

-----  
ADDRESS . . : 44 WILLIAM BETHUNE CT  
CONTRACTOR : WILLIAM P JACKSON  
OWNER . . . : BFT BUILDERS INC #18  
PARCEL . . . : 01-0544- - -0012- -18-  
APPL NUMBER: 08-50019596 CP NEW RESIDENTIAL (SFD)  
DIRECTIONS : CAROLINA OAKS #18-401S RT ON ELLIOTT  
BRIDGE RD RT ON WILL LUCAS RD S/D ON RT  
ON CAROLINA OAKS CIRCLE RT ON WILLIAM  
BETHUNE CIRCLE LOT ON RT.JD  
-----

SUBDIV: CAROLINA OAKS 64 LOTS  
PHONE : (910) 433-4337  
PHONE : (910) 433-4337

-----  
**STRUCTURE: 000 000 44X50 3BR W/GARAGE (02)**

FLOOD ZONE . . . . : FLOOD ZONE X  
# BEDROOMS . . . . : 3.00  
SEPTIC - EXISTING? . . . . : NEW

PROPOSED USE . . . . . : SFD  
WATER SUPPLY . . . . . : UNKNOWN  
-----

-----  
**PERMIT: CPSF 00 CP \* SFD**

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
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B101 01	10/23/09 <u>10/23/09</u>	TI <u>AR DJ</u>	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001840685
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COMMENTS AND NOTES  
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PROPOSED USE . . . . . : SFD.  
WATER SUPPLY . . . . . : UNKNOWN  
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**PERMIT: CPSF 00 CP \* SFD**

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	10/23/09	DT	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001840685
	10/23/09	AP	
B103 01	11/20/09	TI	R*BLDG FOUND & TEMP SVC POLE VRU #: 001852995
	<i>11/20/09</i>	<i>DA DE</i>	

----- COMMENTS AND NOTES -----  
-----

Application number, type	08 50019596 CP NEW RESIDENTIAL (SFD)
Property address	44 WILLIAM BETHUNE CT

Entire top of footer must be clean of debris, mortar, dirt etc. so projection and bed joint can be properly inspected.

T/S: 11/20/2009 12:43 PM DETAYLOR -----



OK	Exit	Cancel	Copy	Insert	Delete	Time stamp	User defaults
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Harnett County

INSPECTOR: IVR

DATE 11/30/09

-----

ADDRESS . . : 44 WILLIAM BETHUNE CT  
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FLOOD ZONE . . . . : FLOOD ZONE X  
 # BEDROOMS . . . . : 3.00  
 SEPTIC - EXISTING? . . . . : NEW

PROPOSED USE . . . . . : SFD  
 WATER SUPPLY . . . . . : UNKNOWN

-----  
**PERMIT: CPSF 00 CP \* SFD**

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	10/23/09 10/23/09	DT AP	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001840685
B103 01	11/20/09 11/20/09	DT DA	R*BLDG FOUND & TEMP SVC POLE VRU #: 001852995 Entire top of footer must be clean of debris, mortar, dirt etc. so projection and bed joint can be properly inspected. T/S: 11/20/2009 12:43 PM DETAYLOR -----
B103 02	11/30/09 <u>11/30/09</u>	TI <u>DP DT</u>	R*BLDG FOUND & TEMP SVC POLE VRU #: 001855774

-----  
COMMENTS AND NOTES  
-----



HTE

11/30/2009 9:23:51 AM

Application number, type	08 50019596 CP NEW RESIDENTIAL (SFD)
Property address	44 WILLIAM BETHUNE CT

1. Top of footer still not clear of mortar and debris. Unable to verify piers are in center third of footers, and projection in areas highlighted on plans. Clean of footers and have engineer repairs where needed.  
 \$50.00 re-inspection fee.  
 T/S: 11/30/2009  
 09:28 AM DETAYLOR -----



OK	Exit	Cancel	Copy	Insert	Delete	Time stamp	User defaults
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STRUCTURE: 000 000 44X50 3BR W/GARAGE (02)

FLOOD ZONE : FLOOD ZONE X

# BEDROOMS : 3.00

SEPTIC - EXISTING? : NEW

PROPOSED USE : SFD

WATER SUPPLY : UNKNOWN

PERMIT: CPSF 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	10/23/09 10/23/09	DT AP	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001840685
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B103 02	11/30/09 11/30/09	DT DP	R*BLDG FOUND & TEMP SVC POLE VRU #: 001855774 1. Top of footer still not clear of mortar and debris. Unable to verify piers are in center third of footers, and projection in areas highlighted on plans. Clean of footers and have engineer repairs where needed. \$50.00 re-inspection fee. T/S: 11/30/2009 09:20 AM DETAYLOR -----
B103 03	12/08/09 <u>12/8/09</u>	TI <u>DA DT</u>	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 001858877 T/S: 12/07/2009 01:23 PM RDCONTE -----

----- COMMENTS AND NOTES -----

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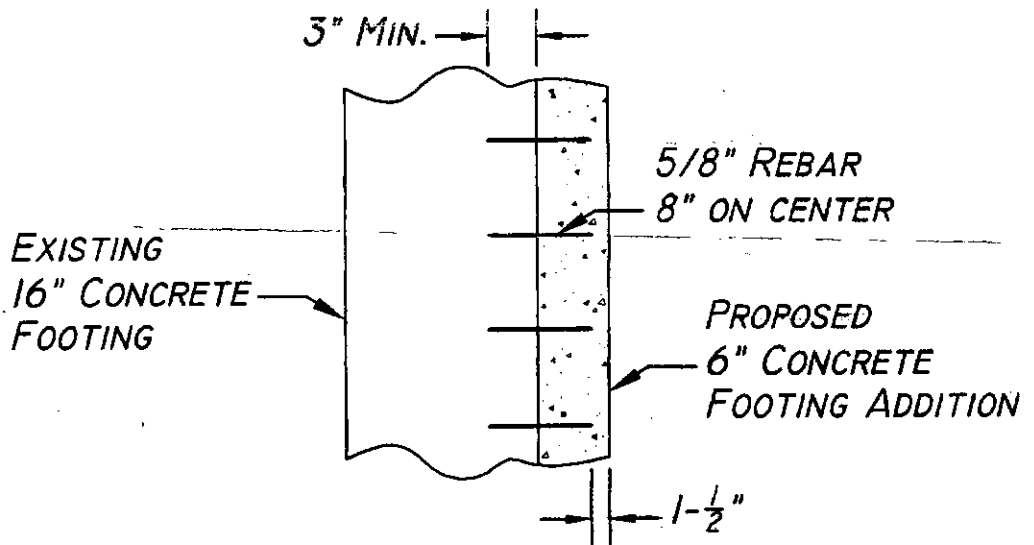
**STRUCTURE: 000 000 44X50 3BR W/GARAGE (02)**

FLOOD ZONE . . . . : FLOOD ZONE X  
 # BEDROOMS . . . . . : 3.00  
 SEPTIC - EXISTING? . . . . : NEW  
 PROPOSED USE . . . . . : SFD  
 WATER SUPPLY . . . . . : UNKNOWN

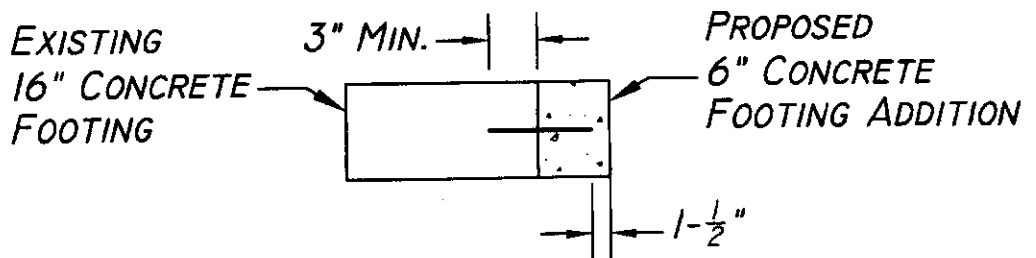
**PERMIT: CPSF 00 CP \* SFD**

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B101 01	10/23/09	DT	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001840685
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B103 02	11/30/09	DT	R*BLDG FOUND & TEMP SVC POLE VRU #: 001855774
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	12/08/09	DA	T/S: 12/07/2009 01:23 PM RDCONTE ----- Projection still not met. T/S: 12/08/2009 09:52 AM DETAYLOR -----
B103 04	12/17/09	TI	R*BLDG FOUND & TEMP SVC POLE VRU #: 001862523
	12/17/09	AP DT	

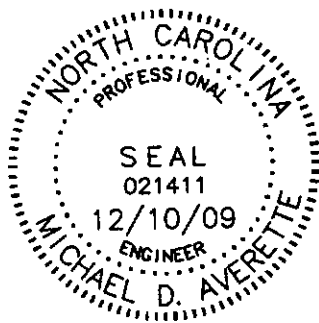
COMMENTS AND NOTES



TOP VIEW



CROSS SECTION



*Michael D. Averette*  
 MICHAEL D. AVERETTE PE-4676  
 PROFESSIONAL ENGINEER

**FOOTER DESIGN**

SITE: Lot 17 Carolina Oaks  
 OWNER: Accent Home Builders  
 SCALE: No Scale

**Averette Engineering Co., P.A.**  
 Established 1970

CIVIL ENGINEERING  
 LAND SURVEYING  
 PLANNING

Address:  
 712 E. Lake Ridge Road  
 Raeford, NC 28376

Phone: (910) 488-5656  
 Fax: (910) 488-0181  
 License: C-0146

Web: [www.averette-eng.com](http://www.averette-eng.com)



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STRUCTURE: 000 000 44X50 3BR W/GARAGE (02)

FLOOD ZONE : FLOOD ZONE X

# BEDROOMS : 3.00

PROPOSED USE : SFD

SEPTIC - EXISTING? : NEW

WATER SUPPLY : UNKNOWN

PERMIT: CPSF 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
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B103 04	12/17/09 12/17/09	DT AP	R*BLDG FOUND & TEMP SVC POLE VRU #: 001862523
B105 01	1/28/10 <u>1-28-10</u>	TI <u>AP JH</u>	R*OPEN FLOOR VRU #: 001876390

----- COMMENTS AND NOTES -----

ADDRESS : 44 WILLIAM BETHUNE CT SUBDIV: CAROLINA OAKS 64 LOTS  
 CONTRACTOR : WILLIAM JACKSON GC (BFT) PHONE : (910) 433-4337  
 OWNER : BFT BUILDERS INC #18 PHONE : (910) 433-4337  
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**STRUCTURE: 000 000 44X50 3BR W/GARAGE (02)**

FLOOD ZONE : FLOOD ZONE X  
 # BEDROOMS : 3.00 PROPOSED USE : SFD  
 SEPTIC - EXISTING? : NEW WATER SUPPLY : UNKNOWN

**PERMIT: CPSF 00 CP \* SFD**

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
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B103 04	12/17/09	DT	R*BLDG FOUND & TEMP SVC POLE VRU #: 001862523
	12/17/09	AP	
B105 01	1/28/10	JH	R*OPEN FLOOR VRU #: 001876390
	1/28/10	AP	
R427 01	2/25/10	TI	FOUR TRADE ROUGH IN >2500 VRU #: 001886654
	<u>2/25/10</u>	<u>DA DT</u>	

COMMENTS AND NOTES

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STRUCTURE: 000 000 44X50 3BR W/GARAGE (02)

FLOOD ZONE : FLOOD ZONE X

# BEDROOMS : 3.00

PROPOSED USE : SFD

SEPTIC - EXISTING? : NEW

WATER SUPPLY : UNKNOWN

PERMIT: CPSF 00 CP \* SFD

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	12/17/09	AP	
B105 01	1/28/10	JH	R*OPEN FLOOR VRU #: 001876390
	1/28/10	AP	
R427 01	2/25/10	DT	FOUR TRADE ROUGH IN >2500 VRU #: 001886654
	2/25/10	DA	<del>Ladder frame all gables.</del> <del>Exhaust ducts for bath fans can't exceed 14 ft flex.</del> <del>Window within 24 inches of back door must be tempered.</del> <del>Need engineer repair for floor truss bored for water lines above family room.</del> <del>Need nail guard for shower water lines in master.</del> <del>Vent in b/r 3 needs mid-story guide.</del> T/S: 02/25/2010 09:31 AM DETAYLOR
R427 02	3/15/10	TI	FOUR TRADE ROUGH IN >2500 VRU #: 001894450

3-15-10  
JH  
IVR

~~We need engineer letter on site for inspection~~

COMMENTS AND NOTES  
~~on bored floor truss ok to insulate~~

# ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844  
Page 1 of 1 Document ID:ITZN8908Z0326113206

Truss Fabricator: **Eastern Building Components**  
Job Identification: **REPAIR / 49059RF - ACCENT HN**  
Truss Count: **1**  
Model Code: **IRC**  
Truss Criteria: **IRC2006/TPI-2002(STD)**  
Engineering Software: **Alpine Software, Version 9.04.**  
Minimum Design Loads: **Roof - N/A**  
**Floor - 55.0 PSF @ 1.00 Duration**  
**Wind - No Wind**

Notes:

1. **Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1**
2. **As shown on attached drawings; the drawing number is preceded by: HCUSR8908**

Details: **STRBRIBR-**

Seal Date: 02/26/2010

-Truss Design Engineer-  
Doug Fleming

1950 Marley Drive  
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	37576--F05		10057009	02/26/10

**Repair Charge: \$27.50 per Customer Agreement.**  
**Amount to be invoiced separately.**

(49059RF-/ACCENT HM BLDG-L18 CAROLJ -- LOT 18 CAROLINA OAKS - F05)

This truss is repaired for a loose plate and a 3/4"x3/16" notch cut in the top chord a 3" right of the loose plate as shown.

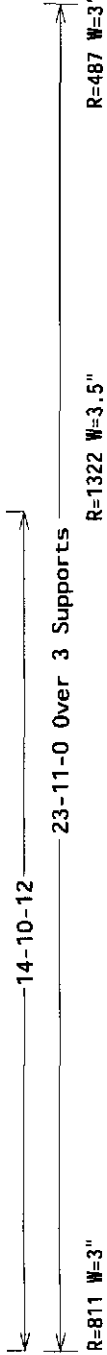
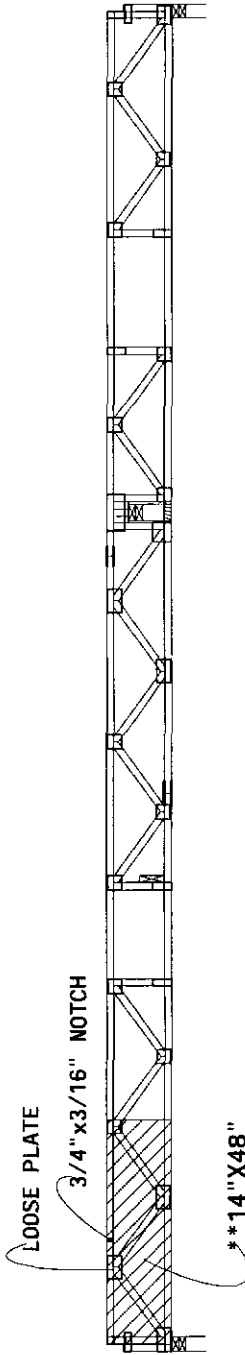
Refer to drawing R8908 10032019 for plates and other data not given here.

Repair(s) must comply with Alpine designs & specifications

Shore Truss and any supported spans in proper position as repair is being made.

THIS REPAIR IS GOOD FOR ONE TRUSS ONLY. ADJACENT TRUSSES MUST BE FREE OF DAMAGE REPAIR OR SIMILAR MODIFICATION.

\*\* (2) NEW 3/4"X(SIZE SHOWN) C-D EXT APA 48/24 STRUCTURAL SHEATHING (PLYWOOD OR OSB). ATTACH BOTH GUSSETS TO ONE FACE OF THE TRUSS WITH SIMPSONS 1/4"X4.5" SDS SCREWS SPACED 4" OC. THROUGHOUT THE TOP CHORD AND WEB AND AT 12" OC IN THE BOTTOM CHORD, WITHOUT SPLITTING THE LUMBER.



Note: All Plates Are 1.5X4 Except As Shown.  
 Design Crit: IRC2006/TPI-2002(STD)  
 FT/RT=12%(0%)/10(0)

TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED, THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE, IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.

TC LL	40.0 PSF	REF	R8908- 37576
TC DL	10.0 PSF	DATE	02/26/10
BC DL	5.0 PSF	DRW	HCJSR8908 10057009
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	55.0 PSF	SEQN-	1255 REV
DUR.FAC.	1.00		
SPACING	24.0"	JREF-	1TZN8908Z03

Scale = .3125"/Ft.

QTY: 1 NC/-/1/-/-/R/- Scale = .3125"/Ft.

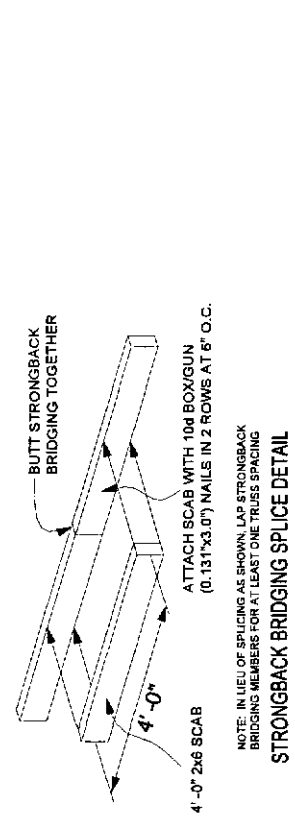
# STRONGBACK BRIDGING AND BRACING REQUIREMENTS

- ▶ All vertical scabs, bracing, and strongback bridging material to be grade marked same species and grade of webs.
- ▶ The purpose of strongback bridging is to develop load sharing between individual trusses, resulting in an overall increase in the stiffness of the floor system. 2x6 strongback bridging, positioned as shown in details, is required at 10'-0" o.c. (max.)
- ▶ The purpose of lateral bracing is to provide lateral stability of the member. 2x4 continuous lateral bracing is required at intervals not to exceed 10'-0" o.c. NOTE: when positioned at the upper side of the bottom chord, strongback bridging also satisfies the lateral bracing requirements for the bottom chord of the truss.

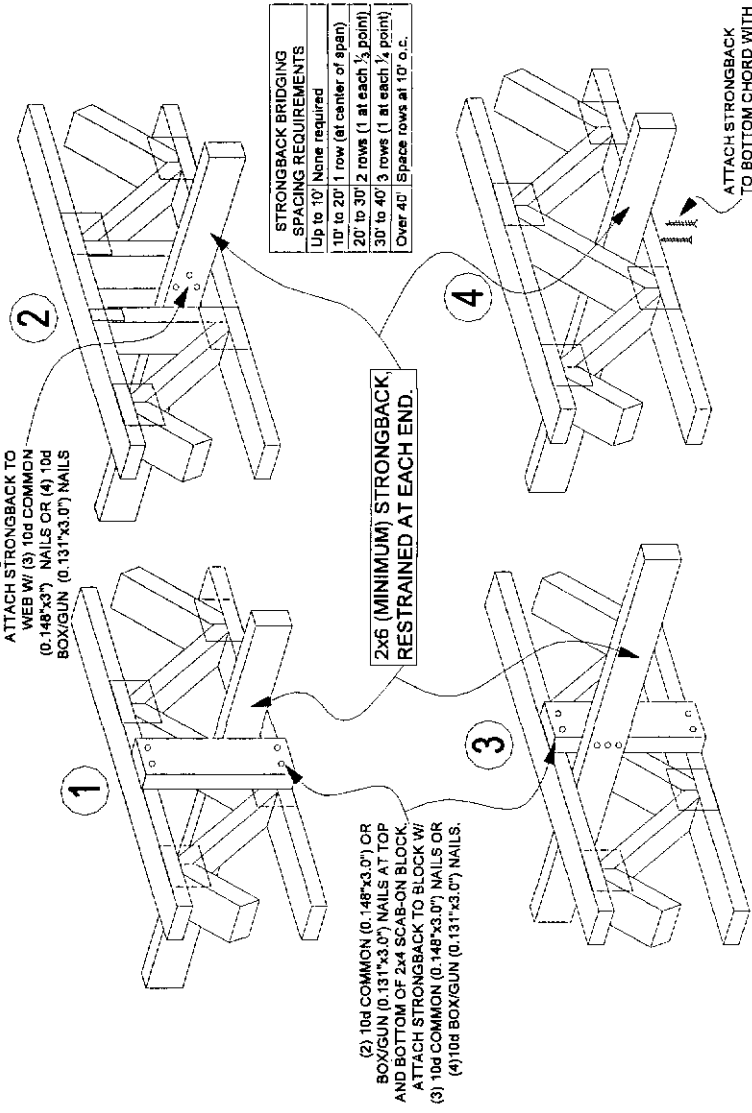
The terms "bridging" and "bracing" are sometimes mistakenly used interchangeably. "Bracing" is an important structural requirement of any floor or roof system. "Bridging," particularly "strongback bridging" is a requirement to a truss system to help control vibration. In addition to aiding in the distribution of point loads between adjacent truss, strongback bridging serves to reduce "bounce" or residual vibration resulting from moving point loads, such as footsteps.

The performance of all floor systems are enhanced by the installation of strongback bridging and therefore is strongly recommended by ITW Building Components Group Inc.

For additional information regarding bracing, refer to BCSI (Building Component Safety Information).



**NOTE: Details 1 and 2 are the preferred attachment methods**



## STRONGBACK BRIDGING ATTACHMENT ALTERNATIVES

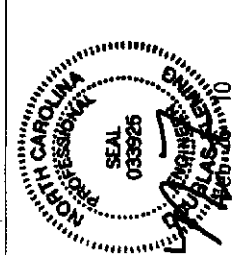
**WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS SHEET**

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 2019/165A (M.H.S/A) ASTM A633 grade 37/40/60 (K/W/H/S) galv. steel. Apply plates to each face of truss positioned as shown above and on front details.

A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss design and construction. The seal number, date, and signature of the professional engineer are shown on the drawing. For more information, contact ITW-BCG, www.ITWbcg.com, TPI, www.tpirat.com, RTCA, www.abendustry.com, ICC, www.iccsafe.org

ITW Building Components Group Inc.  
Earth City, MO 63045

TC LL	PSF	REF	STRONGBACK
TC DL	PSF	DATE	4/10/09
BC DL	PSF	DRWG	STRBRIER0409
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.	1.00		
SPACING			



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ADDRESS : 44 WILLIAM BETHUNE CT SUBDIV: CAROLINA OAKS 64 LOTS  
CONTRACTOR : WILLIAM JACKSON GC (BFT) PHONE : (910) 433-4337  
OWNER : BFT BUILDERS INC #18 PHONE : (910) 433-4337  
PARCEL : 01-0544- - -0012- -18-  
APPL NUMBER: 08-50019596 CP NEW RESIDENTIAL (SFD)  
-----

DIRECTIONS : CAROLINA OAKS #18-401S RT ON ELLIOTT  
BRIDGE RD RT ON WILL LUCAS RD S/D ON RT  
ON CAROLINA OAKS CIRCLE RT ON WILLIAM  
BETHUNE CIRCLE LOT ON RT.JD  
-----

**STRUCTURE: 000 000 44X50 3BR W/GARAGE (02)**

FLOOD ZONE : FLOOD ZONE X  
# BEDROOMS : 3.00 PROPOSED USE : SFD  
SEPTIC - EXISTING? : NEW WATER SUPPLY : UNKNOWN  
-----

**PERMIT: CPSF 00 CP \* SFD**

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	10/23/09 10/23/09	DT AP	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001840685
B103 01	11/20/09 11/20/09	DT DA	R*BLDG FOUND & TEMP SVC POLE VRU #: 001852995 Entire top of footer must be clean of debris, mortar, dirt etc. so projection and bed joint can be properly inspected. T/S: 11/20/2009 12:43 PM DETAYLOR -----
B103 02	11/30/09 11/30/09	DT DP	R*BLDG FOUND & TEMP SVC POLE VRU #: 001855774 1. Top of footer still not clear of mortar and debris. Unable to verify piers are in center third of footers, and projection in areas highlighted on plans. Clean of footers and have engineer repairs where needed. \$50.00 re-inspection fee. T/S: 11/30/2009 09:20 AM DETAYLOR -----
B103 03	12/08/09 12/08/09	DT DA	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 001858877 T/S: 12/07/2009 01:23 PM RDCONTE ----- Projection still not met. T/S: 12/08/2009 09:52 AM DETAYLOR -----
B103 04	12/17/09 12/17/09	DT AP	R*BLDG FOUND & TEMP SVC POLE VRU #: 001862523
B105 01	1/28/10 1/28/10	JH AP	R*OPEN FLOOR VRU #: 001876390
R427 01	2/25/10 2/25/10	DT DA	FOUR TRADE ROUGH IN >2500 VRU #: 001886654 1. Ladder frame all gables. 2. Exhaust ducts for bath fans can't exceed 14 ft flex. 3. Window within 24 inches of back door must be tempered. 4. Need engineer repair for floor truss bored for water lines above family room. 5. Need nail guard for shower water lines in master. 6. Vent in b/r 3 needs mid-story guide. T/S: 02/25/2010 09:31 AM DETAYLOR -----
R427 02	3/15/10 3/15/10	JH AP	FOUR TRADE ROUGH IN >2500 VRU #: 001894450
A814 01	3/16/10 3/16/10	TW AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001894963 T/S: 03/15/2010 11:23 AM VBROWN ----- 44 william bethune ct lot 18 -----

PREPARED 3/16/10, 13:58:36  
Harnett County

INSPECTION TICKET  
INSPECTOR: IVR

PAGE 2  
DATE 3/17/10

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SUBDIV: CAROLINA OAKS 64 LOTS  
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PHONE : (910) 433-4337

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
I129 01	3/17/10 <i>3-17-10</i>	TI <i>AP JV</i>	linden 28356 T/S: 03/16/2010 10:18 AM TWARD R*INSULATION INSPECTION VRU #: 001895580
----- COMMENTS AND NOTES -----			





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B105 01	1/28/10	JH	R*OPEN FLOOR VRU #: 001876390
	1/28/10	AP	
R427 01	2/25/10	DT	FOUR TRADE ROUGH IN >2500 VRU #: 001886654
	2/25/10	DA	1. Ladder frame all gables. 2. Exhaust ducts for bath fans can't exceed 14 ft flex. 3. Window within 24 inches of back door must be tempered. 4. Need engineer repair for floor truss bored for water lines above family room. 5. Need nail guard for shower water lines in master. 6. Vent in b/r 3 needs mid-story guide. T/S: 02/25/2010 09:31 AM DETAYLOR -----
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	3/16/10	AP	T/S: 03/15/2010 11:23 AM VBROWN ----- 44 william bethune ct lot 18 ----- linden 28356 -----

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H824 01	4/27/10 4/27/10	OT AP	ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 001917608 T/S: 04/28/2010 10:02 AM SSTEWARD T/S: 04/28/2010 10:02 AM SSTEWARD
R429 01	5/24/10 <i>5-24-10</i>	TI <i>Op JH</i>	FOUR TRADE FINAL VRU #: 001929413

----- COMMENTS AND NOTES -----

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	4/27/10	AP	T/S: 04/28/2010 10:02 AM SSTEWARD T/S: 04/28/2010 10:02 AM SSTEWARD
R429 01	5/24/10	JH	FOUR TRADE FINAL VRU #: 001929413
	5/24/10	DP	<ul style="list-style-type: none"> <li>✕) Caulk all toilets.</li> <li>✕) Missing all vent registers on first floor.</li> <li>✕) Need 2 ground rods @ meter.</li> <li>✕) Need grounding bar for phone &amp; cable @ meter.</li> <li>✕) Secondary drain in crawl needs to go to the outside of the foundation wall.</li> <li>✕) Sleeve &amp; seal refrigerant lines all the way through foundation wall inside &amp; outside.</li> </ul>
R429 02	5/25/10	TI	FOUR TRADE FINAL VRU #: 001931815

*5-25-10* *ATJH*

COMMENTS AND NOTES

County of Harnett  
Building Inspections Department  
Planning Services

**Certificate of Compliance: \_\_\_ Occupancy:**

Certificate issued pursuant to the requirements of North Carolina General Statute 153A-363 and Harnett County Zoning Ordinances. This certifies at the time of issuance, this structure was in compliance with the various ordinances of the County of Harnett and the North Carolina State Building Codes. For the following:

Use Classification: SFD

Name: BFT Builders Inc

Address: 44 William Bethune Ct

Date: 5-25-10

Building Official: James Hall

**Permit Numbers**

Building: \_\_\_\_\_

Electrical: \_\_\_\_\_

Insulation: \_\_\_\_\_

Plumbing: \_\_\_\_\_

Mechanical: \_\_\_\_\_

MFG Home: \_\_\_\_\_

1656100580  
18-50019596