMBER | DESCRIPTION                  | MATERIAL      | LENGTH | ITEM QTY | QTY    | CUT    |
| 266-012      | ALUM. TUBING, 4" X 4" X 1/8" | Aluminum 6061 | 48 in  | 2        | 8'-0"  | 90 DEG |
| 266-002      | ALUM. TUBING, 2" X 2" X 1/4" | Aluminum 6061 | 150 in | 4        | 50'-0" | 90 DEG |

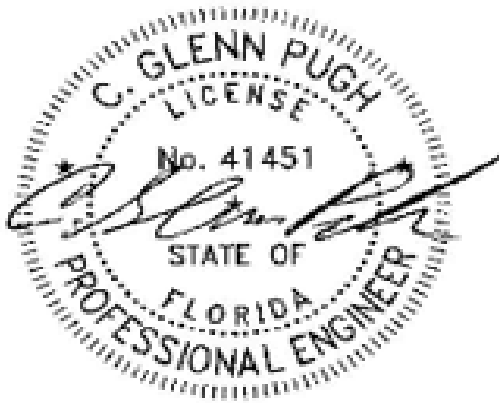


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|                |           |                                                                        |     |
|----------------|-----------|------------------------------------------------------------------------|-----|
| DRAWN<br>jlane | 3/26/2020 | <b>FIDELITY MANUFACTURING</b><br>1900 NE 25th Avenue   Ocala, FL 34470 |     |
| CHECKED        |           |                                                                        |     |
| QA             |           | 47148 - .090 ROOF TEST PANEL                                           |     |
| MFG            |           |                                                                        |     |
| APPROVED       |           |                                                                        |     |
|                |           | DWG NO<br>Fidelity MANUFACTURING .090" ROOF TEST PANEL                 | REV |
|                |           | SHEET 2 OF 3                                                           |     |



| PARTS LIST   |                   |           |        |       |          |      |
|--------------|-------------------|-----------|--------|-------|----------|------|
| STOCK NUMBER | MATERIAL          | THICKNESS | LENGTH | WIDTH | ITEM QTY | AREA |
| 265-018      | Aluminum 5052 H32 | .090 in   | 158 in | 48 in | 1        |      |



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|          |                                                                                       |           |                                                                                       |                                 |     |
|----------|---------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------|---------------------------------|-----|
| DRAWN    | jlane                                                                                 | 3/26/2020 | <b>FIDELITY MANUFACTURING</b><br>1900 NE 25th Avenue   Ocala, FL 34470                |                                 |     |
| CHECKED  |                                                                                       |           | TITLE<br><br>47148 - .090 ROOF TEST PANEL                                             |                                 |     |
| QA       |                                                                                       |           |                                                                                       |                                 |     |
| MFG      |                                                                                       |           |                                                                                       |                                 |     |
| APPROVED |                                                                                       |           |                                                                                       |                                 |     |
|          |  |           |  | DWG NO<br>.090" ROOF TEST PANEL | REV |
|          |                                                                                       |           | SHEET 3 OF 3                                                                          |                                 |     |