



**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](http://www.miamidade.gov)

**NOTICE OF ACCEPTANCE (NOA)**

**Biscayne Awning Co.**  
611 N.W. 5<sup>th</sup> Street  
Miami, Florida 33128

**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: Canvas & Vinyl Awnings**

**APPROVAL DOCUMENT:** Drawing No. 1, 1A, 2, 2A, 3, 4, 5, & 6, titled "Fabric Awnings", prepared by Zvonimir T. Belfranin, P.E., signed and sealed by Zvonimir T. Belfranin, P.E., on February 20, 2007 bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: None**

**LABELING:** Each awning structure 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 **renews NOA # 01-0228.01** and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

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



*Helmy A. Makar*  
06/07/2007

**NOA No 06-0210.05**  
**Expiration Date: 02/26/2011**  
**Approval Date: 06/07/2007**  
**Page 1**

**Biscayne Awning Co.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #97-1118.17**

**A. DRAWINGS**

- |    |                          |   |
|----|--------------------------|---|
| 1. | <i>Drawing Title</i>     | <i>Fabric Awning</i>                          |
|    | <i>Drawing Number</i>    | <i>1</i>                                      |
| 2. | <i>Drawing Title</i>     | <i>Lean to Awning</i>                         |
|    | <i>Drawing Number</i>    | <i>2 &amp; 2A</i>                             |
| 3. | <i>Drawing Title</i>     | <i>Carport Awning</i>                         |
|    | <i>Drawing Number</i>    | <i>3</i>                                      |
| 4. | <i>Drawing Title</i>     | <i>Three Point Awning</i>                     |
|    | <i>Drawing Number</i>    | <i>4</i>                                      |
| 5. | <i>Drawing Title</i>     | <i>Quarter Circle Awnings</i>                 |
|    | <i>Drawing Number</i>    | <i>5</i>                                      |
| 6. | <i>Drawing Title</i>     | <i>Quarter Barrel Awnings</i>                 |
|    | <i>Drawing Number</i>    | <i>6</i>                                      |
|    | <i>Drawing Signature</i> | <i>Zvonimir T. Belfranin, P.E.</i>            |
|    | <i>Drawing Date</i>      | <i>3/31/95, revised 10/31/95 and 11/27/95</i> |

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

- |    |                              |   |
|----|------------------------------|---|
| 1. | <i>Calculation Title</i>     | <i>Design of fabric covered awnings</i>                   |
|    | <i>Calculation Signature</i> | <i>Zvonimir T. Belfranin, P.E.</i>                        |
|    | <i>Calculation Date</i>      | <i>3/31/95, revised 10/31/95, revised again 11/27/95.</i> |

**D. MATERIAL CERTIFICATIONS**

1. *None.*

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #01-0228.01**

**A. DRAWINGS**

1. *None.*

**B. TESTS**

1. *None.*



Helmy A. Makar, P.E., M.S.  
Product Control Examiner  
NOA No 06-0210.05  
Expiration Date: 02/26/2011  
Approval Date: 06/07/2007

**Biscayne Awning Co.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS**

1. *None.*

**D. MATERIAL CERTIFICATIONS**

1. *None.*

**3. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. 1, 1A, 2, 2A, 3, 4, 5, & 6, titled "Fabric Awnings", prepared by Zvonimir T. Belfranin, P.E., signed and sealed by Zvonimir T. Belfranin, P.E., on February 20, 2007.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

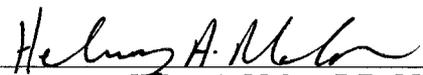
1. *Calculations titled "Detailed wind load design (method 2) per ASCE 7-02, prepared by Zvonimir Belfranin, P.E., dated February 22, 2007, 12 sheets, signed and sealed by Zvonimir Belfranin, P.E.*

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. *None.*



**Helmy A. Makar, P.E., M.S.**  
**Product Control Examiner**  
**NOA No 06-0210.05**  
**Expiration Date: 02/26/2011**  
**Approval Date: 06/07/2007**

BISCAYNE AWNING CO., INC.

ESTABLISHED 1924  
C.C. #387  
611 N.W. 5th STREET  
MIAMI, FLORIDA 33128  
PH. 305-577-0042  
FAX. 305-577-0049

METRO DADE COUNTY FLORIDA  
METRO-DADE FLAGLER BUILDING  
BUILDING CODE COMPLIANCE OFFICE  
SUITE # 1603 PRODUCT CONTROL SECTION  
METRO DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET  
MIAMI, FL 33130-1530

RE: FABRIC AWNINGS / PRODUCT CONTROL APPL. #95-0713-01

ZVONIMIR T. BELFRANIN, P.E. CRT. #33074  
CONSULTING STRUCTURAL ENGINEER  
4836 SOUTH WEST 74th COURT  
MIAMI, FLORIDA 33155  
PH. 305-669-0255

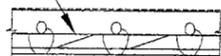
NOTES:

1. FRAME SHALL BE MADE OF GALVANIZED STEEL PIPE SCHED. 40.  
ALL PIPES DIAMETER TO BE NOMINAL DIAMETER AS PER AISC MANUAL TABLE I-93.
2. ALL PIPES WELDED TO DEVELOP FULL TENSILE STRENGTH AS PER AWS SPECIFICATIONS.  
ALL FRAMES PAINTED WITH ANTI-RUST ALUMINUM PAINT OR OPTIONAL COLOR WHEN SPECIFIED.
3. FABRIC SHALL BE MADE FOR EASY REMOVAL.
4. FABRIC SHALL BE LACED TO FRAME AND ATTACHED TO TRACK WHEN MOUNTED TO WALL.
5. FABRICATION SHALL BE IN ACCORDANCE W/ THE FLA. BUILDING CODE 2004.
6. WIND DESIGN PER ASCE 7-02. OPEN BUILDING, EXPOSURE 'C'.
7. COVER SHALL BE REMOVED BY CUSTOMER WHEN WINDS EXCEED 75 MPH.

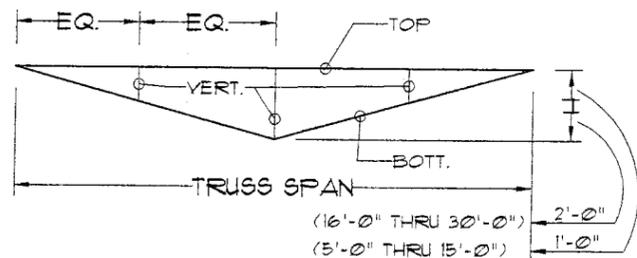
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 06-0210-05  
Expiration Date 02/26/2011  
By Helmut A. Mehn  
Miami Dade Product Control  
Division

<h1>FABRIC AWNING</h1>			
SCALE: N.T.S.	APPROVED BY: Zvonimir T. Belfranin, P.E. Consulting Structural Engineer P.E. # 23074 4836 SW 74th Street, Florida 33155 305-669-0255 BELFRANIN@AWNING.COM	DRAWN BY: JP	REVISED:
DATE:	BISCAYNE AWNING TEL 305-577-0042 611 N.W. 5th STREET MIAMI, FL 33128		FEB 20 2007
REV. 1 10/31/95 REV. 2 11/27/95	DRAWING NUMBER: 1		

COVERS ARE LACED TO FRAME USING 1/8 NYLON ROPE THRU 2 SPUR GROMMETS NOT MORE THAN 9" APART.

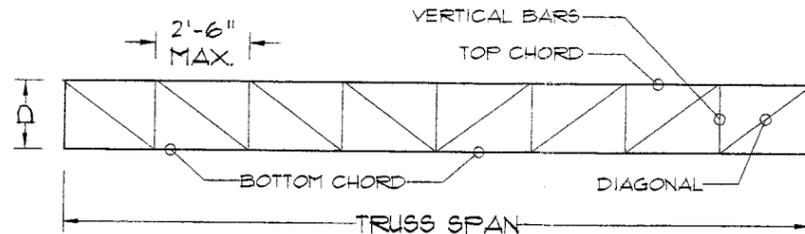


**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No 06-0210-05  
 Expiration Date 02/26/2011  
 By Helmut A. Nelson  
 Miami Dade Product Control Division



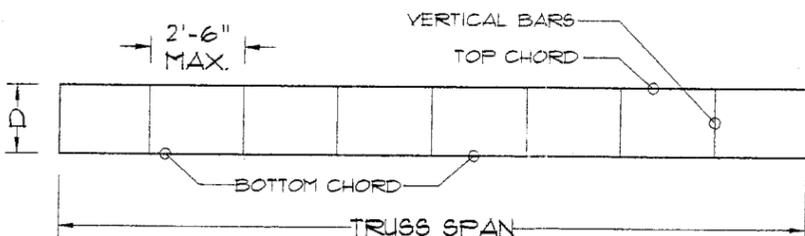
TRUSS RAFTER

PIPE SIZES		10'-13'	14'-16'	17'-18'	19'-20'	21'-22'	23'-30'
TRUSSED	TOP	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	BOTT.	3/4"	1"	1"	1"	1"	1 1/4"
	VERT.	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"



FLAT TRUSS W/ DIAGONAL

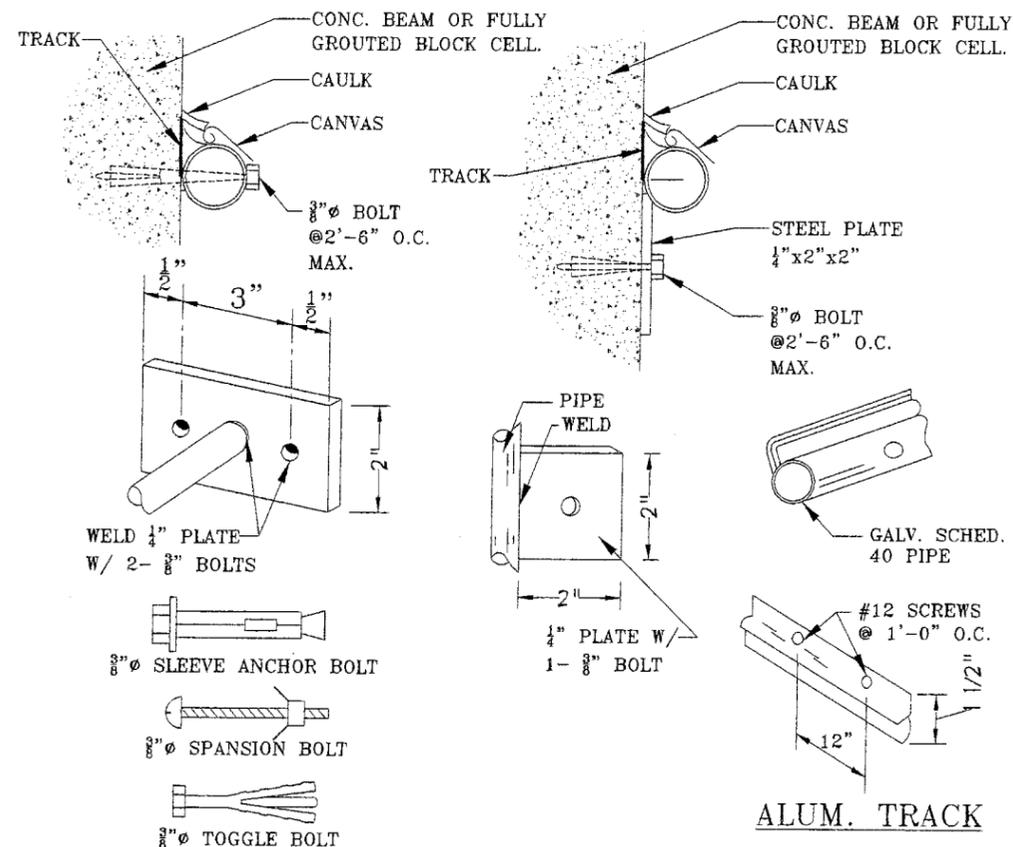
PIPE SIZES		12'-0"		16'-0"		18'-0"		20'-0"		25'-0"	
FRONT TRUSS SPAN	RAFTER SPAN	D (INCHES)									
25'-0"	TOP CHORD	1"	3/4"	1"	1"	1 1/4"	1"	1 1/4"	1"	1 1/2"	1 1/4"
	BOTT. CHORD	1"	3/4"	1"	1"	1 1/4"	1"	1 1/4"	1"	1 1/2"	1 1/4"
	DIAGONAL	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	VERTICAL	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
30'-0"	TOP CHORD	1 1/4"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/4"	2"	1 1/2"
	BOTT. CHORD	1 1/4"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/4"	2"	1 1/2"
	DIAGONAL	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	VERTICAL	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
35'-0"	TOP CHORD	1 1/4"	1 1/4"	1 1/2"	1 1/4"	2"	1 1/2"	2"	1 1/2"	2"	2"
	BOTT. CHORD	1 1/4"	1 1/4"	1 1/2"	1 1/4"	2"	1 1/2"	2"	1 1/2"	2"	2"
	DIAGONAL	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	VERTICAL	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
40'-0"	TOP CHORD	1 1/2"	1 1/4"	2"	1 1/2"	2 1/2"	2"	2 1/2"	2"	2 1/2"	2 1/2"
	BOTT. CHORD	1 1/2"	1 1/4"	2"	1 1/2"	2 1/2"	2"	2 1/2"	2"	2 1/2"	2 1/2"
	DIAGONAL	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	VERTICAL	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"



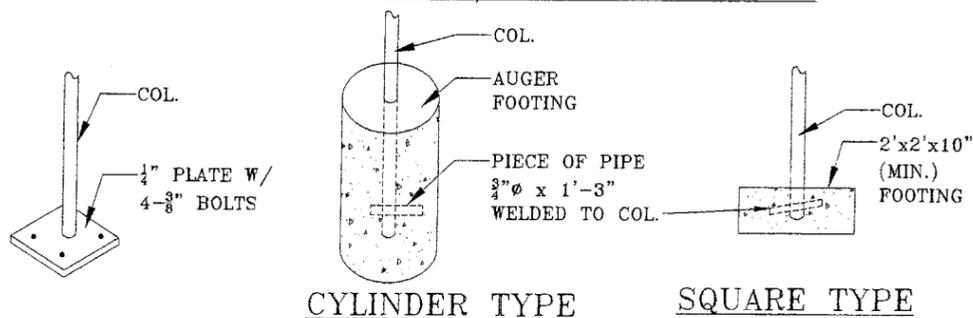
FLAT TRUSS

PIPE SIZES		8'-0"	12'-0"	16'-0"	18'-0"	20'-0"
FRONT TRUSS SPAN	RAFTER SPAN	D (INCHES)				
8'-0"	TOP CHORD	3/4"	3/4"	3/4"	3/4"	3/4"
	BOTT. CHORD	3/4"	3/4"	3/4"	3/4"	3/4"
	VERTICAL	3/4"	3/4"	3/4"	3/4"	3/4"
16'-0"	TOP CHORD	1"	1"	1 1/4"	1 1/4"	1 1/2"
	BOTT. CHORD	1"	1"	1 1/4"	1 1/4"	1 1/2"
	VERTICAL	3/4"	3/4"	3/4"	3/4"	3/4"
18'-0"	TOP CHORD	1"	1 1/4"	1 1/2"	1 1/2"	2"
	BOTT. CHORD	1"	1 1/4"	1 1/2"	1 1/2"	2"
	VERTICAL	3/4"	3/4"	3/4"	3/4"	3/4"

TYPICAL ANCHORAGE DEVICES



COLUMN BASES & / OR FOUNDATIONS

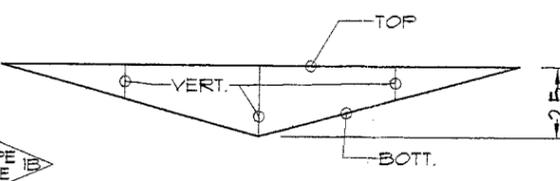
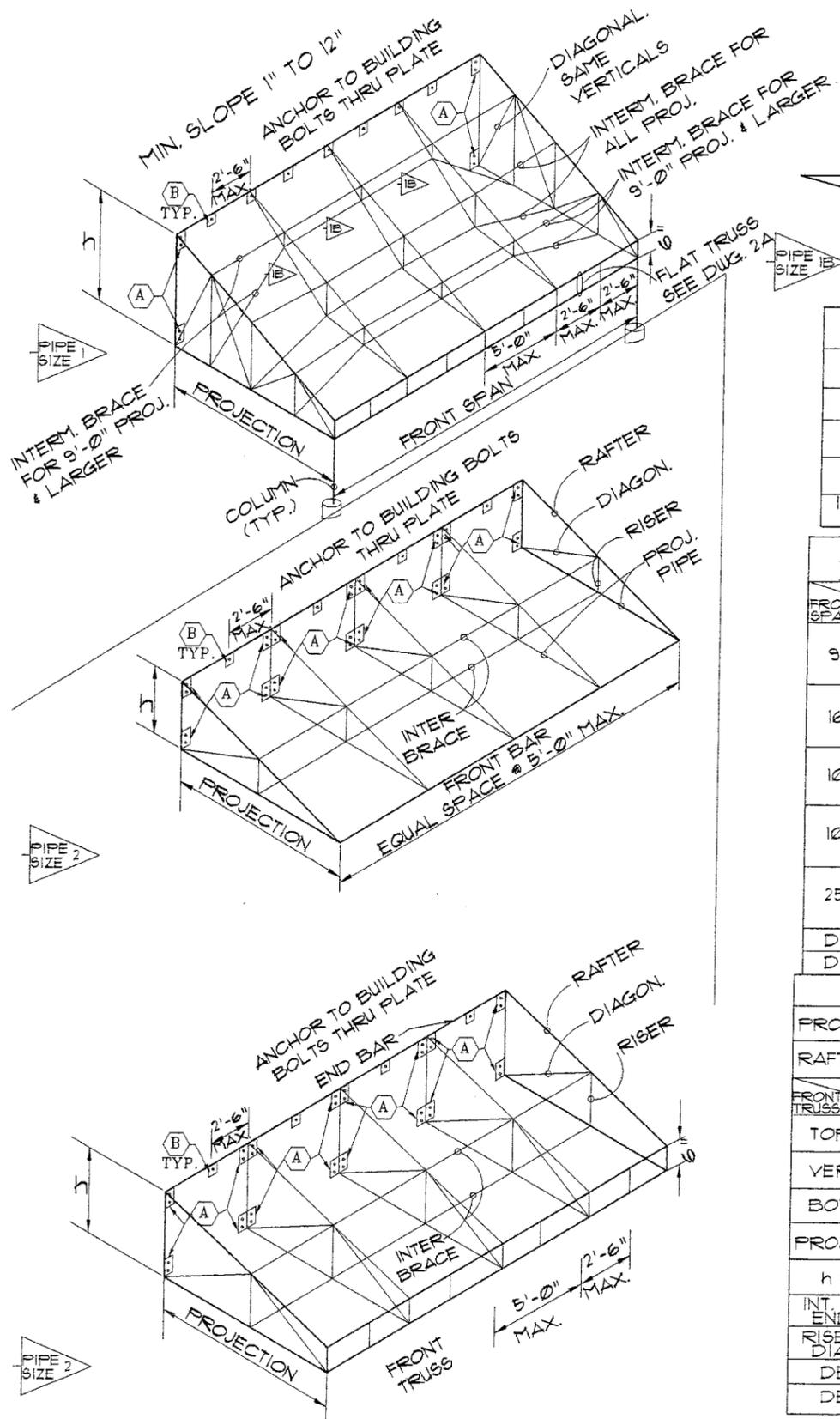


GENERAL NOTES:

1. FRAME SHALL BE MADE OF GALVANIZED STEEL PIPE SCHED. 40, ALL WELDED.
2. ALL CONNECTIONS WELDED COMPLETELY AROUND, CLEANED & GROUND SMOOTH TREATED W/ ANTI-RUST PRIMER.
3. FABRICATION SHALL BE IN ACCORDANCE W/ THE SO. FLA. BUILDING CODE 2004.
4. COVER SHALL BE REMOVED BY CUSTOMER WHEN WINDS EXCEED 75 MPH.

TRUSS, CONNECTION DETAILS AND GENERAL NOTES.

SCALE: N.T.S.	APPROVED BY: Zvonimir T. Belfranin, P.E. Consulting Structural Engineer P.E. # 23874 404 N.E. 14 STREET, MIAMI, FLORIDA 33136 (305) 441-0299 BELFRANIN@AOL.COM	DRAWN BY: C.A.
DATE: 3-31-95		REVISED: C.P.
BISCAYNE AWNING TEL. 305-577-0042 611 N.W. 5th STREET MIAMI, FL 33128		FEB 20 2007
FABRIC AWNINGS FRAMES		DRAWING NUMBER: 1A

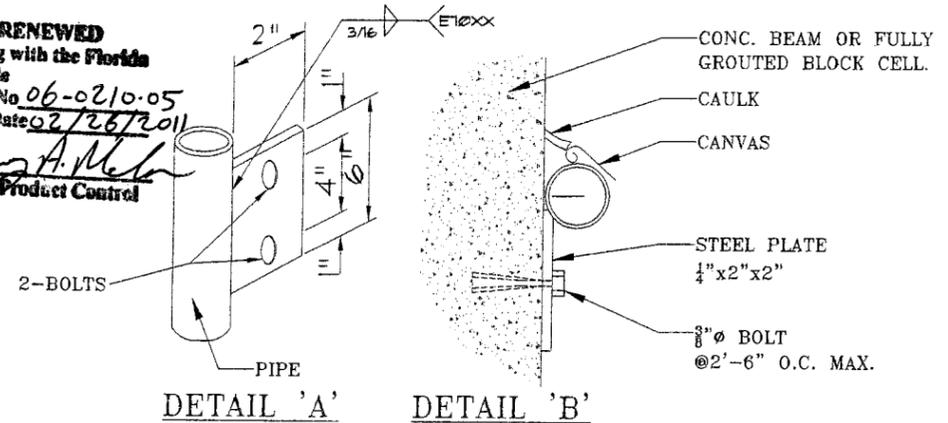


PIPE SIZES 1 RAFTER TRUSS						
RAFTER SPAN	5'-0"	9'-0"	12'-0"	16'-0"	18'-0"	20'-0"
TOP	3/4"	3/4"	1"	1 1/4"	1 1/4"	1 1/2"
BOTT.	3/4"	3/4"	1"	1 1/4"	1 1/2"	2"
VERT.	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"
INTER BRACE END BAR	3/4"	1 1/4"	1/2"	2"	2"	2"

PIPE SIZES 1 END TRUSS BY COLUMN								
FRONT SPAN	PROJECT	5'-0"	9'-0"	12'-0"	16'-0"	18'-0"	20'-0"	COLS.
		1'-0"	1'-3"	1'-6"	1'-10"	2'-0"	2'-2"	
9'-0"	TOP	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"φ
	VERT.	1/2"	1/2"	1/2"	3/4"	3/4"	1"	
	BOTT.	3/4"	3/4"	3/4"	3/4"	3/4"	1"	
16'-0"	TOP	3/4"	3/4"	1"	1"	1 1/4"	1 1/4"	1 1/4"φ
	VERT.	1/2"	1/2"	3/4"	1"	1 1/4"	1 1/4"	
	BOTT.	3/4"	3/4"	1"	1"	1 1/4"	1 1/4"	
10'-0"	TOP	3/4"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"φ
	VERT.	1/2"	1/2"	3/4"	1"	1 1/4"	1 1/4"	
	BOTT.	3/4"	1"	1"	1 1/4"	1 1/4"	1 1/4"	
10'-0"	TOP	3/4"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/2"φ
	VERT.	1/2"	3/4"	3/4"	1"	1 1/4"	1 1/4"	
	BOTT.	3/4"	1"	1"	1 1/4"	1 1/4"	1 1/4"	
25'-0"	TOP	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	2"φ
	VERT.	1/2"	3/4"	1"	1 1/4"	1 1/4"	1 1/2"	
	BOTT.	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	
DET. "A"		3/8"	3/8"	5/8"	5/8"	5/8"	5/8"	
DET. "B"		3/8"	3/8"	5/8"	5/8"	5/8"	5/8"	

PIPE SIZES 2						
PROJECTION	5'-0"	7'-0"	10'-0"	15'-0"	20'-0"	
RAFTER	3/4"	1 1/4"	1 1/2"	2 1/2"	3"	
FRONT TRUSS	FRONT BAR	3/4"	3/4"	3/4"	3/4"	3/4"
	TOP BAR	3/4"	3/4"	3/4"	1"	1"
	VERT. BAR	1/2"	1/2"	3/4"	3/4"	3/4"
	BOTT. BAR	3/4"	3/4"	3/4"	1"	1"
PROJECTION	3/4"	3/4"	1"	1 1/4"	1 1/2"	
h (MIN.)	7 1/2"	10 1/2"	1'-3"	1'-10 3/4"	3'-9"	
INT BRACE END BAR	3/4"	1"	1 1/2"	2"	2"	
RISER AND DIAGONAL	3/4"	3/4"	1"	1 1/4"	1 1/2"	
DET. "A"	5/8"φ	5/8"φ	5/8"φ	5/8"φ	5/8"φ	
DET. "B"	5/8"φ	5/8"φ	5/8"φ	5/8"φ	5/8"φ	

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No. 06-0210-05  
 Expiration Date 02/26/2011  
 By Helmut A. Melch  
 Miami Dade Product Control Division



COVERS ARE LACED TO FRAME USING 1/8 NYLON ROPE THRU 2 SPUR GROMMETS NOT MORE THAN 9" APART.

KWIK BOLT BY HILTI		
SIZE	MINIMUM EMBEDMENT	REMARKS
3/8"φ	1 5/8"φ	
5/8"φ	2 3/4"φ	

- NOTES:**
1. FRAME SHALL BE MADE OF GALVANIZED STEEL PIPE SCHED. 40. ALL PIPES DIAMETER TO BE NOMINAL DIAMETER AS PER AISC MANUAL TABLE I-93.
  2. ALL PIPES WELDED TO DEVELOP FULL TENSILE STRENGTH AS PER AWS SPECIFICATIONS. ALL FRAMES PAINTED WITH ANTI-RUST ALUMINUM PAINT OR OPTIONAL COLOR WHEN SPECIFIED.
  3. FABRIC SHALL BE MADE FOR EASY REMOVAL.
  4. FABRIC SHALL BE LACED TO FRAME AND ATTACHED TO TRACK WHEN MOUNTED TO WALL.
  5. FABRICATION SHALL BE IN ACCORDANCE W/ THE SO. FLA. BUILDING CODE 2004.
  6. WIND DESIGN PER ASCE 7-02. OPEN BUILDING, EXPOSURE 'C'.
  7. COVER SHALL BE REMOVED BY CUSTOMER WHEN WINDS EXCEED 75 MPH.

## LEAN TO AWNING

SCALE: N.T.S.	APPROVED BY: Zvonimir T. Beltramin, P.E. Consulting Structural Engineer P.E. # 33974 4815 SW 14 CYPRESS, FLORIDA 33155 (305) 444-2029 BELTRAMIN@AOL.COM	DRAWN BY: J.P.
DATE:		REVISED:
BISCAYNE AWNING TEL. 305-577-0042 611 N.W. 5th STREET MIAMI, FL 33128		
REV. 1 10/31/95		FEB 20 2007
REV. 2 11/27/95		DRAWING NUMBER: 2

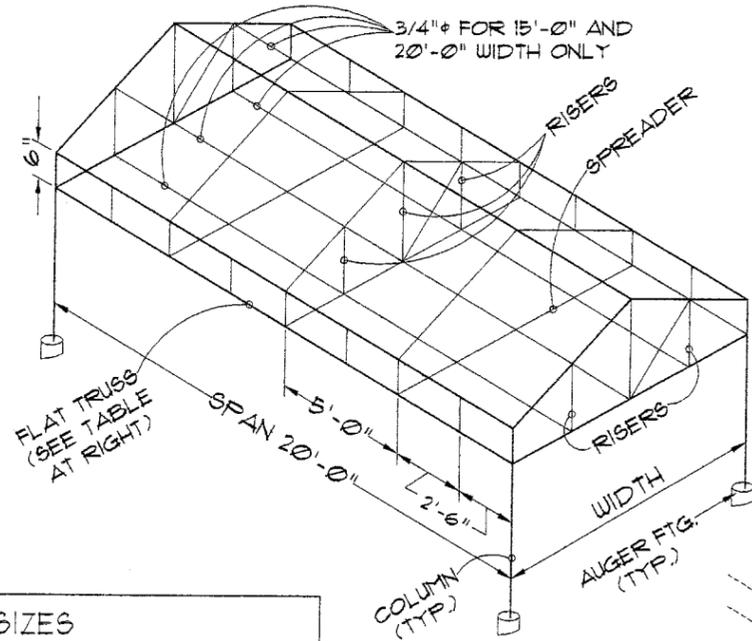
PIPE SIZES FLAT TRUSS							
PROJECT	5'-0"	9'-0"	12'-0"	16'-0"	18'-0"	20'-0"	
FRONT TRUSS SPAN							
9'-0" TOP	3/4"	3/4"	1"	1"	1"	1"	
9'-0" VERT.	3/4"	3/4"	3/4"	3/4"	3/4"	1"	
9'-0" BOTT.	3/4"	3/4"	1"	1"	1"	1"	
16'-0" TOP	1"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	
16'-0" VERT.	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	
16'-0" BOTT.	1"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	
18'-0" TOP	1"	1 1/4"	1 1/2"	1 1/2"	2"	2"	
18'-0" VERT.	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	
18'-0" BOTT.	1"	1 1/4"	1 1/2"	1 1/2"	2"	2"	
20'-0" TOP	1 1/4"	1 1/4"	1 1/2"	2"	2"	2"	
20'-0" VERT.	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	
20'-0" BOTT.	1 1/4"	1 1/4"	1 1/2"	2"	2"	2"	
25'-0" TOP	1 1/4"	2"	2"	2 1/2"	2 1/2"	2 1/2"	
25'-0" VERT.	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	
25'-0" BOTT.	1 1/4"	2"	2"	2 1/2"	2 1/2"	2 1/2"	

FOR PIPE SIZE 1. SEE DWG. #2

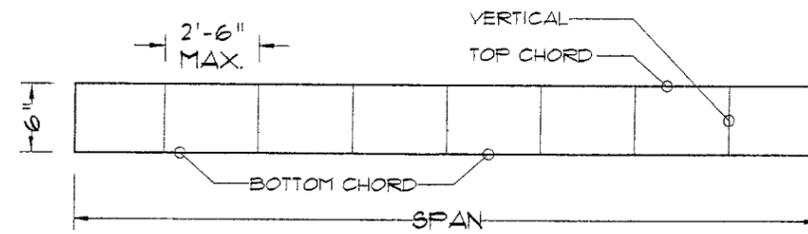
**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 06-0210.05  
 Expiration Date 02/26/2011  
 By *Helmut A. Mahr*  
 Miami Dade Product Control  
 Division

# LEAN TO AWNING

SCALE: N.T.S.	APPROVED BY: Zvonimir T. Belfranin, P.E. Consulting Structural Engineer P.E. # 23074 4836 SW 74 STREET, FLORIDA 33155 (305) 443-4000 BELFRANIN@AOL.COM	DRAWN BY: J.P.
DATE: 11-27-95		REVISED:
BISCAYNE AWNING TEL. 305-577-0042 611 N.W. 5th STREET MIAMI, FL 33128		<i>[Signature]</i> FEB 20 2007
		DRAWING NUMBER: 2A



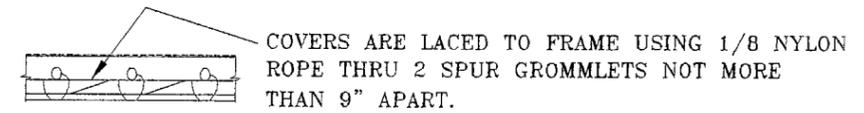
PIPE SIZES							
WIDTH	RIDGE	RAFTER	SPREAD	RISER	h	COLUMN	AUGER FOOTING
10'-0"	1 1/4"	1"	1"	3/4"	2'-0"	2 1/2"	2'-6" DEEP
15'-0"	1 1/4"	1 1/4"	1 1/4"	1"	2'-3"	3"	2'-6" DEEP
20'-0"	1 1/4"	1 1/2"	1 1/2"	1"	3'-3"	3"	2'-6" DEEP



**FLAT TRUSS**

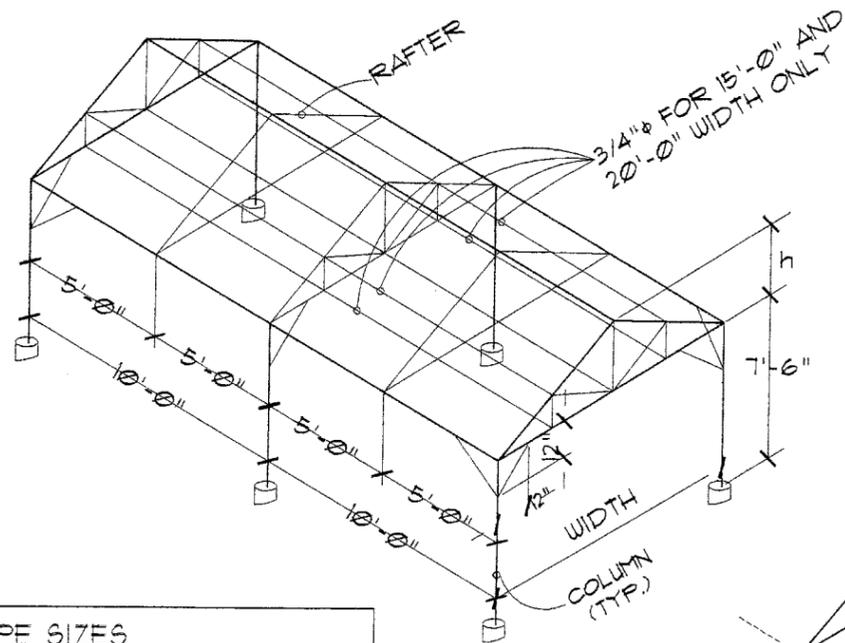
PIPE SIZES FLAT TRUSS				
FRONT TRUSS	WIDTH			D (INCHES)
	10'-0"	15'-0"	20'-0"	
20'-0" VERT.	2"	2 1/2"	2 1/2"	6"
BOTT.	3/4"	3/4"	3/4"	

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 06-0210.05  
 Expiration Date 02/26/2011  
 By *Heather A. Melton*  
 Miami Dade Product Control  
 Division

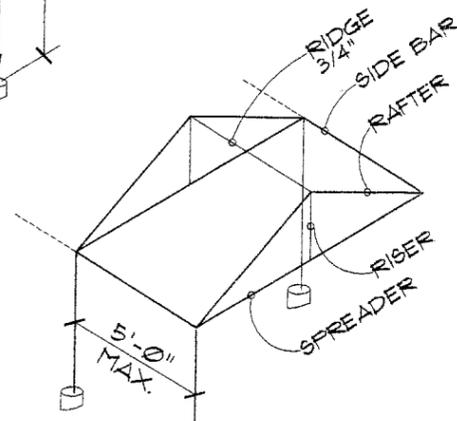


**NOTES:**

1. FRAME SHALL BE MADE OF GALVANIZED STEEL PIPE SCHED. 40. ALL PIPES DIAMETER TO BE NOMINAL DIAMETER AS PER AISC MANUAL TABLE 1-93.
2. ALL PIPES WELDED TO DEVELOP FULL TENSILE STRENGTH AS PER AWS SPECIFICATIONS. ALL FRAMES PAINTED WITH ANTI-RUST ALUMINUM PAINT OR OPTIONAL COLOR WHEN SPECIFIED.
3. FABRIC SHALL BE MADE FOR EASY REMOVAL.
4. FABRIC SHALL BE LACED TO FRAME AND ATTACHED TO TRACK WHEN MOUNTED TO WALL.
5. FABRICATION SHALL BE IN ACCORDANCE W/ THE SO. FLA. BUILDING CODE 2004.
6. WIND DESIGN PER ASCE 7-02. OPEN BUILDING, EXPOSURE 'C'.
7. COVER SHALL BE REMOVED BY CUSTOMER WHEN WINDS EXCEED 75 MPH.

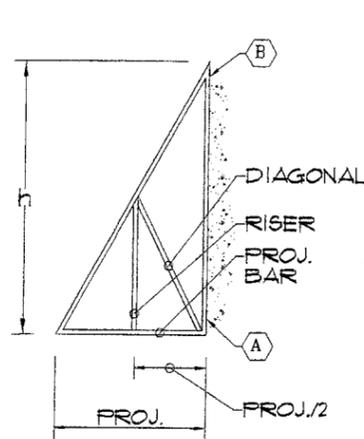


PIPE SIZES								
WIDTH	RIDGE	SIDE BAR	RAFTER	SPREAD	RISER	h	COLUMN	AUGER FOOTING
10'-0"	1 1/4"	3/4"	1"	1"	3/4"	1'-6"	2"	2'-0" DEEP
15'-0"	1 1/4"	1"	1 1/4"	1 1/4"	1"	2'-3"	2 1/2"	2'-6" DEEP
20'-0"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1"	2'-9"	2 1/2"	2'-6" DEEP

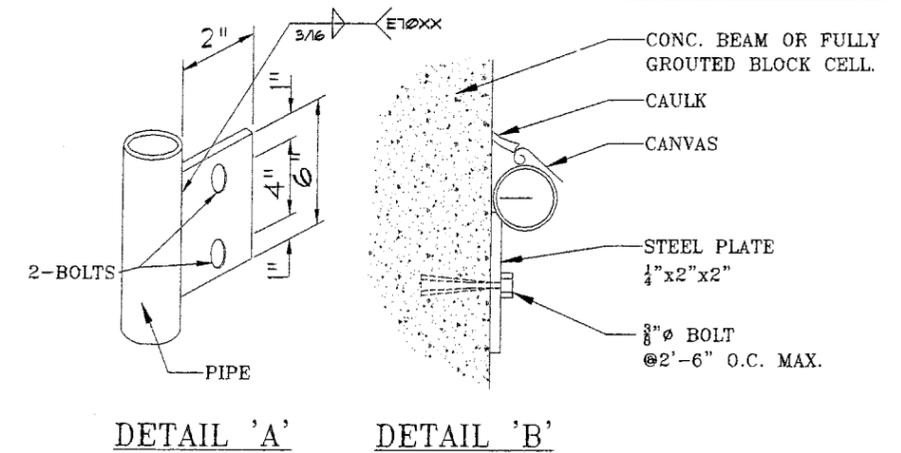
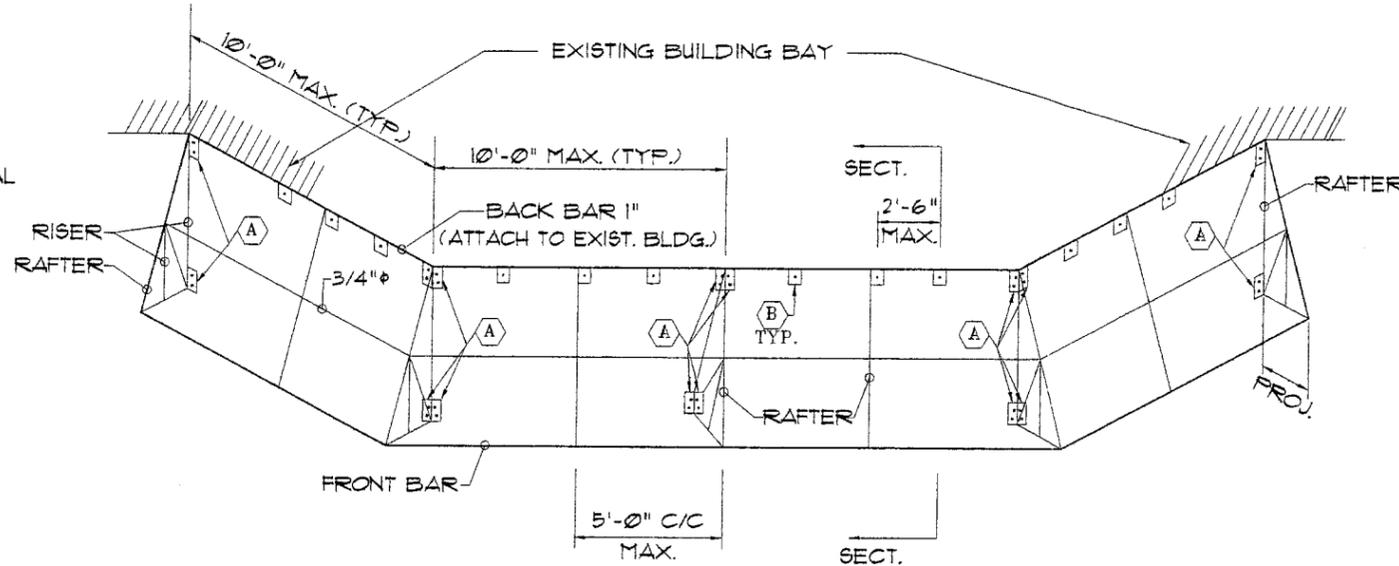


# CARPORT AWNING

SCALE: N.T.S.	APPROVED BY: Zvonimir T. Belfranin, P.E. Consulting Structural Engineer P.E. # 53974 400 S.E. 14 ST. SUITE 1000 FLORIDA 33135 (305) 444-0299 BELFRANIN@AISC.COM	DRAWN BY: J.P.
DATE: 3-31-95		REVISED:
BISCAYNE AWNING TEL. 305-577-0042 611 N.W. 5th STREET MIAMI, FL 33128		FEB 20 2007
REV. 1 10/31/95 REV. 2 11/27/95		DRAWING NUMBER: 3



SECTION



COVERS ARE LACED TO FRAME USING 1/8 NYLON ROPE THRU 2 SPUR GROMMETS NOT MORE THAN 9" APART.

KWIK BOLT BY HILTI		
SIZE	MINIMUM EMBEDMENT	REMARKS
3/8" φ	1 5/8" φ	
5/8" φ	2 3/4" φ	

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 06-0210.05  
 Expiration Date 02/26/2011  
 By *Helmut A. Melzer*  
 Miami Dade Product Control  
 Division

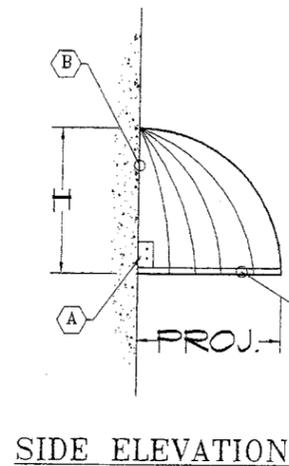
PIPE SIZES	PROJECTION		
	3'-0"	8'-0"	10'-0"
RAFTERS	3/4"	1 1/4"	1 1/2"
FRONT	1"	1 1/2"	2"
INSIDE PROJ. @ 10'-0"	3/4"	3/4"	1"
h (MIN.)	2'-0"	2'-6"	3'-6"
DIAGONAL	3/4"	1 1/4"	1 1/2"
RISER	3/4"	3/4"	1"
DET. "A"	3/8"	5/8"	5/8"
DET. "B"	3/8"	5/8"	5/8"

NOTES:

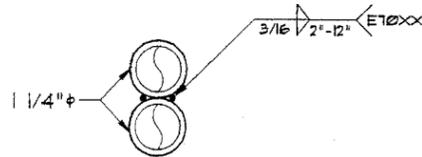
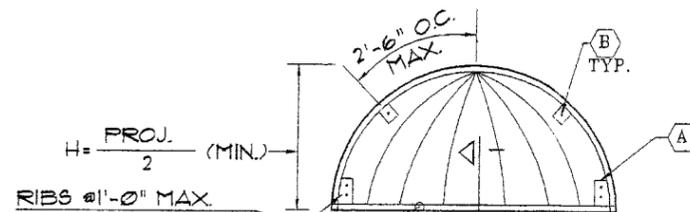
- FRAME SHALL BE MADE OF GALVANIZED STEEL PIPE SCHED. 40. ALL PIPES DIAMETER TO BE NOMINAL DIAMETER AS PER AISC MANUAL TABLE 1-93.
- ALL PIPES WELDED TO DEVELOP FULL TENSILE STRENGTH AS PER AWS SPECIFICATIONS. ALL FRAMES PAINTED WITH ANTI-RUST ALUMINUM PAINT OR OPTIONAL COLOR WHEN SPECIFIED.
- FABRIC SHALL BE MADE FOR EASY REMOVAL.
- FABRIC SHALL BE LACED TO FRAME AND ATTACHED TO TRACK WHEN MOUNTED TO WALL.
- FABRICATION SHALL BE IN ACCORDANCE W/ THE SO. FLA. BUILDING CODE 2004.
- WIND DESIGN PER ASCE 7-02. OPEN BUILDING, EXPOSURE 'C'.
- COVER SHALL BE REMOVED BY CUSTOMER WHEN WINDS EXCEED 75 MPH.

# THREE POINT AWNING

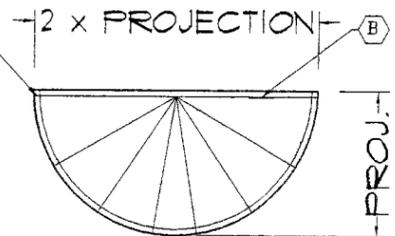
SCALE: N.T.S.	APPROVED BY: Zvonimir T. Belfranin, P.E. Consulting Structural Engineer P.E. # 33974 4036 SW 14 ST, MIAMI, FLORIDA 33155 (305) 444-0200 ZBelfranin@aol.com	DRAWN BY: J.P.
DATE: 3-31-95		REVISED:
BISCAYNE AWNING TEL. 305-577-0042 611 N.W. 5th STREET MIAMI, FL 33128		FEB 20 2007
REV. 1 10/31/95 REV. 2 11/27/95		DRAWING NUMBER: 4



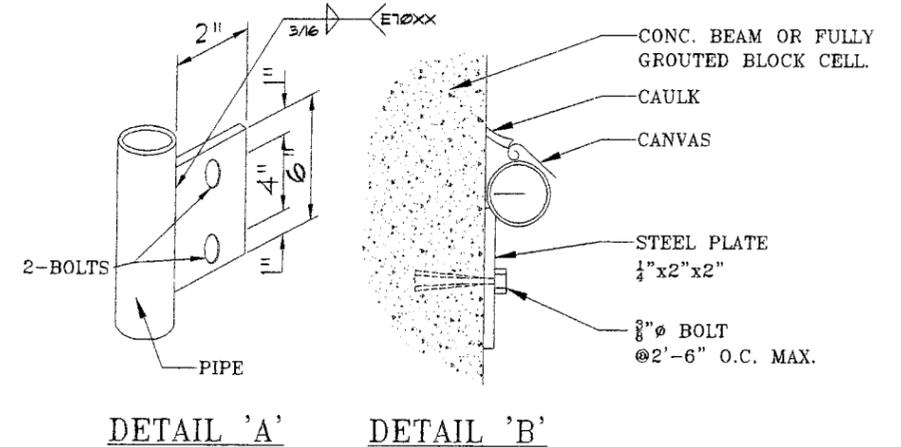
DOUBLE FRONT BAR  
WELDED W/  $\frac{5}{16}$ " FILLET  
WELD 2" @ 12" O.C. FOR  
6'-0" PROJECTION ONLY



SECTION 1-1  
6ft. PROJECTION  
ONLY



PIPE SIZES			BOLTS SIZES	
PROJECTION	RIBS	FRONT BAR	DET. "A"	DET. "B"
2'-0"	1/2"	1/2"	3/8"φ	3/8"φ
3'-0"	3/4"	3/4"	5/8"φ	5/8"φ
6'-0"	1"	1 1/4" / 1 1/4"	5/8"φ	5/8"φ



COVERS ARE LACED TO FRAME USING 1/8 NYLON ROPE THRU 2 SPUR GROMMETS NOT MORE THAN 9" APART.

KWIK BOLT BY HILTI		
SIZE	MINIMUM EMBEDMENT	REMARKS
3/8"φ	1 5/8"φ	
5/8"φ	2 3/4"φ	

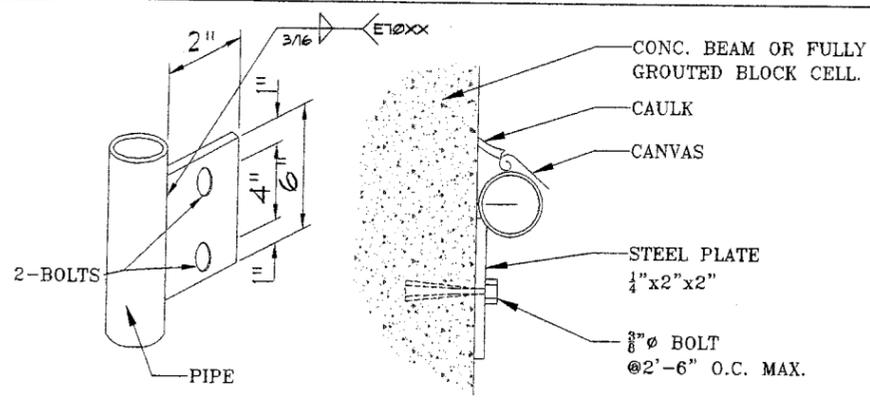
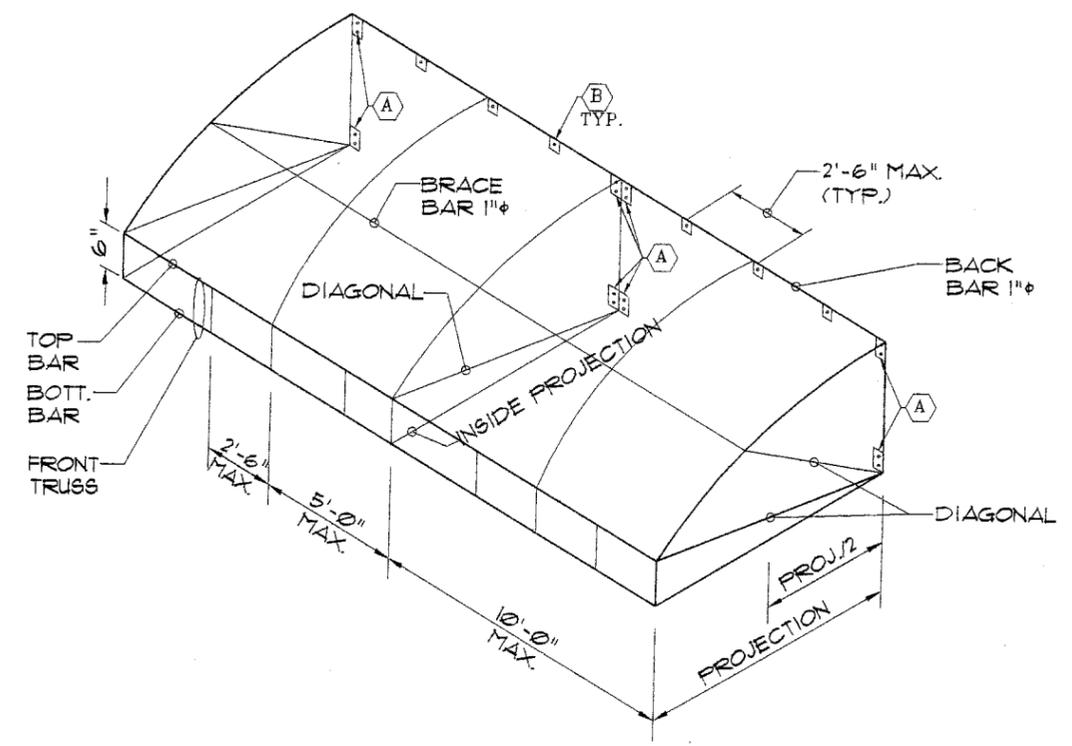
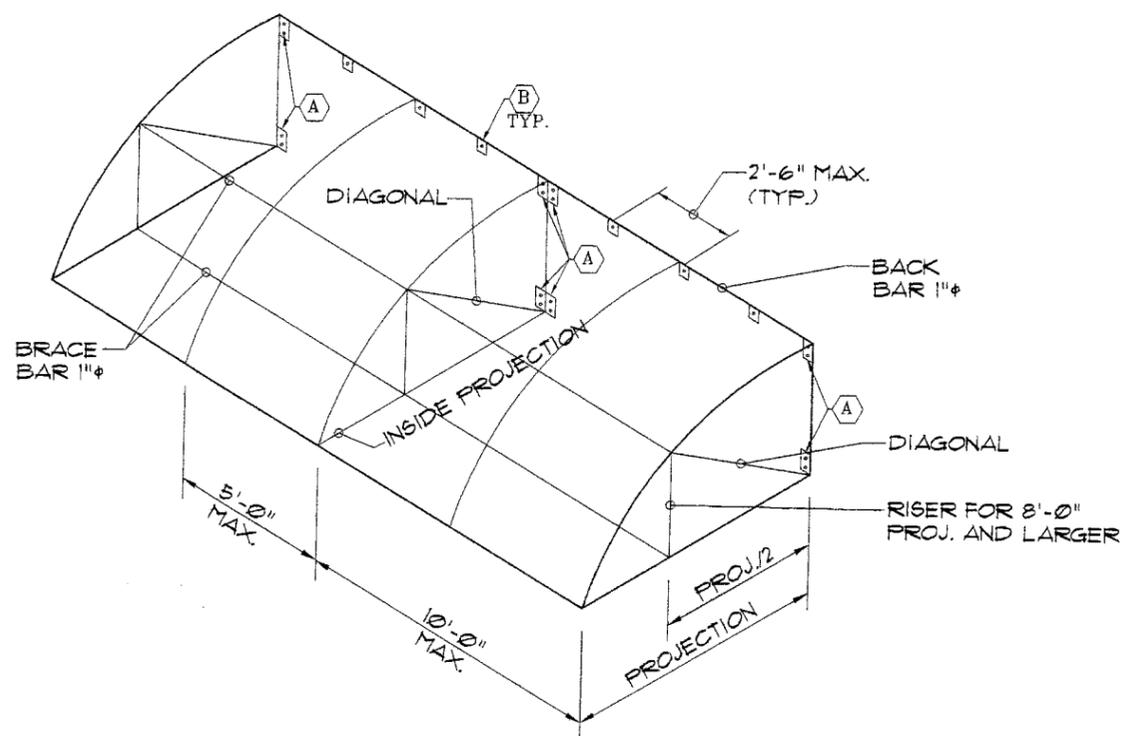
NOTES:

- FRAME SHALL BE MADE OF GALVANIZED STEEL PIPE SCHED. 40. ALL PIPES DIAMETER TO BE NOMINAL DIAMETER AS PER AISC MANUAL TABLE I-93.
- ALL PIPES WELDED TO DEVELOP FULL TENSILE STRENGTH AS PER AWS SPECIFICATIONS. ALL FRAMES PAINTED WITH ANTI-RUST ALUMINUM PAINT OR OPTIONAL COLOR WHEN SPECIFIED.
- FABRIC SHALL BE MADE FOR EASY REMOVAL.
- FABRIC SHALL BE LACED TO FRAME AND ATTACHED TO TRACK WHEN MOUNTED TO WALL.
- FABRICATION SHALL BE IN ACCORDANCE W/ THE SO. FLA. BUILDING CODE 2004.
- WIND DESIGN PER ASCE 7-02. OPEN BUILDING, EXPOSURE 'C'.
- COVER SHALL BE REMOVED BY CUSTOMER WHEN WINDS EXCEED 75 MPH.

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 06-0210.05  
Expiration Date 02/26/2011  
By *Helmut A. Nelson*  
Miami Dade Product Control  
Division

# QUARTER CIRCLE AWNINGS

SCALE: N.T.S.	APPROVED BY: Zvonimir T. Beltranin, P.E. Consulting Structural Engineer P.E. # 336074 4834 SW 14 ST MIAMI, FLORIDA 33155 (305) 884-0259 BELTRANIN@AOL.COM	DRAWN BY: JP.
DATE: 3-31-95		REVISED:
BISCAYNE AWNING TEL. 305-577-0042 611 N.W. 5th STREET MIAMI, FL 33128		FEB 20 2007
REV. 1 10/31/95 REV. 2 11/27/95		DRAWING NUMBER: 5



DETAIL 'A'

DETAIL 'B'

COVERS ARE LACED TO FRAME USING 1/8 NYLON ROPE THRU 2 SPUR GROMMETS NOT MORE THAN 9" APART.

PIPE SIZES		3'-0"	8'-0"	10'-0"
PROJECTION		3'-0"	8'-0"	10'-0"
RAFTERS		3/4"	1 1/4"	1 1/2"
FRONT TRUSS	FRONT BAR	1"	1 1/2"	2"
	TOP BAR	3/4"	3/4"	1"
	BOTT. BAR	3/4"	3/4"	1"
	VERT. BAR	1/2"	1/2"	1/2"
	BOTT. & INSIDE PROJECTION	3/4"	3/4"	1"
	DIAGONAL	3/4"	1 1/4"	1 1/2"
	h	2'-0"	2'-6"	3'-6"
	RISER	3/4"	3/4"	1"
BOLT SIZE	DET. "A"	3/8"	5/8"	5/8"
	DET. "B"	3/8"	5/8"	5/8"

KWIK BOLT BY HILTI		
SIZE	MINIMUM EMBEDMENT	REMARKS
3/8"φ	1 5/8"φ	
5/8"φ	2 3/4"φ	

NOTES:

1. FRAME SHALL BE MADE OF GALVANIZED STEEL PIPE SCHED. 40. ALL PIPES DIAMETER TO BE NOMINAL DIAMETER AS PER AISC MANUAL TABLE I-93.
2. ALL PIPES WELDED TO DEVELOP FULL TENSILE STRENGTH AS PER AWS SPECIFICATIONS. ALL FRAMES PAINTED WITH ANTI-RUST ALUMINUM PAINT OR OPTIONAL COLOR WHEN SPECIFIED.
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5. FABRICATION SHALL BE IN ACCORDANCE W/ THE SO. FLA. BUILDING CODE 2004.
6. WIND DESIGN PER ASCE 7-02. OPEN BUILDING, EXPOSURE 'C'.
7. COVER SHALL BE REMOVED BY CUSTOMER WHEN WINDS EXCEED 75 MPH.

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No. 06-0210.05  
 Expiration Date 07/26/2011  
 By Helmut A. Mohr  
 Miami Dade Product Control Division

## QUARTER BARREL AWNINGS

SCALE: N.T.S.	APPROVED BY: Zvonimir T. Belfranin, P.E. Consulting Structural Engineer P.E. # 33074 4830 N.W. 57th Avenue, Florida 33155 (305) 544-0200 BELFRANIN@AOL.COM	DRAWN BY: J.P.
DATE: 3-31-95		REVISED:
BISCAYNE AWNING TEL. 305-577-0042 611 N.W. 5th STREET MIAMI, FL 33128		FEB 20 2007
REV. 1 10/31/95 REV. 2 11/27/95		DRAWING NUMBER: 6