MIAMI-DADE

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)

A. E. Mason Ltd., Corp.
6368 N.W. 82nd Avenue
Miami, Florida 33166

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. 3101, titled "Coastal & Non-Coastal Zone ASCE 7-98 146 MPH ", sheets 1 through 3 of 3, prepared by Ramms Engineering, Inc., dated June 6, 1995, signed & sealed by Robert S. Monsour, P.E. on March 01, 2004, 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 & renews NOA # 00-0822.04 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
04/01/04

NOA No 04-0114.01
Expiration Date: 01/29/2009
Approval Date: 04/01/2004

A. E. Mason Ltd., Corp.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #97-1208.03

A. DRAWINGS

Drawing Number Sheet Number	Drawing Date Latest Revision Date	Signed and Sealed By Date
3101 Sheet 1 of 3	December 14, 1994 Revised: June 12, 1995	Robert S. Monsour, P.E. June 12, 1995
3101 Sheet 2 of 3	December 14, 1994 Revised: June 12, 1995	Robert S. Monsour, P.E. June 12, 1995
3101 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

Helmy A. Makar

Helmy A. Makar, P. E.
Product Control Examiner
NOA No 04-0114.01
Expiration Date: 01/29/2009
Approval Date: 04/01/2004

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.	September 12, 1994
Robert S. Monsour, P.E.	October 6, 1994
Robert S. Monsour, P.E.	December 14, 1994
Robert S. Monsour, P.E.	June 12, 1995

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #00-0822.04

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. MATERIAL CERTIFICATIONS

1. None.

E. STATEMENTS

1. *Letter dated 08/15/2000, requesting renewal of NOA No. 97-1208.03 and stating that the product has not changed, prepared by AE Mason Ltd., Corp.*
2. *Letter prepared by Ramms Engineering, Inc., dated August 15, 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. 3101, titled "Coastal & Non-Coastal Zone ASCE 7-98 146 MPH " , sheets 1 through 3 of 3, prepared by Ramms Engineering, Inc., dated June 6, 1995, signed & sealed by Robert S. Monsour, P.E. on March 01, 2004*

Helmy A. Makar, P. E.
Product Control Examiner
NOA No 04-0114.01
Expiration Date: 01/29/2009
Approval Date: 04/01/2004

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS

1. None.

C. CALCULATIONS

1. Calculation prepared by Ramms Engineering, Inc., dated February 28, 2004, 20 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 04-0114.01
Expiration Date: 01/29/2009
Approval Date: 04/01/2004

COASTAL & NON-COASTAL ZONE ASCE 7-98 146 MPH

BEAM AND COLUMN SCHEDULE

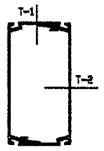
MARK	SIZE	T1	T2	TYPE	MAX. BEAM SPANS AT GIVEN SPACINGS						
					5'-0"	5'-6"	6'-0"	8'-8"	7'-0"	7'-6"	8'-0"
Box Bm.	2 x 2	.055	.055	HOLLOW	6'-11"	6'-9"	6'-7"	8'-4"	8'-3"	6'-1"	5'-11"
Box Bm.	2 X 3	.055	.055	SNAP	9'-7"	9'-3"	9'-0"	8'-9"	8'-7"	8'-4"	8'-2"
Box Bm.	2 X 4	.062	.062	SNAP	12'-6"	12'-2"	11'-9"	11'-5"	11'-2"	10'-11"	10'-8"
Box Bm.	2 X 4	.120	.055	LAP	14'-3"	13'-9"	13'-4"	13'-0"	12'-8"	12'-5"	12'-2"
Box Bm.	2 X 5	.062	.062	SNAP	15'- 1"	14'-7"	14'-2"	13'-9"	13'-5"	13'-2"	12'-10"
Box Bm.	2 X 6	.120	.062	SNAP	19'-11"	19'-4"	18'-9"	18'-3"	17'-10"	17'-5"	17'-1"
Box Bm.	2 X 6	.14	.062	LAP	20'-4"	19'-9"	19'-2"	18'-8"	18'-2"	17'-9"	17'-5"
Box Bm.	2 X 7	.130	.068	SNAP	22'-11"	22'-3"	21'-7"	21'-0"	20'-6"	20'-1"	19'-7"
Box Bm.	2 X 7	.130	.055	LAP	21'-7"	20'-7"	19'-9"	18'-11"	18'-3"	17'-8"	17'-1"
Box Bm.	2 X 7	.280	.070	LAP	27'-1"	26'-3"	25'-5"	24'-9"	24'-2"	23'-7"	23'-2"
Box Bm.	2 X 8	.224	.072	LAP	28'-8"	27'-9"	26'-11"	26'-3"	25'-7"	25'-0"	24'-6"
Box Bm.	2 X 8	.224	.082	LAP	29'-0"	28'-2"	27'-3"	26'-7"	25'-11"	25'-4"	24'-10"
Box Bm.	2 X 9	.224	.072	LAP	31'-5	30'-5"	29'-3"	28'-1"	27'-1"	26'-2"	25'-4"
Box Bm.	2 X 9	.320	.082	LAP	34'-3"	33'-3"	32'-3"	31'-5"	30'-8"	30'-0"	29'-4"
Box Bm.	2 x 10	.360	.092	LAP	38'-7"	37'-4"	36'-4"	35'-4"	34'-6"	33'-8"	33'-0"
PURLIN TABLE		HEAVY LINE INDICATES MAXIMUM SPAN FOR 4" GUTTER "Z" BRACKET.			NO LIMIT TO 5" GUTTER BRACKET.						
	2 X 2	.055	.055	HOLLOW	MAXIMUM SPAN = 7'- 0" AS PURLIN AND CHAIRRAIL						
	2 X 3	.055	.055	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 = 60" AVG.
MAXIMUM SPACING OF 3X2 CHAIRRAILS = 72" AVG. SPANS SHOWN ABOVE ARE CLEAR SPANS. 4" MAY BE ADDED TO EACH SPAN SHOWN.

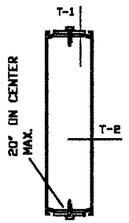
MARK	SIZE	T1	T2	TYPE	MAX. COLUMN HEIGHTS AT GIVEN SPACINGS						
					5'-0"	5'-8"	6'-0"	8'-8"	7'-0"	7'-8"	8'-0"
Box Col.	2 X 3	.055	.055	SNAP	6'-5"	6'-2"	5'-10"	5'-7"	5'-5"	5'-3"	5'-1"
Box Col.	2 X 4	.062	.062	SNAP	8'-4"	8'-0"	7'-8"	7'-4"	7'-1"	6'-10"	6'-7"
Box Col.	2 X 4	.120	.055	LAP	10'-2"	9'-9"	9'-4"	8'-11"	8'-7"	8'-4"	8'-1"
Box Col.	2 x 5	.062	.062	LAP	9'-8"	9'-3"	8'-11"	8'-6"	8'-2"	7'-11"	7'-8"
Box Col.	2 X 6	.13	.055	LAP	13'-4"	12'-8"	12'-2"	11'-8"	11'-3"	10'-10"	10'-6"
Box Col.	2 X 7	.130	.055	SNAP	13'-6"	12'-11"	12'-4"	11'-10"	11'-5"	11'-0"	10'-8"
Box Col.	2 X 7	.280	.070	LAP	20'-6"	19'-6"	18'-7"	17'-11"	17'-4"	18'-8"	16'-2"
Box Col.	2 X 8	.224	.082	LAP	21'-4"	20'-4"	19'-6"	18'-9"	18'-1"	17'-5"	16'-11"

NOTE: MAX SPACING OF CHAIRRAILS IS 78" 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 10 % TO THE HEIGHTS SHOWN ABOVE.
ALL OTHER COLUMNS TO REMAIN THE SAME.

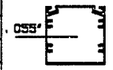
TYP. CROSS SECTIONS



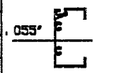
SNAP BEAM



LAP-BEAM



2 X 2 PURLIN



1 X 2 PATIO

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.

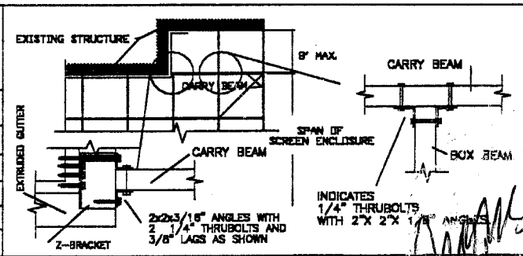
DESIGN CRITERIA: FLORIDA BUILDING CODE, 2001
ASCE 7-98 EXPOSURE "C"

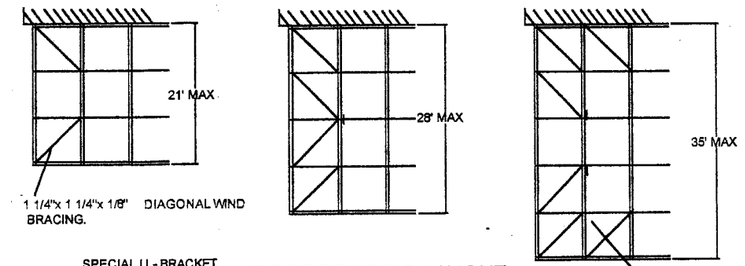
WALLS DESIGN WIND LOAD IN & OUT ---------- 24.42 PSF
TEST LOAD WIND IN & OUT ---------- 36.63 PSF
ROOF LIVE LOAD UP & DOWN ---------- 10.6 PSF
TEST LOAD UP & DOWN ---------- 15.9 PSF
DEFLECTION LIMITATION: ----------L/80
ALUMINUM ALLOY 6063-T6 UNLESS OTHERWISE SPECIFIED.

CARRY BEAM TABLE

CLEAR SPAN OF 2 X 6 CARRY BEAM	MAX SPAN OF SCREEN ENCLOSURE	CLEAR SPAN OF 2 X 7 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'-8"
16'- 0"	10'-9"	20'- 0"	18'-9"
18'- 0"	5'-2"	22'- 0"	10'-7"

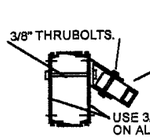
*MAXIMUM SPAN SHOWN IN BEAM TABLE ABOVE.



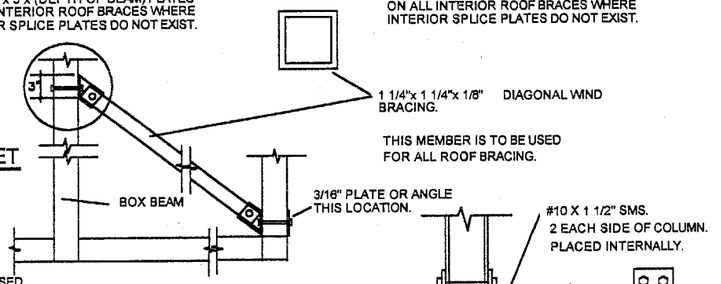


1 1/4"x 1 1/4"x 1/8" DIAGONAL WIND BRACING.

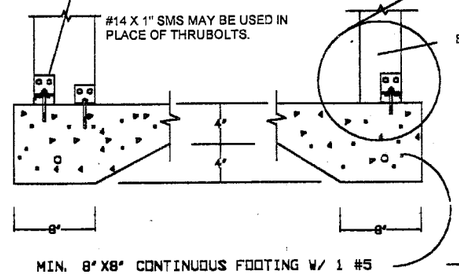
ROOF BRACING LAYOUT



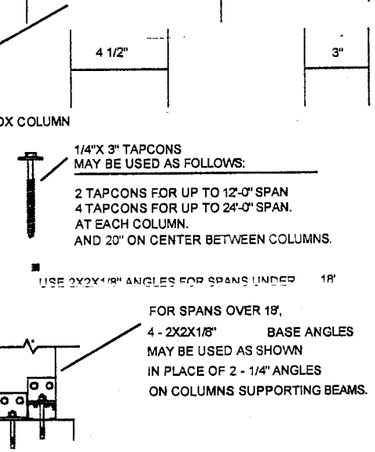
SPECIAL U-BRACKET



CORNER ROOF BRACE DETAIL



DETAIL OF ANCHORING TO FOOTING



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

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

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.

PRODUCT REVISED
as complying with the Florida Buiding Code
Acceptance No. 04-0114.01
Expiration Date 01/29/2009
By
Miami Dade Product Control Division

REVISIONS	BY
9/12/94	RM
9/30/94	RM
10/6/94	RM
8/12/95	RM
2/23/04	✓

RAMMS ENGINEERING, INC.
Structural Design
2100 W. 76th STREET, SUITE 311
HIALEAH, FLORIDA 33016
EB 0008024

Mason Ltd. Corp.
6368 N. W. 82nd AVENUE, MIAMI, FL

MONSOUR	
APPROVED	RSM
DATE	JUNE 6, 1995
SCALE	SHOWN
JOB	3107
SHEET	1

.3

REVISIONS	BY
9/12/94	RM
9/30/94	RM
10/6/94	RM
6/12/95	RM

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

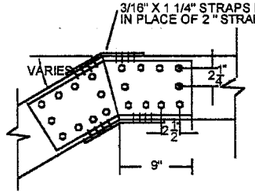
(2X3, 2X4, 2X5 AND 2X6 BOX BEAMS)

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)

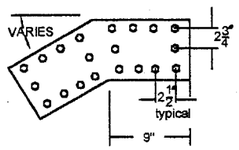
3/16" X 1 1/4" STRAPS MAY BE USED IN PLACE OF 2 " STRAPS.



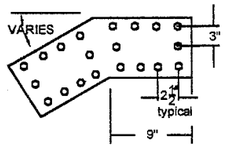
6" BOX BEAM

ALL PLATES

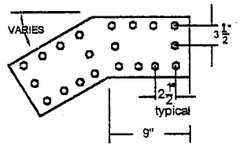
3/16" PLATES WITH #14 SMS AS SHOWN
CUT PLATES TO FIT INSIDE OF BOX BEAMS AS SHOWN ON DETAIL



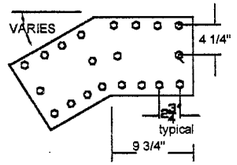
7" BOX BEAM



8" BOX BEAM

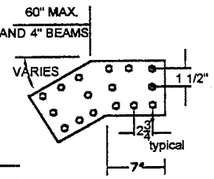


9" BOX BEAM



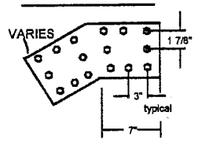
10" BOX BEAM

60" MAX.
3" AND 4" BEAMS



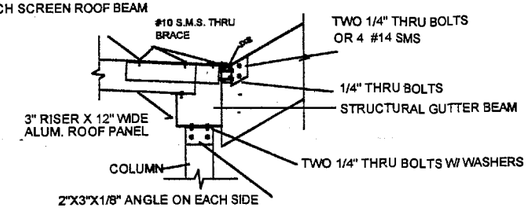
4" BOX BEAM

3" BOX BEAM

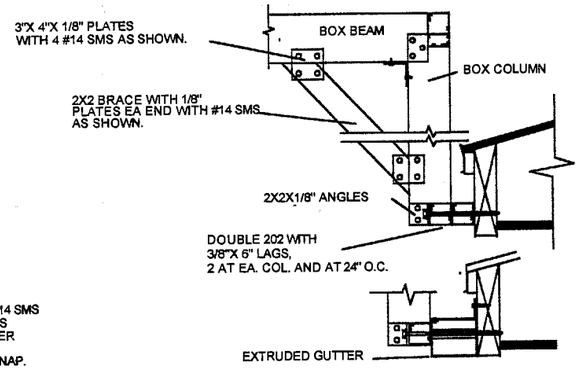


5" BOX BEAM

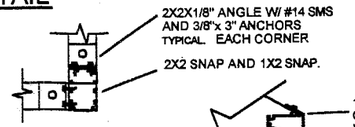
1X2X3/16" ANGLE 10" LONG
AT EACH SCREEN ROOF BEAM



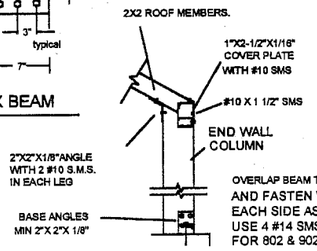
STRUCTURAL GUTTER DETAIL



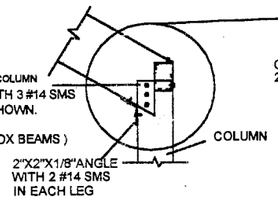
FASCIA CONNECTION FOR DOMES



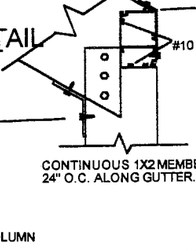
CORNER DETAIL

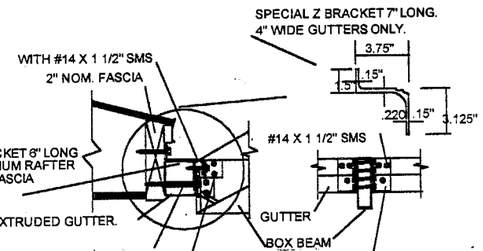


END WALL POST DETAIL

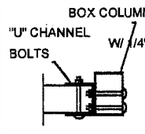


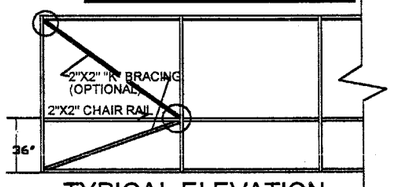
BEAM TO COLUMN CONNECTION





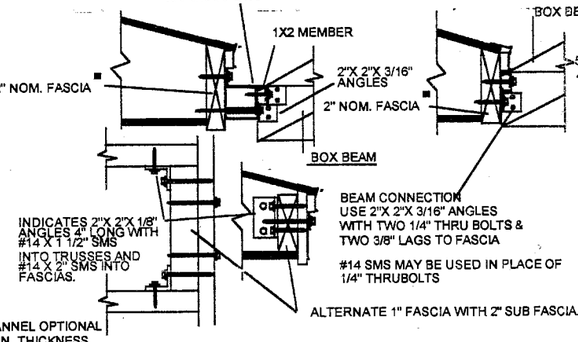
GUTTER BRACE DETAIL

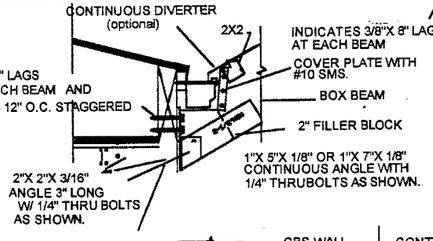


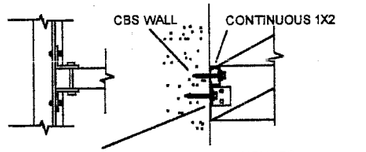


TYPICAL ELEVATION

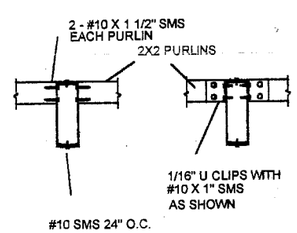
MANSARD BOX
BEAM SPLICE DETAIL

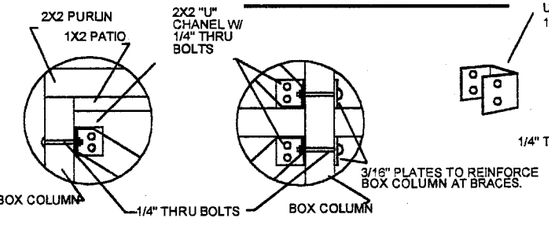




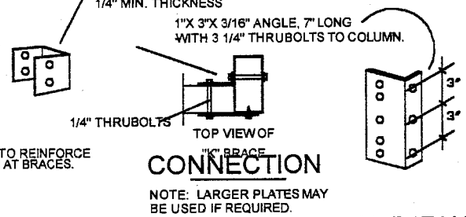


BOX BEAM DETAILS



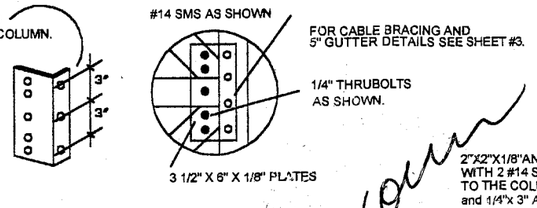


K - BRACE DETAILS

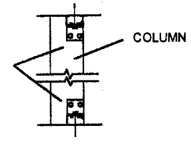


CONNECTION

NOTE: LARGER PLATES MAY BE USED IF REQUIRED.



ALTERNATE BRACE DETAILS

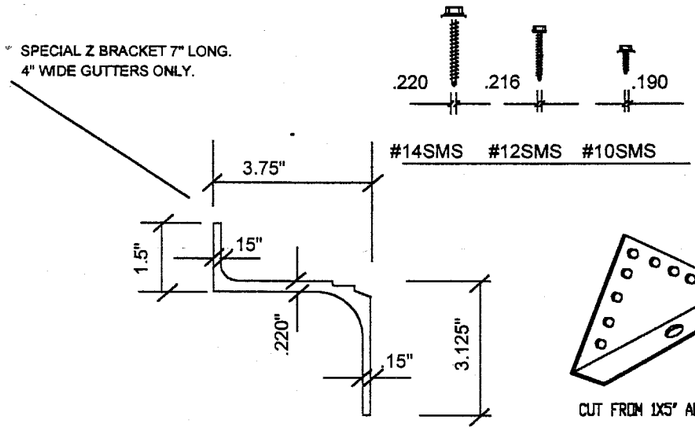


PORCH DETAILS.

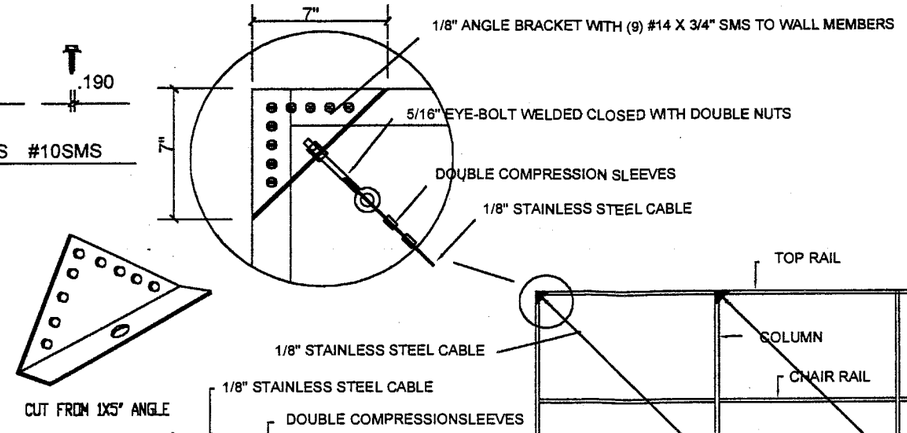
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 04-0114.01
Expiration Date 01/29/2009
By Helen A. Miller
Miami Dade Product Control
Division

Mason Ltd. Corp.
6368 N. W. 82nd AVENUE, MIAMI, FL

DRN	MONSOUR
APPROVED	RSM
DATE	JUNE 6, 1995
SCALE	SHOWN
JOB NO.	3101
SHEET NO.	2
	3

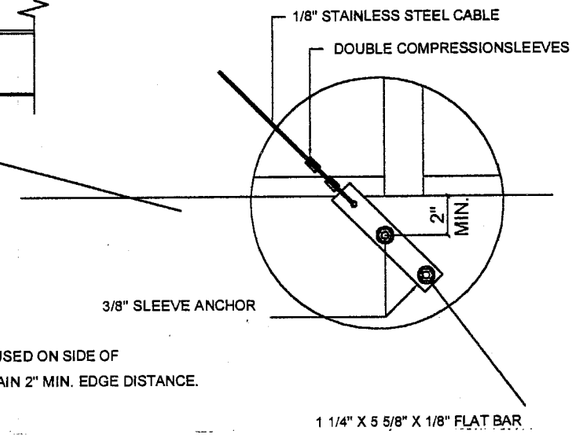


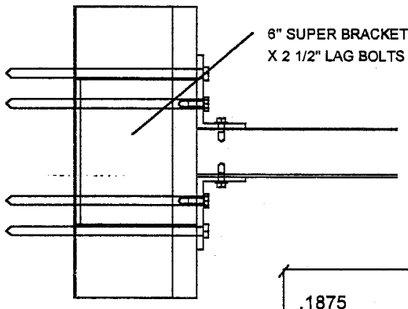
4" Z-BRACKET



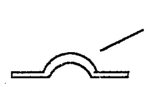
END NON LOAD BEARING WALL SQUARE FOOTAGE				
1-145	146-273	274-363	364-416	417-443
TOTAL NUMBER OF CABLES ON THE FRONT LOAD BEARING WALL				
2 1 EA. END	4 2 EA. END	6 3 EA. END	8 4 EA. END	10 5 EA. END

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.

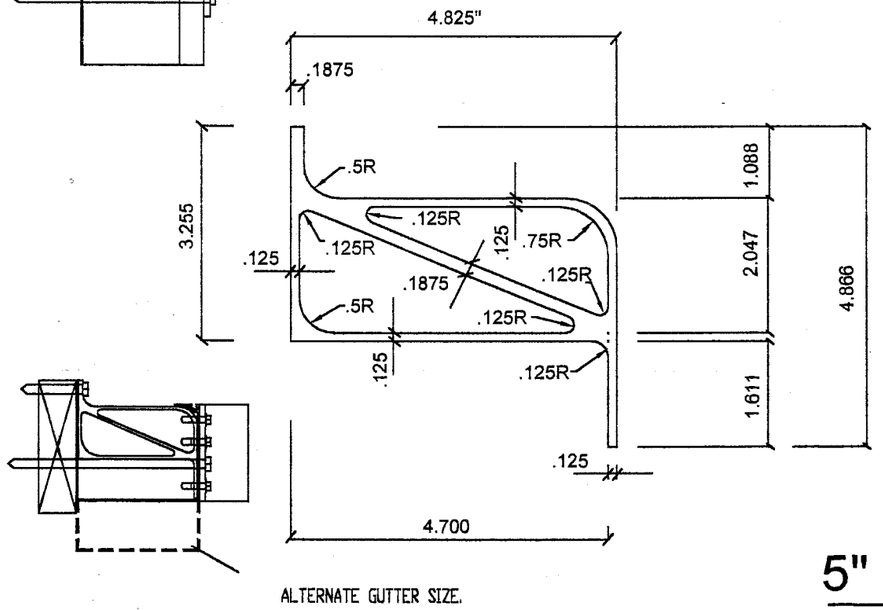


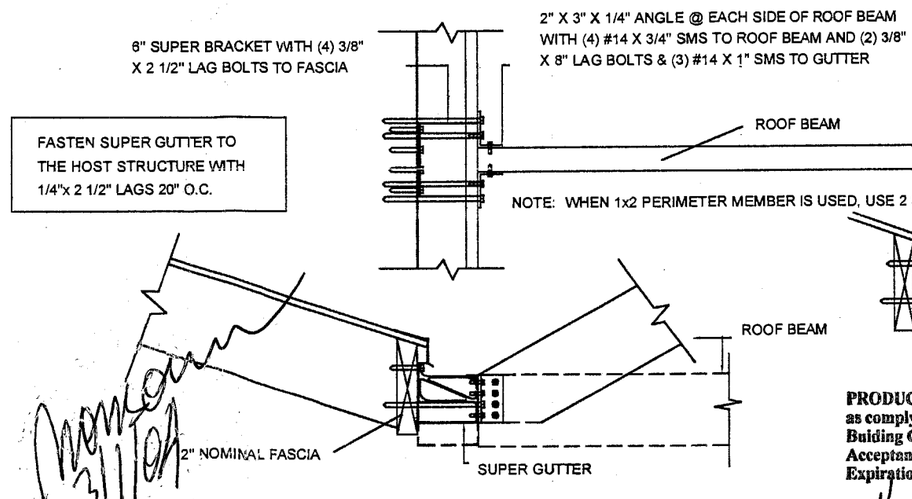


ALTERNATE



CABLE BRACING DETAIL





5" GUTTER BRACKET DETAILS.

PRODUCT REVISED
as complying with the Florida
Buiding Code
Acceptance No. 04-0114.01
Expiration Date 01/29/2009
By Helen A. Miller
Miami Dade Product Control
Division

REVISIONS	BY

RAMMS ENGINEERING, INC.
Structural Design
2100 W. 78th STREET, SUITE 311
HIALEAH, FLORIDA 33016
EB 0006024

Mason Ltd. Corp.
6368 N. W. 82nd AVENUE, MIAMI, FL

DRAWN	MONSOUR
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