DO NOT CUT, DRILL, NOTCH, OR OTHERWISE DAMAGE TRUSSES. Contact your BFS Representative for assistance PRIOR TO modifying any truss. Espanol - (NO CORTE, PERFORE, 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.)

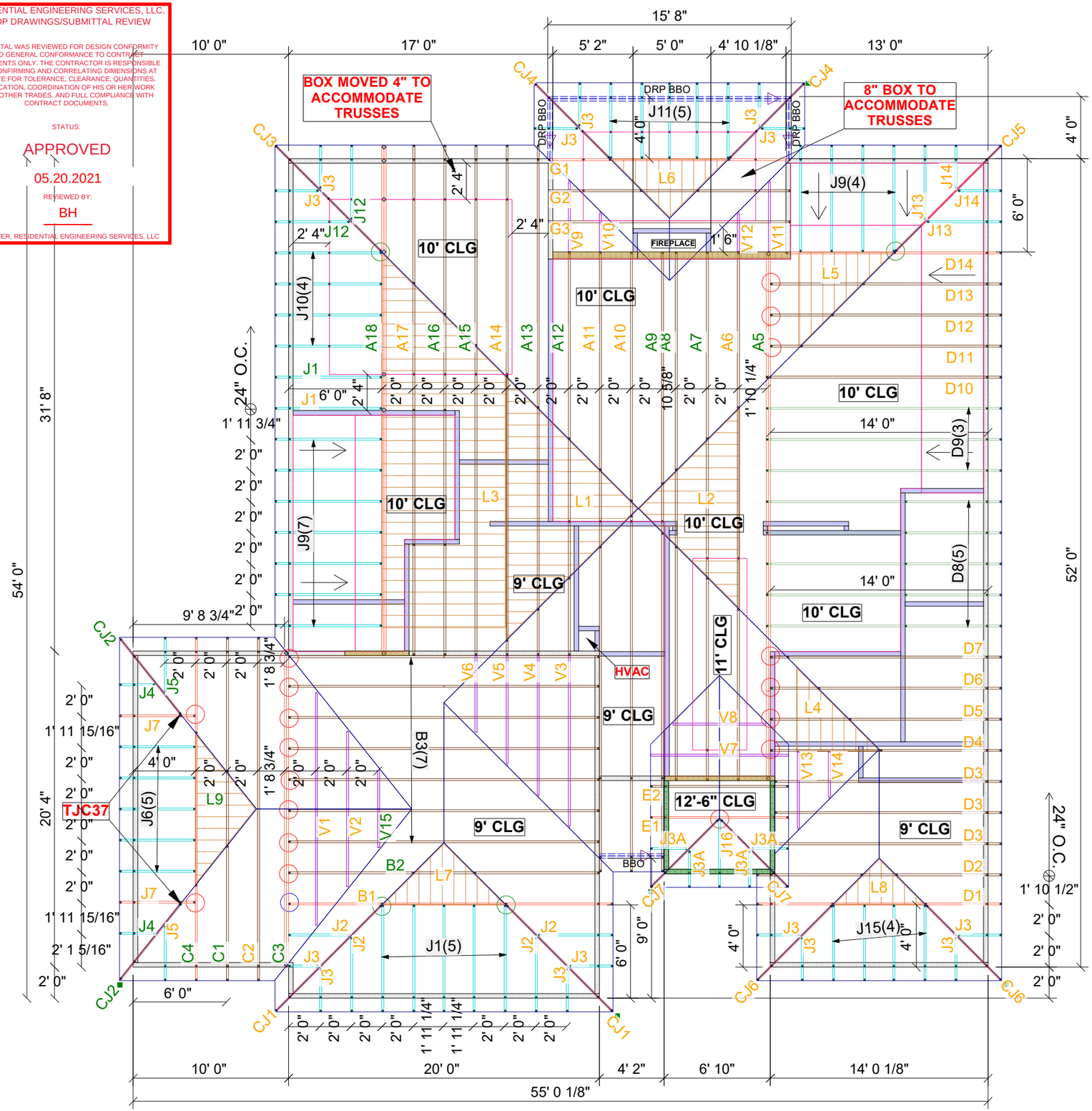
1. This Truss Placement Diagram is intended to serve as a guide for truss installation. This Diagram has been prepared by a Truss Technician and is not an engineered drawing.
2. The responsibilities of the Owner, Building Designer, Contractor, Truss Designer, and Truss Manufacturer shall be as defined by the TPI 1 National Standard.
3. The wood components shown on this diagram are to be used in dry service (moisture content<19%) and non-toxic environmental applications. The metal plates and hangers are galvanized to the G60 Standard unless noted otherwise.
4. Refer to the Truss Design Drawings for specific information about each individual truss design.
5. The Truss Technician shall provide Truss-to-Truss Connection Requirements. Any special or other connection shall be the responsibility of the Building Designer.
6. The Truss Placement Diagram and Truss Design Drawings are the property of Builders FirstSource and may not be reused or reproduced in part or in total under any circumstances without prior written authorization.
7. In some cases, field framing may be required to achieve the final appearance shown on the Construction Documents.
8. Field framing, including valley rafters, installed over roof trusses shall have a knee brace from the rafter to the truss top chord at intervals of 48" on center (O.C.) or less. Stagger knee braces from adjacent rafters such that the load is distributed uniformly over multiple truss locations and not concentrated at one location or along one truss.
9. 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.
10. 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.
11. If Piggyback Trusses are included in this project, refer to the Mitek Piggyback Connection Detail applicable for the project details and wind load category.
12. 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.)
1. 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.
2. 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.
3. 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
4. Follow TPI Requirements for Long Span Trusses (>60').

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
05.20.2021
REVIEWED BY:
BH
ENGINEER, RESIDENTIAL ENGINEERING SERVICES, LLC



9' 1-1/8" TYP WALL HEIGHTS
- 10' 1-1/8" WALL HT
- 12' 6-1/8" WALL HT

PITCH 4/12
SOFFIT DESIGNED FOR 12"
HEEL HEIGHT 5-3/16"

PITCH 5/12
SOFFIT DESIGNED FOR 12"
HEEL HEIGHT 6-3/16"

WALL HEIGHT 9' 1-1/8"
EXTERIOR WALL 2X4 & 2X6

VAULT PITCH 3/12

UNLESS NOTED OTHERWISE
SEE LAYOUT FOR INFO DIFFERENT
FROM ABOVE STANDARDS

Roof Plane
Hip Lines,233.48
Horizontal Overhang Lines,269.5
Raked Overhang Lines,8.19
Ridge Lines1,39.21
Roof Area,3034.25
Valley Lines,93.92

HANGER	QTY	LOCATION			
H2.5A	20	TRUSS TO BEAM/WALL TIE DOWN			
SDWC15600	150	TRUSS TO WALL TIE DOWN			
LUS24	18		○	○	○
HUS26	1		○	○	○
LTHJA26	4		○	○	○

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
CODES ADMINISTRATION
LEE'S SUMMIT, MISSOURI
BY
DATE

Brandon Kalwei
Digitally signed by Brandon Kalwei
DN: CN=Brandon Kalwei, OU=Development, OU=LS Users, DC=COLS, DC=LOC
Date: 2021.05.27 10:13:21-05'00'

DESIGN LOADS:
25 PSF TCLL
10 PSF TCDL
10 PSF BCDL

PROPER HANDLING OF TRUSSES SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CREW AT THE JOBSITE. TEMPORARY AND PERMANENT BRACING FOR HOLDING TRUSSES PLUMB AND FOR RESISTING LATERAL FORCES SHALL BE DESIGNED AND INSTALLED BY OTHERS. NO LOADS OTHER THAN THE INTALLERS ARE TO BE APPLIED TO TRUSSES UNTIL AFTER ALL BRACING AND FASTENING IS COMPLETED. AT NO TIME SHALL CONCENTRATED LOADS GREATER THAN DESIGN LOADS BE APPLIED TO THE TRUSSES. ALL TRUSS TO FRAMING CONNECTIONS ARE RECOMMENDATIONS ONLY AND NEED TO BE SPECIFIED BY THE BUILDING DESIGNER. TRUSSES ARE CAPABLE OF BEING MOVED (+/-) 4in. EITHER DIRECTION

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JOB No.	2770190
DESCRIPTION	SUMMIT HOMES - HAWTHORN RIDGE #159
JOB ADDRESS	3104 W ARBORIDGE DR
CITY	LEE'S SUMMIT, MO 64082
DESIGNER	TODD W MOORE
DATE	4/30/2021

ROOF
TRUSS LAYOUT

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