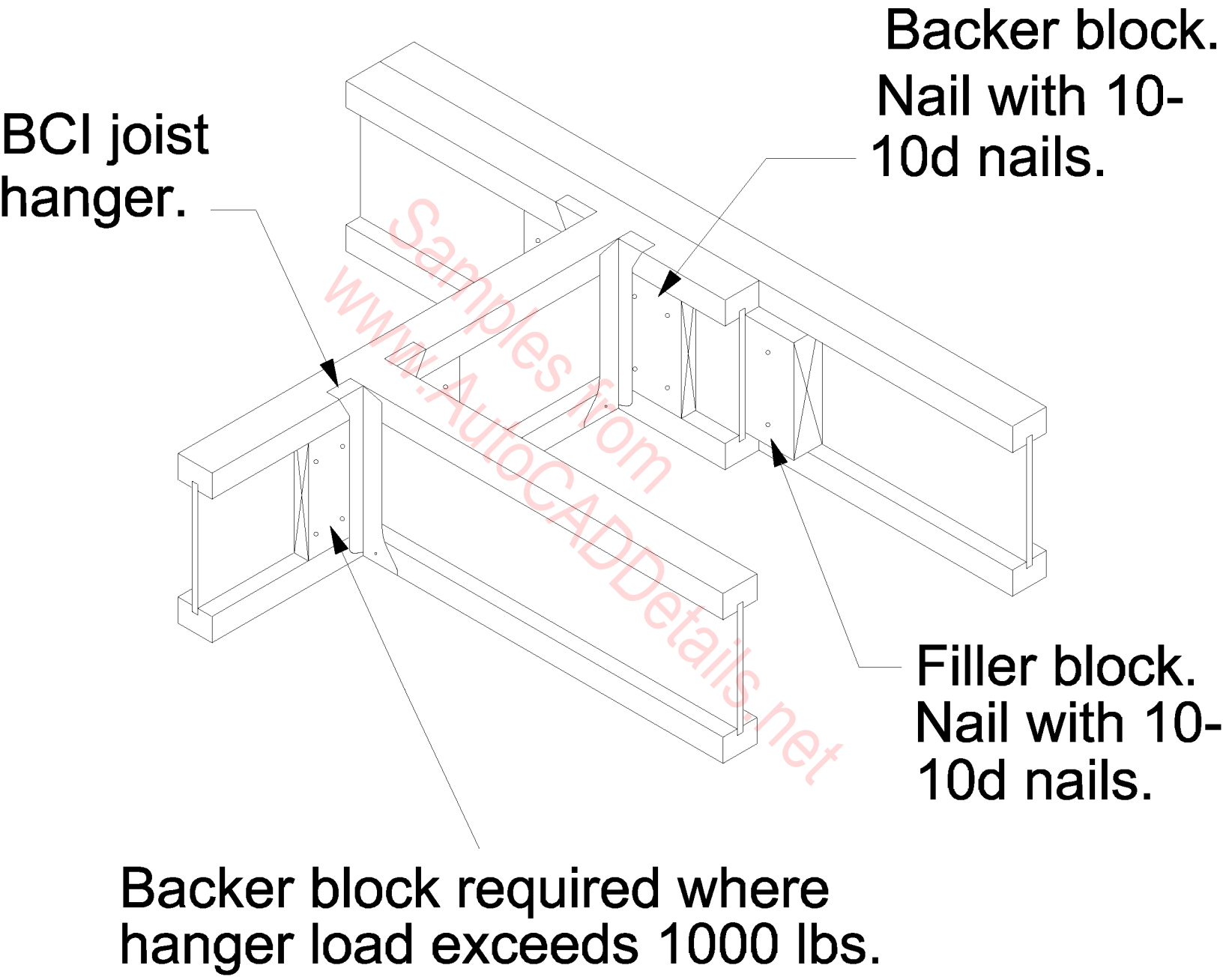
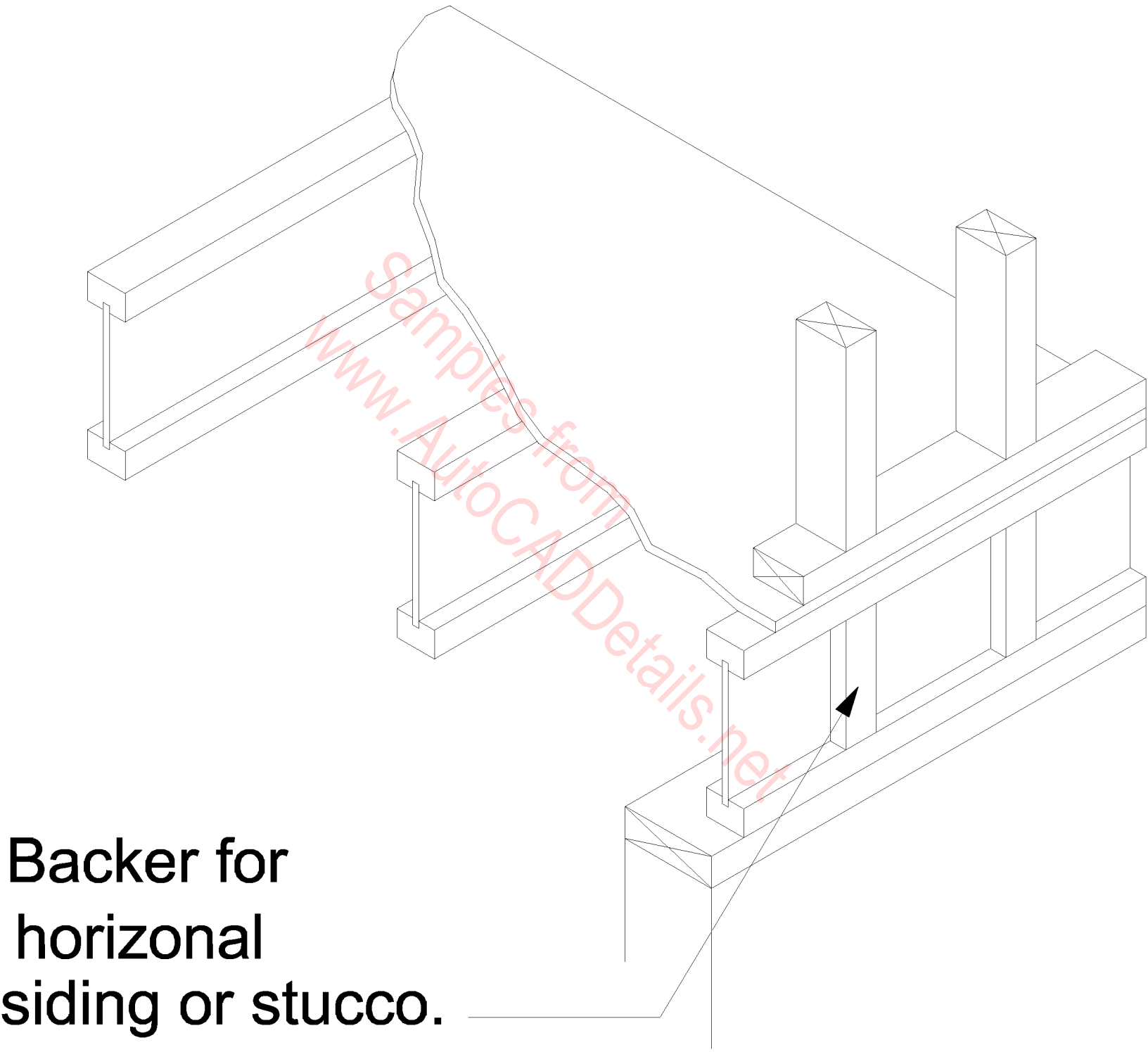
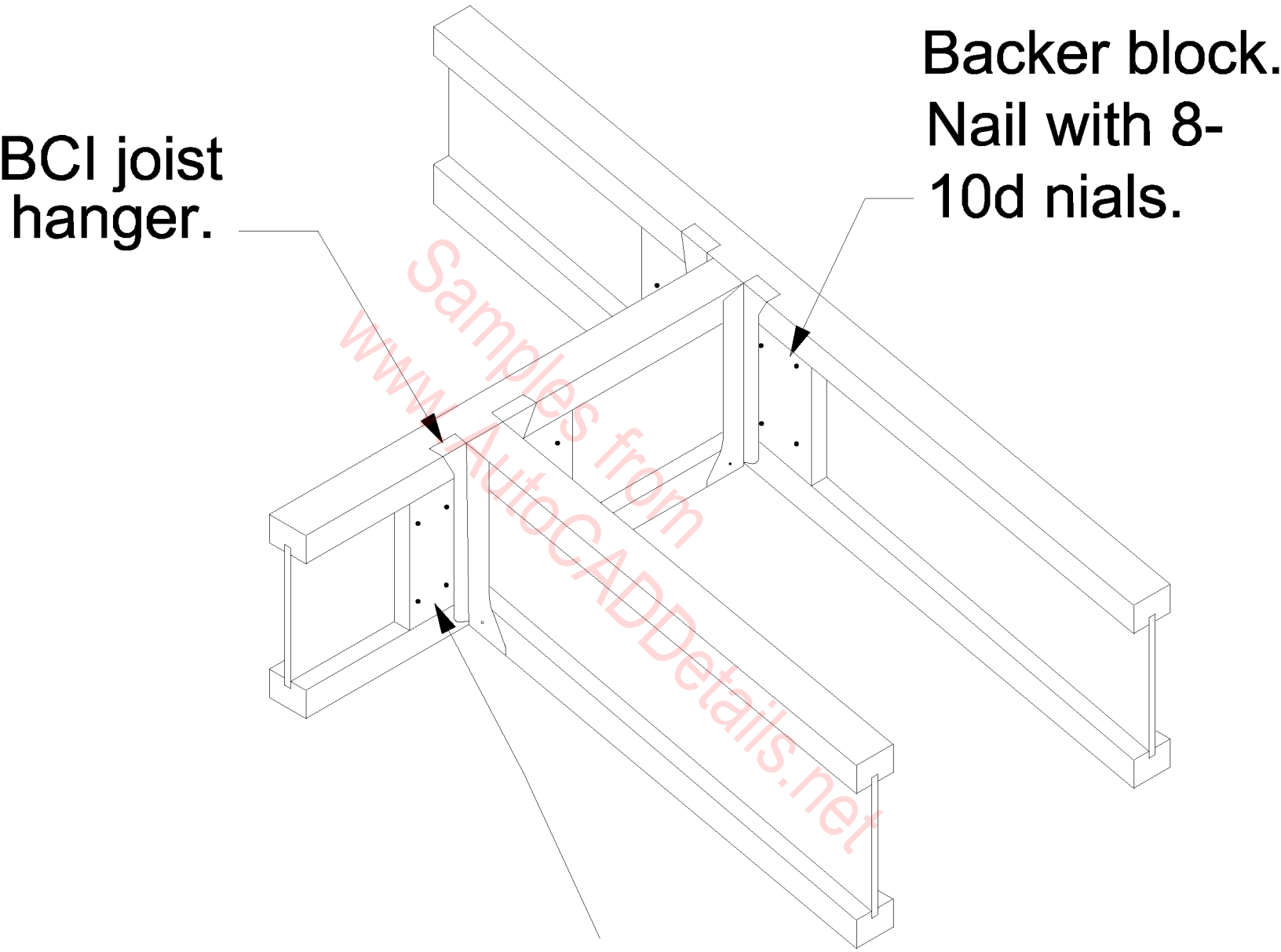
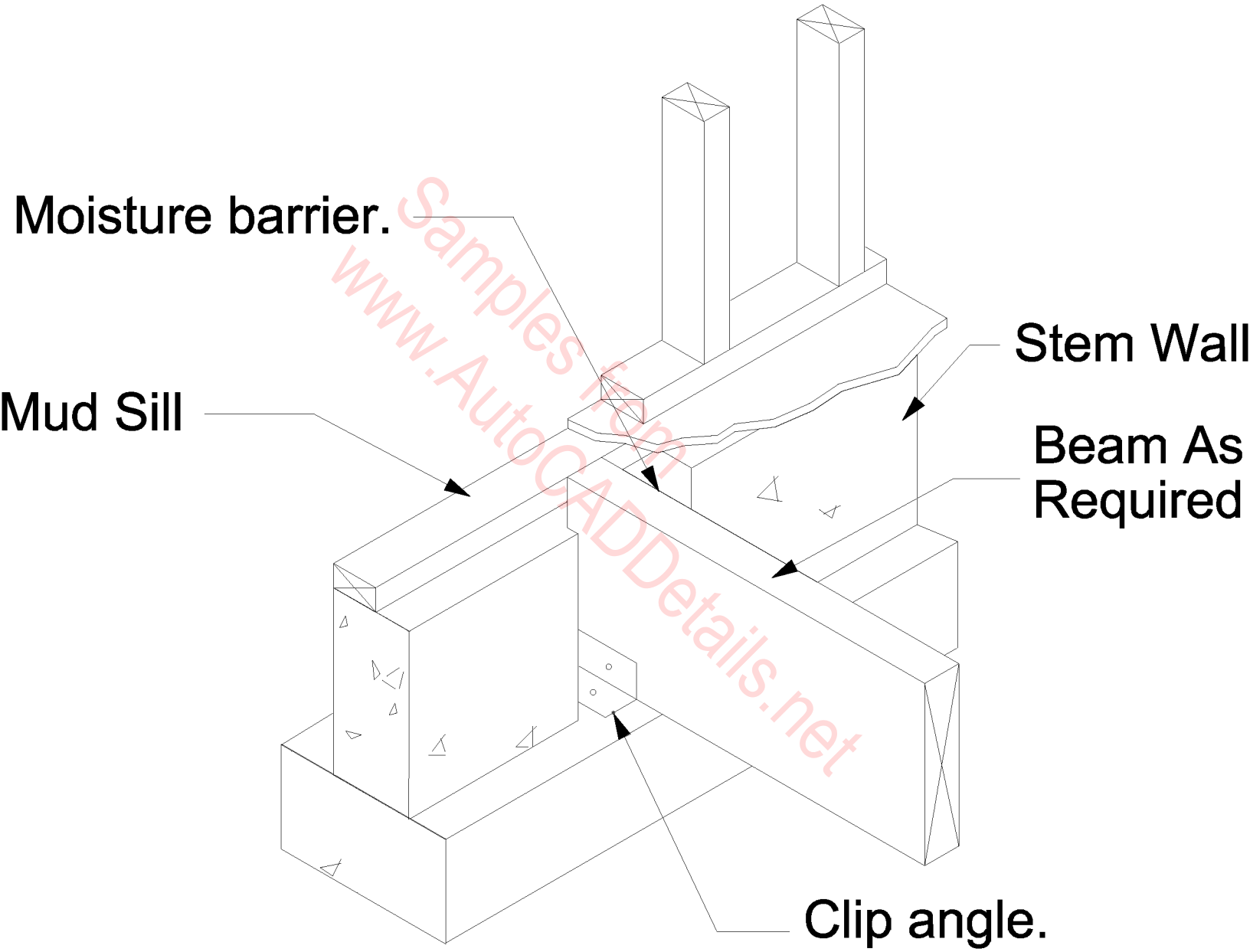


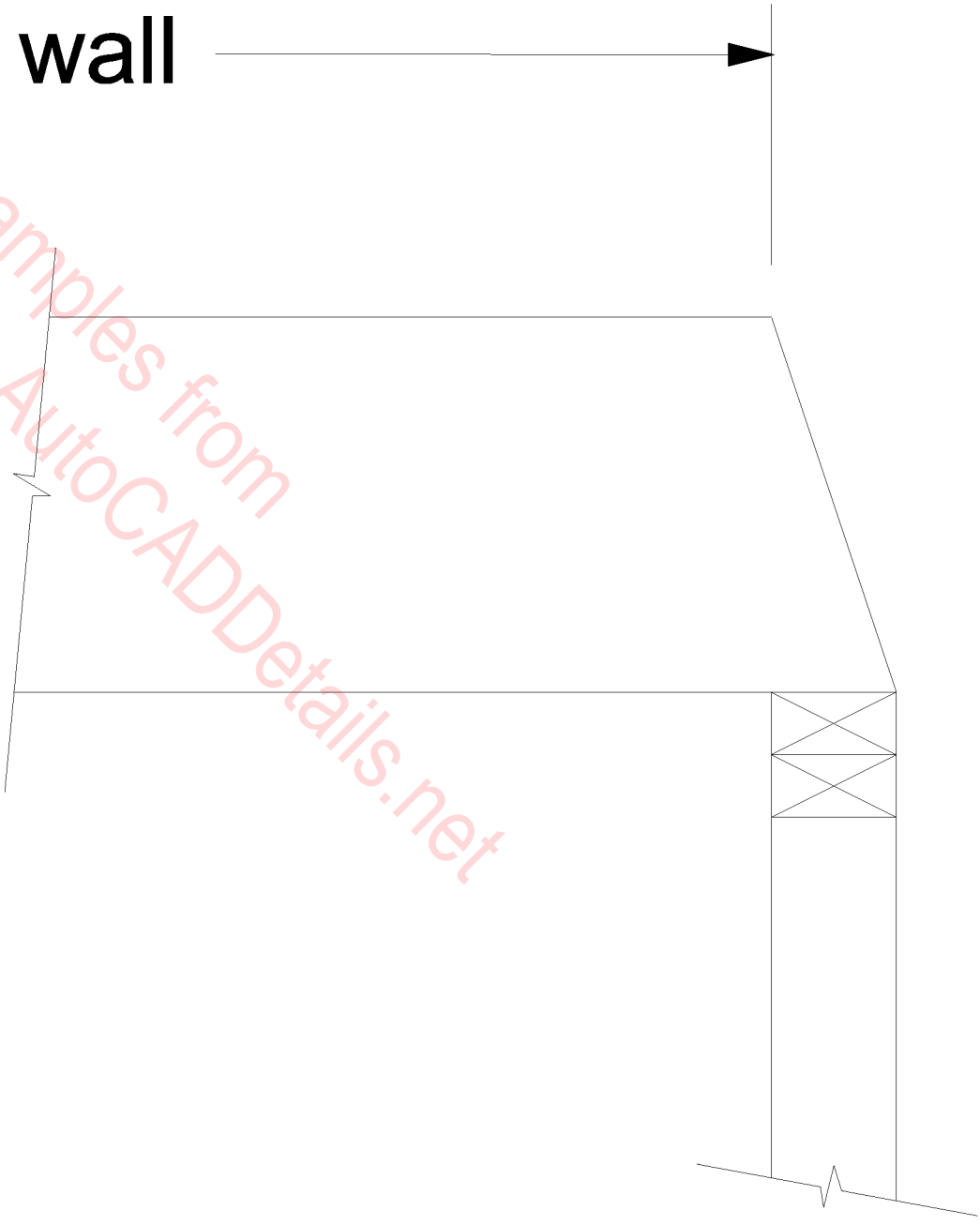




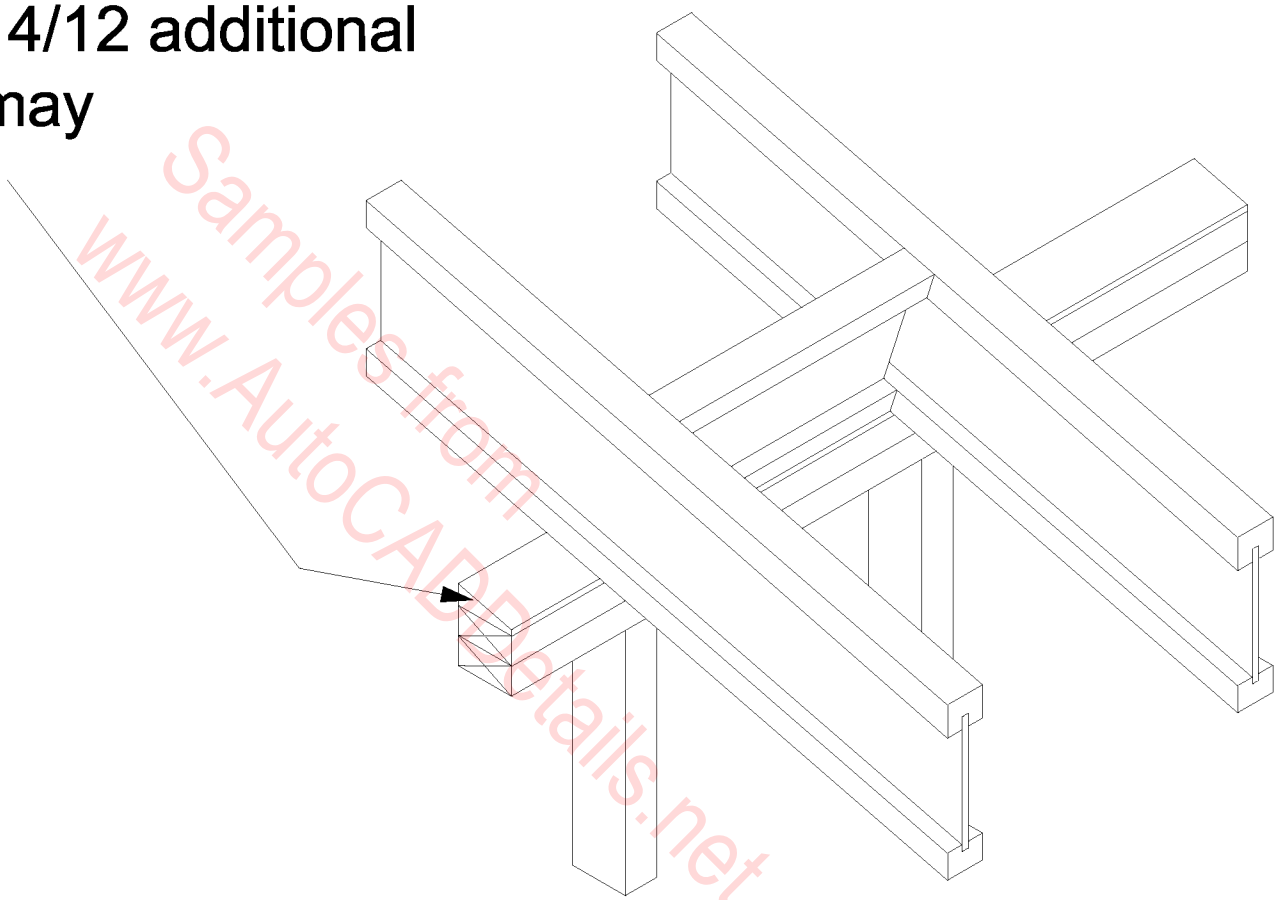
Requires backer block where hanger load exceeds 1000 lbs.



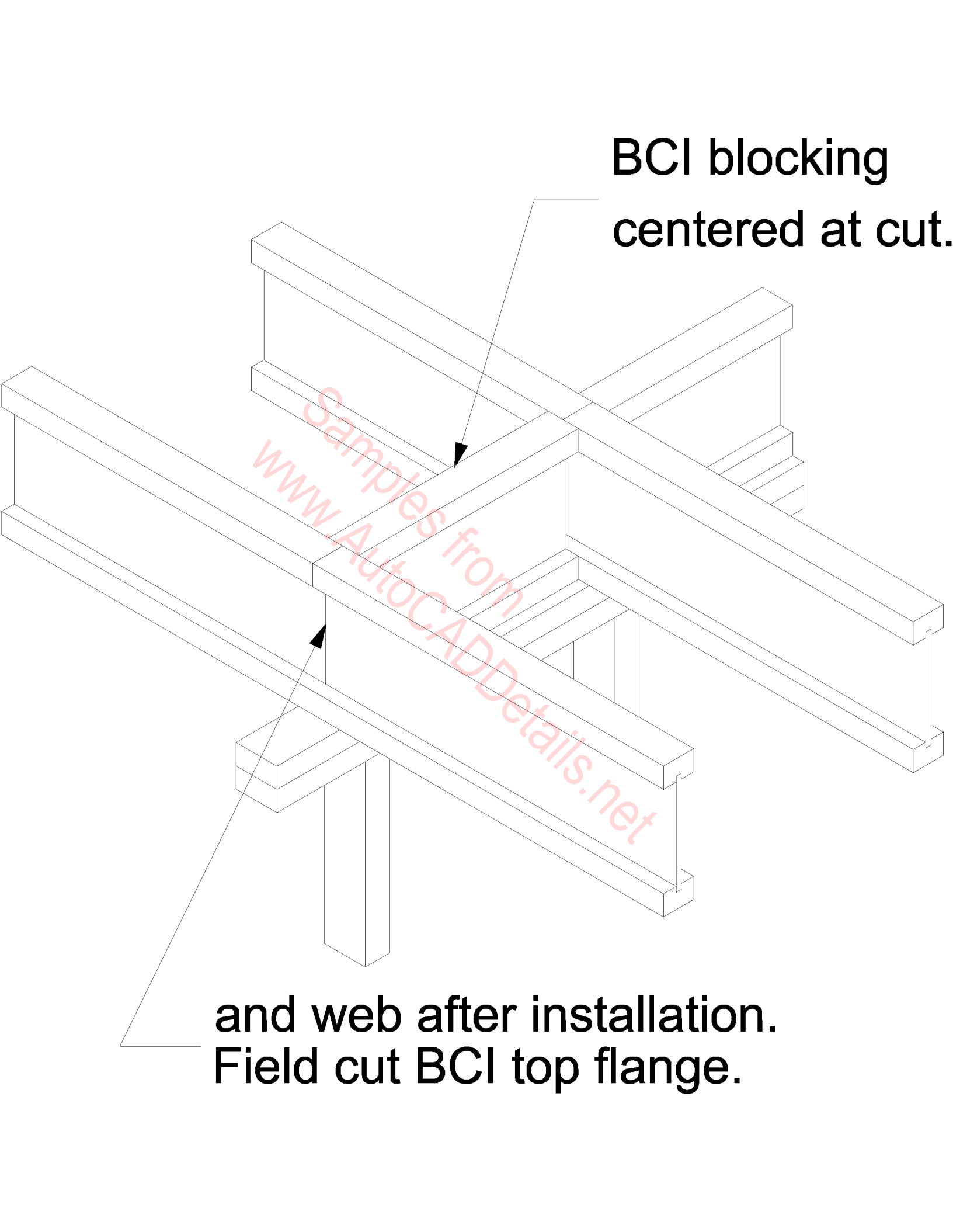
Do not bevel cut
VERSA-LAM beyond
inside face of wall



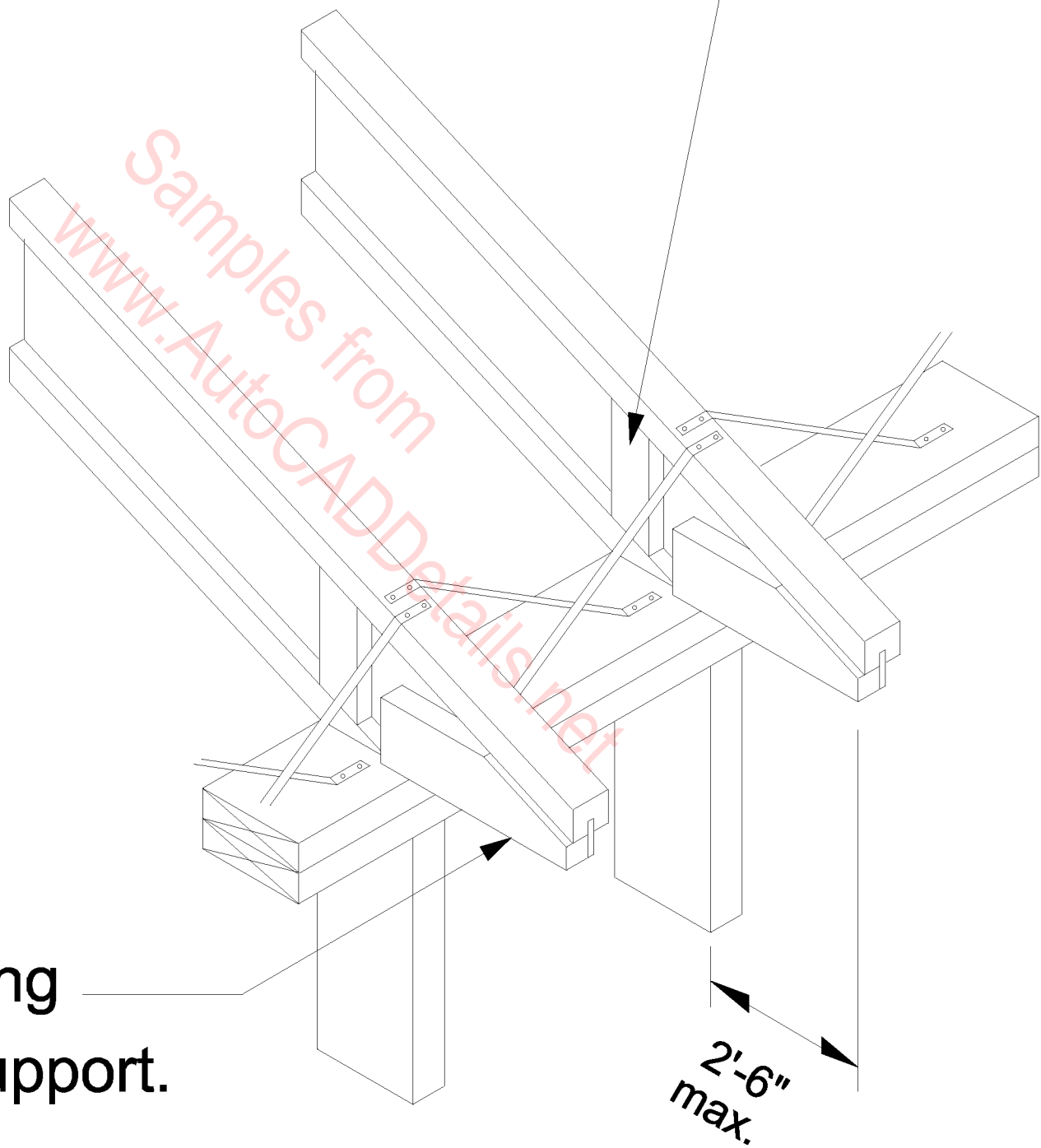
2x-beveled plate for slope greater than 1/4 -1/12. For slope greater than 4/12 additional connectors may be required.



Simpson VPI connector or equal can be used in lieu of beveled plate for slopes from 1/12 to 6/12.

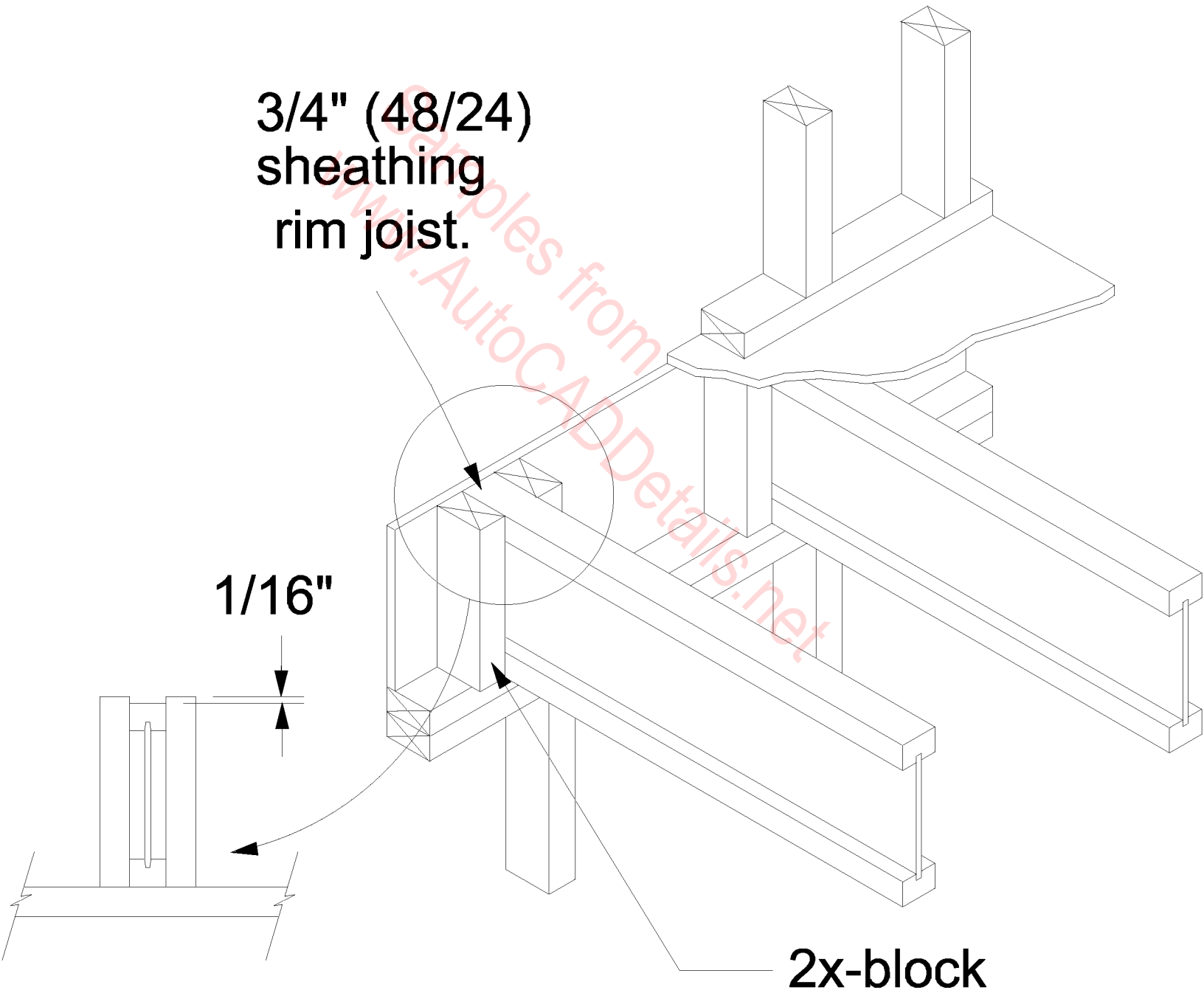


Web stiffener required each side for 14" and deeper BCI joist only.

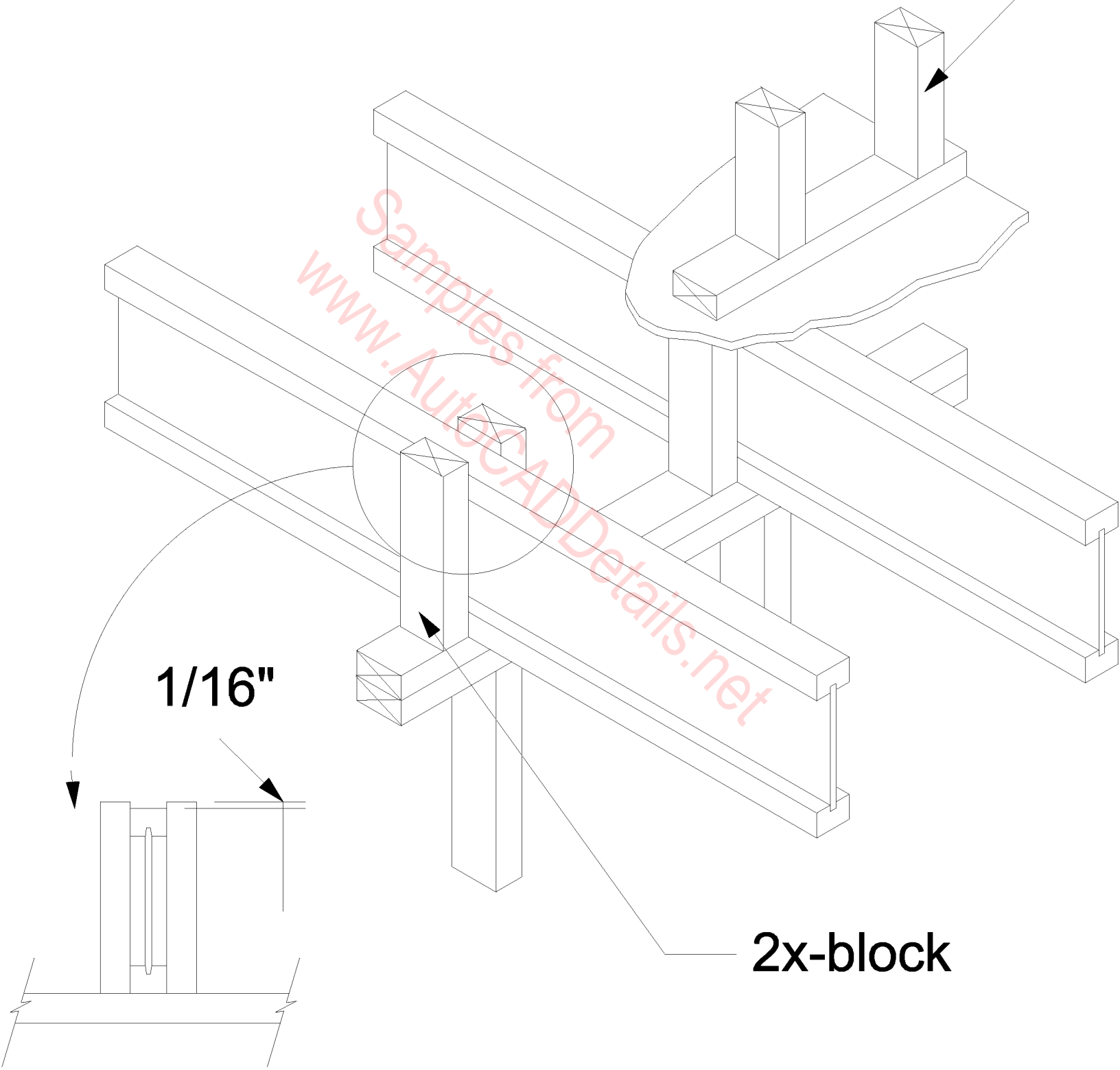


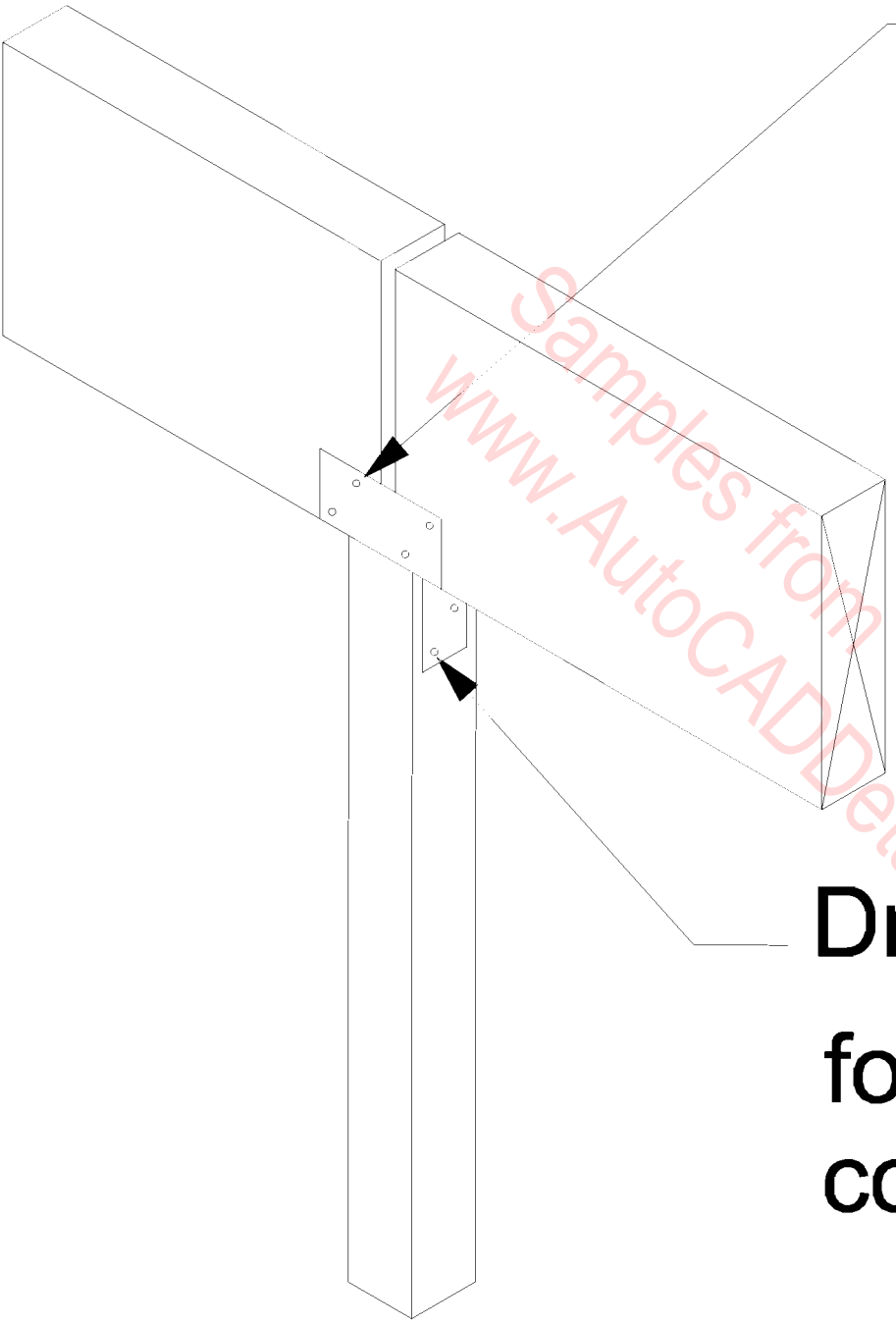
2x4 blocking for soffit support.

Note: Check with local building officials for use of this detail in areas of high lateral forces.



Load bearing wall above
(stacked over wall below.)

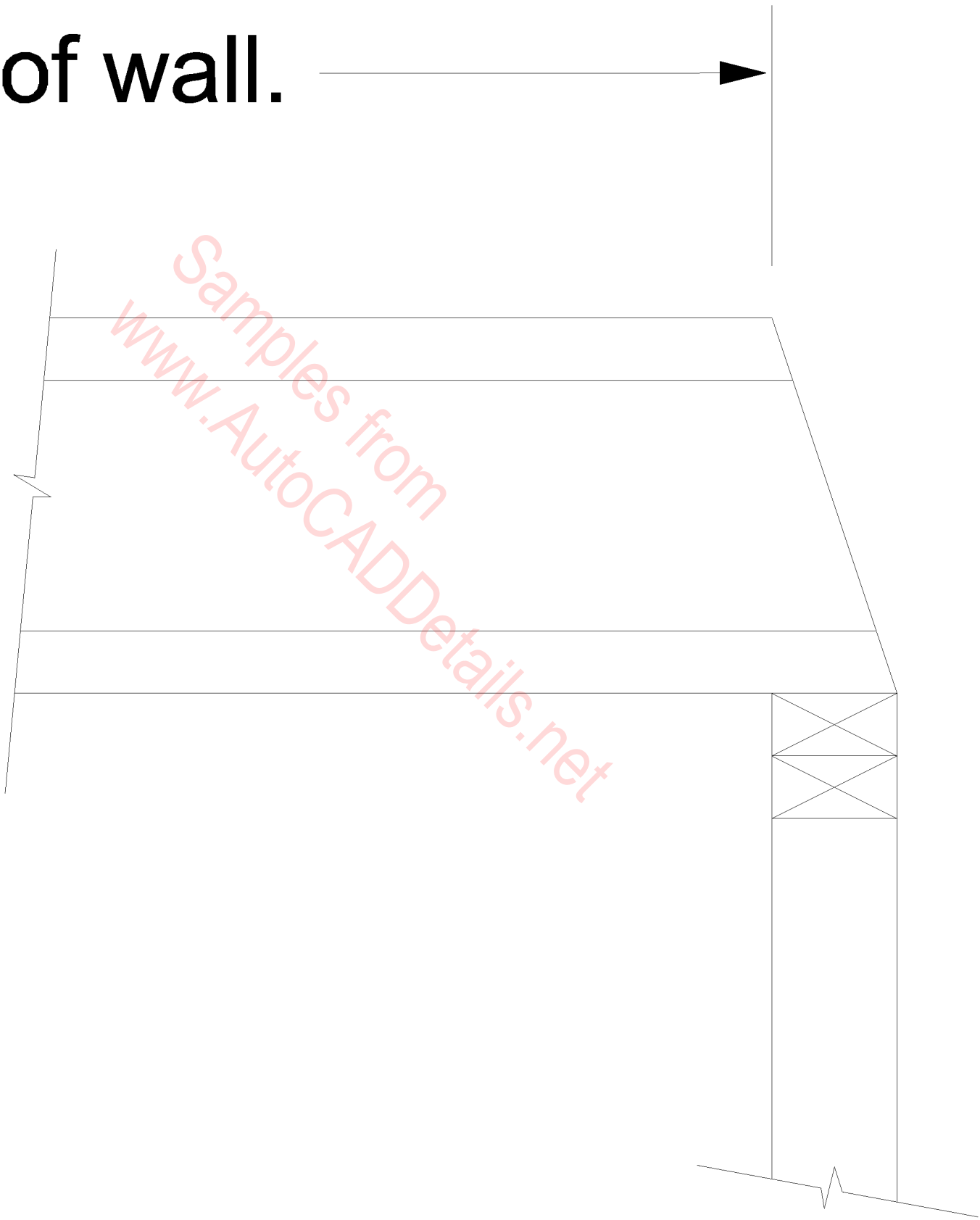




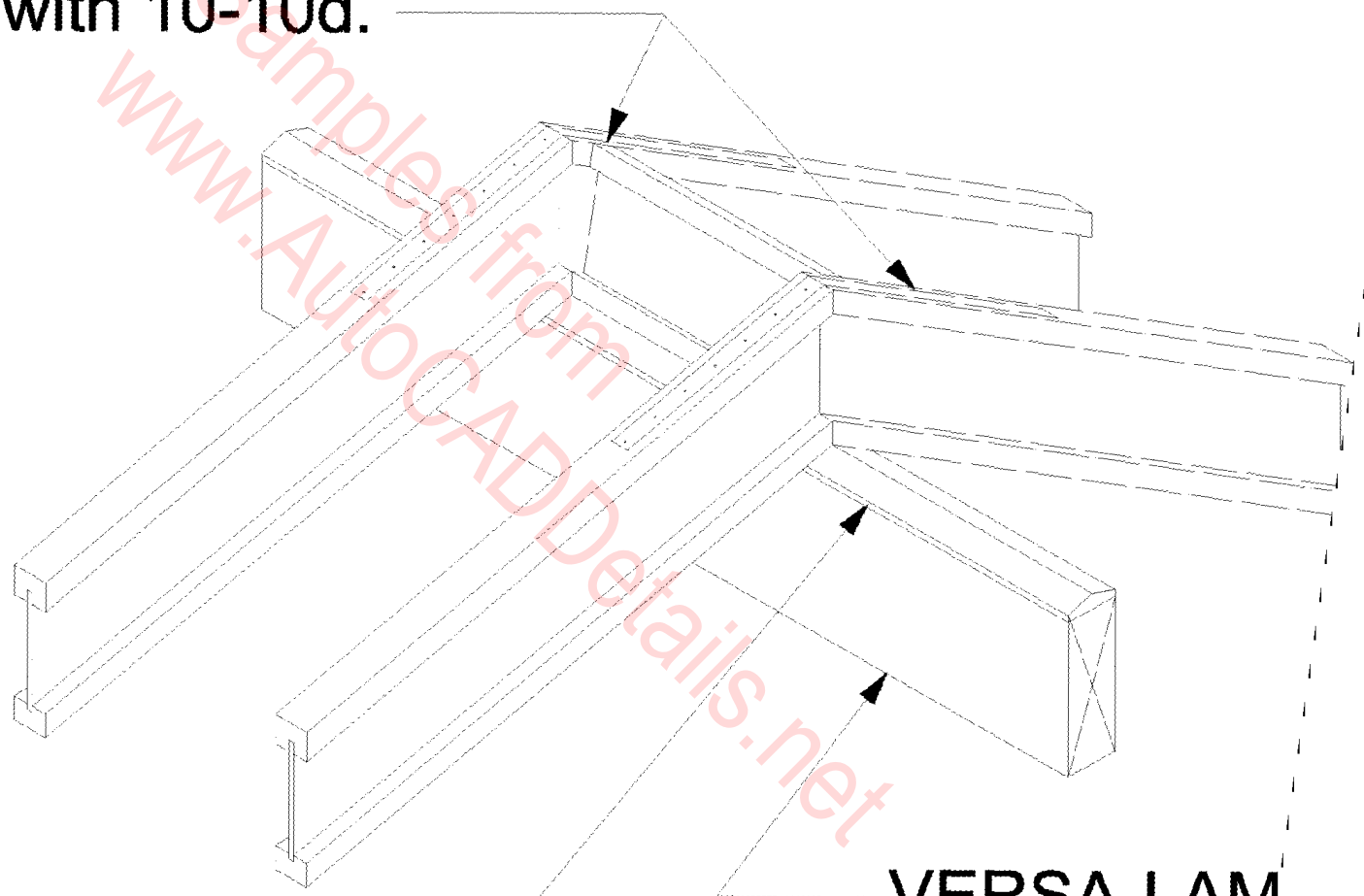
Use same bolt values as Douglas Fir-Larch.

Drilling permitted for standard connections.

Do not bevel cut joist beyond inside face of wall.

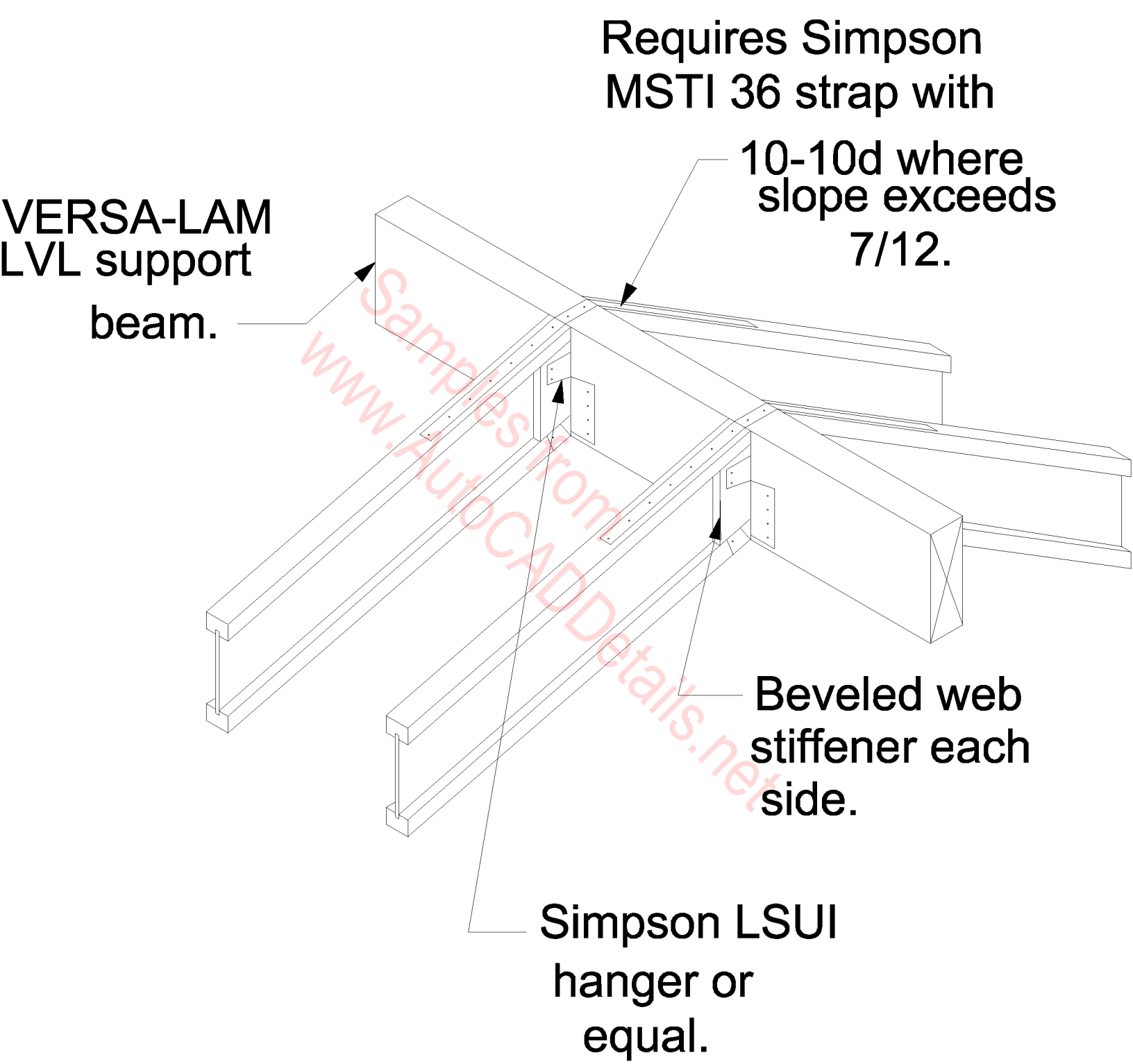


Simpson MSTI 36
with 10-10d.

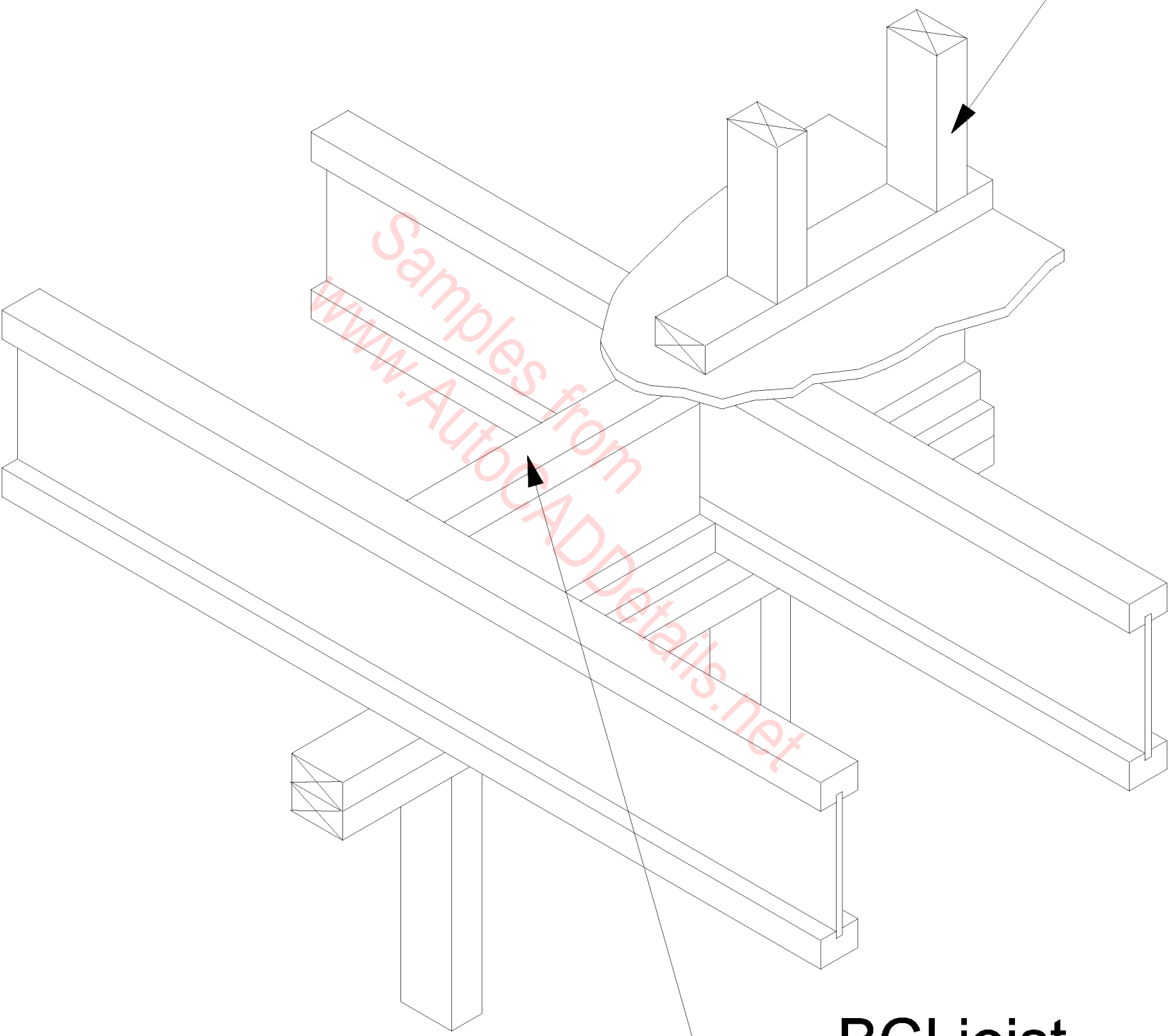


Double beveled
wood plate.

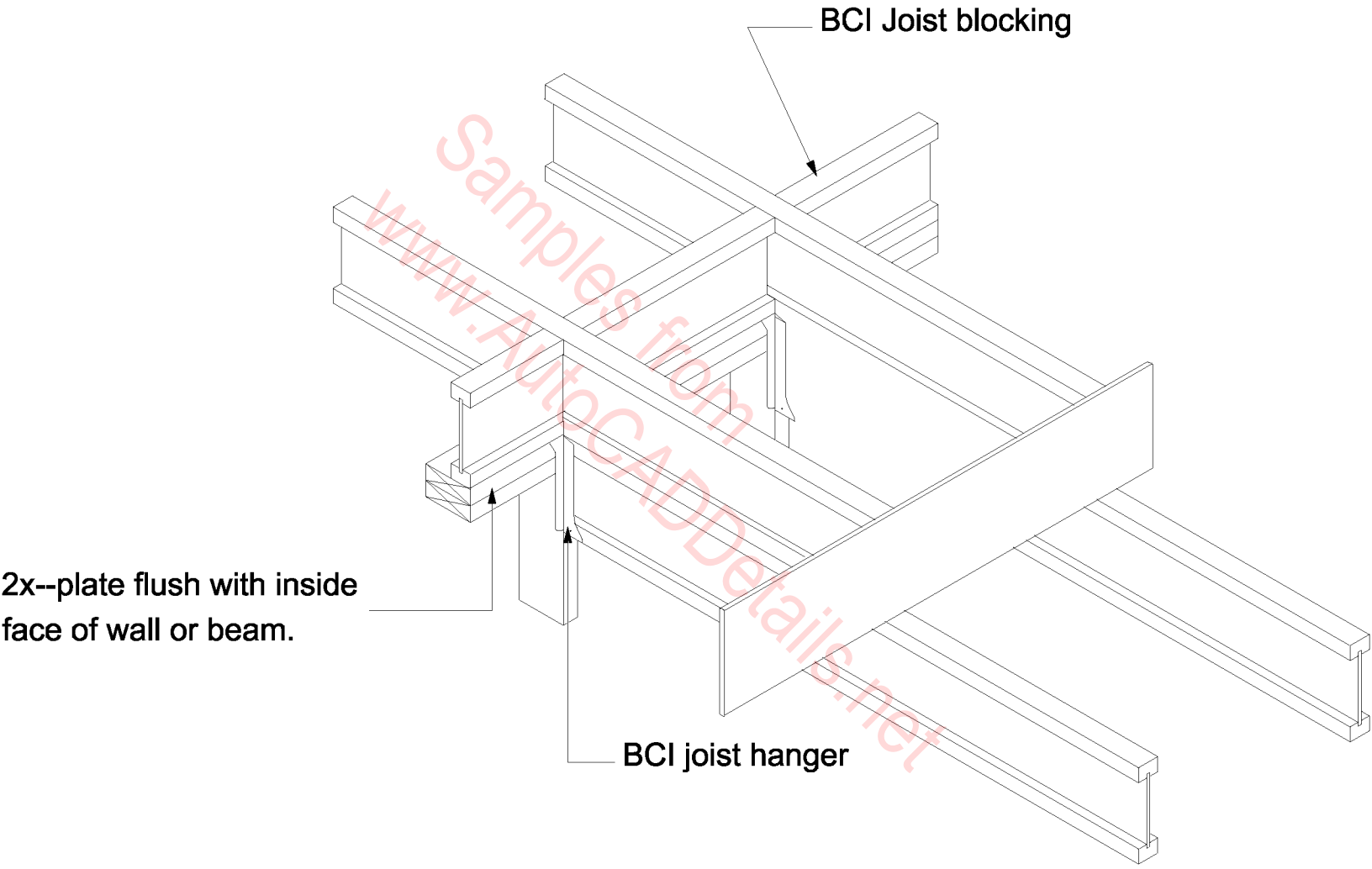
VERSA-LAM
LVL support
beam.

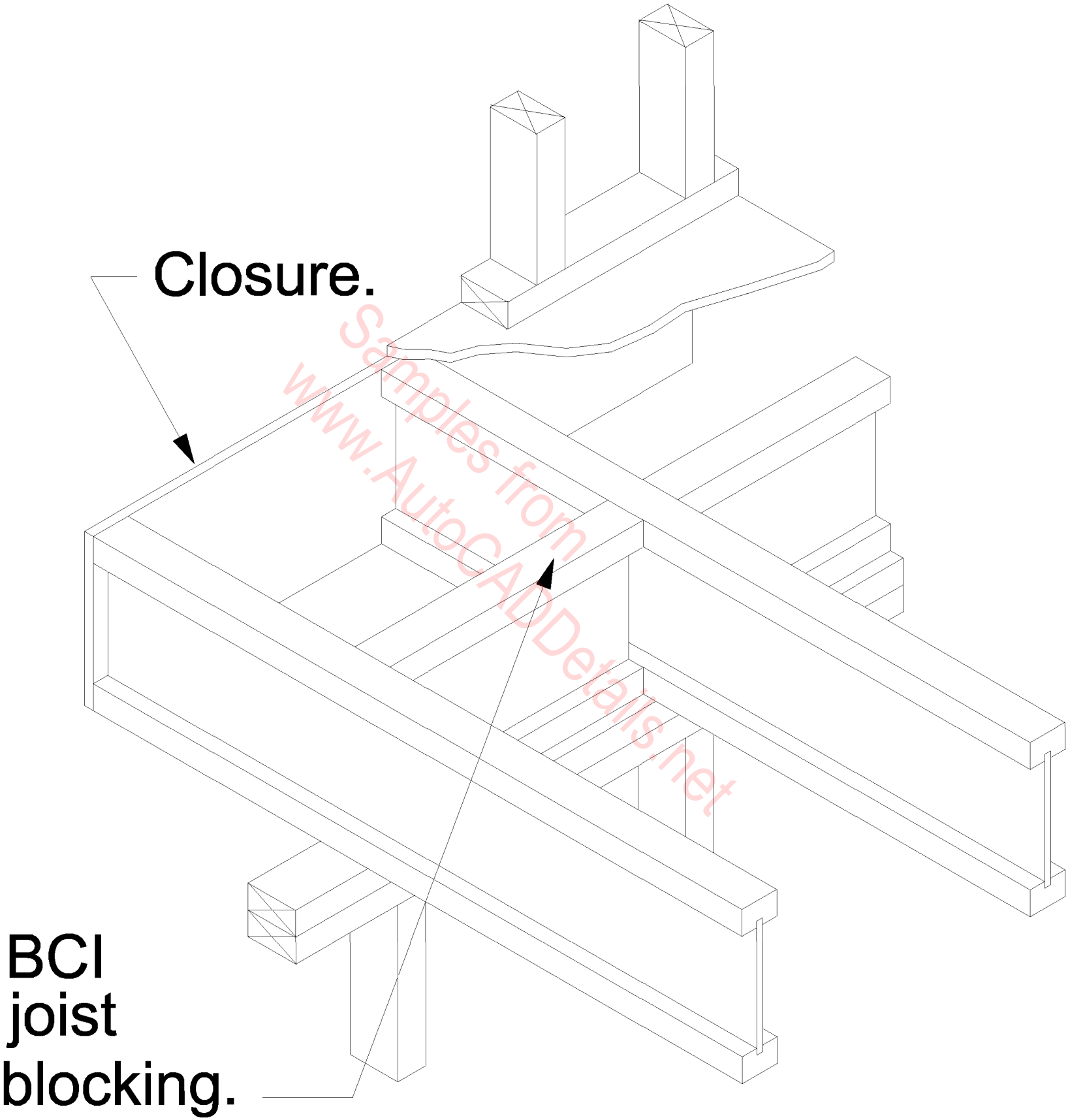


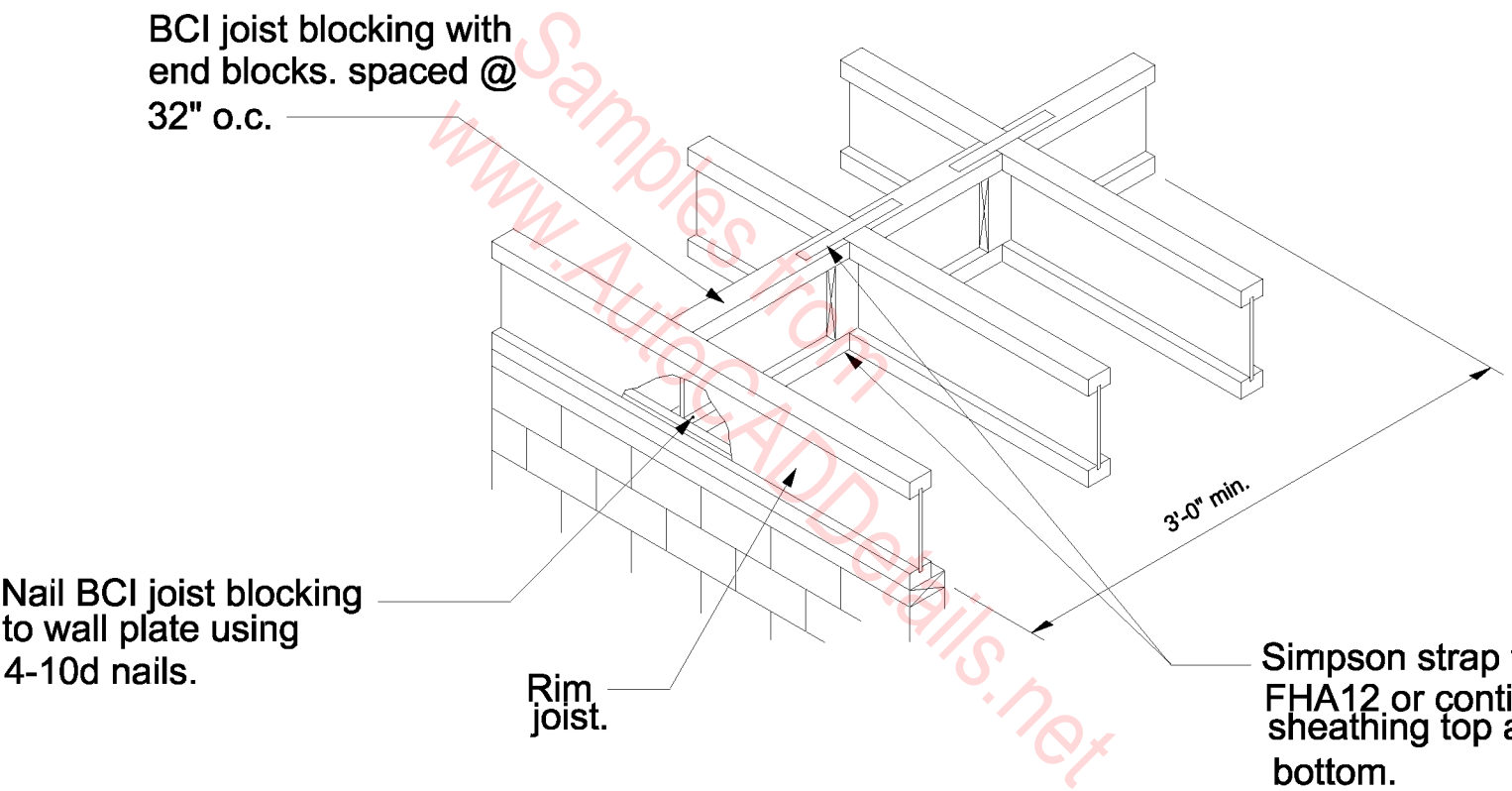
Load bearing wall above
(stacked over wall below.)

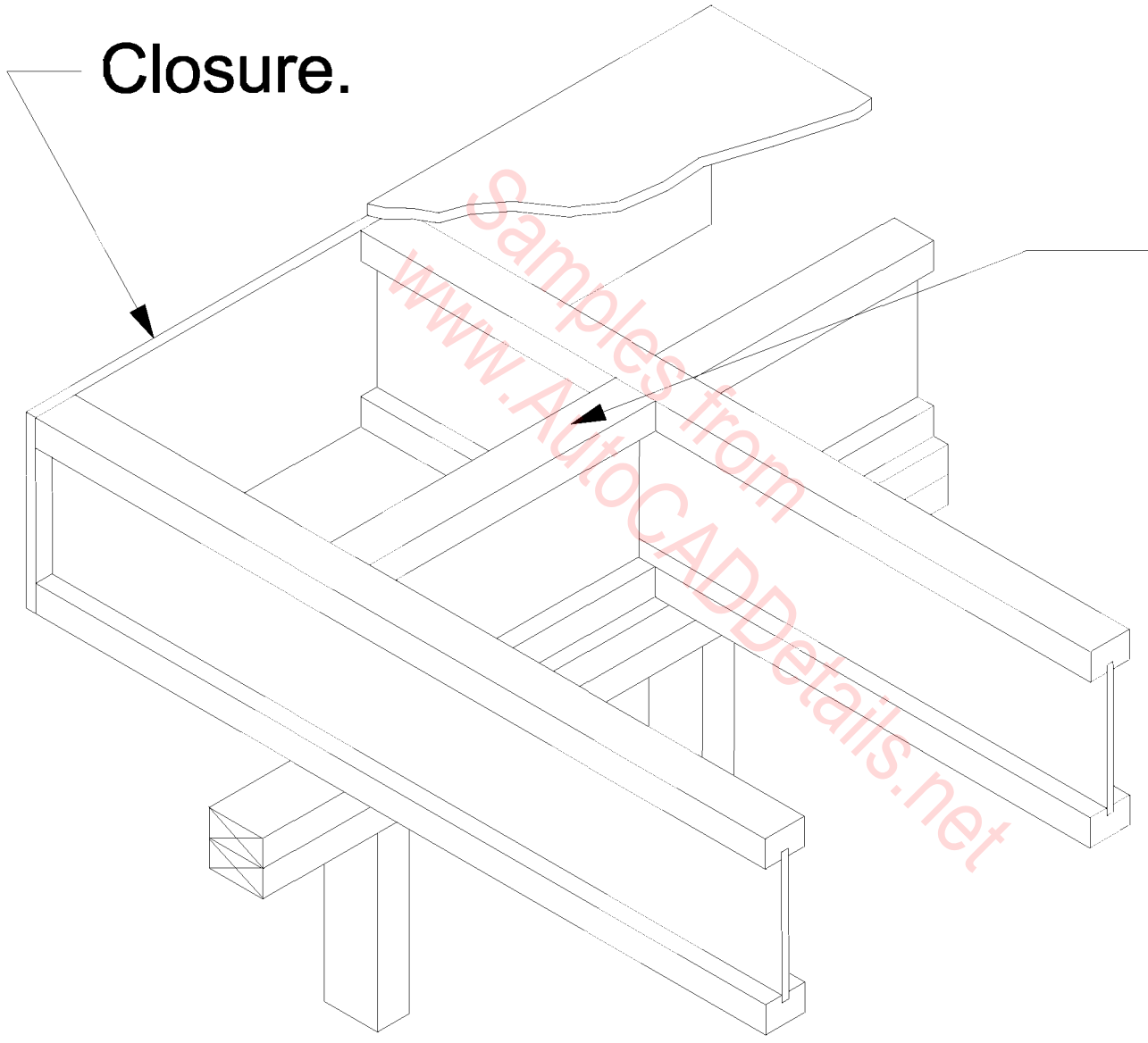


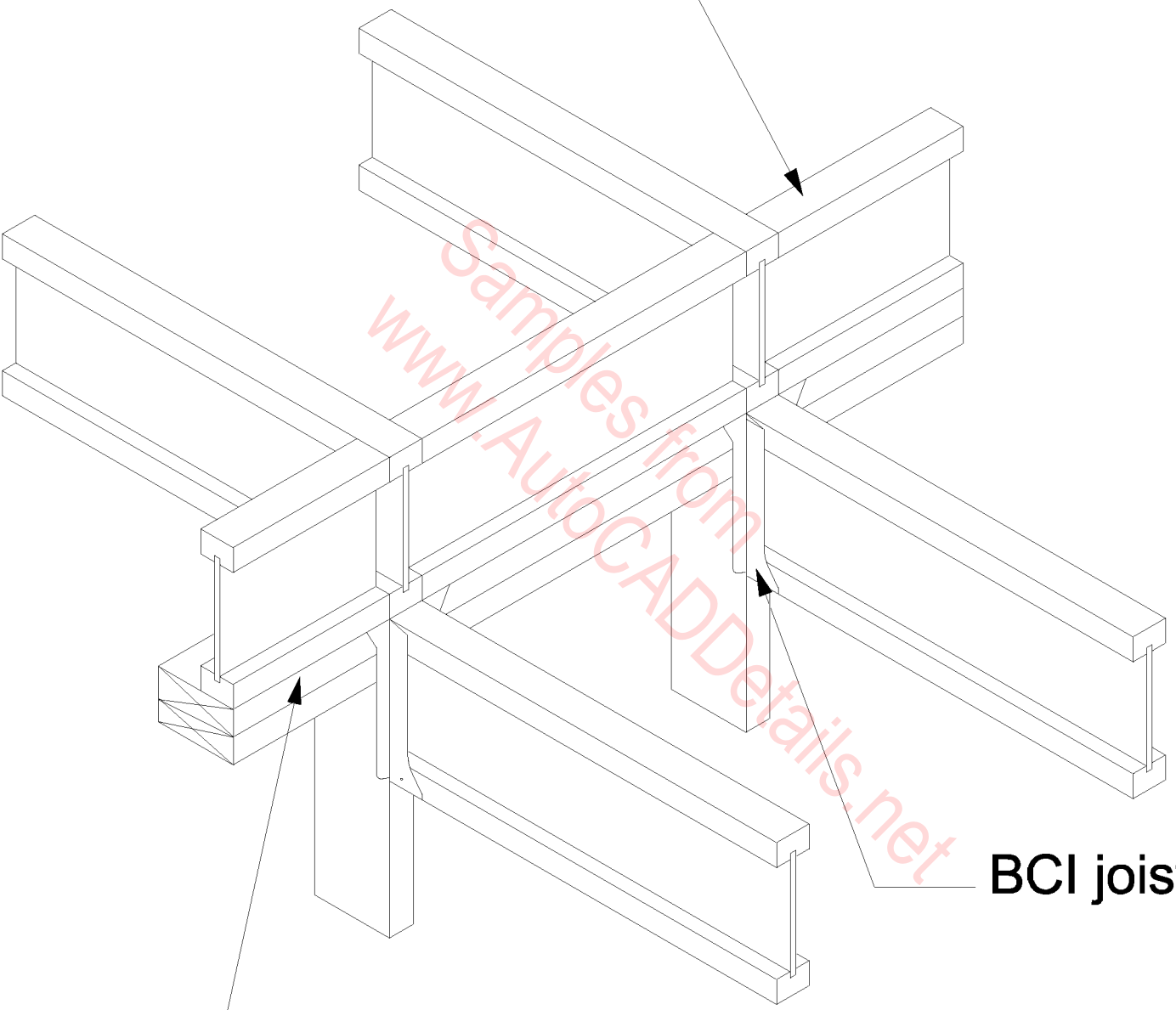
BCI joist
blocking.

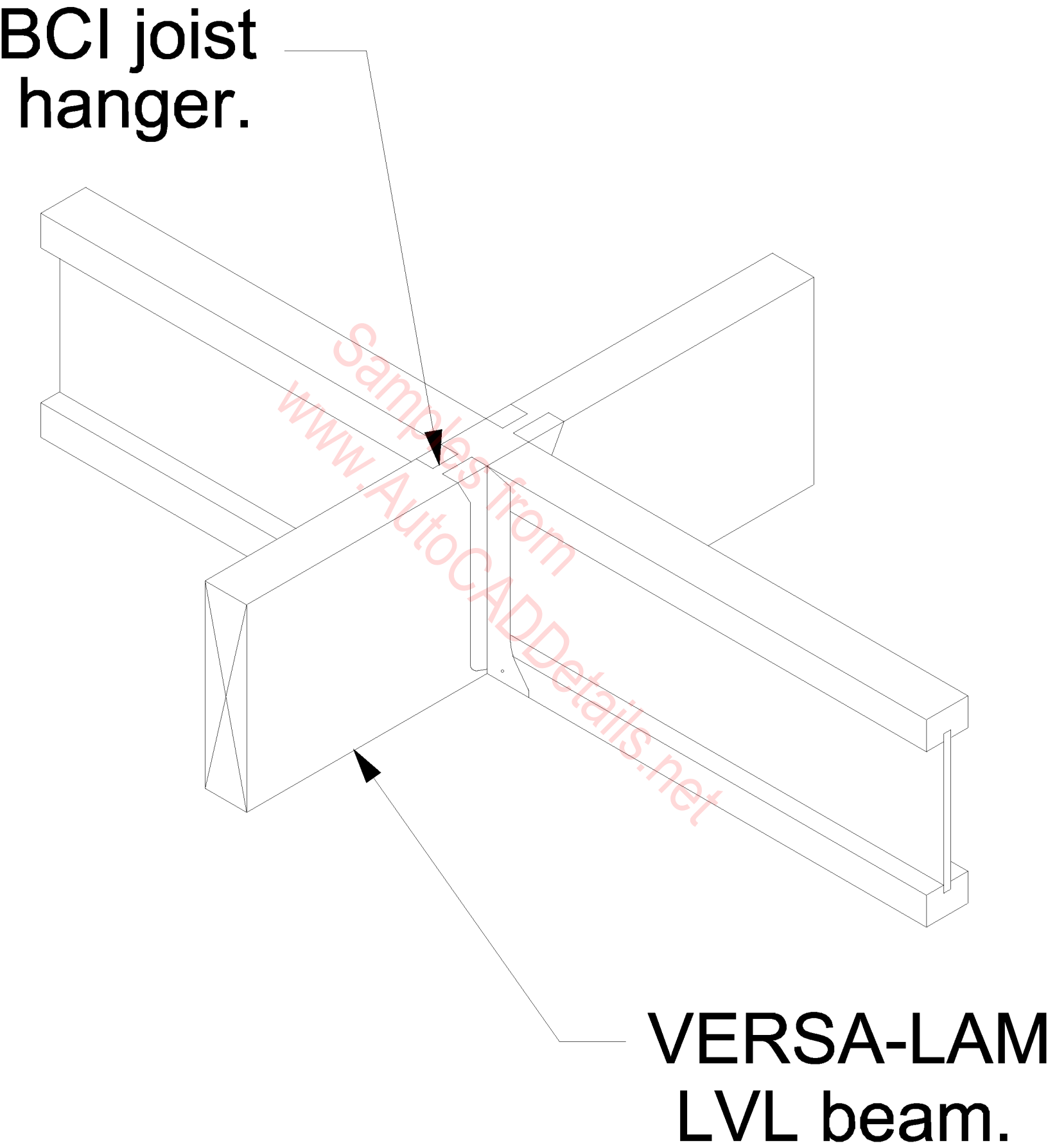




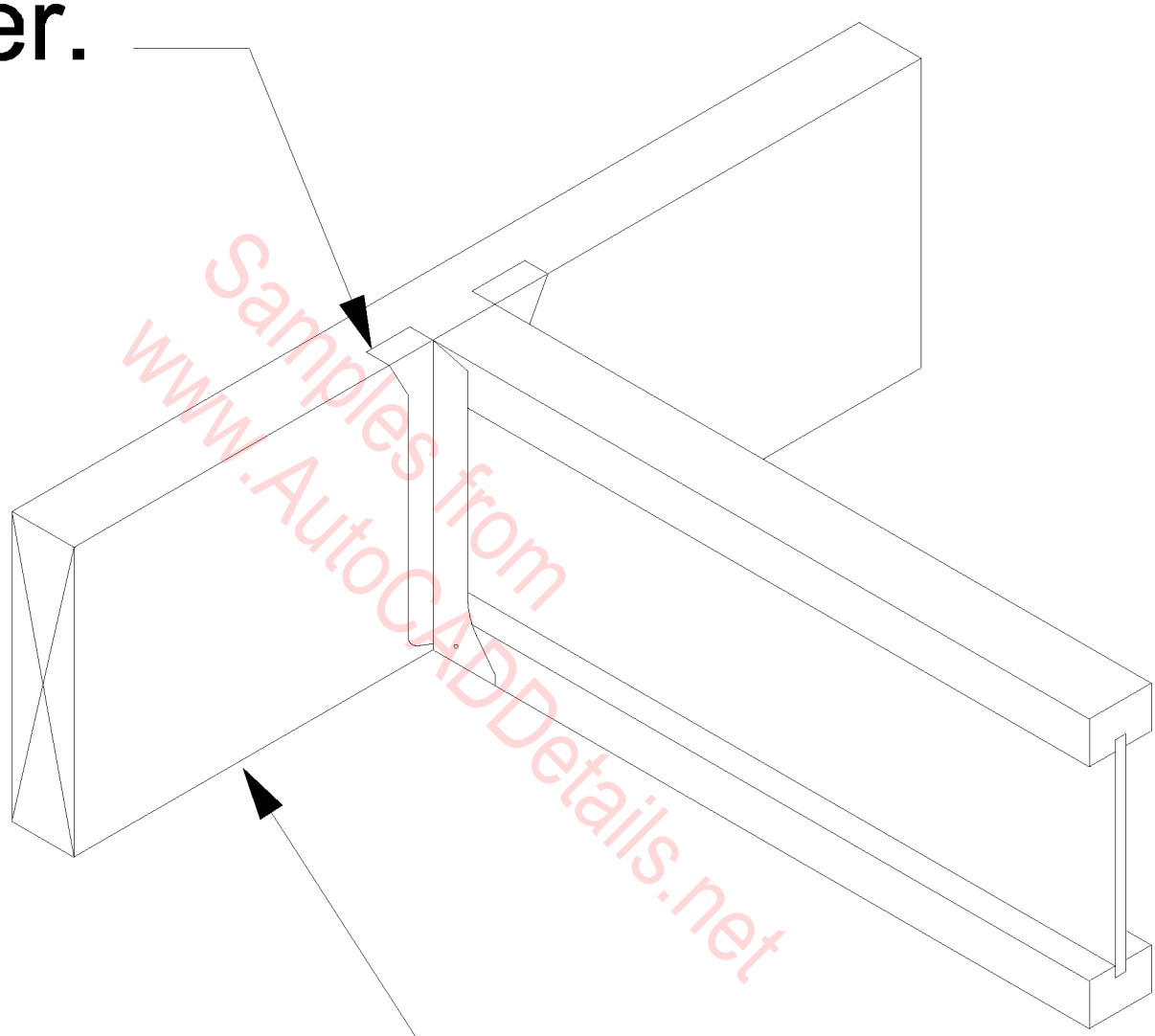






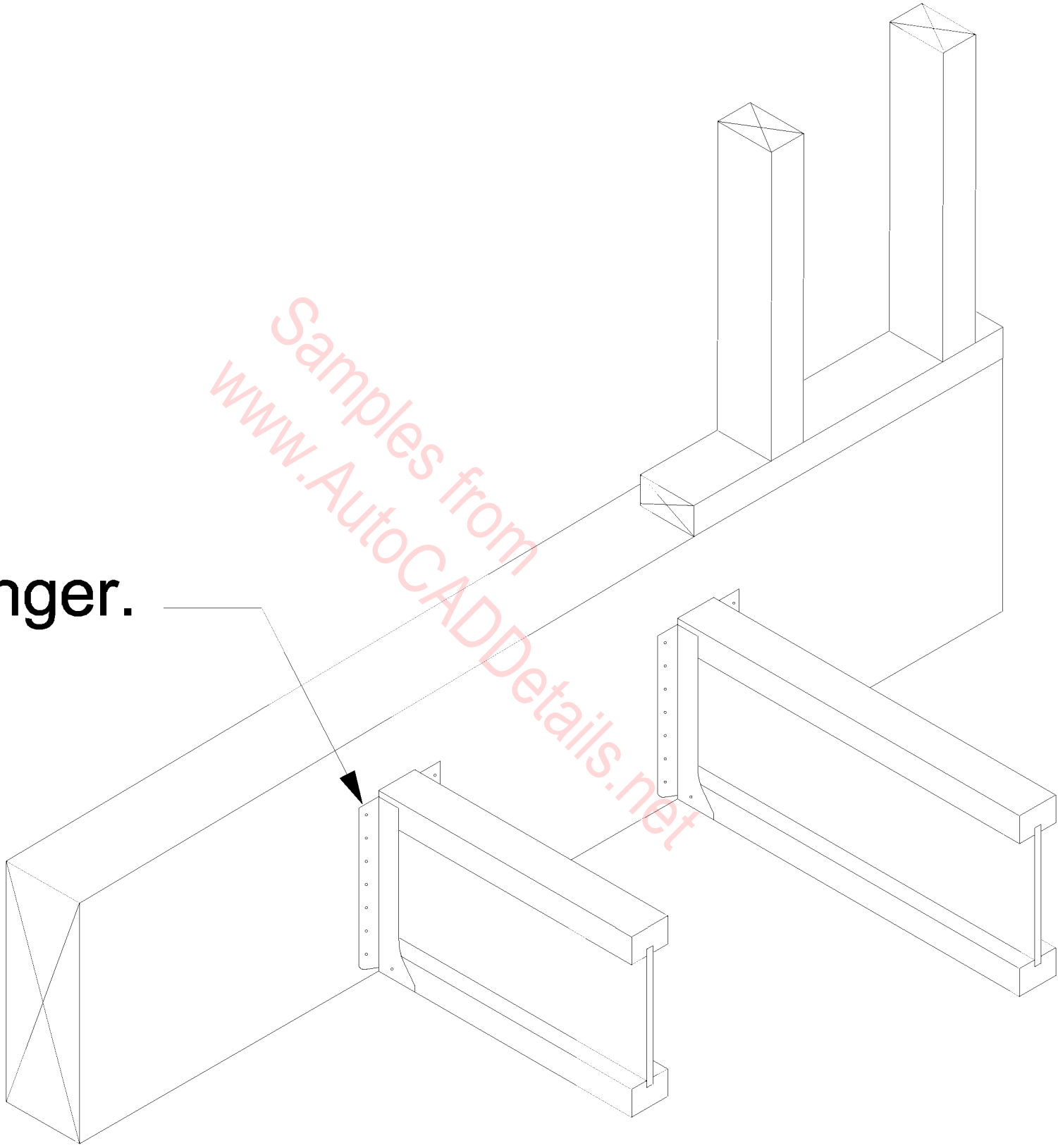


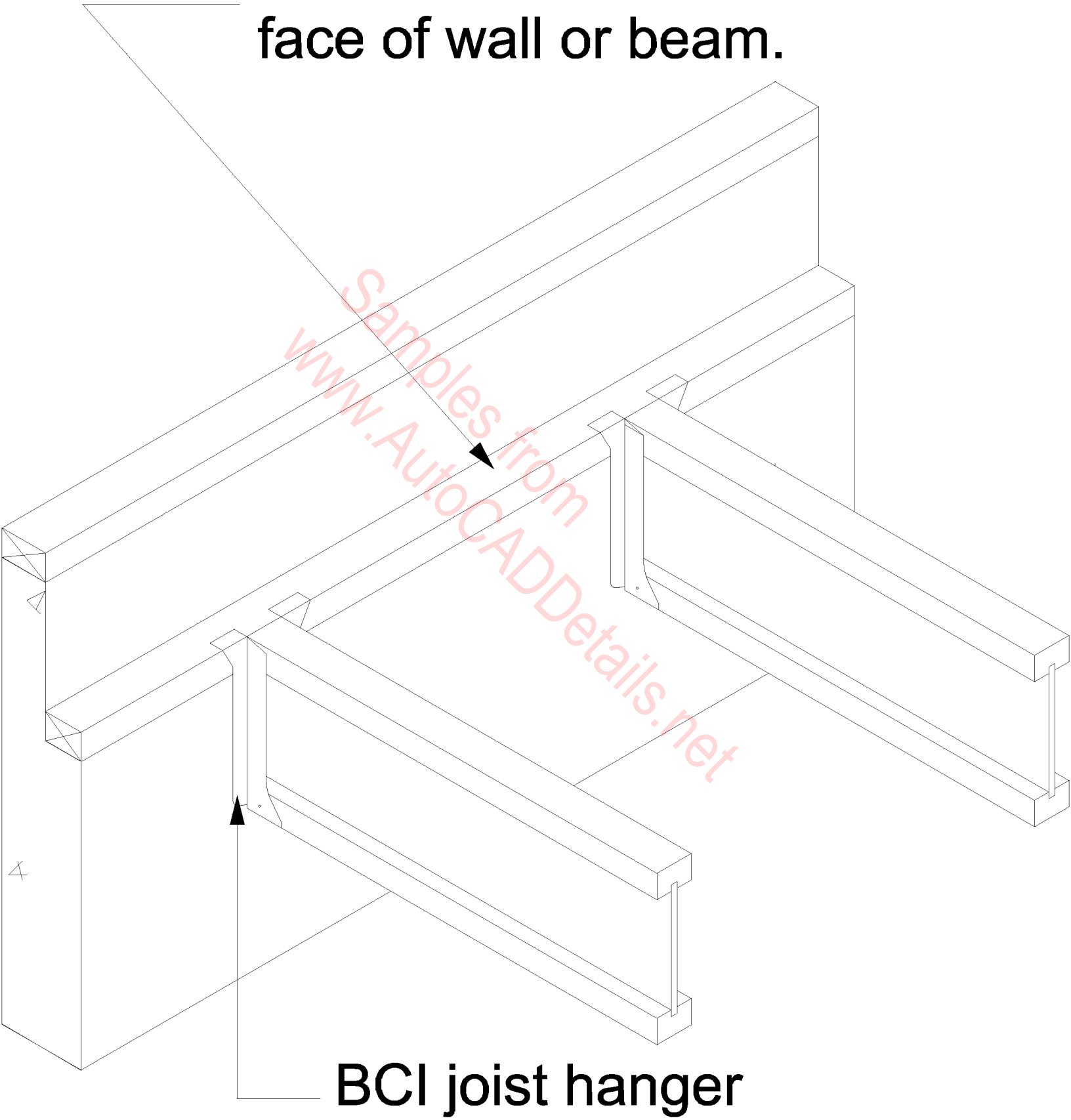
BCI joist hanger.

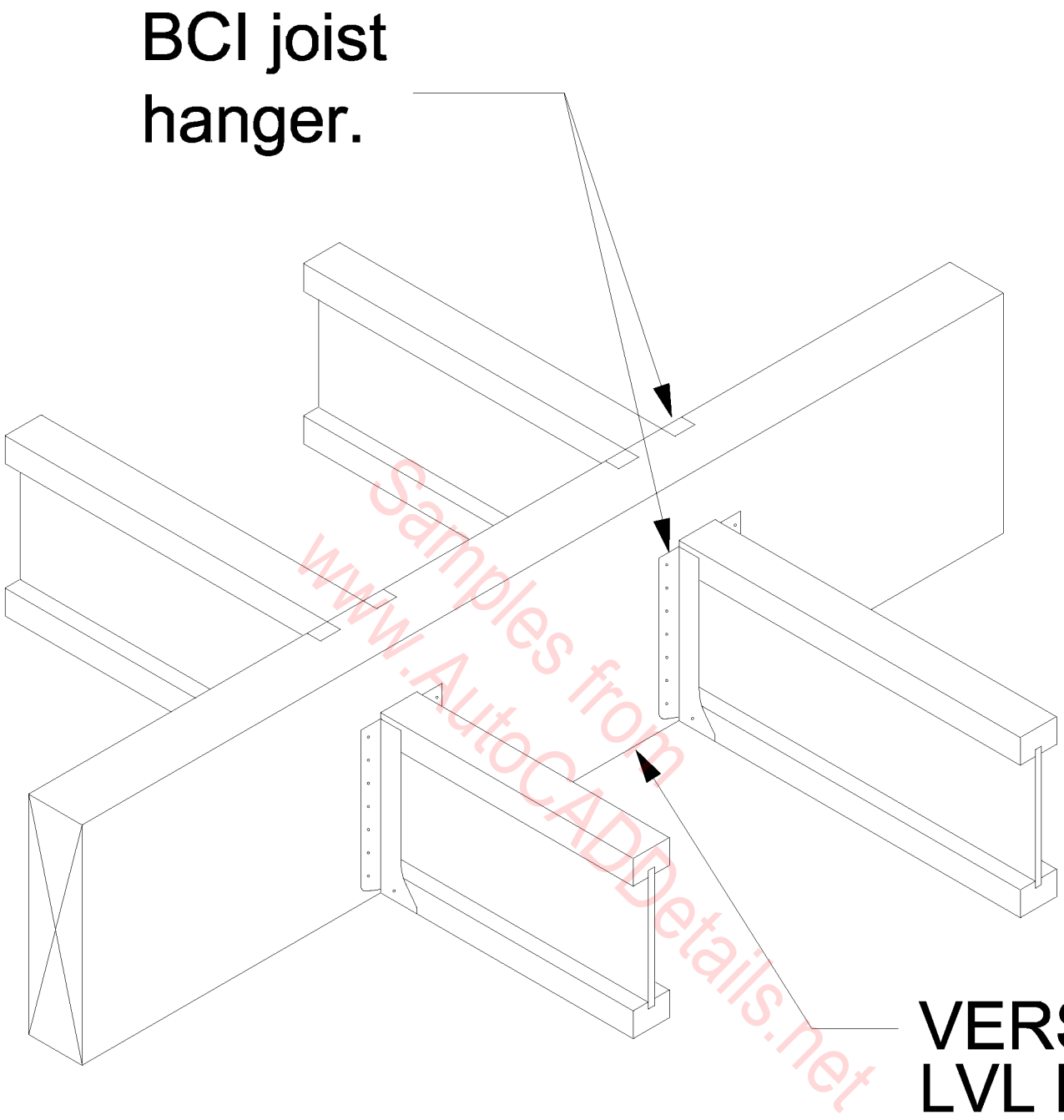


VERSA-LAM LVL beam.

Hanger.

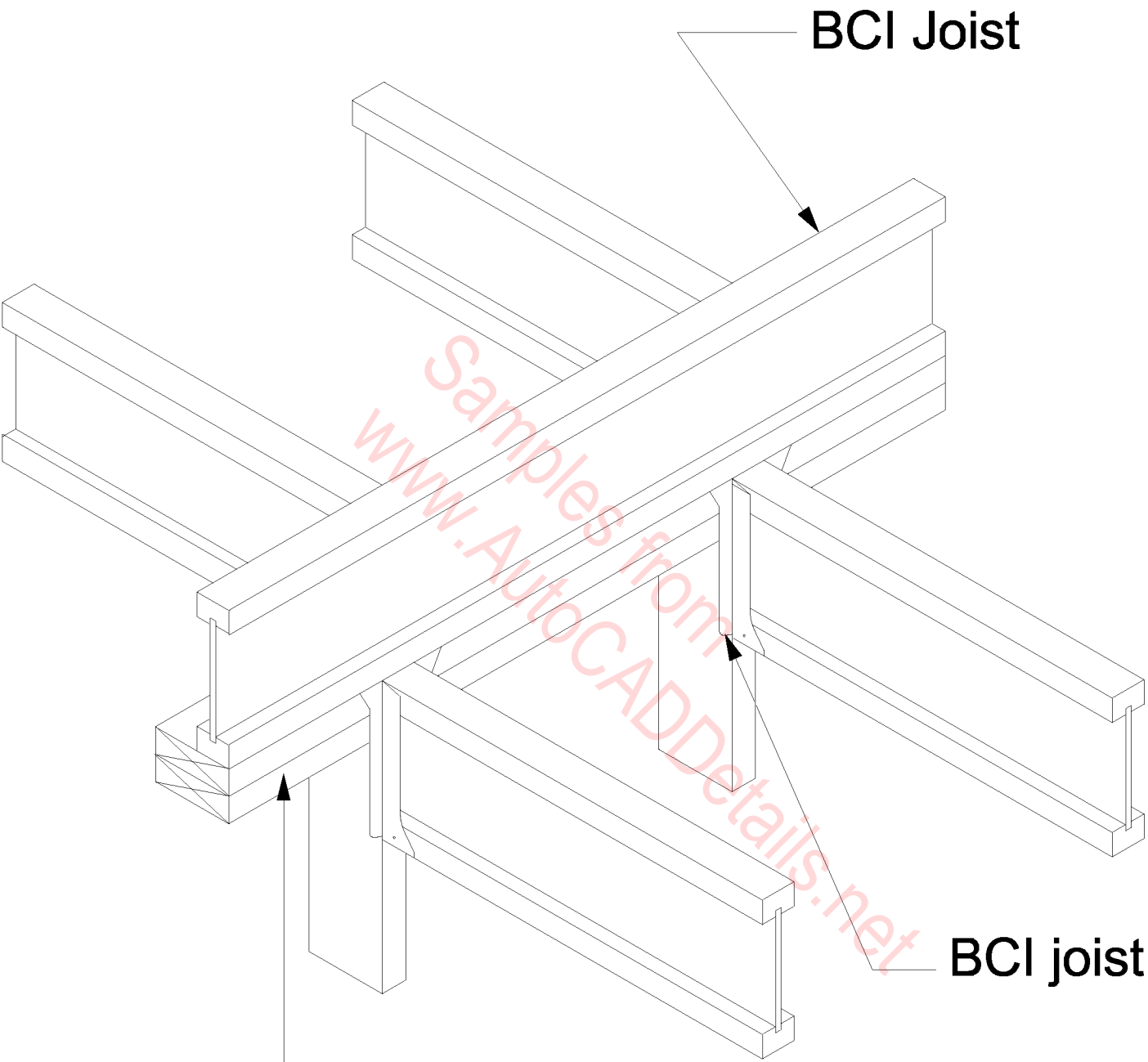


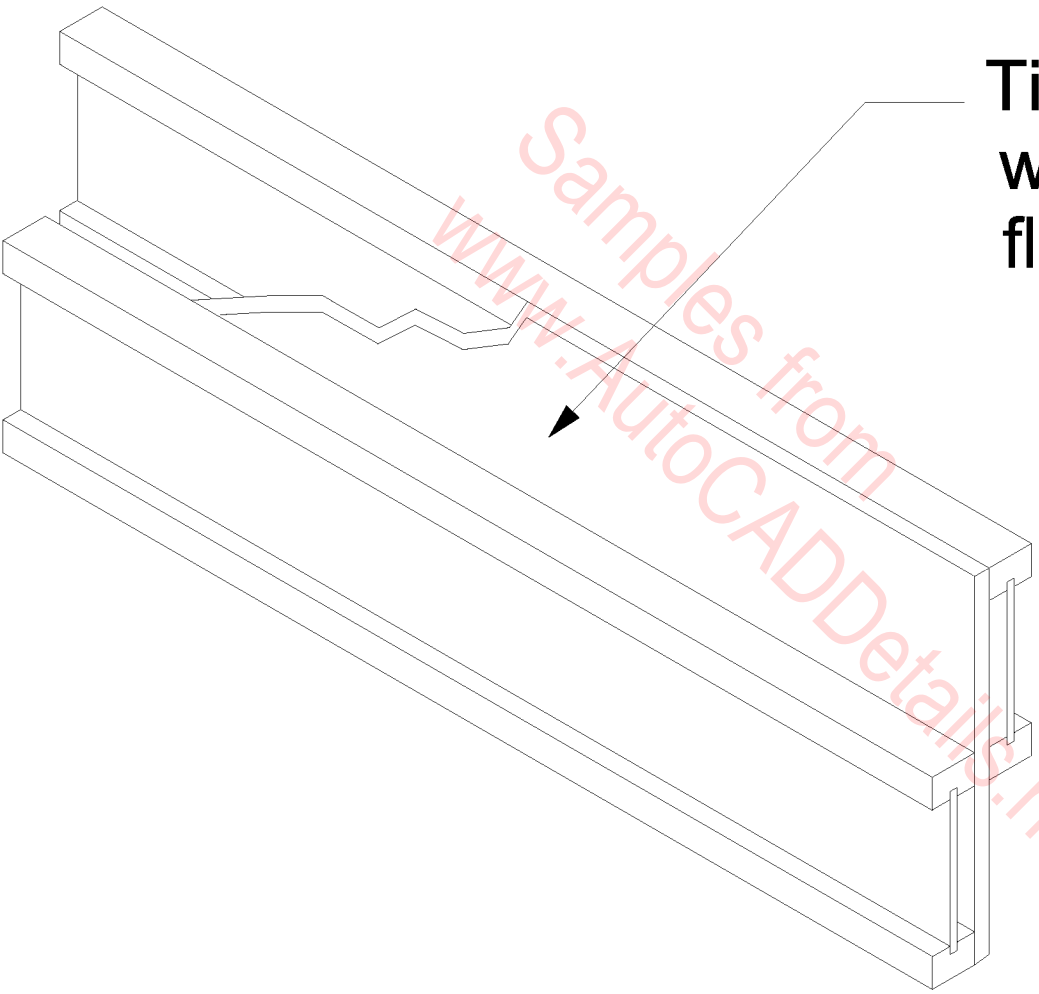




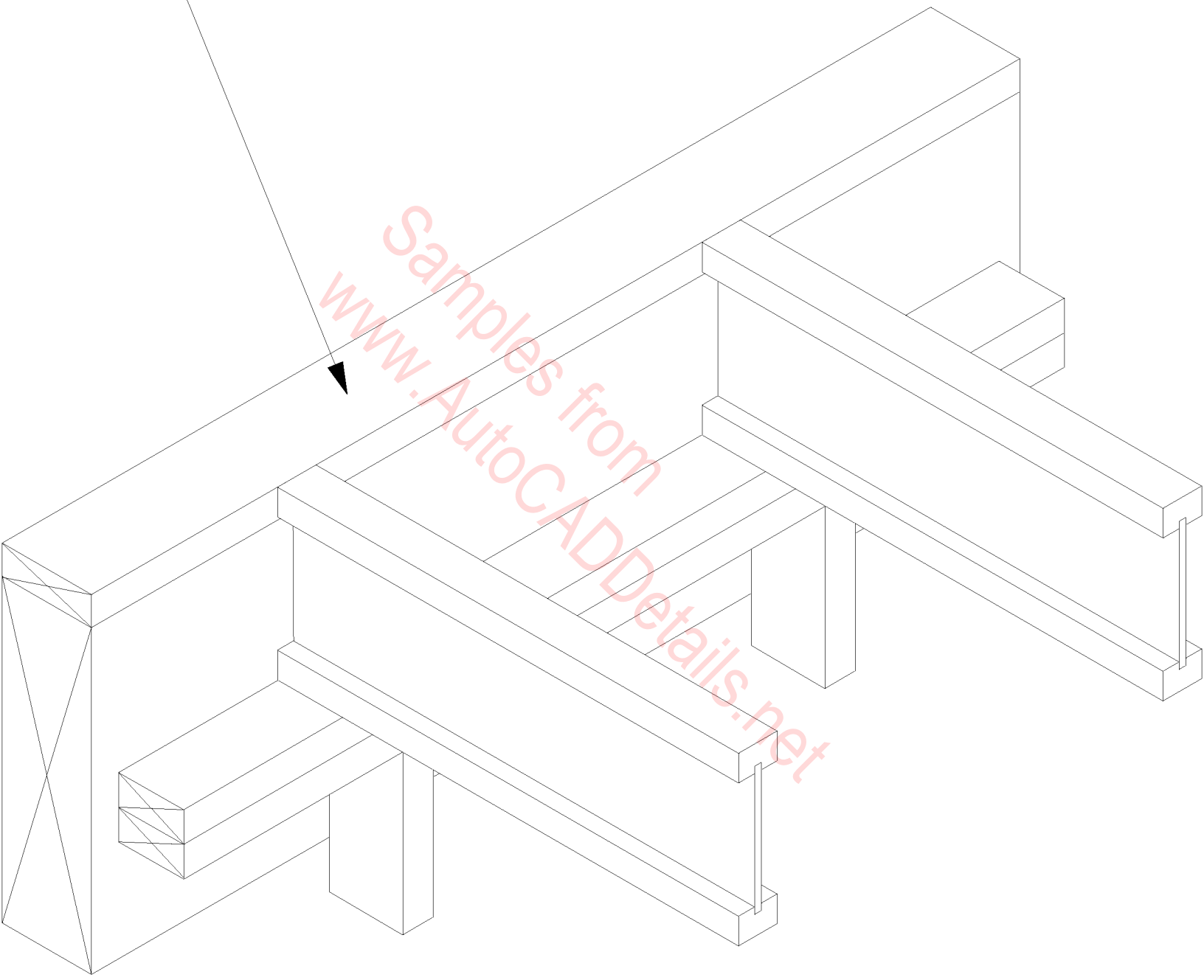
Note:

Web stiffeners are required where sides of the hanger do not extend up to support the top flange laterally.





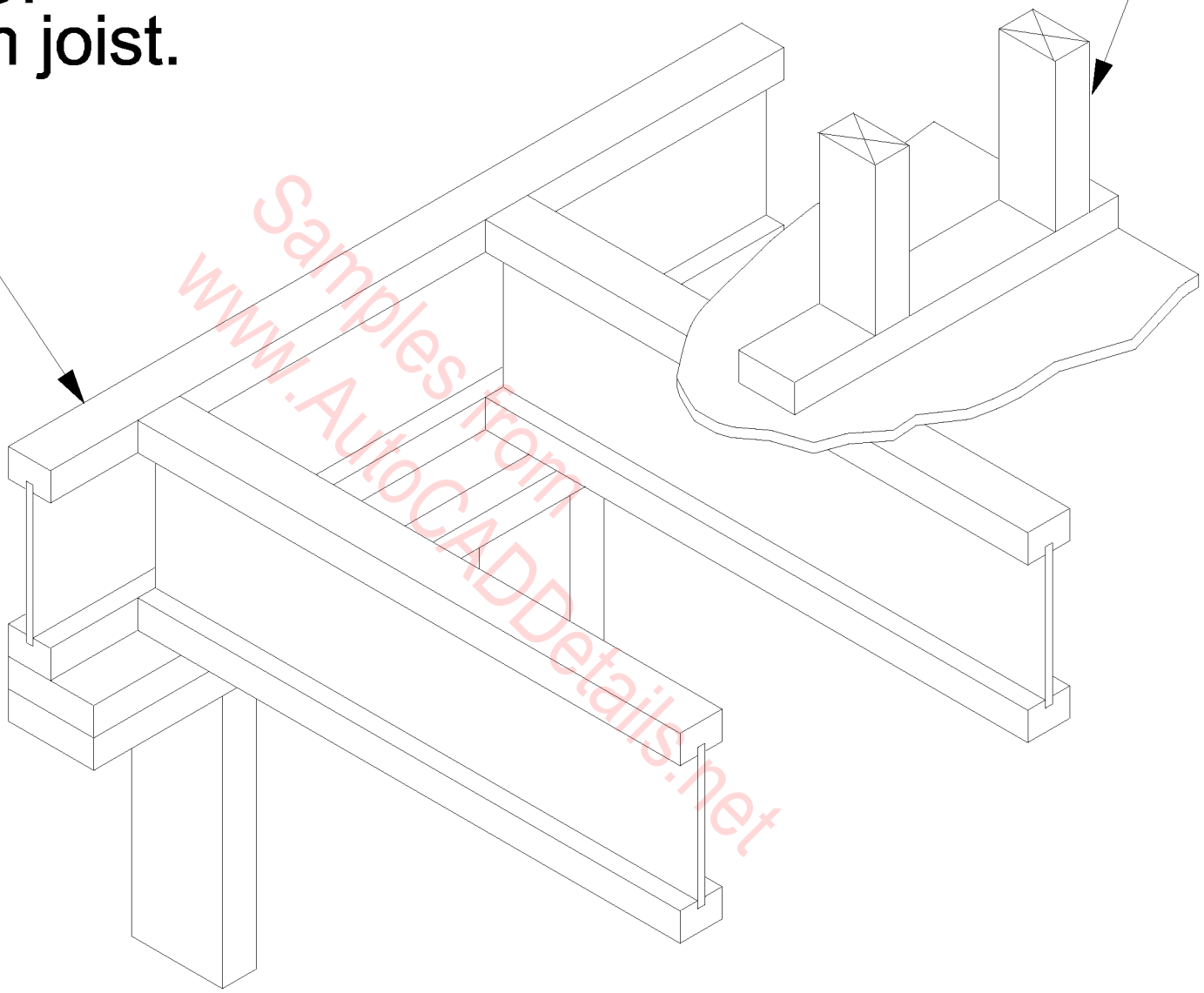
2x--plate flush with inside face of wall or beam.



Sheathing will provide lateral support needed without blocking.

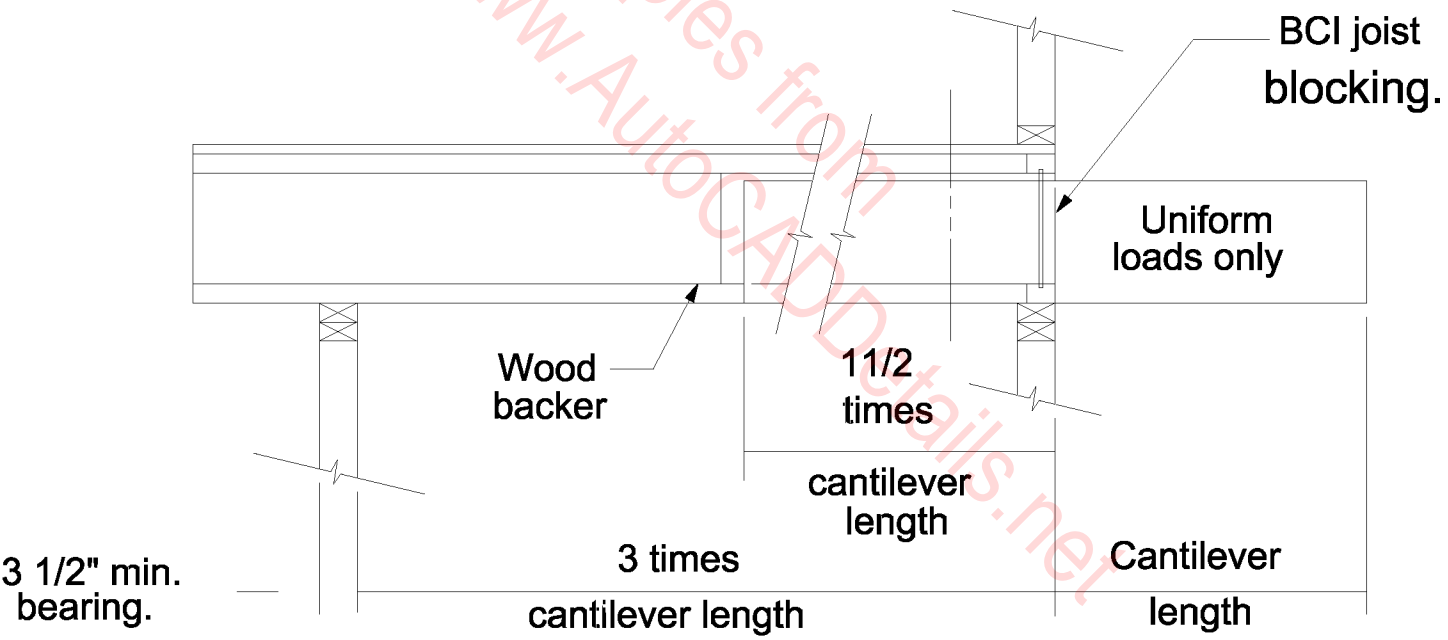
Load bearing wall above

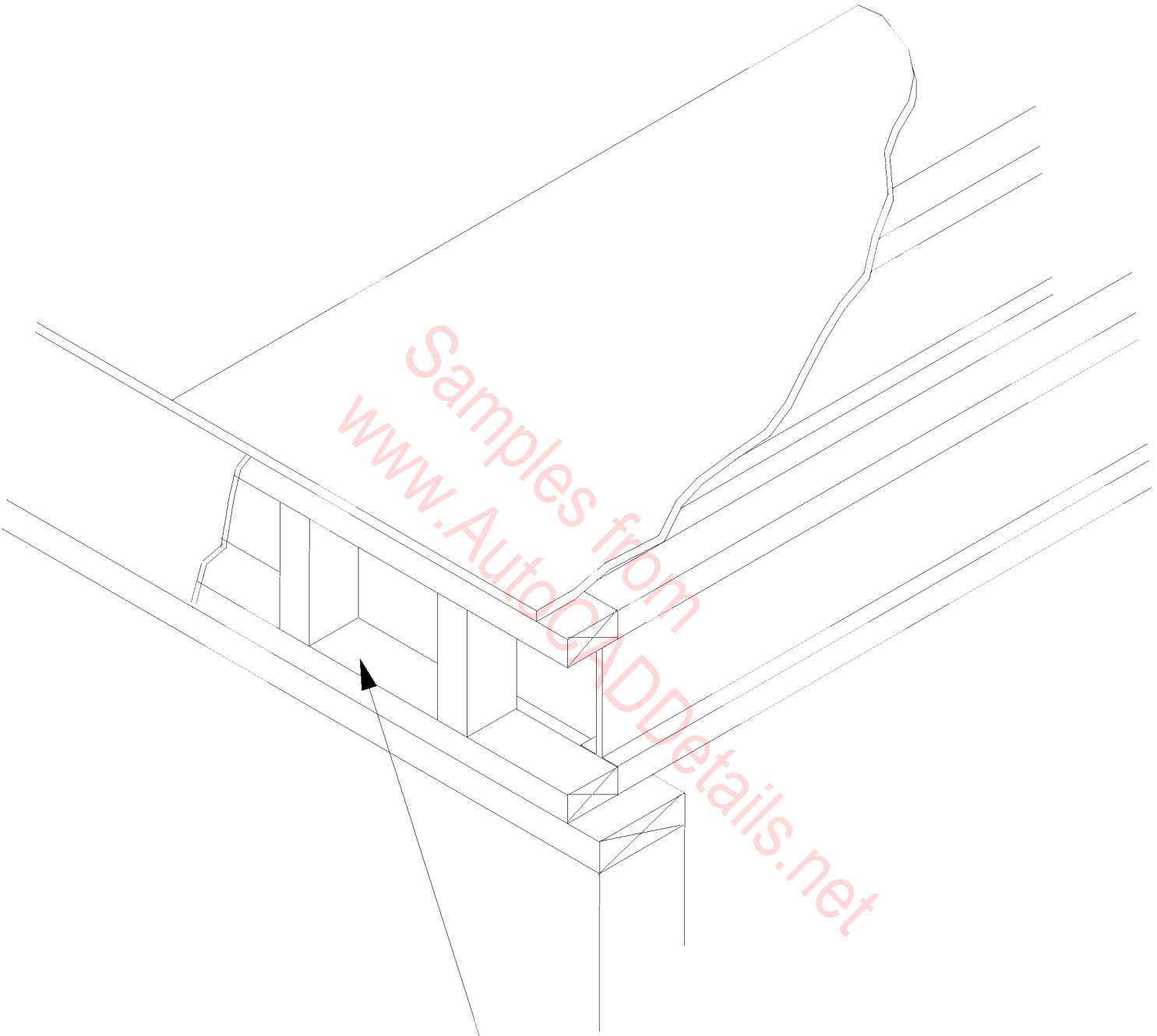
BCI
rim joist.



Notes: BCI floor joist must be designed to carry wall above when not stacked over wall below.

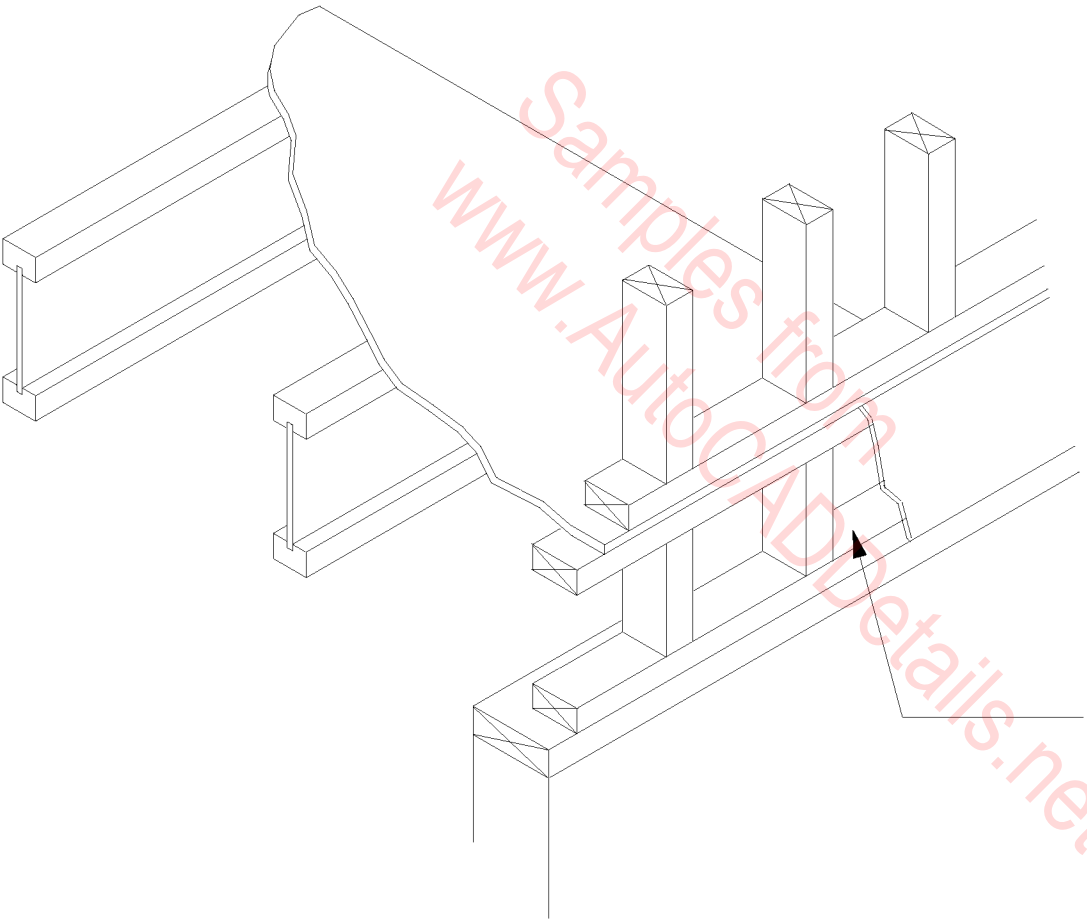
2x- nailed to the side of the BCI joist with wood backer.
Nail through the BCI joist and backer into
the 2x- with 2 rows 10d nails at 6" o.c.
and clinch.





Kneewall w/sheathing.

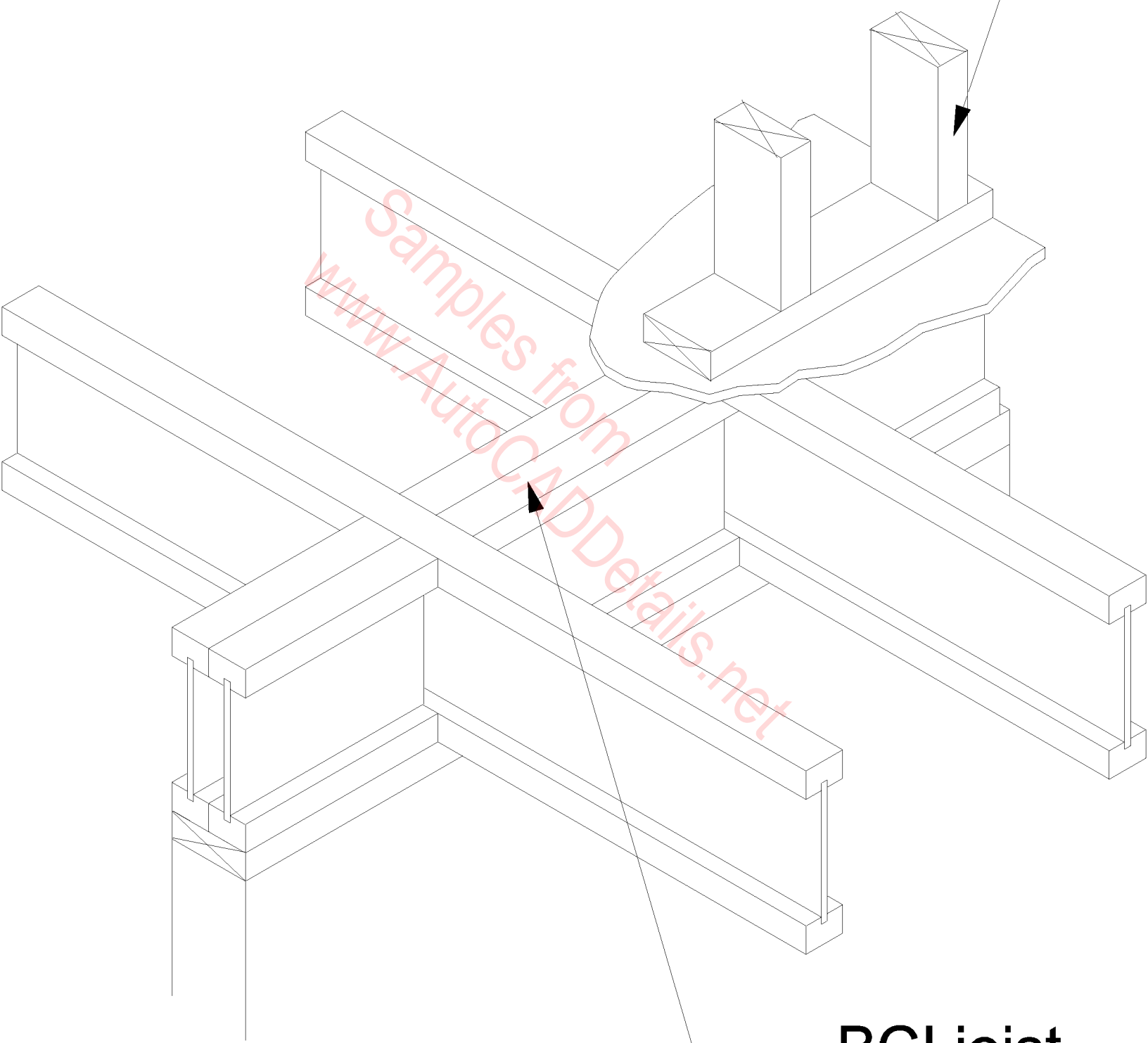
Kneewall must match joist height.



Kneewall w/sheathing.

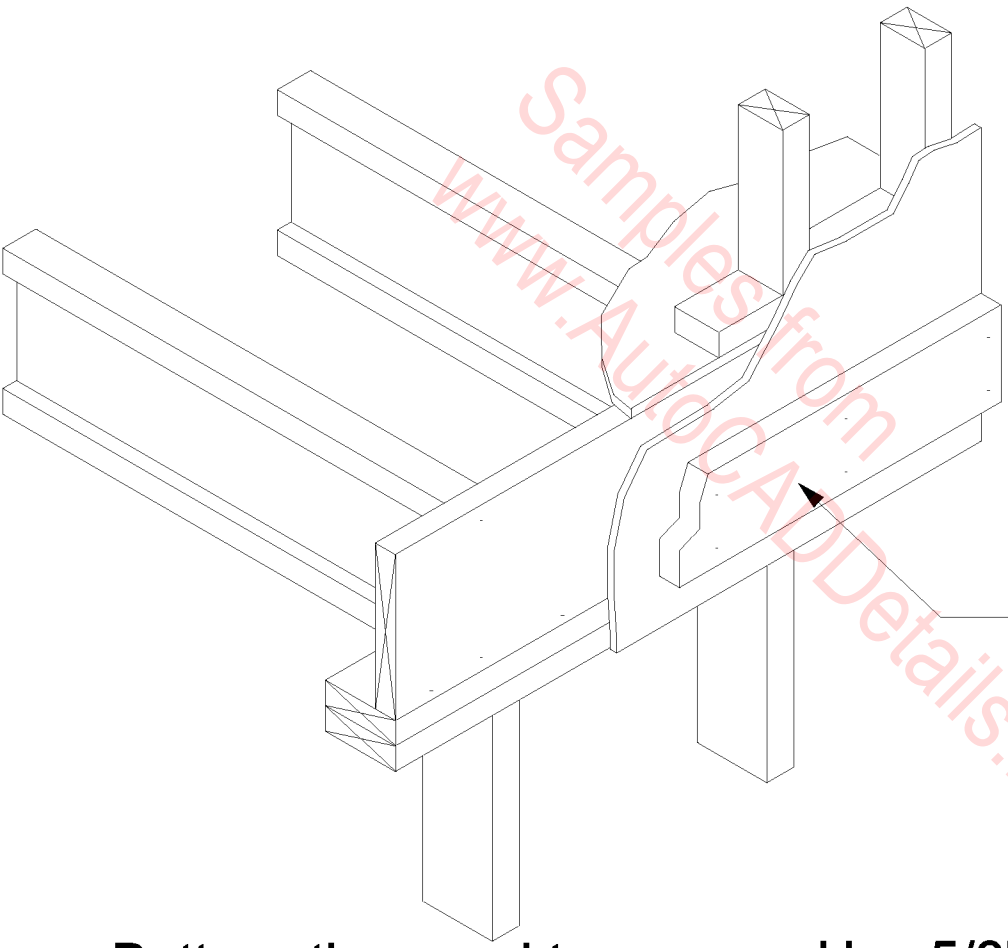
Kneewall must match joist height.

Load bearing wall above
(stacked over wall below.)



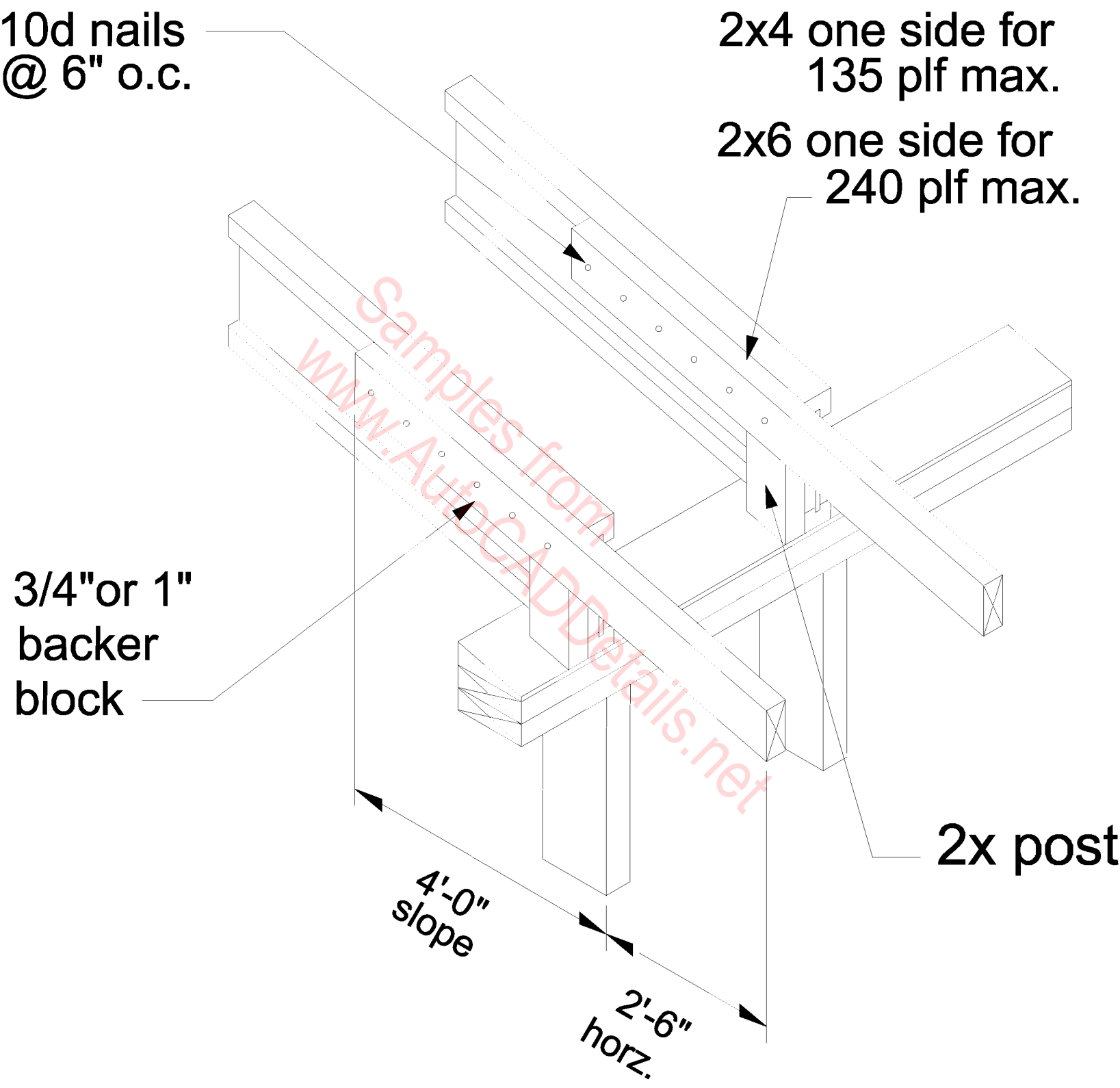
BCI joist
blocking.

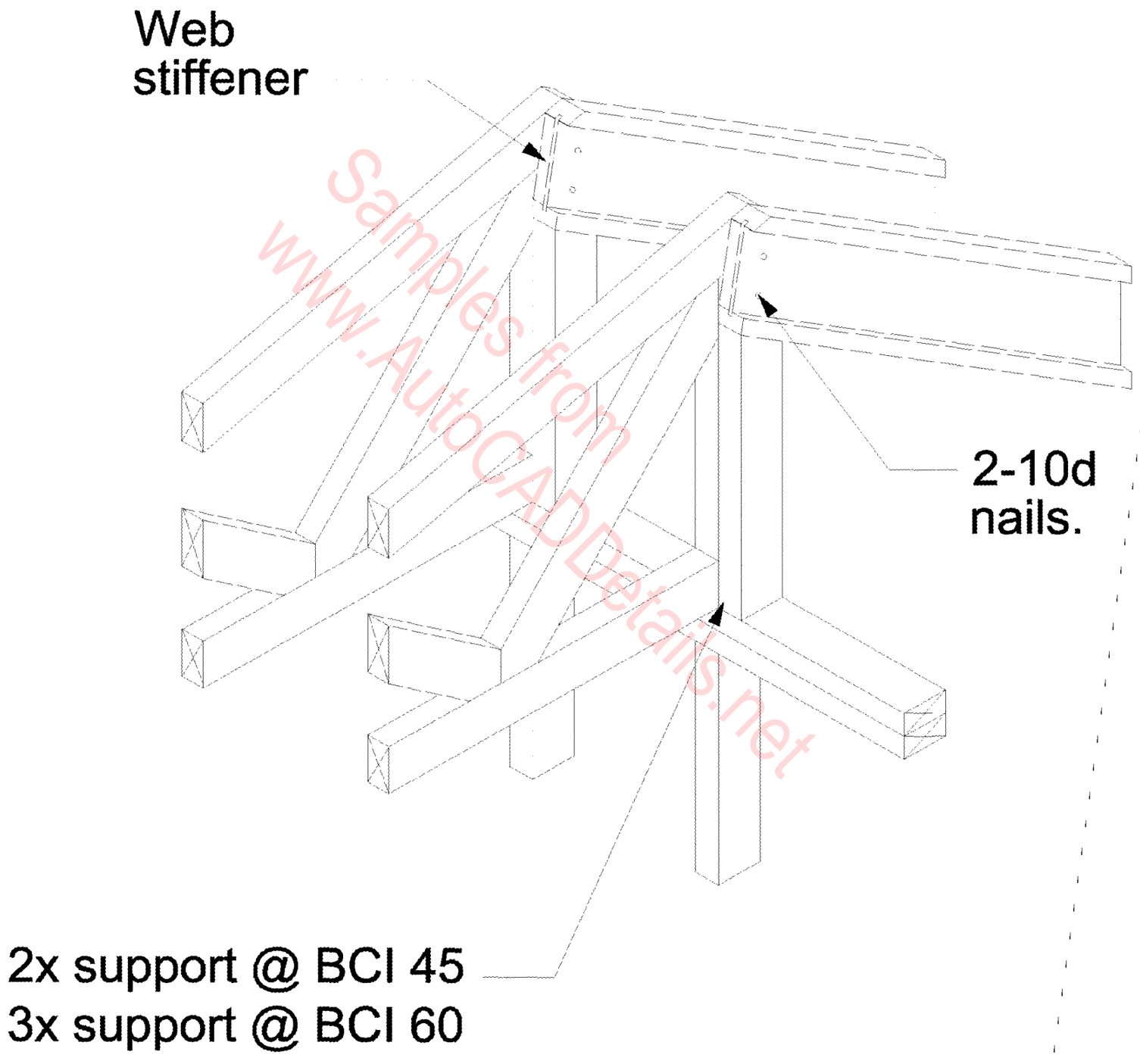
Toe nail to wall plate using 16d at 12" o.c. or 10d @ 6" o.c. (use 5/6 of lateral nail capacity.)



Butt sections end to end. Joints should occur between joists.

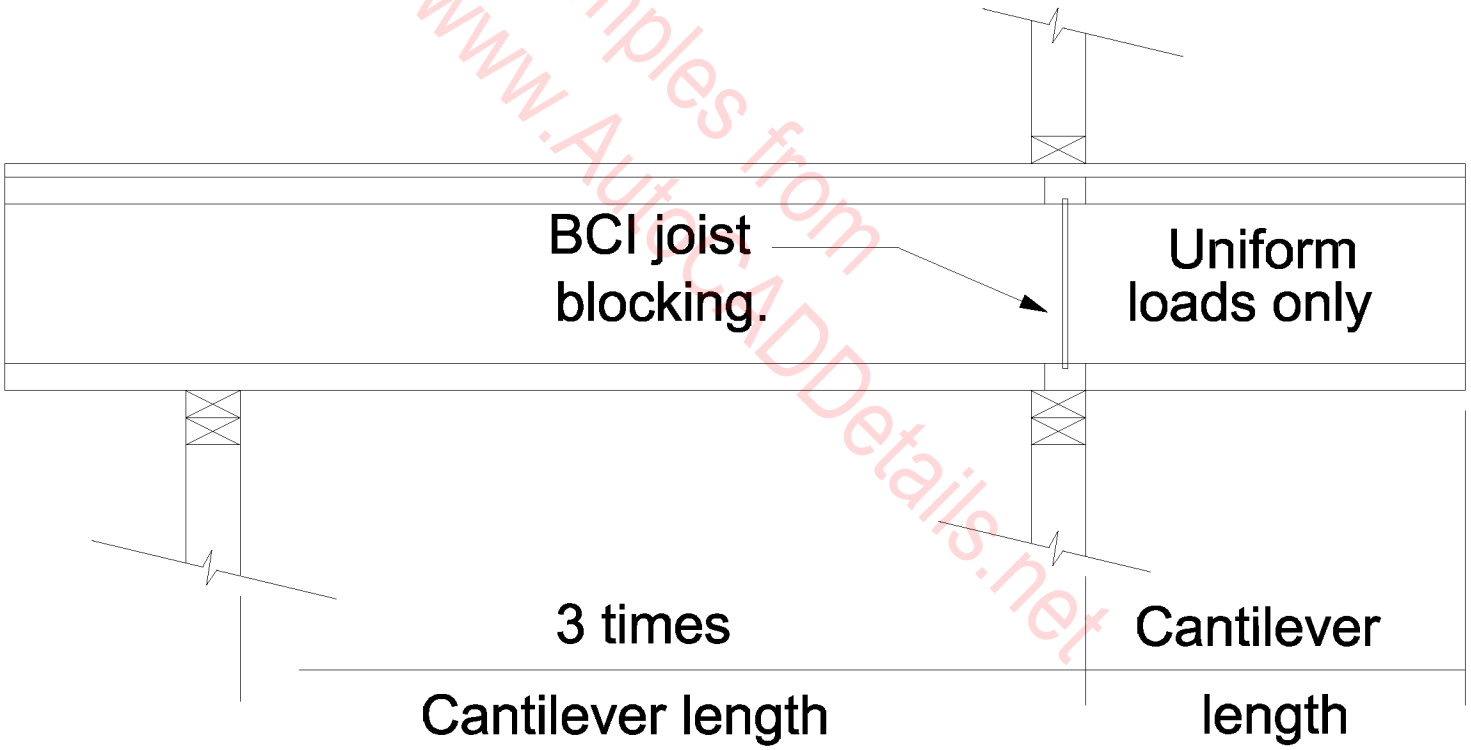
Use 5/8" or 3/4" Machine Bolts spaced as required.

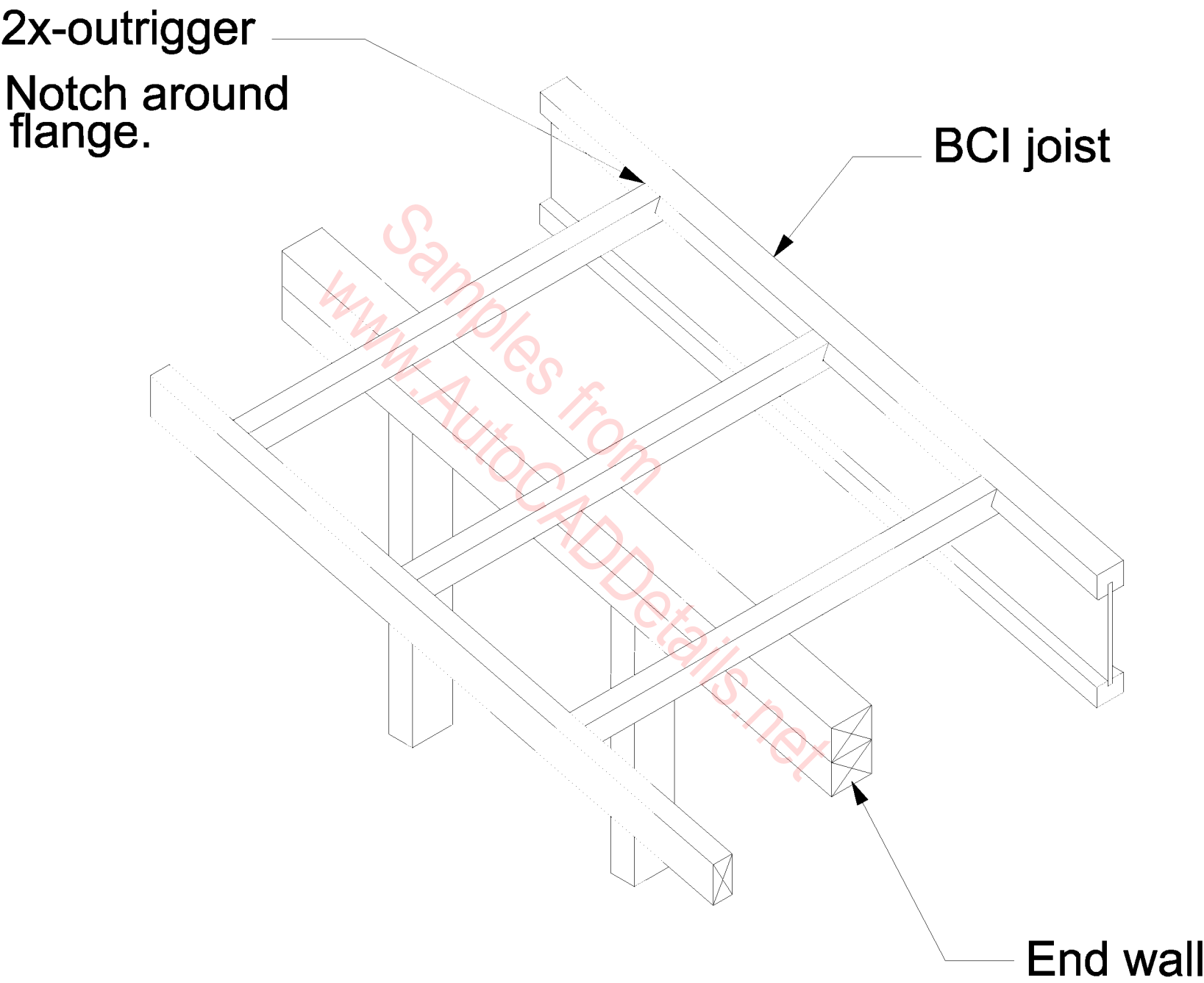




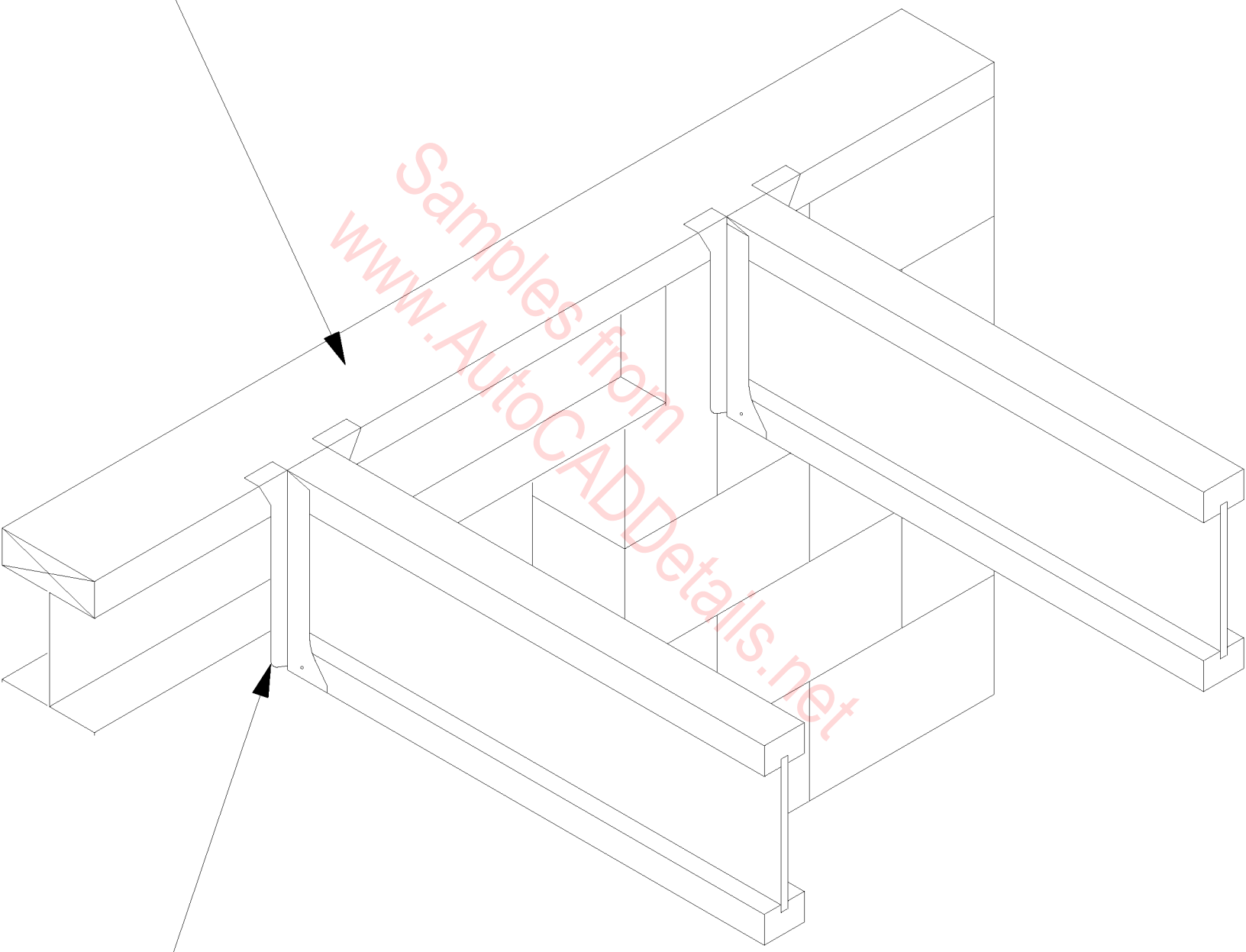
NON-LOAD BEARING CANTILEVER DETAIL

BCI joist should be protected from the weather.



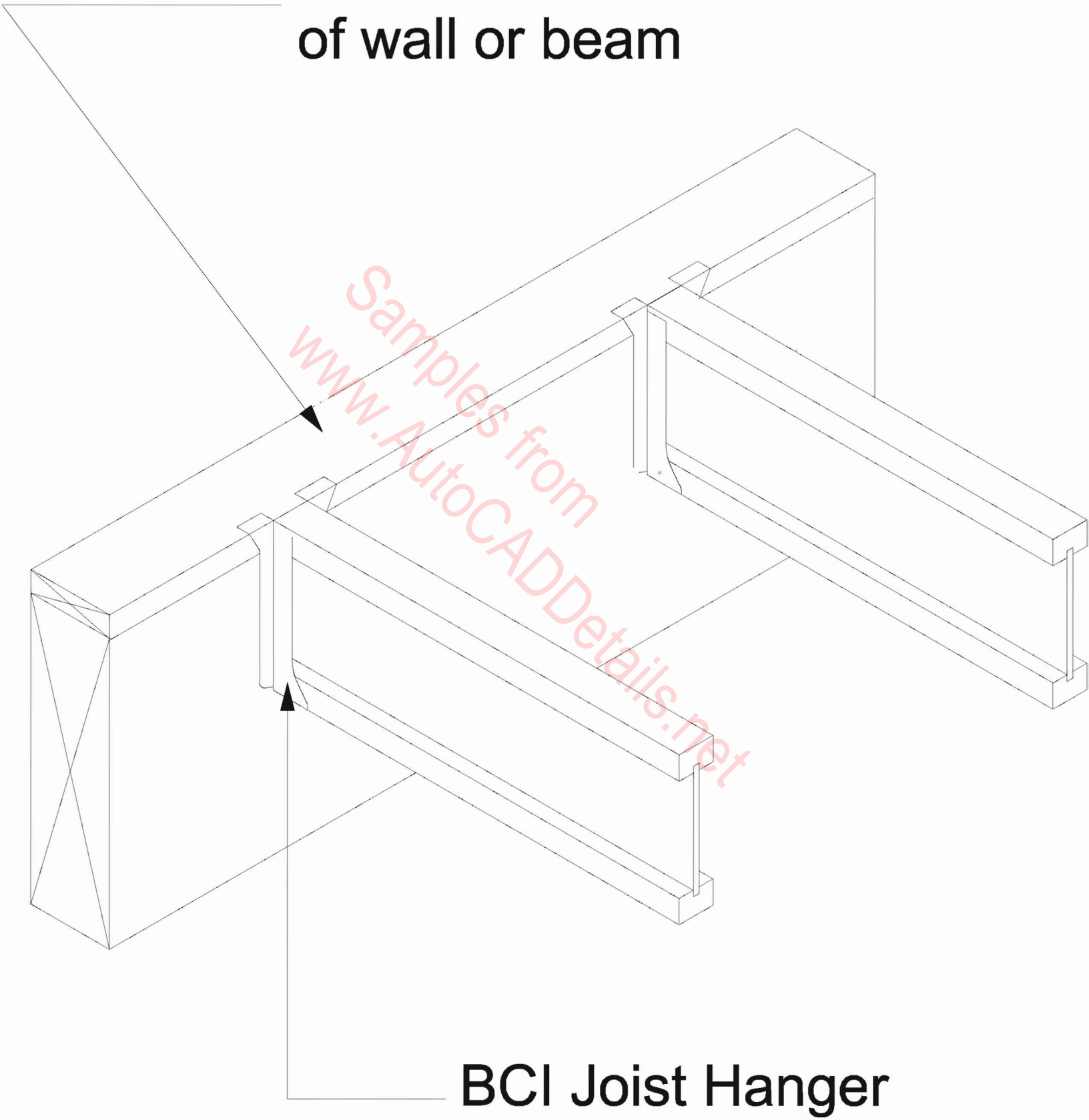


2x- plate flush with inside face of wall or beam.



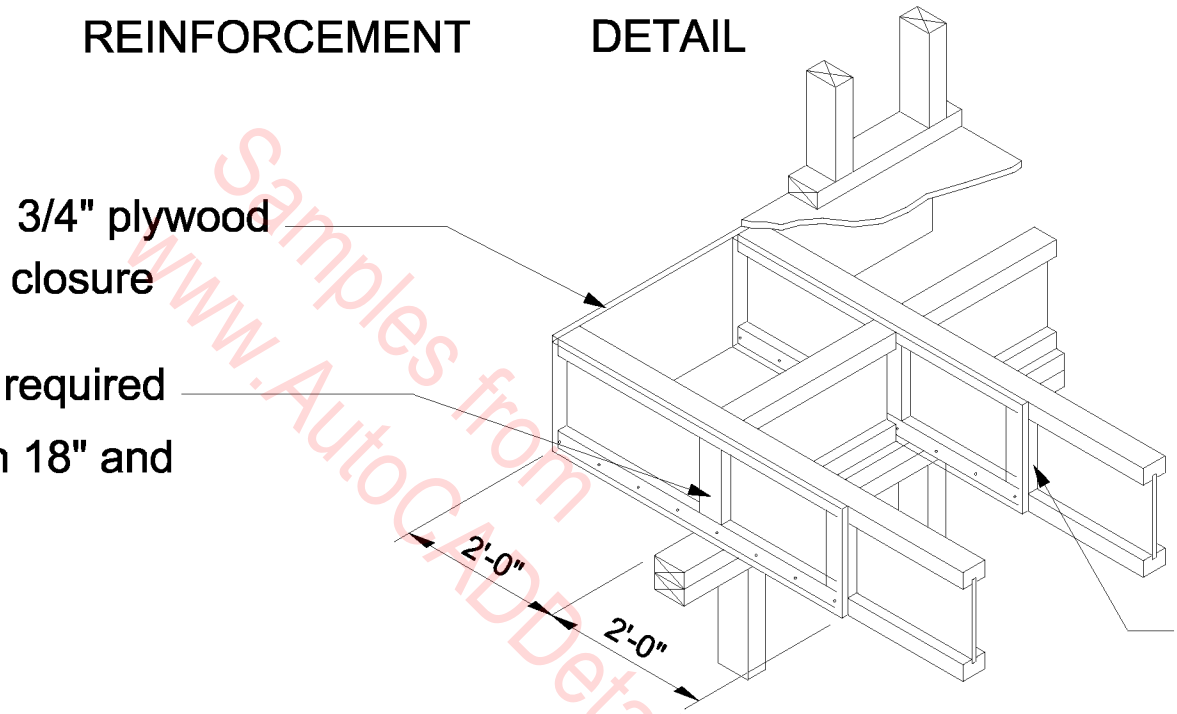
BCI joist hanger.

2x--plate flush with inside face of wall or beam



BCI Joist Hanger

PLYWOOD REINFORCEMENT DETAIL



NOTE:

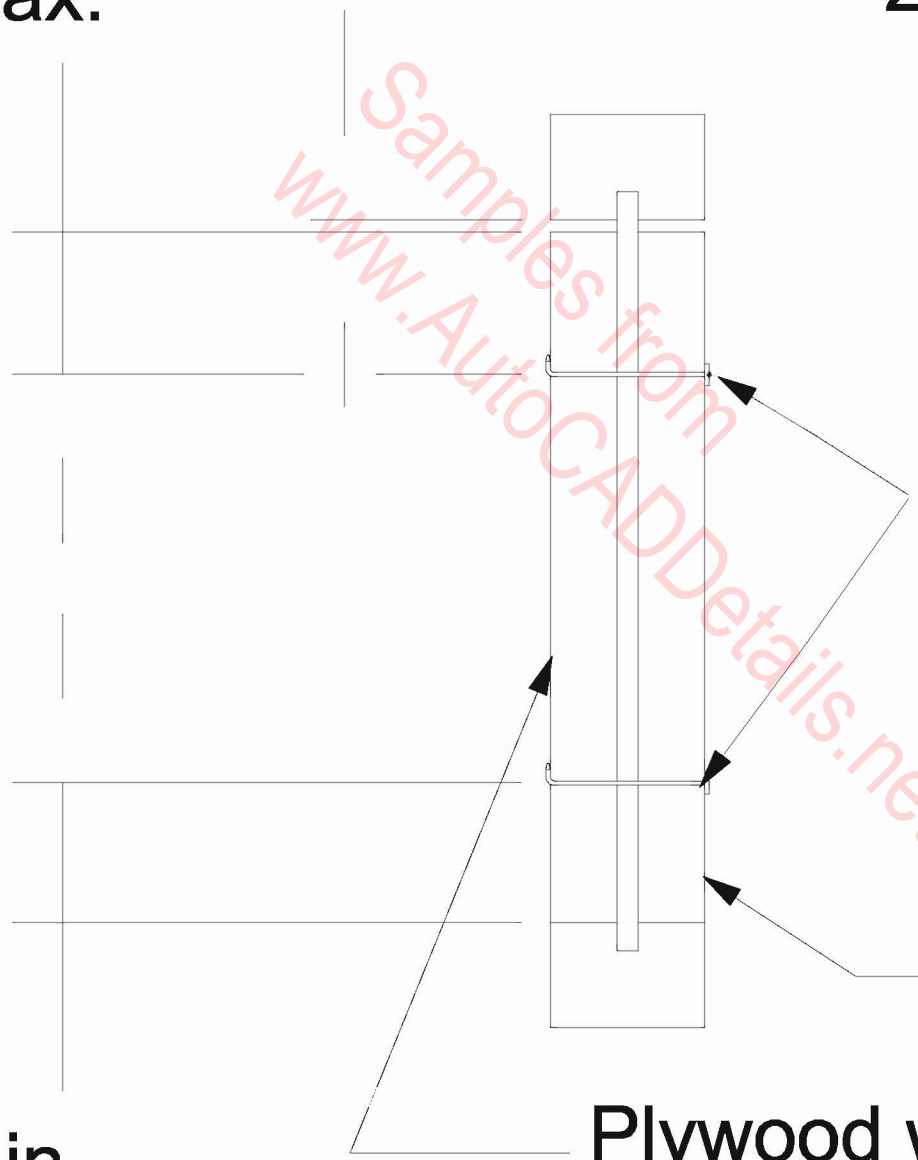
3/4"x48" CDX plywood reinforcement or other 3/4" APA 48/24 rated sheathing must match the full depth of the BCI joist. Nail to the BCI joist with 8d nails at 6" o.c. and nail with 4-8d nails into backer block. When reinforcing both sides, stagger nails to avoid splitting. Install with face grain horizontal.

Web stiffener attachment for 18" and 20" depth.

2" min.
4" max.

Small gap

1/8" min.
2" max.



18" requires 2-8d nails, clinch.

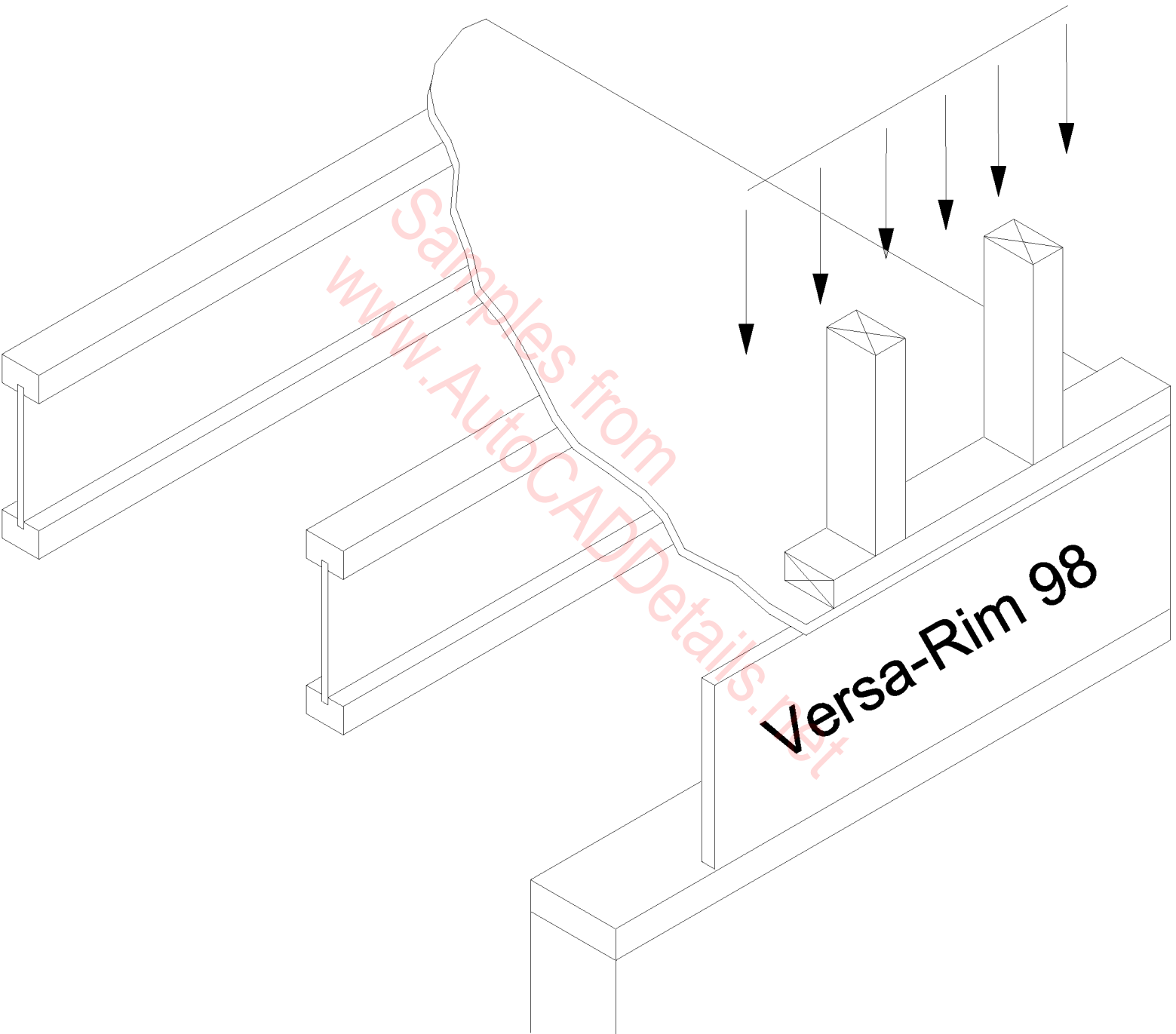
20" requires 3-8d nails, clinch.

Tight fit.

Plywood web stiffener: 5/16" 1" x 2 minimum.

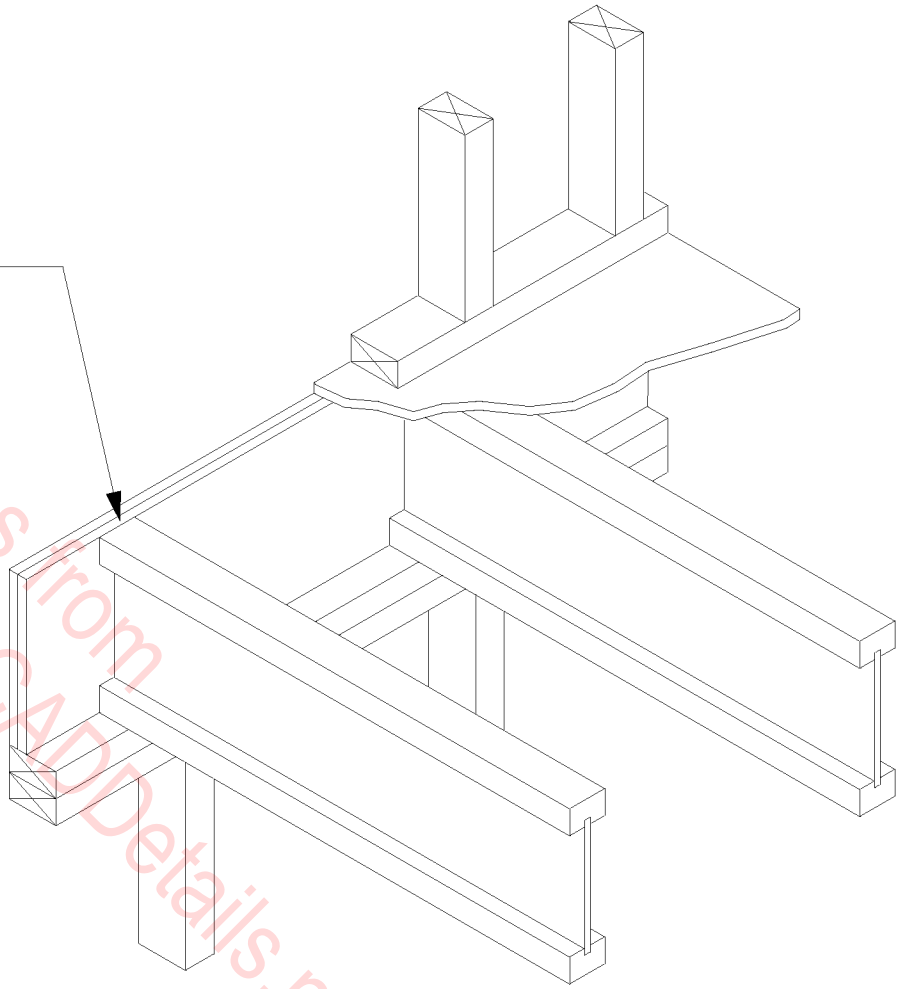
2" min.
4" max.

4000 pounds per foot
Vertical Load Capacity



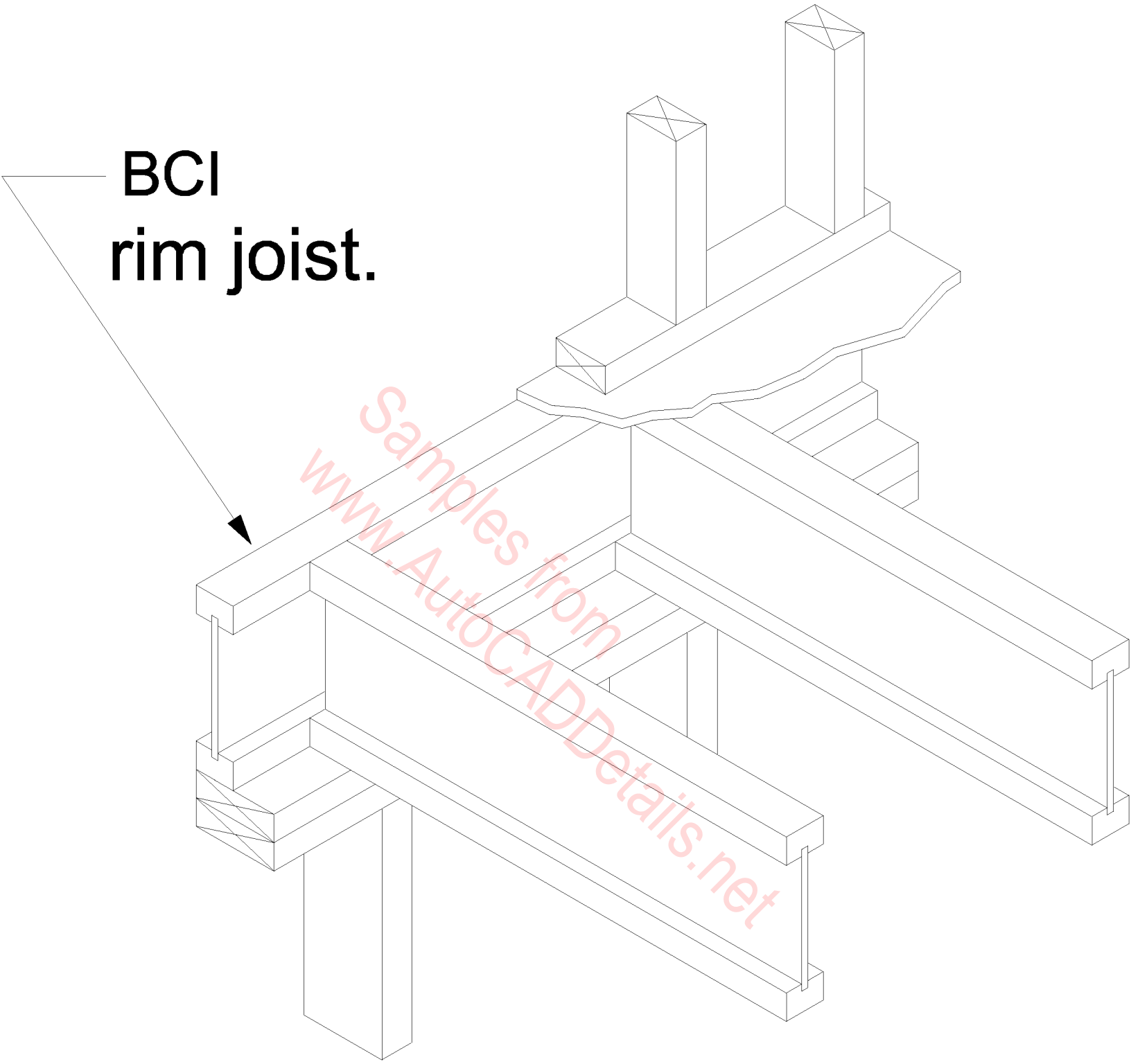
Rim Board Attachment

Two layers 3/4" (48/24)
(48/24) sheathing rim
joist. (Staggered joints).



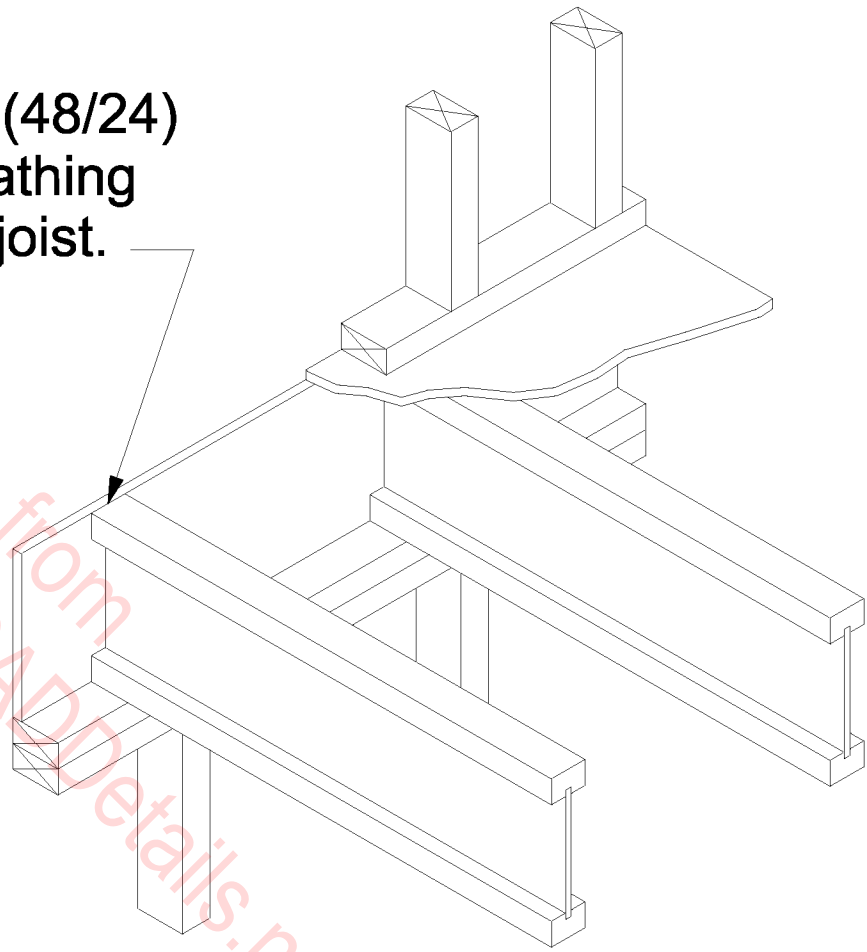
For first story
of second
story application.

Where a plywood rim is used, bracing complying with code must be carried to the foundation, or BCI joist solid blocking used a minimun of 4' every 25' of bearing wall length.



Note:
Minimum 2x6 bearing plate required if used with 60 series joist.

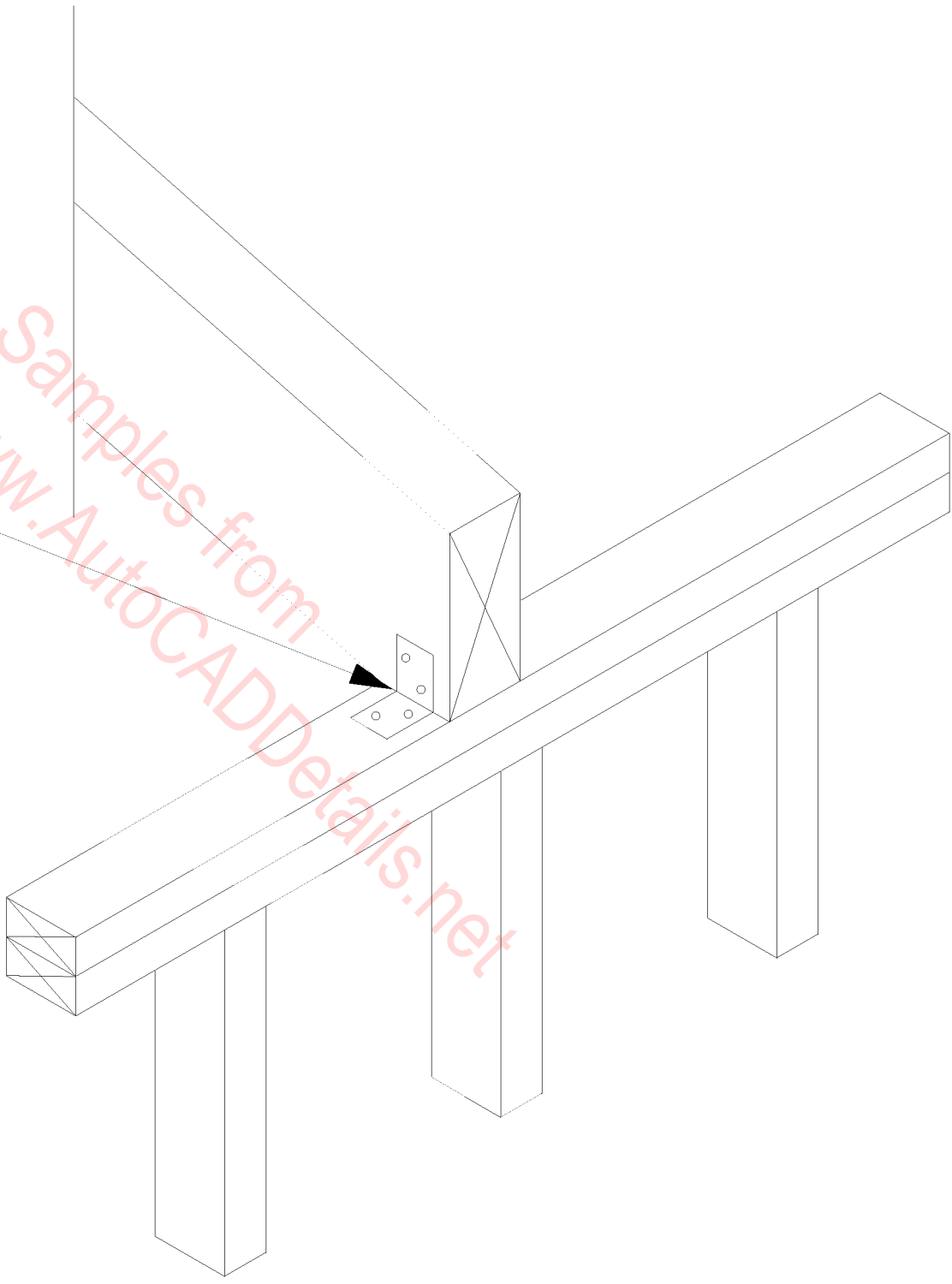
3/4" (48/24)
sheathing
rim joist.

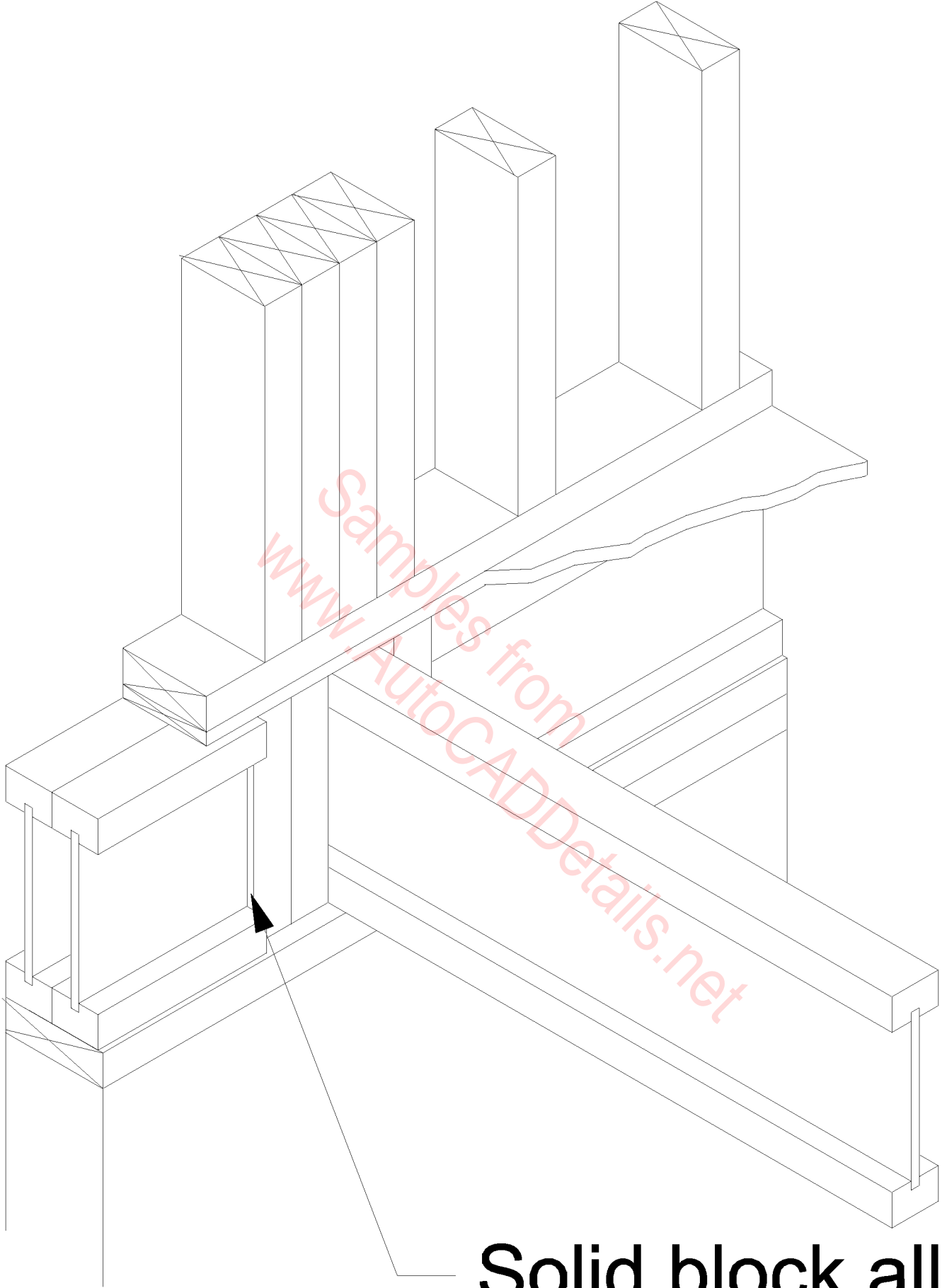


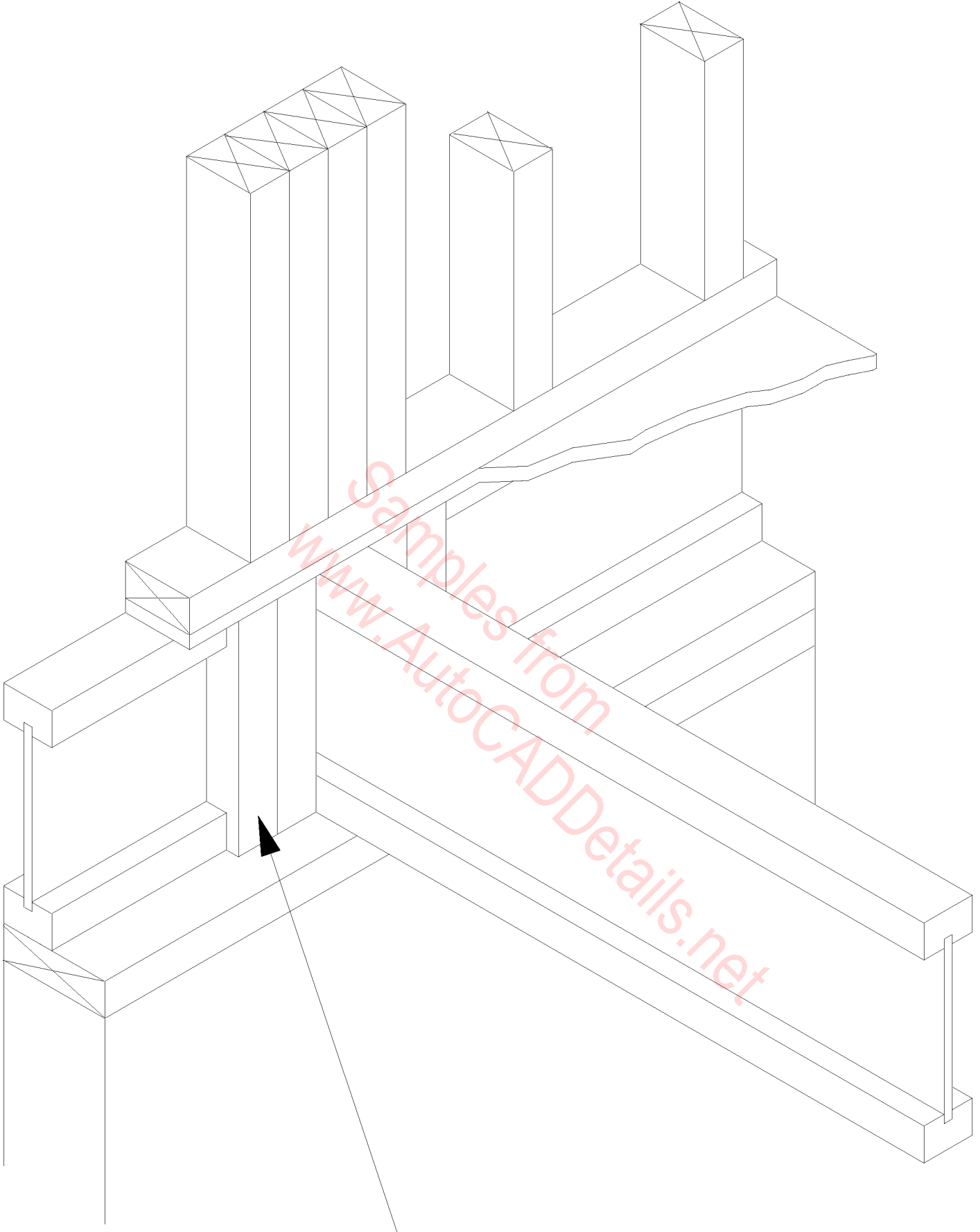
For single story
application, or second
story of two story
application.

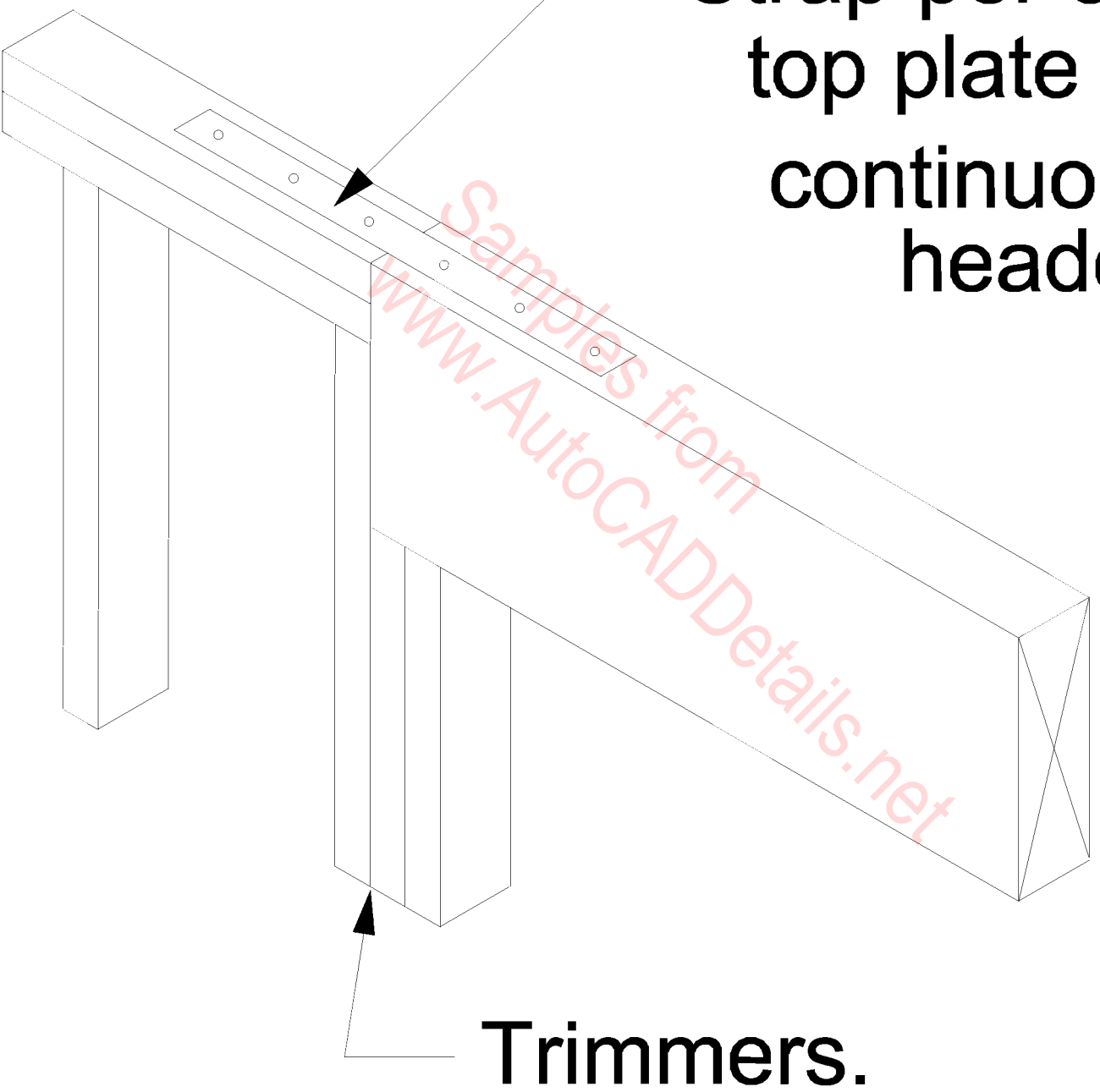
Where a plywood rim is used, bracing complying
with code must be carried to the foundation,
or BCI joist solid blocking used a minimun of
4' every 25' of bearing wall length.

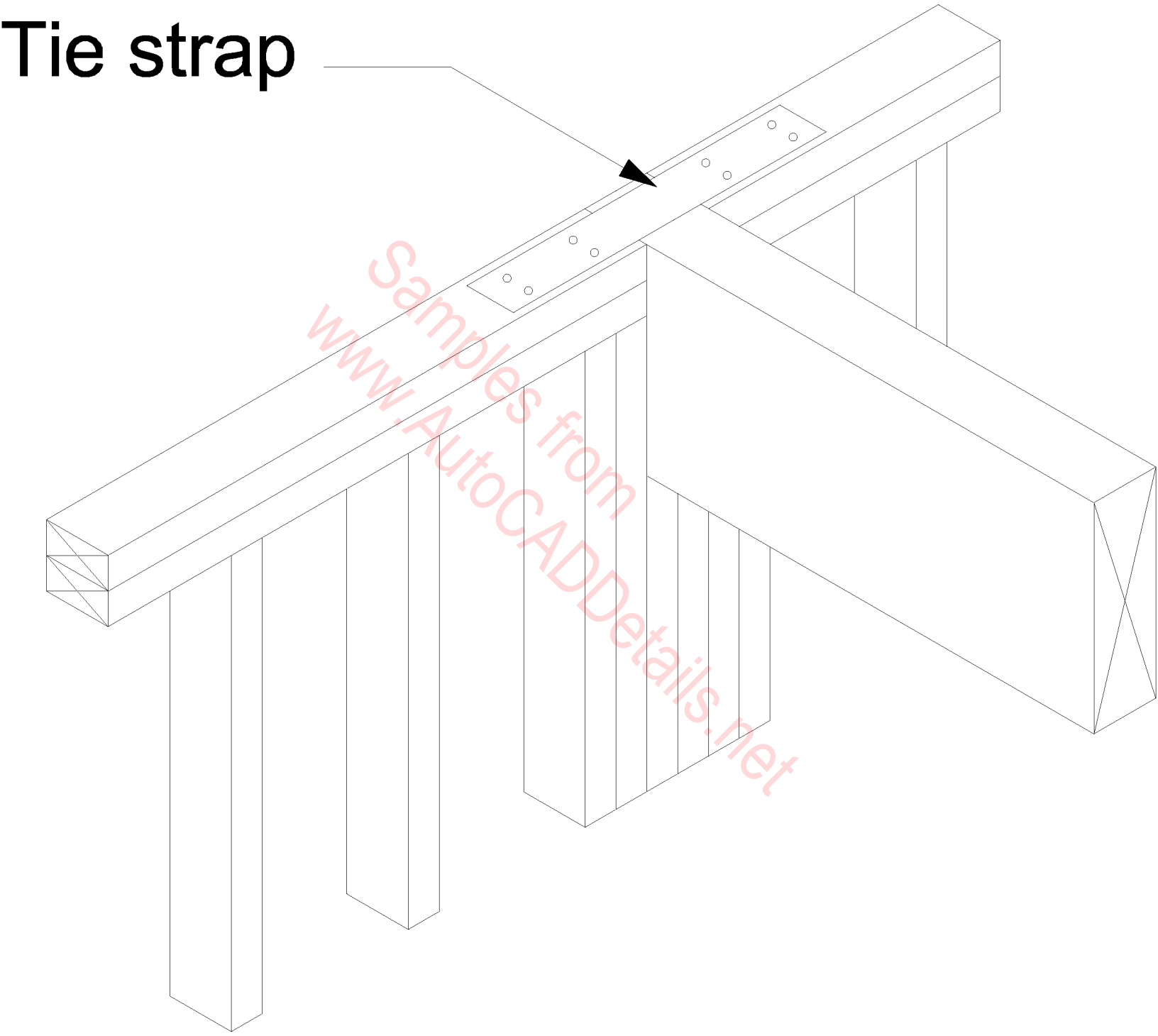
Sloped
seat cut.



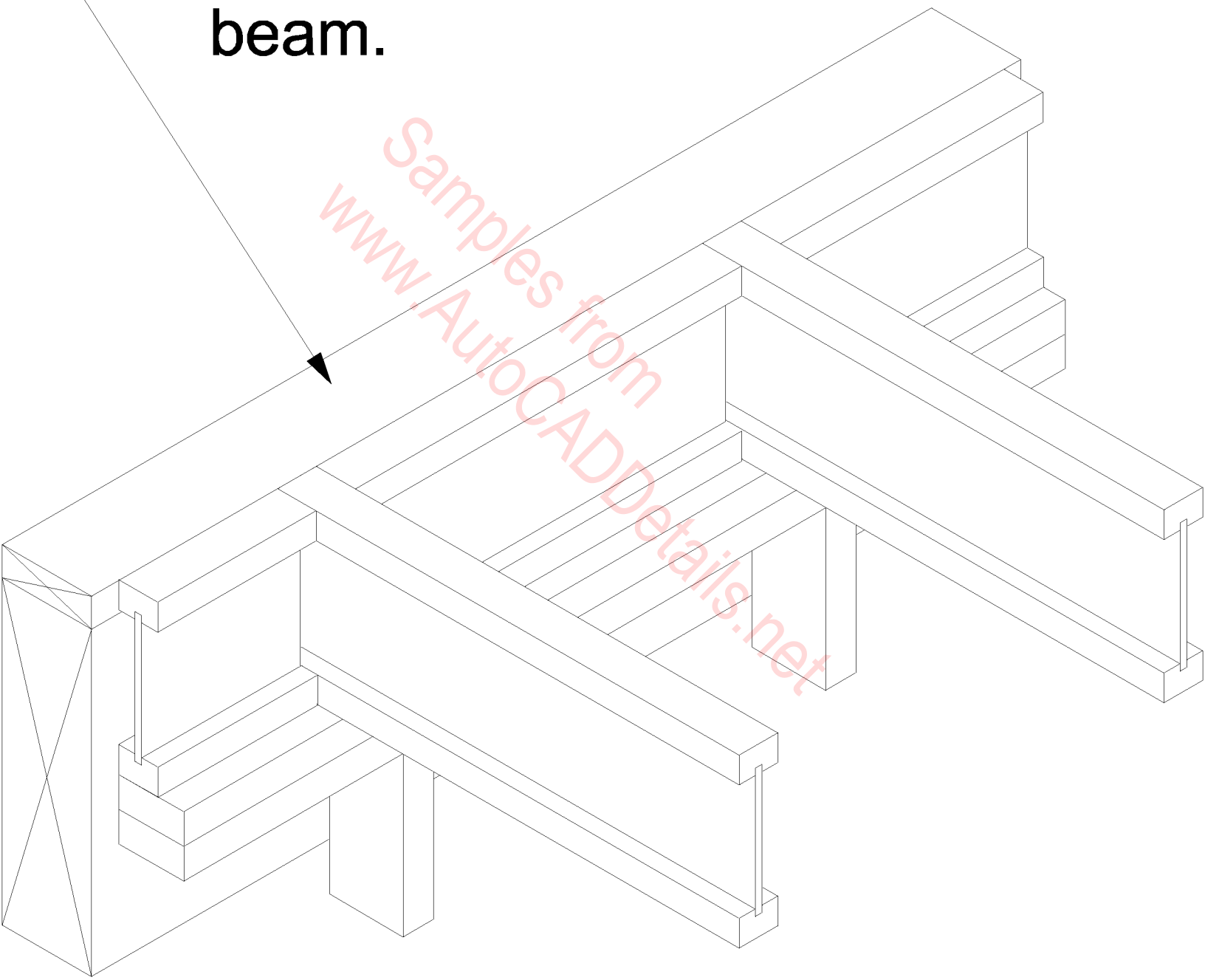


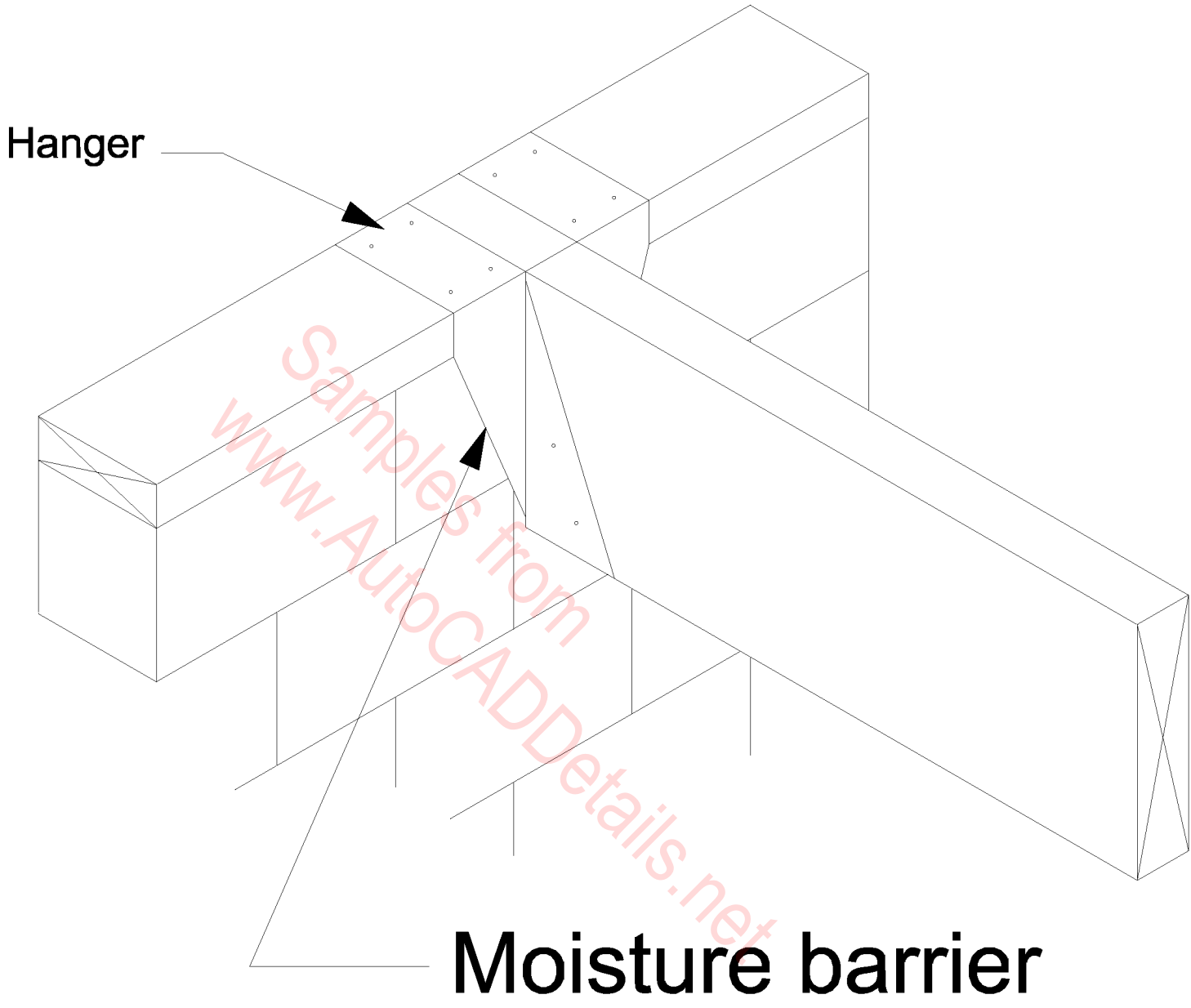




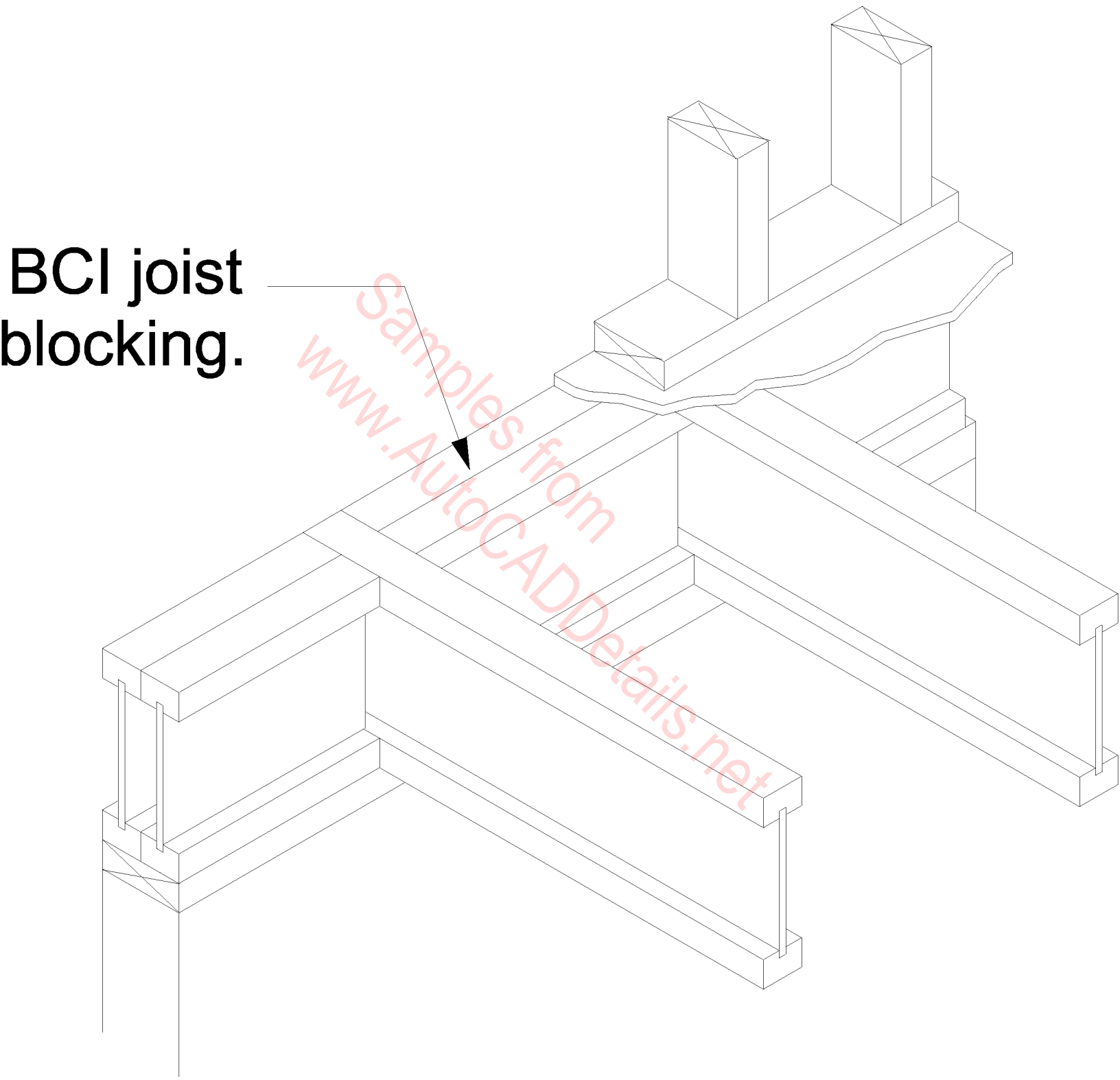


2x--plate flush with inside face of wall or beam.

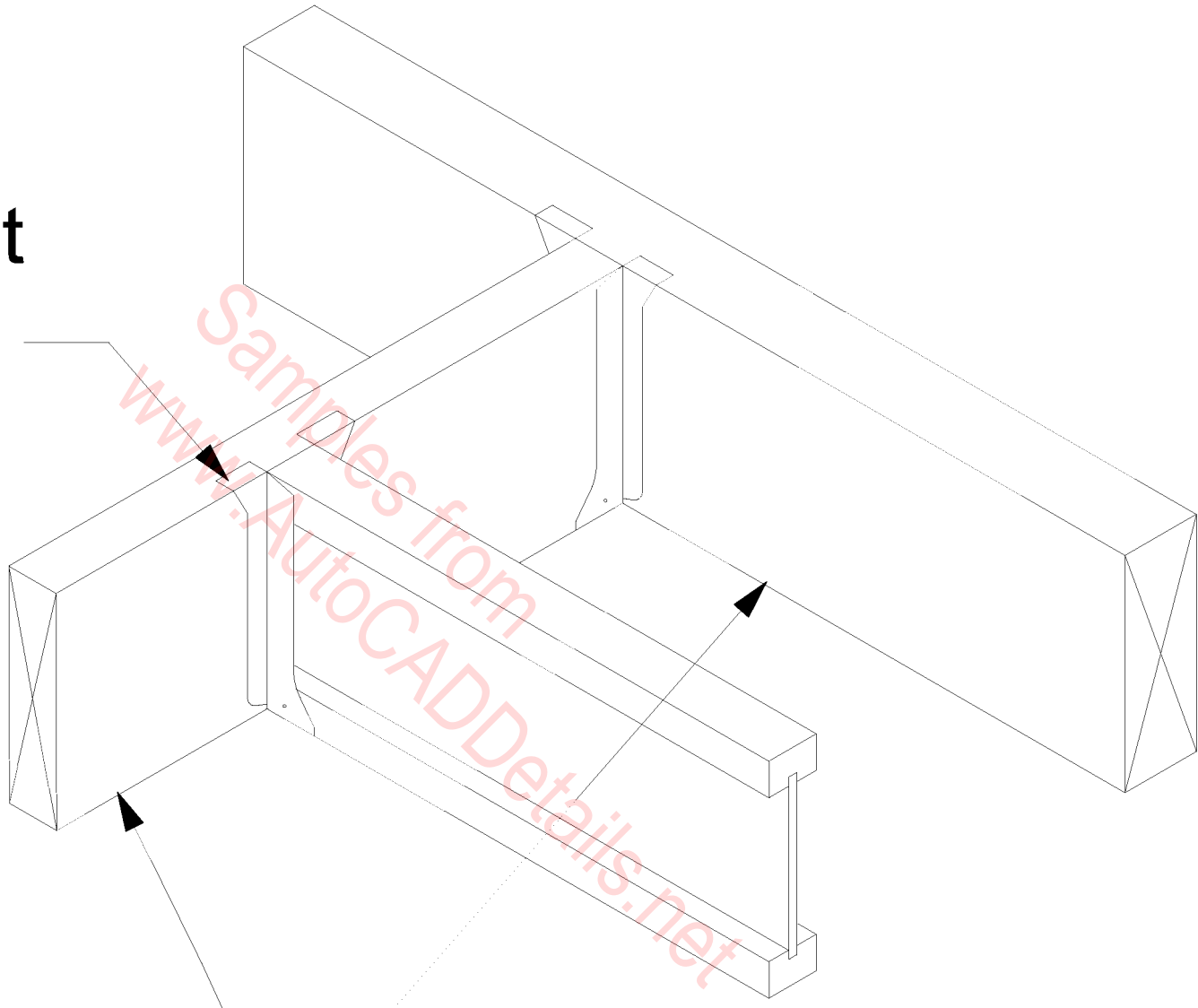




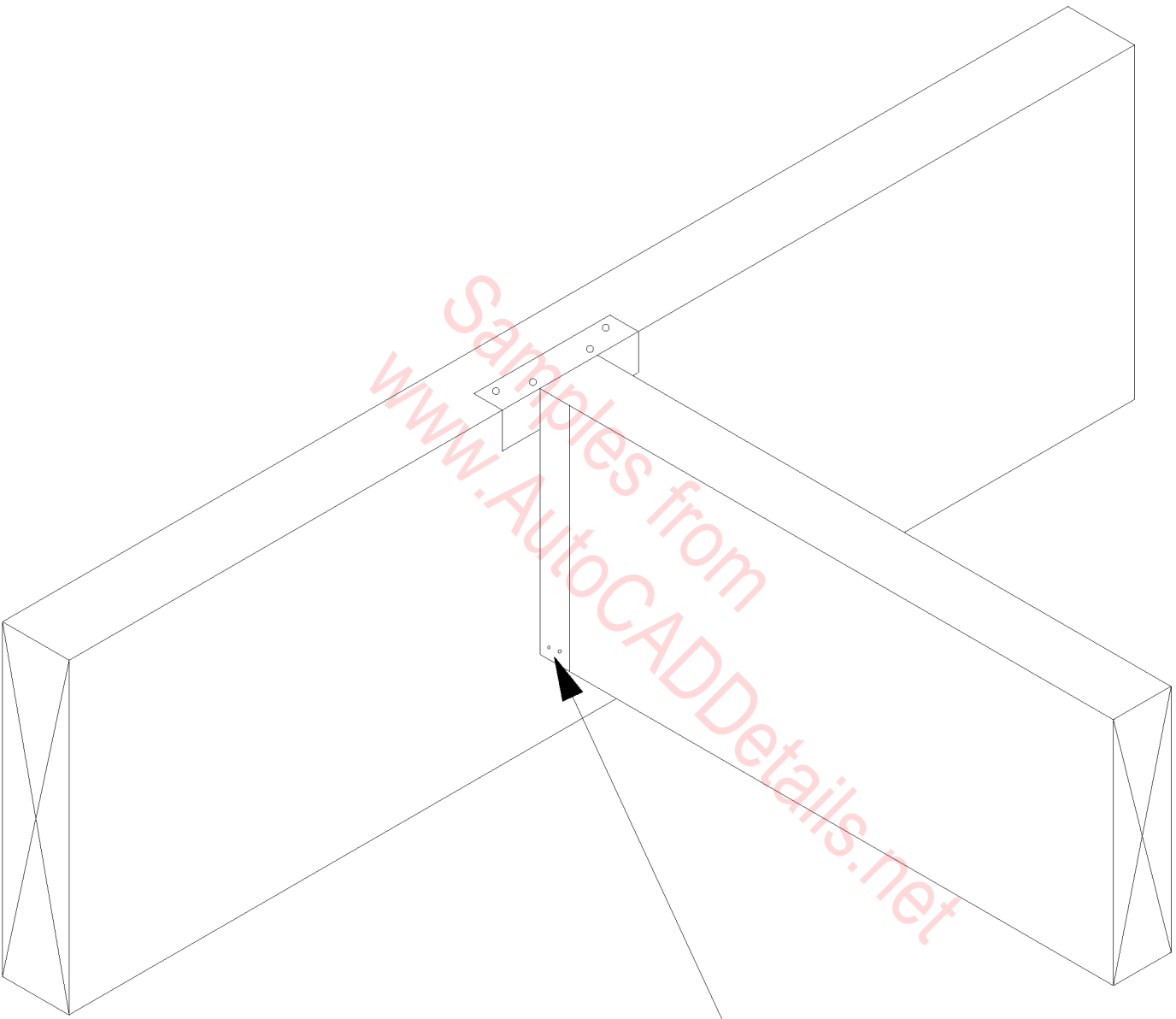
Wood top plate must be flush with inside of wall.



BCI joist hanger.

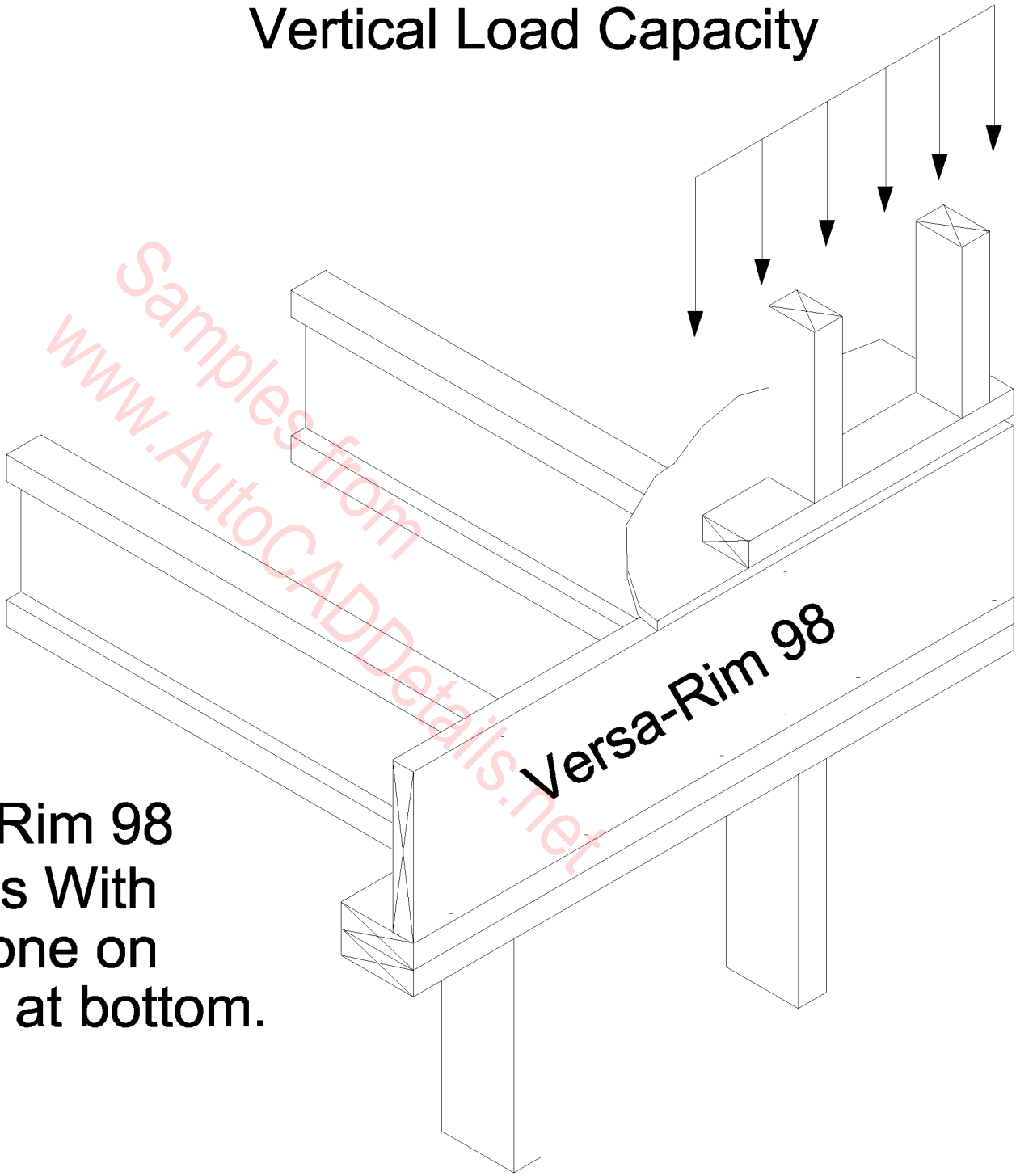


VERSA-LAM LVL beam.

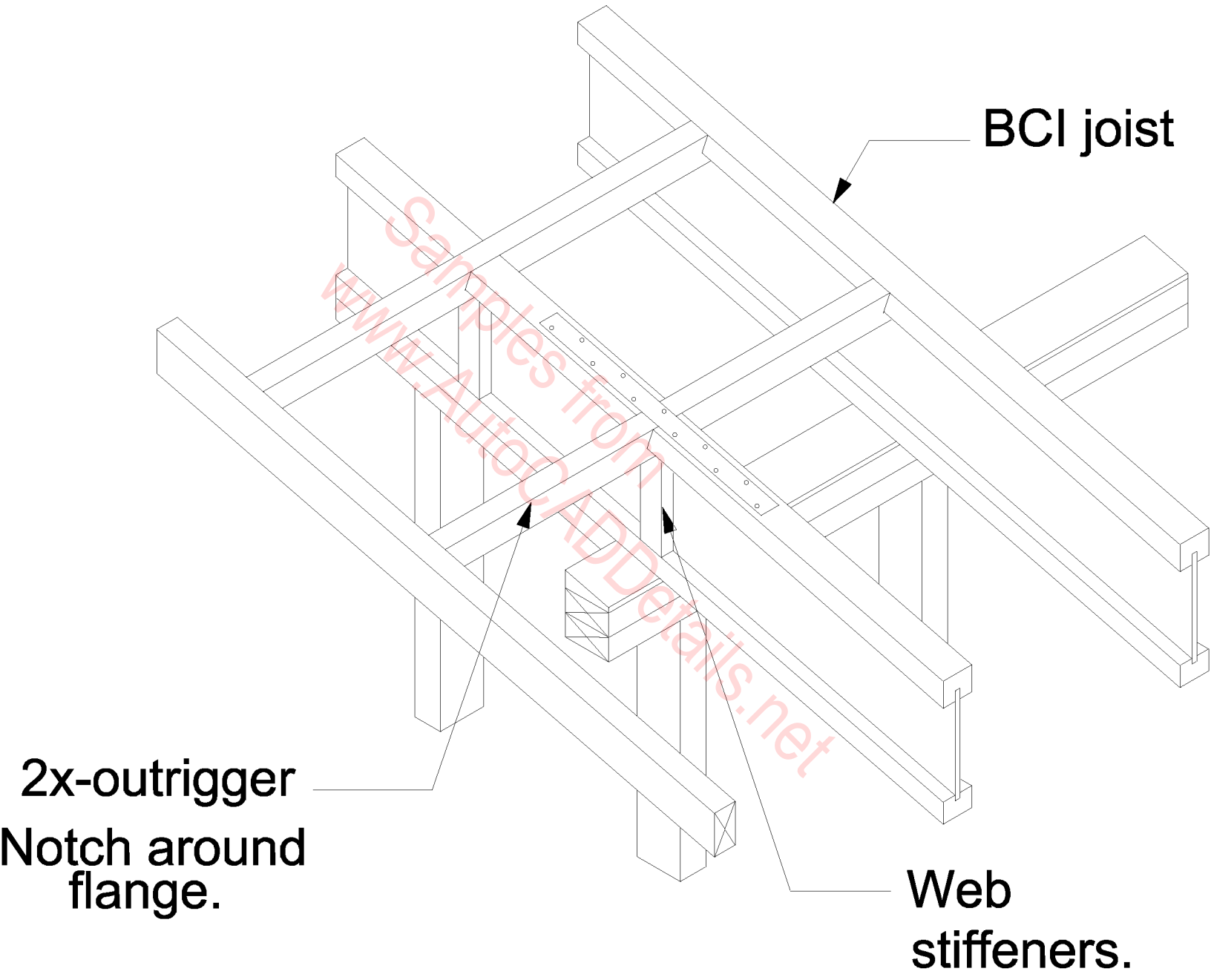


VERSA-LAM
LVL hanger

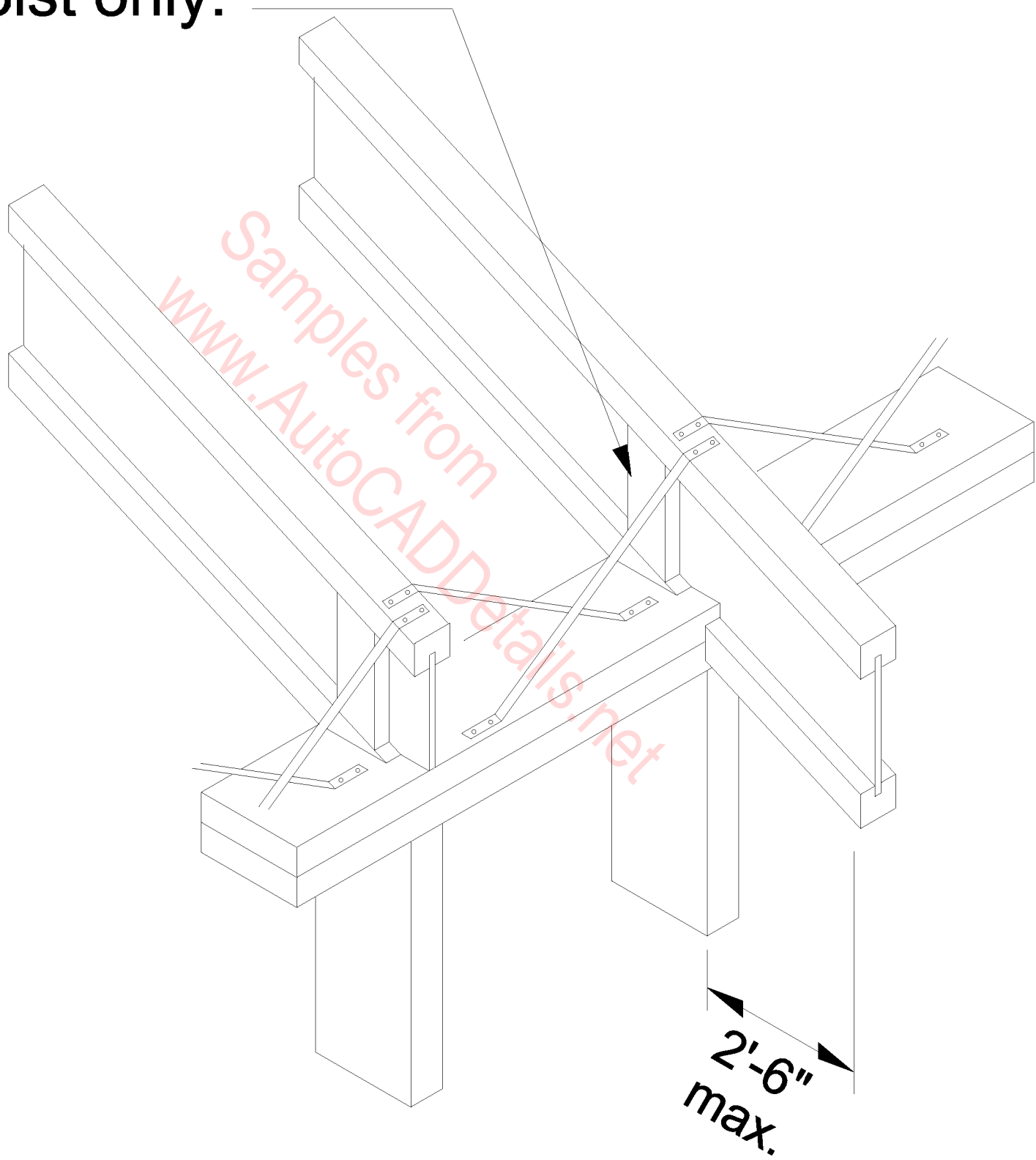
4000 pounds per foot
Vertical Load Capacity

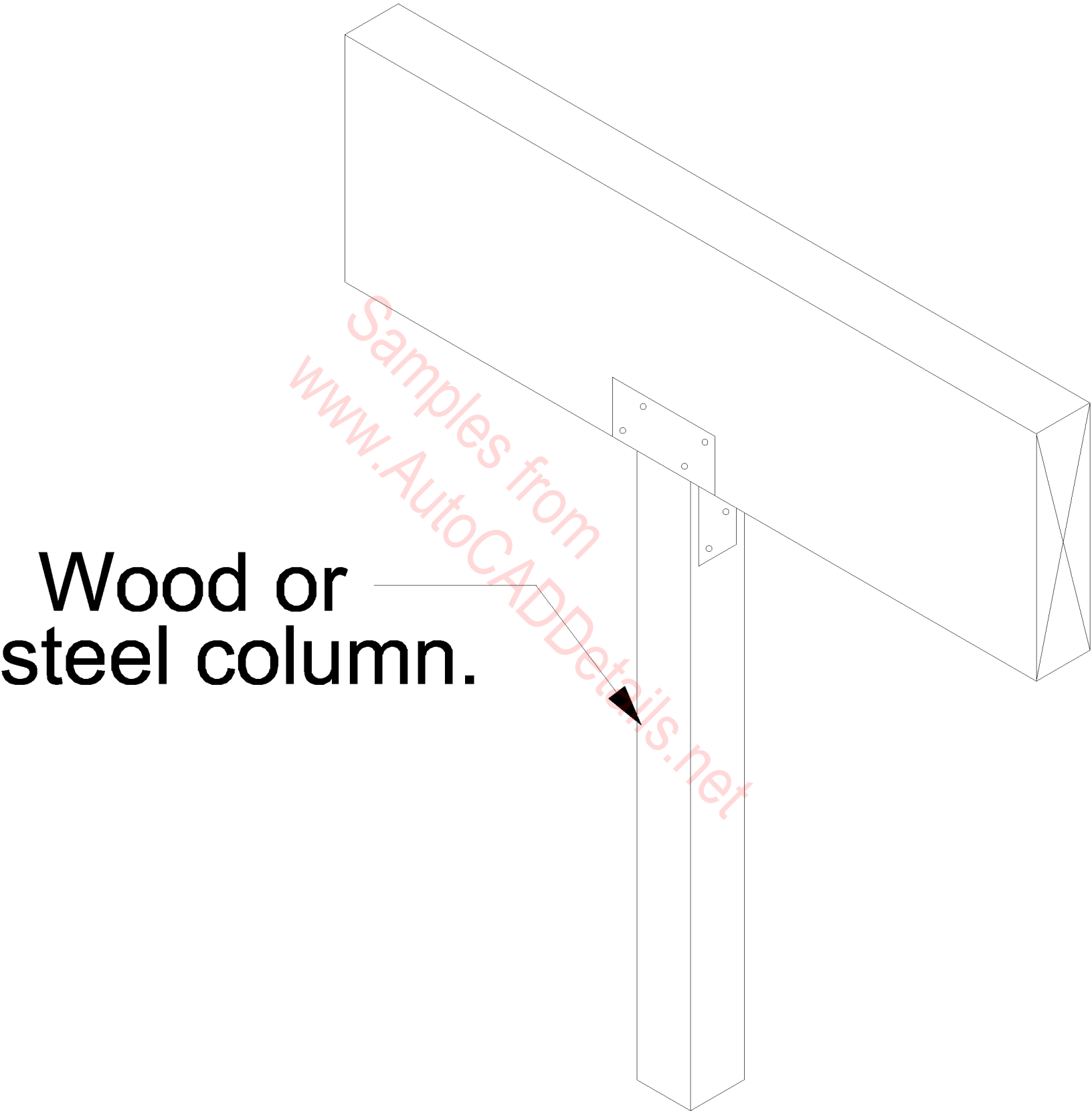


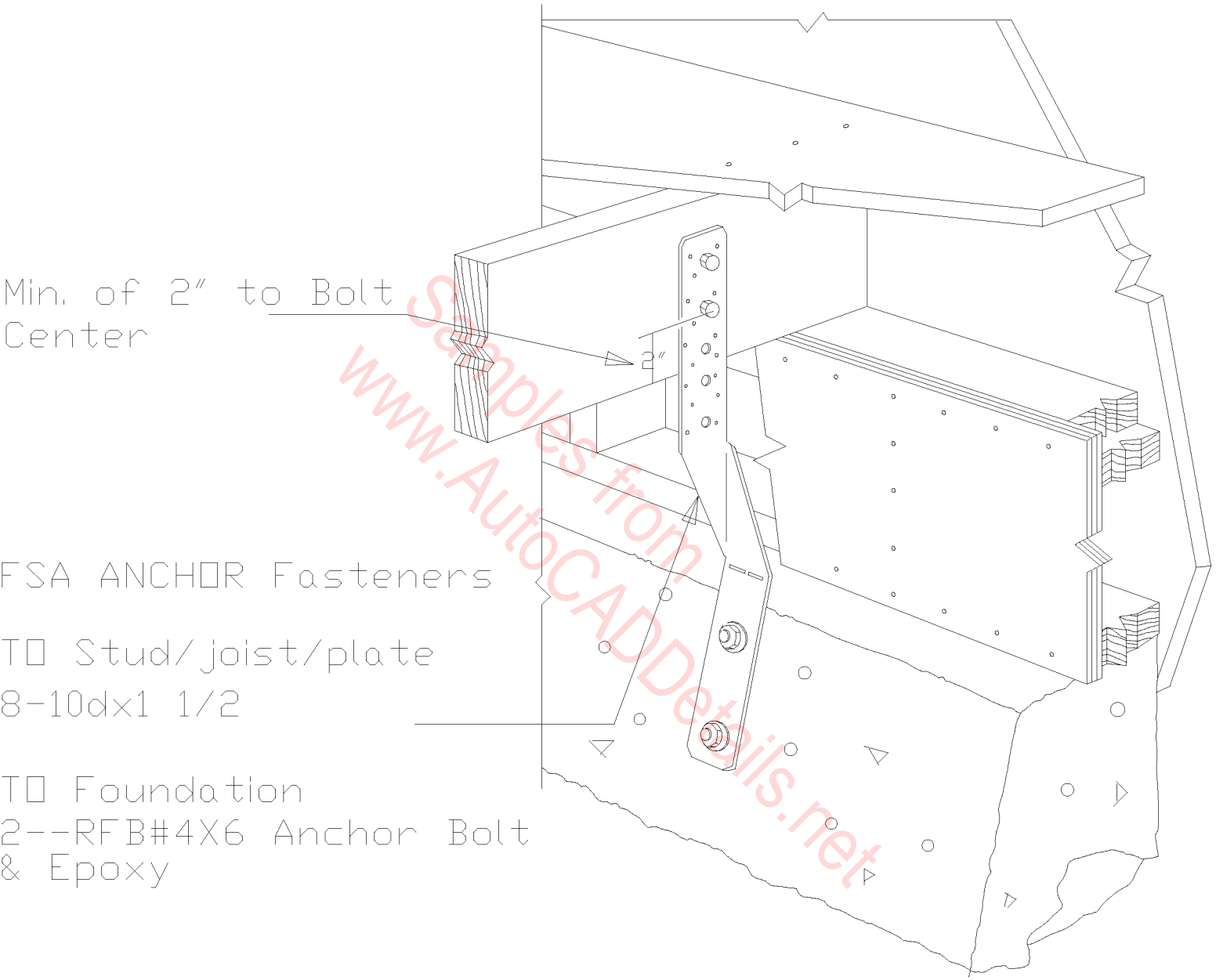
Nail Versa-Rim 98
to BCI Joists With
2-8d nails, one on
top and one at bottom.



Web stiffener required each side for 14" and deeper BCI joist only.







FOUNDATION TO FLOOR JOIST (RETROFIT)