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.
6. The Truss Placement Diagram and Truss Design

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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 nembers 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

11. If Piggyback Trusses are included in this project, refer to the Mitek Piggyback Connection Detail applicable for the project details and wind load

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.)

 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

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

50' 0" 40' 0" 10' 0" M15(3)2' 0' 2' 0" 18' 9 3/4" 2' 0" 5' 0" 6' 0" D4 FRONT TO BACK PITCH: 6/12 SOFFIT DESIGNED FOR: 10-1/2" 3/12 VAULT HEEL HEIGHT: 7-5/8" SIDE TO SIDE PITCH: 8/12 6' 0" 10' CEILING SOFFIT DESIGNED FOR: 10-1/2" 2 HEEL HEIGHT: 10-1/4" LAYOUT <u>7</u> 24" O.C. BOX VAULTS/COFFERS AT BEDROOM #1. GREAT ROOM, KITCHEN, & FOYER 10' CEILING WALL HEIGHT: 9'-1-1/8" 3/12 VAULT **EXTERIOR WALLS: 2X4** M21(6) UNLESS NOTED OTHERWISE SEE LAYOUT FOR INFORMATION DIFFERENT FROM ABOVE STANDARD 0 33' C7(3) 16(6) 10' CEILING M5(5)56' 4' 0" 2' 0" M5(9) 0 6 2' 0" M26(2)11,5/8" 6' 2" 2' 0" 2' 0" 11' 8" 6' 0" 22' 4" 10' 0" 50' 0"

DESIGN LOADS:

25 PSF TCLL 10 PSF TCDL 10 PSF BCDL

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CARRIED MBR B3-B5

ALL ROOF TRUSSES TO BE CONNECTED TO THE TOP PLATE WITH H2.5A HURRICAN CLIPS AND/OR ANY GIRDER UPLIFT OR SPECIAL

UPLIFT NOTED WITH APPROPRIATE CONNECTOR.

Roof Plane

Hip Lines, 155.98

Horizontal Overhang Lines,218.36 Raked Overhang Lines,73.46

Ridge Lines1,49.38

Roof Area,3178.09

Valley Lines,63.94

QTY

10

140

A.F.F. WALL HEIGHTS

8' 1-1/8"

10' 1-1/8'

HNGR

HUS26

H2.5A

APPROVED

SUBMITTAL WAS REVIEWED FOR DESIGN CONFORMITY AND GENERAL CONFORMANCE TO CONTRACT DOCUMENTS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRING AND CORRELATING DIMENSIONS AT JOBSITE FOR TOLERANCE, CLEARANCE, QUANTITIES, **FABRICATION PROCESSES AND**

TECHNIQUES OF CONSTRUCTION, COORDINATION OF HIS OR HER WORK WITH OTHER TRADES AND FULL COMPLIANCE WITH COMPRACT POCUMENTS.

REVIEWED BY RESIDENTIAL ENGINEERING SERVICES, LLC

ROOF TRUSS LAYOUT PAGE

DESCRIPTION JOB ADDRESS

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