



**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.buildingcodeonline.com](http://www.buildingcodeonline.com)

**NOTICE OF ACCEPTANCE (NOA)**

**Storm Screen, Inc.**  
**18795 S.W. 108<sup>th</sup> Avenue**  
**Miami, Florida 33157**

**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: Aluminum Framed Screen Enclosure**

**APPROVAL DOCUMENT:** Drawing titled "Screen Enclosure Specs", prepared by Ramms Engineering, Inc., dated 12/31/2001, sheet 1 of 3, dated 03/28/2005, sheet 2 of 3, and dated 06/06/1995, sheet 3 of 3, all sheets signed and sealed by Robert S. Monsour, P.E. on 04/01/2005, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: None**

**LABELING:** A permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", shall be attached to the bottom of each chair rail.

**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 & renews** NOA # **00-1130.01** and consists of this page 1, evidence submitted pages E-1 and E-2 as well as approval document mentioned above.

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



*Helmy A. Makar*  
 02/23/2006

**NOA No 05-1115.03**  
**Expiration Date: 11/13/2010**  
**Approval Date: 02/23/2006**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #97-0826.04**

**A. DRAWINGS**

<b>Drawing Number Sheet Number</b>	<b>Drawing Date Latest Revision Date</b>	<b>Signed and Sealed By Date</b>
3001 Sheet 1 of 3	June 10, 1994 Revised: June 12, 1995	Robert S. Monsour, P.E. June 12, 1995
3001 Sheet 2 of 3	June 10, 1994 Revised: June 12, 1995	Robert S. Monsour, P.E. June 12, 1995
3001 Sheet 3 of 3	June 6, 1995	Robert S. Monsour, P.E. June 12, 1995

**B. TESTS**

<b>Test Laboratory</b>	Construction Testing Corporation
<b>Test Number</b>	CTC 95-013
<b>Test Results</b>	1,480 lbs positive or negative wind load on 5 in. Aluminum Super Gutter.
<b>Test Signature</b>	Christopher G. Tyson, P.E.
<b>Test Date(s)</b>	April 29 & 30, 1995

<b>Test Laboratory</b>	Construction Testing Corporation
<b>Test Number</b>	CTC 95-019
<b>Test Results</b>	1,100 lbs positive or negative wind load on 4 in. Aluminum Super Gutter.
<b>Test Signature</b>	Christopher G. Tyson, P.E.
<b>Test Date(s)</b>	April 28, 1995

<b>Test Laboratory</b>	Construction Testing Corporation
<b>Test Number</b>	CTC 94-011
<b>Test Results</b>	1,015 lbs tension wind load on 1/8 in. steel cable.
<b>Test Signature</b>	Christopher G. Tyson, P.E.
<b>Test Date(s)</b>	November 11, 1994



Helmy A. Makar, P. E.  
Product Control Examiner  
NOA No 05-1115.03  
Expiration Date: 11/13/2010  
Approval Date: 02/23/2006

**Storm Screen, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS**

<b>Signature</b>	<b>Date</b>
Robert S. Monsour, P.E.	April 18, 1994
Robert S. Monsour, P.E.	April 21, 1994
Robert S. Monsour, P.E.	October 6, 1994
Robert S. Monsour, P.E.	June 12, 1995
Walter A. Tillit, Jr., P.E.	September 16, 1995.

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #00-1130.01**

**A. DRAWINGS**

1. *None.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. MATERIAL CERTIFICATIONS**

1. *None.*

**E. STATEMENTS**

1. *Letter dated 11/29/2000, requesting renewal of NOA No. 97-0826.04 and stating that the product has not changed, prepared by Storm Screen, Inc., signed by Mr. Keith Ellis.*

**3. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing titled "Screen Enclosure Specs", prepared by Ramms Engineering, Inc., dated 12/31/2001, sheet 1 of 3, dated 03/28/2005, sheet 2 of 3, and dated 06/06/1995, sheet 3 of 3, all sheets signed and sealed by Robert S. Monsour, P.E. on 04/01/2005*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

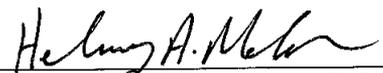
1. *Calculation prepared by Ramms Engineering, Inc., dated April 01, 2005, 41 pages, signed and sealed by Robert S. Monsour, P.E.*

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. *None.*



Helmy A. Makar, P. E.  
Product Control Examiner  
NOA No 05-1115.03  
Expiration Date: 11/13/2010  
Approval Date: 02/23/2006

COASTAL & NON-COASTAL ZONE ASCE 7-02 146 MPH EXP. "C"

REVISIONS	BY:

FLAT SPAN BEAM SCHEDULE BASED ON 10 PSF ROOF LOAD ACTING ALONE

MARK	SIZE	T1	T2	TYPE	MAX. BEAM SPANS AT GIVEN SPACINGS								
					5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"		
Box Bm.	2 x 2	.045	.045	HOLLOW	6'-0"	5'-8"	5'-5"	5'-2"	5'-0"	4'-9"	4'-8"		
Box Bm.	2 x 3	.045	.045	HOLLOW	8'-0"	7'-7"	7'-2"	7'-0"	6'-8"	6'-5"	6'-2"		
Box Bm.	2 x 4	.100	.045	LAP	13'-4"	13'-0"	12'-4"	11'-10"	11'-5"	11'-0"	10'-8"		
Box Bm.	2 x 5	.116	.050	LAP	18'-5"	18'-8"	18'-0"	14'-4"	13'-10"	13'-4"	13'-0"		
Box Bm.	2 x 6	.120	.050	LAP	17'-0"	16'-2"	15'-5"	14'-10"	14'-3"	13'-9"	13'-4"		
Box Bm.	2 x 7	.220	.055	LAP	22'-0"	20'-10"	20'-0"	18'-2"	18'-5"	17'-10"	17'-3"		
Box Bm.	2 x 8	.224	.072	LAP	26'-5"	25'-2"	24'-1"	23'-2"	22'-8"	21'-6"	20'-10"		
Box Bm.	2 x 9	.306	.082	LAP	32'-8"	31'-1"	29'-9"	28'-7"	27'-6"	26'-7"	25'-9"		
Box Bm.	2 x 10	.388	.082	LAP	38'-5"	36'-8"	35'-1"	33'-9"	32'-6"	31'-4"	30'-4"		

MANSARD BEAM SCHEDULE COMBINED LOAD OF 7.4 PSF ROOF & 24.42 PSF WALL ACTING SIMULTANEOUSLY

MARK	SIZE	T1	T2	TYPE	MAX. BEAM SPANS AT GIVEN SPACINGS								
					5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"		
Box Bm.	2 x 7	.220	.055	LAP	18'-5"	18'-8"	15'-2"	13'-8"	12'-4"	11'-0"	9'-9"		
Box Bm.	2 x 8	.224	.072	LAP	25'-3"	23'-3"	21'-10"	20'-5"	19'-0"	17'-10"	16'-8"		
Box Bm.	2 x 9	.306	.082	LAP	32'-5"	30'-3"	28'-5"	26'-9"	25'-3"	23'-10"	22'-6"		
Box Bm.	2 x 10	.388	.082	LAP	38'-5"	36'-8"	35'-1"	33'-9"	32'-3"	30'-9"	29'-3"		

NOTE: BEAM SPANS SHOWN ABOVE WERE REDUCED TO COMPENSATE FOR AXIAL COMPRESSION LOADS.

PURLIN TABLE HEAVY LINE INDICATES MAXIMUM SPAN FOR 4" GUTTER "Z" BRACKET. NO LIMIT TO 5" GUTTER MEGA BRACKET.

MARK	SIZE	T1	T2	TYPE	MAXIMUM SPAN
2 x 2	.045	.045	HOLLOW	MAXIMUM SPAN = 7'-0" AS PURLIN AND CHAIRRAIL.	
2 x 3	.045	.045	HOLLOW	MAXIMUM SPAN = 8'-0" AS PURLIN AND CHAIRRAIL.	

NOTE: MAXIMUM SPACING OF PURLINS = 84". MAXIMUM AREA IN ANY PANEL = 56 SQ. FT. MAXIMUM SPACING OF 2X2 CHAIRRAILS = 66" AVG. SPANS SHOWN ABOVE ARE CLEAR SPANS. 4" MAY BE ADDED TO EACH SPAN SHOWN.

MARK	SIZE	T1	T2	TYPE	MAX. COLUMN HEIGHTS AT GIVEN SPACINGS								
					5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"		
Box Col.	2 x 4	.100	.045	LAP	7'-11"	7'-7"	7'-2"	6'-11"	6'-8"	6'-5"	6'-3"		
Box Col.	2 x 5	.116	.050	LAP	9'-2"	8'-8"	8'-4"	8'-0"	7'-8"	7'-5"	7'-3"		
Box Col.	2 x 6	.120	.050	LAP	9'-3"	8'-10"	8'-5"	8'-1"	7'-10"	7'-7"	7'-4"		
Box Col.	2 x 7	.220	.055	LAP	12'-6"	11'-11"	11'-5"	11'-0"	10'-7"	10'-3"	9'-11"		
Box Col.	2 x 8	.224	.082	LAP	15'-9"	15'-0"	14'-4"	13'-9"	13'-3"	12'-10"	12'-5"		

NOTE: MAX SPACING OF CHAIRRAILS IS 66" SPANS SHOWN ABOVE ARE CLEAR SPANS. 4" MAY BE ADDED TO EACH SPAN SHOWN. 2X3 AND 2X4 NON-LOAD BEARING BOX COLUMNS MAY BE INCREASED AN ADDITIONAL 4" TO THE HEIGHTS SHOWN ABOVE. ALL OTHER COLUMNS TO REMAIN THE SAME.

NOTES:

- 1) ROOF AND SIDES SHALL BE COVERED WITH SCREEN CLOTH BEING 60% OPEN OR GREATER ONLY.
- 2) THE EXISTING STRUCTURE MUST BE CAPABLE OF SUPPORTING THE LOADED SCREEN ENCLOSURE.
- 3) METAL STRUCTURES WITHIN 5 FT. OF SWIMMING POOLS SHALL BE GROUNDED PR N.E.C. 680-22
- 4) ANCHORS TO CONCRETE & MASONRY SHALL BE 3/8 X 3" ANCHORS OR APPROVED EQUAL UNLESS OTHERWISE SPECIFIED.
- 5) CONSULT ENGINEER OF RECORD FOR CONDITIONS EXCEEDING THESE SPECS.

DESIGN CRITERIA: FLORIDA BUILDING CODE, 2004

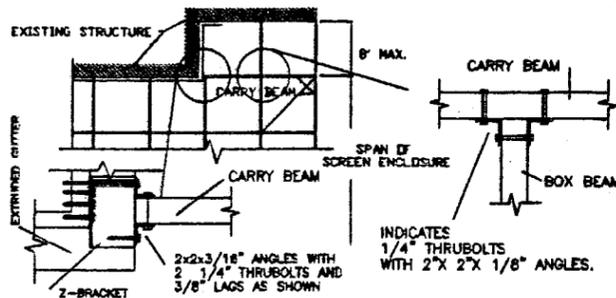
ASCE 7-02 EXPOSURE "C"

WALLS DESIGN WIND LOAD IN & OUT ----- 24.42 PSF  
 TEST LOAD WIND IN & OUT ----- 36.83 PSF  
 ROOF LIVE LOAD UP & DOWN ----- 10.0 PSF  
 TEST LOAD UP & DOWN ----- 15.0 PSF  
 DEFLECTION LIMITATION ----- L/80  
 ALUMINUM ALLOY 6063-T6 UNLESS OTHERWISE SPECIFIED.

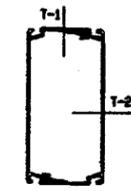
CARRY BEAM TABLE

CLEAR SPAN OF 2 X 7 CARRY BEAM	MAX SPAN OF SCREEN ENCLOSURE	CLEAR SPAN OF 2 X 8 CARRY BEAM	MAX. SPAN OF SCREEN ENCLOSURE
10'-0"	MAXIMUM	14'-0"	MAXIMUM
12'-0"	26'-5"	16'-0"	34'-5"
14'-0"	17'-4"	18'-0"	25'-6"
16'-0"	10'-9"	20'-0"	16'-9"
18'-0"	5'-2"	22'-0"	10'-7"

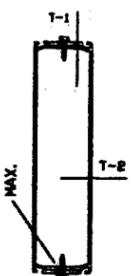
MAXIMUM SPAN SHOWN IN BEAM TABLE ABOVE.



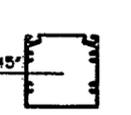
TYP. CROSS SECTIONS



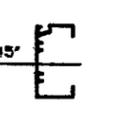
SNAP BEAM



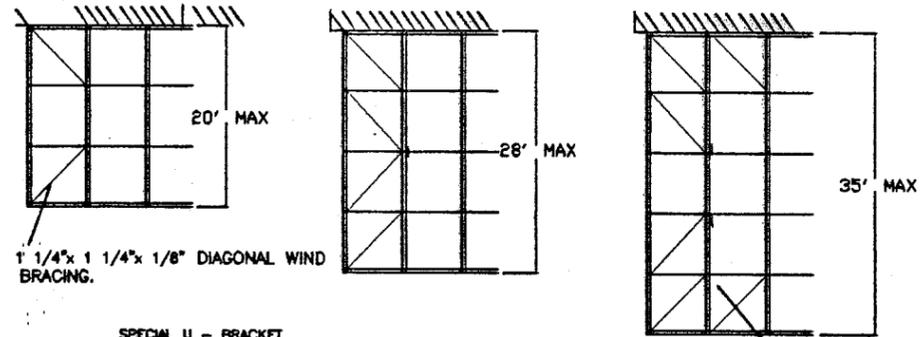
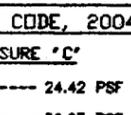
LAP-BEAM



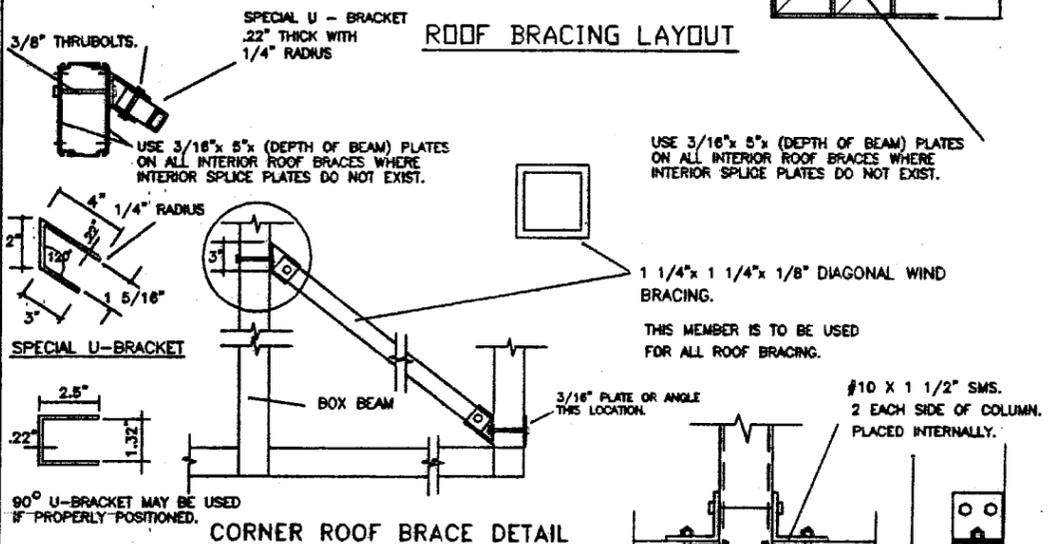
2 X 2 PURLIN



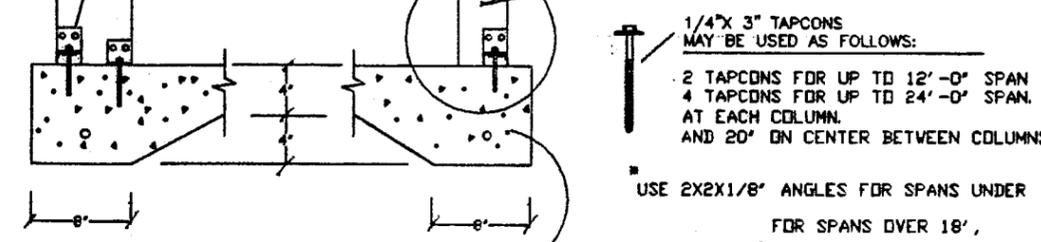
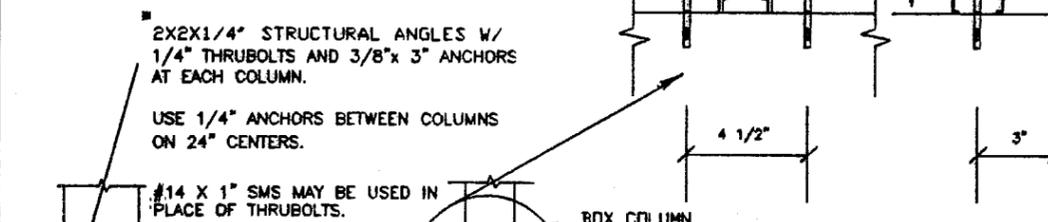
1 X 2 PATIO



ROOF BRACING LAYOUT



CORNER ROOF BRACE DETAIL



DETAIL OF ANCHORING TO FOOTING

ANCHOR BOLTS TO EXTEND 1 1/4" BEYOND CHATT. OR BRICK PAVEMENT SURFACES

NOTE: COLUMNS ALONG END WALLS REQUIRE ONE PAIR OF 2X2X1/8" ANGLES UNLESS COLUMNS ARE 2X5 OR GREATER. THEN TWO PAIR OF ANGLES ARE REQUIRED

REPRODUCTION AND APPROVAL OF THIS PLAN OR ANY PART THEREOF FOR CONSTRUCTION OR ANY OTHER USE SHALL ONLY BE DONE BY RAMMS ENGINEERING, INC.

THIS PLAN IS INVALID UNLESS SIGNED AND SEALED BY ROBERT S. MONSOUR FOR EACH PERMIT SUBMITTAL

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 05-115.03 Expiration Date 11/13/2010  
 By *Robert S. Monsour*  
 Miami Dade Product Control Division

RAMMS ENGINEERING, INC.  
*Structural Design*  
 2100 W. 79th STREET, SUITE 311  
 MIAMI, FLORIDA 33016  
 P.E. No. 11955  
 EB 0006024

Screen Enclosure Specs  
 Storm Screen  
 18795 SW 108 Avenue  
 Miami, FL

DESIGN BY:	R.S.M.
APPROVED BY:	R.S.M.
DATE:	12-31-01
SCALE:	AS SHOWN.
BY:	AFF2/SPEC
NO.:	1

REVISIONS	BY:

RAMMS ENGINEERING, INC.  
*Structural Design*  
 2100 W. 79th STREET, SUITE 311  
 MIAMI, FLORIDA 33156  
 P.E. No. 11955  
 EB 0006024

**Screen Enclosure Specs**  
**Storm Screen**  
 18795 SW 108 Avenue  
 Miami, FL

Drawn by:	R.S.M.
Approved:	R.S.M.
Date:	3-26-06
Scale:	AS SHOWN.
Project:	RAMMS 2
Sheet:	2

( 2X3, 2X4, 2X5 AND 2X6 BOX BEAMS )

USE 1/8" X 2" X 8" STRAPS WITH 6 #14 SMS TOTAL ( 3 EACH SIDE OF SPLICE ) 3" AND 4" BEAMS.

( 2X7, 2X8, 2X9 AND 2X10 BOX BEAMS )

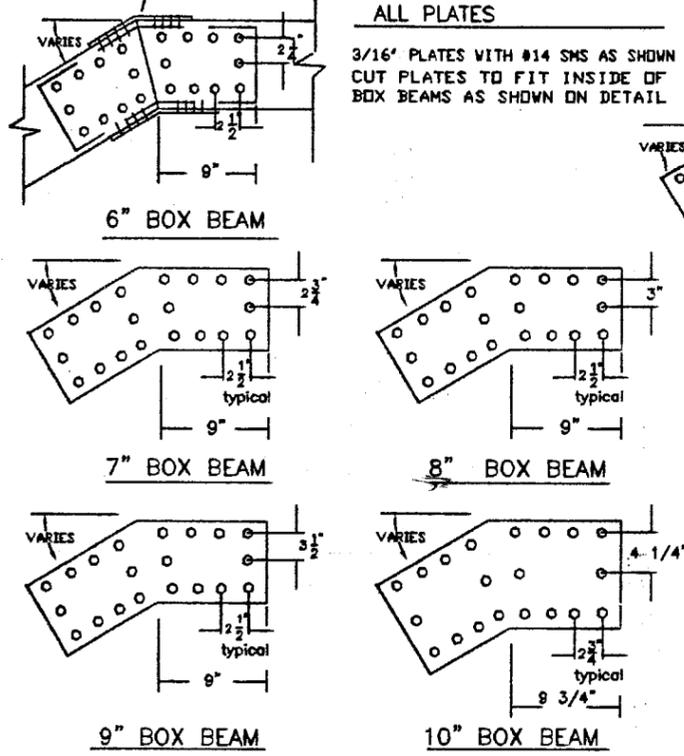
USE 1/8" X 2" X 12" STRAPS WITH 14 #14 SMS TOTAL ( 7 EACH SIDE OF SPLICE )

3/16" X 1 1/4" STRAPS MAY BE USED IN PLACE OF 2" STRAPS.

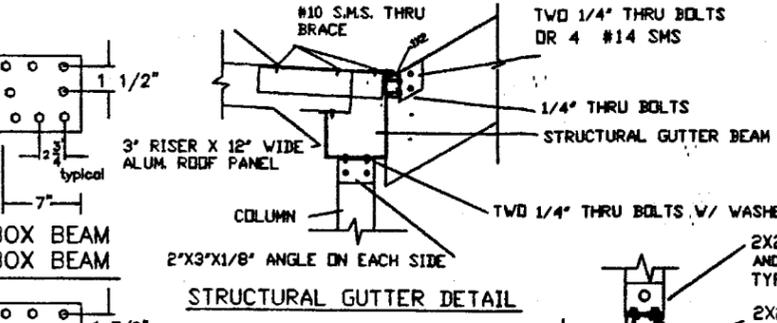
72"

**ALL PLATES**

3/16" PLATES WITH #14 SMS AS SHOWN CUT PLATES TO FIT INSIDE OF BOX BEAMS AS SHOWN ON DETAIL



1X2X3/16" ANGLE 10" LONG AT EACH SCREEN ROOF BEAM



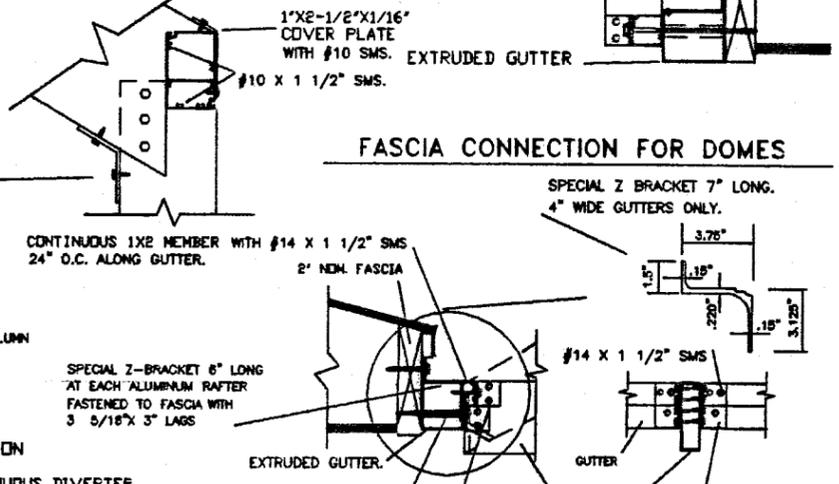
**STRUCTURAL GUTTER DETAIL**

3" X 4" X 1/8" PLATES WITH 4 #14 SMS AS SHOWN.

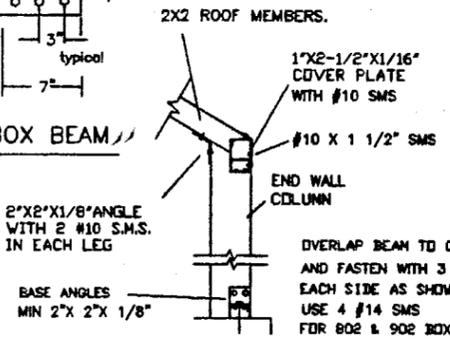
2X2 BRACE WITH 1/8" PLATES EA END WITH #14 SMS AS SHOWN.

DOUBLE 202 WITH 3/8" X 6" LAGS, 2 AT EA. COL. AND AT 24" O.C.

**FASCIA CONNECTION FOR DOMES**



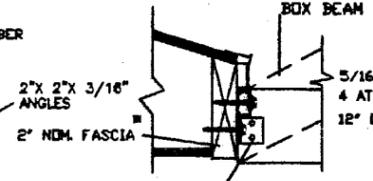
**CORNER DETAIL**



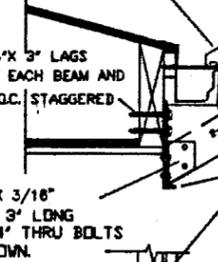
**END-WALL POST DETAIL**

SPECIAL Z BRACKET 7" LONG AT EACH ALUMINUM RAFTER FASTENED TO FASCIA WITH W/ 3 5/16" X 3" LAGS

**BEAM TO COLUMN CONNECTION**



**BEAM CONNECTION**

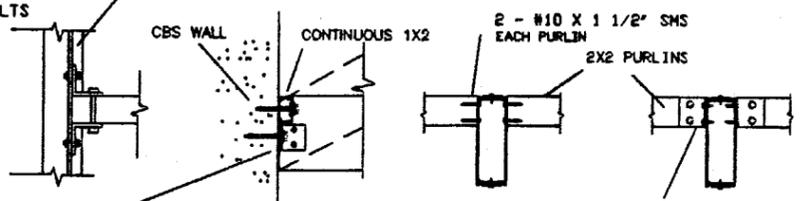


INDICATES 3/8" X 8" LAGS AT EACH BEAM COVER PLATE WITH #10 SMS.

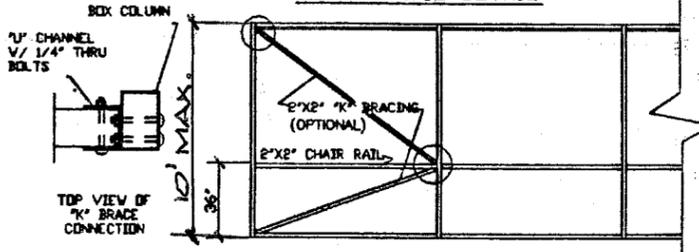
BEAM CONNECTION USE 2" X 2" X 3/16" ANGLES WITH 3/8" LAGS TO FASCIA AND 1/4" THRU BOLTS TO BEAM.

MAX. 4" WIDE GUTTER MAY BE USED AS SHOWN ON BEAM TABLE SHEET #1 ( MAX. LOAD = 1100# )

**GUTTER BRACE DETAIL**



**MANSARD BOX BEAM SPLICE DETAIL**



**TYPICAL ELEVATION**

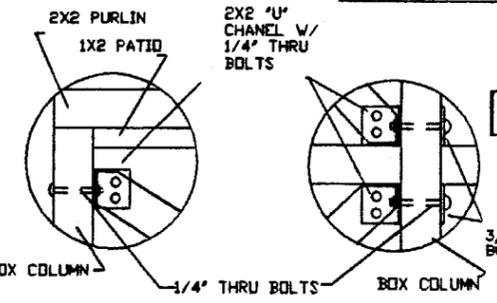
U-CHANNEL OPTIONAL 1/4" MIN. THICKNESS

1" X 3" X 3/16" ANGLE, 7" LONG WITH 3-1/4" THRU BOLTS TO COLUMN.

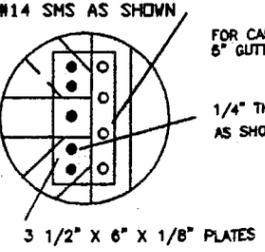
3/16" PLATES TO REINFORCE BOX COLUMN AT BRACES.

NOTE: LARGER PLATES MAY BE USED IF REQUIRED.

**K - BRACE DETAILS**

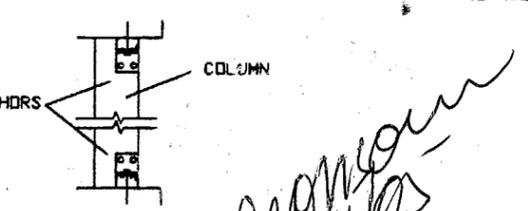


**ALTERNATE BRACE DETAILS**



3 1/2" X 6" X 1/8" PLATES

**BOX BEAM DETAILS**



**PORCH DETAILS.**

REPRODUCTION AND APPROVAL OF THIS PLAN OR ANY PART THEREOF FOR CONSTRUCTION OR ANY OTHER USE SHALL ONLY BE DONE BY RAMMS ENGINEERING, INC.

THIS PLAN IS INVALID UNLESS SIGNED AND SEALED BY ROBERT S. MONSOUR FOR EACH SUBMITTAL.

*Handwritten signature*

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 05-1115.03  
 Expiration Date 11/13/2010  
 By *Handwritten signature*  
 Miami Dade Product Control  
 Division

