NOTICE OF ACCEPTANCE (NOA)

Nan Ya Plastics Corporation USA
8989 North Loop East
Suite 800
Houston, TX 77029–1217

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami–Dade County RER–Product Control Section to be used in Miami–Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami–Dade County Product Control Section (In Miami–Dade County) and/or the AHJ (in areas other than Miami–Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami–Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION:
Series 6'11" Outswing Glazed White PVC/Fiberglass Patio Door w/ Sidelites (OXX or XXO) – L.M.I.

APPROVAL DOCUMENT: Drawing No. NAN0023, Series titled “6'11"Fiberglass Outswing Patio Door”, sheets 1 through 08 of 08, dated 11/25/10, with revision “D” dated 04/16/12, prepared by PTC, LLC, signed and sealed by Robert James Amoruso, P. E., bearing the Miami–Dade County Product Control Section revision stamp with the Notice of Acceptance number and expiration date by the Miami–Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Taipei, Taiwan, Republic of China, series, and following statement: "Miami–Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami–Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 11–0307.02 and consists of this page 1 and evidence pages E–1, E–2 and E–3, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.

NOA No. 12–0612.15
Expiration Date: November 24, 2016
Approval Date: October 04, 2012
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
   1. Manufacturer's die drawings and sections.
      (Submitted under previous NOA No. 11–0307.02)
   2. Drawing No. NAN0023, Series titled “6’11”Fiberglass Outswing Patio Door”, sheets
      1 through 08 of 08, dated 11/25/10, with revision “D” dated 04/16/12, prepared by
      PTC, LLC, signed and sealed by Robert James Amoruso, P. E.

B. TESTS
   1. Test report on: 1) Air Infiltration Test, per FBC, TAS 202–94
      2) Uniform Static Air Pressure Test, Loading per PA 202–94
      3) Water Resistance Test, per FBC, TAS 202–94
      4) Large Missile Impact Test per FBC, TAS 201–94
      5) Cyclic Wind Pressure Loading per FBC, TAS 203–94
      6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202–94
      along with marked-up drawings and installation diagram of Fiberglass Outswing
      Opaque/ Glazed Door w/wo Sidelites, prepared by Certified Testing Laboratories,
      Inc., Test Report No. CTLA 2019W, dated 10/05/10, signed and sealed by Ramesh
      C. Patel, P. E.
      (Submitted under previous NOA No. 11–0307.02)

C. CALCULATIONS
   1. Anchor calculations and structural analysis, complying with FBC, prepared by PTC
      Engineering, Inc., dated 10/15/11, signed and sealed by Robert James Amoruso, P. E.
      (Submitted under previous NOA No. 11–0307.02)
   2. Complies with ASTM E1300–02/04

D. QUALITY ASSURANCE
   1. Miami–Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. 11–1102.11, issued to Solutia, Inc. for their “Saflex Clear
      or Color Glass Interlayers” dated 06/14/12, expiring on 05/21/16.
   2. Test Report No. ETC–06–255–17412.0, prepared by ETC Laboratories, dated
      04/25/06, re-issued on 07/10/06 to Nan Ya Plastics Corporation USA, for their
      Phenolic Foam Board/ ETC06013 plastic per ASTME E84–05 “Standard Test
      Method for Surface Burning Characteristics of Building Materials”, signed and sealed
      by Joseph Labora Doldan, P. E.
      (Submitted under previous NOA No. 11–0307.02)

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12–0612.15
Expiration Date: November 24, 2016
Approval Date: October 04, 2012
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (CONTINUED)
3. Test Report No. ETC–05–255–16776.1, prepared by ETC Laboratories, dated 07/06/06, issued by Nan Ya Plastics Corporation USA, for their SMC Fiberglass material (P/N: ETC05033), 4500 exposed Xenon Arch & tensile strength per ASTM D 638–03, Tensile strength, ASTM D 638–03, Smoke density per ASTM D2843–99, Rate of burning per ASTM D 635–98, Self ignition per ASTM D1929–01, signed and sealed by Joseph Labora Doldan, P. E.

(Submitted under previous NOA No. 11–0307.02)


(Submitted under previous NOA No. 11–0307.02)


(Submitted under previous NOA No. 11–0307.02)

F. STATEMENTS
1. Statement letter of no financial interest, conformance and complying with FBC–2010, issued by PTC, LLC, dated 04/25/12, signed and sealed by Robert James Amoroso, P. E.

2. Statement letter dated 09/04/2012, for standard equivalency of ASTM D635–98/03 conforming to FBC 2010 for above referenced test reports, issued by PTC, LLC, signed and sealed by Robert James Amoroso, P. E.


(Submitted under previous NOA No. 11–0307.02)

Jaime D. Gascón, P. E.
Product Control Section Supervisor
NOA No. 12–0612.15
Expiration Date: November 24, 2016
Approval Date: October 04, 2012
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)
   4. Laboratory compliance letters for Test Report No. CTLA–2019W, dated 10/05/10, issued by ETC Laboratories, all signed and sealed by Ramesh C. Patel, P. E. *(Submitted under previous NOA No. 11–0307.02)*
   5. Laboratory compliance letters for Test Reports No.’s ETC–06–255–17412.0, dated 04/25/06, ETC–05–255–17144.0, dated 07/03/08, ETC–05–255–16776.1, dated 07/06/06 and ETC–05–255–16777.1, dated 07/26/06, all issued by ETC Laboratories, all signed and sealed by Joseph Labora Doldan, P. E. *(Submitted under previous NOA No. 11–0307.02)*

G. OTHERS
   1. Notice of Acceptance No. 11–0307.02, issued to Nan Ya Plastics Corporation USA for their “Series 6'11" Outswing White PVC/ Fiberglass Doors w/ Sidelites – L.M.I.”, approved on 11/24/11 and expiring on 11/24/16.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12–0612.15
Expiration Date: November 24, 2016
Approval Date: October 04, 2012
# General Notes:

1. This product is designed to comply with the high velocity hurricane zone (HVHZ) of the 2007 and 2010 Florida Building Code (FBC) at the design pressure(s) stated herein. The product details contained herein are based upon signed and sealed test report # CTLA-2019/1d dated 05/10/19 and associated laboratory stamped drawings and were tested in accordance with current HVHZ test protocols.

2. Adequacy of the existing structural concrete, masonry, and 2x framing as a main wind force resisting system capable of withstanding and transferring applied product loads to the structure is the responsibility of the architect or engineer of record.

3. 1x and 2x bucks (when used) shall be designed and anchored to properly transfer all loads to the structure. Buck design and installation is the responsibility of the architect or engineer of record.

4. In areas where wind-borne debris protection requirements exist, use of an approved Miami Dade Impact Protective System is not required.

5. Door frame and panel material: Foam PVC & Aluminum threshold.

6. Designations "X" and "O" stands for the following:
   - X: Operable panel
   - O: Fixed panel

7. A 1/3 increase in allowable stress for wind loads was not used in the design of the product(s) shown herein. Wind load duration factor (Cd = 1.0) has been used for wood anchor design.

8. In accordance with the 2007 and 2010 FBC, Section 2003.7.4 Dissimilar metals including fasteners that may come in contact with aluminum window framing shall have been protected as defined in Section 2003.8.4.2.

9. Glass meets the requirements of ASTM E1300-84a.

# Installation Notes:

1. One (1) installation anchor is required at each anchor location shown.

2. The number of installation anchors depicted is the minimum number of anchors to be used for product installation. Anchors are to match type, size, and embedment of those shown herein for respective substrate.

3. Shim as required at each installation anchor with load bearing shim(s). Maximum allowable shim size is 1/4 inch. Shim where space of 1/16 inch or greater occurs. Shim(s) shall be constructed of high density plastic or better.

4. For installation into wood framing, use #12 wood screws of sufficient length to achieve 1-1/2 inch minimum embedment, minimum edge distance is 3/4 inches. Minimum anchor separation is 7/8 inch.

5. For door framing member installation through properly engineered and secured 1x buck to concrete or directly into concrete/masonry, use 3/8 inch ITW (Advanced Threadform Technology) tapcons of sufficient length to achieve 1 inch minimum embedment in hollow block (CMU) and 1-1/2 inches in concrete. Minimum edge distance is 2 inches in hollow block (CMU) and 1-1/2 inches in concrete.

6. For Mullion fastener plate (to substrate attachment):

   - For installation through properly engineered and secured 1x buck to concrete or directly into concrete use 1/4 inch ITW (Advanced Threadform Technology) tapcons of sufficient length to achieve 1-1/4 inches minimum embedment into concrete and minimum edge distance of 2-1/2 inches to concrete edge.

   - For installation into 2x wood framing or buck use No. 12 wood screws of sufficient length to achieve 1-1/2 inches minimum embedment into wood substrate and minimum edge distance of 7/8 inches to wood substrate edge.

7. Minimum embedment and edge distance exclude wall finishes (including but not limited to stucco, foam, brick veneer and siding).

8. For concrete block, do not install installation anchors into mortar joints. Edge distance is measured from free edge of block or edge of mortar joint into face of block.

9. Installation anchor capacities for products herein are based on substrate materials with the following properties:
   - B: Concrete - Minimum compressive strength of 2500 PSI.
   - C: Masonry - Strength conformance to ASTM C-65, medium weight / 117pcf density (or greater).

10. For hinge attachment see Sheet 2, hinge details.

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# Design Pressure Rating (PSF)

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- Door assemblies installed where the overhang ratio (OH) is equal to or more than 1 need to be tested for water infiltration per FBC 1714.5.1(2). OH Ratio = Overhang Length / Overhang Height.
ELEVATION (OXX)

ANCHOR LAYOUT

ELEVATION VIEW

*ITEM NO. 46 USED TO SECURE JAMBS THROUGH REINFORCING MULLION

HINGE TO JAMB
MASONRY/CONCRETE INSTALLATION

HINGE TO JAMB
WOOD FRAMING INSTALLATION

HINGE TO MULLION
WOOD FRAMING OR MASONRY/CONCRETE INSTALLATION
**E** VERTICAL SECTION
CONCRETE / MASONRY SUBSTRATE
OUTSWING DOOR PANEL @ HEAD

**D** VERTICAL SECTION
CONCRETE SUBSTRATE
OUTSWING DOOR PANEL @ SILL

**F** VERTICAL SECTION
WOOD FRAME SUBSTRATE
OUTSWING DOOR PANEL @ HEAD

**VERTICAL SECTION**
MULLION TO WOOD FRAME SUBSTRATE
HEAD SHOWN, SILL SIMILAR

**VERTICAL SECTION**
MULLION TO CONCRETE SUBSTRATE
HEAD SHOWN, SILL SIMILAR

**ISOLATION MATERIAL**
BETWEEN WOOD BUCK & CONCRETE / MASONRY
BY OTHERS

**PERIMETER SEALANT**
BY OTHERS

**CONCRETE BY OTHERS**
(SEE GEN. NOTE 2, SHT. 1 & INSTALLATION NOTE 98 ON SHT. 1)

**APPLY 1/2 CONTINUOUS BEAD OF SILICONE SEALANT**
BETWEEN SILL AND CONCRETE FOR FULL LENGTH OF SILL.

**CONCRETE BY OTHERS**
(SEE GEN. NOTE 2, SHT. 1 & INSTALLATION NOTE 98 ON SHT. 1)

**1/4" MAX SHIM**

**1-1/8" MIN. EDGE DISTANCE**

**1-1/2" MIN. EMBEDMENT**

**7/8" MIN. EDGE DISTANCE**

**1-1/2" MIN. EMBEDMENT**

**1/4" MAX SHIM**

**2X WOOD FRAME BY OTHERS**
(SEE GEN. NOTE 2, SHT. 1 & INSTALLATION NOTE 98 ON SHT. 1)

**EXTERIOR FINISH**
BY OTHERS

**CONCRETE BY OTHERS**
(SEE GEN. NOTE 2, SHT. 1 & INSTALLATION NOTE 98 ON SHT. 1)

**PERIMETER SEALANT**
BY OTHERS

**CONCRETE BY OTHERS**
(SEE GEN. NOTE 2, SHT. 1 & INSTALLATION NOTE 98 ON SHT. 1)

**1X BUCK BY OTHERS**
SEE GEN. NOTE 3 AND INSTALLATION NOTE 6.1 ON SHT. 1

**1X BUCK BY OTHERS**
SEE GEN. NOTE 3 AND INSTALLATION NOTE 6.1 ON SHT. 1

**14" MAX. SHIM**

**SEE CONNECTION DETAIL SHEET 6 FOR SCREWS**

**14" MAX. SHIM**

**2X JAMB**

**SEE CONNECTION DETAIL SHEET 6 FOR SCREWS**

**1X BUCK BY OTHERS**
SEE GEN. NOTE 3 AND INSTALLATION NOTE 6.1 ON SHT. 1

**APPLICATION OF silicone SEALANT**
BETWEEN SILL AND CONCRETE FOR FULL LENGTH OF SILL.

**APPLICATION OF silicone SEALANT**
BETWEEN SILL AND CONCRETE FOR FULL LENGTH OF SILL.
**G**

**HORIZONTAL SECTION**

WOOD FRAME SUBSTRATE

GLAZED SIDELITE PANEL @ JAMB

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**I**

**HORIZONTAL SECTION**

MULLION

GLAZED SIDELITE PANEL & ACTIVE DOOR

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**J**

**HORIZONTAL SECTION**

ASTRAGAL

INACTIVE DOOR & ACTIVE DOOR PANEL

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**H**

**HORIZONTAL SECTION**

CONCRETE / MASONRY SUBSTRATE

GLAZED INACTIVE PANEL @ JAMB

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**SIDELITE NOTE**

THE SIDELITE IS SECURED TO THE JAMB WITH #10 x 2" SCREWS FROM JAMB INTO PANEL. SPACED AS FOLLOWS:

A. HEAD AND STILE: 3 SCREWS AT 5" FROM EACH END AND 26-3/32" O.C. THEREAFTER

B. JAMBS: 3 SCREWS AT 4" FROM EACH END AND 16-63/64" O.C. THEREAFTER FROM HEAD TO STILE.

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**CONCRETE / MASONRY BY OTHERS**

(SEE GEN. NOTE 2, SHT. 1 & INSTALLATION NOTE 8 ON SHT. 1)

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**2" MIN EDGE DISTANCE CMU**

(SEE INST. NOTE 8 SHEET 1)

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**1-1/8" MIN. EDGE DISTANCE CONCRETE**

(SEE INST. NOTE 8 SHEET 1)

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**1X BUCK BY OTHERS**

SEE GEN. NOTE 3 AND INSTALLATION NOTE 6.1 ON SHT. 1

---

**EXTERNAL FINISH BY OTHERS**

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**PERIMETER SEALANT BY OTHERS**

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**MAX. O.A. FRAME WIDTH = 108-1/2"**

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**EXTERIOR FINISH BY OTHERS**
MULLION ATTACHMENT AND INSTALLATION NOTES:

1. MULLION ATTACHMENT TO THE FRAME HEAD, SILL AND JAMB - CONNECTION/FASTENER PLATE

1.1. THE MULLION IS ATTACHED TO THE SUBSTRATE FRAME HEAD AND SILL UTILIZING TWO (2) STEEL PLATES; THE FASTENER PLATE (ITEM NO. 42) AND THE CONNECTION PLATE (ITEM NO. 43).

1.1.1. THE CONNECTION PLATE (ITEM NO. 43) TIES THE FRAMING COMPONENTS TOGETHER.

1.1.2. THE FASTENER PLATE (ITEM NO. 42) SERVES TO SECURE THE MULLION TO THE SUPPORTING SUBSTRATE.

1.2. FOUR (4) #10 X 2.50" F.H. S.M.S. (ITEM NO. 46) ARE USED TO SECURE THE CONNECTION/FASTENER PLATE COMBINATION TO THE JAMB FRAMING MEMBERS AT HEAD OR SILL.

1.3. FOUR (4) #10 X 1.50" F.H. S.M.S. (ITEM NO. 48) ARE USED TO SECURE THE CONNECTION PLATE TO THE HEAD OR SILL FRAMING MEMBERS; TWO (2) S.M.S. ARE USED IN EITHER SIDE OF THE MULLION AT THE HEAD OR SILL.

1.3.1. ADDITIONALLY, ONE (1) #10 X 0.875" F.H. S.M.S. (ITEM NO. 52) IS USED TO SECURE THE CONNECTION PLATE TO THE REINFORCING MULLION AT THE HEAD OR SILL.

2. FASTENER PLATE ANCHORAGE TO SUPPORTING SUBSTRATE:

2.1. FOR PLATE ATTACHMENT (ITEM NO. 42) TO WOOD FRAME SUBSTRATES USE FOUR (4) #14 WOOD SCREWS (ITEM NO. 61) PER PLATE AT THE HEAD OR SILL (EACH MULLION END) INTO THE INSTALLATION BUCKING OR FRAME. A MINIMUM OF 1-1/2" EMBEDMENT INTO SUBSTRATE AND MAINTAINING AT LEAST 1" MINIMUM EDGE DISTANCE IS REQUIRED.

2.2. FOR PLATE ATTACHMENT (ITEM NO. 42) TO CONCRETE SUBSTRATES USE TWO (2) 1/4" I.T.W. TAPCONS (ADVANCED THREADFORM TECHNOLOGY) (ITEM NO. 60) PER PLATE AT THE HEAD OR SILL (EACH MULLION END) THROUGH THE INSTALLATION BUCKING (IN APPLICABLE) INTO THE CONCRETE SUBSTRATE; A MINIMUM OF 13/4" EMBEDMENT INTO SUBSTRATE AND MAINTAINING AT LEAST 2-1/2" MINIMUM EDGE DISTANCE IS REQUIRED.
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<td>BOTTOM BAR KEEPER</td>
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**SMC FIBERGLASS**

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<th>MANUF.</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>TOP BAR KEEPER</td>
<td>STAINLESS STEEL</td>
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</tr>
<tr>
<td>34</td>
<td>SLAB MULTI-POINT LOCK KEEPER</td>
<td>STAINLESS STEEL</td>
<td>---</td>
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<tr>
<td>35</td>
<td>HEAVY HOOK KEEPER</td>
<td>STAINLESS STEEL</td>
<td>---</td>
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<tr>
<td>36</td>
<td>MULTI-POINT LOCKING SYSTEM</td>
<td>STAINLESS STEEL, DIE CAST</td>
<td>---</td>
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<tr>
<td>37</td>
<td>TOP AND BOTTOM DRIVE BAR SYSTEM</td>
<td>STAINLESS STEEL, DIE CAST</td>
<td>---</td>
</tr>
<tr>
<td>38</td>
<td>ROYAL SERIES HANDLE SET FOR ACTIVE PNL.</td>
<td>DIE CAST, SATIN, NICKEL</td>
<td>---</td>
</tr>
<tr>
<td>39</td>
<td>ROYAL SERIES HANDLE SET FOR PASSIVE PNL.</td>
<td>DIE CAST, SATIN, NICKEL</td>
<td>---</td>
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<tr>
<td>40</td>
<td>SMC FIBERGLASS, EXTERIOR SKIN FTU = 11,860 PSI</td>
<td>SHEET MOLDING COMPOUND</td>
<td>NANYA</td>
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<tr>
<td>40A</td>
<td>SMC FIBERGLASS, INTERIOR SKIN FTU = 11,860 PSI</td>
<td>SHEET MOLDING COMPOUND</td>
<td>NANYA</td>
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<tr>
<td>41</td>
<td>PU FOAM</td>
<td>PHENOLIC FOAM</td>
<td>NANYA</td>
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<td>42</td>
<td>FASTENER PLATE</td>
<td>STAINLESS STEEL 410</td>
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<td>43</td>
<td>CONNECTION PLATE</td>
<td>STAINLESS STEEL 410</td>
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</tr>
<tr>
<td>44</td>
<td>REINFORCING MULLION</td>
<td>ALUMINUM 6063 T-6</td>
<td>SEE NOTE BELOW</td>
</tr>
<tr>
<td>45</td>
<td>#10 X 2&quot; PHILLIPS FLAT HEAD SCREW</td>
<td>CARBON STEEL</td>
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<tr>
<td>46</td>
<td>#10 X 3&quot; PHILLIPS SQUARE DRIVE SCREW</td>
<td>CARBON STEEL</td>
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<td>47</td>
<td>#10 X 1.1/2&quot; PHILLIPS SQUARE DRIVE SCREW</td>
<td>CARBON STEEL</td>
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<td>48</td>
<td>#10 X 7/8&quot; PHILLIPS FLAT HEAD SCREW</td>
<td>CARBON STEEL</td>
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<tr>
<td>49</td>
<td>3/16&quot; I.T.W. ADVANCED THREADFORM TECHNOLOGY TAPCON</td>
<td>CARBON STEEL, I.T.W.</td>
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<tr>
<td>50</td>
<td>#12 PHILLIPS FLAT HEAD WOOD SCREW</td>
<td>CARBON STEEL</td>
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<tr>
<td>51</td>
<td>1/4&quot; I.T.W. ADVANCED THREADFORM TECHNOLOGY TAPCON (MULLION ANCHORS)</td>
<td>CARBON STEEL, I.T.W.</td>
<td>---</td>
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</tbody>
</table>

**SMC FIBERGLASS**

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Material</th>
<th>MANUF.</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>1-1/4&quot; I.T.W. ADVANCED THREADFORM TECHNOLOGY TAPCON</td>
<td>CARBON STEEL, I.T.W.</td>
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</tr>
<tr>
<td>53</td>
<td>SHEET MOLDING COMPOUND</td>
<td>SHEET MOLDING COMPOUND</td>
<td>---</td>
</tr>
<tr>
<td>54</td>
<td>SHEET MOLDING COMPOUND</td>
<td>SHEET MOLDING COMPOUND</td>
<td>---</td>
</tr>
</tbody>
</table>

**PRODUCT REVISION**

complying with the Florida Building Code
Adequate No. 10902
Unlimited Date

State of Florida
James E. Davis
Florida R.E. No. 49752
Robert J. Amurrio
Florida P.E. No. 49752

[Diagram of handle sets and fastener plate]