



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

Mesker Door, a Division of DormaKaba, USA, Inc.
3440 Stanwood Blvd.,
Huntsville, AL 35811

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: N-Series Outswing Opaque Steel Doors-LMI

APPROVAL DOCUMENT: Drawing No. **DOR009** Rev A (former **AD14-19**), titled "N-Series Outswing Opaque Steel Door (LMI/SMI)", sheets 1 through 12 of 12, dated 12/17/20, prepared by Building Drops, Inc., signed and sealed by Hermes 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

Limitations:

1. See sheet **1** thru **4** for Lock Hardware Options. See sheets **1** thru **5** for Anchor Bracket types and anchor types.
2. See sheet **3** for Embossed or Flush panel options.
3. Private labelling is **not** part of this approval.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 & renews** # **17-0920.07** consists of this page 1 and evidence pages E-1, E-2 & E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



Ishaq I. Chanda

NOA No. 20-0708.03
Expiration Date: July 16, 2025
Approval Date: December 23, 2020
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS

1. Manufacturer's die drawings and sections (submitted under files below)
2. Drawing No. **AD14-19**, titled "N-Series Outswing Opaque Steel Door (LMI/SMI)", sheets 1 through 12 of 12, prepared by MYC Engineering Inc., dated 01/21/15 and last revised on JUL 01, 2015, signed and sealed by Yipping Wang, P.E.

B. TESTS (submitted under file # 14-1021.03)

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) 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, TAS 202-94

along with marked-up drawings and installation diagram of outswing Steel door w/ glazed steel lite kit assembly, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL 7245**, dated 08/22/14 and **FTL 8120**, dated 12/19/14, signed and sealed by Idalmis Ortega, P. E.

Note: Test report **FTL 7245** has been revised by an addendum letter dated April 10, 2015, issued by Fenestration Testing lab, signed and sealed by Idalmis Ortega, P. E.

C. CALCULATIONS

1. Anchor Verification calculation dated 01/12/15, 07/01/15 and last revised on JUL 07, 2015, prepared by MYC Engineering Inc., signed and sealed by Yipping Wang, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Tensile strength test report **FTL 8319** for "Kit Steel frame" per ASTM E-08, dated 04/07/15 issued by Fenestration Testing lab, signed and sealed by Idalmis Ortega, P. E.

F. STATEMENTS

1. Statement letter of conformance FBC 2014 (5th Edition) and letter of no financial interest, dated 01/09/15, prepared by MYC Engineering Inc., signed and sealed by Yipping Wang, P.E.
2. Statement letter dated 07/08/15, issued by Mesker Holding, LLC stating Mesker Door, LLC is the subsidiary of Mesker Holding and requesting NOA to be issued under Mesker Door, LLC, signed by Aaron R Schwartz, Chief Financial Officer.
3. State of Alabama Business entity details and legal name listing dated 11-07-2013, signed by Secretary of State.
4. Lab compliance as part of the above referenced test report.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0708.03
Expiration Date: July 16, 2025
Approval Date: December 23, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER

1. Test proposal #13-1401, dated 04/04/14 approved by RER.
2. Internet posting of Mesker Holding, LLC.

2. Evidence submitted under previous approvals

A. DRAWINGS

1. Drawing No. **AD14-19**, titled “N-Series Outswing Opaque Steel Door (LMI/SMI)”, sheets 1 through 12 of 12, prepared by MYC Engineering Inc., Sep 05, 2017, signed and sealed by Yipping Wang, P.E.

Note: Revision consist of FBC 2017 code update in sheet 1.

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. Tensile strength test report **FTL 8319** for “Kit Steel frame” per ASTM E-08, dated 04/07/15 issued by Fenestration Testing lab, signed and sealed by Idalmis Ortega, P. E.

F. STATEMENTS

1. Statement letters of conformance to FBC 2017(6th Edition) and FBC 2014 (5th Edition), dated 09/05/17, prepared by MYC Engineering Inc., signed and sealed by Yipping Wang, P.E.
2. Statement letter dated 11/28/17 of code revision note update only and no other changes in approval drawings, prepared by MYC Engineering Inc., signed and sealed by Yipping Wang, P.E.

G. OTHER

1. This NOA revises NOA # 14-1021.03, expiring 07/16/20.

1. New Evidence Submitted

A. DRAWINGS

1. Drawing No. **DOR009 Rev A** (former **AD14-19**), titled “N-Series Outswing Opaque Steel Door (LMI/SMI)”, sheets 1 through 12 of 12, dated 12/17/20, prepared by Building Drops, Inc., signed and sealed by Hermes Norero, P.E.
(Note: Revision consist of FBC 2020 code updates)

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0708.03
Expiration Date: July 16, 2025
Approval Date: December 23, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TEST

1. None.

C. CALCULATIONS

1. Anchor Verification calculation dated 07/30/20, prepared by Building Drops, Inc., signed and sealed by Hermes Norero, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letters of conformance to FBC 2020 (7th Edition) and “No financial interest”), dated 06/30/20, prepared by Building Drops, Inc., signed and sealed by Hermes Norero, P.E.
2. Notification of Successor Engineer per the Florida Administrative Code Section 61G15-27.001, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated 02/09/20, prepared by Building Drops, Inc., signed and sealed by Hermes Norero, P.E.
3. Merger Certificate issued dated DEC 01, 2017 by State of Delaware between Mesker Holding Inc., and “PRT Blocker”, LLC, signed by Jeffery W, Bullock, Secretary of State.
4. Merger Certificate issued dated Jun 13, 2018 by State of Delaware between Mesker Door, Inc., Inc., with and into “PRT Blocker”, LLC, signed by Jeffery W, Bullock, Secretary of State.
5. Merger Certificate issued dated Jun 27, 2018 by State of Delaware between “PRT Blocker”, LLC with and into DormaKaba USA, Inc., signed by Jeffery W, Bullock, Secretary of State.
6. Statement letter dated 10/16/20 requesting Name change based on merger documents, signed by Ms. Nancy M. Lambert, V.P. & general counsel, DormaKaba, USA, Inc.

G. OTHER

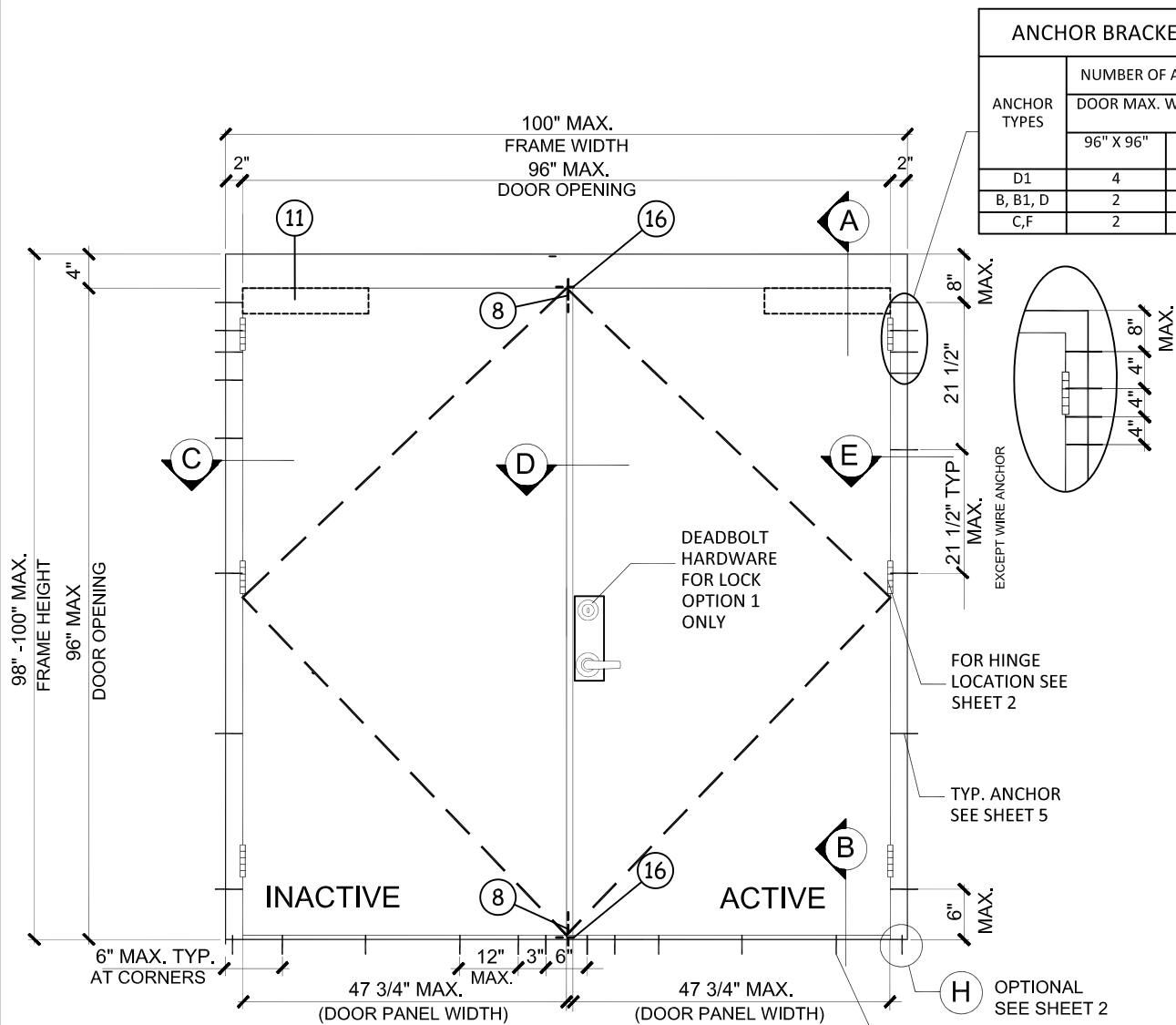
1. This NOA revises & renews # 17-0920.07, expiring 07/16/25.
2. Media Release by dormakaba dated Nov. 08, 2016 to acquire merger of US based Mesker Opening group.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0708.03
Expiration Date: July 16, 2025
Approval Date: December 23, 2020

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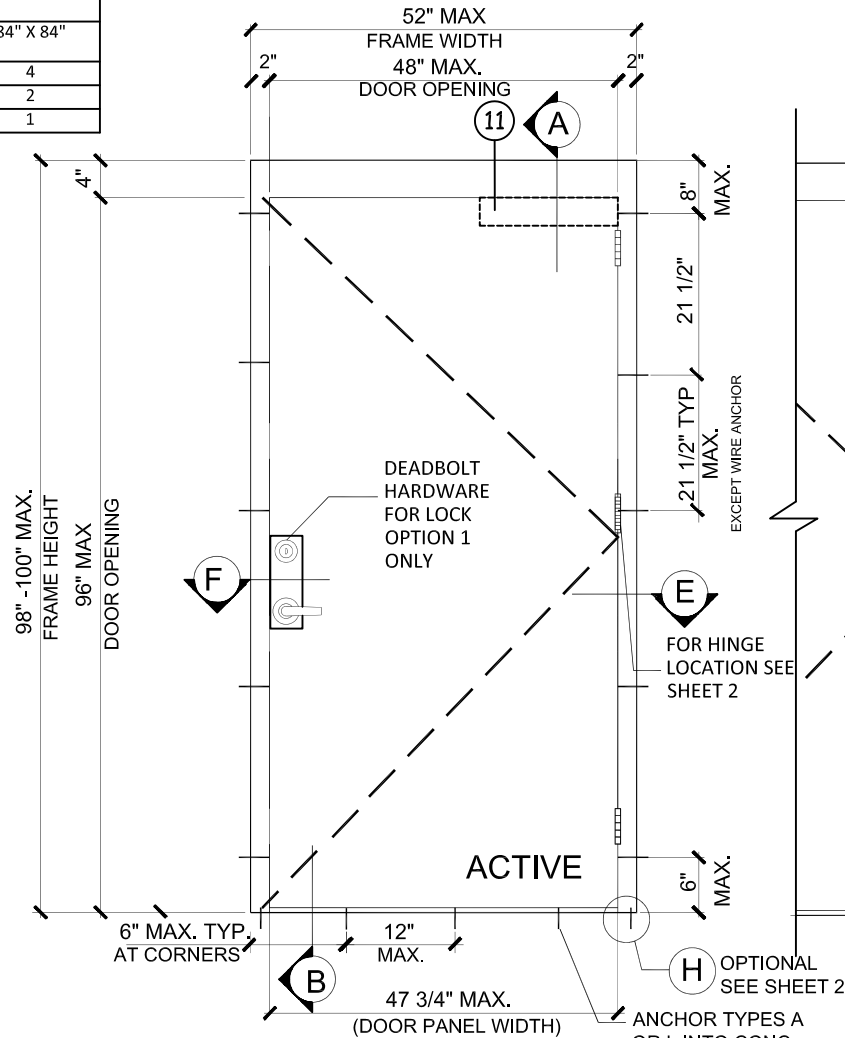
TYPICAL EXTERIOR ELEVATION (XX)
(SINGLE PANEL OUTSWING GLAZED DOOR)
(LOCK OPTION 1 (MORTISE LOCK WITH DEADBOLT) &
LOCK OPTION 2 (CYLINDRICAL LOCK) SEE SHEET 9)

"N" SERIES GLAZED OUTSWING STEEL DOOR (LMI)

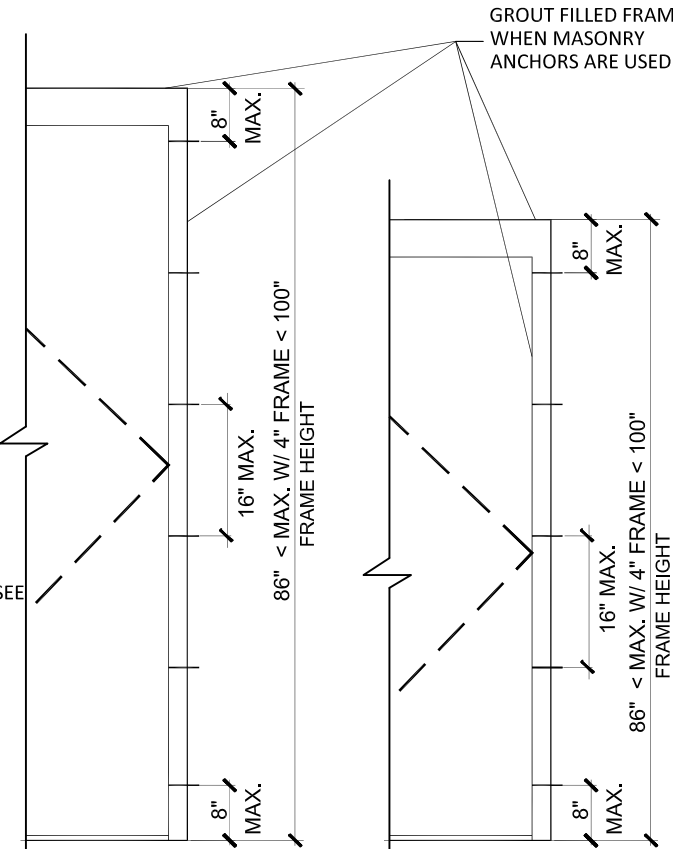
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS ARE RATED FOR LARGE MISSILE IMPACT AND DO NOT REQUIRE SHUTTERS.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON ELEVATIONS / DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE AS APPLICABLE.

- METAL STRUCTURES NOT BY MESKER DOOR INC. MUST SUPPORT LOADS IMPOSED BY DOOR SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.
- 1X OR 2X WOOD BUCKS OR OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- A LOAD DURATION FACTOR IN ALLOWABLE STRESS IS USED IN DESIGN OF WOOD ANCHORS ONLY.
- DOOR PANEL: MIN. 18 GA. (0.042" THK) STEEL MIN. $F_y = 42$ KSI, $F_u = 51.5$ KSI MIN. DOOR FRAME: MIN. 16 GA. (0.053" THK) STEEL MIN. $F_y = 42$ KSI, $F_u = 51.5$ KSI MIN.
- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7-16 MULTIPLIED BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT.

| ANCHOR BRACKET TYPE A | | |
|-----------------------|--------------------------|-----------|
| ANCHOR TYPES | NUMBER OF ANCHOR REQ'D | |
| | DOOR MAX. WIDTH X HEIGHT | |
| | 96" X 96" | 84" X 84" |
| D1 | 4 | 4 |
| B, B1, D | 2 | 2 |
| C, F | 2 | 1 |



TYPICAL EXTERIOR ELEVATION (X)
(SINGLE PANEL OUTSWING GLAZED DOOR)
(LOCK OPTION 1 (MORTISE LOCK WITH DEADBOLT) &
LOCK OPTION 2 (CYLINDRICAL LOCK) SEE SHEET 9)



ANCHOR LAYOUT
WIRE ANCHOR TYPE H &
STRAP ANCHOR TYPE K
(FOR BOTH SINGLE AND DOUBLE DOORS)

NOTES:
EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.
ALL OPENINGS PASSED WITH WATER INFILTRATION.

| DESIGN LOADS (FOR SIZES SHOWN ABOVE OR SMALLER) AS PERMITTED BY FBC | |
|---|-----------|
| +65.0 PSF | -65.0 PSF |

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0708.03
Expiration Date 07/16/2025
By *Ishaq I. Chande*
Miami-Dade Product Control



MESKER DOOR a division of
dormakaba USA Inc.
3440 Stanwood Blvd.
Huntsville, AL 35811

PH: (256) 851-6670 FX: (800) 503-1410

TITLE: N SERIES OUTSWING STEEL
OPAQUE DOOR

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

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

REVISIONS

| NO. | DESCRIPTION | BY | DATE |
|-----|-----------------|----|----------|
| A | 2020 FBC UPDATE | SM | 12/15/20 |
| | | | |
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| DATE: 06.10.20 | DWN BY: ER | CHK BY: HFN | SCALE: NTS |
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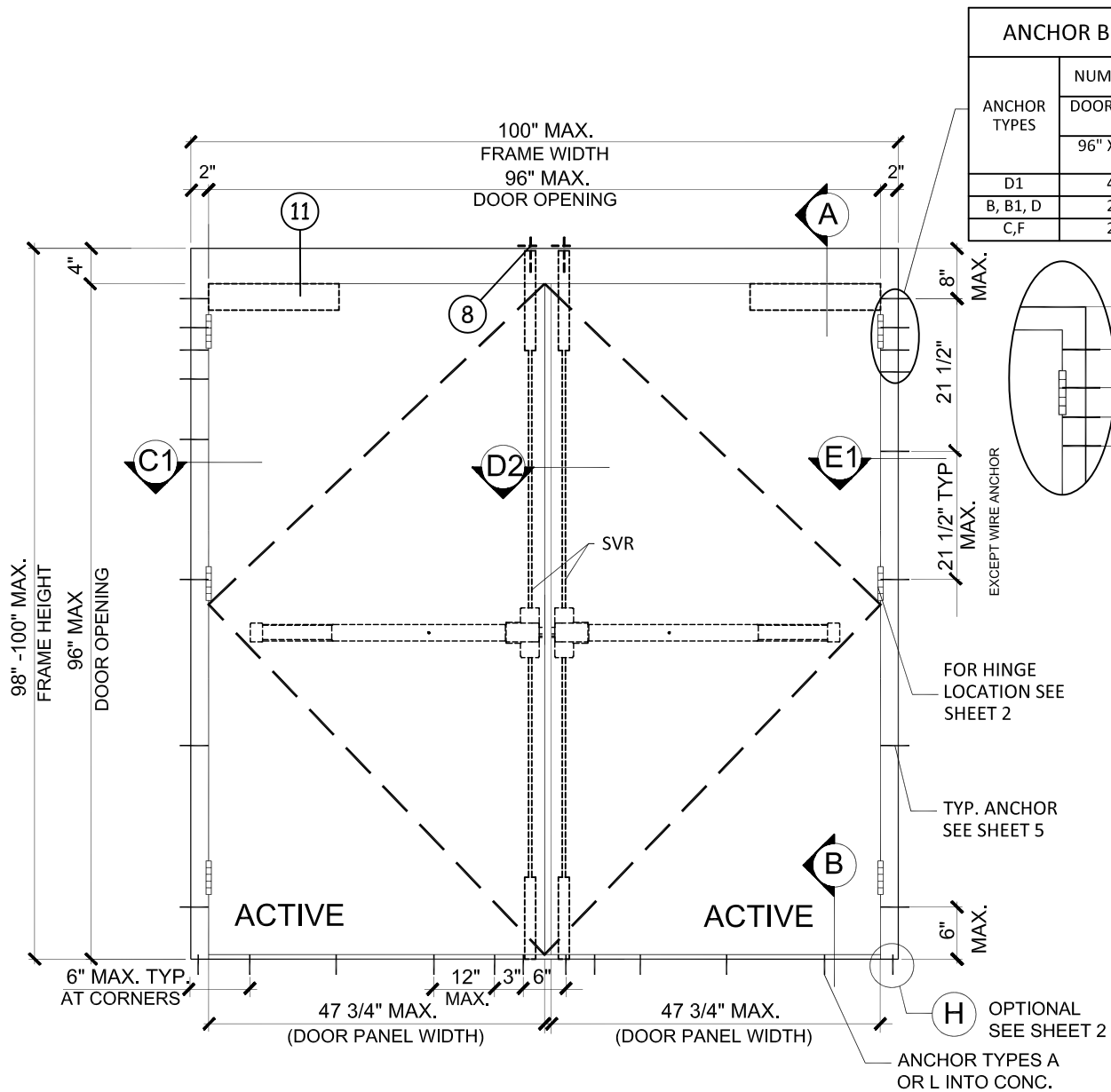
DWG #:

DOR009

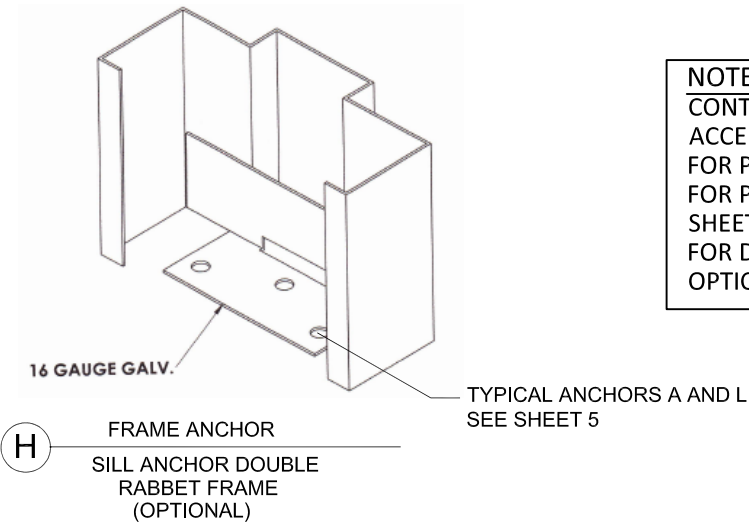
SHEET: **1 OF 12**

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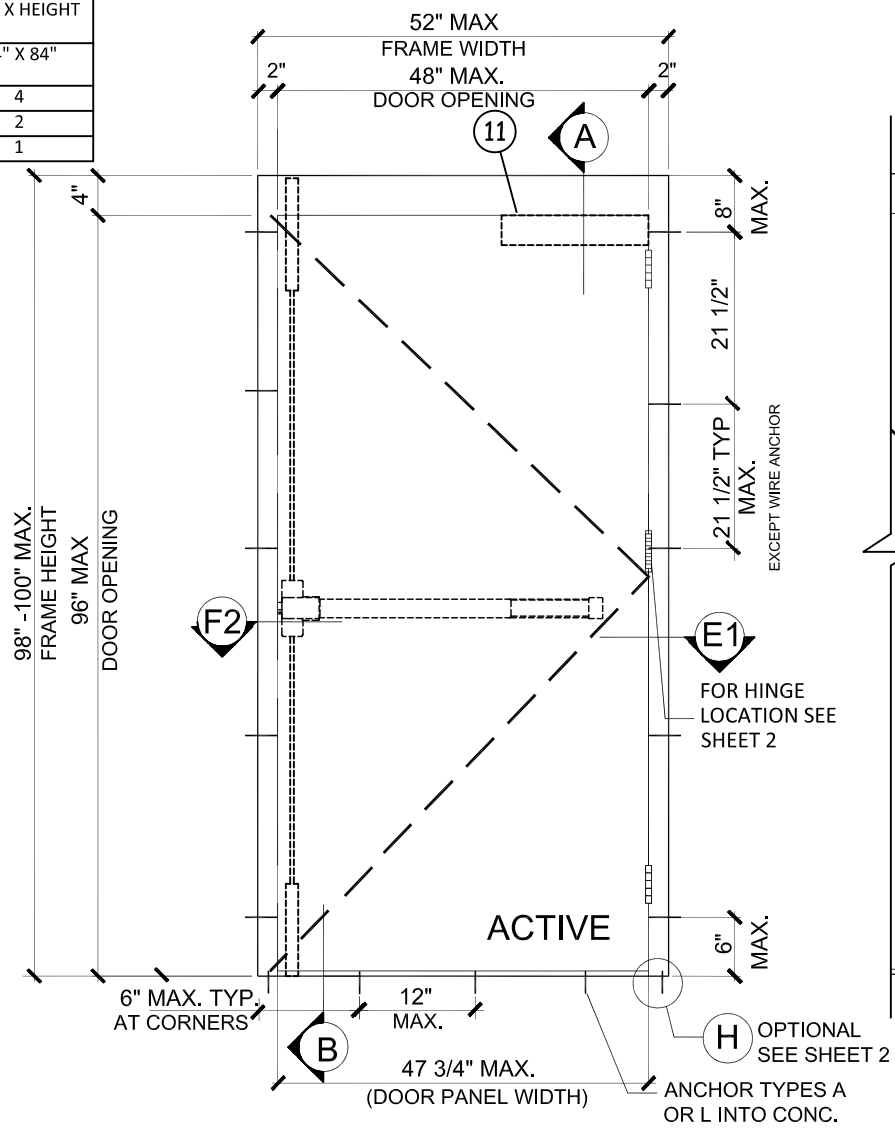
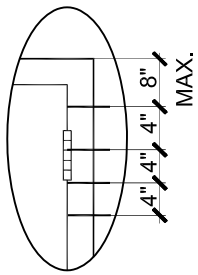


TYPICAL EXTERIOR ELEVATION (XX)
(DOUBLE PANEL OUTSWING GLAZED DOOR)
(LOCK OPTION 5 (SVR) SEE SHEET 9)

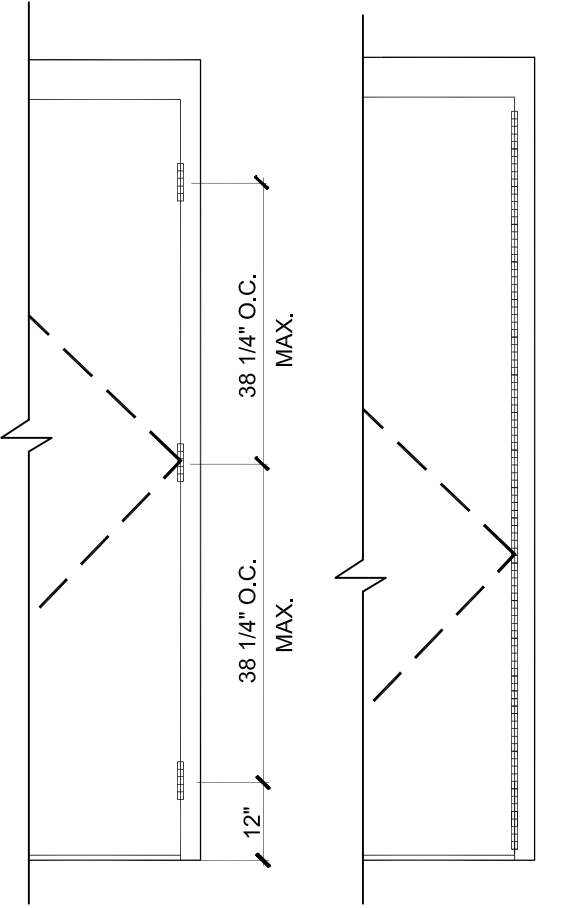


NOTES:
CONTINUOUS HINGE OR BB5 HINGE
ACCEPTABLE ON ALL OPTIONS.
FOR PANEL HINGE OPTIONS.
FOR PANEL HINGE OPTIONS SEE
SHEET 5.
FOR DOOR EDGE AND EDGE SEAM
OPTIONS SEE SHEET 4

| ANCHOR BRACKET TYPE A | | |
|-----------------------|--------------------------|-----------|
| ANCHOR TYPES | NUMBER OF ANCHOR REQ'D | |
| | DOOR MAX. WIDTH X HEIGHT | |
| | 96" X 96" | 84" X 84" |
| D1 | 4 | 4 |
| B, B1, D | 2 | 2 |
| C,F | 2 | 1 |



TYPICAL EXTERIOR ELEVATION (X)
(SINGLE PANEL OUTSWING GLAZED DOOR)
(LOCK OPTION 5 (SVR) SEE SHEET 9)



HINGE LAYOUTS
(FOR BOTH SINGLE AND DOUBLE DOORS)
(SEE DETAIL ON SHEET 5)

| DESIGN LOADS (FOR SIZES SHOWN ABOVE OR SMALLER) AS PERMITTED BY FBC | |
|---|-----------|
| +65.0 PSF | -65.0 PSF |

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0708.03
Expiration Date 07/16/2025
By Ishag I. Chande
Miami-Dade Product Control



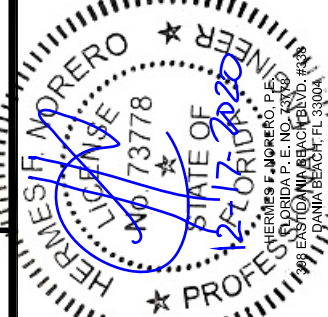
MESKER DOOR a division of
dormakaba USA Inc.
3440 Stanwood Blvd.
Huntsville, AL 35811

PH: (256) 851-6670 FX: (800) 503-1410

TITLE: N SERIES OUTSWING STEEL
OPAQUE DOOR

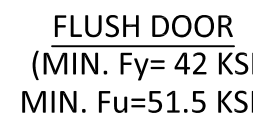
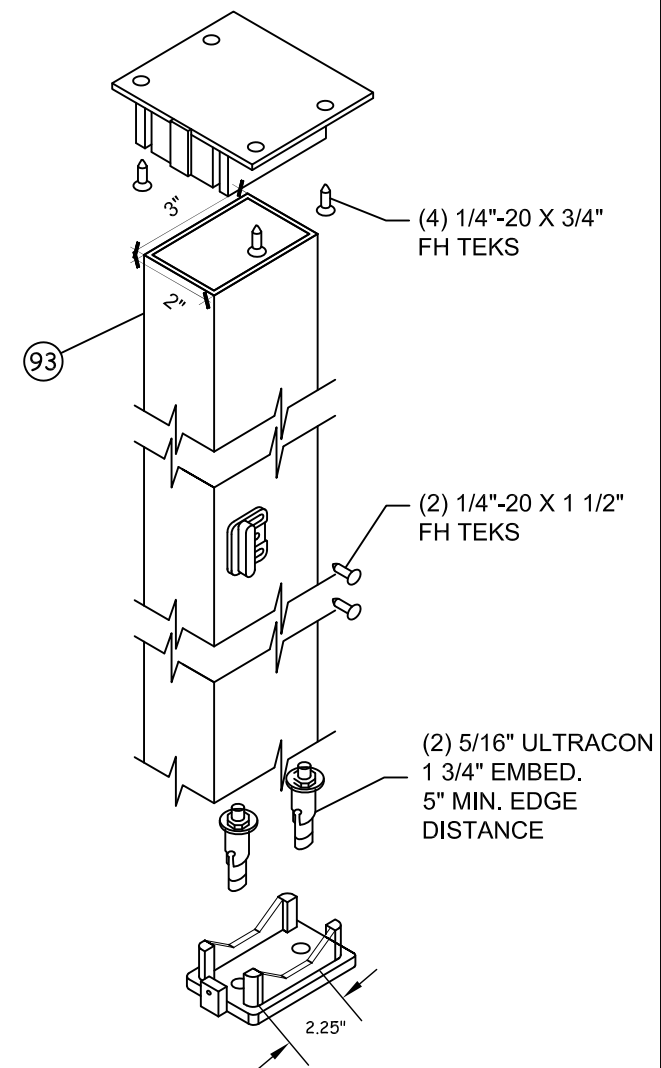
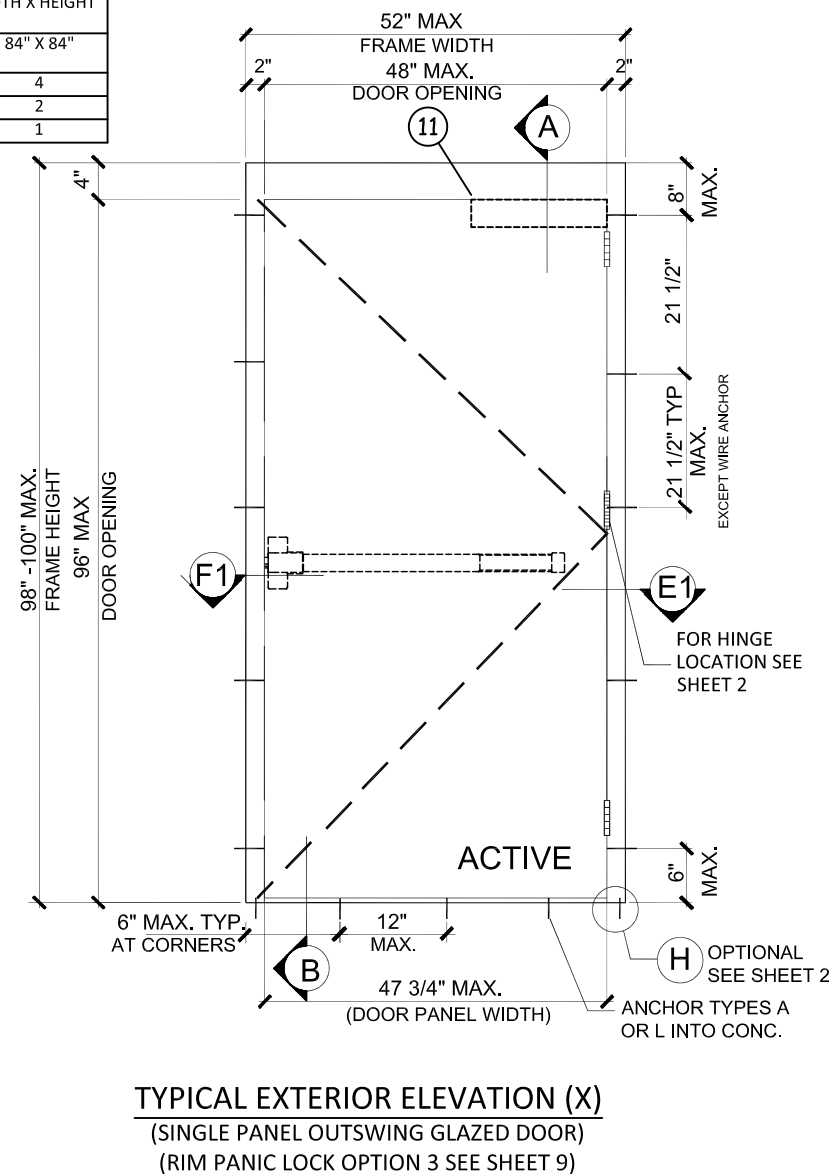
PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

| REVISIONS | | BY | DATE |
|-----------|-----------------|----|----------|
| NO. | DESCRIPTION | | |
| A | 2020 FBC UPDATE | SM | 12/15/20 |



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| DATE: 06.10.20 | DWN BY: ER | CHK BY: HFN | SCALE: NTS |
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DWG #:
DOR009
SHEET: **2 OF 12**




DESIGN HARDWARE SERIES
KRM REMOVABLE MULLION

Fy= 36 KSI MIN.
1/8" THK. STEEL

PRODUCT REVISED
as complying with the Florida
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Expiration Date 07/16/2025
By Ishaq I. Chaudh
Miami-Dade Product Control

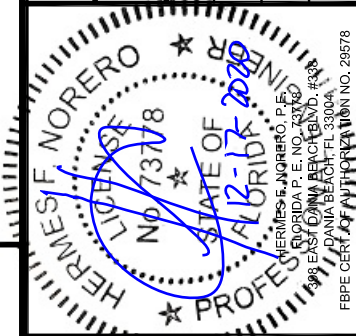
TITLE: N SERIES OUTSWING STEEL
OPAQUE DOOR

PREPARED BY:

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| REVISIONS | | | |
|-----------|-----------------|----|----------|
| NO. | DESCRIPTION | BY | DATE |
| A | 2020 FBC UPDATE | SM | 12/15/20 |
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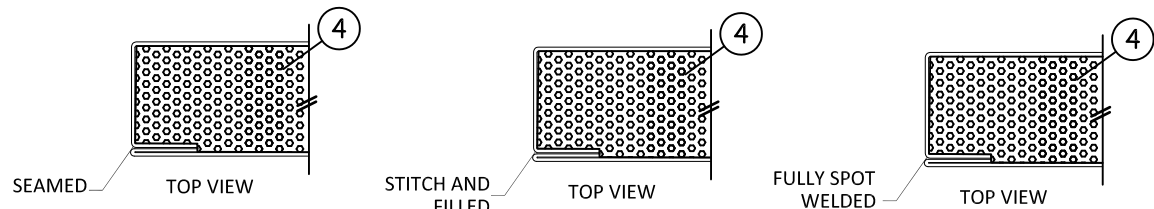
DATE: 06.10.20
DWN BY: ER
CHK BY: HFN
SCALE: NTS

DWG #: **DOR009**

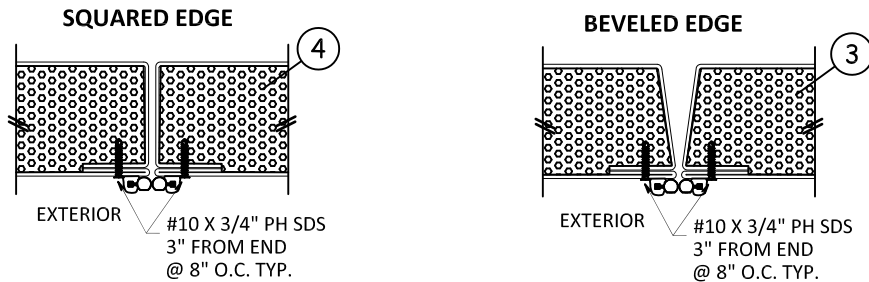
SHEET: **3 OF 12**

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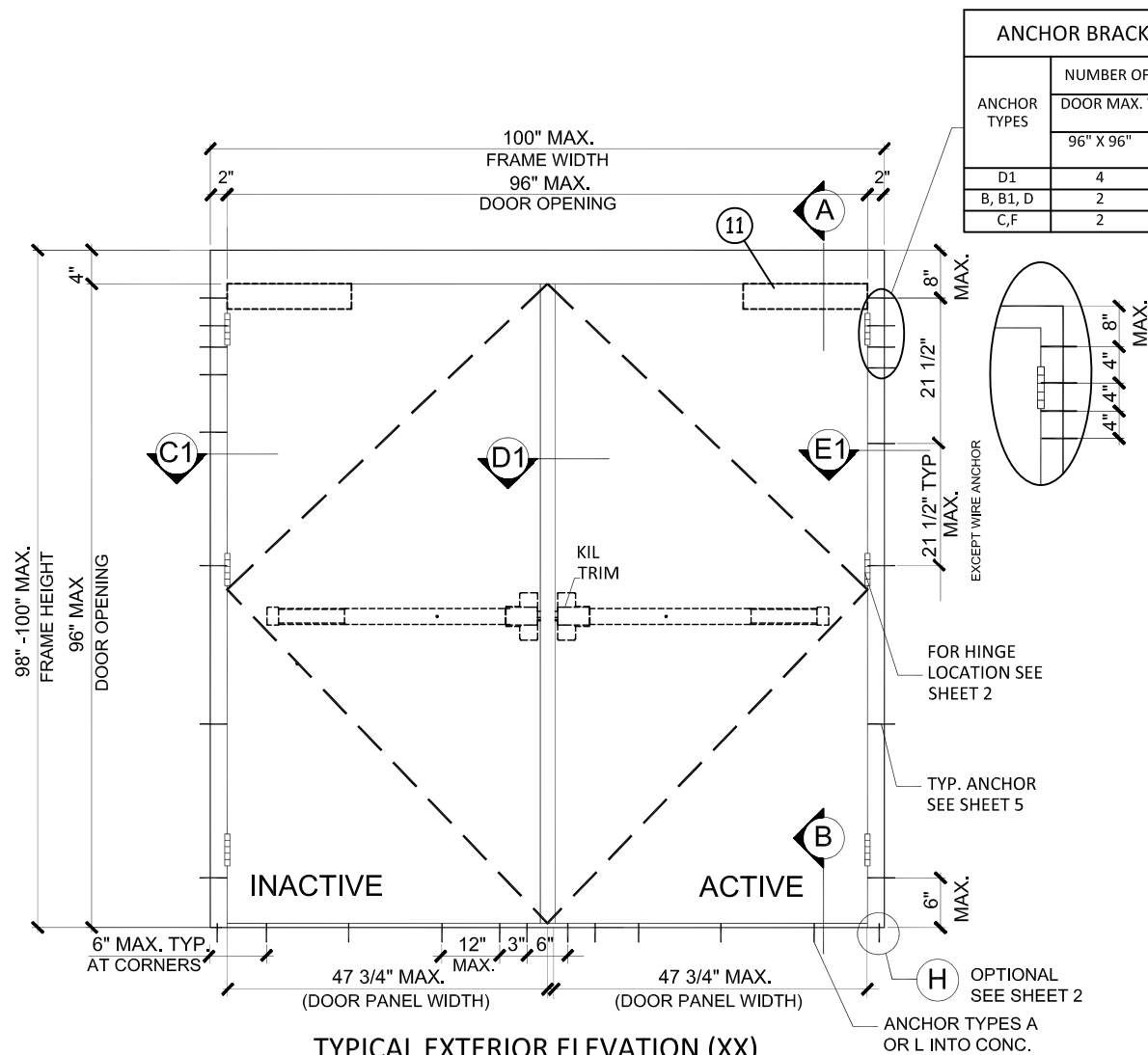
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DOOR EDGE SEAM OPTIONS

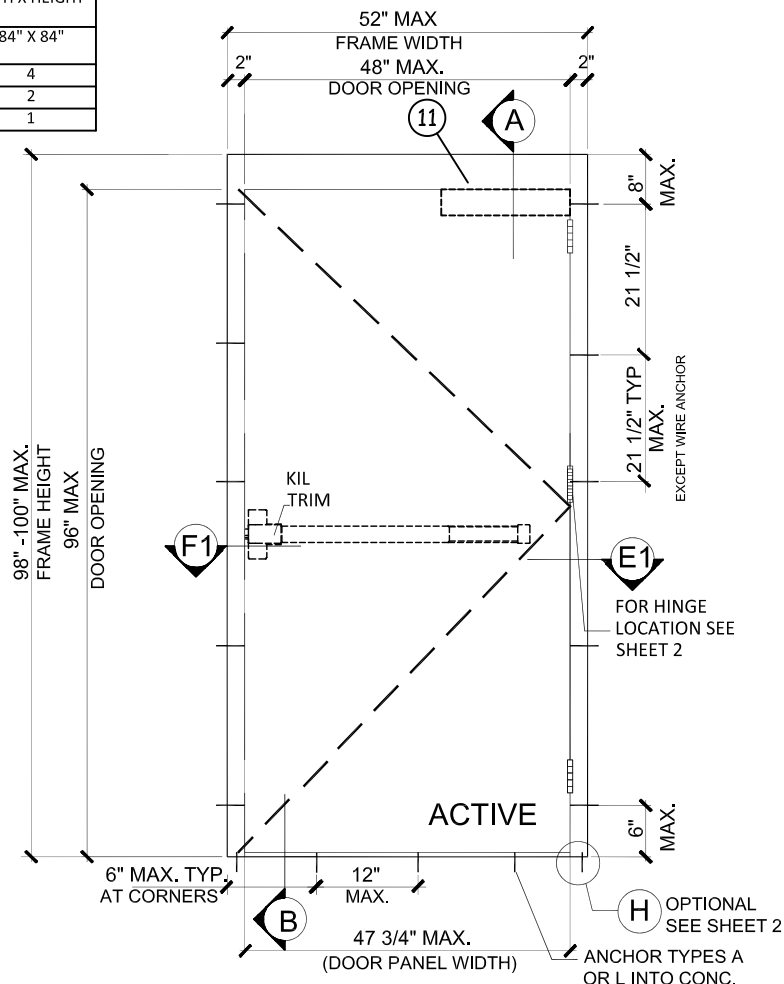


DOOR EDGE OPTIONS



TYPICAL EXTERIOR ELEVATION (XX)
(DOUBLE PANEL OUTSWING GLAZED DOOR)
(RIM PANIC LOCK OPTION 4 SEE SHEET 9)
WITH MULLION

| ANCHOR BRACKET TYPE A | | |
|-----------------------|--------------------------|-----------|
| ANCHOR TYPES | NUMBER OF ANCHOR REQ'D | |
| | DOOR MAX. WIDTH X HEIGHT | |
| | 96" X 96" | 84" X 84" |
| D1 | 4 | 4 |
| B, B1, D | 2 | 2 |
| C,F | 2 | 1 |



TYPICAL EXTERIOR ELEVATION (X)
(SINGLE PANEL OUTSWING GLAZED DOOR)
(RIM PANIC LOCK OPTION 4 SEE SHEET 9)

| DESIGN LOADS (FOR SIZES SHOWN ABOVE OR SMALLER) AS PERMITTED BY FBC |
|---|
| +65.0 PSF -65.0 PSF |

NOTES:
CONTINUOUS HINGE OR BB5 HINGE
ACCEPTABLE ON ALL OPTIONS.
FOR PANEL HINGE OPTIONS.
FOR PANEL HINGE OPTIONS SEE
SHEET 5.
FOR DOOR EDGE AND EDGE SEAM
OPTIONS SEE SHEET 4

PRODUCT REVISED
as complying with the Florida
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NOA-No. 20-0708.03
Expiration Date 07/16/2025
By Isaac I. Chan
Miami-Dade Product Control



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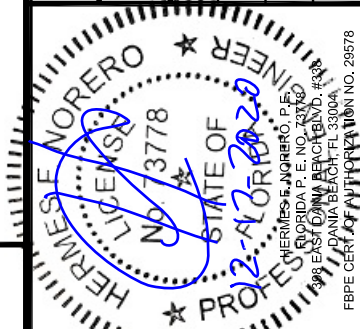
TITLE: N SERIES OUTSWING STEEL
OPAQUE DOOR

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

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

REVISIONS

| NO. | DESCRIPTION | BY | DATE |
|-----|-----------------|----|----------|
| A | 2020 FBC UPDATE | SM | 12/15/20 |
| | | | |
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|-------------------|---------------|----------------|---------------|
| DATE: 06.10.20 | DWN BY: ER | CHK BY: HFN | SCALE: NTS |
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DWG #:

DOR009

SHEET: **4 OF 12**

projects\mesker door, inc\md-19-0225 - md submittal - noa renewal - n series outswing steel doors - lmi\dwgs\opaque door\door009 06.10.20.dwg

TYPE F 5/16" DIA. SMS OR MACHINE BOLTS (MIN. GRADE 2 CRS) OR ST/ST
INTO METAL STRUCTURES
 STEEL: Fy=36 KSI MIN. 1/4" MIN. THK.
 ALUMINUM: 6063-T5, 1/4" MIN. THK.


Diagram of a bent reinforcement bar with dimensions:

- Top horizontal segment: $9\frac{1}{2}"$ MIN.
- Bottom horizontal segment: $6\frac{7}{8}"$ MIN.

SHEET: 5 OF 12

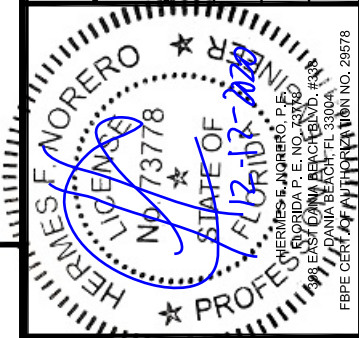
TITLE: N SERIES OUTSWING STEEL
OPAQUE DOOR

PREPARED BY:

 BUILDING DROPS, INC.
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| REVISIONS | | | |
|-----------|-----------------|----|----------|
| NO. | DESCRIPTION | BY | DATE |
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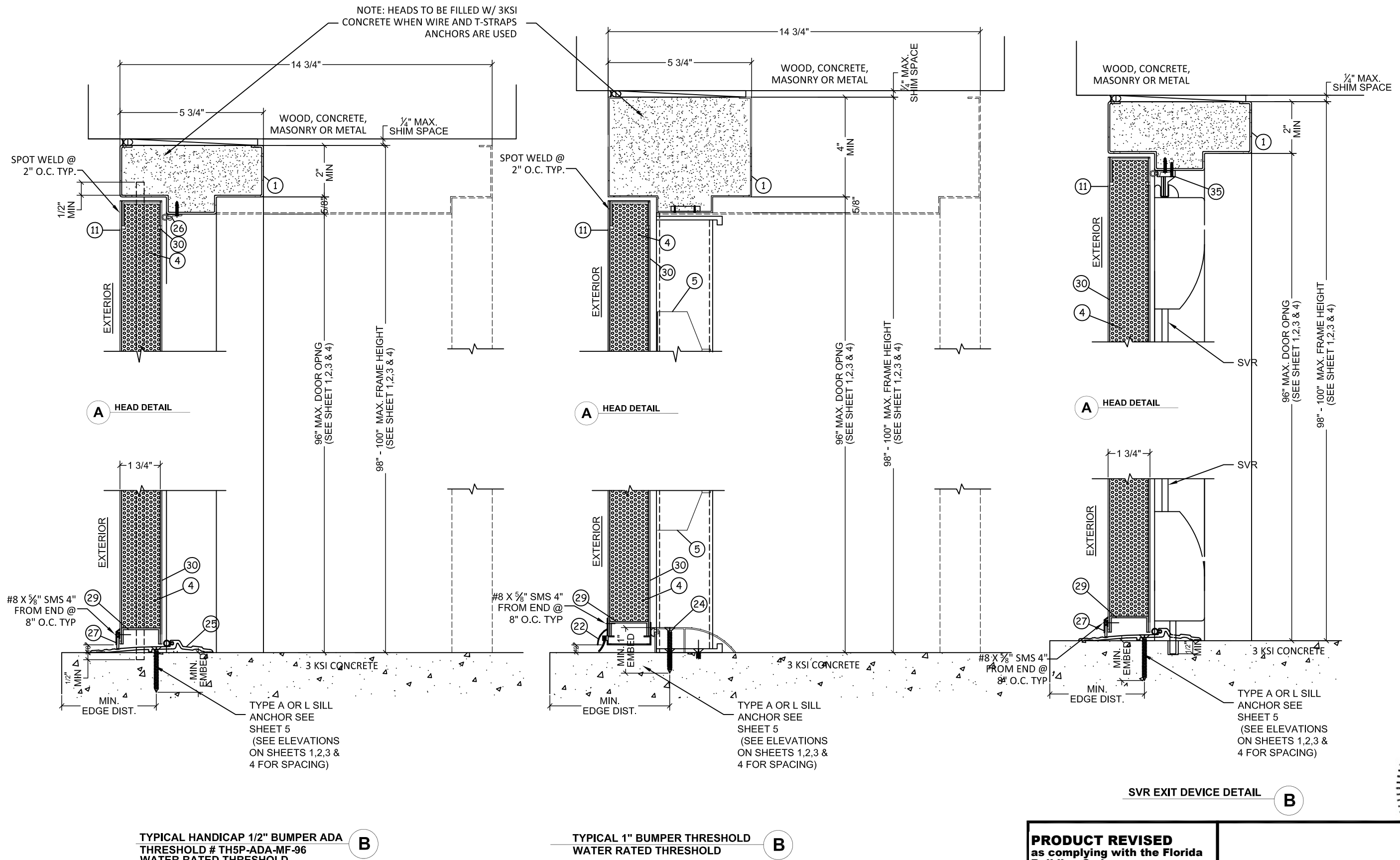


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|---------|----------|
| DATE: | 06.10.20 |
| DWN BY: | ER |
| CHK BY: | HFN |
| SCALE: | NTS |

DWG #:

DOR009

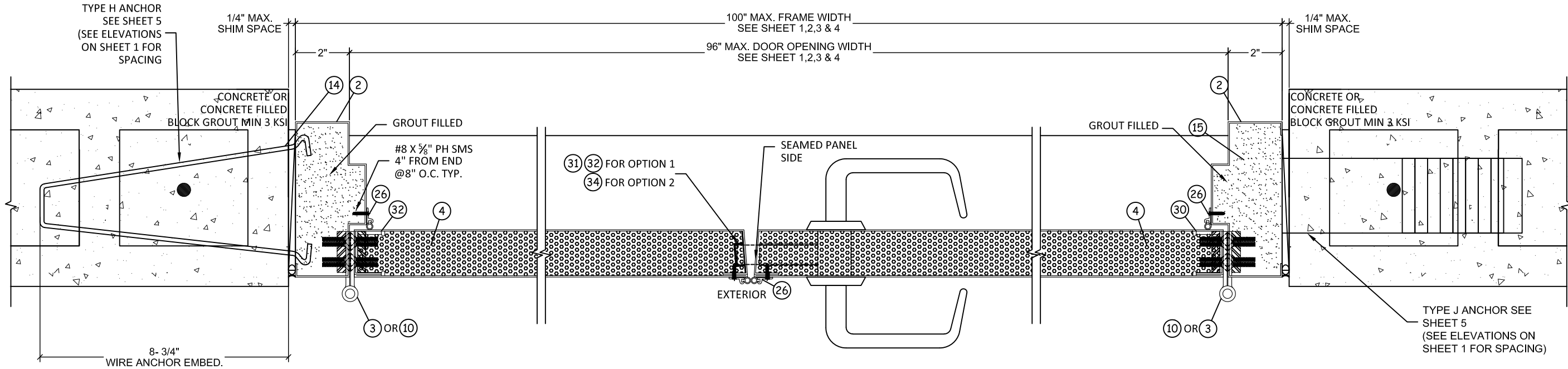
SHEET: 6 OF 12



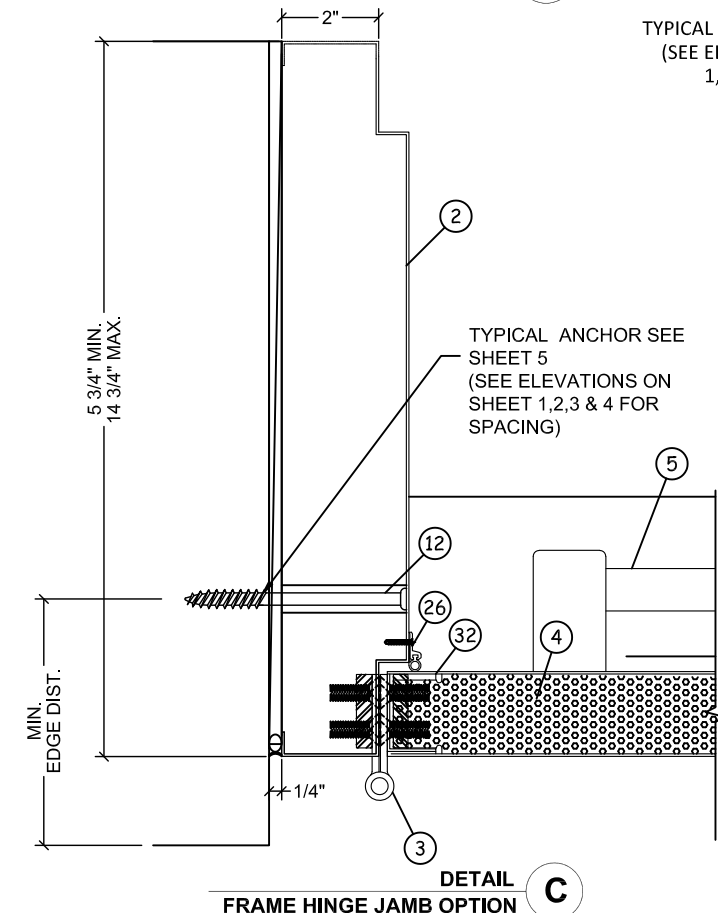
PRODUCT REVISED
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Building Code
NOA-No. 20-0708.03
Expiration Date 07/16/2025
By Ishaq I. Chande
Miami-Dade Product Control

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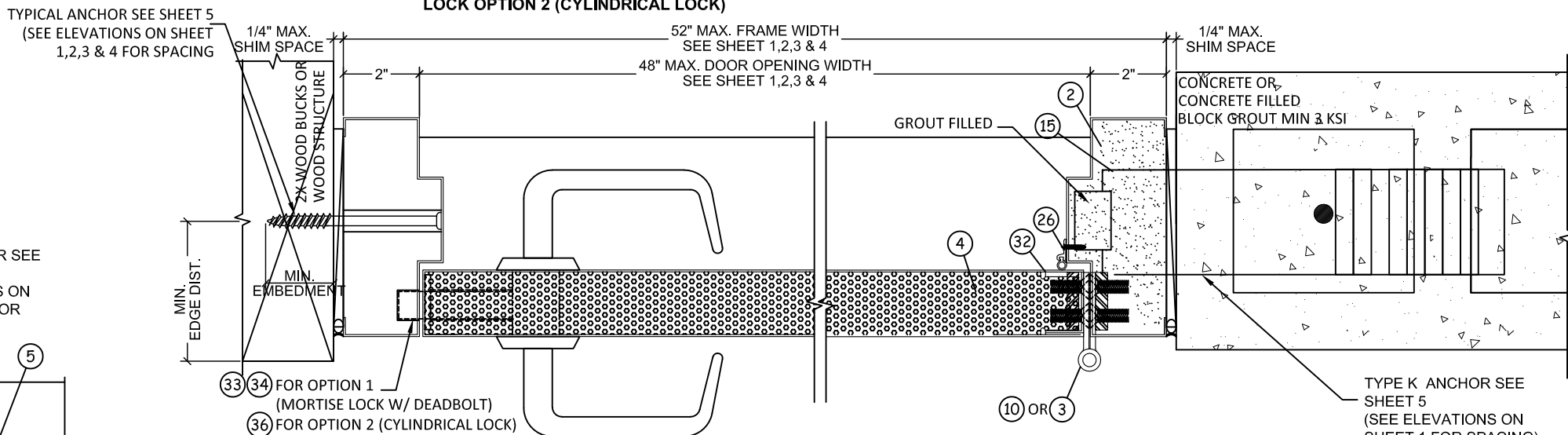
s:\projects\mesker door, inc.\md-19-0225 - md submitted - noa renewal - n series outswing steel doors - lmi\dwgs\opaque door\door09 06.10.20.dwg



DETAIL C



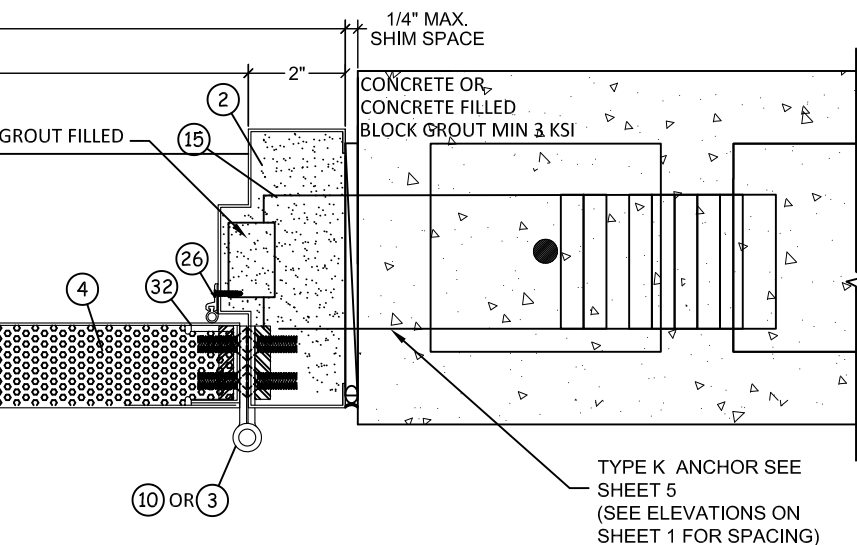
DETAIL D
LOCK OPTION 1 (MORTISE LOCK W/ DEADBOLT)
LOCK OPTION 2 (CYLINDRICAL LOCK)



DETAIL F
LOCK JAMB
SINGLE DOOR

SEAMED PANEL SIDE NOTE:
ALL OPENINGS CAN BE SEAMED OR SEAMLESS.
ALL OPENINGS CAN BE SQ. EDGE OR BEVELED EDGE

DETAIL E



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By *Isaac L. Chan*
Miami-Dade Product Control



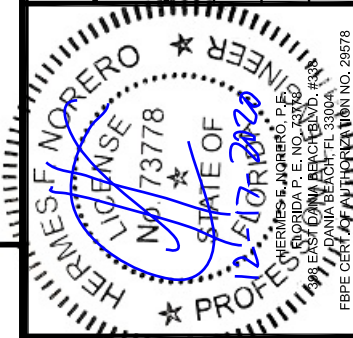
MESKER DOOR a division of
dormakaba USA Inc.
3440 Stanwood Blvd.
Huntsville, AL 35811
PH: (256) 851-6670 FX: (800) 503-1410

TITLE: N SERIES OUTSWING STEEL
OPAQUE DOOR

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 389-8478 FX: (954) 744-4738

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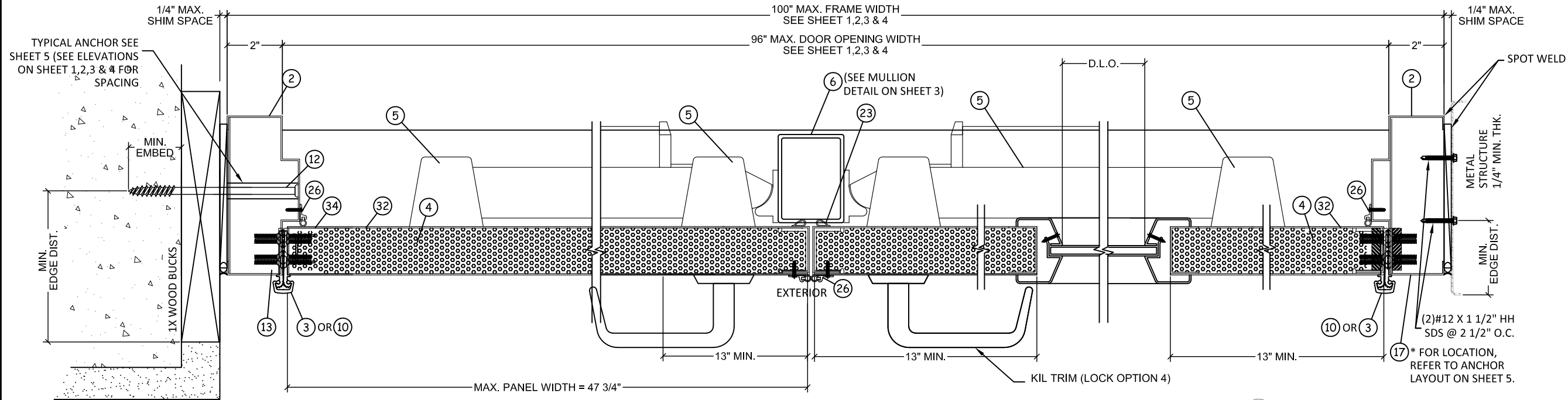


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DOR009
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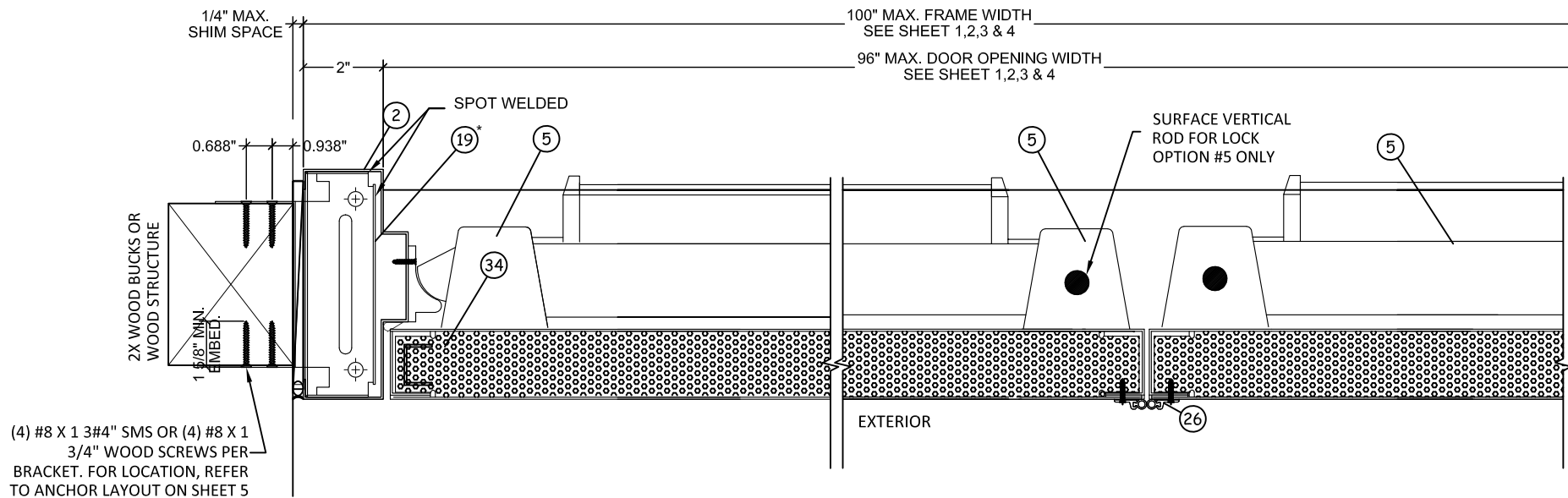
s:\projects\mesker door, inc.\md-19-0225 - md submittal - noa renewal - n series outswing steel doors - lmi\dwg\opaque door\dor009 06.10.20.dwg



DETAIL C1
FRAME HINGE JAMB OPTION

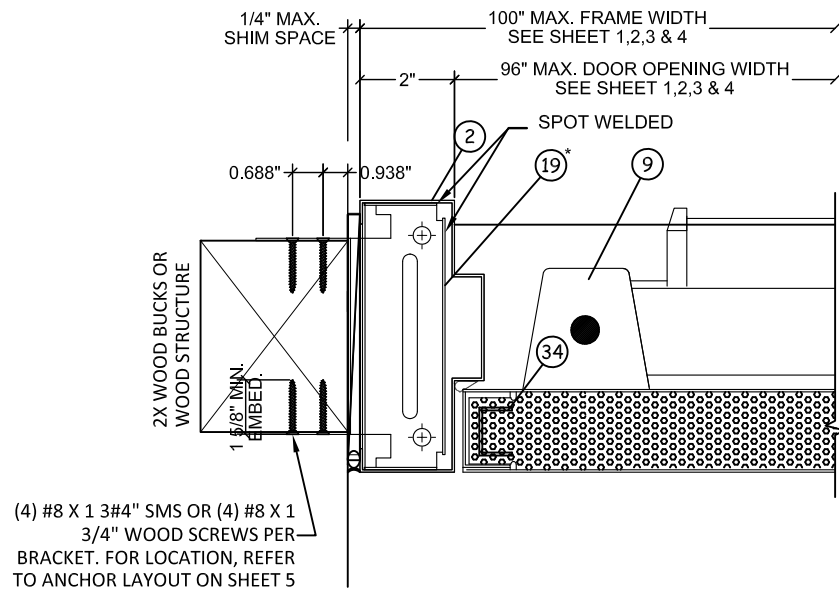
DETAIL D

DETAIL E1

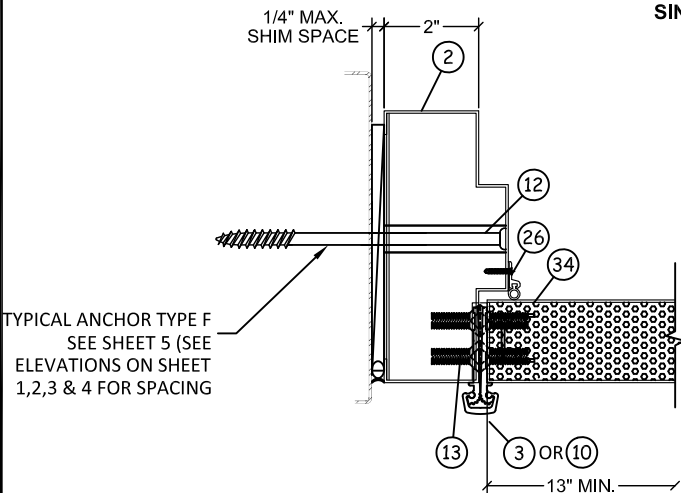


DETAIL F1
RIM EXT. LOCK JAMBS
SINGLE DOORS

DETAIL D2
RIM EXT. LOCK JAMBS
DOUBLE DOORS



DETAIL F1
RIM EXT. LOCK JAMBS
SINGLE DOORS



DETAIL C1
FRAME HINGE JAMB OPTION

* NOTE:
WOOD OR STEEL STRUCTURAL MEMBERS OF WOOD AND
STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT
LEAST 271 LB/FT FOR DOORS RATED @ 65 PSF.

PRODUCT REVISED
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NOA-No. 20-0708.03
Expiration Date 07/16/2025
By *Isaac I. Chan*
Miami-Dade Product Control



MESKER DOOR a division of
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3440 Stanwood Blvd.
Huntsville, AL 35811

PH: (256) 851-6670 FX: (800) 503-1410

TITLE: N SERIES OUTSWING STEEL
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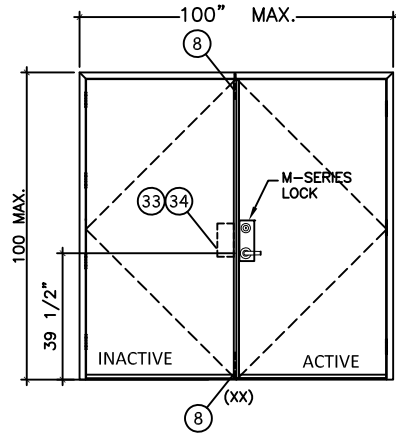
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DOR009
SHEET: **8 OF 12**

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HARDWARE/LOCK OPTIONS

ACTIVE DOOR HARDWARE CAN APPLY TO SINGLE DOORS
(EXTERIOR ELEVATIONS - OUTSWING DOORS)



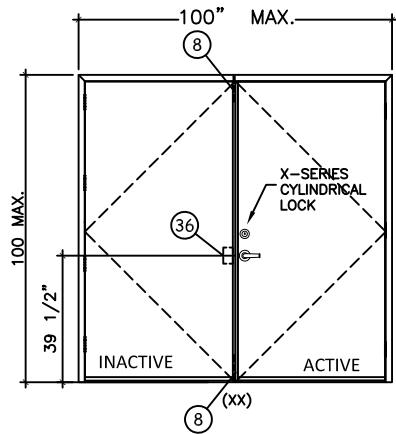
OPTION 1

ACTIVE LEAF:

DESIGN HARDWARE M SERIES EXTRA HEAVY DUTY (GRADE 1) MORTISE LOCK WITH (2) 8-32 X 1 1/8" FH MS, LATCH = SS 3/4" THROW, DEADBOLT = SS 1" THROW

INACTIVE LEAF:

DESIGN HARDWARE UL-MFB-M FLUSH BOLTS WITH (4) 8 X 3/4" FH MULTI THREAD SCREWS, TOP AND BOTTOM, FLUSH MOUNT METALLIC FLUSH BOLT GUIDE WITH (2) #8 X 3/4" FH THREAD SCREWS, FLUSH MOUNT METALLIC STRIKE PLATE, WITH (2) 1/4" X 3/8" FH MS



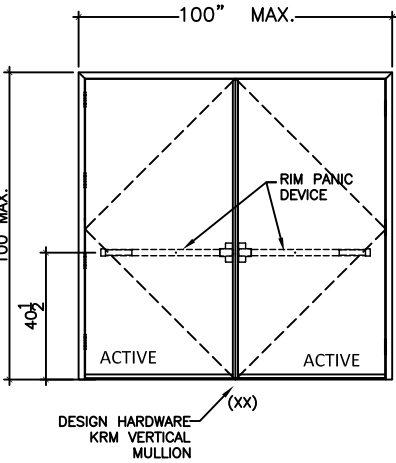
OPTION 2

ACTIVE LEAF:

DESIGN HARDWARE X SERIES (GRADE 1) CYLINDRICAL LOCK, WITH (2) #8 X 3/4" FH THREAD SCREWS AND (2) #10 X 1 9/16" FH MS. LATCH = SS 1/2" THROW

INACTIVE LEAF:

DESIGN HARDWARE UL-MFB-M FLUSH BOLTS, FLUSH MOUNT METALLIC FLUSH BOLT GUIDE, SURFACE MOUNT METALLIC STRIKE PLATE, WITH (4) 8 X 3/4" FH MULTI THREAD SCREWS, TOP AND BOTTOM



OPTION 3

OPTION 3.A

ACTIVE LEAF/INACTIVE LEAF:

DESIGN HARDWARE 2000 SERIES STANDARD DUTY SURFACE MOUNT METALLIC RIM PANIC DEVICE WITH (6) 14 X 1 1/2" FH SDS, RIM PANIC LATCH AT LOCKS = 5/8" THROW. ROLLER STRIKE WITH 5/8" PROJECTION & 1/8" SHIM.

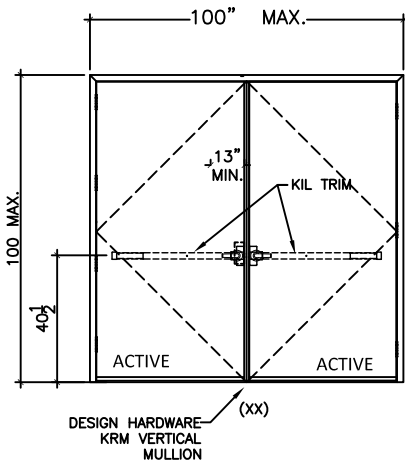
WITH 2" X 3" X 1/8" THICK STEEL VERTICAL TUBE MULLION, FY = 36 KSI MIN.

OPTION 3.B

ACTIVE LEAF/INACTIVE LEAF:

DESIGN HARDWARE 1000 SERIES HEAVY DUTY SURFACE MOUNT METALLIC PANIC DEVICE WITH (5) 14 X 1 1/2" FH SDS, ROLLER STRIKE WITH 5/8" PROJECTION & 1/8" SHIM.

WITH 2" X 3" X 1/8" THICK STEEL VERTICAL TUBE MULLION, FY = 36 KSI MIN.



OPTION 4

OPTION 4.A

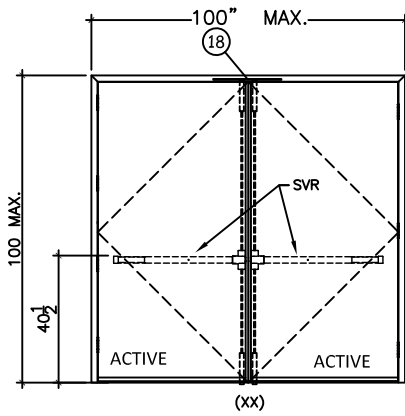
ACTIVE LEAF/INACTIVE LEAF:

DESIGN HARDWARE 2000 SERIES STANDARD DUTY SURFACE MOUNT METALLIC PANIC DEVICE WITH DESIGN KIL TRIM, WITH (4) 14 X 1 1/2" FH SDS, HANDLE WITH (2) #8-36 X 1 1/2" PH MS. WITH 2" X 3" X 1/8" THICK STEEL VERTICAL TUBE MULLION, FY = 36 KSI MIN.

OPTION 4.B

ACTIVE LEAF/INACTIVE LEAF:

DESIGN HARDWARE 1000 SERIES HEAVY DUTY SURFACE MOUNT METALLIC PANIC DEVICE WITH DESIGN KIL TRIM WITH (5) 14 X 1 1/2" FH SDS, HANDLE WITH (2) #8-36 X 1 1/2" PH MS. WITH 2" X 3" X 1/8" THICK STEEL VERTICAL TUBE MULLION, FY = 36 KSI MIN.



OPTION 5

OPTION 5.A

ACTIVE LEAF/INACTIVE LEAF:

DESIGN HARDWARE 2000 SERIES STANDARD DUTY (GRADE 1) SVR SURFACE MOUNT METALLIC 2 POINT LOCK SYSTEM WITH PANIC DEVICE AND VERTICAL RODS ON EXTERIOR WITH (6) 14"-20 X 3/4 PH SMS AND (6) 14-20 X 3/4" FH MS. TOP STRIKE WITH (3) 1/4"-20P X 3/4" FH MS.

OPTION 5.B

ACTIVE LEAF/INACTIVE LEAF:

DESIGN HARDWARE 1000 SERIES HEAVY DUTY (GRADE 1) SVR SURFACE MOUNT METALLIC PANIC DEVICE WITH (2) 14-20" PH MS AND (4) 14 X 1/4" FH SMS, VERTICAL ROD AT TOP AND BOTTOM (2) 14 X 1 1/2" FH SDS. TOP STRIKE WITH (3) 1/4"-20P X 3/4" FH MS.

NOTE:

CONTINUOUS HINGE OR BB5 HINGE ACCEPTABLE ON ALL OPTIONS. FOR PANEL HINGE OPTIONS, SEE SHEET 5.

FOR DOOR EDGE AND EDGE SEAM OPTIONS SEE SHEET 4.

PRODUCT REVISED
as complying with the Florida
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NOA-No. 20-0708.03
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By Ishaq I. Chande
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MESKER DOOR a division of
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3440 Stanwood Blvd.
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PH: (256) 851-6670 FX: (800) 503-1410

TITLE: N SERIES OUTSWING STEEL
OPAQUE DOOR

PREPARED BY:
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398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004

PH: (954) 389-8478 FX: (954) 744-4738

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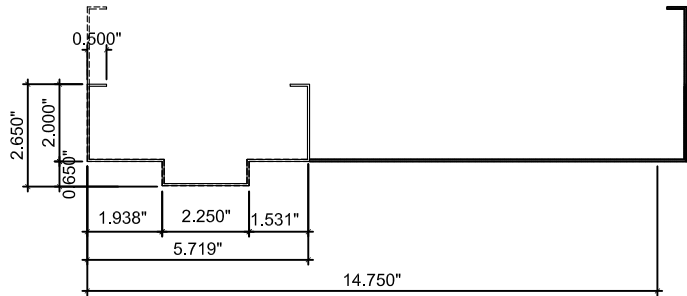


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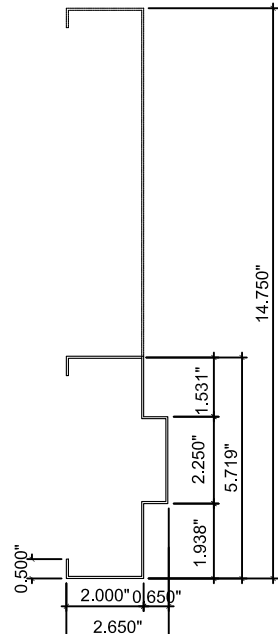
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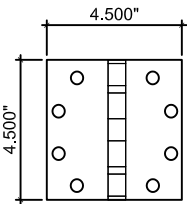
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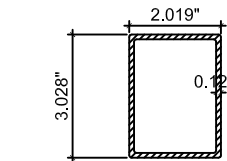
1 FRAME HEAD OPTION
(16 GA 0.060")



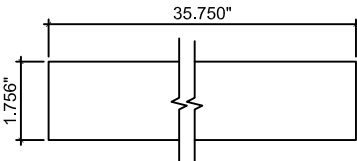
2 JAMB
(16 GA 0.060")



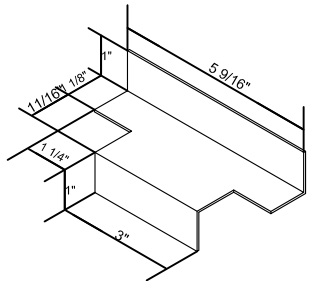
3 STEEL HINGE
0.134" THK. STEEL OR ST/ST



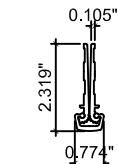
6 KRM REMOVABLE MULLION
STEEL OR ST/ST Fy=36 KSI MIN



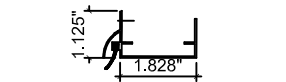
18 STEEL REINFORCEMENT
1.756" X 35 3/4" LG. 16 GA (0.067")



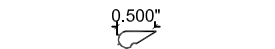
17 Z ANCHOR METAL STUD (PF-9)
TYPE B (16 GA 0.060")



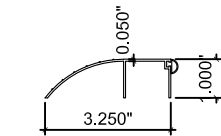
10 CONTINUOUS HINGE
6063-T6



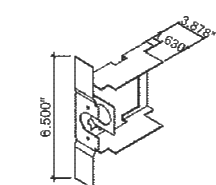
22 DOOR BOTTOM EXTENDER
(OPT)



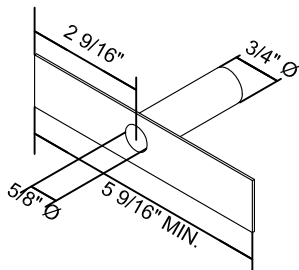
23 SELF-ADHESIVE WEATHER
STRIP



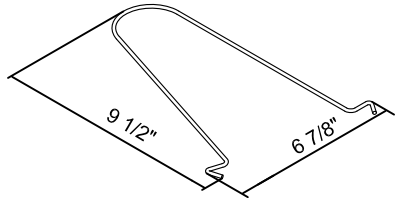
24 1" BUMPER THRESHOLD
6063-T5 ALUM.



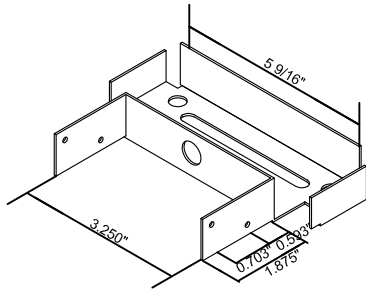
36 CYLINDRICAL LOCK PREPARATION
17 GA (0.054")



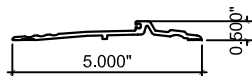
12 TUBE ANCHOR (PF-10)
TYPE A (16 GA 0.060")



14 WIRE ANCHOR (PF-1)
TYPE H (0.182" Ø)
Fy=60 KSI MIN



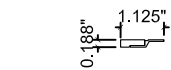
19 WOOD STUD STUD (PF-25)
TYPE C (18 GA 0.048")



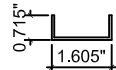
25 HANDICAP 1/2" BUMPER ADA
6063-T5 ALUM.



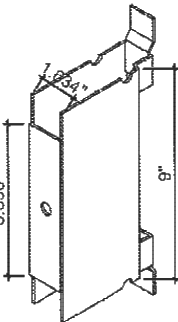
29 DOOR SWEEPS
6063-T5 ALUM.



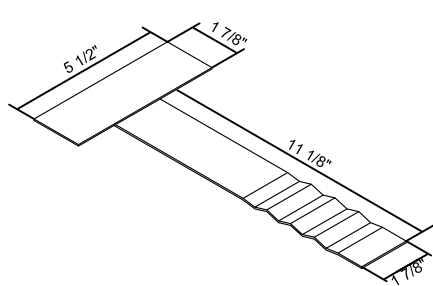
30 MEETING STILE ASTRAGAL



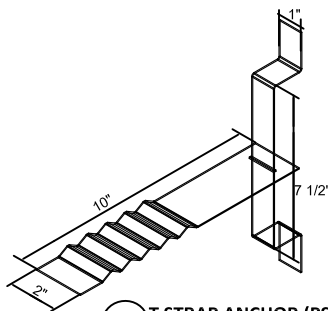
31 STEEL CHANNEL
20 GA. (0.036")
FULL PANEL WIDTH



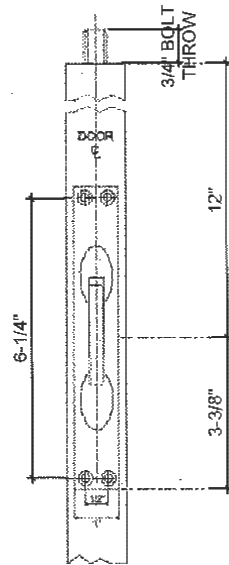
34 MORTISE LOCK (MBN)
14 GA (0.074")



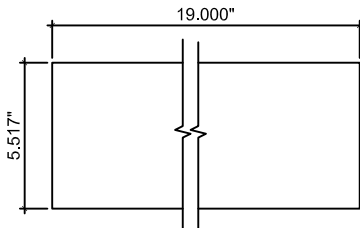
15 T ANCHOR (PF-2)
TYPE J (16 GA 0.060")



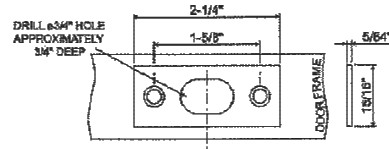
21 T STRAP ANCHOR (PS-241)
TYPE K (16 GA 0.060")



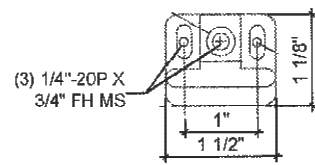
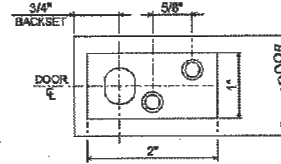
8 FLUSH BOLTS



11 CLOSER REINFORCEMENT
STEEL 16 GA (0.060")



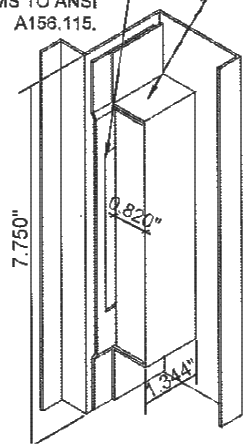
8 FLUSH BOLTS
STRIKE PLATE



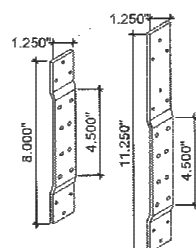
37 SVR TOP STRIKE

A 20 GAUGE STEEL PLASTER
GUARD PROJECTION IS
WELDED TO STRIKE
REINFORCEMENT.

A 16 GAUGE STRIKE
REINFORCEMENT PROJECTION
IS WELDED TO FRAME. STRIKE
MORTISE CONFORMS TO ANSI
A156.115.



35 "U" STRIKE MORTISE
(ASA STRIKE)
21 GA (0.032")



13 HINGE REINFORCEMENT

PRODUCT REVISED
as complying with the Florida
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NOA-No. 20-0708.03
Expiration Date 07/16/2025
By *Ishaq I. Chande*
Miami-Dade Product Control



MESKER DOOR a division of
dormakaba USA Inc.
3440 Stanwood Blvd.
Huntsville, AL 35811

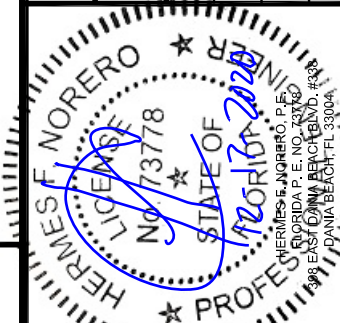
PH: (256) 851-6670 FX: (800) 503-1410

TITLE: N SERIES OUTSWING STEEL
OPAQUE DOOR

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

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DWG #:

DOR009

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| BILL OF MATERIALS | | | | | |
|-------------------|-----------------|----------------|----------|--|---|
| ITEM | PART NO. | MATERIAL | QTY | DESCRIPTION | MANUFACTURER |
| 1 | - | STEEL OR ST/ST | AS REQD. | FRAME JAMB/ HEAD (5 3/4" X 2" OR 5 3/4" X 4" UP TO 14 3/4" DEEP) | MESKER DOOR 16 GA (0.06" MIN) Fy=40.8 KSI MIN. |
| 2 | - | STEEL OR ST/ST | AS REQD. | JAMB | MESKER DOOR 16 GA (0.06" MIN) Fy= 40.8 KSI MIN. |
| 3 | BB5 | STEEL OR ST/ST | AS REQD. | STANDARD WEIGHT BALL BEARING HINGES | DESIGN HARDWARE |
| 4 | - | POLYSTYRENE | AS REQD. | POLYSTYRENE CORE PER CURRENT NOA | CELLOFOAM, BONDED TO INSIDE OF PANEL |
| 5 | 2000, 1000 | STEEL OR ST/ST | AS REQD. | 2000 RM PANIC DEVIES 1000 SERIES OPTIONAL | DESIGN HARDWARE |
| 6 | KRM | STEEL OR ST/ST | 1 | KEY REMOVABLE MULLION | DESIGN HARDWARE |
| 7 | - | STEEL | 1 | X SERIES LOCK (1/2" OR 3/4") | DESIGN HARDWARE |
| 8 | UL-MFB-M | CAST BRASS | 2 | MANUAL FLUSH BOLT | DESIGN HARDWARE |
| 9 | 2000, 1000 | STEEL OR ST/ST | AS REQD. | 2000-V EXIT DEVICES 1000-V SERIES OPTIONAL | DESIGN HARDWARE |
| 10 | - | ALUM. 6063-T6 | AS REQD. | CONTINUOUS GEARED HINGE | DESIGN HARDWARE |
| 11 | - | STEEL | - | FRAME REINFORCEMENT | MESKER DOOR 16 GA (0.060" MIN.) HOT MELT PUR GLUE |
| 12 | TYPE A, PF-10 | STEEL | AS REQD. | TUBE ANCHORS | MESKER DOOR 16 GA (0.060" MIN.) SPOT WELDED TO FRAME |
| 13 | - | STEEL OR ST/ST | AS REQD. | HINGE REINFORCEMENT | MESKER DOOR 7 GA (0.170" MIN.) |
| 14 | TYPE H, PF-1 | STEEL | AS REQD. | WIRE ANCHORS | MESKER DOOR 0.182Ø |
| 15 | TYPE J, PF-2 | STEEL | AS REQD | T ANCHORS | MESKER DOOR 16 GA (0.060" MIN.) TWISTED INTO FRAME |
| 16 | - | STEEL OR ST/ST | AS REQD. | 13/16" X 1 3/4" X .118" THK. STEEL PLATE | MESKER DOOR |
| 17 | TYPE C, PF-9 | STEEL | AS REQD. | Z ANCHORS (METAL STUD) | MESKER DOOR 16 GA (0.060" MIN.) SPOT WELDED TO FRAME |
| 18 | - | STEEL OR ST/ST | AS REQD. | STEEL REINFORCEMENT 1.756" X 35 3/4" | MESKER DOOR 16 GA (0.060" MIN.) SPOT WELDED 14" O.C. |
| 19 | TYPE D, PF-6 | STEEL | AS REQD. | WOOD STUD ANCHORS | MESKER DOOR 18 GA. (0.048" MIN) |
| 20 | - | STEEL | AS REQD. | M SERIES MORTISE LOCK W/ DEADBOLT | DESIGN HARDWARE |
| 21 | TYPE K, PS-241 | STEEL | AS REQD. | T STRAP ANCHOR | MESKER DOOR 16 GA (0.060" MIN.) SPOT WELDED TO FRAME |
| 22 | 95WH | ALUM. 6063-T5 | AS REQD. | DOOR BOTTOM EXTENDER | NATIONAL GUARD PRODUCTS |
| 23 | SS-S | RUBBER | AS REQD. | SELF ADHESIVE WEATHERSTRIP | DESIGN HARDWARE |
| 24 | 646 | ALUM. 6063-T5 | 1 | 1" BUMPER THRESHOLD | DESIGN HARDWARE |
| 25 | #TH5P-ADA-MF-96 | ALUM. 6063-T5 | 1 | HANDICAP 1/2" BUMPER THRESHOLD | DESIGN HARDWARE |
| 26 | PS-V | ALUM. 6063-T5 | AS REQ.D | PERIMETER SEAL- VINYL BULB | DESIGN HARDWARE |
| 27 | SW-R | ALUM. 6063-T5 | AS REQ.D | DOOR SWEEPS | DESIGN HARDWARE |
| 28 | - | - | AS REQ.D | WEATHER STRIP AT MEETING STILE ASTRAGAL - OPTIONAL | DESIGN HARDWARE |
| 29 | - | STEEL OR ST/ST | AS REQ.D | 0.715" X 1.605" X 0.715 STEEL CHANNEL (DOOR PANEL WIDTH) | MESKER DOOR 20 GA (0.036" MIN) SINGLE ROW OF SPOT WELDS 2" O.C. |
| 30 | - | STEEL OR ST/ST | AS REQ.D | DOOR PANELS | MESKER DOOR 18 GA (0.048" MIN.) SPOT WELDED AT EACH END |
| 31 | DP-29 | STEEL OR ST/ST | AS REQ.D | MORTISE LOCK REINFORCEMENT | MESKER DOOR 16 GA (0.060" MIN.) SPOT WELDED AT EACH END |
| 32 | DP-22 | STEEL OR ST/ST | AS REQ.D | MORTISE LOCK (MBN) REINFORCEMENT | MESKER DOOR 14 GA (0.074" MIN.) SPOT WELDED TO EACH END |
| 33 | FP-9 | STEEL OR ST/ST | AS REQ.D | "U" STRIKE MORTISE (ASA STRIKE) | MESKER DOOR 21 GA (0.032" MIN) |
| 34 | DP-23 | STEEL OR ST/ST | AS REQ.D | CYLINDRICAL LOCK PREPARATION | MESKER DOOR 17 GA (0.054" MIN.) SPOT WELDED AT EACH END |
| 35 | - | STEEL OR ST/ST | AS REQ.D | SVR TOP STIKE | DESIGN HARDWARE |

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0708.03
Expiration Date 07/16/2025
By Isaac I. Chan
Miami-Dade Product Control



MESKER DOOR a division of
dormakaba USA Inc.
3440 Stanwood Blvd.
Huntsville, AL 35811

PH: (256) 851-6670 FX: (800) 503-1410

TITLE: N SERIES OUTSWING STEEL
OPAQUE DOOR

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

PH: (954) 389-8478 FX: (954) 744-4738

REVISIONS

| NO. | DESCRIPTION | BY | DATE | | | |
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| | | SM | 12/15/20 | | | |
| A | 2020 FBC UPDATE | | | | | |

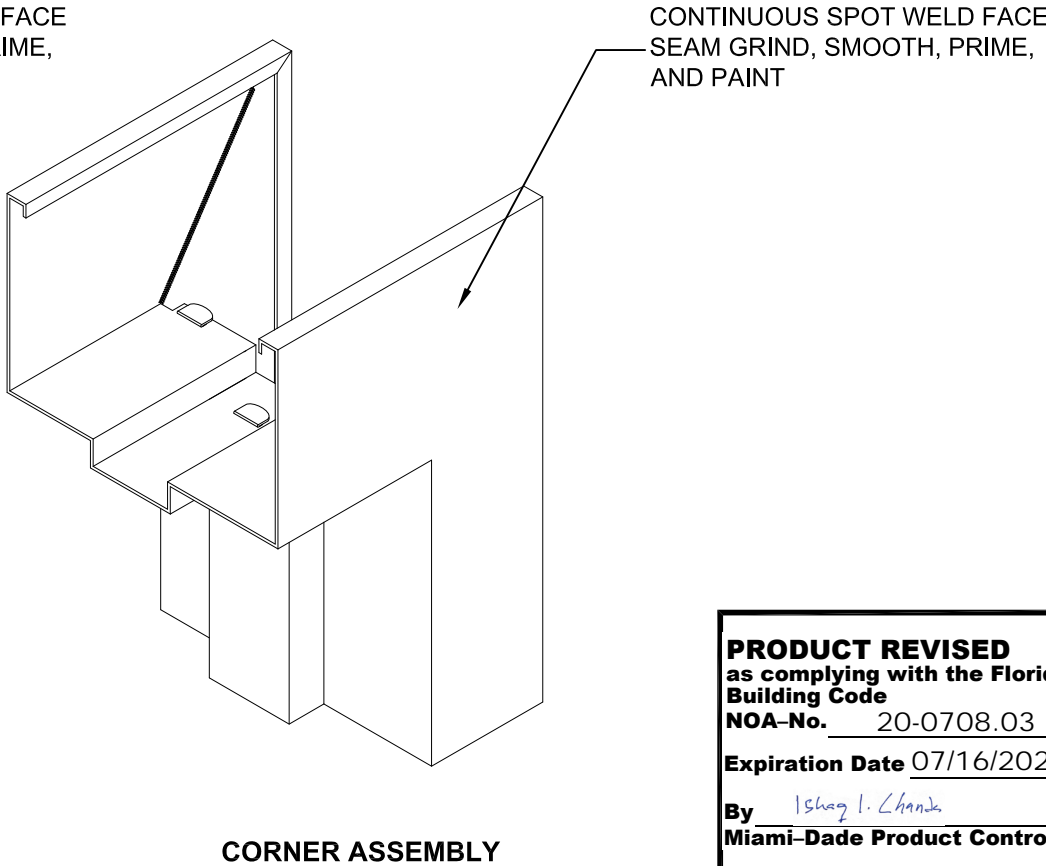
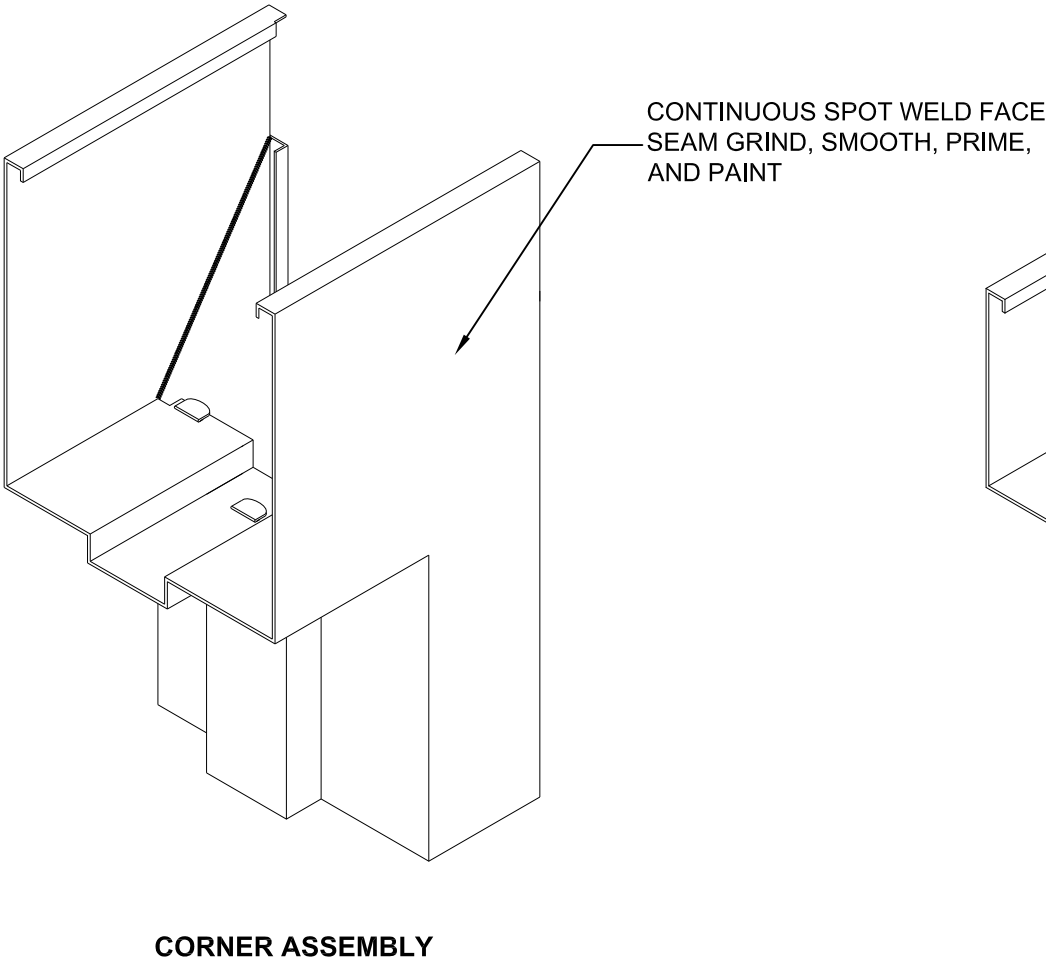
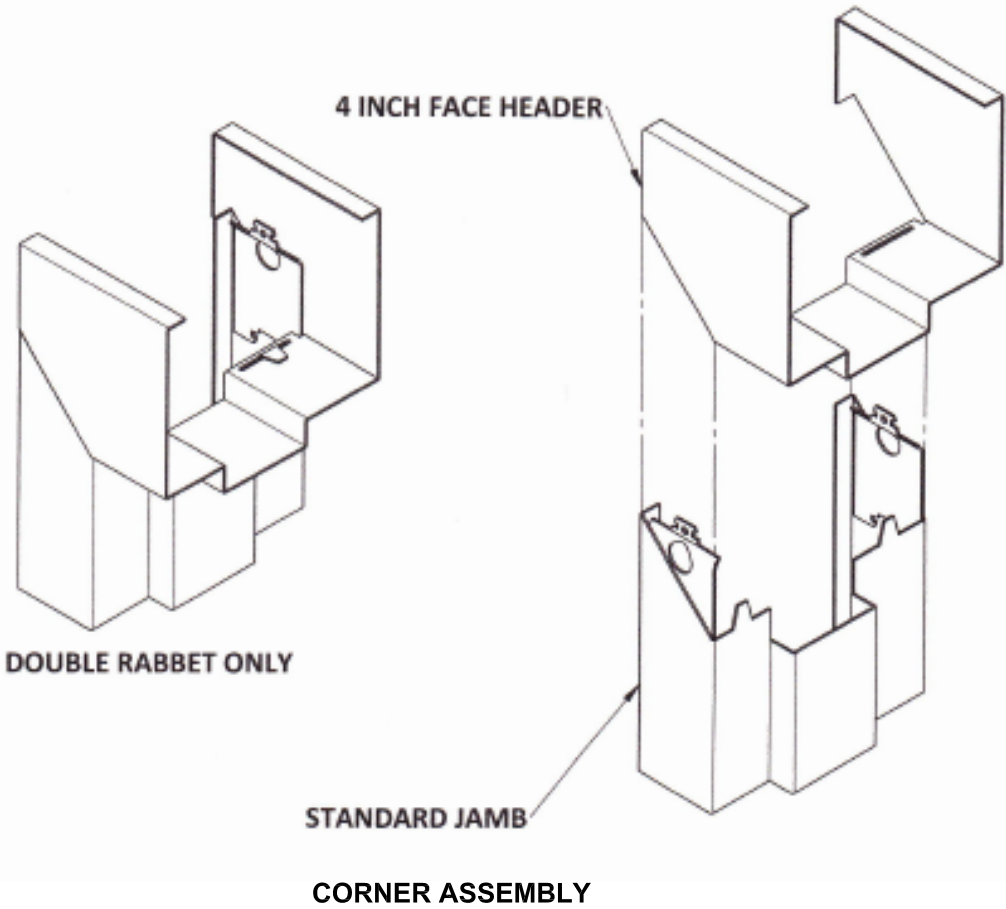
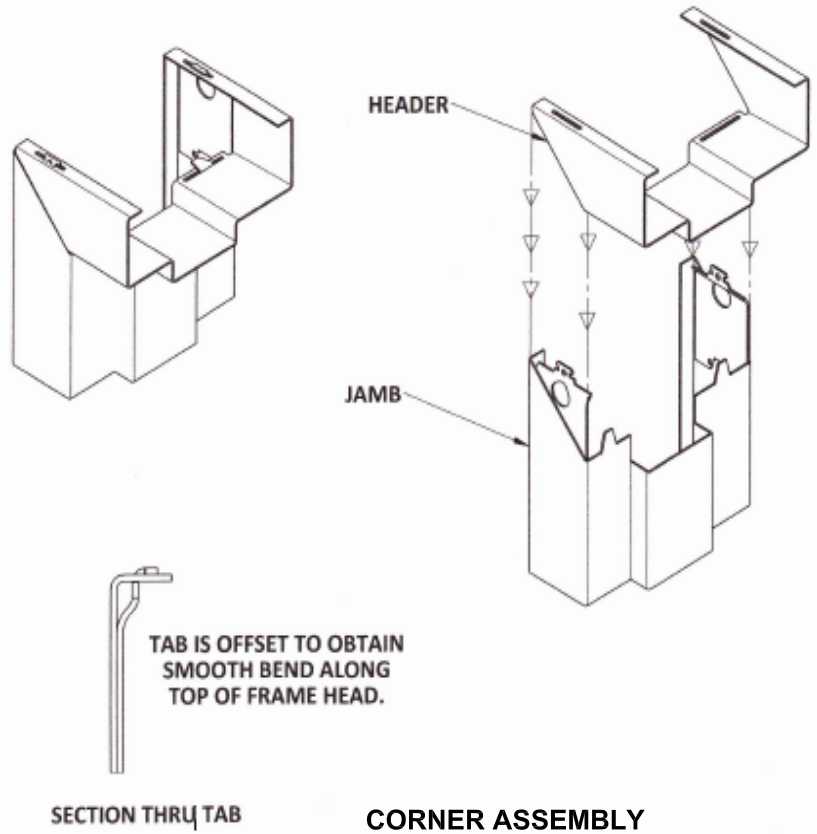


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| DATE: 06.10.20 | DWN BY: ER | CHK BY: HFN | SCALE: NTS |
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DWG #:
DOR009
SHEET: **11** OF **12**

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PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-0708.03
Expiration Date 07/16/2025
By Ishaq I. Chande
Miami-Dade Product Control

MESKER™

MESKER DOOR a division of
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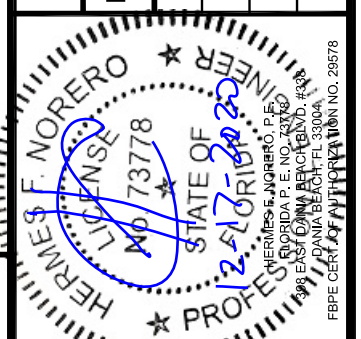
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DWG #:
DOR009

SHEET: **12 OF 12**