

A OVER FRAMING DETAIL
SCALE 3/4" = 1'-0"

INTERNATIONAL RESIDENTIAL CODE 2006 (IRC 2006)

R502.7 LATERAL RESTRAINT AT SUPPORTS.

Laterally at the ends by full-depth solid blocking not less than 2 inches (51 mm) nominal thickness; or by attachment to a full-depth header, band or rim joist, or to an adjoining stud or rafter, or otherwise provided with lateral support to prevent rotation.

Exception: In Seismic Design Categories D0, D1 and D2, lateral restraint shall also be provided at each intermediate support.

R502.7.1 BRIDGING. Joists exceeding a nominal 2 inches by 12 inches (51 mm by 305 mm) shall be supported laterally by solid blocking, diagonal bracing (wood or metal), or a continuous 1-inch-by-3-inch (25.4 mm by 76 mm) strip nailed across the bottom of joists perpendicular to joists at intervals not exceeding 9 feet (2738 mm).

R502.7.2 HEADERS. For header spans see Tables R502.5(1) and R502.5(2).

R502.7.1 WOOD STRUCTURAL PANEL BOX HEADERS.

Wood structural panel box headers shall be constructed in accordance with the provisions of Section R502.7.2. Headers are not required in interior or exterior nonbearing walls. Load-bearing headers are not required in interior or exterior nonbearing walls. A single flat 2-inch-by-4-inch (51 mm by 102 mm) member may be used as a header in interior or exterior nonbearing walls for openings up to 8 feet (2438 mm) in width. The vertical distance between the top and bottom of the header shall not exceed 24 inches (610 mm). For such nonbearing headers, no cripples or blocking are required above the header.

R502.10.2 DESIGN. Wood trusses shall be designed in accordance with accepted engineering practice.

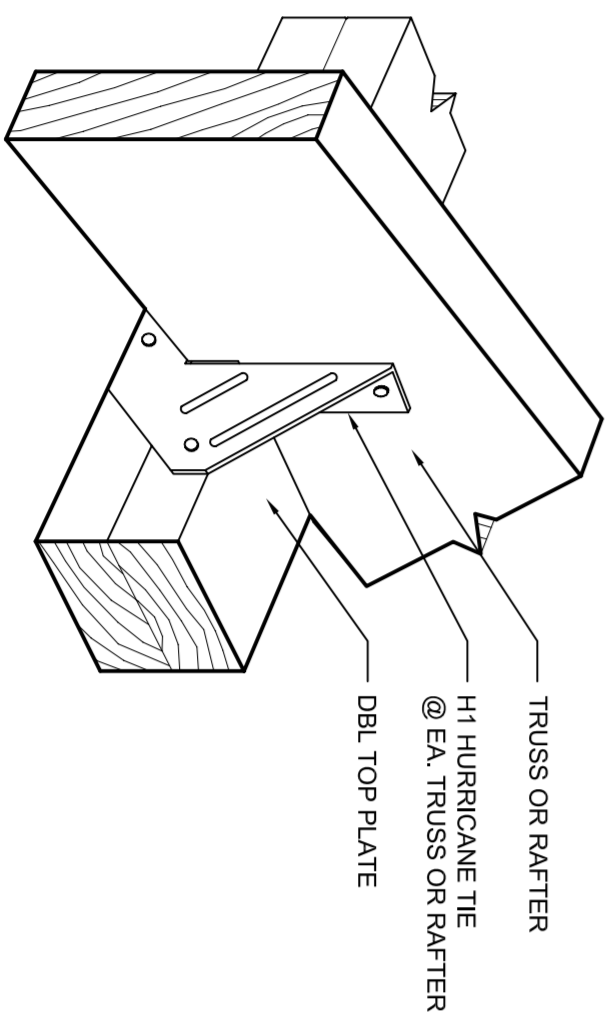
Wood trusses shall comply with ANSI/TPI-1. The truss design drawings shall be prepared by a registered professional where required by the statutes of the jurisdiction in which the project is to be constructed in accordance with Section R106.1.

R502.10.3 BRACING. Trusses shall be braced to prevent rotation and provide lateral stability in accordance with the requirements specified in the construction documents for the building and on the individual truss design drawings. In the absence of specific bracing requirements, trusses shall be braced in accordance with the provisions of Section R502.10.2. See also Section R502.10.3.1 for details on the design of Trusses for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

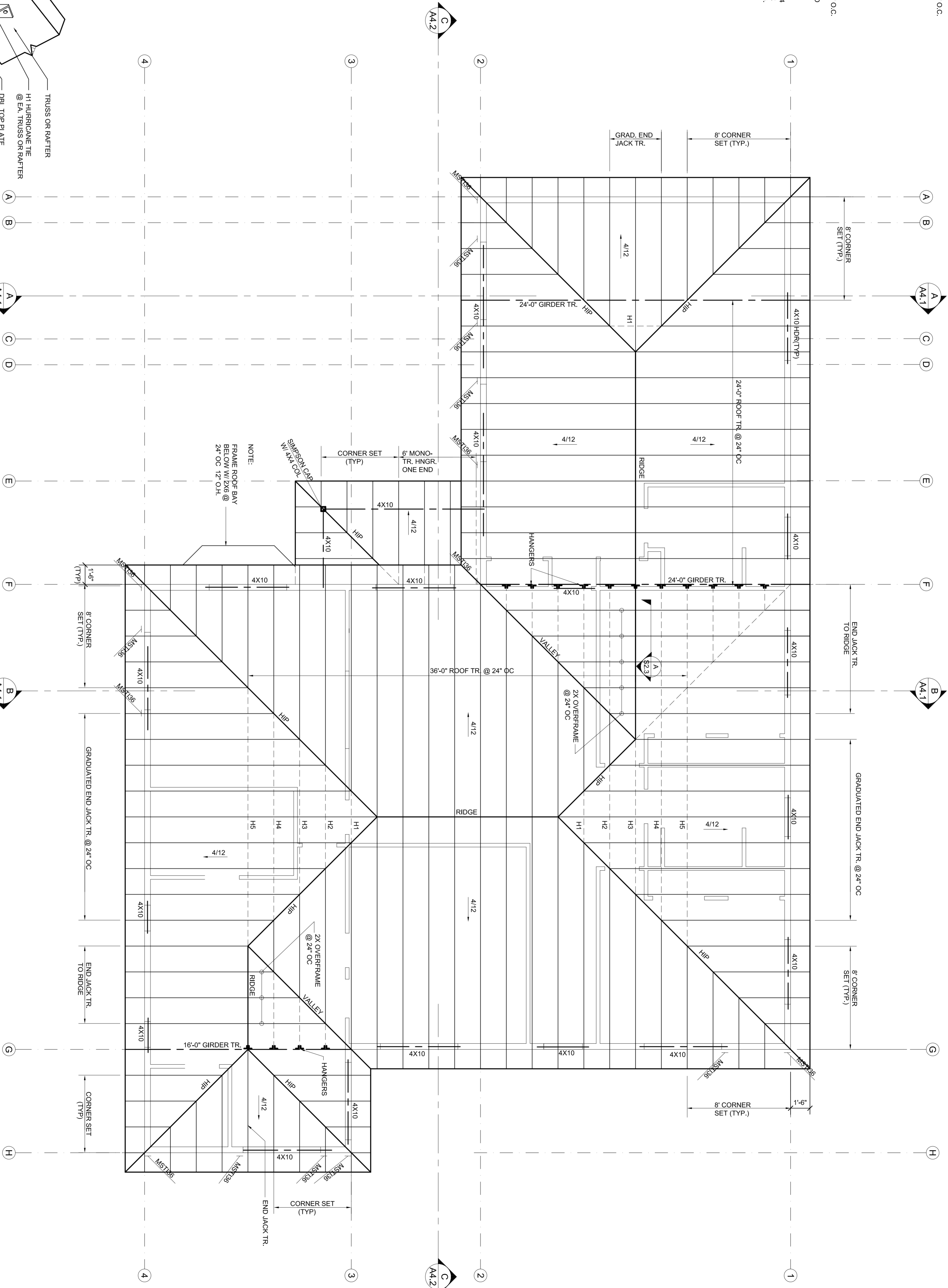
R502.1 VENTILATION REQUIRED. Enclosed attics and enclosed rafter spaces (unless where ceilings are applied directly to the underside of the roof sheathing) shall be ventilated to the exterior of the building. Ventilation shall be provided to the entrance of rain or snow. Ventilation openings shall be provided with corrosion-resistant wire mesh, with 1/8 inch (3.2 mm) minimum to 1/4 inch (6 mm) maximum openings.

R502.2 MINIMUM AREA. The total net free ventilation area shall not be less than 1/150 of the area of the space ventilated, except that reduction of the total area to 1/300 is permitted, provided that at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet (914 mm) above the finished floor level. The required ventilation provided by attic or cornice vents. As an alternative, the net free cross-ventilation area may be reduced to 1/300 when a vapor barrier having a transmission rate not exceeding 1 perm (5.7 x 10⁻¹¹ kg/s m² Pa) is installed on the warm-in-weather side of the ceiling.

R502.3 VENT AND INSULATION CLEARANCE. Where attic or cornice vents are installed, insulation shall not block the free flow of air. A minimum of a 1-inch (25 mm) space shall be provided between the insulation and the roof sheathing and at the location of the vent.



B H1 HURRICANE TIES
N.T.S. SIMPSON HURRICANE TIES



ROOF FRAMING PLAN
SCALE 1/4" = 1'-0" PERMIT SET (KINNETZ RESIDENCE) 02-10-2010
E.L.A. DESIGNS, LLC 2010
360-466-2510

NOTES:
1. ALL HEADERS TO BE 4X10 DF #2 UNLESS NOTED OTHER WISE.
2. ALL COLUMNS TO BE OF STRUCTURAL GRADE DF.

DATE: 02-10-2010
DESIGNED: E.L.A.
DRAWN: E.L.A.
JOB NO.: 0940
SHEET: S2.3

ROOF FRAMING PLAN

KINTZ RESIDENCE
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