

-----

ADDRESS . . : 89922 \*UNASSIGNED SUBDIV:  
 CONTRACTOR : KEITH BULLOCK BUILDERS INC. PHONE : (919) 639-7424  
 OWNER . . : BRYAN CHARLES & LINDA PHONE : (919) 557-5050  
 PARCEL . . : 05-0642- - -0003- -14-  
 APPL NUMBER: 10-50023623 CP NEW RESIDENTIAL (SFD)  
 DIRECTIONS : T/S: 01/19/2010 11:33 AM RDCONTE ---  
 194 JACKSON ROAD  
 TAKE 401 N TOWARDS FUQUAY. T/L ON  
 CHRISTIAN LIGHT ROAD. GO APROX 1.5MI,  
 T/L ON JACKSON ROAD. 194 JACKSON IS AT  
 THE 2ND GROUP OF MAILBOXES ON THE  
 RIGHT.

-----  
**STRUCTURE: 000 000**

FLOOD ZONE . . . . : FLOOD ZONE X  
 # BEDROOMS . . . . . : 4.00 PROPOSED USE . . . . . : SFD  
 SEPTIC - EXISTING? . . . . : EXISTING WATER SUPPLY . . . . . : EXT WELL

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

| TYP/SQ  | REQUESTED<br>COMPLETED   | INSP<br>RESULT    | DESCRIPTION<br>RESULTS/COMMENTS                 |
|---------|--------------------------|-------------------|---|
| B101 01 | 3/02/10<br><u>3-2-10</u> | TI<br><u>APBS</u> | R*BLDG FOOTING / TEMP SVC POLE VRU #: 001889004 |

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

-----  
ADDRESS . . : 89922 \*UNASSIGNED  
CONTRACTOR : KEITH BULLOCK BUILDERS INC.  
OWNER . . . : BRYAN CHARLES & LINDA  
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THE 2ND GROUP OF MAILBOXES ON THE  
RIGHT.  
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SUBDIV:  
PHONE : (919) 639-7424  
PHONE : (919) 557-5050

-----  
**STRUCTURE: 000 000**

FLOOD ZONE . . . . : FLOOD ZONE X  
# BEDROOMS . . . . : 4.00  
SEPTIC - EXISTING? . . . . : EXISTING  
PROPOSED USE . . . . . : SFD  
WATER SUPPLY . . . . . : EXT WELL  
-----

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

| TYP/SQ  | REQUESTED<br>COMPLETED    | INSP<br>RESULT    | DESCRIPTION<br>RESULTS/COMMENTS                 |
|---------|---------------------------|-------------------|---|
| B101 01 | 3/02/10                   | BS                | R*BLDG FOOTING / TEMP SVC POLE VRU #: 001889004 |
|         | 3/02/10                   | AP                | T/S: March 02, 2010 12:48 PM BSUTTON -----      |
| B103 01 | 3/11/10<br><u>3-11-10</u> | TI<br><u>AEBS</u> | R*BLDG FOUND & TEMP SVC POLE VRU #: 001893598   |

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

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OWNER : BRYAN CHARLES & LINDA  
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RIGHT.

SUBDIV:  
PHONE : (919) 639-7424  
PHONE : (919) 557-5050

STRUCTURE: 000 000

FLOOD ZONE : FLOOD ZONE X  
# BEDROOMS : 4.00  
SEPTIC - EXISTING? : EXISTING  
PROPOSED USE : SFD  
WATER SUPPLY : EXT WELL

PERMIT: CPSF 00 CP \* SFD

| TYP/SQ  | REQUESTED<br>COMPLETED    | INSP<br>RESULT    | DESCRIPTION<br>RESULTS/COMMENTS   |
|---------|---------------------------|-------------------|---|
| B101 01 | 3/02/10                   | BS                | R*BLDG FOOTING / TEMP SVC POLE VRU #: 001889004                                   |
|         | 3/02/10                   | AP                | T/S: March 02, 2010 12:48 PM BSUTTON -----  |
| B103 01 | 3/11/10                   | BS                | R*BLDG FOUND & TEMP SVC POLE VRU #: 001893598                                     |
|         | 3/11/10                   | AE                | Damproof exterior, leave open for inspection. Will check at<br>open floor         |
| A814 01 | 3/16/10                   | FB                | ADDRESS CONFIRMATION VRU #: 001893605   |
|         | 3/15/10                   | AP                | T/S: 03/15/2010 04:39 PM FBURGESS -----<br>194 JACKSON RD FUQUAY VARINA, NC 27526 |
| B105 01 | 3/18/10<br><u>3/18/10</u> | TI<br><u>APBS</u> | R*OPEN FLOOR VRU #: 001896121   |

COMMENTS AND NOTES

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**STRUCTURE: 000 000**

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

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|         | 3/11/10                | AE             | Damproof exterior, leave open for inspection. Will check at<br>open floor         |
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|         | 3/15/10                | AP             | T/S: 03/15/2010 04:39 PM FBURGESS -----<br>194 JACKSON RD FUQUAY VARINA, NC 27526 |
| B105 01 | 3/18/10                | BS             | R*OPEN FLOOR VRU #: 001896121   |
|         | 3/18/10                | AP             | T/S: March 18, 2010 09:31 AM BSUTTON -----  |
| R427 01 | 4/20/10                | TI             | FOUR TRADE ROUGH IN >2500 VRU #: 001912808  |

*4-20-10* *DAT35*

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

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**STRUCTURE: 000 000**

FLOOD ZONE : FLOOD ZONE X  
 # BEDROOMS : 4.00 PROPOSED USE : SFD  
 SEPTIC - EXISTING? : EXISTING WATER SUPPLY : EXT WELL

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

| TYP/SQ  | REQUESTED<br>COMPLETED | INSP<br>RESULT | DESCRIPTION<br>RESULTS/COMMENTS   |
|---------|------------------------|----------------|---|
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|         | 3/11/10                | AE             | Damproof exterior, leave open for inspection. Will check at open floor  |
| A814 01 | 3/16/10                | FB             | ADDRESS CONFIRMATION VRU #: 001893605   |
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| B105 01 | 3/18/10                | BS             | R*OPEN FLOOR VRU #: 001896121   |
|         | 3/18/10                | AP             | T/S: March 18, 2010 09:31 AM BSUTTON -----  |
| R427 01 | 4/20/10                | BS             | FOUR TRADE ROUGH IN >2500 VRU #: 001912808  |
|         | 4/20/10                | DA             | Need tempered glass at rear side door. Insulate water line for master shower head. Stud column for garage 9.25 LVL should be 4 (beside electrical panel) Rear porch header should be 3-2x10. Plan shows covered porch beam hangered into screen porch beam- roof hip supported above. 5 Add studs at double 2x10 right of foyer per plan .NEED ENGINEERING ON THE FOLLOWING- Stud height in garage supporting roof and floor exceeds 10' Need a detail on ceiling joist to beam connection, or that its ok the way it is done. Added beam carrying ceiling load right of front foyer, not shown on plan. Verify that side nailing studs to rafters is acceptable rafter support. DO not cover rear porch ceilings/beams. ok to insulate |
| I129 01 | 4/26/10                | TI             | R*INSULATION INSPECTION VRU #: 001915486  |
|         | 4/26/10                | TI             |   |
| R227 01 | 4/26/10                | TI             | TWO TRADE ROUGH IN >2500 VRU #: 001915477   |

COMMENTS AND NOTES



**TYNDALL**  
ENGINEERING & DESIGN, P.A.

919 773-1200 • 919 773-9658  
69 Shipwash Drive • Garner • North Carolina • 27529  
www.tyndallengineering.com

April 22, 2010

Keith Bullock Builders, Inc.  
72 Overlook Ct.  
Angier, NC 27501

Reference: Inspection Issues  
Plan: DK 2859  
Project No. 10GAR-R0009

**To Whom It May Concern:**

A representative of Tyndall Engineering & Design analyzed plan items for the above referenced project. Specifically, the following items listed were analyzed:

- 1) Garage stud wall height of approximately 12'-0".
- 2) Floor joist connection to W8x21 in Family Room.
- 3) Knee wall connection to roof rafters in second floor.
- 4) Connection between rear Covered Porch header and rear Screened Porch header.

The following conclusions and recommendations were presented for the above-mentioned items:

- 1) Based on our plan review and analysis, the 12'-0" tall studs shall be either 2x6 @ 16" o.c., or (2)2x4 @ 16" o.c. For the (2)2x4 option, the studs may be framed side-by-side or as a "T" section. The plan specified beam stud columns are adequate as framed.
- 2) The web of the W8x21 shall be packed out with 2x lumber. The floor joists shall bear on a ledger. See sheet 3 for required framing detail
- 3) The rafters may be nailed to the 2x4 knee wall studs in lieu of bearing on top of the knee wall. The rafters must be secured with minimum (5)10d nails at each connection. See sheet 3 for required framing detail.



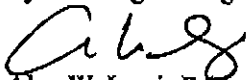
**TYNDALL**  
ENGINEERING & DESIGN. P.A.

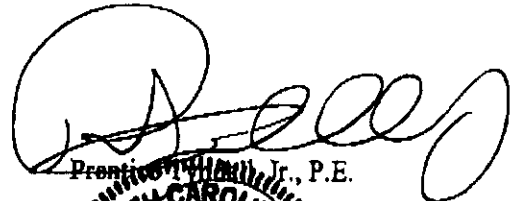
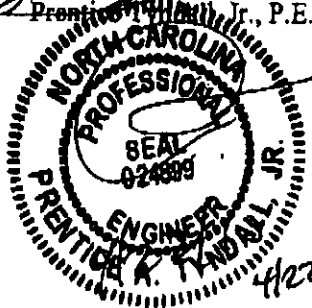
919 773-1200 • 919 773-9658  
49 Shipwash Drive • Garner • North Carolina • 27529  
www.tyndallengineering.com

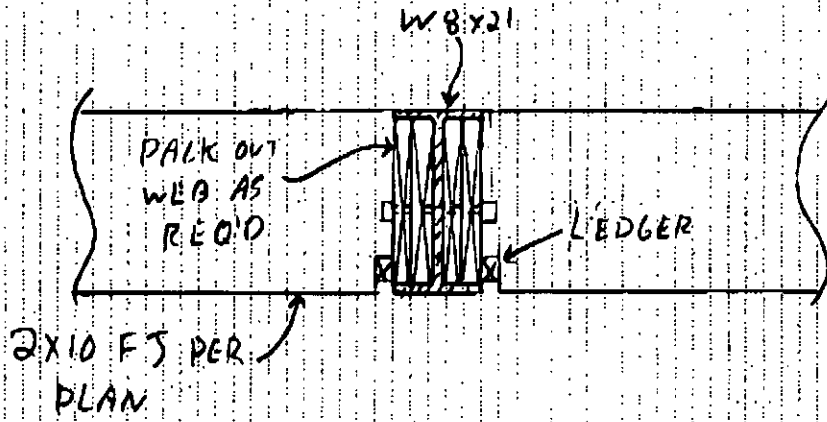
- 4) The header connection is framed as shown on sheet 4. This connection is an adequate substitute for the plan specified LUS210-3 hanger.

We appreciate being able to assist you during this phase of the project. If you need further assistance or require additional information please do not hesitate to contact us.

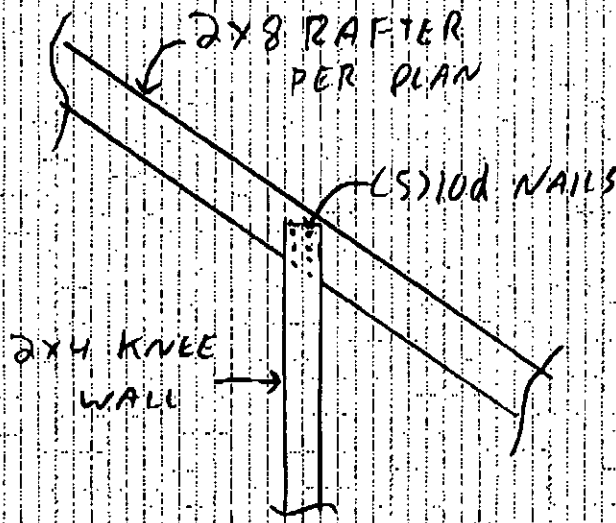
Sincerely,  
Tyndall Engineering & Design

  
Alan W. Lewis E.I.  
AWL/10GAR-R0009

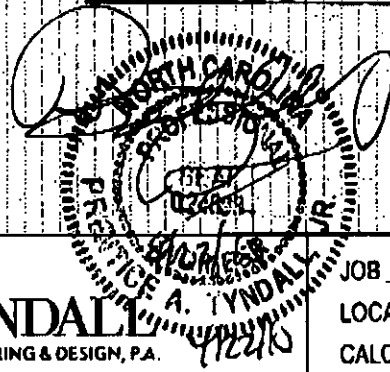
  
Prentice R. Tyndall, Jr., P.E.  
  
4/22/10



FRAMING AT STEEL BEAM



KNEEWALL CONNECTION

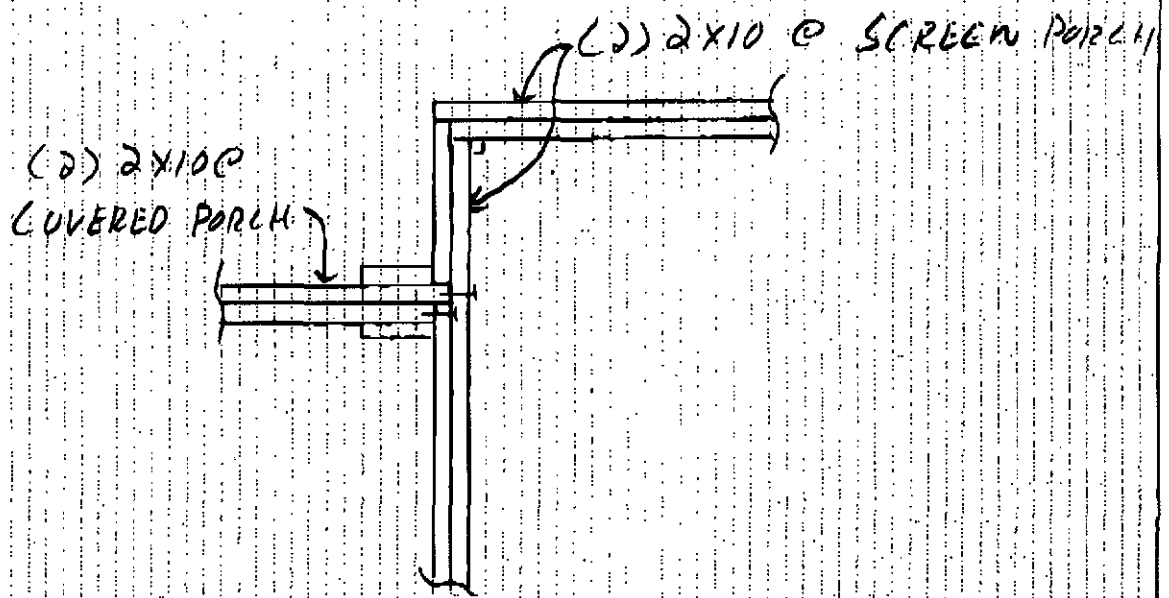


**TYNDALL**  
ENGINEERING & DESIGN, P.A.

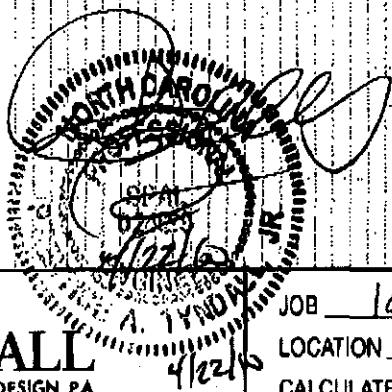
919 773-1200 • 919 773-0458  
49 Shipwash Drive • Garner • North Carolina • 27529  
www.tyndallengineering.com

JOB 10GAR-20009  
LOCATION FRAMING DETAILS  
CALCULATED BY AVL DATE 4-22-10  
SHEET NO. 3 OF 4  
SCALE NTS





HEADER CONNECTION DETAIL



**TYNDALL**  
ENGINEERING & DESIGN, P.A.

919 773-1200 • 919 773-9628  
69 Shipwash Drive • Garner • North Carolina • 27529  
www.tyndallengineering.com

JOB 10 GAR-ROO9  
 LOCATION FRAMING DETAILS  
 CALCULATED BY AWL DATE 4-22-10  
 SHEET NO. 4 OF 4  
 SCALE N.T.S.



**TYNDALL**  
ENGINEERING & DESIGN, P.A.

+ 919 273-1200 • + 919 273-9658  
69 Shipwash Drive • Garner • North Carolina • 27529  
www.tyndallengineering.com

April 20, 2010

Keith Bullock Builders, Inc.  
72 Overlook Ct.  
Angier, NC 27501

Reference: Attic Framing  
Plan: DK 2859  
Project No. 10GAR-R0009

To Whom It May Concern:

A representative of Tyndall Engineering & Design analyzed plan items for the above referenced project. Specifically, the following items listed were analyzed:


- 1) Framing in attic near stairs.

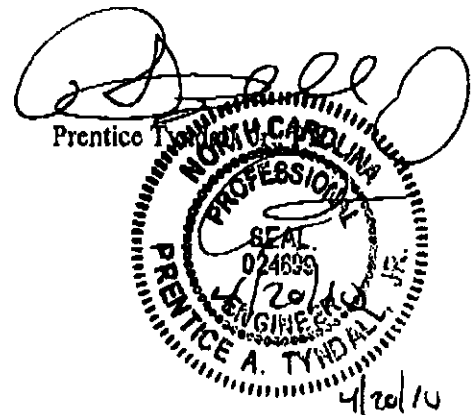
The following conclusions and recommendations were presented for the above-mentioned items:

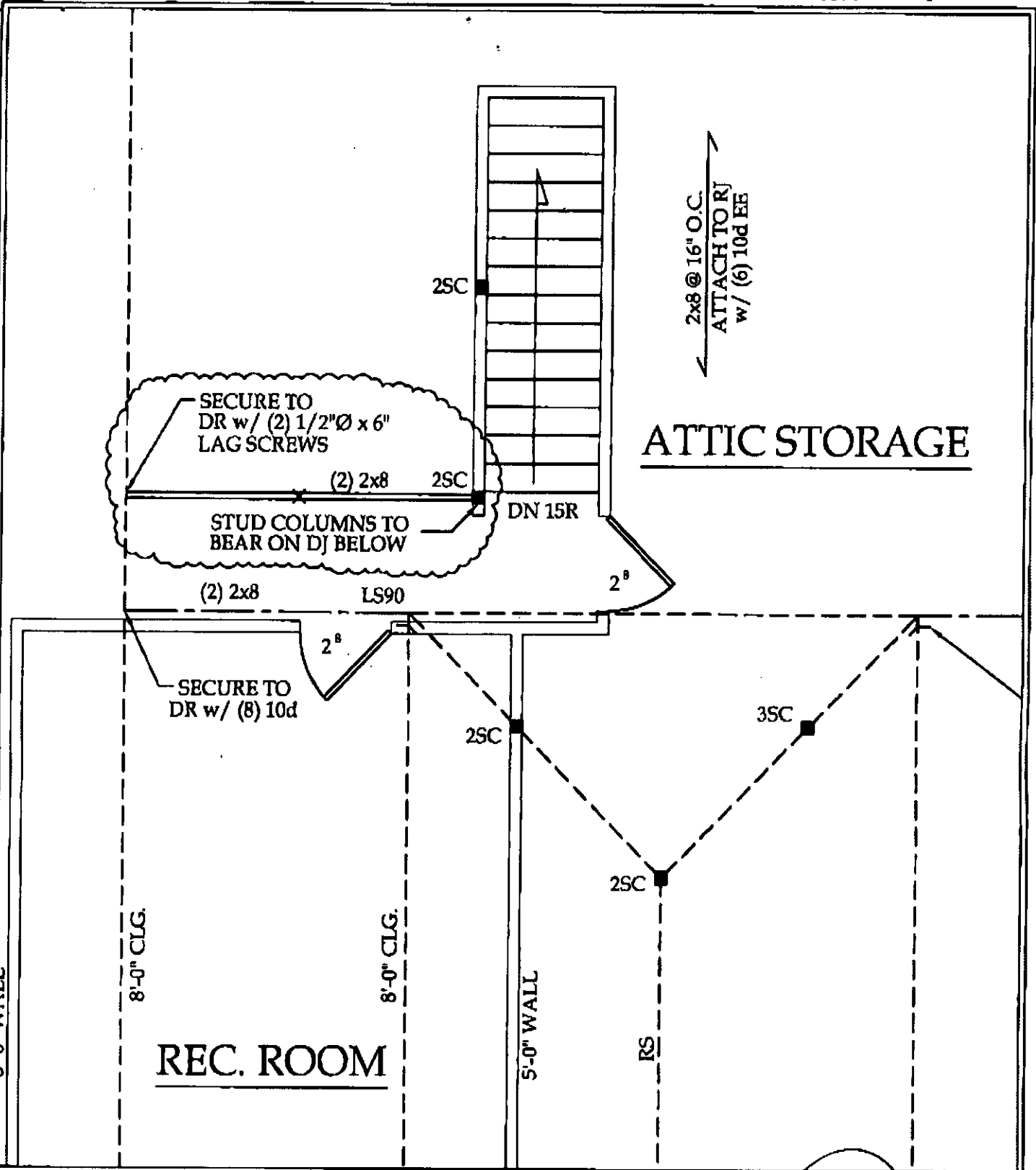
- 1) Based on our plan review and analysis, the plan specified wall in the attic near the stairs may be removed. The plan specified point load shall be supported by (2) 2x8 ceiling joists. The double 2x8 ceiling joists shall be secured to a (2)2x8 rafter with (2)1/2" x 6" lag screws. The reader is referred to the attached pages. These changes will adequately support the anticipated loading conditions.

We appreciate being able to assist you during this phase of the project. If you need further assistance or require additional information please do not hesitate to contact us.

Sincerely,  
Tyndall Engineering & Design

  
Alan W. Lewis E.I.  
AWL/10GAR-R0009





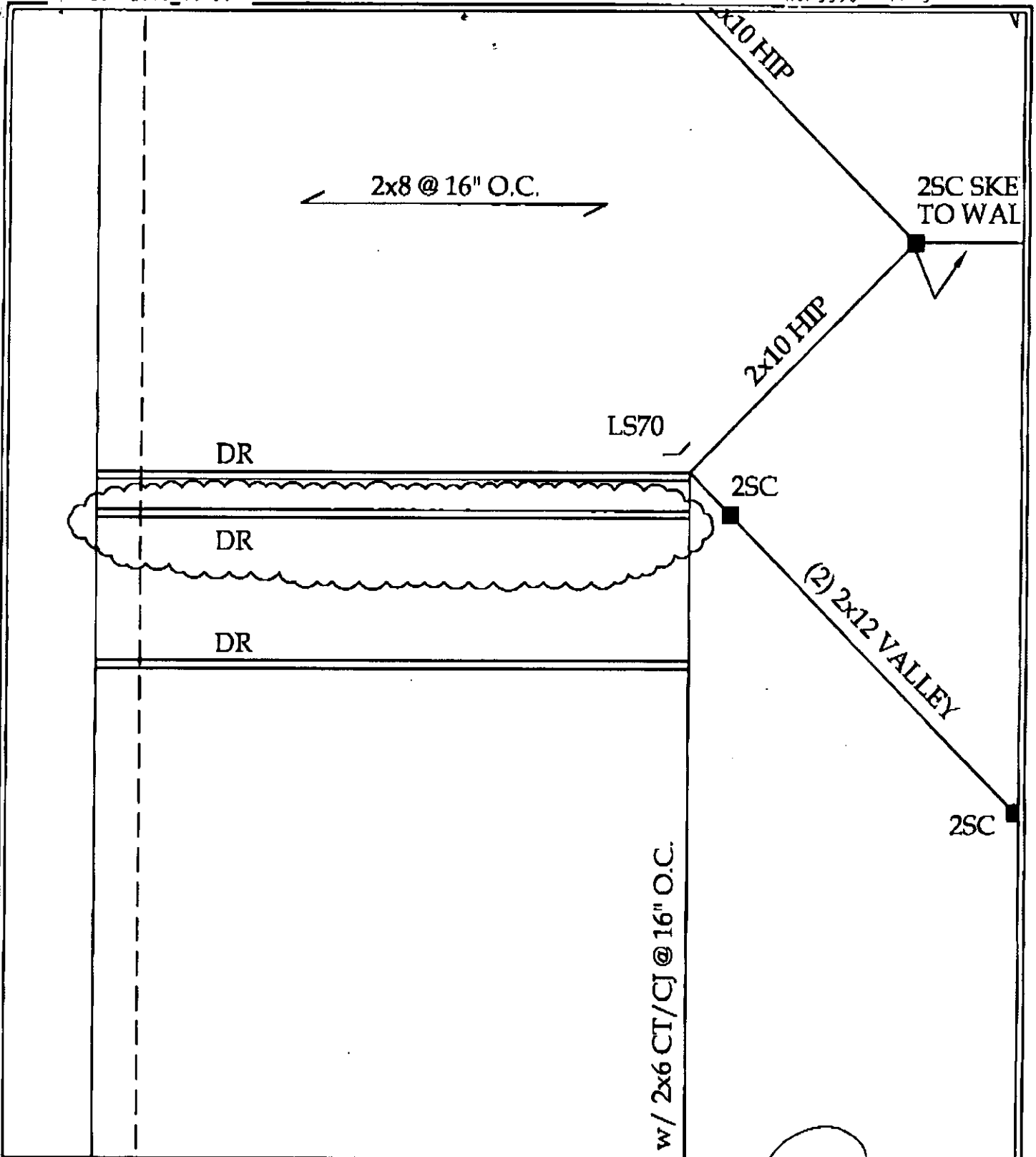
**TYNDALL**  
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• 919 773-1200 • • 919 773-0658  
49 Shipwash Drive • Garner • North Carolina • 27429  
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OWNER: KEITH BULLOCK BUILDERS, INC  
72 OVERLOOK CT.  
ANGIER, NC 27501

| 4                           |          |                               |                 |      |
|-----------------------------|----------|-------------------------------|-----------------|------|
| 3                           |          |                               |                 |      |
| 2                           |          |                               |                 |      |
| 1                           |          |                               |                 |      |
| NO.                         | DATE     | REVISIONS AND RECORD OF ISSUE |                 | CHK. |
| DRAWN:                      | CHECKED: | DATE:                         | PROJECT:        |      |
| AWL                         | PAT      | 04-20-10                      | 10GAR-R0009     |      |
| PROJECT: PARTIAL ATTIC PLAN |          |                               | DRAWING NUMBER: | REV. |
|                             |          |                               | 2 of 3          |      |

STATE OF NORTH CAROLINA  
PROFESSIONAL ENGINEER  
SEAL  
024899  
PRENTICE A. TYNDALL, JR.



**TYNDALL**  
ENGINEERING & DESIGN, P.A.

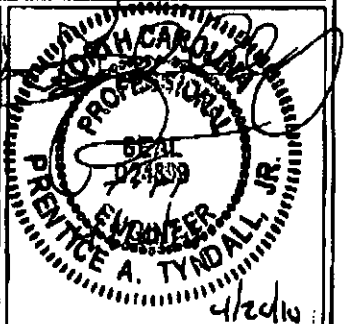
1119 773-3000 • 919 773-9636  
1033 Mowbray Drive • Garner • North Carolina • 27539  
www.tyndallengineering.com

| NO. | DATE | REVISIONS AND RECORD OF ISSUE | CHK. |
|-----|------|-------------------------------|------|
| 4   |      |                               |      |
| 3   |      |                               |      |
| 2   |      |                               |      |
| 1   |      |                               |      |

|               |                 |                   |                         |
|---------------|-----------------|-------------------|-------------------------|
| DRAWN:<br>AWL | CHECKED:<br>PAT | DATE:<br>04-20-10 | PROJECT:<br>10GAR-R0009 |
|---------------|-----------------|-------------------|-------------------------|

CLIENT: **KEITH BULLOCK BUILDERS, INC**  
73 OVERLOOK CT.  
ANGIER, NC 27501

PROJECT: PARTIAL ROOF PLAN  
DRAWING NUMBER: 3 of 3  
REV.



ADDRESS : 89922 \*UNASSIGNED SUBDIV:  
 CONTRACTOR : KEITH BULLOCK BUILDERS INC. PHONE : (919) 639-7424  
 OWNER : BRYAN CHARLES & LINDA PHONE : (919) 557-5050  
 PARCEL : 05-0642- - -0003- -14-  
 APPL NUMBER: 10-50023623 CP NEW RESIDENTIAL (SFD)  
 DIRECTIONS : T/S: 01/19/2010 11:33 AM RDCONTE ---  
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 TAKE 401 N TOWARDS FUQUAY. T/L ON  
 CHRISTIAN LIGHT ROAD. GO APROX 1.5MI,  
 T/L ON JACKSON ROAD. 194 JACKSON IS AT  
 THE 2ND GROUP OF MAILBOXES ON THE  
 RIGHT.

**STRUCTURE: 000 000**

FLOOD ZONE : FLOOD ZONE X  
 # BEDROOMS : 4.00 PROPOSED USE : SFD  
 SEPTIC - EXISTING? : EXISTING WATER SUPPLY : EXT WELL

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

| TYP/SQ  | REQUESTED COMPLETED | INSP RESULT | DESCRIPTION RESULTS/COMMENTS  |
|---------|---------------------|-------------|---|
| B101 01 | 3/02/10             | BS          | R*BLDG FOOTING / TEMP SVC POLE VRU #: 001889004   |
|         | 3/02/10             | AP          | T/S: March 02, 2010 12:48 PM BSUTTON -----  |
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| B105 01 | 3/18/10             | BS          | R*OPEN FLOOR VRU #: 001896121   |
|         | 3/18/10             | AP          | T/S: March 18, 2010 09:31 AM BSUTTON -----  |
| R427 01 | 4/20/10             | BS          | FOUR TRADE ROUGH IN >2500 VRU #: 001912808  |
|         | 4/20/10             | DA          | 1. Need tempered glass at rear side door. 2. Insulate water line for master shower head. 3. Stud column for garage 9.25 LVL should be 4 (beside electrical panel) 4. Rear porch header should be 3-2x10. Plan shows covered porch beam hangered into screen porch beam- roof hip supported above. 5 Add studs at double 2x10 right of foyer per plan .NEED ENGINEERING ON THE FOLLOWING- Stud height in garage supporting roof and floor exceeds 10' Need a detail on ceiling joist to beam connection, or that its ok the way it is done. Added beam carrying ceiling load right of front foyer, not shown on plan. Verify that side nailing studs to rafters is acceptable rafter support. DO not cover rear porch ceilings/beams. ok to insulate |
| I129 01 | 4/26/10             | BS          | R*INSULATION INSPECTION VRU #: 001915486  |
|         | 4/27/10             | AP          | T/S: April 27, 2010 07:25 AM BSUTTON -----  |
| R227 01 | 4/26/10             | BS          | TWO TRADE ROUGH IN >2500 VRU #: 001915477   |
|         | 4/27/10             | AP          | T/S: April 27, 2010 07:25 AM BSUTTON -----  |
| R431 01 | 6/17/10             | TI          | FOUR TRADE FINAL >2500 VRU #: 001942241   |

6-17-10 *AP-MR*

COMMENTS AND NOTES

County of Harnett  
Building Inspections Department  
Planning Services

**Certificate of Compliance: X Occupancy: X**

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: R-3

**Permit Numbers**

Name: \_\_\_\_\_

Building: 10-50023623

Bryan, Charles + Linda

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

Address: \_\_\_\_\_

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

194 Jackson Rd.

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

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

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

Date: 6-17-10

Building Official: T. Michael Rearin

04713715