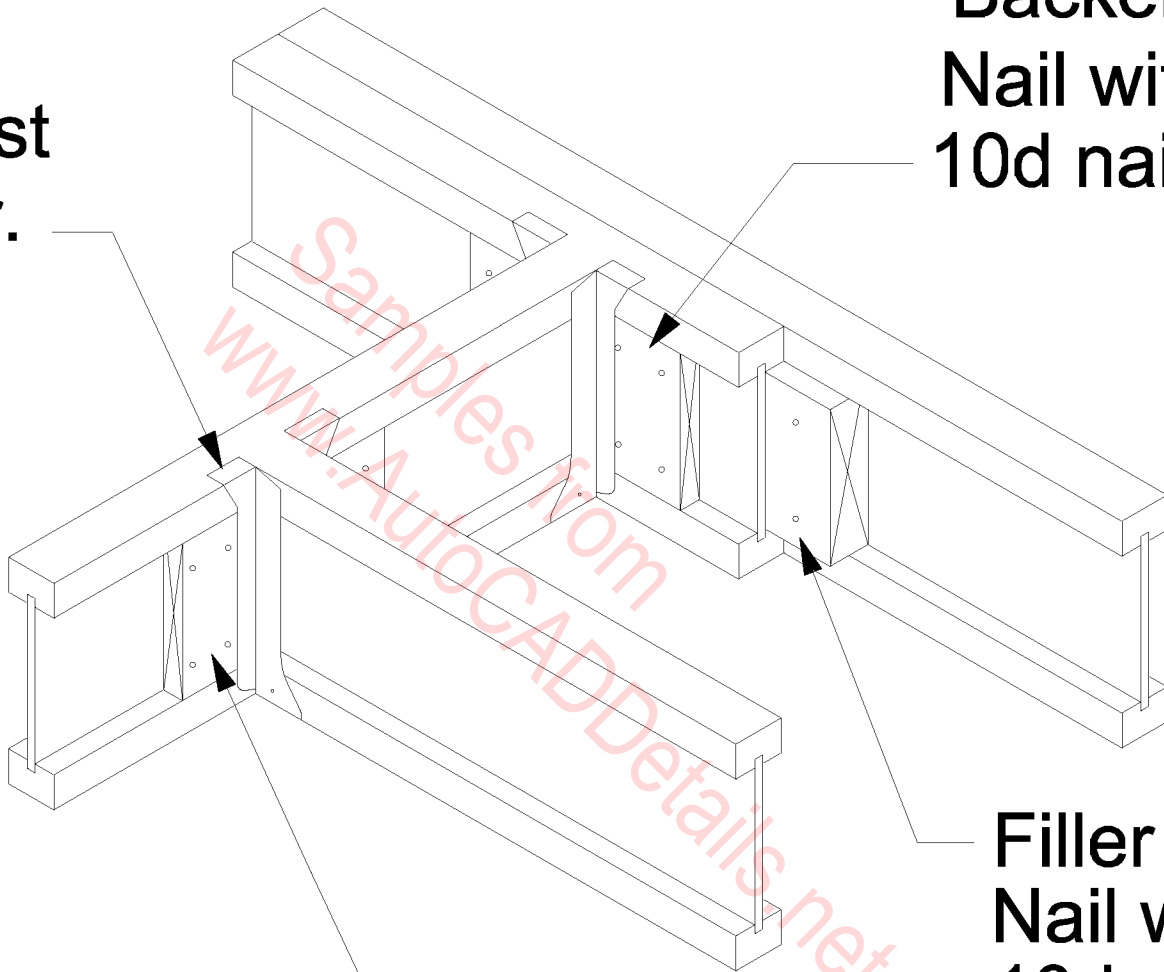


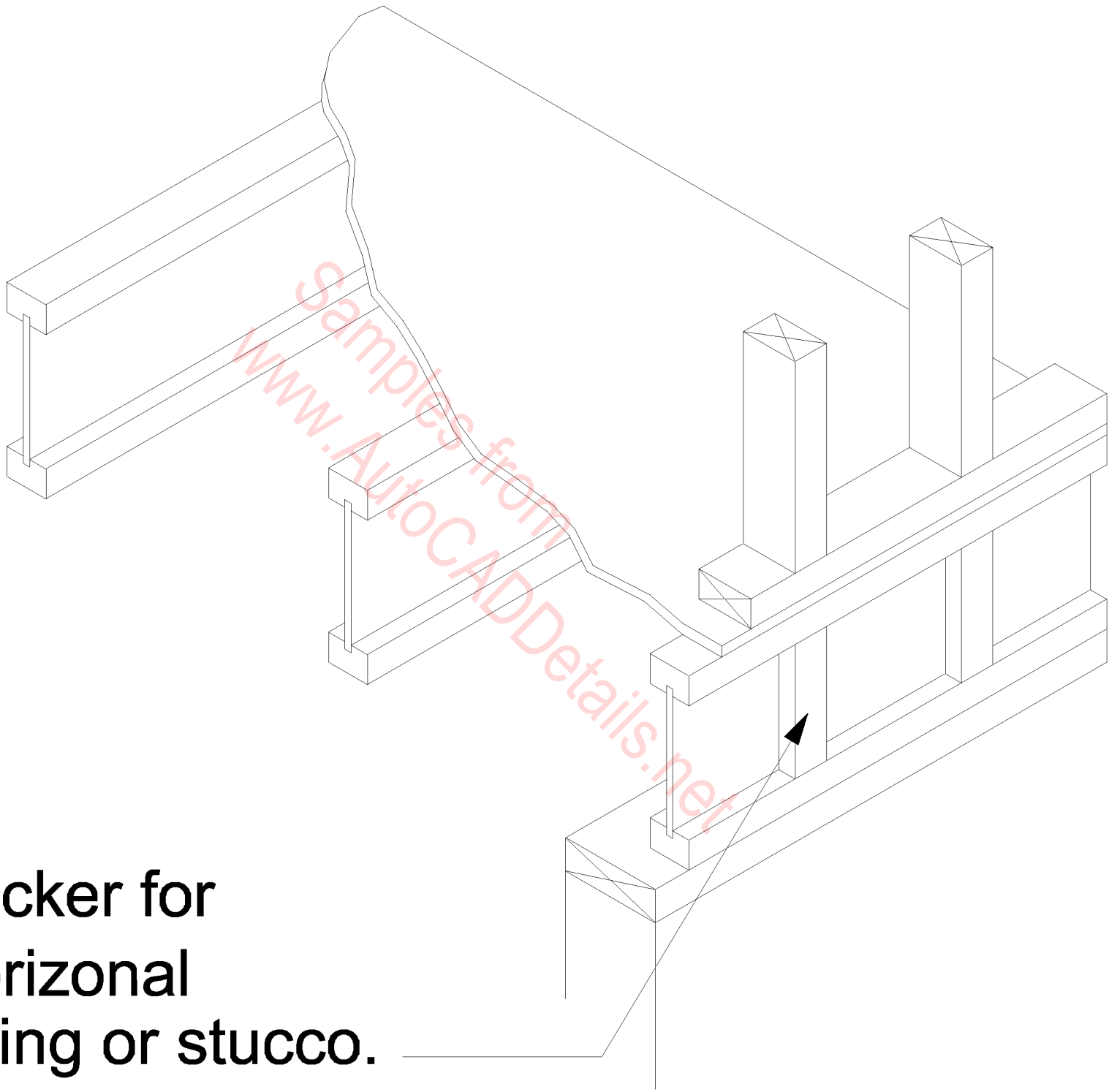
BCI joist hanger.

Backer block.
Nail with 10-
10d nails.



Filler block.
Nail with 10-
10d nails.

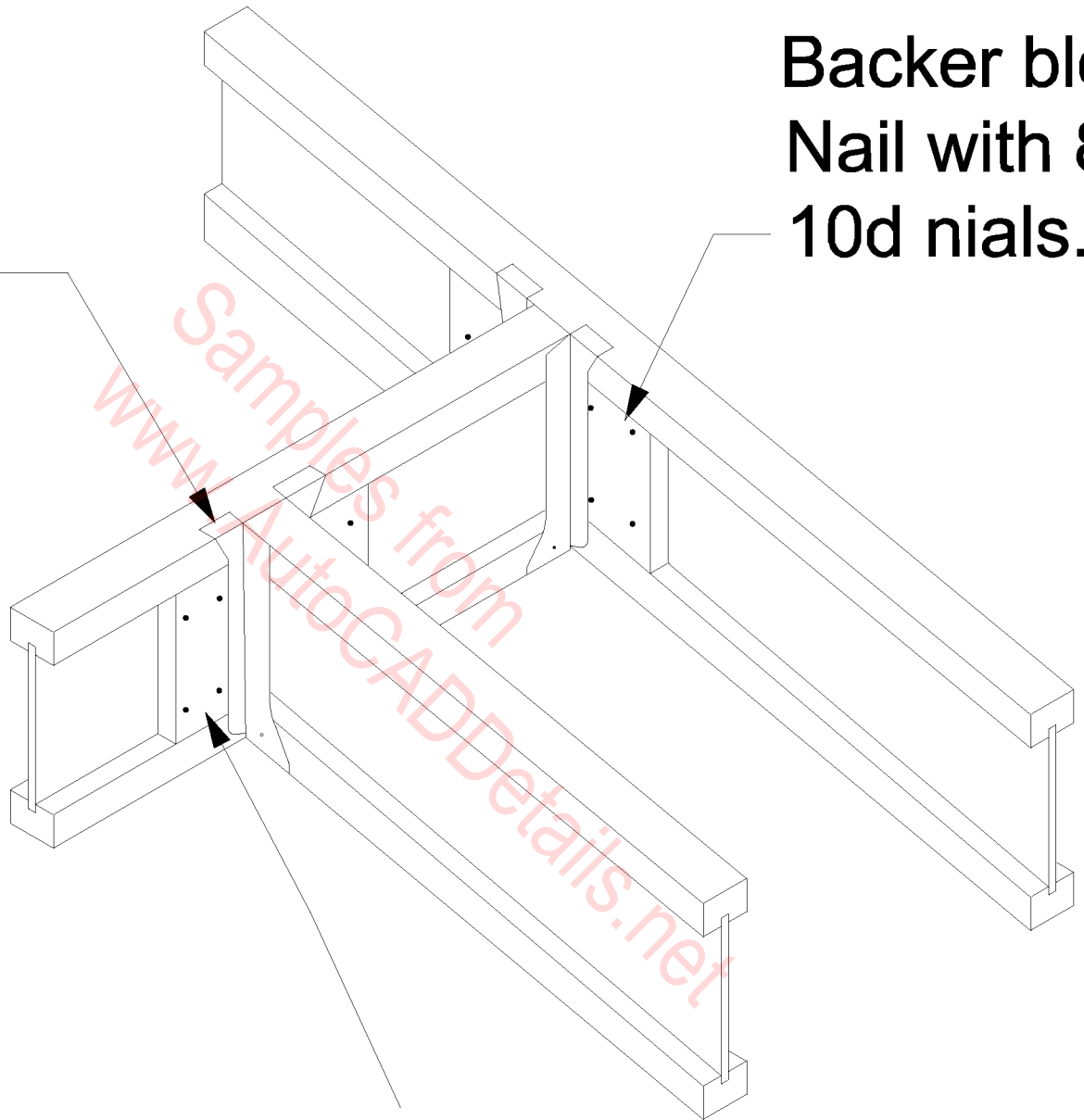
Backer block required where
hanger load exceeds 1000 lbs.



**Backer for
horizontal
siding or stucco.**

BCI joist hanger.

Backer block.
Nail with 8-
10d nials.



Requires backer block where
hanger load exceeds 1000 lbs.

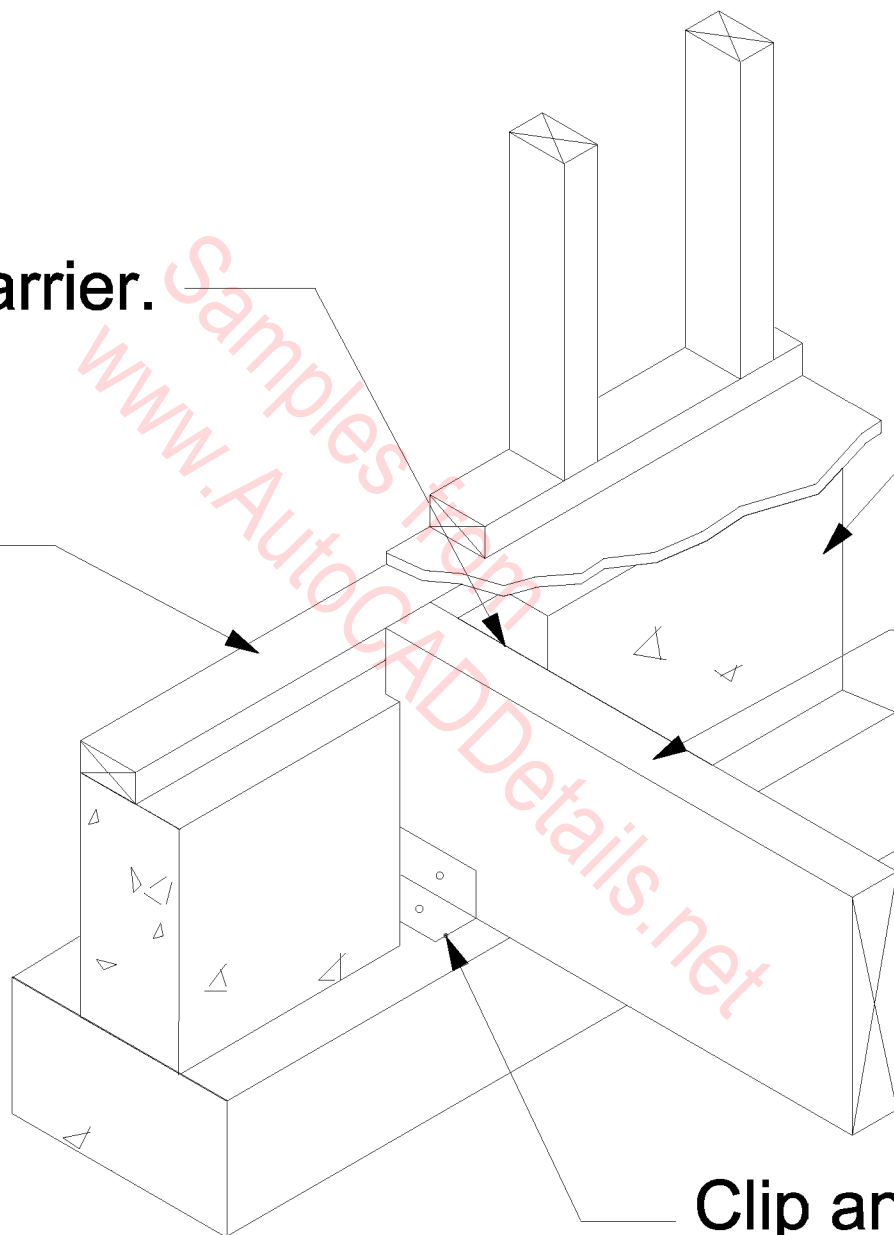
Moisture barrier.

Mud Sill

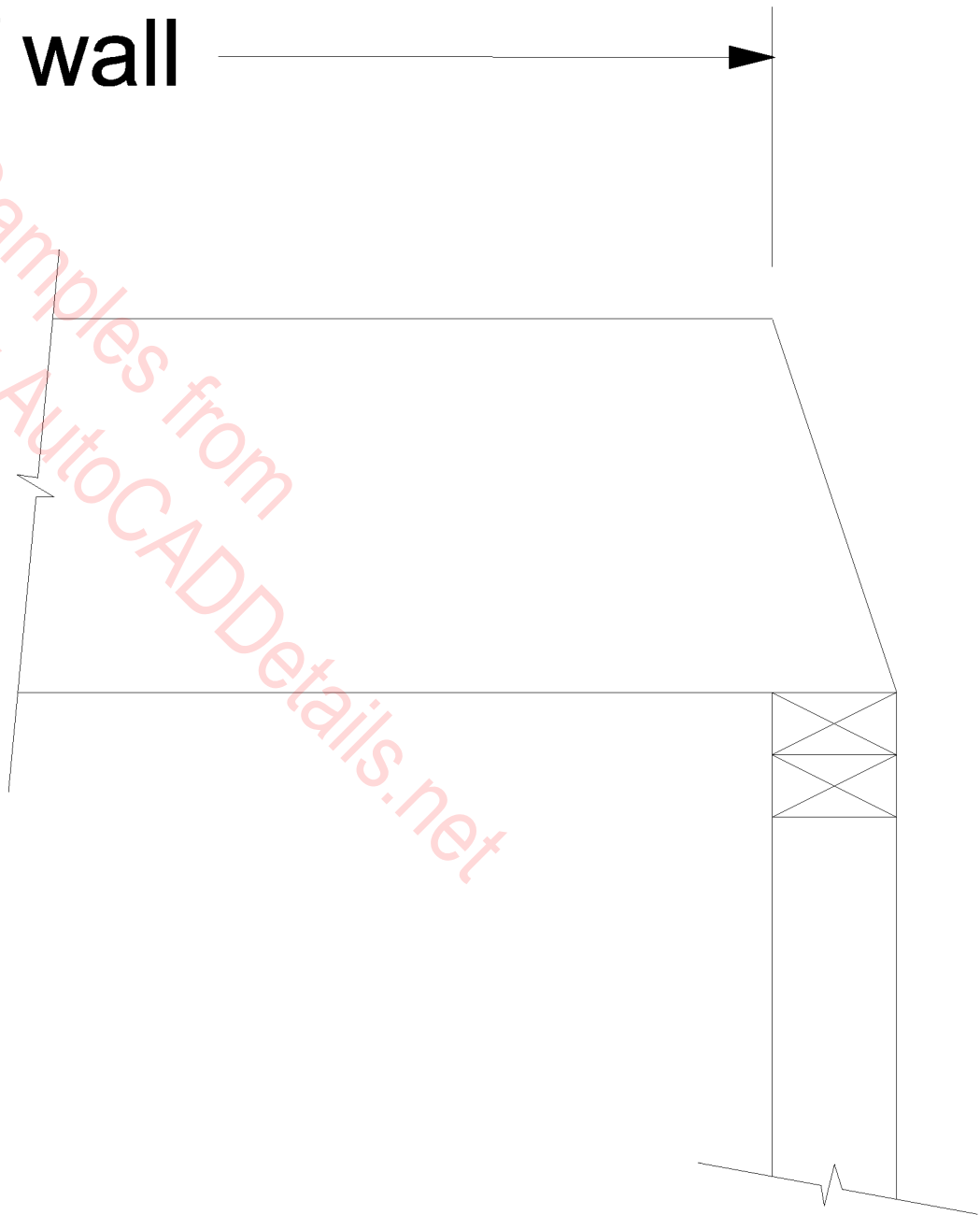
Stem Wall

Beam As Required

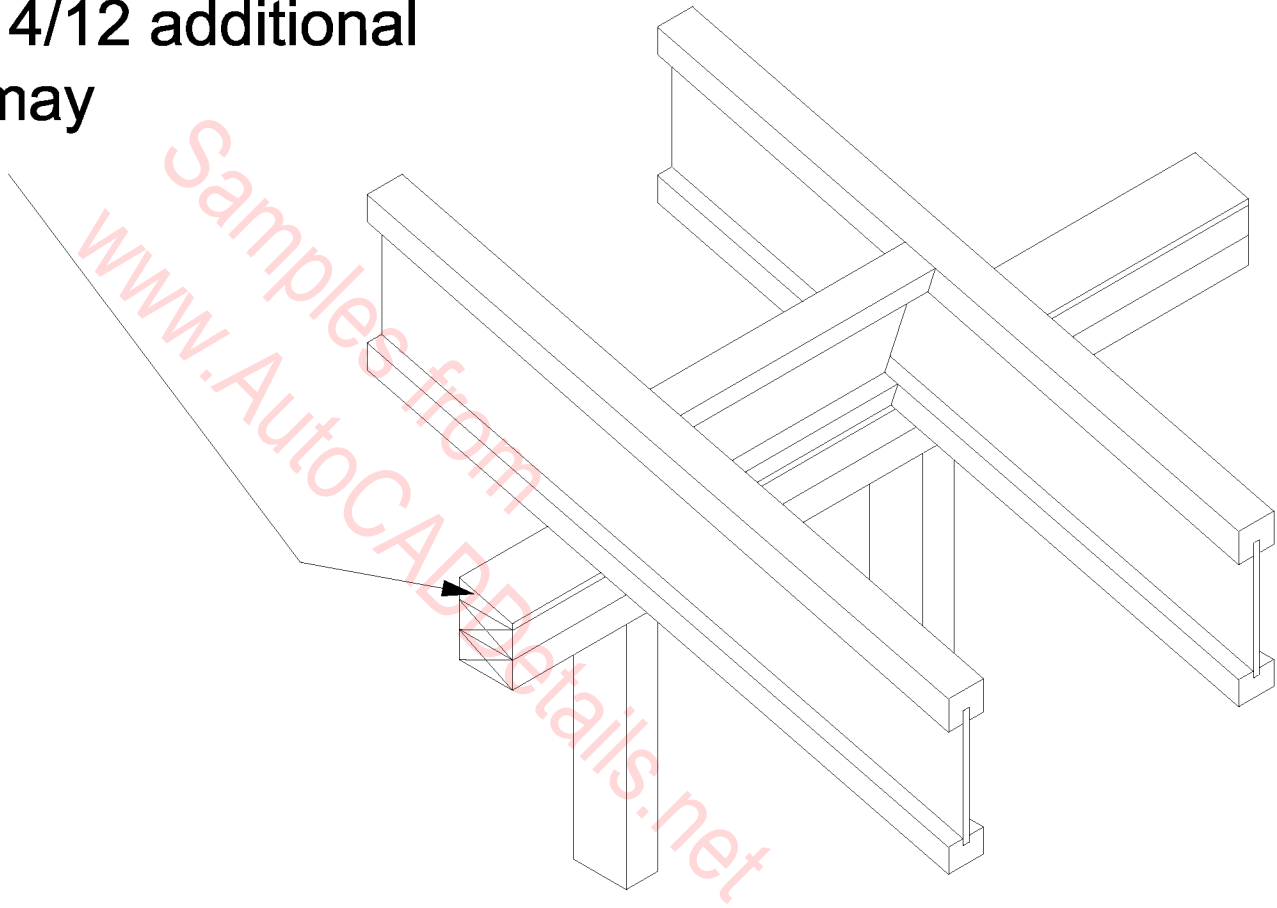
Clip angle.



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

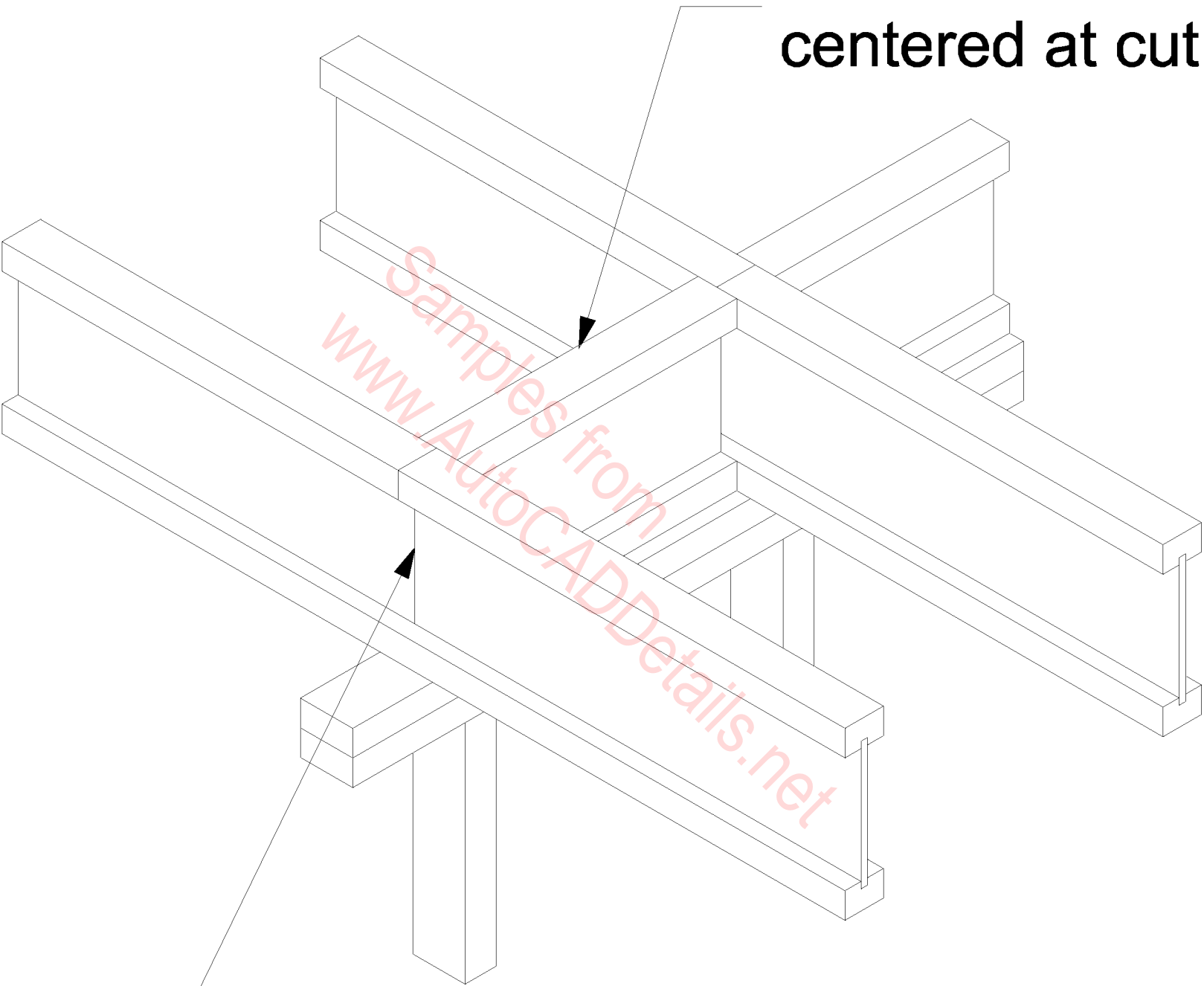


2x-beveled plate for slope greater than 1/4 -1/12. For slope greater than 4/12 additional connectors may be required.



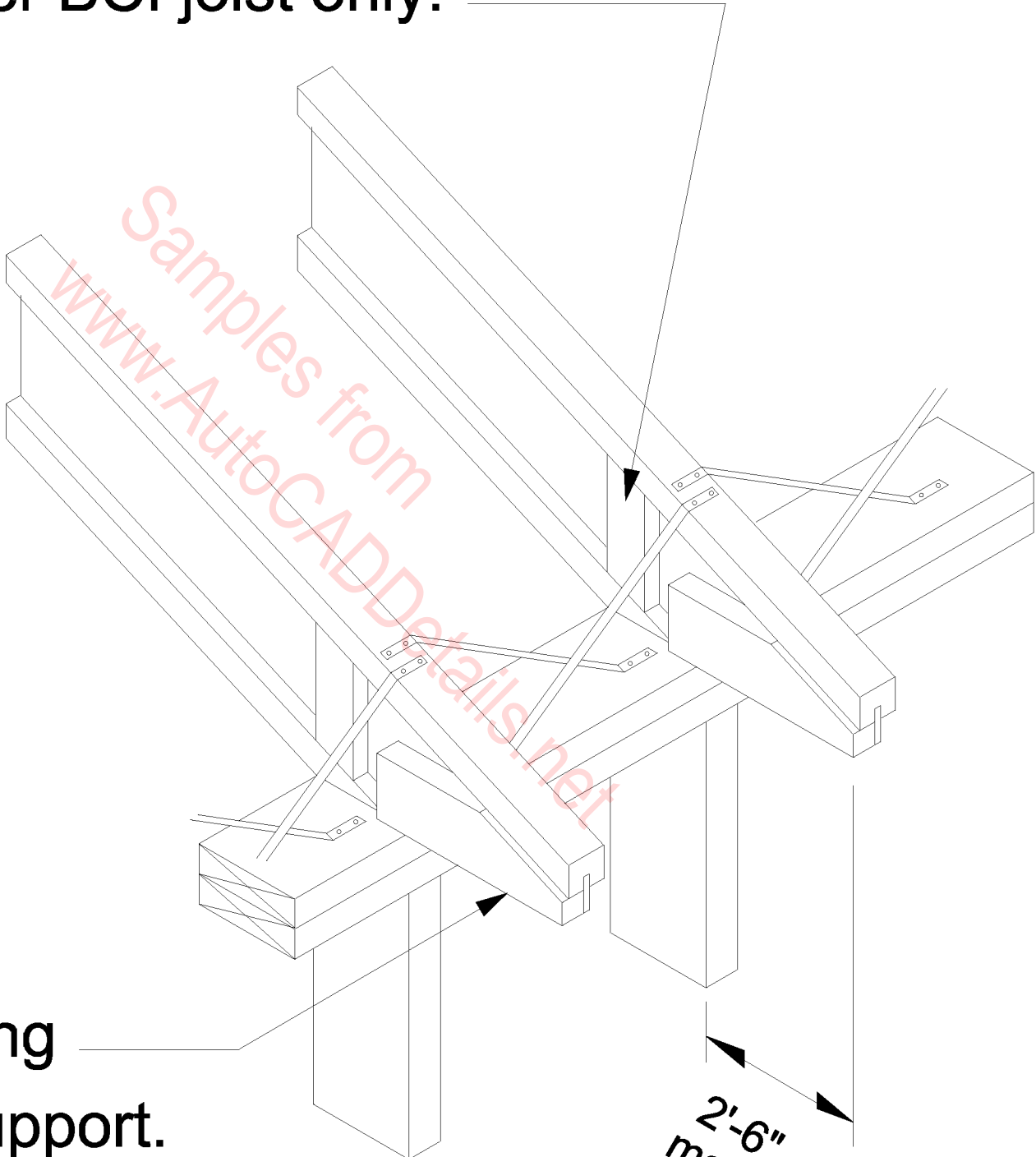
Simpson VPI connector or equal can be used in lieu of beveled plate for slopes from 1/12 to 6/12.

**BCI blocking
centered at cut.**



**and web after installation.
Field cut BCI top flange.**

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



2x4 blocking
for soffit support.

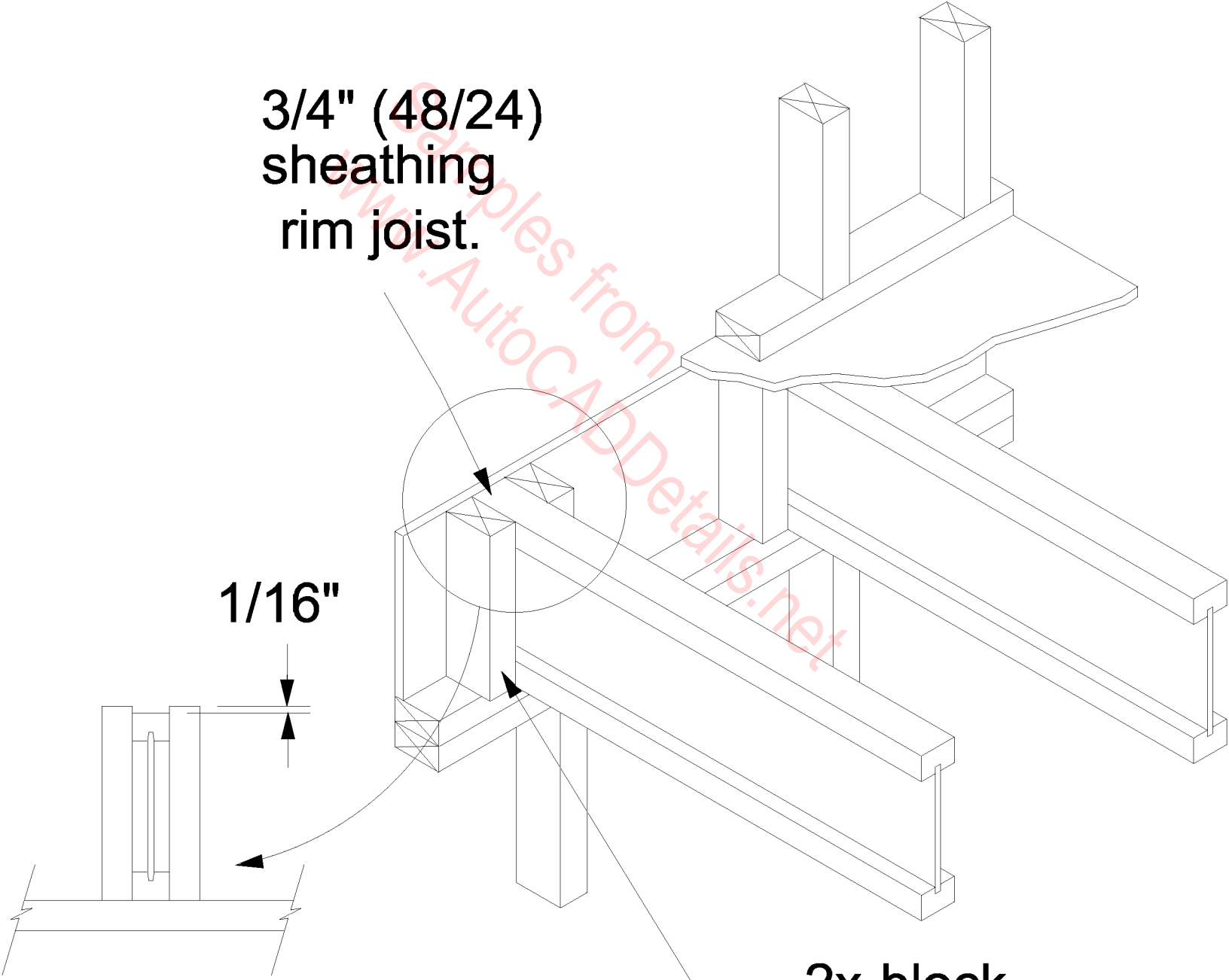
2'-6"
max.

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

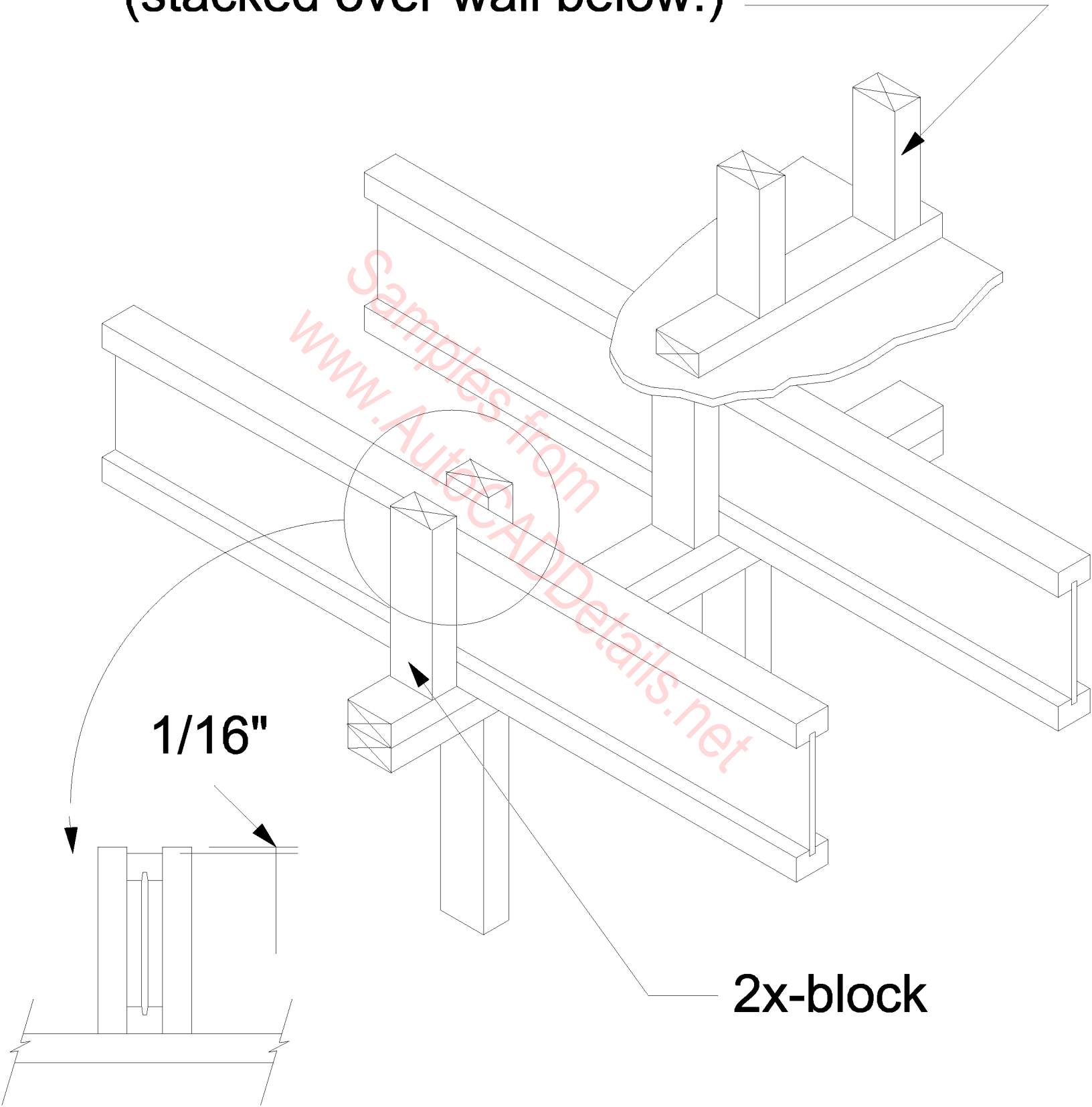
**3/4" (48/24)
sheathing
rim joist.**

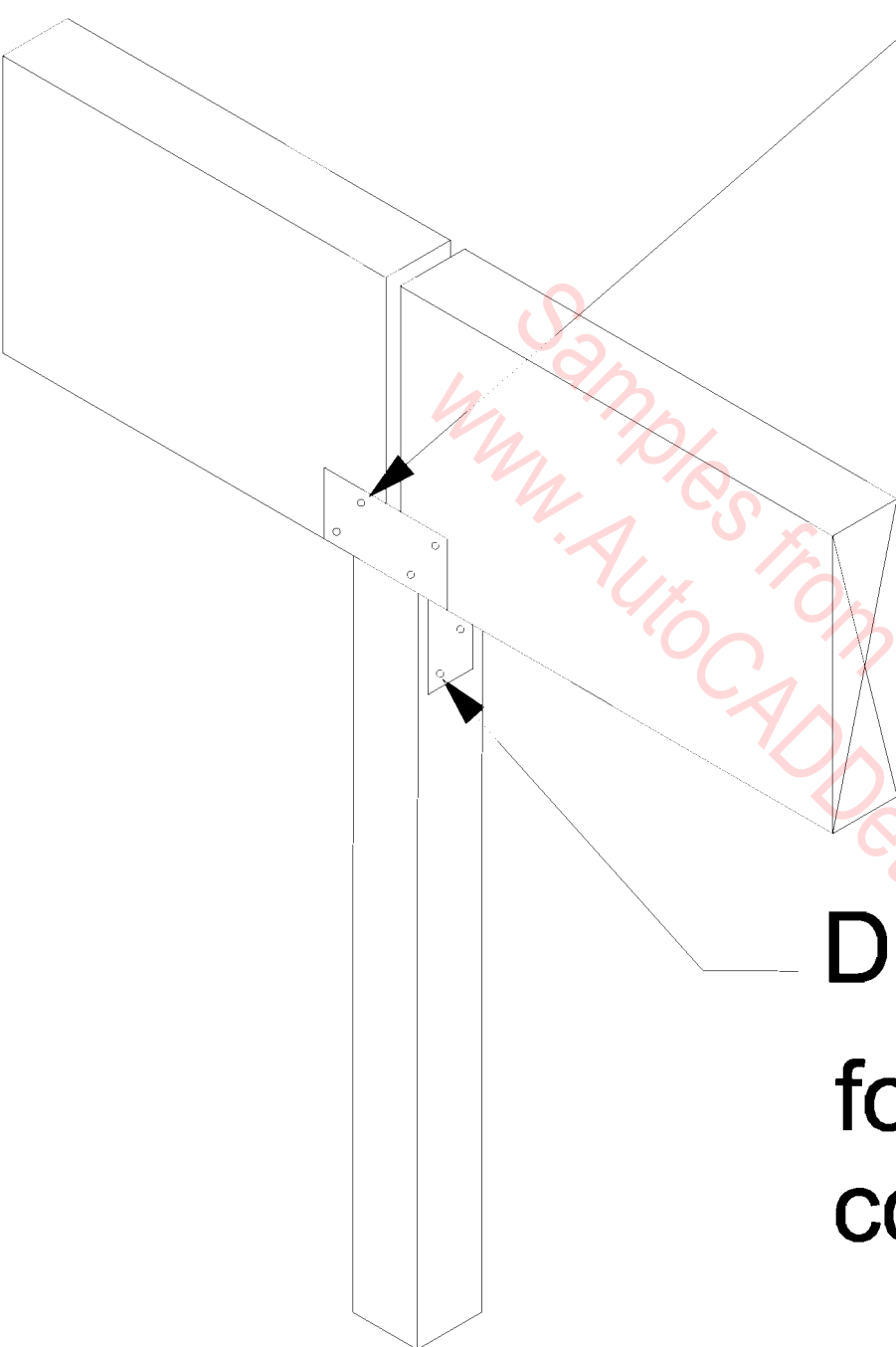
1/16"

2x-block



Load bearing wall above (stacked over wall below.)

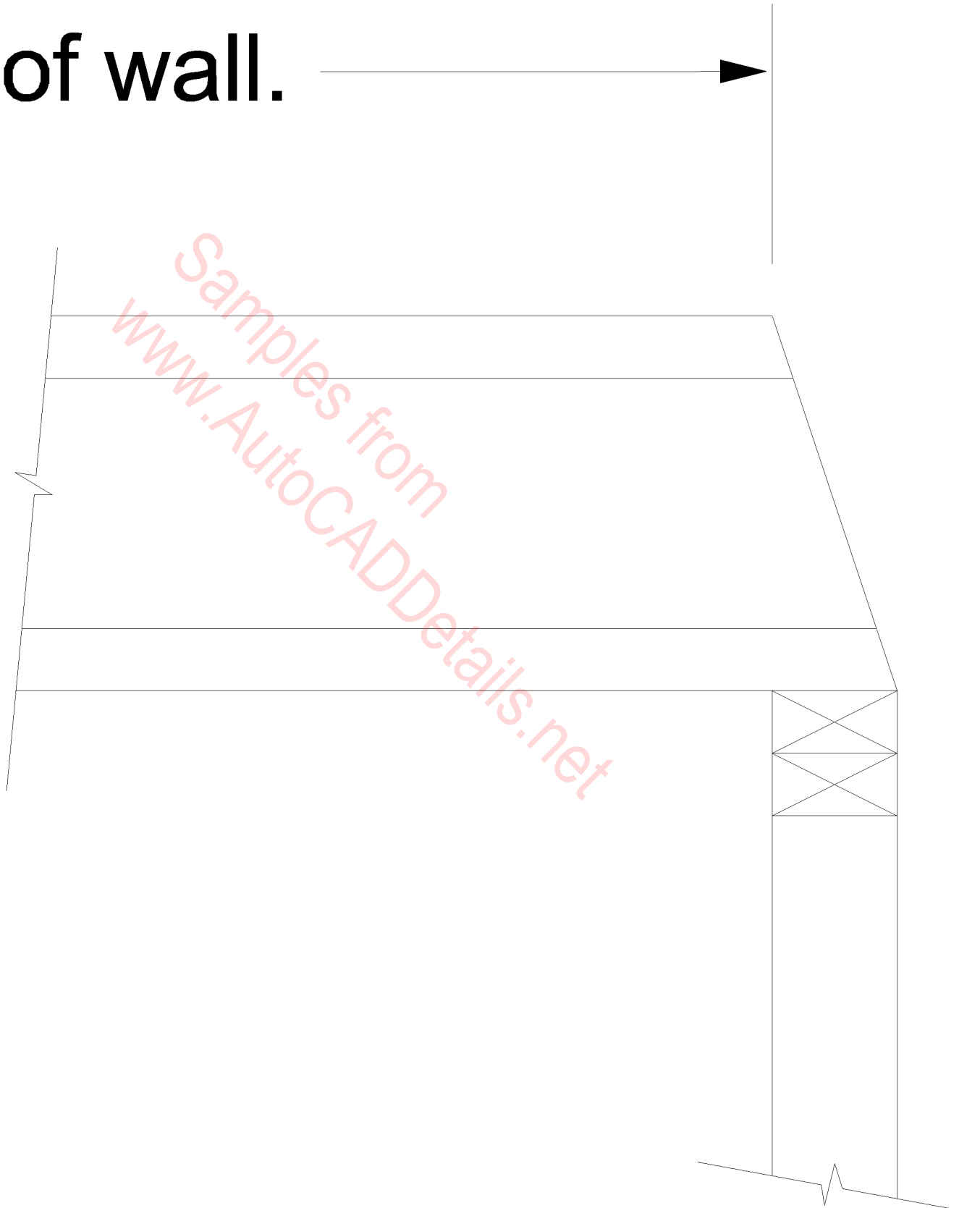




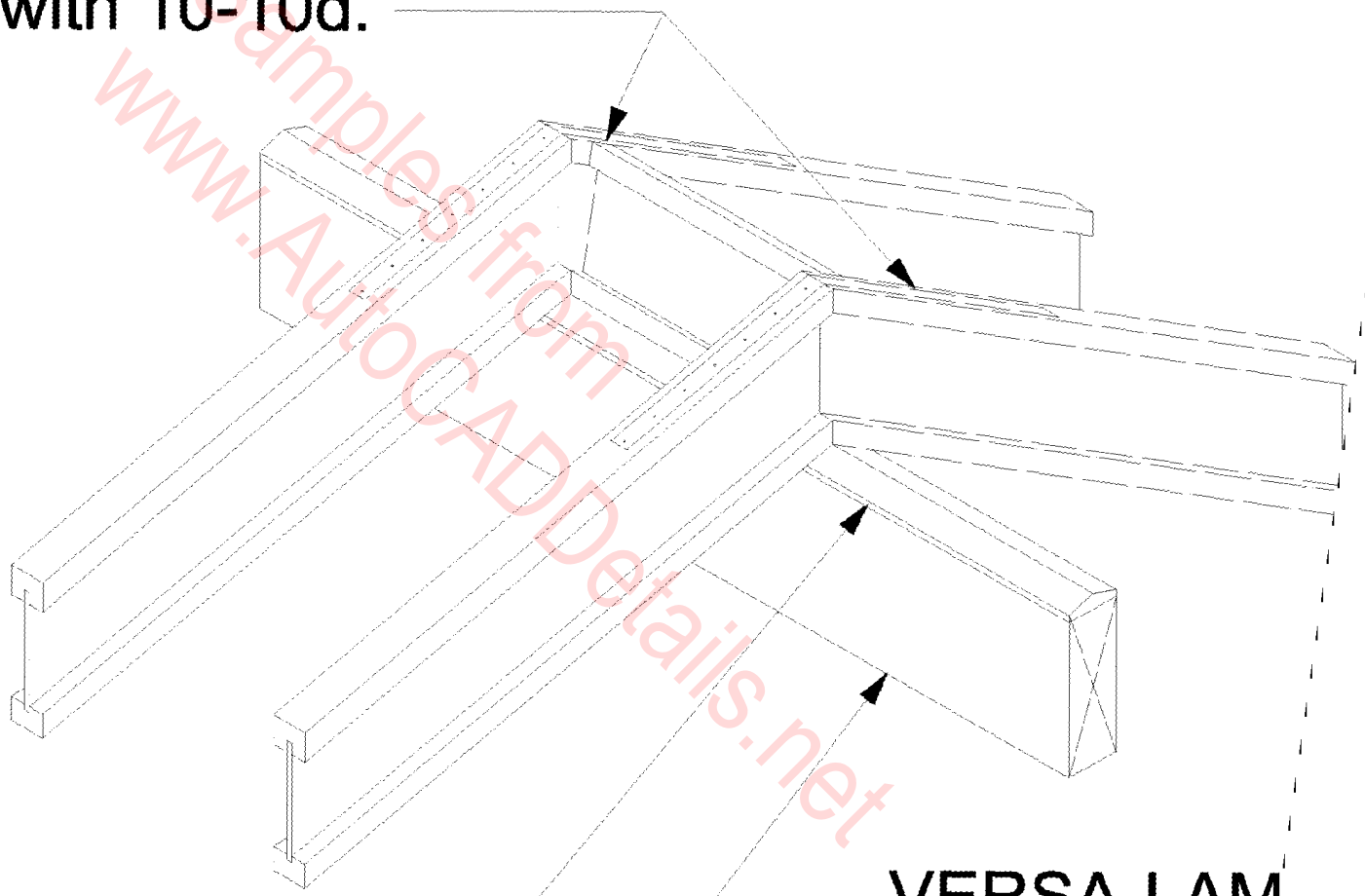
Use same bolt values as Douglas Fir-Larch.

Drilling permitted for standard connections.

Do not bevel cut
joist beyond inside
face of wall.



Simpson MSTI 36
with 10-10d.



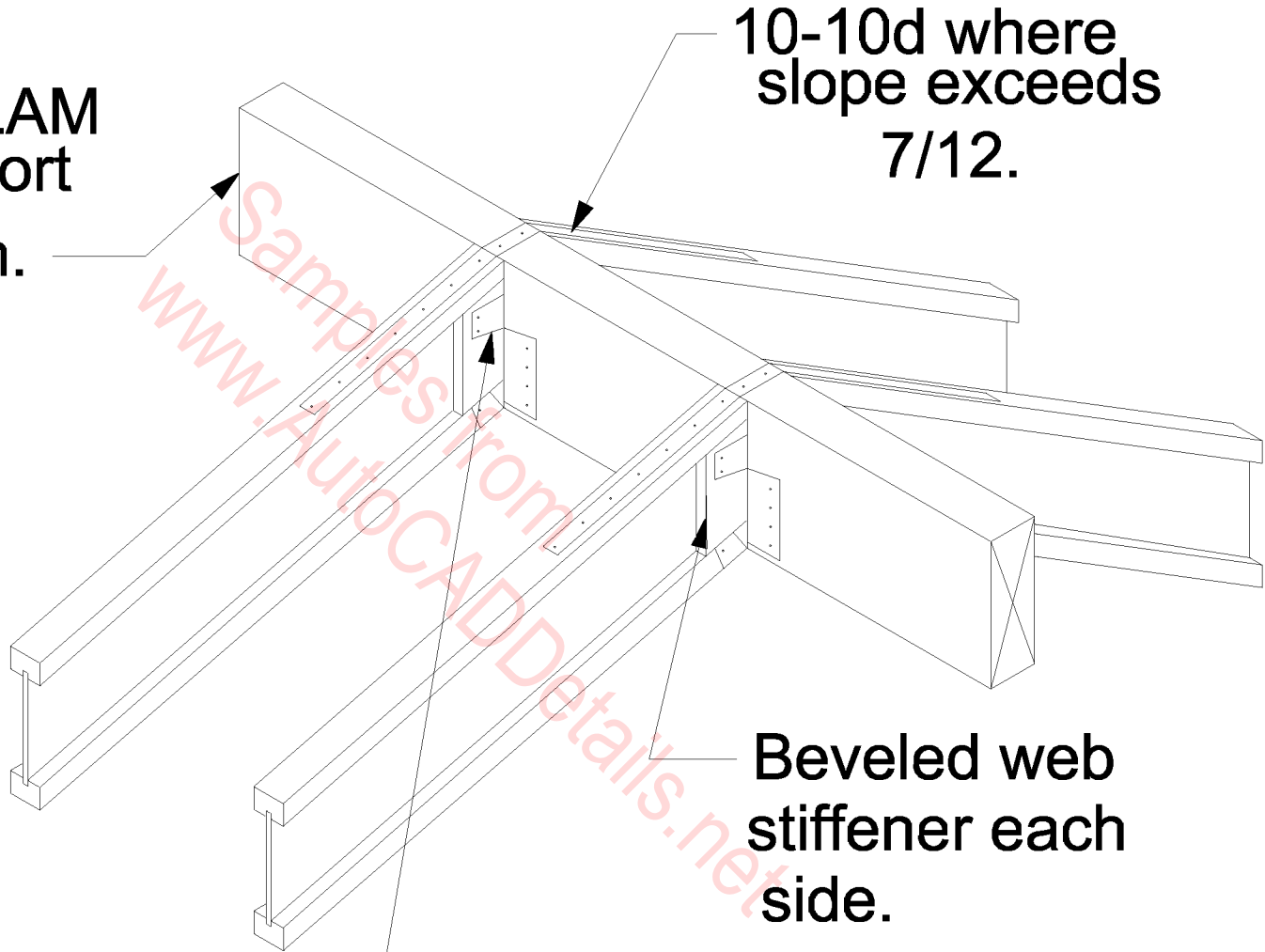
Double beveled
wood plate.

VERSA-LAM
LVL support
beam.

VERSA-LAM
LVL support
beam.

Requires Simpson
MSTI 36 strap with

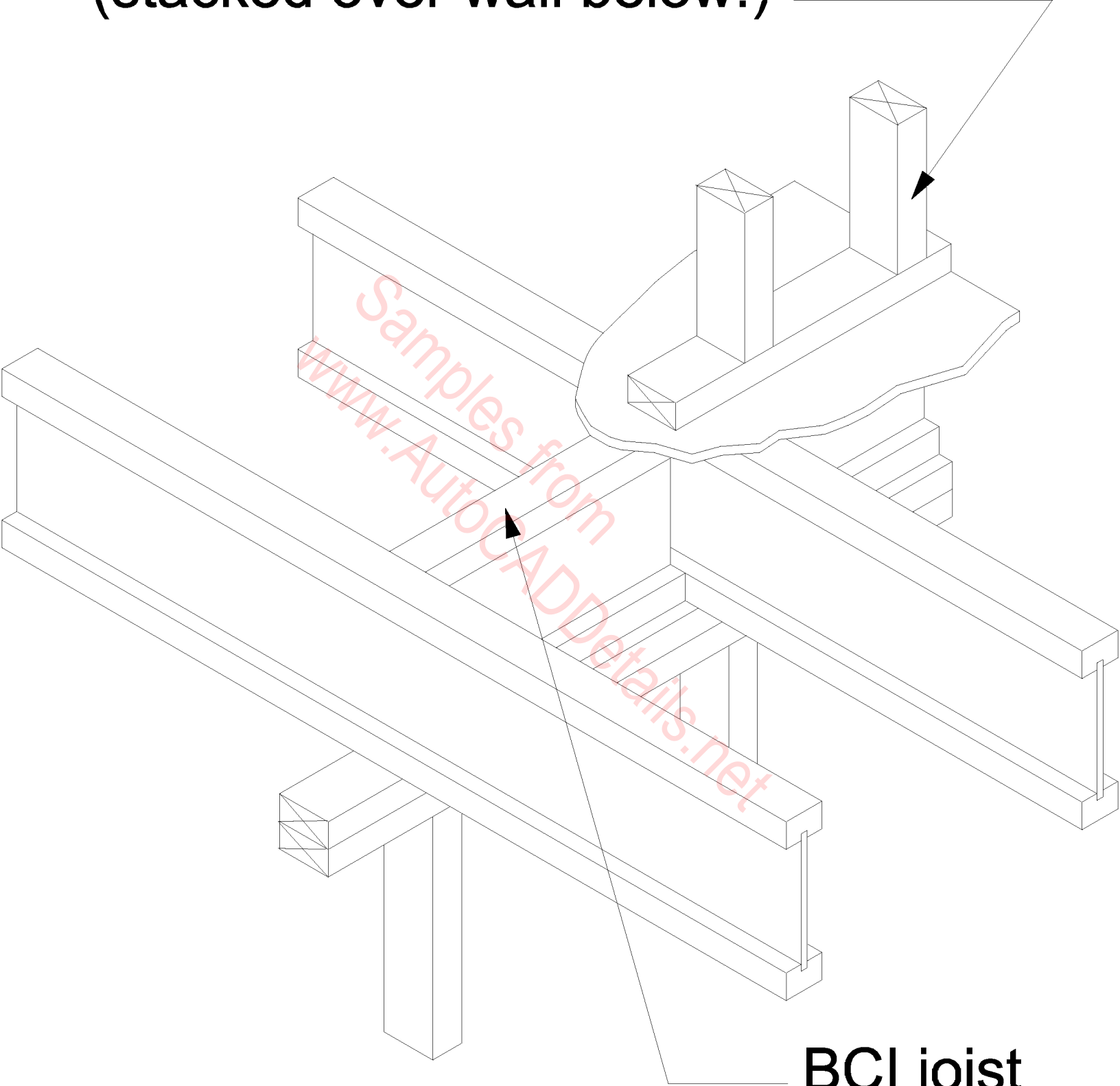
10-10d where
slope exceeds
7/12.



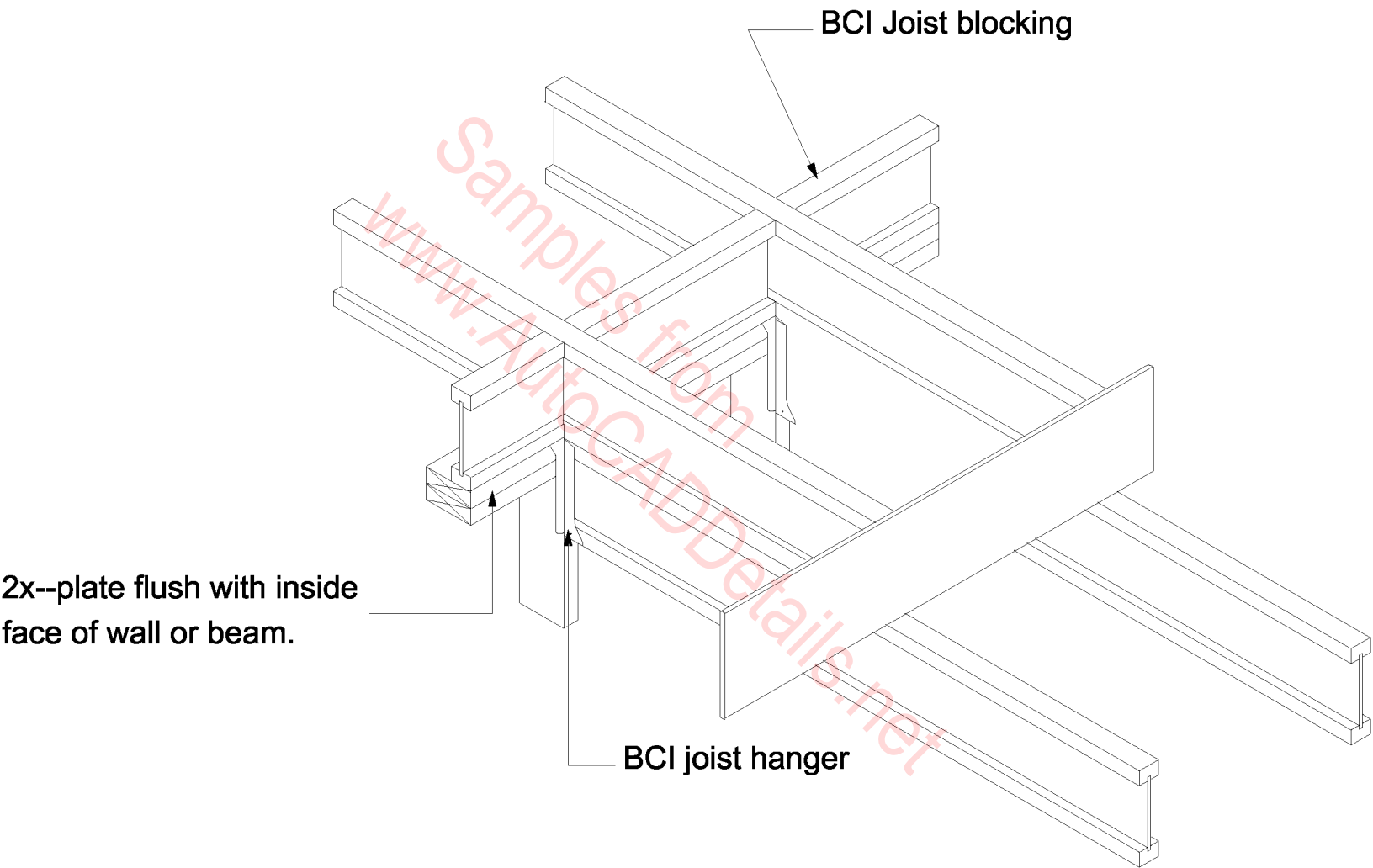
Beveled web
stiffener each
side.

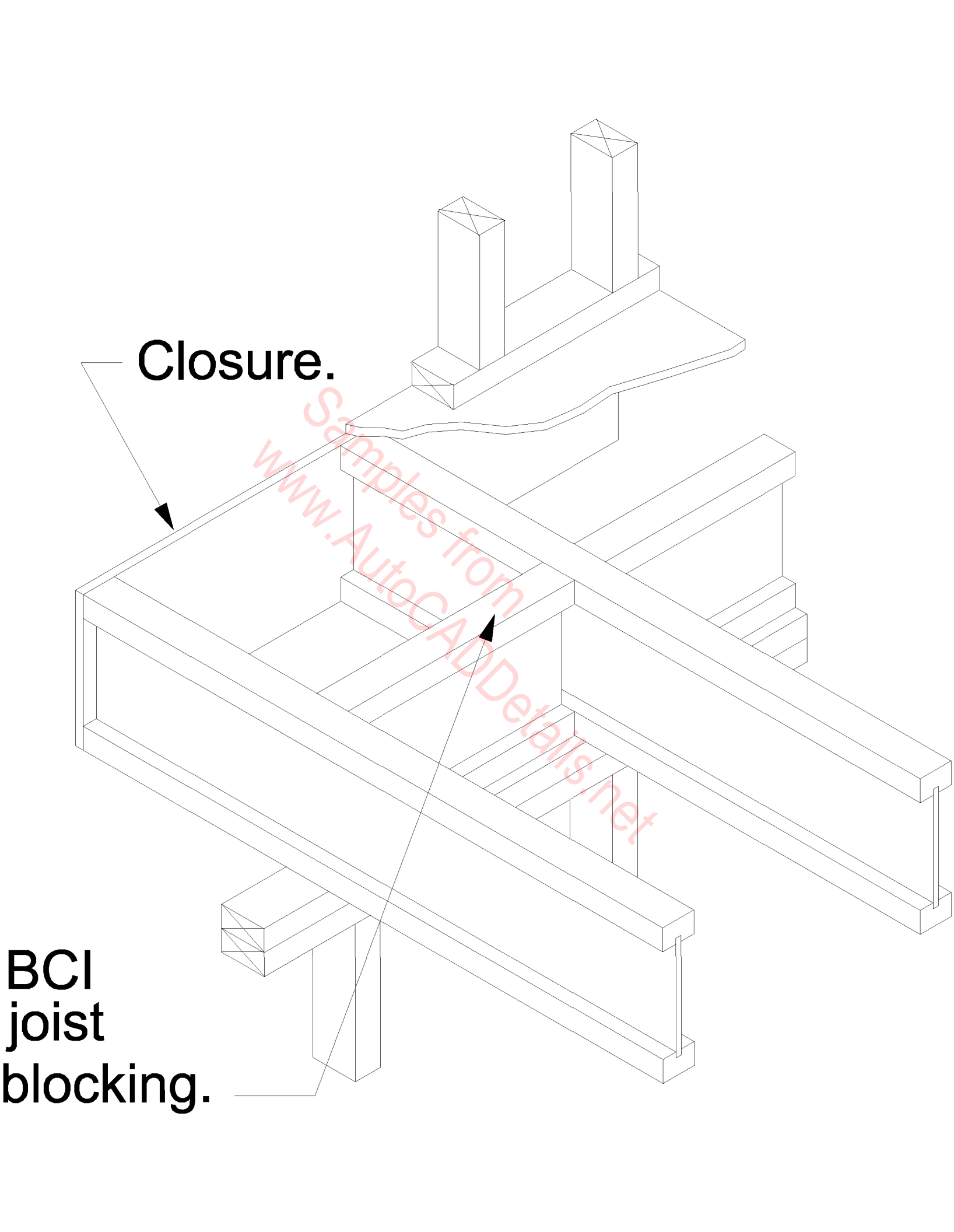
Simpson LSUI
hanger or
equal.

Load bearing wall above
(stacked over wall below.)



BCI joist
blocking.





Closure.

**BCI
joist
blocking.**

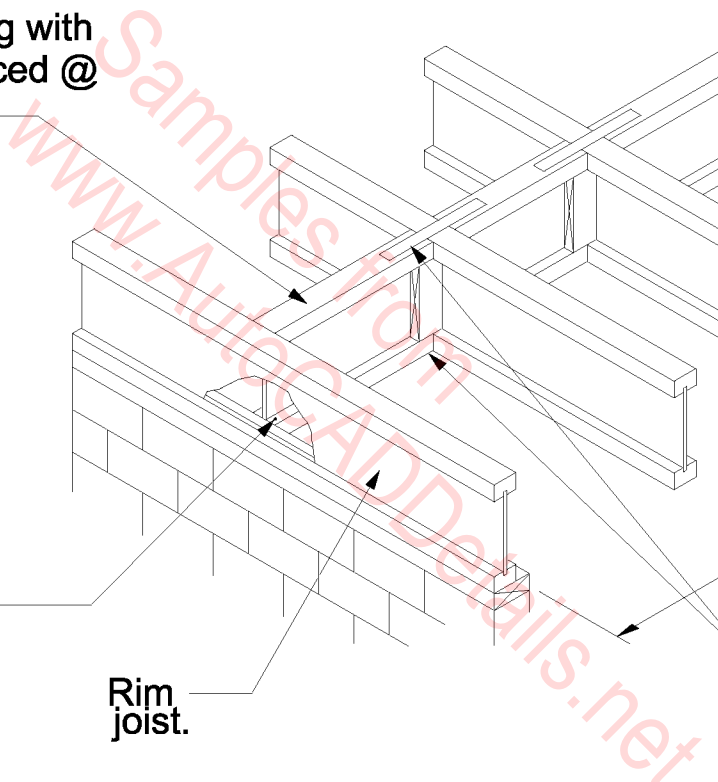
BCI joist blocking with
end blocks. spaced @
32" o.c.

Nail BCI joist blocking
to wall plate using
4-10d nails.

Rim
joist.

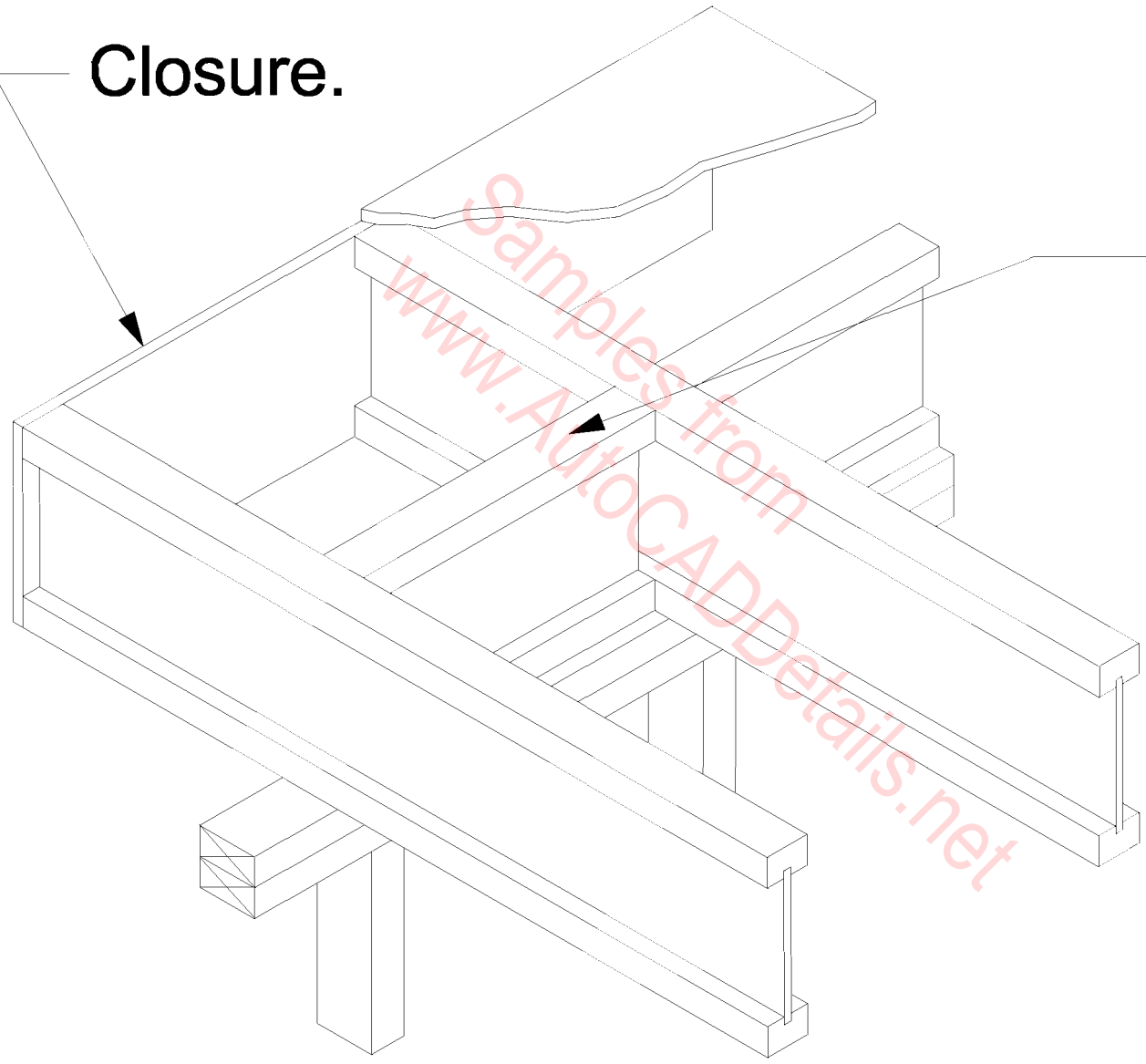
3'-0" min.

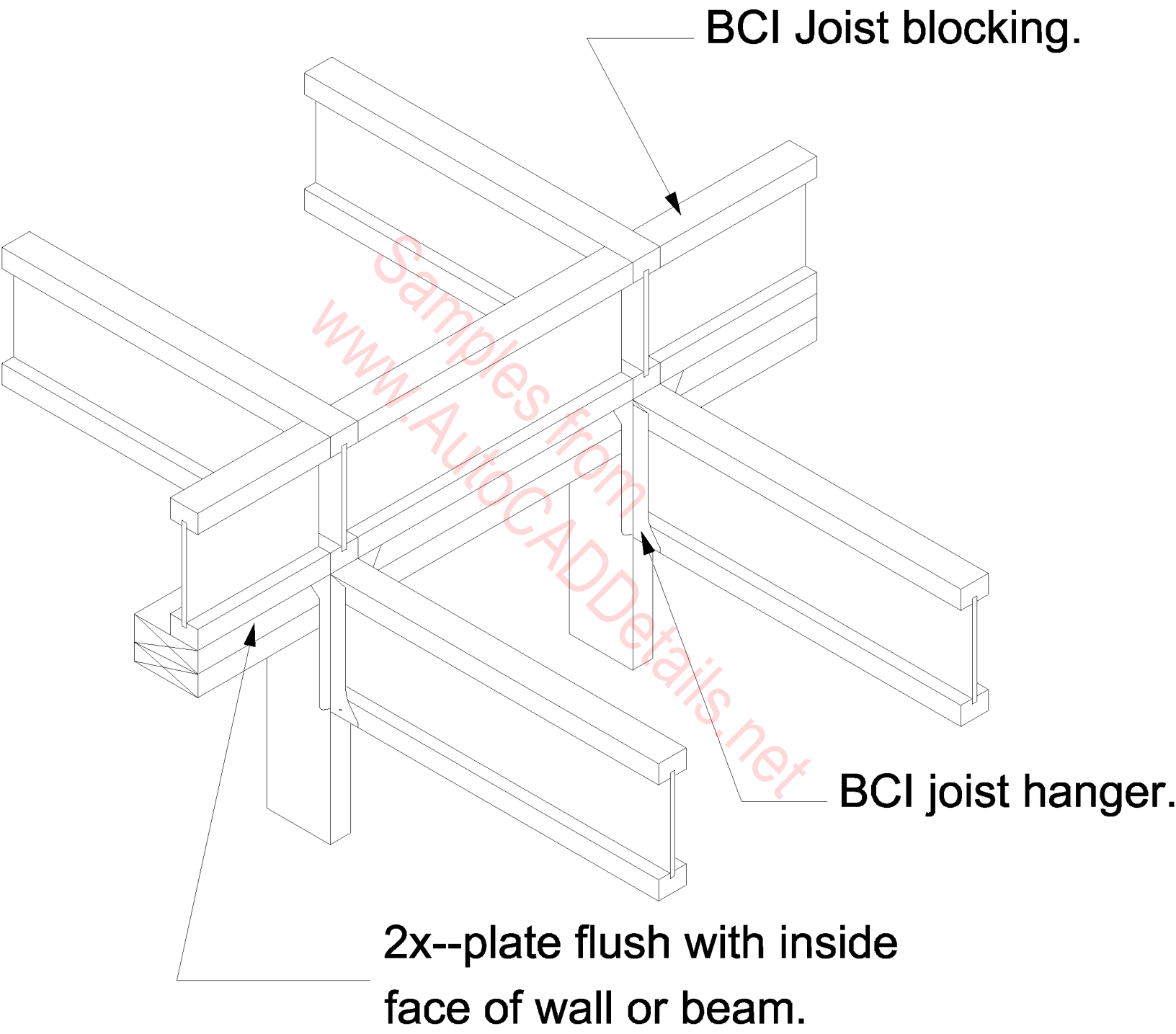
Simpson strap tie
FHA12 or continuous
sheathing top and
bottom.



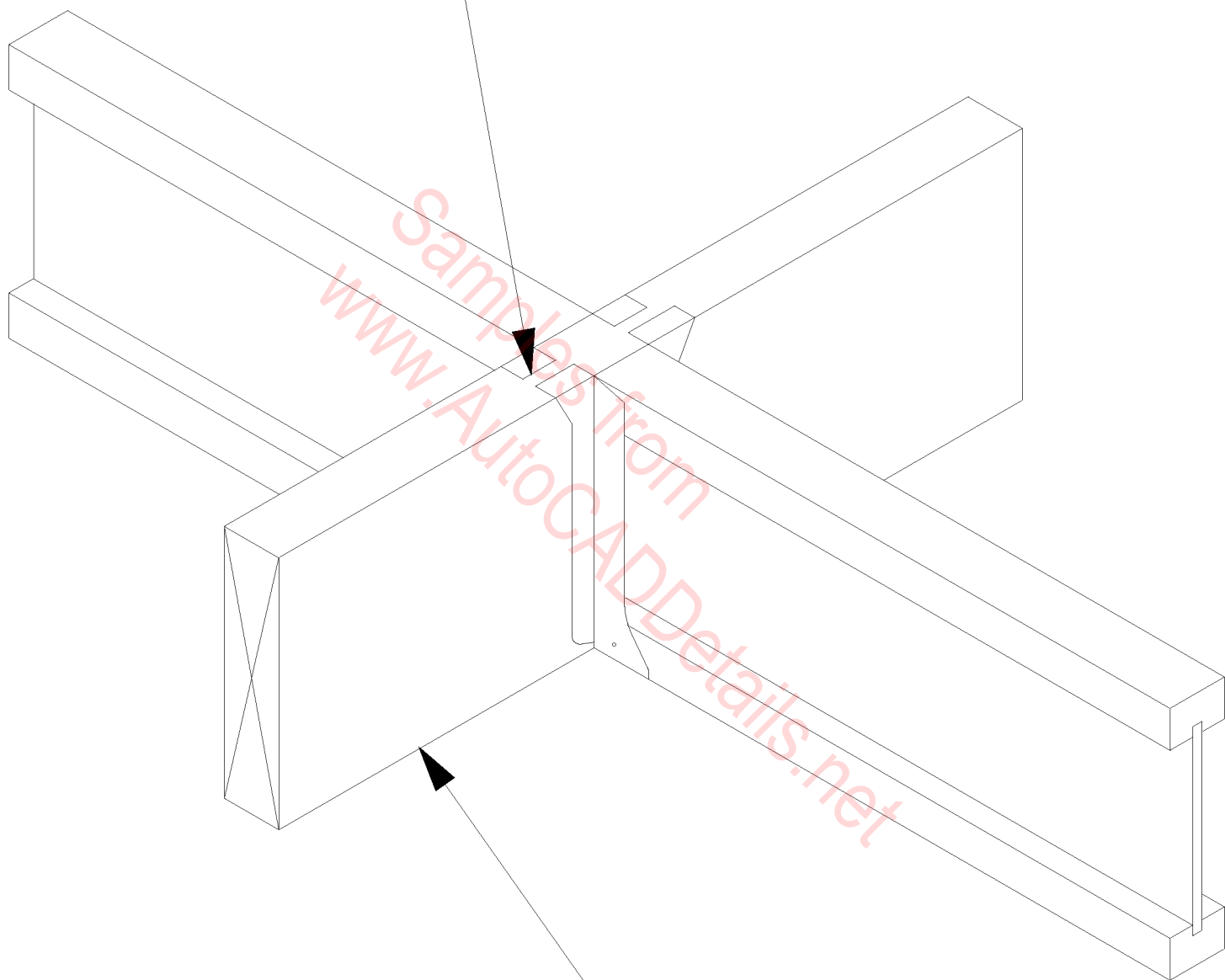
Closure.

**BCI
joist
blocking.**



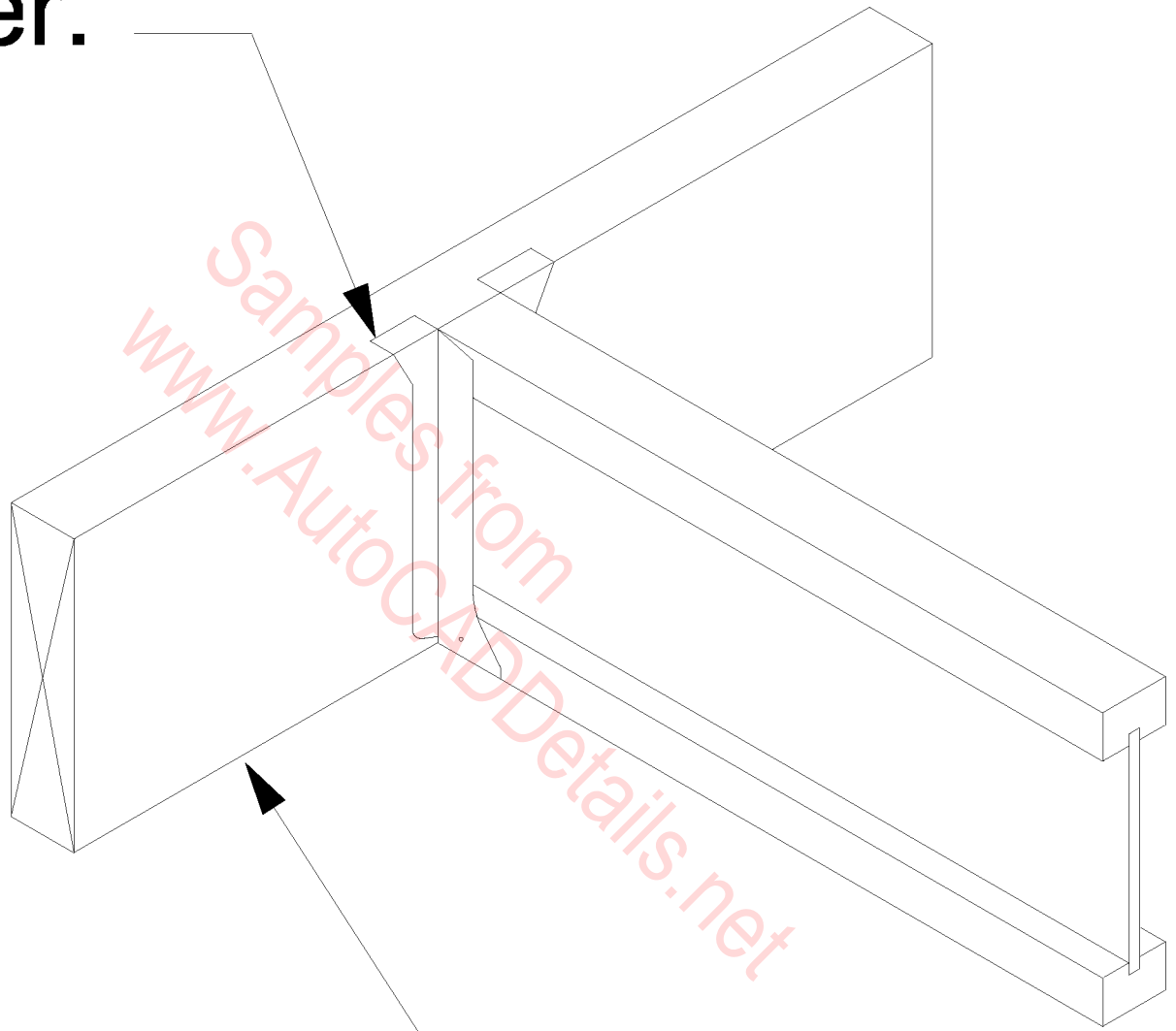


**BCI joist
hanger.**



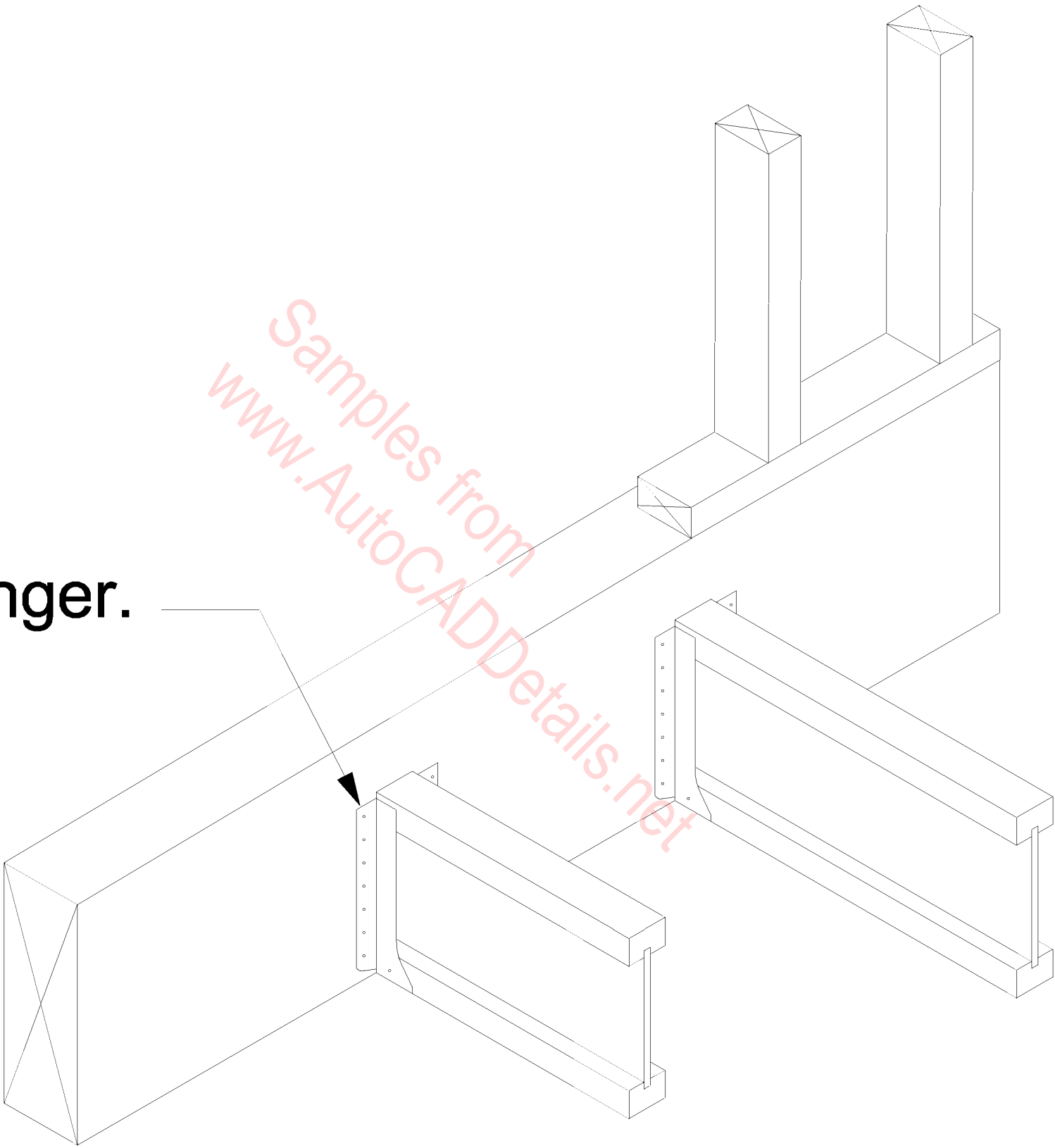
**VERSA-LAM
LVL beam.**

**BCI joist
hanger.**

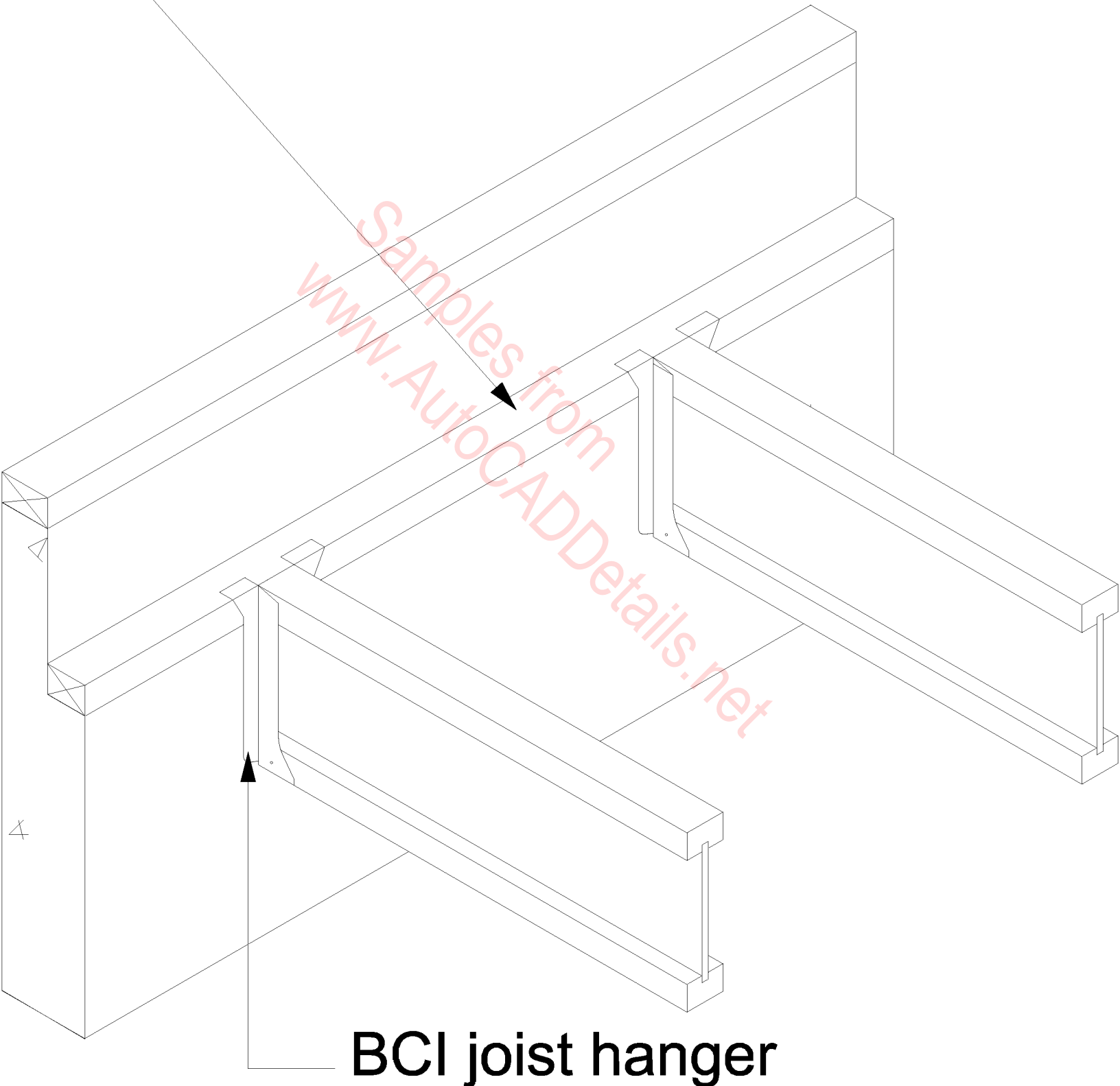


**VERSA-LAM
LVL beam.**

Hanger.

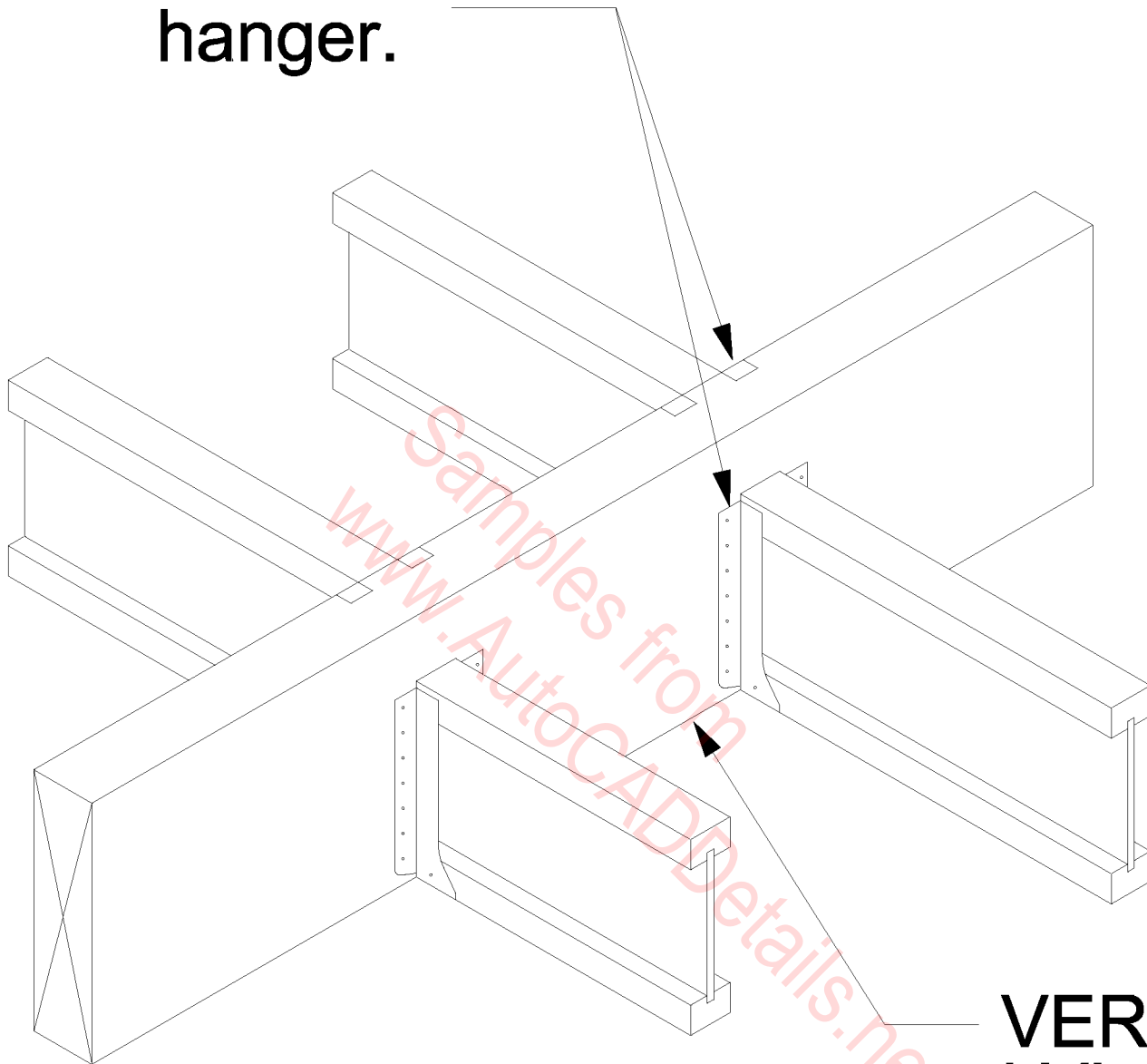


**2x--plate flush with inside
face of wall or beam.**



BCI joist hanger

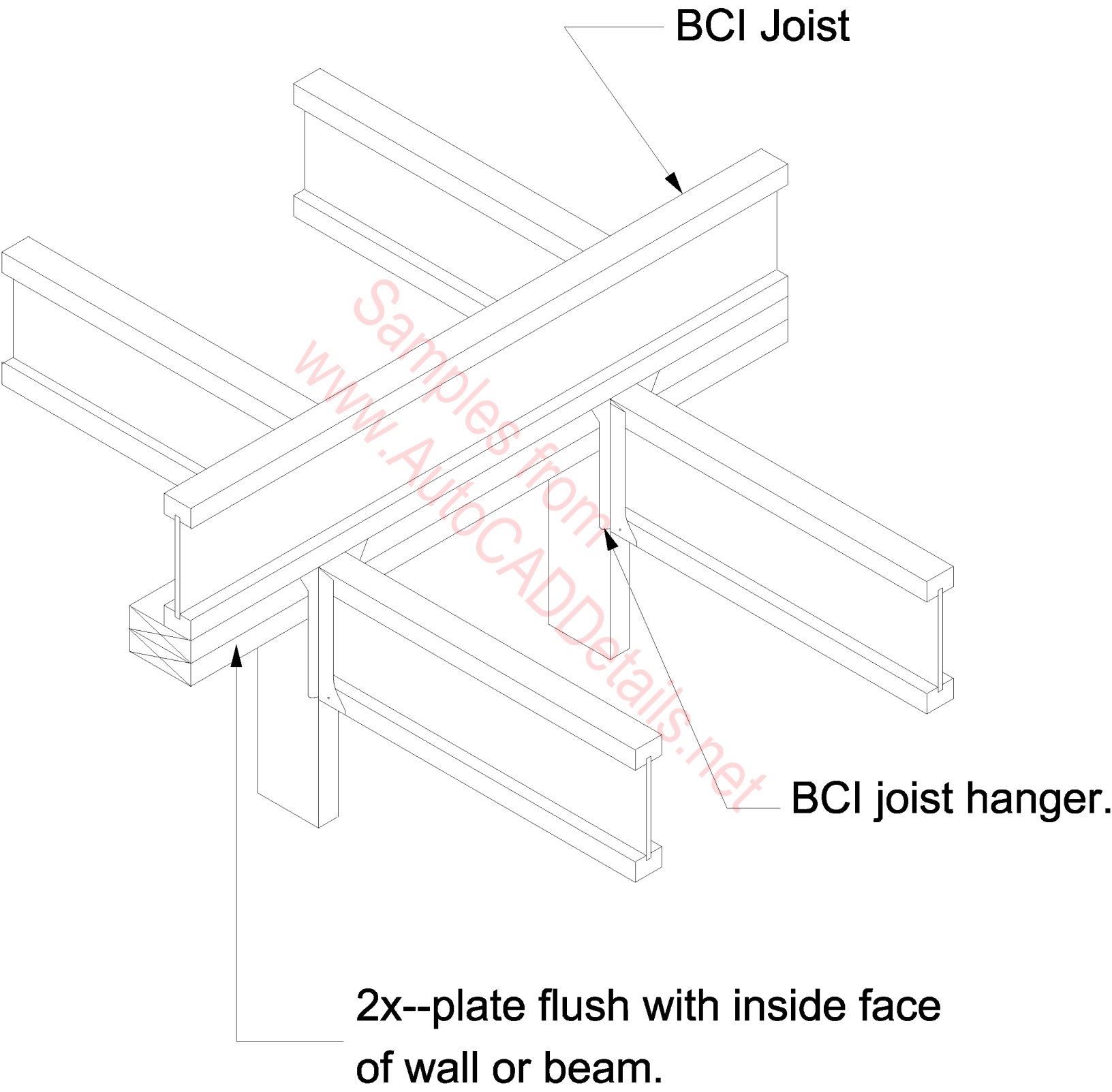
**BCI joist
hanger.**

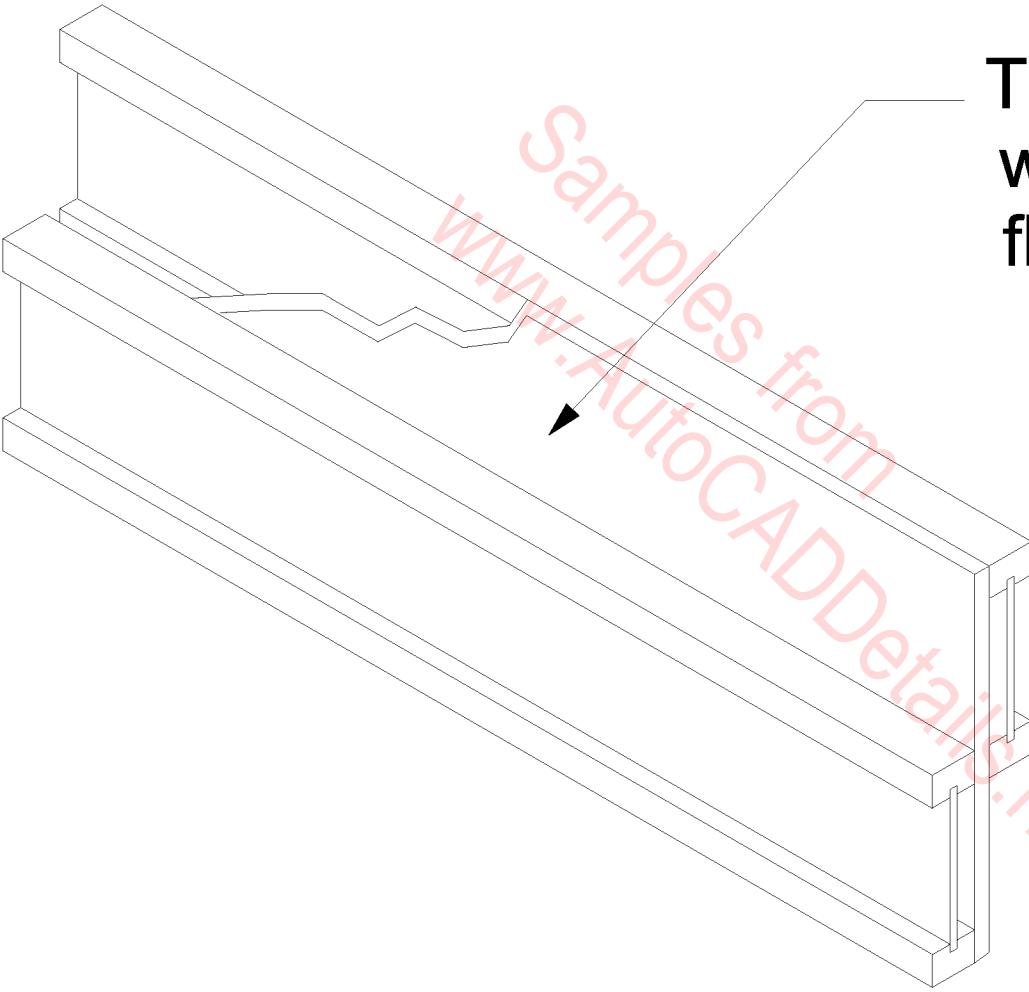


**VERSA-LAM
LVL beam.**

Note:

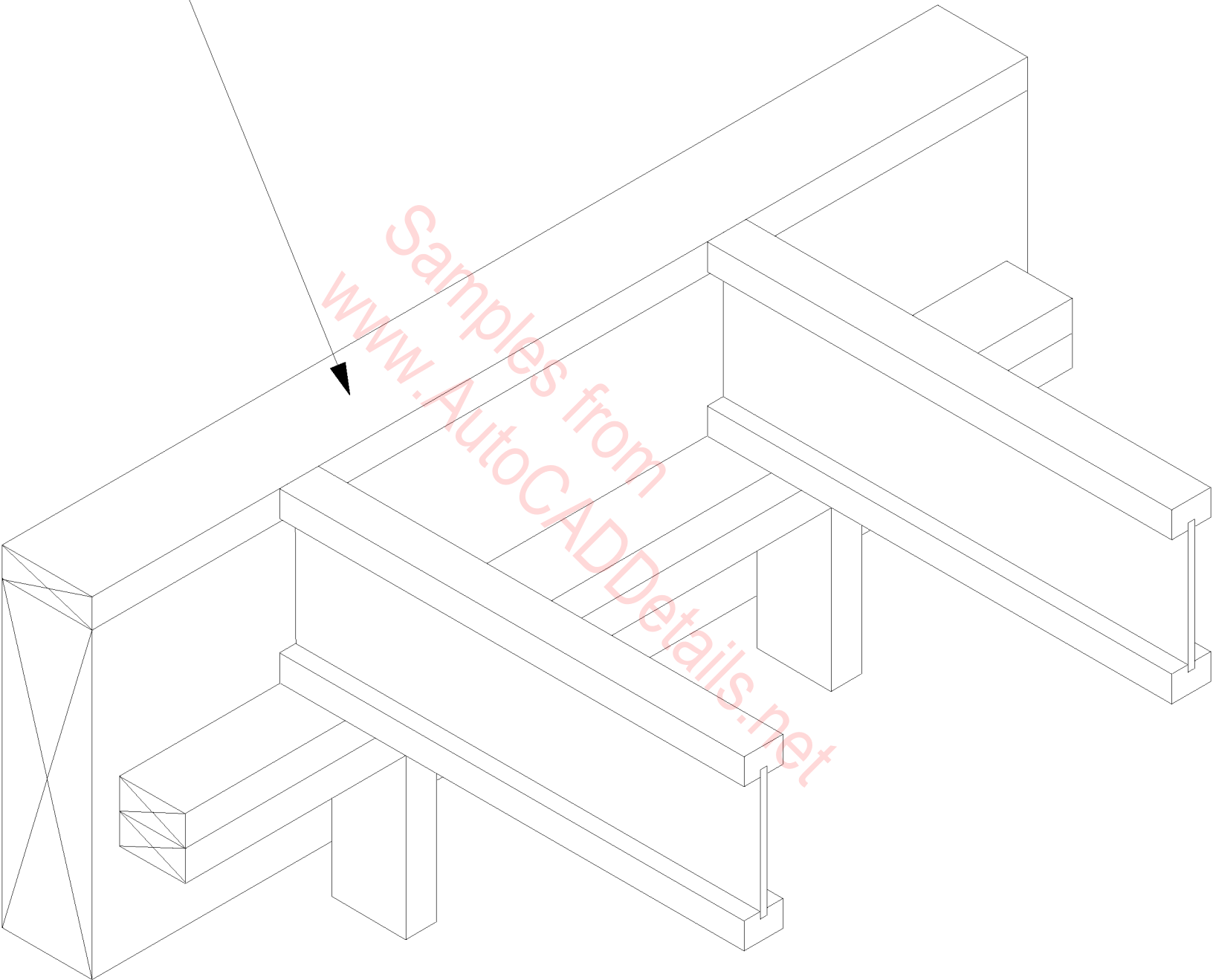
**Web stiffeners are required where
sides of the hanger do not extend
up to support the top flange laterally.**





Tie joists together with 3/4" plywood @ floor level change.

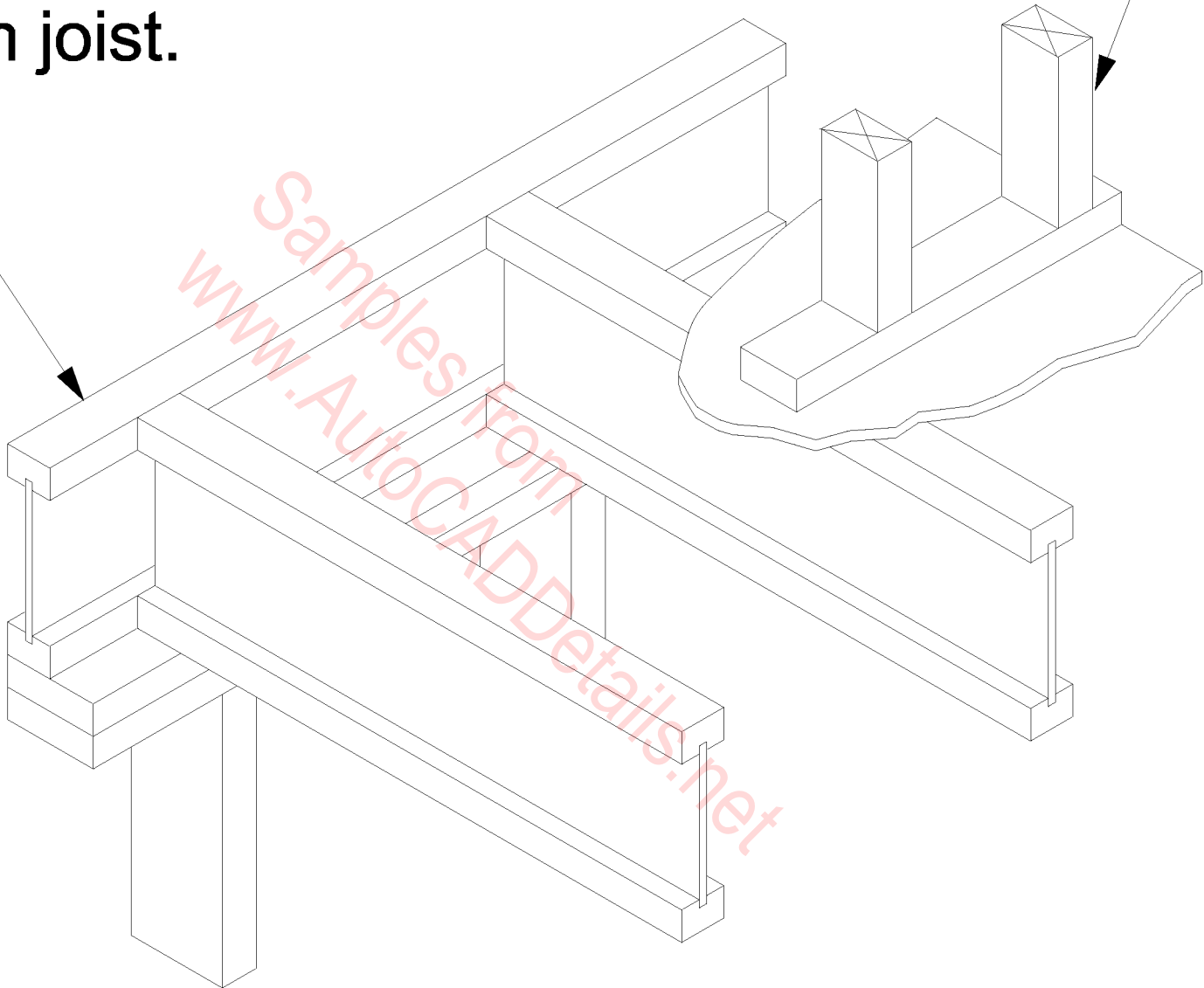
**2x--plate flush with inside
face of wall or beam.**



**Sheathing will provide lateral support
needed without blocking.**

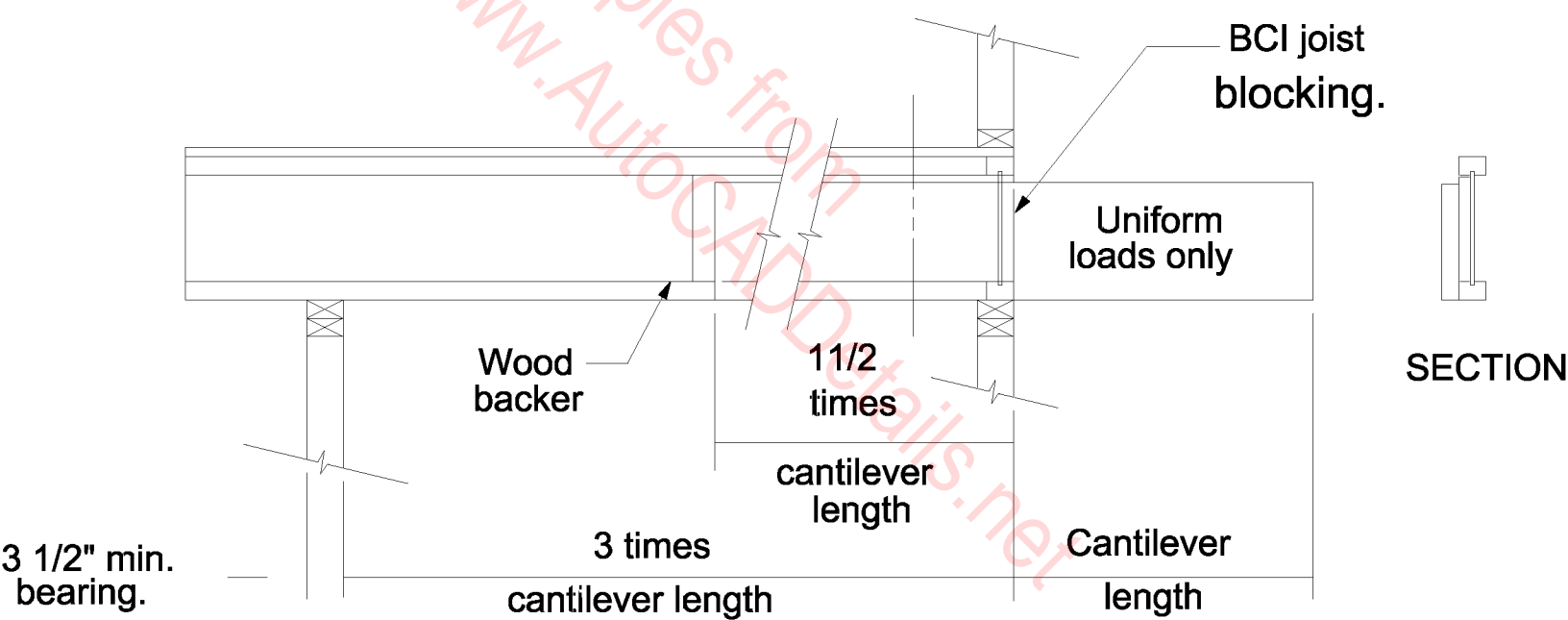
Load bearing wall above

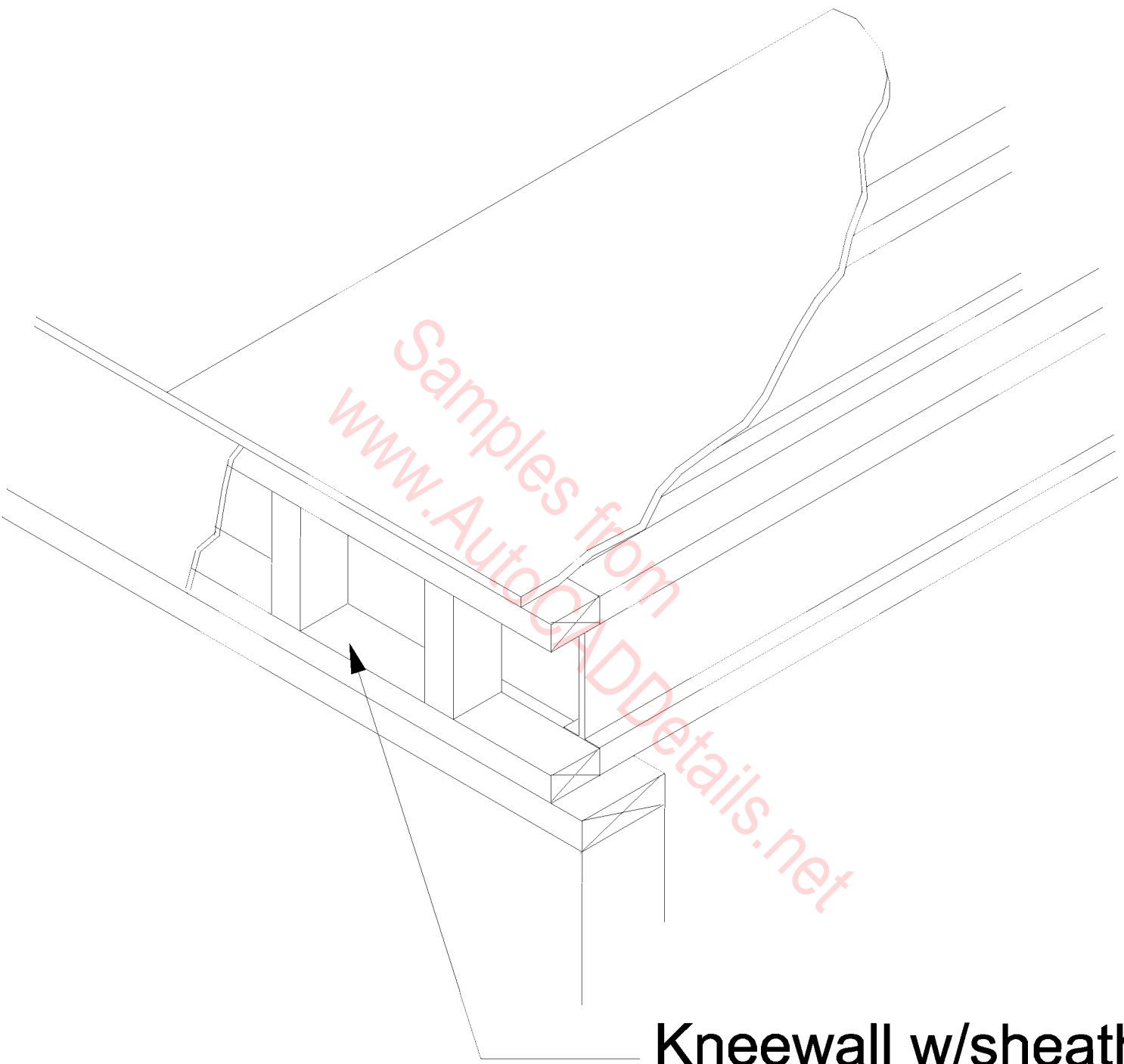
**BCI
rim joist.**



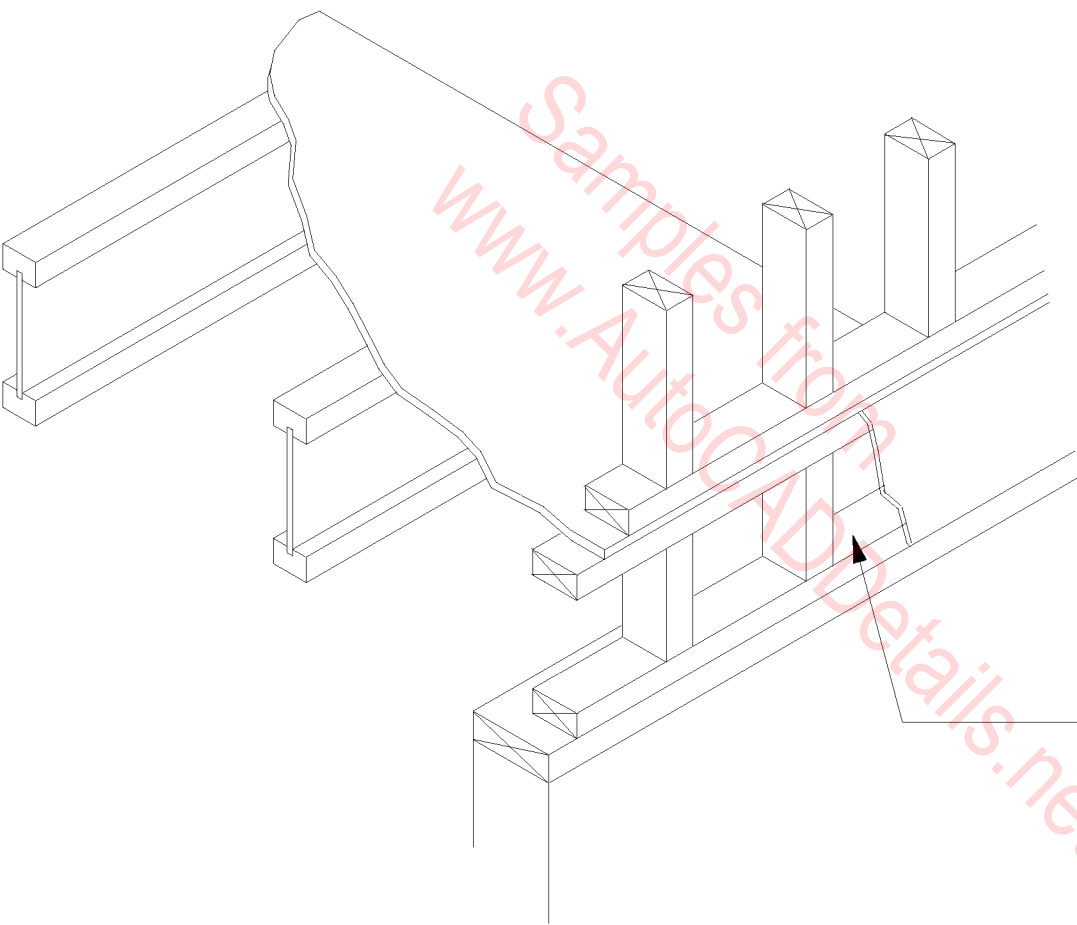
Notes: BCI floor joist must be designed to carry wall above when not stacked over wall below.

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.





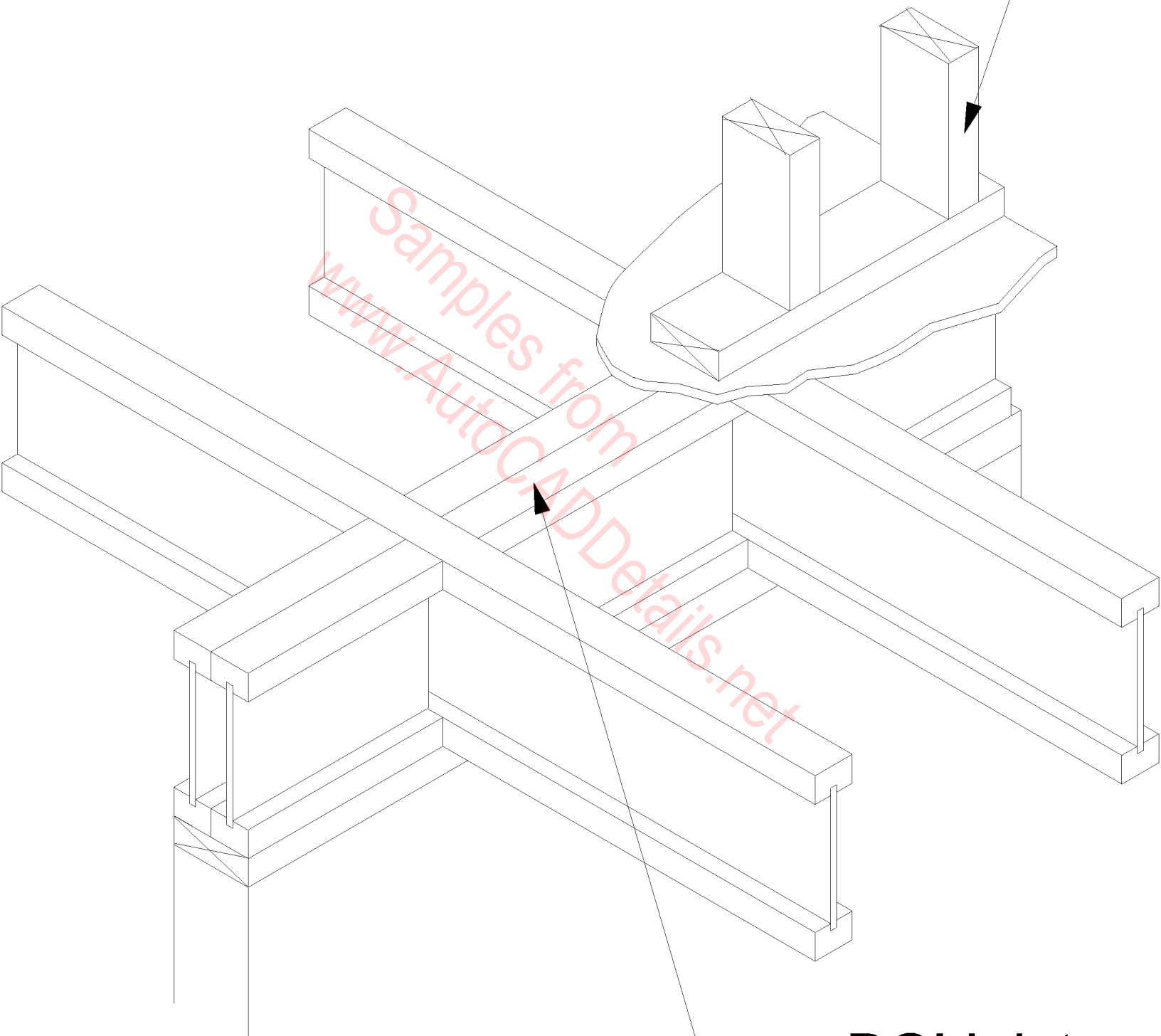
**Kneewall w/sheathing.
Kneewall must match
joist height.**



Kneewall w/sheathing.

Kneewall must match joist height.

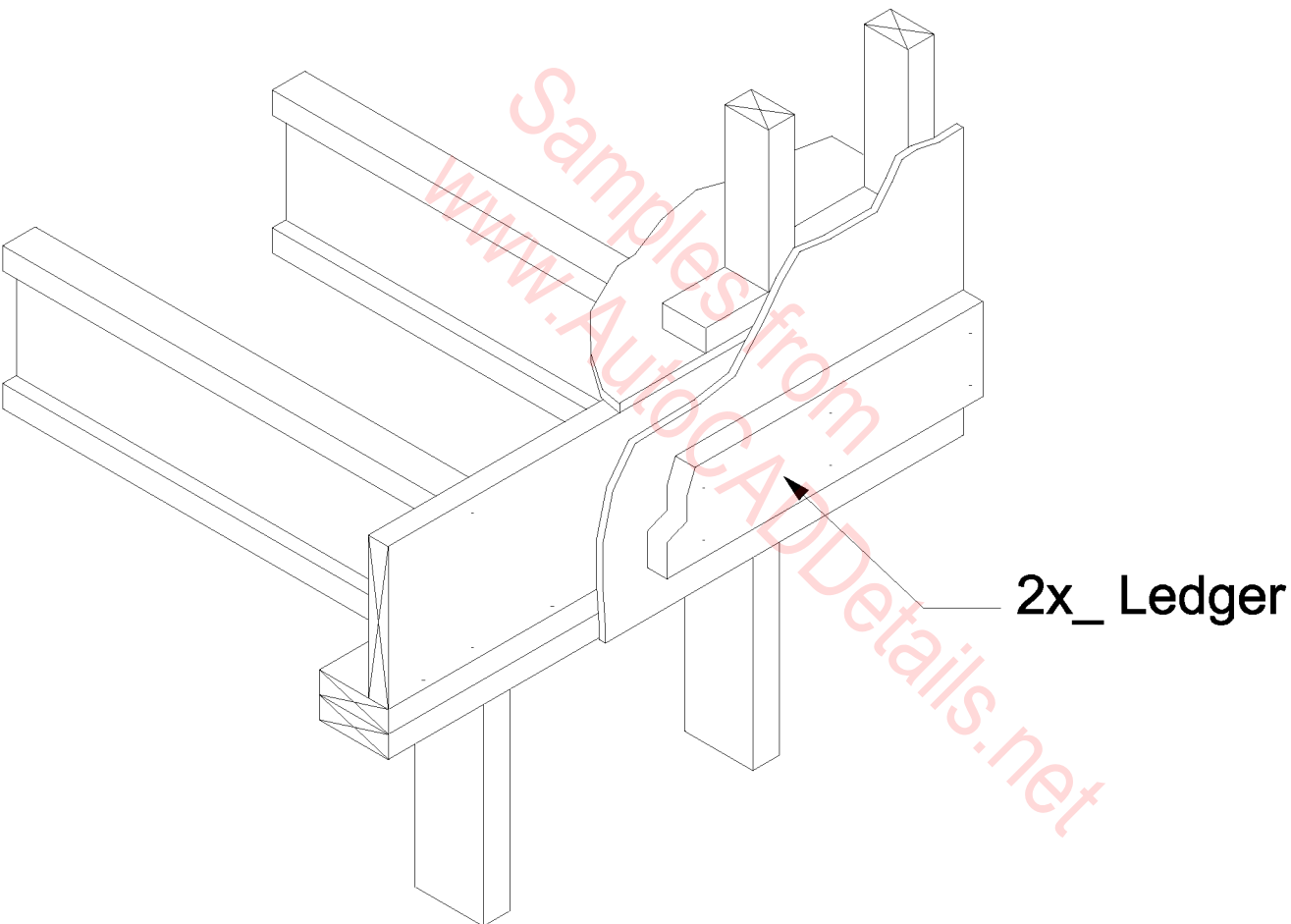
**Load bearing wall above
(stacked over wall below.)**



Samples from
www.AutoCADDetails.net

**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.

10d nails
@ 6" o.c.

2x4 one side for
135 plf max.

2x6 one side for
240 plf max.

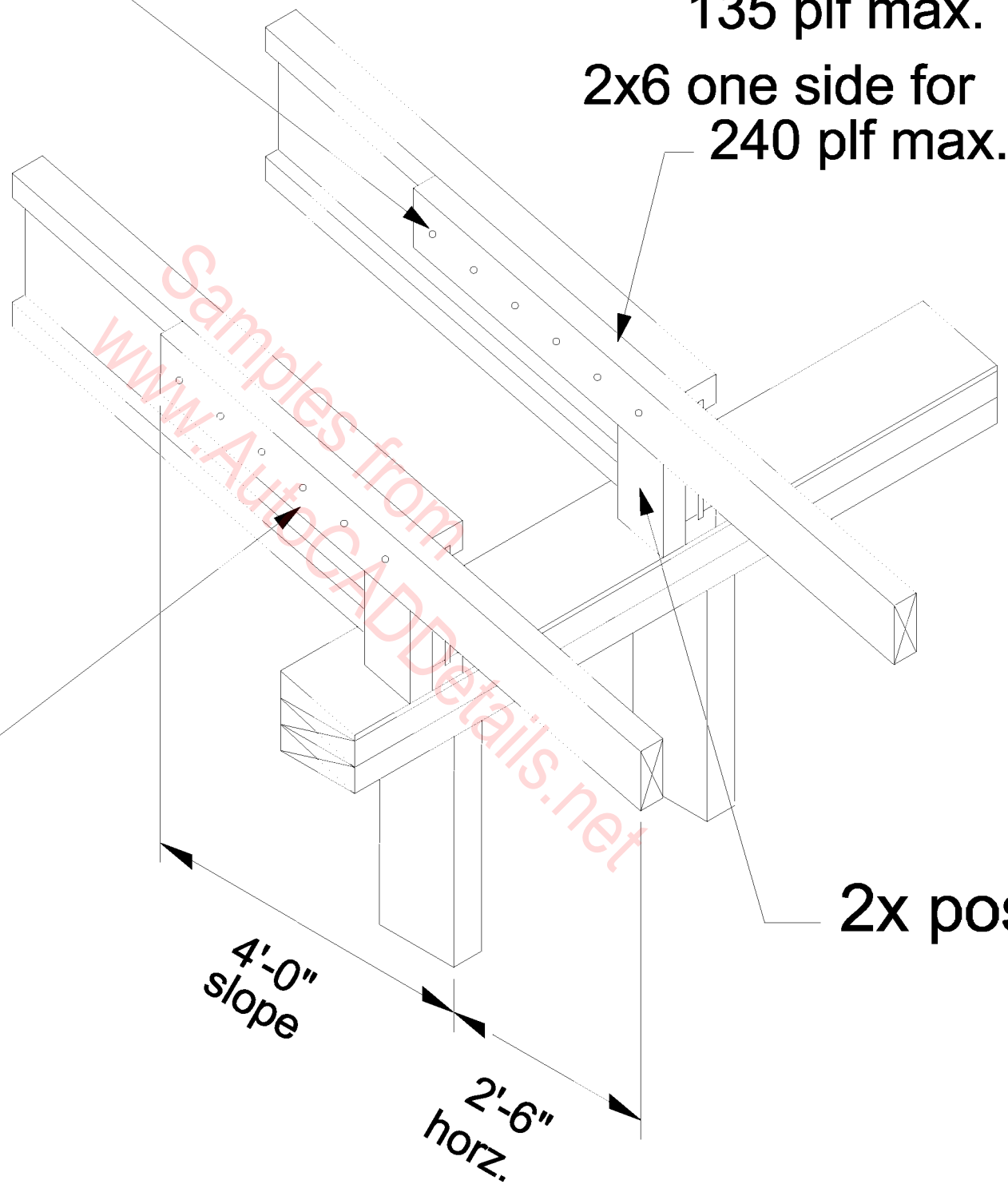
3/4" or 1"
backer
block

2x post

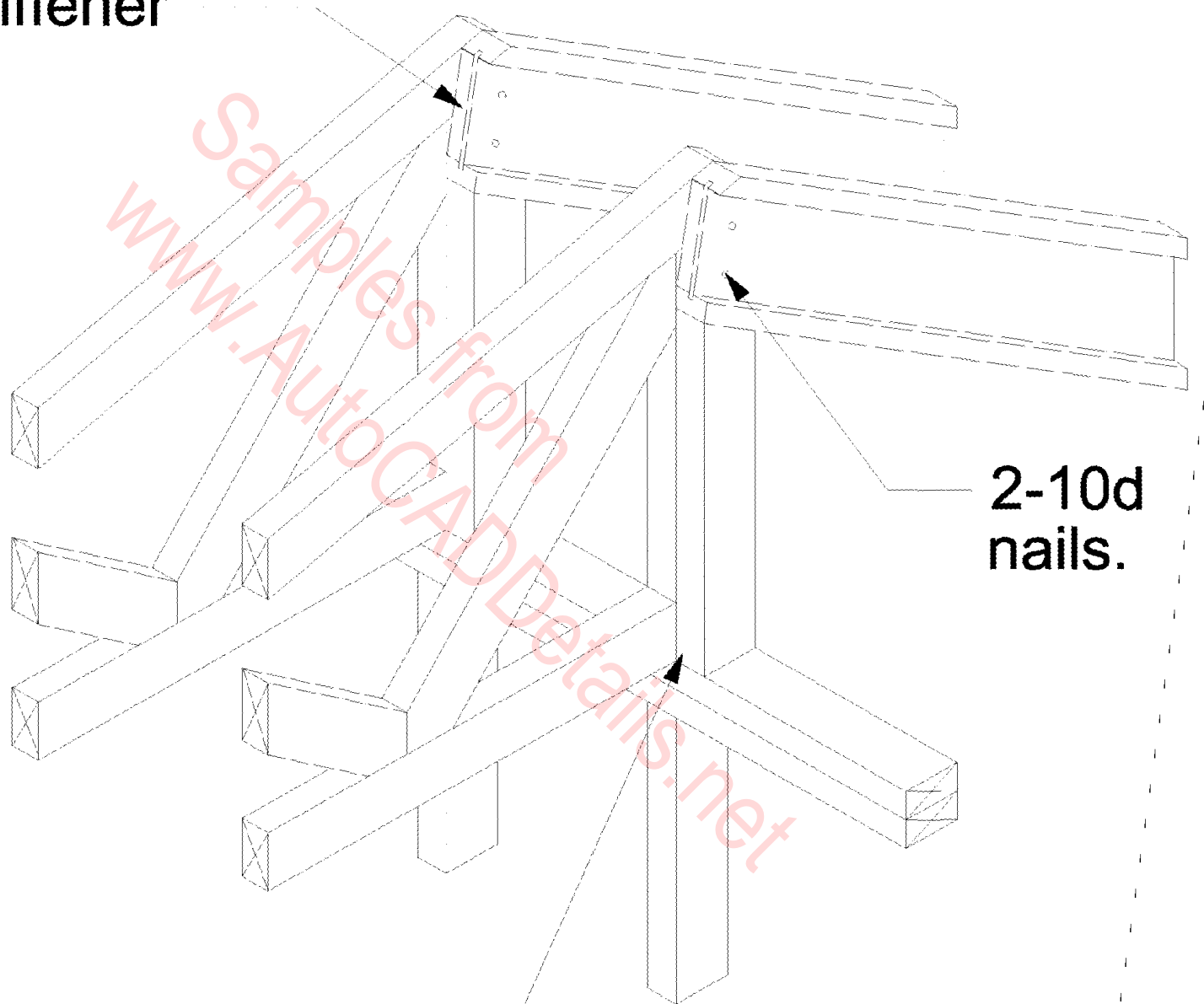
4'-0"
slope

2'-6"
horz.

Samples from
www.AutocADDetails.net



Web
stiffener

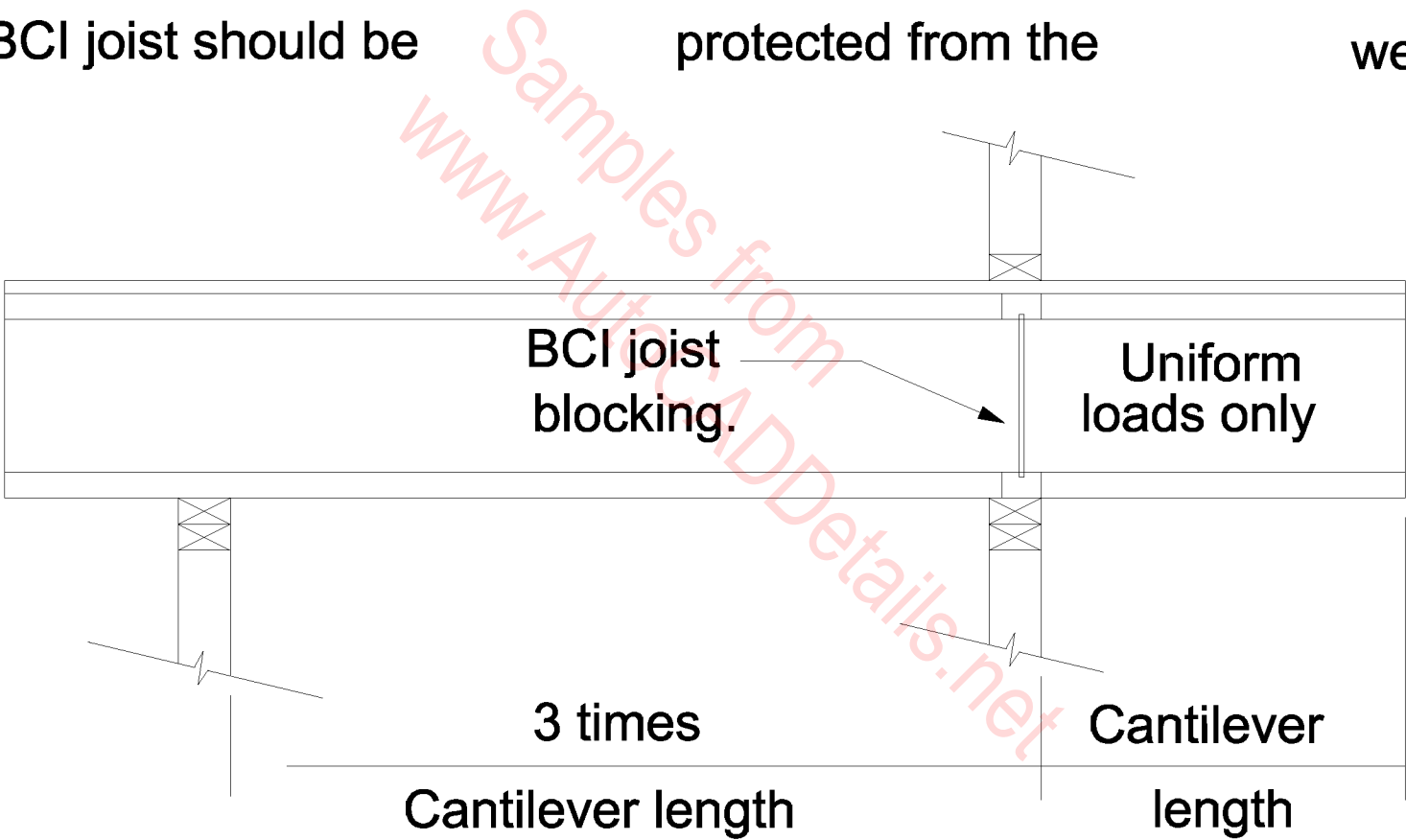


2-10d
nails.

2x support @ BCI 45
3x support @ BCI 60

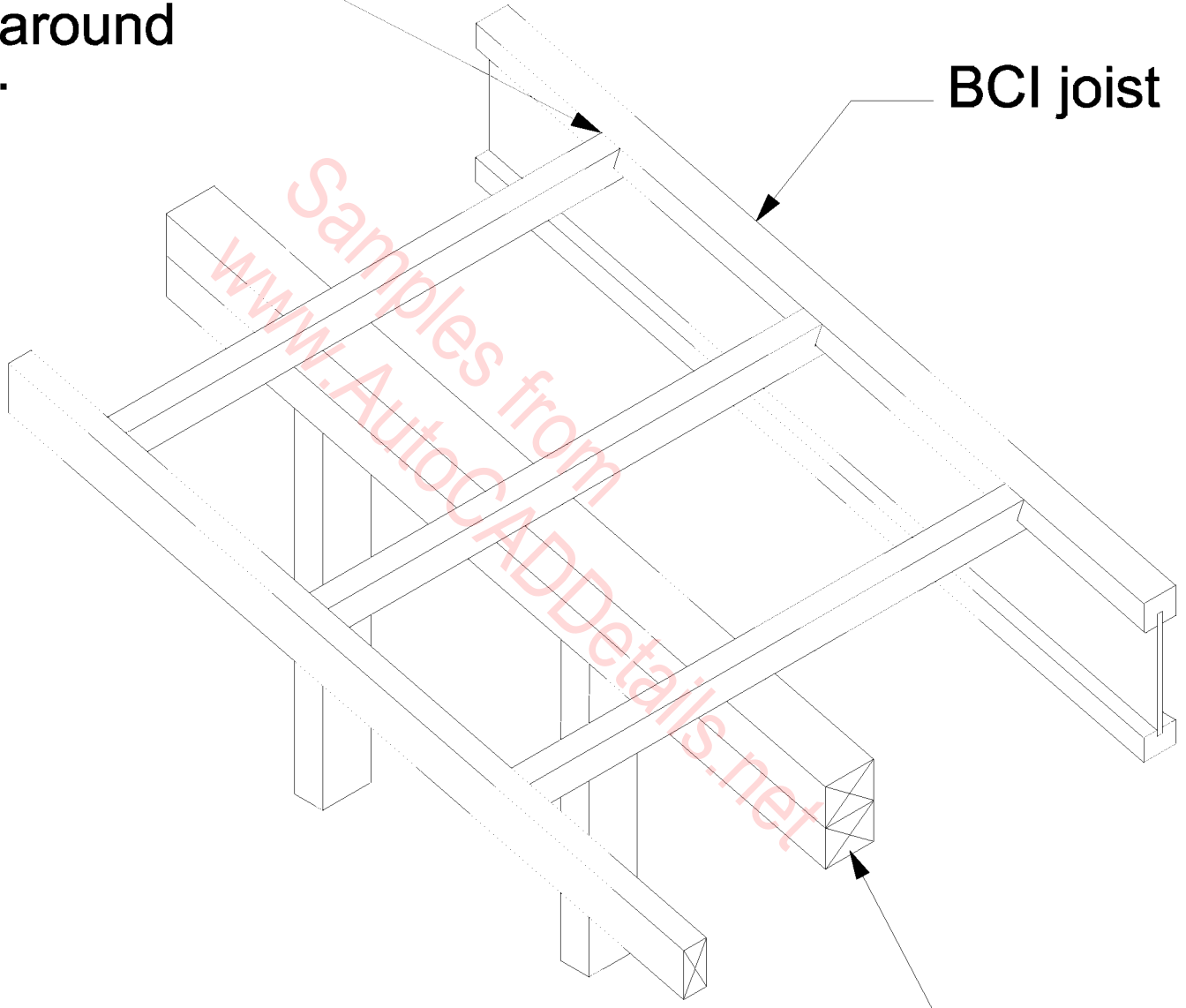
NON-LOAD BEARING CANTILEVER DETAIL

BCI joist should be protected from the weather.



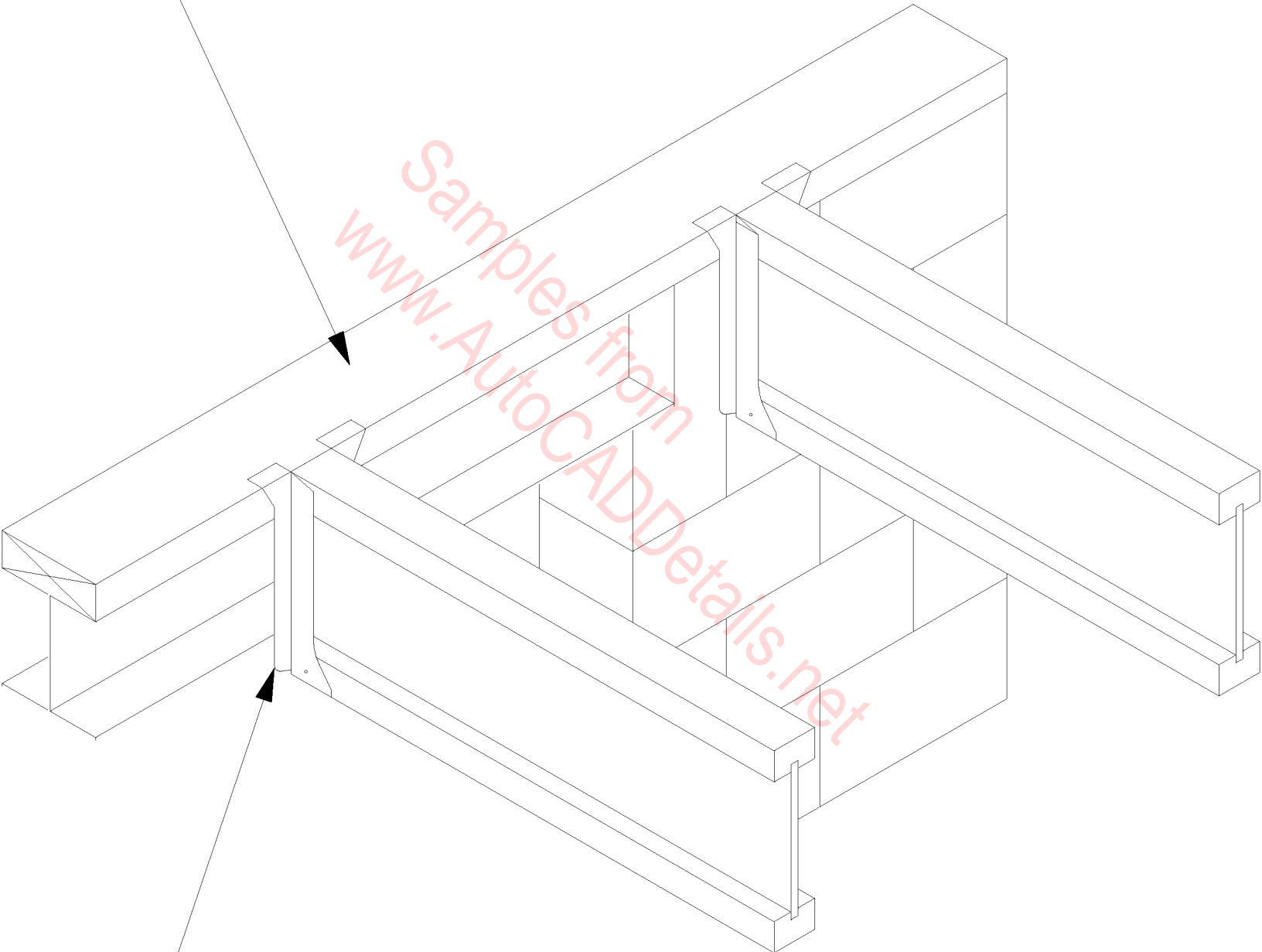
2x-outrigger
Notch around
flange.

BCI joist



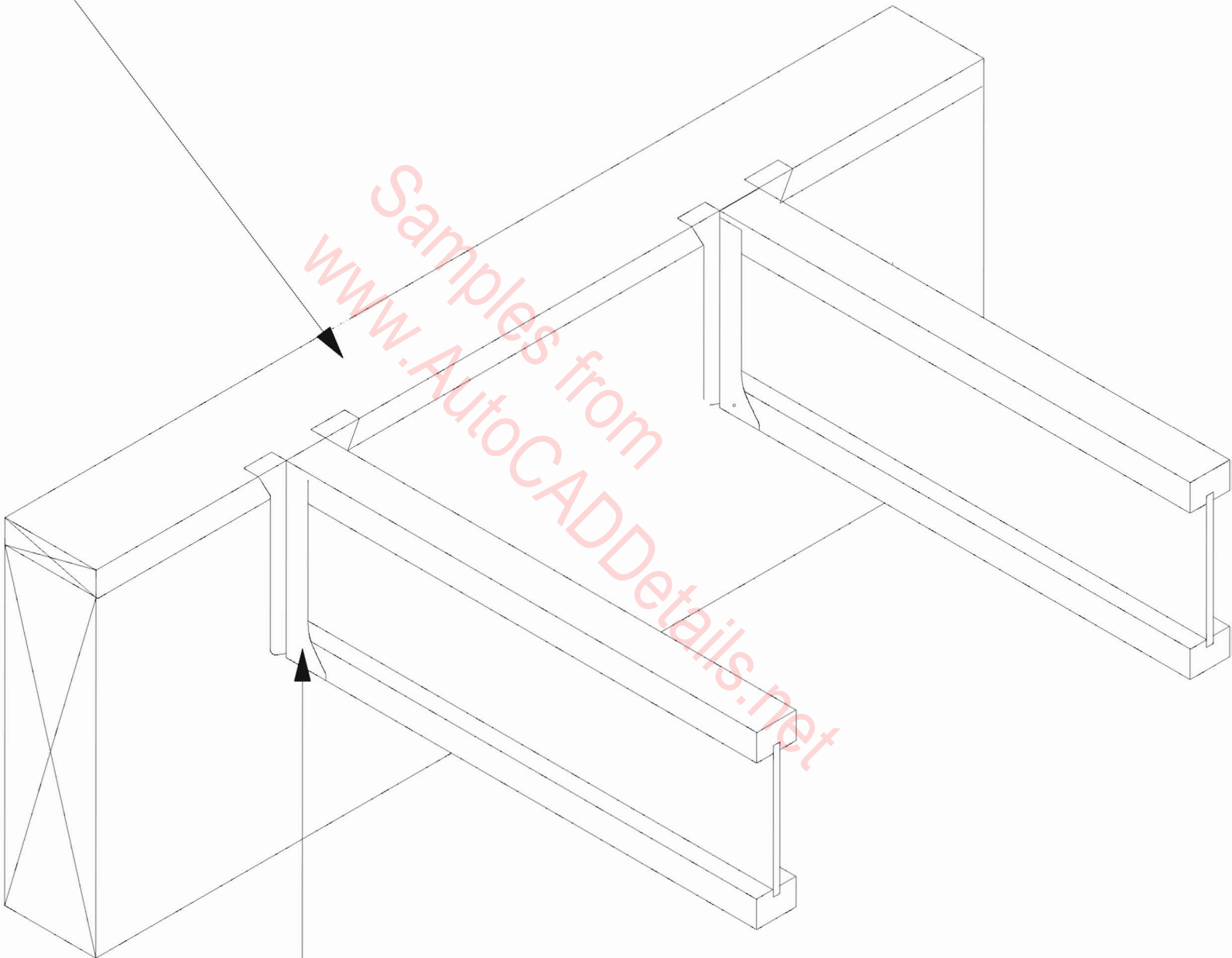
End wall

**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

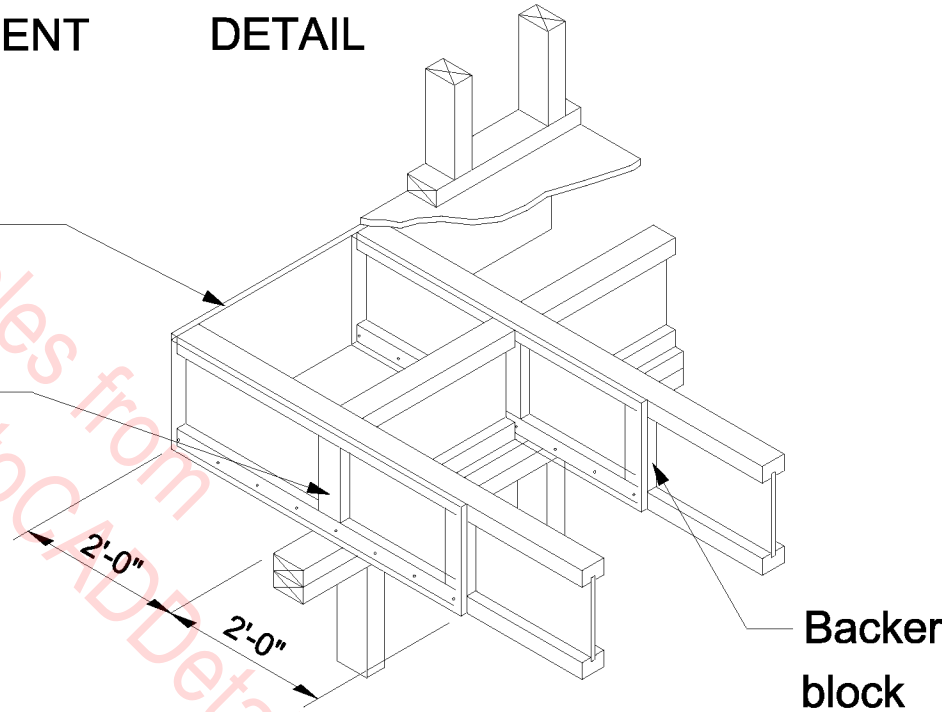
PLYWOOD

REINFORCEMENT

DETAIL

3/4" plywood
closure

Web stiffener required
each side with 18" and
deeper joists.



Backer
block

NOTE:

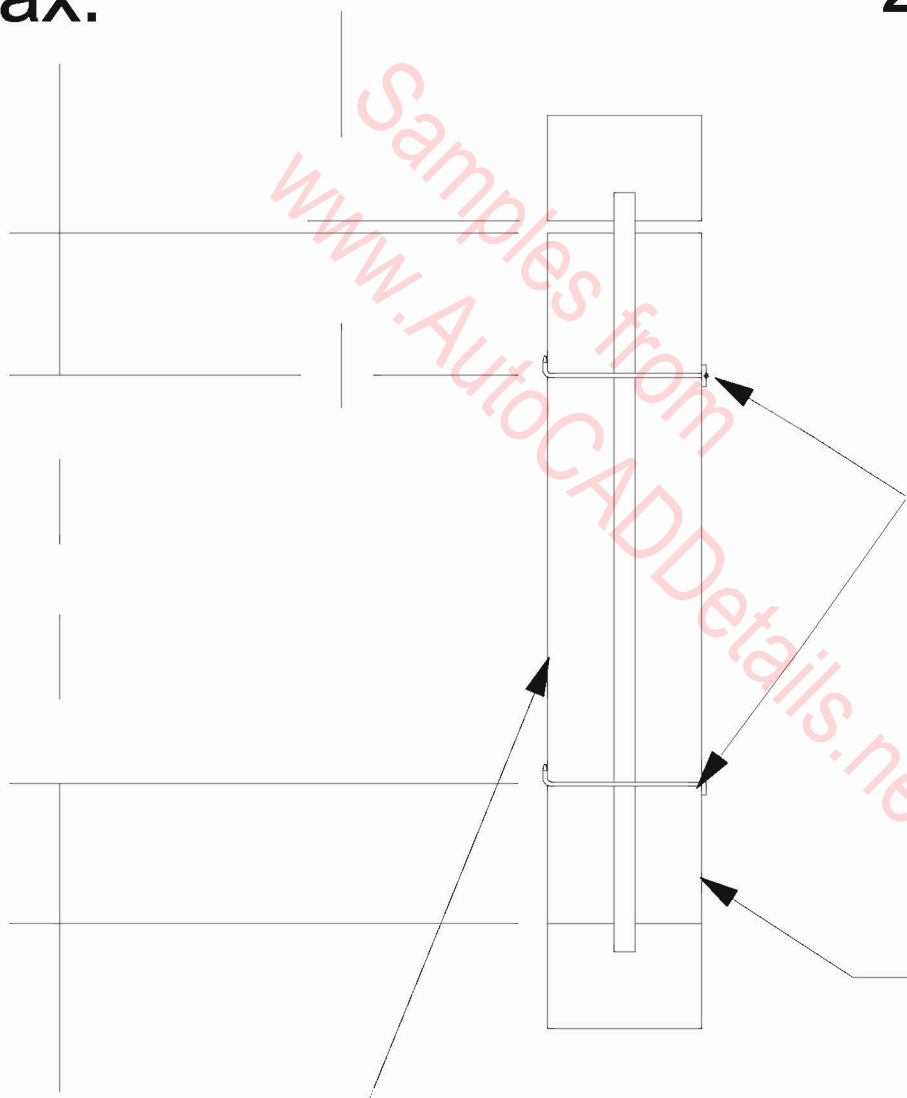
3/4"x48" CDX plywood reinforcement or other 3/4" APA 48/24 rated sheathing must match the full depth of the BCI joist. Nail to the BCI joist with 8d nails at 6" o.c. and nail with 4-8d nails into backer block. When reinforcing both sides, stagger nails to avoid splitting. Install with face grain horizontal.

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.

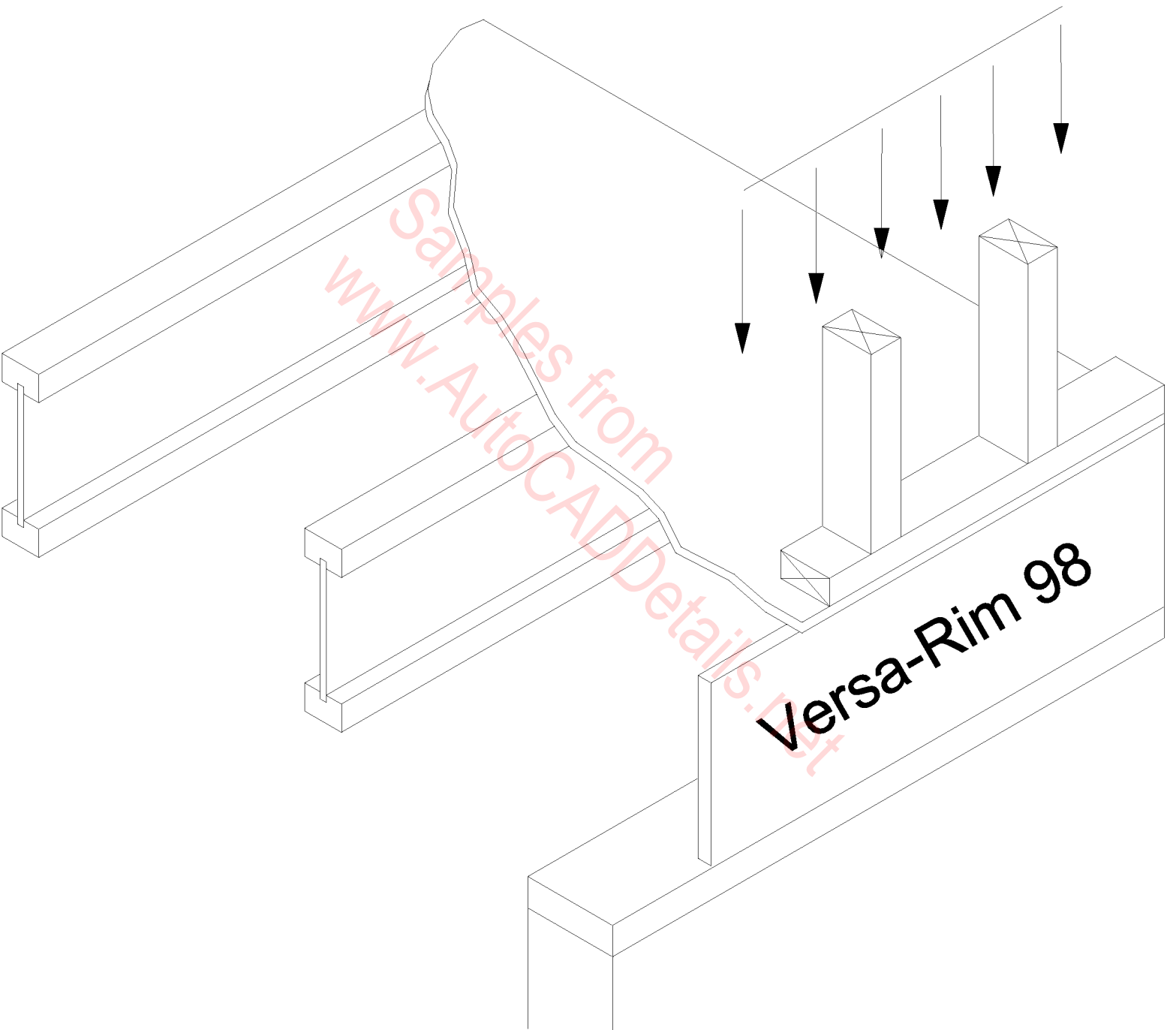
20" requires
3-8d nails,
clinch.

Tight fit.

2" min.
4" max.

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

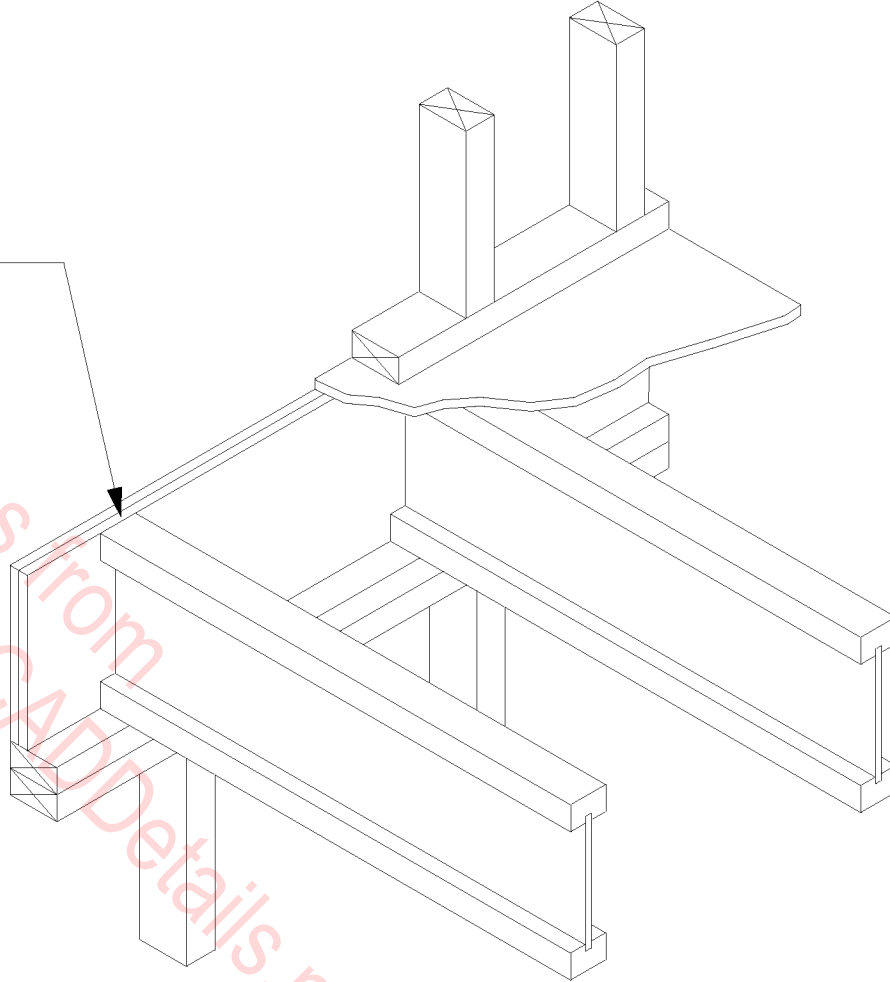
4000 pounds per foot
Vertical Load Capacity



Rim Board Attachment

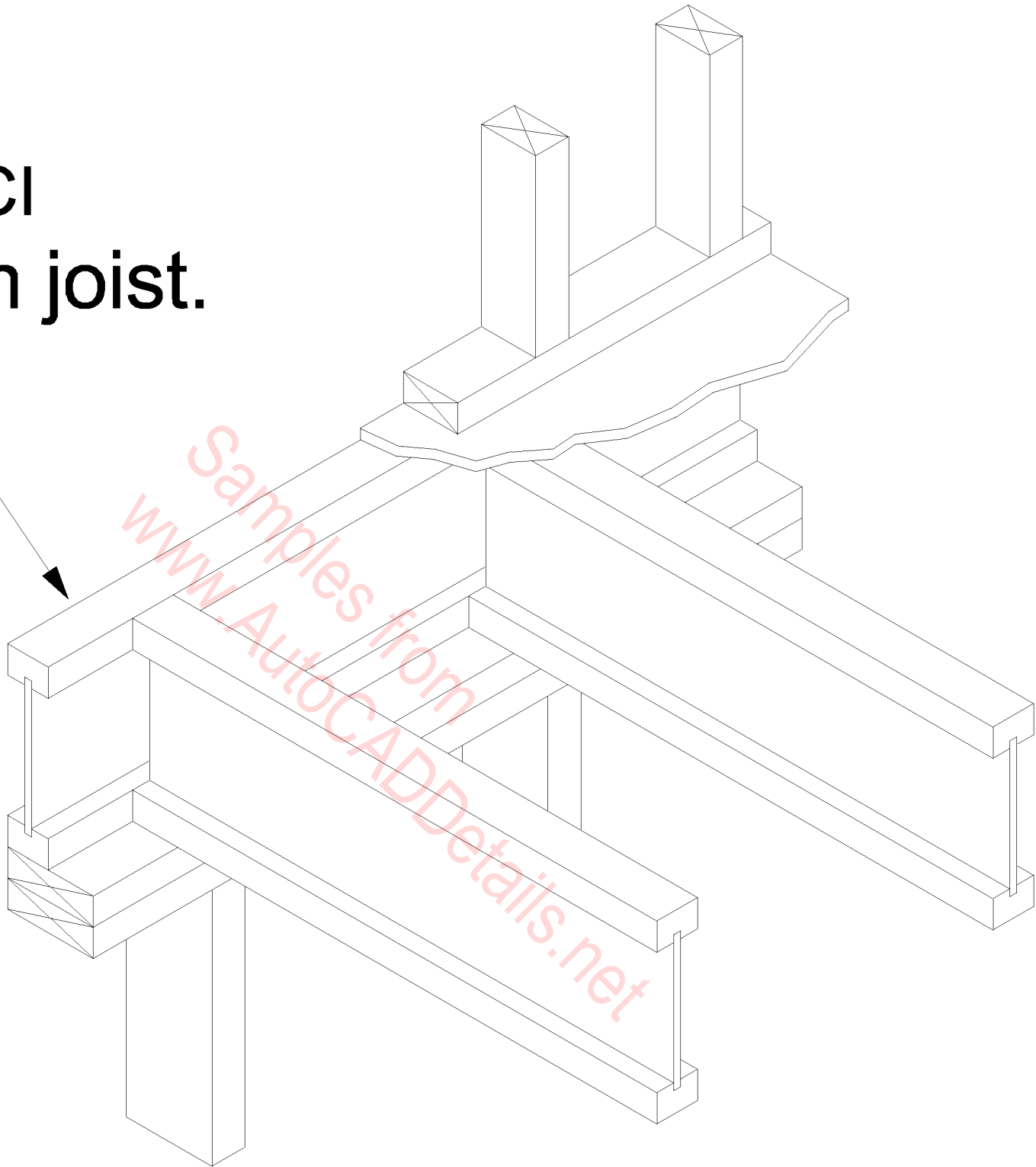
Two layers 3/4" (48/24)
(48/24) sheathing rim
joist. (Staggered joints).

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 minimum of 4' every 25' of bearing wall length.

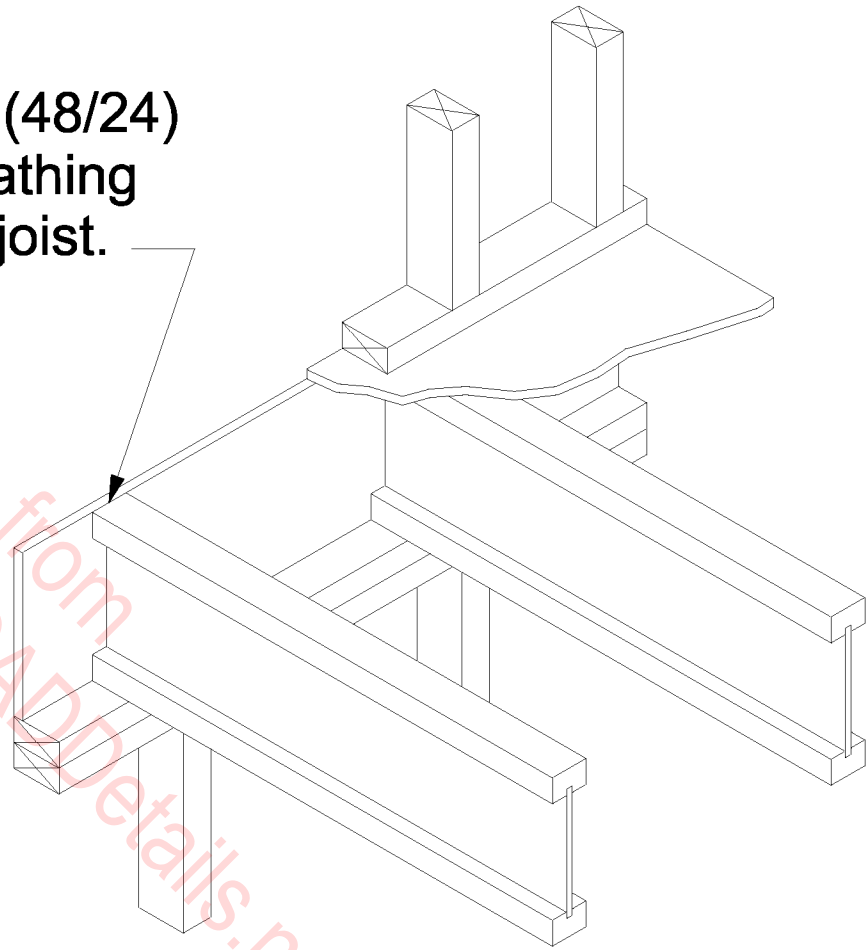
**BCI
rim joist.**



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

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

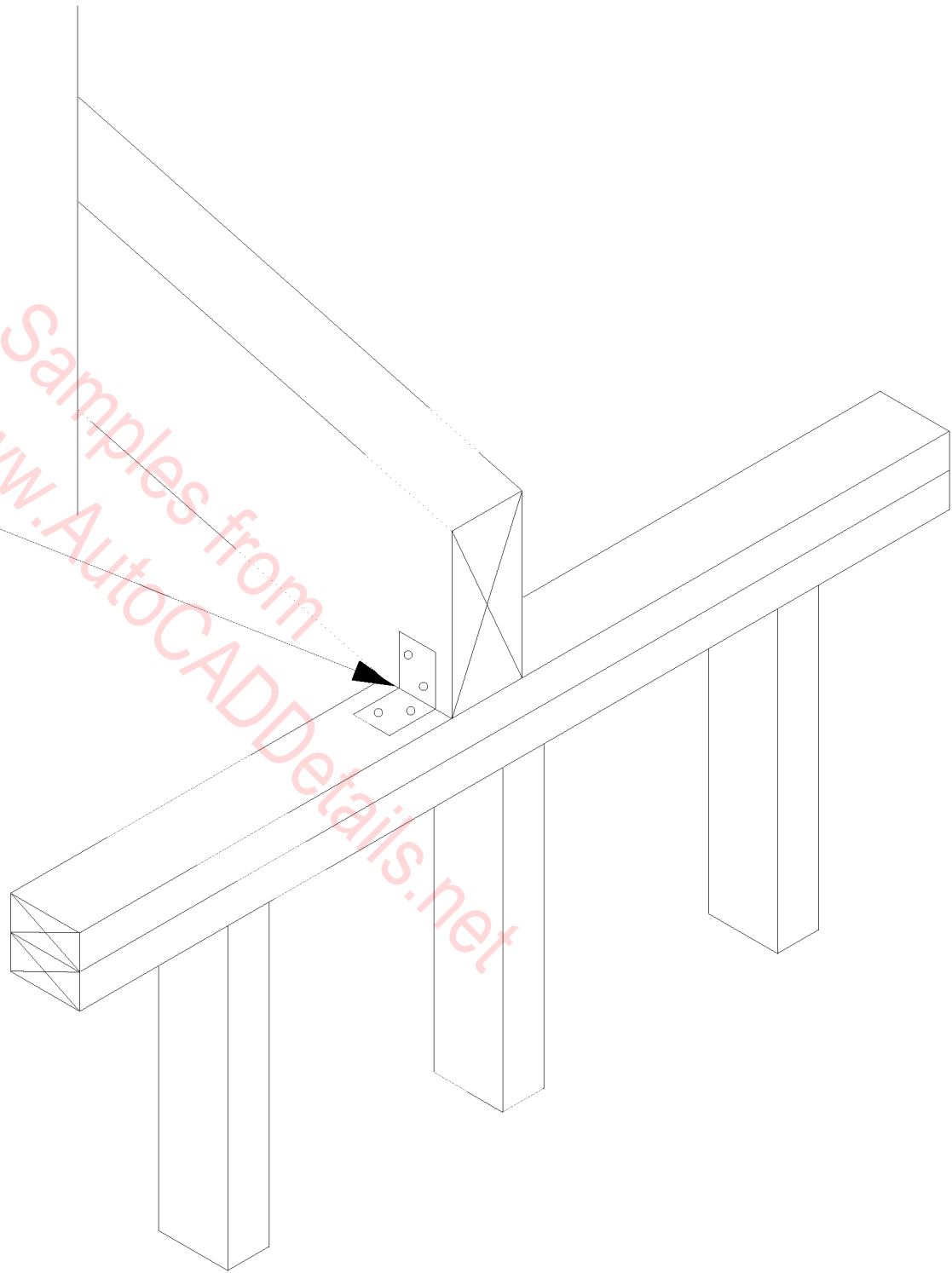
For single story
application, or second
story of two story
application.

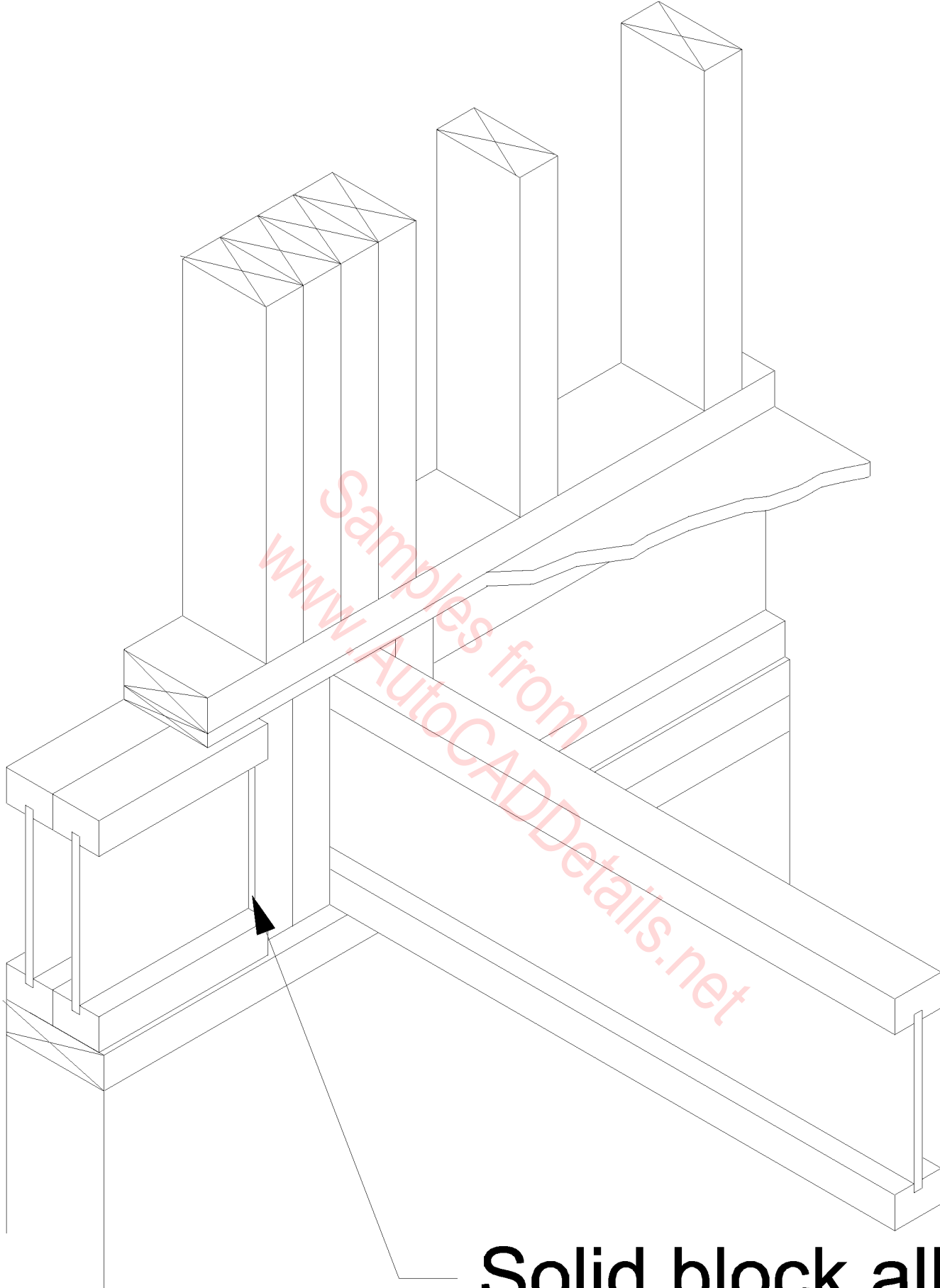


Where a plywood rim is used, bracing complying with code must be carried to the foundation, or BCI joist solid blocking used a minimum of 4' every 25' of bearing wall length.

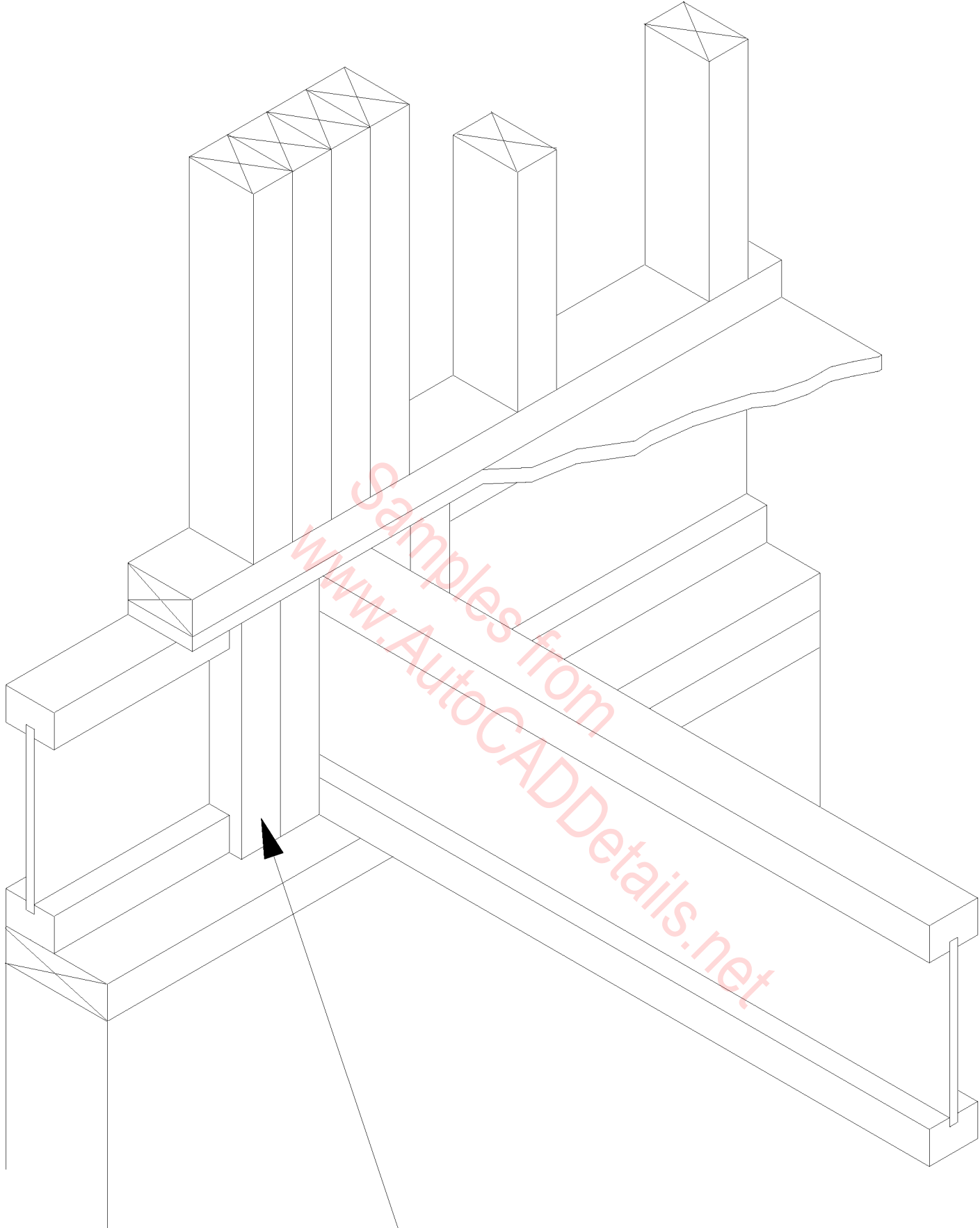
**Sloped
seat cut.**

Samples from
www.AutocADDetails.net



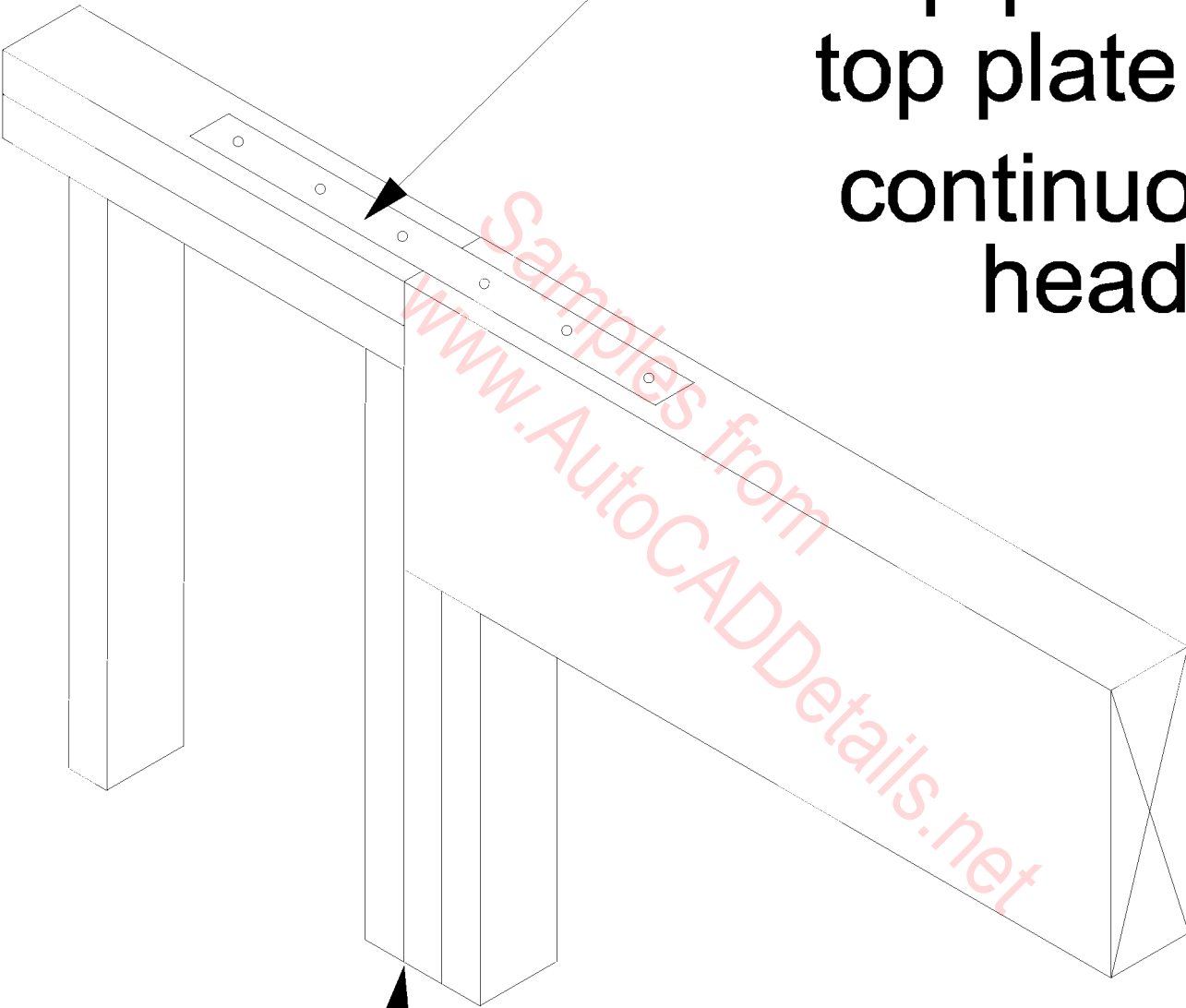


Solid block all posts from above to bearing below



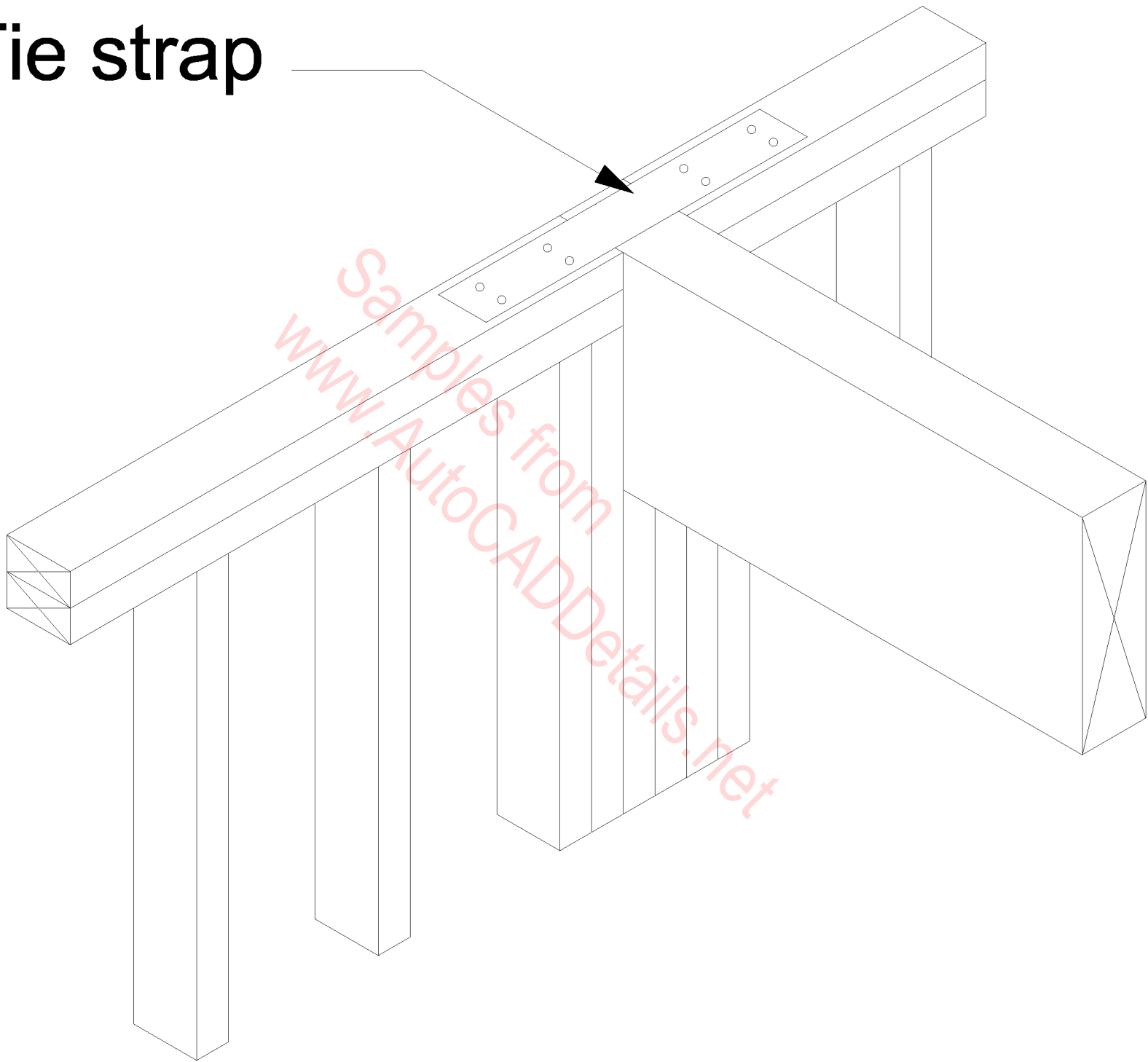
Solid block all posts from above to bearing below

**Strap per code if
top plate is not
continuous over
header.**

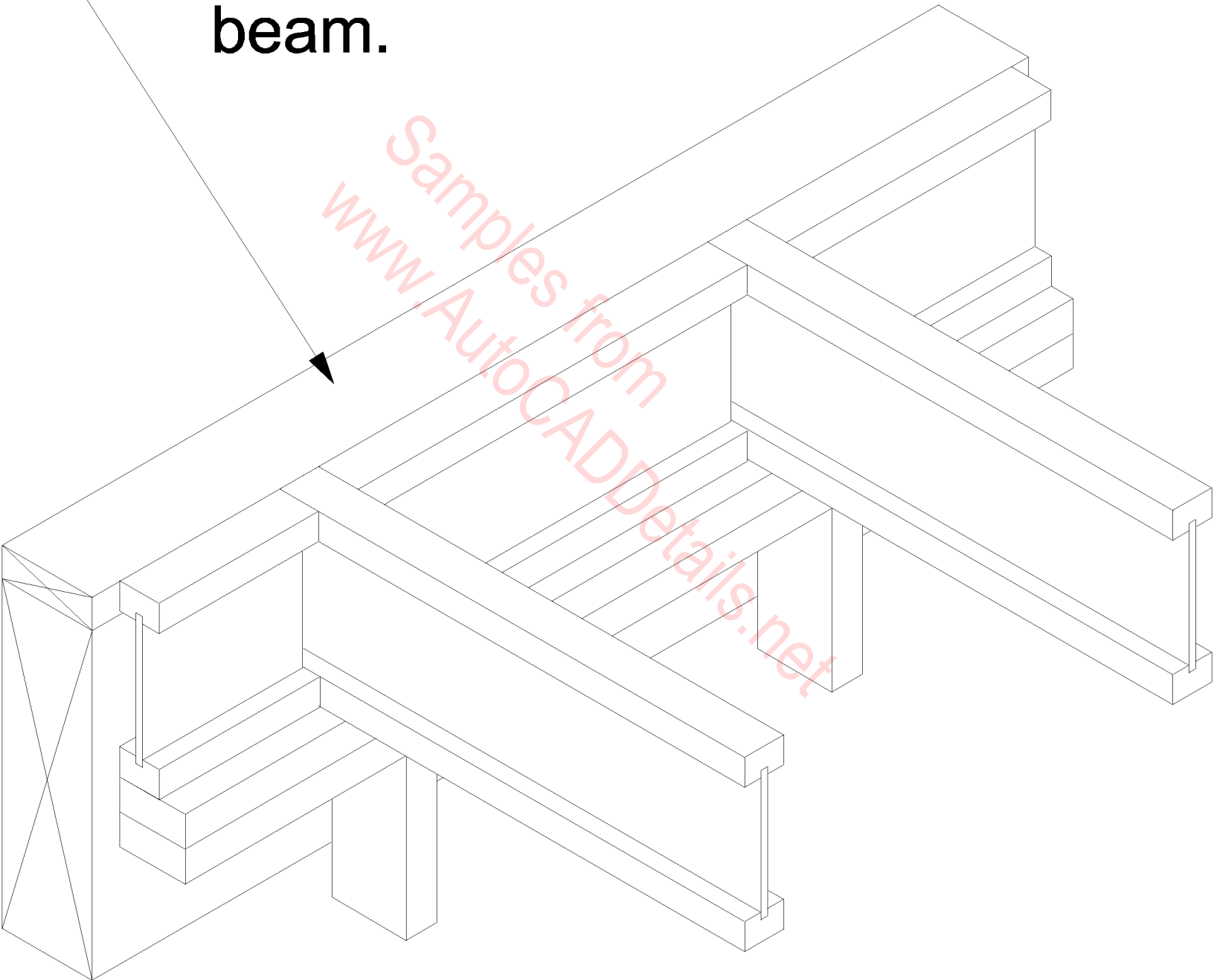


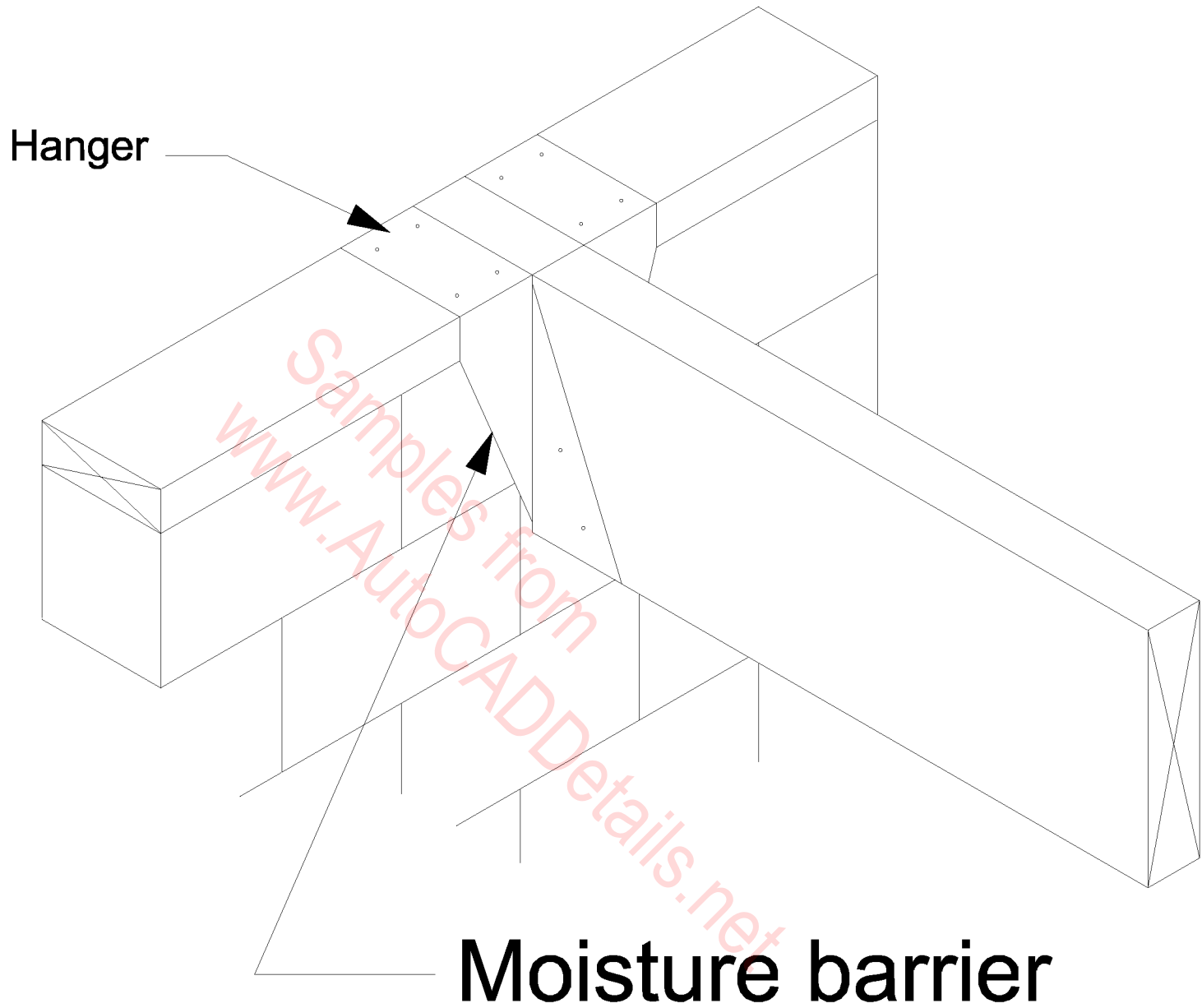
Trimmers.

Tie strap



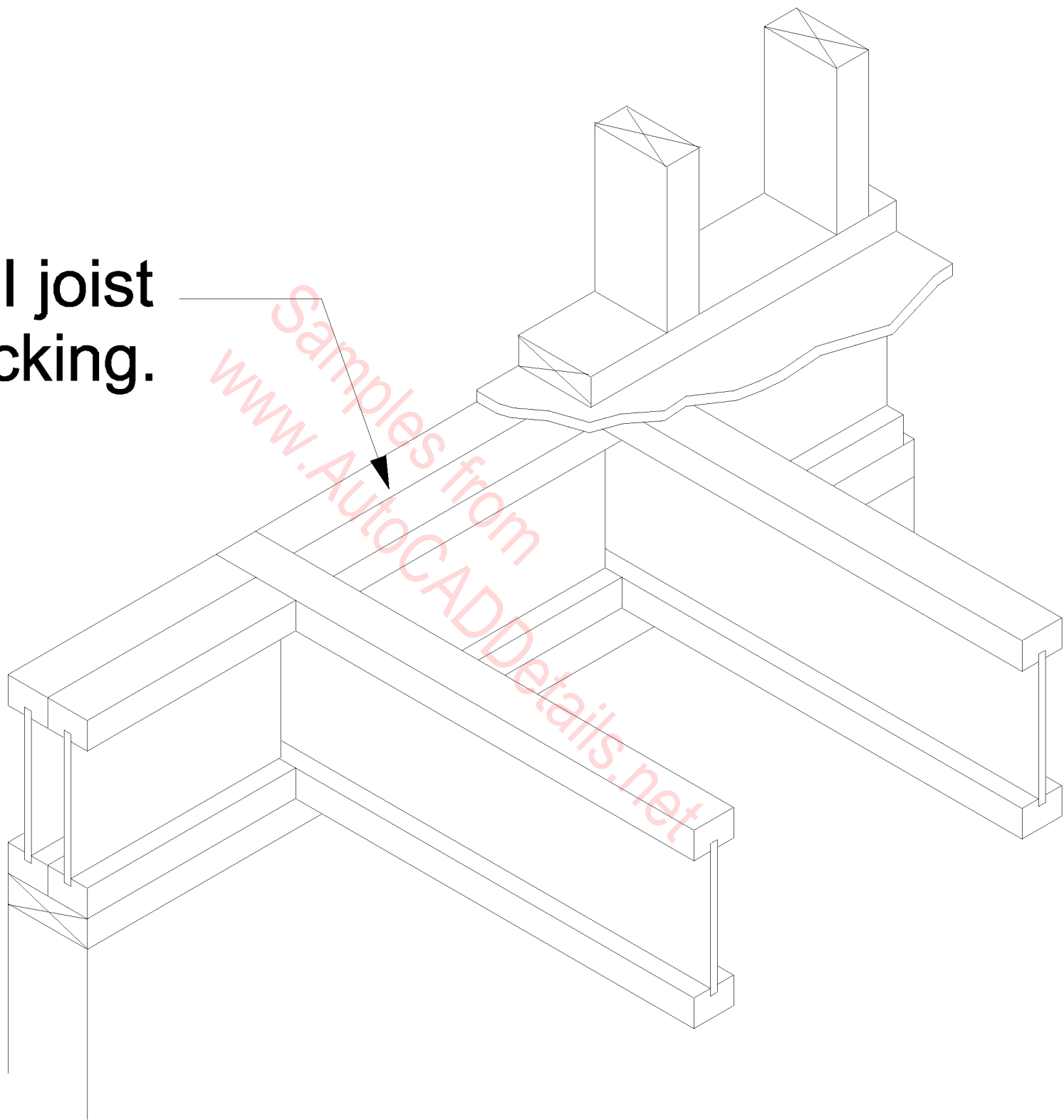
**2x--plate flush with
inside face of wall or
beam.**





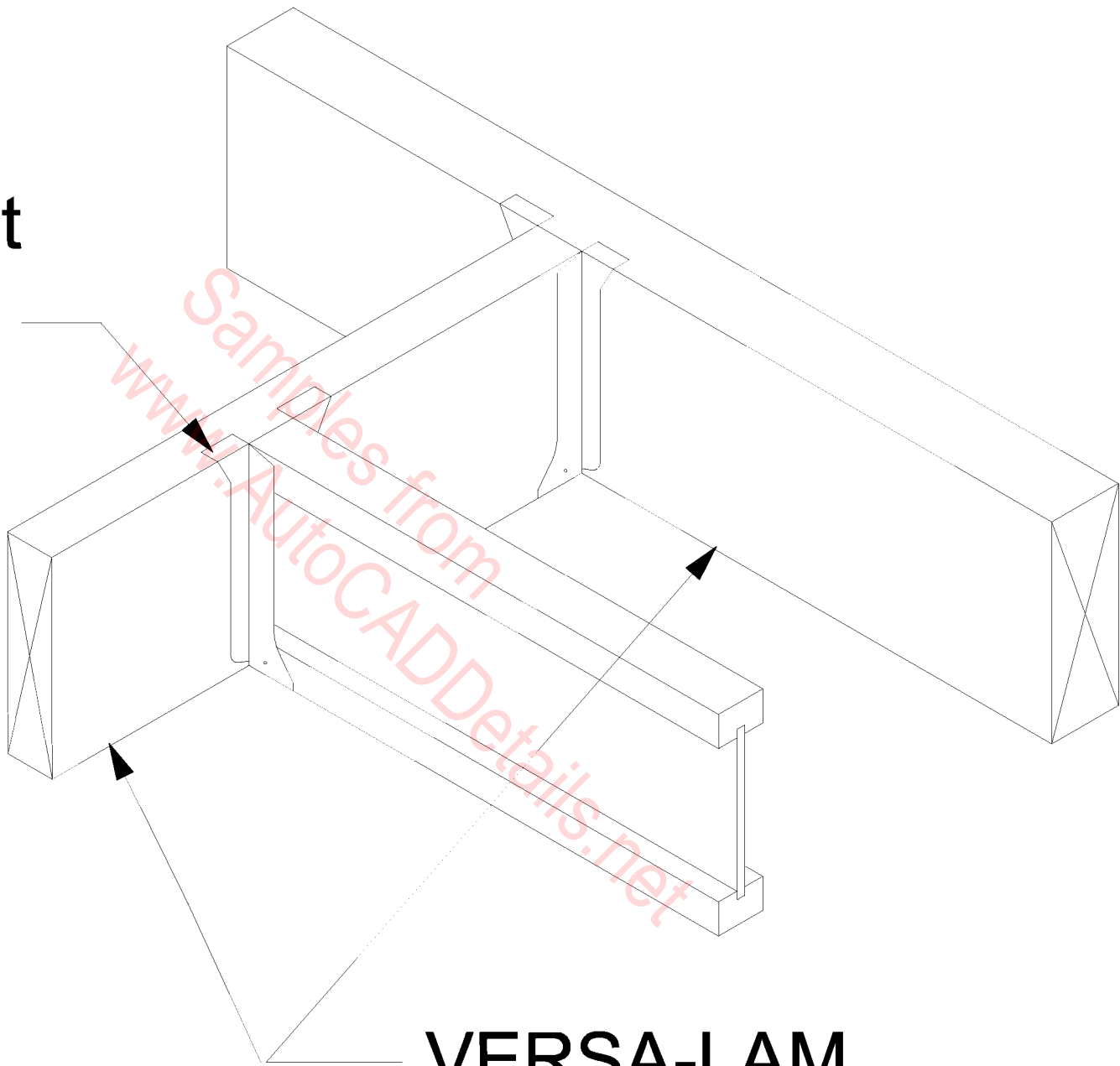
Wood top plate must be flush with inside of wall.

**BCI joist
blocking.**

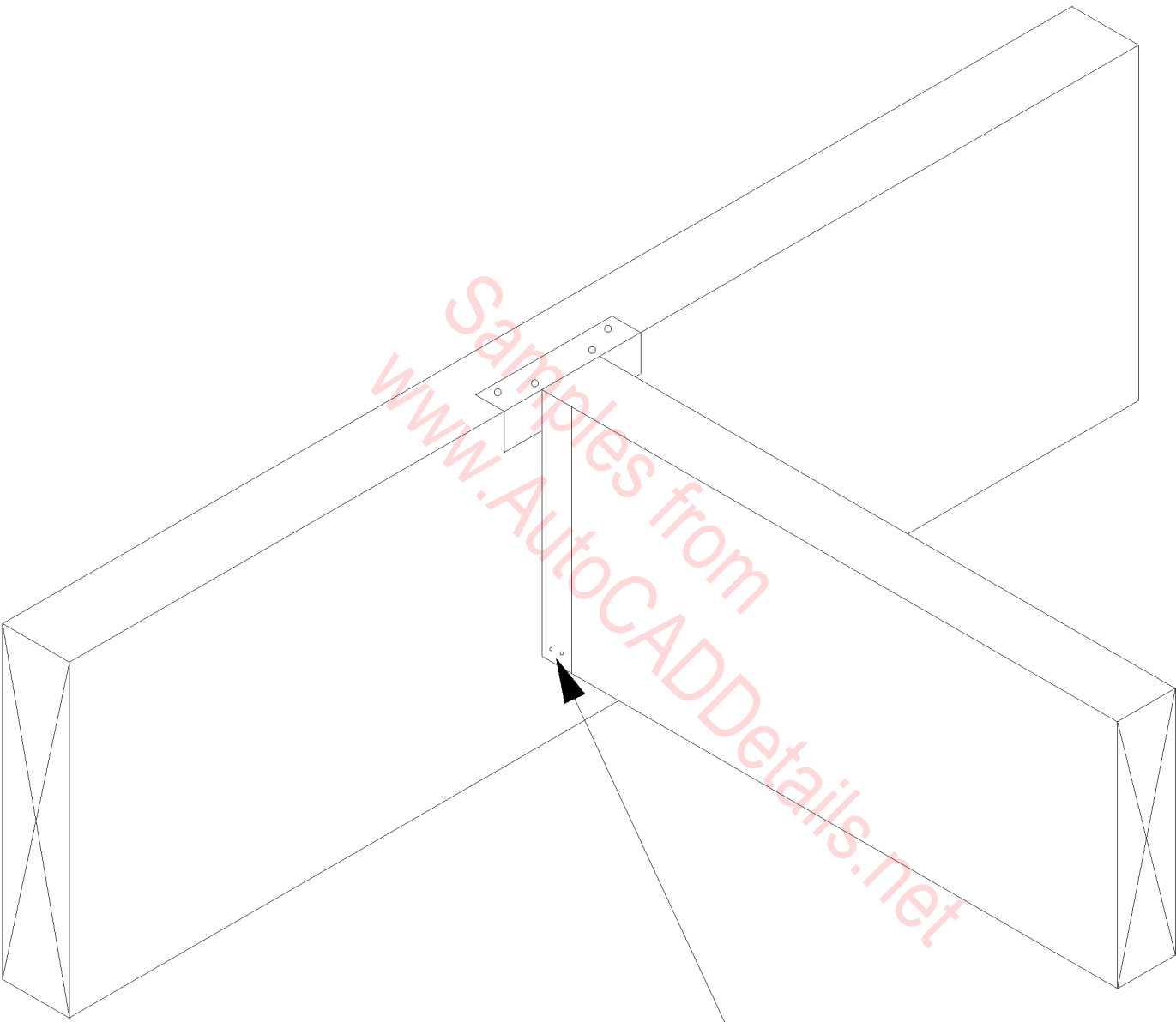


Samples from
www.AutocADDDetails.net

**BCI joist
hanger.**



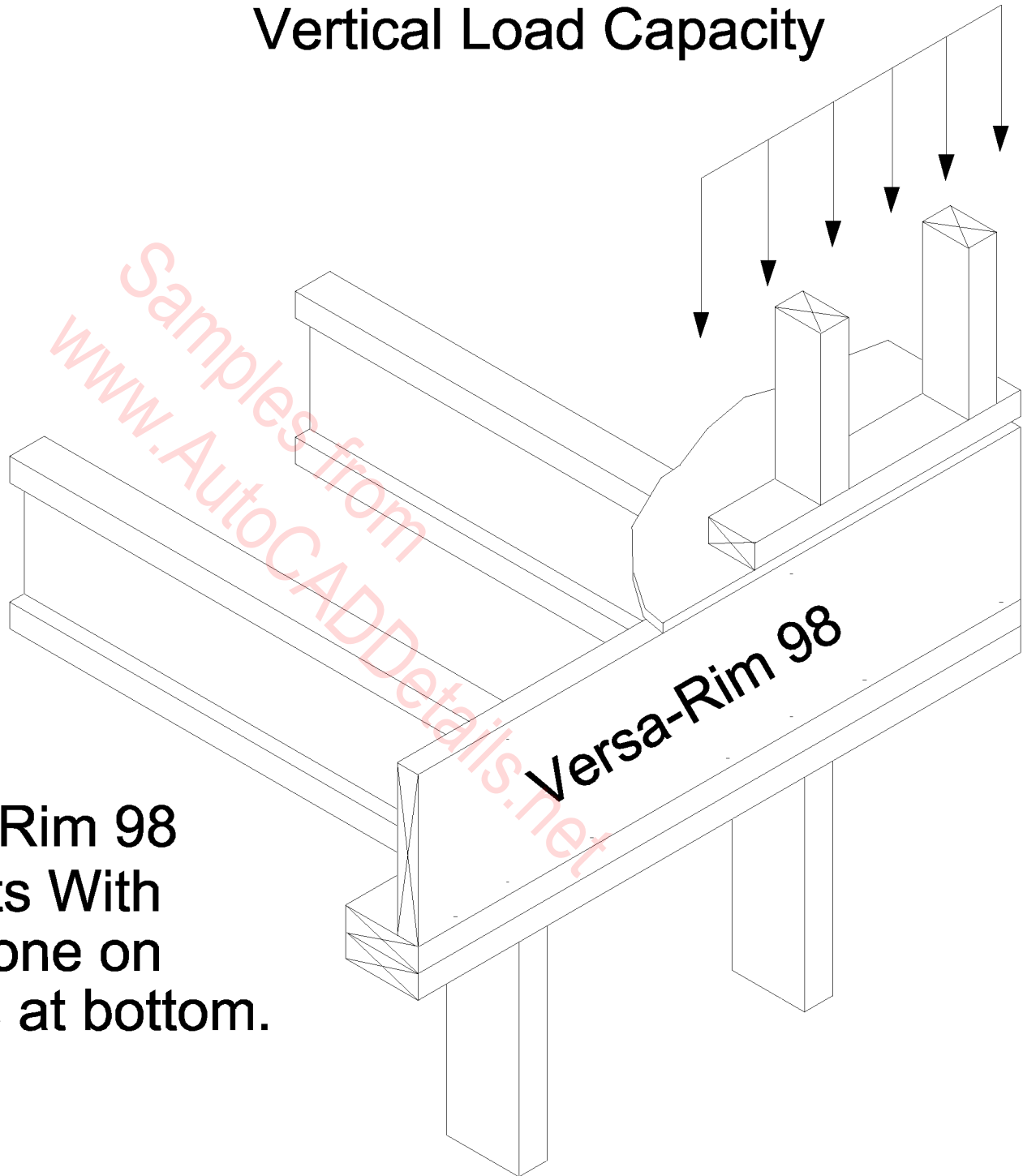
**VERSA-LAM
LVL beam.**



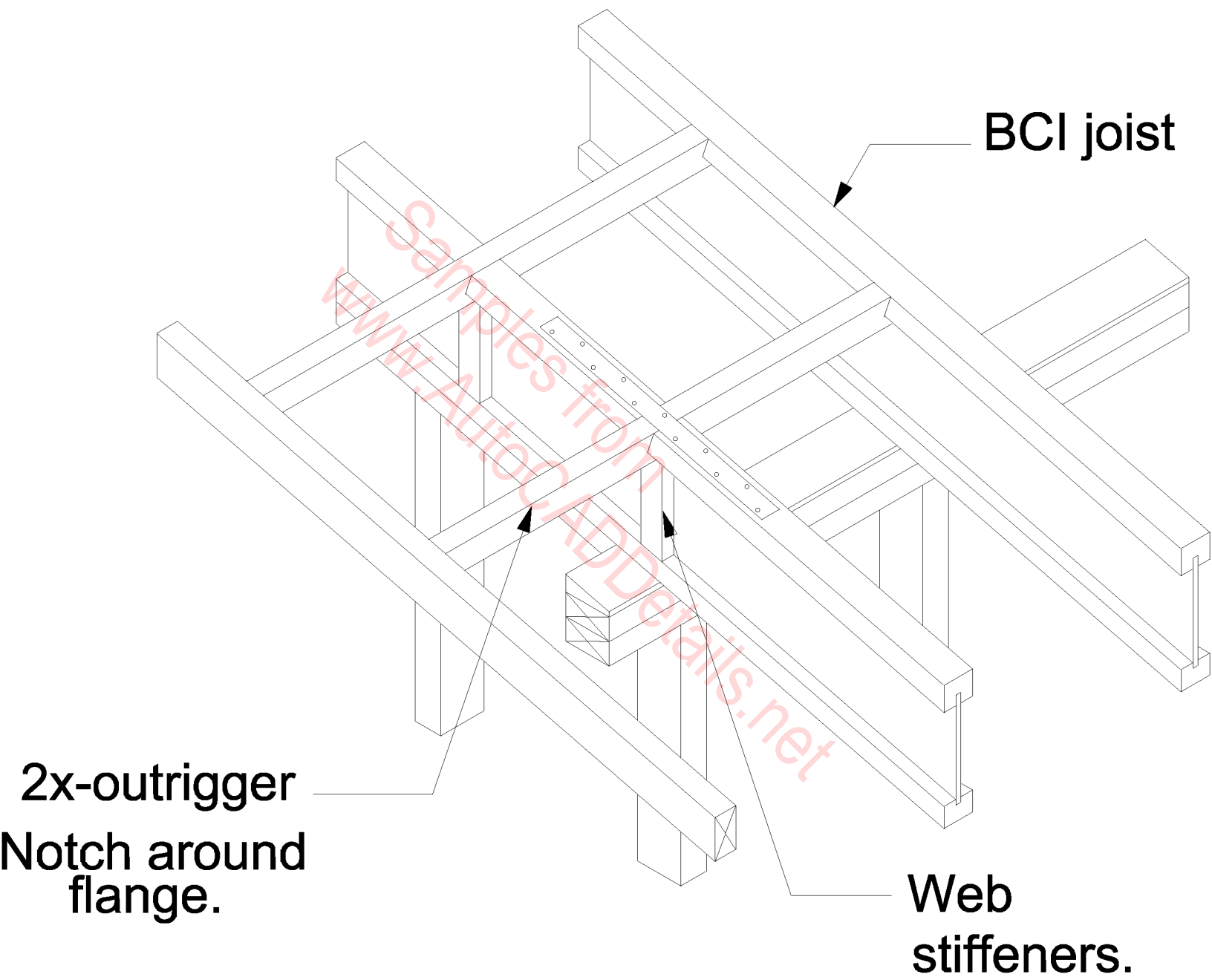
Samples from
www.AutoCADDetails.net

VERSA-LAM
LVL hanger

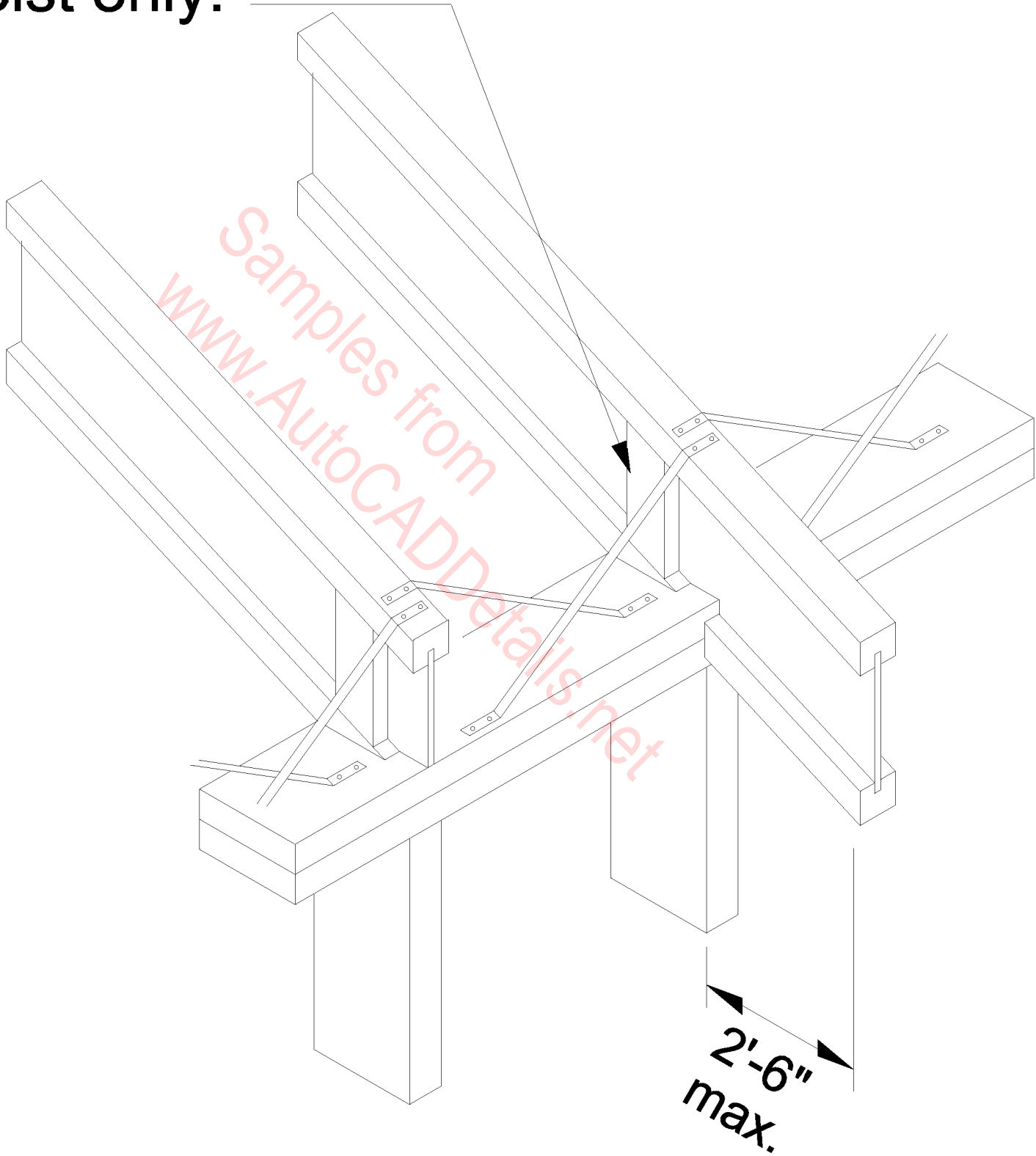
4000 pounds per foot
Vertical Load Capacity



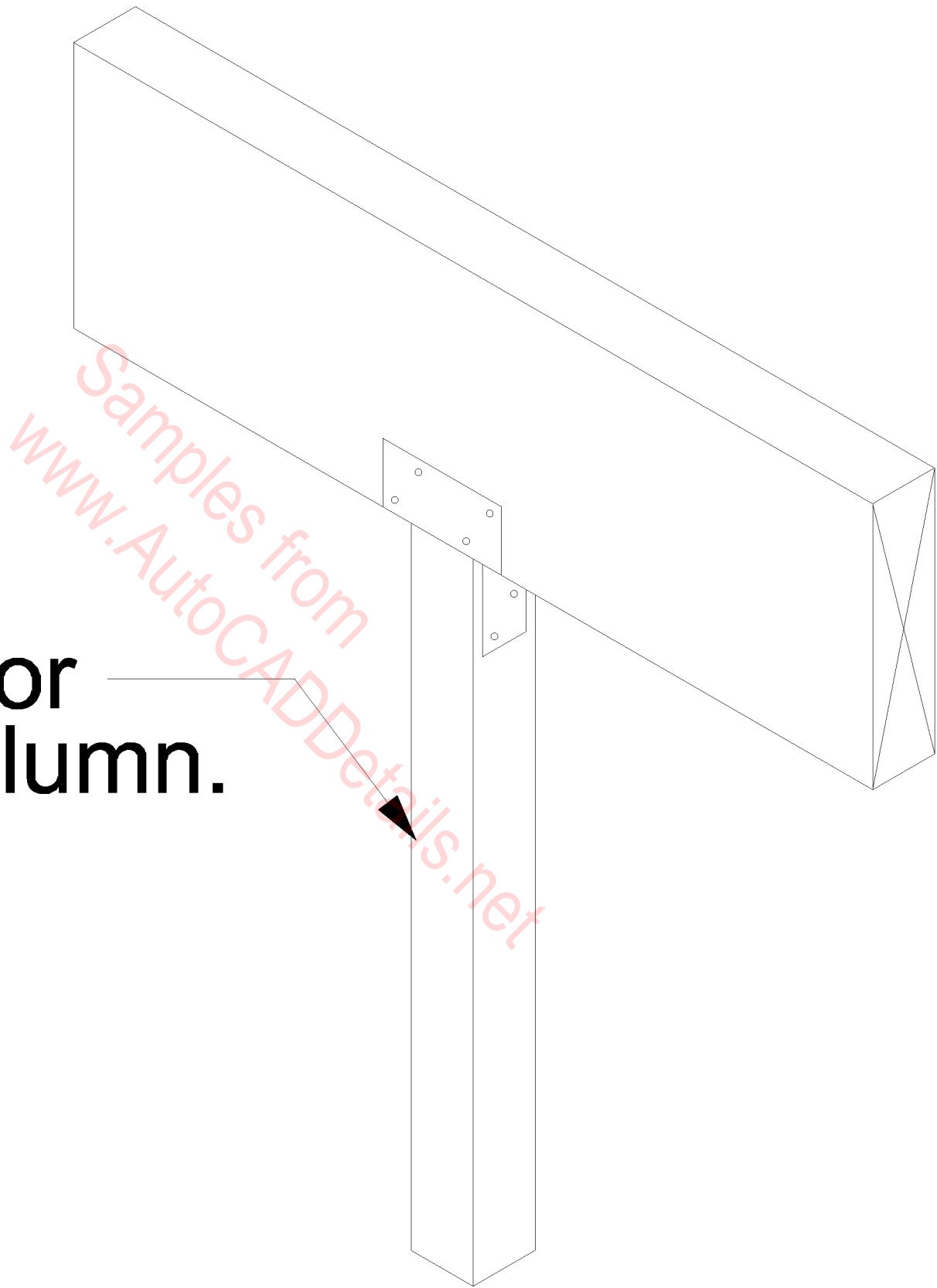
Nail Versa-Rim 98
to BCI Joists With
2-8d nails, one on
top and one at bottom.



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



**Wood or
steel column.**

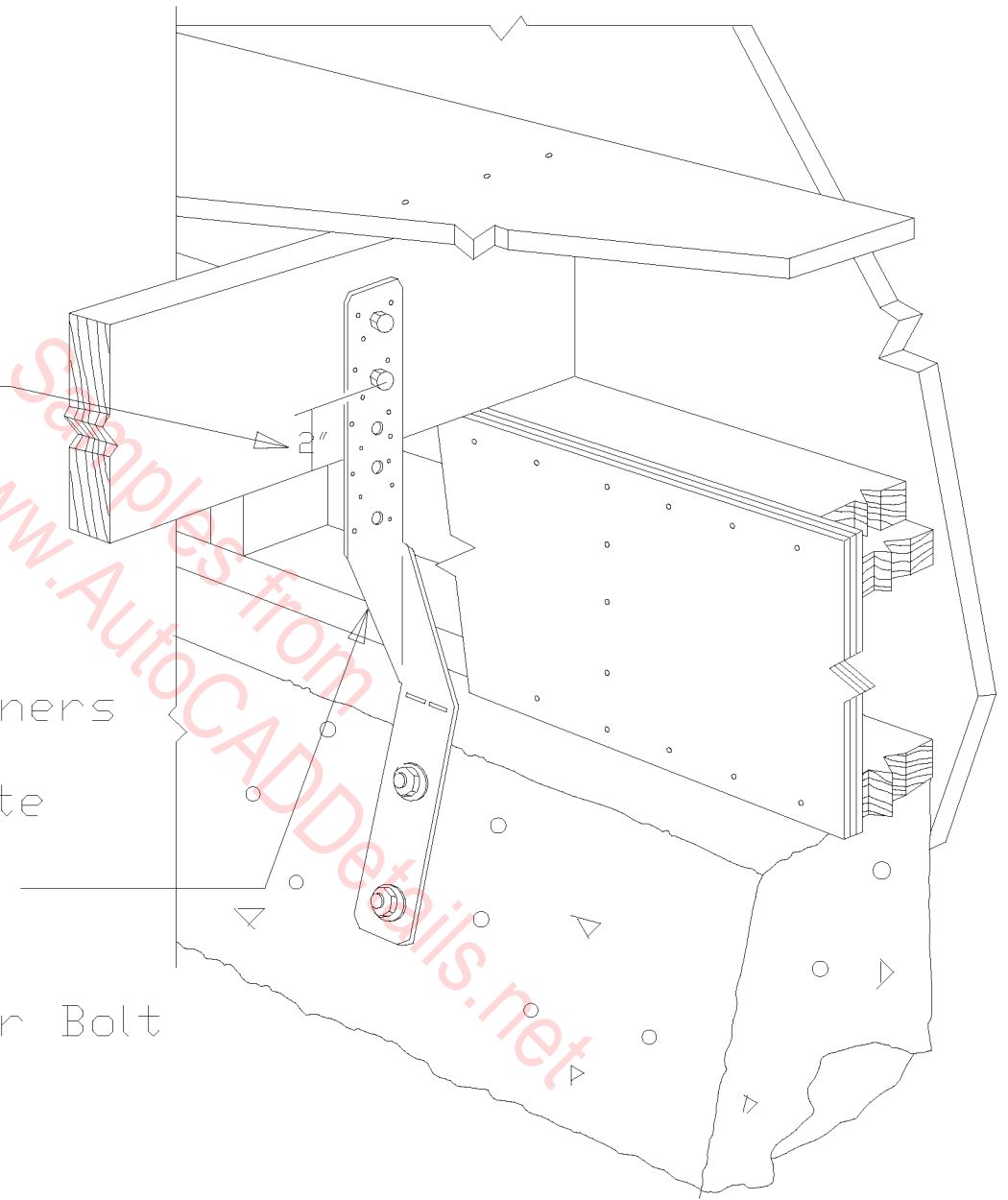


Min. of 2" to Bolt
Center

FSA ANCHOR Fasteners

TO Stud/joist/plate
8-10dx1 1/2

TO Foundation
2--RFB#4X6 Anchor Bolt
& Epoxy



FOUNDATION TO FLOOR JOIST
(RETROFIT)