



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

PlyLox, Inc.
P.O. Box 1749
Friendswood, TX 77549

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: PlyLox Shutter System with Commercial Clips

APPROVAL DOCUMENT: Drawing titled "PlyLox Commercial Clips", sheets 1 through 3 of 3, dated 09/04/2009, with last revision dated 04/26/2022, prepared by PlyLox, Inc, signed and sealed by Scott Wolters, P.E. on 04/26/2022, 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 panel shall bear a permanent label with the manufacturer's name or logo, city, state, the following statement: "Miami-Dade County Product Control Approved", NOA number, and TAS-201, TAS-202, and TAS-203, 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 #19-0603.06 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 **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
06/29/2023

NOA No. 21-0708.16
Expiration Date: 12/30/2024
Approval Date: 06/29/2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOA's
- A. **DRAWINGS** *"Submitted under NOA # 14-0930.18"*
 1. Drawing titled "PlyLox Commercial Clips", sheets 1 through 3 of 3, dated 09/04/2009, prepared by PlyLox, Inc, signed and sealed by Scott Wolters, P.E.
- B. **TESTS** *"Submitted under NOA # 09-1014.14"*
 1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of PlyLox Commercial Clips Shutter System, prepared by Hurricane Testing Lab, LLC, Test Report No. **T544-0401-09**, dated 07/08/09, signed and sealed by Steven R. Samuels, P.E.
- C. **CALCULATIONS** *"Submitted under NOA # 09-1014.14"*
 1. Anchorage verification calculations prepared by Wolters Engineering, Inc, dated 09/23/2009, signed and sealed by Scott Wolters, 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 # 14-0930.18"*
 1. Statement letter of code conformance to 2010 and 5th edition (2014) FBC issued by Wolters Engineering, Inc, dated 09/23/2014, signed and sealed by Scott Wolters, P.E.

"Submitted under NOA # 09-1014.14"

 2. No financial interest letter issued by Wolters Engineering, Inc, dated 10/08/2009, signed and sealed by Scott Wolters, P.E.
2. **EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #19-0603.06**
- A. **DRAWINGS**
 1. Drawing titled "PlyLox Commercial Clips", sheets 1 through 3 of 3, dated 09/04/2009, with last revision dated 05/28/2019, prepared by PlyLox, Inc, signed and sealed by Scott Wolters, P.E. on 05/28/2019.
- B. **TESTS**
 1. None.



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 21-0708.16
Expiration Date: 12/30/2024
Approval Date: 06/29/2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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 6th edition (2017) FBC issued by Wolters Engineering, Inc, dated 05/28/2019, signed and sealed by Scott Wolters, P.E.

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing titled "PlyLox Commercial Clips", sheets 1 through 3 of 3, dated 09/04/2009, with last revision dated 04/26/2022, prepared by PlyLox, Inc, signed and sealed by Scott Wolters, P.E. on 04/26/2022.*

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 7th edition (2020) FBC issued by Wolters Engineering, Inc, dated 04/26/2022, signed and sealed by Scott Wolters, P.E.



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 21-0708.16
Expiration Date: 12/30/2024
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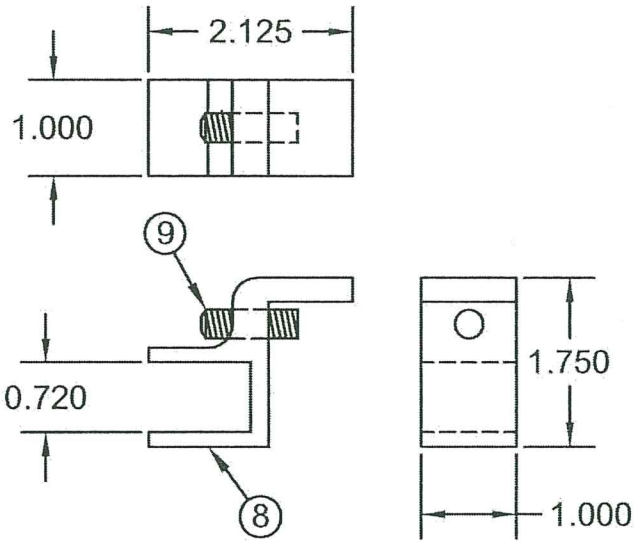
GENERAL NOTES

1. THIS PLYLOX COMMERCIAL CLIP PRODUCT USED ON A STRUT-REINFORCED PLYWOOD PANEL ASSEMBLY FABRICATED AS DETAILED IN THIS DRAWING, MAY BE USED AS A SHUTTER SYSTEM.
2. THIS SHUTTER SYSTEM HAS BEEN TESTED TO TAS 201-94, TAS 202-94, AND TAS 203-94 (REF. HTL TEST REPORT T544-0401-09) AND MEETS THE REQUIREMENTS OF THE 7TH EDITION (2020) FLORIDA BUILDING CODE AS AN IMPACT RESISTANT COVERING.
3. THE SHUTTER SYSTEM MAY BE INSTALLED ON EXISTING GLAZED FENESTRATION PRODUCTS (BY OTHERS) WITH ALUMINUM (6063-T52 MINIMUM) FRAMING, PROVIDED THERE IS A SEPARATION BETWEEN THE GLAZING AND SHUTTER SYSTEM AS SHOWN IN DETAIL B.
4. THE STRUCTURAL ADEQUACY AND SUITABILITY OF THE FENESTRATION PRODUCT OR FRAMING ON WHICH THIS SHUTTER SYSTEM IS TO BE INSTALLED SHALL BE VERIFIED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.
5. AN ALLOWABLE STRESS INCREASE HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM.
6. THE PLYWOOD AND STRUTS USED TO FABRICATE THE SHUTTER PANELS SHALL BE PROTECTED WITH SEALANT OR OTHER SUITABLE WATER-PROOFING METHOD TO ENSURE QUALITY AND PREVENT DETERIORATION OF THE SHUTTER SYSTEM. ALL SURFACES INCLUDING ENDS AND EDGES SHALL BE PROPERLY PROTECTED.
7. THE DESIGN PRESSURE OF THIS SHUTTER SYSTEM IS + / - 60.0 P.S.F.

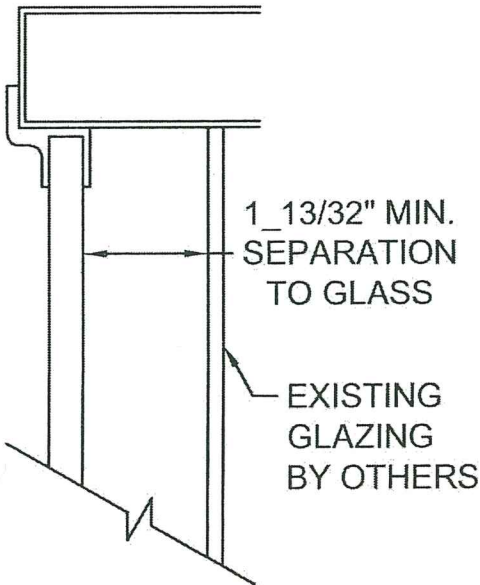
BILL OF MATERIALS

ITEM	SIZE AND DESCRIPTION	MATERIAL
1	4 'X 8' X 23/32" PLYWOOD SHEATHING	HUD-UM-40 48/24 EXP. 1 MIN.
2	2' X 8' X 23/32" PLYWOOD SHEATHING	HUD-UM-40 48/24 EXP. 1 MIN.
3	1-1/2" X 8' X 23/32 PLYWOOD SPACER	HUD-UM-40 48/24 EXP. 1 MIN.
4	1' X 8' X 23/32 PLYWOOD SPLICE	HUD-UM-40 48/24 EXP. 1 MIN.
5	2X4 (NOMINAL) STRUT	SOUTHERN PINE SPIB No. 2 MIN.
6	4" X #10 EXTERIOR WOOD SCREWS	GRIP RITE PRIMEGUARD PTN4S
7	1-1/4" X #7 EXTERIOR WOOD SCREWS	DECKMATE
8	1.750" X2.125"X0.150" PLYLOX CLIP	6063-T6 ALUMINUM
9	1" X 5/16" X 18 SET SCREWS	STAINLESS STEEL
10	WELDBOND ADHESIVE	

INDEX	
SHEET	DESCRIPTION
1	NOTES, BOM, DETAILS
2	DIMENSIONED ELEVATION
3	DETAILS



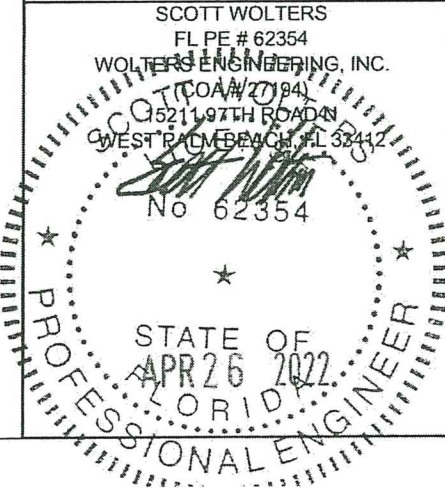
A DETAIL (PLYLOX COMMERCIAL CLIP)
HALF SCALE



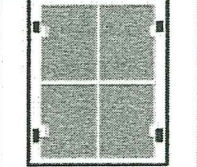
B GLASS SEPARATION

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 21-0708-16
Expiration Date 12/30/2024
By H. G. A. M. M.
Miami Date Product Control

SCOTT WOLTERS
FL PE # 62354
WOLTERS ENGINEERING, INC.
(COA# 20194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
No 62354

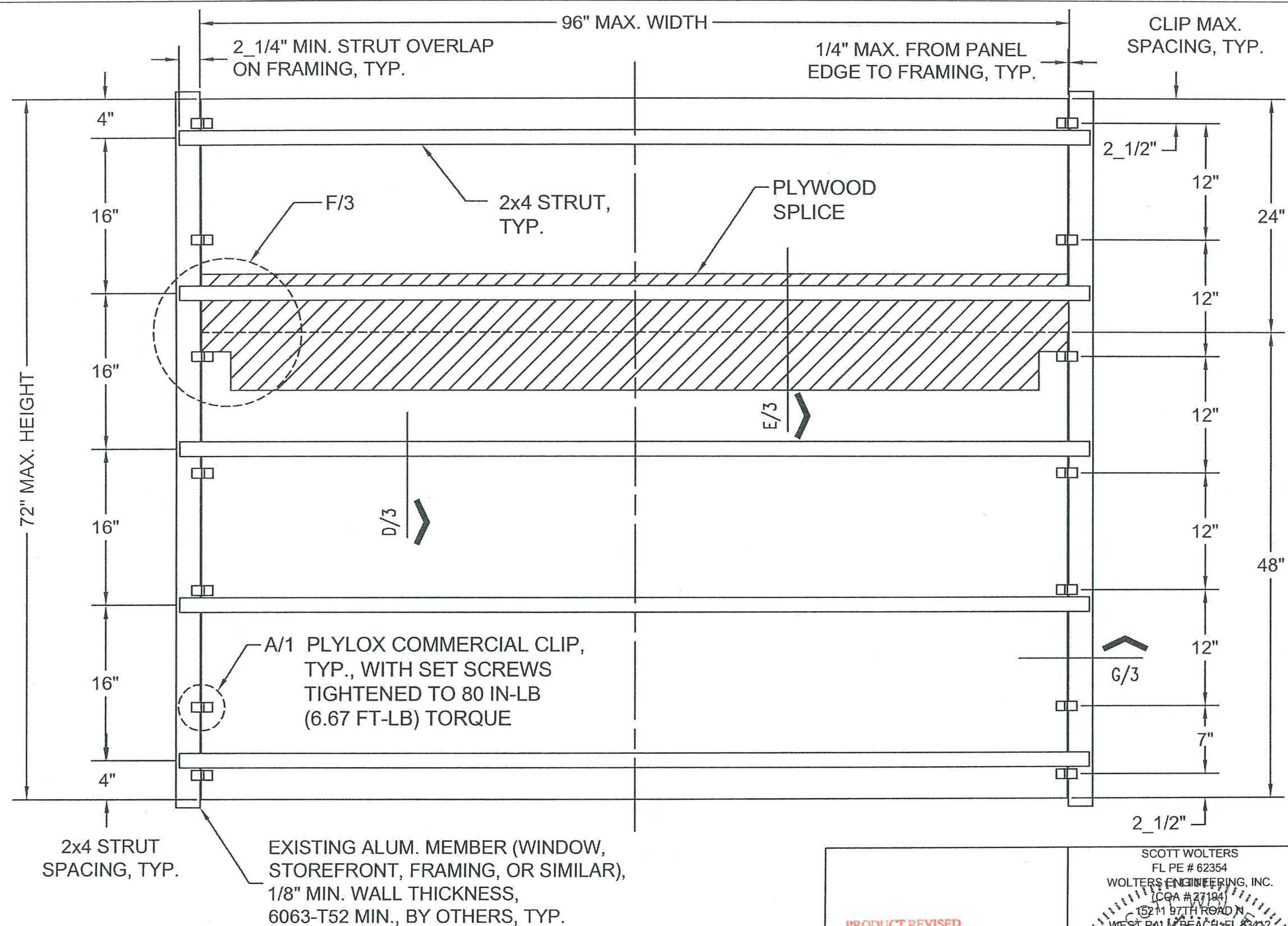


PLYLOX, INC.
PO BOX 1749
FRIENDSWOOD, TX 77549
(281) 996-6903 (O) (281) 992-4523



PLYLOX
COMMERCIAL
CLIPS
NOTES, BOM
SHEET
1 OF 3

BY	LAT	DESCRIPTION	DATE	REV.	CAD FILE: H544-0901-09	CHECKED BY:	DATE:	APPROVED BY:	DATE:
		ORIGINAL DRAWING	9/4/2009	1.0					
		2017 CODE UPDATE	5/28/19	1.0					
		2020 CODE UPDATE	4/26/22	2.0					

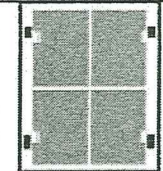


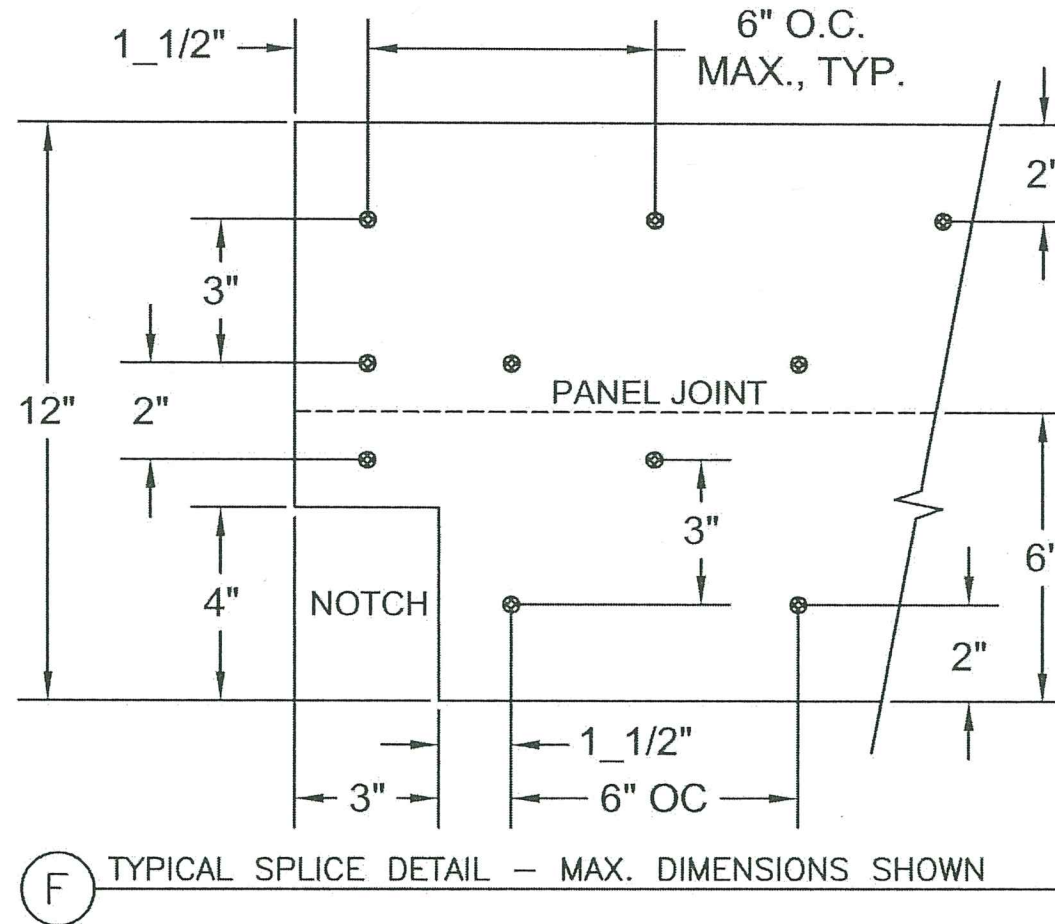
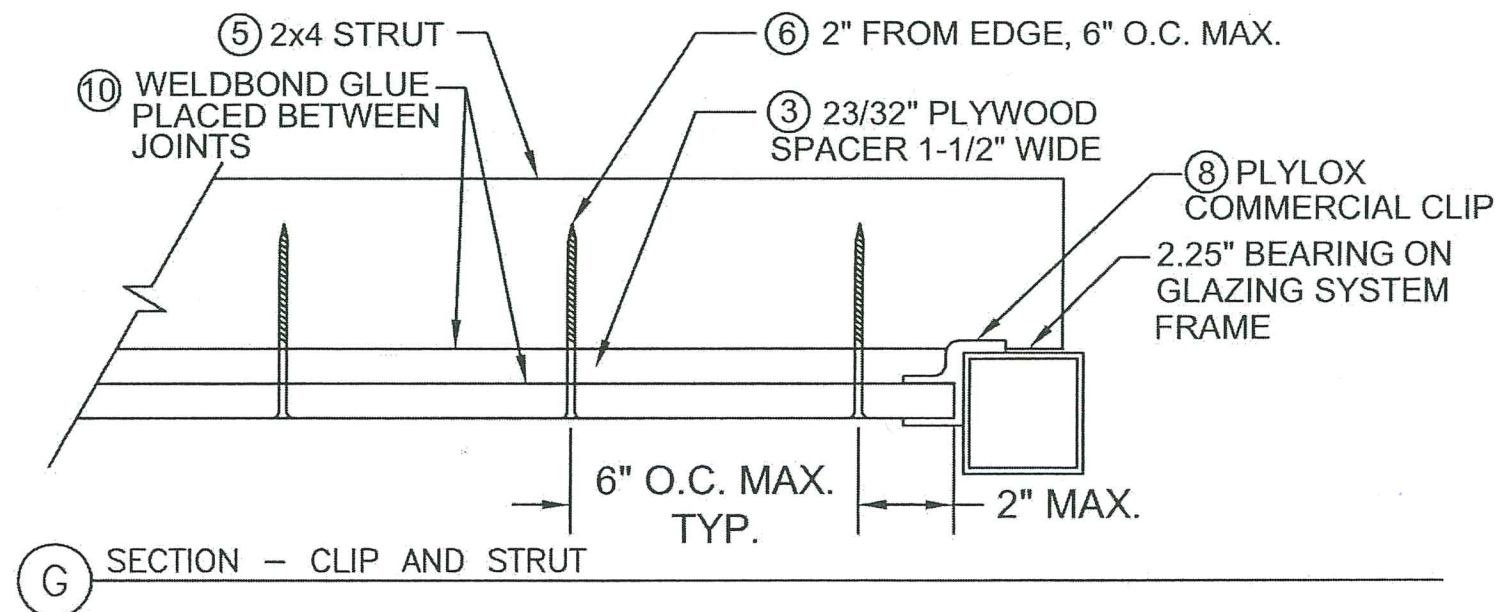
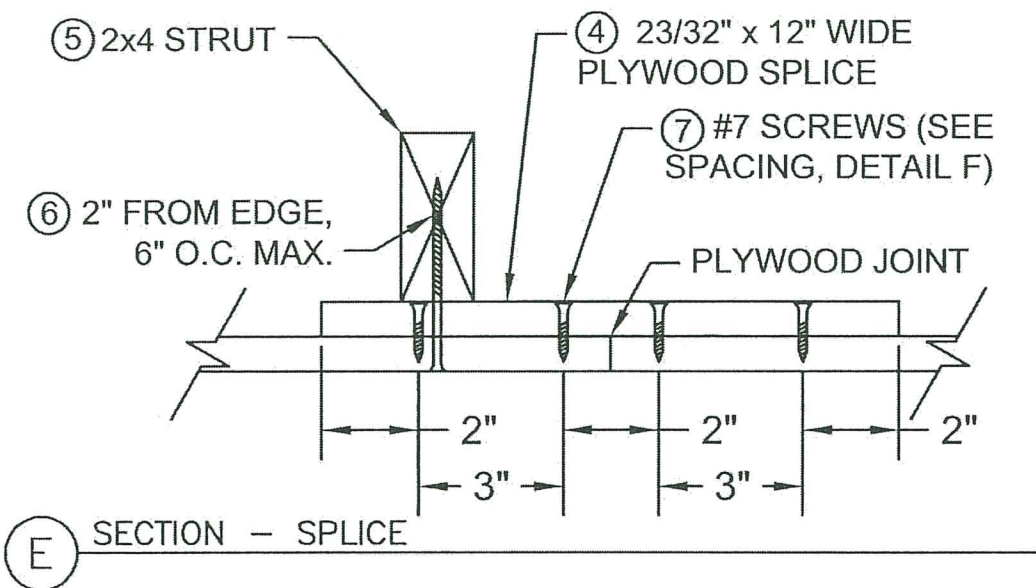
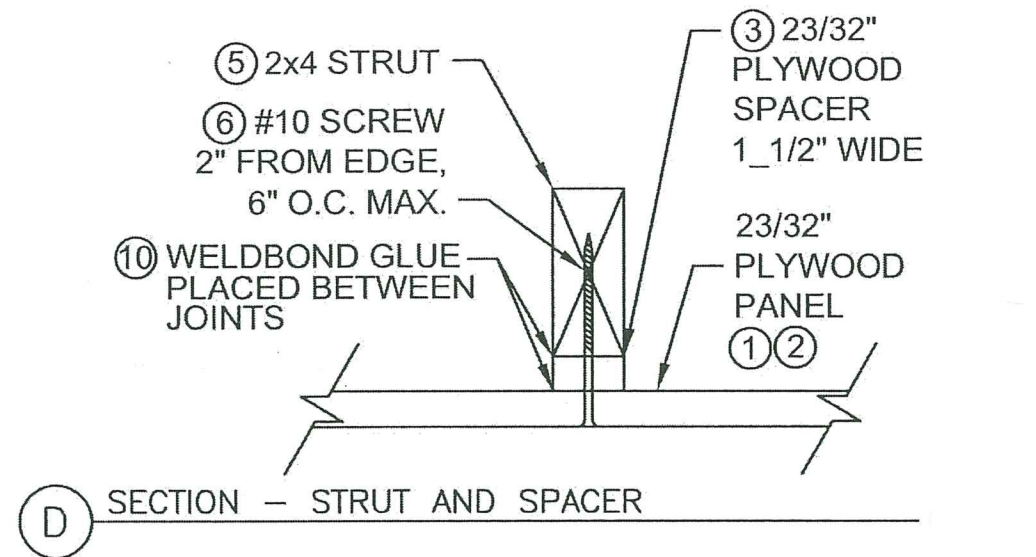
(C) DIMENSIONED ELEVATION

DESIGN PRESSURE OF SHUTTER SYSTEM: +/- 60.0 P.S.F.

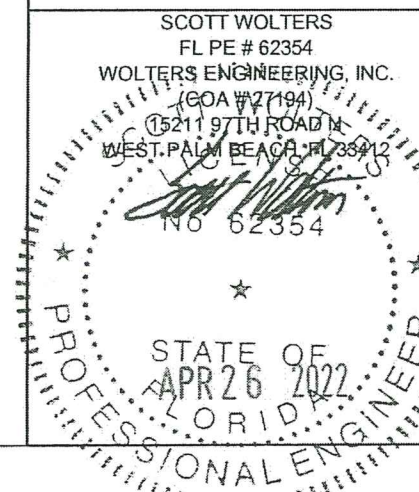
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 21-0708.16
Expiration Date 12/30/2024
By: *Healy P. Miller*
Miami Dade Product Control

SCOTT WOLTERS
FL PE # 62354
WOLTERS ENGINEERING, INC.
(CQA # 27194)
13211 97TH ROAD N
WEST PALM BEACH, FL 33412
No. 62354
STATE OF FLORIDA
APR 26 2022
PROFESSIONAL ENGINEER

BY	LAT				
DESCRIPTION	ORIGINAL DRAWING				
DATE	9/4/2009				
REV.	1.0				
CAD FILE: H544-0001-09	CHECKED BY:	DATE:	APPROVED BY:	DATE:	
DATE: 9/4/2009	DRAWN BY: LAT	SCALE: N.T.S.			
PLYLOX, INC. PO BOX 1749 FRIENDSWOOD, TX 77549 (281) 996-6903 (O) / (281) 992-4523					
					
PLYLOX COMMERCIAL CLIPS ELEVATION SHEET 2 OF 3					



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 21-0708.16
Expiration Date 12/30/2024
By *Heidi H. Miller*
Miami Data Product Control

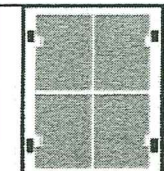


REV.	DATE	DESCRIPTION	BY	LAT
1.0	9/4/2009	ORIGINAL DRAWING		

CAD FILE: H544-0801-09	CHECKED BY:	DATE:	APPROVED BY:	DATE:

DATE: 9/4/2009	DRAWN BY: LAT	SCALE: N/A
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PLYLOX, INC.	PO BOX 1749 FRIENDSWOOD, TX 77549	(281) 996-6903 (O) (281) 992-4523
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	PLYLOX
PLYLOX COMMERCIAL CLIPS	
DETAILS SHEET	
3 OF 3	