



# Comtech

Reilly Road Industrial Park, PO Box 40408  
Fayetteville, NC 28309  
Phone: (910) 864-8787

## Reaction Summary

Job #: 251710-A

Product: Roof

Quote Date:

### Customer Information

#### Precision Custom Homes and Renovations

##### Address & Phone

206 Shoreline Drive  
Raeford NC 28376  
Phone: (910) 988-8172

##### Builder

##### Contact

Allen Peterson  
(704) 451-4444

### Job Information

#### Lot 45 Magnolia Hills

##### Address

Lot 45 Magnolia Hills  
149 Myrtle Oak Dr.  
Cameron NC

##### Lot

##### Sub-Division

Magnolia Hills

##### Sales Person

Neil Baggett

##### Estimator

Joseph Horrocks

##### Customer P.O. No.

##### Designer

Joseph Horrocks

Delivery Notes:

Notes:

### Loading

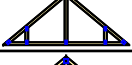
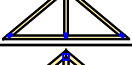
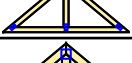
| TCLL | TCDL | BCLL | BCDL |
|------|------|------|------|
| 20   | 10   | 0    | 10   |

Spacing: 2-00-00 O.C.

| Loading |      |      |      | Building Code   | Wind Design Method                         | Velocity | Exp Cat | Wind Max |      |
|---------|------|------|------|-----------------|--------------------------------------------|----------|---------|----------|------|
| TCLL    | TCDL | BCLL | BCDL |                 |                                            |          | Occ Cat | TCDL     | BCDL |
| 20      | 10   | 0    | 10   | IRC2021/TPI2014 | MWFRS (Envelope)/C-C hybrid Wind ASCE 7-16 | 130 mph  | C II    | 6        | 6    |

### Roof Trusses

| Label | Profile | Qty   | Span     | TC Pitch | TC    | Reactions                                          |
|-------|---------|-------|----------|----------|-------|----------------------------------------------------|
|       |         | Ply   | Height   | BC Pitch | BC    |                                                    |
| A1    |         | 6     | 33-00-00 | 7 / 12   | 2 x 6 | Joint 2    Joint 8<br>1692    1692<br>-91    -91   |
|       |         | 1-ply | 10-07-13 |          | 2 x 6 |                                                    |
| A1GE  |         | 1     | 33-00-00 | 7 / 12   | 2 x 6 | Continuous Support                                 |
|       |         | 1-ply | 10-07-13 |          | 2 x 6 |                                                    |
| A2    |         | 4     | 33-00-00 | 7 / 12   | 2 x 6 | Joint 2    Joint 8<br>1692    1692<br>-91    -91   |
|       |         | 1-ply | 10-07-13 |          | 2 x 6 |                                                    |
| A3    |         | 9     | 33-00-00 | 7 / 12   | 2 x 6 | Joint 2    Joint 8<br>1697    1629<br>-91    -75   |
|       |         | 1-ply | 10-07-13 |          | 2 x 6 |                                                    |
| A3GE  |         | 1     | 33-00-00 | 7 / 12   | 2 x 6 | Continuous Support                                 |
|       |         | 1-ply | 10-07-13 |          | 2 x 6 |                                                    |
| B1GE  |         | 1     | 12-00-00 | 6 / 12   | 2 x 4 | Joint 2    Joint 8<br>550    550<br>-143    -143   |
|       |         | 1-ply | 3-11-03  |          | 2 x 6 |                                                    |
| B2    |         | 4     | 12-00-00 | 6 / 12   | 2 x 4 | Joint 2    Joint 4<br>550    550<br>-109    -109   |
|       |         | 1-ply | 3-11-03  |          | 2 x 6 |                                                    |
| C1    |         | 5     | 20-00-00 | 10 / 12  | 2 x 6 | Joint 2    Joint 4<br>1105    1105<br>-48    -48   |
|       |         | 1-ply | 9-07-15  |          | 2 x 6 |                                                    |
| C1-GR |         | 1     | 20-00-00 | 10 / 12  | 2 x 6 | Joint 2    Joint 6<br>7590    7605<br>-437    -424 |
|       |         | 2-ply | 9-07-15  |          | 2 x 8 |                                                    |
| C1GE  |         | 1     | 20-00-00 | 10 / 12  | 2 x 6 | Joint 2    Joint 12<br>860    860<br>-169    -169  |
|       |         | 1-ply | 9-07-15  |          | 2 x 6 |                                                    |
| G1    |         | 6     | 46-00-00 | 6 / 12   | 2 x 6 | Joint 2    Joint 12<br>1329    1480<br>-66    -168 |
|       |         | 1-ply | 12-05-02 |          | 2 x 8 |                                                    |
| G1GE  |         | 1     | 46-00-00 | 6 / 12   | 2 x 4 | Continuous Support                                 |
|       |         | 1-ply | 12-05-02 |          | 2 x 6 |                                                    |
| J1    |         | 4     | 6-00-00  | 4 / 12   | 2 x 4 | Joint 2    Joint 4<br>316    215<br>-132    -90    |
|       |         | 1-ply | 2-08-00  |          | 2 x 6 |                                                    |
| J2    |         | 6     | 5-00-00  | 4 / 12   | 2 x 4 | Joint 2    Joint 4<br>277    174<br>-119    -72    |
|       |         | 1-ply | 2-04-00  |          | 2 x 6 |                                                    |
| J2GE  |         | 1     | 5-00-00  | 4 / 12   | 2 x 4 | Continuous Support                                 |
|       |         | 1-ply | 2-04-08  |          | 2 x 6 |                                                    |
| J3    |         | 9     | 3-06-00  | 4 / 12   | 2 x 4 | Joint 2    Joint 4<br>224    107<br>-69    -14     |
|       |         | 1-ply | 1-10-00  |          | 2 x 6 |                                                    |
| J3GE  |         | 2     | 3-06-00  | 4 / 12   | 2 x 4 | Continuous Support                                 |
|       |         | 1-ply | 1-10-08  |          | 2 x 4 |                                                    |

| Roof Trusses |                                                                                   |       |          |          |       |           |         |         |         |         |
|--------------|-----------------------------------------------------------------------------------|-------|----------|----------|-------|-----------|---------|---------|---------|---------|
| Label        | Profile                                                                           | Qty   | Span     | TC Pitch | TC    | Reactions |         |         |         |         |
|              |                                                                                   | Ply   | Height   | BC Pitch | BC    |           |         |         |         |         |
| V1           |  | 1     | 18-06-03 | 10 /12   | 2 x 4 | Joint 1   | Joint 5 | Joint 7 | Joint 6 | Joint 9 |
|              |                                                                                   | 1-ply | 7-08-09  |          | 2 x 4 | 224       | 200     | 391     | 612     | 612     |
| V2           |  | 1     | 15-08-09 | 10 /12   | 2 x 4 | Joint 1   | Joint 5 | Joint 7 | Joint 6 | Joint 8 |
|              |                                                                                   | 1-ply | 6-06-09  |          | 2 x 4 | 172       | 151     | 407     | 478     | 478     |
| V3           |  | 1     | 12-11-00 | 10 /12   | 2 x 4 | Joint 1   | Joint 5 | Joint 7 | Joint 6 | Joint 8 |
|              |                                                                                   | 1-ply | 5-04-09  |          | 2 x 4 | 101       | 85      | 242     | 330     | 330     |
| V4           |  | 1     | 10-01-06 | 10 /12   | 2 x 4 | Joint 1   | Joint 3 | Joint 4 |         |         |
|              |                                                                                   | 1-ply | 4-02-09  |          | 2 x 4 | 199       | 199     | 347     |         |         |
| V5           |  | 1     | 7-03-13  | 10 /12   | 2 x 4 | Joint 1   | Joint 3 | Joint 4 |         |         |
|              |                                                                                   | 1-ply | 3-00-10  |          | 2 x 4 | 151       | 151     | 220     |         |         |
| V6           |  | 1     | 4-06-03  | 10 /12   | 2 x 4 | Joint 1   | Joint 3 | Joint 4 |         |         |
|              |                                                                                   | 1-ply | 1-10-09  |          | 2 x 4 | 86        | 86      | 125     |         |         |



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| TCLL | TCDL | BCLL | BCDL |
|------|------|------|------|
| 40   | 10   | 0    | 5    |

Spacing: 2-00-00 O.C.

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|---------|------|------|------|-----------------|--------------------------------------------|----------|---------|----------|------|
| TCLL    | TCDL | BCLL | BCDL |                 |                                            |          | Occ Cat | TCDL     | BCDL |
| 40      | 10   | 0    | 5    | IRC2021/TPI2014 | MWFRS (Envelope)/C-C hybrid Wind ASCE 7-16 | 130 mph  | C II    | 6        | 6    |

### Floor Trusses

| Label | Profile                                                                             | Qty   | Span     | TC    | Reactions          |          |          |  |  |
|-------|-------------------------------------------------------------------------------------|-------|----------|-------|--------------------|----------|----------|--|--|
|       |                                                                                     | Ply   | Height   | BC    |                    |          |          |  |  |
| ET1   |    | 1     | 32-11-00 | 2 x 4 | Continuous Support |          |          |  |  |
|       |                                                                                     | 1-ply | 1-04-00  | 2 x 4 |                    |          |          |  |  |
| ET2   |    | 1     | 18-04-00 | 2 x 4 | Continuous Support |          |          |  |  |
|       |                                                                                     | 1-ply | 1-04-00  | 2 x 4 |                    |          |          |  |  |
| ET3   |    | 1     | 19-04-08 | 2 x 4 | Continuous Support |          |          |  |  |
|       |                                                                                     | 1-ply | 1-04-00  | 2 x 4 |                    |          |          |  |  |
| F1    |  | 7     | 32-11-00 | 2 x 4 | Joint 24           | Joint 31 | Joint 40 |  |  |
|       |                                                                                     | 1-ply | 1-04-00  | 2 x 4 | 662                | 2190     | 882      |  |  |
| F2    |  | 3     | 31-11-00 | 2 x 4 | 0                  | 0        | 0        |  |  |
|       |                                                                                     | 1-ply | 1-04-00  | 2 x 4 | 719                | 2079     | 795      |  |  |
| F3    |  | 9     | 19-11-00 | 2 x 4 | 0                  | 0        | 0        |  |  |
|       |                                                                                     | 1-ply | 1-04-00  | 2 x 4 | 1075               | 1075     |          |  |  |
| F4    |  | 10    | 19-07-00 | 2 x 4 | Joint 16           | Joint 25 |          |  |  |
|       |                                                                                     | 1-ply | 1-04-00  | 2 x 4 | 1057               | 1063     |          |  |  |
| F4A   |  | 1     | 19-08-00 | 2 x 4 | Joint 17           | Joint 28 | Joint 16 |  |  |
|       |                                                                                     | 1-ply | 1-04-00  | 2 x 4 | 730                | 1157     | 275      |  |  |
| F5    |  | 1     | 5-10-08  | 2 x 4 | 0                  | 0        | 0        |  |  |
|       |                                                                                     | 1-ply | 1-04-00  | 2 x 4 | 288                | 294      |          |  |  |
| FG1   |  | 1     | 5-06-00  | 2 x 4 | Joint 5            | Joint 8  |          |  |  |
|       |                                                                                     | 1-ply | 1-01-00  | 2 x 4 | 456                | 478      |          |  |  |