

proper bottom chord plan restraint & bracing unless special bracing is shown in the structural drawings. Example of raked gable end wall (with scissors gable end frame) PERMANENT BRACING FOR SPECIAL CONDITIONS (2)2x6 "Sway" bracing shall be installed as shown to help stabilize the truss system and shown to help stabilize the truss system and minimize the lateral movement due to wind and seismic loads.

Sway bracing installed continuously across the building also serves to distribute gravity loads between trusses of varving stiffness. Permanent Restraint / Bracing for the Top Chord in a Piggyback Assembly

- Provide restraint and bracing by: using rows of minimum 4x2 stress-graded lumber CLR and
- diagonal bracing, or • connecting the CLR into the roof diaphragm, or
- adding structural sheathing or bracing frames, or
- some other equivalent means. =<45° type

Refer to the TDD for the maximum assumed spacing between rows of lateral restraint (e.g. purlins) attached to the top chord of the supporting

The TDD provides the assumed

thickness of the restraint and minimum connection requirements between the cap and the supporting truss or restraint.

If diagonal bracing is used to restra the CLR(s), repeat at 10' (3 m) intervals, or as specified in the construction documents.

Gable end

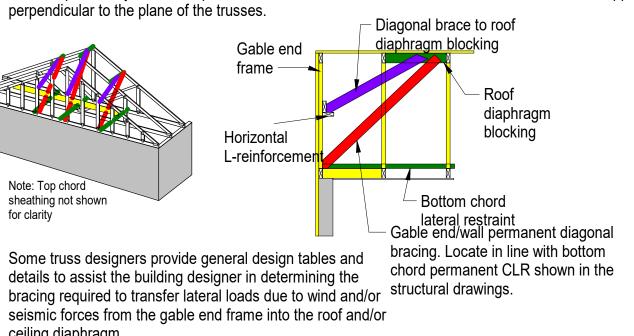
frame -

Horizontal

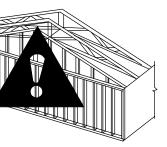
L-reinforceme

## WEB MEMBER PLANE PERMANENT BUILDING STABILITY BRACING

The web member restraint or reinforcement specified on a TDD is required to resist buckling due to axial forces caused by the in-plane loads applied to the truss. Additional restraint and bracing within the web member plane may also be required to transfer lateral forces due to wind and/or seismic loads applied



The gable end truss should always match the profile of the adjacent roof trusses to permit installation of





CLR (GREEN) at =< the spacing specified on the <del>truss design dra</del>wing

epeat diăgor bracing (RED) at 10' (3m) intervals, or as specified.



- Cap trusses

 CLR required only if bracing frame or structural sheathing is installed intermittently Bracing frame or structural sheathing

Supporting trusses

PROJECT



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Professional Certification: hereby certify that these documents were prepared or approved by me, and that I am a duly ensed professional engineer under the laws the state of Marvland. License Number: 07/09/24 Expiration Date: 23310



R	Date	Description
	10/13/2023	Permit Set

## **ROOF SECTIONS AND**

DETAILS Graphic Scale:

3/32" = 1'-0"

Project No:

2011

Date: 10/13/23 Drawing No:

