

DATE 07/25/2007

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000026054

APPLICANT DAVID MATE

PHONE 618-410-7168

ADDRESS 194 SW MEREDITH LAKE

LAKE CITY

FL

32024

OWNER DAVID MATE

PHONE 618-410-7168

ADDRESS 194 SW MEREDITH LAKE

LAKE CITY

FL

32024

CONTRACTOR OWNER BUILDER

PHONE

LOCATION OF PROPERTY

247 S, L 242, L BLAINE ESTAES, R BUCHANAN, R MEREDITH LN,

R WHITE HOUSE WITH BLACK SHUTTERS

TYPE DEVELOPMENT

STEELE BUILDING

ESTIMATED COST OF CONSTRUCTION

17000.00

HEATED FLOOR AREA

TOTAL AREA

HEIGHT

STORIES

FOUNDATION

WALLS

ROOF PITCH

FLOOR

LAND USE & ZONING

RVLD

MAX. HEIGHT

35

Minimum Set Back Requirements:

STREET-FRONT

25.00

REAR

15.00

SIDE

10.00

NO. EX.D.U.

1

FLOOD ZONE

XPP

DEVELOPMENT PERMIT NO.

PARCEL ID 22-4S-16-03090-312

SUBDIVISION

BLAINE ESTATES

LOT 12

BLOCK

PHASE

UNIT

TOTAL ACRES

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

EXISTING

X07-278

BK

JH

N

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS: ACCESSORY STRUCTURE

Check # or Cash 2536

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power

date/app. by

Foundation

date/app. by

Monolithic

date/app. by

Under slab rough-in plumbing

date/app. by

Slab

date/app. by

Sheathing/Nailing

date/app. by

Framing

date/app. by

Rough-in plumbing above slab and below wood floor

date/app. by

Columbia County Building Permit Application

CK# 2536

For Office Use Only Application # 0707-12 Date Received 7/13/07 By GF Permit # 26054
 Application Approved by - Zoning Official BHK Date 24.07.07 Plans Examiner OKJTH Date 7-18-07
 Flood Zone Xp1a Development Permit N/A Zoning RR Land Use Plan Map Category Res.U.L.Dev.
 Comments Accessory Structure
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permi

Name Authorized Person Signing Permit David J. Mate Phone 618-410-7168
 Address 94 SW MEREDITH LANE LAKE CITY FL 32024
 Owners Name David J. Mate Phone 618-410-7168
 911 Address 194 SW MEREDITH LANE LAKE CITY, FL 32024
 Contractors Name Self Phone _____
 Address _____

Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address _____
 Mortgage Lenders Name & Address _____

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energa

Property ID Number 22-45-16-03090-312 Estimated Cost of Construction 17,000
 Subdivision Name Blaine Estates Lot 12 Block _____ Unit _____ Phase _____

Driving Directions RT 247 (Barnwood Hwy) to RT 242 turn Left. Travel Approx 1.5 miles and turn Left into Blaine Estates. Follow to stop sign turn Right onto Buchanan. Follow until 3rd Road on Right (No Street Sign) make Right (white house Black shutters) Shrubbery

Type of Construction Shed Building Number of Existing Dwellings on Property 1
 Total Acreage _____ Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Driv
 Actual Distance of Structure from Property Lines - Front 20' Side 14' Side 28' Rear 20'
 Total Building Height _____ Number of Stories 1 Heated Floor Area none Roof Pitch 12/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
 COUNTY OF COLUMBIA



CRISTA THOMAS
 Notary Public, State of Florida
 My comm. expires Feb. 14, 2010
 No. DD 493925

Contractor Signature
 Contractors License Number
 Competency Card Number
 NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me

this 3 day of July 2007

Personally known _____ or Produced Identification _____

Notary Signature

NOTORIZED DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

- ☐ Single Family Dwelling
☐ Farm Outbuilding

☐ Two-Family Residence

☒ Other Garage/Carport Concrete
Stairs, driveway, Ranch

NEW CONSTRUCTION OR IMPROVEMENT

☐ New Construction

☒ Addition, Alteration, Modification or other Improvement

I DANIEL J. MATE, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

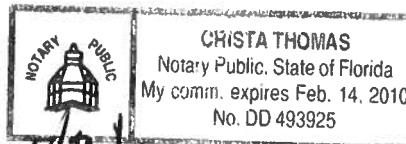
[Signature]
Owner/Builder Signature

03 July 07
Date

The above signer is personally known to me or produced identification [Signature]

[Signature]
Notary Signature

7/3/07
Date



(Stamp / Seal)

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date _____ Building Official/Representative _____

Warranty Deed

ATS #16259

THIS WARRANTY DEED made the 14th day May, A.D., 2007

COPY

By, Daniel Crapps and L. James Cherry, as Trustees of 242 Land Trust dated November 14, 1996

hereinafter called the grantor, to

David J. Mate, and his wife, Diana L. Mate

whose post office address is: 13461 South CR-10A, Lake City, FL 32055

hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, allens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz: Parcel ID# R03090-012

Lot 12, of Blaine Estates, Phase III, a subdivision according to the plat thereof recorded in Plat Book 8, Page 132-134, of the public records of Columbia County, Florida.

The above described property does not constitute the homestead property of the grantor(s) hereinabove.

TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2006.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Traci Landry
Witness as to Daniel Crapps:

Daniel Crapps, Trustee

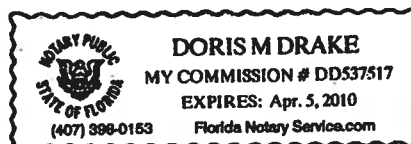
Doris M Drake
Witness as to Daniel Crapps:

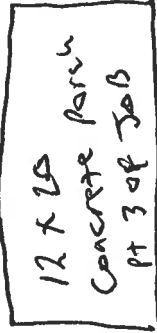
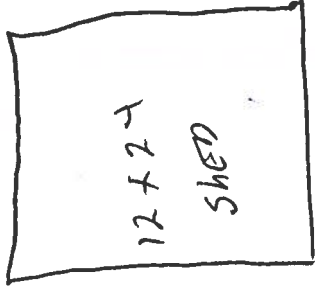
STATE OF FLORIDA
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 14th day of May, 2007 by Daniel Crapps, as Trustee of 242 Land Trust dated November 14, 1996, personally known to me or, if not personally known to me, who produced Driver's License No. _____ for identification and who did not take an oath.

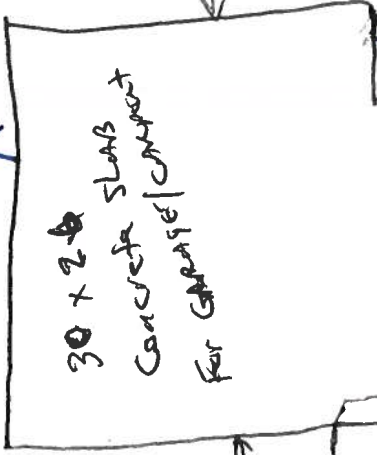
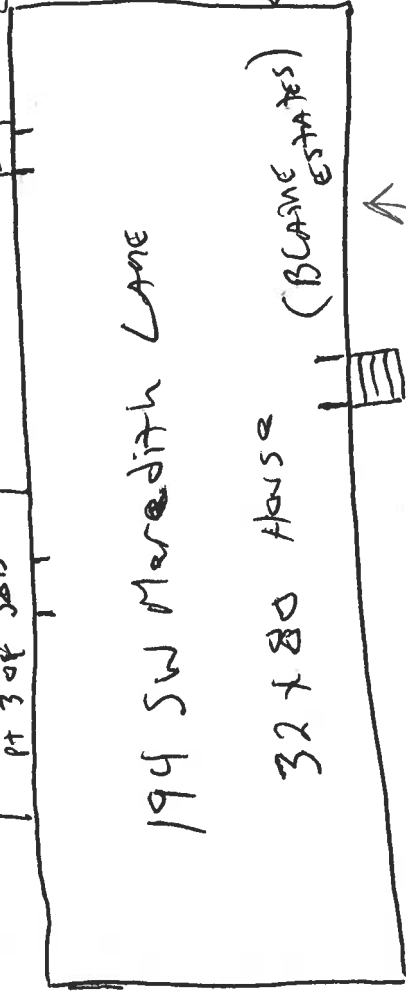
Doris M Drake
Notary Public

(Notary Seal)





59' 7 1/2"



28'

5 feet

59'

Concrete Driveway
pt 2 of Job

50'

50 feet

EXISTING DRIVEWAY

ROAD

**METAL CARPORT INSTALLATION PLANS AND DETAILS
AND
FRAMING AND FASTENER SPECIFICATIONS**

**FOR CONSTRUCTION IN THE
STATE OF FLORIDA**

PREPARED FOR:

**Carolina Carports, Inc.
P.O. Box 1263
Dobson, North Carolina 27017**

PREPARED BY:

Bechtol Engineering and Testing, Inc.
Certificate of Authorization No. 00005492


Thomas Bechtol, P.E.
Florida License No. 38538

FILE COPY

TABLE 1 - BOW FRAME AND PANEL FASTENER SPACING SPECIFICATIONS

WIND EXPOSURE CATEGORY	BASIC WIND SPEED 3-SECOND GUST (MPH)	MAXIMUM BOW SPACING (FEET)	MAXIMUM FASTENER SPACING ON-CENTERS ALONG BOWS (INCHES)	
			INTERIOR BOWS	END BOWS
B	100	5.0	8	8
	110	5.0	8	8
	120	5.0	8	8
	130	5.0	8	8
	140	4.0	8	6
	150	3.5	8	6
C	100	5.0	8	8
	110	5.0	8	8
	120	4.5	8	6
	130	4.0	8	6
	140	3.5	8	4
	150	3.0	8	4

NOTES:

1. Specifications applicable to 29 gauge metal panels fastened directly to 12 or 14 gauge steel tube bow frames.
2. Fasteners consist of 1/4"-14 x 1" self drilling screws.
3. Specifications applicable only for mean roof height of 15 feet or less, and roof slope of 14 degrees (3/12 pitch). Spacing requirements for other roof heights and/or slopes may vary.

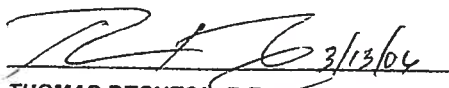
TABLE 2 - END POST AND END WALL PANEL FASTENER SPACING SPECIFICATIONS

WIND EXPOSURE CATEGORY	BASIC WIND SPEED 3-SECOND GUST (MPH)	MAXIMUM END POST SPACING (FEET)	MAXIMUM FASTENER SPACING ON-CENTERS ALONG END POSTS (INCHES)
B OR C	100 TO 150	4.0	8

NOTES:

1. Specifications applicable to 29 gauge metal panels fastened directly to 12 or 14 gauge steel tube end posts.
2. Fasteners consist of 1/4"-14 x 1" self drilling screws.
3. Specifications applicable only for mean roof height of 15 feet or less. Spacing requirements for other roof heights may vary.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE 2004 FLORIDA BUILDING CODE.


 THOMAS BECHTOL, P.E.
 FLORIDA LICENSE NO. 38538

METAL CARPORT ROOF AND SIDE PANEL FASTENER SPECIFICATIONS
(EXPOSURE CATEGORY B / 100 MPH BASIC WIND SPEED)

PREPARED FOR: CAROLINA CARPORTS, INC., P.O. BOX 1263, DOBSON, NORTH CAROLINA
PREPARED BY: THOMAS BECHTOL, P.E., FLORIDA LICENSE NO. 38538
DATE PREPARED: 02/06/06

THE FOLLOWING CALCULATIONS AND SPECIFICATIONS ARE PREPARED ONLY FOR, AND ARE CERTIFIED ONLY TO CAROLINA CARPORTS, INC. USE OF THESE CALCULATIONS AND SPECIFICATIONS BY OTHERS IS PROHIBITED UNLESS AUTHORIZED BY CAROLINA CARPORTS, INC.

MATERIAL SPECIFICATIONS:

ROOF AND SIDE PANELS: CAROLINA CARPORTS, INC. 29 GA. R-PANELS
FRAMING: 2.5" X 2.5" 12 OR 14 GAUGE STEEL TUBE BOW FRAMES
PANEL FASTENERS: 1/4"-14 X 1" SELF DRILLING SCREWS

ASSUMED DESIGN CRITERIA:

EXPOSURE CATEGORY: B
BASIC WIND SPEED: 100 MPH (3-SECOND GUST)
MEAN ROOF HEIGHT: 15 FEET MAXIMUM
ROOF ANGLE: 14 DEGREES
EFFECTIVE WIND AREA: 10 S.F.
IMPORTANCE FACTOR: 0.87
EFFECTIVE END ZONE WIDTH: 3.0'

COMPONENT AND CLADDING DESIGN WIND PRESSURE:

DESIGN UNIT LOAD (q): USE OVERHANG ZONE 2 (PER FIGURE 1609.6(c), 2004 FBC) FOR INTERIOR BOWS
USE OVERHANG ZONE 3 (PER FIGURE 1609.6(c), 2004 FBC) FOR END BOWS
FROM TABLES 1609.6C, TABLE 1609.6D (BUILDING HEIGHT AND EXPOSURE ADJUSTMENT FACTOR), AND 1604.5
(STRUCTURE IMPORTANCE FACTOR), 2004 FBC:
INTERIOR BOWS: $q = (33.5)(1.00)(0.87) = 29.1$ PSF
END BOWS: $q = (56.4)(1.00)(0.87) = 49.1$ PSF

PANEL FASTENER DESIGN CALCULATIONS:

DESIGN FASTENER: 1/4" X 1" SELF DRILLING FASTENER INTO 12 OR 14 GAUGE STEEL TUBE BOW FRAME
ALLOWABLE PULL-OUT CAPACITY = 383 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
ALLOWABLE PULL-OVER CAPACITY = 150 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
FASTENER DESIGN SHALL BE GOVERNED BY ALLOWABLE PULL-OVER CAPACITY
MANUFACTURER SPECIFIES 1 SCREW @ MAXIMUM 8" O.C. ALONG EACH BOW

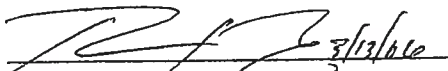
MAXIMUM ALLOWABLE BOW SPACING = $(150) / (.67)(29.1) = 7.69'$
MAXIMUM ALLOWABLE END BOW FASTENER SPACING = $(150) / (49.1)(3.0) = 1.02' = 12.2"$

DESIGN: MAXIMUM BOW SPACING = 5.0'

MAXIMUM FASTENER SPACING ALONG BOWS = 8" O.C. (INTERIOR BOWS) AND 8" O.C. (END BOWS)

THE ABOVE CALCULATIONS AND SPECIFICATIONS ARE APPLICABLE TO STRUCTURES CONSTRUCTED IN EXPOSURE CATEGORY B WITH MEAN ROOF HEIGHT OF 15 FEET OR LESS, AND WITH ROOF SLOPE OF 14 DEGREES (3/12 PITCH). REQUIREMENTS FOR OTHER EXPOSURE CATEGORIES, AND/OR ROOF HEIGHT, AND/OR ROOF SLOPES MAY VARY.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE 2004 FLORIDA BUILDING CODE.


THOMAS BECHTOL, P.E.
FLORIDA LICENSE NO. 38538

METAL CARPORT ROOF AND SIDE PANEL FASTENER SPECIFICATIONS (EXPOSURE CATEGORY B / 110 MPH BASIC WIND SPEED)

PREPARED FOR: CAROLINA CARPORTS, INC., P.O. BOX 1263, DOBSON, NORTH CAROLINA
PREPARED BY: THOMAS BECHTOL, P.E., FLORIDA LICENSE NO. 38538
DATE PREPARED: 02/06/06

THE FOLLOWING CALCULATIONS AND SPECIFICATIONS ARE PREPARED ONLY FOR, AND ARE CERTIFIED ONLY TO CAROLINA CARPORTS, INC. USE OF THESE CALCULATIONS AND SPECIFICATIONS BY OTHERS IS PROHIBITED UNLESS AUTHORIZED BY CAROLINA CARPORTS, INC.

MATERIAL SPECIFICATIONS:

ROOF AND SIDE PANELS: CAROLINA CARPORTS, INC. 29 GA. R-PANELS
FRAMING: 2.5" X 2.5" 12 OR 14 GAUGE STEEL TUBE BOW FRAMES
PANEL FASTENERS: 1/4"-14 X 1" SELF DRILLING SCREWS

ASSUMED DESIGN CRITERIA:

EXPOSURE CATEGORY: B
BASIC WIND SPEED: 110 MPH (3-SECOND GUST)
MEAN ROOF HEIGHT: 15 FEET MAXIMUM
ROOF ANGLE: 14 DEGREES
EFFECTIVE WIND AREA: 10 S.F.
IMPORTANCE FACTOR: 0.77
EFFECTIVE END ZONE WIDTH: 3.0'

COMPONENT AND CLADDING DESIGN WIND PRESSURE:

DESIGN UNIT LOAD (q): USE OVERHANG ZONE 2 (PER FIGURE 1609.6(c), 2004 FBC) FOR INTERIOR BOWS
USE OVERHANG ZONE 3 (PER FIGURE 1609.6(c), 2004 FBC) FOR END BOWS
FROM TABLES 1609.6C, TABLE 1609.6D (BUILDING HEIGHT AND EXPOSURE ADJUSTMENT FACTOR), AND 1604.5
(STRUCTURE IMPORTANCE FACTOR), 2004 FBC:
INTERIOR BOWS: $q = (40.6)(1.00)(0.77) = 31.3$ PSF
END BOWS: $q = (68.3)(1.00)(0.77) = 52.6$ PSF

PANEL FASTENER DESIGN CALCULATIONS:

DESIGN FASTENER: 1/4" X 1" SELF DRILLING FASTENER INTO 12 OR 14 GAUGE STEEL TUBE BOW FRAME
ALLOWABLE PULL-OUT CAPACITY = 383 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
ALLOWABLE PULL-OVER CAPACITY = 150 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
FASTENER DESIGN SHALL BE GOVERNED BY ALLOWABLE PULL-OVER CAPACITY
MANUFACTURER SPECIFIES 1 SCREW @ MAXIMUM 8" O.C. ALONG EACH BOW

$$\text{MAXIMUM ALLOWABLE BOW SPACING} = (150) / (.67)(31.3) = 7.15'$$


$$\text{MAXIMUM ALLOWABLE END BOW FASTENER SPACING} = (150) / (52.6)(3.0) = 0.95' = 11.4"$$

DESIGN: MAXIMUM BOW SPACING = 5.0'

MAXIMUM FASTENER SPACING ALONG BOWS = 8" O.C. (INTERIOR BOWS) AND 8" O.C. (END BOWS)

THE ABOVE CALCULATIONS AND SPECIFICATIONS ARE APPLICABLE TO STRUCTURES CONSTRUCTED IN EXPOSURE CATEGORY B WITH MEAN ROOF HEIGHT OF 15 FEET OR LESS, AND WITH ROOF SLOPE OF 14 DEGREES (3/12 PITCH). REQUIREMENTS FOR OTHER EXPOSURE CATEGORIES, AND/OR ROOF HEIGHT, AND/OR ROOF SLOPES MAY VARY.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE 2004 FLORIDA BUILDING CODE.


THOMAS BECHTOL, P.E.
FLORIDA LICENSE NO. 38538

METAL CARPORT ROOF AND SIDE PANEL FASTENER SPECIFICATIONS (EXPOSURE CATEGORY B / 120 MPH BASIC WIND SPEED)

PREPARED FOR: CAROLINA CARPORTS, INC., P.O. BOX 1263, DOBSON, NORTH CAROLINA
PREPARED BY: THOMAS BECHTOL, P.E., FLORIDA LICENSE NO. 38538
DATE PREPARED: 02/06/06

THE FOLLOWING CALCULATIONS AND SPECIFICATIONS ARE PREPARED ONLY FOR, AND ARE CERTIFIED ONLY TO CAROLINA CARPORTS, INC. USE OF THESE CALCULATIONS AND SPECIFICATIONS BY OTHERS IS PROHIBITED UNLESS AUTHORIZED BY CAROLINA CARPORTS, INC.

MATERIAL SPECIFICATIONS:

ROOF AND SIDE PANELS: CAROLINA CARPORTS, INC. 29 GA. R-PANELS
FRAMING: 2.5" X 2.5" 12 OR 14 GAUGE STEEL TUBE BOW FRAMES
PANEL FASTENERS: 1/4"-14 X 1" SELF DRILLING SCREWS

ASSUMED DESIGN CRITERIA:

EXPOSURE CATEGORY: B
BASIC WIND SPEED: 120 MPH (3-SECOND GUST)
MEAN ROOF HEIGHT: 15 FEET MAXIMUM
ROOF ANGLE: 14 DEGREES
EFFECTIVE WIND AREA: 10 S.F.
IMPORTANCE FACTOR: 0.77
EFFECTIVE END ZONE WIDTH: 3.0'

COMPONENT AND CLADDING DESIGN WIND PRESSURE:

DESIGN UNIT LOAD (q): USE OVERHANG ZONE 2 (PER FIGURE 1609.6(c), 2004 FBC) FOR INTERIOR BOWS
USE OVERHANG ZONE 3 (PER FIGURE 1609.6(c), 2004 FBC) FOR END BOWS
FROM TABLES 1609.6C, TABLE 1609.6D (BUILDING HEIGHT AND EXPOSURE ADJUSTMENT FACTOR), AND 1604.5
(STRUCTURE IMPORTANCE FACTOR), 2004 FBC:
INTERIOR BOWS: $q = (48.3)(1.00)(0.77) = 37.2$ PSF
END BOWS: $q = (81.2)(1.00)(0.77) = 62.5$ PSF

PANEL FASTENER DESIGN CALCULATIONS:

DESIGN FASTENER: 1/4" X 1" SELF DRILLING FASTENER INTO 12 OR 14 GAUGE STEEL TUBE BOW FRAME
ALLOWABLE PULL-OUT CAPACITY = 383 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
ALLOWABLE PULL-OVER CAPACITY = 150 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
FASTENER DESIGN SHALL BE GOVERNED BY ALLOWABLE PULL-OVER CAPACITY
MANUFACTURER SPECIFIES 1 SCREW @ MAXIMUM 8" O.C. ALONG EACH BOW

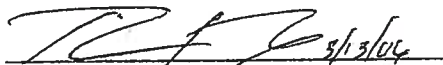
MAXIMUM ALLOWABLE BOW SPACING = $(150) / (.67)(37.2) = 6.02'$
MAXIMUM ALLOWABLE END BOW FASTENER SPACING = $(150) / (62.5)(3.0) = 0.80' = 9.6"$

DESIGN: MAXIMUM BOW SPACING = 5.0'

MAXIMUM FASTENER SPACING ALONG BOWS = 8" O.C. (INTERIOR BOWS) AND 8" O.C. (END BOWS)

THE ABOVE CALCULATIONS AND SPECIFICATIONS ARE APPLICABLE TO STRUCTURES CONSTRUCTED IN EXPOSURE CATEGORY B WITH MEAN ROOF HEIGHT OF 15 FEET OR LESS, AND WITH ROOF SLOPE OF 14 DEGREES (3/12 PITCH). REQUIREMENTS FOR OTHER EXPOSURE CATEGORIES, AND/OR ROOF HEIGHT, AND/OR ROOF SLOPES MAY VARY.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE 2004 FLORIDA BUILDING CODE.


THOMAS BECHTOL, P.E.
FLORIDA LICENSE NO. 38538

METAL CARPORT ROOF AND SIDE PANEL FASTENER SPECIFICATIONS
(EXPOSURE CATEGORY B / 130 MPH BASIC WIND SPEED)

PREPARED FOR: CAROLINA CARPORTS, INC., P.O. BOX 1263, DOBSON, NORTH CAROLINA
PREPARED BY: THOMAS BECHTOL, P.E., FLORIDA LICENSE NO. 38538
DATE PREPARED: 02/06/06

THE FOLLOWING CALCULATIONS AND SPECIFICATIONS ARE PREPARED ONLY FOR, AND ARE CERTIFIED ONLY TO CAROLINA CARPORTS, INC. USE OF TH
CALCULATIONS AND SPECIFICATIONS BY OTHERS IS PROHIBITED UNLESS AUTHORIZED BY CAROLINA CARPORTS, INC.

MATERIAL SPECIFICATIONS:

ROOF AND SIDE PANELS: CAROLINA CARPORTS, INC. 29 GA. R-PANELS

FRAMING: 2.5" X 2.5" 12 OR 14 GAUGE STEEL TUBE BOW FRAMES

PANEL FASTENERS: 1/4"-14 X 1" SELF DRILLING SCREWS

ASSUMED DESIGN CRITERIA:

EXPOSURE CATEGORY: B

BASIC WIND SPEED: 130 MPH (3-SECOND GUST)

MEAN ROOF HEIGHT: 15 FEET MAXIMUM

ROOF ANGLE: 14 DEGREES

EFFECTIVE WIND AREA: 10 S.F.

IMPORTANCE FACTOR: 0.77

EFFECTIVE END ZONE WIDTH: 3.0'

COMPONENT AND CLADDING DESIGN WIND PRESSURE:

DESIGN UNIT LOAD (q): USE OVERHANG ZONE 2 (PER FIGURE 1609.6(c), 2004 FBC) FOR INTERIOR BOWS

USE OVERHANG ZONE 3 (PER FIGURE 1609.6(c), 2004 FBC) FOR END BOWS

FROM TABLES 1609.6C, TABLE 1609.6D (BUILDING HEIGHT AND EXPOSURE ADJUSTMENT FACTOR), AND 1604.
(STRUCTURE IMPORTANCE FACTOR), 2004 FBC:

INTERIOR BOWS: $q = (56.7)(1.00)(0.77) = 43.7$ PSF

END BOWS: $q = (95.3)(1.00)(0.77) = 73.4$ PSF

PANEL FASTENER DESIGN CALCULATIONS:

DESIGN FASTENER: 1/4" X 1" SELF DRILLING FASTENER INTO 12 OR 14 GAUGE STEEL TUBE BOW FRAME

ALLOWABLE PULL-OUT CAPACITY = 383 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)

ALLOWABLE PULL-OVER CAPACITY = 150 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)

FASTENER DESIGN SHALL BE GOVERNED BY ALLOWABLE PULL-OVER CAPACITY

MANUFACTURER SPECIFIES 1 SCREW @ MAXIMUM 8" O.C. ALONG EACH BOW

MAXIMUM ALLOWABLE BOW SPACING = $(150) / (.67)(43.7) = 5.12'$

MAXIMUM ALLOWABLE END BOW FASTENER SPACING = $(150) / (73.4)(3.0) = 0.68" = 8.17"$

DESIGN: MAXIMUM BOW SPACING = 5.0'

MAXIMUM FASTENER SPACING ALONG BOWS = 8" O.C. (INTERIOR BOWS) AND 8" O.C. (END BOWS)

THE ABOVE CALCULATIONS AND SPECIFICATIONS ARE APPLICABLE TO STRUCTURES CONSTRUCTED IN EXPOSURE CATEGORY B WITH MEAN ROOF HEI
OF 15 FEET OR LESS, AND WITH ROOF SLOPE OF 14 DEGREES (3/12 PITCH). REQUIREMENTS FOR OTHER EXPOSURE CATEGORIES, AND/OR ROOF HEI
AND/OR ROOF SLOPES MAY VARY.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER,
ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE 2004 FLORIDA BUILDING CODE.


THOMAS BECHTOL, P.E.
FLORIDA LICENSE NO. 38538

METAL CARPORT ROOF AND SIDE PANEL FASTENER SPECIFICATIONS (EXPOSURE CATEGORY B / 140 MPH BASIC WIND SPEED)

PREPARED FOR: CAROLINA CARPORTS, INC., P.O. BOX 1263, DOBSON, NORTH CAROLINA
PREPARED BY: THOMAS BECHTOL, P.E., FLORIDA LICENSE NO. 38538
DATE PREPARED: 02/06/06

THE FOLLOWING CALCULATIONS AND SPECIFICATIONS ARE PREPARED ONLY FOR, AND ARE CERTIFIED ONLY TO CAROLINA CARPORTS, INC. USE OF THESE CALCULATIONS AND SPECIFICATIONS BY OTHERS IS PROHIBITED UNLESS AUTHORIZED BY CAROLINA CARPORTS, INC.

MATERIAL SPECIFICATIONS:

ROOF AND SIDE PANELS: CAROLINA CARPORTS, INC. 29 GA. R-PANELS
FRAMING: 2.5" X 2.5" 12 OR 14 GAUGE STEEL TUBE BOW FRAMES
PANEL FASTENERS: 1/4"-14 X 1" SELF DRILLING SCREWS

ASSUMED DESIGN CRITERIA:

EXPOSURE CATEGORY: B
BASIC WIND SPEED: 140 MPH (3-SECOND GUST)
MEAN ROOF HEIGHT: 15 FEET MAXIMUM
ROOF ANGLE: 14 DEGREES
EFFECTIVE WIND AREA: 10 S.F.
IMPORTANCE FACTOR: 0.77
EFFECTIVE END ZONE WIDTH: 3.0'

COMPONENT AND CLADDING DESIGN WIND PRESSURE:

DESIGN UNIT LOAD (q): USE OVERHANG ZONE 2 (PER FIGURE 1609.6(c), 2004 FBC) FOR INTERIOR BOWS
USE OVERHANG ZONE 3 (PER FIGURE 1609.6(c), 2004 FBC) FOR END BOWS
FROM TABLES 1609.6C, TABLE 1609.6D (BUILDING HEIGHT AND EXPOSURE ADJUSTMENT FACTOR), AND 1604.5
(STRUCTURE IMPORTANCE FACTOR), 2004 FBC:
INTERIOR BOWS: $q = (65.7)(1.00)(0.77) = 50.6 \text{ PSF}$
END BOWS: $q = (110.6)(1.00)(0.77) = 85.2 \text{ PSF}$

PANEL FASTENER DESIGN CALCULATIONS:

DESIGN FASTENER: 1/4" X 1" SELF DRILLING FASTENER INTO 12 OR 14 GAUGE STEEL TUBE BOW FRAME
ALLOWABLE PULL-OUT CAPACITY = 383 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
ALLOWABLE PULL-OVER CAPACITY = 150 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
FASTENER DESIGN SHALL BE GOVERNED BY ALLOWABLE PULL-OVER CAPACITY
MANUFACTURER SPECIFIES 1 SCREW @ MAXIMUM 8" O.C. ALONG EACH BOW

$$\text{MAXIMUM ALLOWABLE BOW SPACING} = (150) / (.67)(50.6) = 4.42'$$

$$\text{MAXIMUM ALLOWABLE END BOW FASTENER SPACING} = (150) / (85.2)(3.0) = 0.59' = 7.04'$$

DESIGN: MAXIMUM BOW SPACING = 4.0'

MAXIMUM FASTENER SPACING ALONG BOWS = 8" O.C. (INTERIOR BOWS) AND 6" O.C. (END BOWS)

THE ABOVE CALCULATIONS AND SPECIFICATIONS ARE APPLICABLE TO STRUCTURES CONSTRUCTED IN EXPOSURE CATEGORY B WITH MEAN ROOF HEIGHT OF 15 FEET OR LESS, AND WITH ROOF SLOPE OF 14 DEGREES (3/12 PITCH). REQUIREMENTS FOR OTHER EXPOSURE CATEGORIES, AND/OR ROOF HEIGHT, AND/OR ROOF SLOPES MAY VARY.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE 2004 FLORIDA BUILDING CODE.


THOMAS BECHTOL, P.E.
FLORIDA LICENSE NO. 38538

METAL CARPORT ROOF AND SIDE PANEL FASTENER SPECIFICATIONS (EXPOSURE CATEGORY B / 150 MPH BASIC WIND SPEED)

PREPARED FOR: CAROLINA CARPORTS, INC., P.O. BOX 1263, DOBSON, NORTH CAROLINA
PREPARED BY: THOMAS BECHTOL, P.E., FLORIDA LICENSE NO. 38538
DATE PREPARED: 02/06/06

THE FOLLOWING CALCULATIONS AND SPECIFICATIONS ARE PREPARED ONLY FOR, AND ARE CERTIFIED ONLY TO CAROLINA CARPORTS, INC. USE OF THESE CALCULATIONS AND SPECIFICATIONS BY OTHERS IS PROHIBITED UNLESS AUTHORIZED BY CAROLINA CARPORTS, INC.

MATERIAL SPECIFICATIONS:

ROOF AND SIDE PANELS: CAROLINA CARPORTS, INC. 29 GA. R-PANELS
FRAMING: 2.5" X 2.5" 12 OR 14 GAUGE STEEL TUBE BOW FRAMES
PANEL FASTENERS: 1/4"-14 X 1" SELF DRILLING SCREWS

ASSUMED DESIGN CRITERIA:

EXPOSURE CATEGORY: B
BASIC WIND SPEED: 150 MPH (3-SECOND GUST)
MEAN ROOF HEIGHT: 15 FEET MAXIMUM
ROOF ANGLE: 14 DEGREES
EFFECTIVE WIND AREA: 10 S.F.
IMPORTANCE FACTOR: 0.77
EFFECTIVE END ZONE WIDTH: 3.0'

COMPONENT AND CLADDING DESIGN WIND PRESSURE:

DESIGN UNIT LOAD (q): USE OVERHANG ZONE 2 (PER FIGURE 1609.6(c), 2004 FBC) FOR INTERIOR BOWS
USE OVERHANG ZONE 3 (PER FIGURE 1609.6(c), 2004 FBC) FOR END BOWS
FROM TABLES 1609.6C, TABLE 1609.6D (BUILDING HEIGHT AND EXPOSURE ADJUSTMENT FACTOR), AND 1604.5
(STRUCTURE IMPORTANCE FACTOR), 2004 FBC:
INTERIOR BOWS: $q = (75.5)(1.00)(0.77) = 58.1$ PSF
END BOWS: $q = (126.9)(1.00)(0.77) = 97.7$ PSF

PANEL FASTENER DESIGN CALCULATIONS:

DESIGN FASTENER: 1/4" X 1" SELF DRILLING FASTENER INTO 12 OR 14 GAUGE STEEL TUBE BOW FRAME
ALLOWABLE PULL-OUT CAPACITY = 383 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
ALLOWABLE PULL-OVER CAPACITY = 150 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
FASTENER DESIGN SHALL BE GOVERNED BY ALLOWABLE PULL-OVER CAPACITY
MANUFACTURER SPECIFIES 1 SCREW @ MAXIMUM 8" O.C. ALONG EACH BOW

$$\text{MAXIMUM ALLOWABLE BOW SPACING} = (150) / (.67)(58.1) = 3.85'$$

$$\text{MAXIMUM ALLOWABLE END BOW FASTENER SPACING} = (150) / (.97.7)(3.0) = 0.51" = 6.14"$$

DESIGN: MAXIMUM BOW SPACING = 3.5'

MAXIMUM FASTENER SPACING ALONG BOWS = 8" O.C. (INTERIOR BOWS) AND 6" O.C. (END BOWS)

THE ABOVE CALCULATIONS AND SPECIFICATIONS ARE APPLICABLE TO STRUCTURES CONSTRUCTED IN EXPOSURE CATEGORY B WITH MEAN ROOF HEIGHT OF 15 FEET OR LESS, AND WITH ROOF SLOPE OF 14 DEGREES (3/12 PITCH). REQUIREMENTS FOR OTHER EXPOSURE CATEGORIES, AND/OR ROOF HEIGHT AND/OR ROOF SLOPES MAY VARY.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE 2004 FLORIDA BUILDING CODE.


THOMAS BECHTOL, P.E.
FLORIDA LICENSE NO. 38538

METAL CARPORT ROOF AND SIDE PANEL FASTENER SPECIFICATIONS (EXPOSURE CATEGORY C / 100 MPH BASIC WIND SPEED)

PREPARED FOR: CAROLINA CARPORTS, INC., P.O. BOX 1263, DOBSON, NORTH CAROLINA
PREPARED BY: THOMAS BECHTOL, P.E., FLORIDA LICENSE NO. 38538
DATE PREPARED: 02/06/06

THE FOLLOWING CALCULATIONS AND SPECIFICATIONS ARE PREPARED ONLY FOR, AND ARE CERTIFIED ONLY TO CAROLINA CARPORTS, INC. USE OF THESE CALCULATIONS AND SPECIFICATIONS BY OTHERS IS PROHIBITED UNLESS AUTHORIZED BY CAROLINA CARPORTS, INC.

MATERIAL SPECIFICATIONS:

ROOF AND SIDE PANELS: CAROLINA CARPORTS, INC. 29 GA. R-PANELS
FRAMING: 2.5" X 2.5" 12 OR 14 GAUGE STEEL TUBE BOW FRAMES
PANEL FASTENERS: 1/4"-14 X 1" SELF DRILLING SCREWS

ASSUMED DESIGN CRITERIA:

EXPOSURE CATEGORY: C
BASIC WIND SPEED: 100 MPH (3-SECOND GUST)
MEAN ROOF HEIGHT: 15 FEET MAXIMUM
ROOF ANGLE: 14 DEGREES
EFFECTIVE WIND AREA: 10 S.F.
IMPORTANCE FACTOR: 0.87
EFFECTIVE END ZONE WIDTH: 3.0'

COMPONENT AND CLADDING DESIGN WIND PRESSURE:

DESIGN UNIT LOAD (q): USE OVERHANG ZONE 2 (PER FIGURE 1609.6(c), 2004 FBC) FOR INTERIOR BOWS
USE OVERHANG ZONE 3 (PER FIGURE 1609.6(c), 2004 FBC) FOR END BOWS
FROM TABLES 1609.6C, TABLE 1609.6D (BUILDING HEIGHT AND EXPOSURE ADJUSTMENT FACTOR), AND 1604.5
(STRUCTURE IMPORTANCE FACTOR), 2004 FBC:
INTERIOR BOWS: $q = (33.5)(1.21)(0.87) = 35.3$ PSF
END BOWS: $q = (56.4)(1.21)(0.87) = 59.4$ PSF

PANEL FASTENER DESIGN CALCULATIONS:

DESIGN FASTENER: 1/4" X 1" SELF DRILLING FASTENER INTO 12 OR 14 GAUGE STEEL TUBE BOW FRAME
ALLOWABLE PULL-OUT CAPACITY = 383 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
ALLOWABLE PULL-OVER CAPACITY = 150 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
FASTENER DESIGN SHALL BE GOVERNED BY ALLOWABLE PULL-OVER CAPACITY
MANUFACTURER SPECIFIES 1 SCREW @ MAXIMUM 8" O.C. ALONG EACH BOW

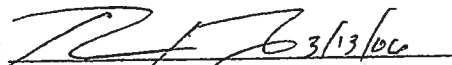
MAXIMUM ALLOWABLE BOW SPACING = $(150) / (.67)(35.3) = 6.34'$
MAXIMUM ALLOWABLE END BOW FASTENER SPACING = $(150) / (59.4)(3.0) = 0.84" = 10.1"$

DESIGN: MAXIMUM BOW SPACING = 5.0'

MAXIMUM FASTENER SPACING ALONG BOWS = 8" O.C. (INTERIOR BOWS) AND 8" O.C. (END BOWS)

THE ABOVE CALCULATIONS AND SPECIFICATIONS ARE APPLICABLE TO STRUCTURES CONSTRUCTED IN EXPOSURE CATEGORY C WITH MEAN ROOF HEIGHT OF 15 FEET OR LESS, AND WITH ROOF SLOPE OF 14 DEGREES (3/12 PITCH). REQUIREMENTS FOR OTHER EXPOSURE CATEGORIES, AND/OR ROOF HEIGHT, AND/OR ROOF SLOPES MAY VARY.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE 2004 FLORIDA BUILDING CODE.


THOMAS BECHTOL, P.E.
FLORIDA LICENSE NO. 38538

METAL CARPORT ROOF AND SIDE PANEL FASTENER SPECIFICATIONS (EXPOSURE CATEGORY C / 110 MPH BASIC WIND SPEED)

PREPARED FOR: CAROLINA CARPORTS, INC., P.O. BOX 1263, DOBSON, NORTH CAROLINA
PREPARED BY: THOMAS BECHTOL, P.E., FLORIDA LICENSE NO. 38538
DATE PREPARED: 02/06/06

THE FOLLOWING CALCULATIONS AND SPECIFICATIONS ARE PREPARED ONLY FOR, AND ARE CERTIFIED ONLY TO CAROLINA CARPORTS, INC. USE OF THESE CALCULATIONS AND SPECIFICATIONS BY OTHERS IS PROHIBITED UNLESS AUTHORIZED BY CAROLINA CARPORTS, INC.

MATERIAL SPECIFICATIONS:

ROOF AND SIDE PANELS: CAROLINA CARPORTS, INC. 29 GA. R-PANELS
FRAMING: 2.5" X 2.5" 12 OR 14 GAUGE STEEL TUBE BOW FRAMES
PANEL FASTENERS: 1/4"-14 X 1" SELF DRILLING SCREWS

ASSUMED DESIGN CRITERIA:

EXPOSURE CATEGORY: C
BASIC WIND SPEED: 110 MPH (3-SECOND GUST)
MEAN ROOF HEIGHT: 15 FEET MAXIMUM
ROOF ANGLE: 14 DEGREES
EFFECTIVE WIND AREA: 10 S.F.
IMPORTANCE FACTOR: 0.77
EFFECTIVE END ZONE WIDTH: 3.0'

COMPONENT AND CLADDING DESIGN WIND PRESSURE:

DESIGN UNIT LOAD (q): USE OVERHANG ZONE 2 (PER FIGURE 1609.6(c), 2004 FBC) FOR INTERIOR BOWS
USE OVERHANG ZONE 3 (PER FIGURE 1609.6(c), 2004 FBC) FOR END BOWS
FROM TABLES 1609.6C, TABLE 1609.6D (BUILDING HEIGHT AND EXPOSURE ADJUSTMENT FACTOR), AND 1604.5
(STRUCTURE IMPORTANCE FACTOR), 2004 FBC:
INTERIOR BOWS: $q = (40.6)(1.21)(0.77) = 37.8$ PSF
END BOWS: $q = (68.3)(1.21)(0.77) = 63.6$ PSF

PANEL FASTENER DESIGN CALCULATIONS:

DESIGN FASTENER: 1/4" X 1" SELF DRILLING FASTENER INTO 12 OR 14 GAUGE STEEL TUBE BOW FRAME
ALLOWABLE PULL-OUT CAPACITY = 383 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
ALLOWABLE PULL-OVER CAPACITY = 150 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
FASTENER DESIGN SHALL BE GOVERNED BY ALLOWABLE PULL-OVER CAPACITY
MANUFACTURER SPECIFIES 1 SCREW @ MAXIMUM 8" O.C. ALONG EACH BOW

MAXIMUM ALLOWABLE BOW SPACING = $(150) / (.67)(37.8) = 5.92'$
MAXIMUM ALLOWABLE END BOW FASTENER SPACING = $(150) / (63.6)(3.0) = 0.79" = 9.4"$

DESIGN: MAXIMUM BOW SPACING = 5.0'

MAXIMUM FASTENER SPACING ALONG BOWS = 8" O.C. (INTERIOR BOWS) AND 8" O.C. (END BOWS)

THE ABOVE CALCULATIONS AND SPECIFICATIONS ARE APPLICABLE TO STRUCTURES CONSTRUCTED IN EXPOSURE CATEGORY C WITH MEAN ROOF HEIGHT OF 15 FEET OR LESS, AND WITH ROOF SLOPE OF 14 DEGREES (3/12 PITCH). REQUIREMENTS FOR OTHER EXPOSURE CATEGORIES, AND/OR ROOF HEIGHT, AND/OR ROOF SLOPES MAY VARY.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE 2004 FLORIDA BUILDING CODE.


THOMAS BECHTOL, P.E.
FLORIDA LICENSE NO. 38538

METAL CARPORT ROOF AND SIDE PANEL FASTENER SPECIFICATIONS
(EXPOSURE CATEGORY C / 120 MPH BASIC WIND SPEED)

PREPARED FOR: CAROLINA CARPORTS, INC., P.O. BOX 1263, DOBSON, NORTH CAROLINA
PREPARED BY: THOMAS BECHTOL, P.E., FLORIDA LICENSE NO. 38538
DATE PREPARED: 02/06/06

THE FOLLOWING CALCULATIONS AND SPECIFICATIONS ARE PREPARED ONLY FOR, AND ARE CERTIFIED ONLY TO CAROLINA CARPORTS, INC. USE OF THESE CALCULATIONS AND SPECIFICATIONS BY OTHERS IS PROHIBITED UNLESS AUTHORIZED BY CAROLINA CARPORTS, INC.

MATERIAL SPECIFICATIONS:

ROOF AND SIDE PANELS: CAROLINA CARPORTS, INC. 29 GA. R-PANELS
FRAMING: 2.5" X 2.5" 12 OR 14 GAUGE STEEL TUBE BOW FRAMES
PANEL FASTENERS: 1/4"-14 X 1" SELF DRILLING SCREWS

ASSUMED DESIGN CRITERIA:

EXPOSURE CATEGORY: C
BASIC WIND SPEED: 120 MPH (3-SECOND GUST)
MEAN ROOF HEIGHT: 15 FEET MAXIMUM
ROOF ANGLE: 14 DEGREES
EFFECTIVE WIND AREA: 10 S.F.
IMPORTANCE FACTOR: 0.77
EFFECTIVE END ZONE WIDTH: 3.0'

COMPONENT AND CLADDING DESIGN WIND PRESSURE:

DESIGN UNIT LOAD (q): USE OVERHANG ZONE 2 (PER FIGURE 1609.6(c), 2004 FBC) FOR INTERIOR BOWS
USE OVERHANG ZONE 3 (PER FIGURE 1609.6(c), 2004 FBC) FOR END BOWS
FROM TABLES 1609.6C, TABLE 1609.6D (BUILDING HEIGHT AND EXPOSURE ADJUSTMENT FACTOR), AND 1604.5
(STRUCTURE IMPORTANCE FACTOR), 2004 FBC:
INTERIOR BOWS: $q = (48.3)(1.21)(0.77) = 45.0$ PSF
END BOWS: $q = (81.2)(1.21)(0.77) = 75.7$ PSF

PANEL FASTENER DESIGN CALCULATIONS:

DESIGN FASTENER: 1/4" X 1" SELF DRILLING FASTENER INTO 12 OR 14 GAUGE STEEL TUBE BOW FRAME
ALLOWABLE PULL-OUT CAPACITY = 383 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
ALLOWABLE PULL-OVER CAPACITY = 150 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
FASTENER DESIGN SHALL BE GOVERNED BY ALLOWABLE PULL-OVER CAPACITY
MANUFACTURER SPECIFIES 1 SCREW @ MAXIMUM 8" O.C. ALONG EACH BOW

$$\text{MAXIMUM ALLOWABLE BOW SPACING} = (150) / (.67)(45.0) = 4.98'$$

$$\text{MAXIMUM ALLOWABLE END BOW FASTENER SPACING} = (150) / (75.7)(3.0) = 0.66" = 7.9"$$

DESIGN: MAXIMUM BOW SPACING = 4.5'

MAXIMUM FASTENER SPACING ALONG BOWS = 8" O.C. (INTERIOR BOWS) AND 6" O.C. (END BOWS)

THE ABOVE CALCULATIONS AND SPECIFICATIONS ARE APPLICABLE TO STRUCTURES CONSTRUCTED IN EXPOSURE CATEGORY C WITH MEAN ROOF HEIGHT OF 15 FEET OR LESS, AND WITH ROOF SLOPE OF 14 DEGREES (3/12 PITCH). REQUIREMENTS FOR OTHER EXPOSURE CATEGORIES, AND/OR ROOF HEIGHT AND/OR ROOF SLOPES MAY VARY.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE 2004 FLORIDA BUILDING CODE.


THOMAS BECHTOL, P.E.
FLORIDA LICENSE NO. 38538

METAL CARPORT ROOF AND SIDE PANEL FASTENER SPECIFICATIONS (EXPOSURE CATEGORY C / 140 MPH BASIC WIND SPEED)

PREPARED FOR: CAROLINA CARPORTS, INC., P.O. BOX 1263, DOBSON, NORTH CAROLINA
PREPARED BY: THOMAS BECHTOL, P.E., FLORIDA LICENSE NO. 38538
DATE PREPARED: 02/06/06

THE FOLLOWING CALCULATIONS AND SPECIFICATIONS ARE PREPARED ONLY FOR, AND ARE CERTIFIED ONLY TO CAROLINA CARPORTS, INC. USE OF THESE CALCULATIONS AND SPECIFICATIONS BY OTHERS IS PROHIBITED UNLESS AUTHORIZED BY CAROLINA CARPORTS, INC.

MATERIAL SPECIFICATIONS:

ROOF AND SIDE PANELS: CAROLINA CARPORTS, INC. 29 GA. R-PANELS
FRAMING: 2.5" X 2.5" 12 OR 14 GAUGE STEEL TUBE BOW FRAMES
PANEL FASTENERS: 1/4"-14 X 1" SELF DRILLING SCREWS

ASSUMED DESIGN CRITERIA:

EXPOSURE CATEGORY: C
BASIC WIND SPEED: 140 MPH (3-SECOND GUST)
MEAN ROOF HEIGHT: 15 FEET MAXIMUM
ROOF ANGLE: 14 DEGREES
EFFECTIVE WIND AREA: 10 S.F.
IMPORTANCE FACTOR: 0.77
EFFECTIVE END ZONE WIDTH: 3.0'

COMPONENT AND CLADDING DESIGN WIND PRESSURE:

DESIGN UNIT LOAD (q): USE OVERHANG ZONE 2 (PER FIGURE 1609.6(c), 2004 FBC) FOR INTERIOR BOWS
USE OVERHANG ZONE 3 (PER FIGURE 1609.6(c), 2004 FBC) FOR END BOWS
FROM TABLES 1609.6C, TABLE 1609.6D (BUILDING HEIGHT AND EXPOSURE ADJUSTMENT FACTOR), AND 1604.5
(STRUCTURE IMPORTANCE FACTOR), 2004 FBC:

$$\text{INTERIOR BOWS: } q = (65.7)(1.21)(0.77) = 61.2 \text{ PSF}$$

$$\text{END BOWS: } q = (110.6)(1.21)(0.77) = 103.0 \text{ PSF}$$

PANEL FASTENER DESIGN CALCULATIONS:

DESIGN FASTENER: 1/4" X 1" SELF DRILLING FASTENER INTO 12 OR 14 GAUGE STEEL TUBE BOW FRAME
ALLOWABLE PULL-OUT CAPACITY = 383 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
ALLOWABLE PULL-OVER CAPACITY = 150 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
FASTENER DESIGN SHALL BE GOVERNED BY ALLOWABLE PULL-OVER CAPACITY
MANUFACTURER SPECIFIES 1 SCREW @ MAXIMUM 8" O.C. ALONG EACH BOW

$$\text{MAXIMUM ALLOWABLE BOW SPACING} = (150) / (.67)(61.2) = 3.66'$$

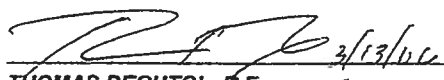
$$\text{MAXIMUM ALLOWABLE END BOW FASTENER SPACING} = (150) / (103.0)(3.0) = 0.49' = 5.8"$$

DESIGN: MAXIMUM BOW SPACING = 3.5'

MAXIMUM FASTENER SPACING ALONG BOWS = 8" O.C. (INTERIOR BOWS) AND 4" O.C. (END BOWS)

THE ABOVE CALCULATIONS AND SPECIFICATIONS ARE APPLICABLE TO STRUCTURES CONSTRUCTED IN EXPOSURE CATEGORY C WITH MEAN ROOF HEIGHT OF 15 FEET OR LESS, AND WITH ROOF SLOPE OF 14 DEGREES (3/12 PITCH). REQUIREMENTS FOR OTHER EXPOSURE CATEGORIES, AND/OR ROOF HEIGHT, AND/OR ROOF SLOPES MAY VARY.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE 2004 FLORIDA BUILDING CODE.


THOMAS BECHTOL, P.E.
FLORIDA LICENSE NO. 38538

METAL CARPORT ROOF AND SIDE PANEL FASTENER SPECIFICATIONS (EXPOSURE CATEGORY C / 130 MPH BASIC WIND SPEED)

PREPARED FOR: CAROLINA CARPORTS, INC., P.O. BOX 1263, DOBSON, NORTH CAROLINA
PREPARED BY: THOMAS BECHTOL, P.E., FLORIDA LICENSE NO. 38538
DATE PREPARED: 02/06/06

THE FOLLOWING CALCULATIONS AND SPECIFICATIONS ARE PREPARED ONLY FOR, AND ARE CERTIFIED ONLY TO CAROLINA CARPORTS, INC. USE OF THESE CALCULATIONS AND SPECIFICATIONS BY OTHERS IS PROHIBITED UNLESS AUTHORIZED BY CAROLINA CARPORTS, INC.

MATERIAL SPECIFICATIONS:

ROOF AND SIDE PANELS: CAROLINA CARPORTS, INC. 29 GA. R-PANELS
FRAMING: 2.5" X 2.5" 12 OR 14 GAUGE STEEL TUBE BOW FRAMES
PANEL FASTENERS: 1/4"-14 X 1" SELF DRILLING SCREWS

ASSUMED DESIGN CRITERIA:

EXPOSURE CATEGORY: C
BASIC WIND SPEED: 130 MPH (3-SECOND GUST)
MEAN ROOF HEIGHT: 15 FEET MAXIMUM
ROOF ANGLE: 14 DEGREES
EFFECTIVE WIND AREA: 10 S.F.
IMPORTANCE FACTOR: 0.77
EFFECTIVE END ZONE WIDTH: 3.0'

COMPONENT AND CLADDING DESIGN WIND PRESSURE:

DESIGN UNIT LOAD (q): USE OVERHANG ZONE 2 (PER FIGURE 1609.6(c), 2004 FBC) FOR INTERIOR BOWS
USE OVERHANG ZONE 3 (PER FIGURE 1609.6(c), 2004 FBC) FOR END BOWS
FROM TABLES 1609.6C, TABLE 1609.6D (BUILDING HEIGHT AND EXPOSURE ADJUSTMENT FACTOR), AND 1604.5
(STRUCTURE IMPORTANCE FACTOR), 2004 FBC:
INTERIOR BOWS: $q = (56.7)(1.21)(0.77) = 52.8$ PSF
END BOWS: $q = (95.3)(1.21)(0.77) = 88.8$ PSF

PANEL FASTENER DESIGN CALCULATIONS:

DESIGN FASTENER: 1/4" X 1" SELF DRILLING FASTENER INTO 12 OR 14 GAUGE STEEL TUBE BOW FRAME
ALLOWABLE PULL-OUT CAPACITY = 383 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
ALLOWABLE PULL-OVER CAPACITY = 150 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
FASTENER DESIGN SHALL BE GOVERNED BY ALLOWABLE PULL-OVER CAPACITY
MANUFACTURER SPECIFIES 1 SCREW @ MAXIMUM 8" O.C. ALONG EACH BOW

$$\text{MAXIMUM ALLOWABLE BOW SPACING} = (150) / (.67)(52.8) = 4.24'$$

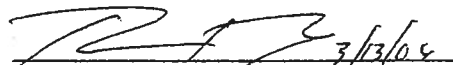
$$\text{MAXIMUM ALLOWABLE END BOW FASTENER SPACING} = (150) / (88.8)(3.0) = 0.56' = 6.8"$$

DESIGN: MAXIMUM BOW SPACING = 4.0'

MAXIMUM FASTENER SPACING ALONG BOWS = 8" O.C. (INTERIOR BOWS) AND 6" O.C. (END BOWS)

THE ABOVE CALCULATIONS AND SPECIFICATIONS ARE APPLICABLE TO STRUCTURES CONSTRUCTED IN EXPOSURE CATEGORY C WITH MEAN ROOF HEIGHT OF 15 FEET OR LESS, AND WITH ROOF SLOPE OF 14 DEGREES (3/12 PITCH). REQUIREMENTS FOR OTHER EXPOSURE CATEGORIES, AND/OR ROOF HEIGHT, AND/OR ROOF SLOPES MAY VARY.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE 2004 FLORIDA BUILDING CODE.

 3/13/06

THOMAS BECHTOL, P.E.
FLORIDA LICENSE NO. 38538

METAL CARPORT ROOF AND SIDE PANEL FASTENER SPECIFICATIONS (EXPOSURE CATEGORY C / 150 MPH BASIC WIND SPEED)

PREPARED FOR: CAROLINA CARPORTS, INC., P.O. BOX 1263, DOBSON, NORTH CAROLINA
PREPARED BY: THOMAS BECHTOL, P.E., FLORIDA LICENSE NO. 38538
DATE PREPARED: 02/06/06

THE FOLLOWING CALCULATIONS AND SPECIFICATIONS ARE PREPARED ONLY FOR, AND ARE CERTIFIED ONLY TO CAROLINA CARPORTS, INC. USE OF THESE CALCULATIONS AND SPECIFICATIONS BY OTHERS IS PROHIBITED UNLESS AUTHORIZED BY CAROLINA CARPORTS, INC.

MATERIAL SPECIFICATIONS:

ROOF AND SIDE PANELS: CAROLINA CARPORTS, INC. 29 GA. R-PANELS
FRAMING: 2.5" X 2.5" 12 OR 14 GAUGE STEEL TUBE BOW FRAMES
PANEL FASTENERS: 1/4"-14 X 1" SELF DRILLING SCREWS

ASSUMED DESIGN CRITERIA:

EXPOSURE CATEGORY: C
BASIC WIND SPEED: 150 MPH (3-SECOND GUST)
MEAN ROOF HEIGHT: 15 FEET MAXIMUM
ROOF ANGLE: 14 DEGREES
EFFECTIVE WIND AREA: 10 S.F.
IMPORTANCE FACTOR: 0.77
EFFECTIVE END ZONE WIDTH: 3.0'

COMPONENT AND CLADDING DESIGN WIND PRESSURE:

DESIGN UNIT LOAD (q): USE OVERHANG ZONE 2 (PER FIGURE 1609.6(c), 2004 FBC) FOR INTERIOR BOWS
USE OVERHANG ZONE 3 (PER FIGURE 1609.6(c), 2004 FBC) FOR END BOWS
FROM TABLES 1609.6C, TABLE 1609.6D (BUILDING HEIGHT AND EXPOSURE ADJUSTMENT FACTOR), AND 1604.5
(STRUCTURE IMPORTANCE FACTOR), 2004 FBC:
INTERIOR BOWS: $q = (75.5)(1.21)(0.77) = 70.3$ PSF
END BOWS: $q = (126.9)(1.21)(0.77) = 118.2$ PSF

PANEL FASTENER DESIGN CALCULATIONS:

DESIGN FASTENER: 1/4" X 1" SELF DRILLING FASTENER INTO 12 OR 14 GAUGE STEEL TUBE BOW FRAME
ALLOWABLE PULL-OUT CAPACITY = 383 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
ALLOWABLE PULL-OVER CAPACITY = 150 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
FASTENER DESIGN SHALL BE GOVERNED BY ALLOWABLE PULL-OVER CAPACITY
MANUFACTURER SPECIFIES 1 SCREW @ MAXIMUM 8" O.C. ALONG EACH BOW

$$\text{MAXIMUM ALLOWABLE BOW SPACING} = (150) / (.67)(70.3) = 3.18'$$

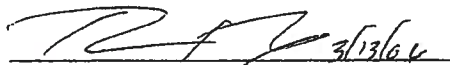
$$\text{MAXIMUM ALLOWABLE END BOW FASTENER SPACING} = (150) / (118.2)(3.0) = 0.42' = 5.1''$$

DESIGN: MAXIMUM BOW SPACING = 3.0'

MAXIMUM FASTENER SPACING ALONG BOWS = 8" O.C. (INTERIOR BOWS) AND 4" O.C. (END BOWS)

THE ABOVE CALCULATIONS AND SPECIFICATIONS ARE APPLICABLE TO STRUCTURES CONSTRUCTED IN EXPOSURE CATEGORY C WITH MEAN ROOF HEIGHT OF 15 FEET OR LESS, AND WITH ROOF SLOPE OF 14 DEGREES (3/12 PITCH). REQUIREMENTS FOR OTHER EXPOSURE CATEGORIES, AND/OR ROOF HEIGHT, AND/OR ROOF SLOPES MAY VARY.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE 2004 FLORIDA BUILDING CODE.


THOMAS BECHTOL, P.E.
FLORIDA LICENSE NO. 38538

METAL CARPORT END WALL PANEL FASTENER SPECIFICATIONS

PREPARED FOR: CAROLINA CARPORTS, INC., P.O. BOX 1263, DOBSON, NORTH CAROLINA
PREPARED BY: THOMAS BECHTOL, P.E., FLORIDA LICENSE NO. 38538
DATE PREPARED: 02/06/06

THE FOLLOWING CALCULATIONS AND SPECIFICATIONS ARE PREPARED ONLY FOR, AND ARE CERTIFIED ONLY TO CAROLINA CARPORTS, INC. USE OF THESE CALCULATIONS AND SPECIFICATIONS BY OTHERS IS PROHIBITED UNLESS AUTHORIZED BY CAROLINA CARPORTS, INC.

MATERIAL SPECIFICATIONS:

END WALL PANELS: CAROLINA CARPORTS, INC. 29 GA. R-PANELS
FRAMING: 2.5" X 2.5" 12 GAUGE STEEL TUBE END WALL POSTS
PANEL FASTENERS: 1/4"-14 X 1" SELF DRILLING SCREWS

ASSUMED DESIGN CRITERIA (WORST CASE):

EXPOSURE CATEGORY: C
BASIC WIND SPEED: 150 MPH (3-SECOND GUST)
MEAN ROOF HEIGHT: 15 FEET MAXIMUM
EFFECTIVE WIND AREA: 10 S.F.
IMPORTANCE FACTOR: 0.77

COMPONENT AND CLADDING DESIGN WIND PRESSURE:

DESIGN UNIT LOAD (q): USE WALL ZONE 5 (PER FIGURE 1609.6(c), 2004 FBC)
FROM TABLES 1609.6C, TABLE 1609.6D (BUILDING HEIGHT AND EXPOSURE ADJUSTMENT FACTOR), AND 1604.5
(STRUCTURE IMPORTANCE FACTOR), 2004 FBC:
END POSTS: $q = (54.2)(1.21)(0.77) = 50.5$ PSF

PANEL FASTENER DESIGN CALCULATIONS:

DESIGN FASTENER: 1/4" X 1" SELF DRILLING FASTENER INTO 12 GAUGE STEEL TUBE END POST
ALLOWABLE PULL-OUT CAPACITY = 383 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
ALLOWABLE PULL-OVER CAPACITY = 150 POUNDS / SCREW (INCORPORATES MINIMUM SF = 3)
FASTENER DESIGN SHALL BE GOVERNED BY ALLOWABLE PULL-OVER CAPACITY
MANUFACTURER SPECIFIES 1 SCREW @ MAXIMUM 8" O.C. ALONG EACH POST

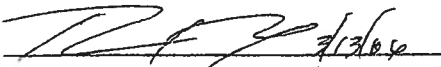
$$\text{MAXIMUM ALLOWABLE END POST SPACING} = (150) / (.67)(50.5) = 4.43'$$

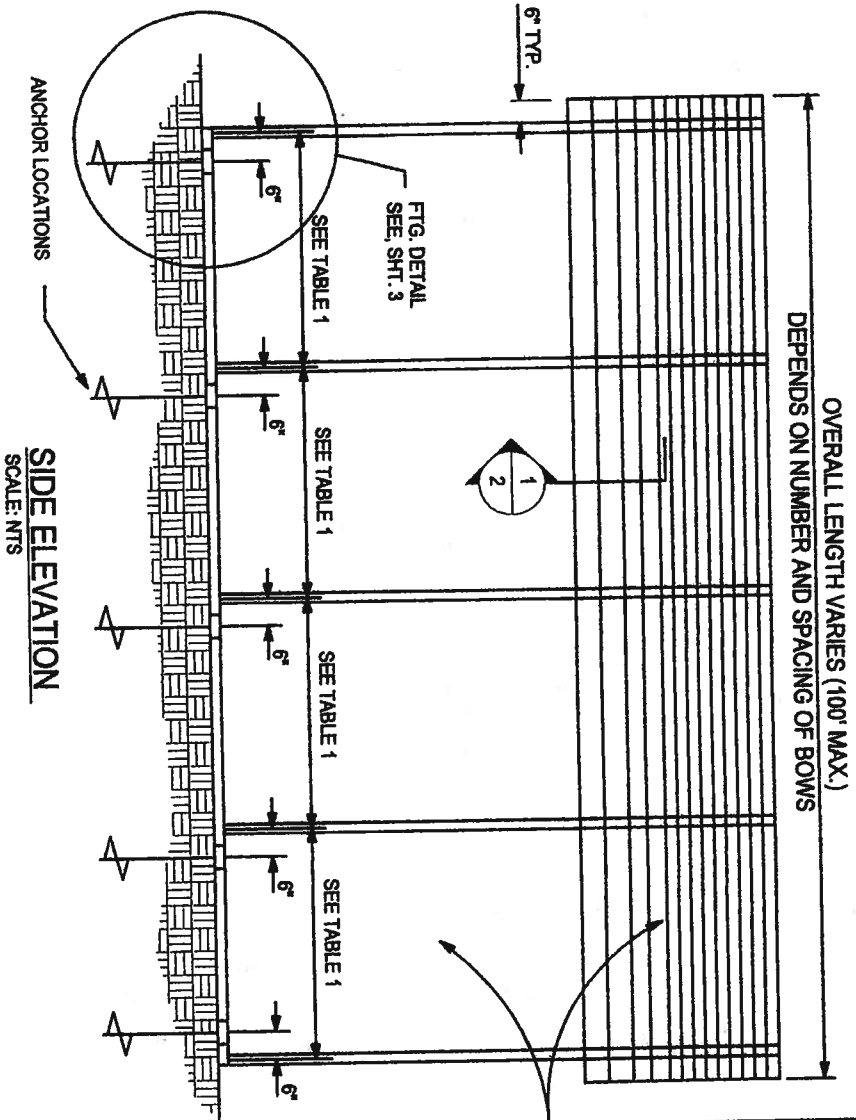
DESIGN: MAXIMUM END POST SPACING = 4.0'

MAXIMUM FASTENER SPACING ALONG POSTS = 8" O.C.

THE ABOVE CALCULATIONS AND SPECIFICATIONS ARE APPLICABLE TO STRUCTURES CONSTRUCTED IN EXPOSURE CATEGORY B OR C WITH MEAN ROOF HEIGHT OF 15 FEET OR LESS. REQUIREMENTS FOR OTHER EXPOSURE CATEGORIES, AND/OR ROOF HEIGHT MAY VARY.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE 2004 FLORIDA BUILDING CODE.


THOMAS BECHTOL, P.E.
FLORIDA LICENSE NO. 38538



CAROLINA CARPORTS INC.
P.O. BOX 1263
DOBSON, NC 27017
TOLL FREE 1-800-670-4262
LOCAL 336-367-6400
FAX 336-367-6410

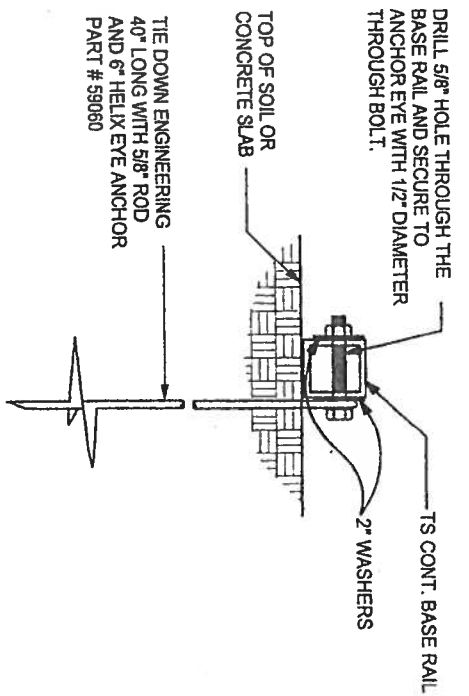
28 GAGE R-PANEL ROOFING
(OPTIONAL SIDE PANELS)

NOTES:

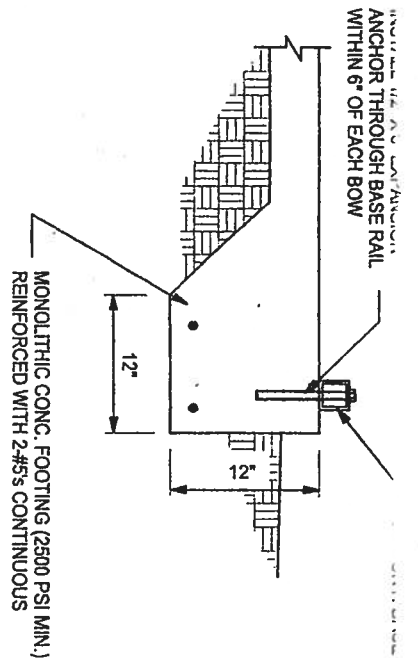
1. ALL STEEL TUBING SHALL BE 50 KSI STEEL.
2. LOCATE ANCHORS AT EACH END OF BOW.
3. FASTEN METAL ROOF PANELS TO BOW FRAME WITH 1/4" x 1" SELF DRILLING FASTENERS @ 8" O.C. MAX. (SEE TABLE 1 FOR FASTENER SPACING SPECIFICATIONS)
4. ALL FIELD CONNECTIONS SHALL BE 1/4" x 1" SELF DRILLING SCREWS
5. ALL SHOP CONNECTIONS SHALL BE WELDED.
6. THE PLANS ARE VALID UNTIL THE NEXT REVISION OF THE FLORIDA BUILDING CODE.

BECHTOL ENGINEERING AND TESTING, INC.
Certificate of Authorization No. 0005492

Thomas Bechtol 3/13/09
Thomas Bechtol, P.E.
Florida License No. 38538

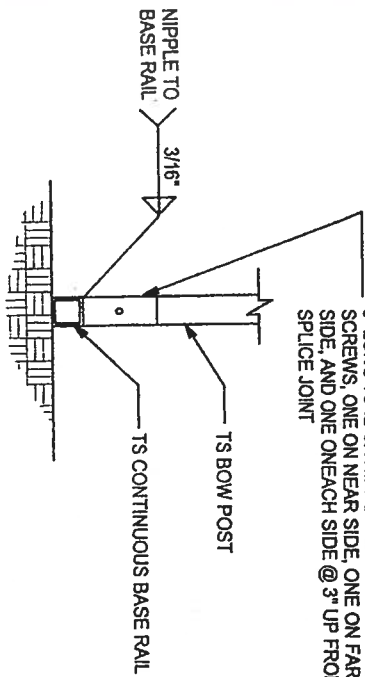


1
BASE RAIL ANCHORAGE
SCALE: 1 1/2" = 1'-0"



2
CONCRETE BASE RAIL ANCHORAGE
(OPTIONAL)
SCALE: 3/4" = 1'-0"

6" LONG TS 12 GA NIPPLE W/ 4 SELF-DRILLING SCREWS, ONE ON NEAR SIDE, ONE ON FAR SIDE, AND ONE ON EACH SIDE @ 3" UP FROM SPLICE JOINT



3
BOW/BASE RAIL CONN. DETAIL
SCALE: 3/4" = 1'-0"

NOTE:
14 GA FRAMING IS 2-1/2"x2-1/2" TUBE STEEL.
12 GA FRAMING IS 2-1/4"x2-1/4" TUBE STEEL.
NIPPLES ARE 2-1/4"x2-1/4" 12 GA T.S. FOR 14 GA FRAMING.
NIPPLES ARE 2"x2" 12 GA T.S. FOR 12 GA FRAMING.

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.

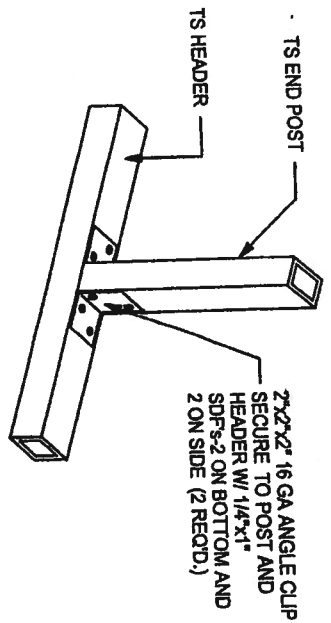
COVER OVER REINFORCING STEEL FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE:
3 INCHES IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER AND 1 1/2 INCHES ELSEWHERE. REINFORCING BARS EMBEDDED IN GROUTED CELLS SHALL HAVE A MINIMUM CLEAR DISTANCE OF 1/4 INCH FOR FINE GROUT OR 1/2 INCH FOR COARSE GROUT BETWEEN REINFORCING BARS AND ANY FACE OF A CELL. REINFORCING BARS USED IN MASONRY WALLS SHALL HAVE A MASONRY COVER (INCLUDING GROUT) OF NOT LESS THAN 2 INCHES FOR MASONRY UNITS WITH FACE EXPOSED TO EARTH OR WEATHER 1 1/2 INCHES FOR MASONRY UNITS NOT EXPOSED TO EARTH OR WEATHER REINFORCING STEEL.

THE REINFORCING STEEL SHALL BE MINIMUM GRADE 40.

GALVANIZATION:
METAL ACCESSORIES FOR USE IN EXTERIOR WALL CONSTRUCTION AND NOT DIRECTLY EXPOSED TO THE WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153, CLASS B-2. METAL PLATE CONNECTORS, SCREWS, BOLTS AND NAILS EXPOSED DIRECTLY TO THE WEATHER SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED.

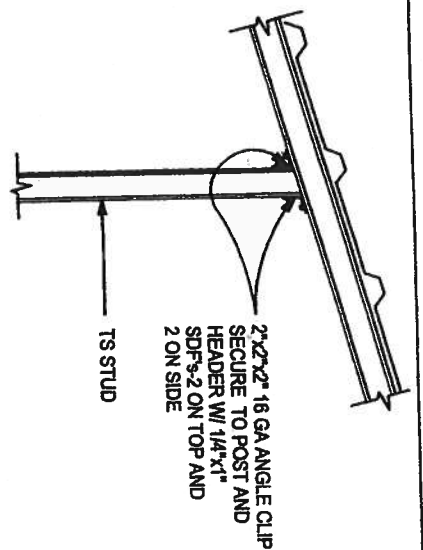
REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:

1. ALL REINFORCEMENT IS BENT COLD.
 2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS AND
 3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.
- EXCEPTION: WHERE BENDING IS NECESSARY TO ALIGN DOWEL BARS WITH A VERTICAL CELL, BARS PARTIALLY EMBEDDED IN CONCRETE SHALL BE PERMITTED TO BE BENT AT A SLOPE OF NOT MORE THAN 1 INCH OF HORIZONTAL DISPLACEMENT TO 6 INCHES OF VERTICAL BAR LENGTH.

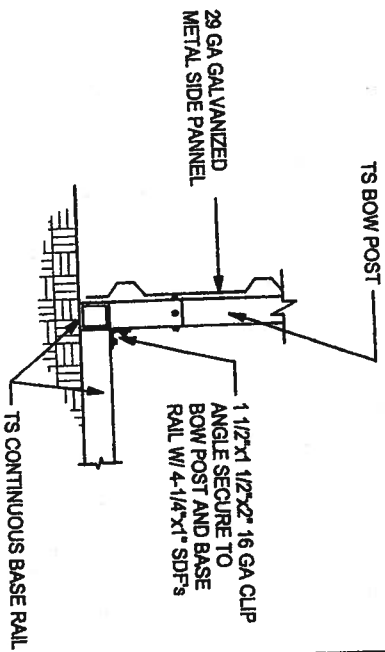


1
NTS
END POST TO HEADER/RAIL CONN.

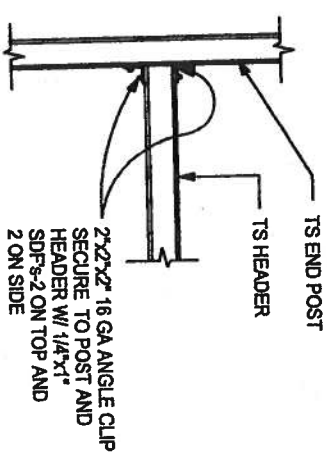
NOTE:
14 GA FRAMING IS 2-1/2"x2-1/2" TUBE STEEL.
12 GA FRAMING IS 2-1/4"x2-1/4" TUBE STEEL.
NIPPLES ARE 2-1/4"x2-1/4" 12 GA T.S. FOR 14 GA FRAMING.
NIPPLES ARE 2"x2" 12 GA T.S. FOR 12 GA FRAMING.



2
SCALE: 3/4" = 1'-0"
END POST/BOW CONN. DETAIL



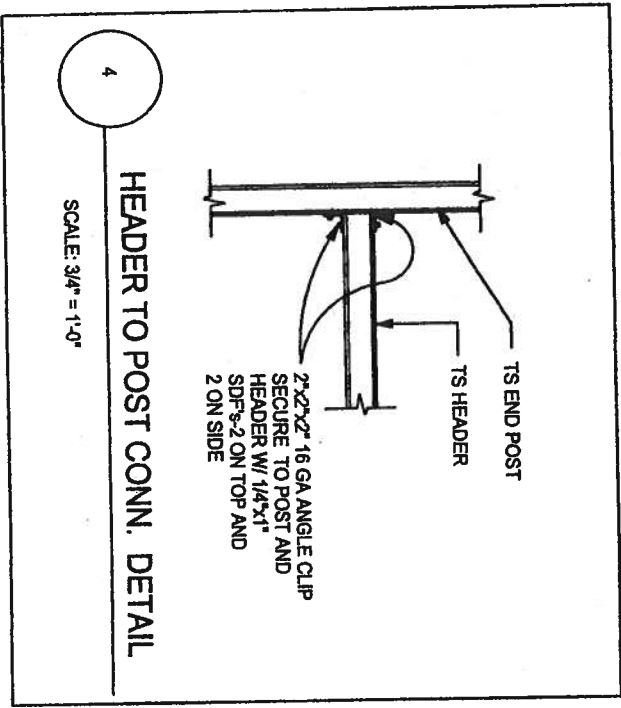
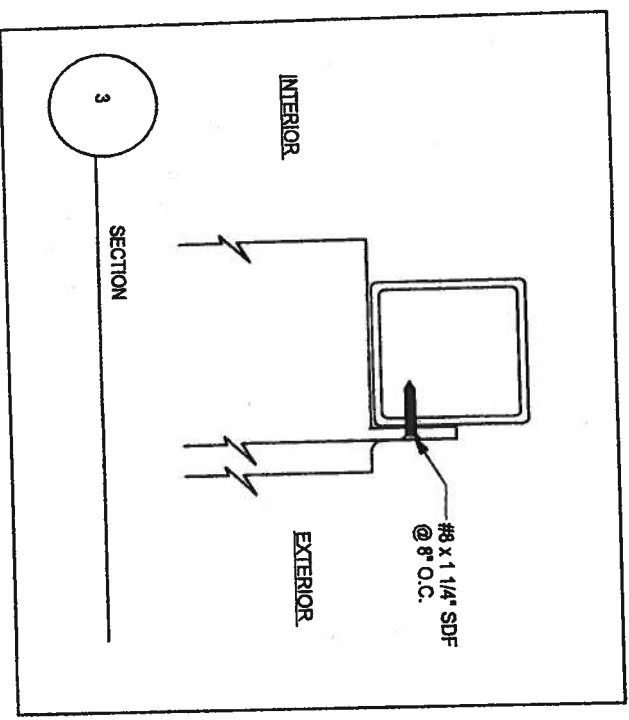
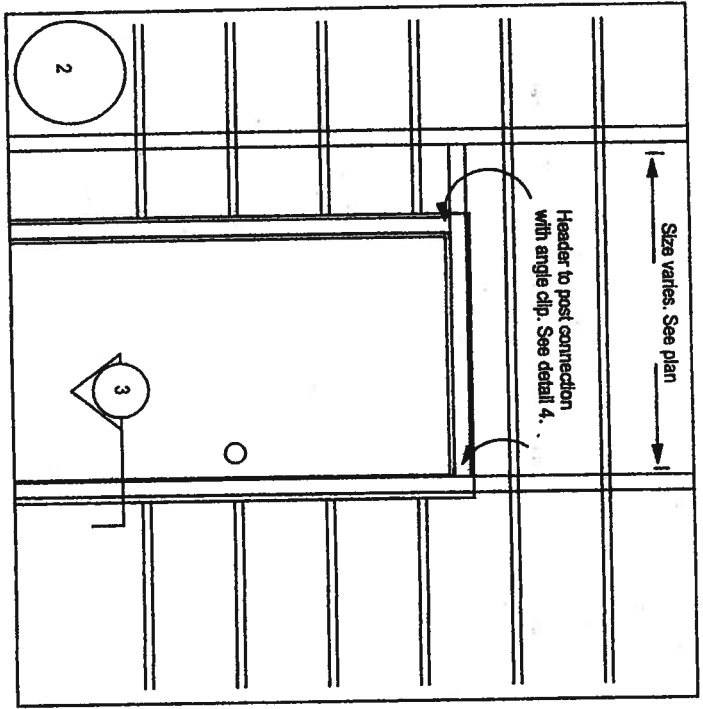
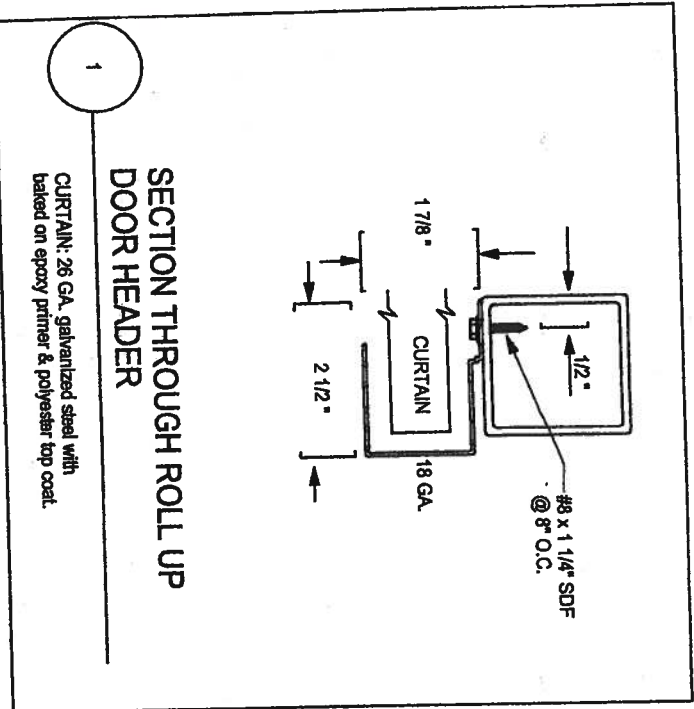
3
SCALE: 3/4" = 1'-0"
END BOW/BASE RAIL CONN.



4
SCALE: 3/4" = 1'-0"
HEADER TO POST CONN. DETAIL

BECHTOL ENGINEERING AND TESTING, INC.
Certificate of Authorization No. 00005492

Thomas Bechtol, P.E.
Florida License No. 38538



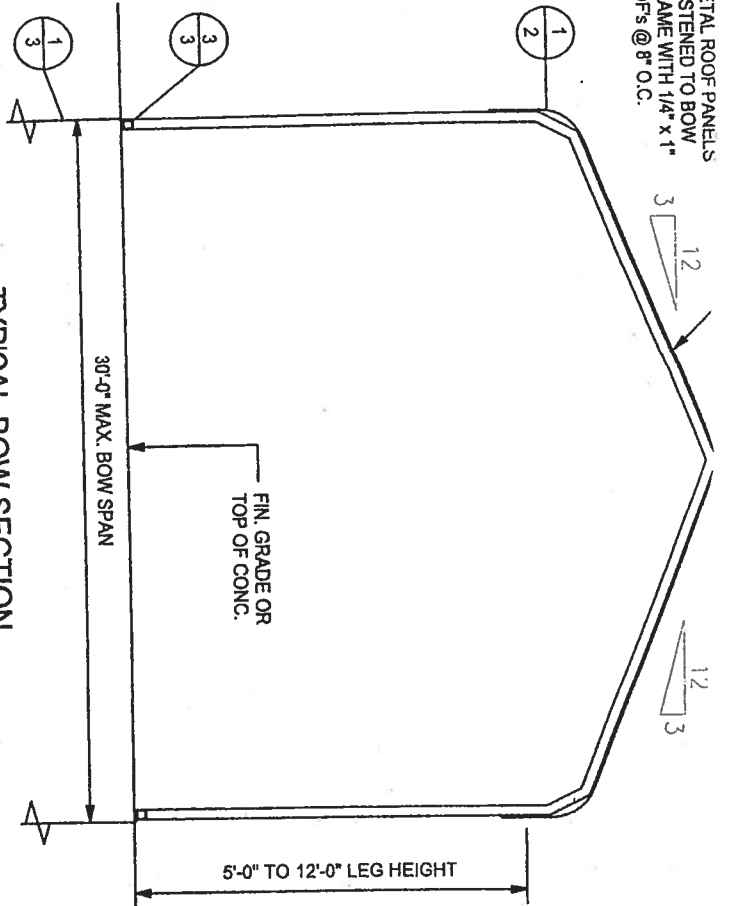
BECHTOL ENGINEERING AND TESTING, INC.
Certificate of Authorization No. 00005492

Thomas Bechtol 3/13/06

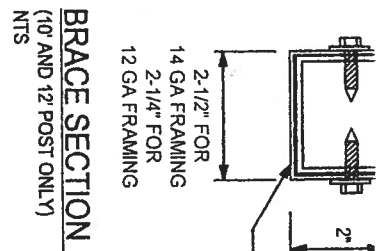
Thomas Bechtol, P.E.
Florida License No. 38538

NOTE:
14 GA FRAMING IS 2-1/2"x2-1/2" TUBE STEEL.
12 GA FRAMING IS 2-1/4"x2-1/4" TUBE STEEL.
NIPPLES ARE 2-1/4"x2-1/4" 12 GA T.S. FOR 14 GA FRAMING.
NIPPLES ARE 2"x2" 12 GA T.S. FOR 12 GA FRAMING.

METAL ROOF PANELS
FASTENED TO BOW
FRAME WITH 1/4" x 1"
SDFs @ 8" O.C.

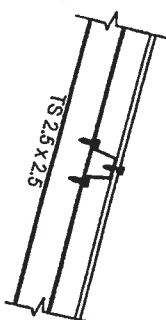


TYPICAL BOW SECTION
SCALE: NTS

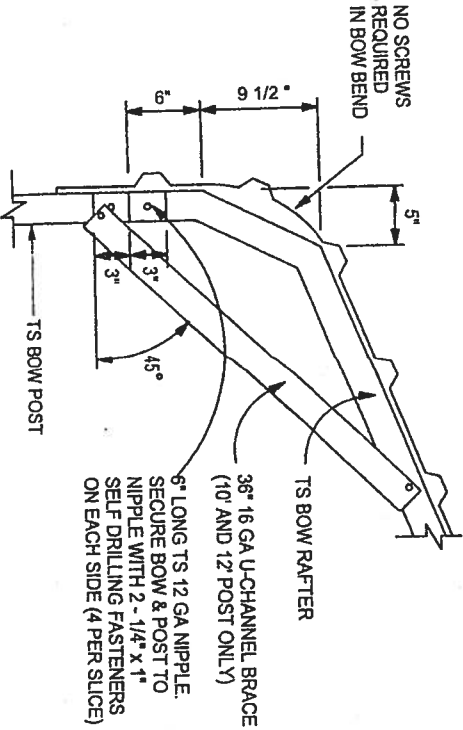


3'-0" 16 GAUGE
U-CHANNEL BRACE
FASTENED TO THE LEG
AND BOW POSITIONED
AT 45 DEGREES
W/ 2 - 1/4" x 1" SELF
DRILLING SCREWS
AT EACH END
(4 PER BRACE)

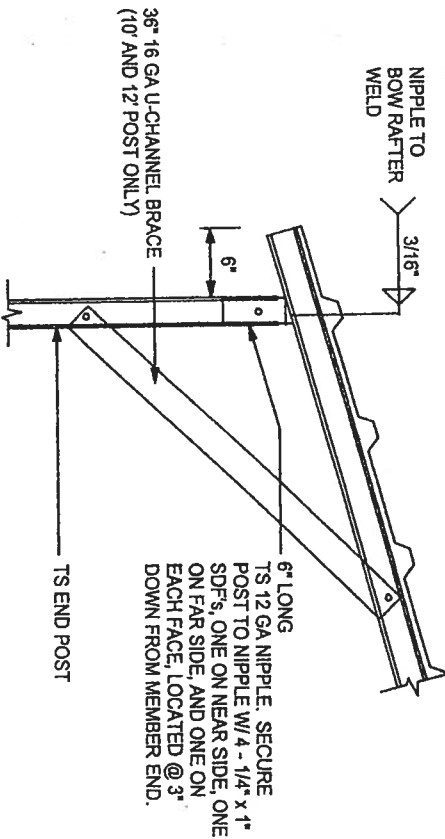
1 1/2" 18 GAGE FURRING CHANNEL
FASTENED TO EACH BOW WITH
(2) 1/4" x 1" SELF DRILLING FASTENER
SPACED NOT MORE THAN 4'-0" O.C.



ROOF PANEL ATTACHMENT
(ALTERNATE FOR VERTICAL ROOF PANELS)
SCALE: 1" = 1'-0"



BOW/POST DETAIL
SCALE: 3/4" = 1'-0"



BOW/POST DETAIL
SCALE: 3/4" = 1'-0"

(BOXED EAVE OPTION)

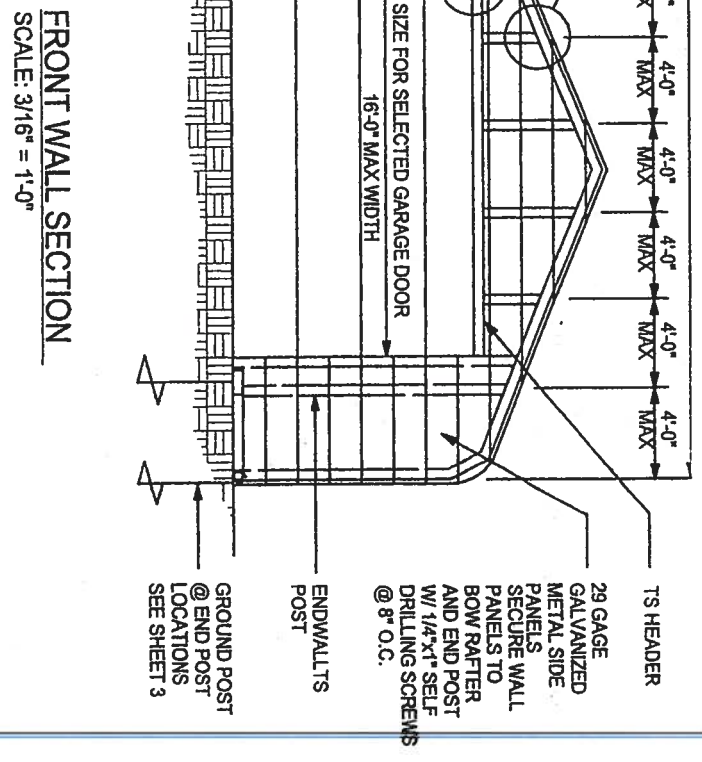
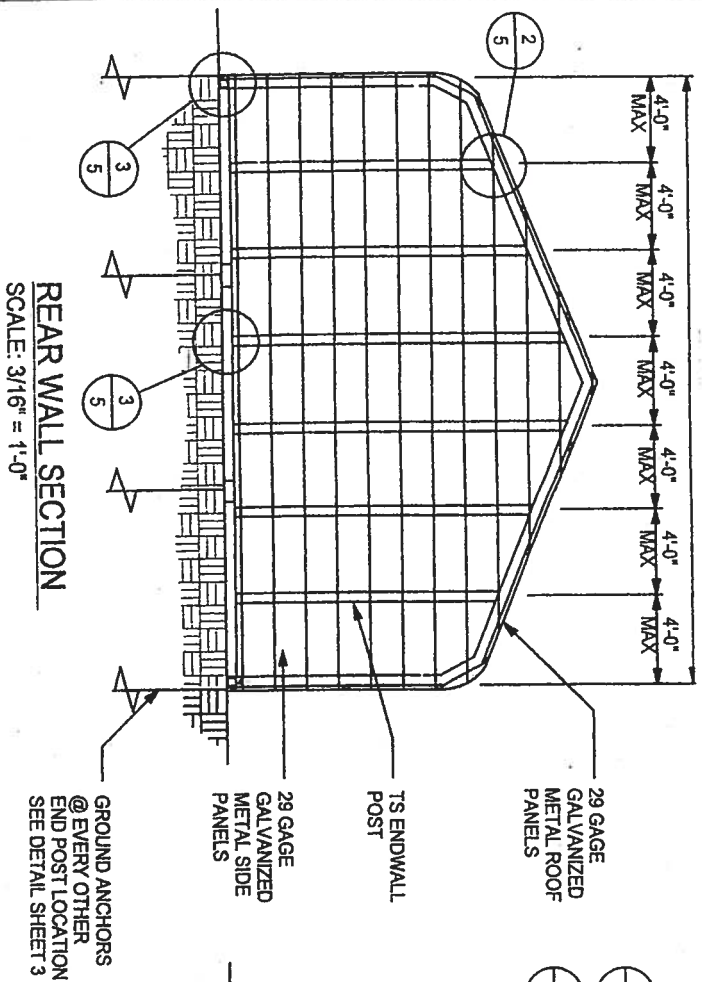
NOTE:

14 GA FRAMING IS 2-1/2"x2-1/2" TUBE STEEL.
12 GA FRAMING IS 2-1/4"x2-1/4" TUBE STEEL.
NIPPLES ARE 2-1/4"x2-1/4" 12 GA T.S. FOR 14 GA FRAMING.
NIPPLES ARE 2"x2" 12 GA T.S. FOR 12 GA FRAMING.

BECHTOL ENGINEERING AND TESTING, INC.
Certificate of Authorization No. 00005492

Thomas Bechtol, P.E.
Florida License No. 38538

3/13/02



REAR WALL SECTION
SCALE: 3/16" = 1'-0"

FRONT WALL SECTION
SCALE: 3/16" = 1'-0"

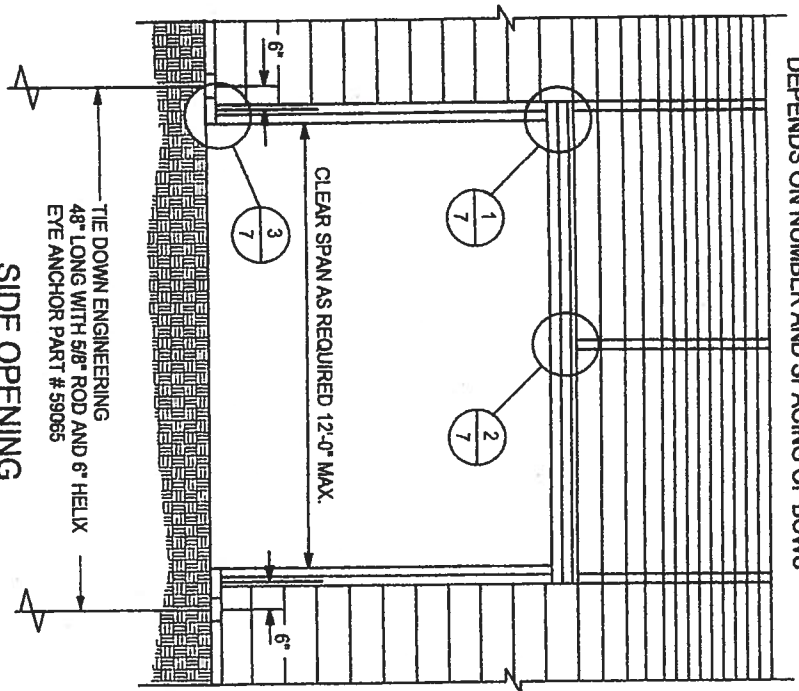
NOTE:
14 GA FRAMING IS 2-1/2"x2-1/2" TUBE STEEL.
12 GA FRAMING IS 2-1/4"x2-1/4" TUBE STEEL.
NIPPLES ARE 2-1/4"x2-1/4" 12 GA T.S. FOR 14 GA FRAMING.
NIPPLES ARE 2"x2" 12 GA T.S. FOR 12 GA FRAMING.

NOTE:
EXTERIOR WINDOWS AND GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND BEAR AN AAMA OR WDMA OR OTHER APPROVED LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT EVALUATION ENTITY TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF THE FOLLOWING SPECIFICATION:
ANSI/AAMA/NWDA 101/IS2 297
THE CONSTRUCTION SHALL BE TESTED IN ACCORDANCE WITH ASTM E 330, STANDARD TEST METHODS FOR STRUCTURAL PERFORMANCE OF EXTERIOR WINDOWS, CURTAIN WALLS, AND DOORS BY UNIFORM STATIC AIR PRESSURE.

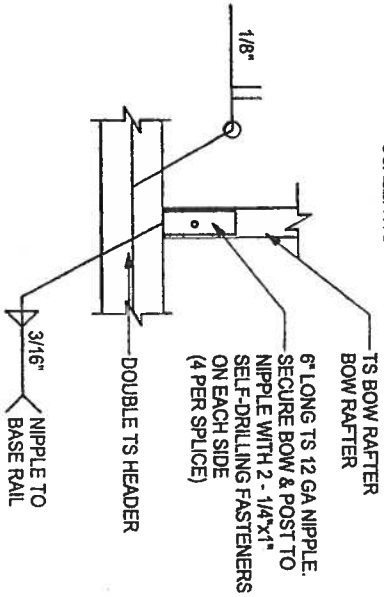
CARPORT WIDTH	MAX DOOR WIDTH
16'	8'
18'	10'
20'	12'
22'	12'
24'	16'
26'	16'
28'	16'
30'	16'

BECHTOL ENGINEERING AND TESTING, INC.
Certificate of Authorization No. 00005492
3/13/06
Thomas Bechtol, P.E.
Florida License No. 38538

OVERALL LENGTH VARIES (100' MAX.)
DEPENDS ON NUMBER AND SPACING OF BOWS



SIDE OPENING
SCALE: NTS

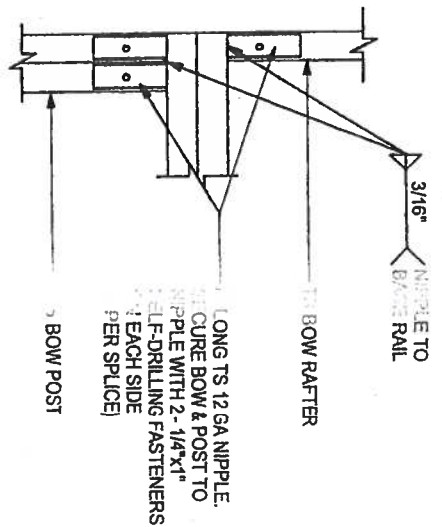


BOW/HEADER DETAIL

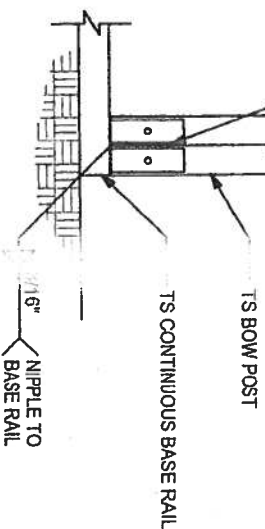
2
SCALE: 3/4" = 1'-0"

BOW/POST DETAIL

1
SCALE: 3/4" = 1'-0"



6" LONG TS 12 GA NIPPLE W/ 4 SELF-DRILLING SCREWS, ONE ON NEAR SIDE, ONE ON FAR SIDE AND ONE ON EACH SIDE @ 3" UP FROM SPLICE JOINT



BOW/BASE RAIL CONN. DETAIL

3
SCALE: 3/4" = 1'-0"

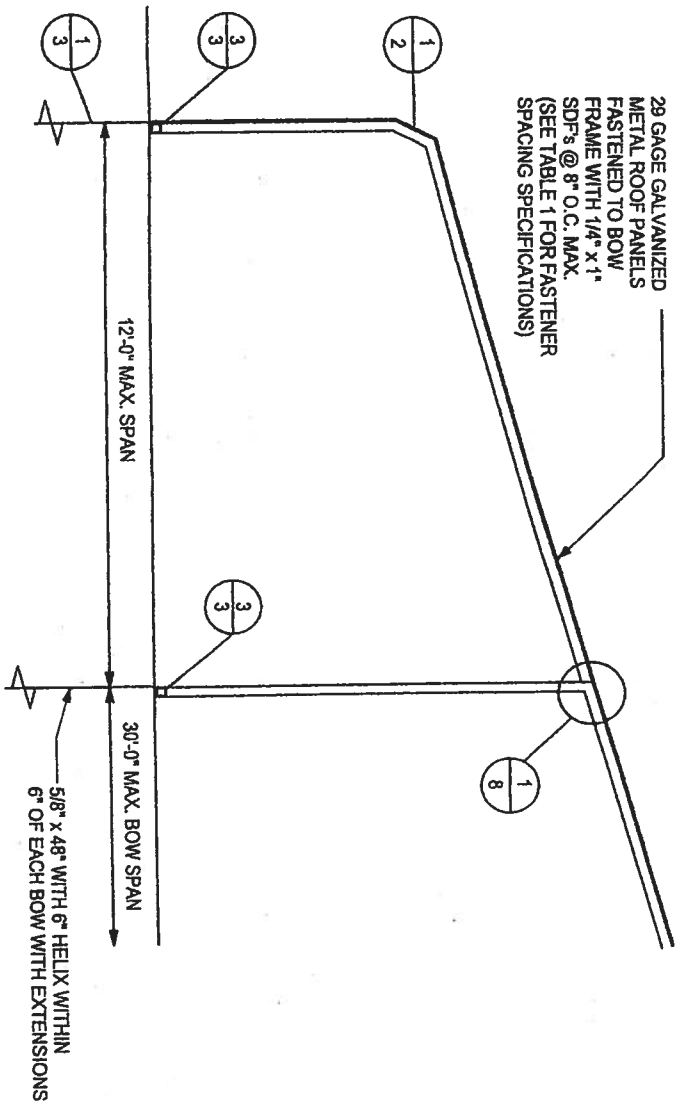
NOTE:

14 GA FRAMING IS 2-1/2"x2-1/2" TUBE STEEL.

12 GA FRAMING IS 2-1/4"x2-1/4" TUBE STEEL.

10 GA FRAMING IS 2-1/4"x2-1/4" TUBE STEEL.

29 GAGE GALVANIZED
METAL ROOF PANELS
FASTENED TO BOW/
FRAME WITH 1/4" x 1"
SDF's @ 8" O.C. MAX.
(SEE TABLE 1 FOR FASTENER
SPACING SPECIFICATIONS)



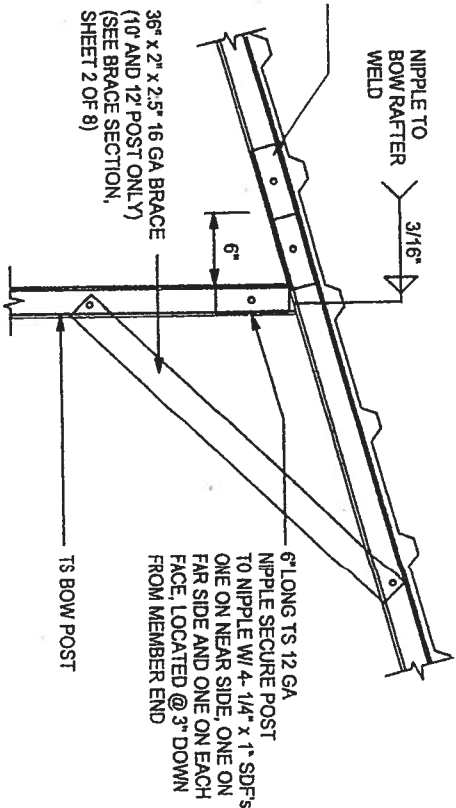
NOTE:
14 GA FRAMING IS 2-1/2"x2-1/2" TUBE STEEL.
12 GA FRAMING IS 2-1/4"x2-1/4" TUBE STEEL.
NIPPLES ARE 2-1/4"x2-1/4" 12 GA T.S. FOR 14 GA FRAMING.
NIPPLES ARE 2"x2" 12 GA T.S. FOR 12 GA FRAMING.

TYPICAL SIDE EXTENSION SECTION

SCALE: NTS

12" LONG TS 12 GA
NIPPLE SECURE POST
TO NIPPLE W/ 4- 1/4" x 1" SDF's
ONE ON NEAR SIDE, ONE ON
FAR SIDE AND ONE ON EACH
FACE, LOCATED @ 3" DOWN
FROM MEMBER END

36" x 2" x 2.5" 16 GA BRACE
(10" AND 12 POST ONLY)
(SEE BRACE SECTION,
SHEET 2 OF 8)



BOW/POST DETAIL

SCALE: 3/4" = 1'-0"

3/13/06

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and
in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of
Commencement.

IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE
RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number 22-45-16-03090-312 Permit Number

1. Description of property: (legal description of the property and street address or 911 address)

194 SW MERIDITH LANE CAKE CITY, FL 32024

LOT 12 OF BEANE ESTATES, PHASE III, A SUBDIVISION ACCORDING TO THE PLAT
THAT IS RECORDED IN PLAT BOOK 8

2. General description of improvement: CONCRETE SLAB (30' x 26') FOR STEEL GARAGE/CARPORT
PURCHASED FROM PERMIT. DRIVEWAY AND 20' x 12' CONCRETE PORCH OFF BACK

3. Owner Name & Address DAVID J. MATE 194 SW MERIDITH LANE
CAKE CITY FL 32024 Interest in Property

4. Name & Address of Fee Simple Owner (if other than owner): DAVID J. MATE

5. Contractor Name NA Phone Number
Address

6. Surety Holders Name
Address

Inst: 200712014816 Date: 7/3/2007 Time: 2:34 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 1

Amount of Bond

7. Lender Name EQUITY ONE MORTGAGE Phone Number 352 3322406
Address

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be
served as provided by section 718.13 (1)(a) 7; Florida Statutes:

Name Phone Number
Address

9. In addition to himself/herself the owner designates of
 to receive a copy of the Lien Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of
recording, (Unless a different date is specified)

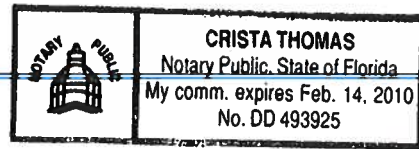
THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN
IN HIS/HER STEAD.

Signature of Owner

Sworn to (or affirmed) and subscribed before day of JULY 3, 2007.

Signature of Notary

NOTARY STAMP/SEAL



SALESMAN

2465 Colquitt Hwy.
P.O. Box 667
Colquitt, Ga. 39837
Toll Free:
Local:
Fax:

(888) 242-5022
(229) 243-2444
(229) 243-0422



Carolina
Carports,
Inc.

Corporate Office
P.O. Box 1263
187 Cardinal Ridge Tr.
Dobson NC, 27017
Email: cci@carolinacarportsinc.com
Web: www.carolinacarportsinc.com

DEALER <u>Robb</u>		Dealer Phone No. <u>754-1818</u>		Date <u>5-19-07</u>
CUSTOMER NAME <u>DAGUE MFC</u>		COUNTY		TAX % (Where Delivered)
ADDRESS <u>13461 SC Rd 1014</u>		CITY <u>LAKE CRYSTAL</u>		STATE <u>FL</u> ZIP <u>32957</u>
PHONE: WORK ()		HOME (804) <u>236-4644</u>		OTHER (618) <u>410-7168</u>
UNIT SIZE	<u>18x26</u>	HT.	GA.	
COLOR	<u>White</u>	TRIM	<u>White</u>	
OPTIONS	<u>Box eave</u> <u>10' eaves</u> <u>Close side</u> <u>Close ends / tubular</u> <u>1-9x8</u> <u>1 entry</u> <u>2 windows</u> <u>w/</u> <u>12x26x8</u> <u>Box eave</u> <u>Close ends</u> <u>h/j/k</u>			
Price		<u>4897.75</u>		
Tax		<u>342.81</u>		
Subtotal		<u>5240.06</u>		
10% Down Payment Before Tax		<u>587.67</u>		
Total				
Additional Labor Charge				
Balance due at installation				
NOTE: FRAME 1 FT. SHORTER THAN ROOF LENGTH				
Roof Style	Regular <input type="checkbox"/>	Boxed Eave <input type="checkbox"/>	Vertical <input type="checkbox"/>	
Installation Type	Cement <input type="checkbox"/>	Ground <input type="checkbox"/>	Asphalt <input type="checkbox"/>	Other <input type="checkbox"/>
Power Available	Yes <input type="checkbox"/> No <input type="checkbox"/>	Uncertified <input type="checkbox"/>	Certified <input type="checkbox"/>	

BINDING PURCHASE CONTRACT

This purchase agreement (the "Agreement") is made by and between Carolina Carports, Inc. ("CCI"), a North Carolina corporation, and _____ (the "Buyer").

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

#26054

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JF104376 Company Phone No. 386-785-3811
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: David Matz Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 194 S.W. Meridian Ln. Lake City, FL 32055

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside _____ Inside _____ Type of Fill _____

Section 4: Treatment Information

Date(s) of Treatment(s) 7.26.07
Brand Name of Product(s) Used Bifen
EPA Registration No. 53843-189
Approximate Final Mix Solution % 1.00
Approximate Size of Treatment Area: Sq. ft. 720 Linear ft. _____ Linear ft. of Masonry Voids _____
Approximate Total Gallons of Solution Applied 72
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) Steve Brunner Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature [Signature] Date 7.26.07

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

FL#	PRODUCT DESCRIPTION	MODEL NUMBER	WIND EXP. CAT.	BASIC WIND SPEED	FBC WIND PRESSURES (psf)	DESIGN PRESSURES (psf)	MEETS FBC REQ.
1722.1	ELJXIR INDUSTRIES SWINGING EXTERIOR DOOR MAXIMUM 36" WIDE X 80" HIGH VINYL STEEL OUT-SWINGING DOOR WITH MAXIMUM 14" X 14" WINDOW	402-10 402-14	B	100	18.0 -24.1	54.6 -54.6	YES
				110	21.8 -29.1		YES
				120	25.9 -34.7		YES
				130	30.4 -40.7		YES
				140	35.3 -47.2		YES
				150	40.5 -54.2		YES
			C	120	33.4 -44.8		YES
				130	39.2 -52.5		YES
				140	45.5 -60.9		NO
				150	52.2 -69.9		NO

FL#	PRODUCT DESCRIPTION	MODEL NUMBER	WIND EXP. CAT.	BASIC WIND SPEED	FBC WIND PRESSURES (psf)	DESIGN PRESSURES (psf)	MEETS FBC REQ.
3727.1	ASTA DOOR CORPORATION ROLL-UP EXTERIOR DOOR MAXIMUM 10' WIDE X 10' HIGH STEEL ROLL-UP DOOR	203	B	100	18.0 -24.1	76.1 -76.1	YES
				110	21.8 -29.1		YES
				120	25.9 -34.7		YES
				130	30.4 -40.7		YES
				140	35.3 -47.2		YES
				150	40.5 -54.2		YES
			C	120	33.4 -44.8		YES
				130	39.2 -52.5		YES
				140	45.5 -60.9		YES
				150	52.2 -69.9		YES

FL#	PRODUCT DESCRIPTION	MODEL NUMBER	WIND EXP. CAT.	BASIC WIND SPEED	FBC WIND PRESSURES (psf)	DESIGN PRESSURES (psf)	MEETS FBC REQ.
3912.1 3912.2	US DOOR AND BUILDING COMPONENTS ROLL-UP EXTERIOR DOOR MAXIMUM 8' WIDE X 8' HIGH STEEL ROLL-UP DOOR (MODEL 501); MAXIMUM 10' WIDE X 10' HIGH STEEL ROLL-UP DOOR (MODEL 652)	501 652	B	100	18.0 -24.1	30.0 -30.0	YES
				110	21.8 -29.1		YES

TABLE 1 - BOW FRAME AND PANEL FASTENER SPACING SPECIFICATIONS

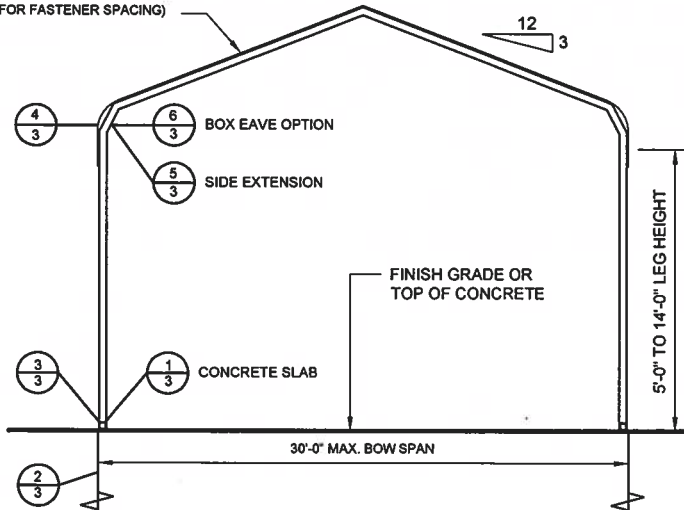
WIND EXPOSURE CATEGORY	BASIC WIND SPEED 3-SECOND GUST (MPH)	MAXIMUM BOW SPACING (FEET)	MAXIMUM FASTENER SPACING ON-CENTERS ALONG BOWS (INCHES)	
			INTERIOR BOWS	END BOWS
B	100	5.0	8	8
	110	5.0	8	8
	120	5.0	8	8
	130	5.0	8	8
	140	4.0	8	6
	150	3.5	8	6
C	100	5.0	8	8
	110	5.0	8	8
	120	4.0	8	8
	130	4.0	8	6
	140	3.0	8	4
	150	3.0	8	4
NOTES: 1. Specifications applicable to 29 or 26 gauge metal panels fastened directly 10 12 or 14 gauge steel tube bow frames. 2. Fasteners consist of 1/4"-14X1" self-drilling screws with control seal washer. 3. Specifications applicable only for mean roof height of 20 feet or less, and roof slopes of 14° (3:12 pitch). Spacing requirements for other roof heights and/or slopes may vary.				

TABLE 2 - END POST AND END WALL PANEL FASTENER SPACING SPECIFICATIONS

WIND EXPOSURE CATEGORY	BASIC WIND SPEED 3-SECOND GUST (MPH)	MAXIMUM END POST SPACING (FEET)	MAXIMUM FASTENER SPACING ON-CENTERS ALONG END POSTS (INCHES)
B OR C	100 TO 150	4.0	8
NOTES: 1. Specifications applicable to 29 or 26 gauge metal panels fastened directly 10 12 or 14 gauge steel tube bow frames. 2. Fasteners consist of 1/4"-14X1" self-drilling screws with control seal washer. 3. Specifications applicable only for mean roof height of 20 feet or less, and roof slopes of 14° (3:12 pitch). Spacing requirements for other roof heights and/or slopes may vary.			

FILE COPY

29 OR 26 GA. GALVANIZED METAL ROOF PANELS
FASTENED TO BOW FRAME WITH 1/4" x 1" SDF's
WITH CONTROL SEAL WASHER.
(SEE TABLE 1 FOR FASTENER SPACING)

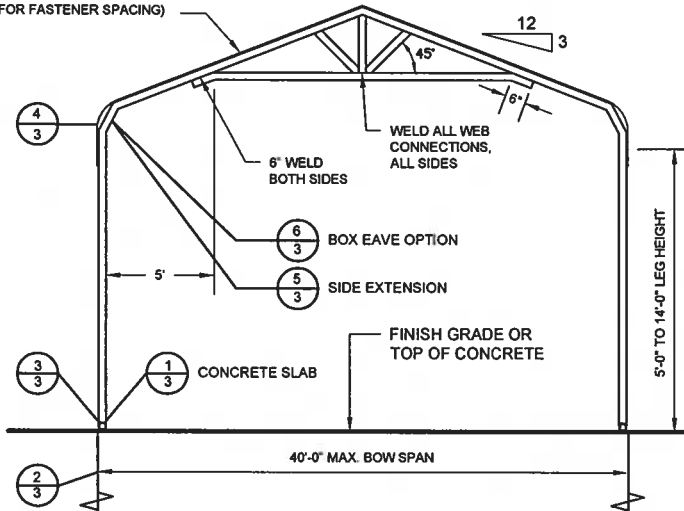


TYPICAL BOW SECTION

Not To Scale

ANCHORS NOT REQUIRED WITH
CONCRETE SLAB CONSTRUCTION
(SEE DETAIL 1, SHEET 3 OF 4)

29 OR 26 GA. GALVANIZED METAL ROOF PANELS
FASTENED TO BOW FRAME WITH 1/4" x 1" SDF's
WITH CONTROL SEAL WASHER.
(SEE TABLE 1 FOR FASTENER SPACING)

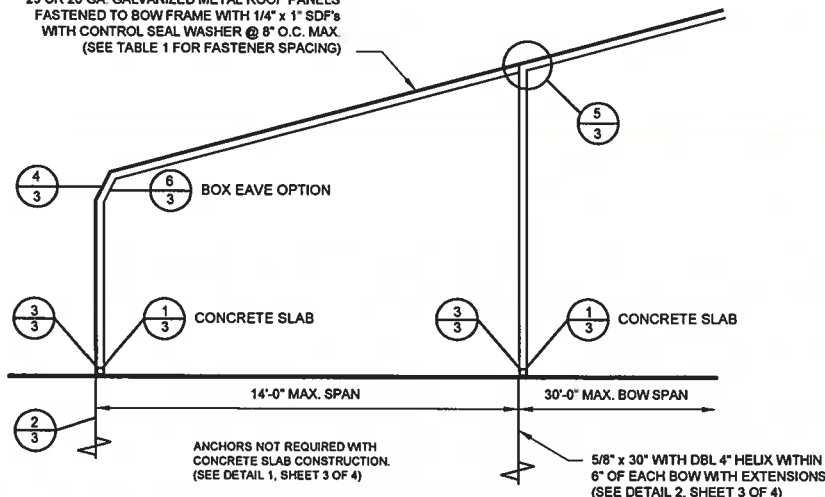


TRUSSED BOW SECTION

Not To Scale

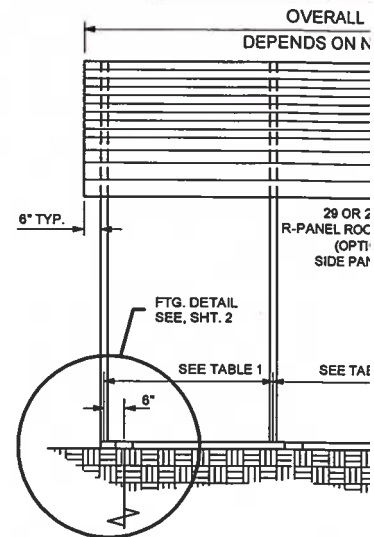
ANCHORS NOT REQUIRED WITH
CONCRETE SLAB CONSTRUCTION
(SEE DETAIL 1, SHEET 3 OF 4)

29 OR 26 GA. GALVANIZED METAL ROOF PANELS
FASTENED TO BOW FRAME WITH 1/4" x 1" SDF's
WITH CONTROL SEAL WASHER @ 8" O.C. MAX.
(SEE TABLE 1 FOR FASTENER SPACING)



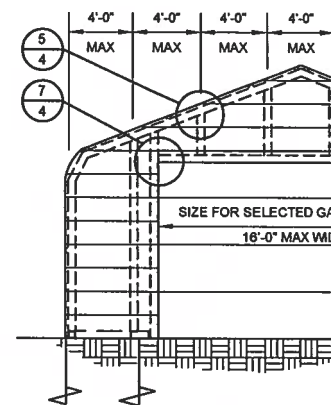
TYPICAL SIDE EXTENTION SECTION

Not To Scale



ANCHORS NOT REQUIRED WITH
CONCRETE SLAB CONSTRUCTION
(SEE DETAIL 1, SHEET 3 OF 4)

Not To Scale



FRONT WALL SECTION

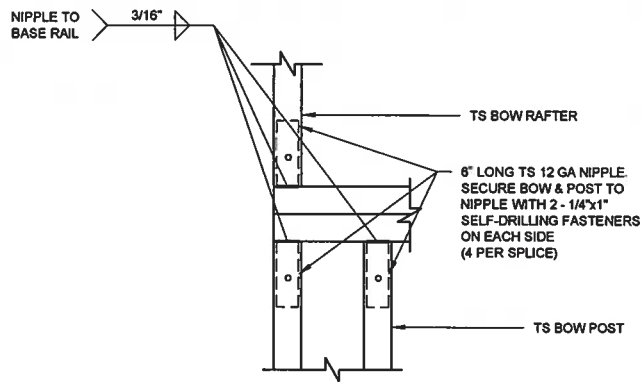
Not To Scale

NOTE:
EXTERIOR WINDOWS AND GLASS DOORS SHALL BE
INDEPENDENT TESTING LABORATORY, AND BEAR
OTHER APPROVED LABEL IDENTIFYING THE MANUFACTURER'S
CHARACTERISTICS AND APPROVED PRODUCT EVALUATION.
INDICATE COMPLIANCE WITH THE REQUIREMENTS OF THE
SPECIFICATION:

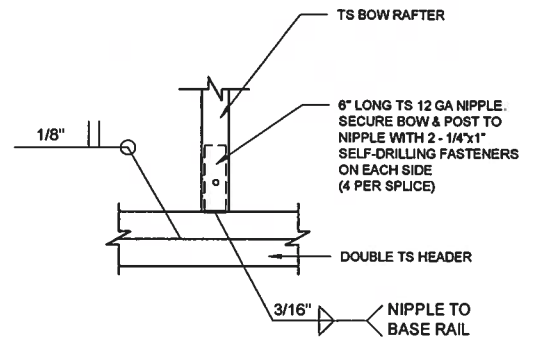
ANSI/AAMA/NWWDA 101/IS2 2/97
THE CONSTRUCTION SHALL BE TESTED IN ACCORDANCE WITH
STANDARD TEST METHODS FOR STRUCTURAL PERFORMANCE OF
WINDOWS, CURTAIN WALLS, AND DOORS BY UNIFORM

GENERAL NOTES:

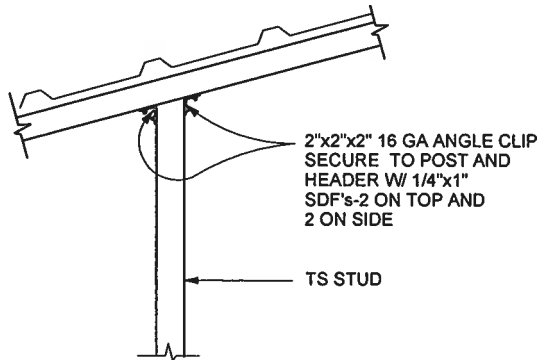
1. ALL STEEL TUBING SHALL BE 100% WELDED.
2. LOCATE ANCHORS AT EACH END OF BOW.
3. FASTEN METAL ROOF AND WALL PANELS WITH 1/4" x 1" SELF DRILLING TAPPING SCREWS @ 8" O.C. MAX. (SEE TABLES 1 AND 2 FOR FASTENER SPACING).
4. ALL FIELD CONNECTIONS SHALL BE WELDED.
5. ALL SHOP CONNECTIONS SHALL BE WELDED.
6. THE PLANS ARE VALID UNTIL THE NEXT BUILDING CODE.



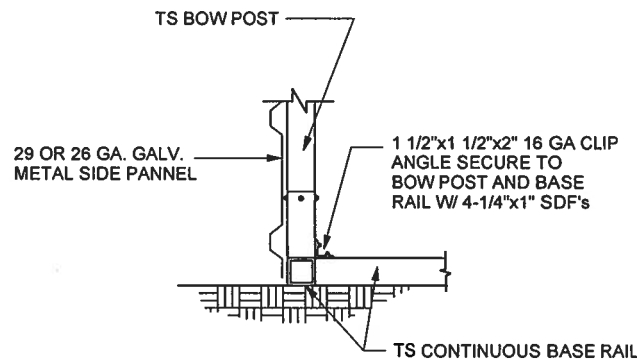
1 BOW/POST DETAIL
Not To Scale



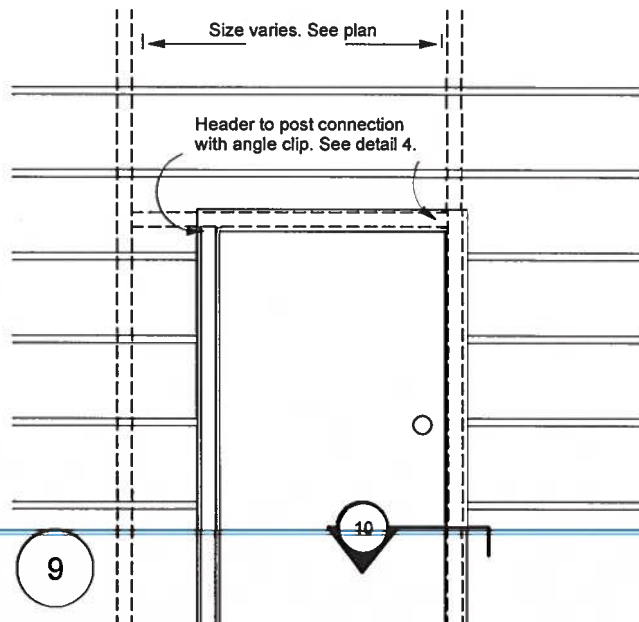
2 BOW/HEADER DETAIL
Not To Scale



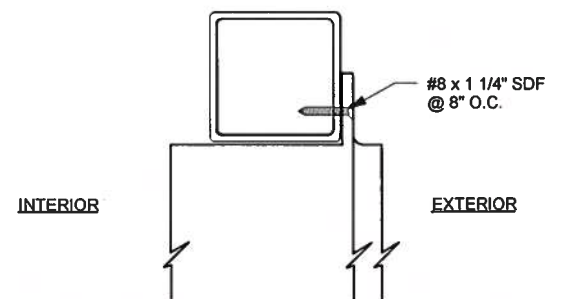
5 END POST/BOW CONN. DETAIL
Not To Scale



6 END BOW/BASE RAIL CONN.
Not To Scale



9



10 SECTION
Not To Scale