



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](http://www.miamidade.gov/economy)

The Bilco Company  
P.O. Box 1203  
New Haven, CT 06505

### 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 S/HZ Steel and Aluminum Roof Hatch

**APPROVAL DOCUMENT:** Drawing titled "S/HZ Door Assy", sheets 1 through 13 of 13, dated 09/01/2019, with revision F dated 09/23/2020, prepared by The Bilco Company, signed and sealed by Hermes F. Norero, P.E. on 09/28/2023, bearing the Miami-Dade County Product Control renewal 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, city, state, model/series and following statement: "Miami-Dade County Product Control Approved", is to be located on each unit.

**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 # **23-0815.19** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5 and E-6, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



  
11/20/24

NOA No. 24-1029.02  
Expiration Date: December 2, 2029  
Approval Date: November 27, 2024  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. Evidence submitted under previous NOA's**

**A. DRAWINGS “Submitted under NOA # 11-0722.10”**

1. Drawing titled “S/NB Door Assembly”, Sheets 1 through 10 of 10, dated 10/15/2009, with last revision dated 07/07/2011, prepared by The Bilco Company, signed and sealed by Mark A. De Stefano, P.E.

**B. TESTS “Submitted under NOA # 08-1219.01”**

1. Test report 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 Test per FBC, TAS 203-94,  
along with marked-up drawings and installation diagram of Series NB50/20 Aluminum and Steel Roof Scuttle, prepared by Certified Testing Laboratories, Test Report No. **1862W**, dated 11/18/2008, signed and sealed by Ramesh Patel, P.E.
2. Test report 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 Test per FBC, TAS 203-94,  
along with marked-up drawings and installation diagram of Series S50/20 Aluminum and Steel Roof Scuttle, prepared by Certified Testing Laboratories, Test Report No. **1862W-1**, dated 11/18/2008, signed and sealed by Ramesh Patel, P.E.
3. Addendum to Test Reports No. **CTLA 1862W/W-1** on Uniform Static Air Pressure Test, Loading per FBC TAS 202-94 and Forced Entry Resistance Test, per FBC, TAS 202-94, dated 03/11/2009, signed and sealed by Ramesh Patel, P.E.

**C. CALCULATIONS “Submitted under NOA # 08-1219.01”**

1. Structural calculations prepared by De Stefano Engineering Group PL, dated 01/15/2009, signed and sealed by Mark A. de Stefano, 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 # 14-0708.07”**

1. Statement letter of code conformance to 5<sup>th</sup> edition (2014) FBC issued by De Stefano Engineering Group PL, dated 11/06/2014, signed and sealed by Mark A. de Stefano, P.E.
2. Distributor agreement dated 12/12/2014.



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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No. 24-1029.02**  
**Expiration Date: December 2, 2029**  
**Approval Date: November 27, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. Evidence submitted under NOA #18-0226.04**

**A. DRAWINGS**

1. None.

**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 **FBC 6<sup>th</sup> Edition (2017)**, dated February 14, 2018, issued and prepared by De Stefano Engineering Group PL, signed and sealed by Mark A. de Stefano, P.E.



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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No. 24-1029.02**  
**Expiration Date: December 2, 2029**  
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**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. Evidence submitted under NOA # 19-1029.10**

**A. DRAWINGS**

1. Drawing titled “S/HZ Door Assy”, sheets 1 through 13 of 13, dated 09/01/2019, with revision E dated 11/20/2019, prepared by The Bilco Company, signed and sealed by Hermes F. Norero, P.E. on 12/05/2019.

**B. TESTS**

1. Test report 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 Test per FBC, TAS 203-94  
6) Forced Entry Resistance Test, per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of a S-50 (36”x 30”) Aluminum Roof Hatch/Single Door, prepared by Element Materials Technology, Test Report No. **ESP031195P.1Rev S-50**, dated 09/04/2019, with revision dated 11/19/2019, signed and sealed by Jason R. Steen, P.E.
2. Test report 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 Test per FBC, TAS 203-94  
6) Forced Entry Resistance Test, per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of a S-20 (36”x 30”) Steel Roof Hatch/Single Door, prepared by Element Materials Technology, Test Report No. **ESP031195P.2Rev S-20**, dated 09/07/2019, with revision dated 11/19/2019, signed and sealed by Jason R. Steen, P.E.
3. Test report 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 Test per FBC, TAS 203-94  
6) Forced Entry Resistance Test, per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of a F-50HZ (48”x 48”) Aluminum Roof Hatch/Single Door, prepared by Element Materials Technology, Test Report No. **ESP031195P.3Rev F-50HZ**, dated 09/10/2019, with revision dated 11/19/2019, signed and sealed by Jason R. Steen, P.E.



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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No. 24-1029.02**  
**Expiration Date: December 2, 2029**  
**Approval Date: November 27, 2024**



**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**B. TESTS (Continued)**

4. Test report 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 Test per FBC, TAS 203-94  
6) Forced Entry Resistance Test, per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of a F-20HZ (48"x 48") Steel Roof Hatch/Single Door, prepared by Element Materials Technology, Test Report No. **ESP031195P.4Rev F-20HZ**, dated 09/10/2019, with revision dated 11/19/2019, signed and sealed by Jason R. Steen, P.E.
5. Test report 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 Test per FBC, TAS 203-94  
6) Forced Entry Resistance Test, per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of a L-50HZ (30"x96") Aluminum Roof Hatch/Single Door, prepared by Element Materials Technology, Test Report No. **ESP031195P.5Rev L-50HZ**, dated 09/13/2019, with revision dated 11/19/2019, signed and sealed by Jason R. Steen, P.E.
6. Test report 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 Test per FBC, TAS 203-94  
6) Forced Entry Resistance Test, per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of a L-20HZ (30"x96") Steel Roof Hatch/Single Door, prepared by Element Materials Technology, Test Report No. **ESP031195P.6Rev L-20HZ**, dated 09/13/2019, with revision dated 11/19/2019, signed and sealed by Jason R. Steen, P.E.



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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No. 24-1029.02**  
**Expiration Date: December 2, 2029**  
**Approval Date: November 27, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS**

1. Product evaluation report prepared by Building Drops, Inc., dated 10/23/2019, signed and sealed by Hemes F. Norero, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **18-0523.03** issued to Blue Ridged Fiberboard, Inc., for their **Structodek High Density Fiberboard Roof Insulation**, approved on 09/06/2018 and expiring on 09/18/2013.

**F. STATEMENTS**

1. Statement letter of code conformance to the 6<sup>th</sup> edition (2017) FBC issued by Building Drops, Inc., dated 10/21/2019, signed and sealed by Hermes F. Norero, P.E.



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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No. 24-1029.02**  
**Expiration Date: December 2, 2029**  
**Approval Date: November 27, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. Evidence submitted under NOA # 20-1104.24, # 23-0815.19 and new**

**A. DRAWINGS**

1. Drawing titled “S/HZ Door Assy”, sheets 1 through 13 of 13, dated 09/01/2019, with revision F dated 09/23/2020, prepared by The Bilco Company, signed and sealed by Hermes F. Norero, P.E. on 09/28/2023.

**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.

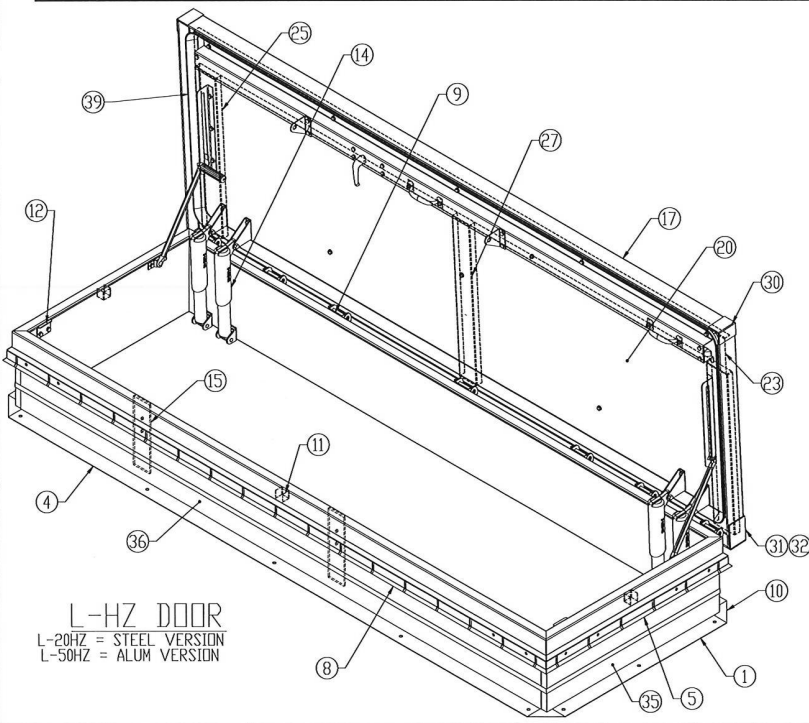
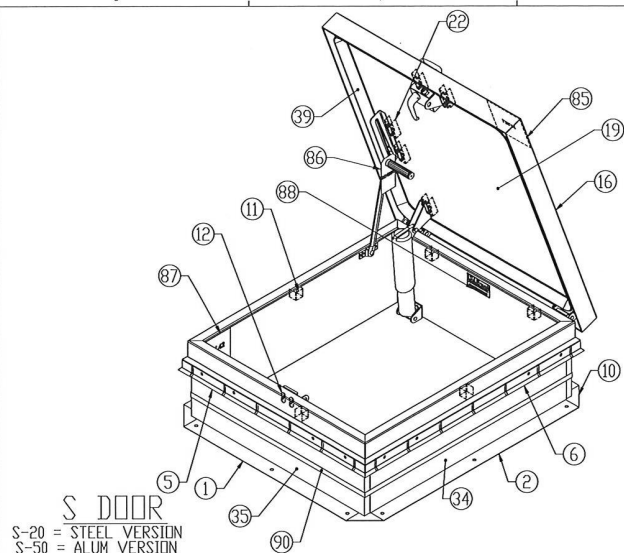
**F. STATEMENTS**

1. Statement letter of code conformance to the 8th edition (2023) of the FBC and of no financial interest, issued by Building Drops, Inc., dated 09/13/2024, signed and sealed by Hermes F. Norero, P.E.
2. Statement letter of code conformance to the 8th edition (2023) of the FBC and of no financial interest, issued by Building Drops, Inc., dated 06/16/2023, signed and sealed by Hermes F. Norero, P.E.
3. Statement letter of code conformance to the 7th edition (2020) FBC and of no financial interest issued by Building Drops, Inc., dated 09/15/2020, signed and sealed by Hermes F. Norero, P.E.



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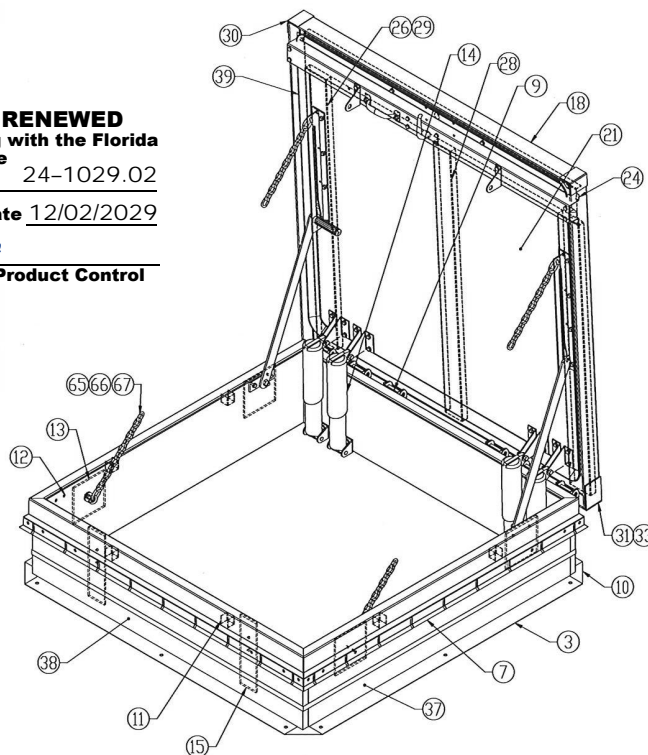
**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No. 24-1029.02**  
**Expiration Date: December 2, 2029**  
**Approval Date: November 27, 2024**



**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-1029.02

Expiration Date 12/02/2029

By *[Signature]*  
Miami-Dade Product Control



**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0815.19

Expiration Date 12/02/2024

By *[Signature]*  
Miami-Dade Product Control

**NOTES:**

- 1) THE DESIGNS CONTAINED HEREIN ARE DESIGNED AND TESTED IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE; TEST PROTOCOL TAS-201, TAS-202, TAS-203.
- 2) THE SHORT TERM LOAD FACTOR HAS NOT BEEN USED.
- 3) FOR THE S-DOOR; PRODUCT APPROVED UP TO AN INSIDE AREA OF 7.5 SF (WIDTH X LENGTH ≤ 7.5 SF). CUSTOM SIZED DOORS ARE NAMED SS-TYPE DOORS.
- 4) FOR THE F-HZ DOOR; PRODUCT APPROVED UP TO AN INSIDE AREA OF 16 SF (WIDTH X LENGTH ≤ 16 SF). CUSTOM SIZED DOORS ARE NAMED SS-HZ TYPE DOORS.
- 5) FOR THE L-HZ DOOR; PRODUCT APPROVED UP TO AN INSIDE AREA OF 20 SF (WIDTH X LENGTH ≤ 20 SF). CUSTOM SIZED DOORS ARE NAMED SS-HZ TYPE DOORS.
- 6) IF DIFFERENT CONDITIONS EXIST OTHER THAN SHOWN ON THIS DOCUMENT THEN PLEASE CONTACT BILCO OR A FLORIDA LICENSED ENGINEER FOR CONSULTATION.
- 7) ALL LABELS TO BE LOCATED IN APPROXIMATE LOCATIONS AS SHOWN.

S-TYPE DOOR		
DESIGN PRESSURE RATING	IMPACT RATING	WATER PENETRATION
+/- 100 PSF	LARGE MISSILE IMPACT	100% DP WITH ZERO WATER PENETRATION

F-HZ TYPE DOOR		
DESIGN PRESSURE RATING	IMPACT RATING	WATER PENETRATION
+/- 70 PSF	LARGE MISSILE IMPACT	100% DP WITH ZERO WATER PENETRATION

L-HZ TYPE DOOR		
DESIGN PRESSURE RATING	IMPACT RATING	WATER PENETRATION
+/- 70 PSF	LARGE MISSILE IMPACT	100% DP WITH ZERO WATER PENETRATION

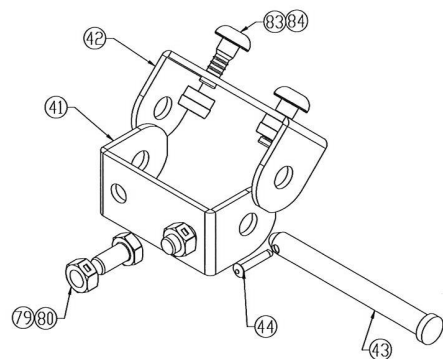
F	2020 FBC UPDATE	SIM	09-23-20
E	CORRECT ITEM 77 & 78 BOLT LENGTH	DJC	11-20-19
D	UPDATE NOTES	DJC	10-23-19
C	ADD ALUM (50) VERSIONS TO BOM	DJC	10-22-19
B	ADD NOTES & ANCHORING OPTIONS	DJC	10-18-19
A	NEW RELEASE	DJC	10-04-19
REV.	DESCRIPTION	BY	DATE

UNLESS OTHERWISE SPECIFIED: REMOVE ALL BURRS & SHARP CORNERS DIMENSION TOLERANCES XXXX +/- .010 XXX +/- .015 XX +/- .030 ANGLES FRACTIONS +/- 1/32 INTERPRET GEOMETRIC TOLERANCING PER:		NAME/#	DATE	<b>THE BILCO COMPANY</b> P.O. Box 1203 (203) 934-6363 www.bilco.com New Haven, Connecticut 06505 Fax (203) 933-8478 e-mail: bilco@bilco.com	
MATERIAL		DRAWN	DJC		
FINISH		DRG. AUTHOR	DJC		
DO NOT SCALE DRAWING		DRG. ECR			
		D.A.		TITLE:	
		3RD-ANGLE PROJECTION		S & HZ DOOR ASSY ISOMETRIC VIEWS	
				SIZE	DRG. NO.
				B	S/HZ DOOR ASSY
				SCALE: NTS	WEIGHT:
				SHEET 1 OF 13	

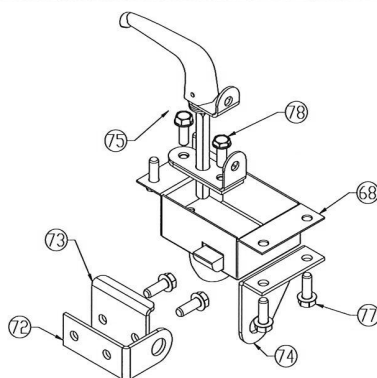
HERMES F. NORERO, P.E.  
FLORIDA P.E. NO. 73778  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION NO. 29578



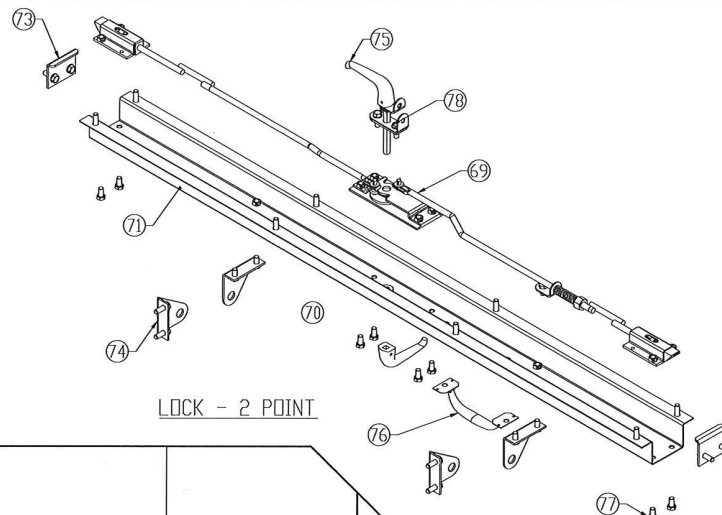




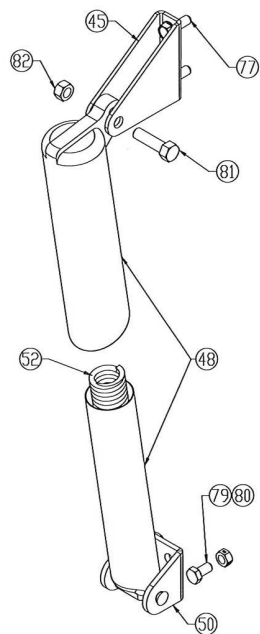
HINGE



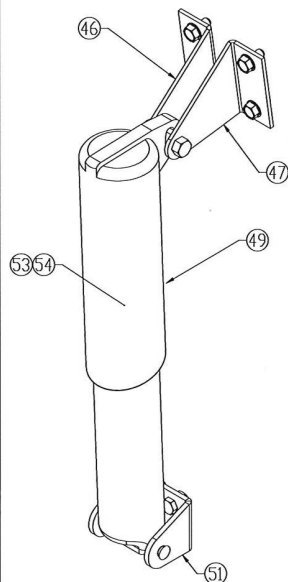
LOCK - SINGLE POINT



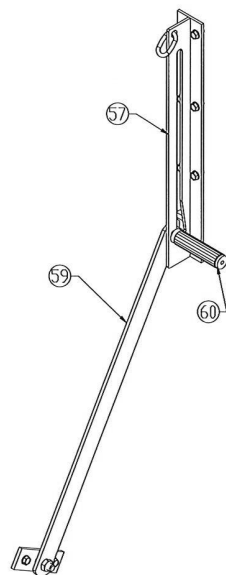
LOCK - 2 POINT



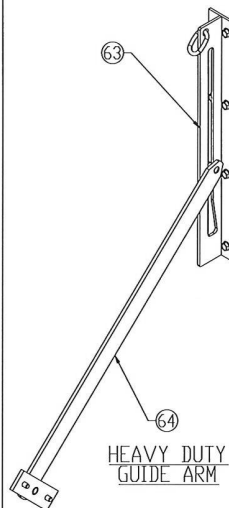
STANDARD  
LIFTING MECHANISM



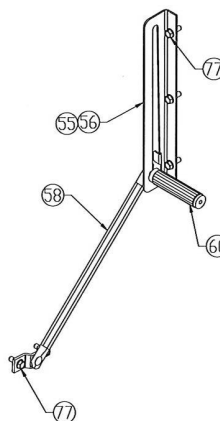
HEAVY DUTY  
LIFTING MECHANISM



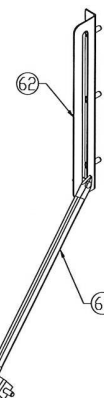
HEAVY DUTY  
HOLD OPEN ARM



STANDARD  
HOLD OPEN ARM



STANDARD  
GUIDE ARM



**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-1029.02

Expiration Date 12/02/2029

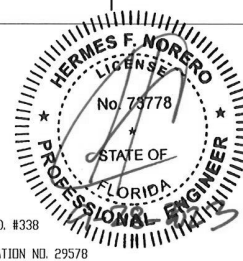
By *[Signature]*  
Miami-Dade Product Control

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0815.19

Expiration Date 12/02/2024

By *[Signature]*  
Miami-Dade Product Control

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



UNLESS OTHERWISE SPECIFIED:  
REMOVE ALL BURRS & SHARP  
EDGES  
DIMENSION TOLERANCES  
XXX 1/2 - .010  
XXX 1/4 - .005  
XXX 1/8 - .003  
XXX 1/16 - .002  
ANGLES 1/2° - 1/32°  
INTERPRET GEOMETRIC  
TOLERANCING PER:

NAME/ID	DATE
DRAWN DJC	9/01/19
DRG. AUTHOR DJC	
DRG. ECR	
D.A.	

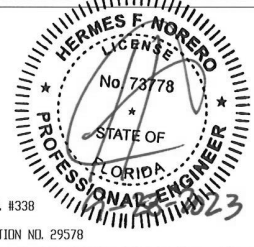
THE BILCO COMPANY	
P.O. Box 1203 (203) 934-6363 www.bilco.com	New Haven, Connecticut 06505 Fax (203) 933-8478 e-mail: bilco@bilco.com
TITLE: S & HZ DOOR ASSY ISOMETRIC VIEWS, SUB-ASSY	
SIZE B	DRG. NO. S/HZ DOOR ASSY
SCALE: NTS	WEIGHT:
SHEET 2 OF 13	

ITEM NO.	PART NO.	DESCRIPTION	S-20	S-50	F-20HZ	F-50HZ	L-20HZ	L-50HZ
<b>FRAME</b>								
1	SD504A	FRAME-RS 30" FORMED, SEE SHEET 8	2	2	-	-	2	2
2	SD505A	FRAME-RS 36" FORMED, SEE SHEET 8	2	2	-	-	-	-
3	SD540	FRAME-RS 48" FORMED, SEE SHEET 8	-	-	4	4	-	-
4	SD523	FRAME-RS 96" FORMED, SEE SHEET 8	-	-	-	-	2	2
5	SD506	FLASHING-RS 30" FORMED, SEE SHEET 9	2	2	-	-	2	2
6	SD507	FLASHING-RS 36" FORMED, SEE SHEET 9	2	2	-	-	-	-
7	SD542	FLASHING-RS 48" FORMED, SEE SHEET 9	-	-	4	4	-	-
8	SD525	FLASHING-RS 96" FORMED, SEE SHEET 9	-	-	2	2	-	-
9	SD1196	BUP-HINGE	-	-	-	6	-	7
10	SD1649	FRM-CORNER STANDARD	4	4	4	4	4	4
11	SD15	SPACER-FRAME & FLASHING	5	5	8	8	8	8
12	SD165	NUT-WELD, 5/16-18	2	2	4	4	4	4
13	SD537	BUP-1/4" X 5 3/4" X 5 3/4"	-	-	4	4	-	-
14	SD549	STIFF-FRAME FORMED 1 1/4" X 2 1/2" X 11	-	-	2	2	2	2
15	SD536AL	PLATE-REIN 1/4" X 3" X 11"	-	-	-	2	-	2
<b>COVER</b>								
16	SD502	COVER-RS, S, FORMED, SEE SHEET 10	1	1	-	-	-	-
17	SD516	COVER-RS, L, FORMED, SEE SHEET 10	-	-	-	-	1	1
18	SD1642	COVER-RS, F, FORMED, SEE SHEET 10	-	-	1	1	-	-
19	SD521	LINER-RS, S, SEE SHEET 10	1	1	-	-	-	-
20	SD577	LINER-RS, L, SEE SHEET 10	-	-	-	-	1	1
21	SD1643	LINER-RS, F, SEE SHEET 10	-	-	1	1	-	-
22	SD36	SPACER-COVER, SEE SHEET 10	5	5	-	-	-	-
23	SD534-1	STIFFENER-COVER, 6", L, FORMED, SEE SHEET 10	-	-	-	-	1	1
24	SD534	STIFFENER-COVER, 6", F, FORMED, SEE SHEET 10	-	-	1	1	-	-
25	SD1644-1	STIFFENER-COVER, 4", L, FORMED, SEE SHEET 10	-	-	-	-	2	2
26	SD1644	STIFFENER-COVER, 4", F, FORMED, SEE SHEET 10	-	-	2	2	-	-
27	SD1645-1	STIFFENER-COVER, 3 1/4", L, FORMED, SEE SHEET 10	-	-	-	-	7	5
28	SD1645	STIFFENER-COVER, 3 1/4", F, FORMED, SEE SHEET 10	-	-	5	5	-	-
29	SD1646	BUP-COVER, 1/4", F	-	-	2	2	-	-
30	SD206	CORNER-COVER STIFFENER 2", ALUM	-	-	-	2	-	2
31	SD1675	CORNER-COVER END STIFFENER 3/16", ALUM	-	-	-	1	-	1
32	SD1675-1	CORNER-COVER END STIFFENER 3/16", L, ALUM	-	-	-	-	-	1
33	SD1675-2	CORNER-COVER END STIFFENER 3/16", F, ALUM	-	-	-	1	-	-
<b>INSULATION &amp; GASKET</b>								
34	SD16-2	FIBERBOARD 1" X 9 1/2" X 36 1/4"	2	2	-	-	-	-
35	SD16-1	FIBERBOARD 1" X 9 1/2" X 32"	2	2	-	-	2	2
36	SD16	FIBERBOARD 1" X 9 1/2" X 96"	-	-	-	-	2	2
37	SD16-4	FIBERBOARD 1" X 9 1/2" X 48"	-	-	2	2	-	-
38	SD16-5	FIBERBOARD 1" X 9 1/2" X 50"	-	-	2	2	-	-
39	SD4026	GASKET-EPDM	11 FT	11 FT	16 FT	16 FT	22 FT	22 FT
40	SD2	FIBERGLASS COVER INSULATION	11 SQ FT	11 SQ FT	16 SQ FT	16 SQ FT	22 SQ FT	22 SQ FT
<b>HINGE</b>								
41	SD14-P	HINGE-RS FRAME PLATED	2	-	6	-	7	-
	SD14SS	HINGE-RS FRAME 316SS	-	2	-	6	-	7
	SD13-P	HINGE-RS COVER PLATED	2	-	6	-	7	-
42	SD13SS	HINGE-RS COVER 316SS	-	2	-	6	-	7
43	SD12-Y	PIN-HINGE 3/8" X 3 1/2", .368/.374 DIA., PLATED	2	-	6	-	7	-
	SD12SS	PIN-HINGE 3/8" X 3 1/2", .368/.374 DIA., 316SS	-	2	-	6	-	7
44	SD96A	RIVET-HINGE PIN 1/8" DIA. STEEL	2	-	6	-	7	-
	SD96SS	RIVET-HINGE PIN 1/8" DIA. SS	-	2	-	6	-	7
<b>LIFTING MECHANISM</b>								
45	SD685	BRACKET-SPRING HOUSING, PLATED	1	1	-	-	4	2
46	SD7L-P	BRACKET-LH, SPRING HOUSING, PLATED	-	-	4	2	-	-
47	SD7R-P	BRACKET-RH, SPRING HOUSING, PLATED	-	-	4	2	-	-
48	SD4100-1	TUBES-SMALL LIFT MECH. ASSM COMP.	-	1	4	2	4	2
49	SD4101-1	TUBES-LARGE LIFT MECH. ASSM COMP.	1	-	-	-	-	-
50	SD4083-W	BRACKET-SPRING SM W/PIN	-	1	4	2	4	2
51	SD4086-W	BRACKET-SPRING LG W/PIN	1	-	-	-	-	-
52	SD20	SPRING-220#	-	-	-	2	4	2
	SD20LT	SPRING-190#	-	1	-	-	-	-
53	SD65	SPRING-360#	1	-	-	-	-	-
54	SD85	SPRING-280#	-	-	4	-	-	-

ITEM NO.	PART NO.	DESCRIPTION	S-20	S-50	F-20HZ	F-50HZ	L-20HZ	L-50HZ
<b>HOLD OPEN &amp; GUIDE ARMS</b>								
55	SD548L	BRACKET-ARM, 14 1/4" & 18 7/8" W/ DEIENT LH PLATED	-	-	-	-	1	1
56	SD562L	BRACKET-ARM, 70", 14 1/4" W/ DEIENT LH PLATED	1	1	-	-	-	-
57	SD752L-P	TRACK-ARM RS HEAVY DUTY 24" PLATED	-	-	1	1	-	-
58	SD3445-P	HOA-RS LH PLATED, 14 1/4"	1	1	-	-	1	1
59	SD1625L-P	HOA-RS, 24" HD LH ARM ASSY, PLATED	-	-	1	1	-	-
60	SD4	HANDLE-GRIP RED VINYL G-2R7	1	1	1	1	1	1
61	SD4820-P	GUIDE-ARM RS 14 1/4" ASSM PLATED	-	-	-	-	1	1
62	SD1-P	BRACKET-GUIDE ARM FORMED PLATED	-	-	-	-	1	1
63	SD1625U-P	GUIDE-RS, 24" HD ARM ASSY, PLATED	-	-	1	1	-	-
64	SD752G-P	TRACK-ARM RS HEAVY DUTY 24" PLATED	-	-	1	1	-	-
65	SD240	CHAIN-3/16", PROOF COIL, GALVANIZED	-	-	10 FT	10 FT	-	-
66	SD241	INK-LAP 1/4" GALVANIZED	-	-	4	4	-	-
67	SD59-P	BRACKET-EYE, PLATED	-	-	2	2	-	-
<b>LOCK</b>								
68	SD41-2	LOCK-BOX SINGLE PT. ASSM PLATED	1	1	-	-	-	-
69	SD64X	LOCK-HANSEN 2 POINT ASSM STEEL	-	-	1	1	1	1
70	SD517-2	F LOCK BOX FORMED	-	-	1	1	1	1
71	SD517-1	L LOCK BOX FORMED	-	-	-	-	1	1
72	SD49A-P	HASP-PADLOCK PLATED	1	1	-	-	-	-
73	SD49B-P	STRIKE-PADLOCK PLATED	1	1	-	-	2	2
74	SD50-P	HASP-RS COVER PLATED	1	1	4	4	4	4
75	SD709	HANDLE ASSEMBLY - RS	1	1	1	1	1	1
76	SD86-P	HANDLE-GRIP, PLATED	-	-	1	1	2	2
<b>HARDWARE</b>								
77	SD21-Y	SCREW-TAPTITE 5/16-18 X 5/8" YELLOW CHRMT	13	13	48	48	50	50
78	SD21-I-Y	SCREW-TAPTITE LOW 5/16-18 X 5/8" YELLOW CHRMT	1	1	1	1	1	1
79	SD27-Y	SCREW-HHCS 5/16-18 X 5/8" YELLOW CHRMT	6	-	20	-	22	-
	SD27/316	SCREW-HHCS 5/16-18 X 5/8" 316SS	-	6	-	20	-	22
80	SD18-Y	NUT-HEX LOCK 5/16-18 YELLOW CHRMT	6	-	20	-	22	-
	SD529	NUT-HEX 5/16-18 ALUM	-	6	-	20	-	22
81	SD234	BOLT-HH STOP THREAD 3/8-16 X 1 3/8" YELLOW CHRMT	1	1	4	2	4	2
82	SD185-Y	NUT-HEX LOCK 3/8-16 YELLOW CHRMT	1	1	4	2	4	2
83	SD94-Y	AVDEL-BOLT 2621-1004 YELLOW CHRMT	4	-	12	-	14	-
	SD94SS	AVDEL-BOLT #6 2801-1006 ALUM	-	4	-	12	-	14
84	SD95-Y	AVDEL-COLLAR HUCKBOLT YELLOW CHRMT	4	-	12	-	14	-
	SD95SS	AVDEL-COLLAR HUCKBOLT ALUM	-	4	-	12	-	14
<b>LABELS &amp; MISC.</b>								
85	LBL41	LABEL-BIL CLIP/INSTALL INSTRUCTIONS	1	1	1	1	1	1
86	SD129C	TAG-HOA ENGLISH & FRENCH	1	1	1	1	1	1
87	LBL42	LABEL-OPERATION & MAINTENANCE	1	1	1	1	1	1
88	LBL520	LABEL-SERIAL NUMBER, PATENTS	1	1	1	1	1	1
89	SD1030	RED OXIDE PRIMER	A/R	A/R	A/R	A/R	A/R	A/R
90	SD125	3/4" FIBERGLASS TAPE	12 FT	12 FT	15 FT	15 FT	15 FT	15 FT
91	SD1901	GREASE-SHELL ALVANIA EP2	A/R	A/R	A/R	A/R	A/R	A/R
* NOT SHOWN ON ASSEMBLY								

NOTE: S-20, L-20HZ & F-20HZ STEEL VERSION SHOWN  
 FOR S-50, L-50HZ & F-50HZ ALUMINUM VERSION, THE ITEM NUMBERS WITH KEY INDICATOR SYMBOL INCREASE IN MATERIAL THICKNESS FROM .075" TO .090"

HERMES F. NORERO, P.E.  
 FLORIDA P.E. NO. 73778  
 BUILDING DROPS, INC  
 39B E. DANIA BEACH BLVD. #338  
 DANIA BEACH, FL 33004  
 FBPE CERT. OF AUTHORIZATION NO. 29578



UNLESS OTHERWISE SPECIFIED:  
 UNLESS OTHERWISE SPECIFIED REMOVE ALL BURRS & SHARP CORNERS  
 DIMENSION TOLERANCES  
 XXXX +/- .010  
 XXXX +/- .015  
 XXX +/- .030  
 ANGLES +/- 2°  
 FRACTIONS +/- 1/32  
 INTERPRET GEOMETRIC TOLERANCING PER  
 MATERIAL  
 FINISH  
 DO NOT SCALE DRAWING

NAME/	DATE
DRAWN	DJC 9/01/19
ORG. AUTHOR	DJC
ORG. ECR	
D.A.	
3RD-ANGLE PROJECTION	

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
**NOA-No.** 24-1029.02

**Expiration Date** 12/02/2029

By   
**Miami-Dade Product Control**

STANDARD MODEL NUMBERS:  
 S-20 36X36 S-50 36X36  
 E-20HZ 36X36 E-50HZ 36X36  
 NB-20HZ 30X54 NB-50HZ 30X54  
 F-20HZ 48X48 F-50HZ 48X48  
 L-20HZ 30X96 L-50HZ 30X96

CUSTOM MODEL SIZE NUMBERS:  
 SS-20 W X L  
 (WHERE W = 18" - 36" AND L = 18" - 30" \*\*  
 SS-50 W X L  
 (WHERE W = 18" - 36" AND L = 18" - 30" \*\*  
 \*\*\*AREA NOT TO EXCEED 7.5 SQ. FT.

SS-20HZ W X L  
 (WHERE W = 18" - 48" AND L = 18" - 96" \*\*\*  
 SS-50HZ W X L  
 (WHERE W = 18" - 48" AND L = 18" - 96" \*\*\*  
 \*\*\*AREA NOT TO EXCEED 20 SQ. FT.

FOR CUSTOM MODEL SIZES, QUANTITIES OF STIFFENERS AND HINGES WILL BE ADJUSTED PROPORTIONALLY TO THE AREA SIZE OF THE HATCH. ALSO QUANTITY AND SELECTION OF LIFTING MECHANISMS WILL BE ADJUSTED ACCORDING TO WEIGHT AND SIZE OF COVER.

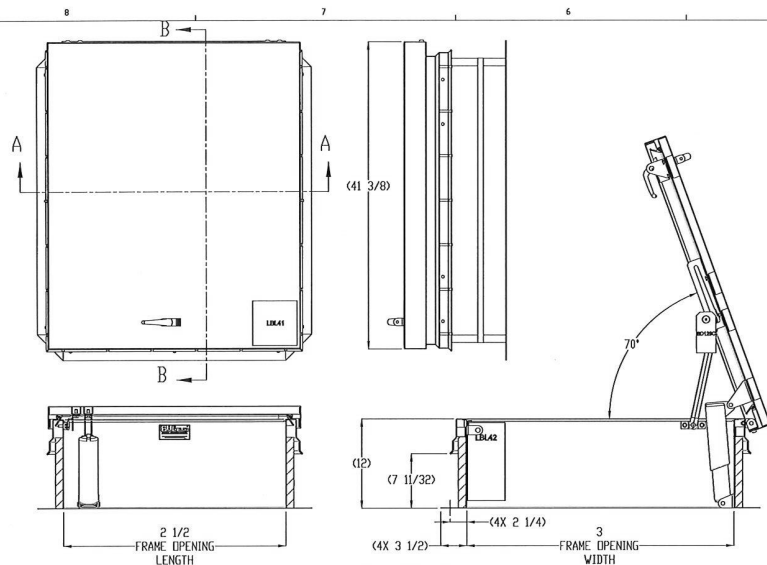
**PRODUCT REVISED**  
 as complying with the Florida Building Code  
**NOA-No.** 23-0815.19

**Expiration Date** 12/02/2024

By   
**Miami-Dade Product Control**

<b>THE BILCO COMPANY</b> P.O. Box 1203 New Haven, Connecticut 06505 (203) 934-6363 Fax (203) 933-8478 www.bilco.com e-mail: bilco@bilco.com		
TITLE:		
S & HZ DOOR ASSY		
BILL OF MATERIALS		
SIZE	DWG. NO.	REV
B	S/HZ DOOR ASSY	F
SCALE: 1/6	WEIGHT:	SHEET 3 OF 13

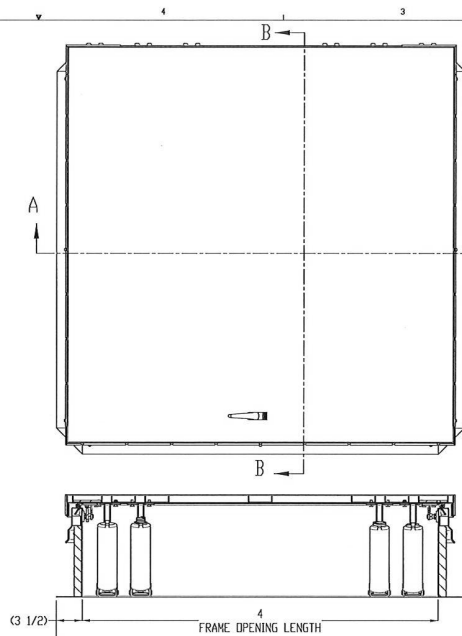




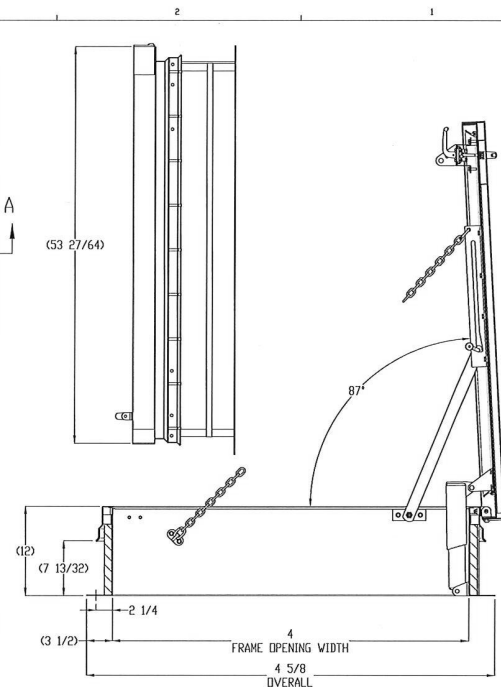
SECTION A-A

S-DOOR  
S-20 = STEEL VERSION  
S-50 = ALUM VERSION

SECTION B-B  
OPEN POSITION



SECTION A-A



SECTION B-B  
(OPEN)

F-HZ DOOR  
F-20HZ = STEEL VERSION  
F-50HZ = ALUM VERSION

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-1029.02

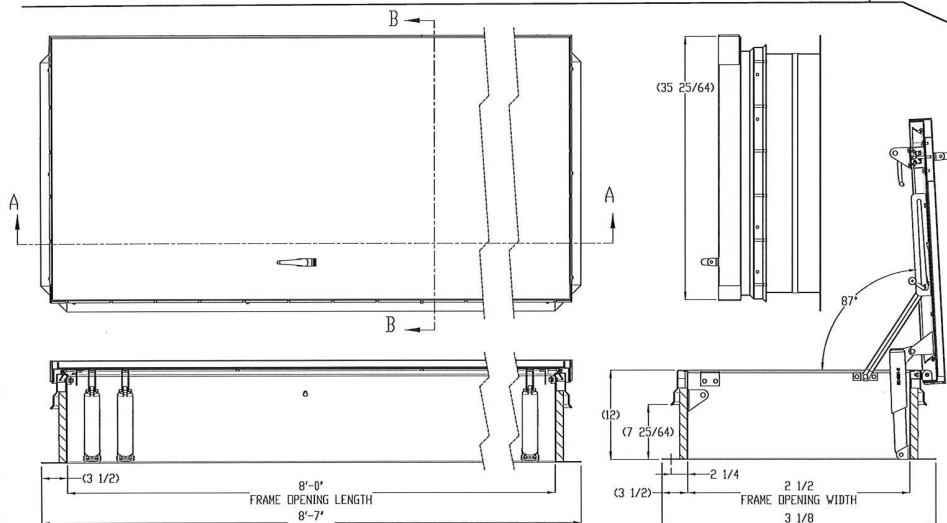
Expiration Date 12/02/2029

By *[Signature]*  
Miami-Dade Product Control

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0815.19

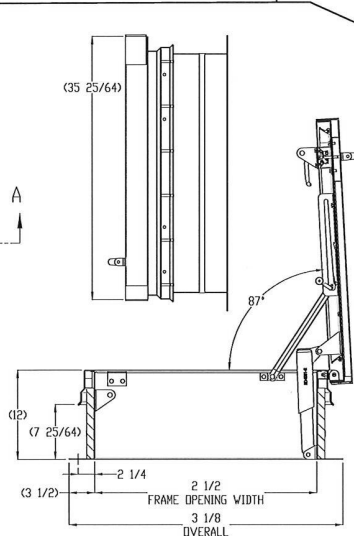
Expiration Date 12/02/2024

By *[Signature]*  
Miami-Dade Product Control



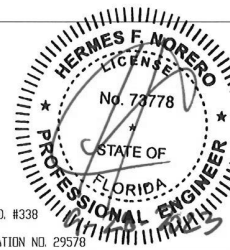
SECTION A-A

L-HZ DOOR  
L-20HZ = STEEL VERSION  
L-50HZ = ALUM VERSION



SECTION B-B  
(OPEN)

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



UNLESS OTHERWISE SPECIFIED:  
REMOVE ALL BURRS & SHARP  
CORNERS  
DIMENSION TOLERANCES  
xxxx 1/2 - .010  
xxx 1/2 - .015  
xx 1/2 - .020  
ANGLES 1/2 - 1/32  
FRACTIONS 1/2 - 1/32  
INTERPRET GEOMETRIC  
TOLERANCING PER:

MATERIAL

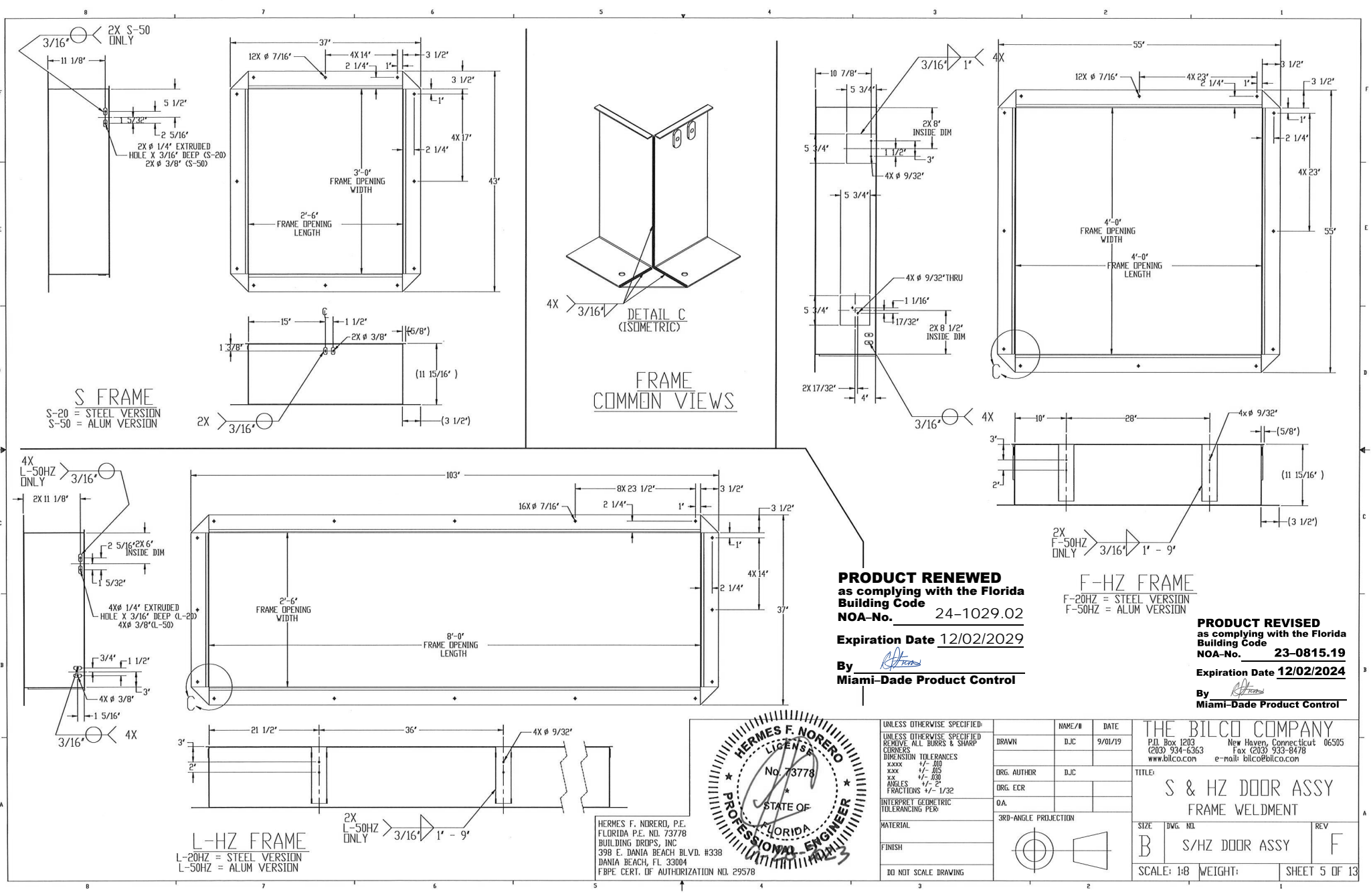
FINISH

DO NOT SCALE DRAWING

NAME/#	DATE
DRAWN DJC	9/01/19
DRG. AUTHOR DJC	
DRG. ECR	
Q.A.	
3RD-ANGLE PROJECTION	

THE BILCO COMPANY		
P.O. Box 1203 (203) 934-6363 www.bilco.com	New Haven, Connecticut 06505 Fax (203) 933-8478 e-mail: bilco@bilco.com	
TITLE: S & HZ DOOR ASSY OVERALL VIEW LAYOUTS		
SIZE B	DWG. NO. S/HZ DOOR ASSY	REV F
SCALE: 1/8"	WEIGHT:	SHEET 4 OF 13



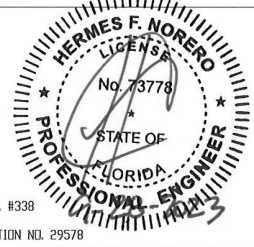


FRAME  
COMMON VIEWS

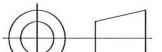
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-1029.02  
Expiration Date 12/02/2029  
By *[Signature]*  
Miami-Dade Product Control

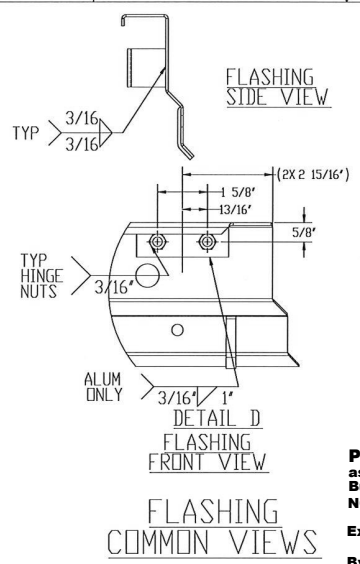
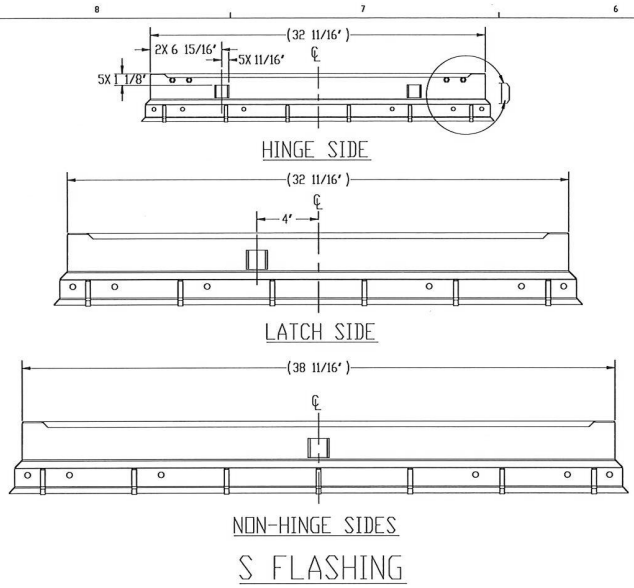
**F-HZ FRAME**  
F-20HZ = STEEL VERSION  
F-50HZ = ALUM VERSION

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0815.19  
Expiration Date 12/02/2024  
By *[Signature]*  
Miami-Dade Product Control

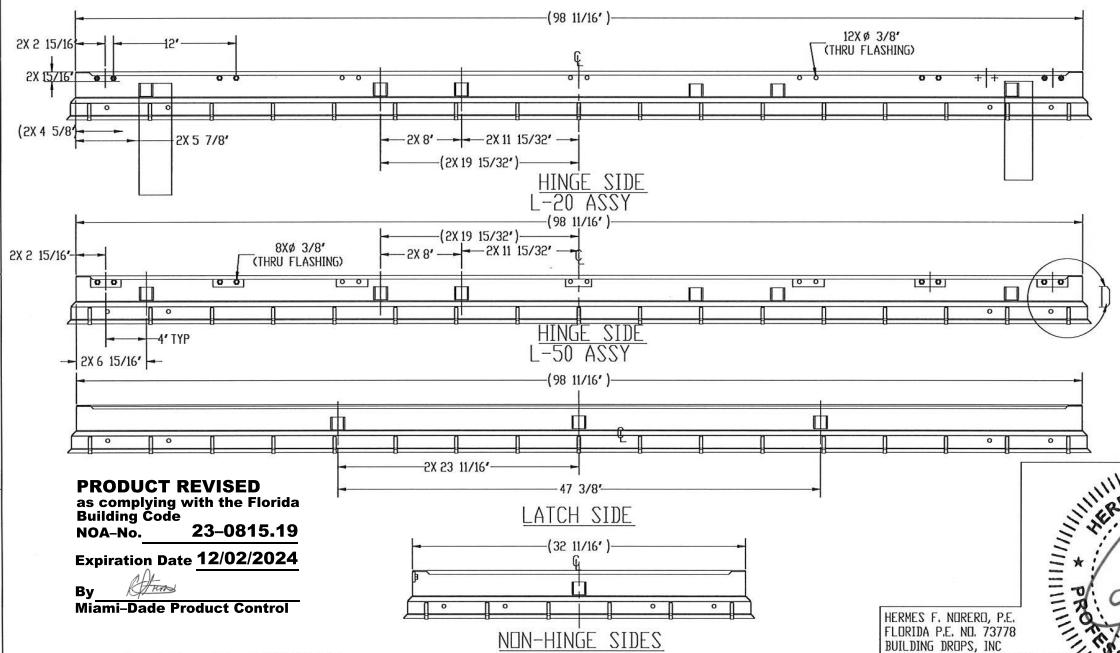
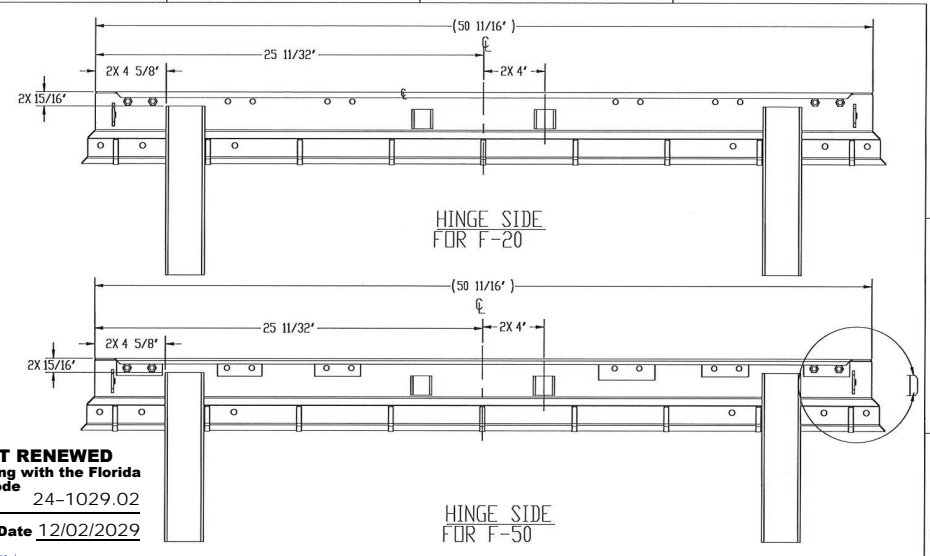


HERMES F. NORERO, P.E.  
FLORIDA P.E. NO. 73778  
BUILDING DEPS, INC  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION NO. 29578

UNLESS OTHERWISE SPECIFIED: REMOVE ALL BURRS & SHARP CORNERS DIMENSION TOLERANCES XXXXX +/- .010 XXXX +/- .015 XXX +/- .030 ANGLES +/- 2° FRACTIONS +/- 1/32 INTERPRET GEOMETRIC TOLERANCING PER:		NAME/##	DATE	THE BILCO COMPANY P.O. Box 1203 (203) 934-6363 www.bilco.com New Haven, Connecticut 06505 Fax (203) 933-8478 e-mail: bilco@bilco.com	
DRAWN		DJC	9/01/19	TITLE:	
DRG. AUTHOR		DJC		S & HZ DOOR ASSY FRAME WELDMENT	
DRG. ECR				SIZE	
O.A.		3RD-ANGLE PROJECTION		DWG. NO.	REV
MATERIAL				B	S/HZ DOOR ASSY
FINISH				F	
DO NOT SCALE DRAWING				SCALE: 1:8	WEIGHT:
				SHEET 5 OF 13	

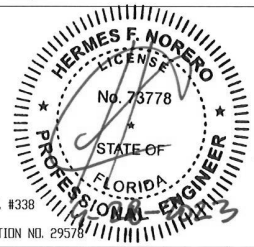


**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-1029.02  
Expiration Date 12/02/2029  
By *[Signature]*  
Miami-Dade Product Control



**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0815.19  
Expiration Date 12/02/2024  
By *[Signature]*  
Miami-Dade Product Control

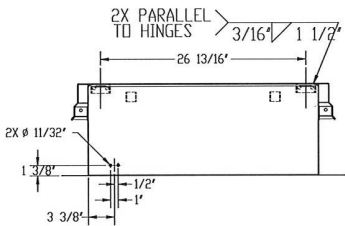
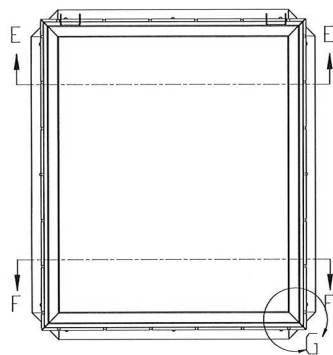
HERMES F. NORERO, P.E.  
FLORIDA P.E. NO. 73778  
BUILDING DROPS, INC  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION NO. 29578



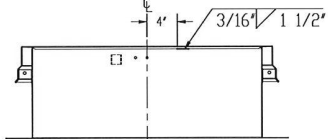
UNLESS OTHERWISE SPECIFIED:  
REMOVE ALL BURRS & SHARP  
CORNERS  
DIMENSION TOLERANCES  
XXXX +/- .010  
XXX +/- .015  
XX +/- .030  
ANGLES 1/2°-2°  
FRACTIONS 1/16-1/32  
INTERPRET GEOMETRIC  
TOLERANCING PER  
MATERIAL  
FINISH  
DO NOT SCALE DRAWING

NAME/#	DATE
DRAWN DJC	9/01/19
ORG. AUTHOR DJC	
ORG. ECR	
D.A.	
3RD-ANGLE PROJECTION	

THE BILCO COMPANY	
P.O. Box 1203 (203) 934-6363 www.bilco.com	New Haven, Connecticut 06505 Fax (203) 933-8478 e-mail: bilco@bilco.com
TITLE: S & HZ DOOR ASSY FLASHING WELDMENT	
SIZE B	DWG. NO. S/HZ DOOR ASSY
SCALE: 1:6	WEIGHT:
SHEET 6 OF 13	



SECTION E-E  
HINGE SIDE

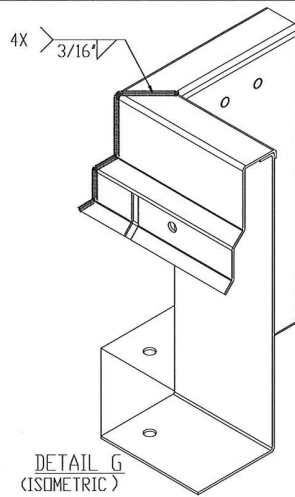


SECTION F-F  
LATCH SIDE

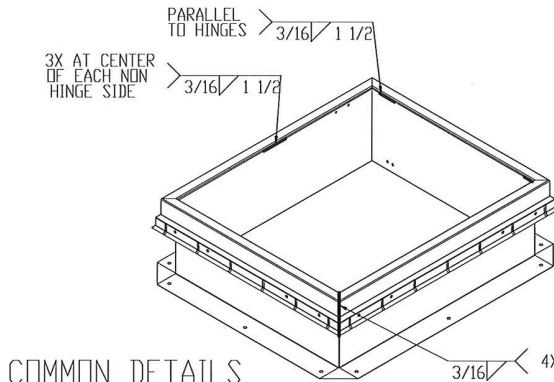
S FRAME/FLASHING  
WELDMNT

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **23-0815.19**  
Expiration Date **12/02/2024**

By *[Signature]*  
Miami-Dade Product Control

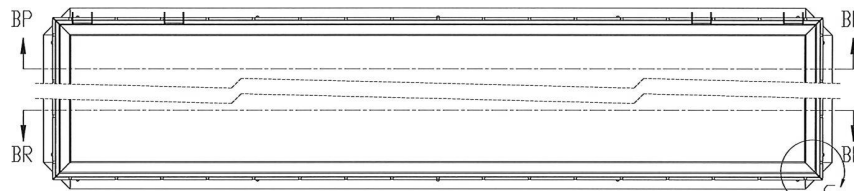


DETAIL G  
(ISOMETRIC)

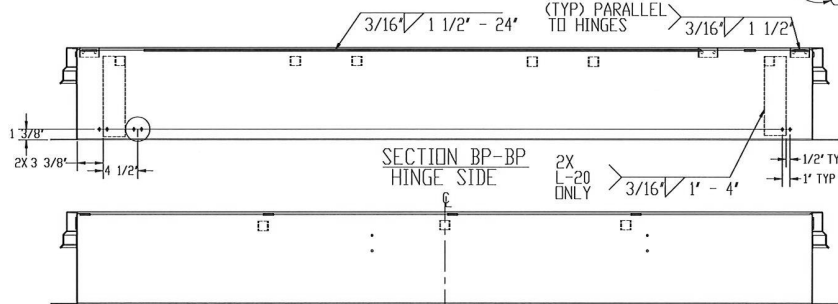


COMMON DETAILS  
FRAME/FLASHING  
WELDMNT

WELD DETAIL  
FRAME & FLASHING  
4S MODEL SHOWN



SECTION BP-BP  
HINGE SIDE



SECTION BR-BR  
LATCH SIDE

L-HZ FRAME/FLASHING  
WELDMNT

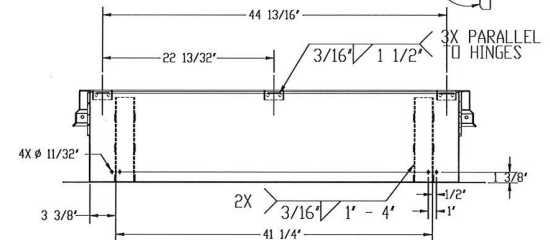
HERMES F. NORERO, P.E.  
FLORIDA P.E. NO. 73778  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION NO. 29578



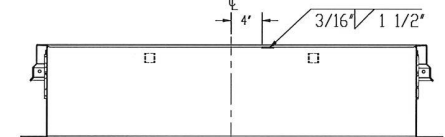
UNLESS OTHERWISE SPECIFIED:  
REMOVE ALL BURRS & SHARP  
CORNERS  
TOLERANCES  
DIMENSION 1/16 .010  
1/8 .015  
1/4 .020  
1/2 .030  
ANGLES 1/4" - 1/32"  
FRACTIONS 1/4" - 1/32"  
INTERPRET GEOMETRIC  
TOLERANCING PER  
MATERIAL  
FINISH  
DO NOT SCALE DRAWING



**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. **24-1029.02**  
Expiration Date **12/02/2029**  
By *[Signature]*  
Miami-Dade Product Control

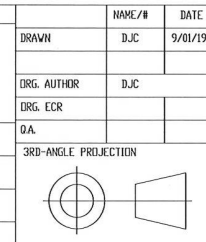


SECTION BM-BM  
HINGE SIDE



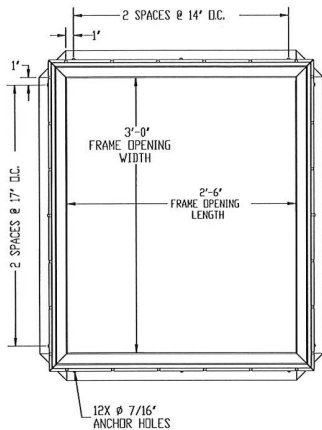
SECTION BN-BN  
LATCH SIDE

F-HZ FRAME/FLASHING  
WELDMNT

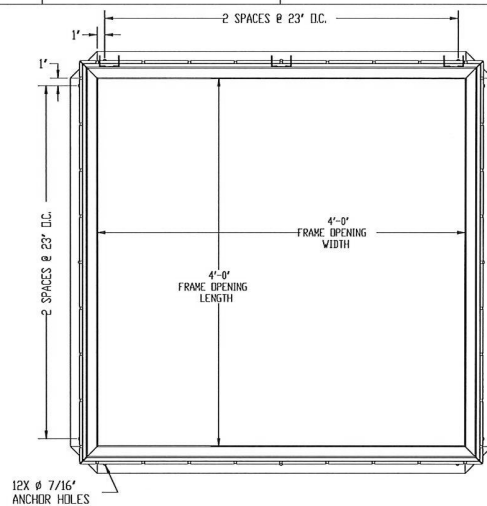


THE BILCO COMPANY		
P.O. Box 1203 New Haven, Connecticut 06505		
(203) 934-6363 Fax (203) 933-8478		
www.bilco.com e-mail: bilco@bilco.com		
DRAWN	DJC	9/01/19
DRG. AUTHOR	DJC	
DRG. ECR		
Q.A.		
3RD-ANGLE PROJECTION		
SIZE	DWG. NO.	REV
B	S/HZ DOOR ASSY	F
SCALE: 1:8		WEIGHT:
		SHEET 7 OF 13

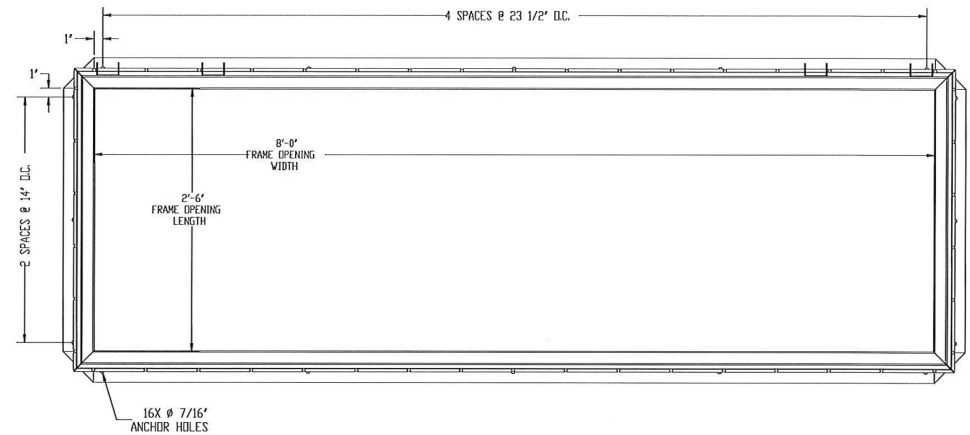




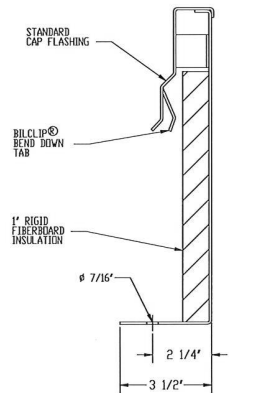
S ANCHOR LAYOUT



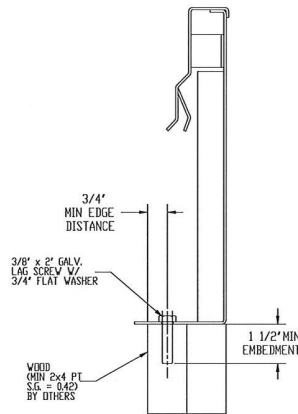
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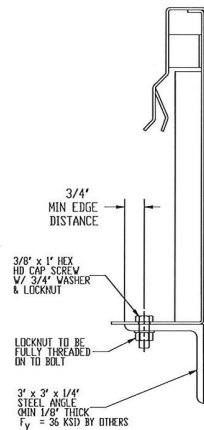
L-HZ ANCHOR LAYOUT



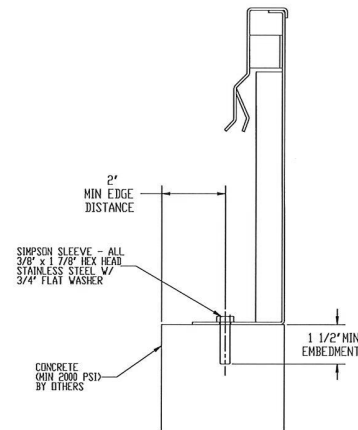
STANDARD 12" CURB



WOOD CURB



STEEL CURB



CONCRETE CURB

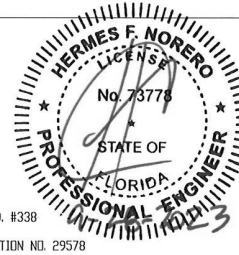
ANCHORING OPTIONS

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-1029.02

Expiration Date 12/02/2029

By *[Signature]*  
Miami-Dade Product Control

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



UNLESS OTHERWISE SPECIFIED:  
REMOVE ALL BURRS & SHARP  
CORNERS  
DIMENSIONS TOLERANCES  
XXXX 1/- .010  
XXX 1/- .015  
XX 1/- .020  
X 1/- .030  
ANGLES 1/- 1/32  
FRACTIONS 1/- 1/32  
INTERPRET GEOMETRIC  
TOLERANCING PER  
MATERIAL  
FINISH  
DO NOT SCALE DRAWING

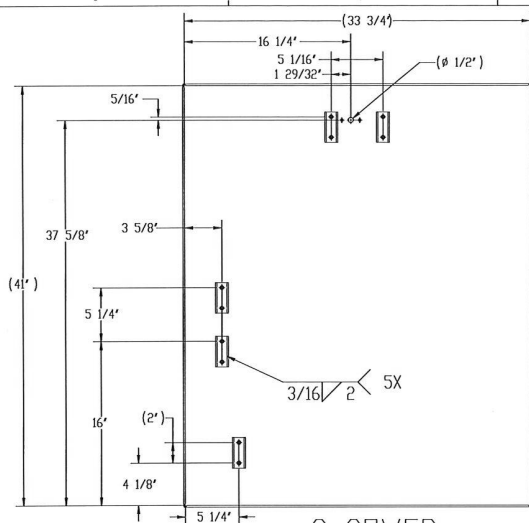
NAME/#	DATE
DJC	9/01/19
DRG. AUTHOR	DJC
DRG. ECR	
Q.A.	
3RD-ANGLE PROJECTION	

THE BILCO COMPANY		
P.O. Box 1203 (203) 934-6363 www.bilco.com		New Haven, Connecticut 06505 Fax (203) 933-8478 e-mail: bilco@bilco.com
TITLE:  S & HZ DOOR ASSY ANCHORING OPTIONS		
SIZE: B	DRG. NO. S/HZ DOOR ASSY	REV F
SCALE: 1:7		WEIGHT: SHEET 8 OF 13

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0815.19

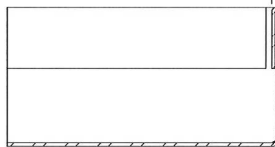
Expiration Date 12/02/2024

By *[Signature]*  
Miami-Dade Product Control

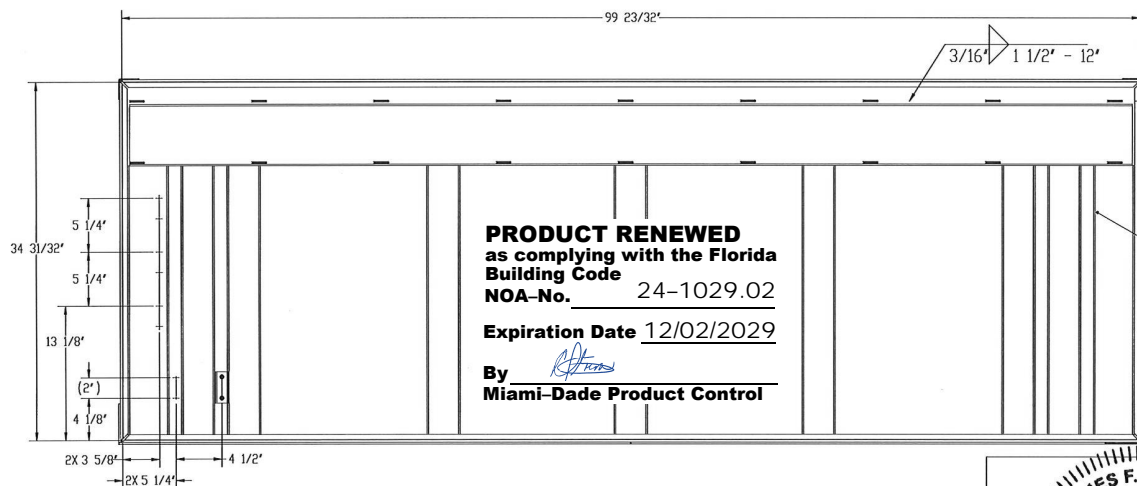


**S COVER**  
S-20 = STEEL VERSION  
S-50 = ALUM VERSION

NOTE: WHEN LOCATING SDOG COVER SPACER AND EPDM GASKET, INSIDE DIMENSIONS ARE MEASURED FROM THIS TYPICAL SURFACE ON COVER.



COVER END VIEW

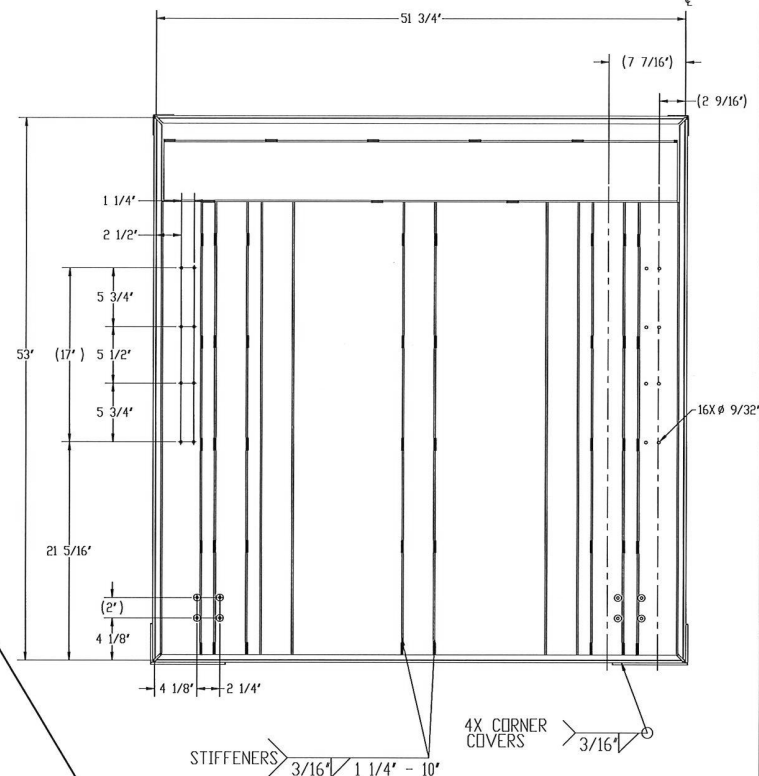


**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-1029.02

Expiration Date 12/02/2029

By *[Signature]*  
Miami-Dade Product Control

**L-HZ COVER**  
L-20HZ = STEEL VERSION  
L-50HZ = ALUM VERSION



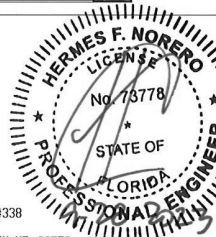
**F-HZ COVER**  
F-20HZ = STEEL VERSION  
F-50HZ = ALUM VERSION

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0815.19

Expiration Date 12/02/2024

By *[Signature]*  
Miami-Dade Product Control

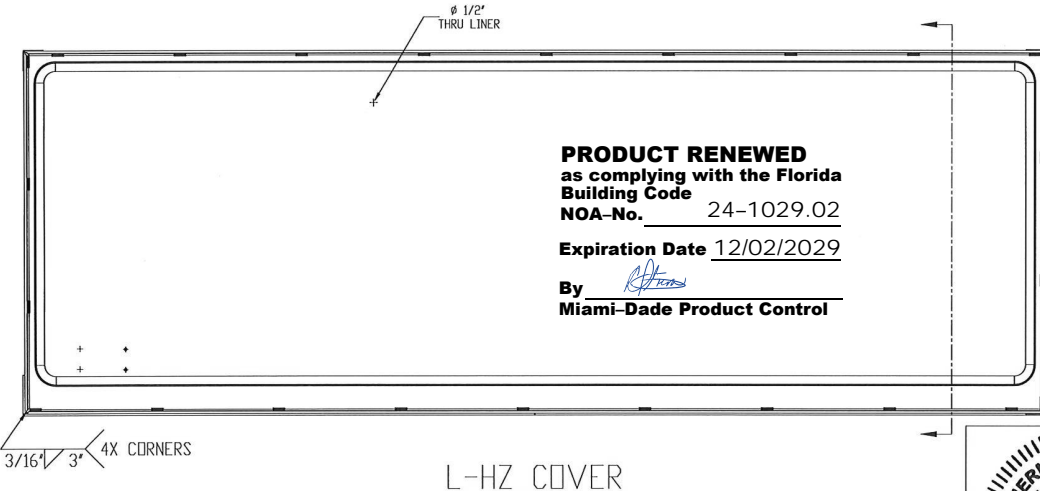
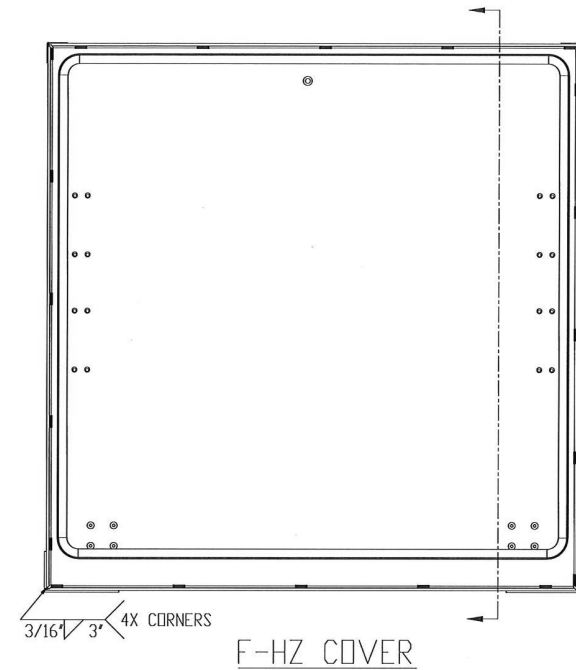
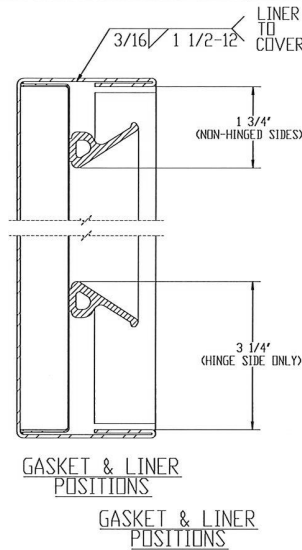
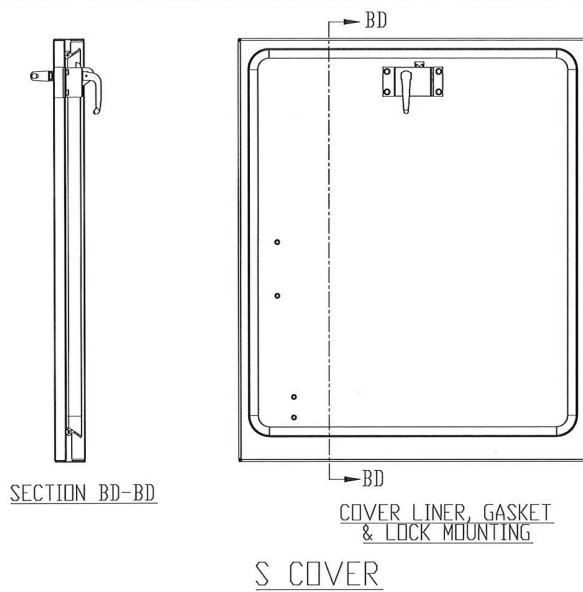
HERMES F. NORERO, P.E.  
FLORIDA P.E. NO. 73778  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION NO. 29578



UNLESS OTHERWISE SPECIFIED:  
UNLESS OTHERWISE SPECIFIED  
REMOVE ALL BURRS & SHARP  
CORNERS  
DIMENSION TOLERANCES  
XXXX 1/2" .010  
XXX 1/2" .015  
XX 1/2" .020  
ANGLES 1/2" .2"  
FRACTIONS 1/2" 1/32  
INTERPRET GEOMETRIC  
TOLERANCING PER  
MATERIAL  
FINISH  
DO NOT SCALE DRAWING

NAME/#	DATE
DJC	9/01/19
DRG. AUTHOR	DJC
DRG. ECR	
Q.A.	
3RD-ANGLE PROJECTION	

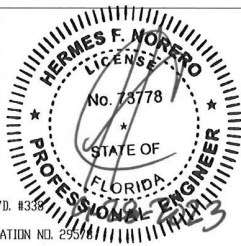
THE BILCO COMPANY			
P.O. Box 1203 (203) 934-6363 www.bilco.com		New Haven, Connecticut 06505 Fax (203) 933-8478 e-mail: bilco@bilco.com	
TITLE			
S & HZ DOOR ASSY COVER WELDMENT			
SIZE	DWG. NO.	REV	
B	S/HZ DOOR ASSY	F	
SCALE: 1/6"		WEIGHT:	SHEET 9 OF 13



**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-1029.02  
Expiration Date 12/02/2029  
By *[Signature]*  
Miami-Dade Product Control

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0815.19  
Expiration Date 12/02/2024  
By *[Signature]*  
Miami-Dade Product Control

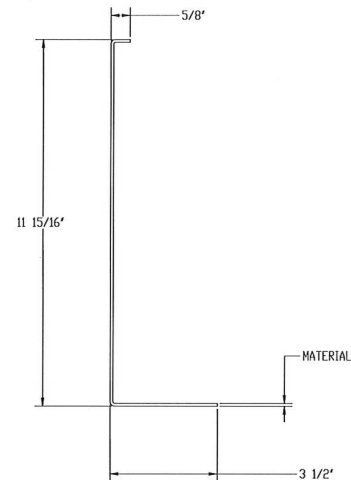
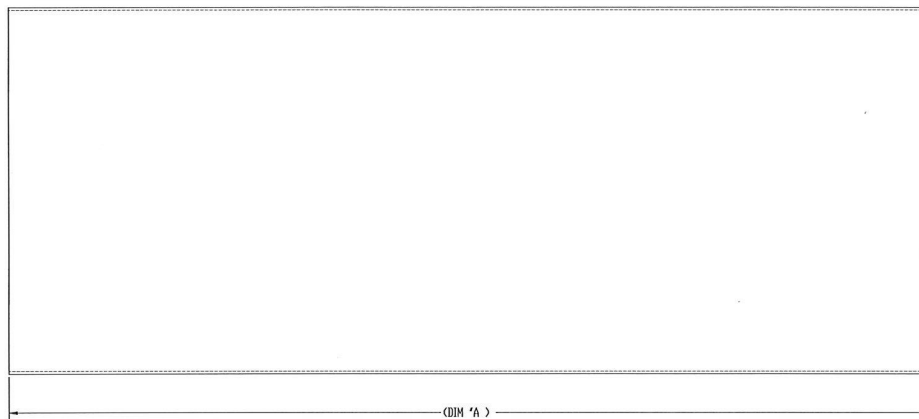
HERMES F. NORERO, P.E.  
FLORIDA P.E. NO. 73778  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION NO. 25516



UNLESS OTHERWISE SPECIFIED:  
REMOVE ALL BURRS & SHARP  
CORNERS  
DIMENSION TOLERANCES  
XXXX 1/- .010  
XXX 1/- .015  
XX 1/- .020  
X 1/- .030  
ANGLES 1/- 1/32  
INTERPRET GEOMETRIC  
TOLERANCING PER  
MATERIAL  
FINISH  
DO NOT SCALE DRAWING

NAME/#	DATE
DRAWN DJC	9/01/19
ORG. AUTHOR DJC	
ORG. ECR	
Q.A.	
3RD-ANGLE PROJECTION	

THE BILCO COMPANY			
P.O. Box 1203	New Haven, Connecticut	06505	
(203) 934-6363	Fax (203) 933-8478		
www.bilco.com	e-mail: bilco@bilco.com		
TITLE: S & HZ DOOR ASSY COVER LINER WELDMENT			
SIZE B	DWG. NO. S/HZ DOOR ASSY	REV F	
SCALE: 1/6	WEIGHT:	SHEET 10 OF 13	



UNIT	PART NO.	MATERIAL	DIM "A"
S & L	SD504A	14 GA. (.075") GALV. STEEL	30'
S	SD505A	14 GA. (.075") GALV. STEEL	36'
S & L	SD504A-AL	11 GA. (.090) 3003 H14 ALUM	30'
S	SD505A-AL	11 GA. (.090) 3003 H14 ALUM	36'
F	SD540	14 GA. (.075") GALV. STEEL	48'
F	SD540AL	11 GA. (.090") 3003 H14 ALUM	48'
L	SD523	14 GA. (.075") GALV. STEEL	96'
L	SD523AL	11 GA. (.090") 3003 H14 ALUM	96'

FRAME

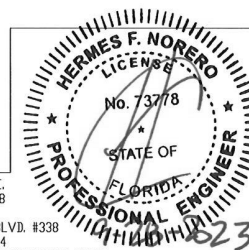
# NOTES:

1. MATERIAL MUST BE ABLE TO BEND 180° BACK UPON ITSELF WITHOUT FRACTURE AND FLATNESS CRITICAL DIAGONAL MEASUREMENT IS  $\pm 1/32"$ , CORNERS MUST BE 90°.

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-1029.02  
Expiration Date 12/02/2029  
By *[Signature]*  
Miami-Dade Product Control

**PRODUCT REVISED**  
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Building Code  
NOA-No. 23-0815.19  
Expiration Date 12/02/2024  
By *[Signature]*  
Miami-Dade Product Control

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

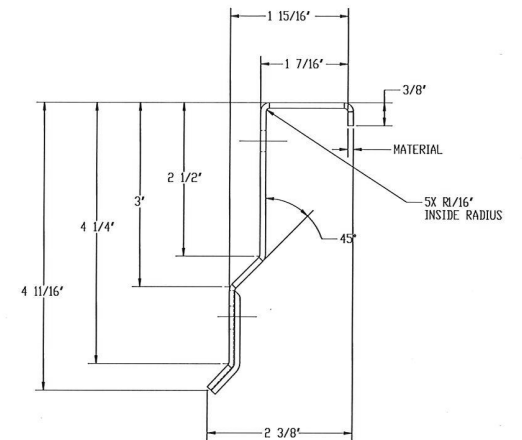
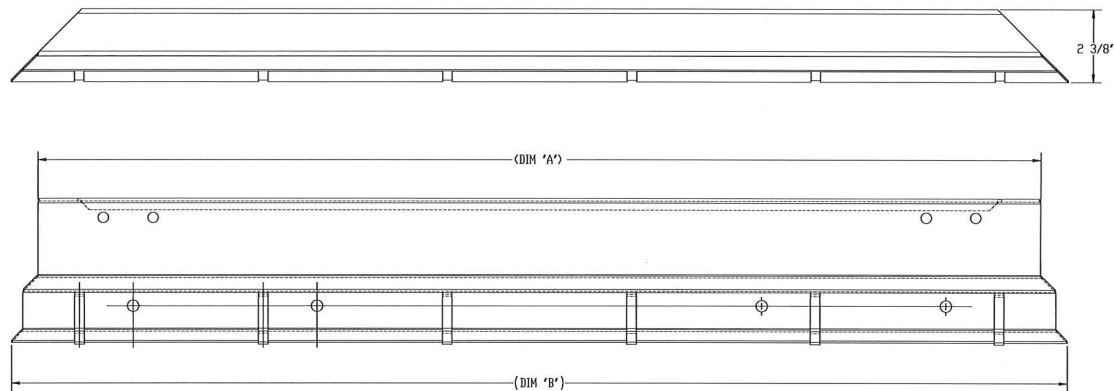


UNLESS OTHERWISE SPECIFIED:  
REMOVE ALL BURRS & SHARP  
CORNERS  
DIMENSION TOLERANCES  
xxx 1/2 .010  
xxx 1/2 .015  
xx 1/2 .020  
ANGLES 1/2° 1/32°  
FRACTIONS 1/2 1/32  
INTERPRET GEOMETRIC  
TOLERANCING PER  
MATERIAL  
FINISH  
DO NOT SCALE DRAWING

NAME/#	DATE
DRAWN D.JC	9/01/19
DRG. AUTHOR D.JC	
DRG. ECR	
D.A.	
3RD-ANGLE PROJECTION	

THE BILCO COMPANY P.O. Box 1203 New Haven, Connecticut 06505 (203) 934-6363 Fax (203) 933-8478 www.bilco.com e-mail: bilco@bilco.com			
TITLE S & HZ DOOR ASSY FRAME/CURB			
SIZE B	DWG. NO. S/HZ DOOR ASSY	REV F	
SCALE: 1/2	WEIGHT:	SHEET 11 OF 13	





UNIT	PART NO.	MATERIAL	DIM "A"	DIM "B"
S & L	SD506	14 GA. (.075") GALV STEEL	32 11/16"	34 7/16"
S & L	SD506AL	11 GA. (.090") 3003 H14 ALUM	32 11/16"	34 7/16"
S	SD507	14 GA. (.075") GALV STEEL	38 11/16"	40 7/16"
S	SD507AL	11 GA. (.090") 3003 H14 ALUM	38 11/16"	40 7/16"
F	SD542	14 GA. (.075") GALV STEEL	50 11/16"	52 7/16"
F	SD542AL	11 GA. (.090") 3003 H14 ALUM	50 11/16"	52 7/16"
L	SD525	14 GA. (.075") GALV STEEL	98 11/16"	100 7/16"
L	SD525AL	11 GA. (.090") 3003 H14 ALUM	98 11/16"	100 7/16"

## FLASHING

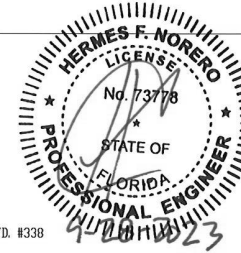
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-1029.02

Expiration Date 12/02/2029

By *[Signature]*  
Miami-Dade Product Control

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0815.19  
Expiration Date 12/02/2024  
By *[Signature]*  
Miami-Dade Product Control

HERMES F. NORENO, 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

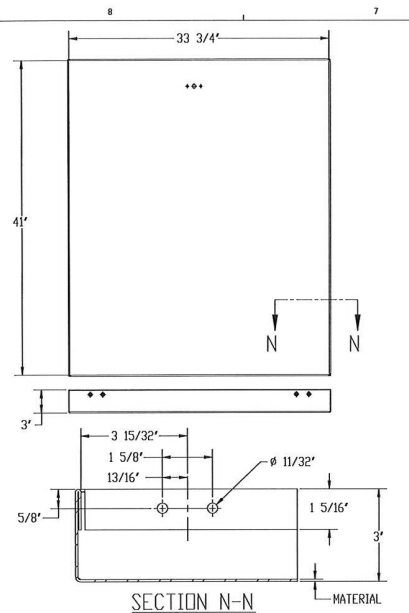


UNLESS OTHERWISE SPECIFIED:  
REMOVE ALL BURRS & SHARP  
CORNERS  
DIMENSION TOLERANCES  
XXXX 1/- .010  
XXX 1/- .015  
XX 1/- .020  
X 1/- .030  
ANGLES 1/- 2°  
FRACTIONS 1/- 1/32  
INTERPRET GEOMETRIC  
TOLERANCING PER  
MATERIAL  
FINISH  
DO NOT SCALE DRAWING

NAME/#	DATE
DRAWN DJC	9/01/19
ORG. AUTHOR DJC	
ORG. ECR	
D.A.	

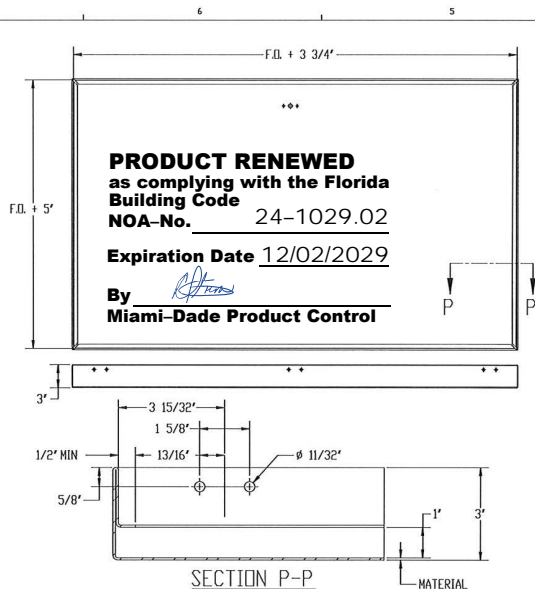
3RD-ANGLE PROJECTION

THE BILCO COMPANY P.O. Box 1203 New Haven, Connecticut 06505 (203) 934-6363 Fax (203) 933-8478 www.bilco.com e-mail: bilco@bilco.com	
TITLE: S & HZ DOOR ASSY FLASHING	
SIZE B	DWG. NO. S/HZ DOOR ASSY
SCALE: 1:2	WEIGHT: SHEET 12 OF 13



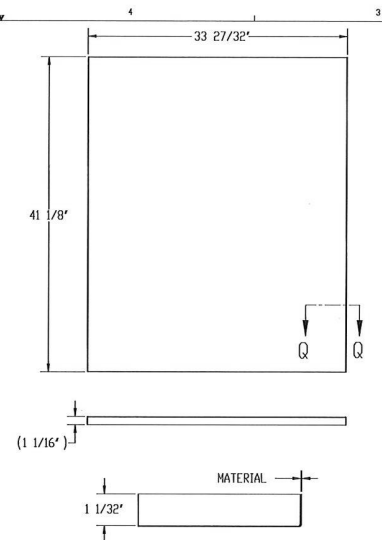
UNIT	PART NO.	MATERIAL
S	SD502	14 GA. (.075") GALV STEEL
S	SD502AL	11 GA. (.090") 3003 H14 ALUM

S COVER



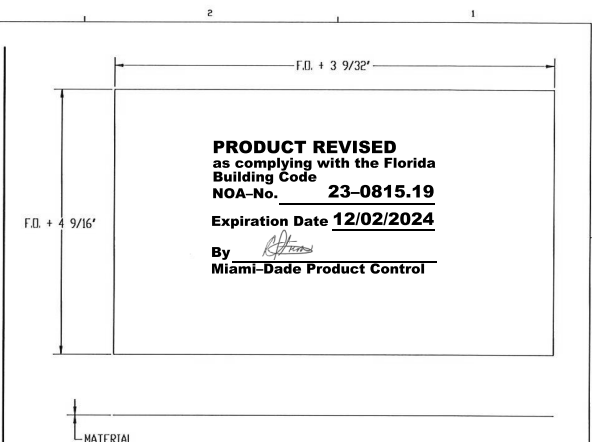
UNIT	PART NO.	MATERIAL
L	SD516	14 GA. (.075") GALV STEEL
L	SD588	11 GA. (.090") 3003 H14 ALUM
F	SD1642	14 GA. (.075") GALV STEEL
F	SD1642-1	11 GA. (.090") 3003 H14 ALUM

L & F COVER



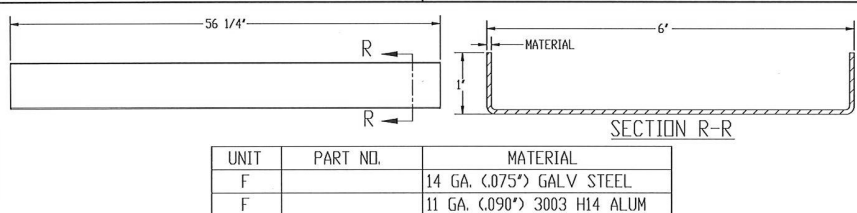
UNIT	PART NO.	MATERIAL
S	SD521	22 GA. (.032") GALV STEEL
S	SD521AL	18 GA. (.040") 3003 H14 ALUM

S LINER



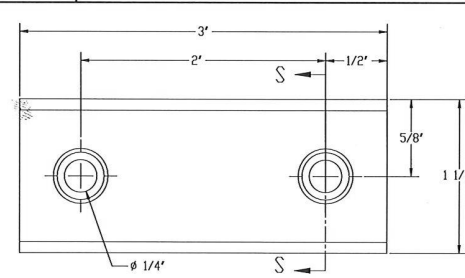
UNIT	PART NO.	MATERIAL
L	SD577	22 GA. (.032") GALV STEEL
L	SD577AL	18 GA. (.040") 3003 H14 ALUM
F	SD1643	22 GA. (.032") GALV STEEL
F	SD1643AL	22 GA. (.032") GALV STEEL

L & F LINER

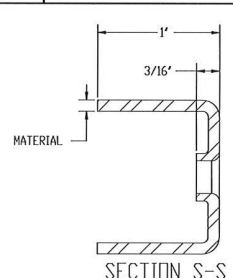


UNIT	PART NO.	MATERIAL
F	SD36	14 GA. (.075") GALV STEEL
F	SD36AL	11 GA. (.090") 3003 H14 ALUM

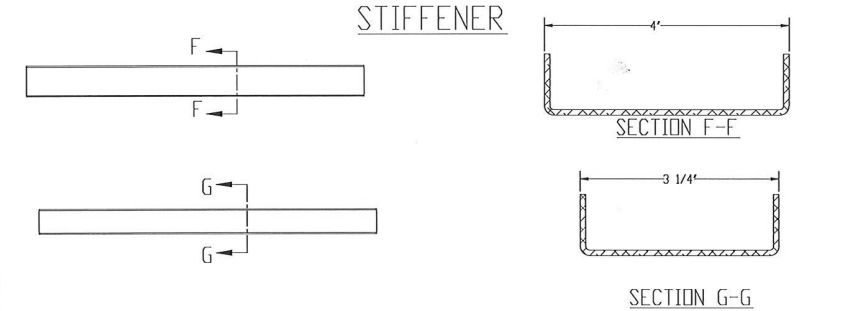
STIFFENER



SPACER

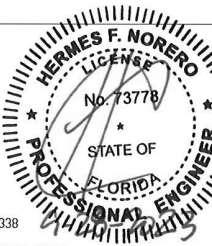


UNIT	PART NO.	MATERIAL
S	SD36	13 GA. (.090") GALV STEEL
S	SD36AL	11 GA. (.090") 3003 H14 ALUM



SECTION G-G

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



UNLESS OTHERWISE SPECIFIED:  
REMOVE ALL BURRS & SHARP  
CORNERS  
DIMENSION TOLERANCES  
xxxx 1/2 - .010  
xxx 1/2 - .015  
xxx 1/2 - .020  
ANGLES 1/2 - 1/32  
INTERPRET GEOMETRIC  
TOLERANCING PER  
MATERIAL 14 GA. (.075") P.B. GALV. G-90  
STEEL ASTM A653  
FINISH  
DO NOT SCALE DRAWING

NAME/#	DATE
DRAWN DJC	9/01/19
DRG. AUTHOR DJC	
DRG. ECR	
D.A.	
3RD-ANGLE PROJECTION	

THE BILCO COMPANY P.O. Box 1203 (203) 934-6363 www.bilco.com		New Haven, Connecticut 06505 Fax (203) 933-8478 e-mail: bilco@bilco.com	
TITLE: S & HZ DOOR ASSY COVER			
SIZE B	DWG. NO. S/HZ DOOR ASSY	REV F	
SCALE: 1:8		WEIGHT:	SHEET 13 OF 13