MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
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/building

NOTICE OF ACCEPTANCE (NOA)

Storm Screen, Inc.
18797 S.W. 108th 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 and accepted by Miami-Dade County BNC-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. BNC 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: Aluminum Framed Screen Enclosure

APPROVAL DOCUMENT: Drawing titled "Screen Enclosures", prepared by Ramms Engineering, Inc., sheets 1 through 3 of 3, dated September 27, 2010, signed and sealed by Robert S. Monsour, P.E., on September 30, 2010, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

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. An original signed and sealed company letter from Storm Screen, Inc. is required, providing that the Screen Enclosure was purchased from them in order for this NOA to be valid on any job.

This NOA **revises & renews NOA # 05-1115.03** and consists of this page 1, evidence submitted pages E-1, E-2, and E-3 as well as approval document mentioned above.

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

MIAMI-DADE COUNTY APPROVED

Helmy A. Makar
07/28/2011

NOA No. 10-1012.05
Expiration Date: 11/13/2015
Approval Date: 07/28/2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #97-0826.04

A. DRAWINGS

Drawing Number Sheet Number	Drawing Date Latest Revision Date	Signed and Sealed By Date
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

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

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

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

Hormy A. Makar, P.E., M.S.
BNC, Product Control Unit Supervisor
NOA No. 10-1012.05
Expiration Date: 11/13/2015
Approval Date: 07/28/2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

Signature	Date
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. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #05-1115.03

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., M.S.
BNC, Product Control Unit Supervisor
NOA No. 10-1012.05
Expiration Date: 11/13/2015
Approval Date: 07/28/2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing titled "Screen Enclosures", prepared by Ramms Engineering, Inc., sheets 1 through 3 of 3, dated September 27, 2010, signed and sealed by Robert S. Monsour, P.E., on September 30, 2010.

B. TESTS

1. None.

C. CALCULATIONS

1. Calculation prepared by Ramms Engineering, Inc., dated September 30, 2010, 37 pages, signed and sealed by Robert S. Monsour, P.E.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

1. None.

Helmy A. Makar, P.E., M.S.
BNC, Product Control Unit Supervisor
NOA No. 10-1012.05
Expiration Date: 11/13/2015
Approval Date: 07/28/2011

FLORIDA BUILDING CODE, 2007 COASTAL & NON- COASTAL ZONE (ASCE 7-05 146 MPH EXP. "C") (ALLOY 6061-T6 OR 6005-T5)

FLAT SPAN BEAM SCHEDULE WITH 10.84 P.S.F DESIGN LOAD

MARK	SIZE	T-1	T-2	TYPE	MAX. BEAM SPANS AT GIVEN SPACINGS						
					5'-0"	5'-6"	6'-0"	6'-6"	7'-0"		
Box Bm.	2 X 3	.046	.046	HOLLOW	8'-11"	8'-8"	8'-5"	8'-1"	7'-10"		
Box Bm.	2 X 4	.100	.046	LAP	13'-4"	12'-11"	12'-7"	12'-3"	11'-11"		
Box Bm.	2 X 5	.116	.050	LAP	16'-6"	16'-0"	15'-7"	15'-1"	14'-9"		
Box Bm.	2 X 6	.120	.050	LAP	18'-3"	17'-5"	16'-8"	16'-0"	15'-5"		
Box Bm.	2 X 7	.220	.055	LAP	19'-10"	18'-11"	18'-1"	17'-4"	16'-9"		
Box Bm.	2 X 8	.224	.072	LAP	27'-8"	26'-9"	25'-10"	24'-10"	23'-11"		
Box Bm.	2 X 9	.306	.082	LAP	32'-9"	31'-9"	30'-10"	30'-1"	29'-3"		
Box Bm.	2 X 10	.389	.092	LAP	37'-3"	36'-2"	35'-1"	34'-2"	33'-4"		

MANSARD BEAM SCHEDULE

COMBINED LOAD OF 10.84 PSF ROOF & 20.12 P.S.F. WALL ACTING SIMULTANEOUSLY

Box Bm.	2 X 7	.12	.055	LAP	13'-0"	11'-7"	10'-2"	8'-11"	7'-7"	
Box Bm.	2 X 8	.224	.072	LAP	24'-1"	22'-6"	21'-1"	19'-11"	18'-9"	
Box Bm.	2 X 9	.306	.082	LAP	31'-4"	29'-7"	28'-0"	26'-7"	25'-4"	
Box Bm.	2 X 10	.389	.092	LAP	37'-3"	35'-4"	33'-7"	32'-0"	30'-7"	

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

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

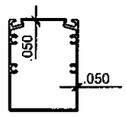
	2 X 2	.046	.046	HOLLOW	MAXIMUM SPAN = 7'- 0" CHAIRRAIL.
	2 X 3	.050	.050	HOLLOW	MAXIMUM SPAN = 7'- 0" AS PURLIN

NOTE: MAXIMUM SPACING OF PURLINS = 84". MAXIMUM AREA IN ANY PANEL = 56 SQ. FT.
MAXIMUM SPACING OF 2X2 CHAIRRAILS = 60" AVG. SPANS SHOWN ABOVE ARE CLEAR SPANS. 4" MAY ADDED TO EACH SPAN SHOWN.

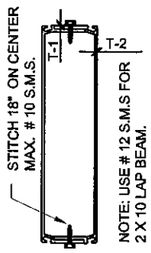
MARK	SIZE	T-1	T-2	MAX. COLUMN HEIGHTS AT GIVEN SPACINGS						
				TYPE	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	MAX BEAM SIZE
Box Col.	2 X 4	.100	.046	LAP	10'-0"	9'-6"	9'-1"	8'-9"	8'-5"	2 X 8 BEAM.
Box Col.	2 X 5	.116	.050	LAP	11'-4"	10'-10"	10'-4"	9'-11"	9'-7"	2 X 10 BEAM.
Box Col.	2 X 6	.120	.050	LAP	11'-6"	11'-10"	10'-6"	10'-1"	9'-9"	2 X 10 BEAM.
Box Col.	2 X 7	.220	.055	LAP	12'-8"	12'-1"	11'-7"	11'-1"	10'-8"	2 X 10 BEAM.
Box Col.	2 X 8	.224	.082	LAP	19'-4"	18'-5"	17'-8"	16'-11"	16'-4"	2 X 10 BEAM.

*** 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.

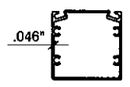
TYP. CROSS SECTIONS



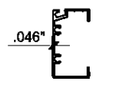
2 X 3 X .050"
PURLIN / CORNER COLUMNS.



LAP-BEAM



2 X 2 CHAIRRAIL



1 X 2 PATIO
+/- .005 TOTAL.

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.

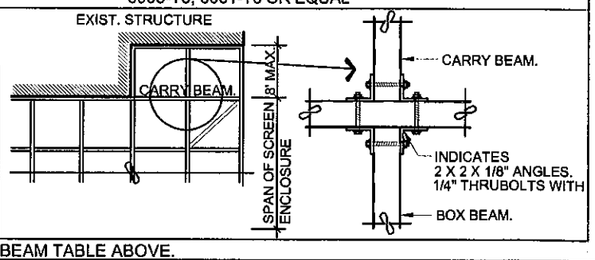
DESIGN CRITERIA: FLORIDA BUILDING CODE, 2007
ASCE 7-05 EXPOSURE "C"
WALLS: DESIGN WIND LOAD IN & OUT ---------- 20.12 P.S.F.
TEST LOAD WIND IN & OUT ---------- 30.18 P.S.F.
ROOF: LIVE LOAD UP & DOWN ---------- 10.84 P.S.F.
TEST LOAD UP & DOWN ---------- 16.26 P.S.F.
DEFLECTION LIMITATION: ---------- L/80

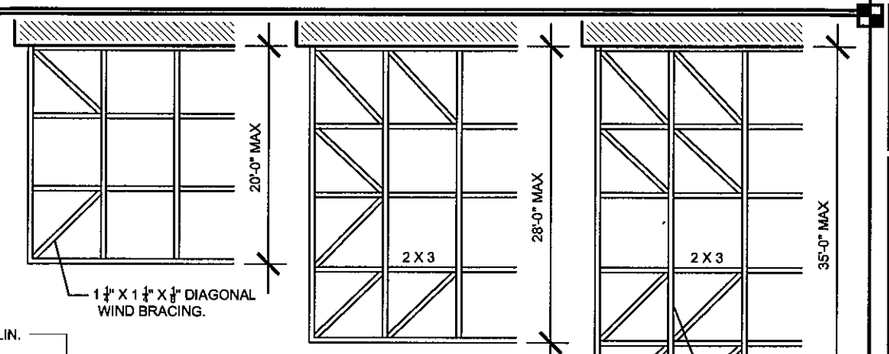
ALUMINUM ALLOY 6061-T6 UNLESS OTHERWISE SPECIFIED.
6005-T5, 6061-T6 OR EQUAL

CARRY BEAM TABLE

CLEAR SPAN OF 2 X 6 CARRY BM.	MAX SPAN OF SCREEN ENCLOSURE	CLEAR SPAN OF 2 X 7 CARRY BM.	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"

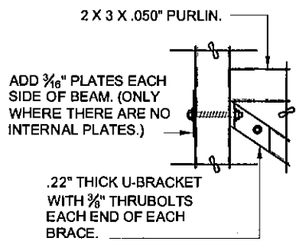
*MAXIMUM SPAN SHOWN IN BEAM TABLE ABOVE.

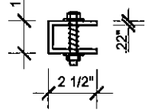




ROOF BRACING LAYOUT

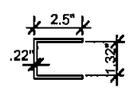
USE 3/16" X 5 X (DEPTH OF BEAM) PLATES ON ALL INTERIOR ROOF BRACES WHERE INTERIOR SPLICE PLATES DO NOT EXSIT.



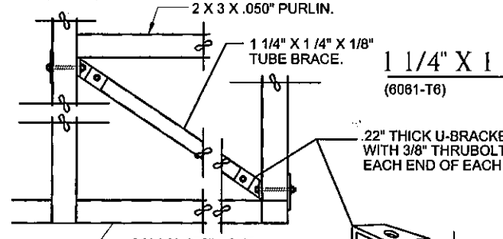


1 1/4" X 1 1/4" X 1/8" BRACE.
(6061-T6)

ROOF BRACE DETAIL

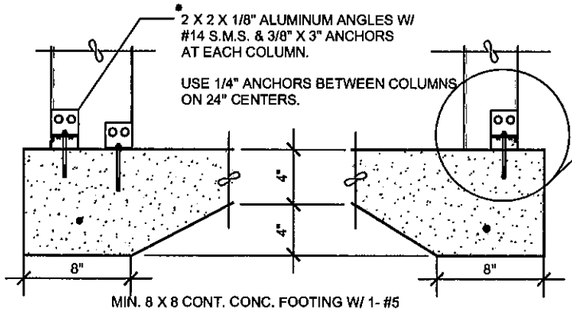


90° U-BRACKET MAY BE USED IF PROPERLY POSITIONED.



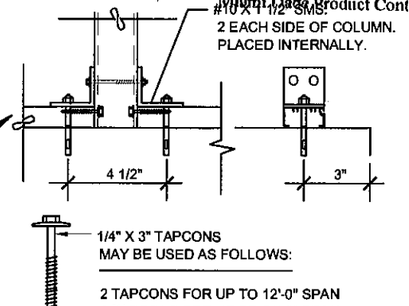
TYP. ROOF BRACE DETAIL

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 10-1012.05
Expiration Date 11/13/2015
By Miami Dade Product Control



MIN. 8 X 8 CONT. CONC. FOOTING W/ 1- #5
BASED ON SOIL BEARING CAPACITY = 2000 PSF

DETAIL OF ANCHORING TO FOOTING



1/4" X 3" TAPCONS MAY BE USED AS FOLLOWS:

2 TAPCONS FOR UP TO 12'-0" SPAN
4 TAPCONS FOR UP TO 24'-0" SPAN.
AT EACH COLUMN.
AND 20" ON CENTER BETWEEN COLUMNS.

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.

FOR SPANS OVER 18',
4 - 2 X 2 X1/8" BASE ANGLES
MAY BE USED AS SHOWN
IN PLACE OF 2 - 1/4" ANGLES
ON COLUMNS SUPPORTING BEAMS.

WHEN USING 4 ANGLES, 1/4"X 3" ANCHORS MAY BE USED.

WHEN USING 4 ANGLES, 1/4"X 3" ANCHORS MAY BE USED.

REVISIONS

RAMMS ENGINEERING, INC.
Structural Design
2100 W. 76th STREET, SUITE 311
HIALEAH, FLORIDA 33016
Robert S. Monsour
PH: 305-822-3141
EB 0006024
Lic. # 11955

SCREEN ENCLOSURES
STORM SCREEN PH: (305)253-6423
18797 SW 108 AVE. MIAMI, FLORIDA

ALUMINUM ALLOY 6005-T5 OR 6061-T6

DRAWN BY: JUAN JARA
DATE: 9-27-10
SCALE:
JOB No:
SHEET 1
OF: 3

(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)

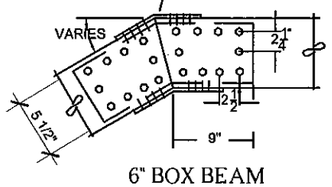
(2X7, 2X8, 2X9 AND 2X10 BOX BEAMS)

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

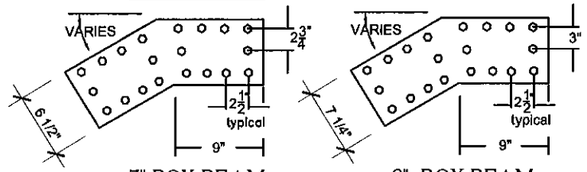
3/16" X 1 1/4" STRAPS MAY BE USED IN PLACE OF 2 " STRAPS.

72" (MAX)

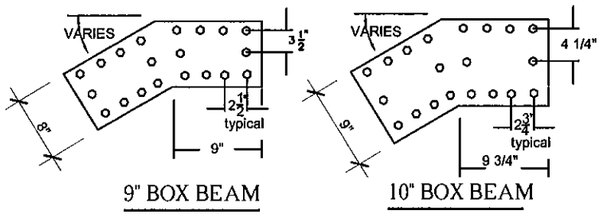
ALL PLATES
3/16" PLATES WITH #14 SMS AS SHOWN
CUT PLATES TO FIT INSIDE OF BOX BEAMS AS SHOWN ON DETAIL



6" BOX BEAM

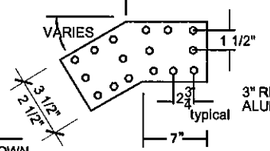


7" BOX BEAM 8" BOX BEAM

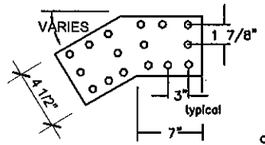


9" BOX BEAM 10" BOX BEAM

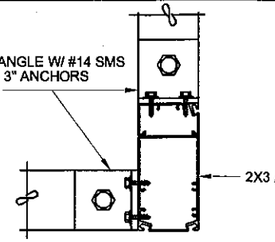
60" MAX.
3" AND 4" BEAMS.



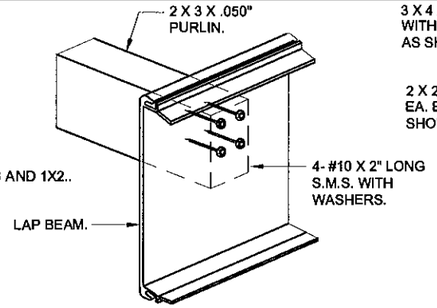
4" BOX BEAM
3" BOX BEAM



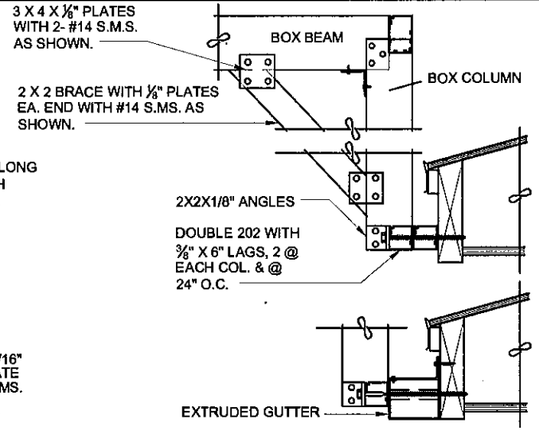
5" BOX BEAM



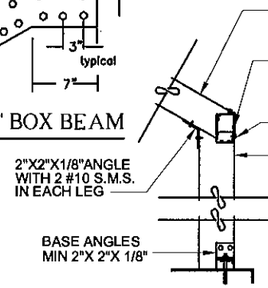
CORNER DETAIL



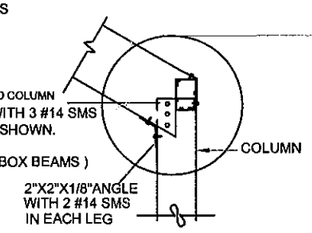
PURLIN TO BEAM DETAIL.



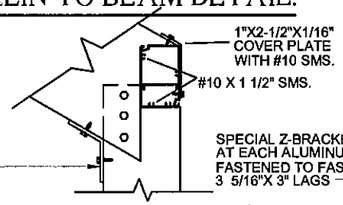
FASCIA CONNECTION FOR DOMES

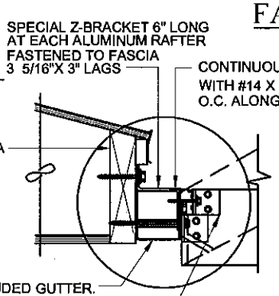


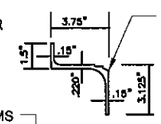
END WALL POST DETAIL



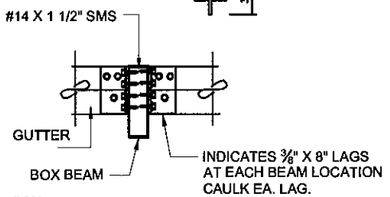
BEAM TO COLUMN CONNECTION







SPECIAL Z BRACKET 7" LONG.
4" WIDE GUTTERS ONLY.

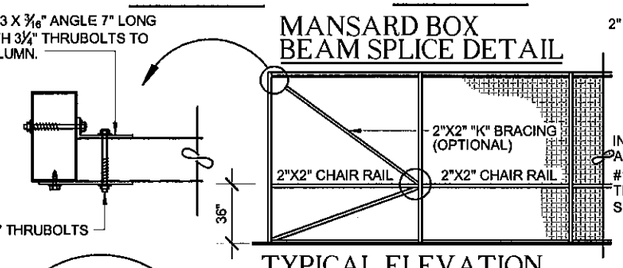


INDICATES 3/8"X 6" LAGS
AT EACH BEAM
COVER PLATE WITH
#10 SMS.

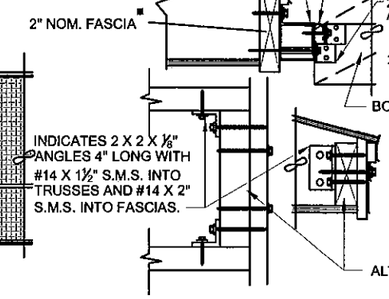
BEAM CONNECTION
USE 2"x 2"x 3/16" ANGLES
WITH 3/8" LAGS TO FASCIA
AND 1/4" THRUBOLTS TO BEAM.

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

GUTTER BRACE DETAIL

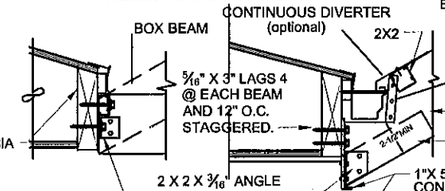


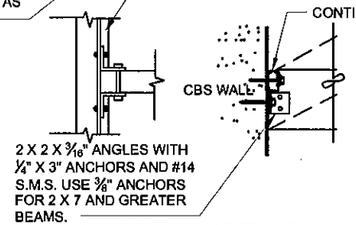
MANSARD BOX
BEAM SPLICE DETAIL
TYPICAL ELEVATION



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

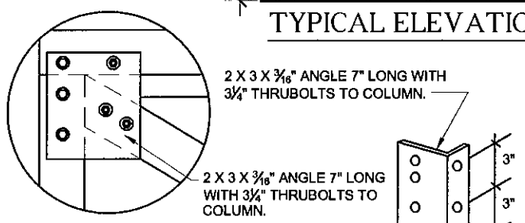
#14 SMS MAY BE USED IN PLACE OF
1/4" THRUBOLTS





BOX BEAM DETAILS

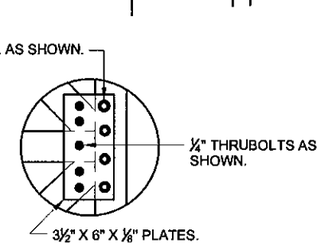
INSPECTION:
AN ORIGINAL SIGNED AND SEALED LETTER FROM STORM SCREEN PERMITTING THE USE OF THIS NOA. ALONG WITH A COPY OF THE ENTIRE NOA MUST BE AVAILABLE FOR INSPECTION AT THE JOB SITE.

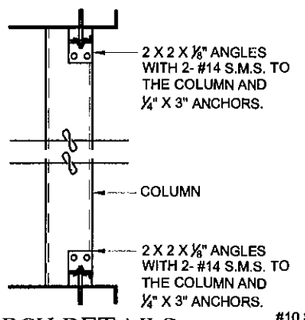


VIEW OF "K" BRACE CONNECTION.

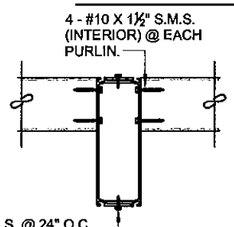
NOTE: LARGER PLATES MAY BE USED IF REQUIRED.

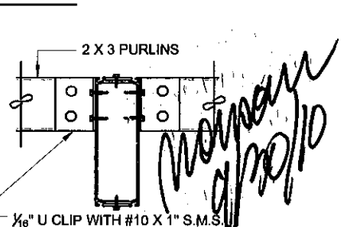
K- BRACE DETAILS





PORCH DETAILS.





PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 10-1012.05
Expiration Date 11/13/2015
By
Miami Dade Product Control

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.

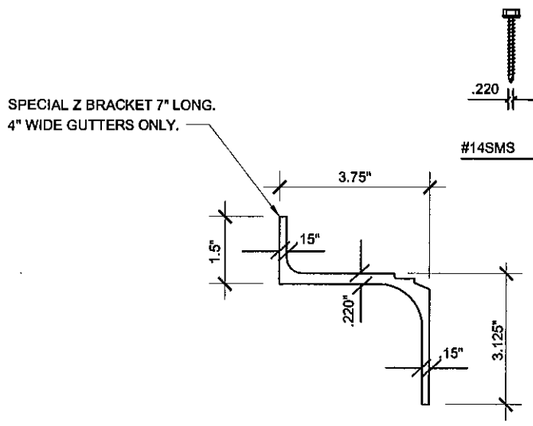
REVISIONS

RAMMS ENGINEERING, INC.
Structural Design
2100 W. 76th STREET, SUITE 311
HIALEAH, FLORIDA 33016
Robert S. Monsour
PH: 305-822-3141
EB 0006024
Lic. # 11955

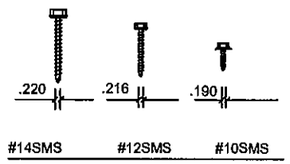
SCREEN ENCLOSURES
STORM SCREEN PH: (305)253-6423
18797 SW 108 AVE. MIAMI, FLORIDA

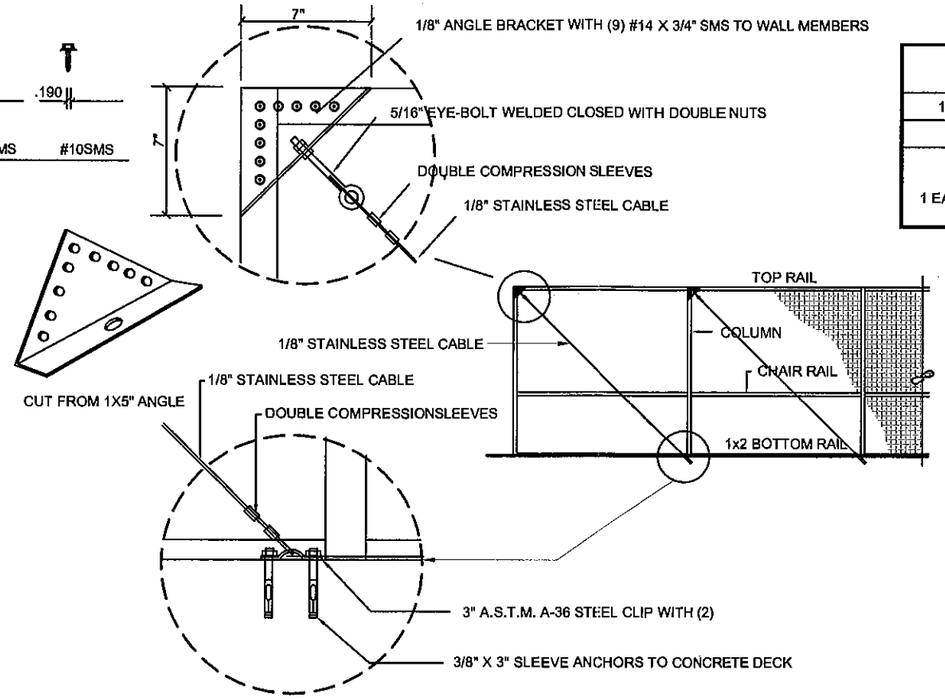
ALUMINUM ALLOY 6005-T5 OR 6061-T6

DRAWN BY: JUAN JARA
DATE: 9-27-10
SCALE:
JOB No:
SHEET 2
OF: 3



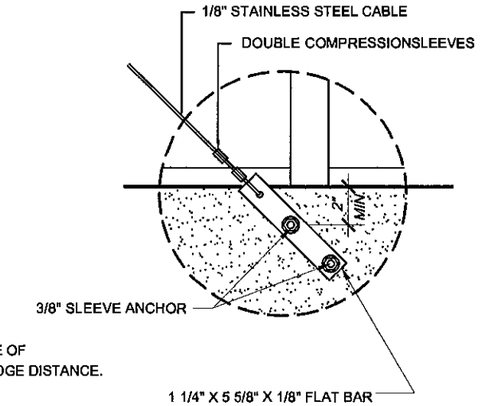
4" Z-BRACKET

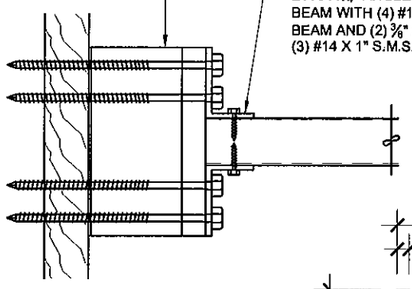


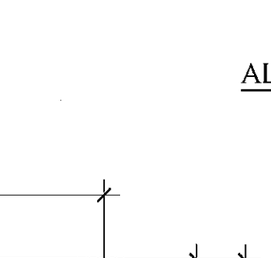


END NON LOAD BEARING WALL SQUARE FOOTAGE				
1-145	146-273	274-363	364-416	417-443
TOTAL NUMBER OF CABLES ON THE FRONT LOAD BEARING WALL				
2 1 EA. END	4 2 EA. END	6 3 EA. END	8 4 EA. END	10 5 EA. END

QUANTITIES ABOVE ARE FOR 3 SIDED ENCLOSURES.
REFER TO ENGINEER'S SITE SPECIFIC PLAN FOR OTHER CONDITIONS.
USE ONE SET OF CABLES ON RETURN WALLS
FOR SPANS OVER 16 FEET.

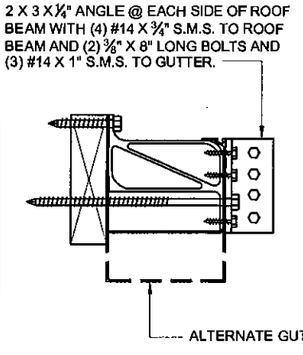


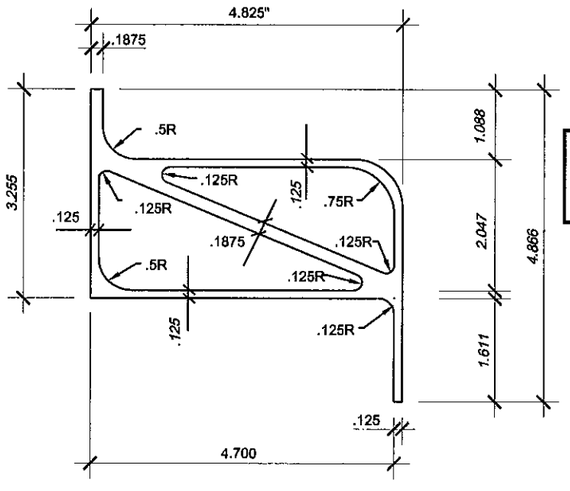


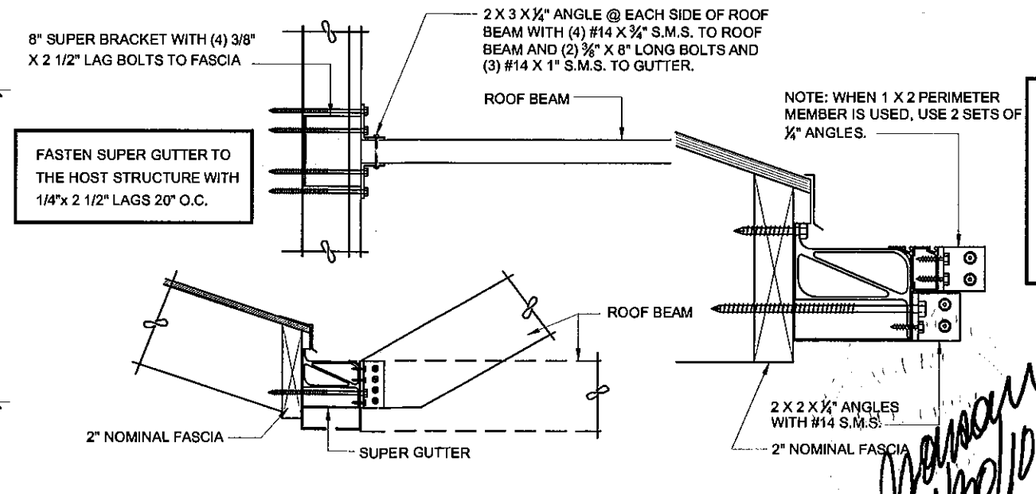


ALTERNATE

CABLE BRACING DETAIL







5" GUTTER BRACKET DETAILS.

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