NOTICE OF ACCEPTANCE (NOA)

Tecnoglass, LLC
3550 NW 49 Street
Miami, FL 33142

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 "PH 3200" Aluminum Sliding Glass Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. W07-95, titled “Series PH3200 Alum. Sliding Glass Door (L.M.I.)”, sheets 1 through 9 of 9, dated 11/08/07, with revision “D” dated 03/16/18, prepared by Al-Farook Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control 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 Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo Barranquilla, Colombia, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

REVISION 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 and renews NOA No. 09-0604.19 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Sifang Zhao, P. E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA’s
   A. DRAWINGS
      1. Manufacturer’s die drawings and sections. *(Submitted under NOA No. 08-0130.10)*
      2. Drawing No W07-95, titled “Series PH 3200 Alum. Sliding Glass Door (L.M.I.)”, sheets 1 through 7 of 7, dated 11/08/07, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P. E.

   B. TESTS
      1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
         2) Uniform Static Air Pressure Test, Loading, per FBC, TAS 202-94
         3) Water Resistance Test, per FBC, TAS 202-94
         4) Forced Entry Resistance, per FBC, TAS 202-94
         5) Large Missile Impact Test, per FBC, TAS 201-94
         6) Cyclic Wind Pressure Loading, per FBC, TAS 203-94
         along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-5245, dated 08/01/07, signed and sealed by Carlos S. Rionda, P.E. *(Submitted under NOA No. 08-0130.10)*

   C. CALCULATIONS
      1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 12/05/07, signed and sealed by Humayoun Farooq, P.E.
      2. Glazing complies with ASTM E1300-04/09

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

   E. MATERIAL CERTIFICATIONS
      1. Notice of Acceptance No. 07-1116.04 issued to E.I. DuPont DeNemours & Co., Inc. for their “DuPont Sentry Glass ® Plus” dated 01/03/08, expiring on 01/14/12.

   F. STATEMENTS
      1. Statement letter of conformance, dated December 05, 2007, signed and sealed by Humayoun Farooq, P.E.
      2. Statement letter of no financial interest, dated November 26, 2007, signed and sealed by Humayoun Farooq, P.E.
      3. Laboratory compliance letter for Test Report No. FTL-5245, issued by Fenestration Testing Laboratory, Inc., dated August 30, 2007, signed and sealed by Carlos S. Rionda, P.E. *(Submitted under NOA No. 08-0130.10)*

   G. OTHERS
      1. None.

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 18-0206.03
Expiration Date: September 06, 2023
Approval Date: September 06, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED
   A. DRAWINGS
      1. Drawing No W07-95, titled “Series PH 3200 Alum. Sliding Glass Door (L.M.I.)”,
         sheets 1 through 9 of 9, dated 11/08/07, with revision “D” dated 03/16/18, prepared by Al-
         Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

   B. TESTS
      1. None.

   C. CALCULATIONS
      1. Anchor verification calculations and structural analysis, complying with FBC-2004,
         prepared by Al-Farooq Corporation, dated 03/14/2018, signed and sealed by Javad
         Ahmad, P.E.
      2. Glazing complies with ASTM E1300-04/09

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

   E. MATERIAL CERTIFICATIONS
      1. Notice of Acceptance No. 17-0808.02 issued to Kuraray America, Inc. for their
         “Kuraray SentryGlas® Interlayer” expiring on 07/04/23.

   F. STATEMENTS
      1. Statement letter of conformance, complying with the FBC 6th Edition (2014), and of
         no financial interest, dated 12/22/17, signed and sealed by Javad Ahmad, P.E.
      2. Asset “Purchase Agreement” dated 11/19/2013, signed by Mr. Raul Casares, for and
         on behalf of R.C. Aluminum Industries, Inc. and Mr. José M. Daes, for and on behalf
         of Tecnoglass, LLC.
      3. “Bill of Sale” dated 06/19/14, signed by Mr. Raul Casares, for and on behalf of R.C.
         Aluminum Industries, Inc.
      4. Statement letter dated 07/15/14, issued by R.C. Aluminum Industries, Inc. of sales of
         asset and relinquishing of all rights of NOA No. 09-0604.19, signed by Raul Casares,
         for and on behalf of R.C. Aluminum Industries, Inc.
      5. Distributor Agreement between, E.S. Windows – Energia Solar S.A., Barranquilla,
         Colombia and Tecnoglass LLC, Miami, Florida, U.S.A., dated 02/07/17, signed by
         Carla Garcia and by Evelyn Daes, respectively.

   G. OTHERS
      1. Notice of Acceptance No. 09-0604.19, issued to R.C. Aluminum Industries, Inc. for
         their Series "PH3200" Aluminum Sliding Glass Door – L.M.I.”, approved on
         08/12/09 and expiring on 09/25/13.
      2. Verification Test will be required for next product approval renewal/revision.

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 18-0206.03
Expiration Date: September 06, 2023
Approval Date: September 06, 2018
DAYLIGHT OPENINGS:
D.L.O. HEIGHT = PANEL HEIGHT = 4.188"  
D.L.O. WIDTH (FIX. PANEL) = PANEL WIDTH = 5.875"  
D.L.O. WIDTH (OPER. PANEL) = PANEL WIDTH = 5.500"

SERIES PH3200 ALUM SLIDING GLASS DOOR (L.M.I.)
DESIGN LOAD RATING FOR DOORS TO BE AS PER CHART SHOWN ON SHEET 3.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (6TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
18 OR 26 WOT BOLTS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.
ANCHORS SHALL BE CORROSION RESISTANT, PLACED AS SHOWN ON DETAILS AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY. ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRRESSIBLE.
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER NONSIMAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017 FLORIDA BLDG. CODE & ADOPTED STANDARDS.
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.E., LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFLATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

TYPICAL ELEVATION
TESTED UNIT (OXXO)

CLUSTER OF ANCHORS AT MTG. STILE & INTERLOCK AT 3" O.C.
SEE SILL ANCHOR CHART ON SHEET 3 FOR CAPACITY
HEAD OR SILL ANCHOR MAY CONTROL

LAMINATED INSULATING GLASS
LARGE MISSILE IMPACT

MAR 2 & 9 2018

PRODUCT REVISED
as complying with the Florida Building Code Acceptance
Acceptance No. 0-006-001-001
Expiration Date 01-01-01
By: MONTI MISTO Product Control

STATE OF FLORIDA
FLORIDA BUILDING CODE

DRAWING NO.
W07-95
SHEET 1 OF 9
### SEALANTS:

All frame and panel joint, installation screws and heads of anchor screws at sill to be sealed with white/alum colored sealant.

### LOCKS:

Three ply metallic hook lock with surface mount metallic handle at 42" from bottom. Lock fastened with (2) #6 x 1/2" FH machine screws and handle fastened with (2) #8 x 2-1/4" OH machine screws. Surface mount metallic keepers at 42" from bottom fastened with (2) #10 x 3/4" FH SMS.

### GLAZING DETAIL:

1/4" air space consisting of:
- Spacer: 'Helma' low profile aluminum spacer by Lingermann GmbH around the perimeter of the glass.
- Perimeter Sealing: Silicone DowSil 955 Exterior & Interior

---

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NO.</th>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>MANF./SUPPLIER/REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>PH3400-001</td>
<td>1/4 PANEL</td>
<td>INTERLOCK STILE INSIDE</td>
<td>6005-75</td>
<td>-</td>
</tr>
<tr>
<td>E2</td>
<td>PH3400-002</td>
<td>1</td>
<td>LOCK STILE</td>
<td>6063-76</td>
<td>-</td>
</tr>
<tr>
<td>E3</td>
<td>PH3400-003</td>
<td>1</td>
<td>MEETING STILE</td>
<td>6005-75</td>
<td>-</td>
</tr>
<tr>
<td>E4</td>
<td>PH3400-004</td>
<td>1/4 FIX. PANEL</td>
<td>JAMB STILE</td>
<td>6063-76</td>
<td>-</td>
</tr>
<tr>
<td>E5</td>
<td>PH3400-005</td>
<td>2</td>
<td>FRAME JAMB</td>
<td>6063-76</td>
<td>-</td>
</tr>
<tr>
<td>E6</td>
<td>PH3400-006</td>
<td>1</td>
<td>FRAME HEAD</td>
<td>6005-75</td>
<td>-</td>
</tr>
<tr>
<td>E7</td>
<td>PH3400-007</td>
<td>1</td>
<td>SILL TRACK</td>
<td>6005-75</td>
<td>-</td>
</tr>
<tr>
<td>E8</td>
<td>PH3400-008</td>
<td>1</td>
<td>SILL THRESHOLD</td>
<td>6063-76</td>
<td>-</td>
</tr>
<tr>
<td>E9</td>
<td>PH3400-009</td>
<td>1</td>
<td>HEAD CLOSURE ADAPTOR</td>
<td>6063-76</td>
<td>-</td>
</tr>
<tr>
<td>E10</td>
<td>PH3400-010</td>
<td>1/4 MOV. PANEL</td>
<td>MOVING OUTSIDE TOP RAIL</td>
<td>6063-76</td>
<td>-</td>
</tr>
<tr>
<td>E11</td>
<td>PH3400-024</td>
<td>1/4 MOV. PANEL</td>
<td>MOVING OUTSIDE BOTTOM RAIL</td>
<td>6005-75</td>
<td>-</td>
</tr>
<tr>
<td>E12</td>
<td>PH3400-012</td>
<td>1/4 FIX. PANEL</td>
<td>FIXED INSIDE TOP RAIL</td>
<td>6063-76</td>
<td>-</td>
</tr>
<tr>
<td>E13</td>
<td>PH3400-013</td>
<td>1/4 FIX. PANEL</td>
<td>FIXED INSIDE BOTTOM RAIL</td>
<td>6063-76</td>
<td>-</td>
</tr>
<tr>
<td>E14</td>
<td>2400ST-031</td>
<td>AS REDD.</td>
<td>SILL TRACK PLATE, 5&quot; LONG AT ENDS, 10&quot; LONG AT STILE LOCATIONS</td>
<td>6061-16</td>
<td>-</td>
</tr>
<tr>
<td>E15</td>
<td>2400ST-040</td>
<td>AS REDD.</td>
<td>SCREEN TRACK INSIDE</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>E16</td>
<td>2400ST-006</td>
<td>AS REDD.</td>
<td>SCREEN TOP &amp; BOTTOM RAIL</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>E17</td>
<td>2400ST-007</td>
<td>AS REDD.</td>
<td>SCREEN VERTICAL JAMB</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>S1</td>
<td>2/ CORNER</td>
<td>1 1/4 X 1&quot; PH SMS TYPE &quot;B&quot; ST/ST</td>
<td>FRAME ASSY SCREWS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S2</td>
<td>2/ CORNER</td>
<td>10 X 1/4&quot; PH SMS ST/ST</td>
<td>PANEL ASSY SCREWS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S3</td>
<td>AS REDD.</td>
<td>10 X 3/4&quot; PH SMS ST/ST</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S5</td>
<td>4/ CLIP</td>
<td>1/4-20 X 3/4&quot; LG. SOCKET HEAD CAP SCREW</td>
<td>ST/ST</td>
<td></td>
<td></td>
</tr>
<tr>
<td>V1</td>
<td>V-019</td>
<td>1/4 MOV. PANEL</td>
<td>DIP SILL VINYL</td>
<td>SOFT PVC DURAFLEX 656 SHORE A</td>
<td></td>
</tr>
<tr>
<td>V2</td>
<td>V-026</td>
<td>AS REDD.</td>
<td>BULB VINYL</td>
<td>SOFT PVC DURAFLEX 656 SHORE A</td>
<td></td>
</tr>
<tr>
<td>V3</td>
<td>V-047</td>
<td>AS REDD.</td>
<td>BULB VINYL</td>
<td>DURAFLEX 656 SHORE A</td>
<td></td>
</tr>
<tr>
<td>V5</td>
<td>V-073</td>
<td>AS REDD.</td>
<td>MARINE GLAZING FOR LAM./LANG. GLASS LMI</td>
<td>EPDM DURAFLEX 756 SHORE A</td>
<td></td>
</tr>
<tr>
<td>M1</td>
<td>US2</td>
<td>AS REDD.</td>
<td>2505270 O HEAD ADAPTOR &amp; SILL THRESHOLD</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>M2</td>
<td>R31250WK</td>
<td>AS REDD.</td>
<td>FILE WITH PLASTIC FIN W/STRIPPING</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>M3</td>
<td>P-066</td>
<td>AS REDD.</td>
<td>SILICONE BUMPER</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>M4</td>
<td>DOWSJL 995</td>
<td>AS REDD.</td>
<td>BLACK SILICONE (LM)</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>M5</td>
<td>CCES-1003</td>
<td>AS REDD.</td>
<td>ROLLER TRACK COVER</td>
<td>ST/ST</td>
<td></td>
</tr>
<tr>
<td>M6</td>
<td>RC 00151W/N</td>
<td>AS REDD.</td>
<td>SILL ANCHOR TRACK</td>
<td>6005-75</td>
<td>6&quot; LONG</td>
</tr>
<tr>
<td>H1</td>
<td>P501-0001-XXX</td>
<td>AS REDD.</td>
<td>2 POINT LOCK KIT</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>H2</td>
<td>PG2-6000</td>
<td>AS REDD.</td>
<td>ALUMINUM HOUSING W/ ST/ST TANDEM WHEELS</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>
## Design Load Capacity - PSF (Head Anchors)

<table>
<thead>
<tr>
<th>Panel Height</th>
<th>B/C Anchors</th>
<th>B/C Anchors</th>
<th>B/C Anchors</th>
<th>B/C Anchors</th>
<th>B/C Anchors</th>
<th>B/C Anchors</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
</tr>
<tr>
<td>42</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
</tr>
<tr>
<td>48</td>
<td>110.1</td>
<td>120.0</td>
<td>120.0</td>
<td>117.3</td>
<td>120.0</td>
<td>120.0</td>
</tr>
<tr>
<td>54</td>
<td>97.9</td>
<td>106.7</td>
<td>106.7</td>
<td>93.8</td>
<td>106.7</td>
<td>106.7</td>
</tr>
</tbody>
</table>

## Design Load Capacity - PSF (Sill Anchors Type A)

<table>
<thead>
<tr>
<th>Panel Height</th>
<th>B/C Anchors</th>
<th>B/C Anchors</th>
<th>B/C Anchors</th>
<th>B/C Anchors</th>
<th>B/C Anchors</th>
<th>B/C Anchors</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
</tr>
<tr>
<td>42</td>
<td>119.8</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
</tr>
<tr>
<td>48</td>
<td>104.9</td>
<td>120.0</td>
<td>120.0</td>
<td>111.7</td>
<td>120.0</td>
<td>120.0</td>
</tr>
<tr>
<td>54</td>
<td>93.2</td>
<td>106.7</td>
<td>106.7</td>
<td>99.3</td>
<td>106.7</td>
<td>106.7</td>
</tr>
</tbody>
</table>

### Notes:
- Glass capacities on this sheet are based on ASTM E1300-09 (3 sec. gusts) and Florida Building Commission Declaration Statement DOA-02-DEC-219.
- Using chart on this sheet to select anchor option with design rating more than design loads required. Lower design pressures from head or sill anchor charts will apply to entire system.
WEEPS:

W1 = 3/4" WEEP NOTCH AT EACH END OF EACH TRACK
W2 = 1-3/4" NOTCH AT MIDSPAN OF FIX. PANEL TRACK
W3 = 2-1/2" NOTCH AT MIDSPAN OF MOV. PANEL TRACK
TYPICAL ANCHORS: SEE ELEV. FOR SPACING

--- AT HEAD ---

**TYPE 'A'** — 1/4" X 2-3/4" HILTI Kwik-Conn II (Fu=163 KSI, Fy=157 KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD
THRU 1BY BUCKS INTO CONCRETE
1-1/4" MIN. EMBED INTO CONCRETE

--- AT SILL ---

**TYPE 'A'** — 1/4" DIA. TAPS OR SELF DRILLING SCREWS (Fu=92 KSI, Fy=120 KSI) INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR INTO METAL STRUCTURES
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-15 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(Steel in contact with aluminum to be plated or painted)

--- AT JAMBS ---

**TYPE 'A'** — 1/4" X 2-3/4" HILTI Kwik-Conn II (Fu=163 KSI, Fy=157 KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD
THRU 1BY BUCKS INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE OR BLOCKS

**TYPE 'B'** — 1/4" X 2-3/4" HILTI Kwik-Conn II (Fu=163 KSI, Fy=157 KSI) DIRECTLY INTO CONCRETE OR BLOCKS
1-3/4" MIN. EMBED INTO CONCRETE OR BLOCKS

**TYPE 'C'** — 1/4" DIA. TAPS OR SELF DRILLING SCREWS (Fu=92 KSI, Fy=120 KSI) INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR INTO METAL STRUCTURES
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-15 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(Steel in contact with aluminum to be plated or painted)

CRITICAL EDGE DISTANCE
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.
WOOD AT HEAD OR JAMBS Fc = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS fck = 3000 PSI MIN.
C-80 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.