



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

American Metal Fabricators, Inc.
dba AMF Building
1501 53rd Street
Mangonia Park, FL 33407

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: 0.050" Aluminum Storm Panels Shutter

APPROVAL DOCUMENT: Drawing No. AMF001, titled "0.050" Aluminum Storm Panel", sheets 1 through 4 of 4, prepared by Building Drops, Inc., dated June 27, 2015, last revised on December 20, 2020, signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state, the following statement: "Miami-Dade County Product Control Approved", and NOA number, per TAS-201, TAS-202, and TAS-203, 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 **renews NOA #20-1223.08** and consists of this page 1, evidence submitted pages E-1, E-2, E-3, E-4 & E-5 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
08/25/2022

NOA No. 22-0713.06
Expiration Date: 08/16/2027
Approval Date: 08/25/2022
Page 1

American Metal Fabricators, Inc.
dba AMF Building

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 01-0410.10

A. DRAWINGS

1. *Drawing No. 00-408, titled "0.050" Aluminum Storm Panel", prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, P.E., dated March 30, 2001, last revision #2 dated August 13, 2001, sheets 1 through 4 of 4.*

B. TESTS

1. *Test report on: 1) Uniform Static Air Pressure test Loading, per PA 202-94; 2) Large Missile Impact Test, per PA 201-94, and 3) Cyclic Loading Wind Pressure Test, per PA 203-94 of aluminum storm panels, prepared by Construction Testing Corporation, Report No. 01-005, dated 02/24/2001, signed and sealed by Christopher G. Tyson, P.E.*

C. CALCULATIONS

1. *Comparative analysis and anchor calculation, titled 0.050" Aluminum Alloy Storm Panels, dated March 30, 2001, pages 1 through 31 and anchor manufacturers appendix, prepared by Knezevich and Associates Inc., signed and sealed by V.J. Knezevich, P.E.*
2. *Comparative analysis, dated July 16, 2001, 3 pages, prepared by Knezevich and Associates Inc., signed and sealed by V.J. Knezevich, P.E.*

D. MATERIAL CERTIFICATIONS

1. *Mill Certified Inspection Invoice #167143 B, dated 08/18/00 for Aluminum Alloy 5052-H32 by Commonwealth Aluminum.*
2. *Certified Tensile Test Report No. CTL #0296G, issued by Certified Testing Laboratories dated 03/13/01 for Aluminum sample CTC-01-005, signed and sealed by Ramesh Patel, P.E.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #06-0823.06

A. DRAWINGS

1. *Drawing No. 06-537, titled " 0.050" Aluminum Storm Panel", sheets 1 through 4 of 4, prepared by Thornton Tomasetti, dated December 06, 2006, last revision #0 dated December 06, 2006, signed and sealed by V. J. Knezevich, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Revised Anchor Calculations and details for 0.050" Aluminum Storm Panels, dated December 05, 2006, pages 1 through 15 of 15, prepared by Thornton Tomasetti, signed and sealed by V. J. Knezevich, P.E.*



Helmy A. Makar, P.E., M.S.

Product Control Section Supervisor

NOA No. 22-0713.06

Expiration Date: 08/16/2027

Approval Date: 08/25/2022

American Metal Fabricators, Inc.
dba AMF Building

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 11-0810.01

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building and Neighborhood Compliance Department (BNC).*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Compliance letter by Knezevich Associates Consultant Engineers, dated July 27, 2011, certify compliance with the FBC, 2007 Edition with the 2010 supplement requirements, signed and sealed by V. John Knezevich, P.E.*
2. *A letter by Blackwater Testing, Inc., dated August 08, 2011, notes a contract for verification test of the 0.050" Aluminum Storm Panel, signed by Dennis W. Duffy.*


4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #12-0403.01

A. DRAWINGS

1. *Drawing No. 12-104, titled " 0.050" Aluminum Storm Panel", sheets 1 through 4 of 4, prepared by Knezevich Associates Consulting Engineers, dated January 24, 2012, signed and sealed by V. J. Knezevich, P.E.*

B. TESTS

1. *Test report on: 1) Uniform Static Air Pressure test Loading, per PA 202-94; 2) Large Missile Impact Test, per PA 201-94, and 3) Cyclic Loading Wind Pressure Test, per PA 203-94 of aluminum storm panels, prepared by Blackwater Testing, Inc., Report No. AE-11-001, dated 01/16/2012, signed and sealed by Yamil Kuti, P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 22-0713.06
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dba AMF Building

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Compliance letter by Knezevich Associates Consultant Engineers, dated January 24, 2012, certify compliance with the FBC, 2010 Edition, signed and sealed by V. John Knezevich, P.E.*
2. *Bill of Sales.*

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #15-1207.03

A. DRAWINGS

1. *Drawing No. AMF001, titled "0.050" Aluminum Storm Panel", sheets 1 through 4 of 4, prepared by Building Drops, Inc., dated June 27, 2015, signed and sealed by Hermes F. Norero, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Revised Anchor Calculations and details for 0.050" Aluminum Storm Panels, dated June 02, 2016, pages 1 through 21 of 21, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.*

D. QUALITY ASSURANCE


1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Compliance letter prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E., certify compliance with the FBC, 2014 Edition.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 22-0713.06
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Approval Date: 08/25/2022

American Metal Fabricators, Inc.
dba AMF Building

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #17-0118.07

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

E. MATERIAL CERTIFICATIONS

1. *None.*

7. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #18-0516.06

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Compliance letter, dated 08/21/17, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E., certify compliance with the FBC, 2017 Edition.*

8. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #20-1223.08

A. DRAWINGS

1. *Drawing No. AMF001, titled "0.050" Aluminum Storm Panel", sheets 1 through 4 of 4, prepared by Building Drops, Inc., dated June 27, 2015, last revised on December 20, 2020, signed and sealed by Hermes F. Norero, P.E.*

B. TESTS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 22-0713.06
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American Metal Fabricators, Inc.
dba AMF Building

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Compliance Letter, dated 11/02/120 prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E., certify compliance with the FBC, 2020 Edition.*

9. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE


1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Compliance Letter, dated 11/02/120 prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E., certify compliance with the FBC, 2020 Edition.*



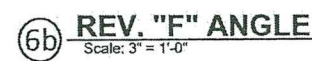
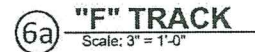
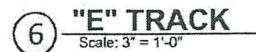
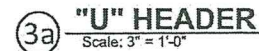
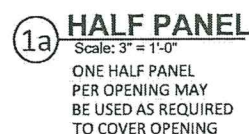
Helmy A. Makar, P.E., M.S.

Product Control Section Supervisor

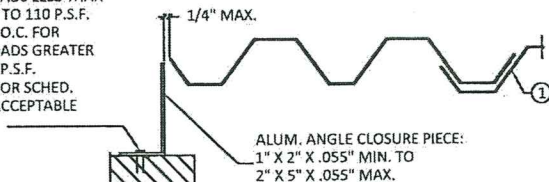
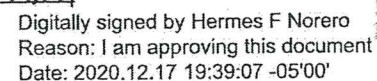
NOA No. 22-0713.06

Expiration Date: 08/16/2027

Approval Date: 08/25/2022



9 TYP. ELEVATION



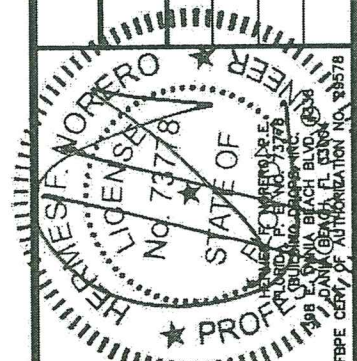
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 22-0713.06
Expiration Date 08/16/2027

By Heidi A. Nish
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 20-1223.08
Expiration Date 08/16/2022
By H. G. A. Mc
Miami Code Product Control



| REVISIONS | | |
|----------------------------|----|-------|
| DESCRIPTION | BY | DATE |
| TABLE 2 DIMENSIONS UPDATED | SM | 11/16 |
| FBC 2020 UPDATE | LL | 12/20 |
| | | |
| | | |



| | | | |
|-----------------------------|---------------|----------------|---------------|
| DATE: 06.27.15 | DWN BY: LS | CHK BY: HFN | SCALE: NTS |
| DWG #: AMF001 | | | |
| SHEET: 1 OF 4 | | | |



AMERICAN METAL
FABRICATORS, INC.

1501 53rd Street
Mangonia Park, FL 33407
PH: (561) 790-5799
FAX: (561) 790-2320

TITLE:
0.050" ALUMINUM STORM PANEL

VERTICAL SECTIONS

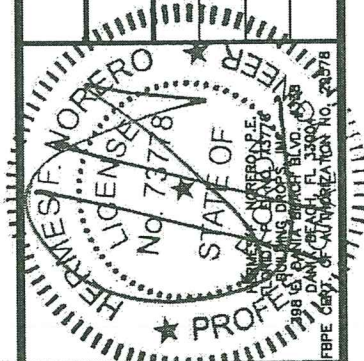
PREPARED BY:

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004

PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

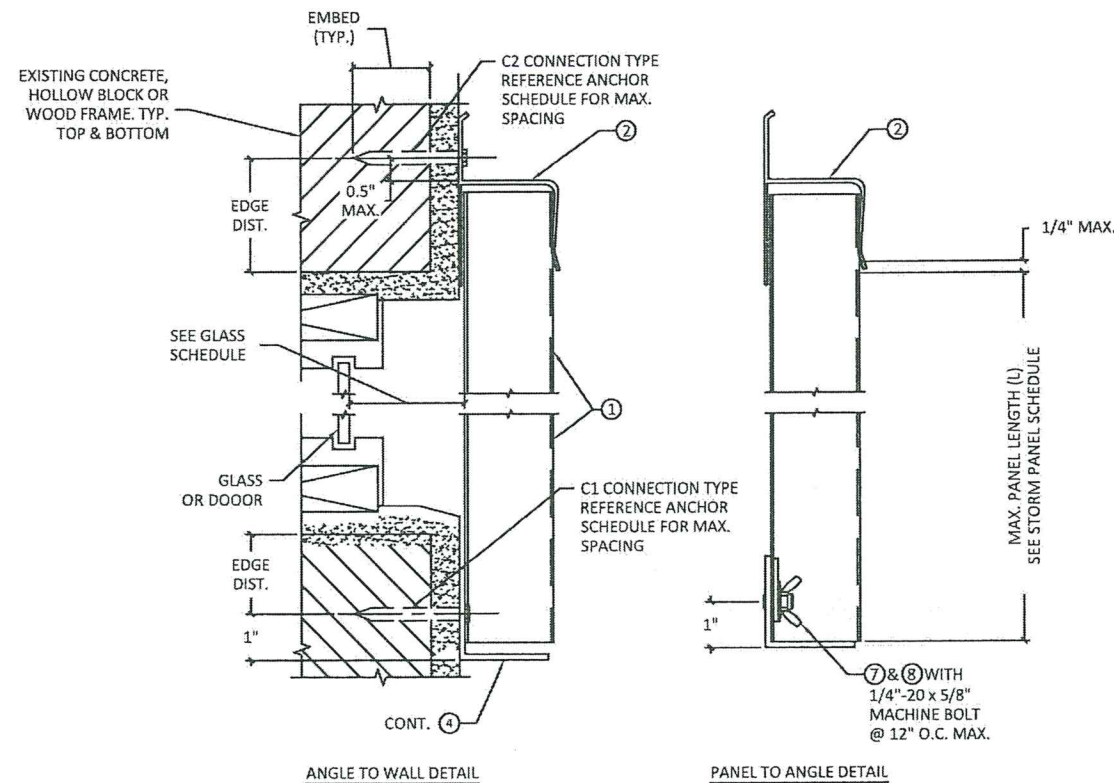
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| TABLE 2 DIMENSIONS UPDATED | SM | 11/16 |
| FBC 2020 UPDATE | LL | 12/20 |



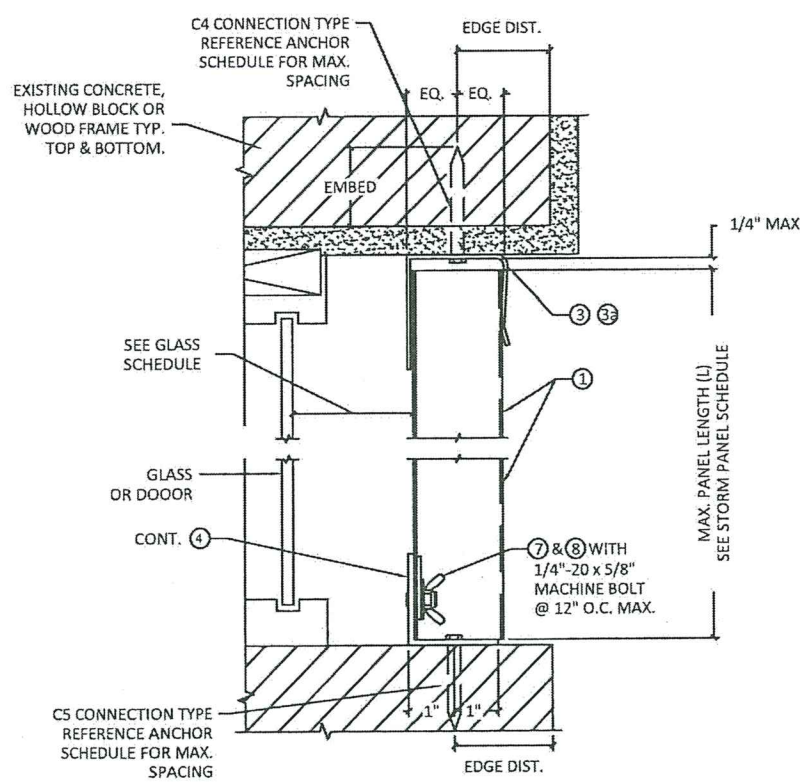
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 22-0713.06
Expiration Date 08/16/2027
By *H. A. Melor*
Miami Data Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 20-1223.08
Expiration Date 08/16/2027
By *H. A. Melor*
Miami Data Product Control

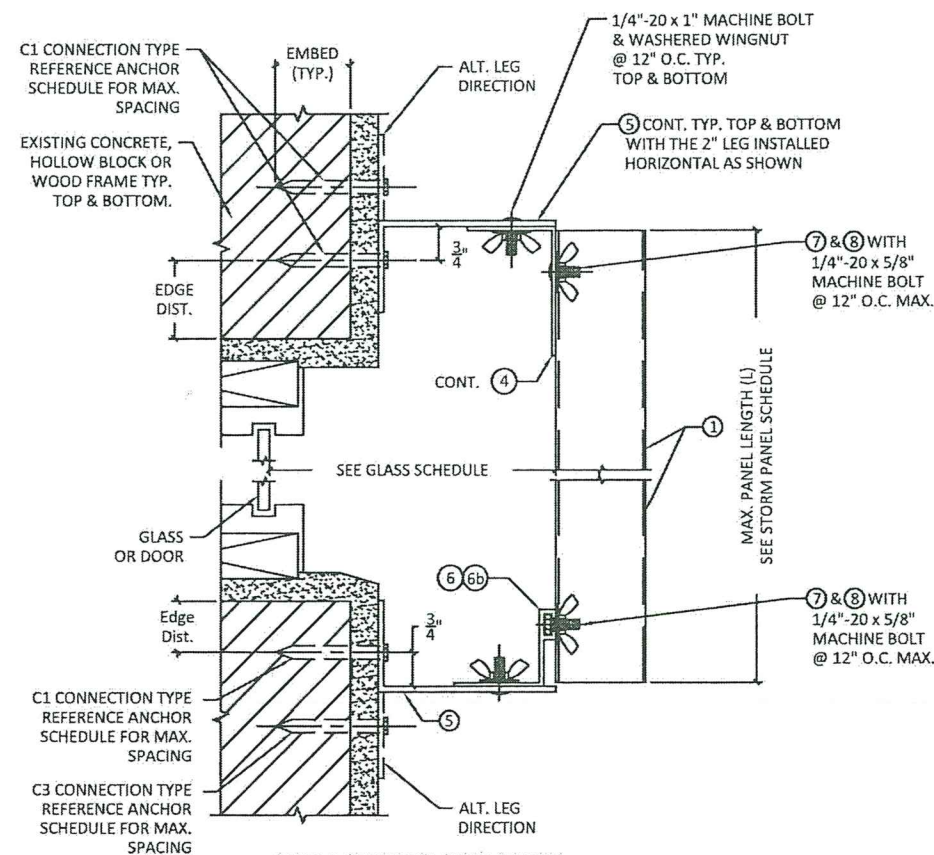
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| DATE: 06.27.15 | DWN BY: LS | CHK BY: HFN | SCALE: NTS |
| DWG #: AMF001 | | | |
| SHEET: 2 OF 4 | | | |



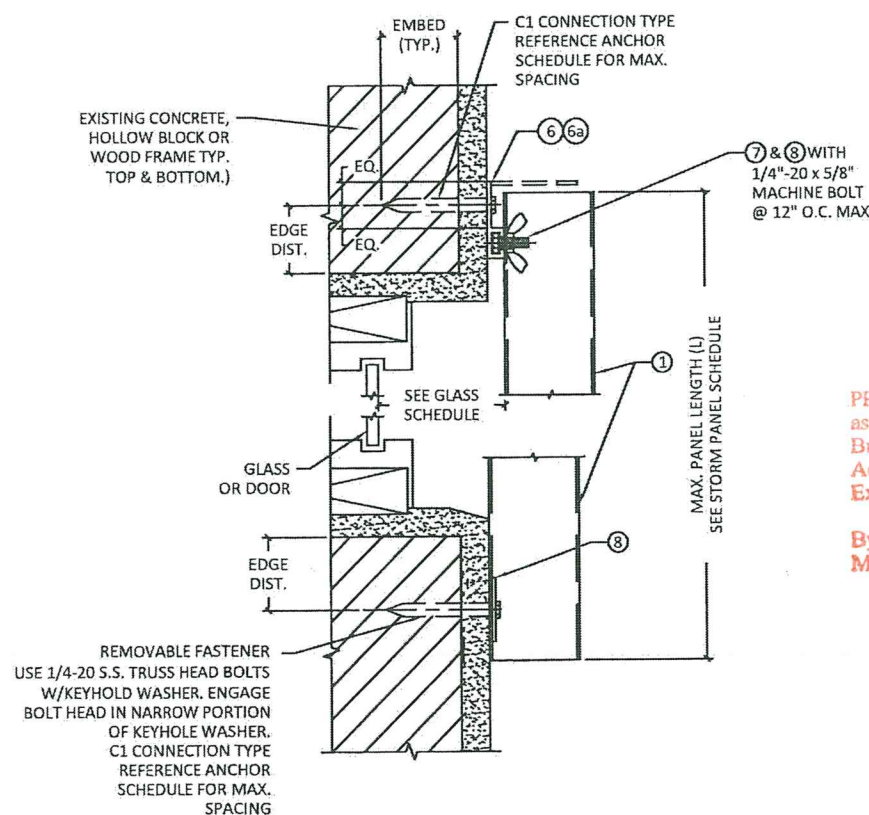
A WALL MOUNT SECTION
Scale: 3" = 1'-0"



B CEILING/INSIDE MOUNT SECTION
Scale: 3" = 1'-0"



* SIDE CLOSURE REQ'D (SEE PLAN VIEW)
C BUILD-OUT MOUNT SECTION
Scale: 3" = 1'-0"



D WALL MOUNT SECTION (DIRECT MOUNT)
Scale: 3" = 1'-0"

| TABLE 2 | MINIMUM STORM PANEL SEPARATION FROM GLASS* | | | |
|---------|--|-------------------------|---|--|
| | POSITIVE DESIGN LOAD (W) (PSF) | ACTUAL SPAN (L) (FT-IN) | MIN. SEPARATION FROM GLASS FOR INSTALLATIONS LESS THAN 30' ABOVE GRADE (INCHES) | MIN. SEPARATION FROM GLASS FOR INSTALLATIONS GREATER THAN 30' ABOVE GRADE (INCHES) |
| 30.0 | | 3-6 | 3-1/2 | 1-5/16 |
| | | 8-8 | 3-1/2 | 1-7/8 |
| | | 10-8 | 4-1/4 | 2-3/4 |
| 40.0 | | 3-6 | 3-1/2 | 1-5/16 |
| | | 8-8 | 3-1/2 | 2-1/8 |
| | | 10-8 | 4-1/4 | 3-1/8 |
| 50.0 | | 3-6 | 3-1/2 | 1-5/16 |
| | | 8-8 | 3-1/2 | 2-3/8 |
| | | 9-11 | 4-1/4 | 3-1/8 |
| 60.0 | | 3-6 | 3-1/2 | 1-5/16 |
| | | 8-8 | 3-1/2 | 2-9/16 |
| | | 9-6 | 4-1/4 | 3-1/8 |
| 70.0 | | 3-6 | 3-1/2 | 1-5/16 |
| | | 8-8 | 3-1/2 | 2-3/4 |
| | | 9-0 | 4-1/4 | 3 |
| 80.0 | | 3-6 | 3-1/2 | 1-5/16 |
| | | 6-6 | 3-1/2 | 1-13/16 |
| | | 8-2 | 3-1/2 | 2-5/8 |
| 90.0 | | 3-6 | 3-1/2 | 1-5/16 |
| | | 5-6 | 3-1/2 | 1-9/16 |
| | | 7-3 | 3-1/2 | 2-3/16 |
| 100.0 | | 3-6 | 3-1/2 | 1-5/16 |
| | | 6-7 | 3-1/2 | 2 |
| 110.0 | | 3-6 | 3-1/2 | 1-5/16 |
| | | 5-11 | 3-1/2 | 1-3/4 |

*SEE TABLES 1 & 2 NOTES NUMBER 3


| TABLE 1 | MAXIMUM ALLOWABLE STORM PANEL SPAN SCHEDULE | |
|---------|---|----------------|
| | NEG. DESIGN LOAD (PSF) | L max, (FT-IN) |
| | 30.0 | 10-8 |
| | 35.0 | 10-8 |
| | 40.0 | 10-4 |
| | 45.0 | 10-0 |
| | 48.0 | 9-10 |
| | 50.0 | 9-9 |
| | 55.0 | 9-6 |
| | 60.0 | 9-4 |
| | 62.0 | 9-3 |
| | 65.0 | 9-1 |
| | 67.0 | 9-1 |
| | 70.0 | 8-11 |
| | 72.0 | 8-10 |
| | 75.0 | 8-8 |
| | 80.0 | 8-2 |
| | 90.0 | 7-3 |
| | 100.0 | 6-7 |
| | 110.0 | 5-11 |
| | 115.0 | 5-8 |
| | 120.0 | 5-5 |
| | 130.0 | 5-0 |
| | 140.0 | 4-8 |
| | 150.0 | 4-4 |
| | 160.0 | 4-1 |
| | 170.0 | 3-10 |
| | 180.0 | 3-7 |
| | 190.0 | 3-5 |
| | 200.0 | 3-3 |

TABLE 1 & 2 NOTES:

1. ENTER TABLE 1 WITH NEGATIVE DESIGN LOAD TO DETERMINE MAX. PANEL SPAN (Lmax.) POSITIVE LOADS LESS THAN OR EQUAL TO THE NEGATIVE LOAD ARE ACCEPTABLE.
2. FOR DESIGN LOADS BETWEEN TABULATED VALUES, USE NEXT HIGHER LOAD OR LINEAR INTERPOLATION MAY BE USED TO DETERMINE ALLOWABLE SPANS.
3. ENTER TABLE 2 WITH POSITIVE DESIGN LOAD TO DETERMINE MIN. SEPARATION FROM GLASS.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 22-0713.06
Expiration Date 08/16/2027
By Kelly A. Miller
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 20-1223.08
Expiration Date 08/16/2022
By Kelly A. Miller
Miami Dade Product Control

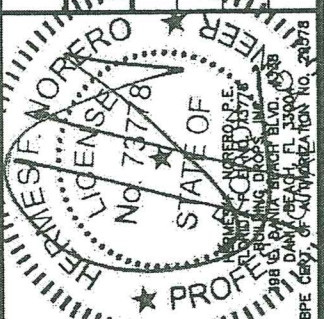


AMERICAN METAL FABRICATORS, INC.
1501 53rd Street
Mangonia Park, FL 33407
PH: (561)790-5799
FAX: (561)790-2320

TITLE:
0.050" ALUMINUM STORM PANEL
STORM PANEL SPAN SCHEDULE

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

| REVISIONS | DESCRIPTION | BY | DATE |
|-----------|----------------------------|----|-------|
| | | | |
| | TABLE 2 DIMENSIONS UPDATED | SM | 11/16 |
| | FBC 2020 UPDATE | LL | 12/20 |



HERMIESE F. NORRERO
LICENSED PROFESSIONAL ENGINEER
No. 73778
STATE OF FLORIDA
KELLY A. MILLER
LICENSED PROFESSIONAL ENGINEER
No. 73778
STATE OF FLORIDA
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

DATE: 06.27.15
DWN BY: LS
CHK BY: HFN
SCALE: NTS

DWG #: AMF001

SHEET: 4 OF 4