



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

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

BP Glass Garage Doors & Entry Systems, Inc.
1511 W. 2nd St.
Pomona, CA 91766

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: Models BP-350/BP-450 HD Glazed Aluminum Sectional Garage Door up to 18'-0" Wide x 8'-0" High

APPROVAL DOCUMENT: Drawing No. **BPC003**, titled "BP-350/450 HD Glass Garage Door", sheets 1 through 7 of 7, dated 06/01/2009, with last revision dated 11/2020, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, 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: A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

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** and **revises** **NOA # 17-1207.02** 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 **Carlos M. Utrera, P.E.**



NOA No. 20-1123.03
Expiration Date: January 17, 2026
Approval Date: February 11, 2021
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 1. Evidence submitted under previous NOA's**
- A. DRAWINGS “Submitted under NOA # 16-0314.09”**
 1. Drawing No. **BPC003**, titled “BP-350/450 HD Glass Garage Door”, sheets 1 through 7 of 7, dated 06/01/2009, with revision C dated 01/05/2016, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
- B. TESTS “Submitted under NOA # 10-0802.02”**
 1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with installation diagram on three Series/Model BP-350/ BP-450 HD Hurricane Line, glazed sectional garage doors, prepared by Architectural Testing, Inc, Test Report No. **97392.03-301-18**, dated 06/04/2010, with Revision 2 dated 11/03/2010, signed and sealed by Joseph A. Reed, P.E.
- C. CALCULATIONS “Submitted under NOA # 16-0314.09”**
 1. Anchor calculations prepared by Building Drops, Inc., dated 01/05/2016, signed and sealed by Hermes F. Norero, P.E.

“Submitted under NOA # 14-0211.09”
 2. Product evaluation report prepared by Building Drops, Inc., dated 01/07/2014, signed and sealed by Hermes F. Norero, P.E.

“Submitted under NOA # 12-0124.03”
 3. Product evaluation report, complying with FBC-2007 and 2010, prepared by Building Drops, dated 01/13/2012, signed and sealed by Alexis Spyrou, P.E.
- D. QUALITY ASSURANCE**
 1. Miami-Dade Department of Regulatory and Economic Resources (RER)
- E. MATERIAL CERTIFICATIONS**
 1. None.
- F. STATEMENTS “Submitted under NOA # 16-0314.09”**
 1. Statement letter of code conformance to the 5th edition (2014) FBC and of no financial interest, issued by Building Drops, Inc., dated 01/05/2016, signed and sealed by Hermes F. Norero, P.E.

“Submitted under NOA # 14-0211.09”
 2. Statement letter of code conformance to 2010 FBC and no financial interest, issued by Building Drops, Inc., dated 09/23/2013, signed and sealed by Hermes F. Norero, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-1123.03
Expiration Date: January 17, 2026
Approval Date: February 11, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA # 17-1207.02

A. DRAWINGS

1. Drawing No. **BPC003**, titled “BP-350/450 HD Glass Garage Door”, sheets 1 through 7 of 7, dated 06/01/2009, with revision D dated 10/12/2017, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 6th edition (2017) FBC and of no financial interest, issued by Building Drops, Inc., dated 10/12/2017, signed and sealed by Hermes F. Norero, P.E.



**Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-1123.03**

**Expiration Date: January 17, 2026
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. New evidence submitted

A. DRAWINGS

1. Drawing No. **BPC003**, titled “BP-350/450 HD Glass Garage Door”, sheets 1 through 7 of 7, dated 06/01/2009, with last revision dated 11/2020, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 7th edition (2020) FBC and of no financial interest, issued by Building Drops, Inc., dated 11/18/2020, signed and sealed by Hermes F. Norero, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
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BP-GLASS GARAGE DOORS & ENTRY SYSTEMS, INC.


BP-350/450 HD GLASS GARAGE DOOR (U.S. PAT.) - HURRICANE SYSTEM

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR INSTALLATION INTO WOOD FRAMING USE 3/8 INCH LAG SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR INSTALLATION DIRECTLY INTO CONCRETE/MASONRY, SEE TABLES A-C (SHEET 5) FOR MINIMUM DIAMETER AND MINIMUM EMBEDMENT INFO.
- FOR INSTALLATION THROUGH STEEL STUD, USE 3/8 INCH DIAMETER STEEL BOLTS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF THREE (3) THREADS OF PENETRATION BEYOND STEEL STRUCTURE.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED 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 SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - GROUT-FILLED CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 & GROUT CONFORMS TO ASTM C 476. GROUT SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI. SEE FBC SECTION 2104.1 FOR GROUTED MASONRY REQUIREMENTS.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 118 MILS (11 GAUGE)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 7TH EDITION (2020) FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 4X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 4X 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 ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- DOOR FRAME MATERIAL: ALUMINUM 6005-T5
- DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED IN ACCORDANCE WITH THE 7TH EDITION (2020) FBC.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 3 FOR GLAZING DETAIL.
- EPDM GLAZING GASKET HAS BEEN TESTED IN ACCORDANCE WITH FBC 2411.3.4.
- BP HURRICANE SYSTEM IS PATENTED IN THE USA.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1123.03
Expiration Date 01/17/2026
By 
Miami-Dade Product Control

| TABLE OF CONTENTS | |
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| 3 | VERTICAL, HORIZONTAL SECTIONS & GLAZING DETAILS |
| 4 | HORIZONTAL SECTIONS |
| 5 | ANCHOR TABLES & BRACKET DETAIL |
| 6 | BILL OF MATERIALS & COMPONENTS |
| 7 | COMPONENTS |

| DESIGN PRESSURE RATING | |
|-----------------------------|--------------------------------------|
| DESIGN PRESSURE - ALL SIZES | MISSILE IMPACT RATING |
| +65.0 / -65.0 PSF* | SMALL AND LARGE MISSILE IMPACT RATED |

*REMOVABLE REINFORCEMENT REQUIRED



BP-GLASS GARAGE DOORS & ENTRY SYSTEMS, INC.

1511 W. 2ND ST.
POMONA, CA 91766
PH: (626) 442-1716 FX: (626) 579-5320
www.GlassGarageDoors.com

TITLE: BP-350/450 HD GLASS GARAGE DOOR (U.S. PAT.) - HURRICANE SYSTEM
INSTALLATION & GENERAL NOTES

PREPARED BY: BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



| REMARKS | BY | DATE |
|--------------------|-----|-------|
| ANCHOR OPTS. ADDED | TJM | 10/13 |
| 5TH ED. FBC UPDATE | SIM | 01/16 |
| 6TH ED. FBC UPDATE | EG | 10/17 |
| 7TH ED. FBC UPDATE | LL | 11/20 |

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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

DATE: 06.01.09

DWG. BY: JLR

CHK. BY: HFN

SCALE: NTS

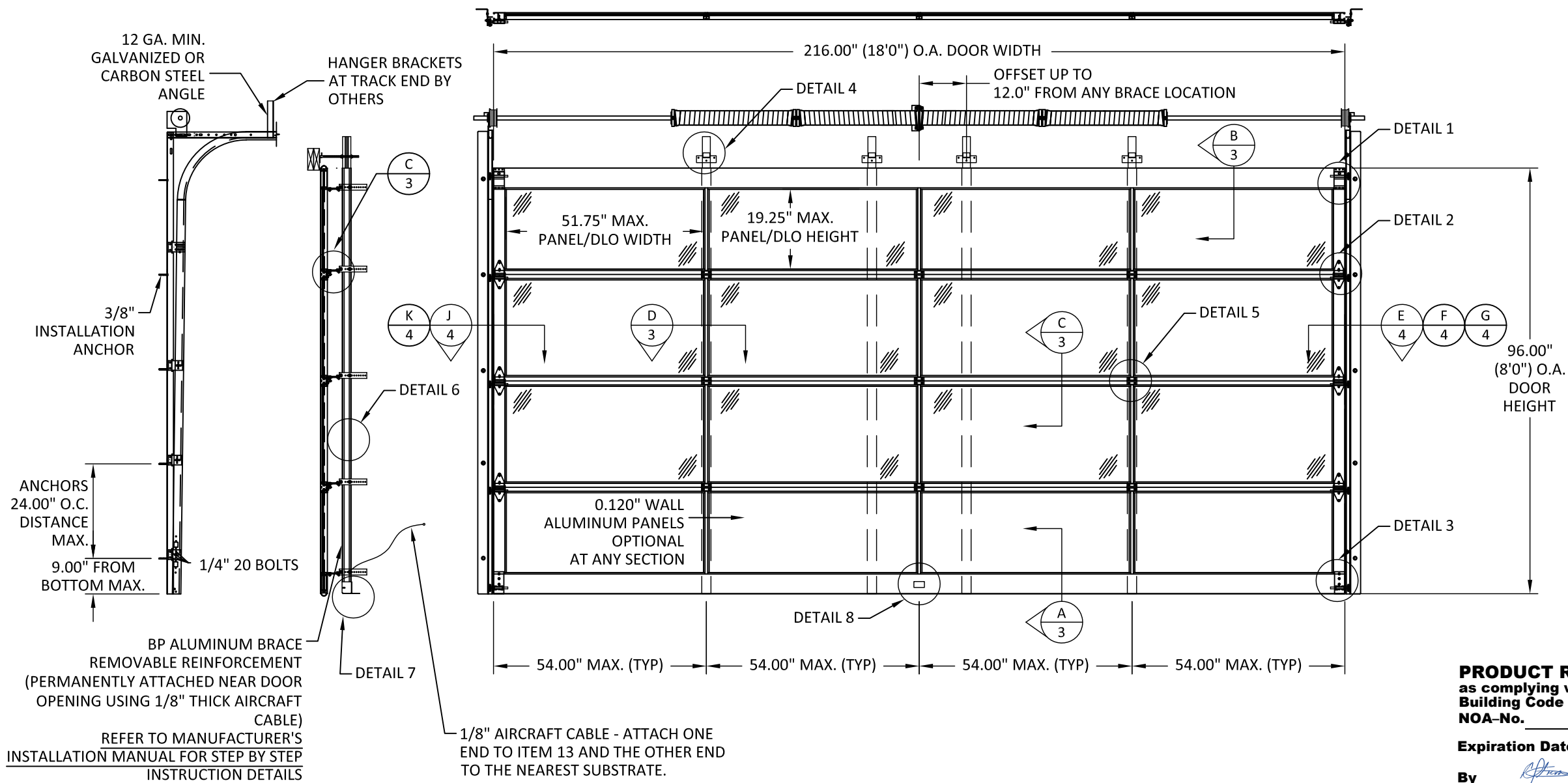
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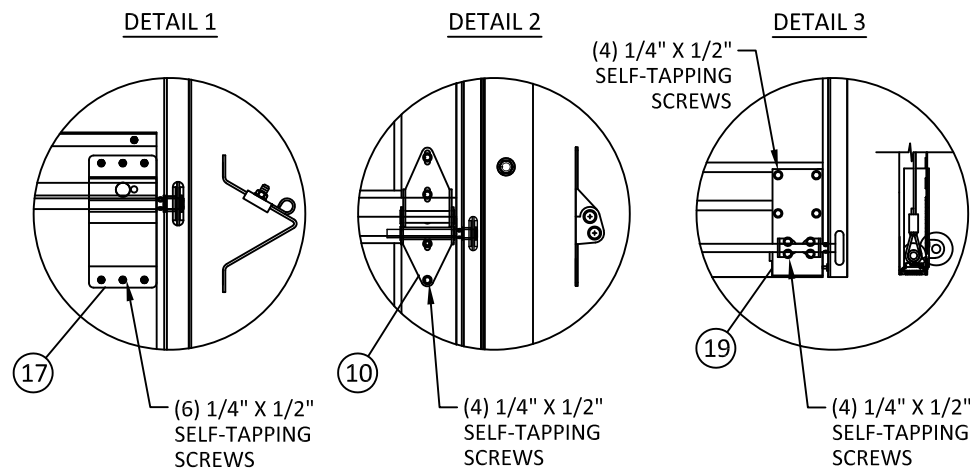
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OF 7

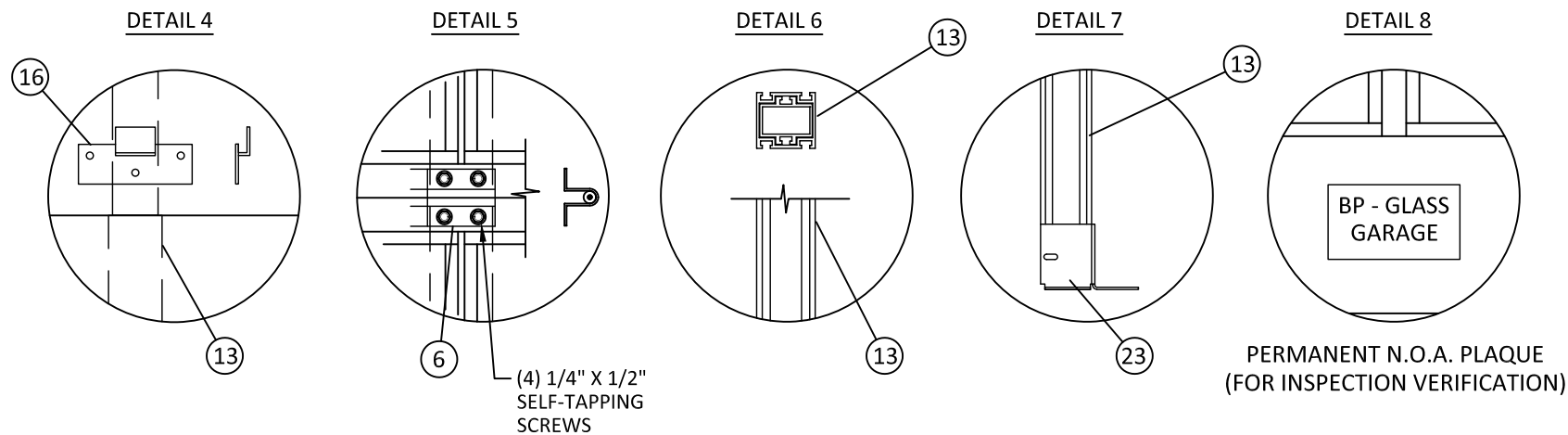
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ANCHOR LAYOUT



INTERIOR ELEVATION



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1123.03
Expiration Date 01/17/2026
By *[Signature]*
Miami-Dade Product Control



**BP-GLASS GARAGE DOORS
& ENTRY SYSTEMS, INC.**

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www.GlassGarageDoors.com

TITLE: BP-350/450 HD GLASS GARAGE DOOR
(U.S. PAT.) - HURRICANE SYSTEM
ELEVATION, ANCHOR
LAYOUT, & DETAILS

PREPARED BY:
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398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



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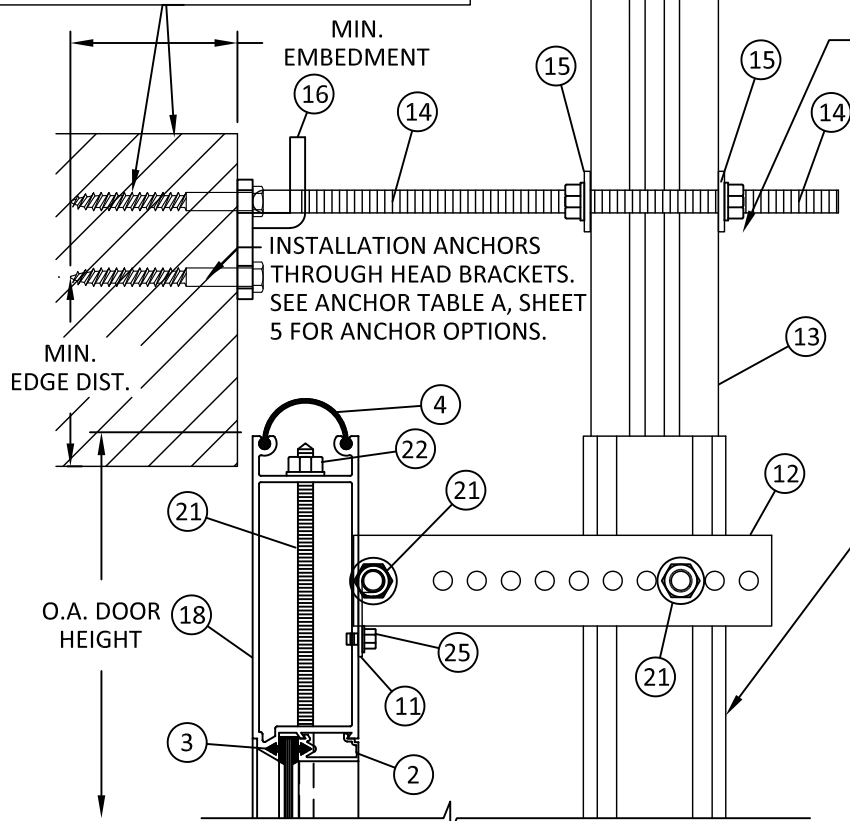
HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

| | |
|----------|----------|
| DATE: | 06.01.09 |
| DWG. BY: | JLR |
| CHK. BY: | HFN |
| SCALE: | NTS |
| DWG. #: | BPC003 |
| SHEET: | 2 |

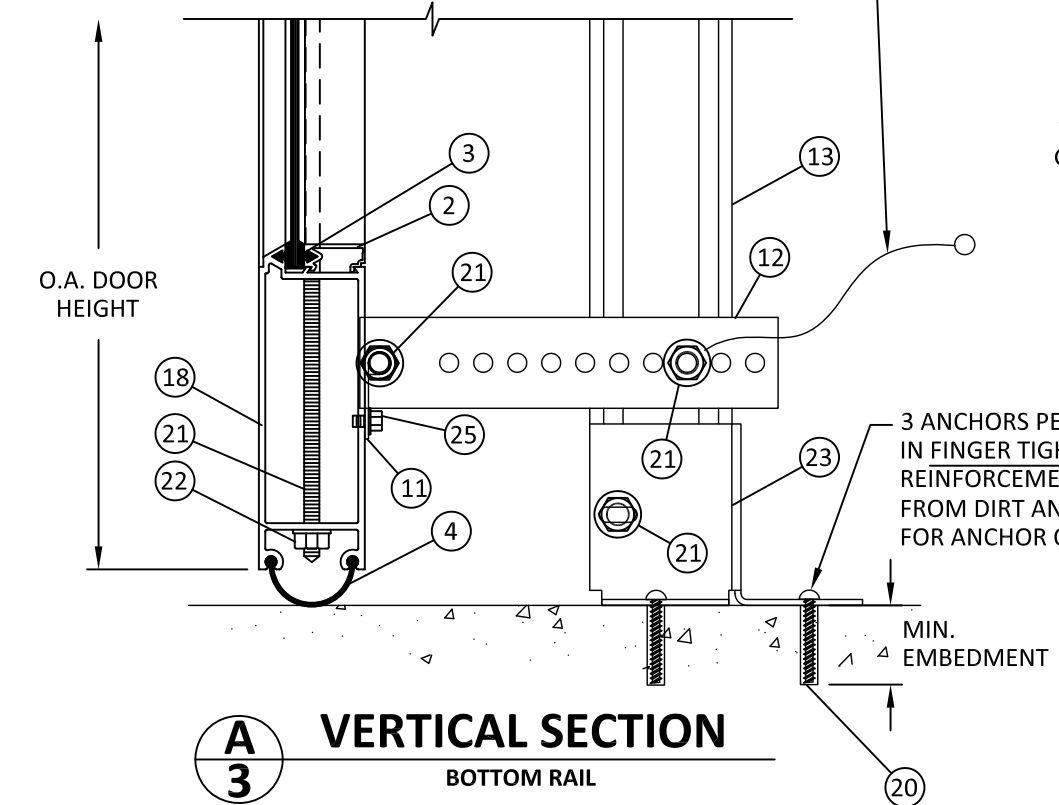
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NOTE: HEADER DETAIL CAN MATCH ANY OF THE JAMB AND/OR ANCHOR TYPES ON 4 OF 7.

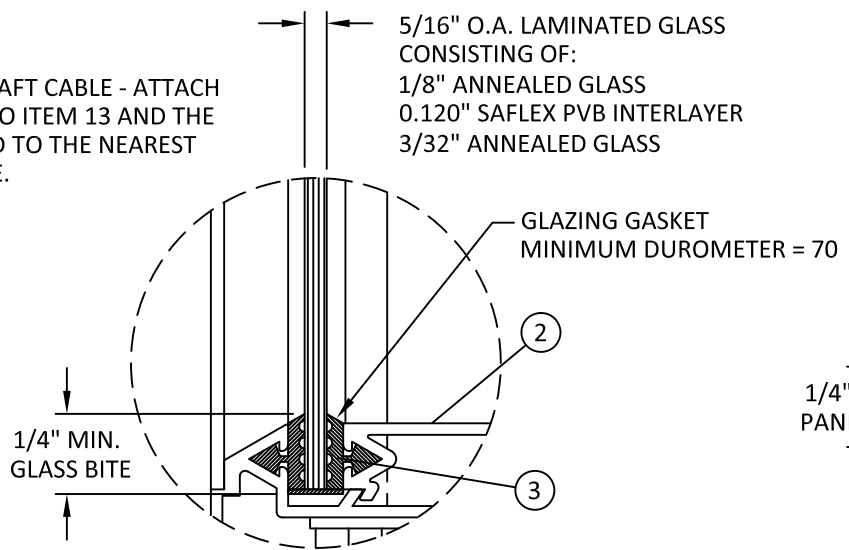


B3 VERTICAL SECTION
TOP RAIL

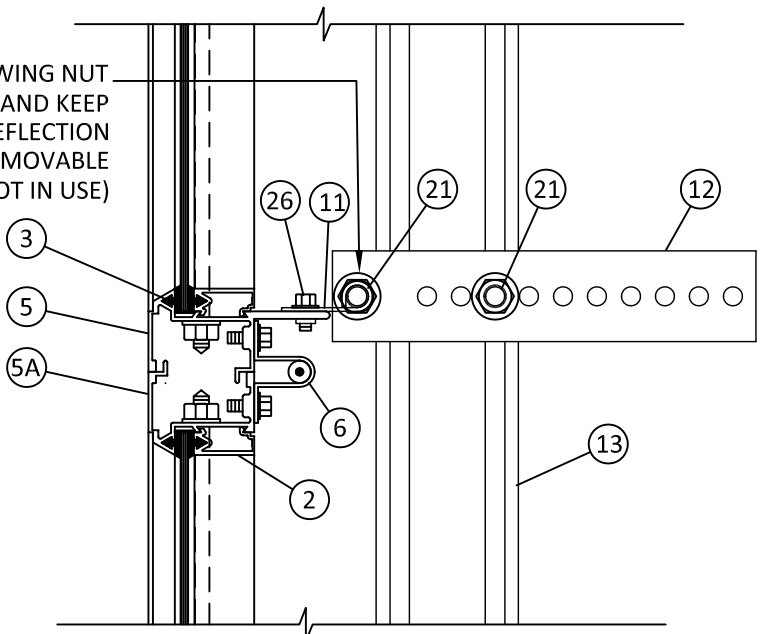


A3 VERTICAL SECTION
BOTTOM RAIL

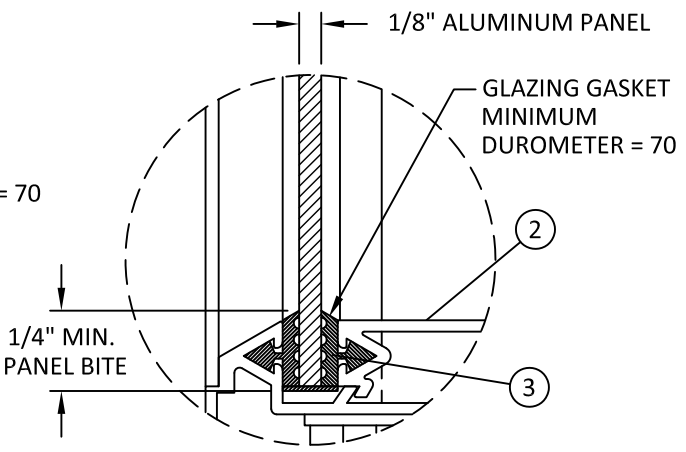
1/8" AIRCRAFT CABLE - ATTACH ONE END TO ITEM 13 AND THE OTHER END TO THE NEAREST SUBSTRATE.



GLAZING DETAIL

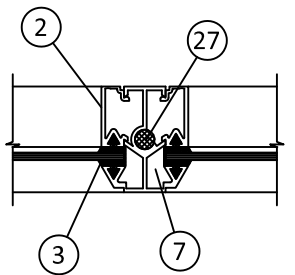


C3 VERTICAL SECTION
INTERMEDIATE RAIL



PANEL DETAIL

PRODUCT REVISED
as complying with the Florida Building Code
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By *R. J. [Signature]*
Miami-Dade Product Control



D3 HORIZONTAL SECTION
VERTICAL MULLION



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TITLE: BP-350/450 HD GLASS GARAGE DOOR (U.S. PAT.) - HURRICANE SYSTEM VERTICAL, HORIZONTAL SECTIONS & GLAZING DETAILS

PREPARED BY: **BUILDING DROPS, INC.**
398 E. DANIA BEACH BLVD., STE. 338
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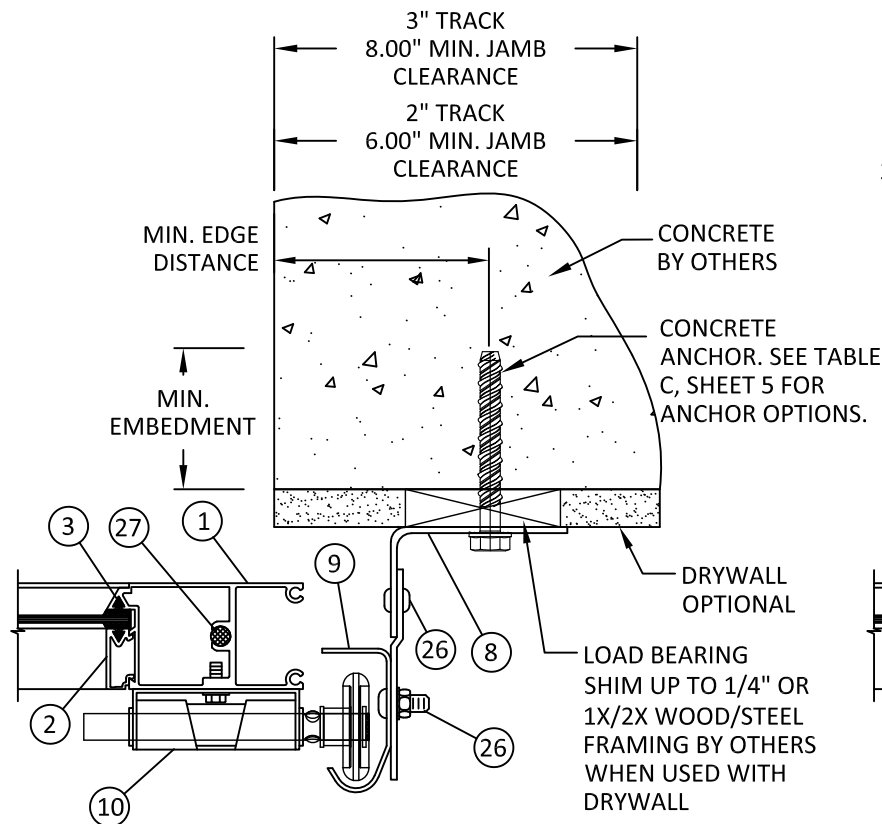


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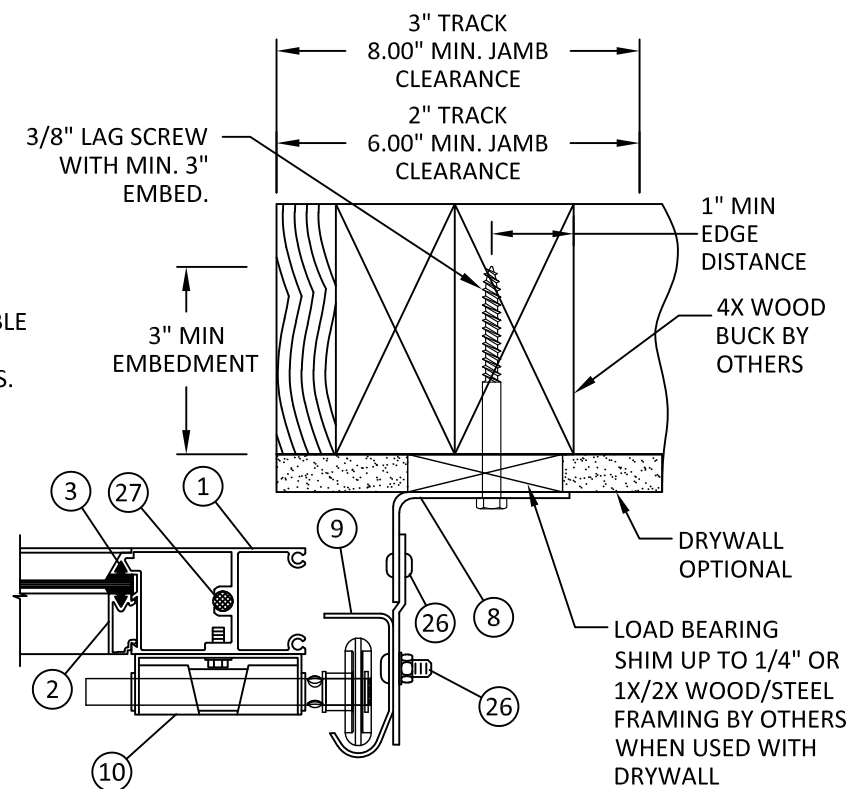
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| DATE: | 06.01.09 |
| DWG. BY: | JLR |
| CHK. BY: | HFN |
| SCALE: | NTS |
| DWG. #: | BPC003 |
| SHEET: | |

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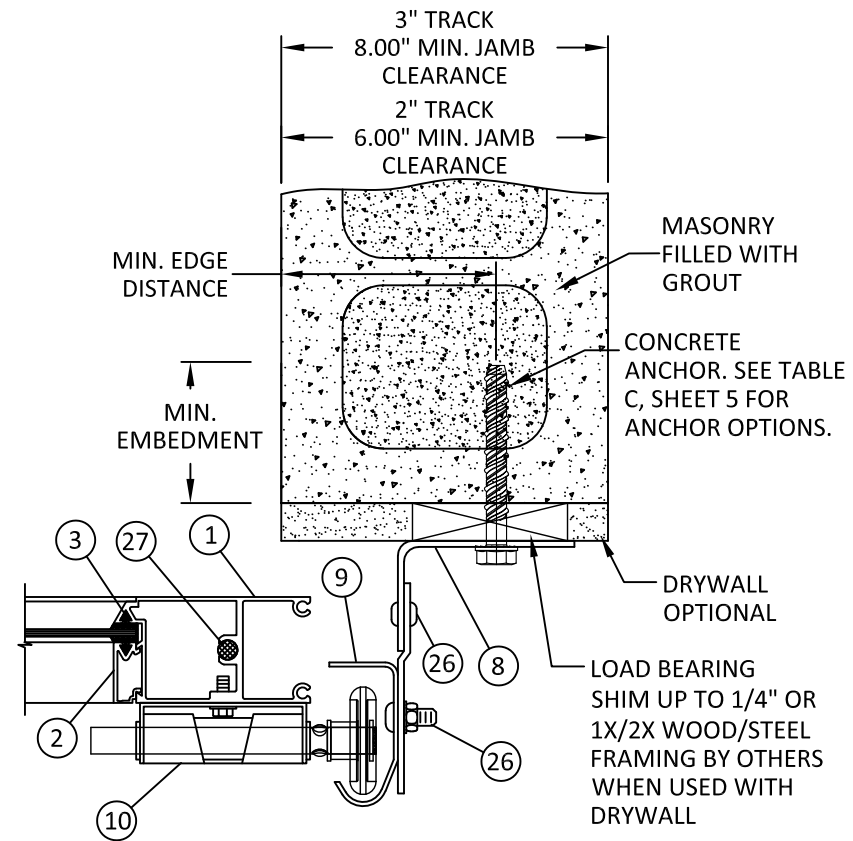
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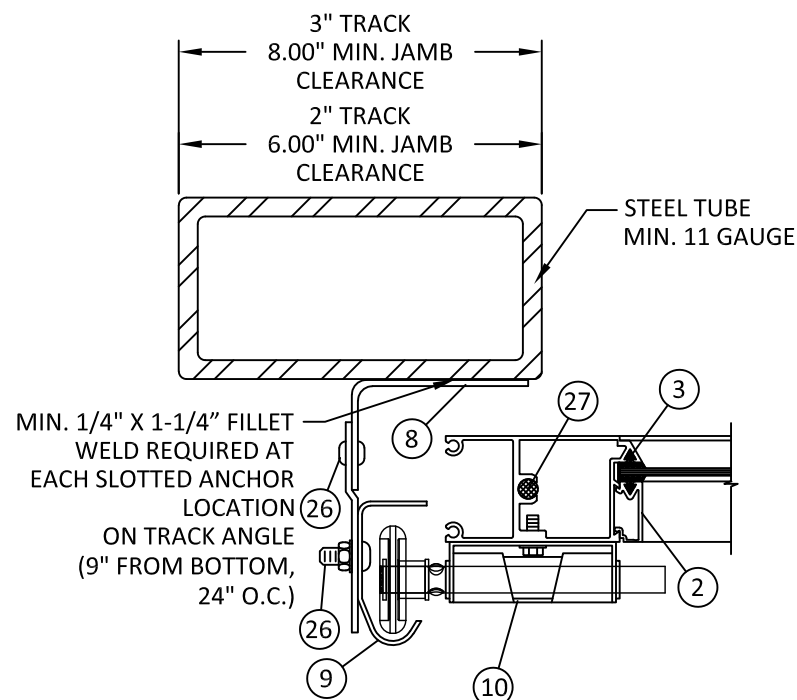
E
4 HORIZONTAL SECTION
JAMBS - DRYWALL OVER CONCRETE
ANGLE MOUNTED



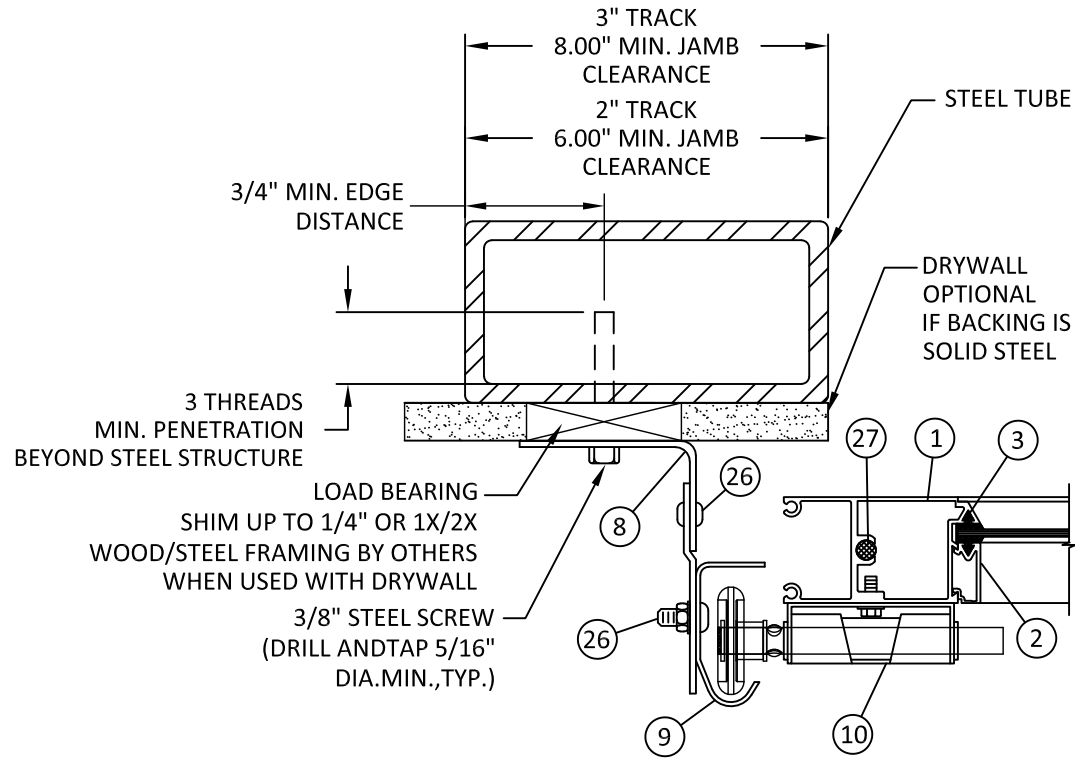
F
4 HORIZONTAL SECTION
JAMBS - DRYWALL OVER 4X WOOD FRAME
ANGLE MOUNTED



G
4 HORIZONTAL SECTION
JAMBS - DRYWALL OVER CMU
ANGLE MOUNTED



J
4 HORIZONTAL SECTION
JAMBS - STEEL
REVERSE ANGLE MOUNTED



K
4 HORIZONTAL SECTION
JAMBS - STEEL W/ DRYWALL
ANGLE MOUNTED

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HORIZONTAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.

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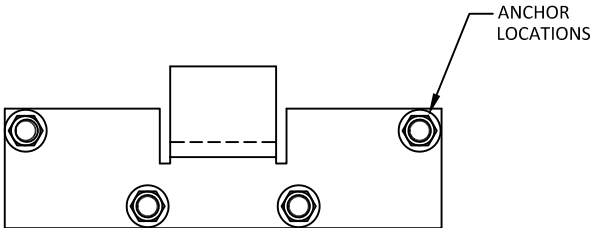
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| CHK. BY: | HFN |
| SCALE: | NTS |
| DWG. #: | BPC003 |
| SHEET: | |

| Type | Anchor | Substrate | Embedment | Edge Distance | C.C. Distance |
|---------------------------|----------------------------|--|---|---------------|---------------|
| Epoxy | 3/8" ITW Redhead A7 | 2000 psi concrete | 3 3/8" | 3 1/2" | 6 1/2" |
| | 3/8" Simpson AT | 2000 psi concrete | 1 3/4" | 3" | 6 1/2" |
| | 3/8" Hilti HY150 MAX | 2000 psi concrete | 1 3/4" | 3" | 6 1/2" |
| Expansion | 3/8" Hilti Kwik Bolt 3 | 3000 psi concrete | 2 1/2" | 3 1/2" | 6 1/2" |
| | 3/8" Hilti Kwik Bolt 3 | grout filled CMU | 2 1/2" | 3 1/2" | 6 1/2" |
| | 3/8" ITW Redhead Wedge | 2000 psi concrete | 3" | 3" | 6 1/2" |
| | 3/8" Powers Bolt Expansion | 3000 psi concrete | 2 1/2" | 3 1/2" | 6 1/2" |
| Tapcon/ Wedge Bolts | 3/8" Redhead LDT | 3000 psi concrete | 2 1/2" | 2" | 6 1/2" |
| | 3/8" Redhead LDT | grout filled CMU | 2 1/2" | 3 1/2" | 6 1/2" |
| | 3/8" Powers Wedge | 2000 psi concrete | 2 1/2" | 3" | 6 1/2" |
| | 3/8" Powers Wedge | grout filled CMU | 2 1/2" | 3 1/2" | 6 1/2" |
| | 3/8" Simpson Titen HD | 3000 psi concrete | 2 3/4" | 3 1/2" | 6 1/2" |
| | 3/8" Hilti Kwik HUS-EZ | 3000 psi concrete | 2 1/2" | 3" | 6 1/2" |
| | 3/8" Hilti Kwik HUS-EZ | grout filled CMU | 1 5/8" | 4" | 6 1/2" |
| Lag Screw | 3/8" Lag Screw | Wood (min S.G. = 0.55) | 3" | 1" | 2 1/4" |
| Bolt | 3/8" Steel Bolt | Steel (118 mils min. wall thickness) | 3 threads penetration beyond steel structure | 3/4" | 2 1/4" |

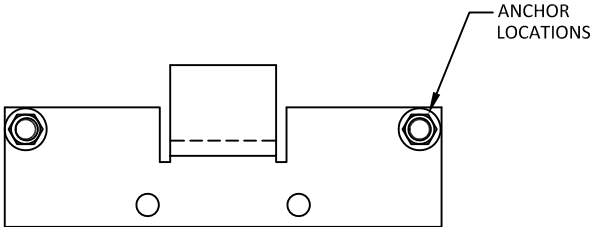
- ALL ANCHOR TYPES LISTED ABOVE VALID FOR MIN. SPECIFIED SUBSTRATE OR GREATER
- ANCHOR OPTION MUST MEET MINIMUM EMBEDMENT, EDGE DISTANCE, AND C.C. DISTANCE SPECIFIED
- ANCHORAGE AT BRACKET MUST CONFORM TO APPLICABLE BRACKET DETAIL BELOW

ANCHOR TABLE A - HEADER



BRACKET ANCHOR LOCATIONS FOR INSTALLATION INTO WOOD FRAME OR STEEL SUBSTRATE

BRACKET DETAIL A
(WOOD/STEEL INSTALLATION)



BRACKET ANCHOR LOCATIONS FOR INSTALLATION INTO CONCRETE OR CMU

BRACKET DETAIL B
(CONCRETE/CMU INSTALLATION)

| Type | Anchor | Substrate | Embedment | Edge Distance |
|---------|-----------------------|-------------------|-----------|---------------|
| Drop-In | 3/8" Hilti HDI | 2000 psi concrete | 1 9/16" | 3 1/8" |
| | 3/8" ITW Redhead | 2000 psi concrete | 1 5/8" | 2 7/8" |
| | 3/8" Powers Smart DI+ | 3000 psi concrete | 1 9/16" | 4 1/2" |

- ALL ANCHOR TYPES LISTED ABOVE VALID FOR MIN. SPECIFIED SUBSTRATE OR GREATER
- ANCHOR OPTION MUST MEET MINIMUM EMBEDMENT AND EDGE DISTANCE SPECIFIED

ANCHOR TABLE B - SILL

| Type | Anchor | Substrate | Embedment | Edge Distance |
|---------------------------|----------------------------|--|---|---------------|
| Drop-In | 3/8" Hilti HDI | 2000 psi concrete | 1 9/16" | 3 1/2" |
| | 3/8" ITW Redhead | 2000 psi concrete | 1 5/8" | 2 7/8" |
| | 3/8" Powers Smart DI+ | 3000 psi concrete | 1 9/16" | 3 1/2" |
| Epoxy | 3/8" ITW Redhead A7 | 2000 psi concrete | 3 3/8" | 3 1/2" |
| | 3/8" Simpson AT | 2000 psi concrete | 1 3/4" | 3" |
| | 3/8" Hilti HY150 MAX | 2000 psi concrete | 1 3/4" | 3" |
| Expansion | 3/8" Hilti Kwik Bolt 3 | 3000 psi concrete | 2 1/2" | 3 1/2" |
| | 3/8" Hilti Kwik Bolt 3 | grout filled CMU | 2 1/2" | 3 1/2" |
| | 3/8" ITW Redhead Wedge | 2000 psi concrete | 3" | 3" |
| | 3/8" Powers Bolt Expansion | 3000 psi concrete | 2 1/2" | 3 1/2" |
| Tapcon/ Wedge Bolts | 3/8" Redhead LDT | 3000 psi concrete | 1 1/2" | 2" |
| | 3/8" Redhead LDT | grout filled CMU | 1 1/2" | 3 1/2" |
| | 3/8" Powers Wedge | 2000 psi concrete | 2 1/2" | 3" |
| | 3/8" Powers Wedge | grout filled CMU | 2 1/2" | 3 1/2" |
| | 3/8" Hilti Kwik HUS-EZ | 3000 psi concrete | 2 1/2" | 3" |
| | 3/8" Hilti Kwik HUS-EZ | grout filled CMU | 1 5/8" | 4" |
| Lag Screw | 3/8" Lag Screw | Wood (min S.G. = 0.55) | 3" | 1" |
| Bolt | 3/8" Steel Bolt | Steel (118 mils min. wall thickness) | 3 threads penetration beyond steel structure | 3/4" |

- ALL ANCHOR TYPES LISTED ABOVE VALID FOR MIN. SPECIFIED SUBSTRATE OR GREATER
- ANCHOR OPTION MUST MEET MINIMUM EMBEDMENT AND EDGE DISTANCE SPECIFIED

ANCHOR TABLE C - TRACK

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NOA-No. 20-1123.03

Expiration Date 01/17/2026

By 
Miami-Dade Product Control



BP-GLASS GARAGE DOORS
& ENTRY SYSTEMS, INC.

1511 W. 2ND ST.
POMONA, CA 91766
PH: (626) 442-1716 FX: (626) 579-5320
www.GlassGarageDoors.com

TITLE:
BP-350/450 HD GLASS GARAGE DOOR
(U.S. PAT.) - HURRICANE SYSTEM

ANCHOR TABLES
& BRACKET DETAIL

PREPARED BY:

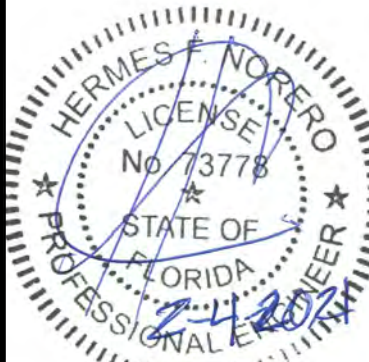
BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



| REMARKS | BY | DATE |
|--------------------|-----|-------|
| ANCHOR OPTS. ADDED | TJM | 10/13 |
| 5TH ED. FBC UPDATE | SIM | 01/16 |
| 6TH ED. FBC UPDATE | EG | 10/17 |
| 7TH ED. FBC UPDATE | LL | 11/20 |

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HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

DATE: 06.01.09

DWG. BY: JLR
CHK. BY: HFN

SCALE: NTS

DWG. #: BPC003

SHEET:

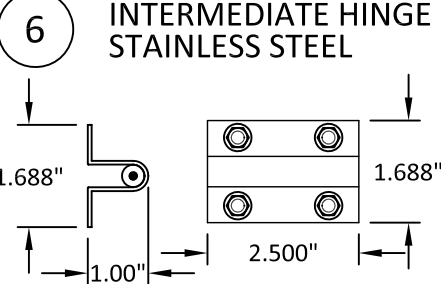
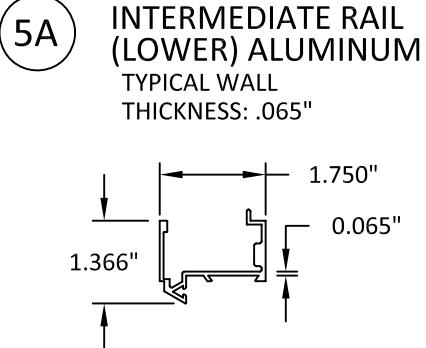
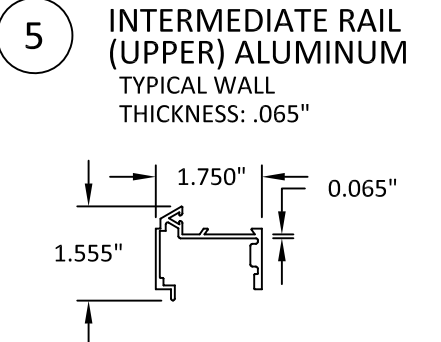
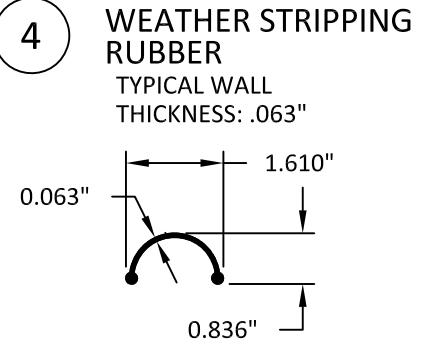
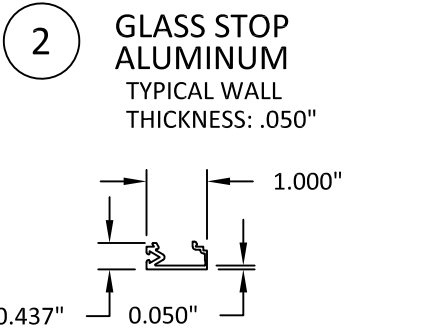
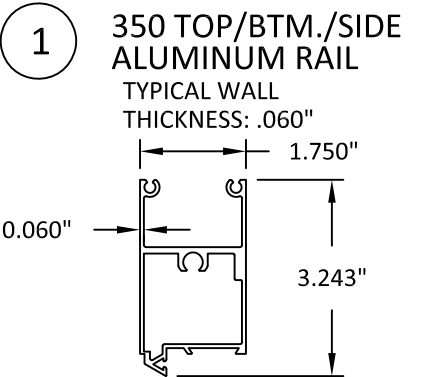
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| BILL OF MATERIALS | | | |
|-------------------|----------------------------------|------------------------|----------------|
| ITEM NO. | DESCRIPTION | MATERIAL | MANUFACTURER |
| 1 | 350 TOP/BTM./SIDE FRAME RAIL | ALUMINUM | BP GLASS DOORS |
| 2 | GLASS STOP | ALUMINUM | BP GLASS DOORS |
| 3 | GLAZING GASKET | EPDM | GLS |
| 4 | WEATHERSTRIPPING | EPDM | GLS |
| 5 | INTERMEDIATE RAIL (UPPER) | ALUMINUM | BP GLASS DOORS |
| 5A | INTERMEDIATE RAIL (LOWER) | ALUMINUM | BP GLASS DOORS |
| 6 | INTERMEDIATE HINGE | 14 GA. STAINLESS STEEL | BP GLASS DOORS |
| 7 | VERTICAL MULLION | ALUMINUM | BP GLASS DOORS |
| 8 | ANGLE | 14 GA. STEEL | BP GLASS DOORS |
| 9 | TRACK 2" | 15 GA. STEEL | BP GLASS DOORS |
| 10 | UNIVERSAL HINGES #1-#9 | 12 GA. STAINLESS STEEL | BP GLASS DOORS |
| 11 | HF-PIN BRACKET | 12 GA. STAINLESS STEEL | BP GLASS DOORS |
| 12 | DEFLECTION BRACKET | 11 GA. GALV. STEEL | BP GLASS DOORS |
| 13 | REMOVABLE REINFORCEMENT | ALUMINUM | BP GLASS DOORS |
| 14 | 3/8" U-BOLT & LOCK NUTS | STEEL | BP GLASS DOORS |
| 15 | U-BOLT PLATES | 12 GA. GALV. STEEL | BP GLASS DOORS |
| 16 | TOP BRACKET | 1/4" STEEL | BP GLASS DOORS |
| 17 | TOP FIXTURE | 12 GA. STAINLESS STEEL | BP GLASS DOORS |
| 18 | 350/450 TOP AND BOTTOM RAIL | ALUMINUM | BP GLASS DOORS |
| 19 | BOTTOM FIXTURE | 12 GA. STAINLESS STEEL | BP GLASS DOORS |
| 20 | 3/8" DROP IN CONCRETE ANCHOR | STEEL | BP GLASS DOORS |
| 21 | 1/4" - 20 HEX BOLT & NUTS | STEEL | BP GLASS DOORS |
| 22 | 1/4" NUT | STEEL | BP GLASS DOORS |
| 23 | FLOOR FLANGE | 12 GA. GALV. STEEL | BP GLASS DOORS |
| 24 | 3/8" X 3" LAG BOLT | STEEL | BP GLASS DOORS |
| 25 | 1/4" X 1/2" SELF THREADING SCREW | STEEL | BP GLASS DOORS |
| 26 | 1/4" X 1/2" CARRIAGE BOLT | STEEL | BP GLASS DOORS |
| 27 | 1/4" X 20 GALV. THRU BOLT W/ NUT | STEEL | BP GLASS DOORS |



PRODUCT REVISED
as complying with the Florida
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NOA-No. 20-1123.03
Expiration Date 01/17/2026
By 
Miami-Dade Product Control




**BP-GLASS GARAGE DOORS
& ENTRY SYSTEMS, INC.**
1511 W. 2ND ST.
POMONA, CA 91766
PH: (626) 442-1716 FX: (626) 579-5320
www.GlassGarageDoors.com

TITLE: BP-350/450 HD GLASS GARAGE DOOR
(U.S. PAT.) - HURRICANE SYSTEM
BILL OF MATERIALS
& COMPONENTS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

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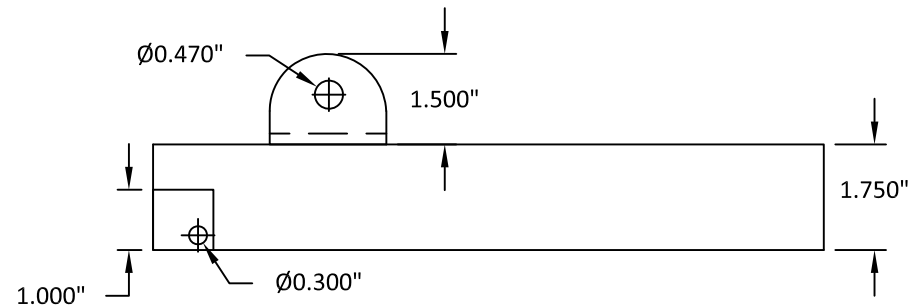
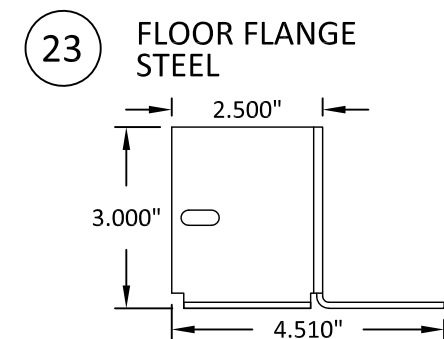
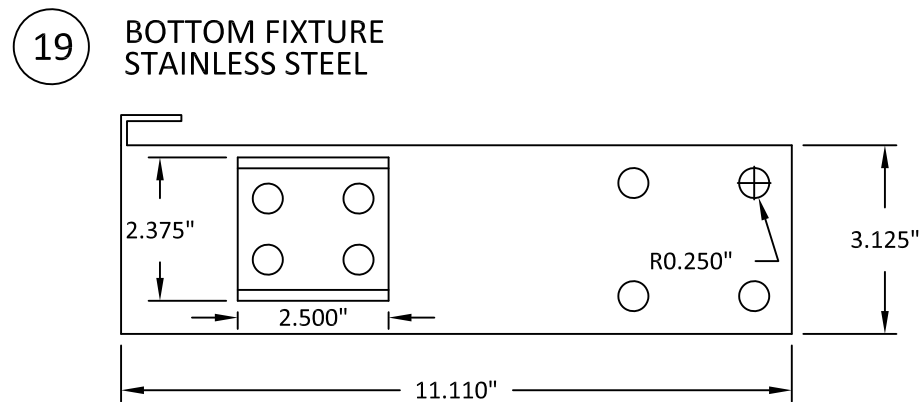
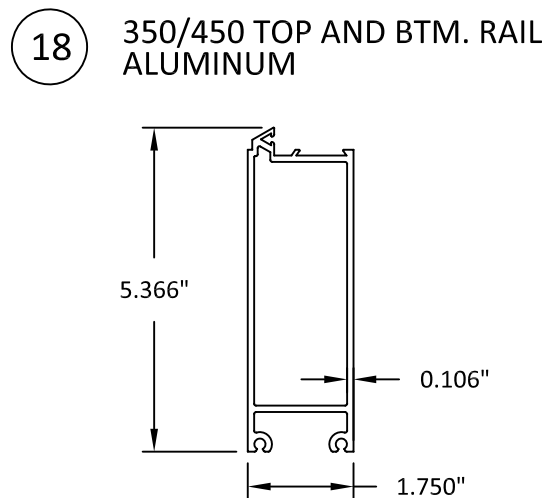
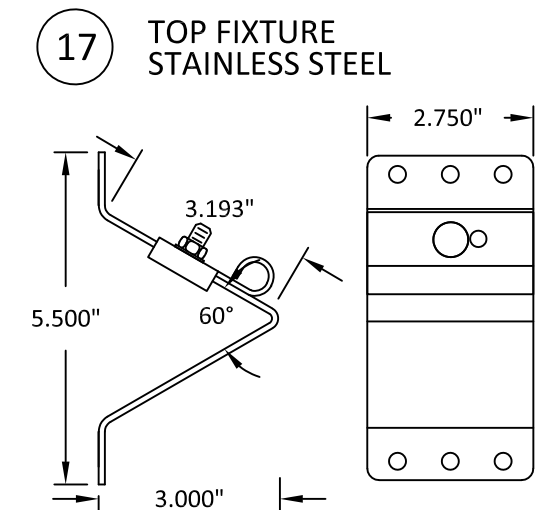
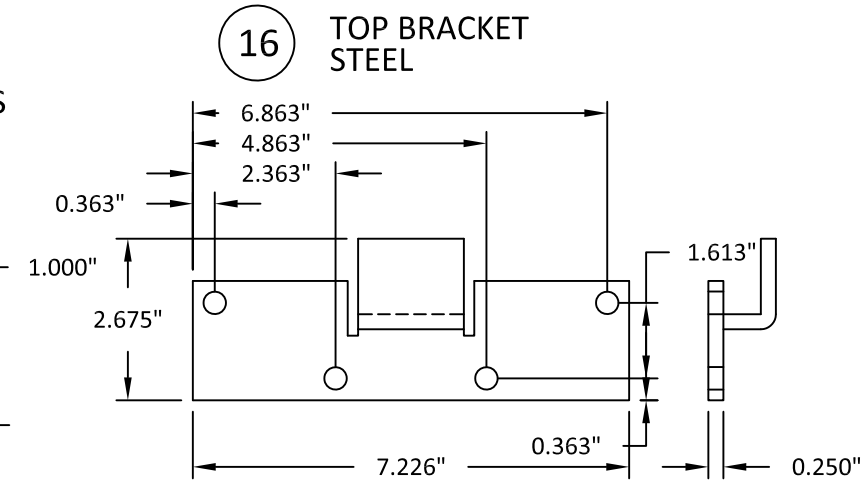
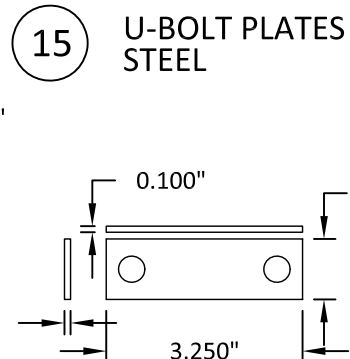
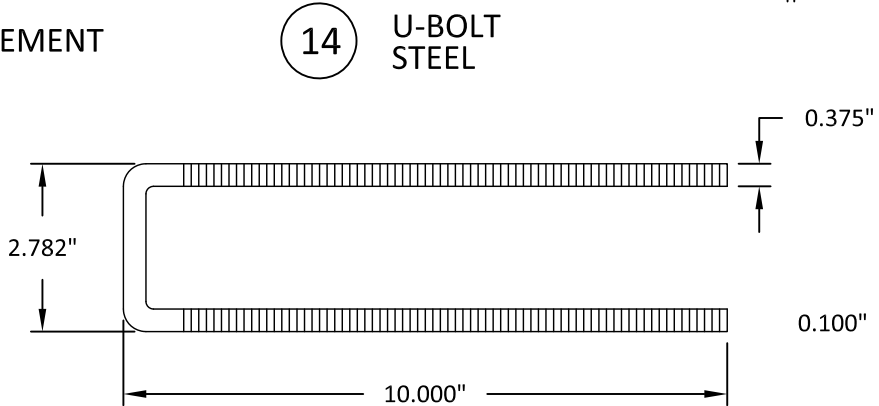
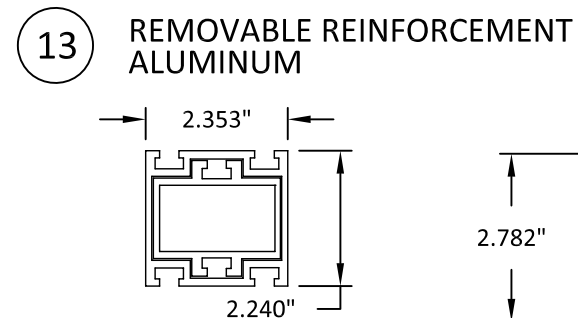
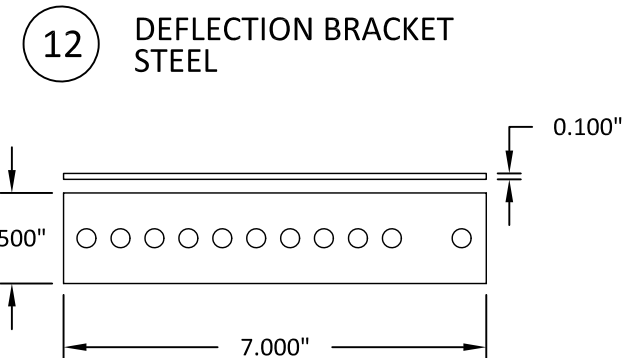
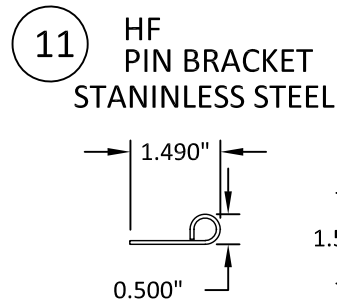
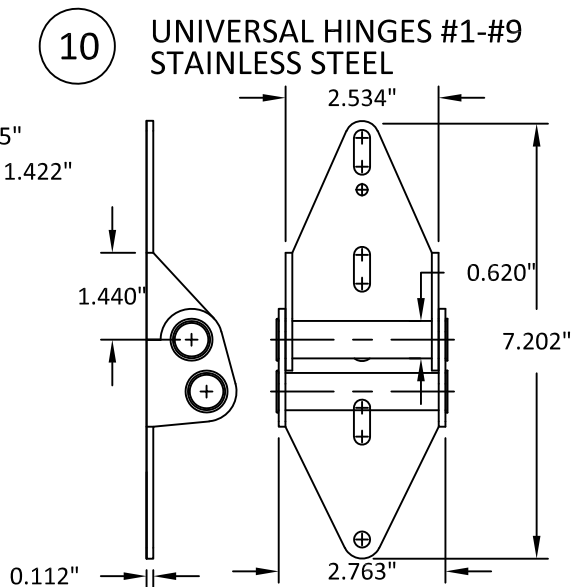
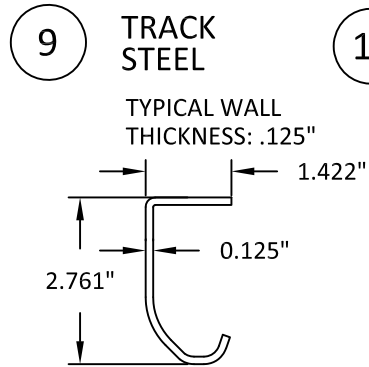
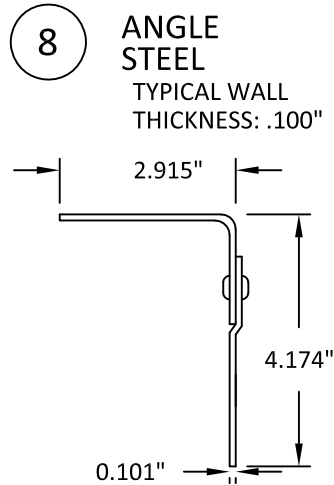
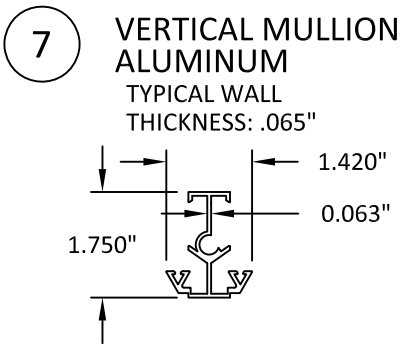
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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

| | |
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| DATE: 06.01.09 | |
| DWG. BY: JLR | CHK. BY: HFN |
| SCALE: NTS | |
| DWG. #: BPC003 | |
| SHEET: 6 | |

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