

4. Refer to the Truss Design Drawings for

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

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 brawing, Freid frames bottom conditions 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.

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 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

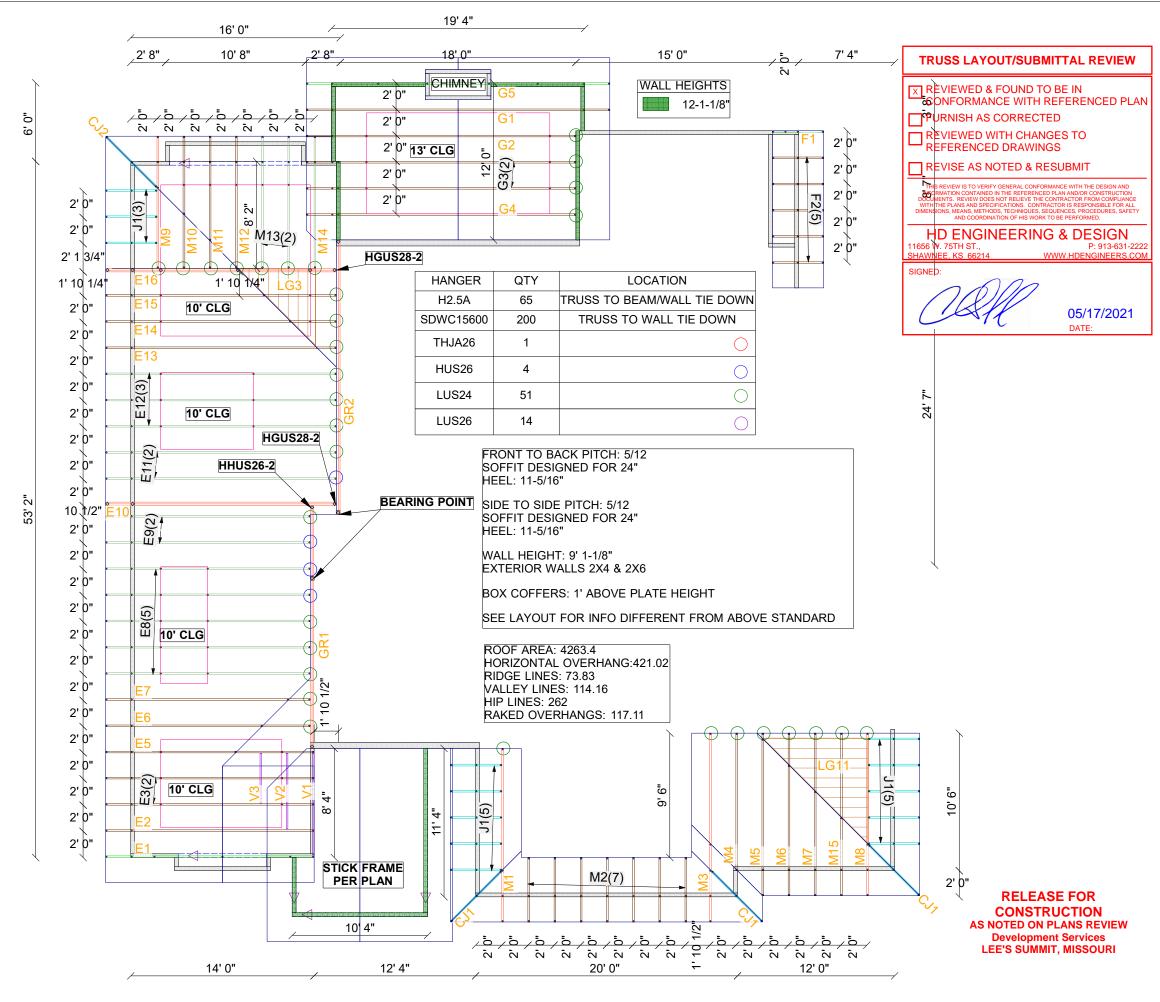
hazard. The Contractor is responsible for recognizing adverse weather conditions and shall take appropriate action to prevent injury or

oeatm.
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



DESIGN LOADS:

25 PSF TCLL 10 PSF TCDL 10 PSF BCDL

INSTALLATION
DR HOLDING
SIGNED AND
TO BE APPLIED
D. AT NO TIME
PLIED TO THE
ATIONS ONLY
RE CAPABLE OF

WWW.BLDR. Builders FirstSourc



2684039	ROESER - LOT 1475 WINTERSET VALLEY - 1ST LVL	3022 THOREAU PLACE	LEE'S SUMMIT, MO 64081	TODD W MOORE	5/5/2021
JOB No.	DESCRIPTION	JOB ADDRESS	CITY	DESIGNER	DATE

ROOF TRUSS LAYOUT

PAGE 1 of 1 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 modification.)

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

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.

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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:

2' 0"

2' 0"

2' 0"

J7(2)

16' 1 1/2"

J9(4)

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

shall take appropriate action to prevent injury or 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

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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').

J17(3) 7(3) 9' CLG ōω <u>_</u> 12 1' 8 1/4" 2' 0" 2' 0" **7**1'4" 2' b" 2' 0" 2' 0" 2' 0" 2'0" 2' 0" 20, 2' 0" 2' 0" J19(2'0" 2' 0" 5' 1 3/4" <u>.</u> B10 2' 0" 2' 0" 2' 0" 1']1" 1' 5" 2' 0"9' CLG 2' 0" 2' 0" 2' 0" B6 15/ 2' 0" J21 2' 0" 2' 0" <u>√</u> <u>₹</u>√ 2' 0" 2' 0 1/2" 2' 0 1/2" J23(2) 2' 0" 2' 0" B3 <u>∞</u> 2' 0" 2' 0" 9' CLG 2' 0" 2' þ\

2' 0"

2' 0"

2' 0"

2' 0"

2' 0"

2' 0"

9' CLG 2' 0"

13' 0"

HANGER	QTY	LOCATION
H2.5A	65	TRUSS TO BEAM/WALL TIE DOWN
SDWC15600	200	TRUSS TO WALL TIE DOWN
THJA26	1	
HUS26	4	0
LUS24	51	
LUS26	14	0

FRONT TO BACK PITCH: 5/12 SOFFIT DESIGNED FOR 24" HEEL: 1'-2" @ 2ND FLOOR

SIDE TO SIDE PITCH: 5/12 SOFFIT DESIGNED FOR 24" HEEL: 1'-2" @ 2ND FLOOR

WALL HEIGHT: 8' 1-1/8" **EXTERIOR WALLS 2X4 & 2X6**

BOX COFFERS: 1' ABOVE PLATE HEIGHT

SEE LAYOUT FOR INFO DIFFERENT FROM ABOVE STANDARD

ROOF AREA: 4263.4 HORIZONTAL OVERHANG:421.02 RIDGE LINES: 73.83 VALLEY LINES: 114.16 HIP LINES: 262

RAKED OVERHANGS: 117.11

1' 11 7/8"

2' 6 1/8"

→ J13(4)

13' 6"



TRUSS LAYOUT/SUBMITTAL REVIEW
REVIEWED & FOUND TO BE IN CONFORMANCE WITH REFERENCED PLAN
FURNISH AS CORRECTED
REVIEWED WITH CHANGES TO
REVISE AS NOTED & RESUBMIT
THIS REVIEW IS TO VERIFY GENERAL CONFORMANCE WITH THE DESIGN AND INFORMATION CONTAINED IN THE REFERENCED PLAN ANDIOR CONSTRUCTION DOCUMENTS. REVIEW DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE PLANS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS, MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, SAFETY AND COORDINATION OF HIS WORK TO BE PERFORMED.
HD ENGINEERING & DESIGN 11656 W. 75TH ST., P: 913-631-222
SHAWNEE, KS 66214 WWW.HDENGINEERS.COM
SIGNED:
0000
05/17/2021

RELEASE FOR **CONSTRUCTION**OF

Development Services LEE'S SUMMIT, MISSOURI of

WWW.BLDR. Builders FirstSourc

DESIGN LOADS:

25 PSF TCLL

10 PSF TCDL 10 PSF BCDL

ROPER 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 STALL SHOWN CONNECTIONS ARE RECOMMENDATIONS ONLY AND NEED TO BE SECLIFIED BY THE BUILDING DESIGNER. TRUSSES ARE CAPABLE OF BEING MOVED 14/1-3 din. ETHER DIRECTION.

AS NOTED ON PLANS BEWENNT