



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

## NOTICE OF ACCEPTANCE (NOA)

Whirlwind Steel Buildings, Inc.  
8234 Hansen Road  
Houston, TX 77075

### 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: Super Span X 24 Ga. (0.024" min.) Steel Roof Panels System

**APPROVAL DOCUMENT:** Drawing titled "Super Span X, 24 GA., Steel Roof Panel System", prepared by Whirlwind Steel Buildings, Inc., dated April 15, 2014, revision 2 on March 25, 2021 signed and sealed by Ronald H. Mays, P.E., on April 09, 2021, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the 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, Lithia Springs, GA 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 **renews** NOA #23-1017.20 and consists of this page 1, evidence submitted pages E-1, E-2, E-3 & E-4 as well as approval document mentioned above.

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



*Helmy A. Makar*  
08/01/24

NOA No. 24-0717.01  
Expiration Date: 07/17/2025  
Approval Date: 08/01/2024  
Page 1

**Whirlwind Steel Buildings, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 08-0310.10**

**A. DRAWINGS:**

1. Drawing titled " Super Span X 24 GA. Roof Details ", prepared by Terrence E. Wolfe, P.E., dated November 28, 2007, last revision dated November 28, 2007, signed and sealed by Chander P. Nangia, P.E., on November 04, 2008.

**B. TESTS**

1. Test report on Large Missile Impact Test, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. T304-07, dated 10/28/2007, signed and sealed by Daniel G. Farabaugh, P.E.
2. Test report on: 1000 hours in salt spray per ASTM B117, prepared by Asphalt Technologies, Akzo Nobel Coatings, Inc. dated 10/08/2002, signed and sealed by Charles L. Thomas.
3. Test report on: 2000 hours Accelerated Weathering per ASTM G26, prepared by Asphalt Technologies, Akzo Nobel Coatings, Inc. dated 10/08/2002, signed and sealed by Charles L. Thomas.
4. Water Spray Leakage Test per FM 4471, Appendix G, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. T305-07, dated 10/30/2007, signed and sealed by Daniel G. Farabaugh, P.E.
5. Structural Performance Test report per TAS 125-03 per ASTM E 1592-01, prepared by Force Engineering & Testing, Inc., Test Report # 14-0325T-07A, B, dated 10/27/07, signed and sealed by Terrence E. Wolfe, P.E.
6. Structural Performance Test report per TAS 125-03 per ASTM E 1592-01, prepared by Force Engineering & Testing, Inc., Test Report # 14-0325T-07C, dated 10/27/07, signed and sealed by Terrence E. Wolfe, P.E.

**C. CALCULATIONS:**


1. Calculations titled "Whirlwind steel Buildings Super Span X Panel", dated February 19, 2008, pages 1 through 5 of 5, prepared by Chander P. Nangia, P.E., signed and sealed by Chander P. Nangia, P.E., on February 19, 2008.

**D. QUALITY ASSURANCE**

1. By Miami-Dade County Building Code Compliance Office.

**E. MATERIAL CERTIFICATIONS:**

1. Tensile Test Report No. T304-07, prepared by West Penn Material Evaluation, dated August 20, 2007, signed by T. Anlt.

  
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Helmy A. Makar, P.E., M.S.  
Product Control Section Supervisor  
NOA No. 24-0717.01  
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**Whirlwind Steel Buildings, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #14-0506.08**

**A. DRAWINGS:**

1. *Drawing titled "Super Span X, 24 GA., Steel Roof Panel System", prepared by CBuck Engineering, dated 04/15/14, signed & sealed by James L. Buckner, P.E., on 4/29/14.*

**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. *Florida Building Code, 2010 Edition, compliance letter prepared by CBuck Engineering, dated 04/28/2014, signed & sealed by James L. Buckner, P.E.*

**3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #16-0211.04**

**A. DRAWINGS:**

1. *Drawing titled "Super Span X, 24 GA., Steel Roof Panel System", prepared by CBuck Engineering, dated 04/15/2014, revision #1 dated 01/21/2016, signed & sealed by James L. Buckner, P.E.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS:**

1. *None.*

**D. QUALITY ASSURANCE**

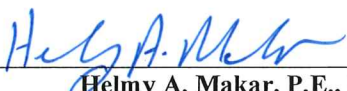
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

**E. MATERIAL CERTIFICATIONS:**

1. *None.*

**F. STATEMENTS**

1. *Florida Building Code, 2014 Edition, compliance letter prepared by CBuck Engineering, dated 01/21/2016, signed & sealed by James L. Buckner, P.E.*

  
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Helmy A. Makar, P.E., M.S.  
Product Control Section Supervisor  
NOA No. 24-0717.01  
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**Whirlwind Steel Buildings, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #19-0711.02**

**A. DRAWINGS:**

1. *Drawing titled " Super Span X, 24 GA., Steel Roof Panel System ", prepared by Whirlwind Steel Buildings, Inc., dated April 15, 2014, signed and sealed by Ronald H. Mays, P.E., on August 21, 2019.*

**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. *Florida Building Code, 2017 Edition, compliance letter prepared by Ronald H. Mays, P.E., dated 08/22/2019, signed & sealed by Ronald H. Mays, P.E.*

**5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #21-0419.10**

**A. DRAWINGS:**

1. *Drawing titled " Super Span X, 24 GA., Steel Roof Panel System ", prepared by Whirlwind Steel Buildings, Inc., dated April 15, 2014, revision 2 on March 25, 2021 signed and sealed by Ronald H. Mays, P.E., on April 09, 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. *Florida Building Code, 2020 Edition, compliance letter prepared by Ronald H. Mays, P.E., dated 04/09/2021, signed & sealed by Ronald H. Mays, P.E.*

  
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Helmy A. Makar, P.E., M.S.  
Product Control Section Supervisor  
NOA No. 24-0717.01  
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**Whirlwind Steel Buildings, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #23-1017.20**

**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. Florida Building Code, 2023 Edition, compliance letter prepared by Ronald H. Mays, P.E., dated 08/24/2023, signed & sealed by Ronald H. Mays, P.E.*

**7. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS:**

*1. None.*

**B. TESTS**

*1. None.*

**C. CALCULATIONS:**

*1. None.*

**D. QUALITY ASSURANCE**

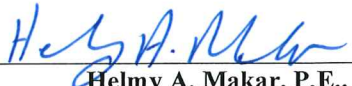
*1. By Miami-Dade County Department of Regulatory and Economic Resources.*

**E. MATERIAL CERTIFICATIONS:**

*1. None.*

**F. STATEMENTS**

*1. Florida Building Code, 2023 Edition, compliance letter prepared by Ronald H. Mays, P.E., dated 06/17/2024, signed & sealed by Ronald H. Mays, P.E.*

  
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Helmy A. Makar, P.E., M.S.  
Product Control Section Supervisor  
NOA No. 24-0717.01  
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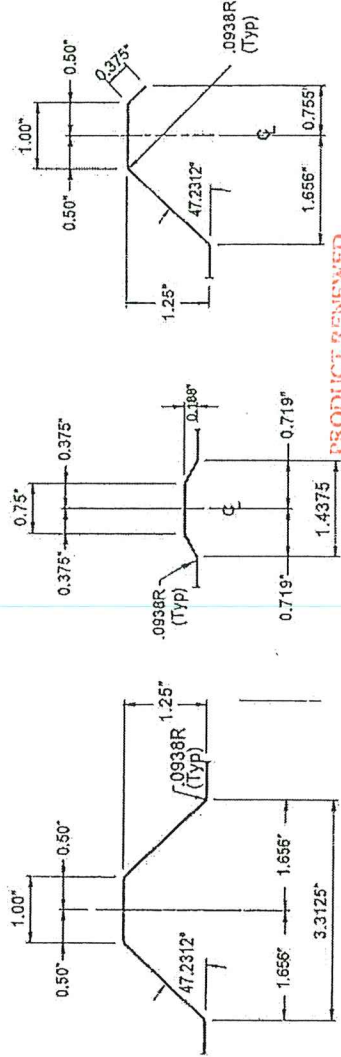
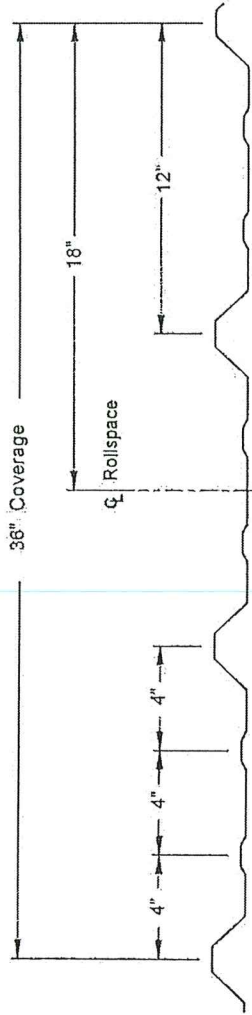
NOTES:

1. This structural Roof panel system has been designed in accordance with Florida Building Code 7<sup>th</sup> Edition (2020). The design pressures are determined from ultimate pressures as defined in Section 1620 and ASCE 7-16. Multiply the ultimate pressures by 0.6 to get design pressures.
2. The 24 Ga. Super Span X roof panels shall be used for roof construction only. The actual roof project shall be constructed using the same details shown on these drawings including:
- A) Details, all panel material characteristics and section with dimension and thickness.
- B) Erection details including all connection fasteners with size and location.
- C) Panel maximum span and pressure for the field, perimeter and corners based on panel allowables shown below.
3. The maximum allowable spans and uplift pressures for the Super Span X steel roof panel in the roof's field, perimeter, and corner zones shall be based on the following panel allowable values (use smallest span for the given pressure)

- A) Maximum allowable bending moment of the panel at supports = 114.22 ft-lbs.
- B) Maximum allowable bending moment of the panel between supports = 82.33 ft-lbs.
- C) EI value of panel = 1,160,547.0 lbs-in<sup>2</sup>
- D) Maximum allowable deflection for roof panels = L/240.
- E) Maximum interior support reaction = 198.00 Lbs.
- F) Maximum exterior support reaction = 83.83 Lbs.

4. All panel submembers shall be minimum 16 gauge (.056"). They are not part of this approval and they shall be reviewed structurally by the structural plans examiner of the corresponding building department for each job.

5. Maximum allowable panel span = 5'-0".



PRODUCT RENEWED  
as complying with the Florida  
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By *[Signature]*  
Miami Data Product Control

PANEL PROPERTIES					
Panel Gauge	Painted Panel Thickness	Yield Strength*	Tensile Strength*	Elongation*	Steel Coating*
24	0.024"	50 KSI	65 KSI	26.5	AZ 55
* Conform to ASTM A792					
Structural Quality Grade 50					
Kynar 500					

PRODUCT REVISED  
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By *[Signature]*  
Miami Data Product Control

PRODUCT REVISED  
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Expiration Date 07/17/2024  
By *[Signature]*  
Miami Data Product Control

MEMBER SCREW FOR PANEL SUPPORTS  
#12-14 x 1-1/4" Zinc Hex Head "HTZ" #2 PL with 0.58" O.D. Seal Integral Washer, By Buildex.



STITCH SCREW FOR PANEL SIDE LAPS  
1/4" -14 x 7/8" Zinc Hex Head "HTZ" with 0.58" O.D. Seal Integral Washer, By Buildex.



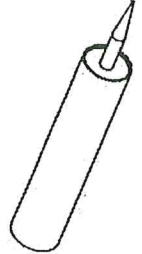
1" x 3/32" Butyl Tape

7/8" x 3/16" Butyl Tape

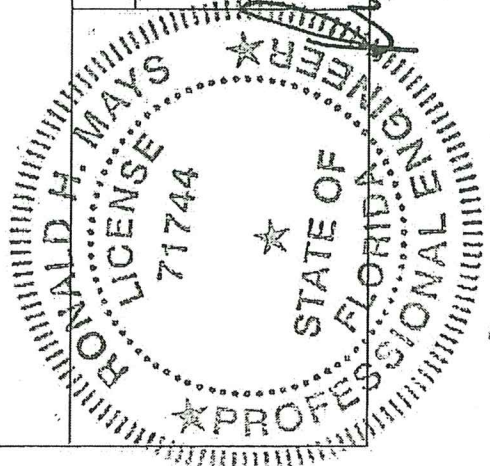
2-1/2" x 3/16" Tri-Bead Butyl Tape

Super Span X Inside (CS29R)  
Closures by Guardian

Super Span X Outside (CS28R)  
Closures by Guardian



SM5522 Acryl-R Acrylic Sealant



TITLE: "Super Span X, 24 Ga., Steel Roof Panel System"

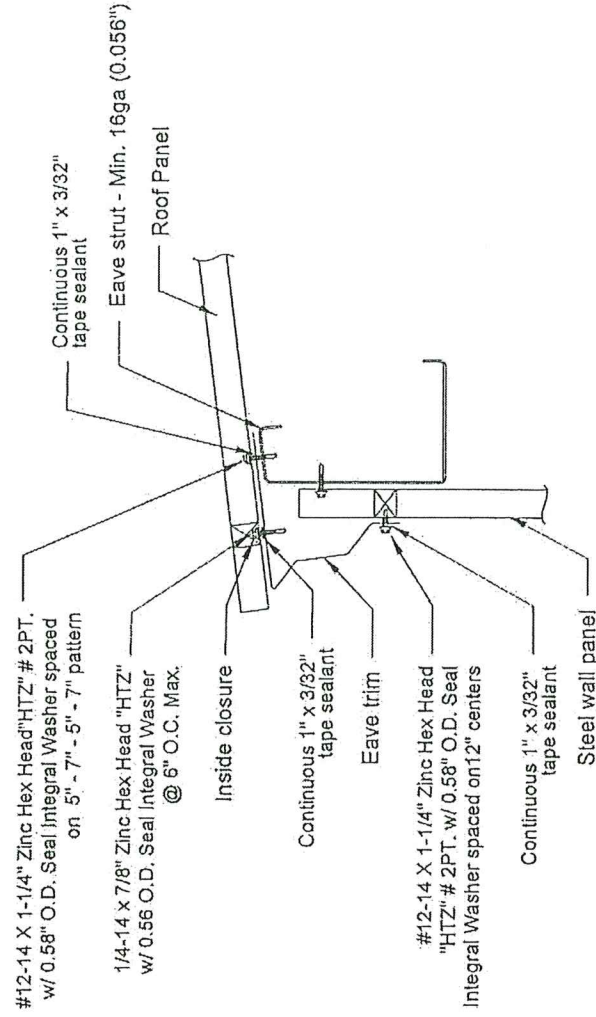
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8234 Hansen Road  
Houston, TX 77075

DATE:	4 / 15 / 14
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PROJECT #:	14-117_R
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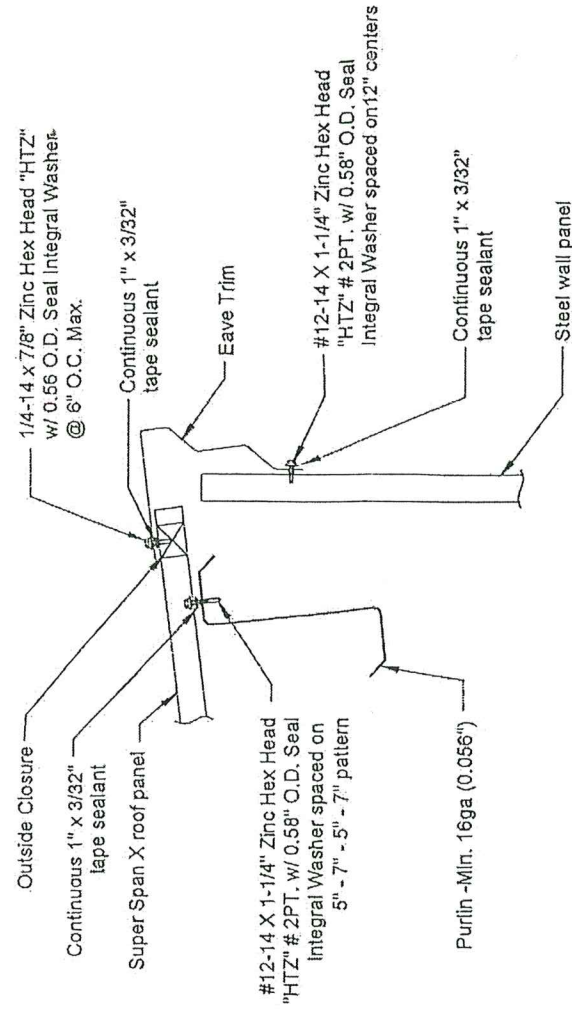




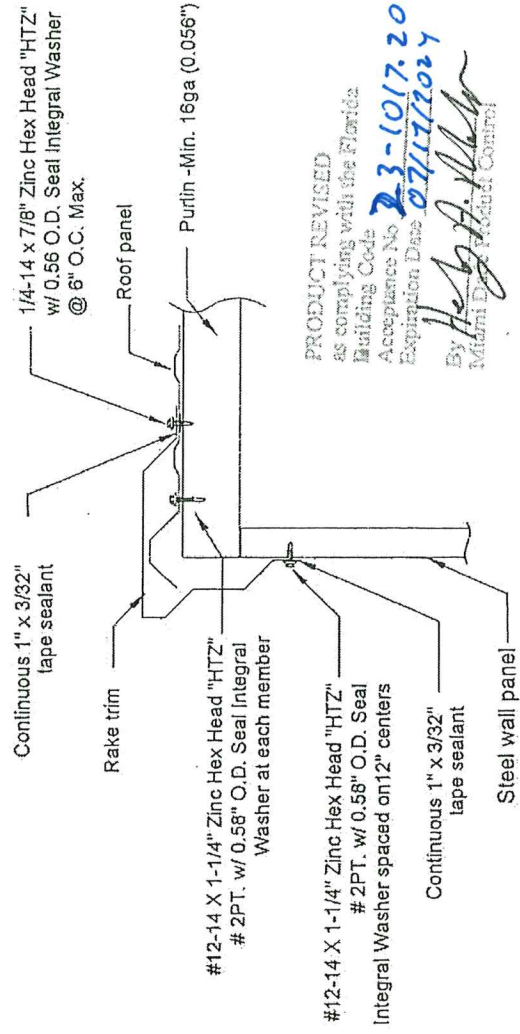




EAVE DETAIL

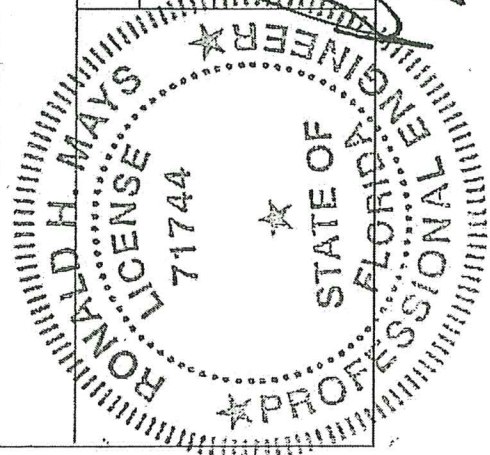


HIGH EAVE DETAIL



RAKE DETAIL

TITLE: "Super Span X, 24 Ga., Steel Roof Panel System"



Whirlwind Steel Buildings, Inc.  
8234 Hansen Road  
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DRAWN BY: yd  
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SCALE: N.T.S

PRODUCT REVISIED  
as complying with the Florida  
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Miami Design Product Control

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