



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)

**USG Corporation**  
550 West Adams Street  
Chicago, IL 60661

**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:** USG Suspension Exterior Ceiling with USG min.  $\frac{1}{2}$ " Securock Glass Mat Sheathing, min.  $\frac{1}{2}$ " Securock Ultralight Glass Mat Sheathing or min.  $\frac{1}{2}$ " ExoAir 430 Panels

**APPROVAL DOCUMENT:** Drawing titled "Drywall Suspension System with approved sheathing for exterior applications", sheets 1 through 5 of 5, dated 04/09/2018, prepared by USG Corporation, signed and sealed by William R. Heiden III, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** None

**LABELING:** Metal grid main tees shall bear a permanent label marked at not more than 4' o.c. with #601 and on each carton it shall state: 1) Manufacturer's name, city, state, 2) Product Name, 3) NOA number, 4) TAS 202 and TAS 203, 5) Net Free Area = 0. Additionally, sheathing panels shall be permanently labeled with the production code and one of the following: #320 (Mediapolis, IA) or #861 (Sweetwater, TX) or #833 (Baltimore, MD) or #360 (Shoals, IN) or #225 (Jacksonville, FL) or #301 (Plaster City, CA) or #850 (Bridgeport, AL) and the statement: "Miami-Dade County Product Control Approved".

**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 #17-0426.10 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY  
APPROVED

*Carlos M. Utrera*  
07/11/2018

NOA No. 17-0919.03  
Expiration Date: September 8, 2020  
Approval Date: June 28, 2018  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

**A. DRAWINGS "Submitted under NOA #15-0618.06"**

1. Drawing No. **32815.3103**, titled "Drywall Suspension System with glass-mat sheathing for exterior applications", sheets 1 through 5 of 5, dated 01/26/2010, prepared by William R. Heiden III, P.E., signed and sealed by William R. Heiden III, P.E.

**B. TESTS "Submitted under NOA #15-0618.06"**

1. Test reports on Flatwise Tensile Strength Test per ASTM C297 of alternative glass-mat facing material and alternative base coat materials for USG SECUROCK Glass-Mat Sheathing, prepared by Progressive Engineering Inc. dated 09/29/2015, signed by Jason R. Holdeman.

**"Submitted under NOA # 10-0629.02"**

2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of Drywall Suspension System with Securock Glass-Mat Sheathing, prepared by Hurricane Test Laboratory, LLC, Test Report No. **0141-1101-09**, dated 04/13/2010, signed and sealed by Vinu Abraham, P.E.

**C. CALCULATIONS "Submitted under NOA #15-0618.06"**

1. Anchor verification calculations prepared by William R. Heiden III, P.E., dated 12/21/2015, signed and sealed by William R. Heiden III, P.E.

**"Submitted under NOA # 10-0629.02"**

2. Anchor verification calculations, prepared by PEI Engineering Services, Inc, dated 06/16/2010, signed and sealed by Steve Maierle, 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 #15-0618.06"**

1. Statement letter of code conformance to the 5<sup>th</sup> edition (2015) FBC issued by William R. Heiden III, P.E., dated 12/21/2015, signed and sealed by William R. Heiden III, P.E.

**"Submitted under NOA # 12-0924.03"**

2. Statement letter of code conformance to 2010 FBC issued by PEI Engineering Services, Inc, dated 09/10/2012, signed and sealed by Carl D. Fussner, P.E.



07/11/2018

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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 17-0919.03  
Expiration Date: September 8, 2020  
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**USG Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. New evidence submitted**

**A. DRAWINGS**

1. Drawing titled "Drywall Suspension System with approved sheathing for exterior applications", sheets 1 through 5 of 5, dated 04/09/2018, prepared by USG Corporation, signed and sealed by William R. Heiden III, P.E.

**B. TESTS**

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
5) Tensile test per ASTM E8-08

along with marked-up drawings and installation diagram of Drywall Suspension Exterior Ceilings with Securock Ultralight Glass-Mat Sheathing and 4 Exterior Finish Systems, prepared by Intertek, Test Report No. **H6284.01-450-18 R0**, dated 03/15/2018, signed and sealed by Vinu J. Abraham, P.E.

2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
5) Tensile test per ASTM E8-08

along with marked-up drawings and installation diagram of Drywall Suspension Exterior Ceilings with Securock ExoAir 430 Sheathing and 4 Exterior Finish Systems, prepared by Intertek/ATI, Test Report No. **H0153.01-450-18**, dated 10/10/2017, signed and sealed by Vinu J. Abraham, P.E.

**C. CALCULATIONS**

1. Anchorage capacity calculation prepared by USG Corporation, dated 03/29/2018, signed and sealed by William R. Heiden III, P.E.
2. Fastener pull-through comparison prepared by USG Corporation, dated 03/29/2018, signed and sealed by William R. Heiden III, P.E.

**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 6<sup>th</sup> edition (2017) FBC issued by William R. Heiden III, P.E., dated 04/09/2018, signed and sealed by William R. Heiden III, P.E.
2. Statement letter of no financial interest issued by William R. Heiden III, P.E., dated 04/09/2018, signed and sealed by William R. Heiden III, P.E.

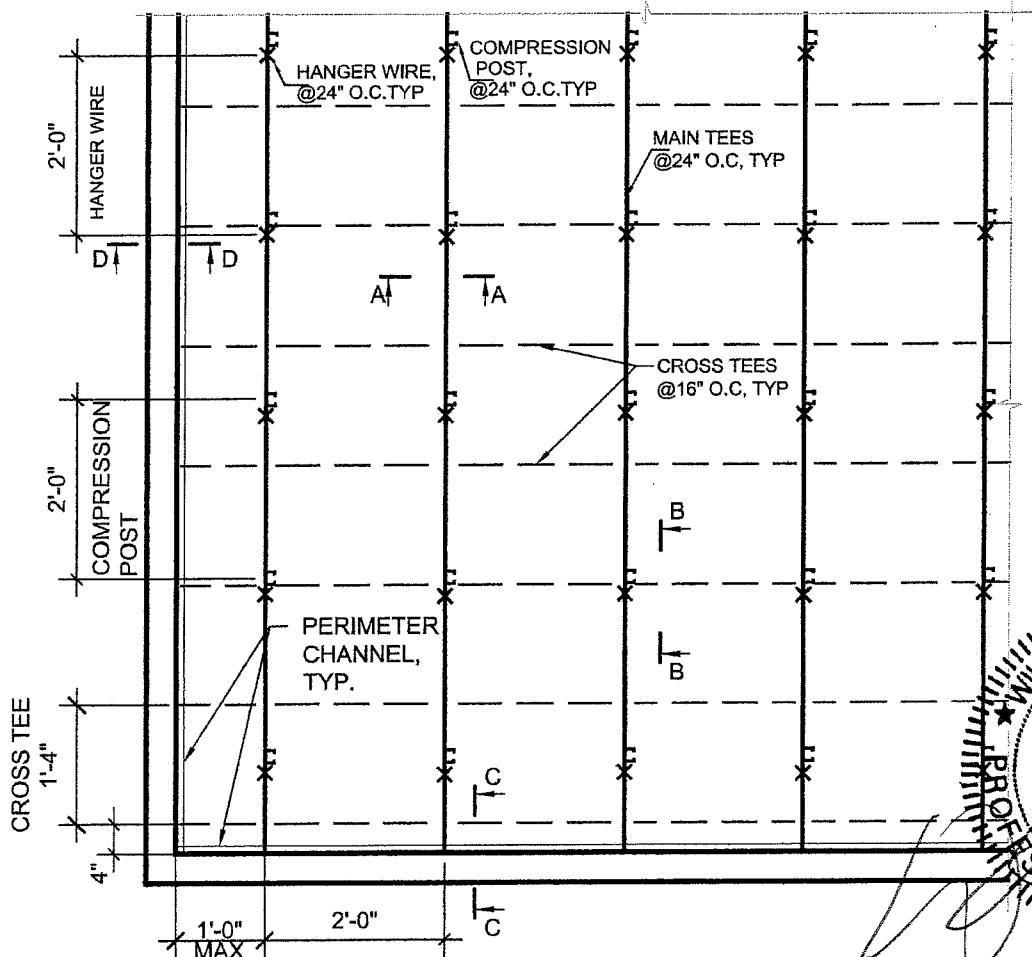
  
Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 17-0919.03

Expiration Date: September 8, 2020

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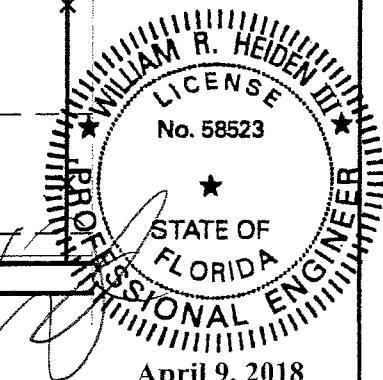


**USG DRYWALL SUSPENSION SYSTEM  
WITH USG SECUROCK OR SECUROCK  
ULTRALIGHT GLASS MAT SHEATHING OR  
ExoAir430 PANELS**

**NOTES:**

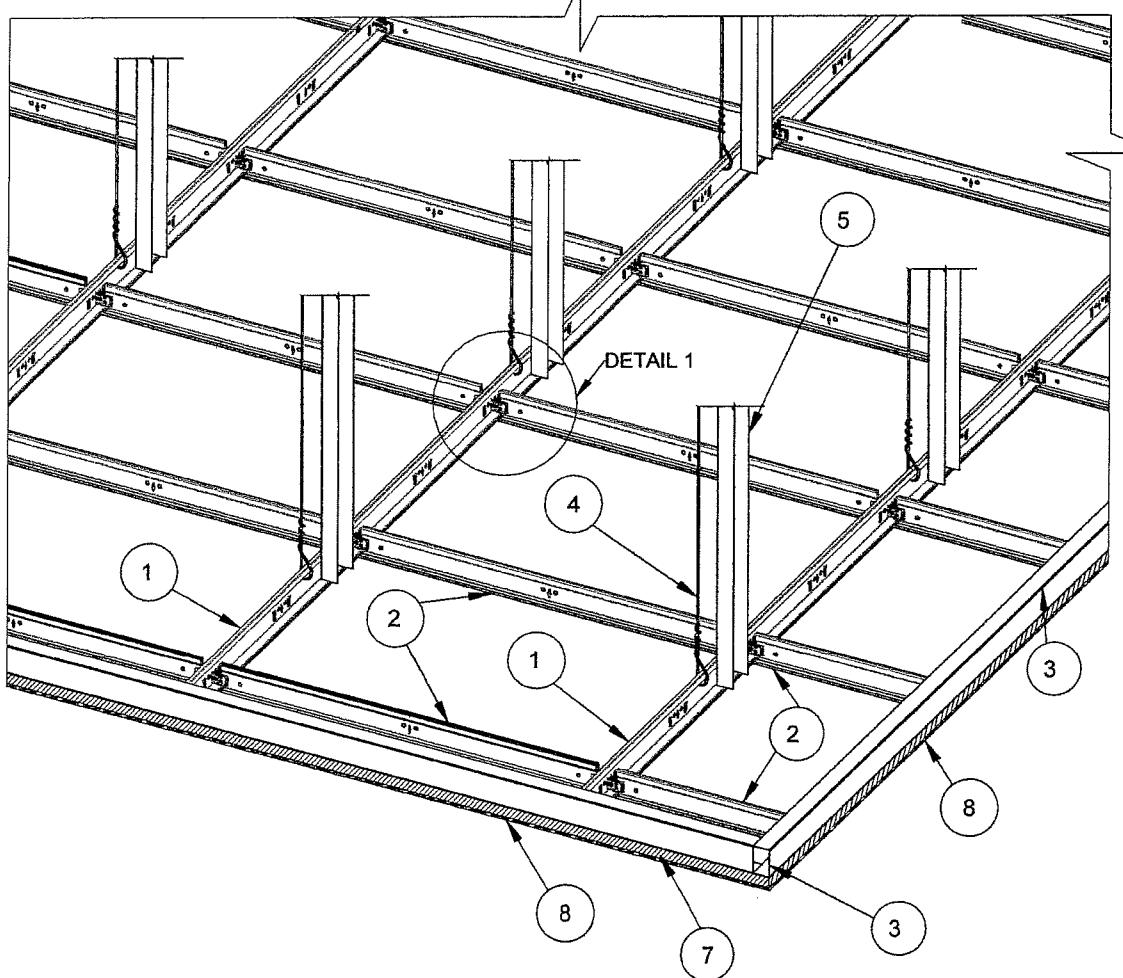
1. COMPRESSION POSTS SHALL BE ATTACHED TO MAIN TEES AT MAX. 24" O.C.
2. HANGER WIRES SHALL BE INSTALLED ON MAIN TEES AT MAX. 24" O.C. AND MUST BE SECURED WITH MINIMUM OF 3 TURNS, FITTED IN 3" AT EACH END, SEE SECTION B-B ON SHEET 3.
3. USG SECUROCK SHEATHING MUST BE ATTACHED WITH #8 -1 1/4" TYPE S WAFER HEAD / LATH SCREWS TO MAIN TEES, CROSS TEES AND PERIMETER CHANNEL MOLDING AT MAX. SPACING 8" O.C. FOR EXOAIR430 PANELS, GAP ALL PANEL JOINTS  $\frac{1}{8}$ " AND FILL USING TREMCO DYNAMIC 100 SEALANT, THEN STRIKE FLUSH. ALLOW SEALANT TO CURE 24 HR. MIN. PRIOR TO APPLICATION OF FINISH SYSTEM.
4. PERIMETER CHANNEL SHALL BE ATTACHED TO THE STRUCTURE AT 8" O.C MAX., REFER TO PAGE 4 FOR DETAILS.
5. REFER TO PAGE 3 FOR DIRECT APPLIED EXTERIOR SYSTEM DESCRIPTION.
6. MAIN TEE SPLICE - IF MAIN TEE HAS TO BE SPLICED, THE SPLICE CLIP DGSC-180 MUST BE ATTACHED TO MAIN TEES WITH 2-#8 -3/4" S12 FASTENERS ON EACH END. THE HANGER WIRE AND COMPRESSION POST MUST BE LOCATED WITHIN 6" ON ONE SIDE OF THE SPLICE.

**DESIGN PRESSURE**  
+75 PSF UPWARD  
-75 PSF DOWNWARD



**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 17-0919.03  
Expiration Date 09/08/2020

By   
**Miami-Dade Product Control**



ISOMETRIC VIEW

**PRODUCT REVISED**

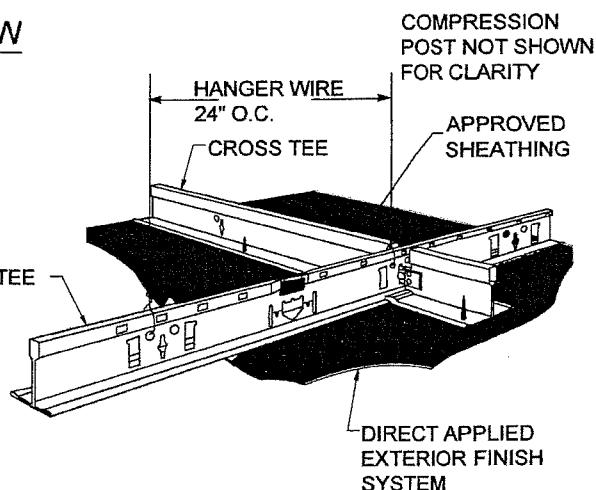
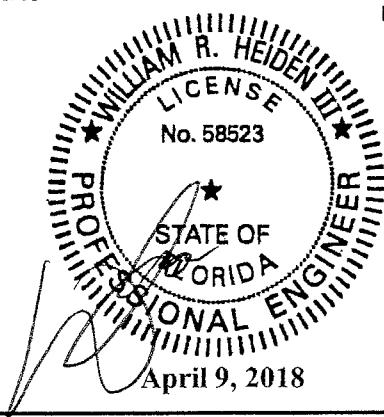
as complying with the Florida  
Building Code

NOA-No. 17-0919.03

Expiration Date 09/08/2020

By   
Miami-Dade Product Control

DESIGN PRESSURE  
+75 PSF/-75 PSF



**DETAIL 1**

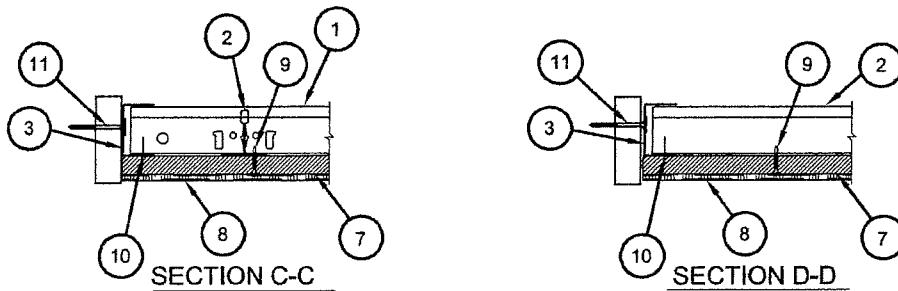
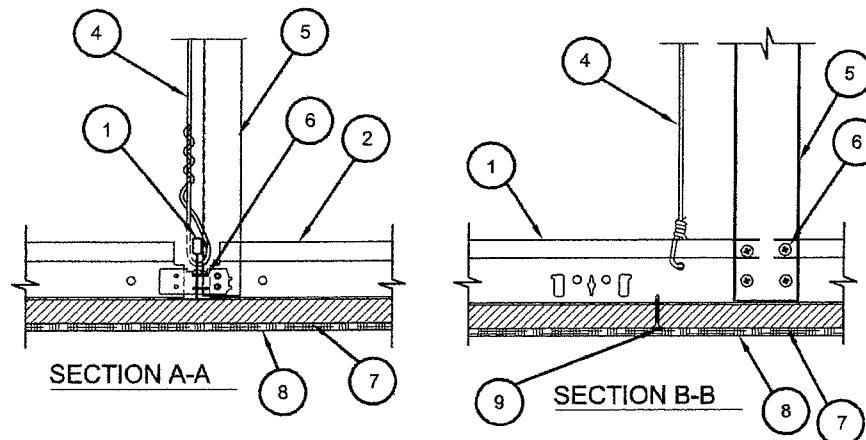


UNITED STATES  
GYPSUM CO.  
550 West Adams Street  
Chicago, Illinois 60661

MIAMI DADE COUNTY  
PRODUCT CONTROL  
APPROVAL

ISOMETRIC VIEW  
DRYWALL SUSPENSION SYSTEM  
WITH APPROVED SHEATHING  
FOR EXTERIOR APPLICATIONS

SHEET  
2 OF 5



NOTE:

BELOW ARE 4 OPTIONS FOR DIRECT APPLIED EXTERIOR FINISH SYSTEM. ALL PRODUCTS SHALL BE APPLIED PER MANUFACTURER INSTALLATION INSTRUCTIONS.

OPTION 1: DRYVIT

BASE COAT: PRIMUS DM  
MESH: STANDARD 4.3 oz. REINFORCING MESH  
FINISH COAT: DRYVIT DPR FINISH

OPTION 2: PAREX

BASE COAT: PAREX 121  
MESH: PAREX MESH 355  
FINISH: PAREX DPR STANDARD FINISH

OPTION 3: SENERGY

BASE COAT : SENERGY ALPHA DRY BASE COAT  
MESH: FLEXGUARD 4 MESH  
FINISH: SENERFLEX FINISH

OPTION 4: STO

BASE COAT: STO PRIMER/ADHESIVE-B  
MESH: STO MESH 4.5 oz.  
FINISH: STO ESSENCE DPR FINISH

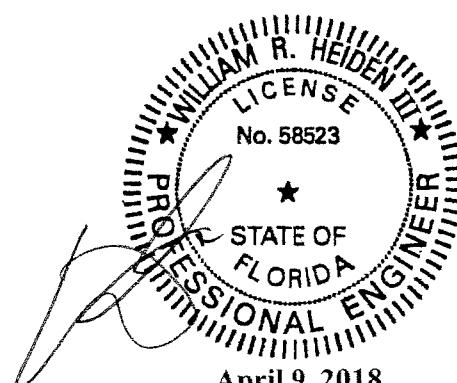
DESIGN PRESSURE  
+75 PSF/ -75 PSF

**PRODUCT REVISED**  
as complying with the Florida  
Building Code

NOA-No. 17-0919.03

Expiration Date 09/08/2020

By J. H. Heiden  
Miami-Dade Product Control

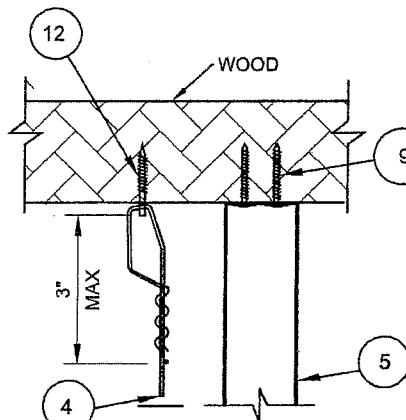


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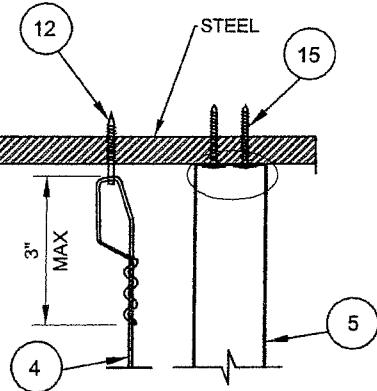
MIAMI DADE COUNTY  
PRODUCT CONTROL  
APPROVAL

DETAILS AND FINISH OPTIONS  
DRYWALL SUSPENSION SYSTEM  
WITH APPROVED SHEATHING  
FOR EXTERIOR APPLICATIONS

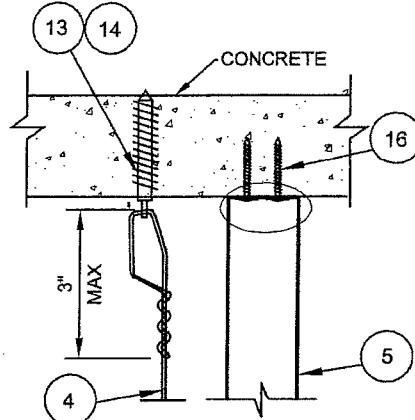
SHEET  
3 OF 5



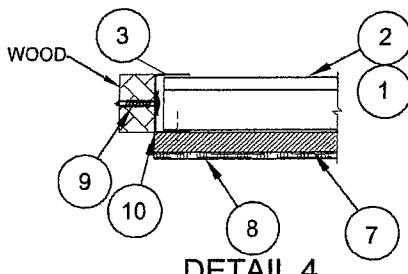
DETAIL 1



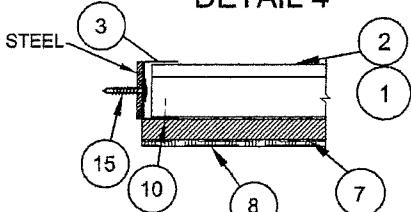
DETAIL 2



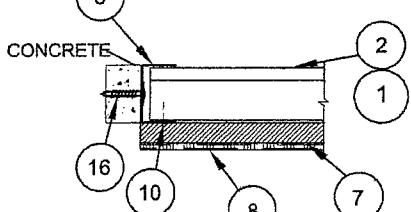
DETAIL 3



DETAIL 4



DETAIL 5



DETAIL 6

ANCHORING NOTES:

UNLESS ANCHORING TO THE MAIN STRUCTURE IS DESIGNED BY ENGINEER OR ARCHITECT OF RECORD, USE DETAILS 1 THROUGH 6 FOR ATTACHMENT.

1. WOOD SUBSTRATE DETAIL 1 & 4

- HANGER WIRE: USE 1-#10 EYE SCREW OR EQUIVALENT WITH 1 $\frac{1}{4}$ " MINIMUM PENETRATION

- COMPRESSION POST: USE 3 - #8 SCREWS OR EQUIVALENT WITH 1 $\frac{1}{4}$ " MINIMUM PENETRATION

- MOLDING CHANNEL: USE 1-#8 SCREW OR EQUIVALENT WITH  $\frac{1}{2}$ " MINIMUM PENETRATION AT 8" O.C.

2. STEEL SUBSTRATE, DETAIL 2 & 5

- HANGER WIRE: USE 1-#10 EYE SCREW OR EQUIVALENT ATTACHED TO MINIMUM 14 GA. STEEL.

- COMPRESSION POST: USE 3 - #8 SCREWS OR EQUIVALENT ATTACHED TO MINIMUM 18 GA. STEEL.

- MOLDING CHANNEL: USE 1-#8 SCREW OR EQUIVALENT AT 8" O.C.

3. CONCRETE SUBSTRATE, DETAIL 3 & 6

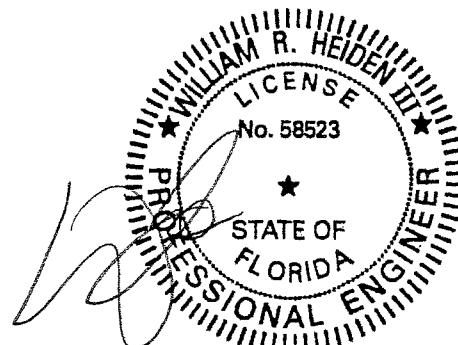
- HANGER WIRE: USE 1/4" HILTI HHDCA ANCHOR OR X-CW X-U 27 CEILING WIRE ANCHOR OR EQUIVALENT IN LIGHT OR NORMAL WEIGHT CONCRETE ( $f'_c$  = 3500 PSI MIN.)

- COMPRESSION POST: USE 3 -  $\frac{3}{16}$ " DIA. TAPCON CARBON STEEL OR STAINLESS ANCHOR OR EQUIVALENT WITH 2" MINIMUM EMBEDMENT AND 1 $\frac{1}{8}$ " MIN. EDGE DISTANCE IN 3000 PSI CONCRETE.

- MOLDING CHANNEL: USE 1-  $\frac{3}{16}$ " DIA. TAPCON ANCHOR OR EQUIVALENT WITH 1" MINIMUM EMBEDMENT AND 2" MIN. EDGE DISTANCE IN 3000 PSI CONCRETE OR MEDIUM-WEIGHT CMU BLOCKS.

DESIGN PRESSURE  
+75 PSF/-75 PSF

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 17-0919.03  
Expiration Date 09/08/2020  
By Miami-Dade Product Control

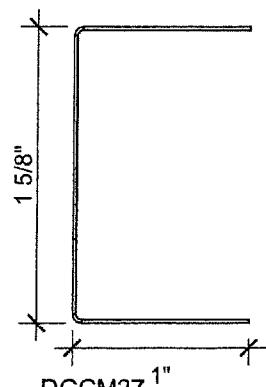


UNITED STATES  
GYPSUM CO.  
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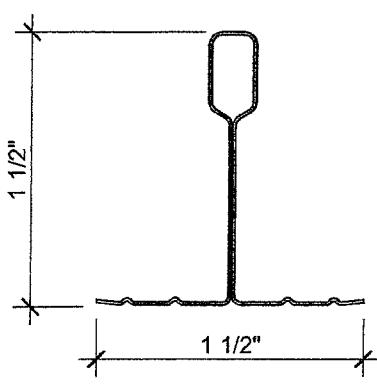
MIAMI DADE COUNTY  
PRODUCT CONTROL  
APPROVAL

ANCHORAGE DETAILS  
DRYWALL SUSPENSION SYSTEM  
WITH APPROVED SHEATHING  
FOR EXTERIOR APPLICATIONS

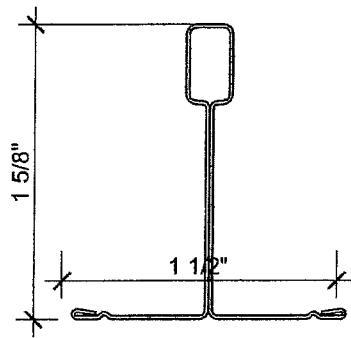
SHEET  
4 OF 5



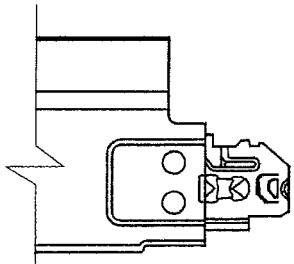
DGCM27 1"  
DRYWALL PERIMETER  
CHANNEL MOLDING



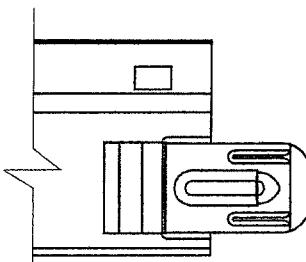
DGLW224 FIRE RATED  
CROSS TEE



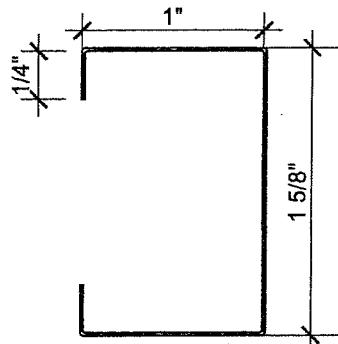
DGLW26 FIRE RATED  
MAIN TEE



TYPICAL CROSS TEE CLIP



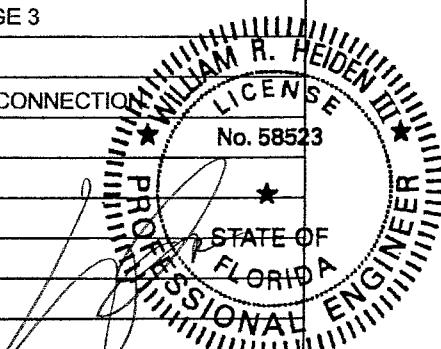
TYPICAL MAIN TEE  
SPLICE CLIP



158S125 20GA  
METAL STUD  
Fy = 33 KSI (MIN)

LIST OF MATERIALS

ITEM	DESCRIPTION	PRODUCT REVISED as complying with the Florida Building Code NOA-No. <u>17-0919.03</u>
1	DGLW26 MAIN TEE BY USG INTERIORS, MIN. G90.	
2	DGLW224 CROSS TEE BY USG INTERIORS, MIN. G90.	Expiration Date <u>09/08/2020</u>
3	DGCM27 PERIMETER CHANNEL MOLDING BY USG INTERIORS, MIN. G90.	By <u>Heiden</u> Miami-Dade Product Control
4	12 GAUGE HANGER WIRE, MINIMUM 3 WRAPS.	
5	158S125 20 GA METAL STUD Fy=33 KSI MIN. FOR COMPRESSION POST or DGCM27 CHANNEL FOR 24" PLENUM HEIGHT, IF LONGER, MUST BE DESIGNED BY EOR.	
6	MIN. #8-3/4" TYPE S12 SHEET METAL SCREW.	
7	MIN. $\frac{1}{2}$ " USG SECUROCK SHEATHING OR MIN. $\frac{1}{2}$ " ULTRALIGHT SECUROCK SHEATHING OR MIN. $\frac{1}{2}$ " ExoAir 430 PANELS.	
8	DIRECT APPLIED EXTERIOR FINISH SYSTEM - SEE NOTES, PAGE 3	
9	MIN. #8-1 1/4" TYPE S WAFER HEAD OR LATH SCREW @ 8" O.C.	
10	1/8" RIVET, ONE PER TEE TO PERIMETER CHANNEL MOLDING CONNECTION	
11	#8 - 1 1/4" SCREW.	
12	#10 EYE SCREW OR EQUIVALENT.	
13	HILTI X-CW X-U-27 FASTENER	
14	HILTI HHDCA CEILING HANGER WITH 1-1/4" EMBEDMENT	
15	#8 - 1 1/4" SCREW	
16	$\frac{3}{16}$ " CARBON STEEL OR STAINLESS STEEL TAPCON ANCHOR	



DESIGN PRESSURE  
+75 PSF / -75 PSF

April 9, 2018



UNITED STATES  
GYPSUM CO.  
550 West Adams Street  
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MIAMI DADE COUNTY  
PRODUCT CONTROL  
APPROVAL

COMPONENTS  
DRYWALL SUSPENSION SYSTEM  
WITH APPROVED SHEATHING  
FOR EXTERIOR APPLICATIONS

SHEET  
5 OF 5