



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

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Stabil Concrete Products, LLC
4451 8th Avenue South
St. Petersburg, FL 33711

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: Glass Fiber Reinforced Concrete (GFRC) Wall System

APPROVAL DOCUMENT: Drawing No. 1956, titled "Glass Fiber Reinforced Concrete (GFRC) Wall System" sheets 1 through 5 of 5, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., on June 14, 2019 bearing Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state 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 # 20-0622.11 and consists of this page 1, evidence submitted pages E-1 & E-2, as well as approval document mentioned above.

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




Helmy A. Makar
08/24/2023

NOA No. 23-0713.30
Expiration Date: 09/12/2024
Approval Date: 08/24/2023

Stabil Concrete Products, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #19-0708.08**
 - A. DRAWINGS**
 1. *Drawing No. 1956, titled Glass Fiber Reinforced Concrete (GFRC) Wall System sheets 1 through 5 of 5, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., on June 14, 2019.*
 - B. TESTS**
 1. *Test report on Large Missile Impact, Cyclic Wind Pressure and Uniform Static Air Pressure on GFRC Glass Fiber Reinforced Concrete Wall System, issued by Intertek, Report No. J3452.01-450-18 R0, dated 06/14/19, signed and sealed by Vinu J. Abraham, P.E.*
 - C. CALCULATIONS**
 1. *Calculations, dated June 13, 2019, 2 pages, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. on June 13, 2019*
 - D. QUALITY ASSURANCE**
 1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
 - E. MATERIAL CERTIFICATIONS**
 1. *Technical data and specifications.*
 - F. STATEMENTS**
 1. *Letter from W. W. Schaefer Engineering & Consulting, P.A., dated 06/13/19, signed & sealed by Warren W. Schaefer, P.E., stating compliance with FBC, 2017 Edition.*
- 2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #20-0622.11**
 - A. DRAWINGS**
 1. *None.*
 - B. TESTS**
 1. *None.*
 - C. CALCULATIONS**
 1. *None.*
 - D. QUALITY ASSURANCE**
 1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
 - E. MATERIAL CERTIFICATIONS**
 1. *None.*
 - F. STATEMENTS**
 1. *Letter from W. W. Schaefer Engineering & Consulting, P.A., dated 06/05/20, signed & sealed by Warren W. Schaefer, P.E., stating compliance with FBC, 2020 Edition.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-0713.30
Expiration Date: 09/12/2024
Approval Date: 08/24/2023

Stabil Concrete Products, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

2. *None.*

F. STATEMENTS

1. *Letter from W. W. Schaefer Engineering & Consulting, P.A., dated 07/01/23, signed & sealed by Warren W. Schaefer, P.E., stating compliance with FBC, 2020 Edition and 2023 Edition.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-0713.30
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GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. IT SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER TO VERIFY THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE TO SUPPORT THE LOADS SUPERIMPOSED BY THE PANELS.
3. THE PANELS AND THEIR 3/8" STEEL ROD ATTACHMENT TO THE FRAMING/STRUCTURE ARE PART OF THIS APPROVAL. ALL SUPPORTING STUDS AND/OR STEEL FRAMING MEMBERS ARE NOT PART OF THIS APPROVAL AND SHALL BE REVIEWED BY THE CORRESPONDING BUILDING DEPARTMENT FOR EACH JOB.
4. ALL SUPPORT FRAMING SHALL BE MIN. 4" X 0.056" THICK ($F_y = 50$ KSI) STUDS WITH 1 5/8" FLANGES & 1/2" RETURNS & MIN. 4" X 0.056" THICK TRACK WITH 1 1/4" FLANGES.
5. MAXIMUM ALLOWABLE DEFLECTION FOR THIS ASSEMBLY SHALL BE $L/360$.
6. DETAILS HERE-IN SHOW INTENT TO PREVENT WATER INFILTRATION INTO & BEHIND THE SYSTEM. IT SHALL BE THE INSTALLERS RESPONSIBILITY TO INSURE THAT THE SYSTEM IS WATER TIGHT.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT PRODUCTS.
5. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
7. THIS WALL PANEL SYSTEM SHALL NOT BE CONSIDERED TO OR BE USED FOR TRANSFER OF DIAPHRAM ACTION OF WALL TO STRUCTURE.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. PANEL SIZES ARE LIMITED BY SHIPPING & HANDLING REQUIREMENTS (TYPICALLY LIMITED TO 12 FT. IN ONE DIRECTION) AND/OR JOB REQUIREMENTS ONLY & ARE NOT LIMITED TO THE 55 5/8" X 100" SIZES TESTED.

PANEL SPECIFICATIONS

BRIEF DESCRIPTION:

GLASS FIBER REINFORCED CONCRETE (GFRC) PANEL WITH MIN. THICKNESS = 3/4" MANUFACTURED BY THE SPRAY-UP PROCESS USING SPECIAL ALKALI RESISTANT GLASS FIBERS CHOPPED AND SPRAYED ONTO A MOLD WITH A APPROPRIATE CEMENT/AGGREGATE SLURRY. ONE(1) 20 OZ DRYVIT PANZER GLASS FIBER MESH IS EMBEDDED INTO PANEL APPROXIMATELY 1/4" OFF THE OUTER PANEL FACE.

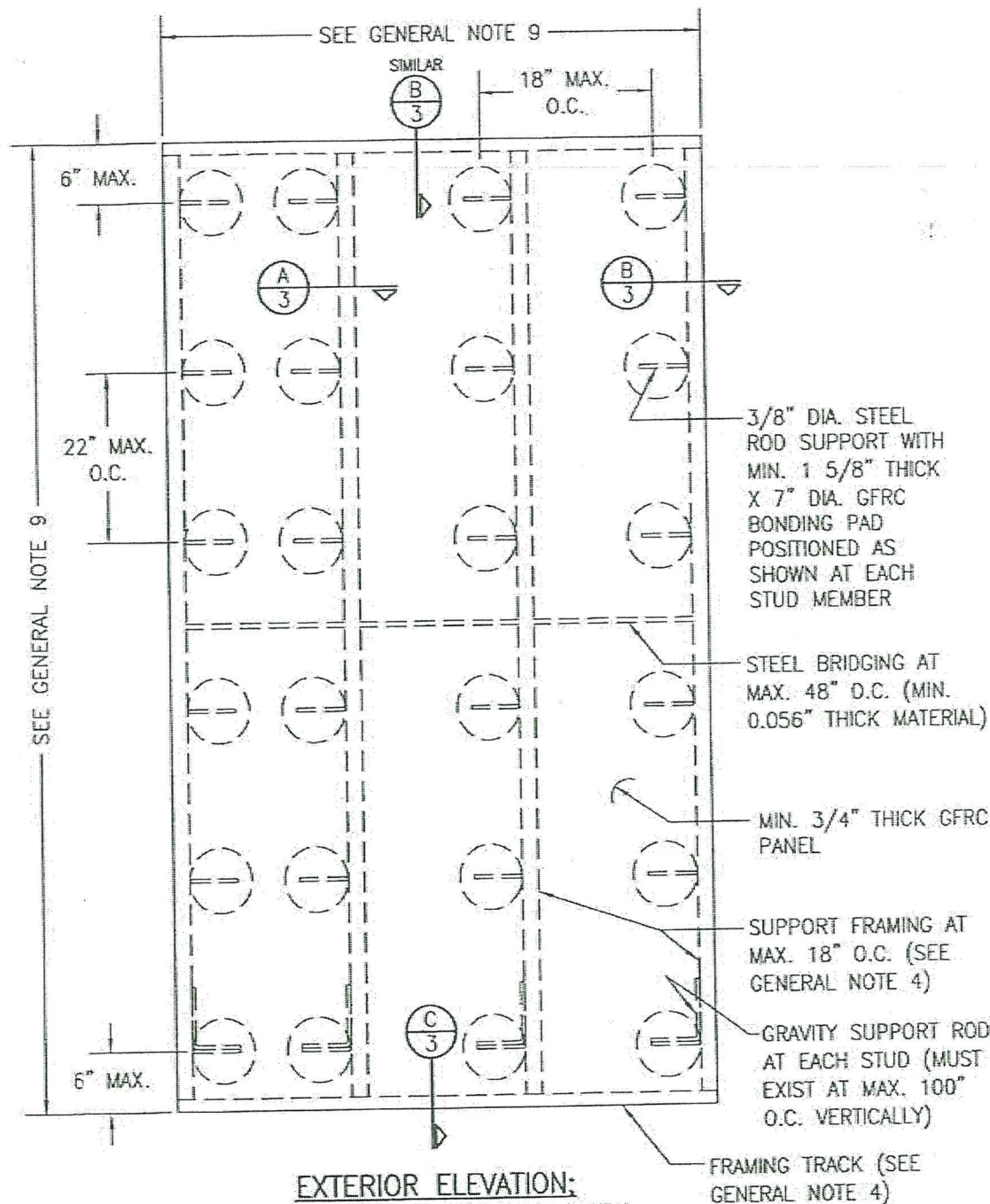
MIX DESIGN

MATERIAL	AMOUNT PER BATCH
TYPE 1 PORTLAND CEMENT	94 LBS
SAND (1:1 RATIO TO CEMENT)	94 LBS
WATER	25 LBS
FORTON VF774 COMPOUND	11 LBS
ALKALI RESISTANT GLASS FIBER BY NIPPON ELECTRIC GLASS	5% BY WEIGHT MIN. OF TOTAL MIX.
EVOTEK 7015	3 OZ MAX. PER FULL BATCH
SYAD 75	2.5 OZ MAX. PER FULL BATCH

THE CEMENT AND SAND AGGREGATE ARE COMBINED WITH WATER, FORTON VF774, EVOTEK 7015 & SYAD 75 IN A HIGH SHEAR MIXER. AFTER FULLY MIXED, THE SLURRY IS PUMPED INTO A CONCENTRIC SPRAY GUN WHERE THE FIBER IS CHOPPED & SPRAYED ONTO THE MOLD SIMULTANEOUSLY WITH THE SLURRY.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-0713.30
Expiration Date 09/12/2024
By *Heidi A. Miller*
Miami Data Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 20-0622.11
Expiration Date 09/12/2024
By *Heidi A. Miller*
Miami Data Product Control



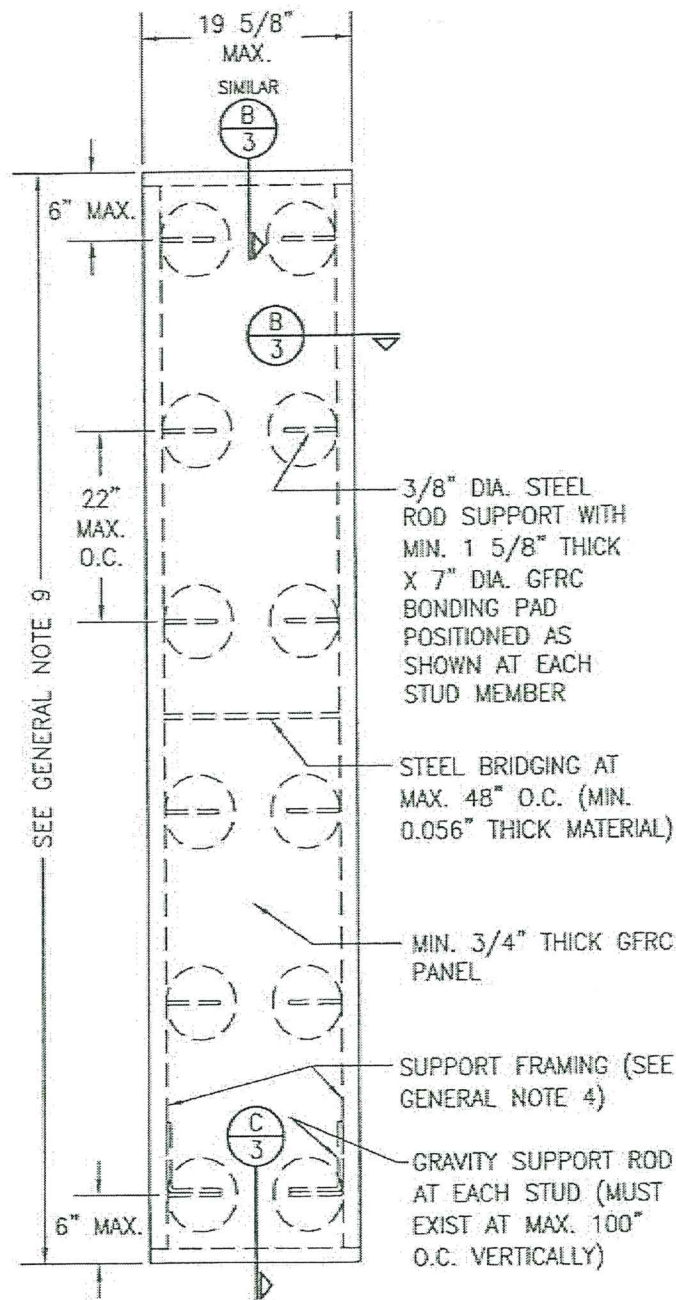
EXTERIOR ELEVATION:
SINGLE PANEL SECTION WITH
MULTIPLE BAYS
SCALE: 3/4" = 1'-0"

ALLOWABLE DESIGN PRESSURE (ALL CONDITIONS)	
POSITIVE	NEGATIVE
105 PSF	150 PSF
LARGE MISSILE IMPACT APPROVED	

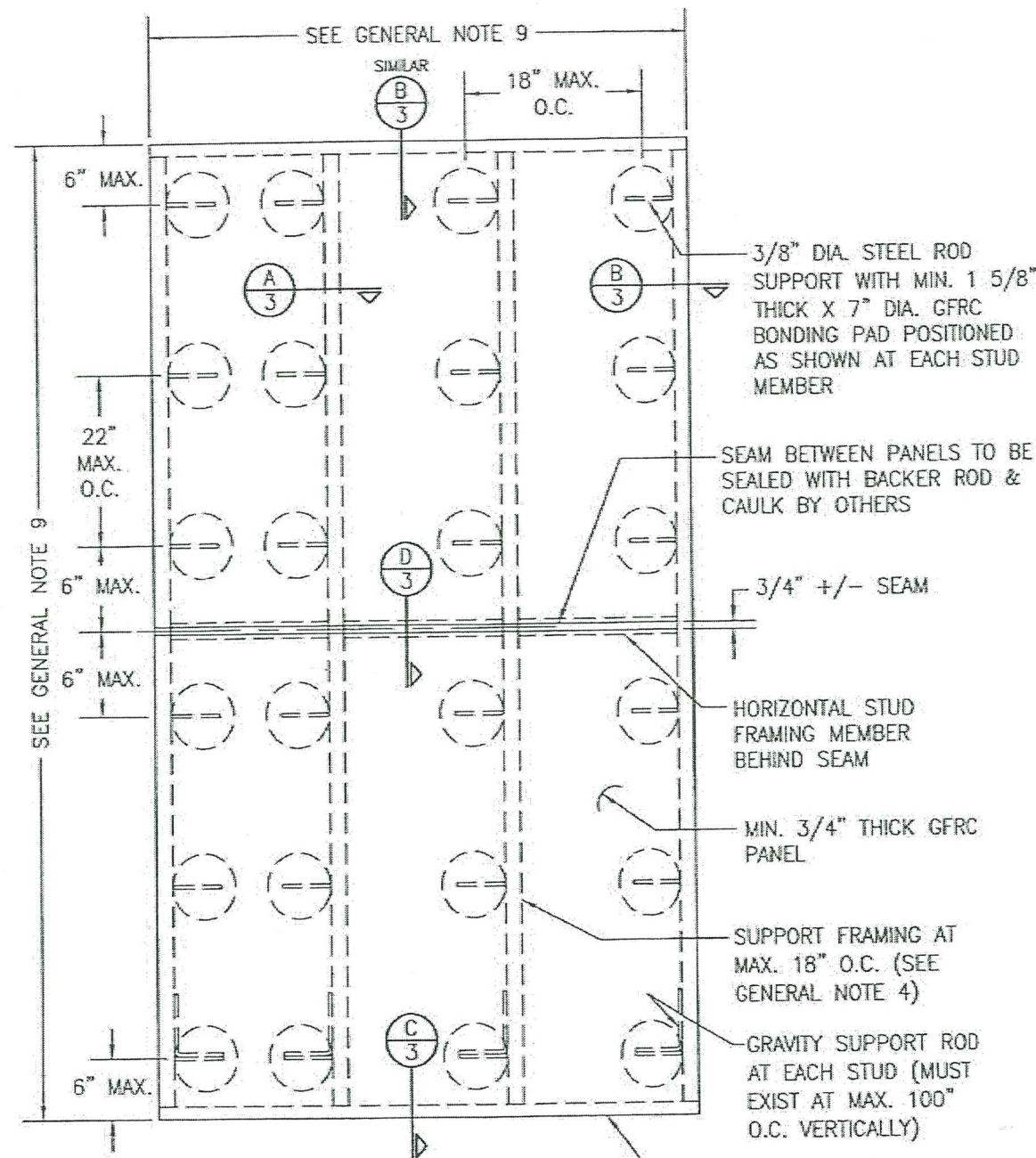
Approved as complying with the
Florida Building Code
Date 09/12/2019
By *Heidi A. Miller*
Miami Data Product Control

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

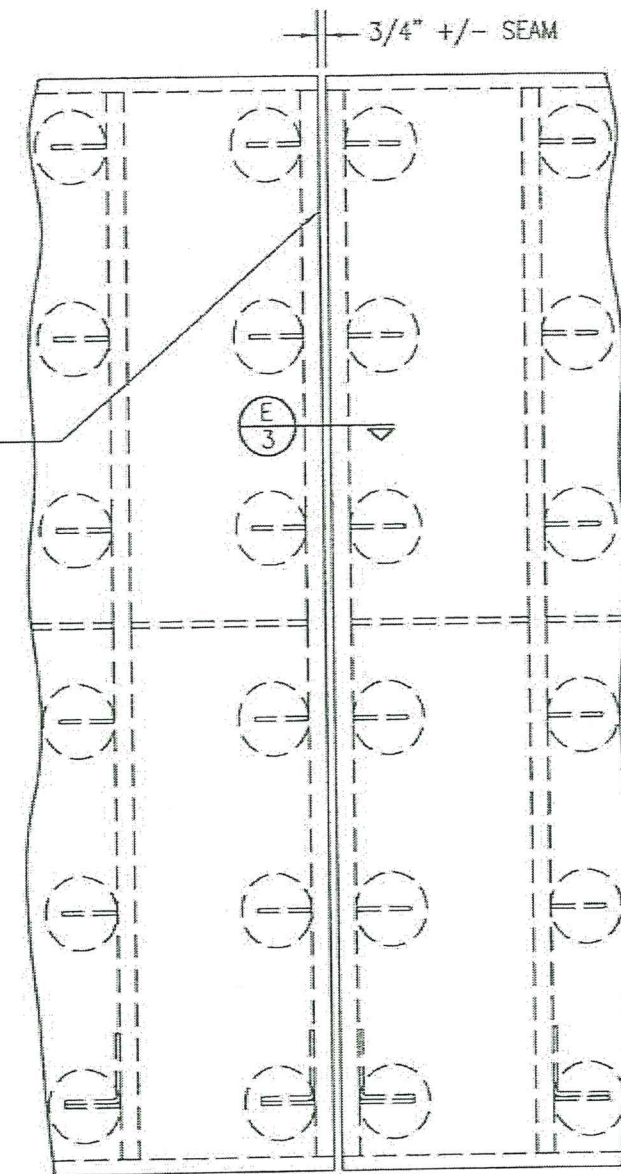
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 06/13/19
DATE	BY
REVISION DESCRIPTION	
NO.	
DRAWING TITLE GLASS FIBER REINFORCED CONCRETE (GFRC) WALL SYSTEM	MANUFACTURER STABIL CONCRETE PRODUCTS, LLC 4451 8TH AVENUE SOUTH ST. PETERSBURG, FL 33711 727-321-6000
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
JUN 14 2019	
DRAWING NO. 1956	REV.
SHEET NO. 1 OF 5	



EXTERIOR ELEVATION:
SINGLE PANEL SECTION WITH A
SINGLE BAY
SCALE: 3/4" = 1'-0"



EXTERIOR ELEVATION:
MULTIPLE PANEL SECTION WITH A
HORIZONTAL SEAM
SCALE: 3/4" = 1'-0"

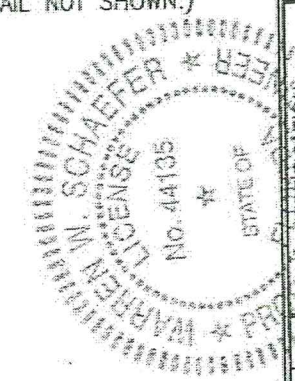


EXTERIOR ELEVATION:
PANEL SECTIONS SIDE-BY-SIDE
WITH VERTICAL SEAM
SCALE: 3/4" = 1'-0"
(SEE OTHER ELEVATIONS FOR ALL DETAIL NOT SHOWN.)

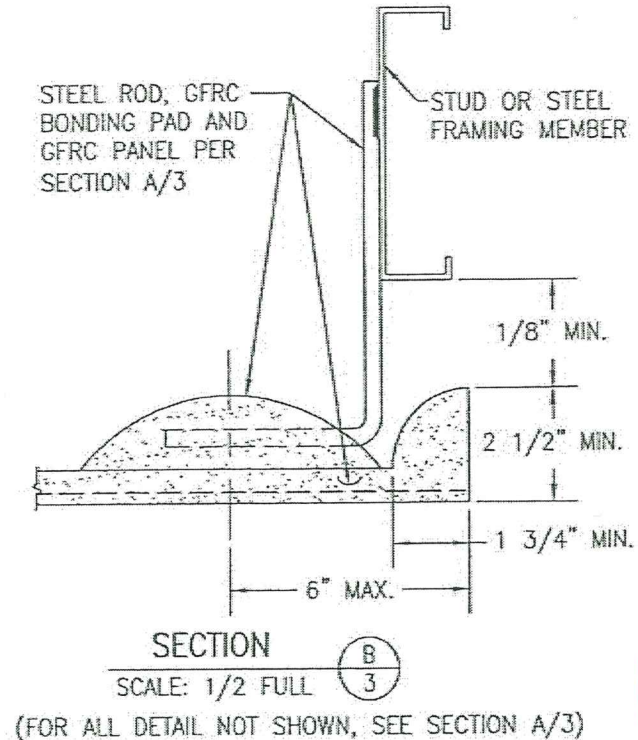
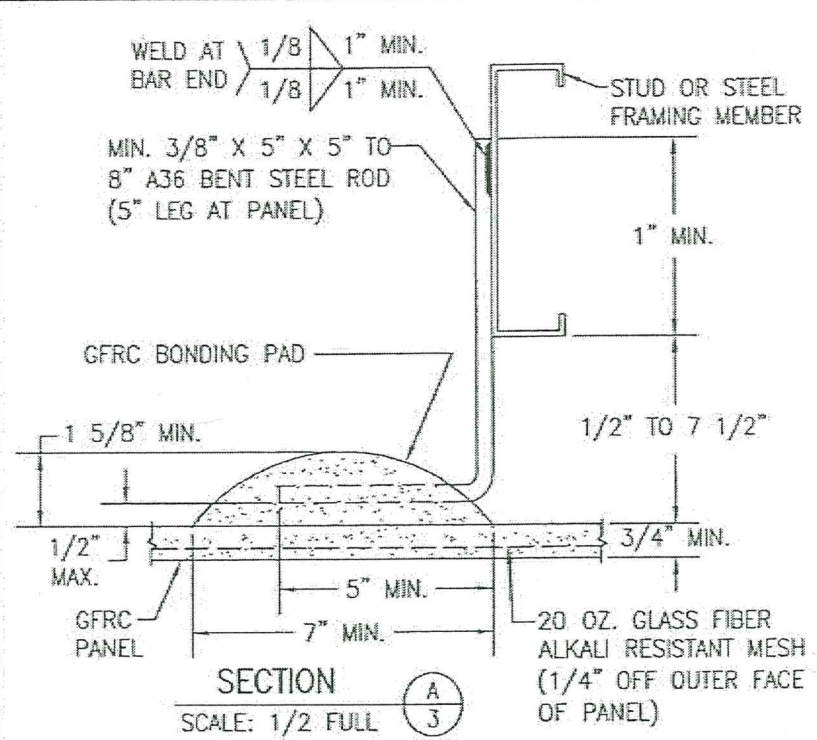
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-0713.30
Expiration Date 09/12/2024
By *Hal A. Mahon*
Miami Date Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 20-0622.17
Expiration Date SEP 12 2024
By *Hal A. Mahon*
Miami Date Product Control

Approved as complying with the
Florida Building Code
Date 08/12/2019
NOA# 19-0708.08
Miami Date Product Control
By *Hal A. Mahon*



DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=18	DATE: 06/13/19
DATE	BY
NO.	REVISION DESCRIPTION
DRAWING TITLE GLASS FIBER REINFORCED CONCRETE (GFRC) WALL SYSTEM	
MANUFACTURER STABIL CONCRETE PRODUCTS, LLC 4451 8TH AVENUE SOUTH ST. PETERSBURG, FL 33711 727-321-6000	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 8809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION JUN 14 2019 PROFESSIONAL ENGINEER WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1956	REV.
SHEET NO. 2	OF 5



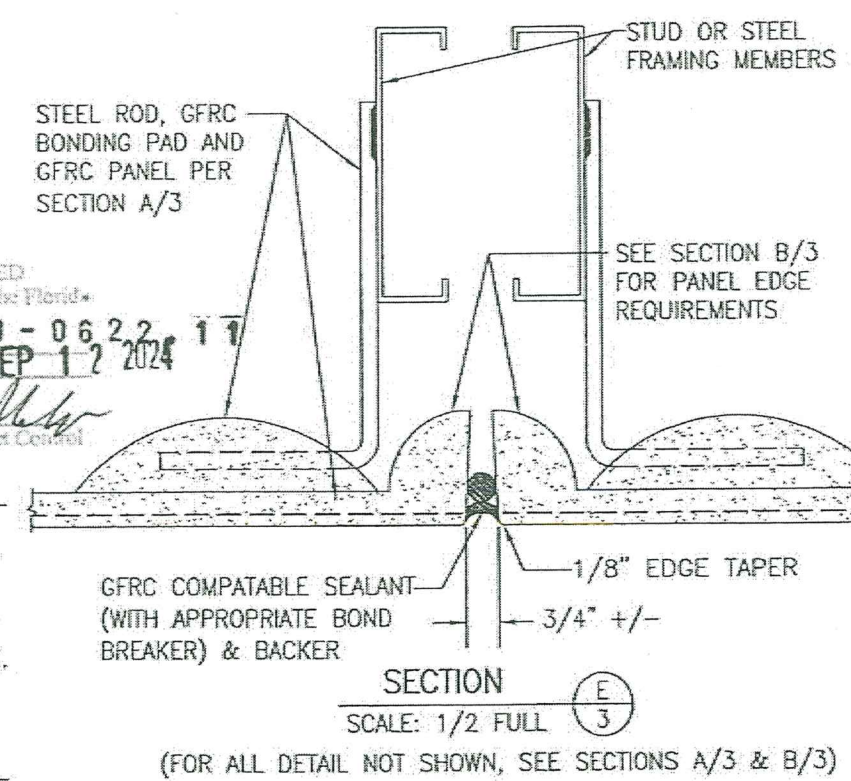
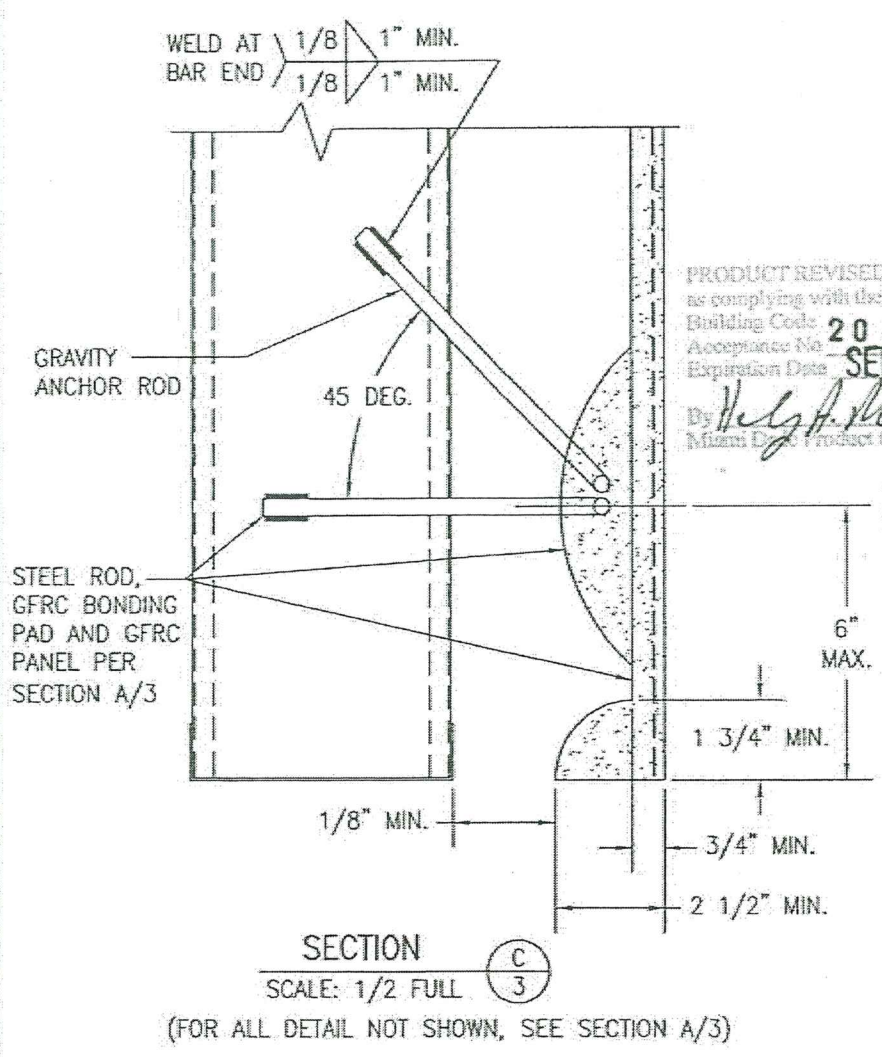
PRODUCT REVISED as complying with the Florida Building Code

Acceptance No. 23-0713.30

Expiration Date 09/12/2024

By *Helga A. Miller*

Miami Dade Product Control



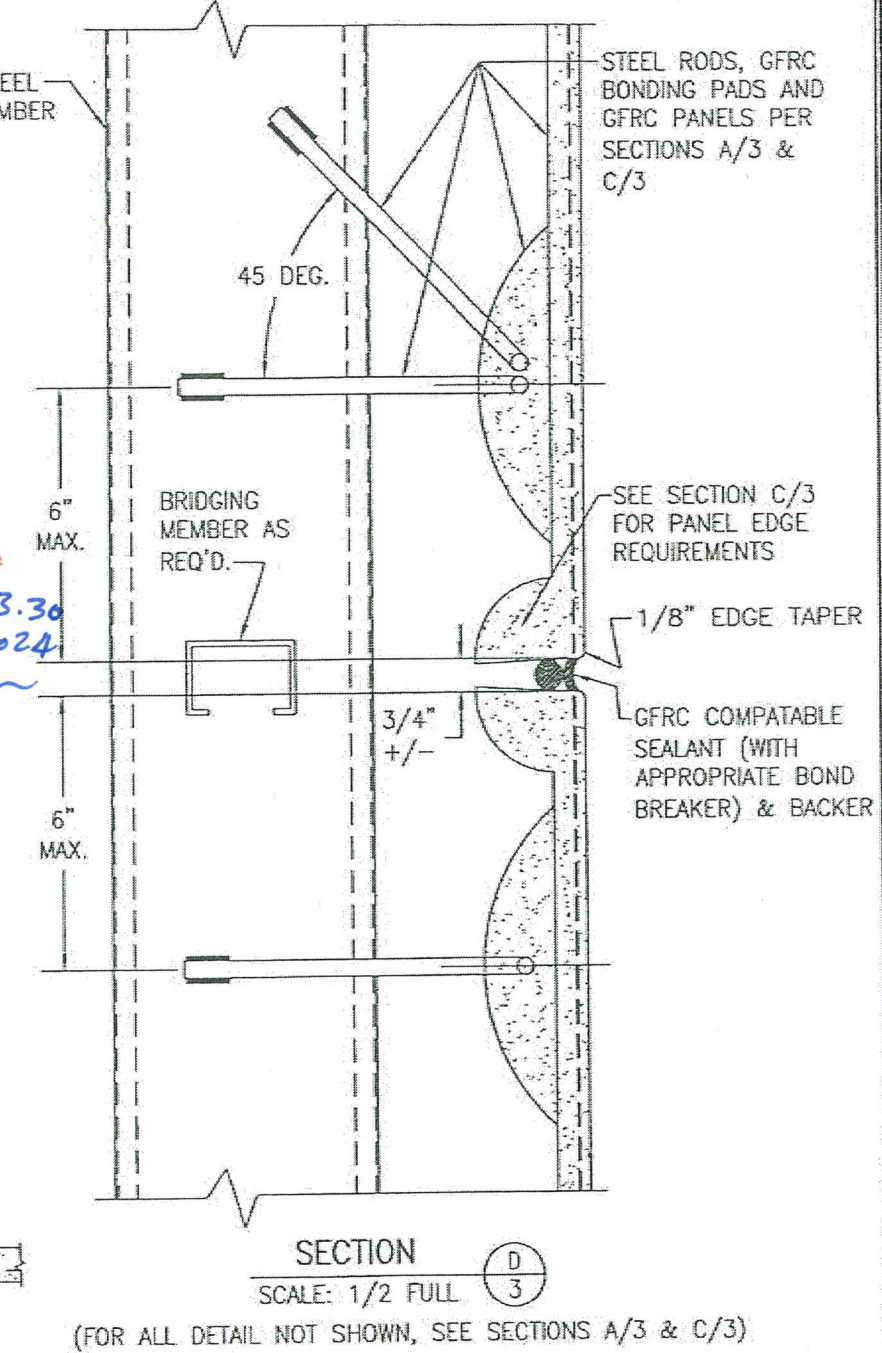
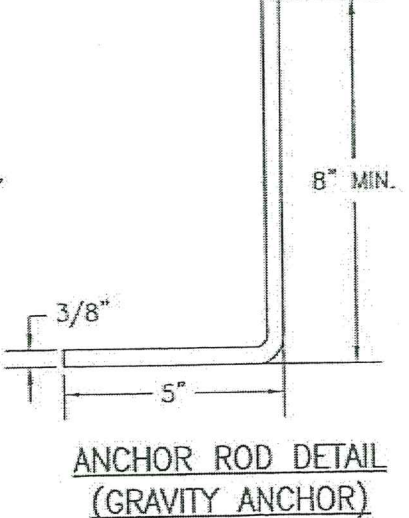
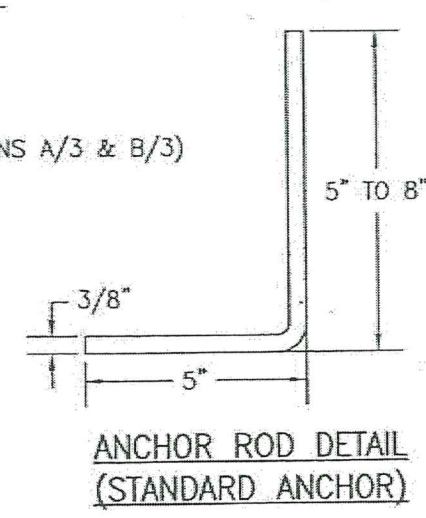
Approved as complying with the Florida Building Code

Date 09/12/2019

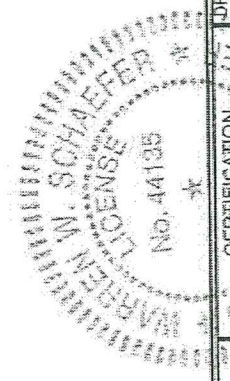
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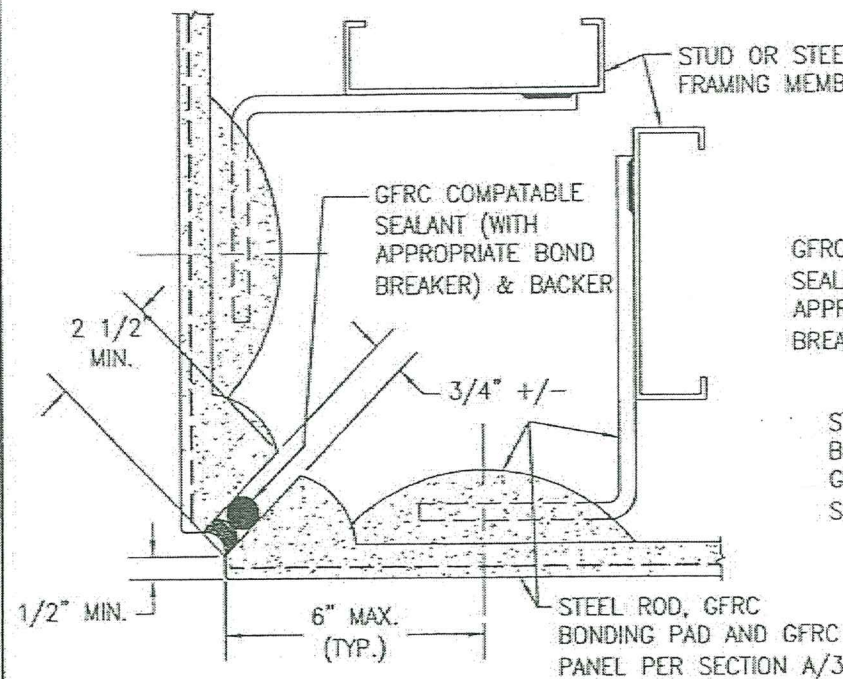
Miami Dade Product Control

By *Helga A. Miller*

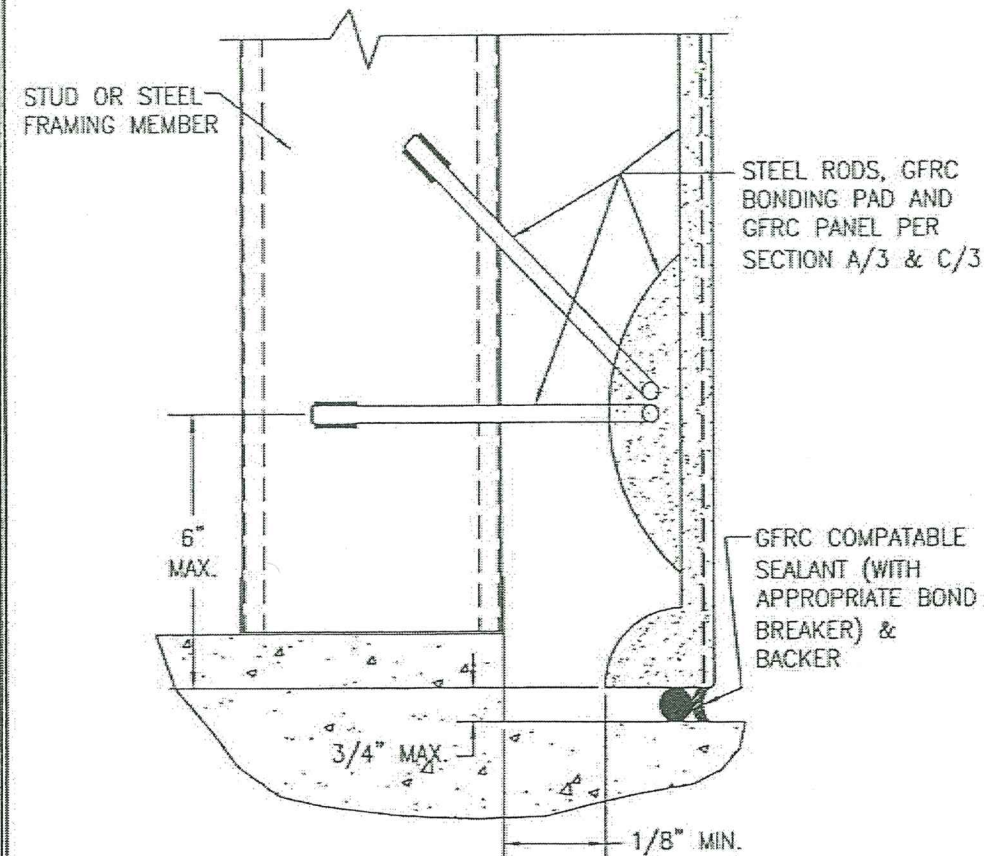


DRAWING NO. 1956		REV. 3 OF 5	
SHEET NO. 3		SHEET NO. 5	
<p>DRAWING TITLE: GLASS FIBER REINFORCED CONCRETE (GFRF) WALL SYSTEM</p> <p>MANUFACTURER: STABIL CONCRETE PRODUCTS, LLC 4451 8TH AVENUE SOUTH ST. PETERSBURG, FL 33711 727-321-6000</p> <p>CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424</p>			
<p>DRAWN BY: W.W.S.</p> <p>CHECKED BY: W.W.S.</p> <p>DATE: 06/13/19</p> <p>NO. 1</p> <p>REVISION DESCRIPTION</p>			

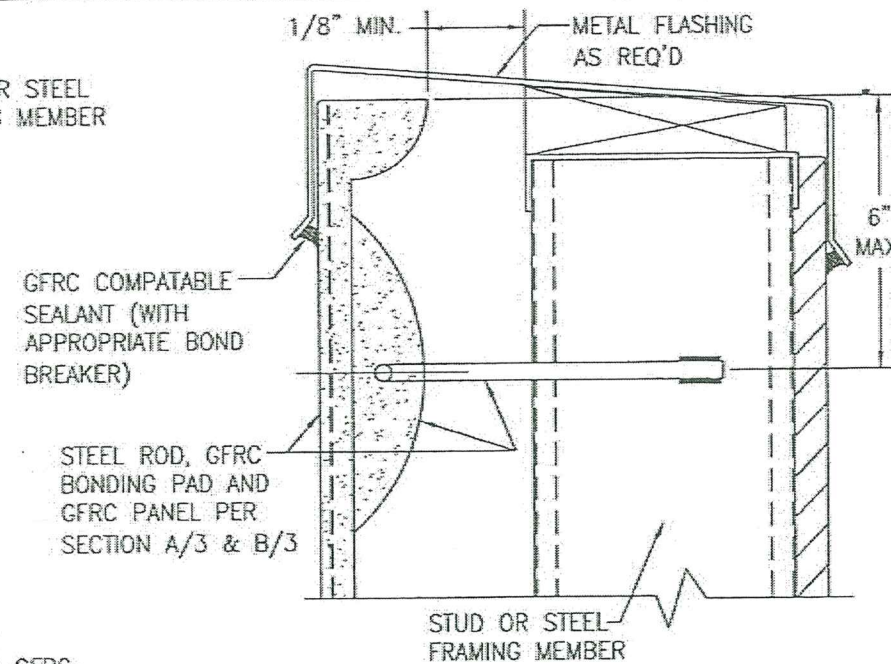




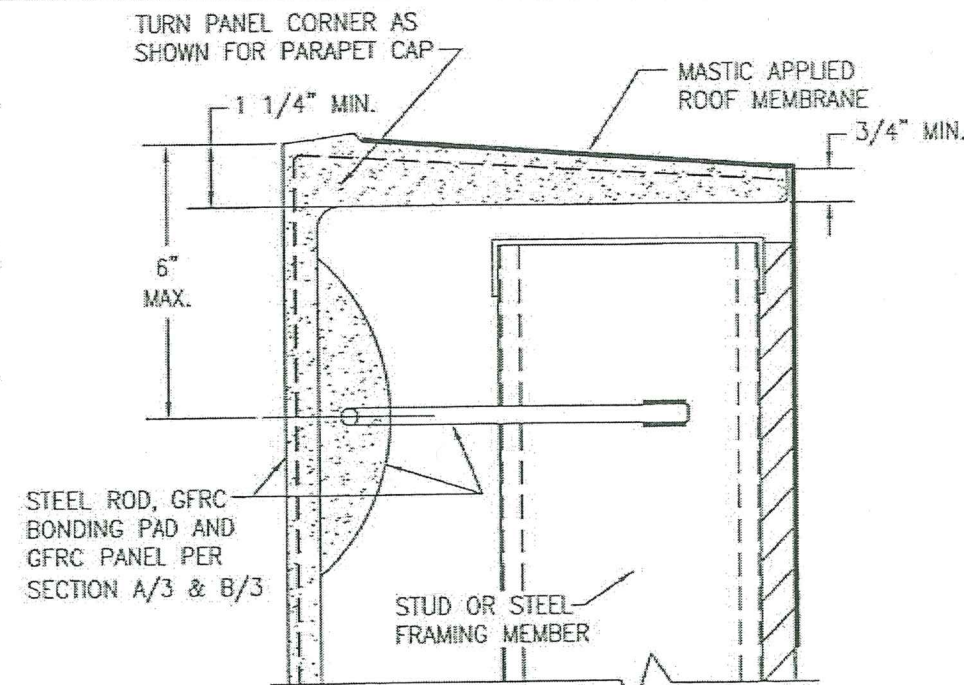
TYP. PANEL CORNER DETAIL



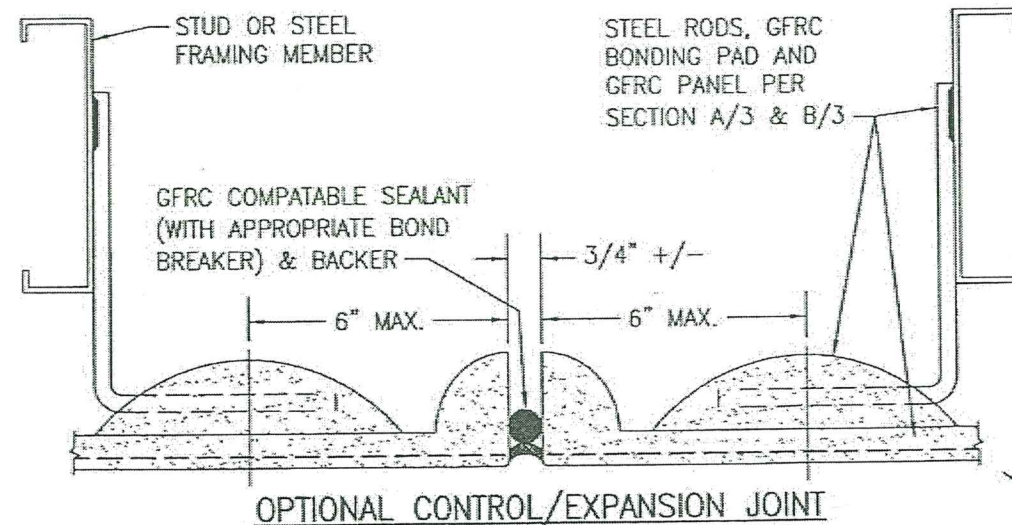
TYP. WALL BASE DETAIL



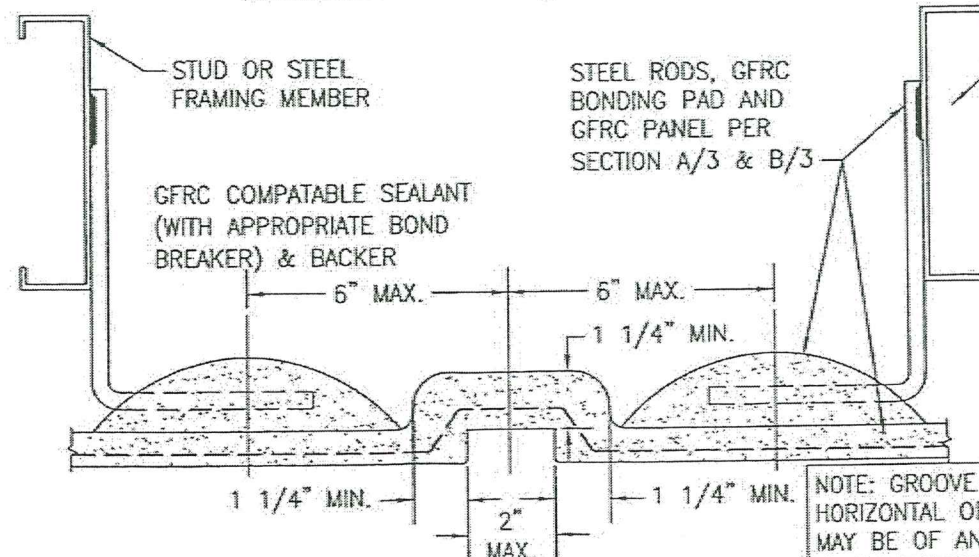
TYP. PARAPET DETAIL OPTION 1
WITH FLASHING



TYP. PARAPET DETAIL OPTION 2
WITHOUT FLASHING



OPTIONAL CONTROL/EXPANSION JOINT



OPTIONAL CONTROL/EXPANSION JOINT

NOTE: GROOVE MAY RUN HORIZONTAL OR VERTICAL & MAY BE OF ANY SHAPE WITHIN DIMENSION PERIMETERS.

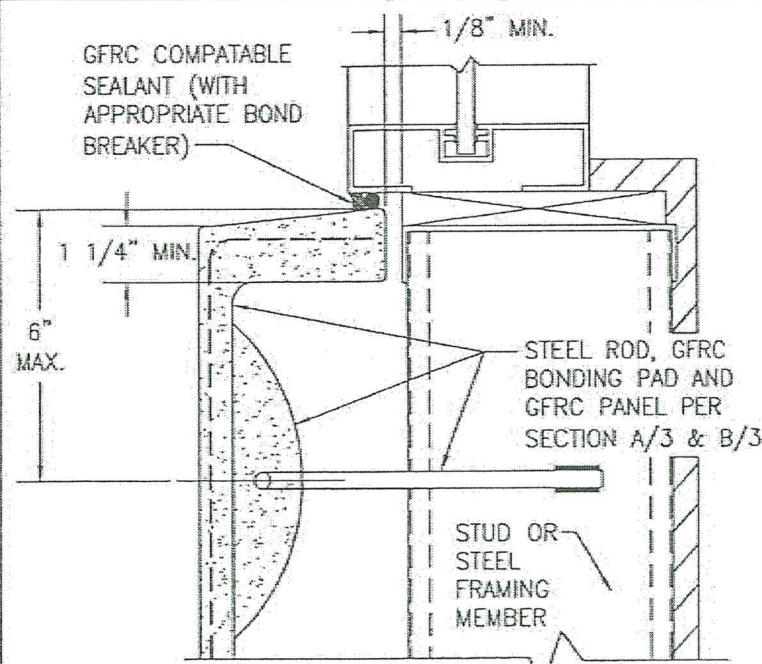
PRODUCT REVISED
as complying with the Florida
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Acceptance No. 20-0622.11
Expiration Date SEP 12 2024
By *Heidi A. Miller*
Miami Dade Product Control

THESE DETAILS SHOW A VERTICAL JOINT.
HORIZONTAL JOINT IS SIMILAR EXCEPT
JOINT RUNS PERPENDICULAR TO STUDS.

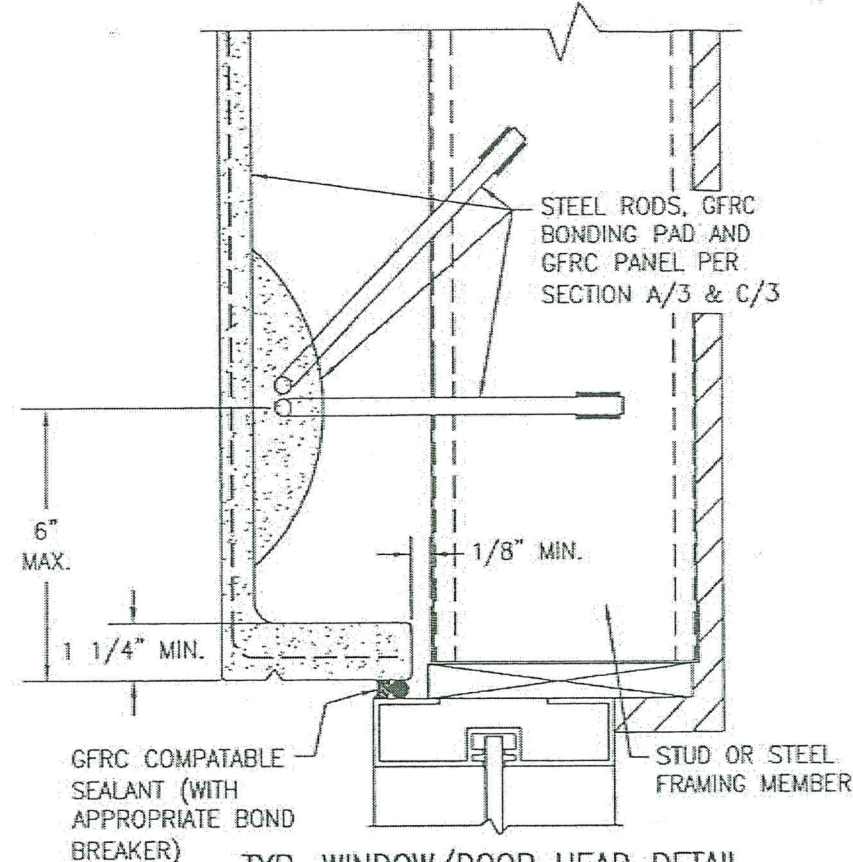
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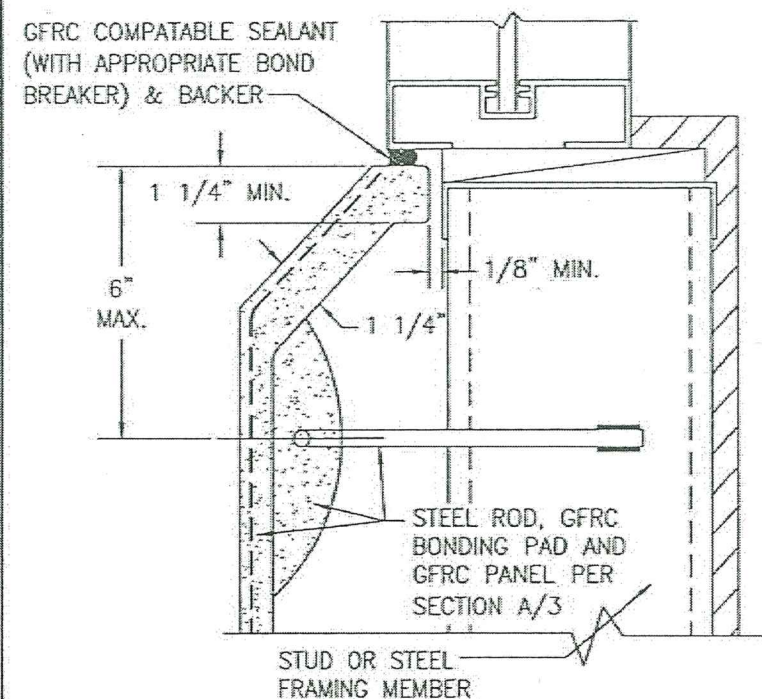
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=4		DATE: 05/13/19	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: GLASS FIBER REINFORCED CONCRETE (GFRF) WALL SYSTEM			
MANUFACTURER:		STABIL CONCRETE PRODUCTS, LLC 4451 8TH AVENUE SOUTH ST. PETERSBURG, FL 33711 727-321-6000	
CONSULTANTS:		W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION:		WARREN W. SCHAEFER, P.E. No. 44135 JUNE 14 2019 PROFESSIONAL SEAL	
DRAWING NO. 1956		REV. 4 OF 5	



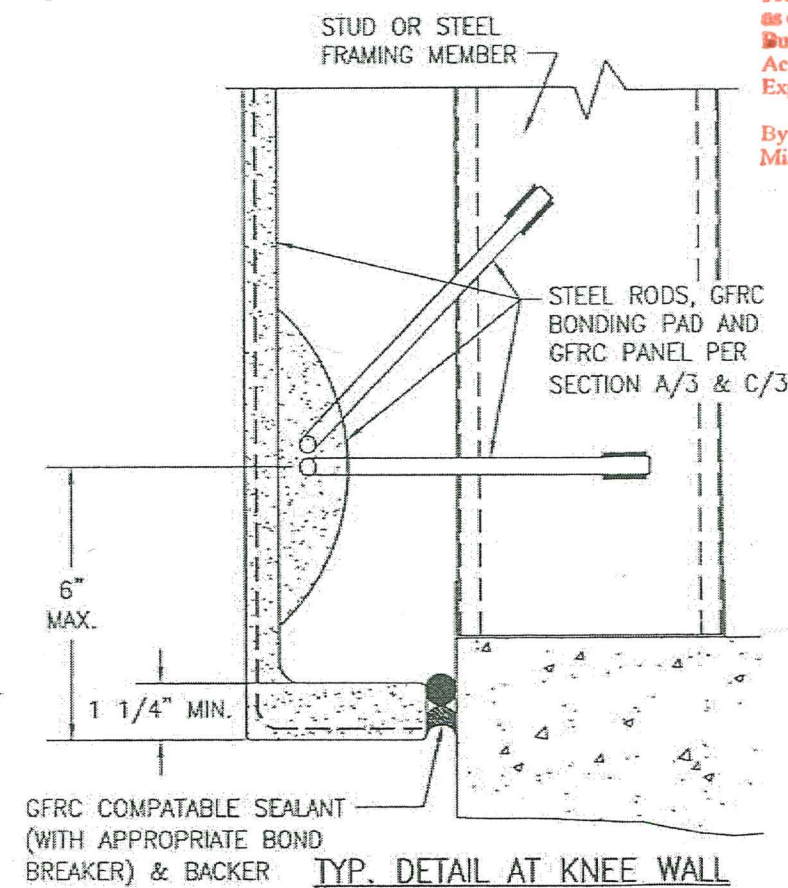
TYP. WINDOW SILL DETAIL
(SIMILAR FOR SIDE JAMBS)



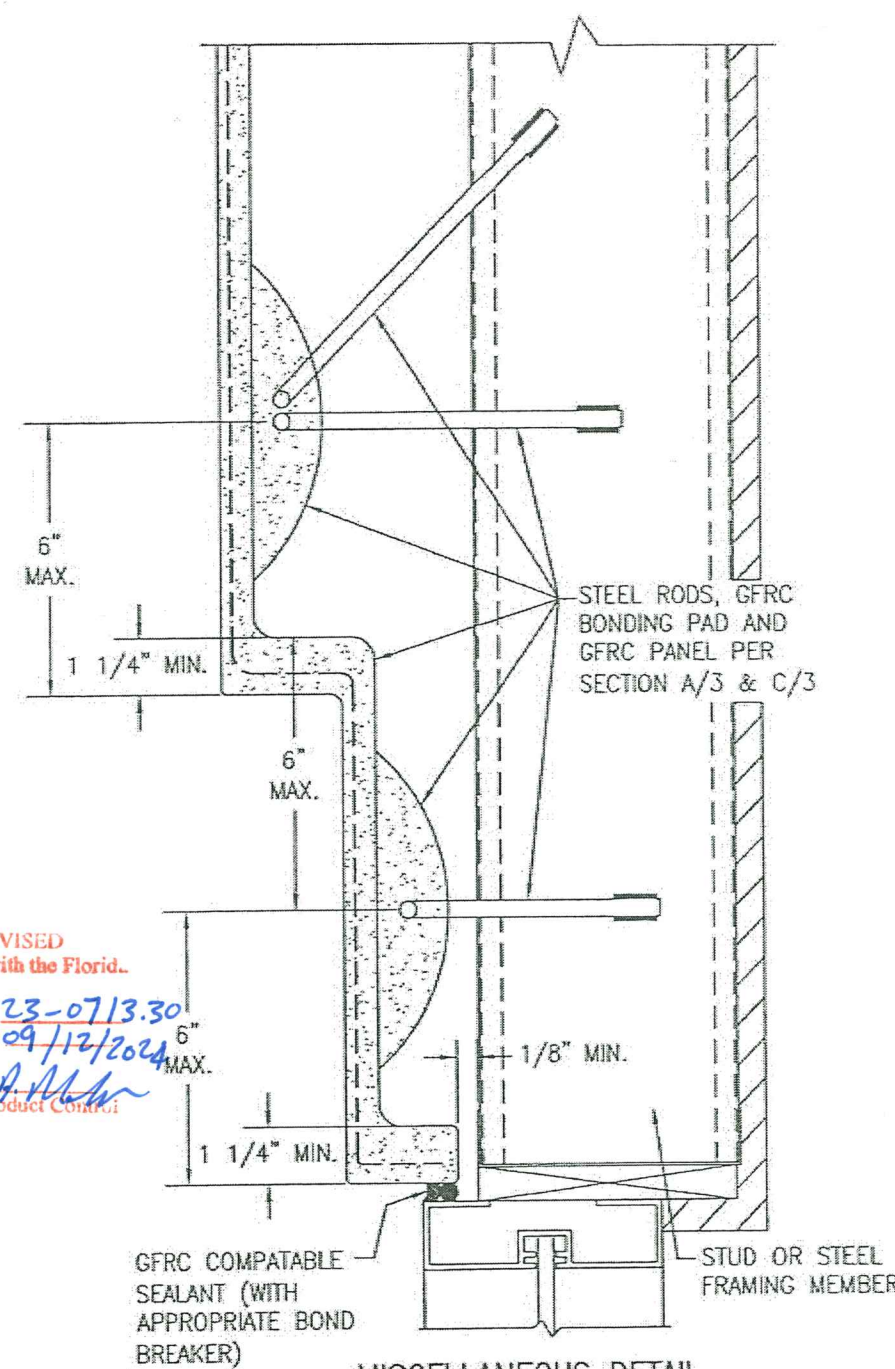
TYP. WINDOW/DOOR HEAD DETAIL



MISCELLANEOUS DETAIL



TYP. DETAIL AT KNEE WALL

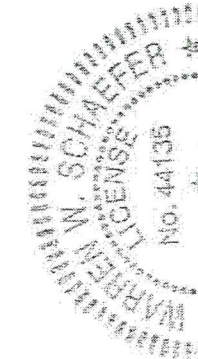


MISCELLANEOUS DETAIL

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Date 09/12/2019
NOA# 19-0708.08
Miami Dade Product Control
By *Heidi A. Miller*



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLDT: 1-4		DATE: 06/13/19	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: GLASS FIBER REINFORCED CONCRETE (GFRP) WALL SYSTEM			
MANUFACTURER: STABIL CONCRETE PRODUCTS, LLC 4451 8TH AVENUE SOUTH ST. PETERSBURG, FL 33711 727-321-6000		CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-1424	
CERTIFICATION: JUN 12 2019		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1956		REV.	
SHEET NO. 5 OF 5			