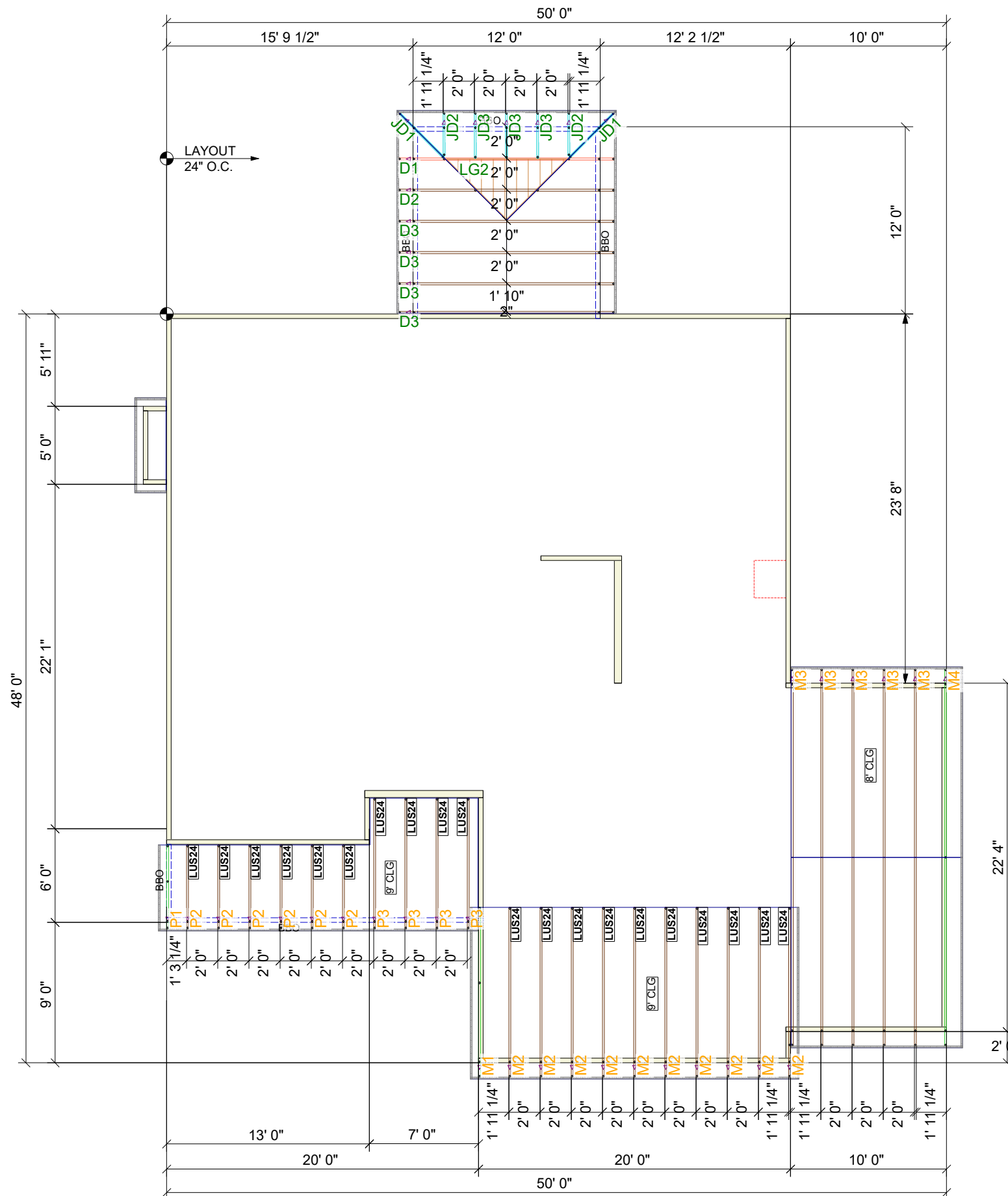


DO NOT CUT, DRILL, NOTCH, OR OTHERWISE DAMAGE TRUSSES. Contact your BFS Representative for assistance PRIOR TO modifying any truss. **Espanol - (NO CORTE, PERFORA, HAGA MUESCAS O DANE DE CUALQUIER OTRA MANERA LAS TRUSSES (CERCHAS DE MADERA). Contacte a su representante de BFS para asistencia ANTES de realizar cualquier modificación.)**

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- The responsibilities of the Owner, Building Designer, Contractor, Truss Designer, and Truss Manufacturer shall be as defined by the TPI 1 National Standard.
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- Truss Top Chords shall be fully sheathed or have lateral bracing (purlins) spaced at 24" O.C. or less. Truss Bottom Chord Bracing shall not exceed the maximum shown on the Truss Design Drawing. Field framed bottom chord floor or ceiling attachments shall be spaced at 24" O.C. or less. Proper Bracing prevents buckling of individual truss members due to design loads.
- This Placement Diagram is based upon the supporting structure being structurally adequate, dimensionally correct, square, plumb, and level to adequately support the trusses. The foundation design, structural member sizing, load transfer, bearing conditions, and the structure's compliance with the applicable building code are the responsibility of the Owner, Building Designer, and Contractor.
- If Piggyback Trusses are included in this project, refer to the Mitek Piggyback Connection Detail applicable for the project details and wind load category.
- The Contractor shall follow the SBCA TTB Partition Separation Prevention and Solutions for truss attachment to non-load bearing walls and carefully complete these details to avoid gypsum wall board related issues.

**WARNING:**  
TRUSSES MUST BE BRACED DURING INSTALLATION. FAILURE TO DO SO MAY RESULT IN INJURY OR DEATH. **Espanol - (TRUSSES (CERCHAS) DEBERAN TENER UN SOPORTE DURANTE LA INSTALACION. NO HACERLO PODRIA RESULTAR EN LESIONES O MUERTE.)**

- Trusses shall be installed in a safe manner meeting all code, local, OSHA, TPI, and BCSI Specifications. Failure to follow these specifications may result in injury or death.
- Buildings under construction are vulnerable to high winds and present a possible safety hazard. The Contractor is responsible for recognizing adverse weather conditions and shall take appropriate action to prevent injury or death.
- BCSI INSTRUCTIONS SHALL BE FOLLOWED:**  
BCSI-B1 = Safe Truss Handling and Installation  
BCSI-B2 = Installation and Temporary Restraint  
BCSI-B3 = Permanent Restraint  
BCSI-B4 = Safe Construction Loading  
BCSI-B5 = Truss Damage and Modification Guidelines  
BCSI-B7 = Floor Truss Installation  
BCSI-B8 = Toe-Nailed Connections  
BCSI-B9 = Multi-Ply Girders  
BCSI-B10 = Post Frame Truss Installation  
BCSI-B11 = Fall Protection
- Follow TPI Requirements for Long Span Trusses (>60').



# LOWER ROOF

## RESIDENTIAL ENGINEERING SERVICES, LLC. SHOP DRAWINGS/SUBMITTAL REVIEW

SUBMITTAL WAS REVIEWED FOR DESIGN CONFORMITY AND GENERAL CONFORMANCE TO CONTRACT DOCUMENTS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS AT JOBSITE FOR TOLERANCE, CLEARANCE, QUANTITIES, FABRICATION, COORDINATION OF HIS OR HER WORK WITH OTHER TRADES, AND FULL COMPLIANCE WITH CONTRACT DOCUMENTS.

STATUS:  
**APPROVED**

11.30.2020

REVIEWED BY:  
**BH**

ENGINEER, RESIDENTIAL ENGINEERING SERVICES, LLC.

### DESIGN LOADS:

- 25 PSF TCLL
- 10 PSF TC DL
- 10 PSF BC DL

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**Builders**  
**FirstSource**



JOB No.	2538813
DESCRIPTION	Summit Homes - 3 Woodside
JOB ADDRESS	Lee's Summit, MO
CITY	Lee's Summit, MO
DESIGNER	Scott Cleverger
DATE	11/11/2020

**RELEASE FOR CONSTRUCTION**  
**AS NOTED ON PLANS REVIEW**  
**DEVELOPMENT SERVICES**  
**LEE'S SUMMIT, MISSOURI**

12/02/2020

**ROOF**  
TRUSS LAYOUT

PAGE

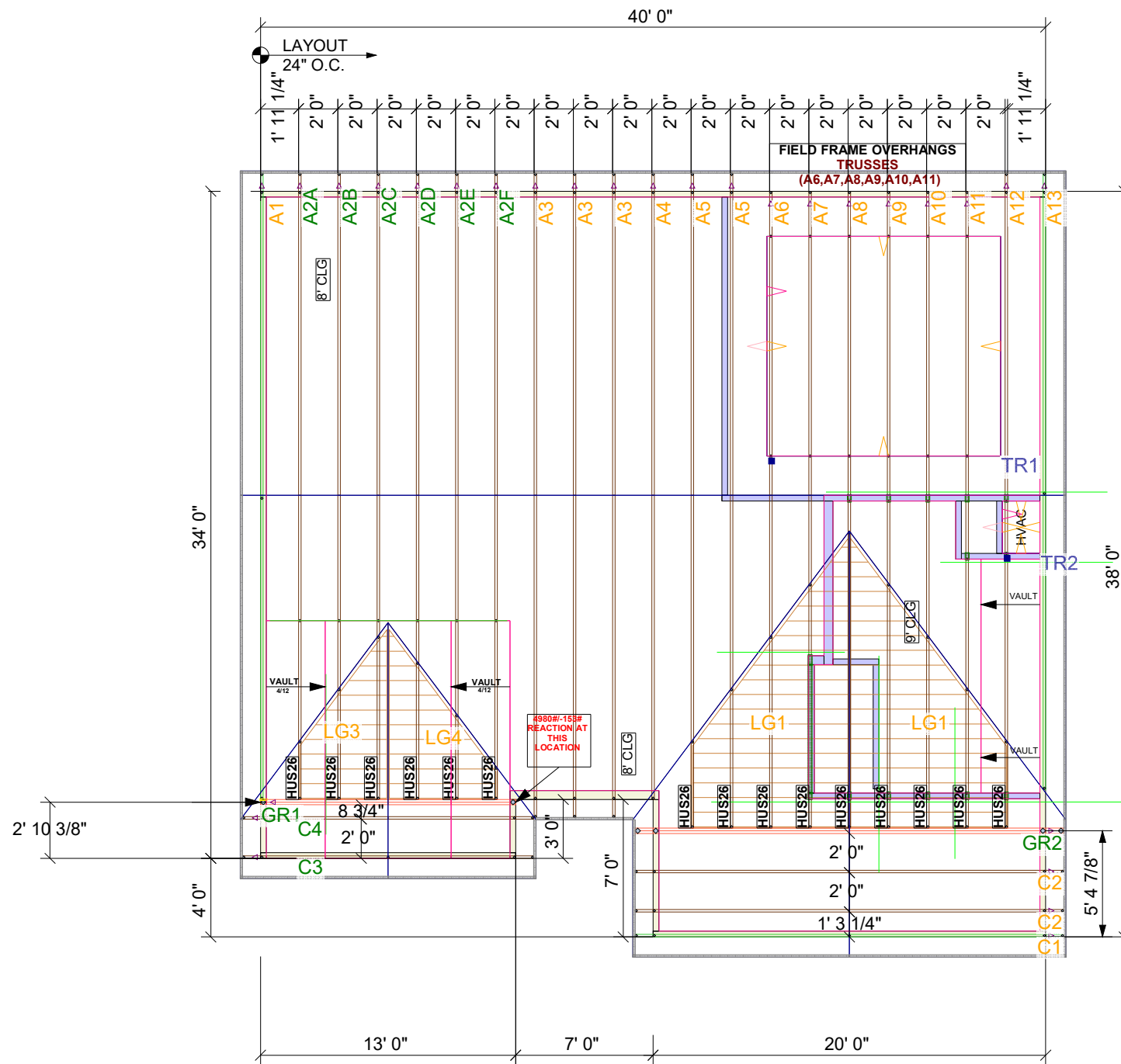
**1 of 1**

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# UPPER ROOF

FRONT TO BACK PITCH 6/12 - (4/12 PORCH/GARAGE)  
SOFFIT DESIGNED FOR 12"  
HEEL HEIGHT 7 - 1/4" - ( 3-15/16)

RIGHT TO LEFT PITCH 8/12  
SOFFIT DESIGNED FOR 12"  
HEEL HEIGHT 9 - 5/16"

MAIN LEVEL WALL HEIGHT 9' 1-1/8"  
UPPER LEVEL WALL HEIGHT 8' 1-1/8"  
EXTERIOR WALL 2X4

12" BOX VAULT IN MASTER BEDROOM  
VAULTED CEILING IN MASTE BATH  
4/12 VAULT UP 1' IN BEDROOM #2

ALL OTHER CEILINGS ARE FLAT  
UNLESS NOTED OTHERWISE  
SEE LAYOUT FOR INFORMATION DIFFERENT FROM ABOVE STANDARDS

HNGR	QTY	CARRIED MBR
LUS24	20	P2, P3, M2
HUS26	15	A2A, A2B, A2C, A2D, A2E, A2F, A5, A6, A7, A8, A9, A10, A11, A12
H2.5A	150	ALL ROOF TRUSSES TO BE CONNECTED TO THE TOP PLATE WITH H2.5A HURRICANE CLIPS AND/OR ANY GIRDER UPLIFT OR SPECIAL UPLIFT NOTED WITH APPROPRIATE CONNECTOR.

ROOF AREA: 2702.56  
HORIZONTAL OVERHANG: 184.5  
RIDGE LINES: 1: 93.82  
VALLEY LINES: 66.72  
RAKED OVERHANG: 195.97

**RESIDENTIAL ENGINEERING SERVICES, LLC.**  
SHOP DRAWINGS/SUBMITTAL REVIEW

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STATUS:  
**APPROVED**

11.30.2020

REVIEWED BY:  
**BH**

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AS NOTED ON PLANS REVIEW  
ENGINEER, RESIDENTIAL ENGINEERING SERVICES, LLC  
LEE'S SUMMIT, MISSOURI

**DESIGN LOADS:**  
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10 PSF TCDD  
10 PSF BCDD

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