



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

www.miamidade.gov

NOTICE OF ACCEPTANCE (NOA)

Whirlwind Building Systems
P.O. Box 75280
Houston, TX 77234-5280

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 Wall Panels System

APPROVAL DOCUMENT: Drawing titled " Super Span X 24 GA. Wall Details ", prepared by Terrence E. Wolfe, P.E., dated February 20, 2008, last revision dated May 29, 2008, signed and sealed by Terrence E. Wolfe, P.E., on May 29, 2008, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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 consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
06/26/2008

NOA No. 08-0310.09
Expiration Date: 06/26/2013
Approval Date: 06/26/2008

Whirlwind Building Systems

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS:

1. *Drawing titled " Super Span X 24 GA. Wall Details ", prepared by Terrence E. Wolfe, P.E., dated February 20, 2008, last revision dated May 29, 2008, signed and sealed by Terrence E. Wolfe, P.E., on May 29, 2008.*

B. TESTS

1. *Test report on: 1) Large Missile Impact Test; 2) Static Air Pressure Test; and 3) Cyclic Wind Pressure Test Pressure, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. T299-07, 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.*

C. CALCULATIONS:

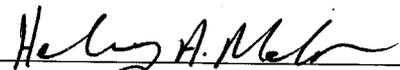
1. *Calculations titled "Whirlwind steel Buildings Super Span X Panel", dated February 22, 2008, pages 1 through 5 of 5, prepared by Terrence E. Wolfe, P.E., signed and sealed by Terrence E. Wolfe, P.E., on February 22, 2008.*

D. QUALITY ASSURANCE

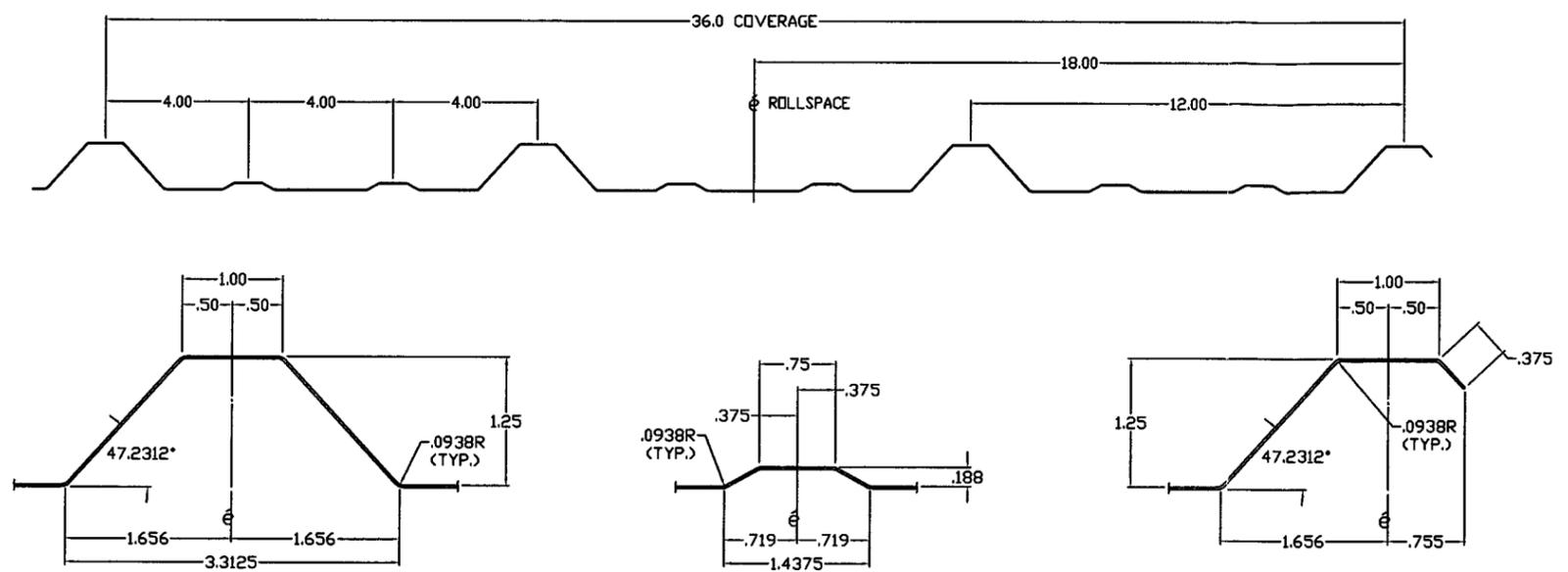
1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS:

1. *Tensile Test Report No. T299-07, prepared by West Penn Material Evaluation, dated August 20, 2007, signed by T. Anlt.*



Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 08-0310.09
Expiration Date: 06/26/2013
Approval Date: 06/26/2008



PANEL PROPERTIES						
PANEL GAGE	PAINTED PANEL THICKNESS	YIELD STRENGTH*	TENSILE STRENGTH*	ELONGATION*	STEEL COATING*	PAINT COATINGS
24	0.024"	50 KSI	65 KSI	26.5	AZ 55	KYNAR 500
*CONFORM TO ASTM A792 STRUCTURAL QUALITY GRADE 50						

NOTES:

- THE 24 GAGE SUPER SPAN X WALL PANELS SHALL BE USED FOR WALL CONSTRUCTION ONLY. THE ACTUAL WALL PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS SHOWN ON THESE DRAWINGS INCLUDING:
 - DETAILS, ALL PANEL MATERIAL CHARACTERISTICS AND SECTION WITH DIMENSION AND THICKNESS
 - ERECTION DETAILS INCLUDING ALL CONNECTION FASTENERS WITH SIZE AND LOCATION.
 - PANEL MAXIMUM SPAN AND PRESSURE FOR THE FIELD AND END ZONES BASED ON PANEL ALLOWABLES SHOWN BELOW.
- MAXIMUM ALLOWABLE PANEL SPAN = 5'-0".
- THE MAXIMUM ALLOWABLE SPAN AND (+/-) DESIGN PRESSURE FOR THE SUPERSPAN STEEL WALL PANEL IN THE WALL'S FIELD AND END ZONES SHALL BE BASED ON THE FOLLOWING PANEL ALLOWABLES (USE SMALLEST SPAN FOR THE GIVEN PRESSURE):
 - MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL AT SUPPORTS = 166.25 FT-LBS.
 - MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL BETWEEN SUPPORTS = 93.50 FT-LBS.
 - EI VALUE OF PANEL = 1,247,944.0 LBS-IN²
 - MAXIMUM ALLOWABLE DEFLECTION OF WALL PANEL = L/240
 - MAXIMUM SUPPORT REACTION = 332.5 LBS.
- ALL PANEL SUBMEMBERS SHALL BE MINIMUM 16 GAGE (.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.

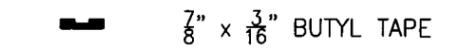
PANEL PROPERTIES



MEMBER SCREW FOR PANEL SUPPORTS:
12-14 x 1 1/4" ZINC HEX HEAD "HTZ" #2 PT. 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



7/8" x 3/16" BUTYL TAPE



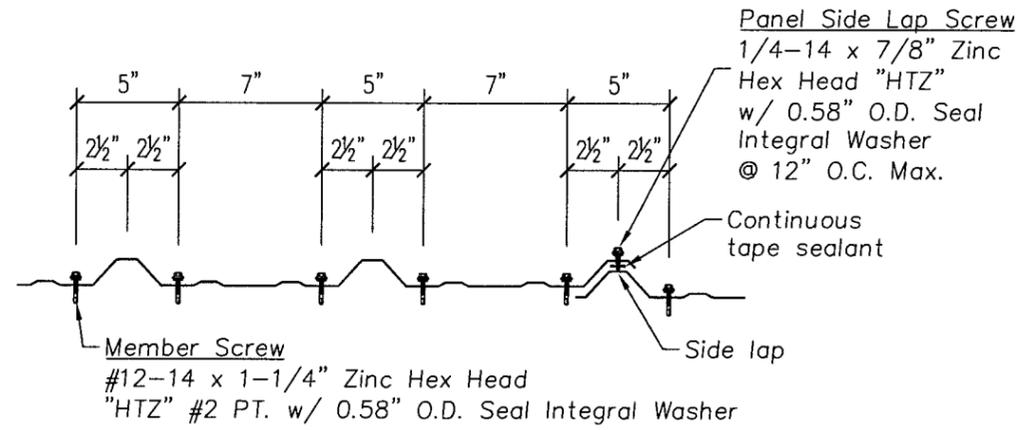
2 1/2" x 3/16" TRI-BEAD BUTYL TAPE

SUPER SPAN INSIDE(CS29R) AND OUTSIDE(CS28R) CLOSURES BY GUARDIAN

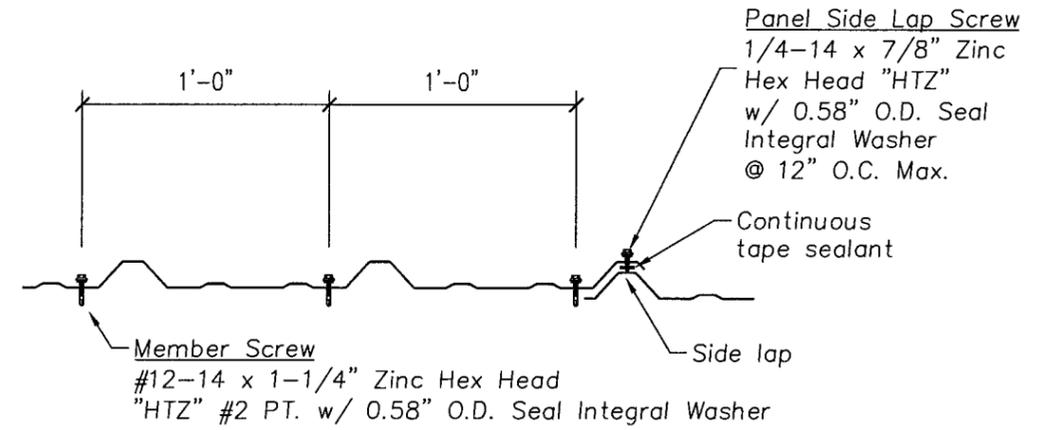
Approved as complying with the Florida Building Code
Date 06/26/2008
NOA# 08-0310-09
Miami Dade Product Control
Division
By Heather A. Melton

MANUFACTURING ENGINEER		TERRENCE E. WOLFE, P.E.	
FLORIDA REGISTRATION NO.		44923	
WHIRLWIND BUILDING SYSTEMS SUPER SPAN X 24 GA.			
REL	BY	DESCRIPTION	DATE
	BJ	DWG	2-20-08
	BJ	REVISION 1	5-20-08
PROJECT		DADE COUNTY PRODUCT APPROVAL	
SHEET TITLE		SUPER SPAN X 24 GA. WALL DETAILS	
DRAWN BY:		DATE: 2-20-08	
CHECKED BY:		SCALE: N.T.S.	
LOCATION		PROJECT NUMBER	DRAWING NUMBER
DADE COUNTY, FLORIDA			1 of 4

MAY 29 2008



DETAIL AT END LAP AND PANEL LAP



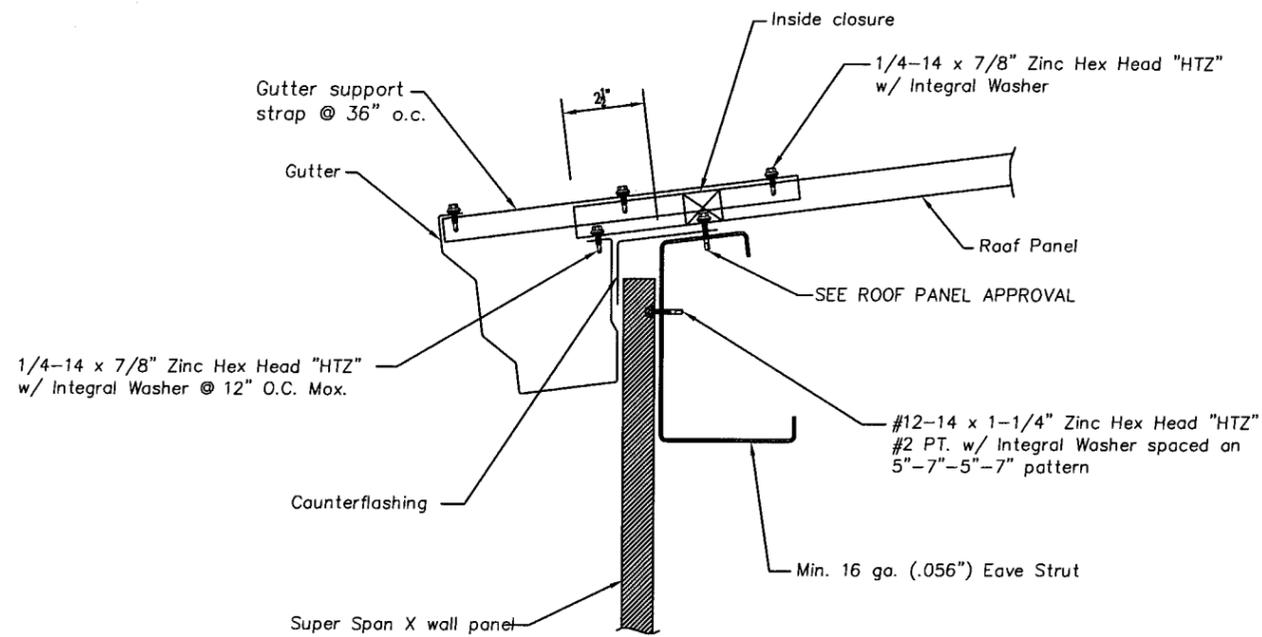
DETAIL AT REMAINING SUPPORTS @ 5'-0" O.C. MAX.

Approved as complying with the
 Florida Building Code
 Date 06/26/2008
 NGA# 08-0310-04
 Miami Dade Product Control
 Division
 By Heather A. Nelson

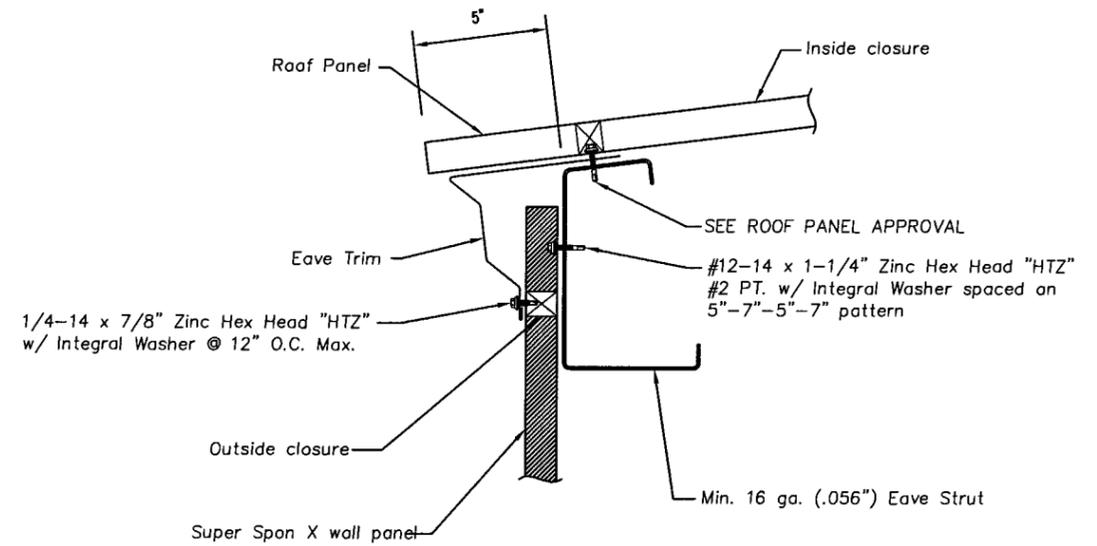
MANUFACTURING ENGINEER				TERRENCE E. WOLFE, P.E.			
FLORIDA REGISTRATION NO.				44923			
WHIRLWIND BUILDING SYSTEMS SUPER SPAN X 24 GA.							
	REL	BY	DESCRIPTION	DATE			
		BJ	DWG	2-20-08			
		BJ	REVISION 1	5-29-08			
PROJECT							
DADE COUNTY PRODUCT APPROVAL							
SHEET TITLE				DRAWN BY:		DATE: 2-20-08	
SUPER SPAN X 24 GA. WALL DETAILS				CHECKED BY:		SCALE: N.T.S.	
LOCATION				PROJECT NUMBER		DRAWING NUMBER	
DADE COUNTY, FLORIDA						2 of 4	

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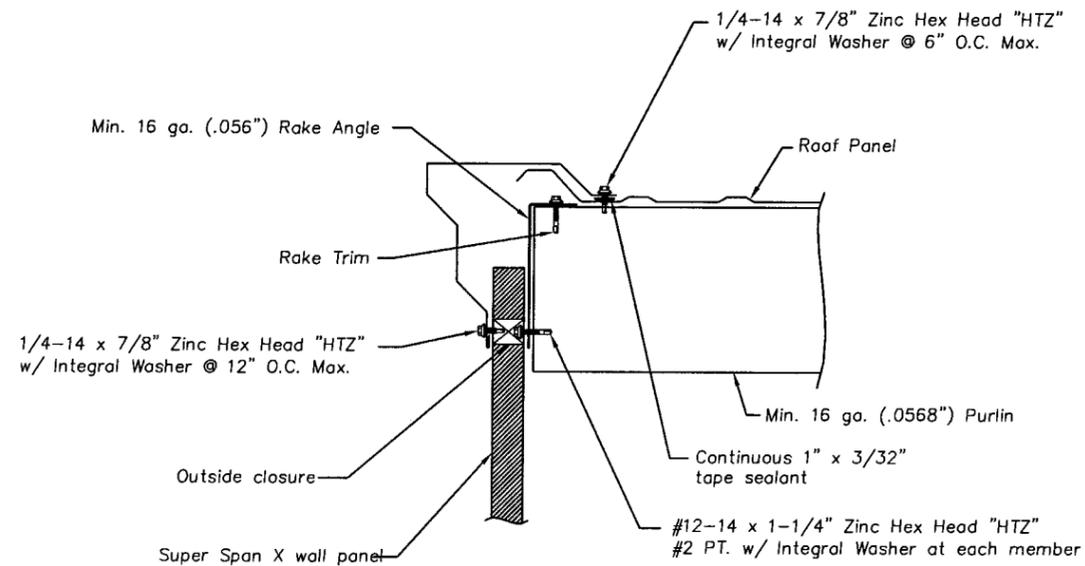
MAY 29 2008



WALL DETAIL W/ GUTTER



WALL DETAIL W/ EAVE TRIM



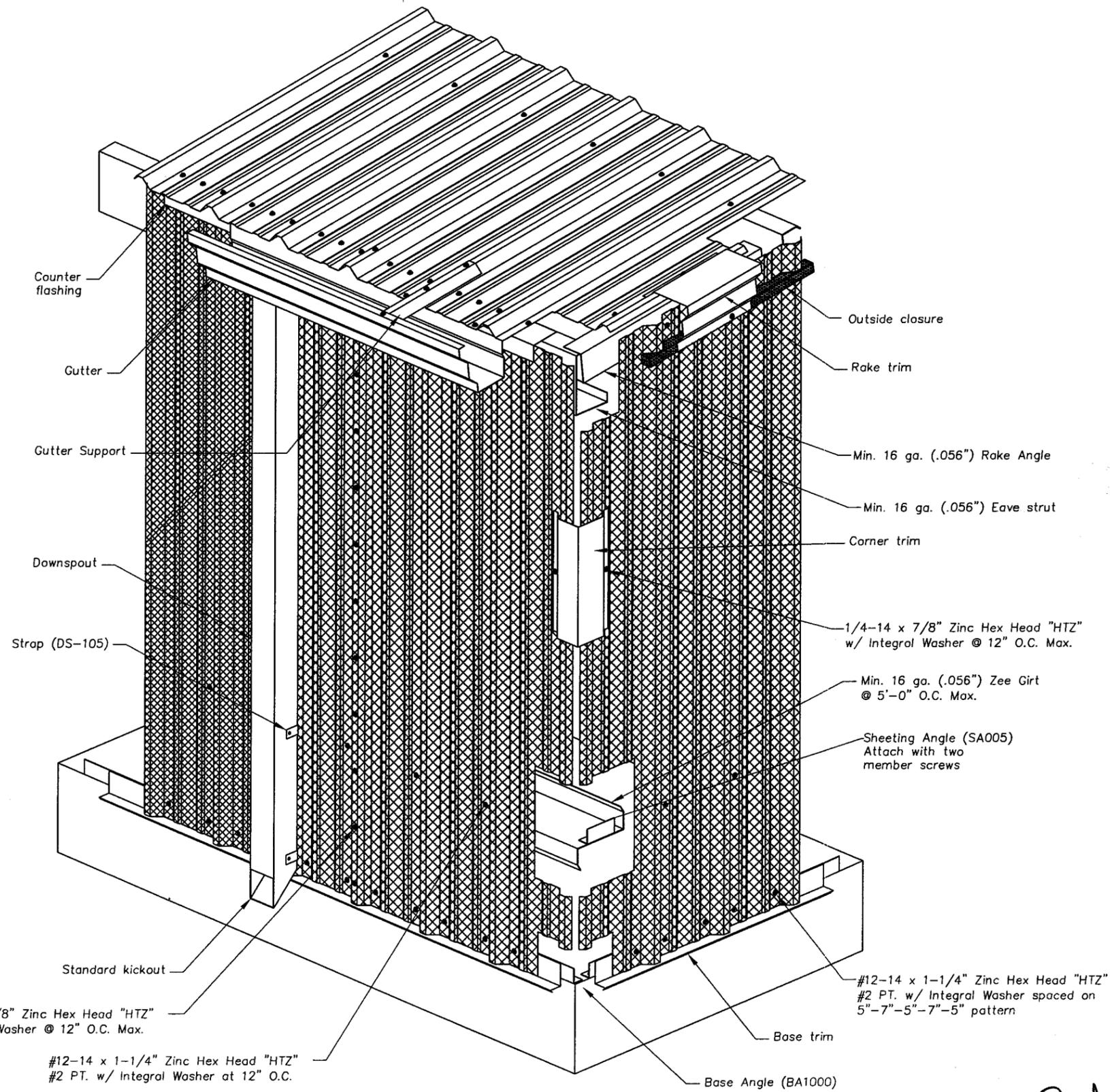
WALL DETAIL W/ RAKE TRIM

Approved as complying with the
 Florida Building Code
 Date 06/26/2008
 NOA# 08-0310-09
 Miami Dade Product Control
 Division/
 By Helmy A. Melon

MANUFACTURING ENGINEER		TERRENCE E. WOLFE, P.E.	
FLORIDA REGISTRATION NO.		44923	
WHIRLWIND BUILDING SYSTEMS SUPER SPAN X 24 GA.			
WHIRLWIND BUILDING SYSTEMS <small>P.O. BOX 75280 - 8234 HANSEN RD. HOUSTON, TX 77234-5280 - (713) 949-4800</small>		REL. BY	DATE
		BA	2-20-08
PROJECT		DESCRIPTION	
DADE COUNTY PRODUCT APPROVAL		DWG	
SHEET TITLE		DATE	SCALE
SUPER SPAN X 24 GA. WALL DETAILS		2-20-08	N.T.S.
LOCATION		PROJECT NUMBER	DRAWING NUMBER
DADE COUNTY, FLORIDA			
			SHEET NUMBER
			3 of 4

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MAY 29 2008



ISOMETRIC VIEW AT CORNER OF BUILDING

Approved as complying with the
 Florida Building Code
 Date 06/26/2008
 NOAH 08-0310-09
 Miami Dade Product Control
 Division
 By Heather A. Mabe

MANUFACTURING ENGINEER		TERRENCE E. WOLFE, P.E.	
FLORIDA REGISTRATION NO.		44923	
WHIRLWIND BUILDING SYSTEMS SUPER SPAN X 24 GA.			
REL	BY	DESCRIPTION	DATE
	BJ	DWG	2-20-08
PROJECT		DADE COUNTY PRODUCT APPROVAL	
SHEET TITLE		OWNER BY:	DATE: 2-20-08
LOCATION		CHECKED BY:	SCALE: N.T.S.
DADE COUNTY, FLORIDA		PROJECT NUMBER:	DWG NUMBER: SHEET NUMBER: 4 of 4

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MAY 29 2008