



**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**

NOTICE OF ACCEPTANCE (NOA)

**Climatrol Quality Aluminum Products, Inc.
890 W. 84th Street
Hialeah, Florida 33014**

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 Enclosures

APPROVAL DOCUMENT: Drawing No. 1071, titled " Screen Enclosure Specs ", sheets 1 through 3 of 3, prepared by Ramms Engineering, Inc., signed and sealed by Robert S. Monsour, P.E. on April 01, 2005, 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 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 NOA # 00-0913.04 and consists of this page 1, evidence submitted page(s) as well as approval document mentioned above.

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



Helmy A. Makar
05/12/2005

**NOA No 05-0408.01
Expiration Date: 12/11/2005
Approval Date: 05/12/2005
Page 1**

Climatrol Quality Aluminum Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #97-0731.16
A. DRAWINGS

Drawing Number Sheet Number	Drawing Date Latest Revision Date	Signed and Sealed By Date
1071 Sheet 1 of 3	July 2, 1994 Revised: June 12, 1995	Robert S. Monsour, P.E. June 12, 1995
1071 Sheet 2 of 3	July 2, 1994 Revised: June 12, 1995	Robert S. Monsour, P.E. June 12, 1995
1071 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 95019
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)	May 1, 1995

Test Laboratory	Construction Testing Corporation
Test Number	CTC 95013
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)	May 1, 1995

Test Laboratory	Construction Testing Corporation
Test Number	CTC 94011
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 15, 1994



Helmy A. Makar, P. E.
Product Control Examiner
NOA No 05-0408.01
Expiration Date: 12/11/2005
Approval Date: 05/12/2005

Climatrol Quality Aluminum Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

Signature	Date
Robert S. Monsour, P.E.	April 18, 1994
	April 21, 1994
	October 6, 1994
	June 12, 1995

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #00-0913.04

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. MATERIAL CERTIFICATIONS

1. None.

E. STATEMENTS

1. Affidavit by Climatrol Quality Aluminum Products, Inc., dated 08/18/2000, requesting renewal of NOA No. 97-0731.16 and stating that the product has not changed.
2. Letter prepared by Ramms Engineering, Inc., dated August 17, 2000, signed and sealed by Robert S. Monsour, P.E., stating that he is still in the engineering business.

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. 1071, titled " Screen Enclosure Specs ", sheets 1 through 3 of 3, prepared by Ramms Engineering, Inc., signed and sealed by Robert S. Monsour, P.E. on April 01, 2005

B. TESTS

1. None.



Helmy A. Makar, P. E.
Product Control Examiner
NOA No 05-0408.01
Expiration Date: 12/11/2005
Approval Date: 05/12/2005

Climatrol Quality Aluminum Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

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

D. QUALITY ASSURANCE

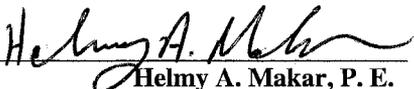
1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. STATEMENTS

1. *Letter prepared by Ramms Engineering, Inc., dated April 4, 2005, signed and sealed by Robert S. Monsour, P.E., stating that he is still in the engineering business.*



Helmy A. Makar, P. E.
Product Control Examiner
NOA No 05-0408.01
Expiration Date: 12/11/2005
Approval Date: 05/12/2005

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

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"	19'-2"	18'-5"	17'-10"	17'-3"	
Box Bm.	2 x 8	.224	.072	LAP	26'-5"	25'-2"	24'-1"	23'-2"	22'-3"	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	.092	LAP	38'-5"	36'-9"	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 SIMULTANEDUSLY

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"	16'-8"	15'-2"	13'-9"	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	.092	LAP	38'-5"	36'-9"	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'-3"

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.

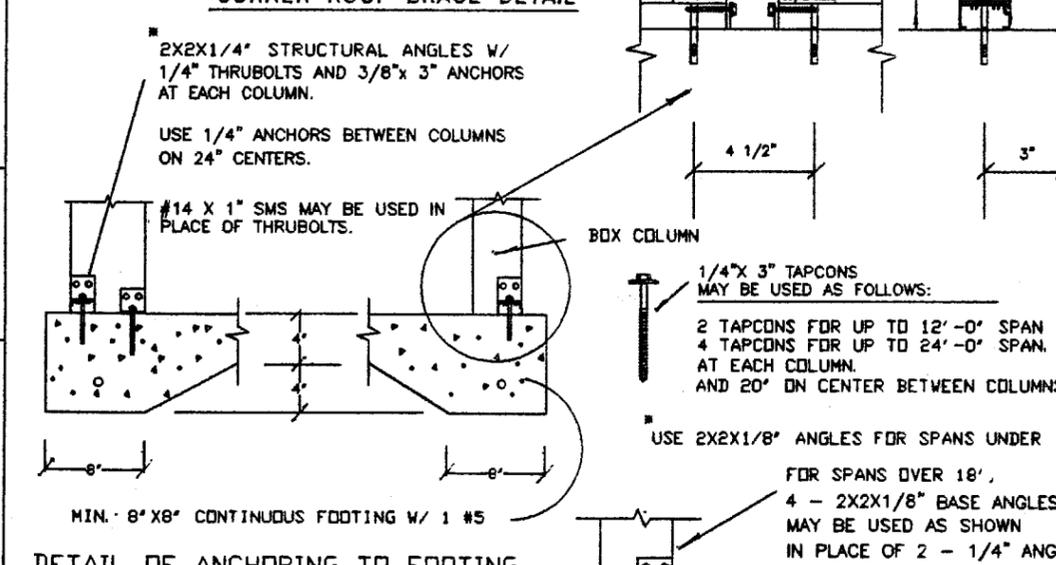
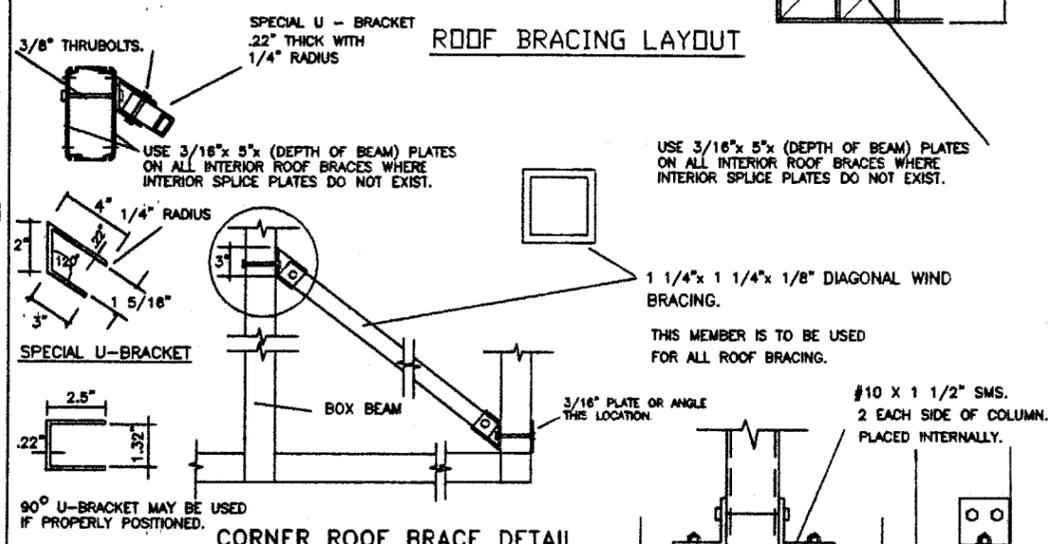
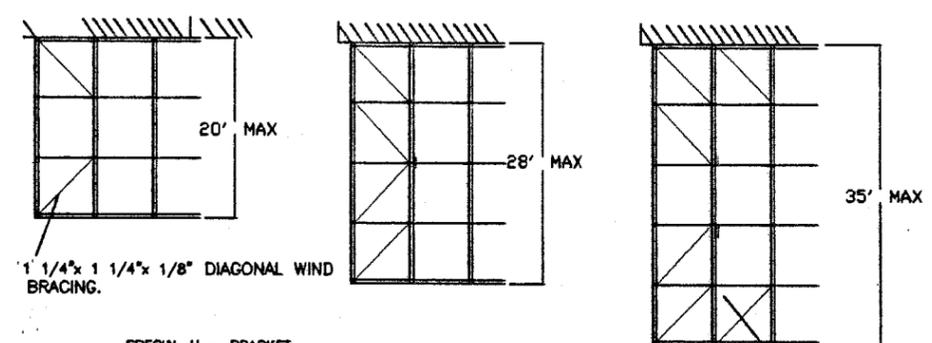
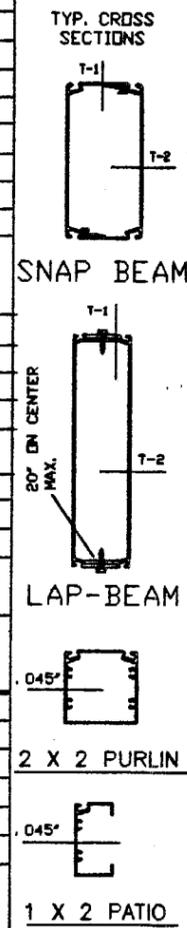
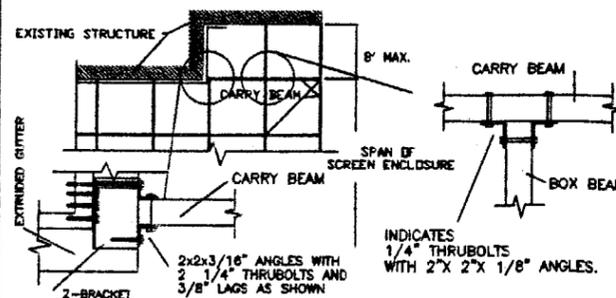
DESIGN CRITERIA: FLORIDA BUILDING CODE, 2004

ASCE 7-02 EXPOSURE "C"	
WALLS DESIGN WIND LOAD IN & OUT	24.42 PSF
TEST LOAD WIND IN & OUT	36.63 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.



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.

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

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 05-0408.01 Expiration Date 12/11/2005

By Helmut A. Mohr Miami Dade Product Control Division

REVISIONS	BY:

RAMMS ENGINEERING, INC.
Structural Design
2100 W. 76th STREET, SUITE 311
MIAMI, FLORIDA 33016
P.E. No. 11955
EB 0006024

Screen Enclosure Specs
Climatrol Quality Aluminum Products
890 W 84 Street
Hialeah, FL

DESIGNED BY	R.S.M.
APPROVED BY	R.S.M.
DATE	12-31-01
SCALE	AS SHOWN
PROJECT	AFF2/SPEC
NO.	1071
	1

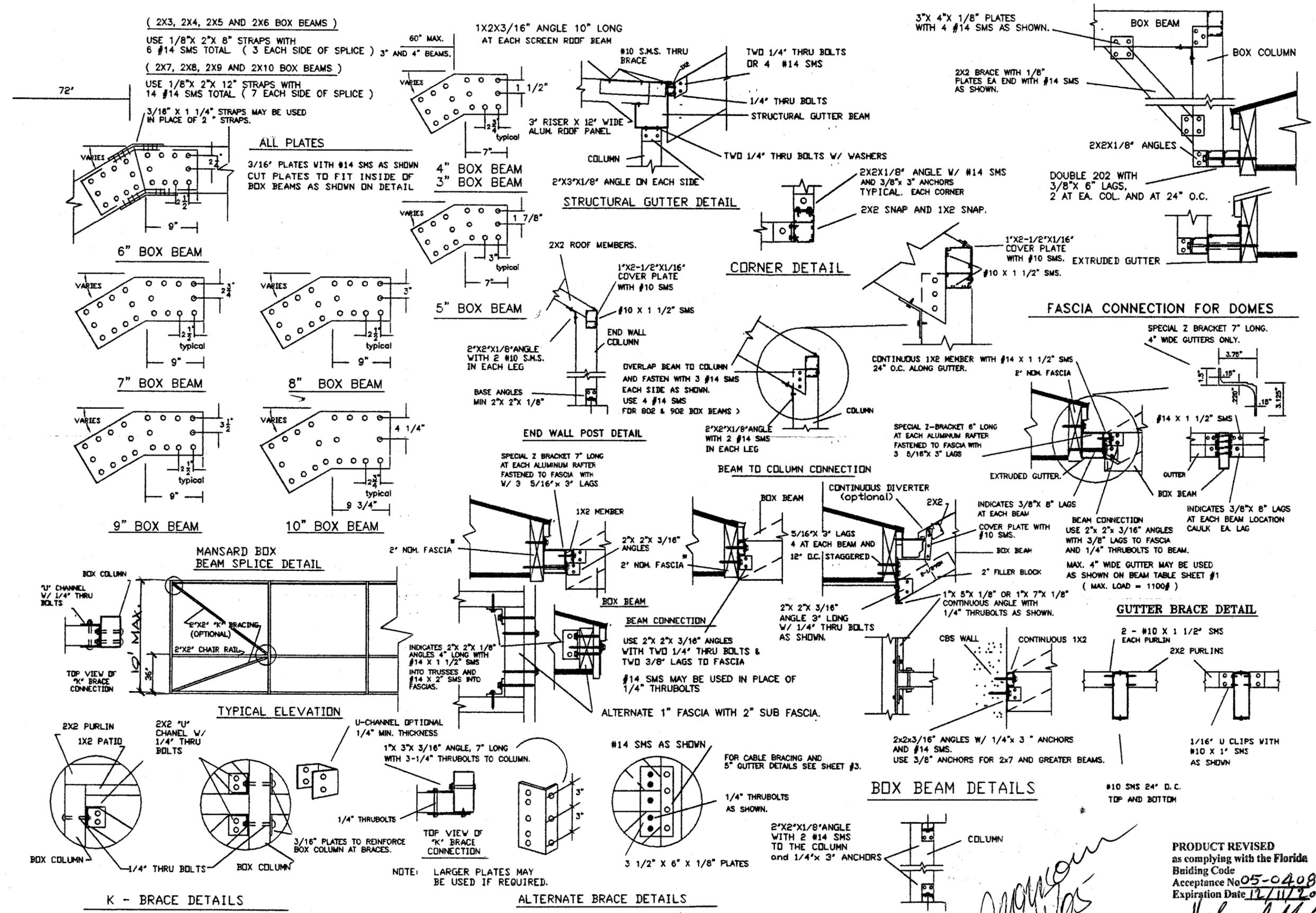
REVISIONS	BY:

RAMMS ENGINEERING, INC.
Structural Design
 2100 W. 76th STREET, SUITE 311
 MIAMI, FLORIDA 33016
 P.E. No. 11955
 EB 0006024

Screen Enclosure Specs
 Climatrol Quality Aluminum Products
 890 W 84 Street
 Hialeah, FL

DRAWN BY:
 R.S.M.
 CHECKED BY:
 R.S.M.
 DATE:
 3-28-06
 SCALE:
 AS SHOWN.
 NO. OF SHEETS:
 2 OF 2
 RAMMS 2

1071
2



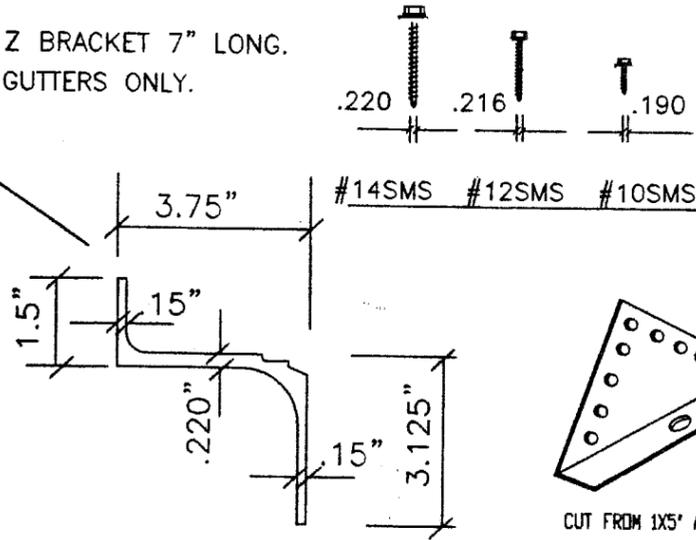
REPRODUCTION AND APPROVAL OF THIS PLAN OR ANY PART THEREOF FOR CONSTRUCTION OR ANY OTHER USE SHALL ONLY BE DONE BY RAMMS ENGINEERING, INC.

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

Robert S. Monsour

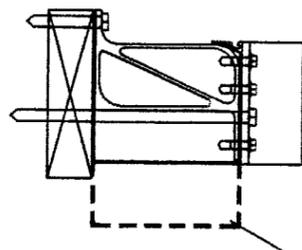
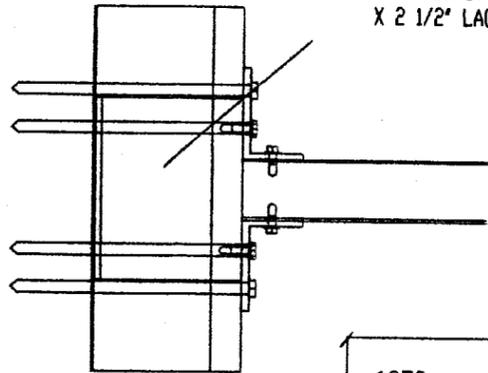
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-0408.01
 Expiration Date 12/11/2005
 By: *Heather A. Mohr*
 Miami Dade Product Control
 Division

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

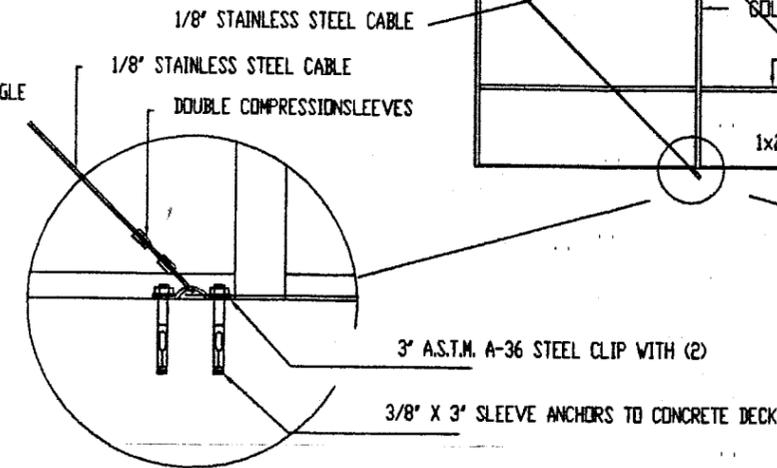
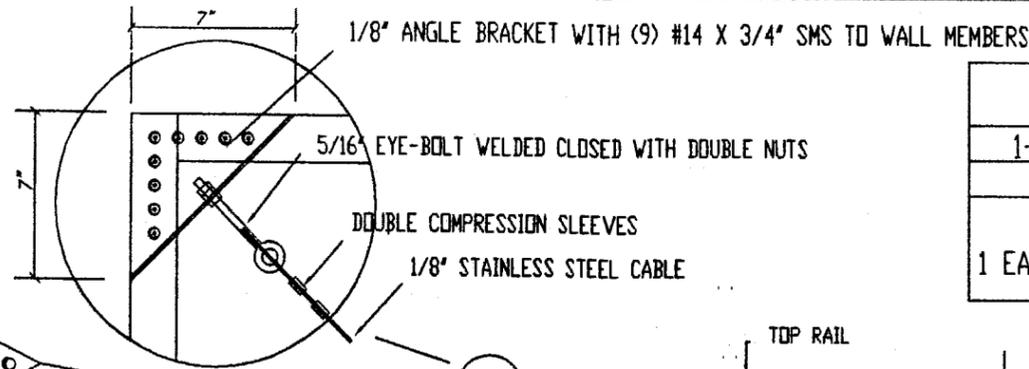
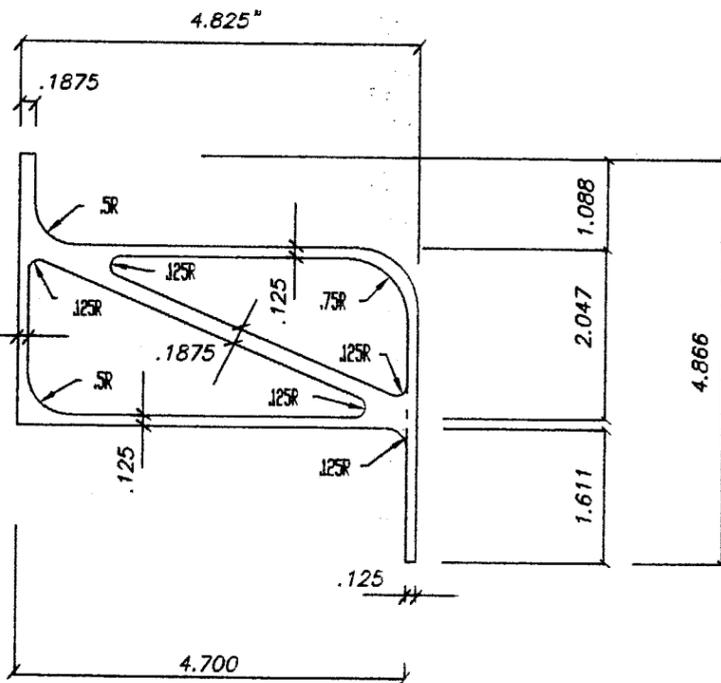


4" Z-BRACKET

6" SUPER BRACKET WITH (4) 3/8" X 2 1/2" LAG BOLTS TO FASCIA



ALTERNATE GUTTER SIZE.



ALTERNATE

CABLE BRACING DETAIL

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	4	6	8	10
1 EA. END	2 EA. END	3 EA. END	4 EA. END	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.

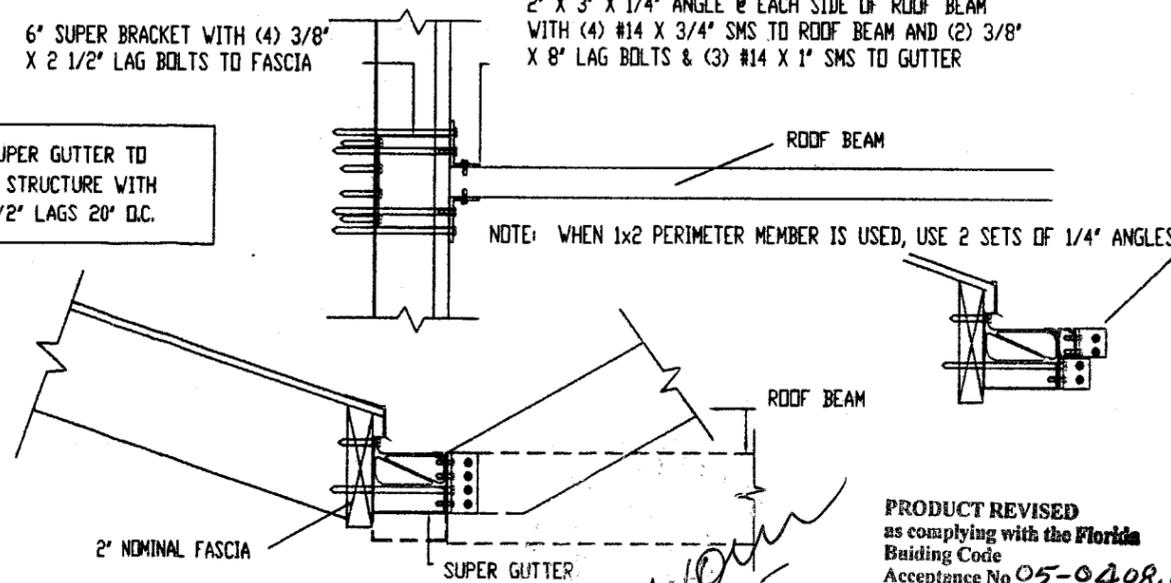
THIS CLIP MAY ALSO BE USED ON SIDE OF CONCRETE SLAB. MAINTAIN 2" MIN. EDGE DISTANCE.

6" SUPER BRACKET WITH (4) 3/8" X 2 1/2" LAG BOLTS TO FASCIA

FASTEN SUPER GUTTER TO THE HOST STRUCTURE WITH 1/4" X 2 1/2" LAGS 20" O.C.

2" X 3" X 1/4" ANGLE @ EACH SIDE OF ROOF BEAM WITH (4) #14 X 3/4" SMS TO ROOF BEAM AND (2) 3/8" X 8" LAG BOLTS & (3) #14 X 1" SMS TO GUTTER

NOTE: WHEN 1x2 PERIMETER MEMBER IS USED, USE 2 SETS OF 1/4" ANGLES.



5" GUTTER BRACKET DETAIL

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 05-0408.01
Expiration Date 12/11/2005
By Helmut Adler
Miami Dade Product Control Division

REVISIONS	BY

RAMMS ENGINEERING, INC.
Structural Design
2100 W. 78th STREET, SUITE 311
HIALEAH, FLORIDA 33016
EB 0008024

Screen Enclosure Specs
Climatrol Quality Aluminum Products
890 W 84 Street
Hialeah, FL

MONSOUR
RSM
JUNE 6, 1995
SHOWN
10/11
3
3