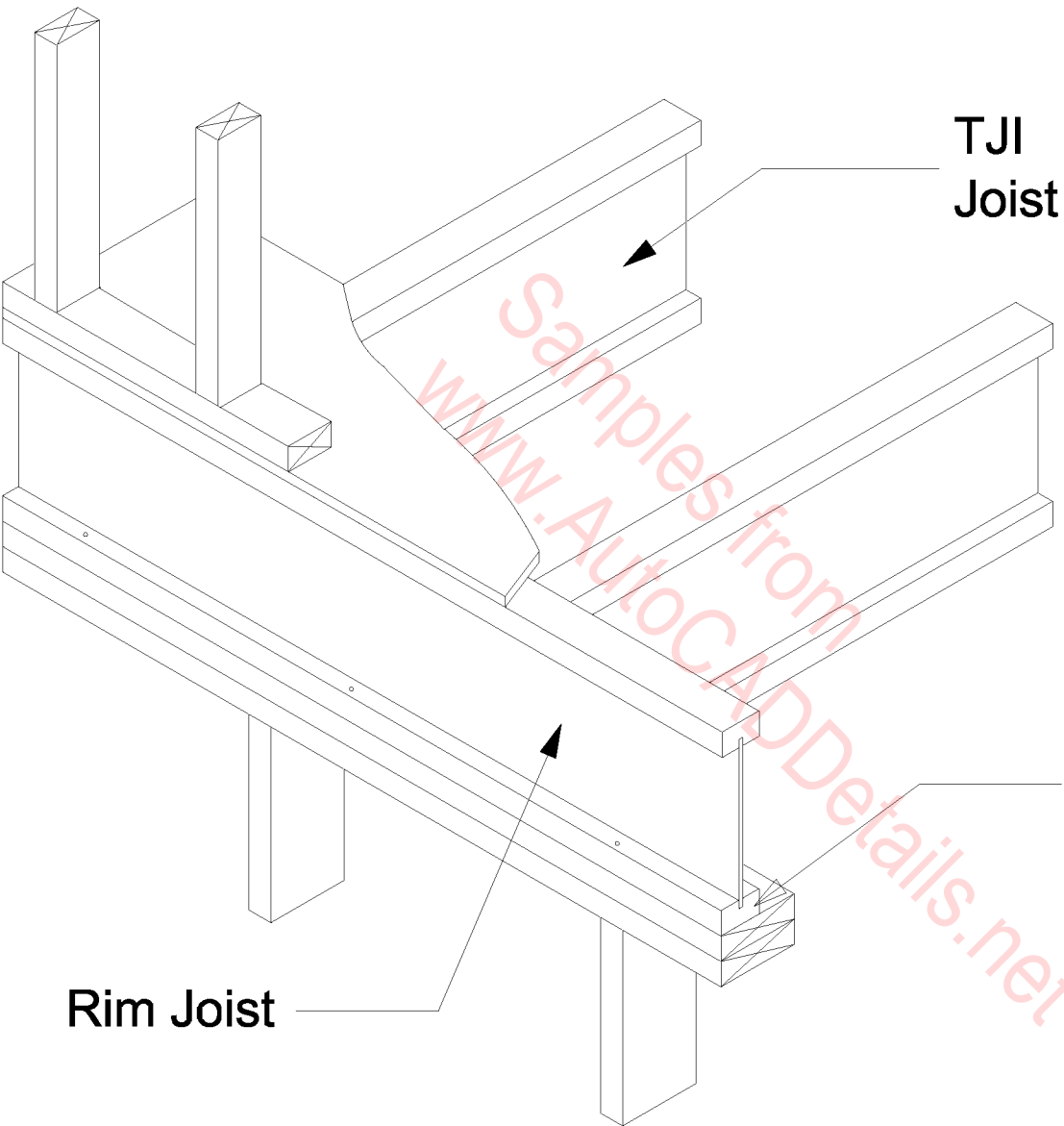


BLOCKING PANEL



TJI
Joist

Rim Joist

Must have 1 3/4"
minimum joist bearing
at ends

A2 RIM JOIST

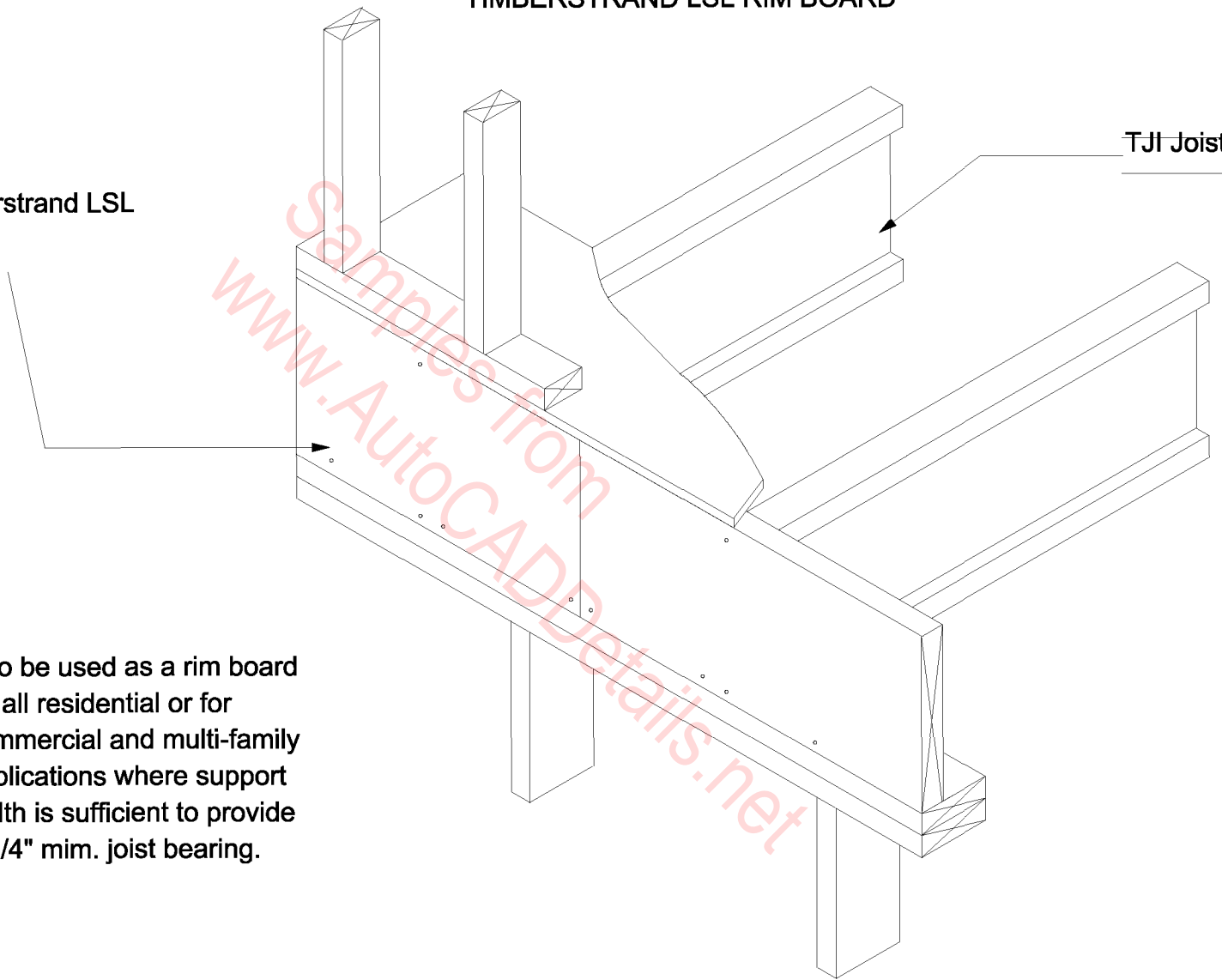
TIMBERSTRAND LSL RIM BOARD

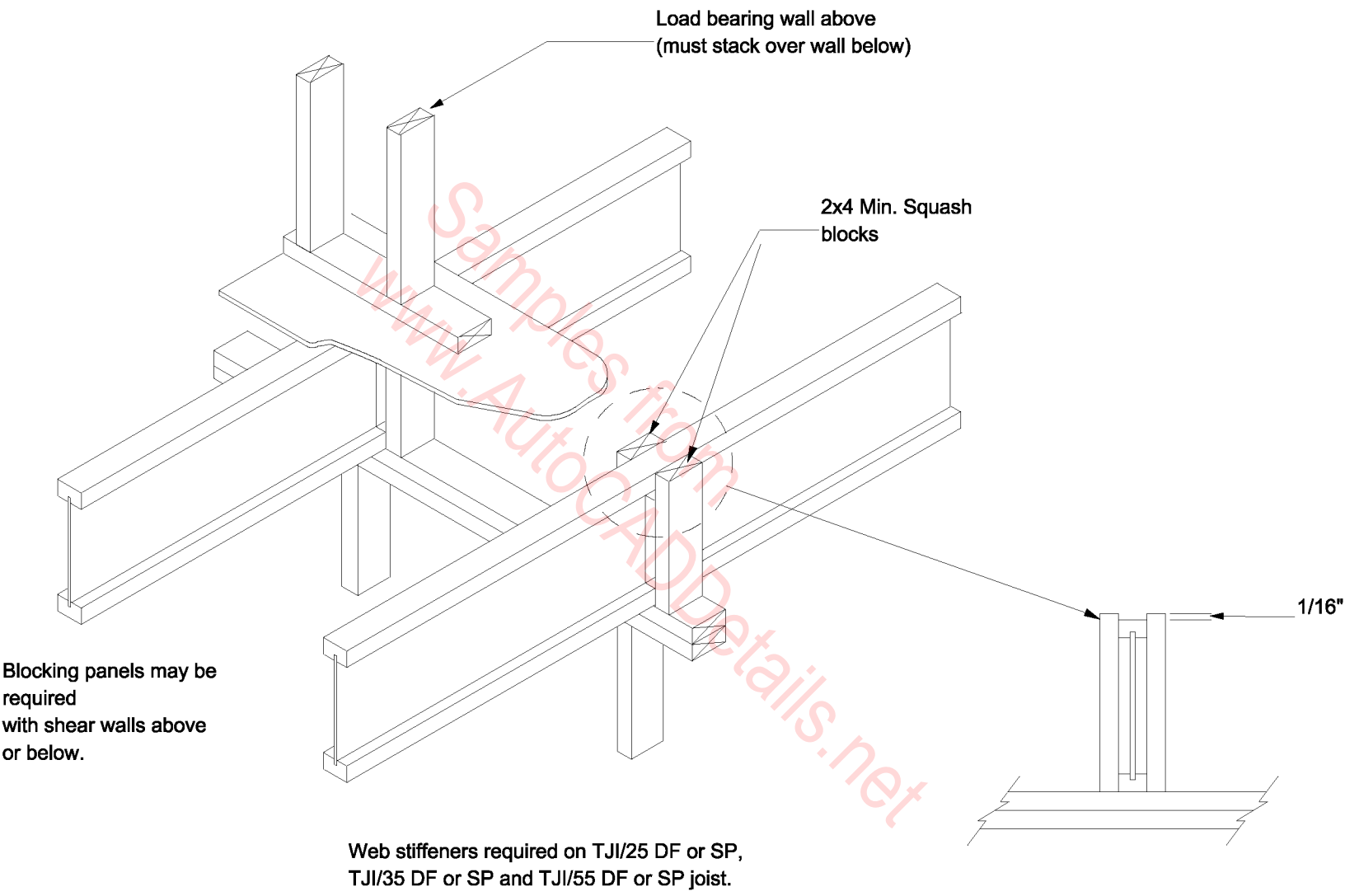
**1 1/4" Timberstrand LSL
RIM BOARD**

TJI Joist

also be used as a rim board
for all residential or for
commercial and multi-family
applications where support
width is sufficient to provide
2 1/4" mim. joist bearing.

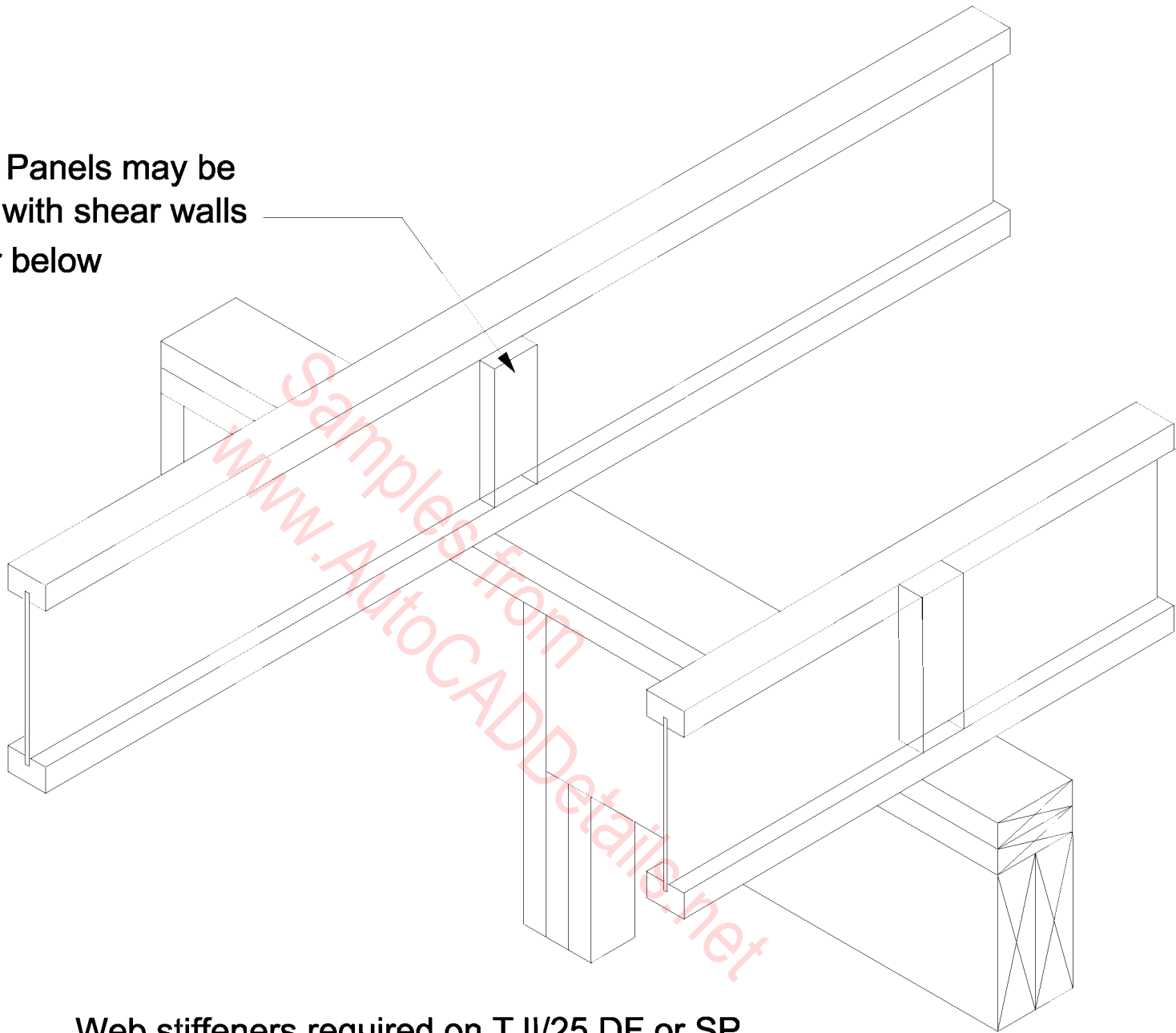
RIM BOARD





B2 Intermediate Bearing- Load Bearing Wall Above

Blocking Panels may be required with shear walls above or below

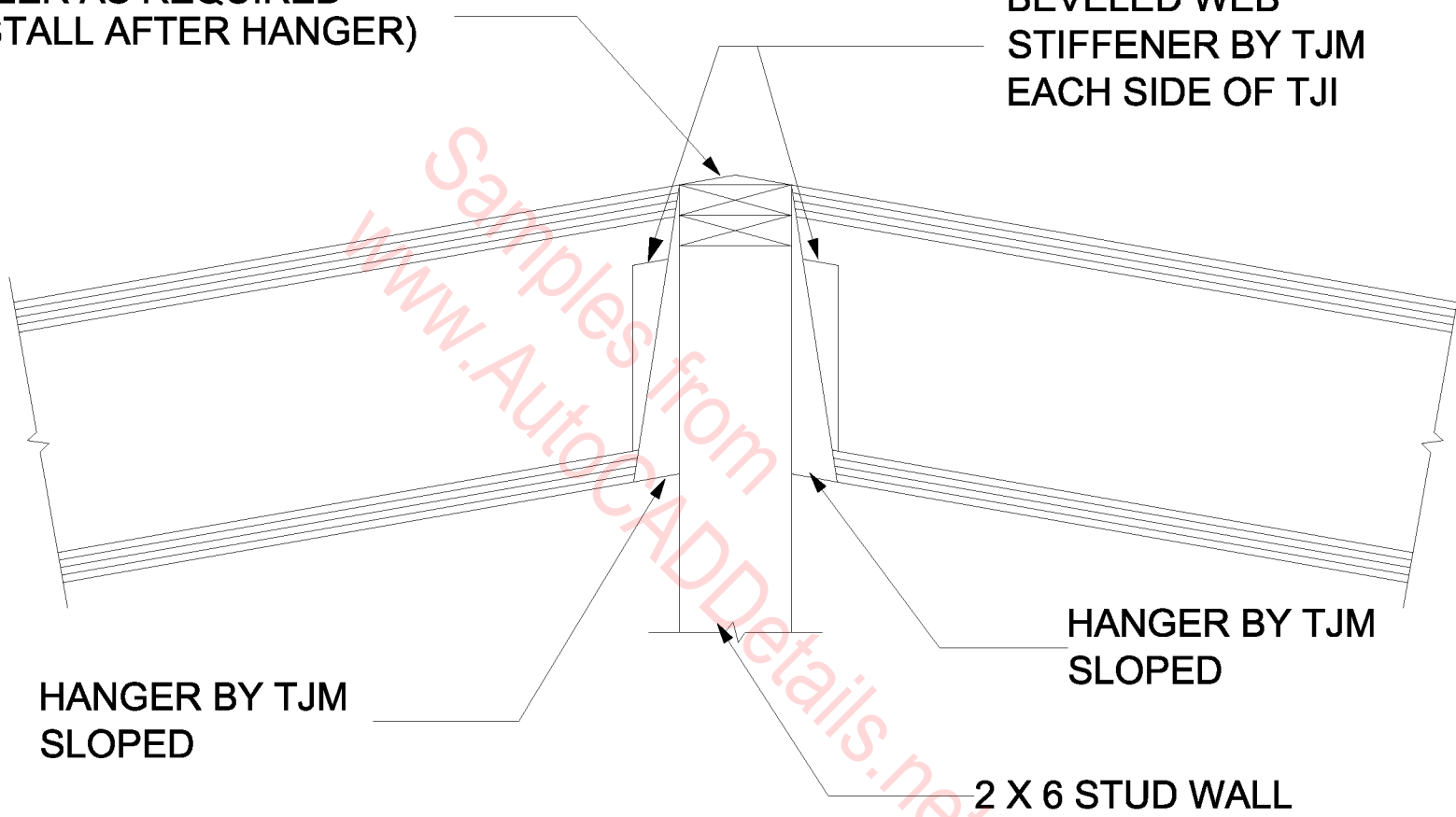


Web stiffeners required on TJI/25 DF or SP
TJI/35 DF or SP and TJI/55 or SP joists .

B3 TJI Intermediate Bearing-
No load wall above

FILLER AS REQUIRED
(INSTALL AFTER HANGER)

BEVELED WEB
STIFFENER BY TJM
EACH SIDE OF TJI

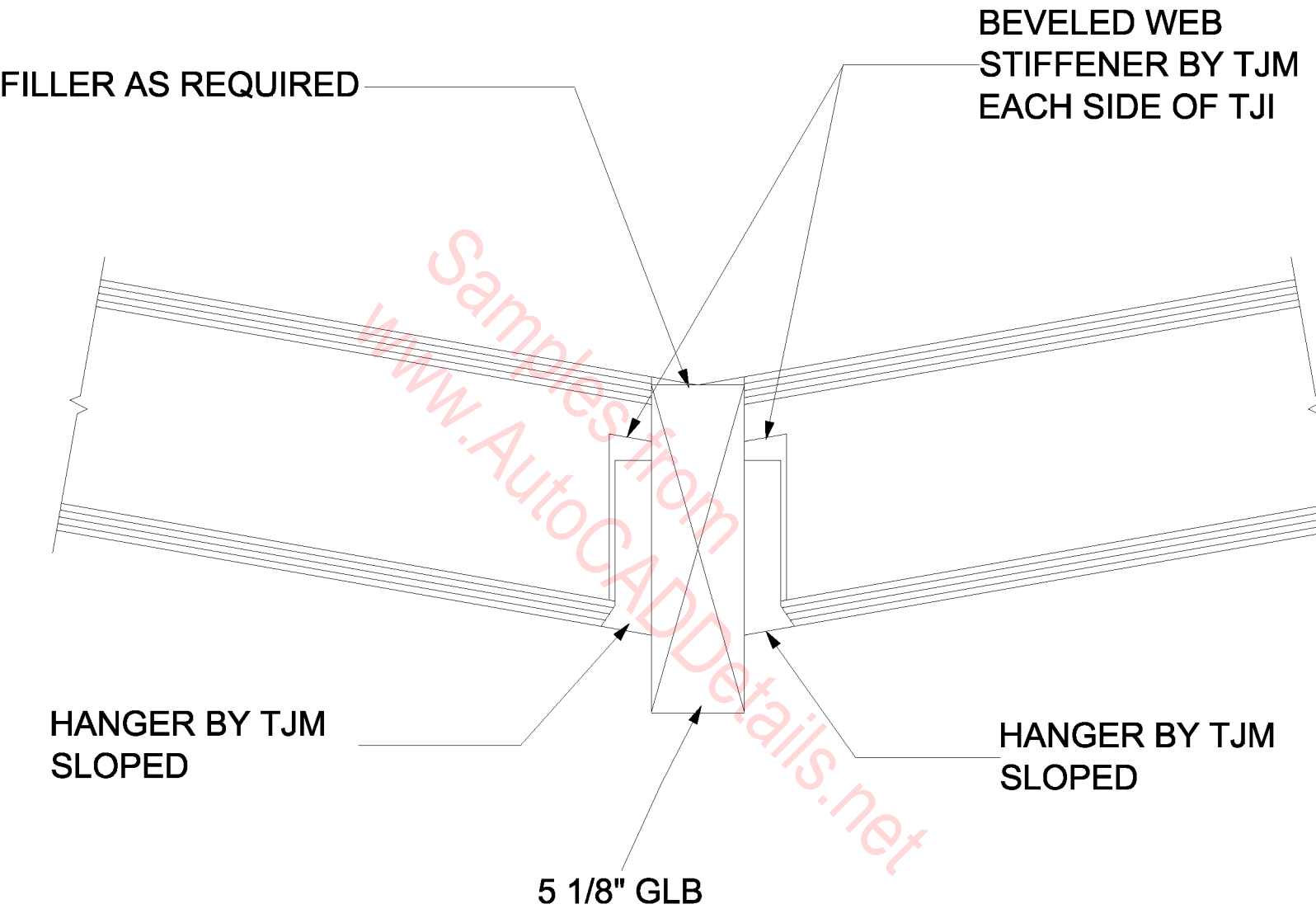


HANGER BY TJM
SLOPED

HANGER BY TJM
SLOPED

2 X 6 STUD WALL

**BOTH SIDES TOP FLANGE HANGER
STUD WALL RIDGE**



**BOTH SIDES FACE MOUNT HANGER WOOD
BEAM VALLEY**

BEVELED WEB
STIFFENER BY
TJM EACH SIDE OF
TJI.

BLOCKING
PANEL BY TJM

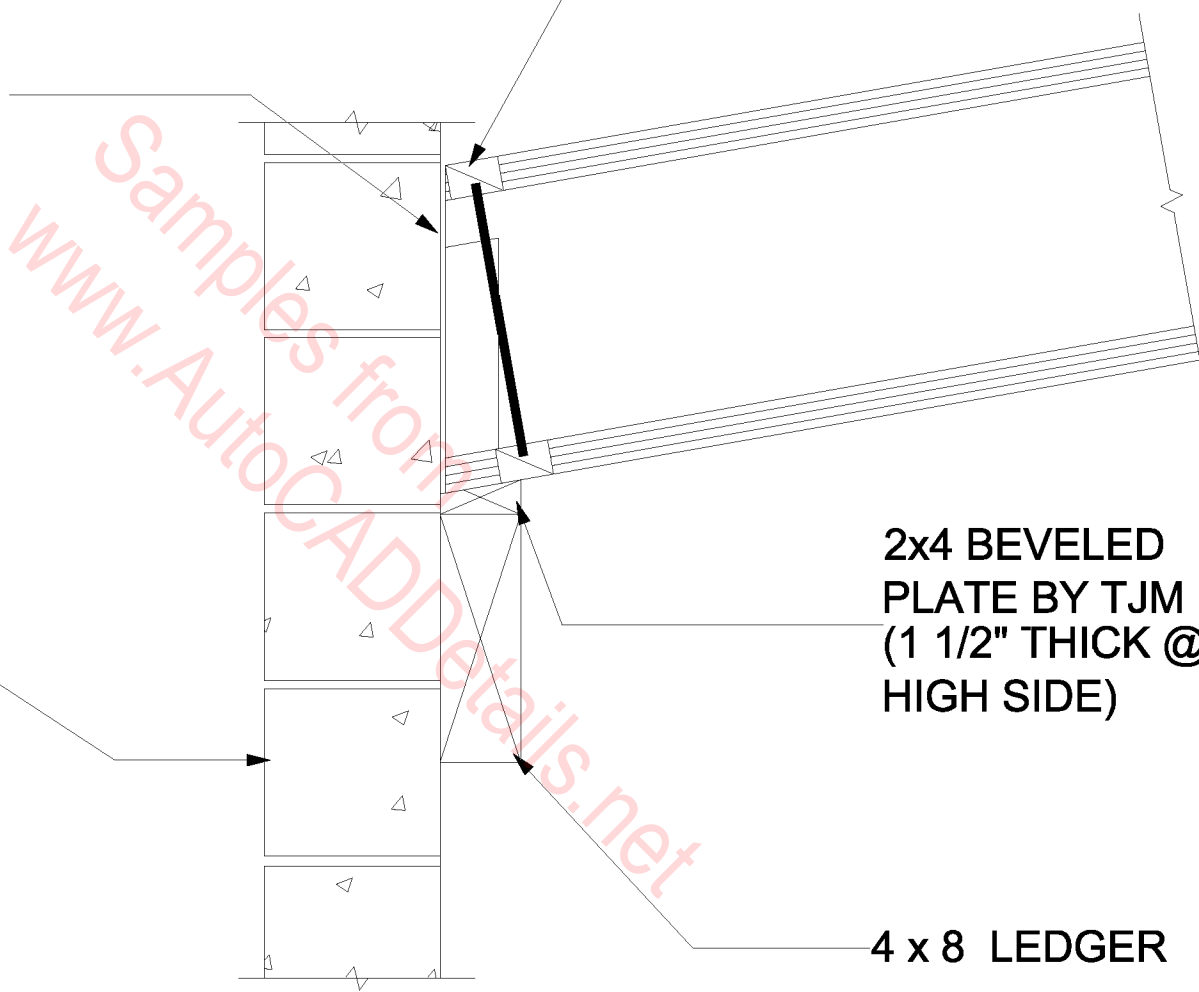
8" CMU WALL

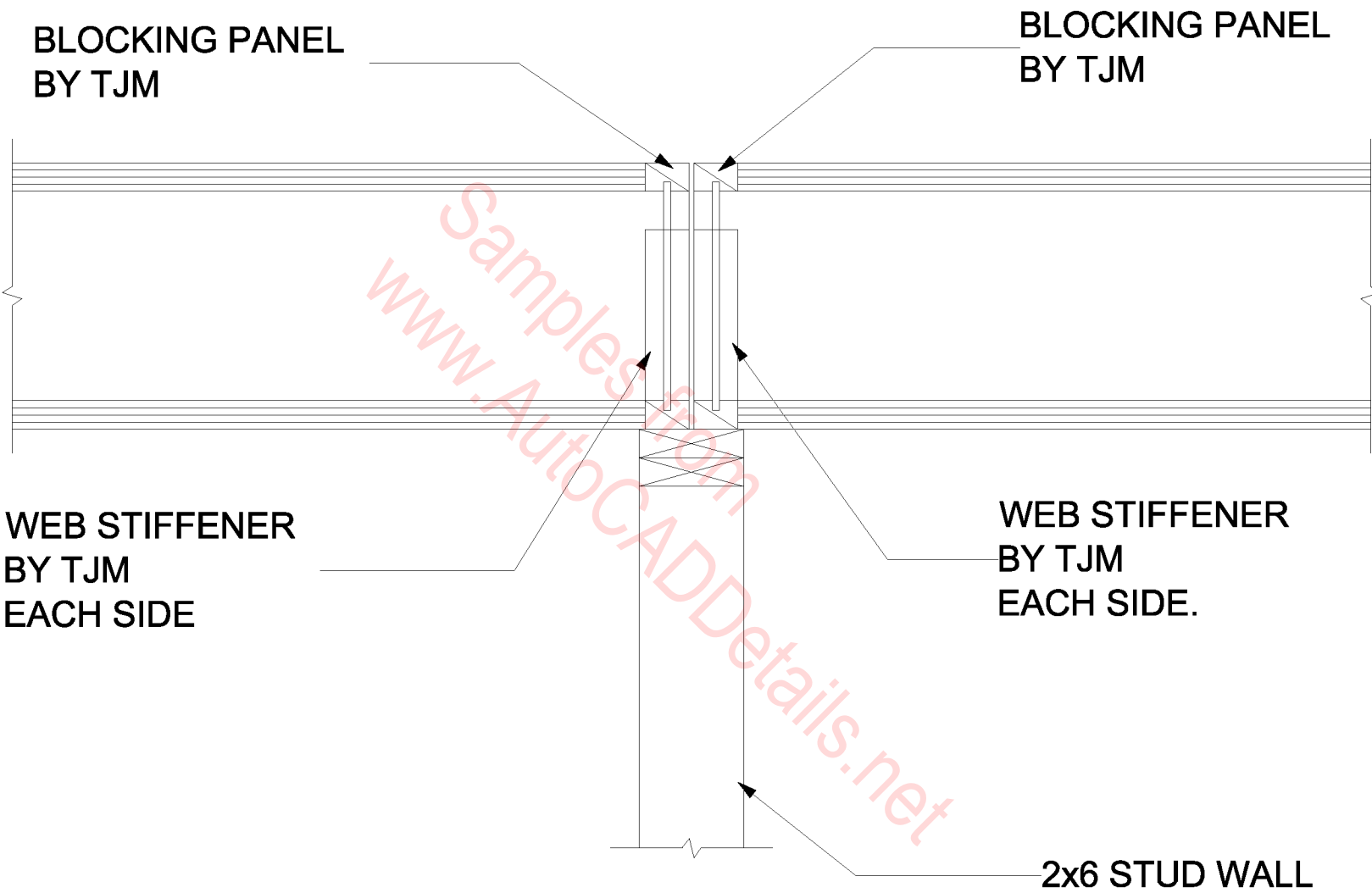
2x4 BEVELED
PLATE BY TJM
(1 1/2" THICK @
HIGH SIDE)

4 x 8 LEDGER

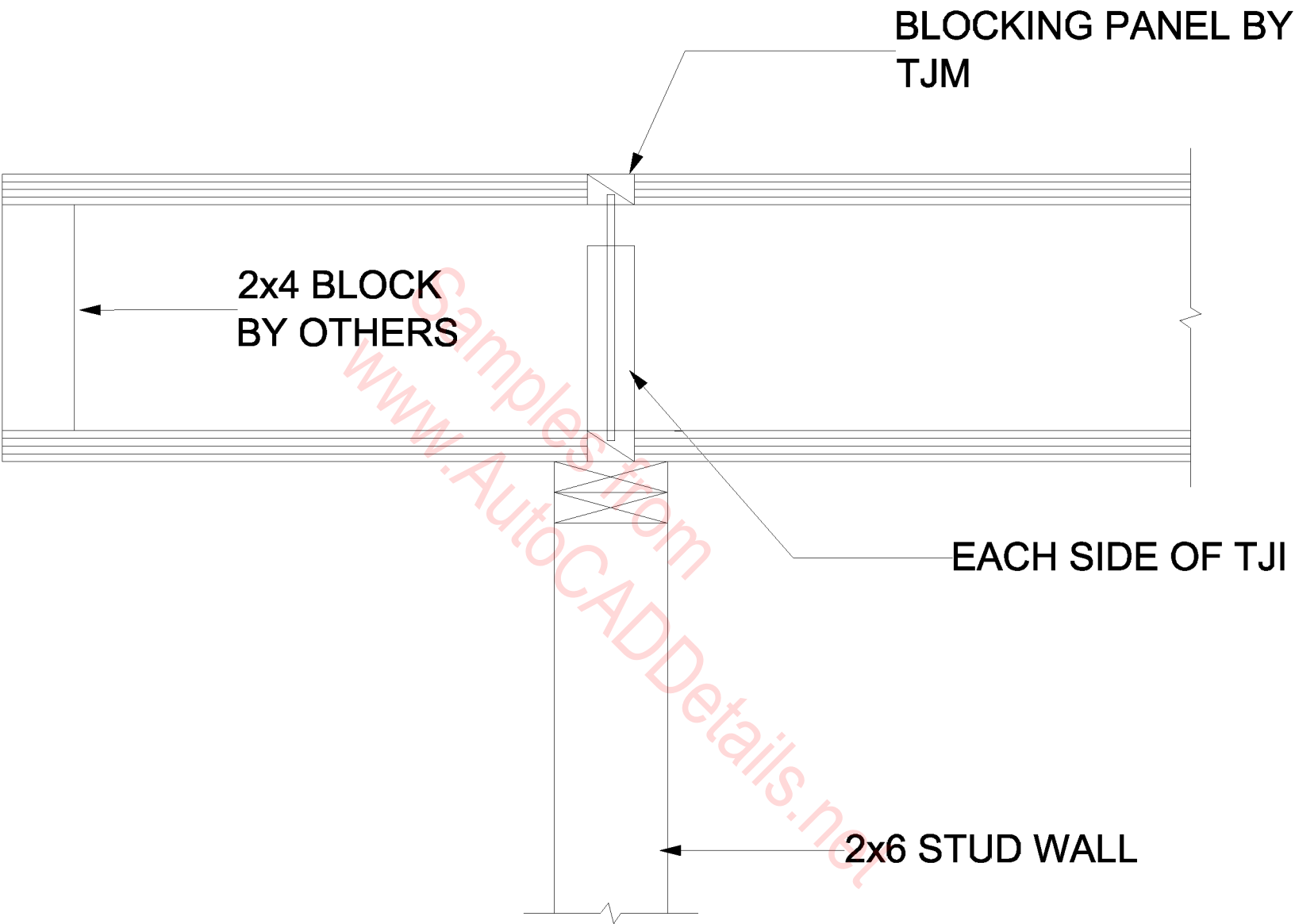
Samples from
www.AutocADDetails.net

BOTTOM BEARING LEDGER SLOPED LOW END





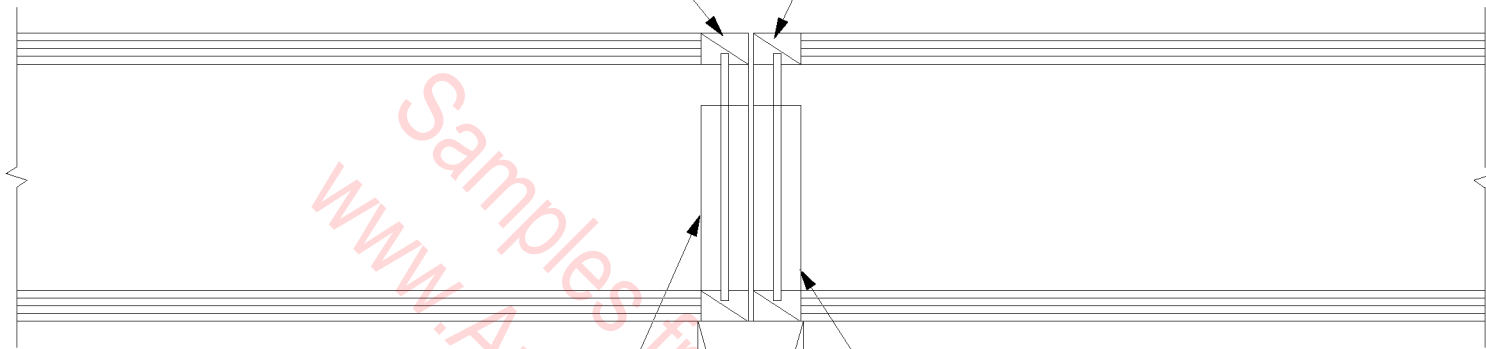
**BOTTOM BEARING STUD WALL 2
JOIST BUTTING**



**BOTTOM BEARING STUD WALL
CANTILEVER**

BLOCKING PANEL BY TJM

BLOCKING PANEL BY TJM

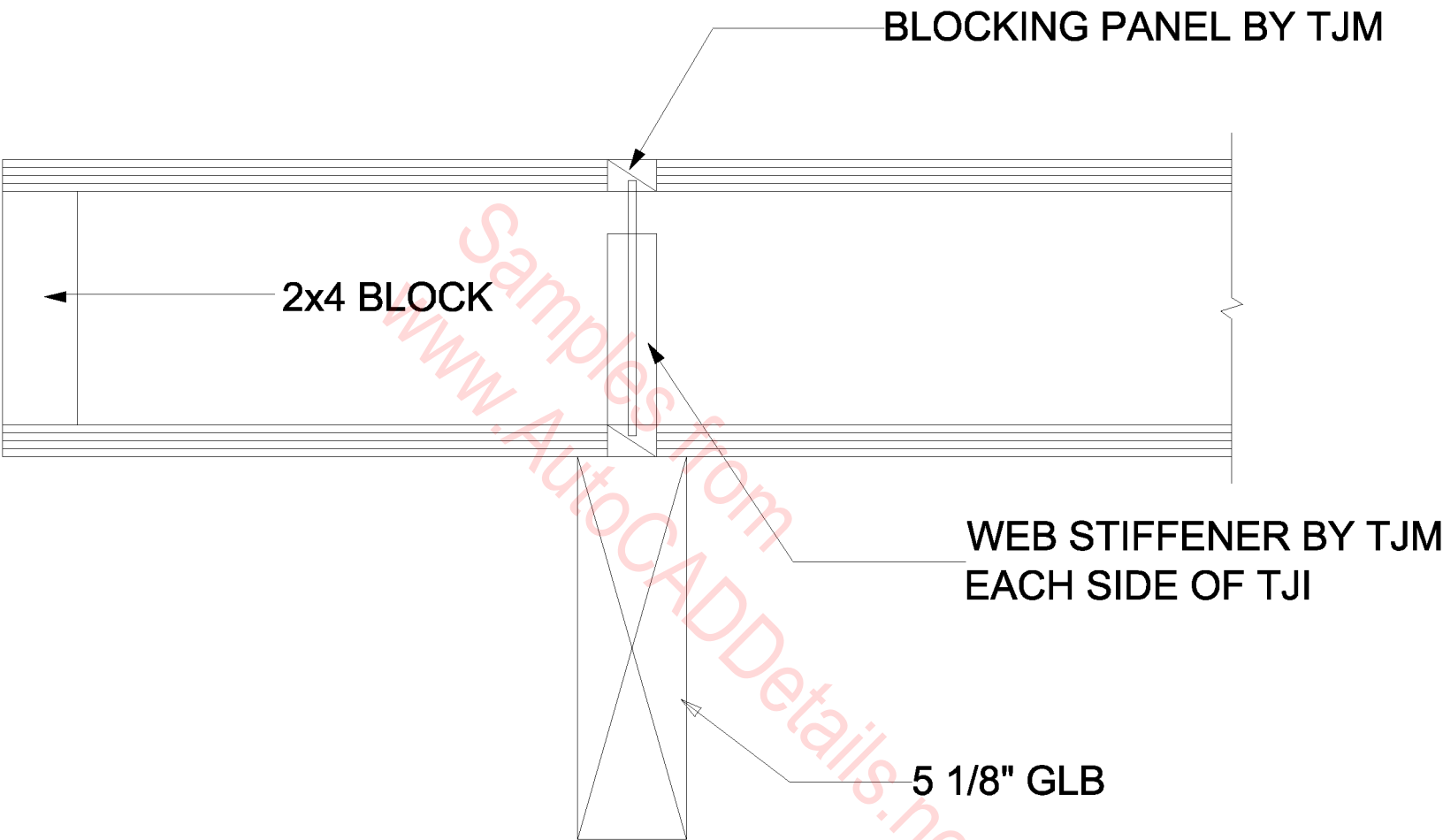


WEB STIFFENER BY TJM
EACH SIDE

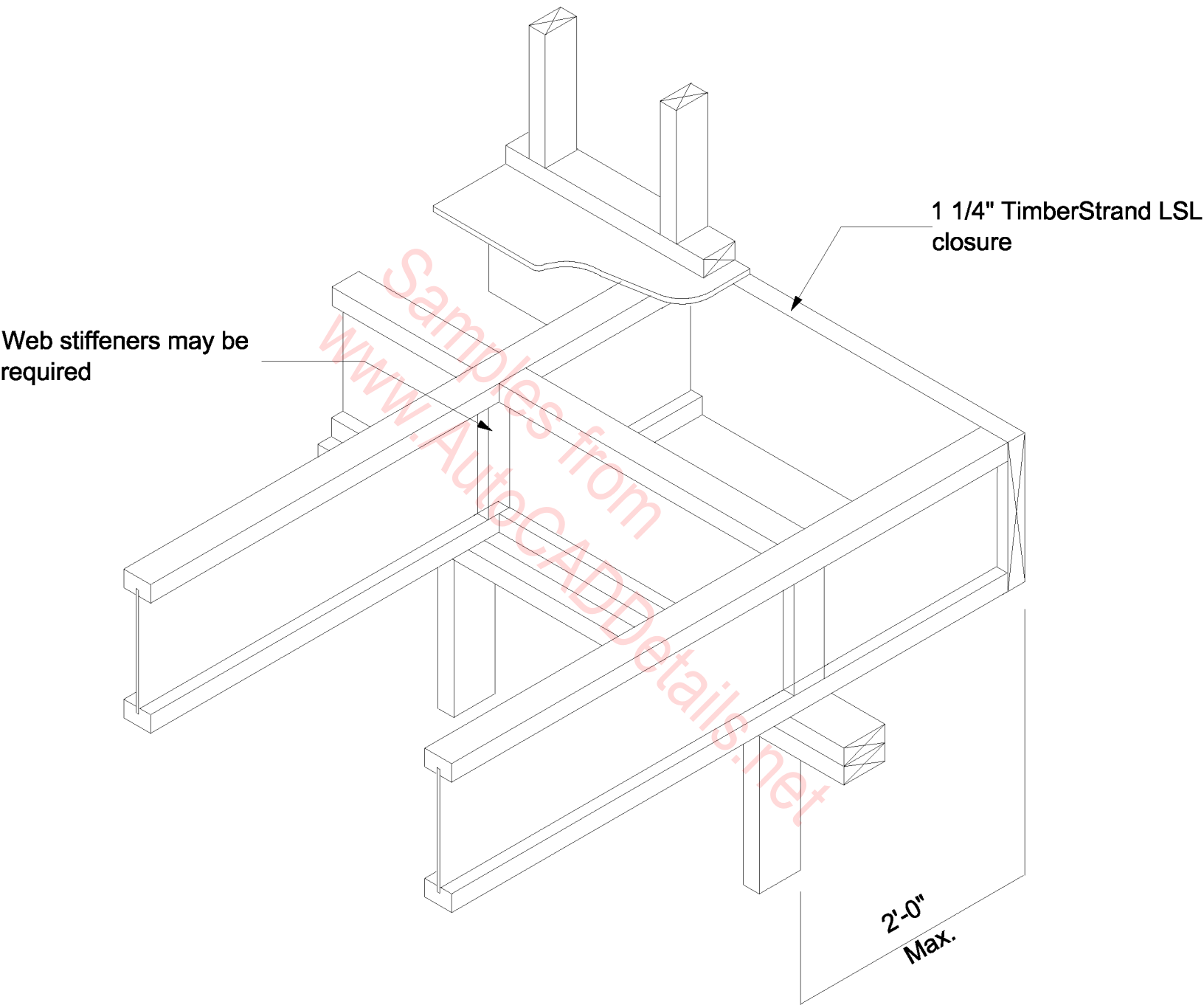
WEB STIFFENER BY TJM
EACH SIDE.

5 1/8" GLB

**BOTTOM BEARING WOOD BEAM 2
JOIST BUTTING**

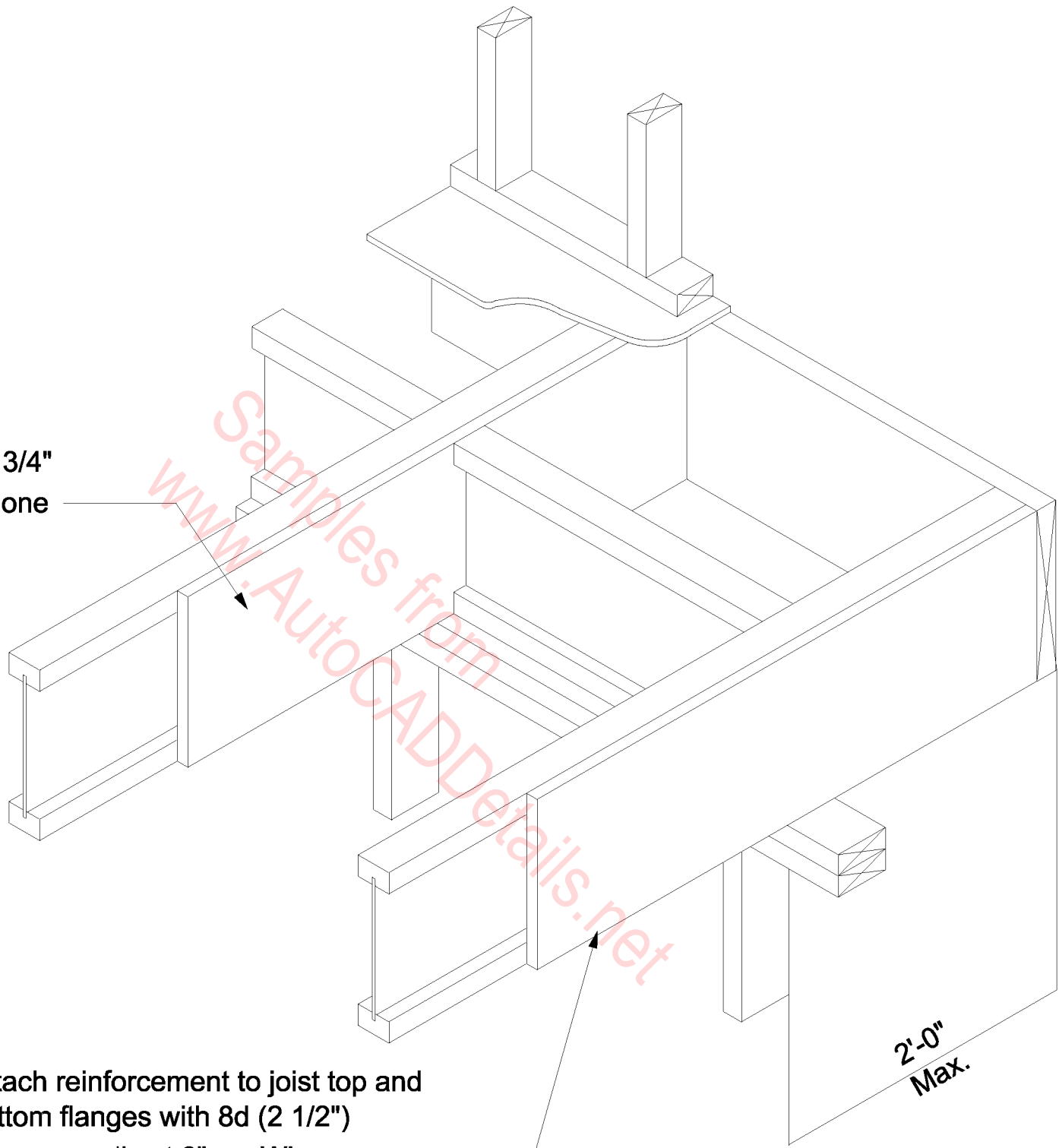


BOTTOM BEARING WOOD BEAM CANTILEVERED



E1 TJI Load Bearing Cantilever Detail

4'-0" length of 3/4"
reinforcement one
side of TJI

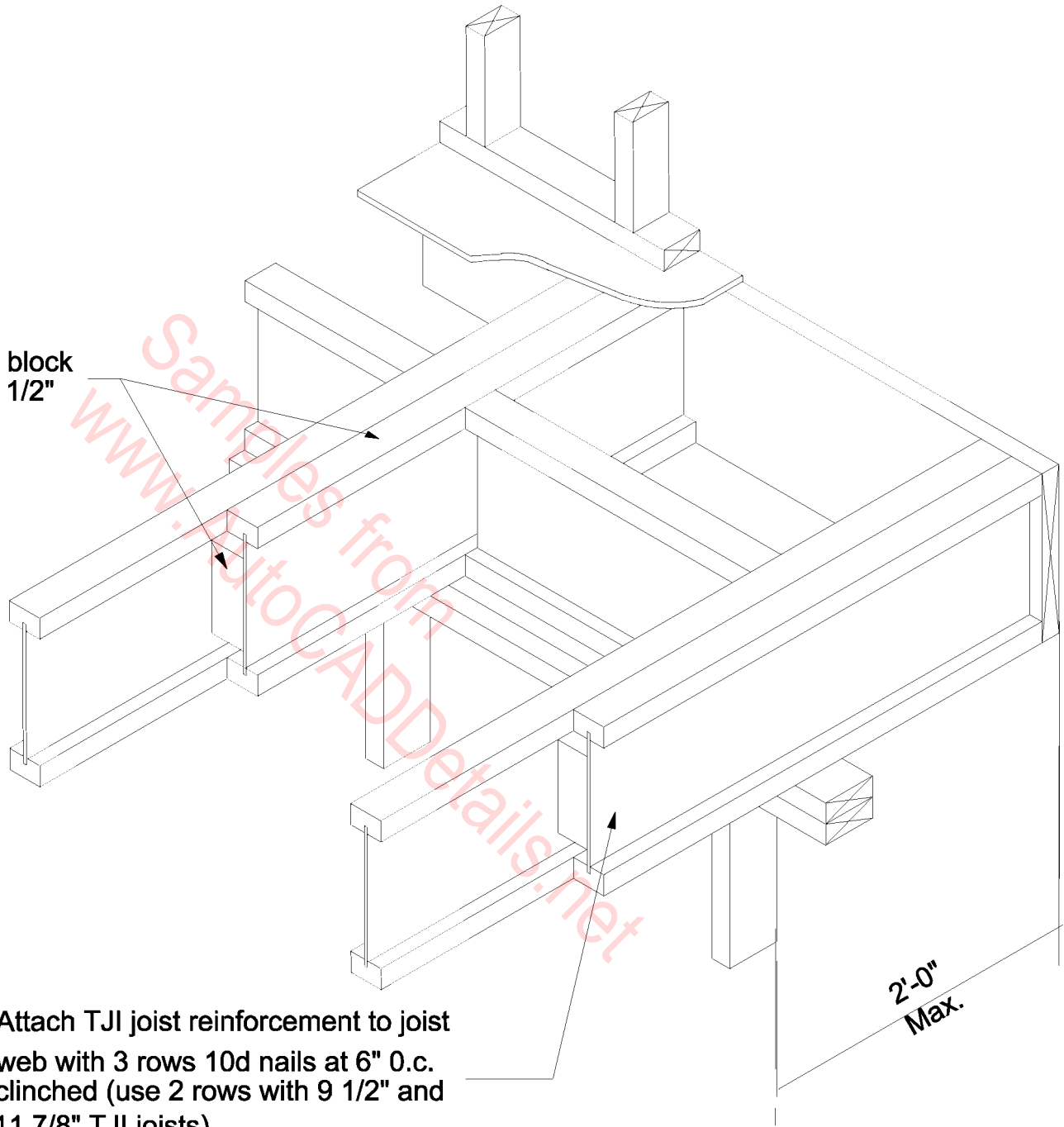


Attach reinforcement to joist top and
bottom flanges with 8d (2 1/2")
common nails at 6"o.c. When
reinforcing both sides , stagger nails
to avoid splitting.

2'-0"
Max.

E2 Load Bearing Cantilever Details

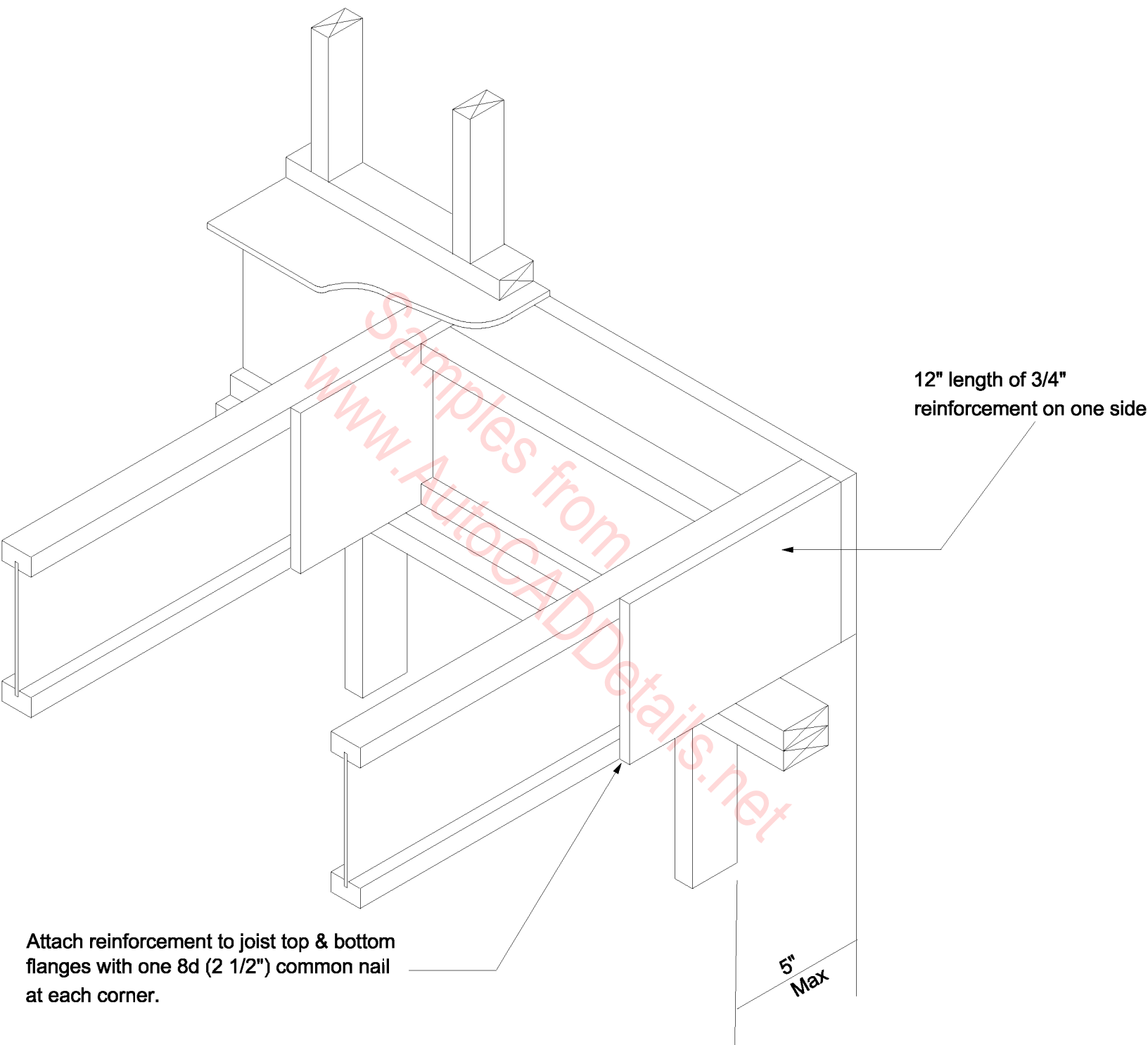
6'-0" length of TJI joist
reinforcement and filler block
(use 4'-0" length with 9 1/2"
and 11 7/8" TJI joists)



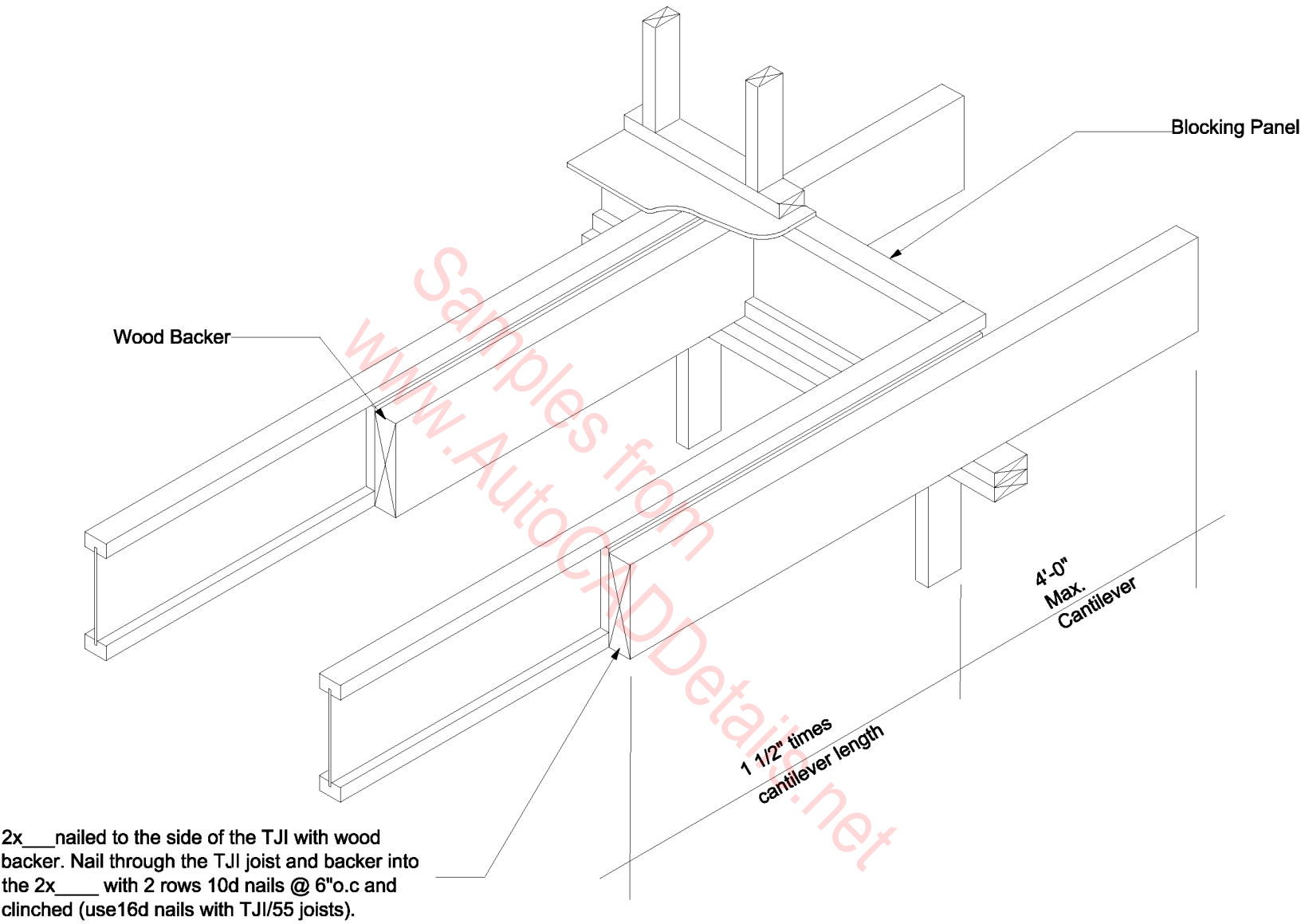
Attach TJI joist reinforcement to joist
web with 3 rows 10d nails at 6" O.c.
clinched (use 2 rows with 9 1/2"
and 11 7/8" TJI joists)

2'-0"
Max.

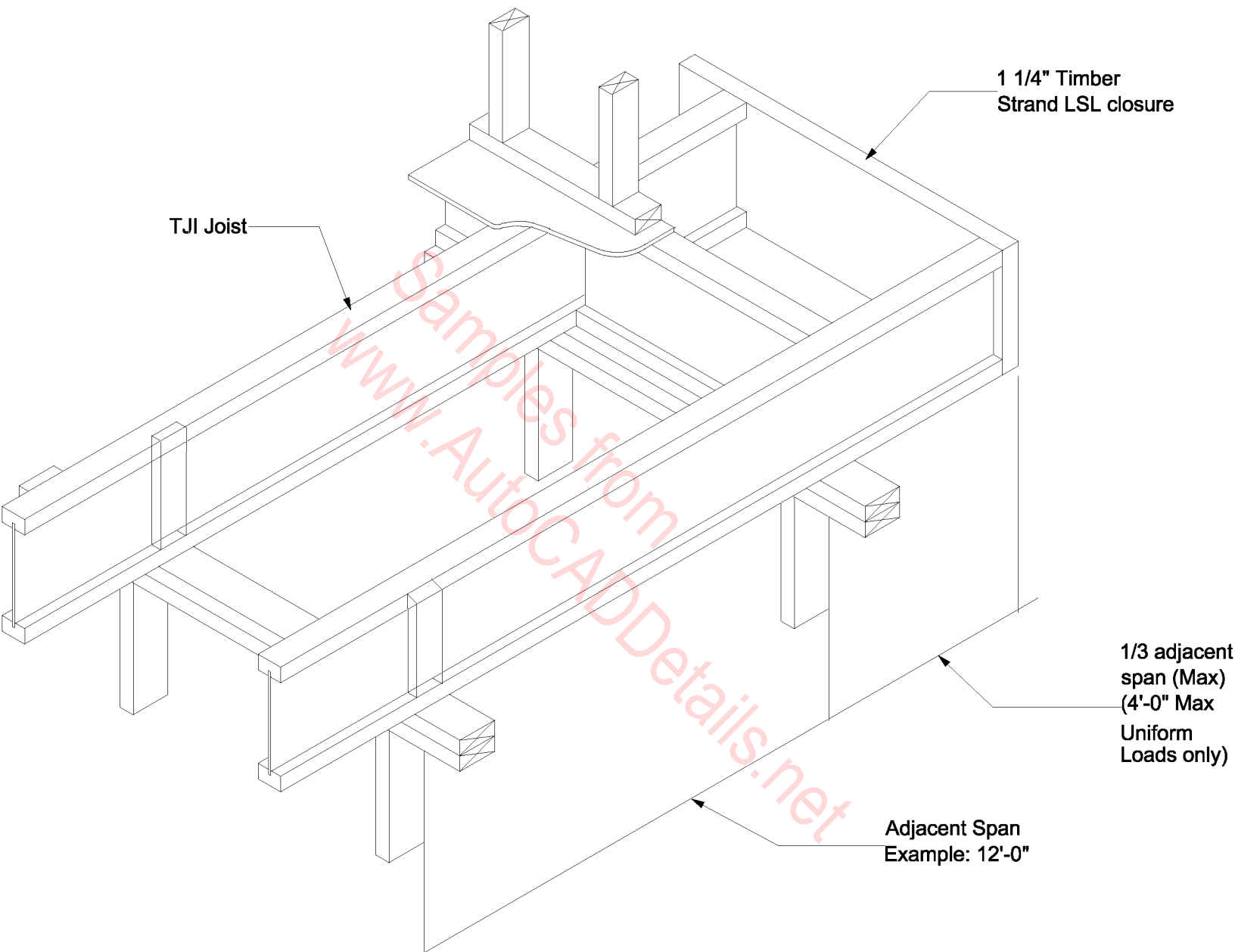
E4 TJI Floor Joist Details



E5 Load Bearing Cantilever Details

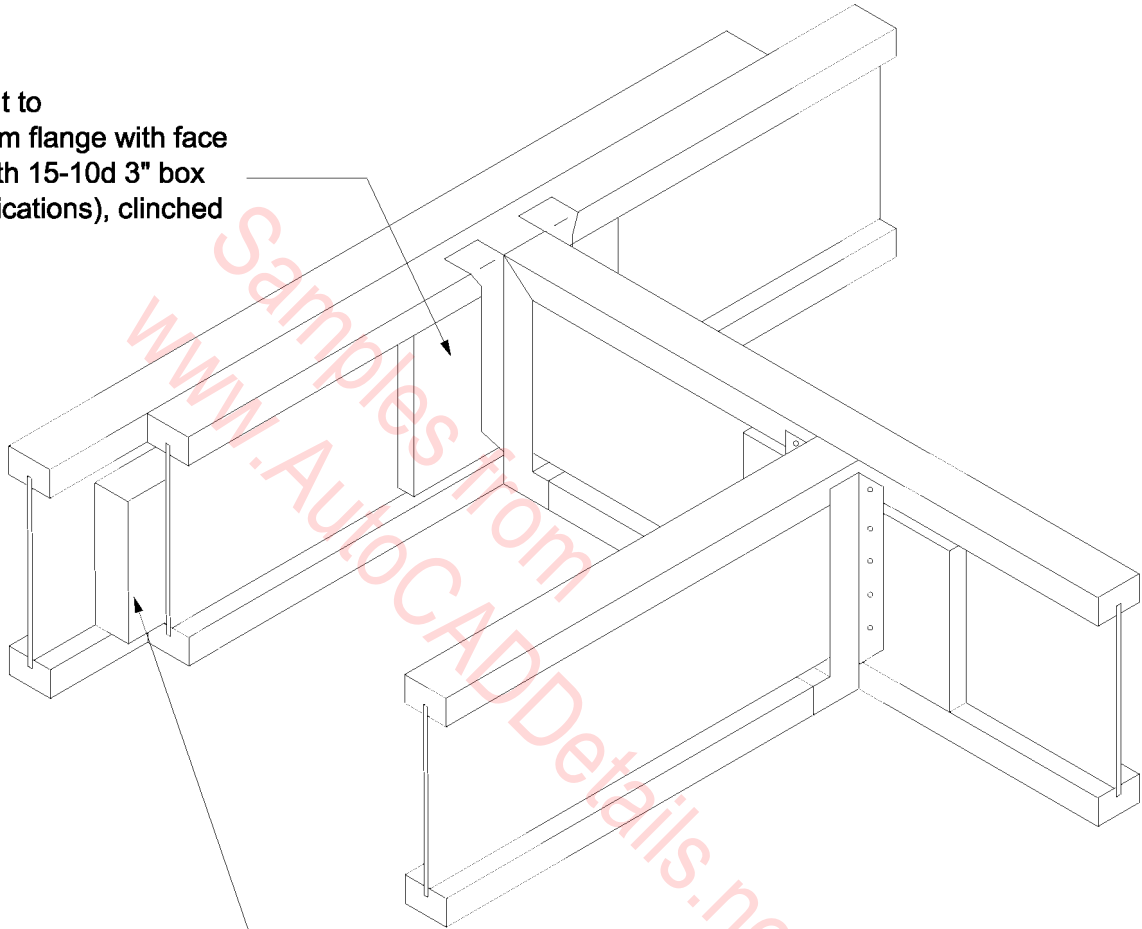


F1 TJI Non-Load Bearing Cantilever Details



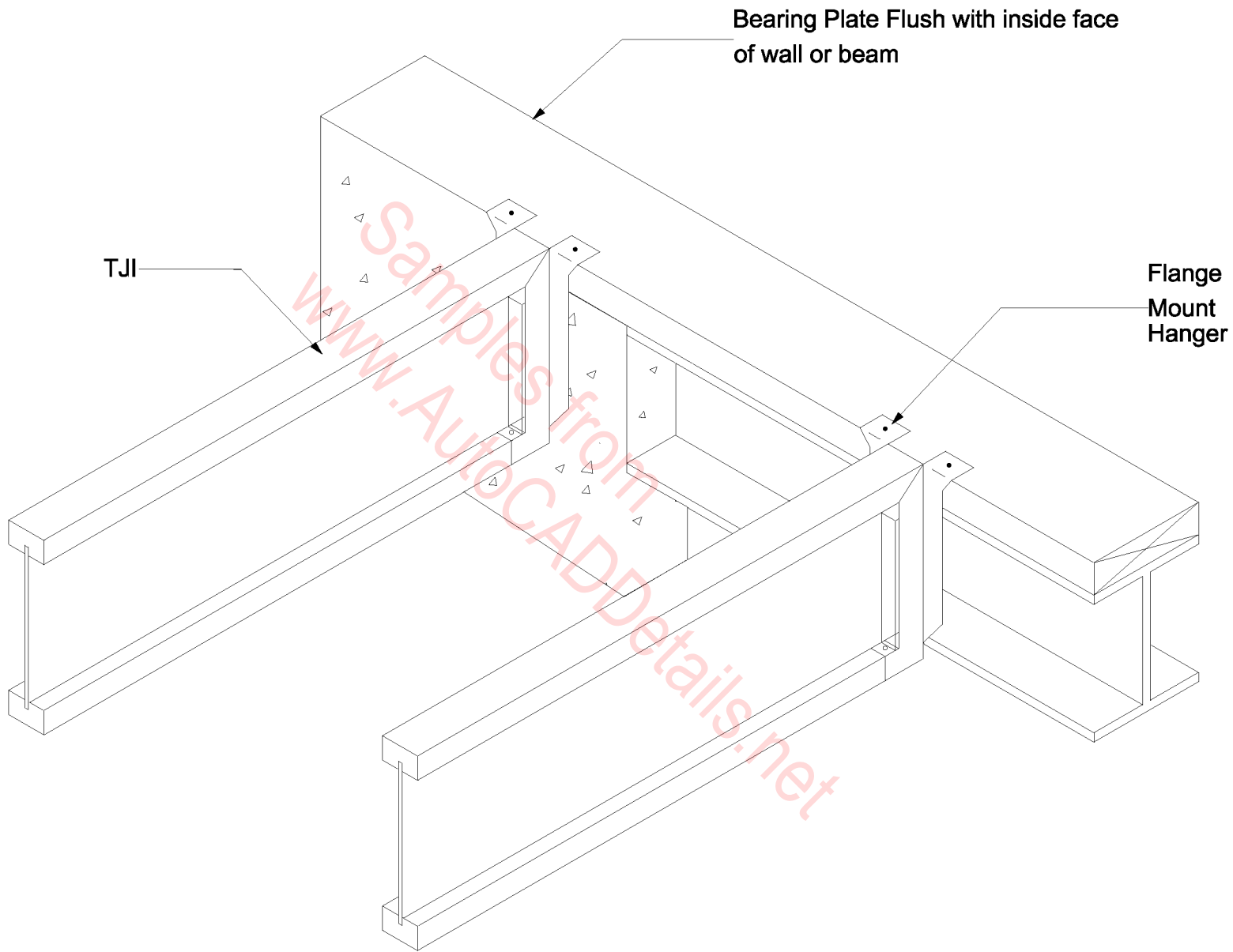
F2 TJI Non-Load Bearing Cantilever Detail

Backer block, install tight to top flange (tight to bottom flange with face mount hangers). Nail with 15-10d 3" box nails for residential applications), clinched when possible.



Filler block. Nail with 15-10d (3") box nails (10-10d (3") box nails for residential applications), clinched . Use 15-16d (3 1/2") box nails (10-16d (3 1/2") box nails for residential applications) from each side with TJI/55 DF or SP joists.

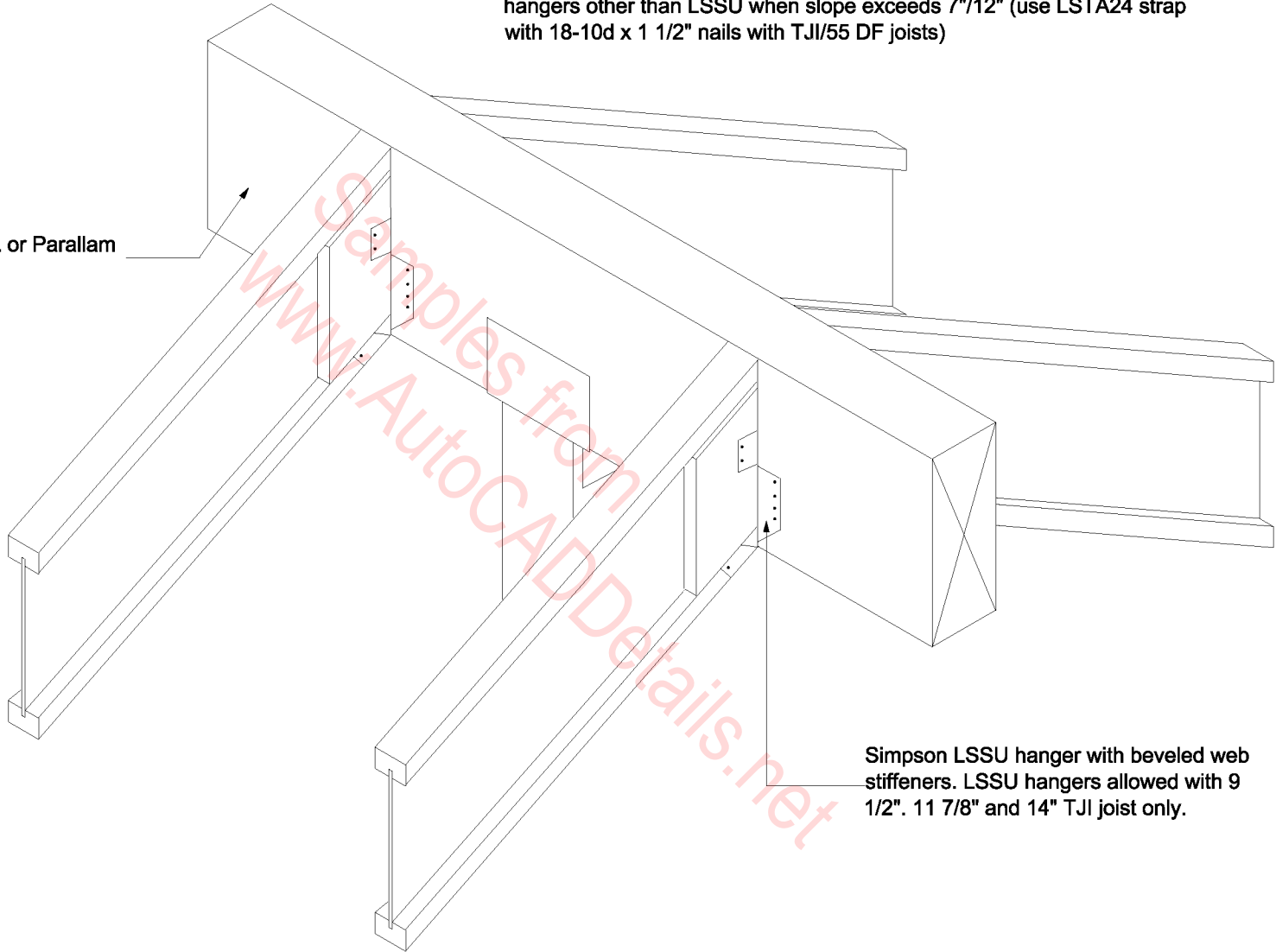
H2 TJI Floor Joist Details



H3 I-Beam with TJI Bearing plate flush with inside face of wall or beam

Simpson LSTA15 strap with 12-10d x 1 1/2" nails may be required with hangers other than LSSU when slope exceeds 7"/12" (use LSTA24 strap with 18-10d x 1 1/2" nails with TJI/55 DF joists)

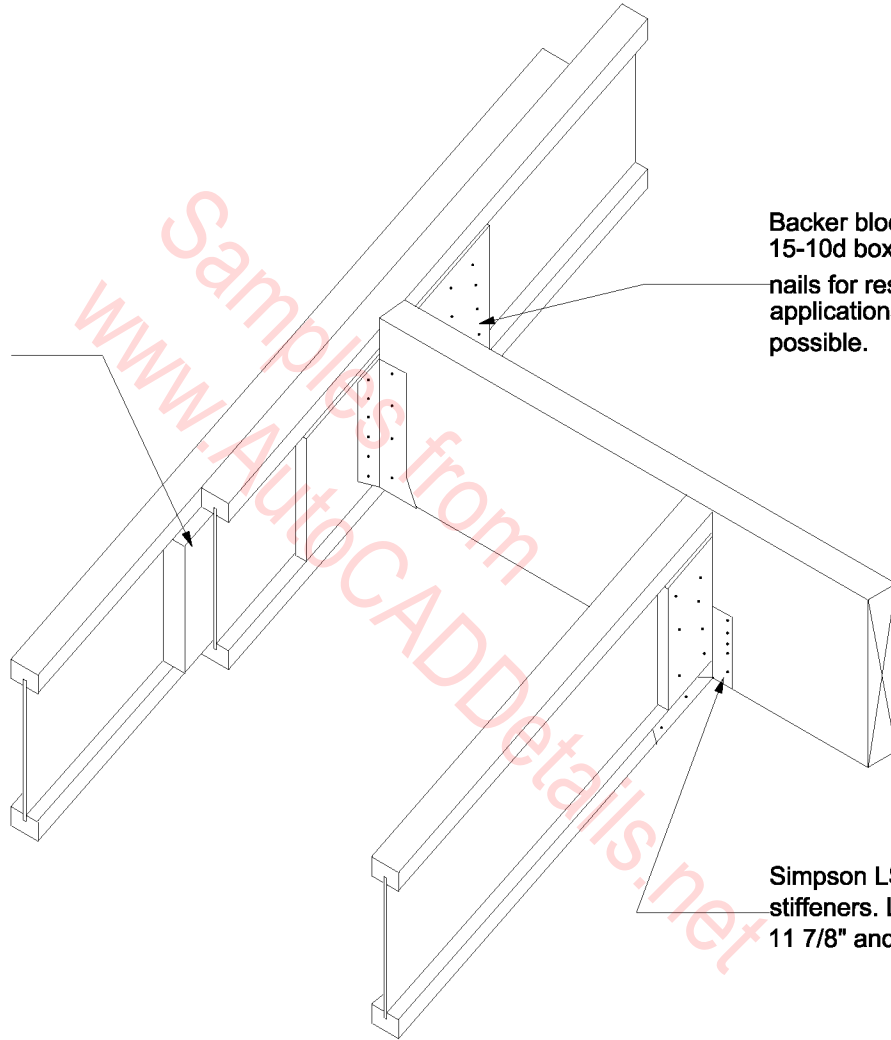
Microllam LVL or Parallam PSL Beam



Simpson LSSU hanger with beveled web stiffeners. LSSU hangers allowed with 9 1/2", 11 7/8" and 14" TJI joist only.

H5 TJI Joist Roof Details

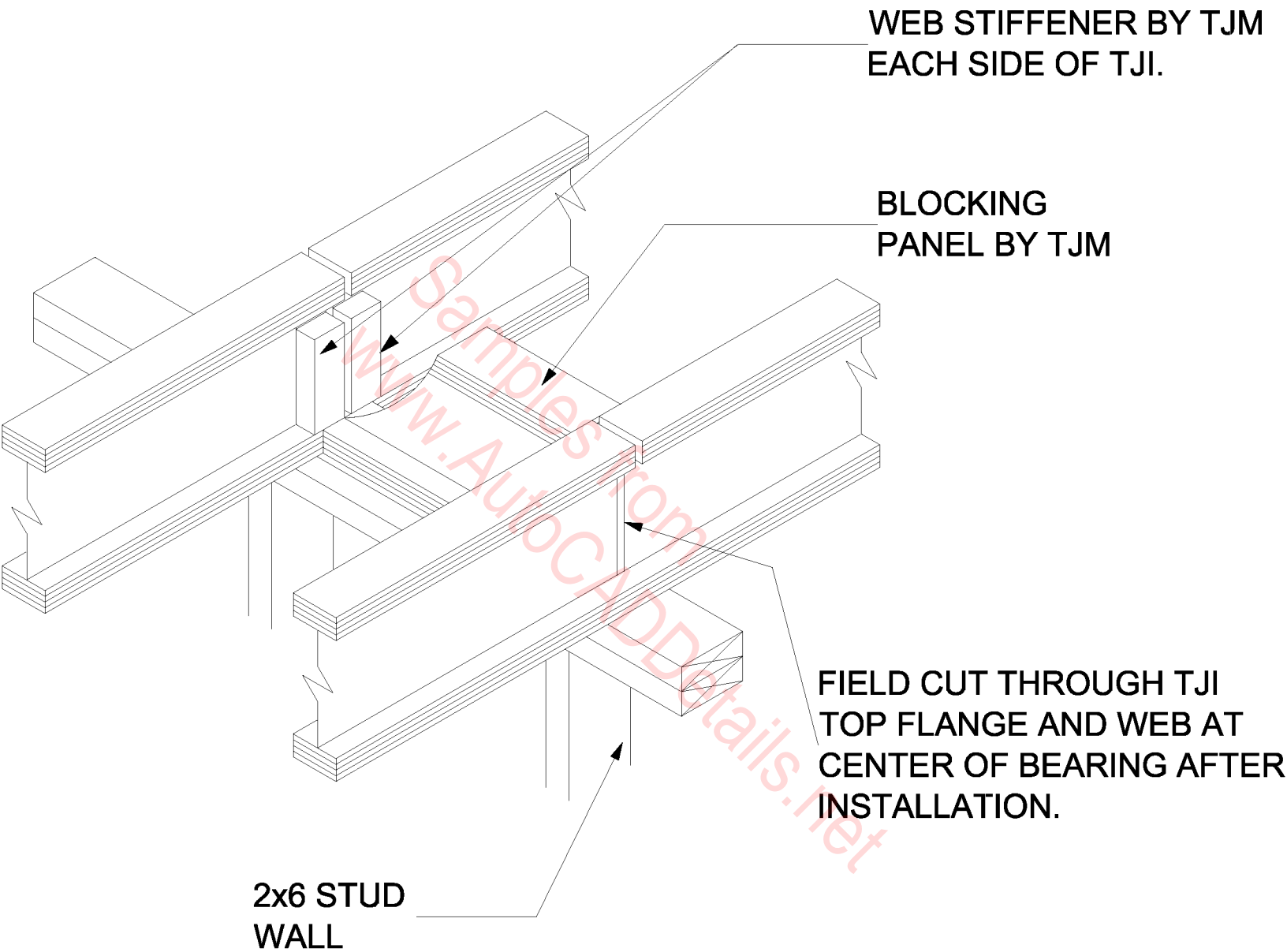
Filler block. Attach with 15-10d nails (10-10d box nails for residential applications), clinched. Use 15-16d box nails (10-16d box nails for residential application) from each side with TJI/55 DF joists.



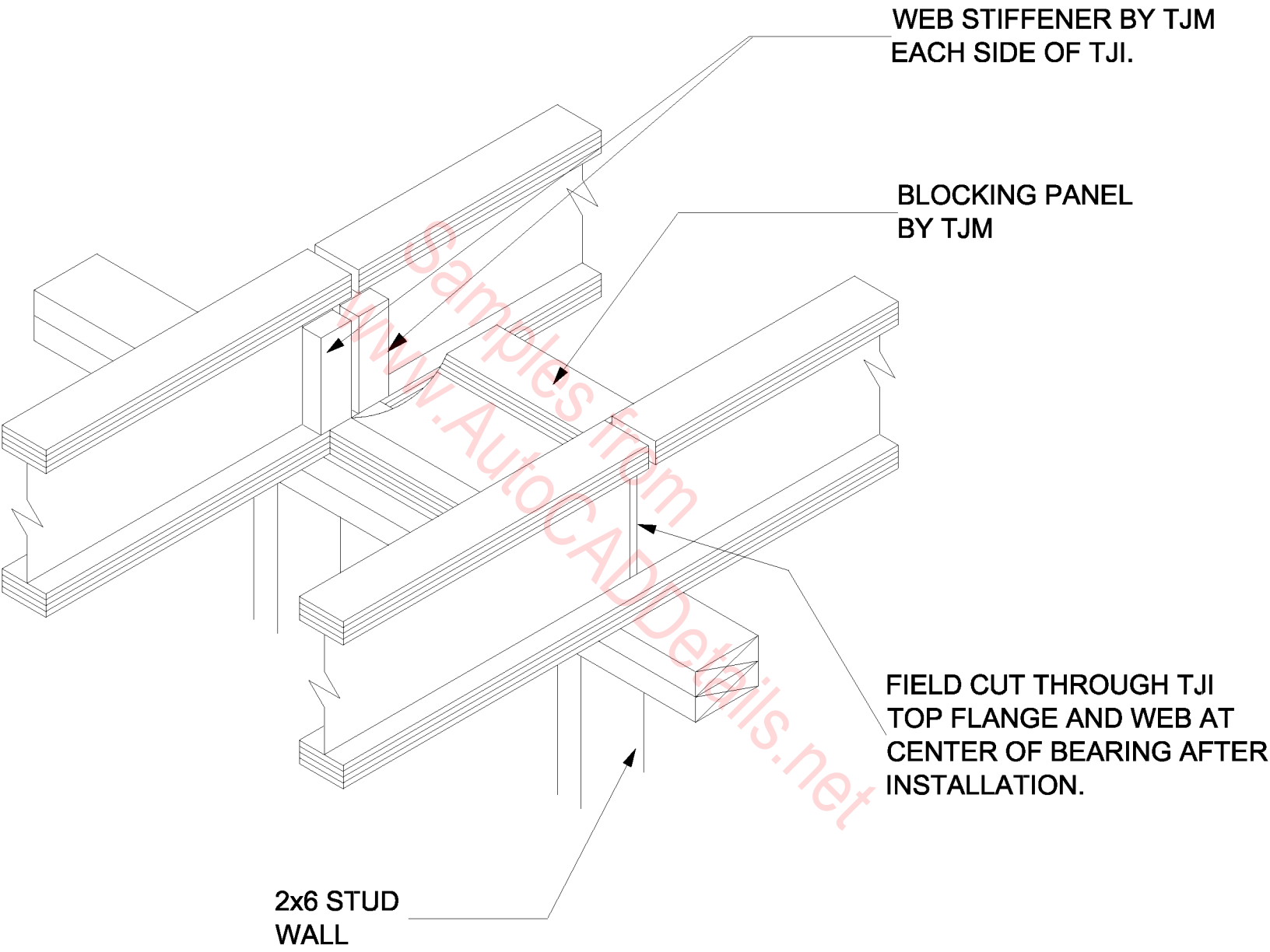
Backer block. Attach with 15-10d box nails (10-10d box nails for residential applications) clinched when possible.

Simpson LSSU hanger with beveled web stiffeners. LSSU hangers allowed with 9 1/2", 11 7/8" and 14" TJI joist only.

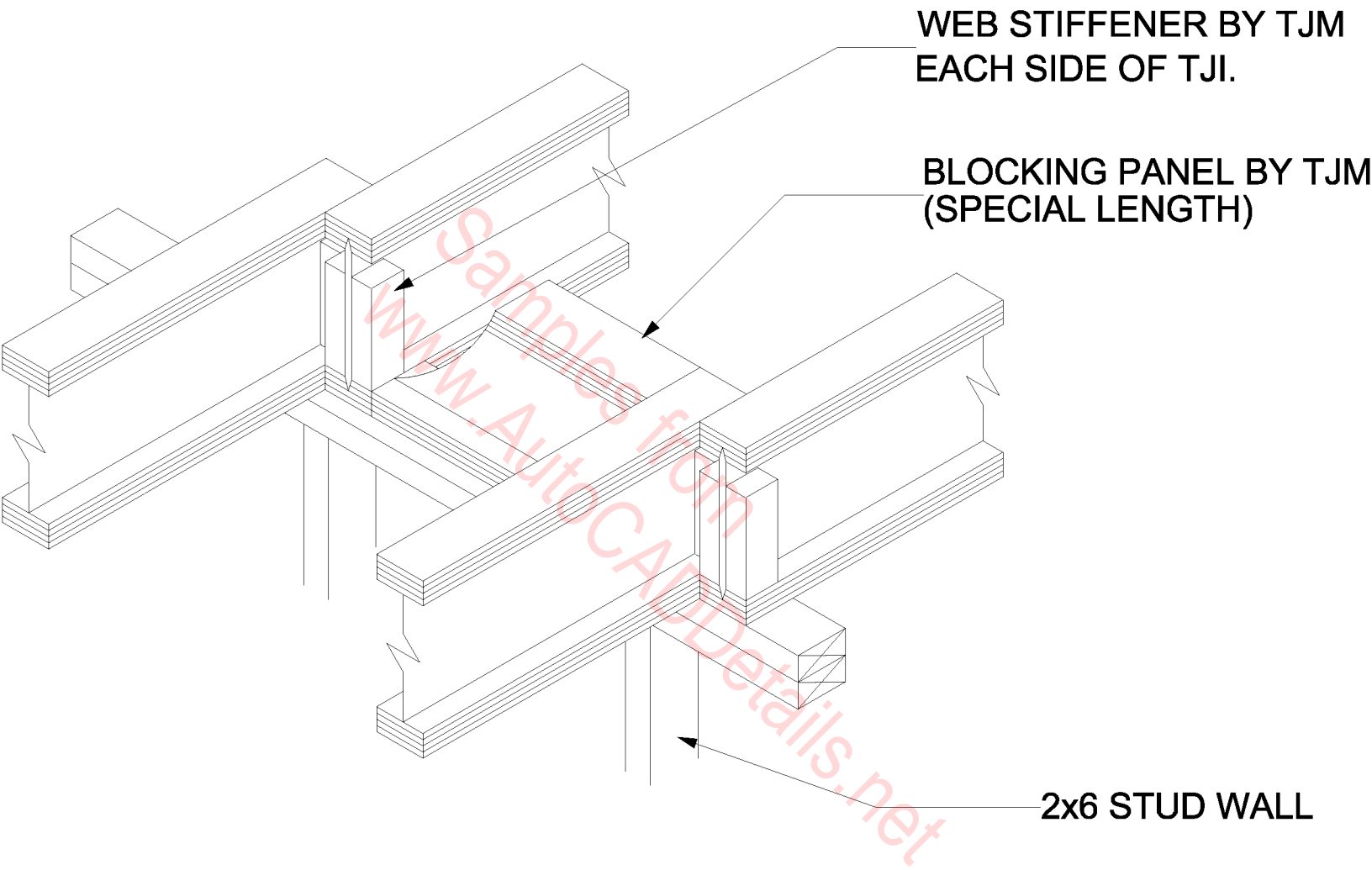
H6 TJI Joist Roof Details



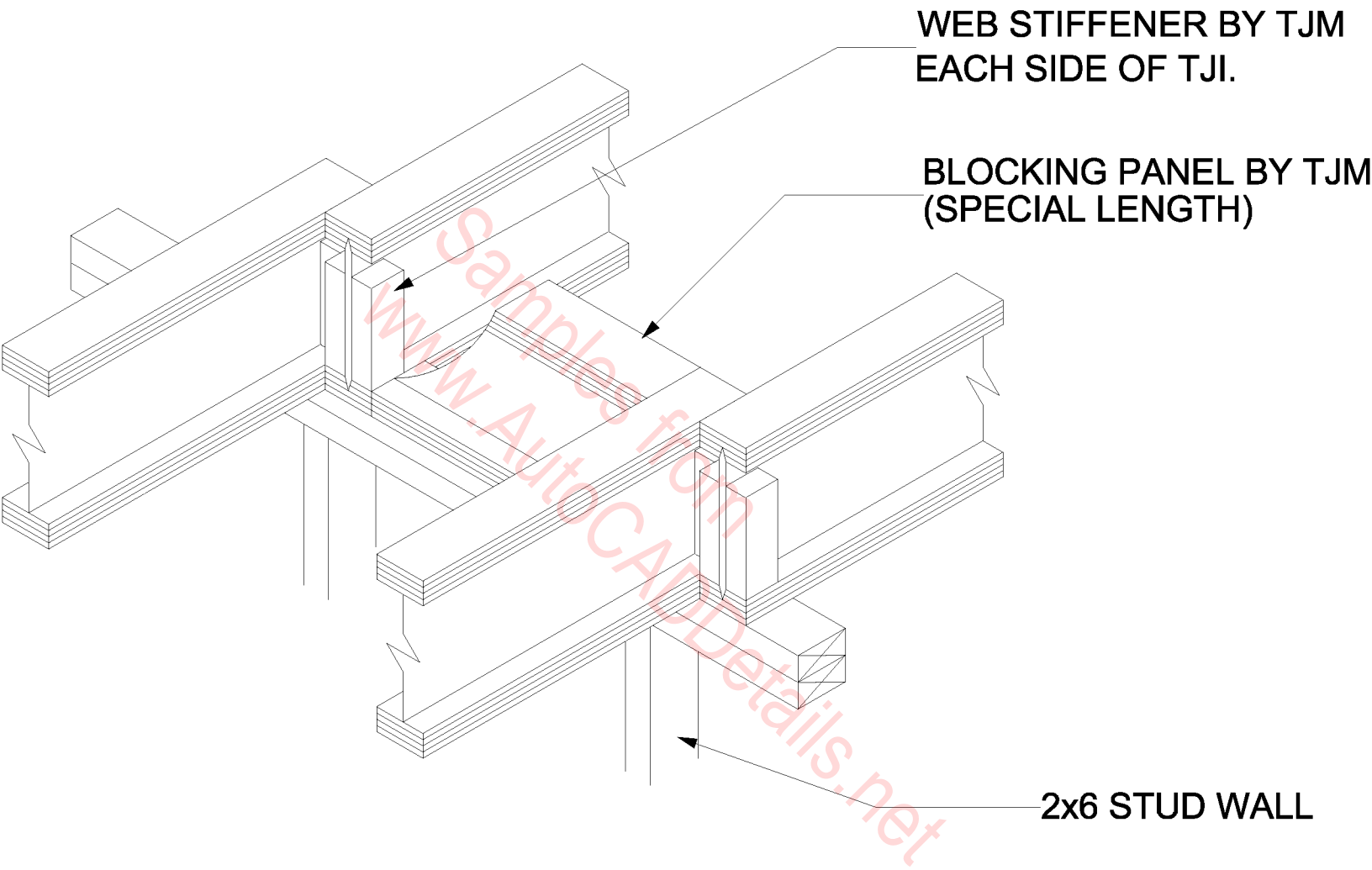
**ISOMETRIC BOTTOM BEARING
STUD WALL CUT FOR UPLIFT**



**ISOMETRIC BOTTOM BEARING
STUD WALL CUT FOR UPLIFT**



**ISOMETRIC BOTTOM BEARING STUD
WALL OVERLAPPING**



**ISOMETRIC BOTTOM BEARING STUD
WALL OVERLAPPING**

WEB STIFFENER BY TJM
EACH SIDE OF TJI

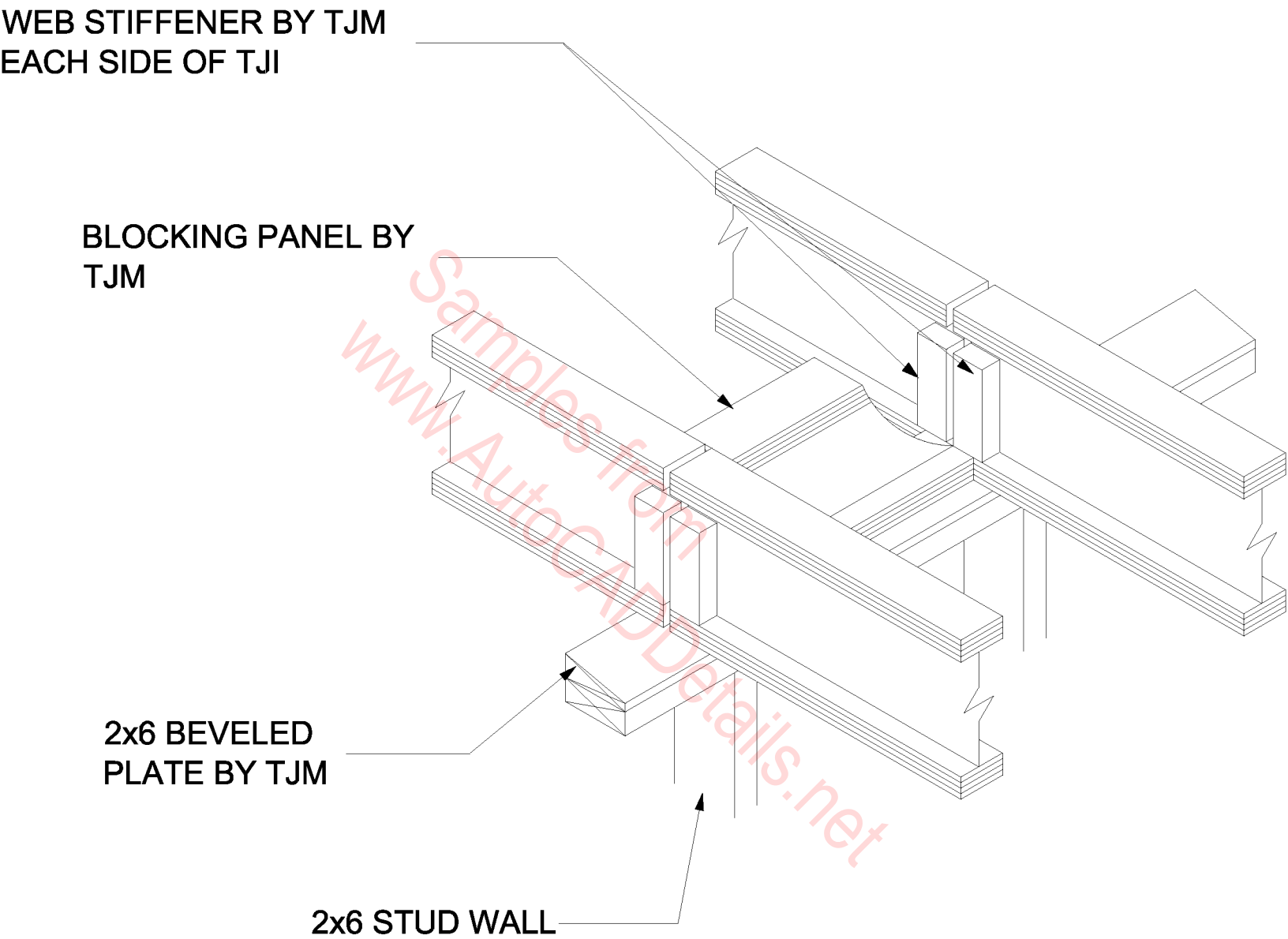
BLOCKING PANEL BY
TJM

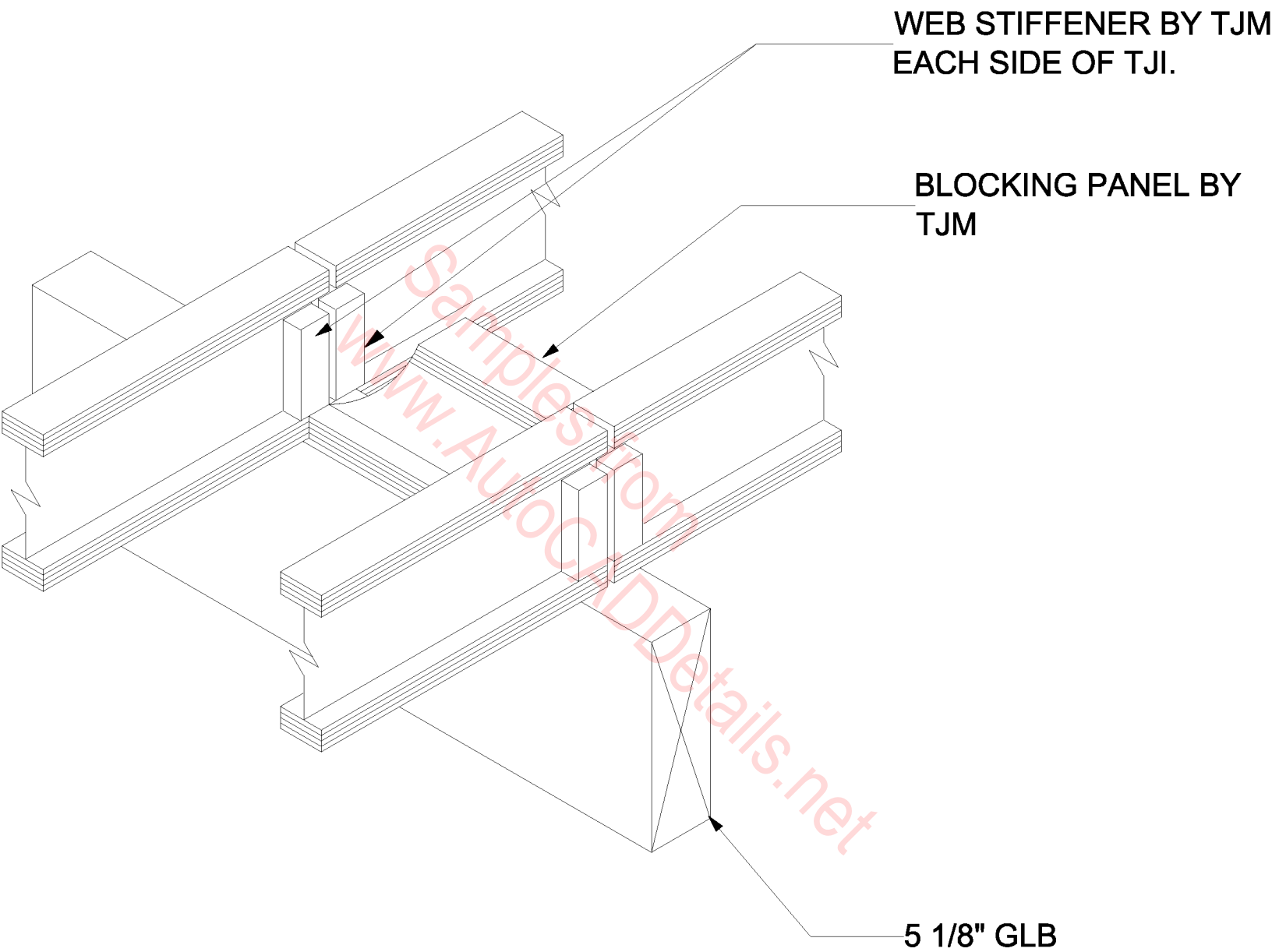
2x6 BEVELED
PLATE BY TJM

2x6 STUD WALL

www.AutocADDetails.net

ISOMETRIC BOTTOM BEARING STUD WALL SLOPED 2 JOISTS BUTTING





**ISOMETRIC BOTTOM BEARING WOOD
BEAM 2 JOISTS BUTTING**

WEB STIFFENER BY TJM
EACH SIDE OF TJI.

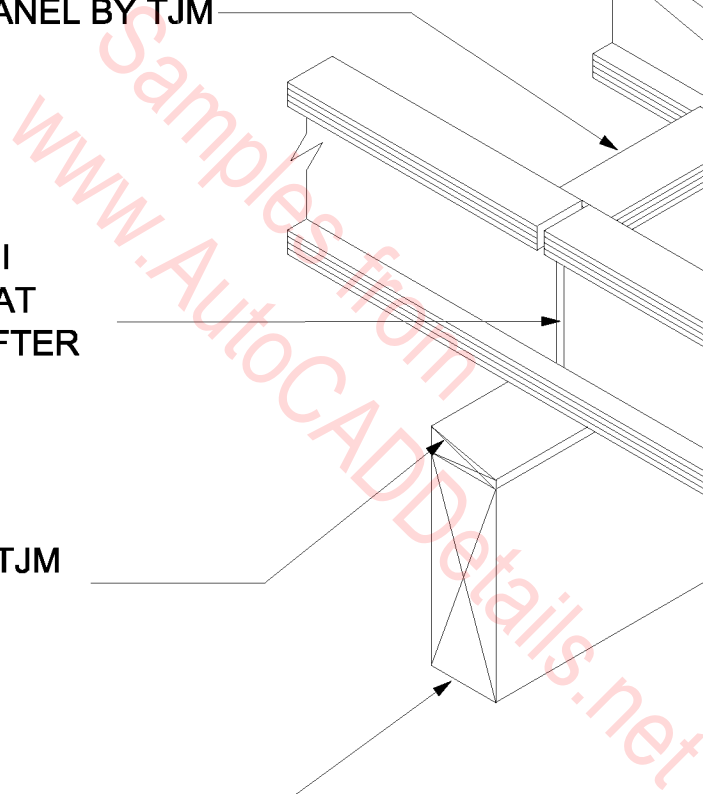
BLOCKING PANEL BY TJM

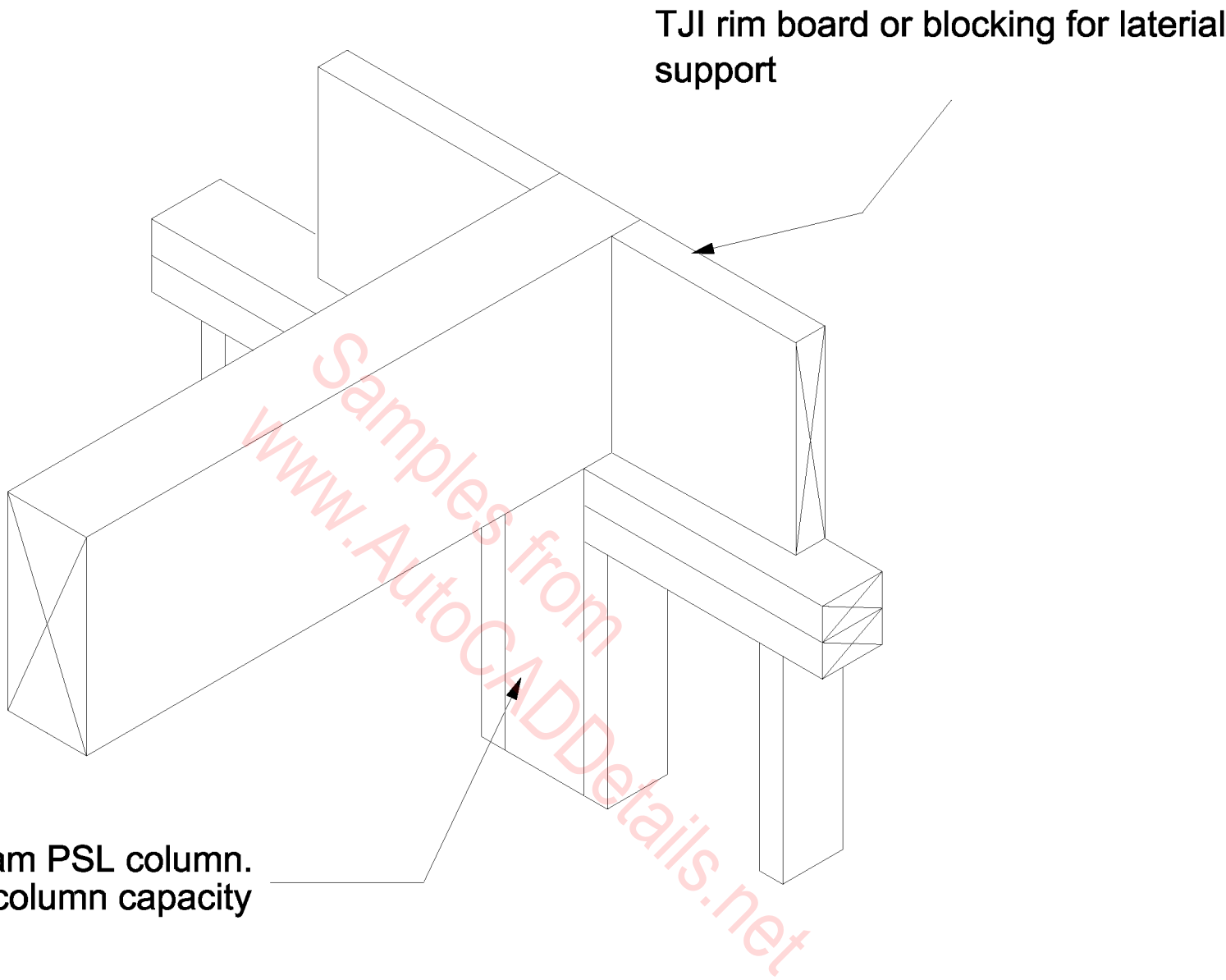
FIELD CUT THROUGH TJI
TOP FLANGE AND WEB AT
CENTER OF BEARING AFTER
INSTALLATION.

2x6 BEVELED PLATE BY TJM
(1 1/2" thick @ high side)

5 1/8" GLB

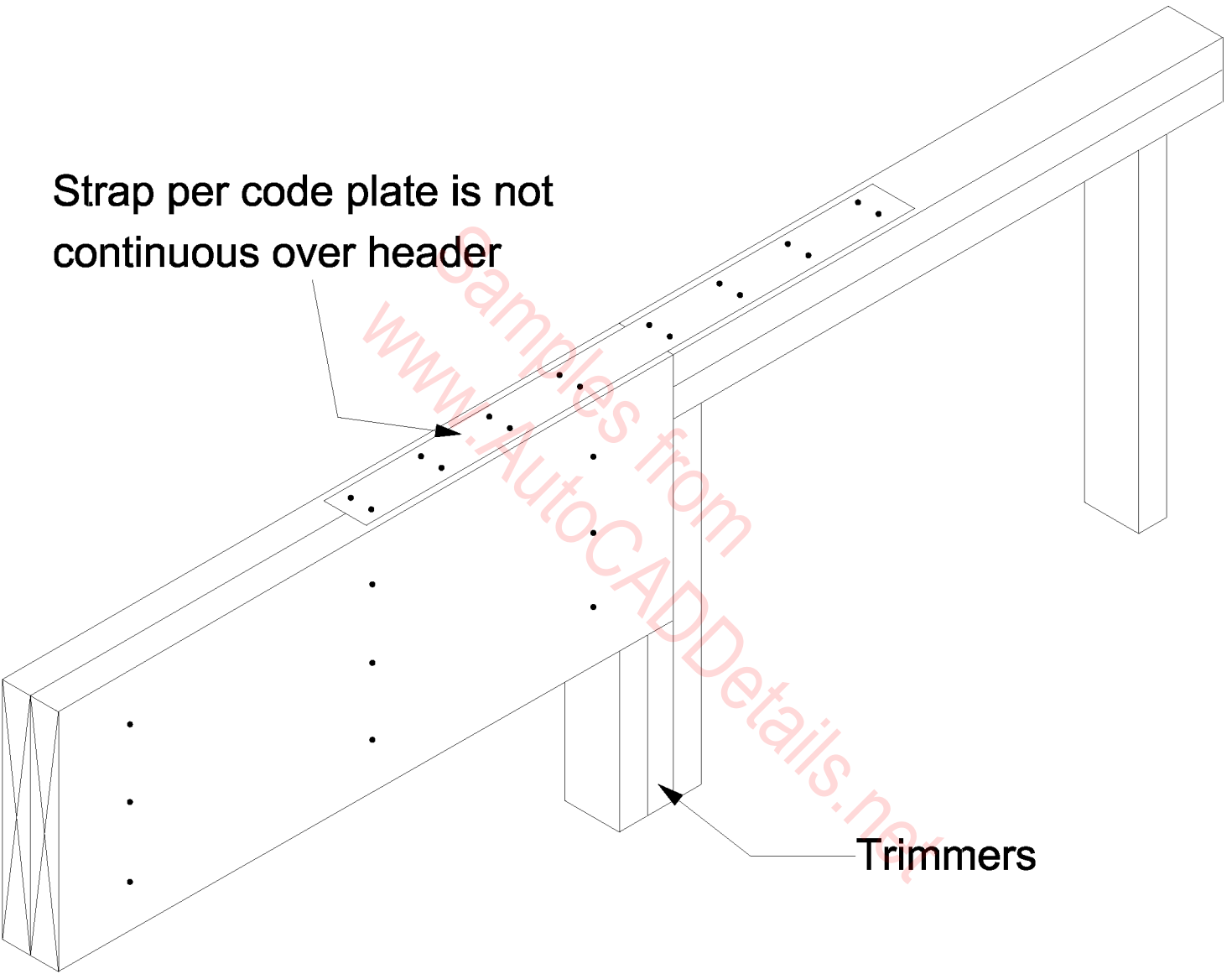
ISOMETRIC BOTTOM BEARING WOOD BEAM
SLOPED CUT FOR UPLIFT





NOTE: Bearing length is extremely critical and must be considered for each application.

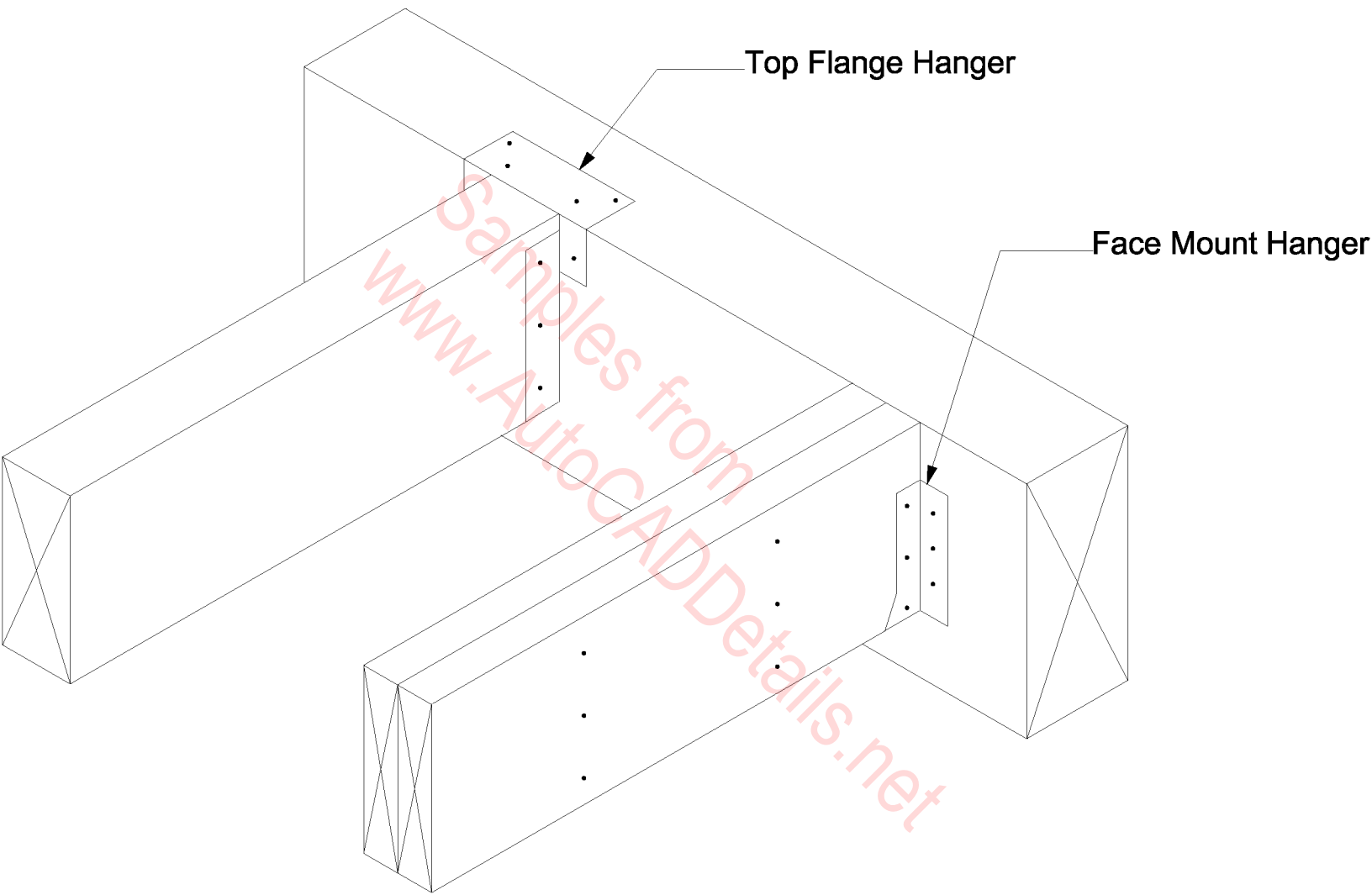
L1- BEARING AT WALL



Strap per code plate is not continuous over header

Trimmers

L2 Bearing For Door Or Window Header



L3 Beam to Beam Connection

WEB STIFFENER BY TJM
EACH SIDE OF TJI

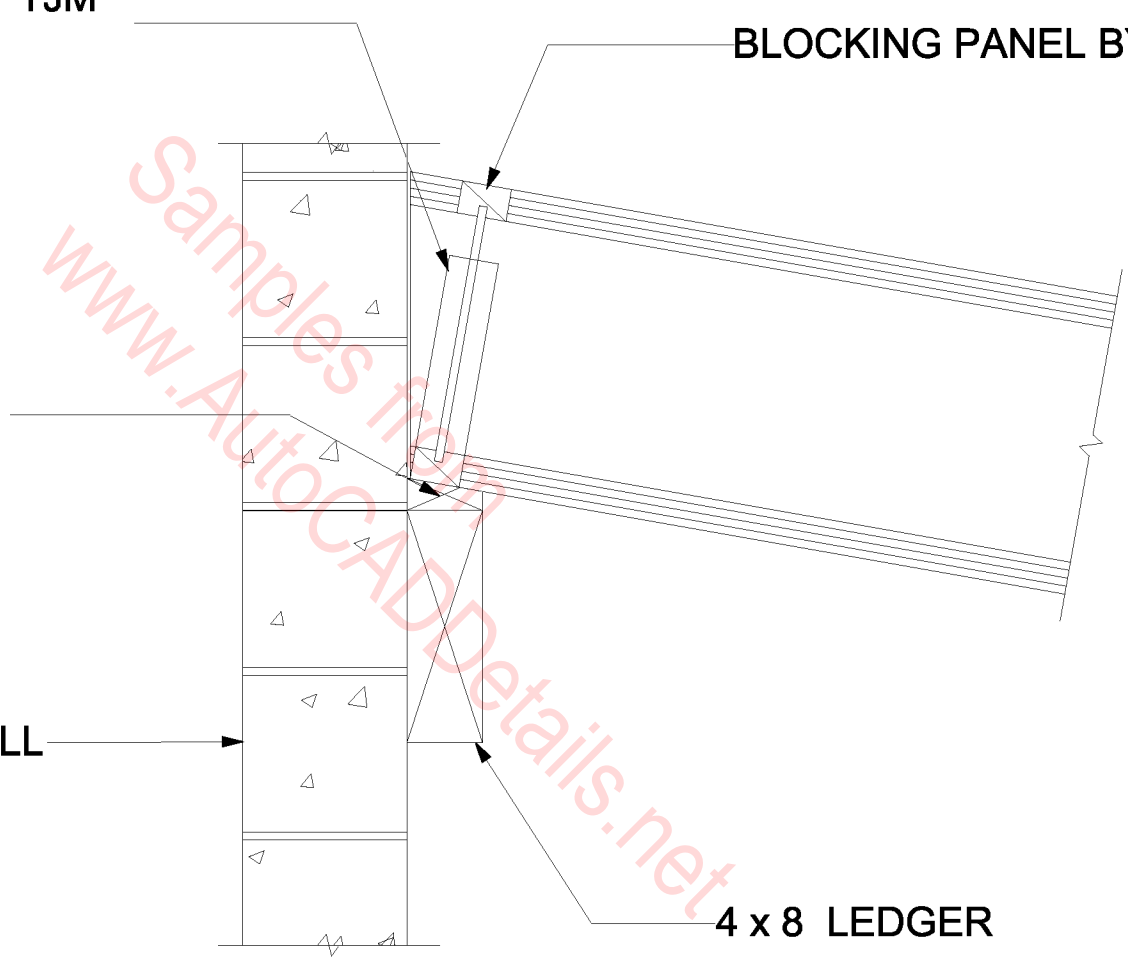
BLOCKING PANEL BY TJM

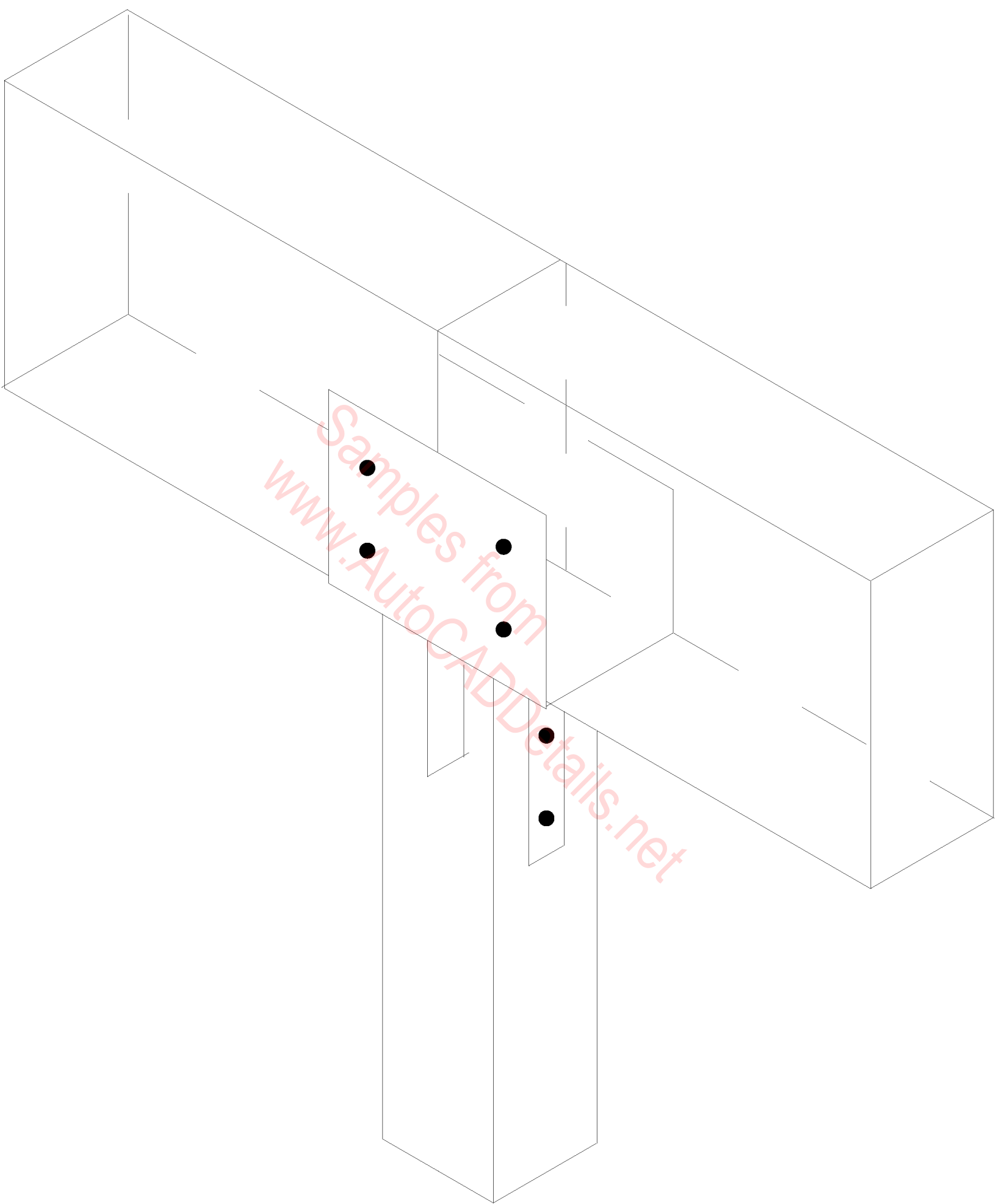
2x4 BEVELED
PLATE BY TJM
(1 1/2" THICK @
HIGH SIDE)

8" CMU WALL

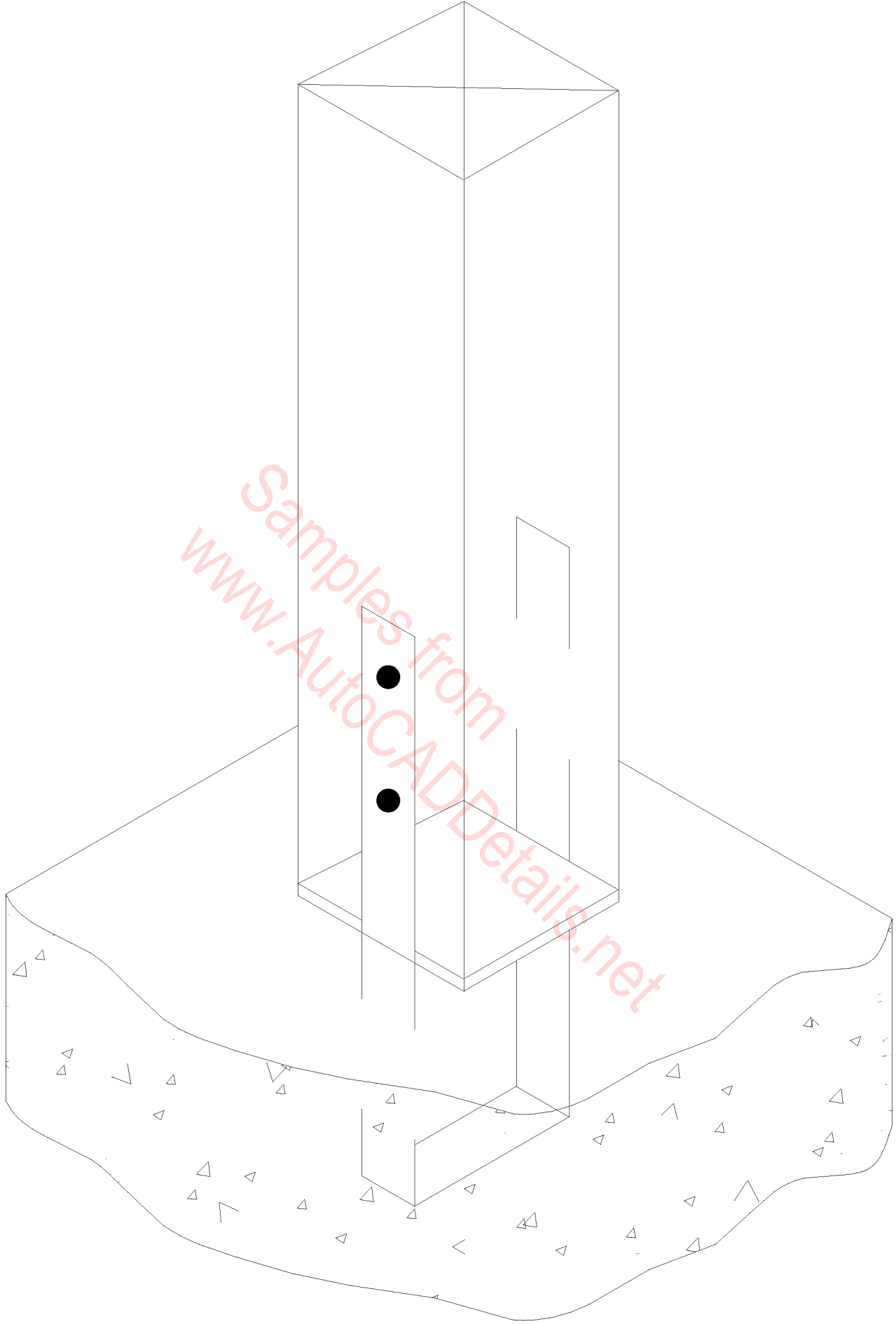
4 x 8 LEDGER

BOTTOM BEARING LEDGER SLOPED HIGH SIDE

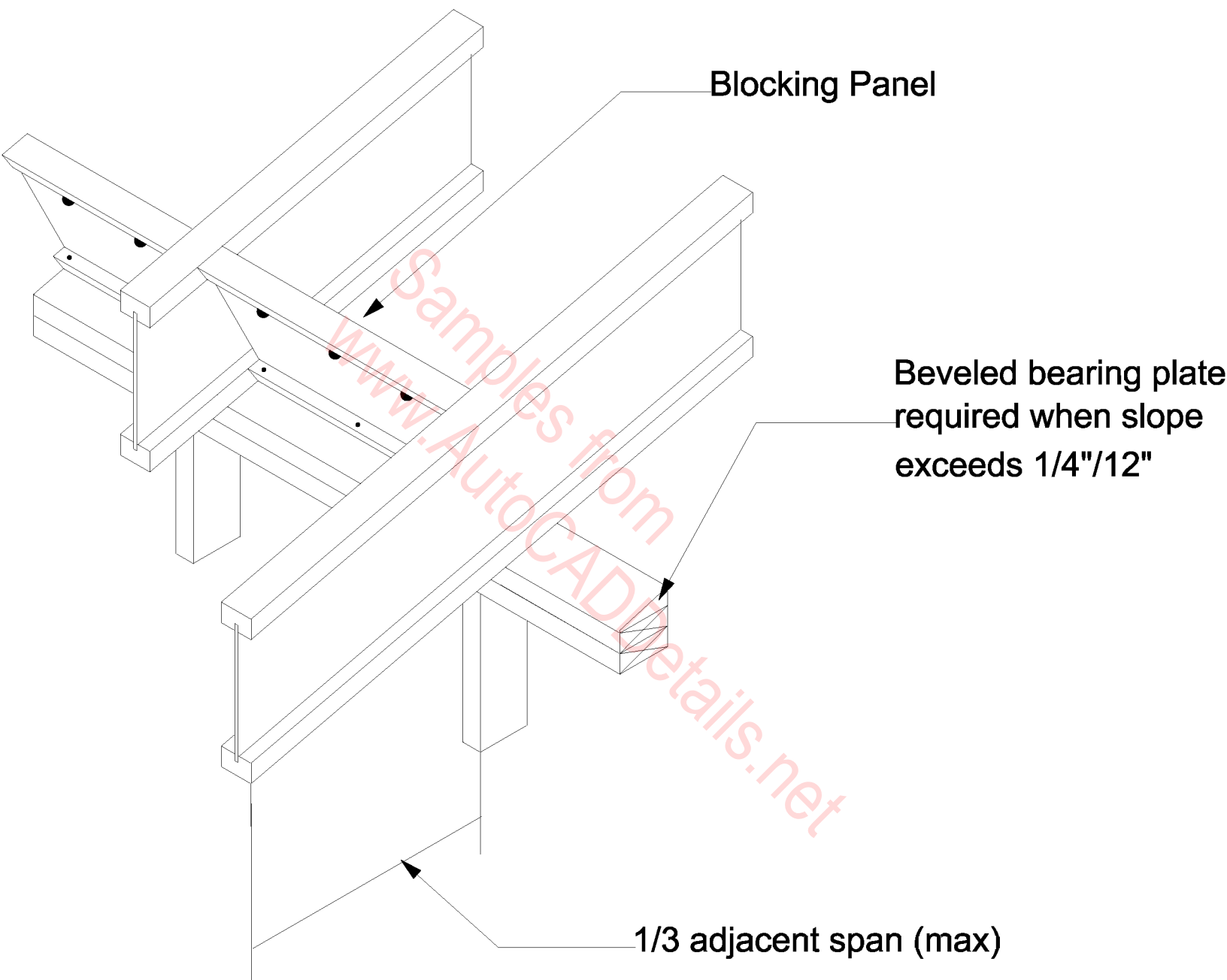




P1 Beam on Column Cap



P2 Column Base



R1 TJI Joist Roof Detail

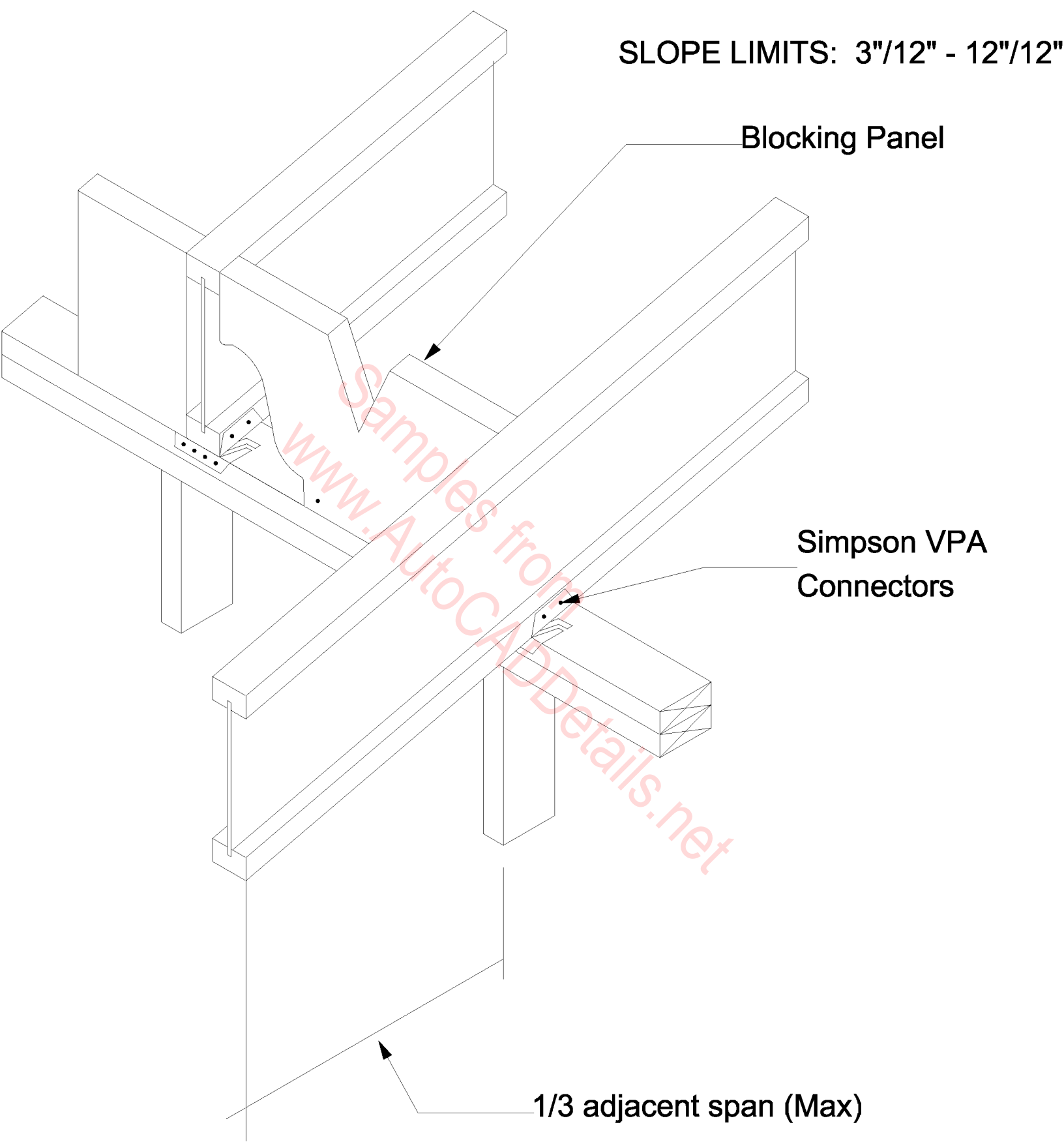
SLOPE LIMITS: 3"/12" - 12"/12"

Blocking Panel

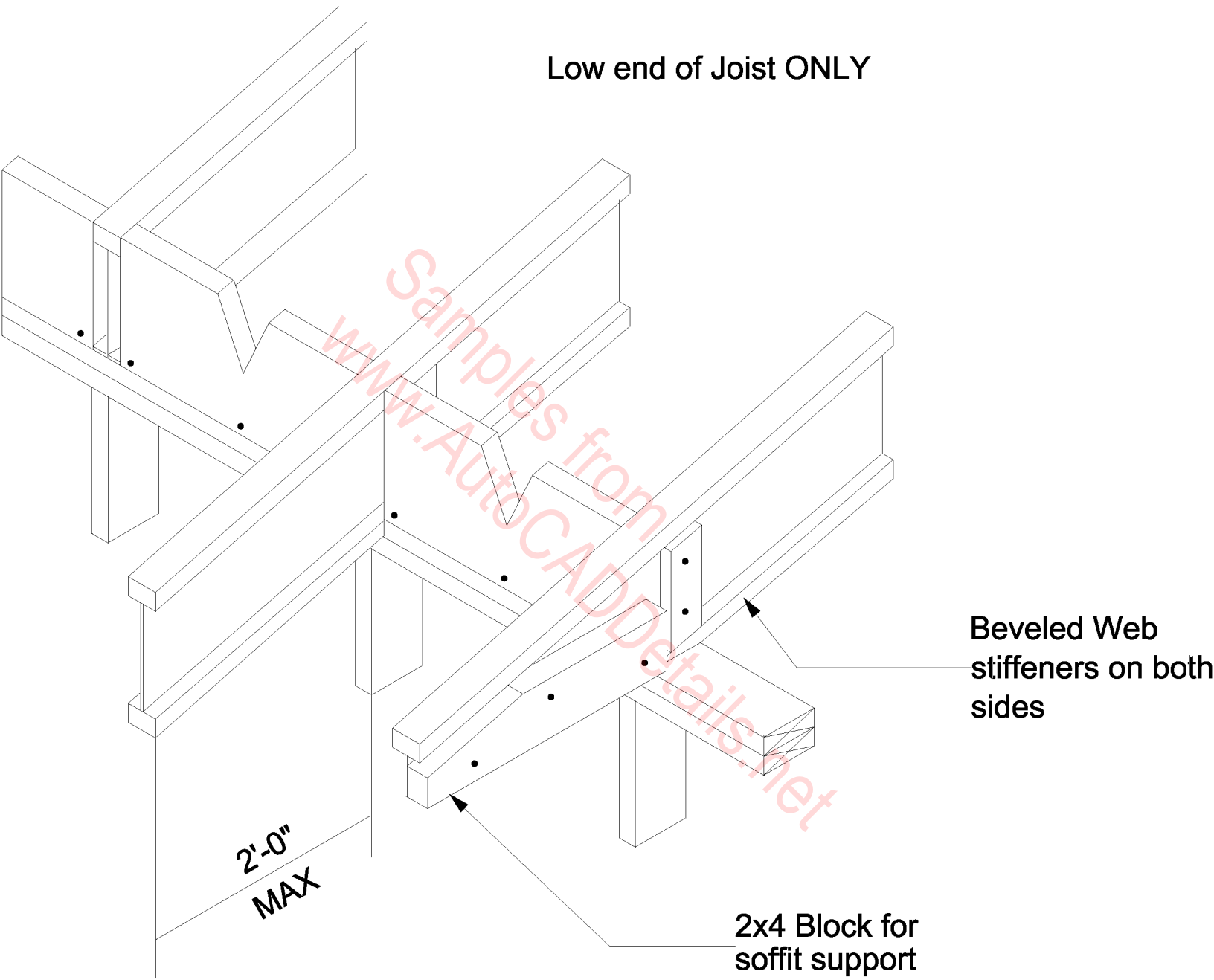
Simpson VPA
Connectors

1/3 adjacent span (Max)

R3 TJI JOIST ROOF DETAILS

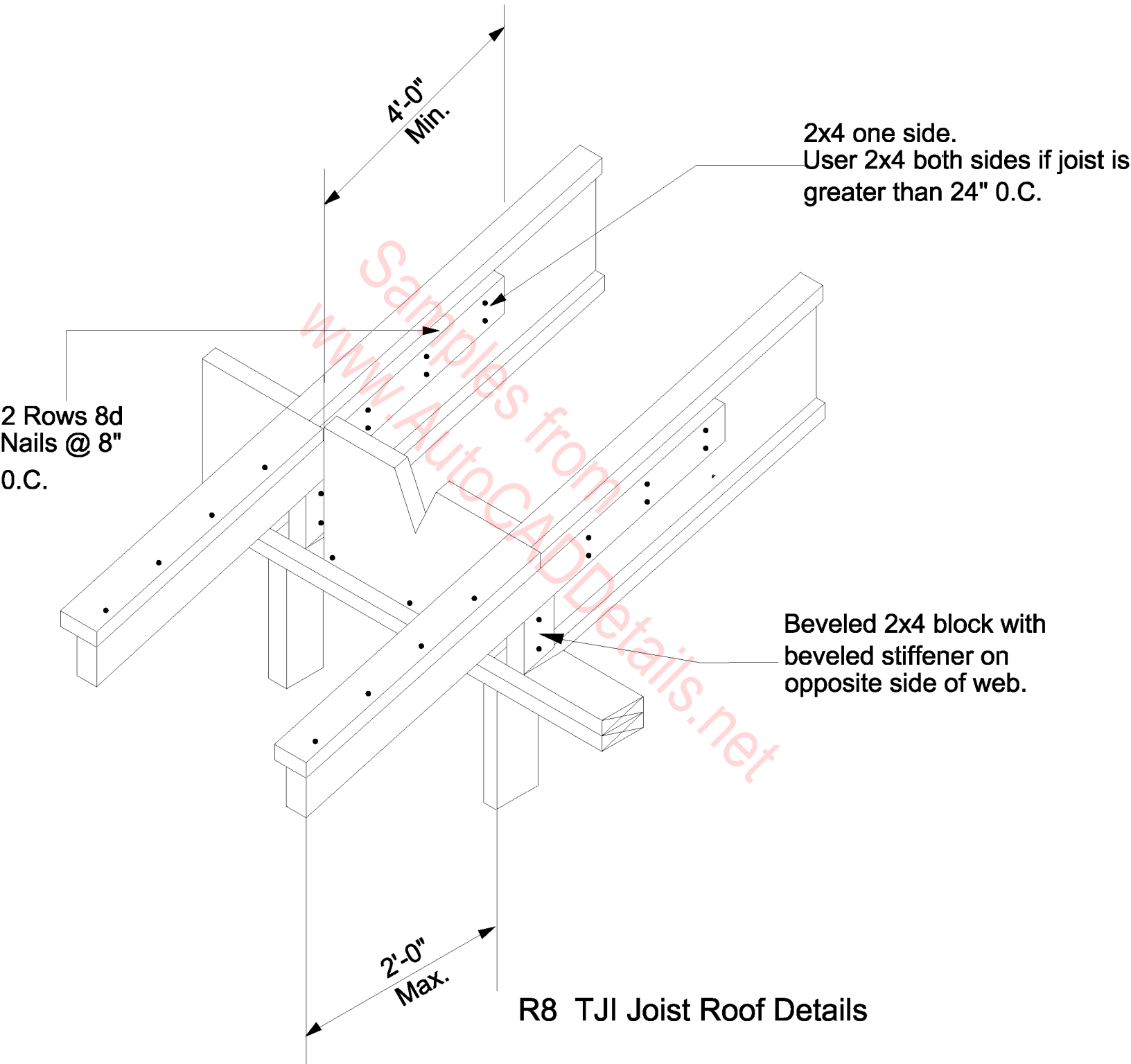


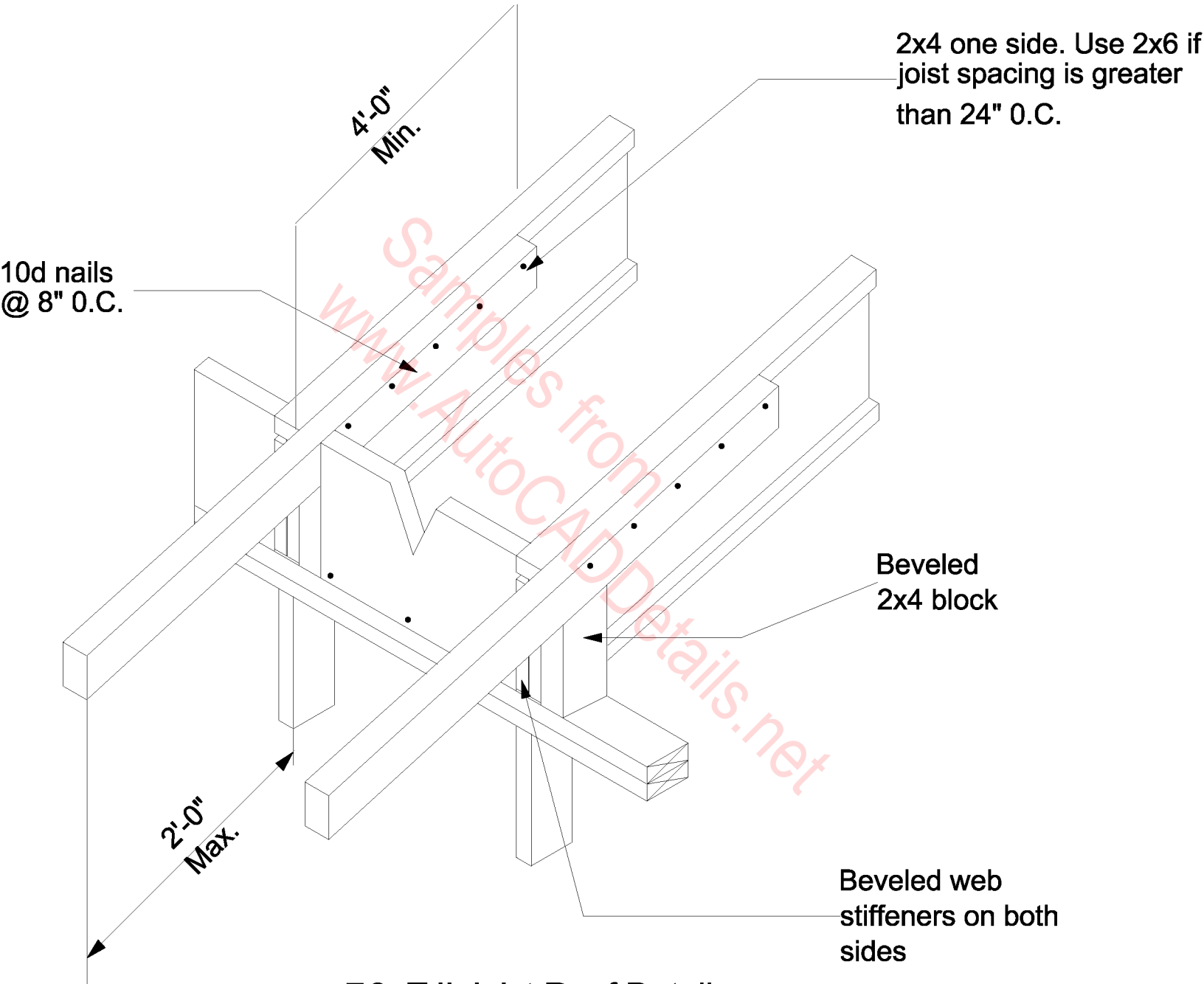
Low end of Joist ONLY



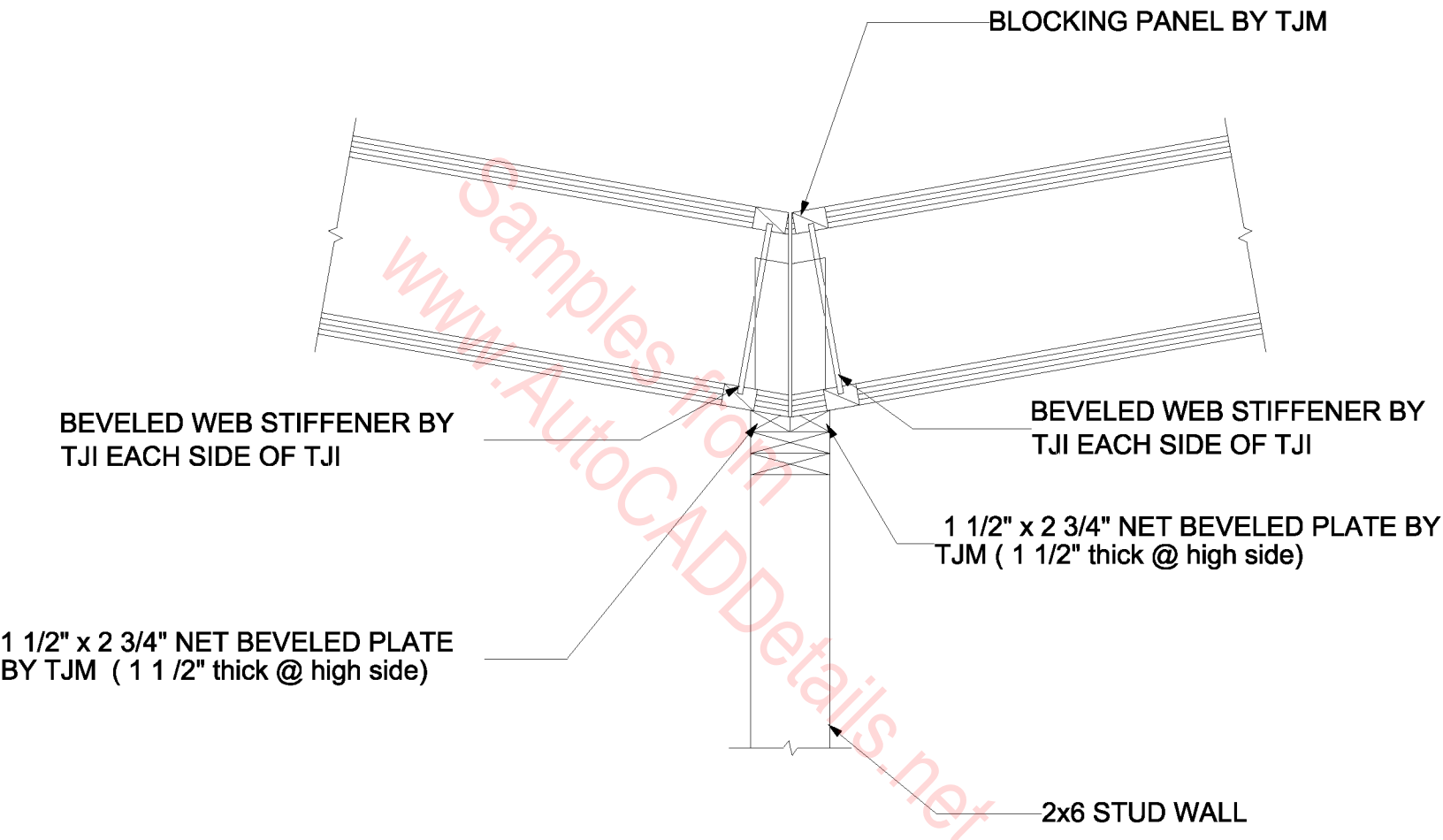
R5 TJI Joist Roof Details

LOW END OF JOIST ONLY

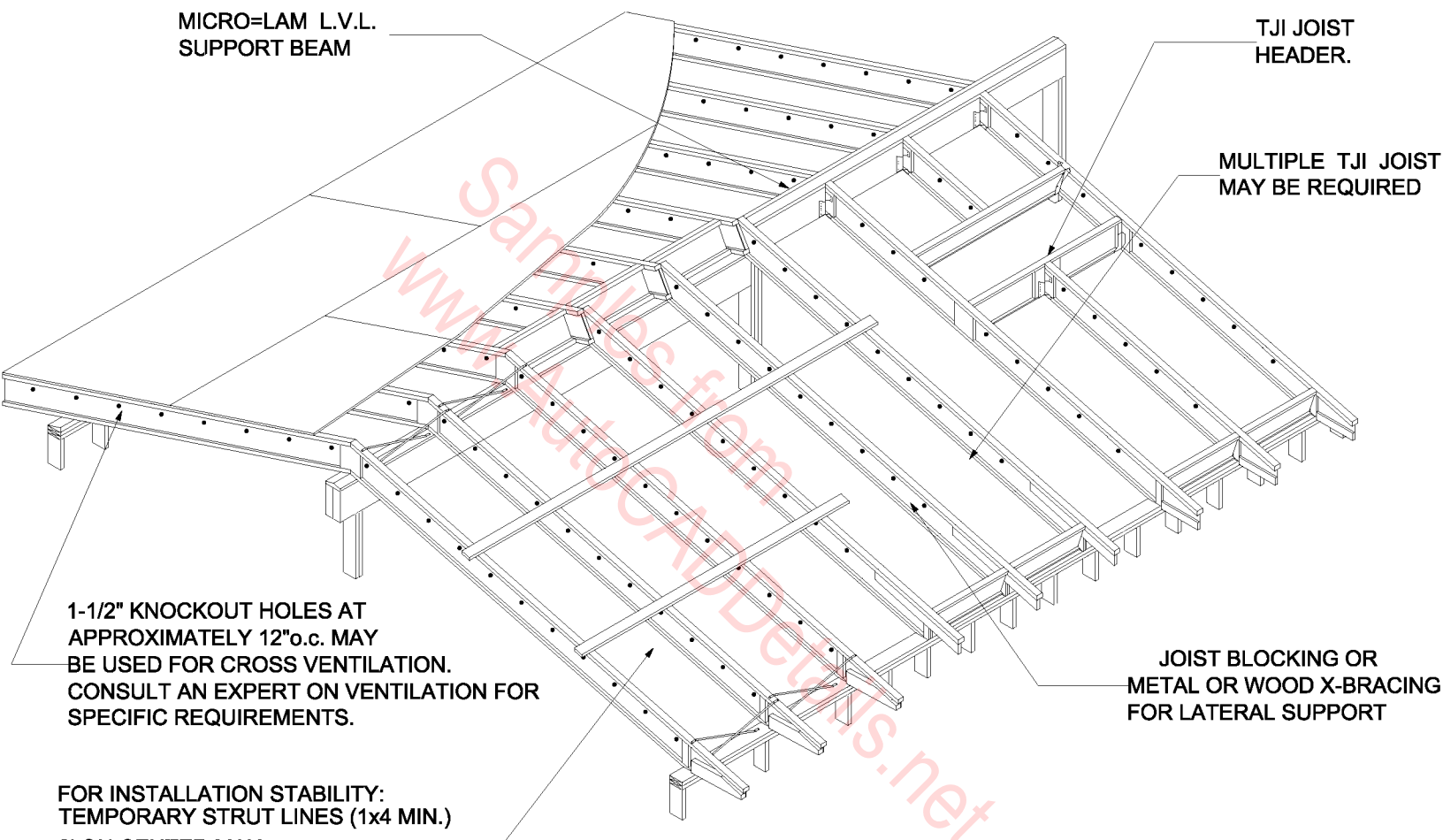




R9 TJI Joist Roof Details



**BOTTOM BEARING STUD WALL
 SLOPED VALLEY**



MICRO=LAM L.V.L.
SUPPORT BEAM

TJI JOIST
HEADER.

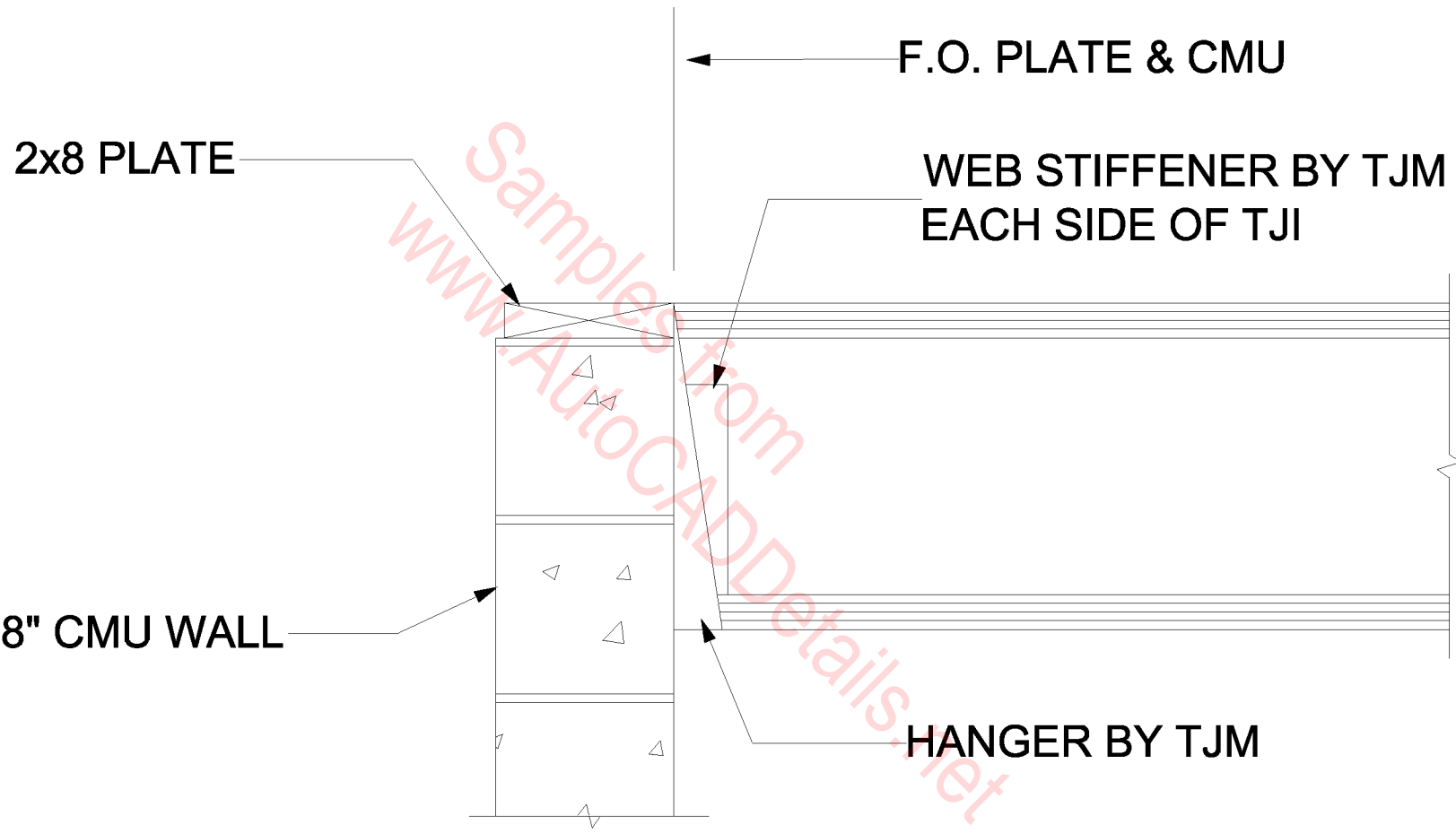
MULTIPLE TJI JOIST
MAY BE REQUIRED

1-1/2" KNOCKOUT HOLES AT
APPROXIMATELY 12"o.c. MAY
BE USED FOR CROSS VENTILATION.
CONSULT AN EXPERT ON VENTILATION FOR
SPECIFIC REQUIREMENTS.

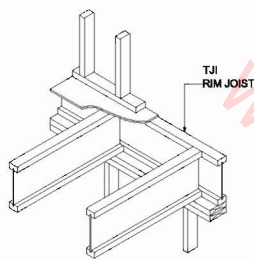
JOIST BLOCKING OR
METAL OR WOOD X-BRACING
FOR LATERAL SUPPORT

FOR INSTALLATION STABILITY:
TEMPORARY STRUT LINES (1x4 MIN.)
8' ON CENTER MAX
FASTEN AT EACH JOIST
WITH 2-8d NAILS MIN.

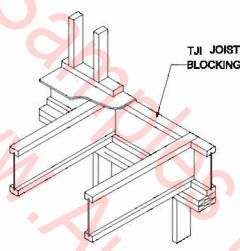
TJI JOIST ROOF APPLICATION DRAWING.



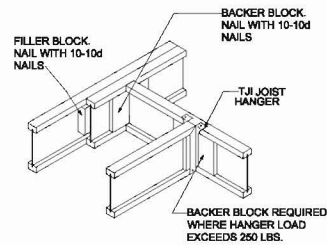
TOP FLANGE HANGER CMU WALL



**BEARING BLOCKING
DOUBLE TJI JOISTS**

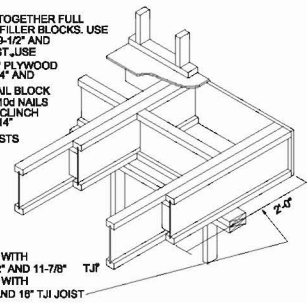


RIM JOISTS

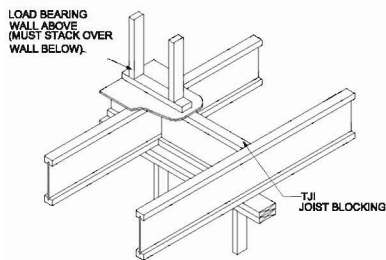


HEADER OPENING WITH

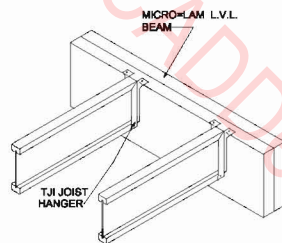
NOTE: BLOCK TOGETHER FULL LENGTH WITH FILLER BLOCKS. USE 2x4x4'-0" WITH 8'-1/2" AND 11'-7/8" TJI JOIST. USE 2x10x8'-0" x 1/2" PLYWOOD (2" NET) WITH 14" AND 16" JOIST. NAIL BLOCK WITH 2 ROWS 10d NAILS AT 8" O.C. AND CLINCH (3 ROWS WITH 14" AND 16" TJI JOISTS)



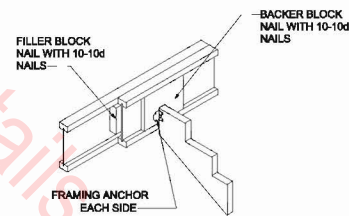
CANTILEVER STRENGTHENING WITH TJI JOISTS



INTERMEDIATE BEARING WITH TJI JOIST BLOCKING

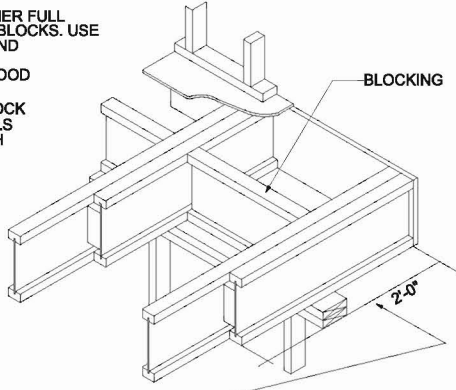


TOP MOUNT HANGER @ BEAM



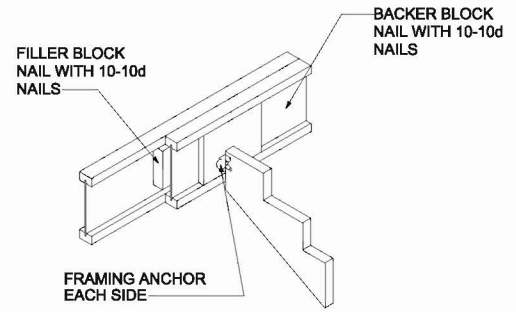
STAIR STRINGER ATTACHMENT

NOTE: BLOCK TOGETHER FULL LENGTH WITH FILLER BLOCKS. USE 2x6x4'-0" WITH 9-1/2" AND 11-7/8" TJI JOIST. USE 2x10x6'-0" + 1/2" PLYWOOD (2" NET) WITH 14" AND 16" TJI JOIST. NAIL BLOCK WITH 2 ROWS 10d NAILS AT 6" O.C. AND CLINCH (3 ROWS WITH 14" AND 16" TJI JOIST)

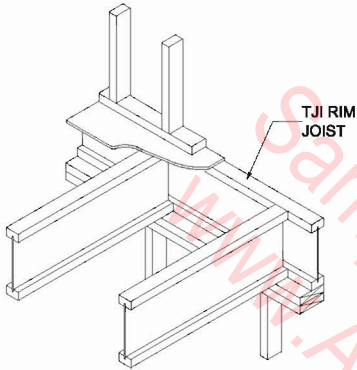


2'-0" WITH 9-1/2" AND 11-7/8" TJI
4'-0" WITH 14" AND 16" TJI JOIST

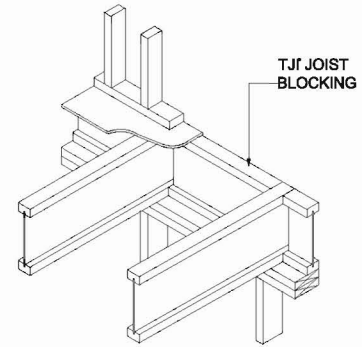
CANTILEVER STRENGTHENING WITH TJI JOISTS



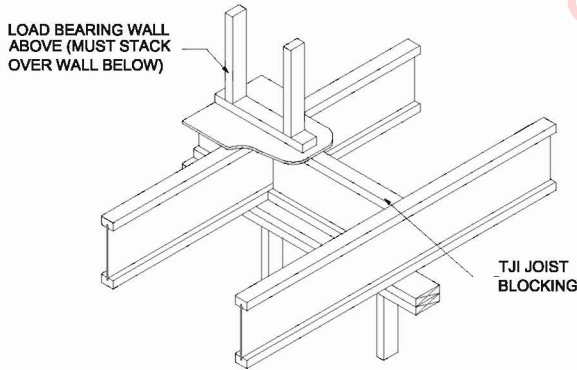
STAIR STRINGER ATTACHMENT



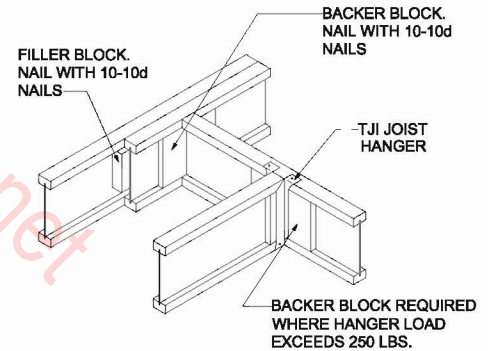
BEARING BLOCKING



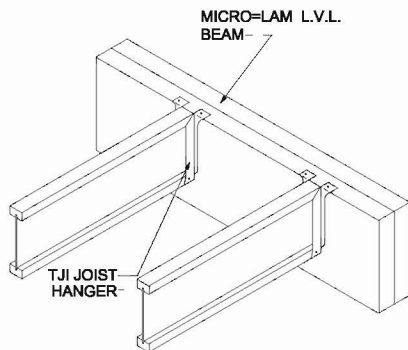
RIM JOISTS



INTERMEDIATE BEARING WITH TJI JOIST BLOCKING



HEADER OPENING WITH DOUBLE TJI JOISTS



TOP MOUNT HANGER @ BEAM

TYPICAL TJI DETAILS