



# UFP SITE BUILT

A UFP INDUSTRIES COMPANY

## SMITH DOUGLAS - RALEIGH

|                    |                                            |
|--------------------|--------------------------------------------|
| TRUSS:             | A2                                         |
| JOB ID:            | 72522022                                   |
| DELIVERY DATE:     | 10/8/2025                                  |
| REQUESTED BY:      | Murray, Carmen                             |
| EMAIL:             | cmurray@smithdouglas.com                   |
| REQUESTED ON:      | 10/21/2025                                 |
| SUBDIVISION/MODEL: | REEDY BRANCH                               |
| LOT #:             | 63                                         |
| DELIVERY ADDRESS:  | 104 SMITH FARMS DR<br>LILLINGTON, NC 27546 |
| REPAIR ID:         | MII-REP01A1 (ATTACHED)                     |



| TOTAL NUMBER OF NAILS EACH SIDE OF BREAK * |     | X INCHES | MAXIMUM FORCE (lbs) 15% LOAD DURATION |      |      |      |      |      |      |      |
|--------------------------------------------|-----|----------|---------------------------------------|------|------|------|------|------|------|------|
|                                            |     |          | SP                                    |      | DF   |      | SPF  |      | HF   |      |
| 2x4                                        | 2x6 |          | 2x4                                   | 2x6  | 2x4  | 2x6  | 2x4  | 2x6  | 2x4  | 2x6  |
| 20                                         | 30  | 24"      | 1706                                  | 2559 | 1561 | 2342 | 1320 | 1980 | 1352 | 2028 |
| 26                                         | 39  | 30"      | 2194                                  | 3291 | 2007 | 3011 | 1697 | 2546 | 1738 | 2608 |
| 32                                         | 48  | 36"      | 2681                                  | 4022 | 2454 | 3681 | 2074 | 3111 | 2125 | 3187 |
| 38                                         | 57  | 42"      | 3169                                  | 4754 | 2900 | 4350 | 2451 | 3677 | 2511 | 3767 |
| 44                                         | 66  | 48"      | 3657                                  | 5485 | 3346 | 5019 | 2829 | 4243 | 2898 | 4347 |

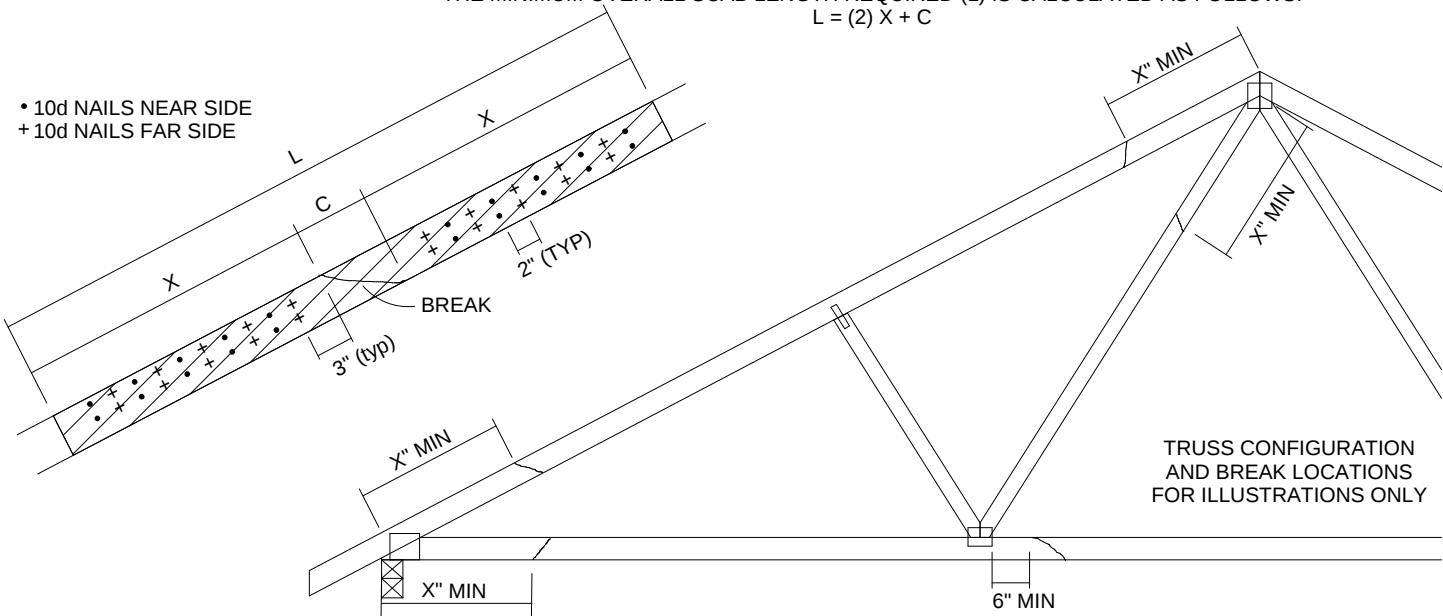
\* DIVIDE EQUALLY FRONT AND BACK

ATTACH 2x SCAB OF THE SAME SIZE AND GRADE AS THE BROKEN MEMBER TO EACH FACE OF THE TRUSS (CENTER ON BREAK OR SPLICE) WITH 10d (0.131" X 3") NAILS (TWO ROWS FOR 2x4, THREE ROWS FOR 2x6) SPACED 4" O.C. AS SHOWN. STAGGER NAIL SPACING FROM FRONT FACE AND BACK FACE FOR A NET 0-2-0 O.C. SPACING IN THE MAIN MEMBER. USE A MIN. 0-3-0 MEMBER END DISTANCE.

THE LENGTH OF THE BREAK (C) SHALL NOT EXCEED 12". (C=PLATE LENGTH FOR SPLICE REPAIRS)

THE MINIMUM OVERALL SCAB LENGTH REQUIRED (L) IS CALCULATED AS FOLLOWS:

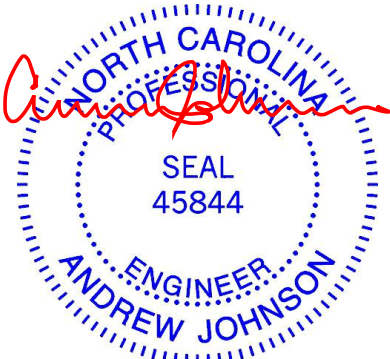
$L = (2) \times X + C$



THE LOCATION OF THE BREAK MUST BE GREATER THAN OR EQUAL TO THE REQUIRED X DIMENSION FROM ANY PERIMETER BREAK OR HEEL JOINT AND A MINIMUM OF 6" FROM ANY INTERIOR JOINT (SEE SKETCH ABOVE)

DO NOT USE REPAIR FOR JOINT SPLICES

- NOTES:
1. THIS REPAIR DETAIL IS TO BE USED ONLY FOR THE APPLICATION SHOWN. THIS REPAIR DOES NOT IMPLY THAT THE REMAINING PORTION OF THE TRUSS IS UNDAMAGED. THE ENTIRE TRUSS SHALL BE INSPECTED TO VERIFY THAT NO FURTHER REPAIRS ARE REQUIRED. WHEN THE REQUIRED REPAIRS ARE PROPERLY APPLIED, THE TRUSS WILL BE CAPABLE OF SUPPORTING THE LOADS INDICATED.
  2. ALL MEMBERS MUST BE RETURNED TO THEIR ORIGINAL POSITIONS BEFORE APPLYING REPAIR AND HELD IN PLACE DURING APPLICATION OF REPAIR.
  3. THE END DISTANCE, EDGE DISTANCE AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
  4. WHEN NAILING THE SCABS, THE USE OF A BACKUP WEIGHT IS RECOMMENDED TO AVOID LOOSENING OF THE CONNECTOR PLATES AT THE JOINTS OR SPLICES.
  5. THIS REPAIR IS TO BE USED FOR SINGLE PLY TRUSSES IN THE 2x ORIENTATION ONLY.
  6. THIS REPAIR IS LIMITED TO TRUSSES WITH NO MORE THAN THREE BROKEN MEMBERS.



June 9,2024

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute ([www.tpinst.org](http://www.tpinst.org)) and **BCSI Building Component Safety Information** available from the Structural Building Component Association ([www.sbcacomponents.com](http://www.sbcacomponents.com))

ENGINEERING BY  
**TRENCO**  
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