



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

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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

C.G.S. Sales, Inc.
44729 Street Rt. 14
Columbiana, OH 44408

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: 0.028" Stainless Steel Operable Impact Resistant Window Screen

APPROVAL DOCUMENT: Drawing No. SCG0509-16, titled " Operable Impact Resistant Window Screen ", sheets 1 through 11 of 11, prepared by Souffront Construction's Group, Ltd. Co., dated 12/16/2016, latest revision #3 dated 12/20/2023, signed and sealed by Oscar Yamir Souffront, P.E. on 12/21/2023, bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each module shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA #22-0208.02 and consists of this page 1, evidence submitted pages E-1, E-2 and E-3 as well as approval document mentioned above.

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



Helmy A. Makar
03/07/24

NOA No 23-1222.02
Expiration Date: 05/18/2027
Approval Date: 03/07/2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 17-0206.07

A. DRAWINGS

1. *Drawing No. SCG0509-16, titled " Operable Impact Resistant Window Screen ", sheets 1 through 11 of 11, prepared by Souffront Construction's Group, Ltd. Co., dated 12/16/16, signed and sealed by Oscar Yamir Souffront, P.E. on 02/01/2017*

B. TESTS

1. *Test reports on 1)Uniform Static Air Pressure Test, Loading per SFBC PA 202-94 2) Cyclic Wind Pressure Loading per SFBC, PA 203-94 3) Large Missile Impact Test per SFBC, PA 201-94 along with marked-up drawings and installation diagram of an aluminum Operable Window with a stainless steel screen, prepared by Blackwater Testing, Inc., Test Report No. BT-SCG-16-001, dated 07/18/2016, signed and sealed by Constantin Bortes, P.E.*

C. CALCULATIONS

1. *Anchor Calculations and structural analysis, prepared by Souffront Construction's Group, Ltd. Co., dated 02/01/2017, signed and sealed by Oscar Yamir Souffront, P.E. on 02/01/2017*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None*

F. STATEMENTS

1. *Statement letter of compliance with the FBC, 2014 Edition, prepared by Souffront Construction's Group, Ltd. Co., dated 12/06/2016, signed and sealed by Oscar Yamir Souffront, P.E. on 02/01/2017.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 18-0712.07

A. DRAWINGS

1. *Drawing No. SCG0509-16, titled " Operable Impact Resistant Window Screen ", sheets 1 through 11 of 11, prepared by Souffront Construction's Group, Ltd. Co., dated 12/16/16, signed and sealed by Oscar Yamir Souffront, P.E. on 02/01/2017*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*


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

Product Control Section Supervisor

NOA No 23-1222.02

Expiration Date: 05/18/2027

Approval Date: 03/07/2024

C.G.S. Sales, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None*

F. STATEMENTS

1. *Statement letter of compliance with the FBC, 2017 Edition, prepared by Souffront Construction's Group, Ltd. Co., dated 07/03/2018, signed and sealed by Oscar Yamir Souffront, P.E. on 07/03/2018.*

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 21-0427.05

A. DRAWINGS

1. *Drawing No. SCG0509-16, titled " Operable Impact Resistant Window Screen ", sheets 1 through 11 of 11, prepared by Souffront Construction's Group, Ltd. Co., dated 12/16/2016, latest revision #2 dated 06/14/21, signed and sealed by Oscar Yamir Souffront, P.E. on 06/22/2021.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None*

F. STATEMENTS

1. *Statement letter of compliance with the FBC, 2020 Edition, prepared by Souffront Construction's Group, Ltd. Co., dated 06/21/2021, signed and sealed by Oscar Yamir Souffront, P.E. on 06/22/2021.*

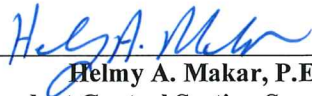
4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 22-0208.02

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No 23-1222.02
Expiration Date: 05/18/2027
Approval Date: 03/07/2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None*

F. STATEMENTS

1. *Statement letter of compliance with the FBC, 2020 Edition, prepared by Souffront Construction's Group, Ltd. Co., dated 06/21/2021, signed and sealed by Oscar Yamir Souffront, P.E. on 06/22/2021.*

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. SCG0509-16, titled " Operable Impact Resistant Window Screen ", sheets 1 through 11 of 11, prepared by Souffront Construction's Group, Ltd. Co., dated 12/16/2016, latest revision #3 dated 12/20/2023, signed and sealed by Oscar Yamir Souffront, P.E. on 12/21/2023.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE


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

E. MATERIAL CERTIFICATIONS

1. *None*

F. STATEMENTS

1. *Statement letter of compliance with the FBC, 2023 Edition, prepared by Souffront Construction's Group, Ltd. Co., dated 12/20/2023, signed and sealed by Oscar Yamir Souffront, P.E. on 12/21/2023.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No 23-1222.02
Expiration Date: 05/18/2027
Approval Date: 03/07/2024

OPERABLE IMPACT RESISTANT WINDOW SCREEN

GENERAL NOTES

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. THIS PRODUCT IS RATED IMPACT RESISTANT FOR LARGE AND SMALL MISSILE, THEREFORE, MIAMI-DADE COUNTY'S APPROVED HURRICANE PROTECTION SYSTEM (SHUTTERS) ARE NOT REQUIRED WHEN PRODUCT IS USED OR INSTALLED IN WIND-BORNE DEBRIS REGIONS.
3. THE DESIGN LOADS SHOWN IN THIS DOCUMENT FOR THIS PRODUCT ARE ALLOWABLE DESIGN LOADS. ULTIMATE DESIGN LOADS OBTAINED FROM ASCE 7-10, MULTIPLIED BY 0.6 SHALL BE LESS THAN OR EQUAL TO PRODUCT'S MAXIMUM DESIGN LOADS IN THIS DOCUMENT.
4. WOOD BUCKS DEPICTED AS "1X" ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1-1/2" AND ARE OPTIONAL IF PRODUCT CAN BE INSTALLED DIRECTLY TO SUBSTRATE.
WOOD BUCKS DEPICTED AS "2X" ARE BUCKS WHOSE TOTAL THICKNESS IS 1-1/2" OR GREATER.
"1X" AND "2X" WOOD BUCKS, WHEN USED, SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS IMPOSED ON THEM BY THE DOOR TO THE BUILDING STRUCTURE.
THE DESIGN AND INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHER OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
5. THE INSTALLATION CONDITIONS DEPICTED ON DETAILS OF THIS DOCUMENT ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE.
SITE SPECIFIC CONDITIONS THAT DEViate FROM THE CONDITIONS DETAILED HEREIN, SHALL BE PREPARED BY A REGISTERED ENGINEER OR ARCHITECT WHO WILL BECOME RESPONSIBLE FOR THE PROPER USE OF THIS PRODUCT APPROVAL DOCUMENT AND SHALL BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
6. INSTALLATION ANCHOR CAPACITY, ANCHOR SPACING, ANCHOR EMBEDMENT AND EDGE DISTANCE LIMITS ARE BASED ON MINIMUM PROPERTIES OF SUBSTRATE MATERIALS, AS INDICATED IN ANCHOR NOTES AND SPECIFICATIONS SECTION.
7. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS, SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.
8. MATERIAL FOR WINDOWS FRAME AND PANELS TO BE WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.55
9. EGRESS REQUIREMENT: COMPLIANCE WITH THIS FEATURE, WHEN REQUIRED, SHALL BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

ANCHOR NOTES AND SPECIFICATIONS

INSTALLATION ANCHORS SHALL BE COATED CARBON STEEL CORROSION RESISTANT AND INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS OF THE ANCHOR'S MANUFACTURER. ANCHOR TYPE SHALL BE AS INDICATED BELOW AND AS NOTED ON INSTALLATION DETAIL DRAWINGS OF THIS DOCUMENT. ANCHOR EMBEDMENT INTO SUBSTRATE MATERIAL SHALL BE BEYOND ANY FINISH MATERIAL.

1.- ANCHOR TYPE AND EMBEDMENT

Ø1/4" X 2 1/2" ULTRACON HEX FLANGE HEAD (HFH) BY DEWALT

- INTO WOOD FRAMING OR "2X" WOOD BUCK, 1-1/2" MIN. EMBEDMENT
- INTO POURED CONCRETE OR CONCRETE BLOCK WALL, 1-3/4" MIN. EMBEDMENT

#14 SMS. ITW BUILDEX, INC. STAINLESS STEEL TEK OR SELF-DRILLING SCREW (GRADE 5)

- INTO METAL STRUCTURES:

ANCHOR LENGTH SHALL BE SUFFICIENT AS TO ACHIEVE 3 THREADS MIN. BEYOND THE STRUCTURE'S INTERIOR WALL.

- a) STEEL STUDS: 16 ga MIN., fy = 36 ksi YIELD STRENGTH MIN.
b) ALUMINUM: 1/8" WALL THICKNESS MIN., ALLOY 6063-T6 MIN.

2.- EDGE DISTANCE

EDGE DISTANCE SHALL BE BEYOND ANY FINISH MATERIAL AS INDICATED BELOW FOR THE FOLLOWING SUBSTRATES.

- POURED CONCRETE AND CONCRETE BLOCK WALL: 2-3/8" MIN.
- METAL STRUCTURES: 1/2" MIN.
- WOOD: 1" MIN.

3.- SUBSTRATE MATERIAL REQUIREMENTS

ANCHOR CAPACITIES ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

- WOOD: MINIMUM SPECIFIC GRAVITY OF 0.55
- STEEL: MINIMUM YIELD STRENGTH OF 36 ksi
- ALUMINUM: ALLOY AND TEMPER 6063-T5 MINIMUM, MINIMUM WALL THICKNESS OF 0.125"
- CONCRETE: MINIMUM COMPRESIVE STRENGTH OF 3000 psi
- CONCRETE BLOCK OR MASONRY: MINIMUM COMPRESIVE STRENGTH OF 3000 psi, CONFORMING WITH ASTM C-90
- GROUT WITH MINIMUM COMPRESIVE STRENGTH OF 2000 psi, CONFORMING TO ASTM C-476

DRAWING INDEX

- SHEET 1. -GENERAL NOTES / ANCHOR NOTES AND SPECIFICATIONS
SHEET 2. -DOOR ELEVATIONS / ANCHOR LAYOUT
SHEET 2A -DOOR ELEVATIONS / ANCHOR LAYOUT
SHEET 3. -VERTICAL SECTION DETAILS
SHEET 4. -VERTICAL SECTION DETAILS
SHEET 5. -HORIZONTAL SECTION DETAILS

Product as complying with the Florida Building Code
Acceptance No. 23-1222.02
Expiration Date 05/18/2027
By *Helga A. Man*
Miami Dade Product Control

Signed & Sealed

December 21 2023



Souffront Construction's Group, Ltd. Co.
2942 SW 156th AVENUE
Miami, FL 33185
Phone (786) 306-9417
Souffrontengineering@gmail.com

C.G.S. SALES INC.

44729 St. Rt. 14
Columbiana, OH 44408
Phone (330) 501-4396 FAX No (330) 457-9539

OPERABLE IMPACT RESISTANT WINDOW SCREEN
LARGE AND SMALL MISSILE IMPACT RESISTANT

GENERAL NOTES / ANCHOR NOTES AND SPECIFICATIONS

DESCRIPTION

2017 FLORIDA BUILDING CODE (FBC) 6TH EDITION
2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION
2023 FLORIDA BUILDING CODE (FBC) 8TH EDITION

PREPARED BY OSCAR YAMIR SOUFFRONT, P.E.
2171 SW BURMAN LANE
PORT SAINT LUCIE, FL 34984 PH. (786) 306-9417
FLORIDA LICENSE No. 72462
CERTIFICATE OF AUTHORIZATION No. 29697

DRAWN: YYS
CHECKED: OYS
SCALE: AS NOTED
DATE: 12-16-16

DRAWING No.

SHEET

SCG0509-16

1 OF 11

OPERABLE IMPACT RESISTANT WINDOW SCREEN

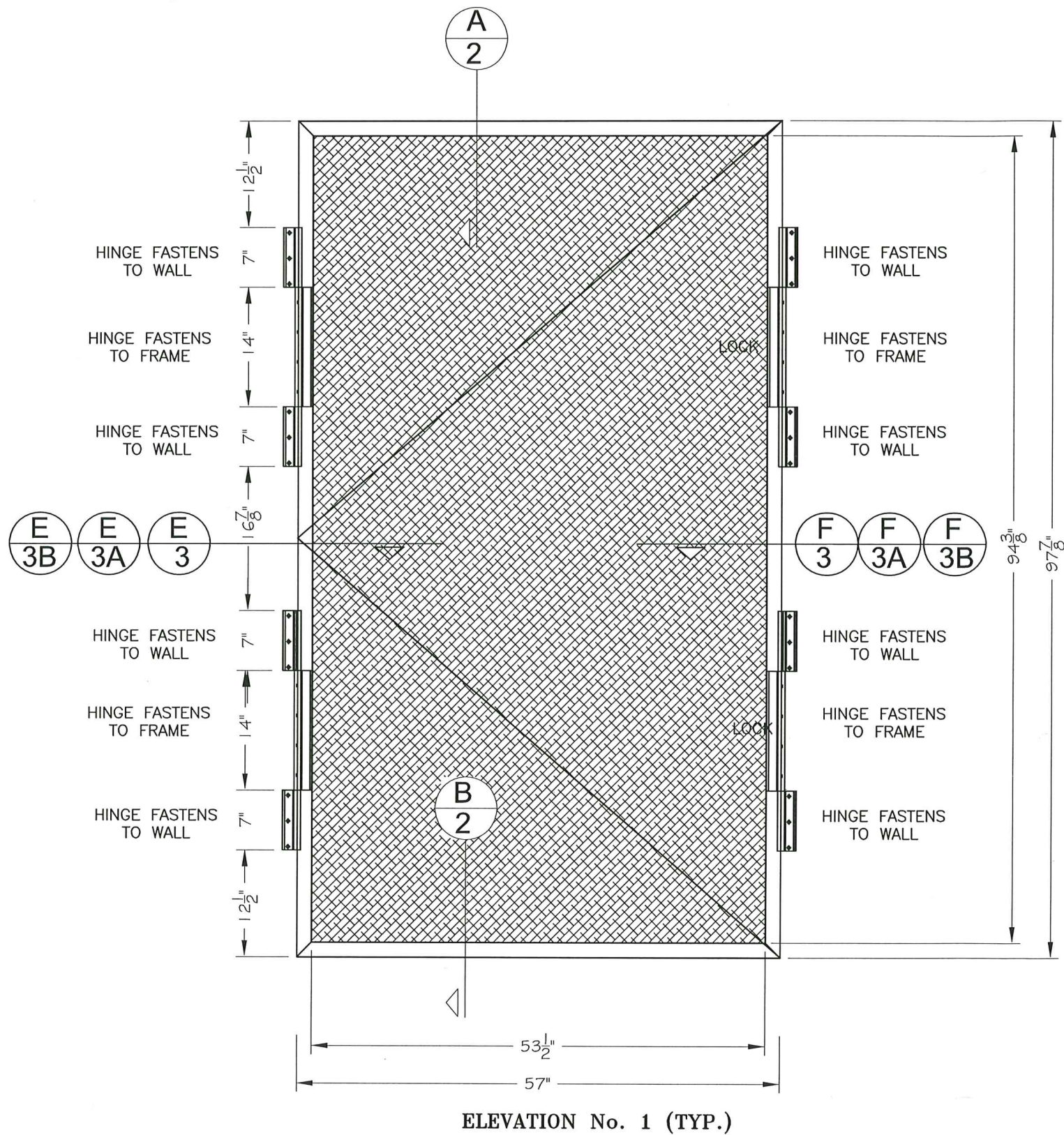


TABLE No. 1

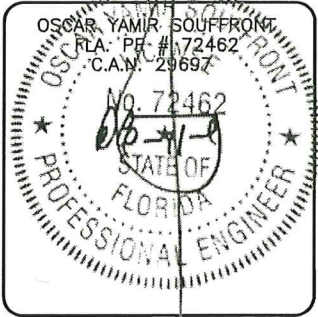
MAXIMUM ALLOWABLE DESIGN PRESSURES (DP) OVERALL AND ROUGH OPENING SIZES	
TYPE: HINGES AND LOCKS ON SIDES	
MAXIMUM INWARD PRESSURE = + 100 PSF MAXIMUM LEEWARD PRESSURE= - 100 PSF	
MAXIMUM OVERAL SIZE (INCHES)	WIDTH = 57" HEIGHT= 97 7/8"
MAXIMUM ROUGH OPENING (INCHES)	WIDTH = 53 1/2" HEIGHT= 94 3/8"

INSTRUCTIONS:

- STEP 1** DETERMINE DESIGN WIND PRESSURE REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD. INWARD AND LEEWARD PRESSURE DETERMINED MUST BE EQUAL OR LESS THAN THE SPECIFIED IN TABLE No 1
- STEP 2** SEE TABLE No 1 ON SHEET 2 FOR MAXIMUM OVERAL SIZE AND ROUGH OPENING
- STEP 3** CHECK SUBSTRATE WHERE HINGES WILL BE ANCHORED
- STEP 4** CHOOSE ANCHORS, SPACING, EMBEDMENT AND EDGE DISTANCE AS PER TABLE No. 3.
- STEP 5** ANCHOR QUANTITY AS SHOWN IN ELEVATION No. 1 (TYP.)

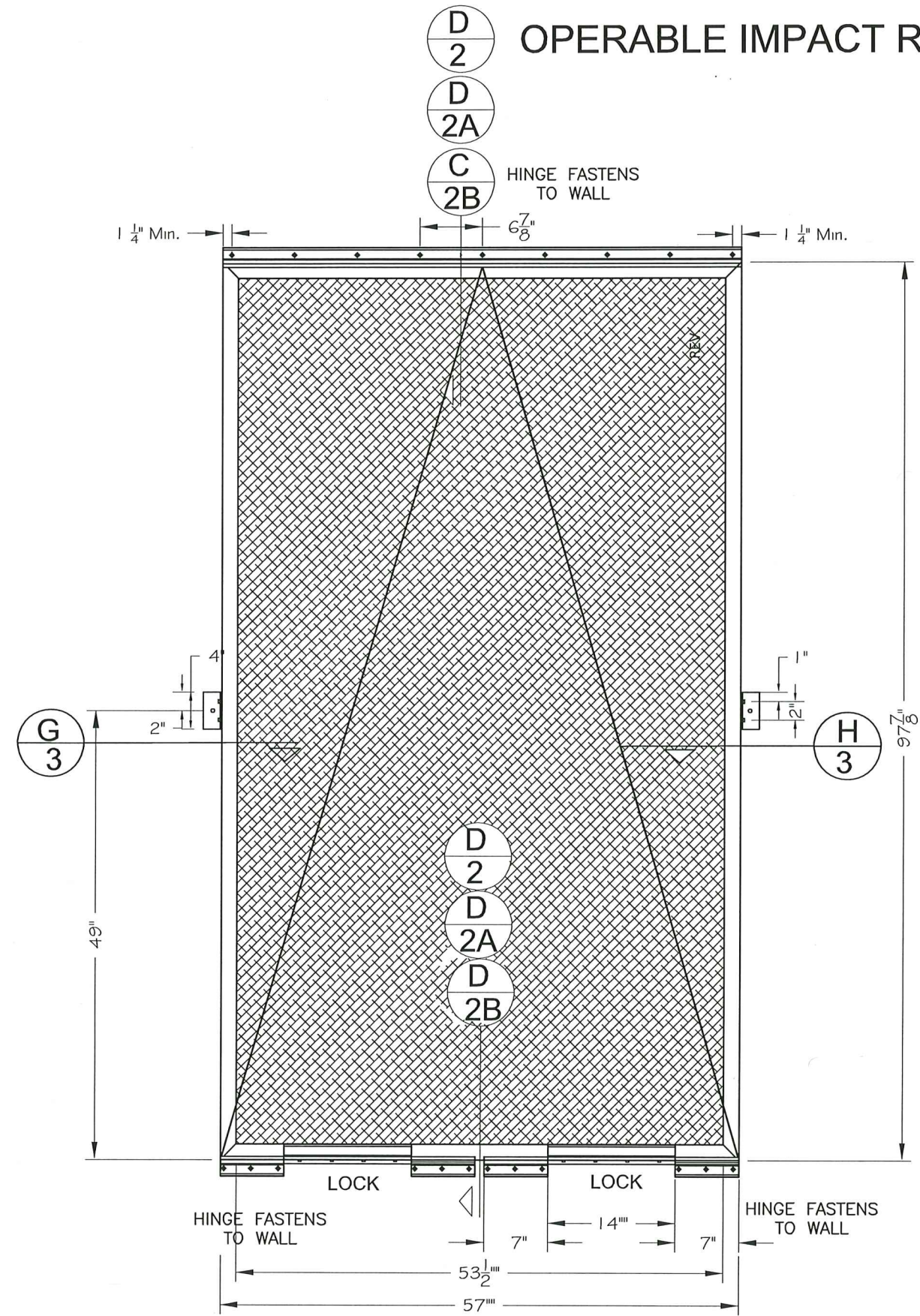
PRODUCT REVISED
as complying with the Floria.
Building Code
Acceptance No. 23-1222.02
Expiration Date 05/18/2027
By H. A. N. P.
Miami Date Product Control

Signed & Sealed
December 21 2023



Souffront Construction's Group, Ltd. Co. 2942 SW 156th AVENUE Miami, FL 33185 Phone (786) 306-9417 Souffrontengineering@gmail.com		C.G.S. SALES INC. 44729 St. Rt.14 Columbiana, OH 44408 Phone (330) 501-4396 FAX No (330) 457-9539	
OPERABLE IMPACT RESISTANT WINDOW SCREEN LARGE AND SMALL MISSILE IMPACT RESISTANT		DESCRIPTION 2017 FLORIDA BUILDING CODE (FBC) 6TH EDITION 2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION 2023 FLORIDA BUILDING CODE (FBC) 8TH EDITION	
REV.	DATE	DATE	DATE
1	05-16-2018	05-16-2018	05-16-2018
2	06-14-2021	06-14-2021	06-14-2021
3	12-20-2023	12-20-2023	12-20-2023
DRAWN: YYS	PREPARED BY OSCAR YAMIR SOUFFRONT, P.E.	2171 SW BURMAN LANE	PH. (786) 306-9417
CHECKED: OYS	PORT SAINT LUCIE, FL 34984	FLORIDA LICENSE No. 72462	
SCALE: AS NOTED	CERTIFICATE OF AUTHORIZATION No. 29697		
DATE: 12-16-16			
DRAWING No.	SHEET	SCG0509-16 2 OF11	

OPERABLE IMPACT RESISTANT WINDOW SCREEN



ELEVATION No. 2 (TYP.)

TABLE No. 2

MAXIMUM ALLOWABLE DESIGN PRESSURES (DP) OVERALL AND ROUGH OPENING SIZES	
TYPE: HINGES AND LOCKS TOP & BOTTOM	
MAXIMUM INWARD PRESSURE = + 100 PSF MAXIMUM LEEWARD PRESSURE= - 100 PSF	
MAXIMUM OVERAL SIZE (INCHES)	
WIDTH = 57"	
HEIGHT= 97 7/8"	
MAXIMUM ROUGH OPENING (INCHES)	
WIDTH = 57 1/2"	
HEIGHT= 97 7/8"	

- INSTRUCTIONS:
- STEP 1 DETERMINE DESIGN WIND PRESSURE REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD. INWARD AND LEEWARD PRESSURE DETERMINED MUST BE EQUAL OR LESS THAN THE SPECIFIED IN TABLE No 1
- STEP 2 SEE TABLE No 2 ON SHEET 3 FOR MAXIMUM OVERAL SIZE AND ROUGH OPENING
- STEP 3 CHECK SUBSTRATE WHERE HINGES WILL BE ANCHORED
- STEP 4 CHOOSE ANCHORS, SPACING, EMBEDMENT AND EDGE DISTANCE AS PER TABLE No. 3.
- STEP 5 ANCHOR QUANTITY AS SHOWN IN ELEVATION No. 2 (TYP.)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-1222.02
Expiration Date 05/18/2027
By *H. G. Allen*
Miami Data Product Control

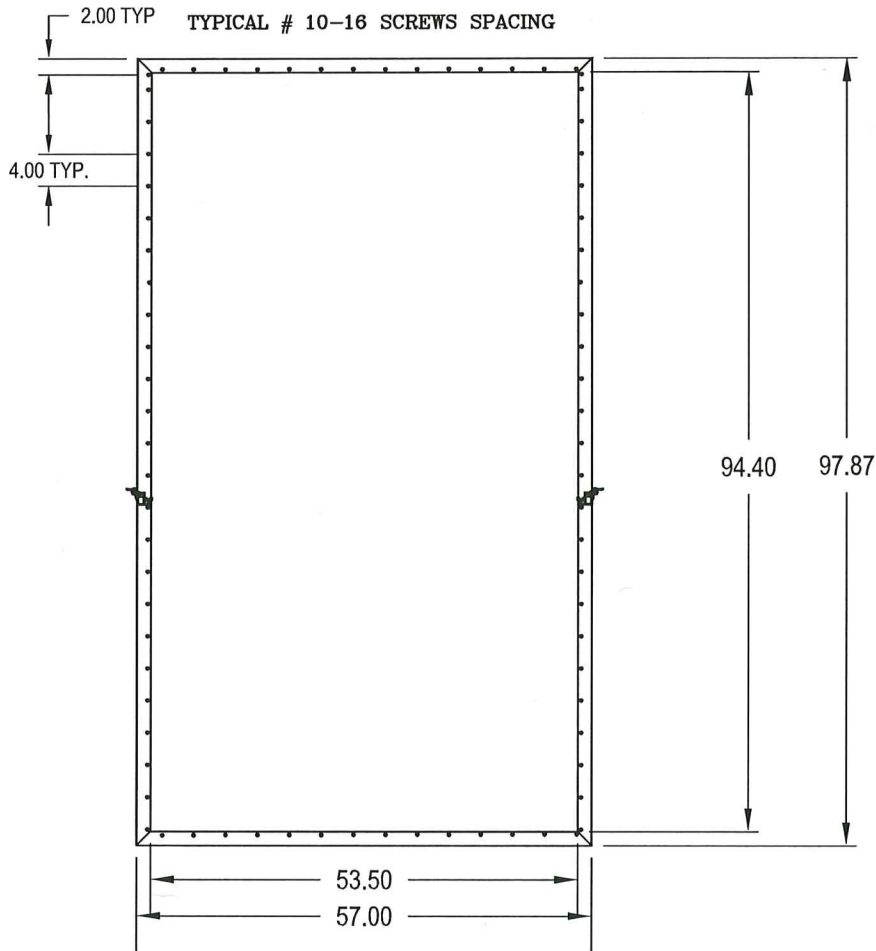
Signed & Sealed
December 21 2023

OSCAR YAMIR SOUFFRONT
FLA. PE / # 72462
C.A. No. 29697

NO. 72462
STATE OF FLORIDA
PROFESSIONAL ENGINEER

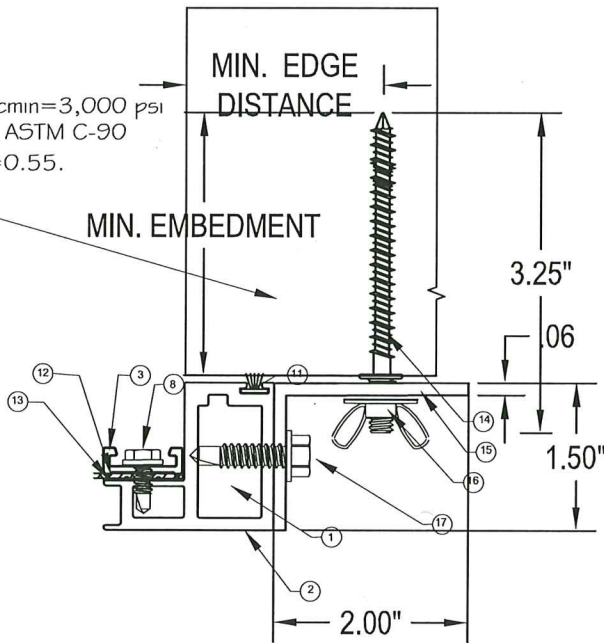
Souffront Construction's Group, Ltd. Co. 2942 SW 156th AVENUE Miami, FL 33185 Phone (786) 306-9417 Souffrontengineering@gmail.com		C.G.S. SALES INC. 44729 St. Rt.14 Columbiana, OH 44408 Phone (330) 501-4396 FAX No (330) 457-9539	
OPERABLE IMPACT RESISTANT WINDOW SCREEN LARGE AND SMALL MISSILE IMPACT RESISTANT			
REV.	DATE	DESCRIPTION	
1	05-16-2018	2017 FLORIDA BUILDING CODE (FBC) 6TH EDITION	
2	06-14-2021	2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION	
3	12-20-2023	2023 FLORIDA BUILDING CODE (FBC) 8TH EDITION	
DRAWN: YYS		PREPARED BY OSCAR YAMIR SOUFFRONT, P.E.	
CHECKED: OYS		2171 SW BURMAN LANE	
SCALE: AS NOTED		PORT SAINT LUCIE, FL 34984 PH. (786) 306-9417	
DATE: 12-16-16		FLORIDA LICENSE No. 72462	
		CERTIFICATE OF AUTHORIZATION No. 29697	
DRAWING No.		SHEET	
SCG0509-16		3 OF 11	

OPERABLE IMPACT RESISTANT WINDOW SCREEN



BACK ELEVATION (TYP.)

NORMAL WEIGHT CONCRETE with $f_{cmin}=3,000$ psi
CONCRETE BLOCK or MASONRY ASTM C-90
WOOD STRUCTURES $G_{min}=0.55$.



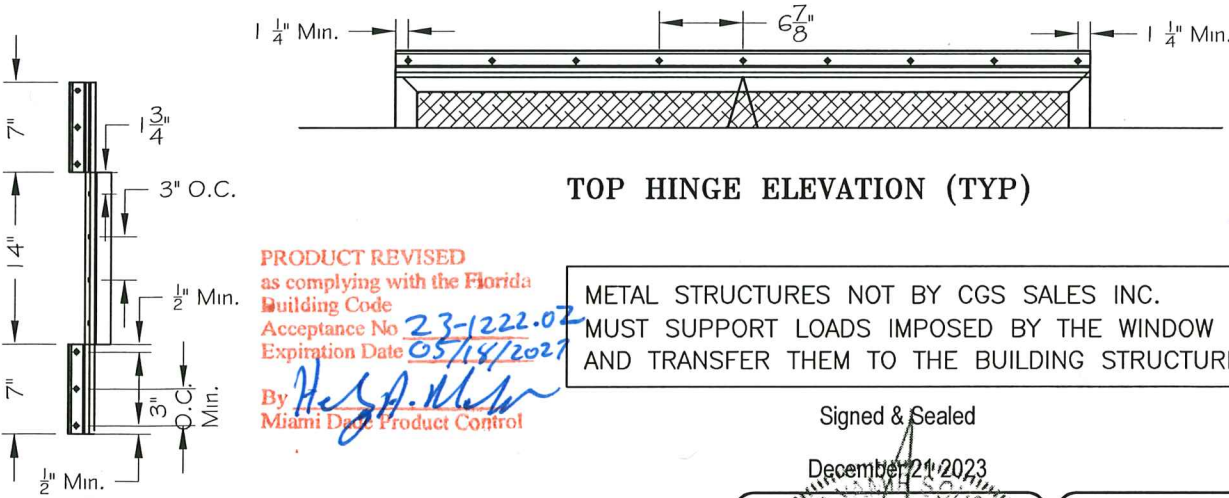
RIGHT HORIZONTAL SECTION

TABLE No. 3

TYPE 'A'
1/4" DIA ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)
DIRECTLY INTO CONCRETE
WITH 1-3/4" MIN. EMBED.
DIRECTLY INTO CONCRETE BLOCK OR MASONRY
WITH 1-3/4" MIN. EMBED.
DIRECTLY INTO WOOD STRUCTURE
WITH 1-1/2" MIN. EMBED..
ANCHOR EDGE DISTANCES
INTO CONCRETE = 3-1/8" MIN.
INTO CONCRETE BLOCK OR MASONRY = 3-1/8" MIN.
INTO WOOD STRUCTURE = 1" MIN.
TYPE 'B'
1/4" DIA SELF DRILLING TEK SCREWS ($F_u=100$ KSI, $F_y=65$ KSI)
DIRECTLY INTO METAL STRUCTURE (FULL EMBEDMENT.)
1/8" MIN. THICKNESS STEEL ASTM-A36 OR BETTER
1/8" MIN. THICKNESS ALUMINUM 6063-T5 OR BETTER
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
ANCHOR EDGE DISTANCES
INTO METAL STRUCTURE = 1/2" MIN.

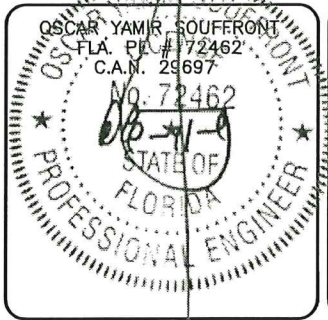
ANCHOR NOTES:

- 1.- WHERE INSTALLATION IS TO WOOD FRAMING OR WOOD BUCKS, THE WOOD FRAME OR WOOD BUCK SHALL BE ENGINEERED BY OTHERS TO TRANSFER THE LOADS INTO THE STRUCTURE.
- 2.- SPACING O.C. AS PER TYPICAL ELEVATIONS SHOWN BELOW

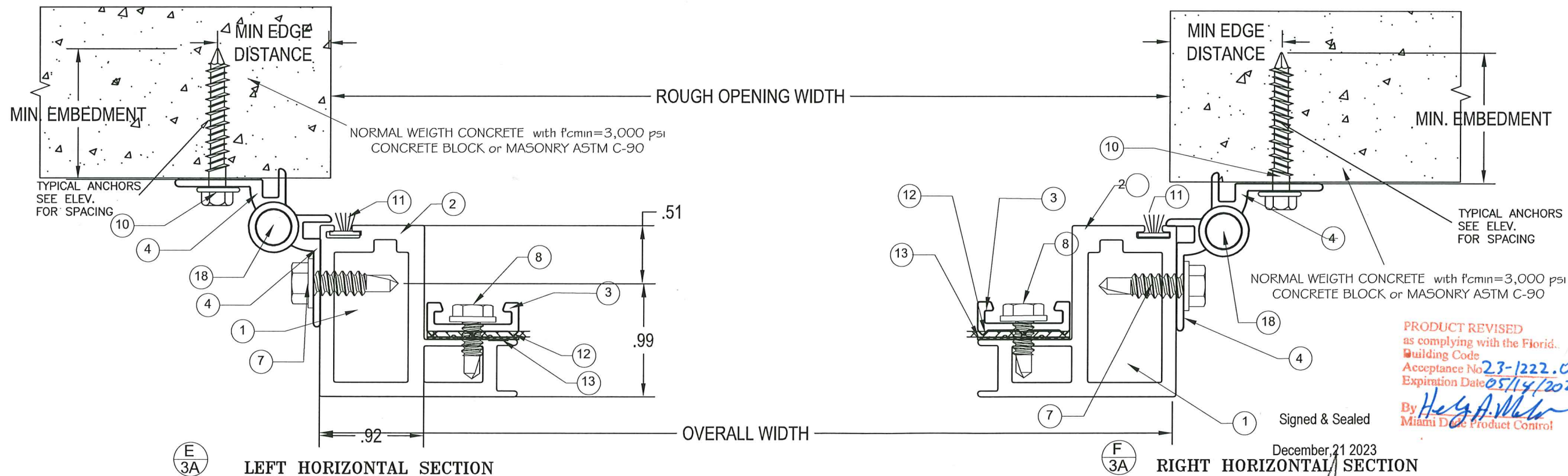
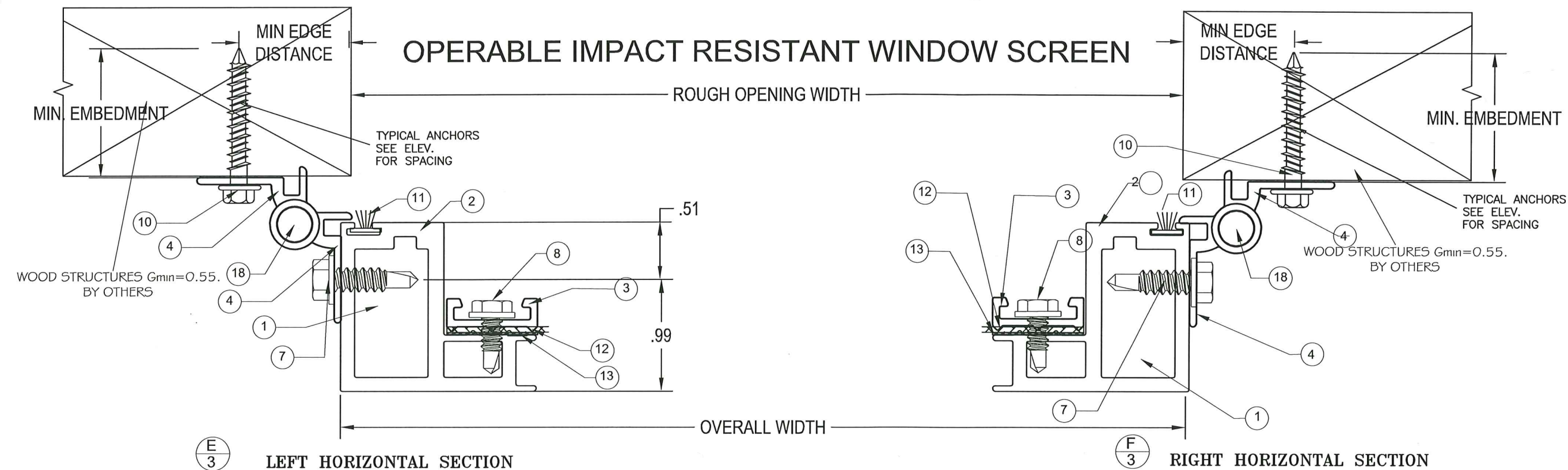


ELEVATION HINGES & LOCKS (TYP)

NOTE; HINGES AND LOCK FOR USE VERTICAL OR HORIZONTAL.

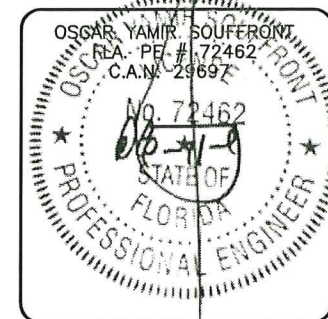


Souffront Construction's Group, Ltd. Co. 2942 SW 156th AVENUE Miami, FL 33185 Phone (786) 306-9417 Souffrontengineering@gmail.com			C.G.S. SALES INC. 44729 St. Rt. 14 Columbiana, OH 44408 Phone (330) 501-4396 FAX No (330) 457-9539		
OPERABLE IMPACT RESISTANT WINDOW SCREEN LARGE AND SMALL MISSILE IMPACT RESISTANT			PREPARED BY OSCAR YAMIR SOUFFRONT, P.E. 2171 SW BURMAN LANE PORT SAINT LUCIE, FL 34984 PH. (786) 306-9417 FLORIDA LICENSE No. 72462 CERTIFICATE OF AUTHORIZATION No. 29697		
REV.	DATE	DESCRIPTION	DRAWN: YYS	CHECKED: OYS	SCALE: AS NOTED
1	05-16-2018	2017 FLORIDA BUILDING CODE (FBC) 6TH EDITION			
2	06-14-2021	2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION			
3	12-20-2023	2023 FLORIDA BUILDING CODE (FBC) 8TH EDITION			
DRAWING No. SCG0509-16			SHEET 4 OF 11		



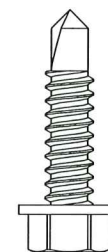
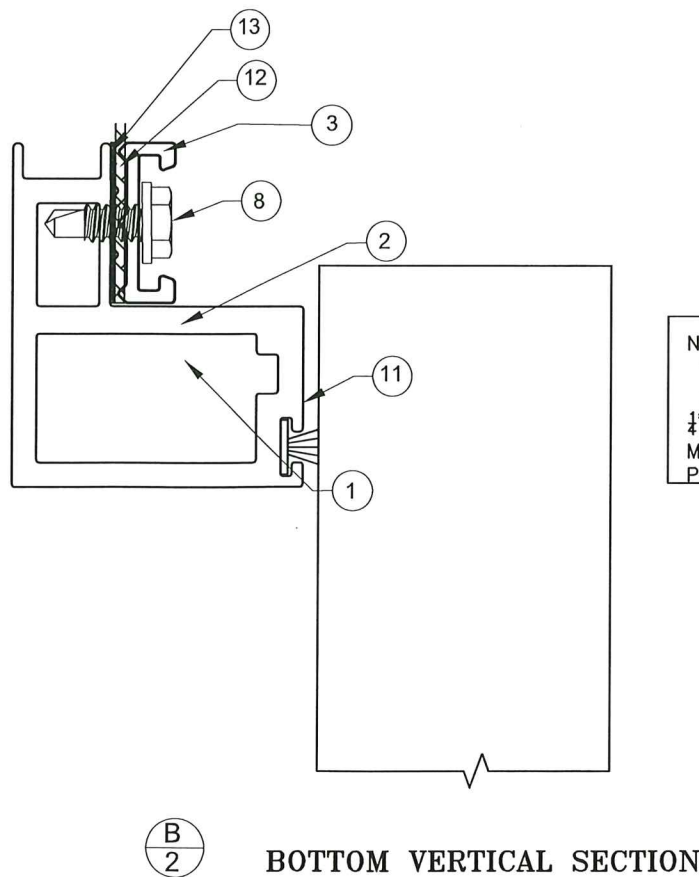
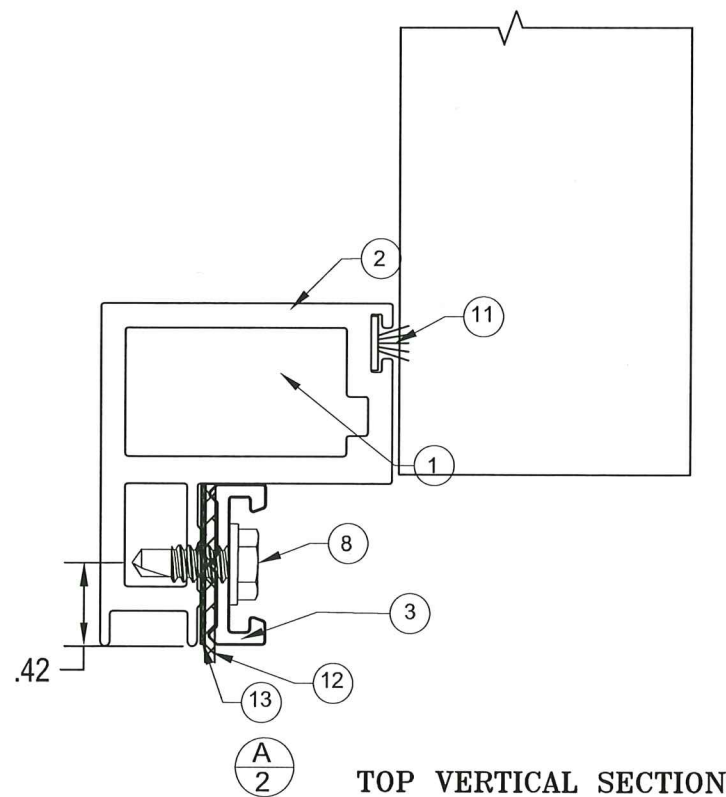
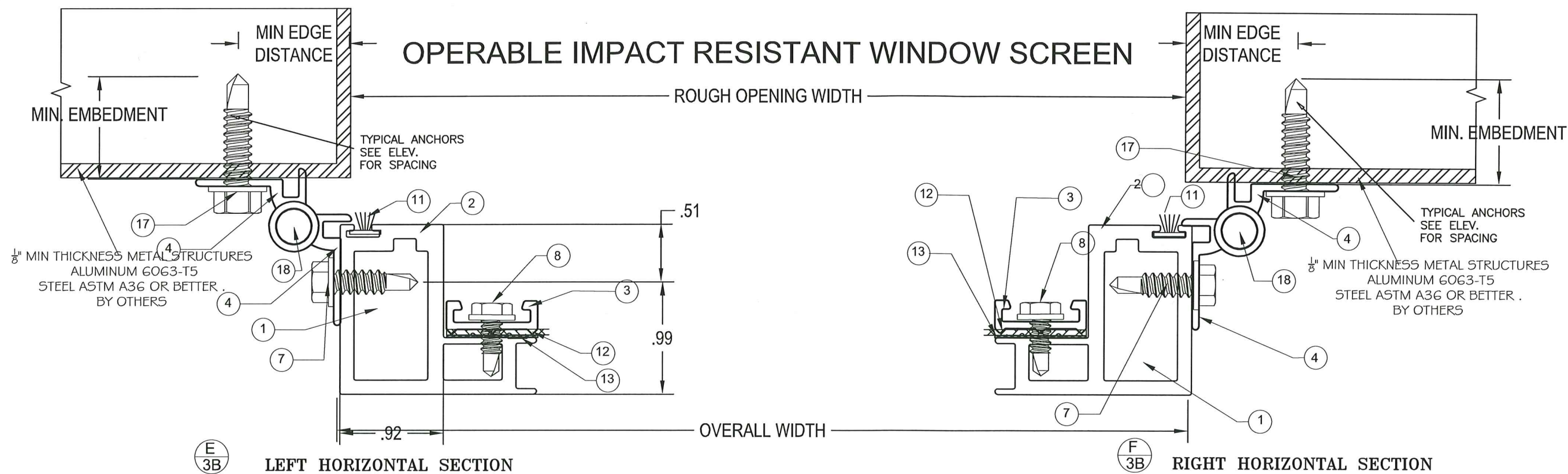
NOTES.

- 1.- MINIMUM EDGE DISTANCE AND EMBEDMENT AS PER TABLE # 3.
- 2.-SPACING AS PER TYPICAL ELEVATION # 1 OR # 2.
- $\frac{1}{4}$ " MAXIMUM GAP OR SHIM IN ANCHORS
- MORE THAN $\frac{1}{4}$ " GAP SHALL BE ENGINEERED BY FLORIDA PROFESSIONAL ENGINEER.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-1222.02
Expiration Date 05/14/2027
By *Heg A. M...*
Miami Date Product Control

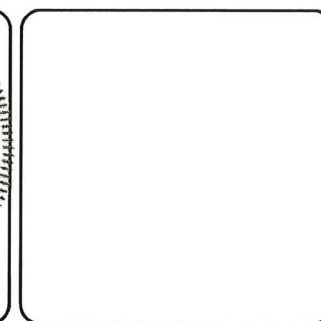
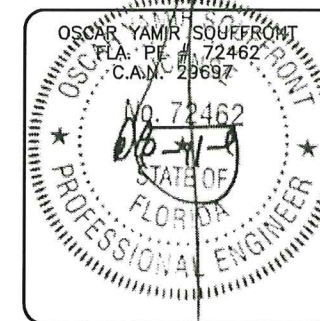
Souffront Construction's Group, Ltd. Co. 2942 SW 156th AVENUE Miami, FL 33185 Phone (786) 306-9417 Souffrontengineering@gmail.com			C.G.S. SALES INC. 44729 St. Rt.14 Columbiana, OH 44408 Phone (330) 501-4396 FAX No (330) 457-9539		
OPERABLE IMPACT RESISTANT WINDOW SCREEN LARGE AND SMALL MISSILE IMPACT RESISTANT			GENERAL NOTES / ANCHOR NOTES AND SPECIFICATIONS		
REV.	DATE	DESCRIPTION	DRAWN:	CHECKED:	SCALE:
1	05-16-2018	2017 FLORIDA BUILDING CODE (FBC) 6TH EDITION	YYS	OYS	AS NOTED
2	06-14-2021	2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION			
3	12-20-2023	2023 FLORIDA BUILDING CODE (FBC) 8TH EDITION			
PREPARED BY OSCAR YAMIR SOUFFRONT, P.E. 2171 SW BURMAN LANE PORT SAINT LUCIE, FL 34984 FLORIDA LICENSE No. 72462 CERTIFICATE OF AUTHORIZATION No. 29697			DATE: 12-16-16		
DRAWING No. SCG0509-16			SHEET 5 OF 11		




PRODUCT REVISED
as complying with the Florida:
Building Code
Acceptance No. 23-1222.02
Expiration Date 05/18/2027
By *H. G. A. M.*
Miami Date Product Control

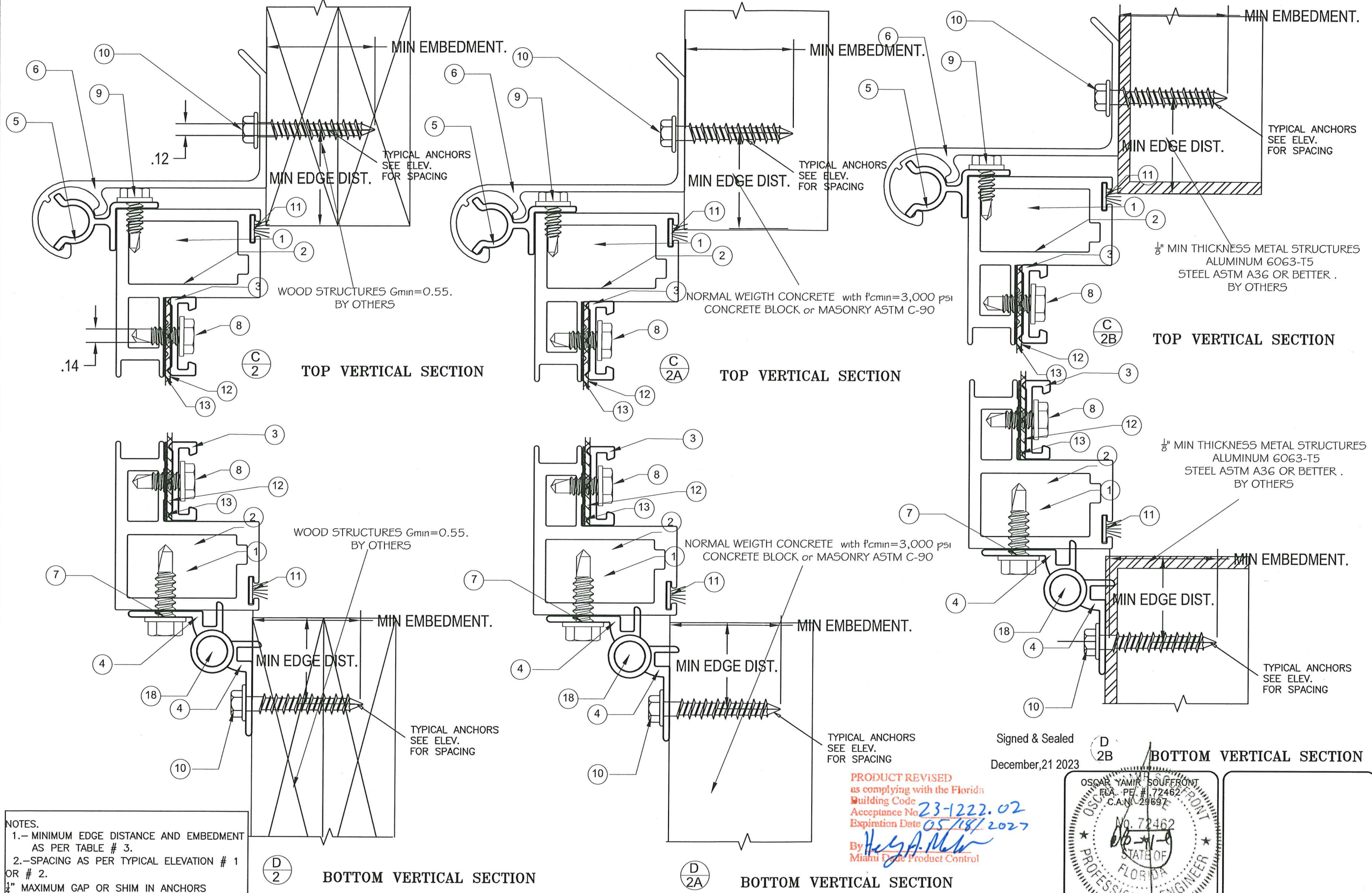
NOTES.
1.- MINIMUM EDGE DISTANCE AND EMBEDMENT AS PER TABLE # 3.
2.-SPACING AS PER TYPICAL ELEVATION # 1 OR # 2.
1/4" MAXIMUM GAP OR SHIM IN ANCHORS
MORE THAN 1/4" GAP SHALL BE ENGINEERED BY FLORIDA
PROFESSIONAL ENGINEER.

Signed & Sealed
December 21 2023



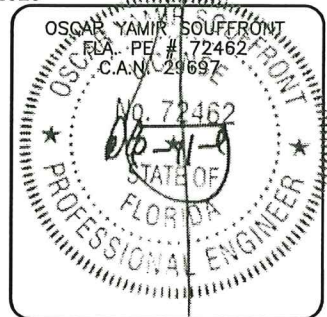
Souffront Construction's Group, Ltd. Co. 2942 SW 156th AVENUE Miami, FL 33185 Phone (786) 306-9417 Souffrontengineering@gmail.com				C.G.S. SALES INC. 44729 St. Rt.14 Columbiana, OH 44408 Phone (330) 501-4396 FAX No (330) 457-9539	
OPERABLE IMPACT RESISTANT WINDOW SCREEN LARGE AND SMALL MISSILE IMPACT RESISTANT					
REV.	DATE	DESCRIPTION			
1	05-16-2018	2017 FLORIDA BUILDING CODE (FBC) 6TH EDITION			
2	06-14-2021	2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION			
3	12-20-2023	2023 FLORIDA BUILDING CODE (FBC) 8TH EDITION			
DRAWN: YYS		PREPARED BY OSCAR YAMIR SOUFFRONT, P.E. 2171 SW BURMAN LANE			
CHECKED: OYS		PORT SAINT LUCIE, FL 34984 PH. (786) 306-9417			
SCALE: AS NOTED		FLORIDA LICENSE No. 72462			
DATE:12-16-16		CERTIFICATE OF AUTHORIZATION No. 29697			
DRAWING No.		SHEET			
SCG0509-16		6 OF 11			

OPERABLE IMPACT RESISTANT WINDOW SCREEN



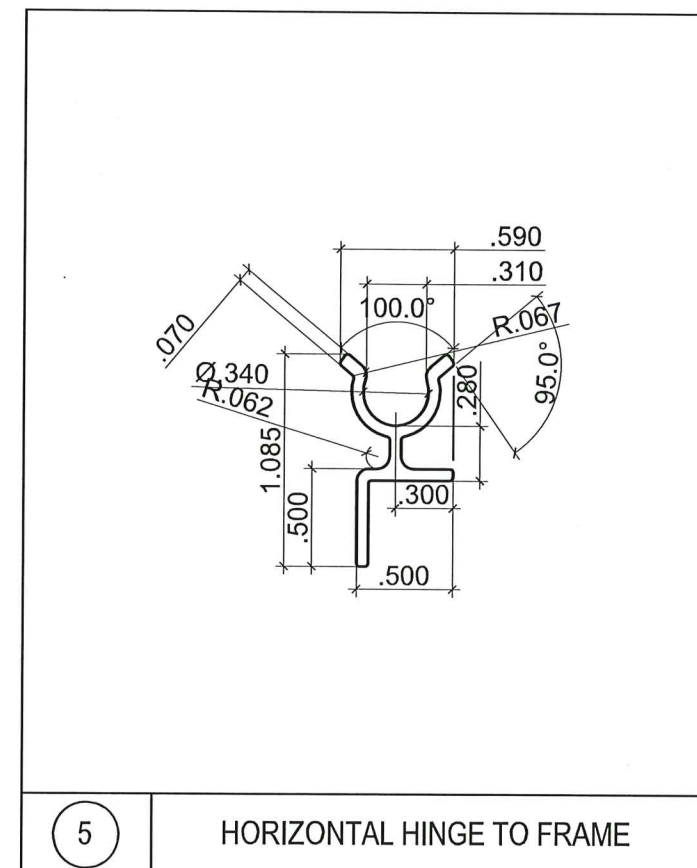
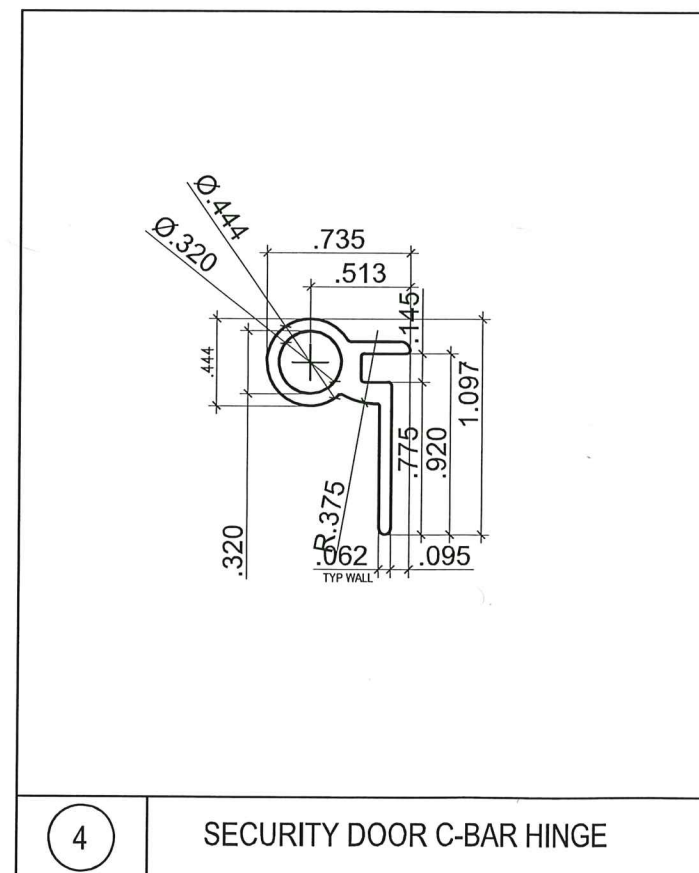
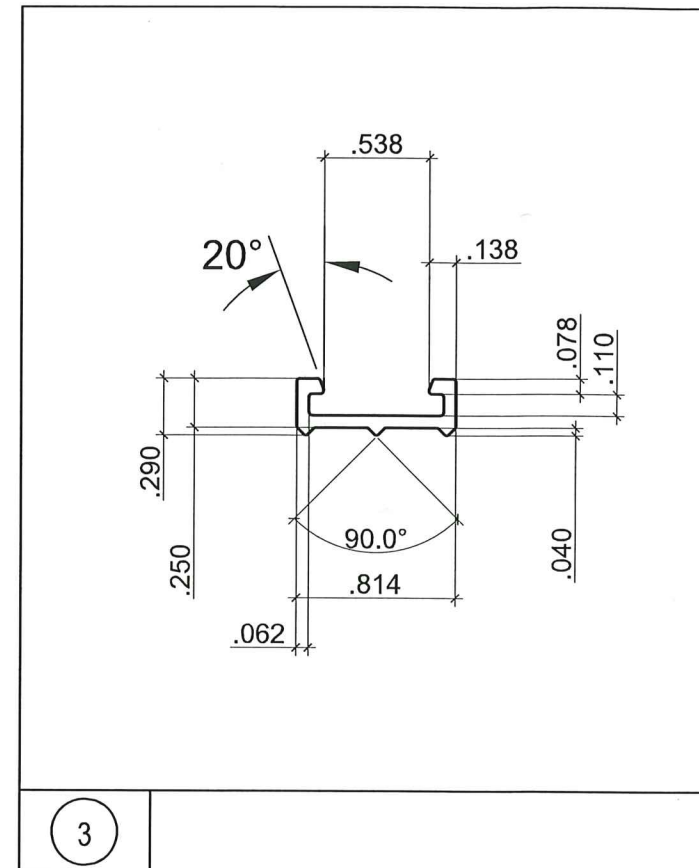
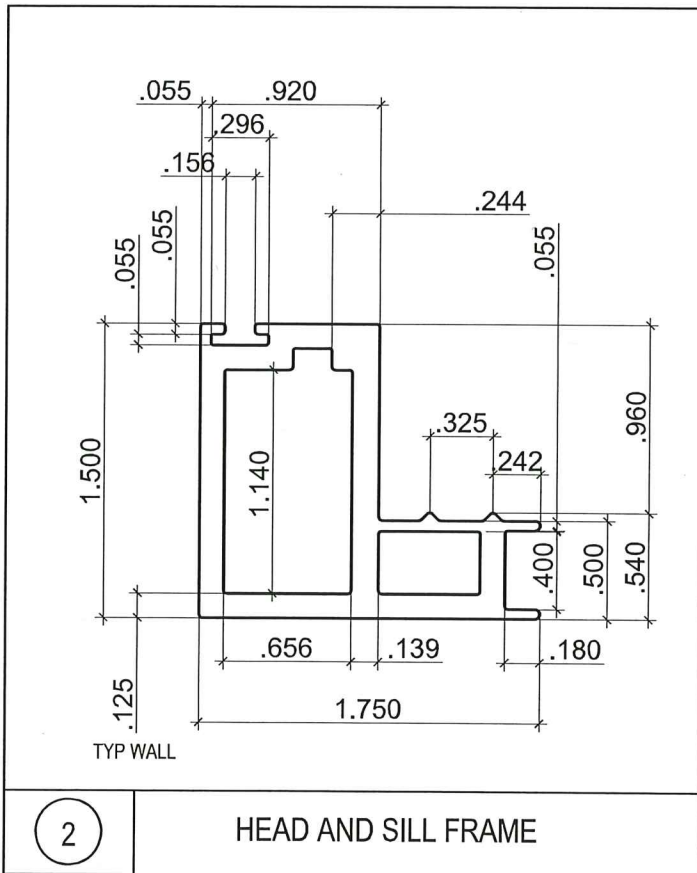
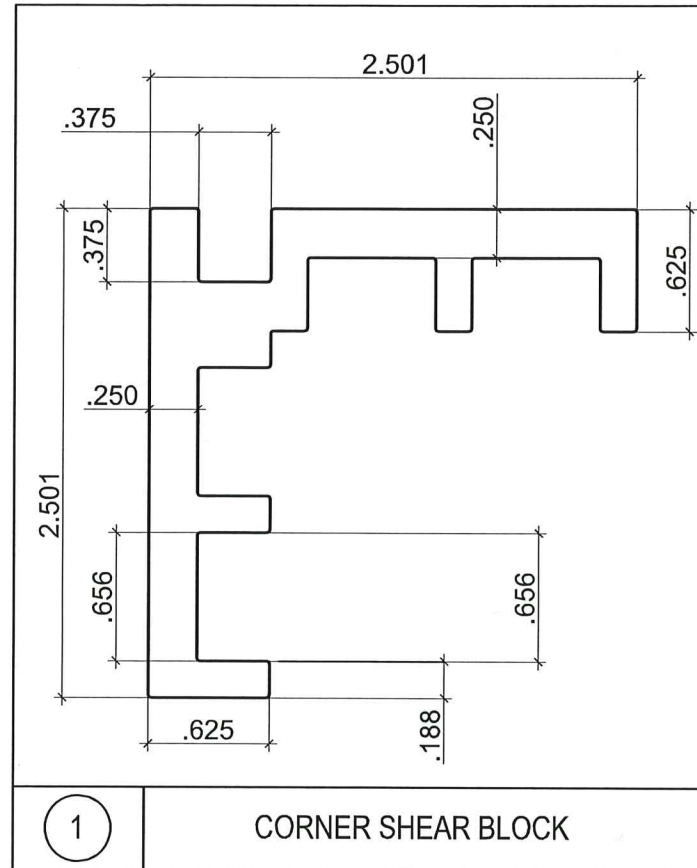
NOTES.
1.- MINIMUM EDGE DISTANCE AND EMBEDMENT AS PER TABLE # 3.
2.- SPACING AS PER TYPICAL ELEVATION # 1 OR # 2.
 $\frac{1}{4}$ " MAXIMUM GAP OR SHIM IN ANCHORS
MORE THAN $\frac{1}{4}$ " GAP SHALL BE ENGINEERED BY FLORIDA PROFESSIONAL ENGINEER.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-1222.02
Expiration Date 05/18/2027
By *H. A. M.*
Miami Date Product Control



Souffront Construction's Group, Ltd. Co. 2942 SW 156th AVENUE Miami, FL 33185 Phone (786) 306-9417 Souffrontengineering@gmail.com			C.G.S. SALES INC. 44729 St. Rt.14 Columbiana, OH 44408 Phone (330) 501-4396 FAX No (330) 457-9539		
OPERABLE IMPACT RESISTANT WINDOW SCREEN LARGE AND SMALL MISSILE IMPACT RESISTANT					
REV.	DATE	DESCRIPTION	DRAWN: YS	CHECKED: OYS	SCALE: AS NOTED
1	05-16-2018	2017 FLORIDA BUILDING CODE (FBC) 6TH EDITION			
2	06-14-2021	2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION			
3	12-20-2023	2023 FLORIDA BUILDING CODE (FBC) 8TH EDITION			
DRAWING No. SCG0509-16			SHEET 7 OF 11		
PREPARED BY OSCAR YAMIR SOUFFRONT, P.E. 2171 SW BURMAN LANE PORT SAINT LUCIE, FL 34984 PH. (786) 306-9417 FLORIDA LICENSE No. 72462 CERTIFICATE OF AUTHORIZATION No. 29697			DATE: 12-16-16		

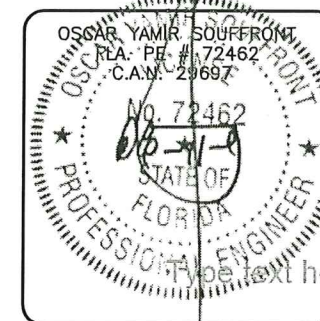
OPERABLE IMPACT RESISTANT WINDOW SCREEN




PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-1222.02
Expiration Date 05/18/2027
By Hely A. Miller
Miami-Dade Product Control

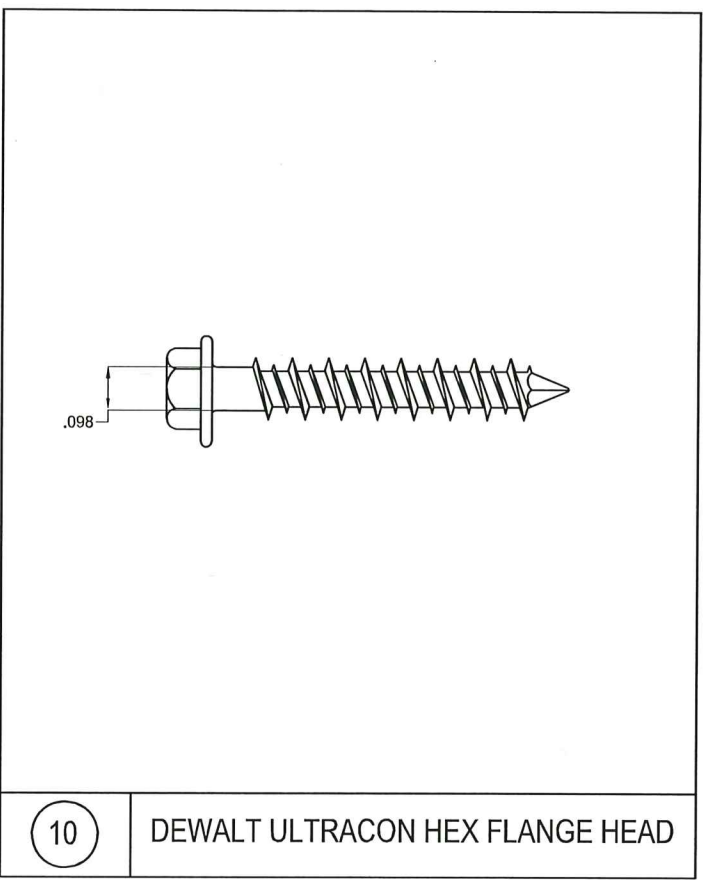
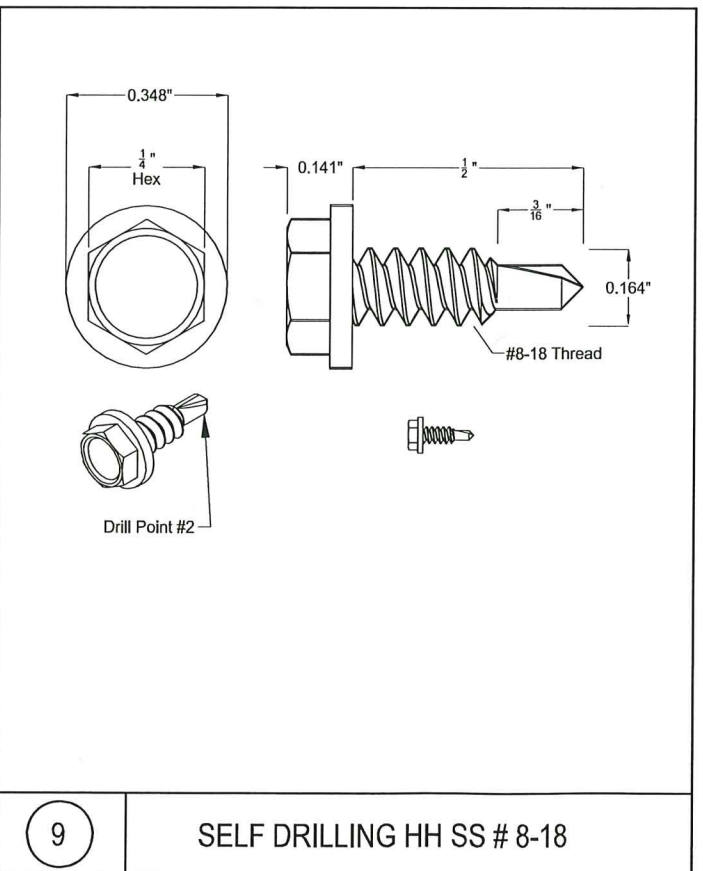
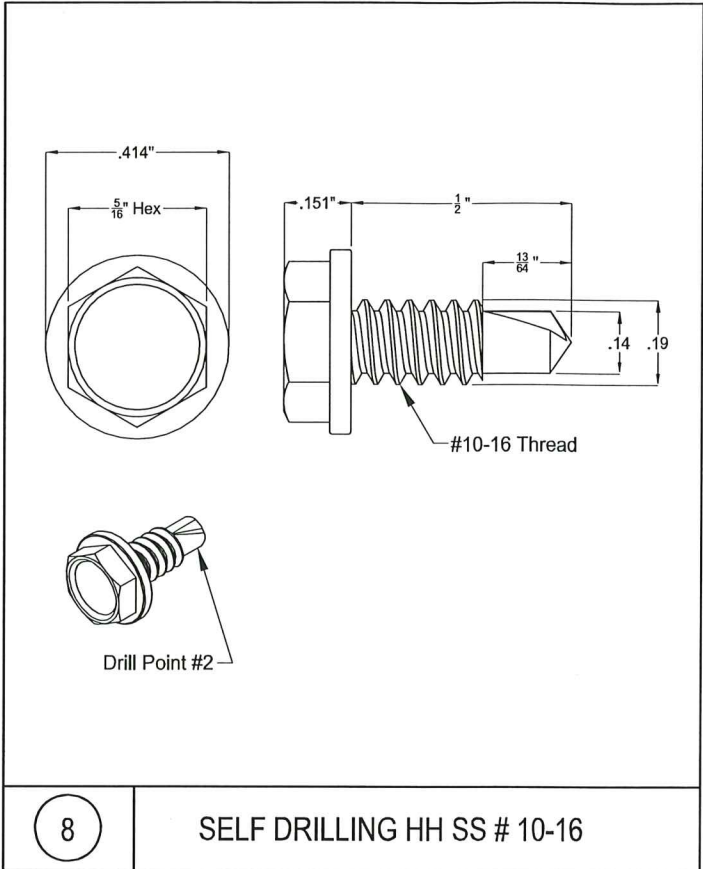
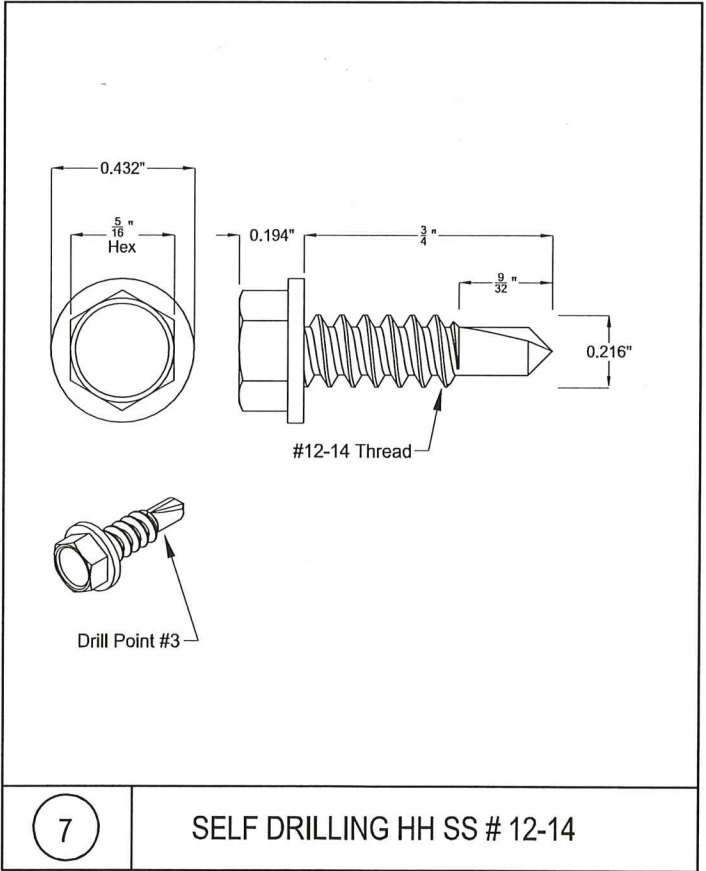
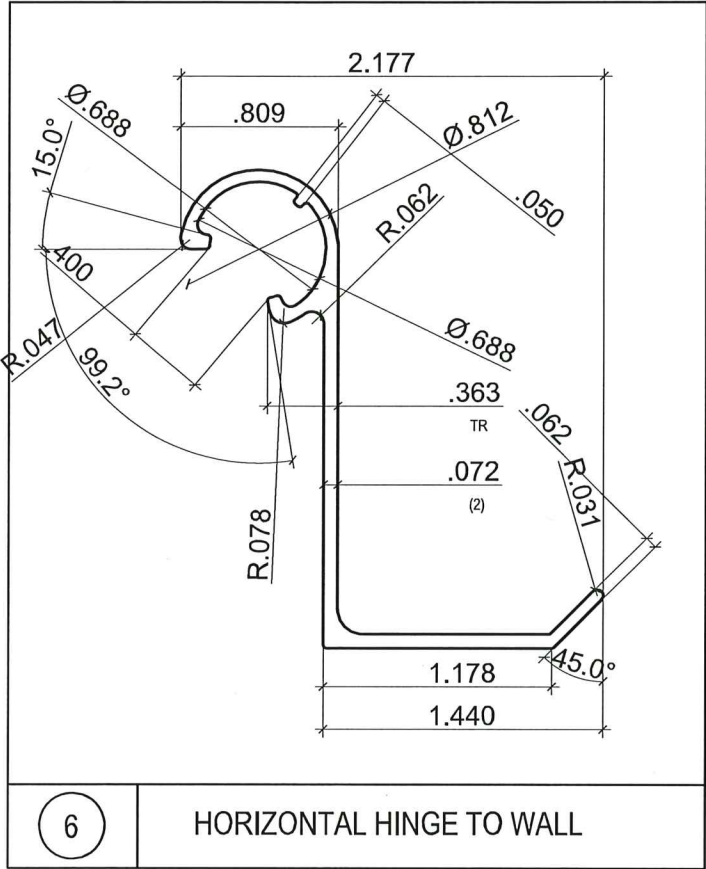
Signed & Sealed

December 21 2023

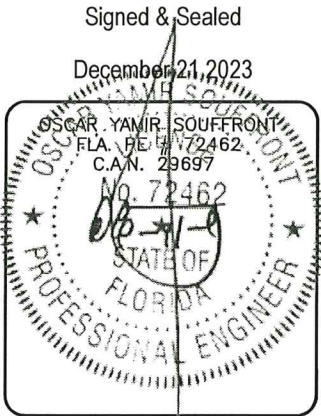



SCG0509-16		DRAWING No.		REV.	DATE	DESCRIPTION	OPERABLE IMPACT RESISTANT WINDOW SCREEN LARGE AND SMALL MISSILE IMPACT RESISTANT	 2942 SW 156th AVENUE Miami, FL 33185 Phone (786) 306-9417 Souffrontengineering@gmail.com	Souffront Construction's Group, Ltd. Co.
				1	05-16-2018	2017 FLORIDA BUILDING CODE (FBC) 6TH EDITION			
				2	06-14-2021	2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION			
				3	12-20-2023	2023 FLORIDA BUILDING CODE (FBC) 8TH EDITION			
8 OF 11		SHEET		DRAWN: YYS CHECKED: OYS SCALE: AS NOTED DATE: 12-16-16			PREPARED BY OSCAR YAMIR SOUFFRONT, P.E. 2171 SW BURMAN LANE PORT SAINT LUCIE, FL 34984 PH. (786) 306-9417 FLORIDA LICENSE No. 72462 CERTIFICATE OF AUTHORIZATION No. 29697		

OPERABLE IMPACT RESISTANT WINDOW SCREEN

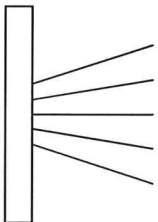


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-1222.02
Expiration Date 05/18/2027
By *Hely A. Mator*
Miami Dade Product Control



OPERABLE IMPACT RESISTANT WINDOW SCREEN LARGE AND SMALL MISSILE IMPACT RESISTANT			 <div>Souffront Construction's Group, Ltd. Co. 2942 SW 156th AVENUE Miami, FL 33185 Phone (786) 306-9417 Souffrontengineering@gmail.com</div>		C.G.S. SALES INC. 44729 St. Rt.14 Columbiana, OH 44408 Phone (330) 501-4396 FAX No (330) 457-9539	
REV. DATE DESCRIPTION			PREPARED BY OSCAR YAMIR SOUFFRONT, P.E.			
1 05-16-2018 2017 FLORIDA BUILDING CODE (FBC) 6TH EDITION			2171 SW BURMAN LANE			
2 06-14-2021 2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION			PORT SAINT LUCIE, FL 34984 PH. (786) 306-9417			
3 12-20-2023 2023 FLORIDA BUILDING CODE (FBC) 8TH EDITION			FLORIDA LICENSE No. 72462			
			CERTIFICATE OF AUTHORIZATION No. 29697			
DRAWING No.			DRAWN: YYS		DATE:12-16-16	
SCG0509-16			CHECKED: OYS		9 OF 11	
			SCALE: AS NOTED			
			DATE:12-16-16			

OPERABLE IMPACT RESISTANT WINDOW SCREEN



11

SCHLEGEL BRUSH WEATHER SEAL



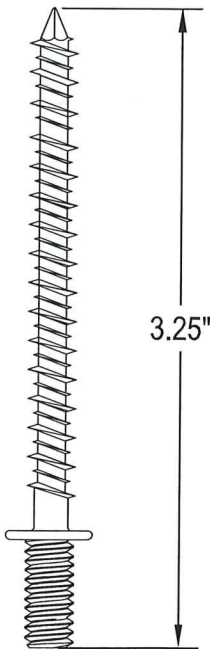
12

MESH 12 X 12 SCREEN



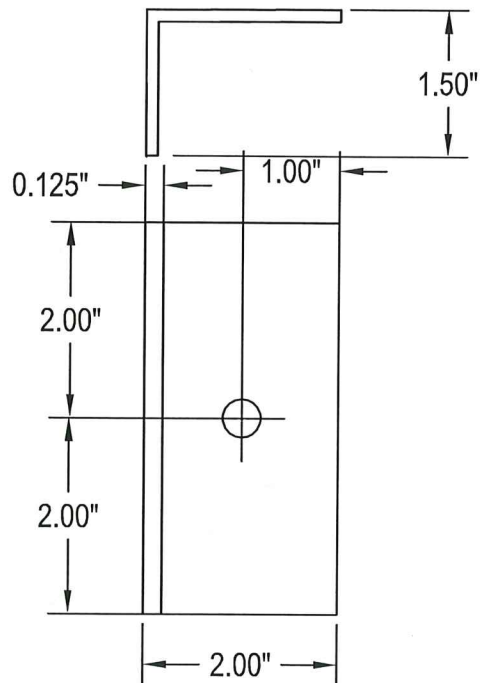
13

RUBBER GASKET



14

$\frac{1}{4}$ x 3 $\frac{1}{4}$ " DEWALT PANEL MATE PRO ANCHOR

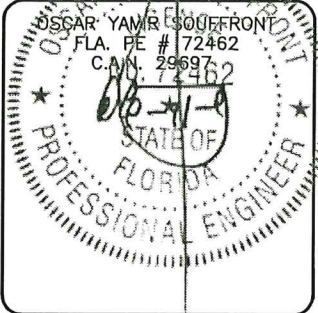


15

ALUMINUM ANGLE 2" x 1 $\frac{1}{2}$ x $\frac{1}{8}$ x 4" Long.

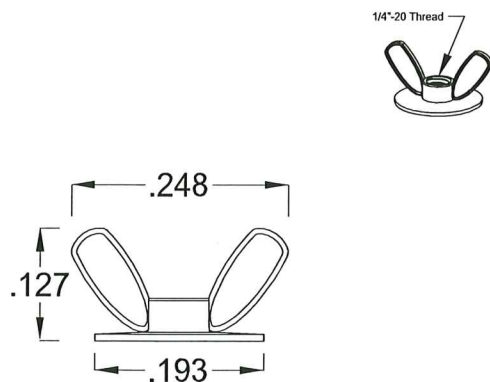
PRODUCT REVISED
as complying with the Florida:
Building Code
Acceptance No. 23-1222.02
Expiration Date 05/18/2027
By *H. G. A. Miller*
Miami Dad Product Control

Signed & Sealed
December 21 2023

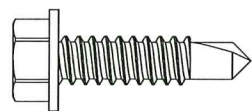


Souffront Construction's Group, Ltd. Co. 2942 SW 156th AVENUE Miami, FL 33185 Phone (786) 306-9417 Souffrontengineering@gmail.com			C.G.S. SALES INC. 44729 St. Rt. 14 Columbiana, OH 44408 Phone (330) 501-4396 FAX No (330) 457-9539		
OPERABLE IMPACT RESISTANT WINDOW SCREEN LARGE AND SMALL MISSILE IMPACT RESISTANT			PREPARED BY OSCAR YAMIR SOUFFRONT, P.E. 2171 SW BURMAN LANE PORT SAINT LUCIE, FL 34984 PH. (786) 306-9417 FLORIDA LICENSE No. 72462 CERTIFICATE OF AUTHORIZATION No. 29697		
REV.	DATE	DESCRIPTION	DRAWN: YS	CHECKED: OYS	SCALE: AS NOTED
1	05-16-2018	2017 FLORIDA BUILDING CODE (FBC) 6TH EDITION			
2	06-14-2021	2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION			
3	12-20-2023	2023 FLORIDA BUILDING CODE (FBC) 8TH EDITION			
DRAWING No. SCG0509-16			SHEET 100F11		

OPERABLE IMPACT RESISTANT WINDOW SCREEN

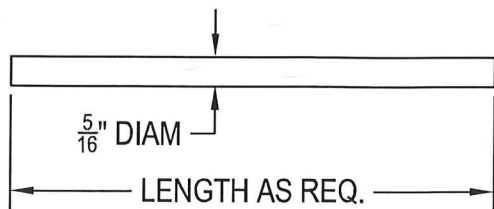


16 1/4" x 20 FLANGE WING NUT



17 1/4" x 20 x 3/4" Self Drilling Screw

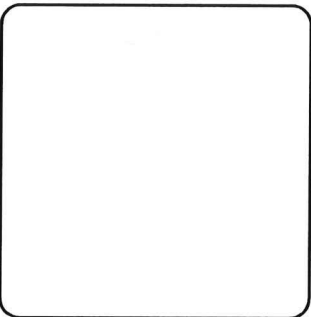
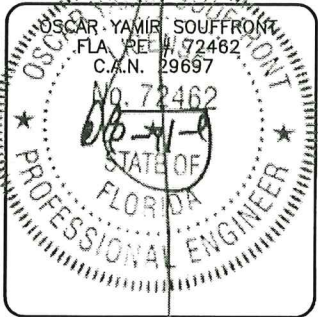
BILL OF MATERIAL (QUANTITIES AS REQUIRED)			
ITEM	NAME	MATERIAL	NOTE
1	CORNER SHEAR BLOCK	ALUMINUM ALLOY 6063-T5	
2	HEAD AND SILL FRAME	ALUMINUM ALLOY 6063-T5	
3	ALUMINUM RETAINER BAR	ALUMINUM ALLOY 6063-T5	
4	SECURITY DOOR C-BAR HINGE	ALUMINUM ALLOY 6063-T5	DIE CX8208
5	HORIZONTAL HINGE TO FRAME	ALUMINUM ALLOY 6061-T5	
6	HORIZONTAL HINGE TO WALL	ALUMINUM ALLOY 6061-T5	
7	SELF DRILLING HH SS # 12-14	STAINLESS STEEL	PART # 90821A374
8	SELF DRILLING HH SS # 10-16	STAINLESS STEEL	PART # 98248A430
9	SELF DRILLING HH SS # 8-18	STAINLESS STEEL	PART # 90821A330
10	DEWALT ULTRACON HEX FLANGE HEAD	STEEL WITH CORROSION COATING	NOA # 21-0113.01
11	SCHLEGEL BRUSH WEATHER SEAL	POLYSTIRENE	
12	MESH 12 X 12 SCREEN	STAINLESS STEEL 304	
13	RUBBER GASKET	RUBBER	
14	1/4" x 3 1/4" ELCO PANEL MATE PRO ANCHOR	STAINLESS STEEL	
15	ALUMINUM ANGLE 2" x 1 1/2" x 1/8" x 4" Long.	ALUMINUM ALLOY 6061-T5	
16	1/4" x 20 FLANGE WING NUT	STAINLESS STEEL	
17	1/4" x 20 x 3/4" Self Drilling Screw	STAINLESS STEEL	
18	5/16" DIAM. STEEL ROD	STAINLESS STEEL	



18 5/16" STEEL ROD

PRODUCT REVISED
as complying with the Florida
Building Code 23-1222.02
Acceptance No
Expiration Date 05/18/2027
By H. G. A. M. M.
Miami Date Product Control

Signed & Sealed
December 21 2023



Souffront Construction's Group, Ltd. Co.
2942 SW 156th AVENUE
Miami, FL 33185
Phone (786) 306-9417
Souffrontengineering@gmail.com

C.G.S. SALES INC.
44729 St. Rt.14
Columbiana, OH 44408
Phone (330) 501-4396 FAX No (330) 457-9539

OPERABLE IMPACT RESISTANT WINDOW SCREEN
LARGE AND SMALL MISSILE IMPACT RESISTANT

REV.	DATE	DESCRIPTION
1	05-16-2018	2017 FLORIDA BUILDING CODE (FBC) 6TH EDITION
2	06-14-2021	2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION
3	12-20-2023	2023 FLORIDA BUILDING CODE (FBC) 8TH EDITION

DRAWN: YYS

CHECKED: OYS

SCALE: AS NOTED

DATE: 12-16-16

PREPARED BY OSCAR YAMIL SOUFFRONT, P.E.
2171 SW BURMAN LANE
PORT SAINT LUCIE, FL 34984 PH. (786) 306-9417
FLORIDA LICENSE No. 72462
CERTIFICATE OF AUTHORIZATION No. 29697

SCG0509-16

11OF 11