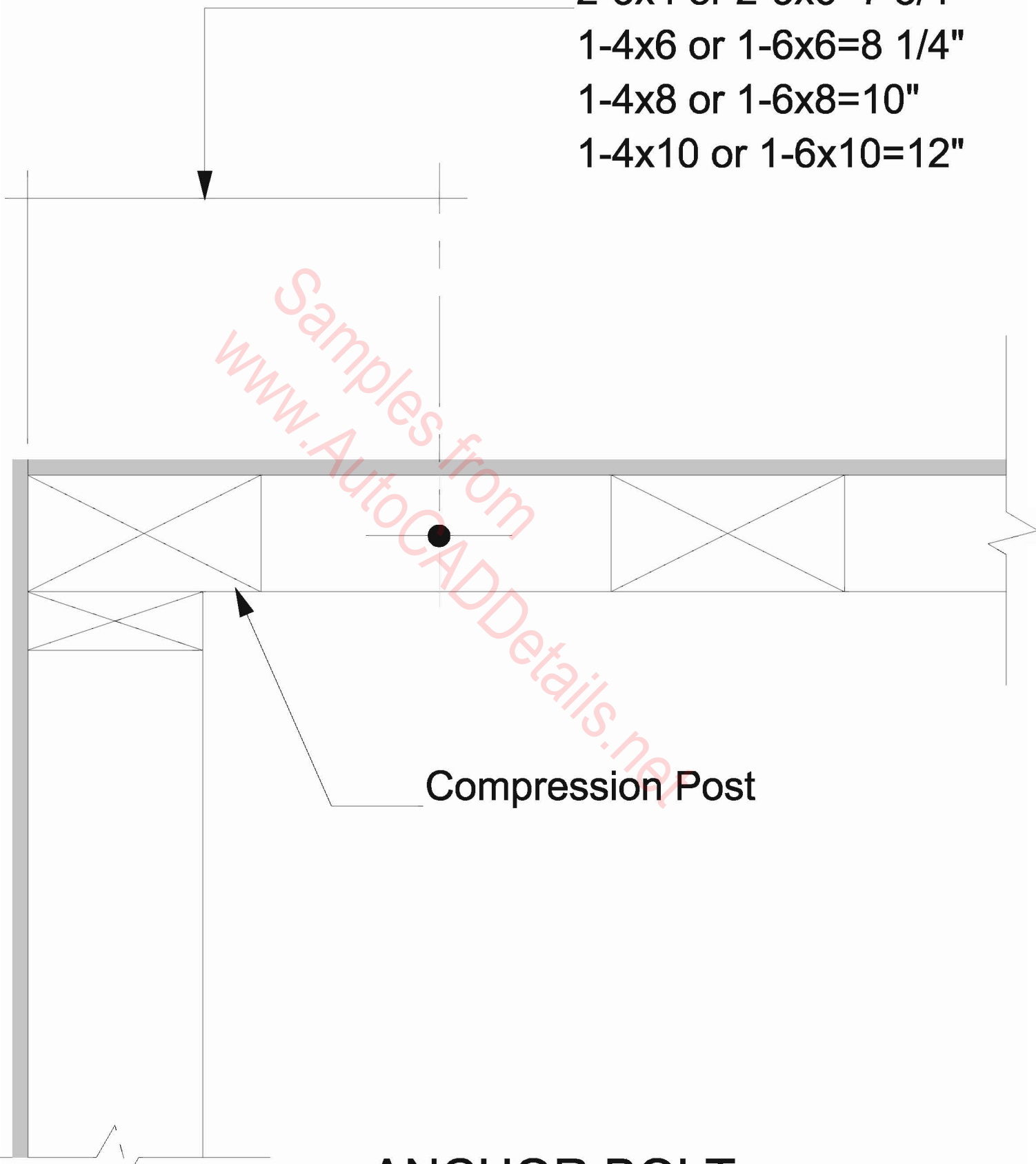


- 1-2x4 or 1-2x6=4 1/4"
- 1-3/4 or 1-3x6=5 1/4"
- 2-2x4 or 2-2x6=5 3/4"
- 2-3x4 or 2-3x6=7 3/4"
- 1-4x6 or 1-6x6=8 1/4"
- 1-4x8 or 1-6x8=10"
- 1-4x10 or 1-6x10=12"

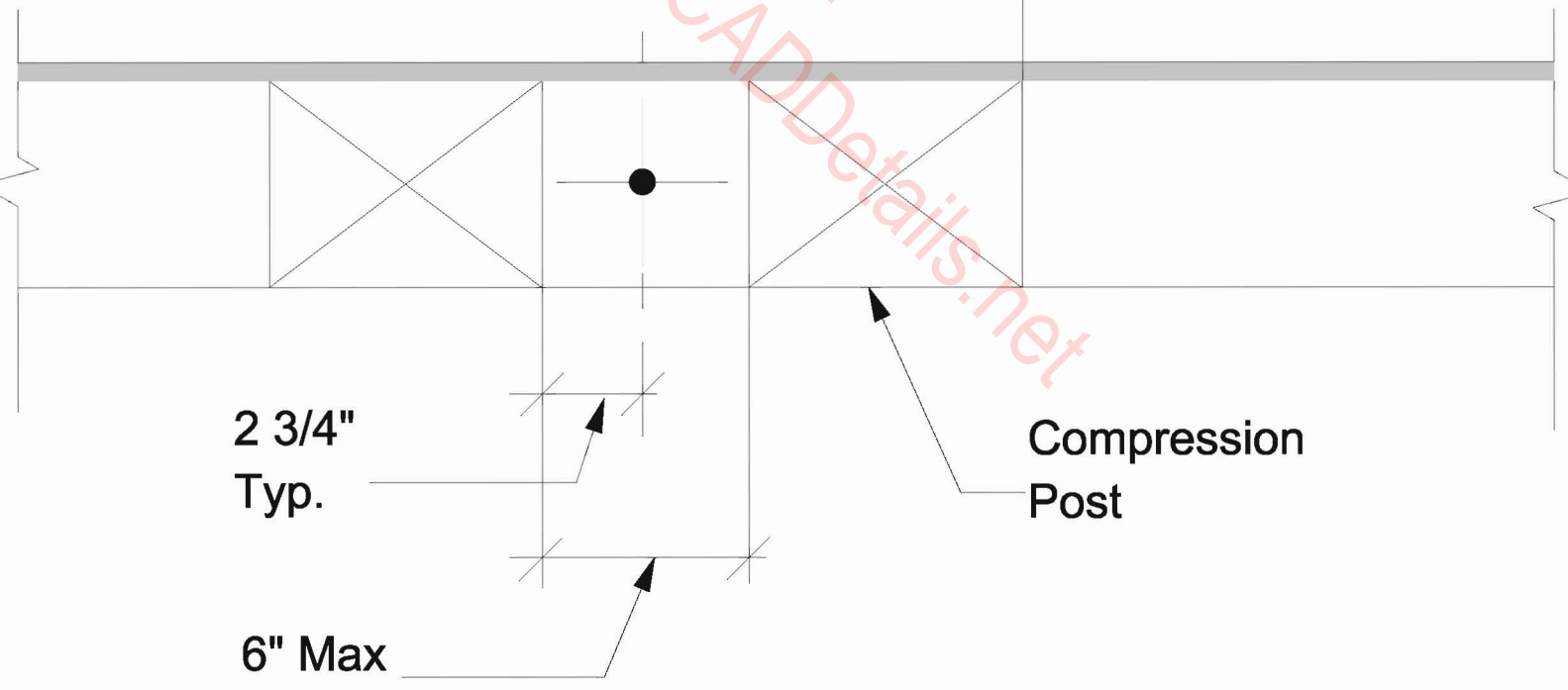


Compression Post

ANCHOR BOLT CORNER LOCATION

4 1/4"	1-2x4 or 1-2x6
5 1/4"	1-3x4 or 1-3x6
5 3/4"	2-2x4 or 2-2x6
7 3/4"	2-3x4 or 2-3x6
8 1/4"	1-4x6 or 1-6x6
10"	1-4x8 or 1-6x8
12"	1-4x10 or 1-6x10

Samples from
www.AutoCADDetails.net



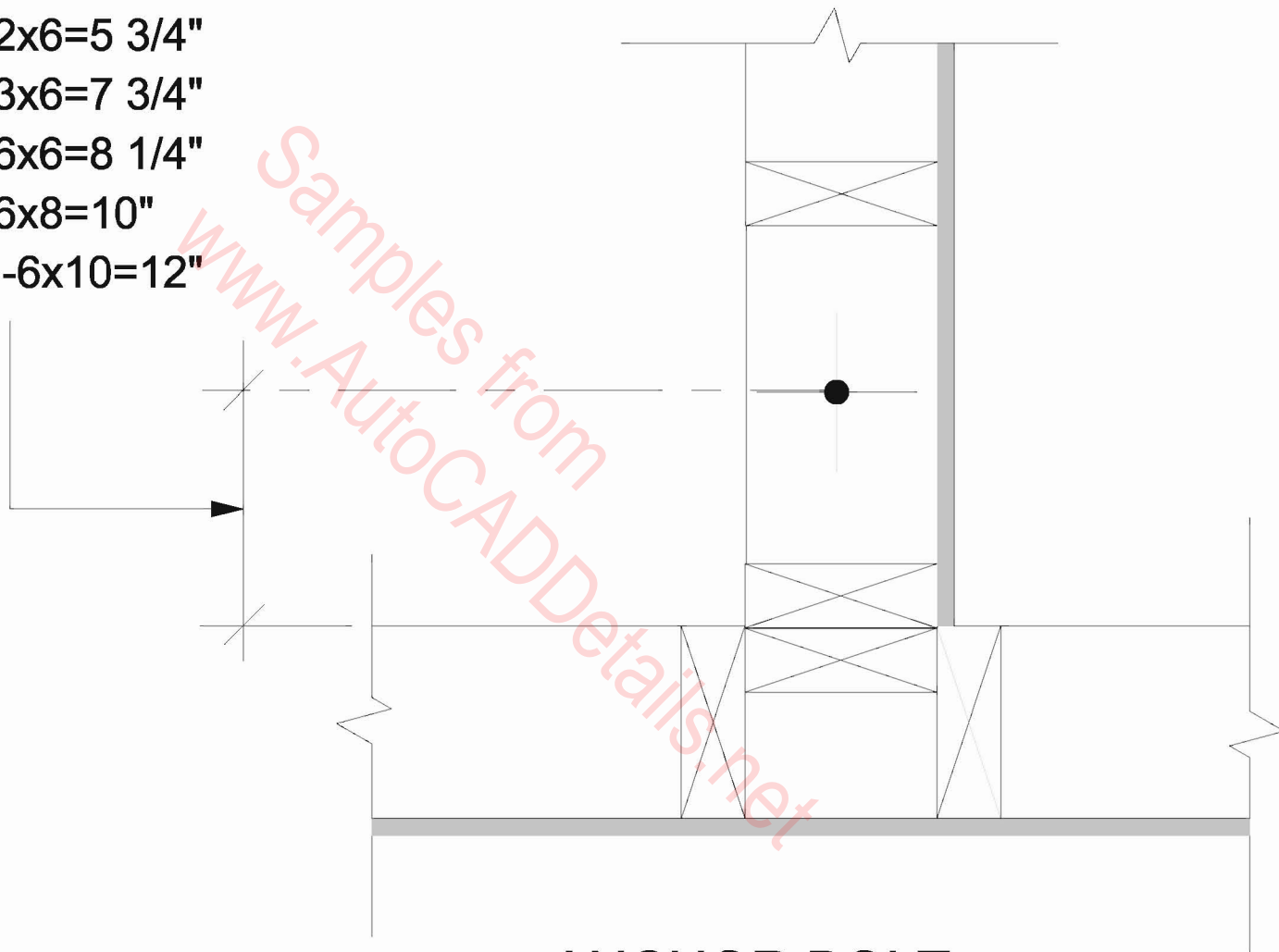
2 3/4"
Typ.

Compression
Post

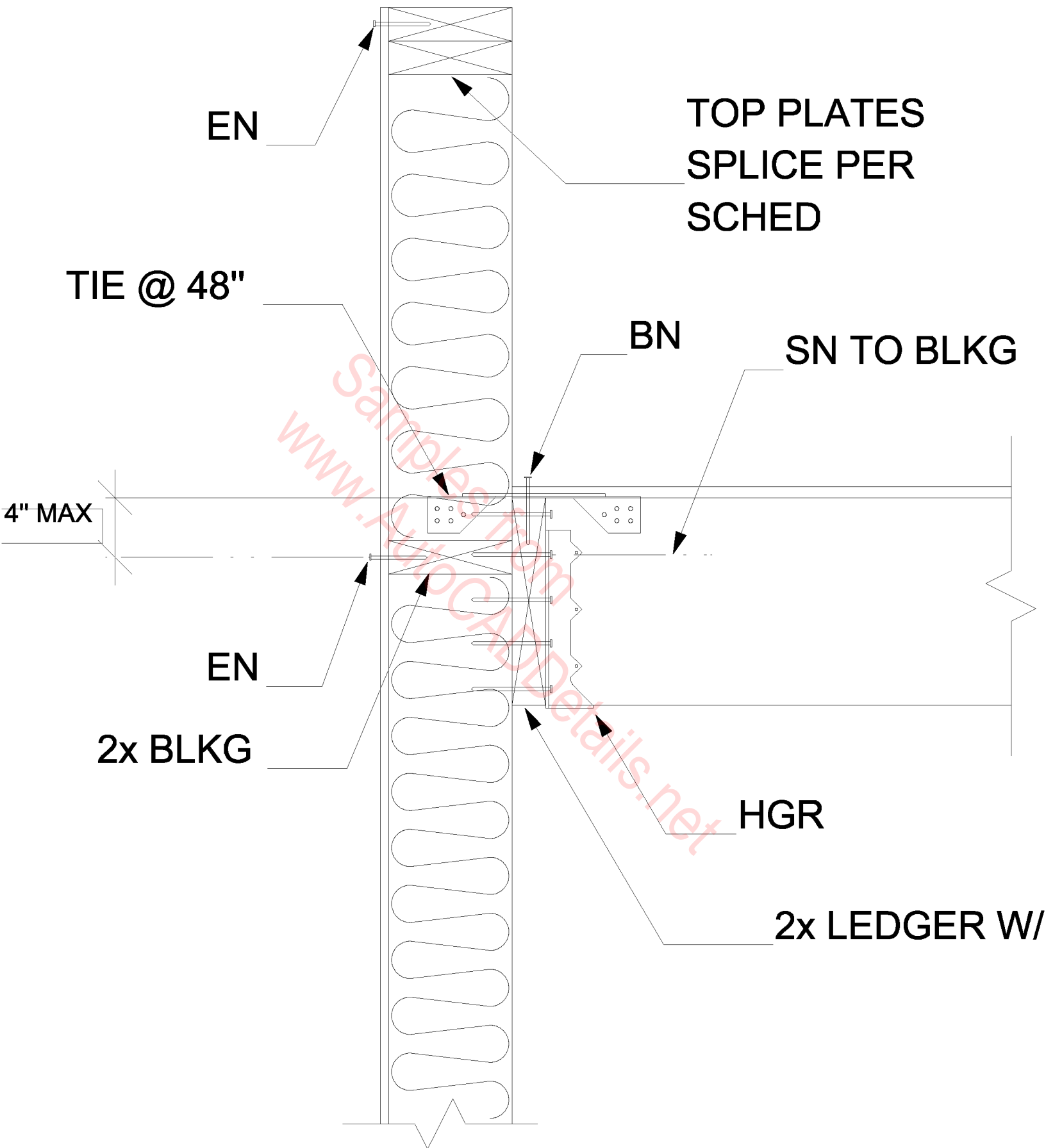
6" Max

ANCHOR BOLT Mid-Wall Location

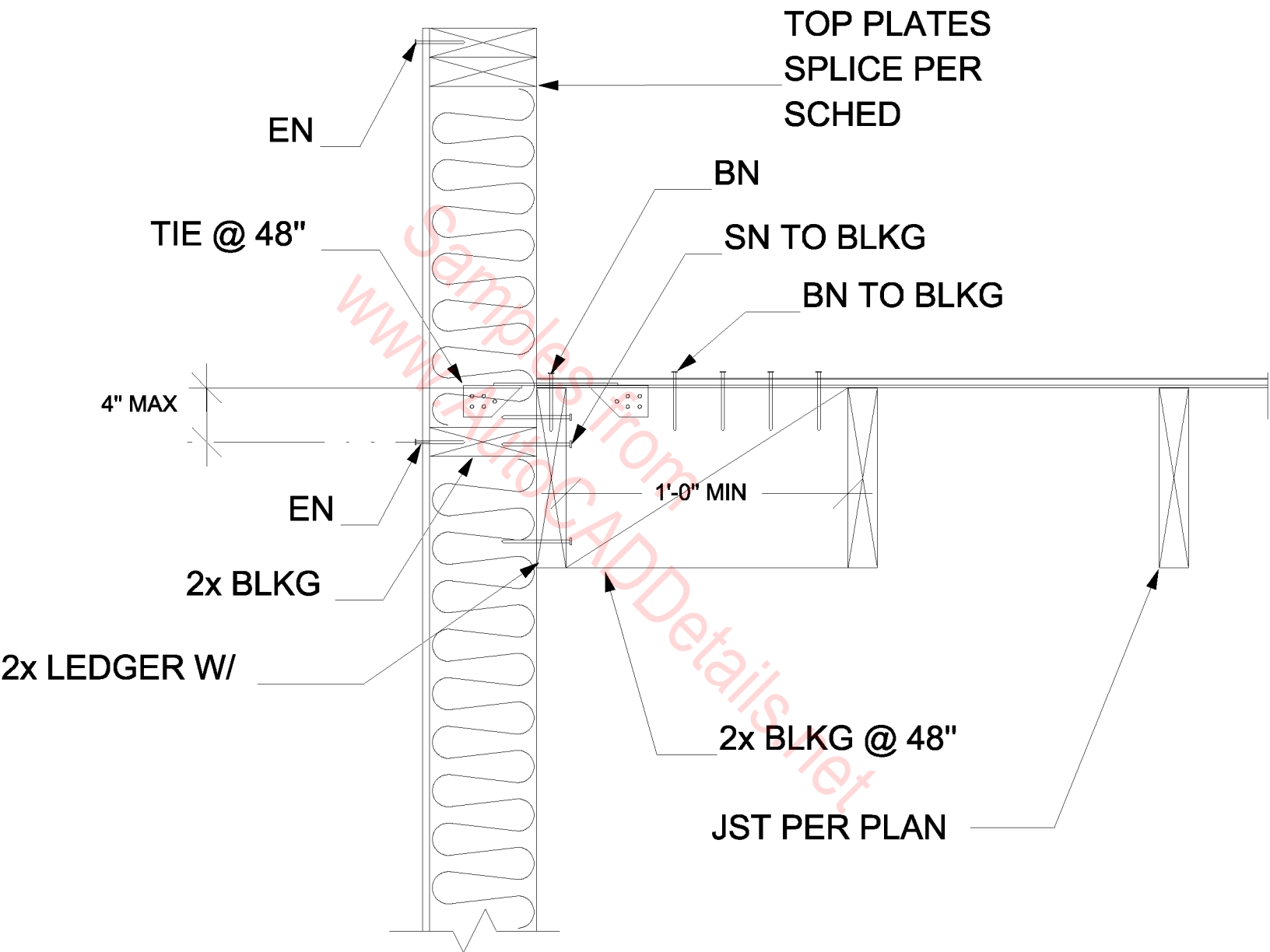
- 1-2x4 or 1-2x6=4 1/4"
- 1-3/4 or 1-3x6=5 1/4"
- 2-2x4 or 2-2x6=5 3/4"
- 2-3x4 or 2-3x6=7 3/4"
- 1-4x6 or 1-6x6=8 1/4"
- 1-4x8 or 1-6x8=10"
- 1-4x10 or 1-6x10=12"



ANCHOR BOLT
Perpendicular-To-Wall Location



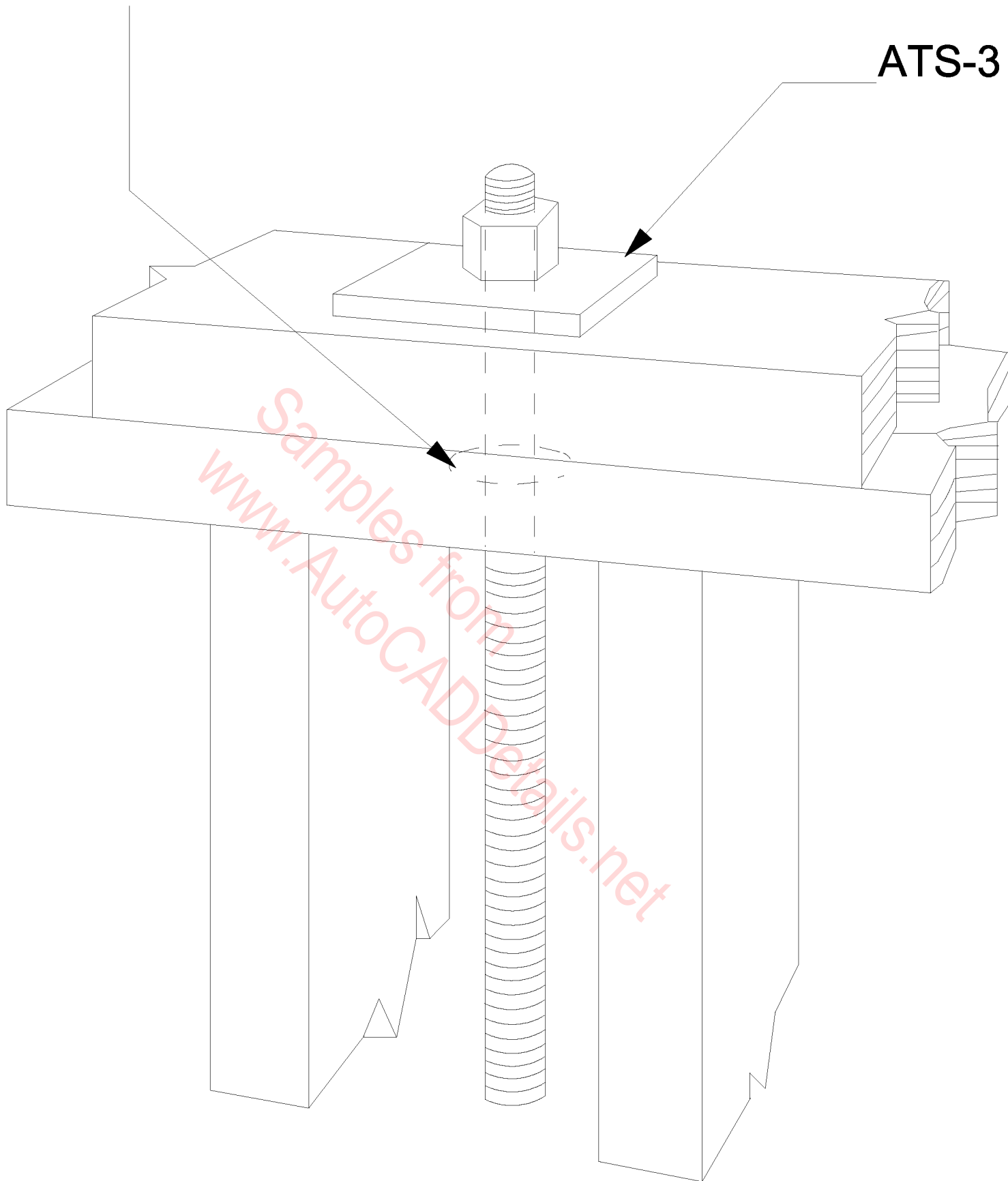
Ballooned Framed Shear Wall W/Ledger



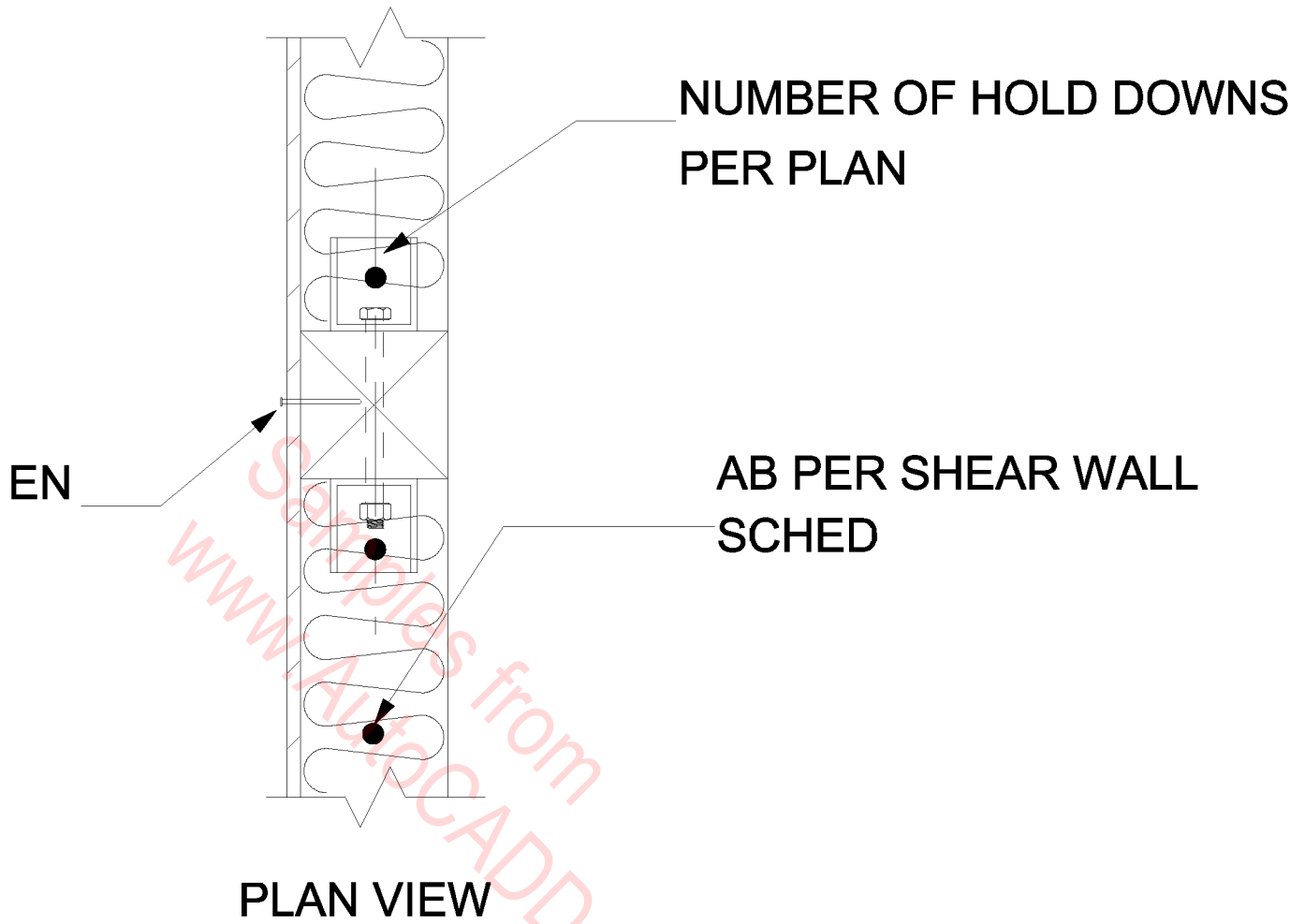
Ballooned Framed Shear Wall W/Ledger

1 1/8" Maximum Hole

ATS-3



**Bearing plate at double top plate
No splice in the top plate permitted
within 8" of the rod.**



MARK	HOLD DOWN ANCHOR	EMBED LENGTH	HOLD DOWN POST (ON)
		PER MFR	4x
		PER MFR	4x
		PER MFR	4x

Bolted Hold down & Schedule

⊕ WALL & FTG

EN FULL HGT
OF HOLD DOWN
POST

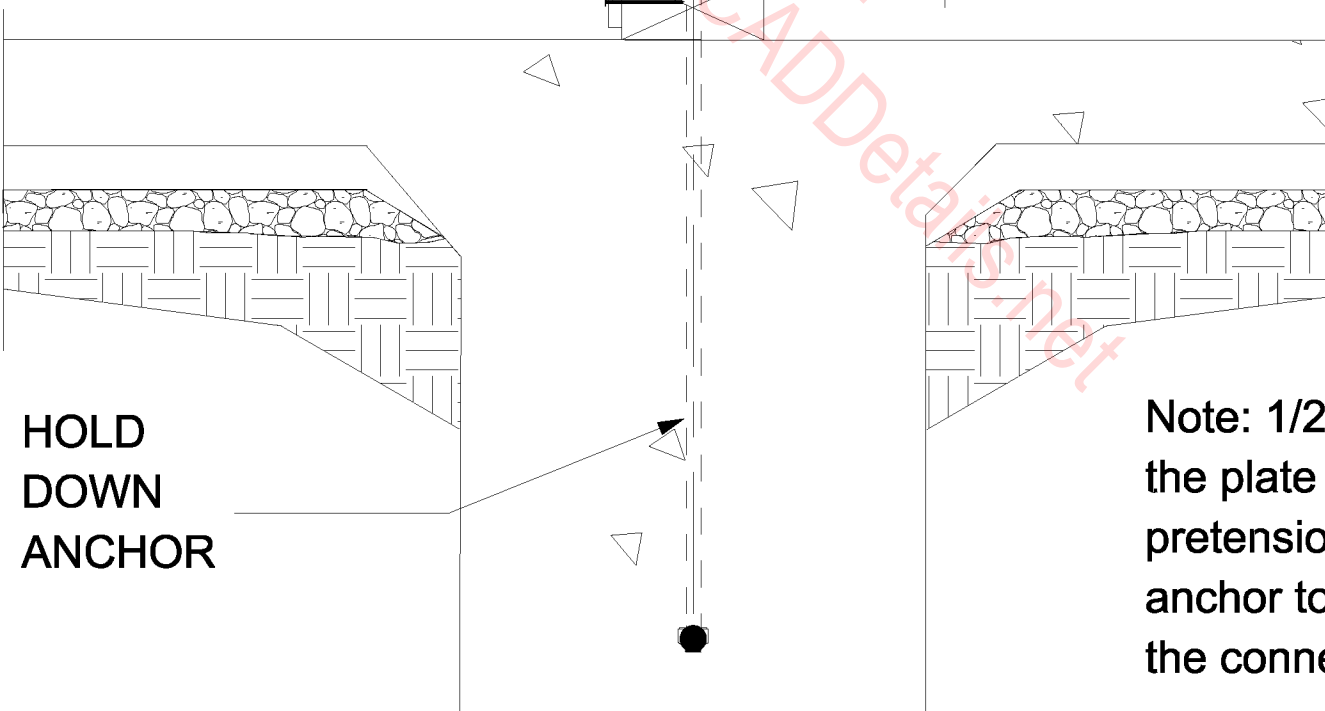
HOLD DOWN
POST (FULL HGT)

HOLD DOWN PER PLAN
INSTALL PER MFR
& GENERAL NOTES

EN

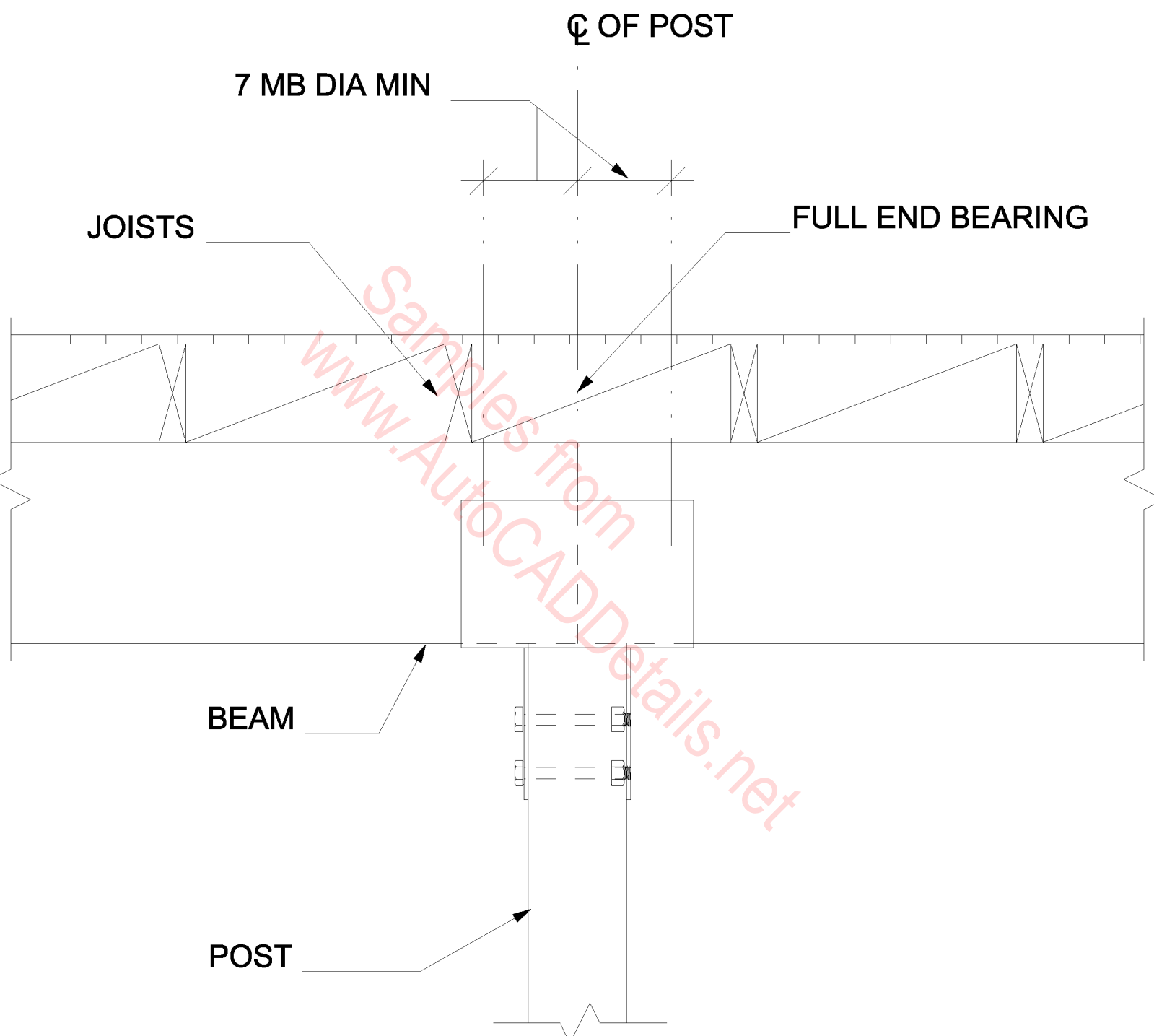
7 MB Dia Min.

1/2" Min.

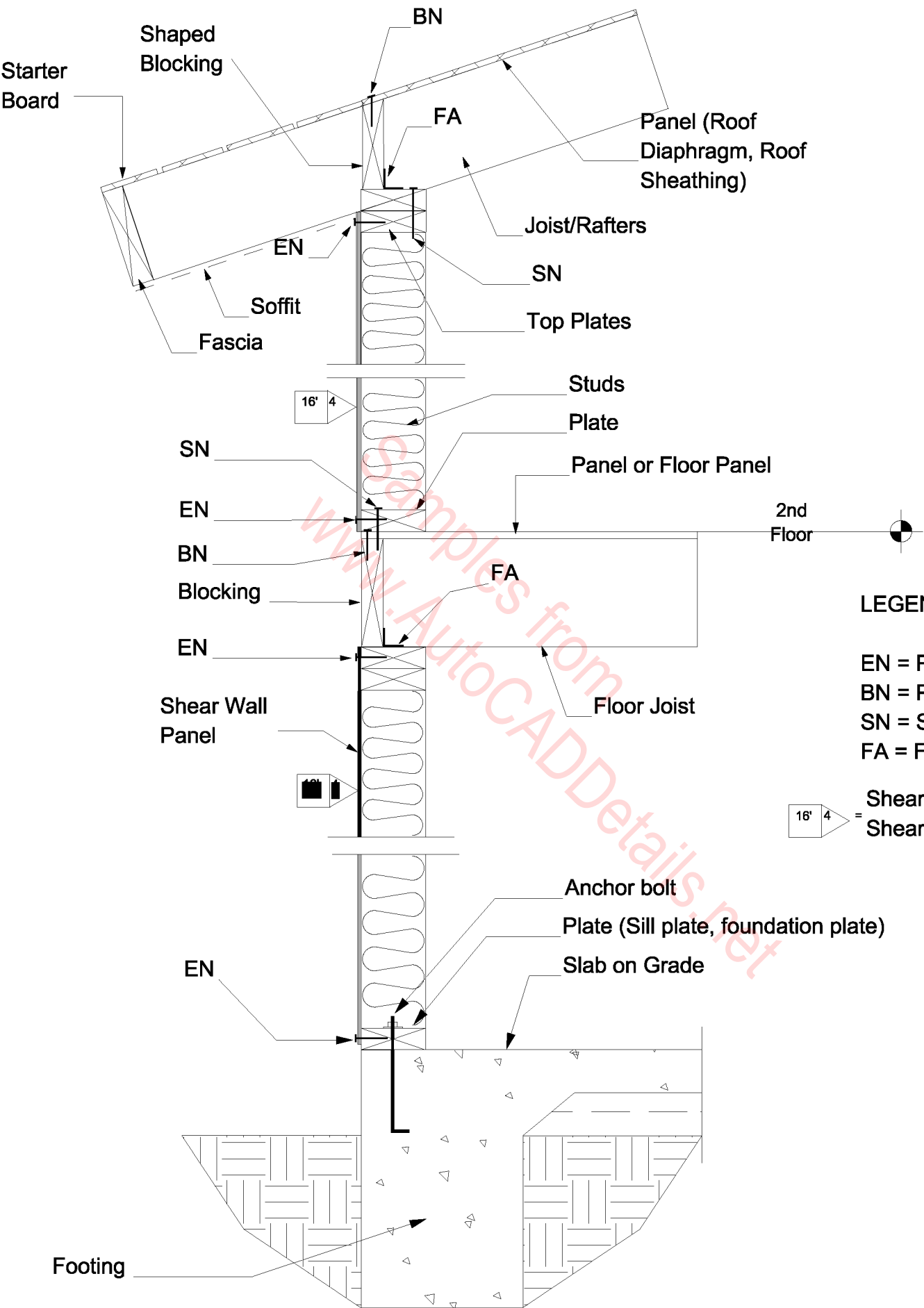


Note: 1/2" Min. above
the plate to allow for
pretensioning the
anchor to minimize
the connector slip.

Bolted Hold down



Column Cap (Strap)-Beam to Beam

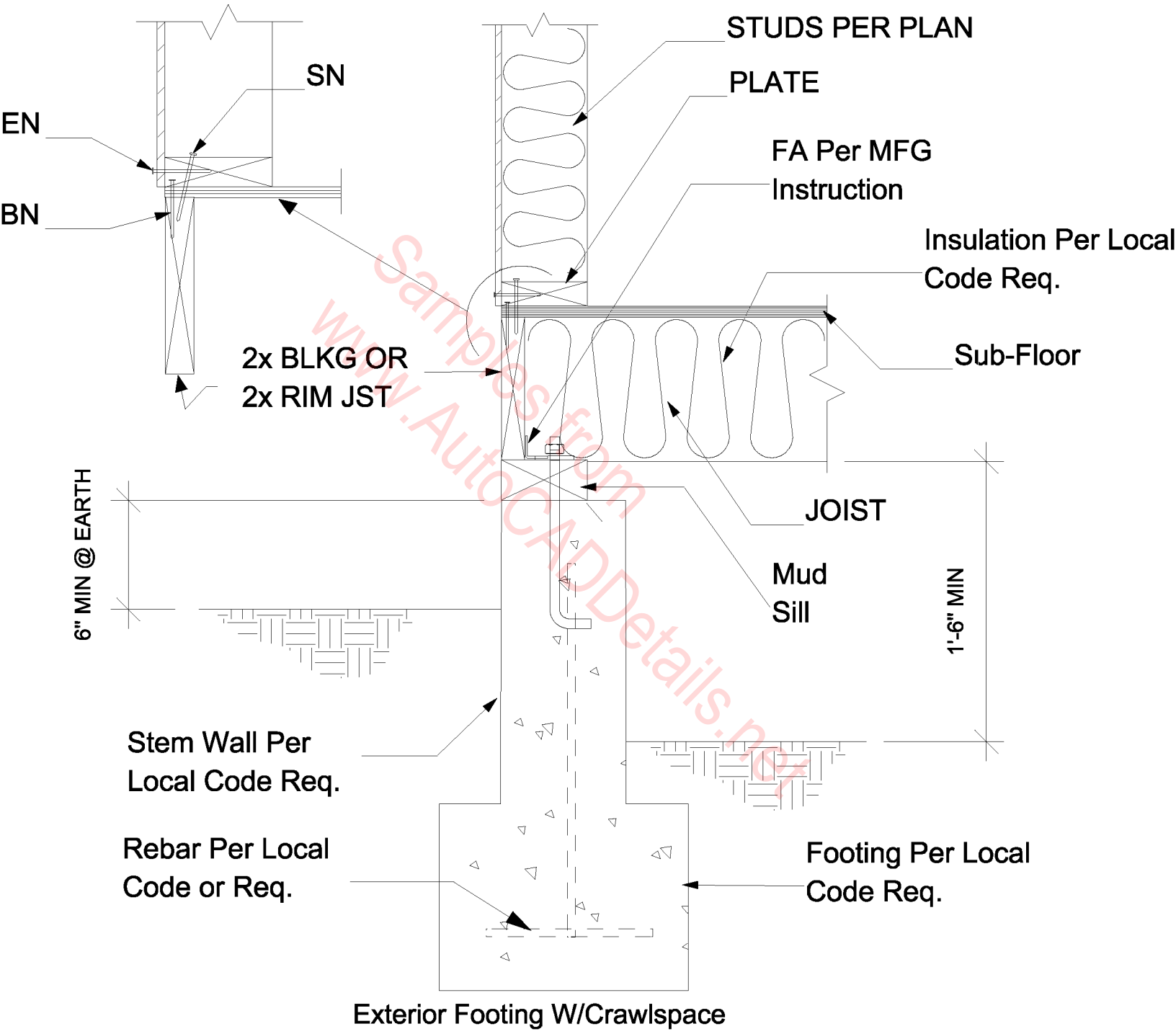


LEGEND

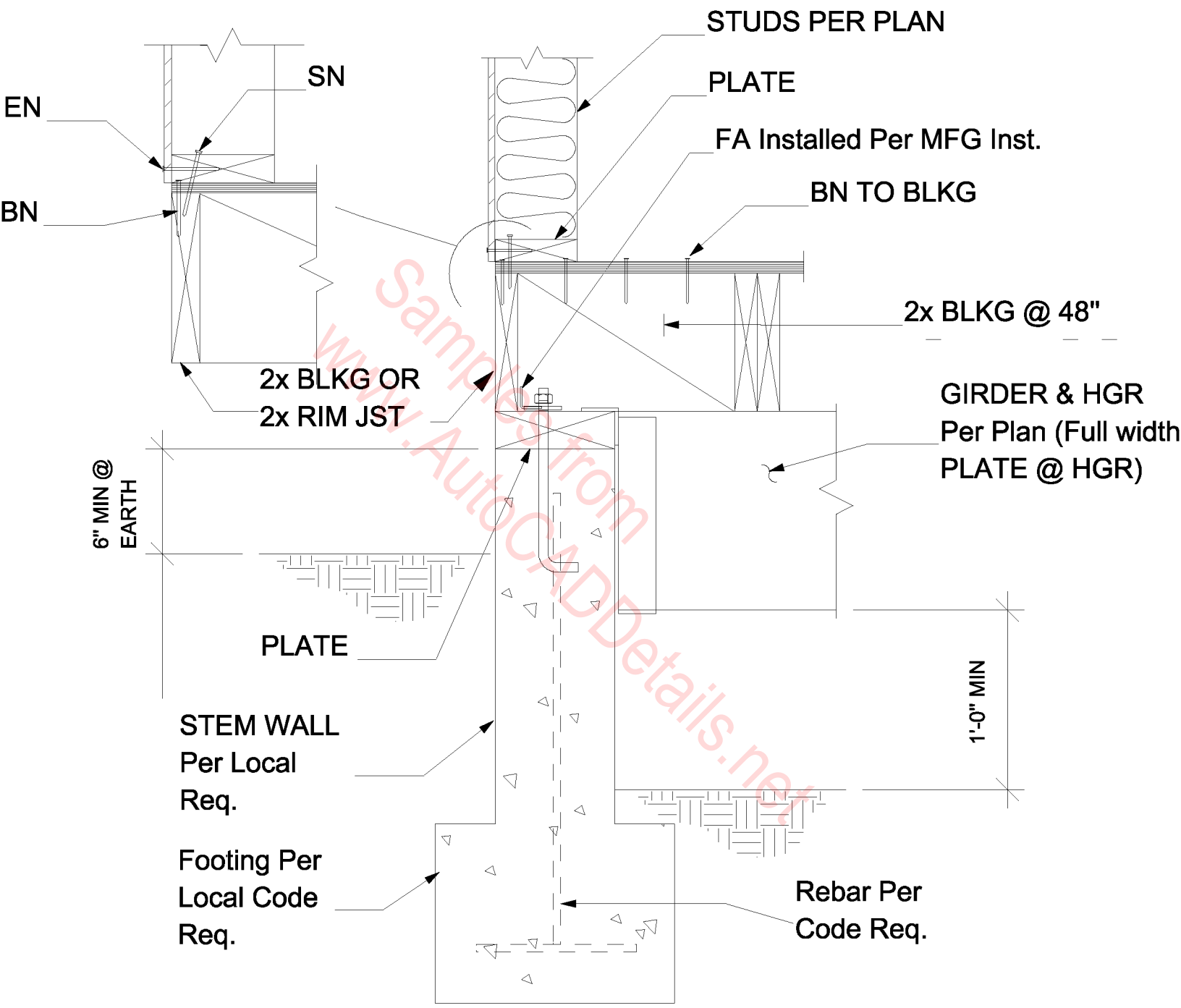
- EN = Panel Edge Nailing
- BN = Panel Boundry Nailing
- SN = Shear Nailing
- FA = Framing Anchor

 = Shear Wall Length
 Shear Wall Mark

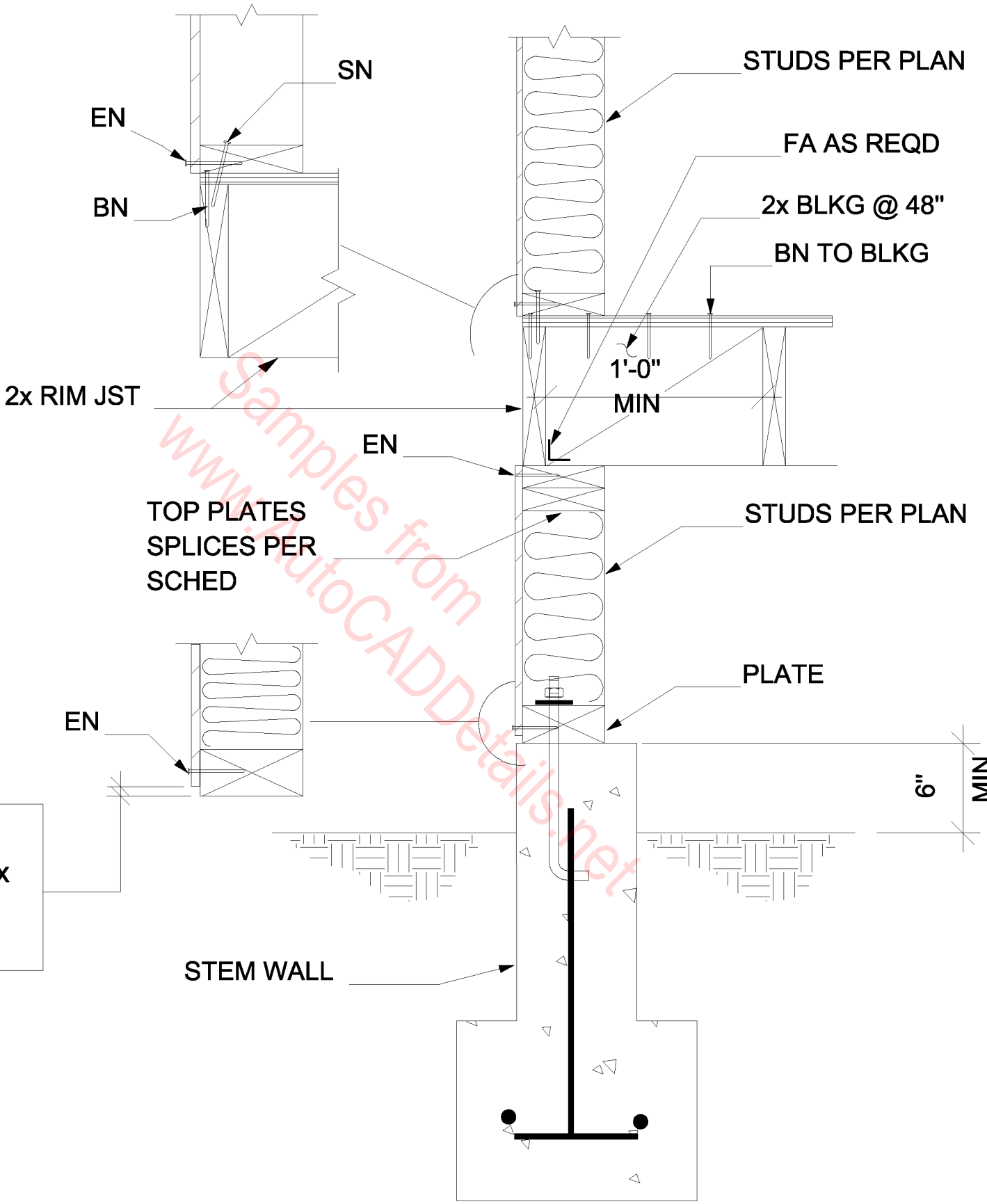
EXAMPLE OF TIMBER TERMS



Samples from
 www.AutocADDetails.net

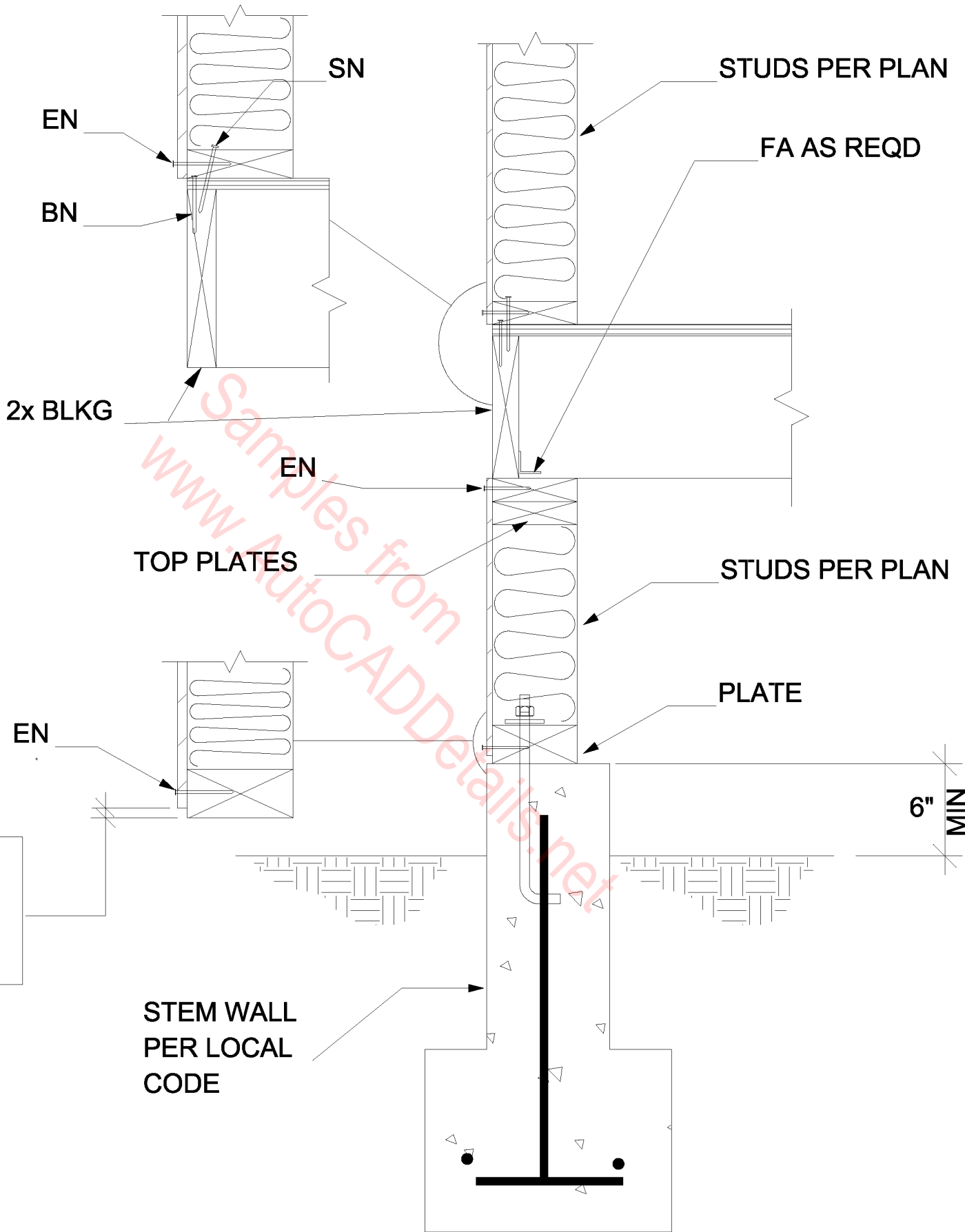


Exterior Footing W/Crawlspace



0" @ 2x
 1/2" @ 3x
 1" @ 4x

Exterior Footing W/Cripple wall



0" @ 2x
 1/2" @ 3x
 1" @ 4x

STEM WALL
 PER LOCAL
 CODE

Exterior Footing W/Cripple Wall

0" @ 2x
1/2" @ 3x
1" @ 4x

2" MAX

EN

6" MIN @ EARTH

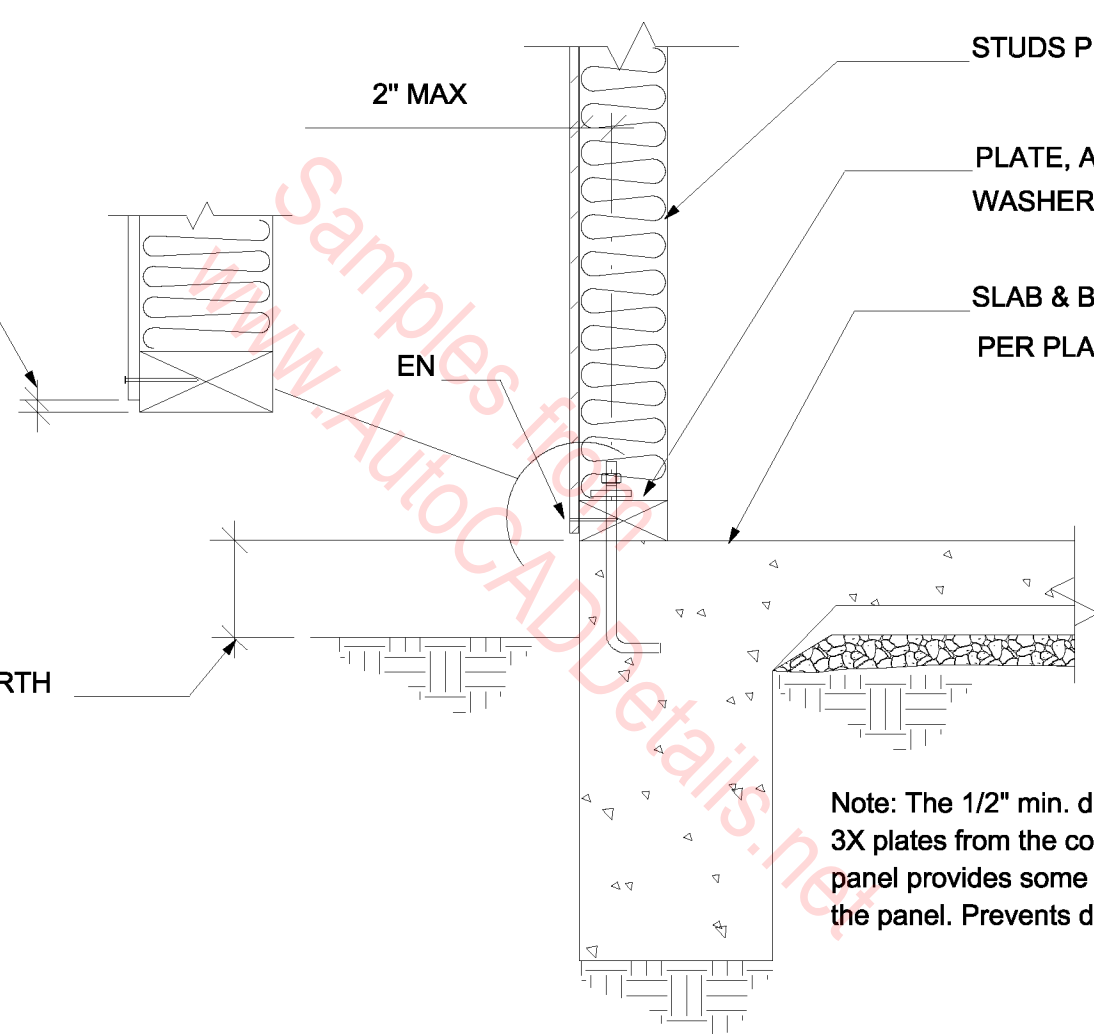
STUDS PER PLAN

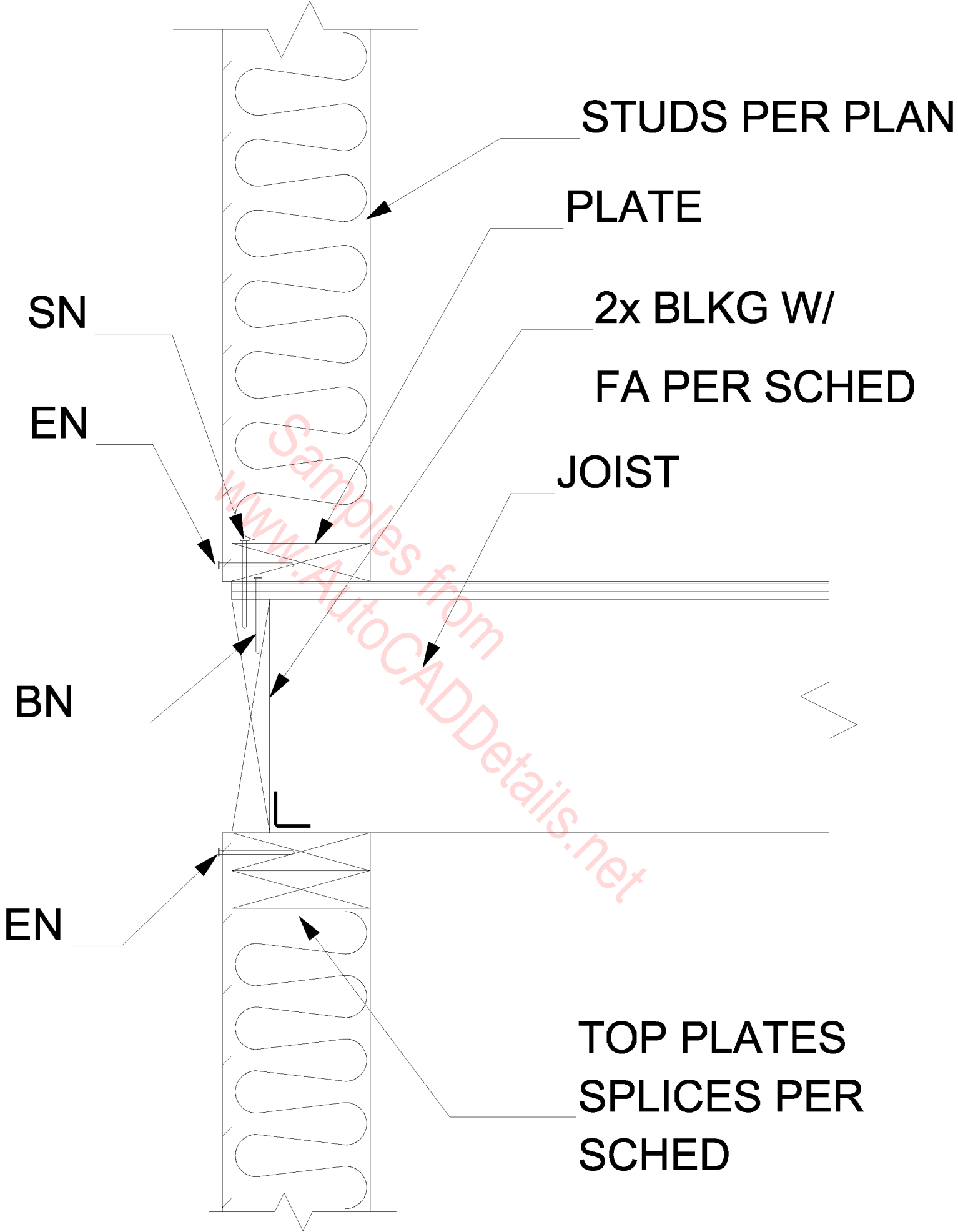
PLATE, AB & PLATE
WASHER PER SCHED

SLAB & BASE COURSE
PER PLAN

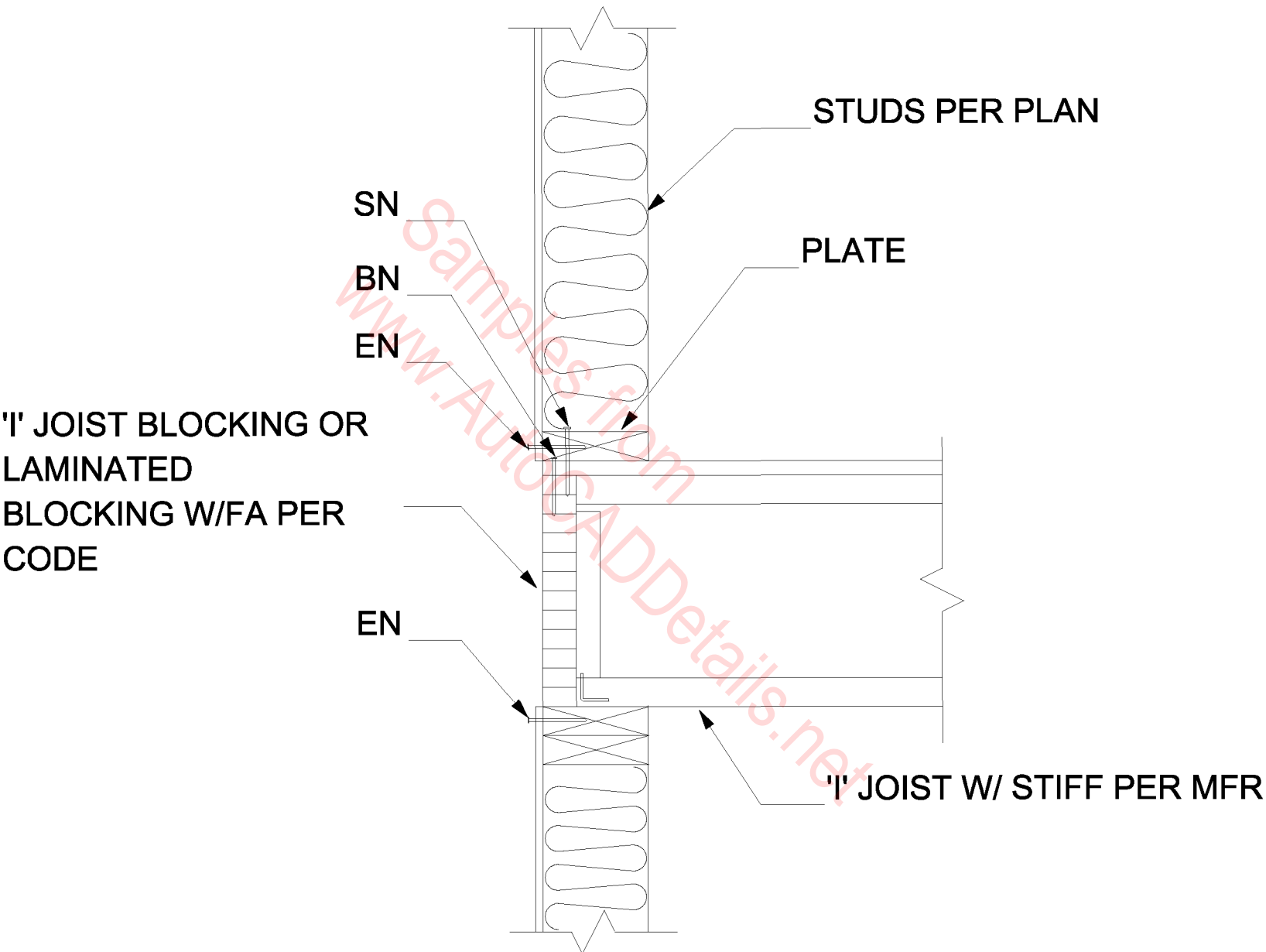
Note: The 1/2" min. distance specified for the 3X plates from the concrete to bottom of the panel provides some moisture protection for the panel. Prevents dry rot.

Exterior Footing

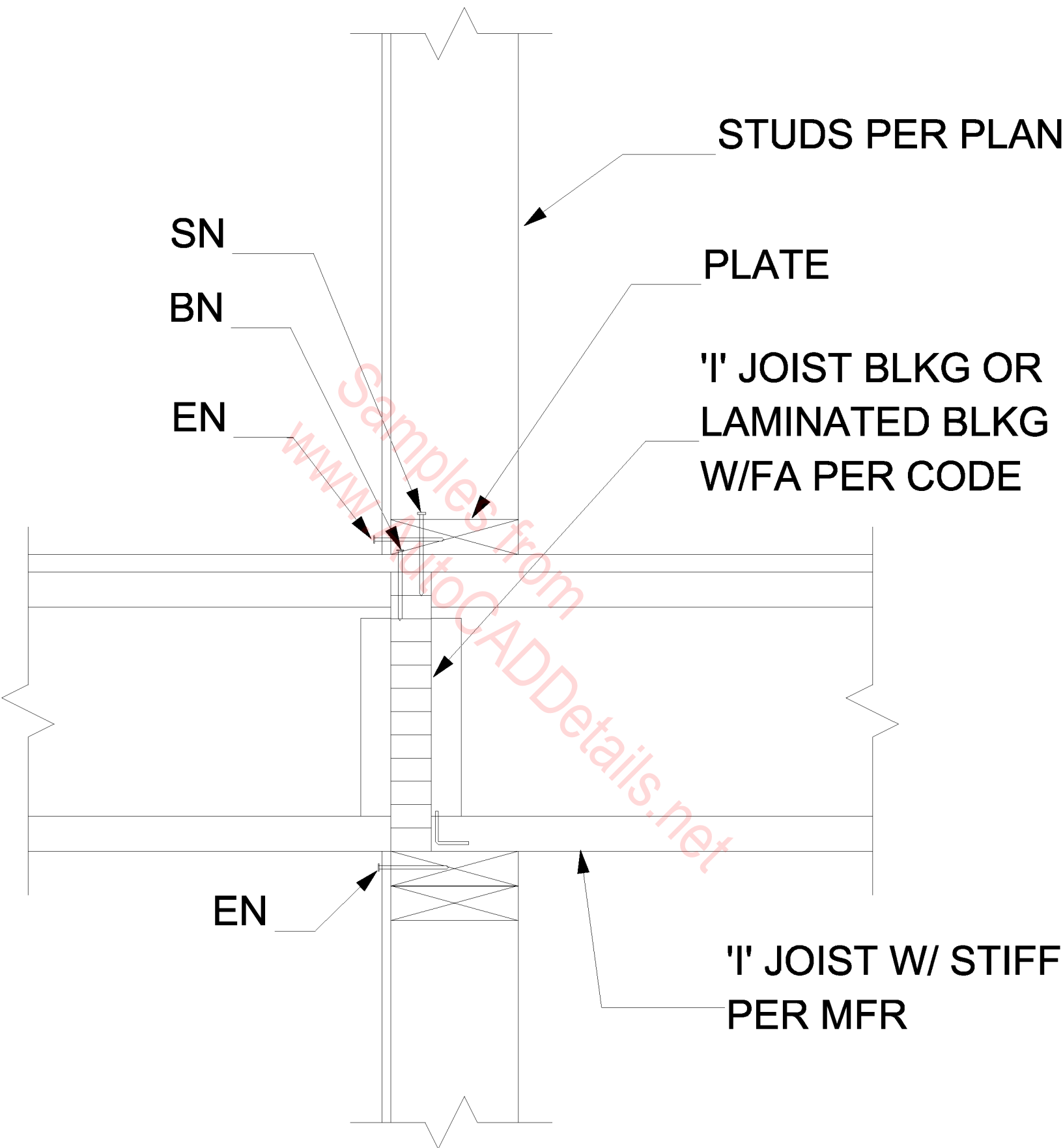




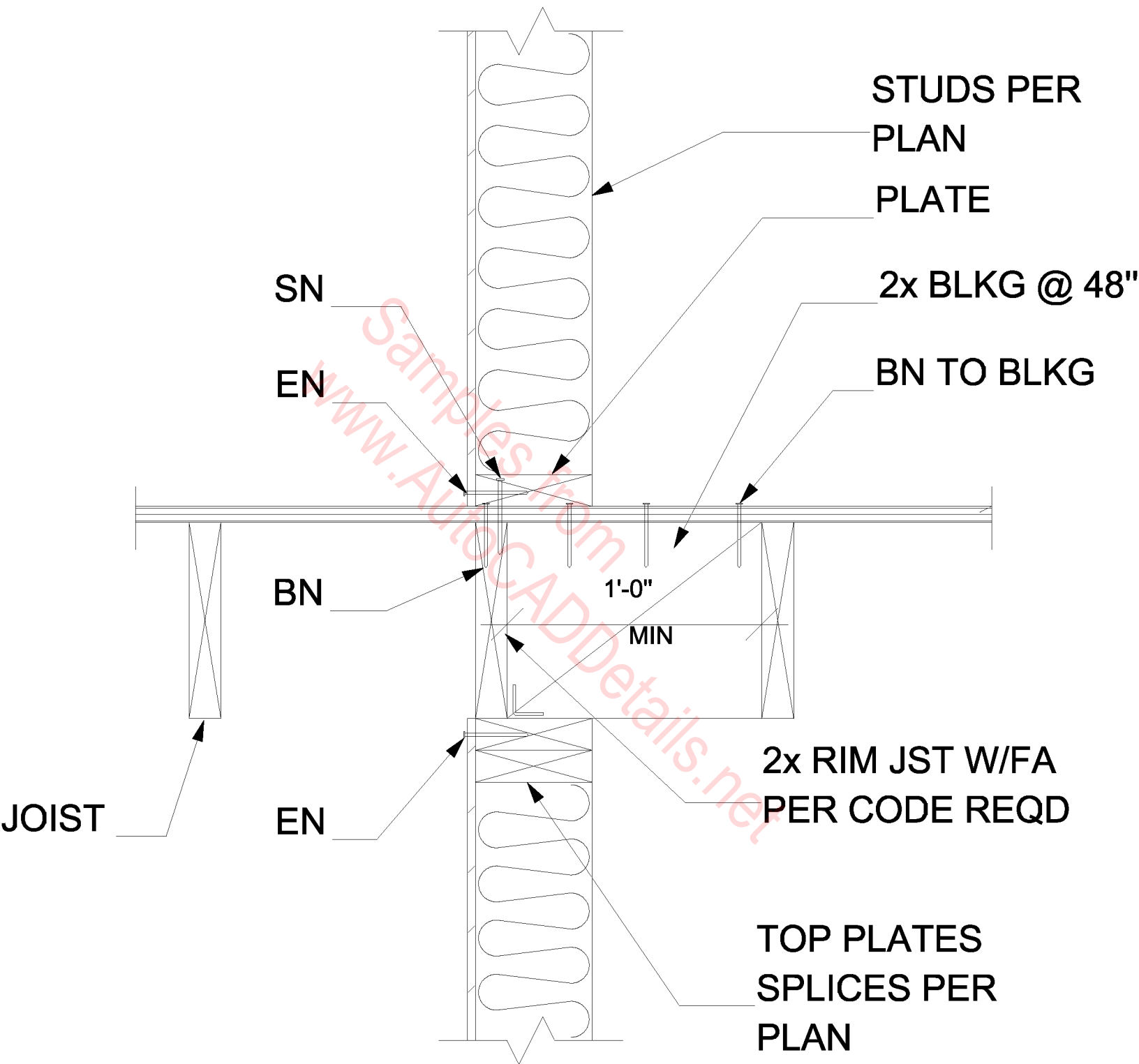
Exterior Shear Wall W/Blocking



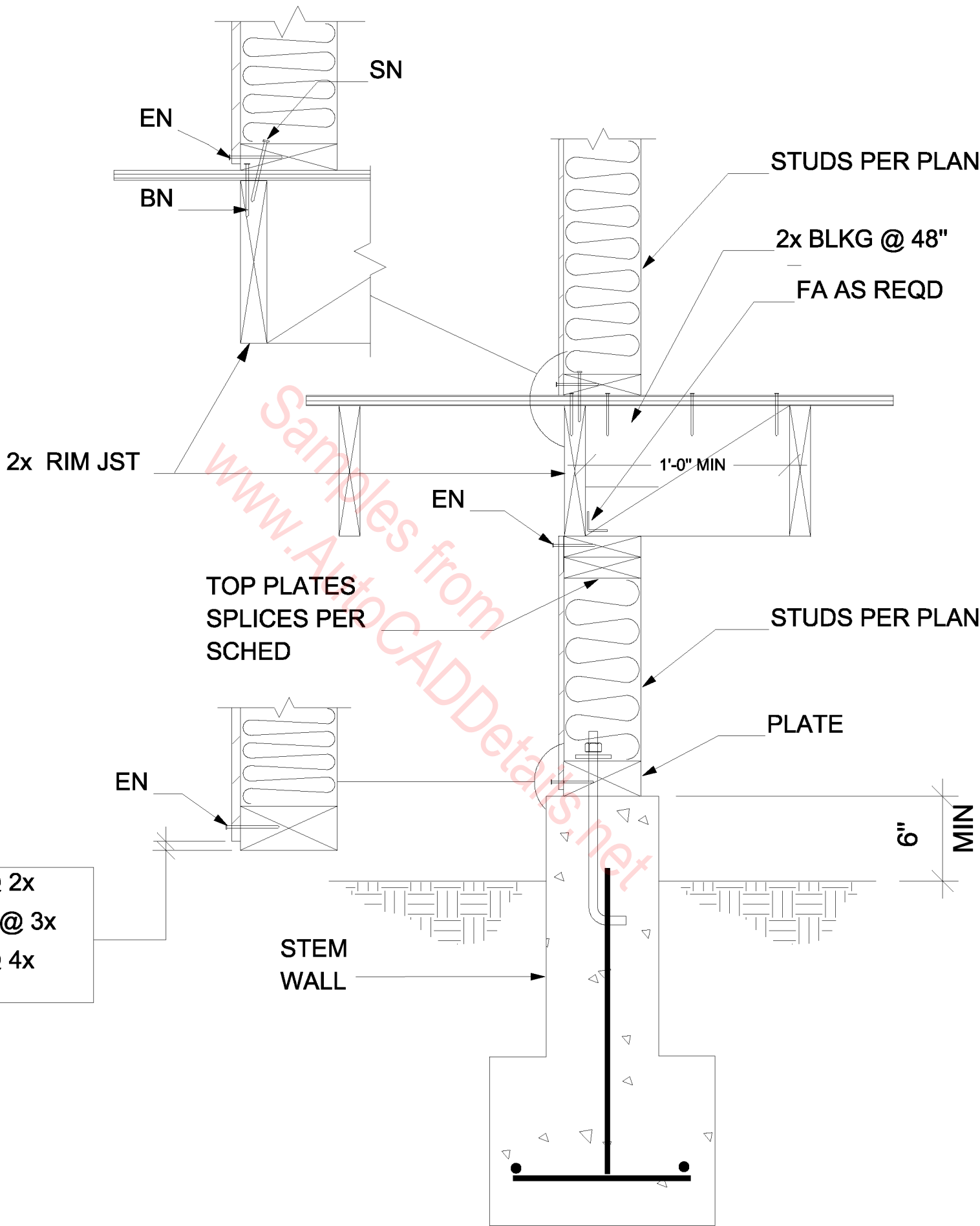
Exterior Shear Wall W/I-Joists



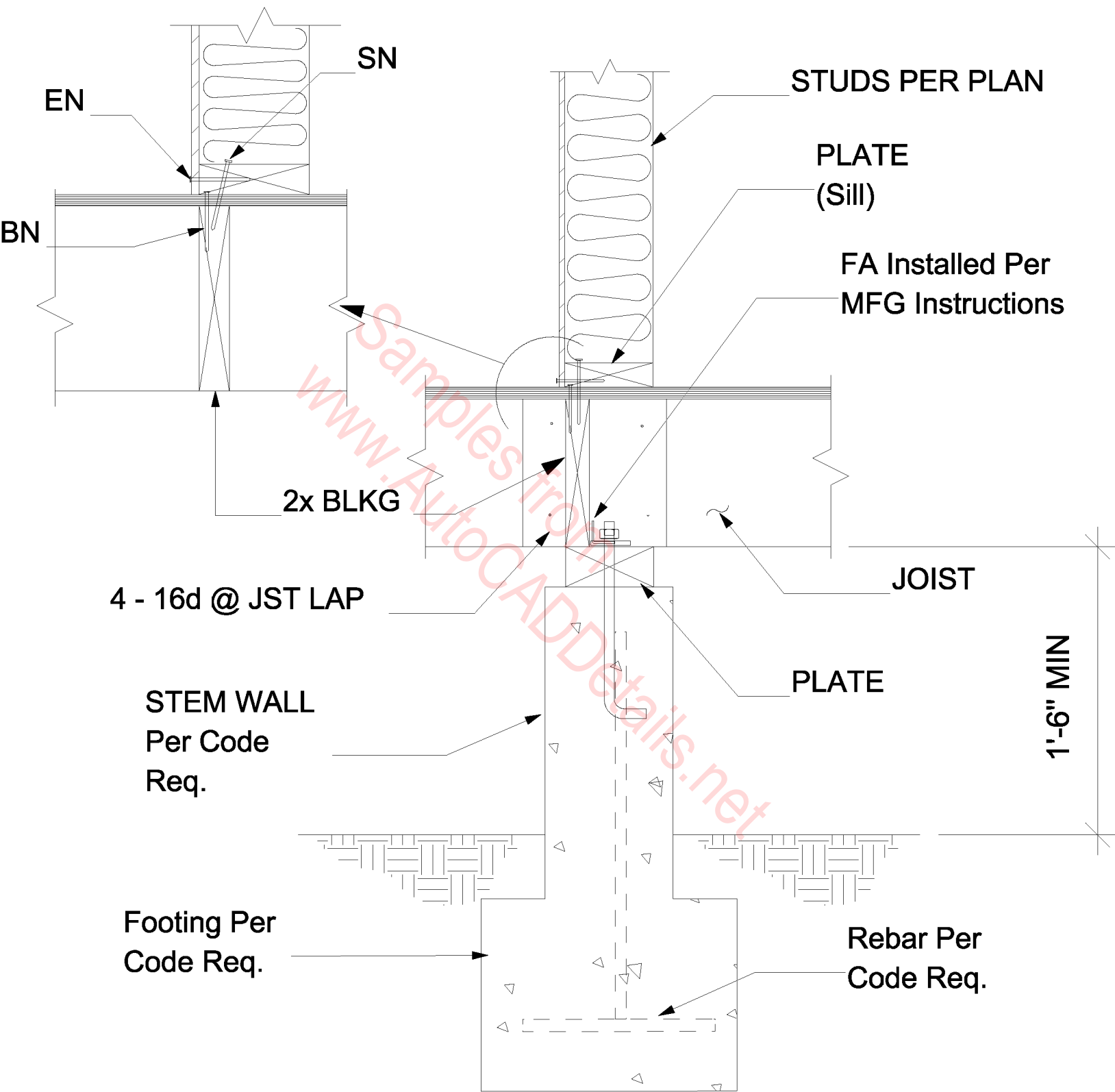
Interior Shear Wall W/I-Joist



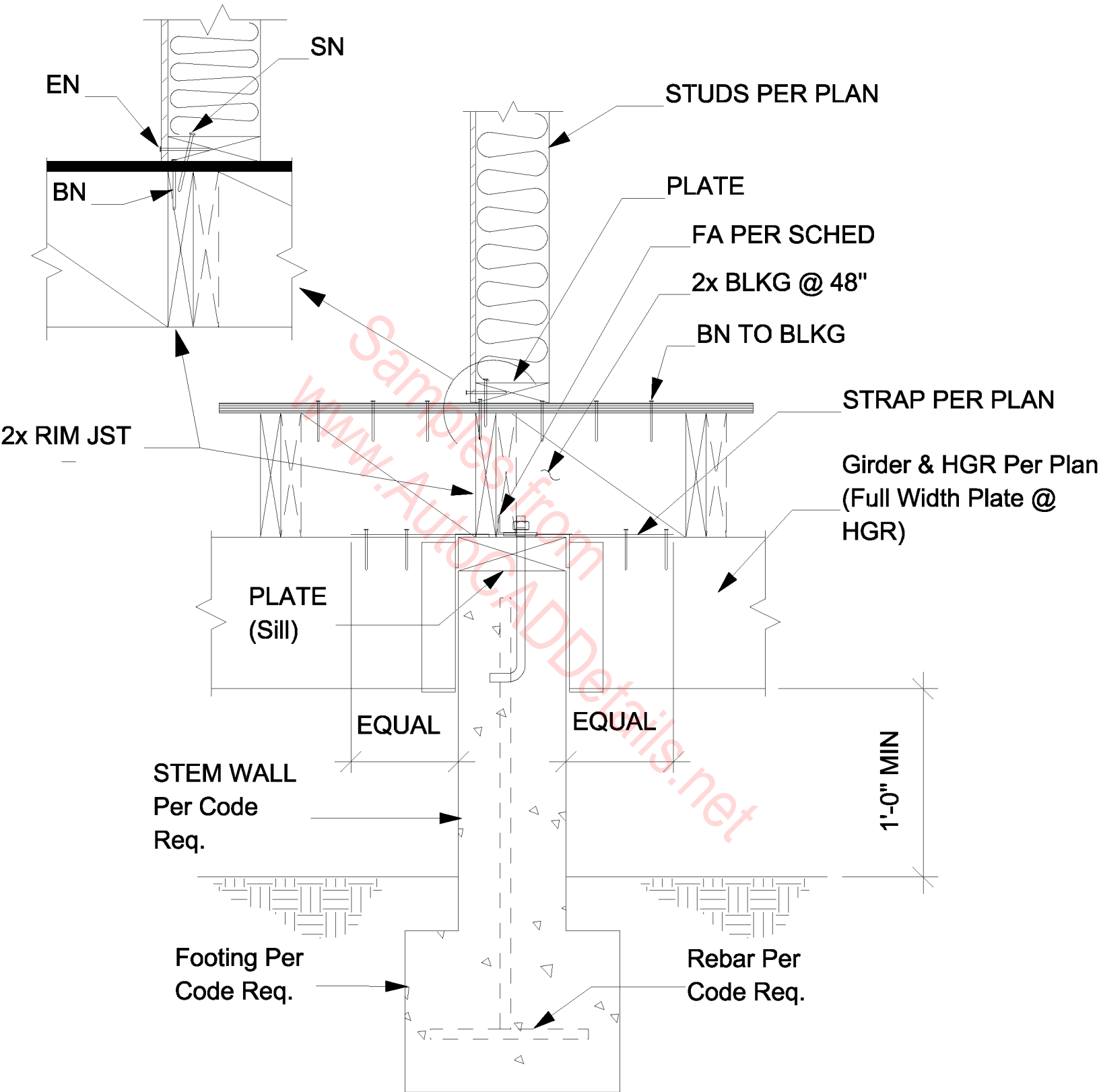
Interior Shear Wall W/Rim Joist



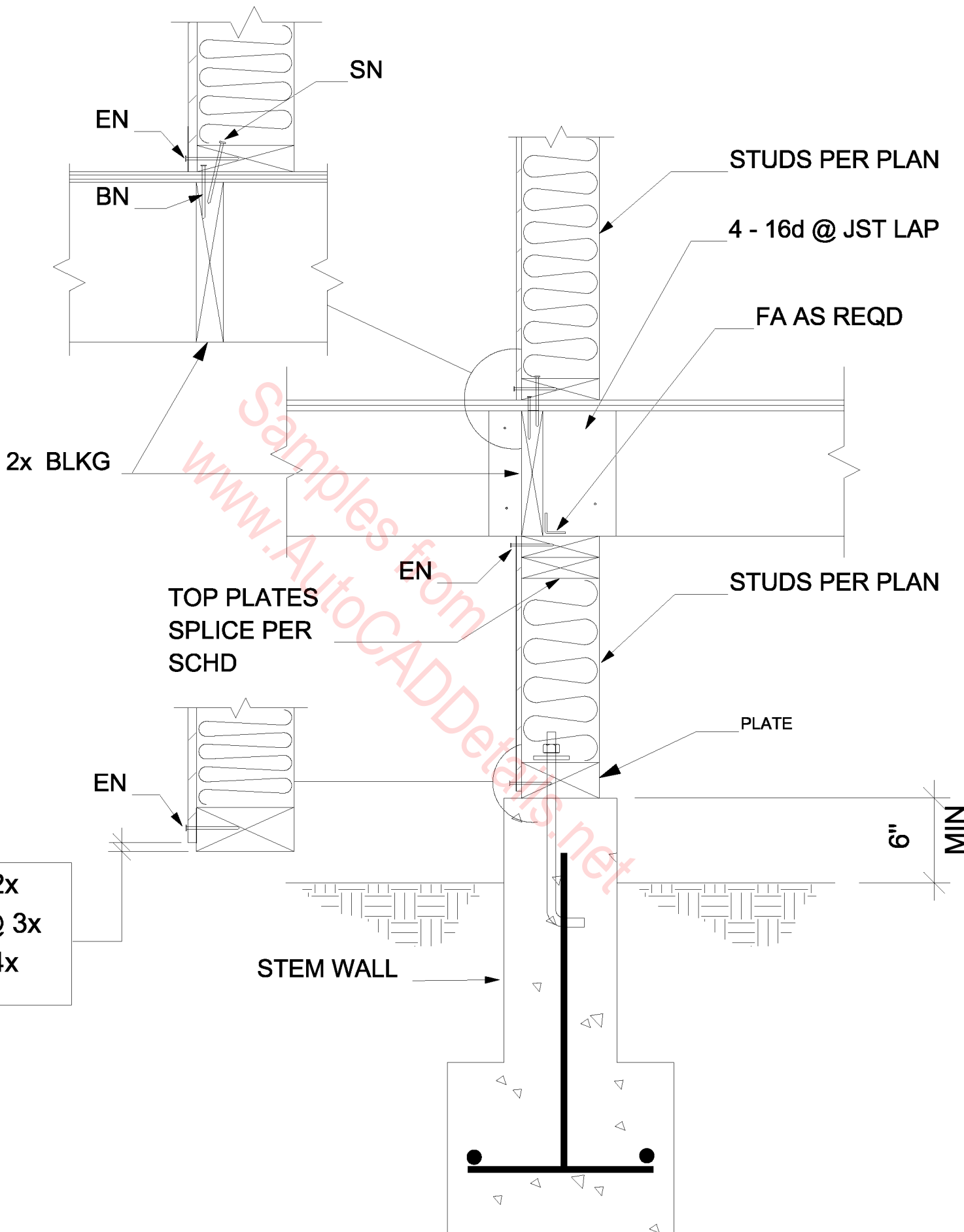
Interior Footing W/CrawlSpace & Cripple Wall



Interior Footing W/Crawlspace



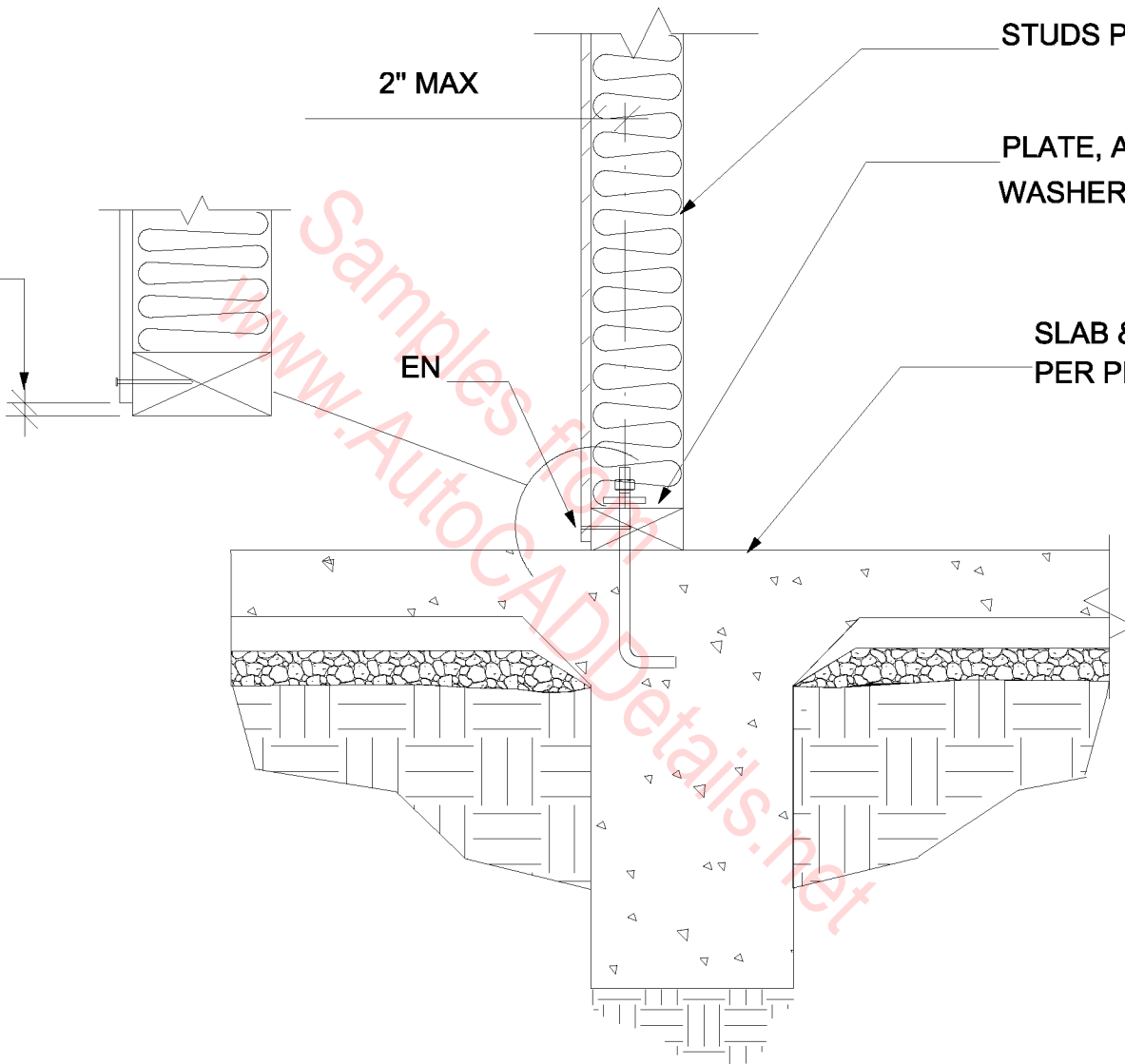
Interior Footing W/Crawl space



0" @ 2x
 1/2" @ 3x
 1" @ 4x

Interior Footing W/Cripple Wall

0" @ 2x
1/2" @ 3x
1" @ 4x



2" MAX

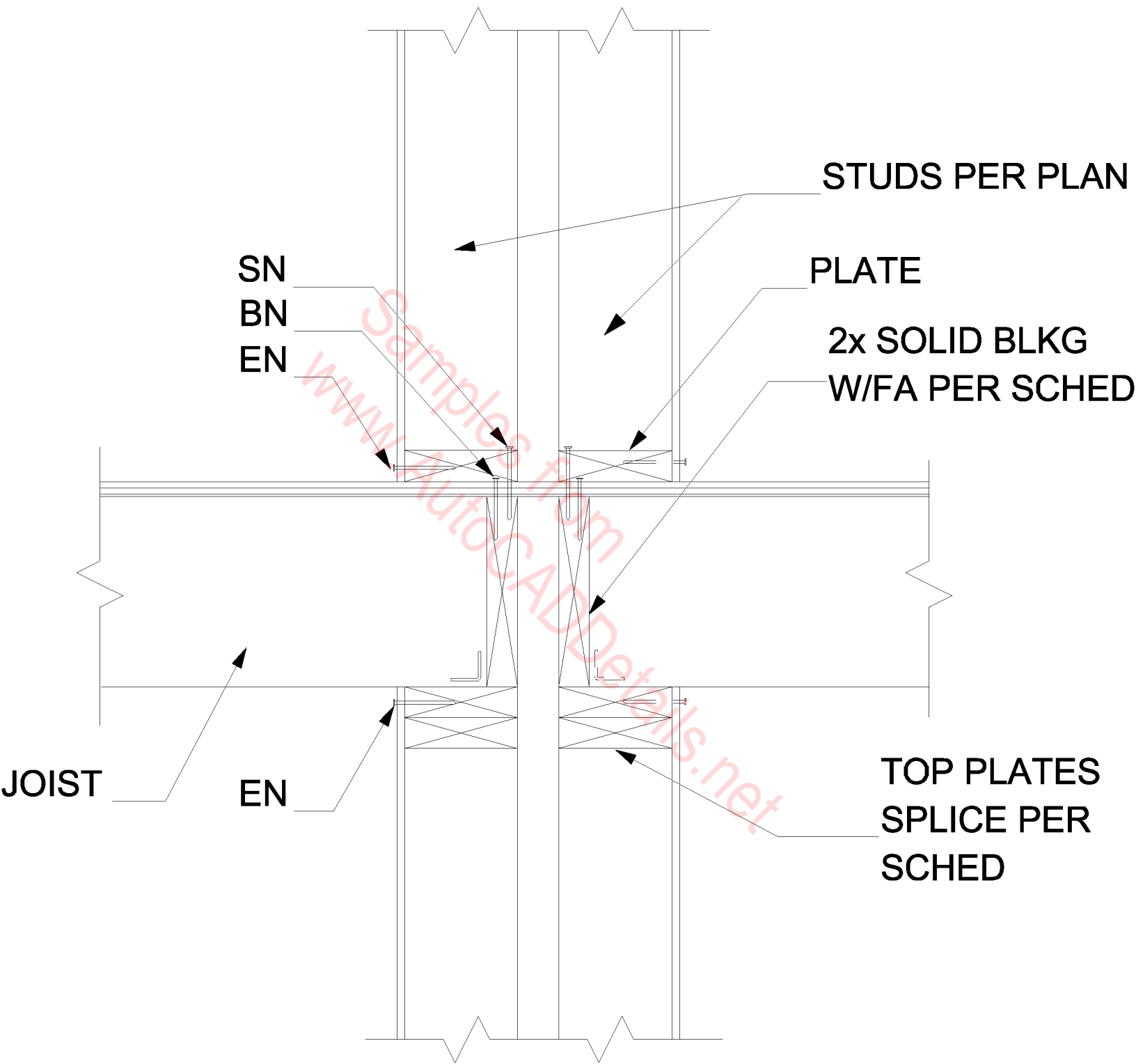
STUDS PER PLAN

PLATE, AB & PLATE
WASHER PER SCHED

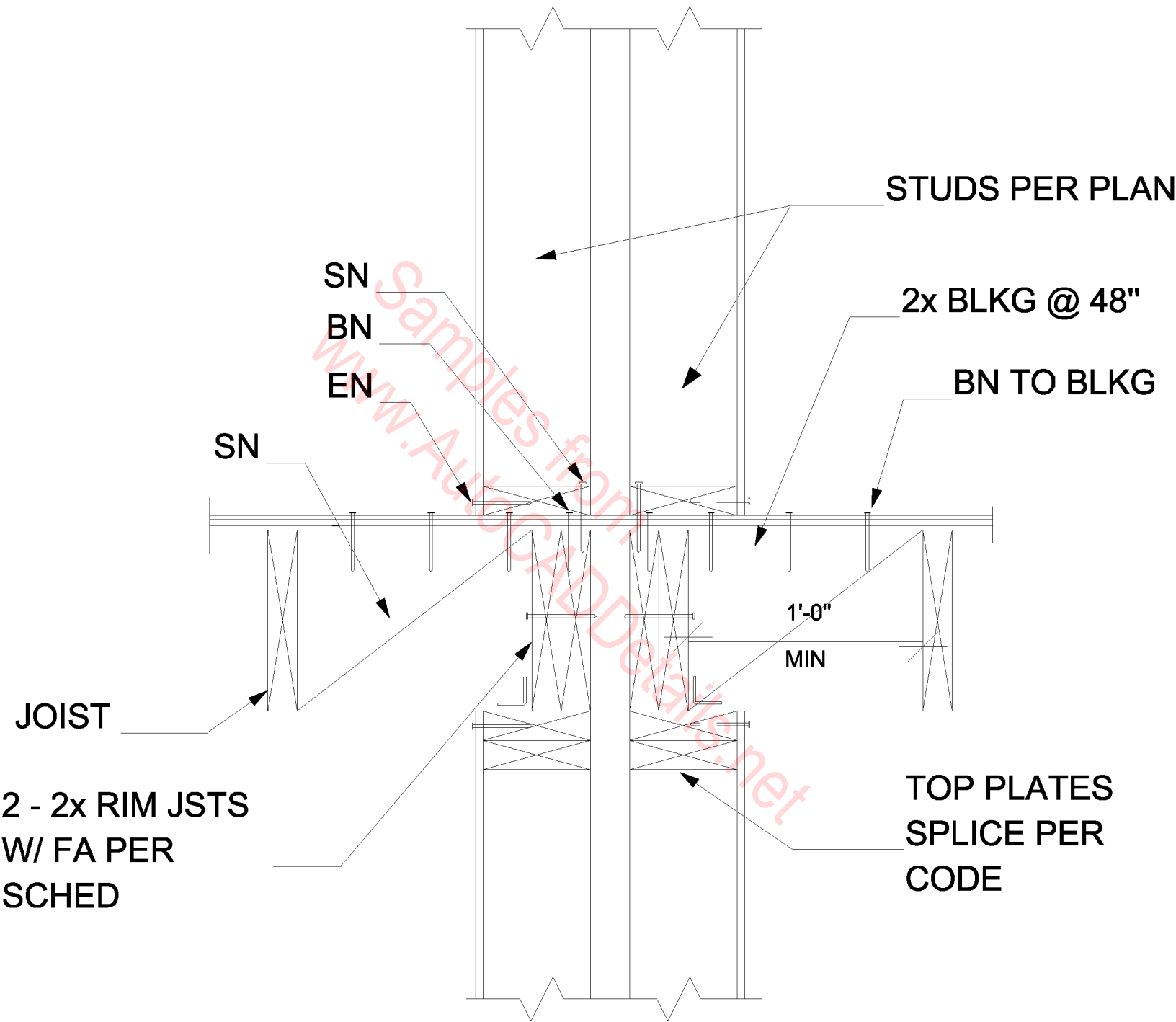
SLAB & BASE COURSE
PER PLAN

EN

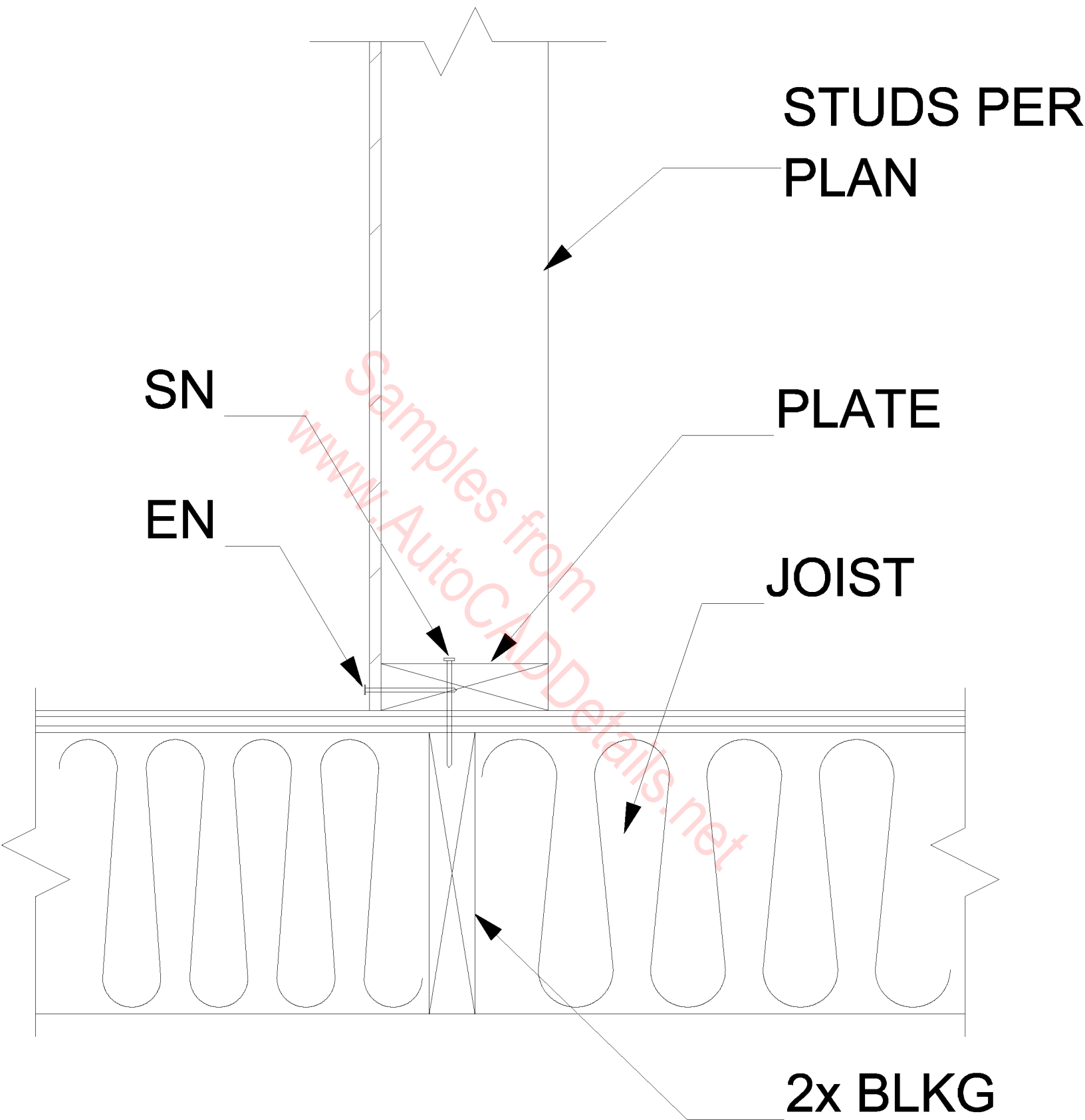
Interior Footing



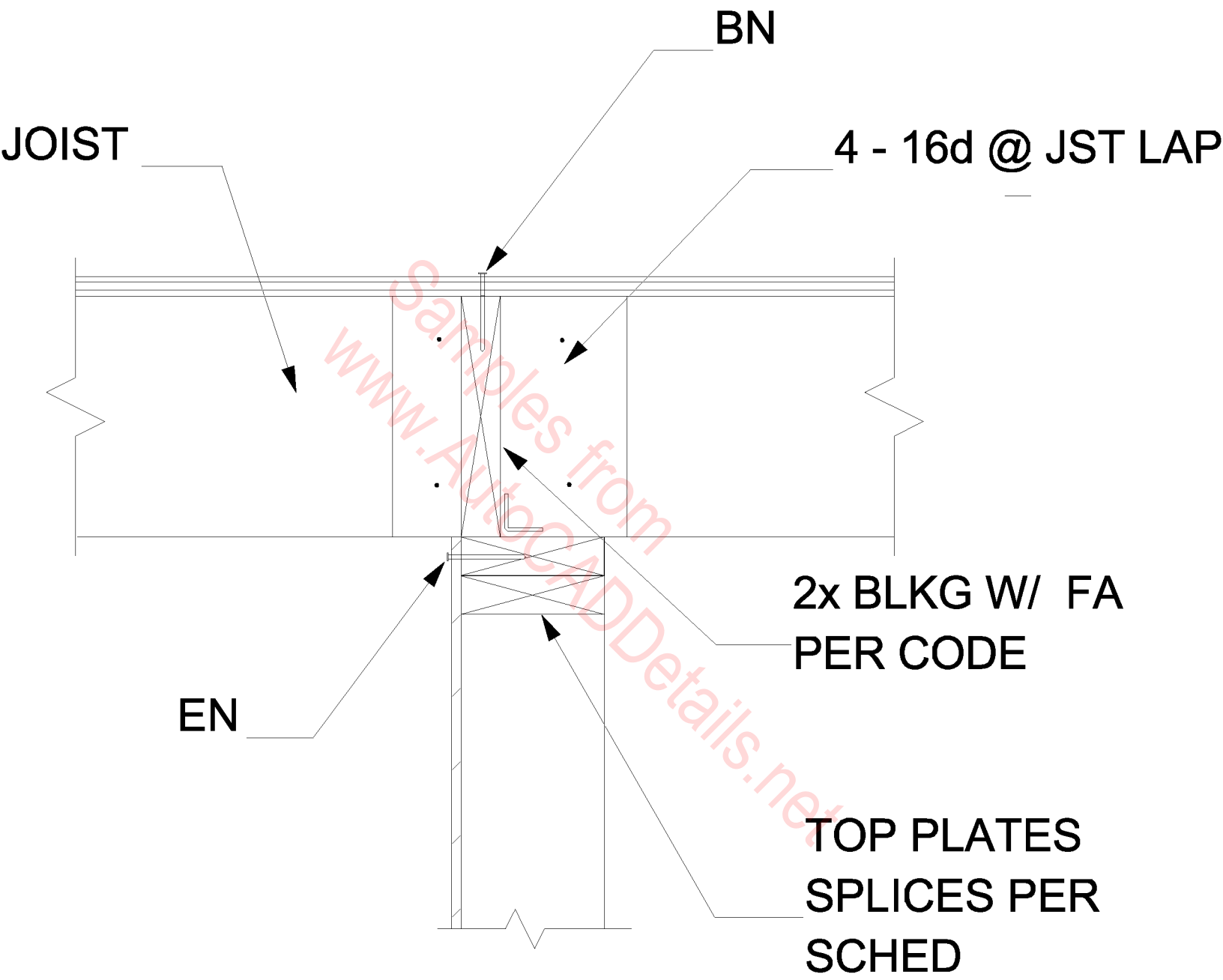
Interior Party Shear Wall W/Blocking



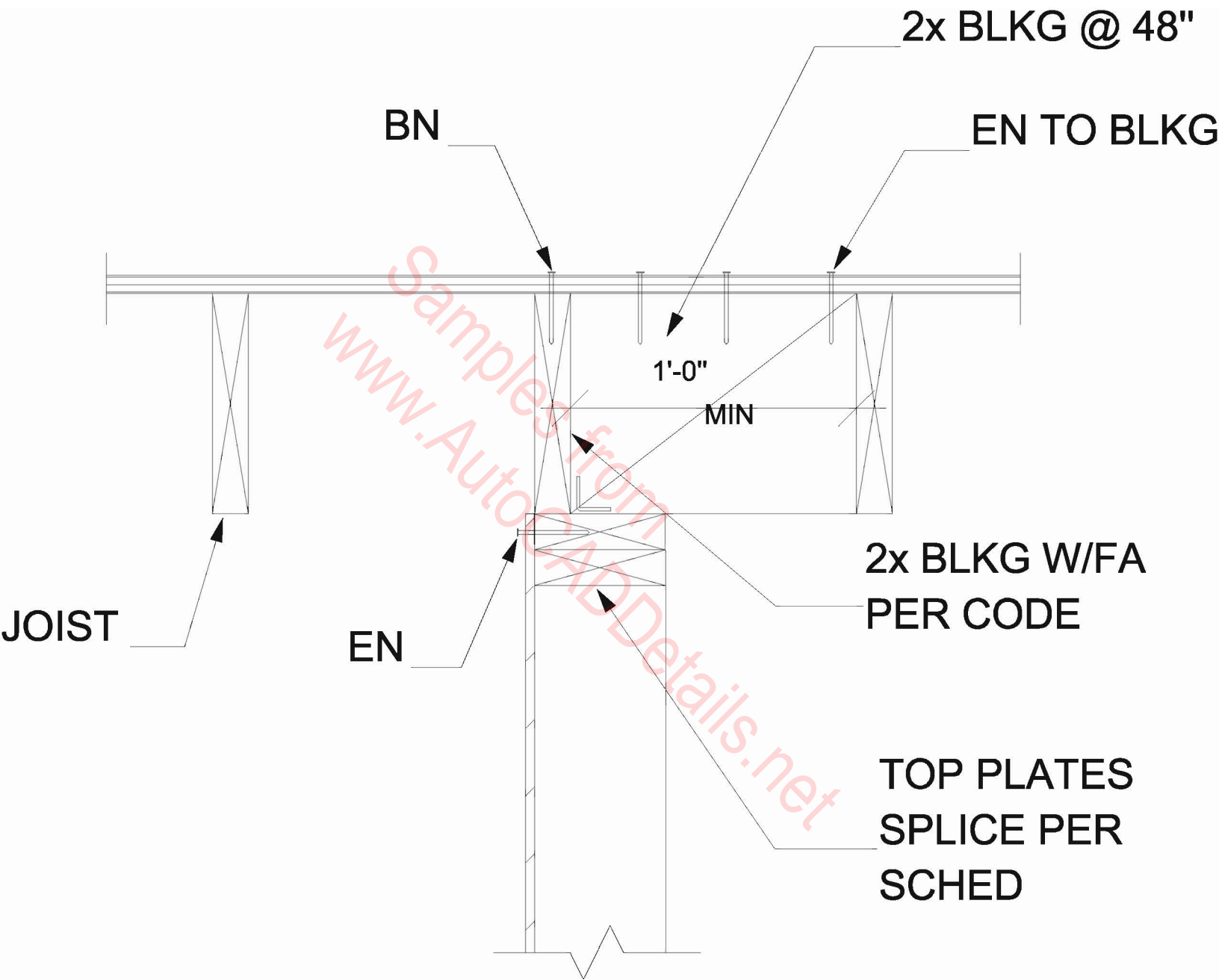
Interior Party Shear Wall W/Rim Joists



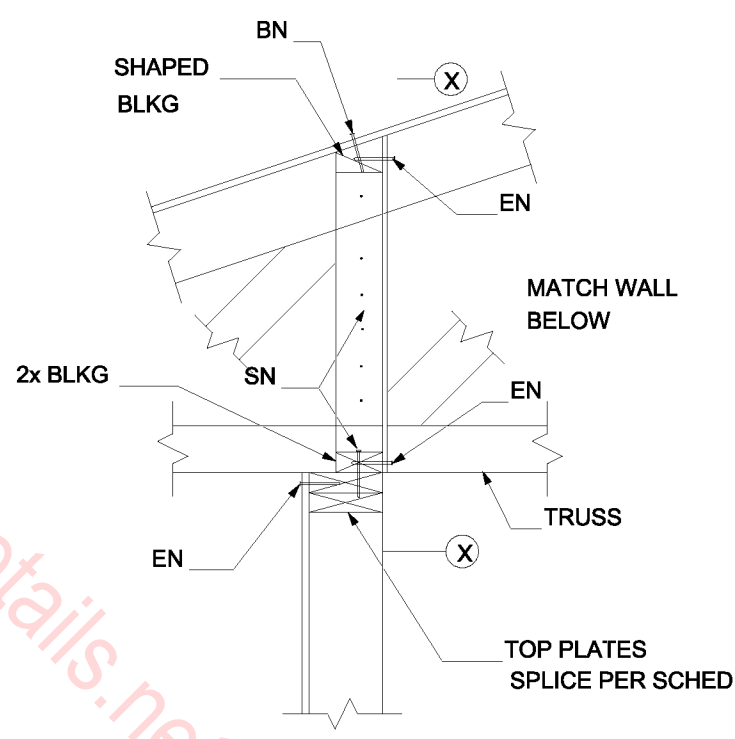
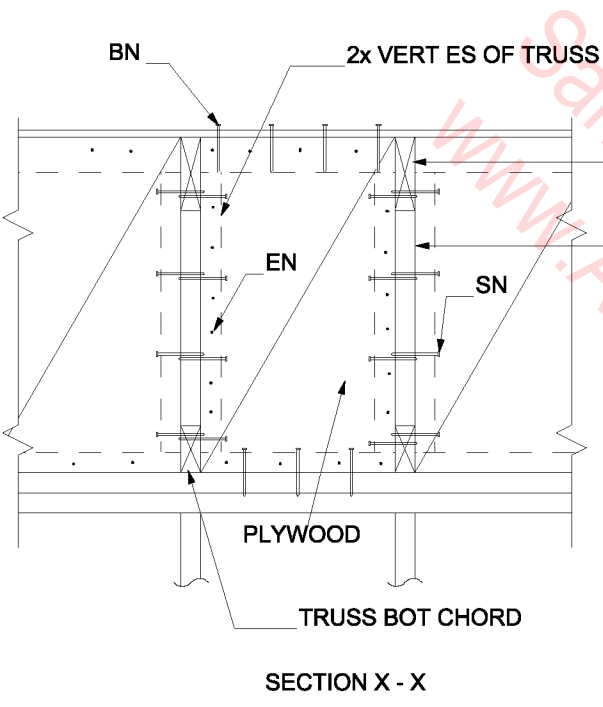
Interior Shear Wall Above



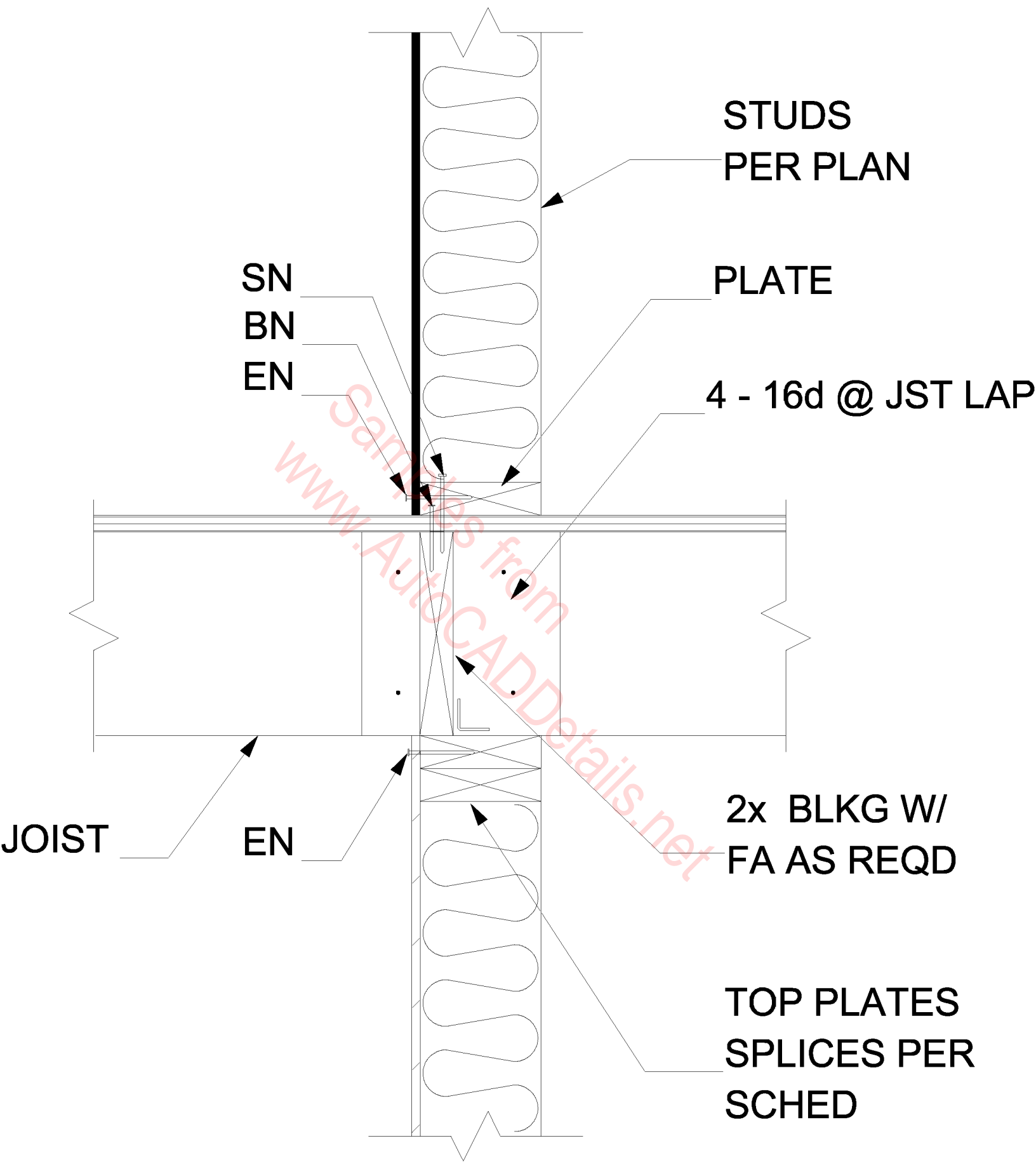
Interior Shear Wall Below W/Blocking



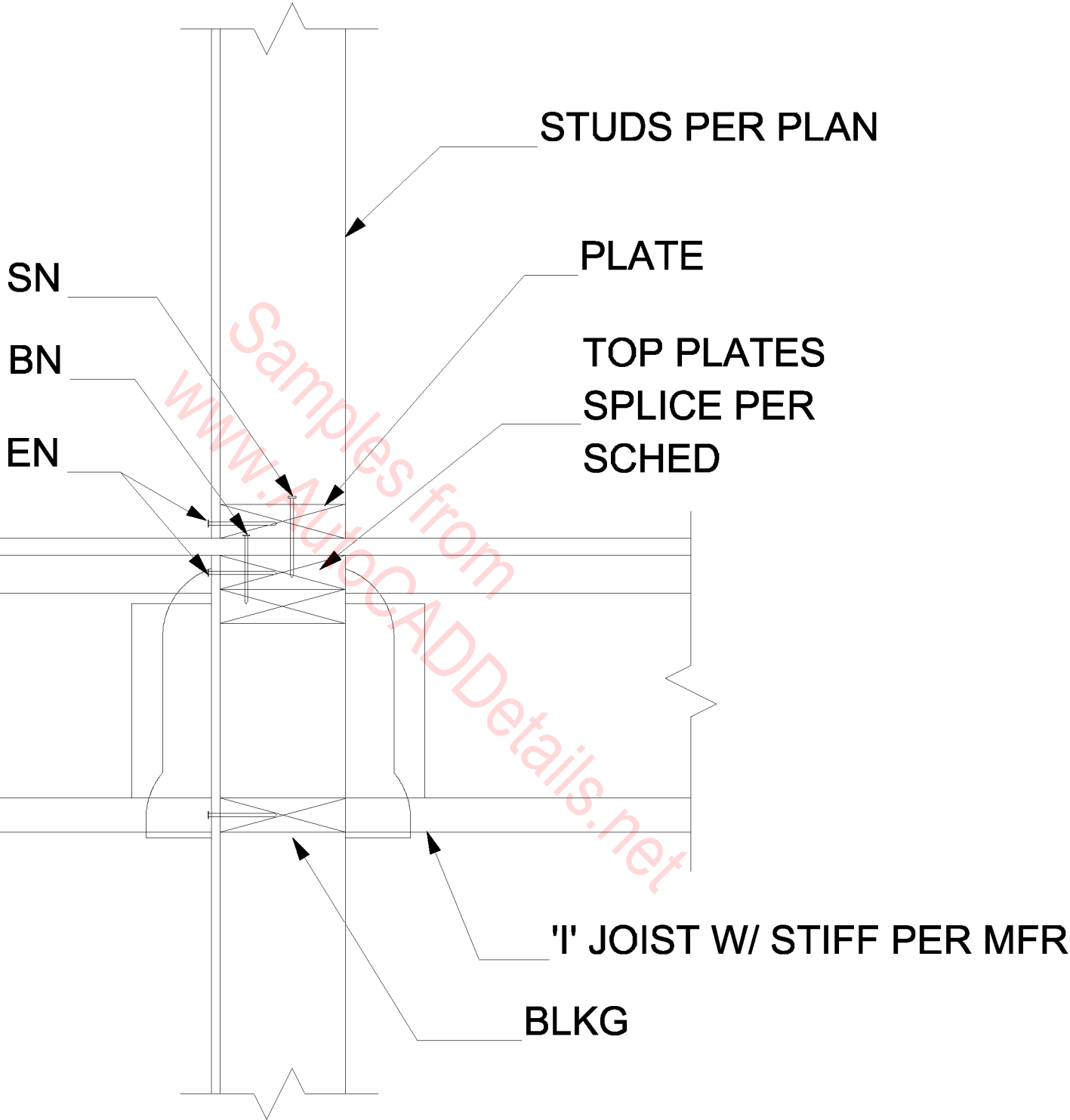
Interior Shear Wall Below W/Rim Joist



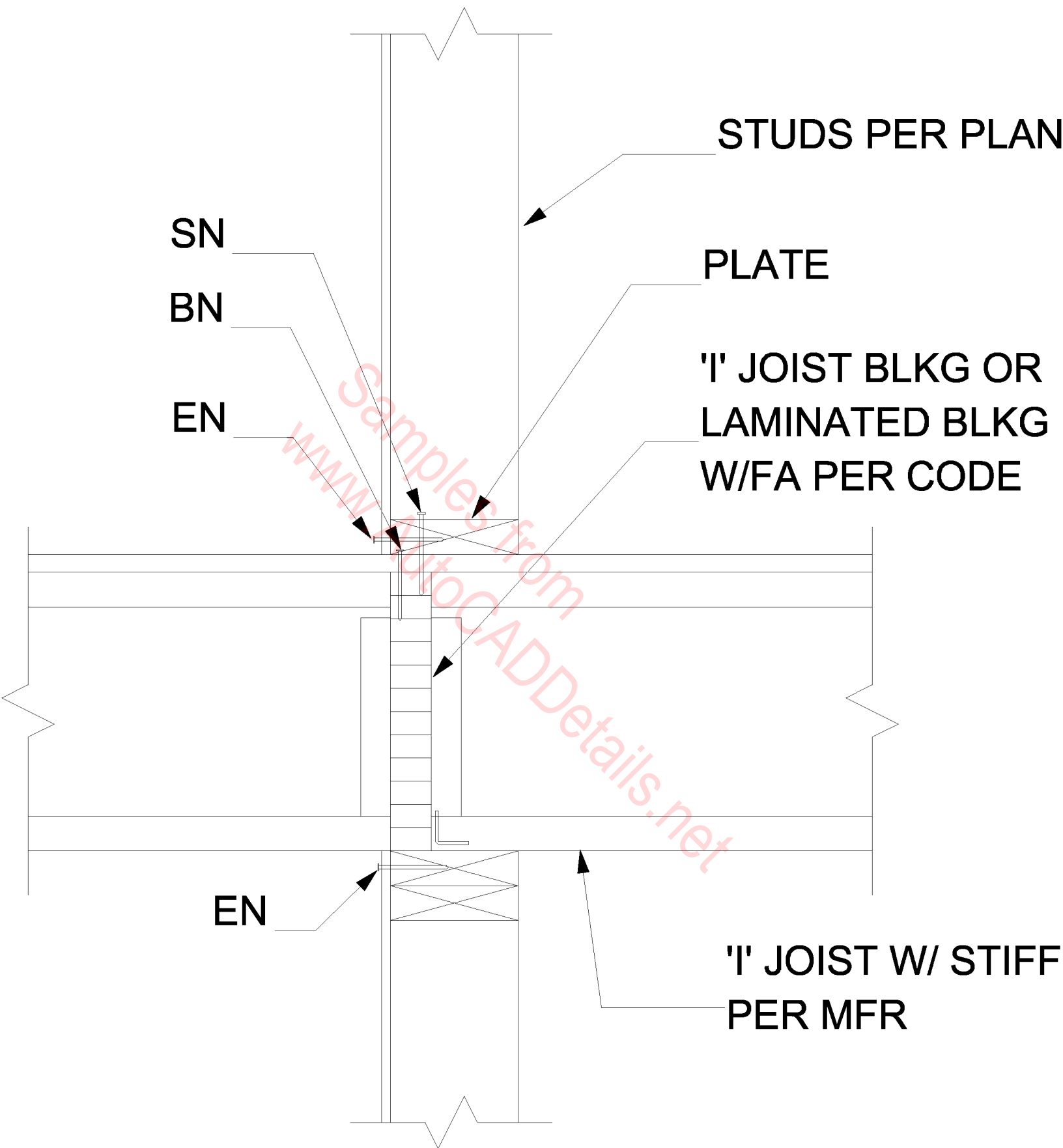
Interior Shear Wall Perpendicular To Trusses



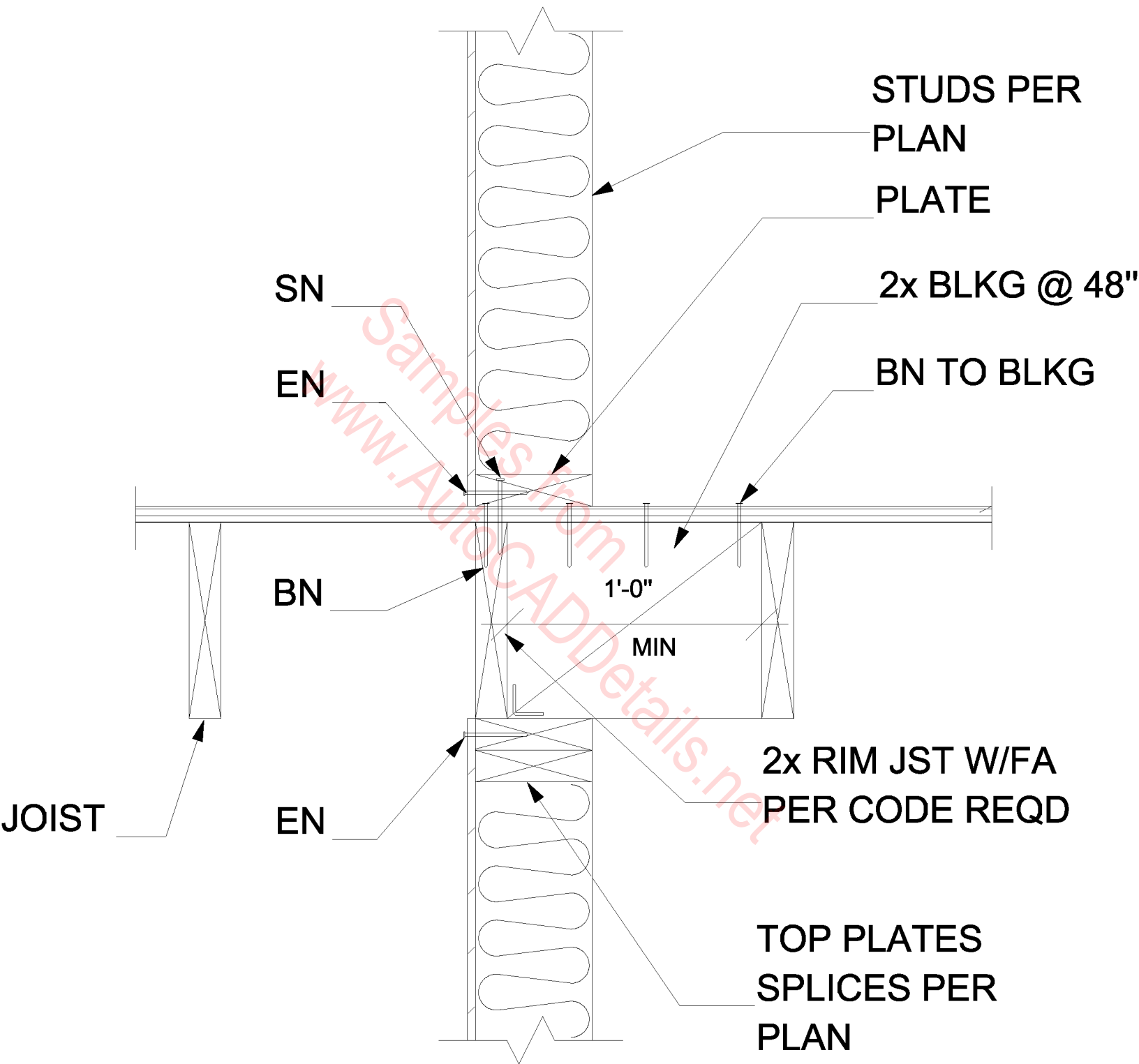
Interior Shear Wall W/Blocking



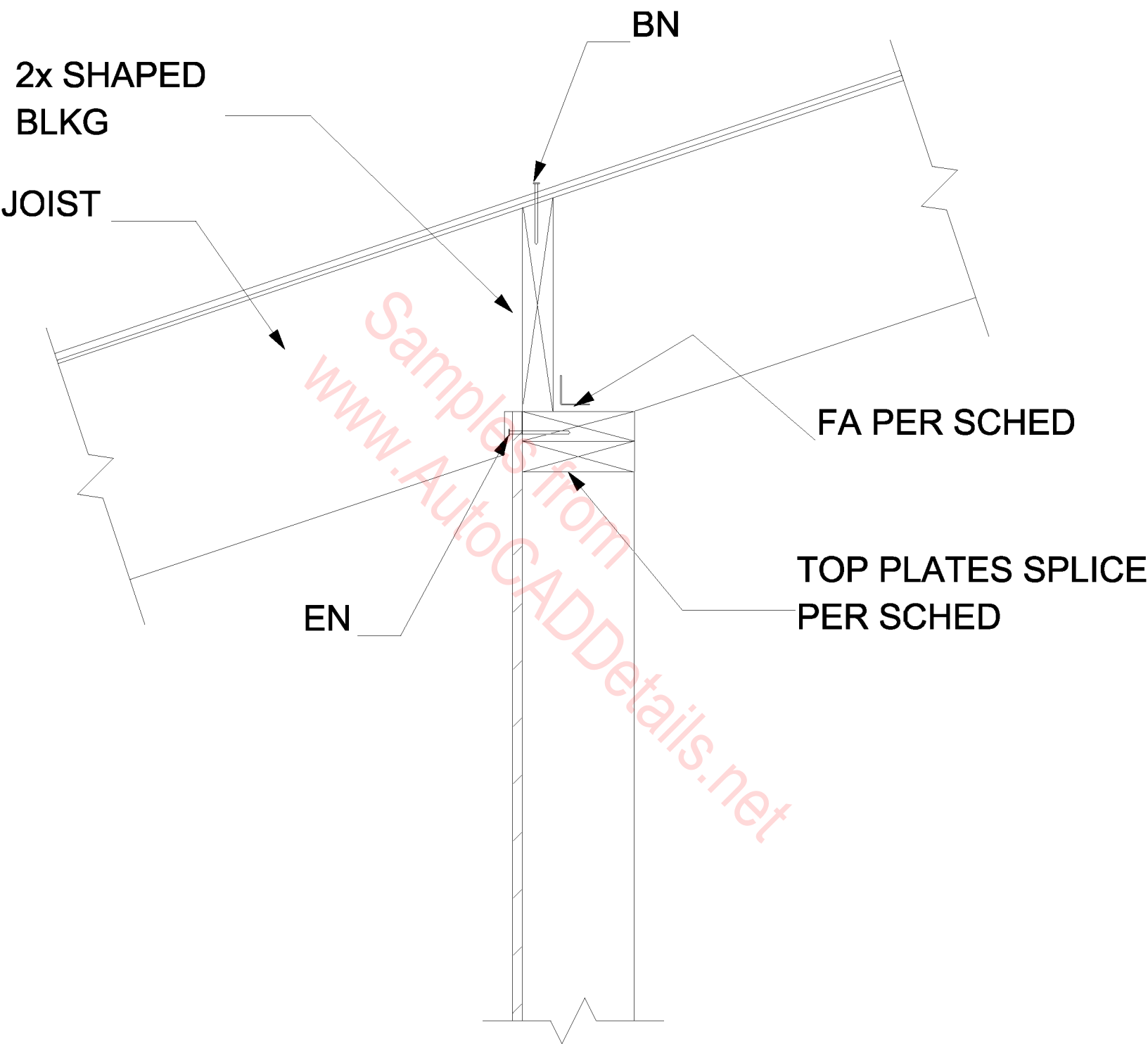
Interior Shear Wall W/I-Joist



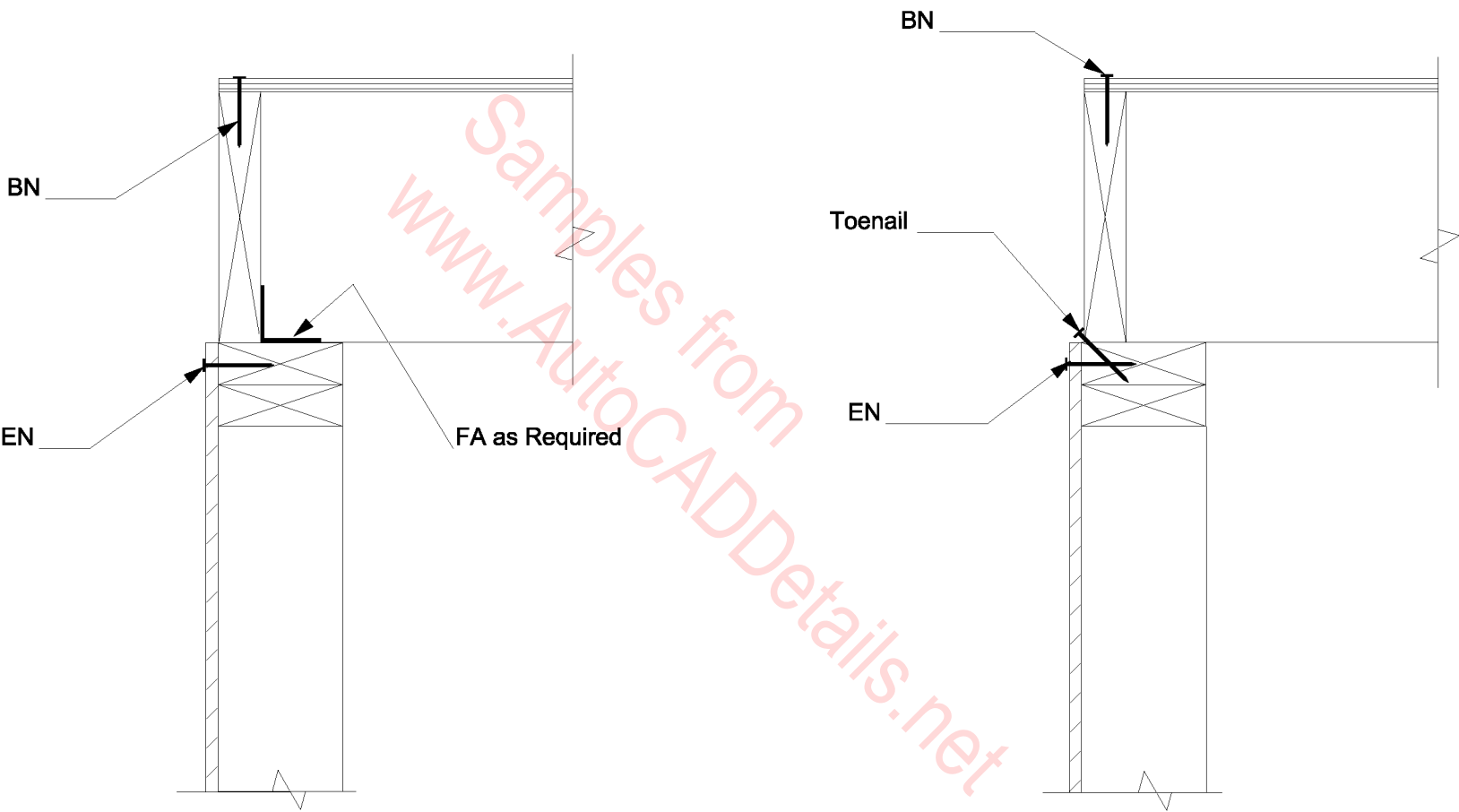
Interior Shear Wall W/I-Joist



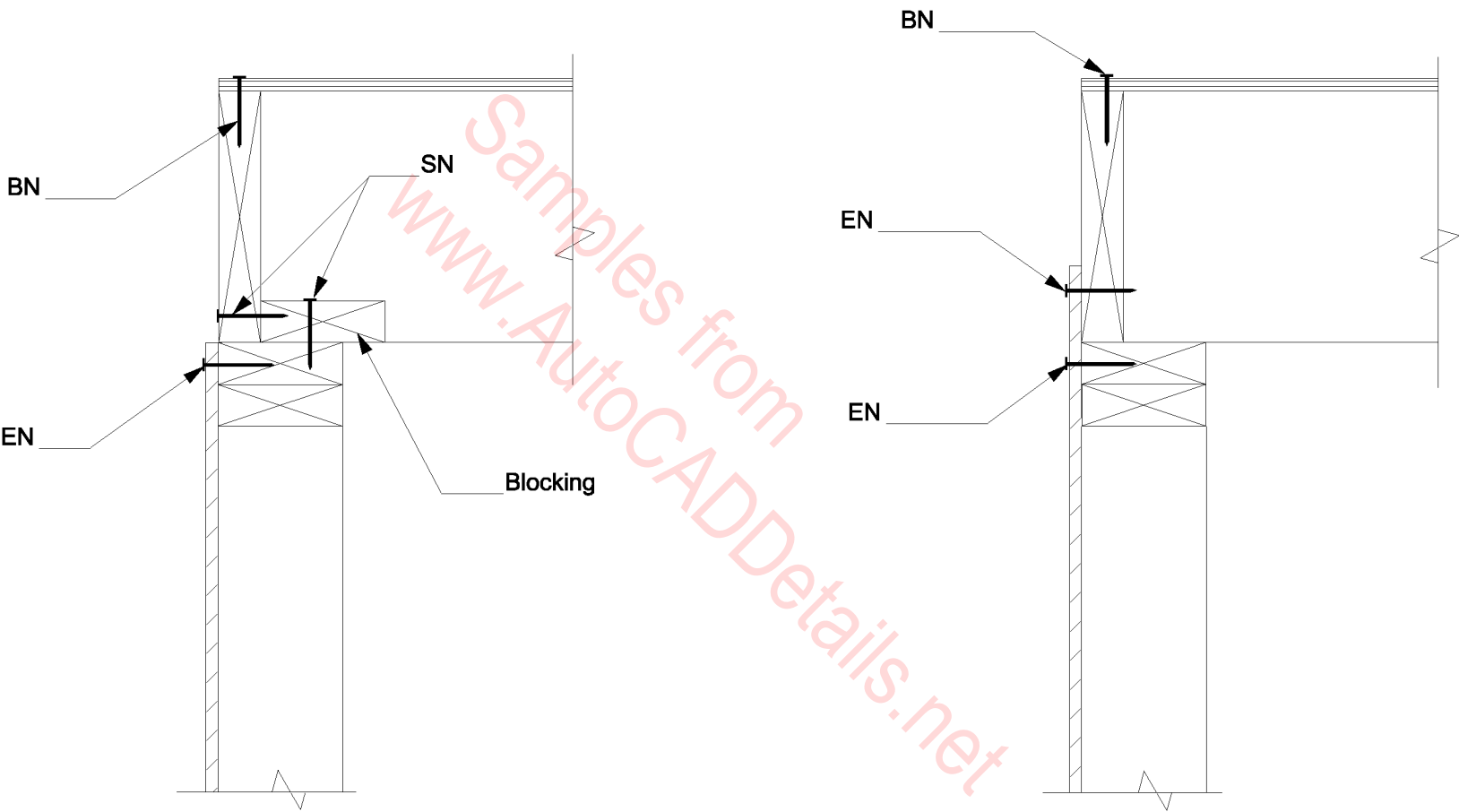
Interior Shear Wall W/Rim Joist



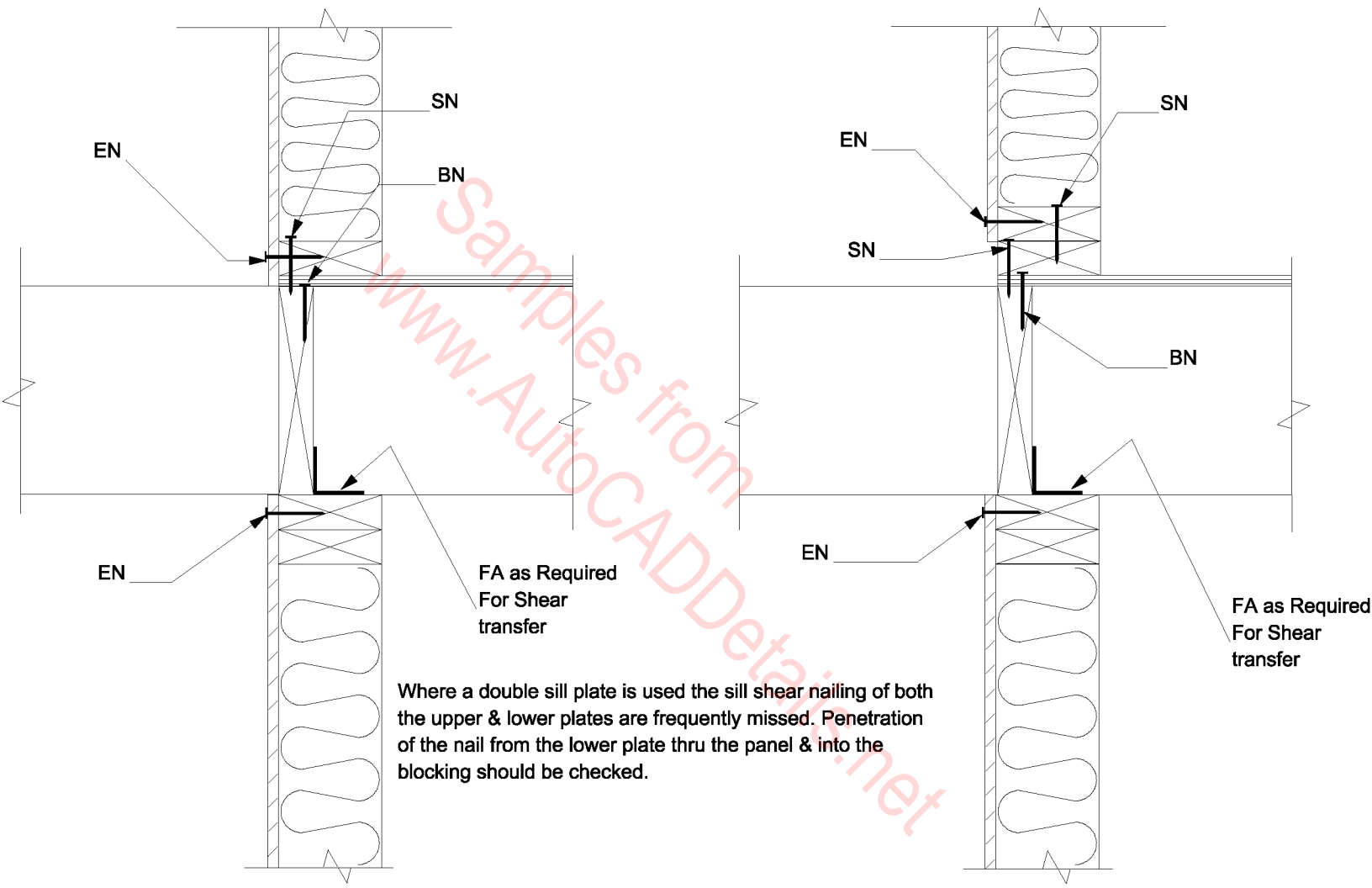
Joist At Bearing Wall



Load Path--Exterior Floor/Roof Framing



Load Path--Exterior Floor/Roof Framing

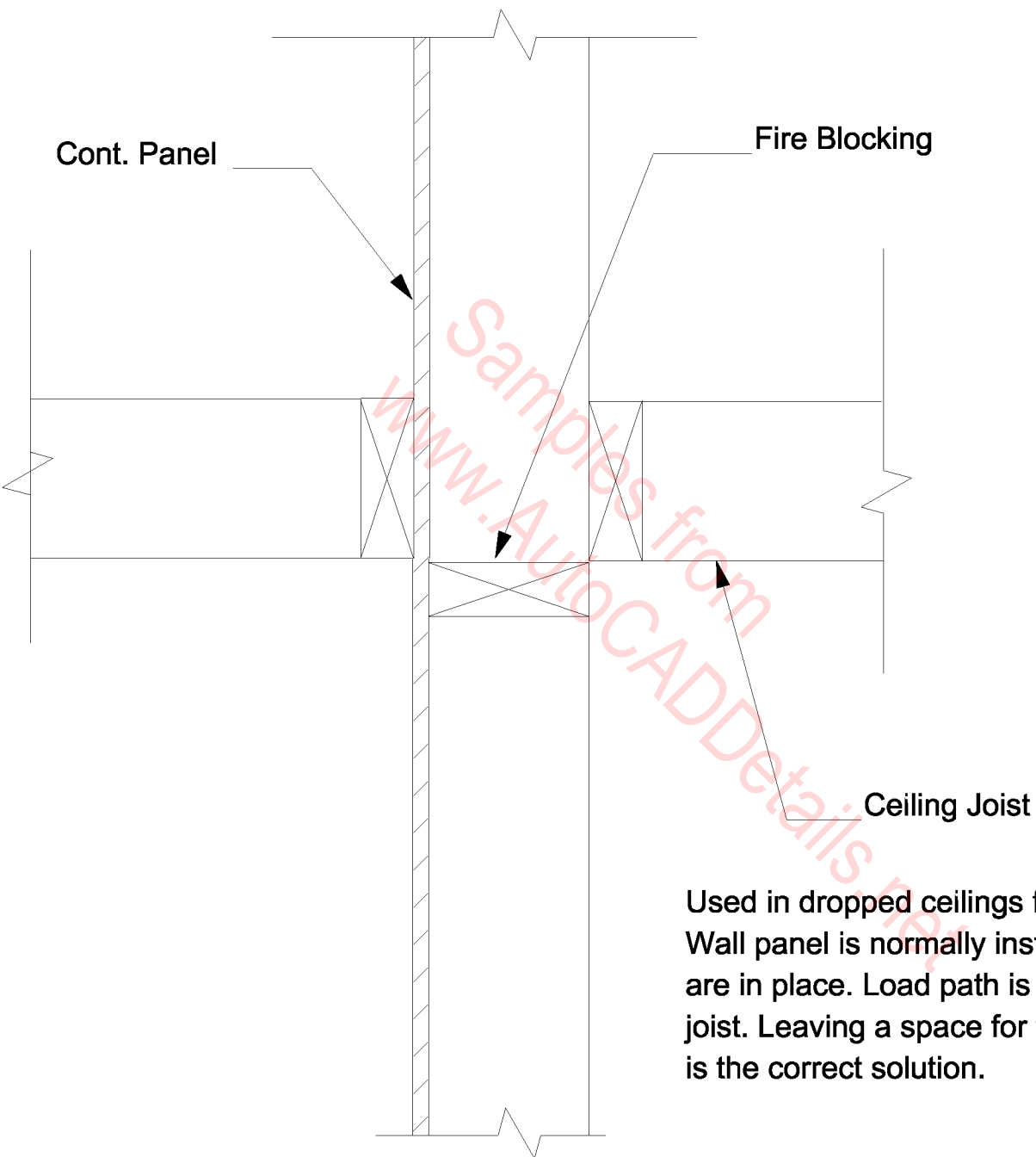


Where a double sill plate is used the sill shear nailing of both the upper & lower plates are frequently missed. Penetration of the nail from the lower plate thru the panel & into the blocking should be checked.

A

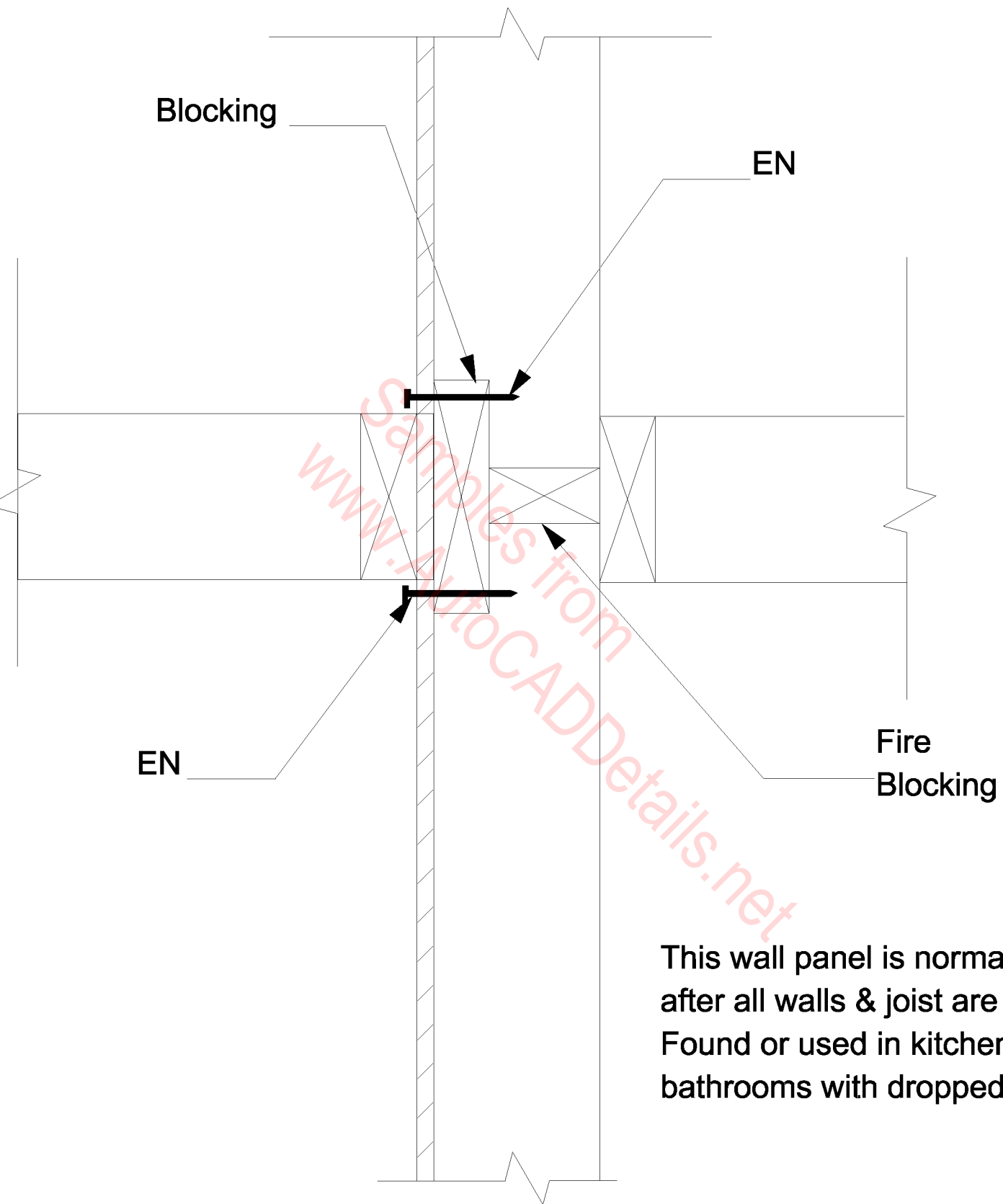
B

Load Path--Exterior Floor/Roof Framing



Used in dropped ceilings for kitchens or bathrooms. Wall panel is normally installed after all walls & joists are in place. Load path is often broken at the ceiling joist. Leaving a space for the installation of the panel is the correct solution.

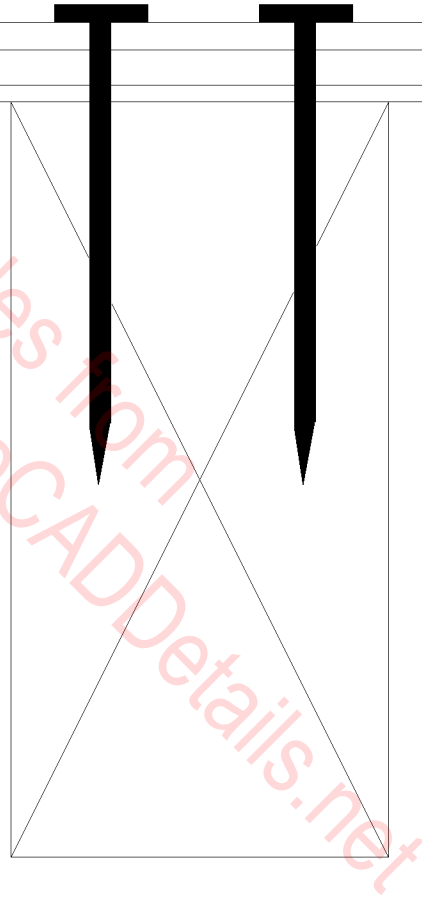
Load Path--Interior Wall W/Ceiling Joist



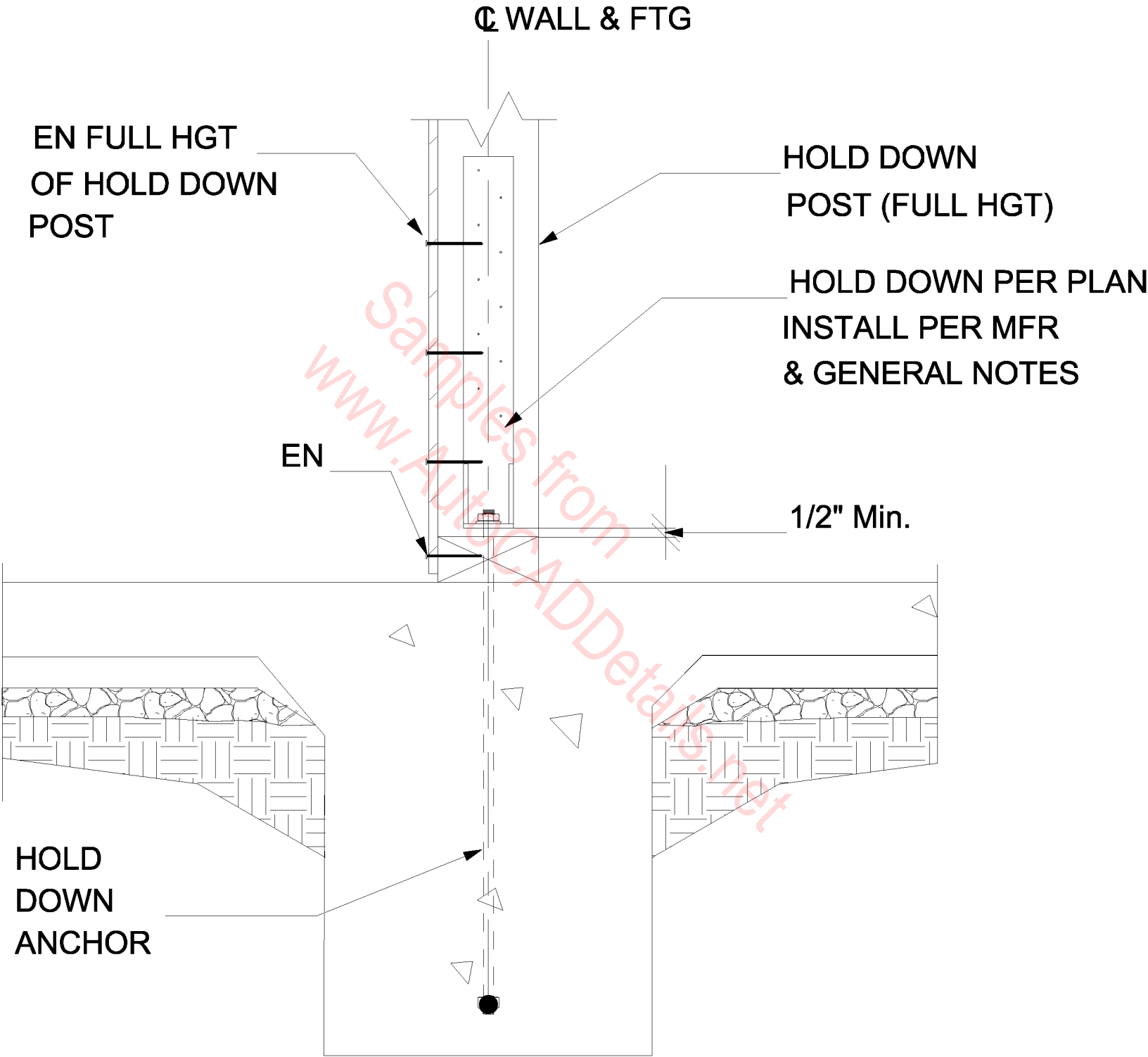
This wall panel is normally installed after all walls & joist are in place. Found or used in kitchen & bathrooms with dropped ceilings.

Load Path--Interior Wall W/Ceiling Joist

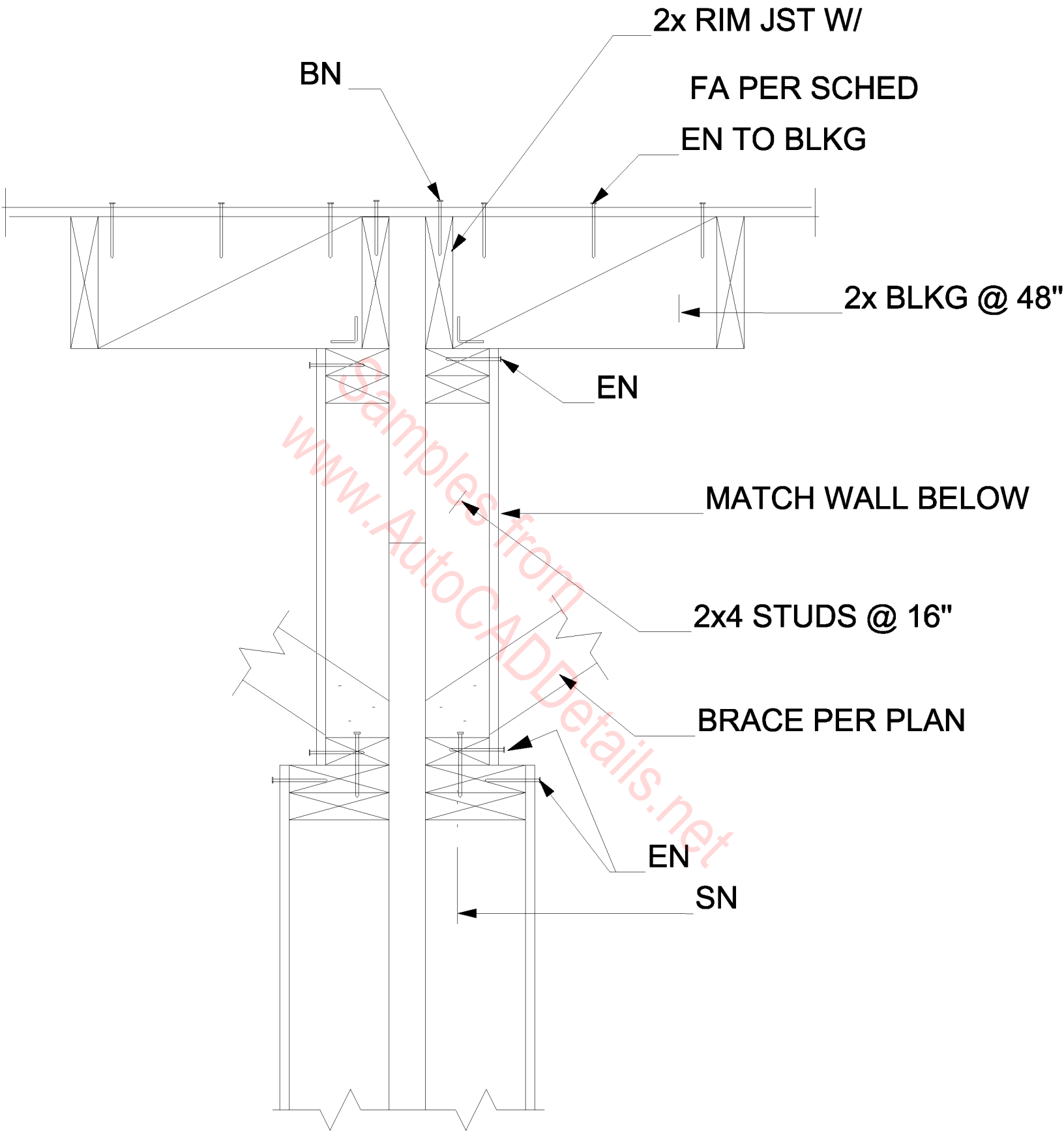
Missing nails (shiners or air nails) must be corrected. One line of missing nailing can greatly reduce the diaphragm's capacity to resist loads. Excessive slanting of nails will adversely affect the lateral capacity of the shear walls.



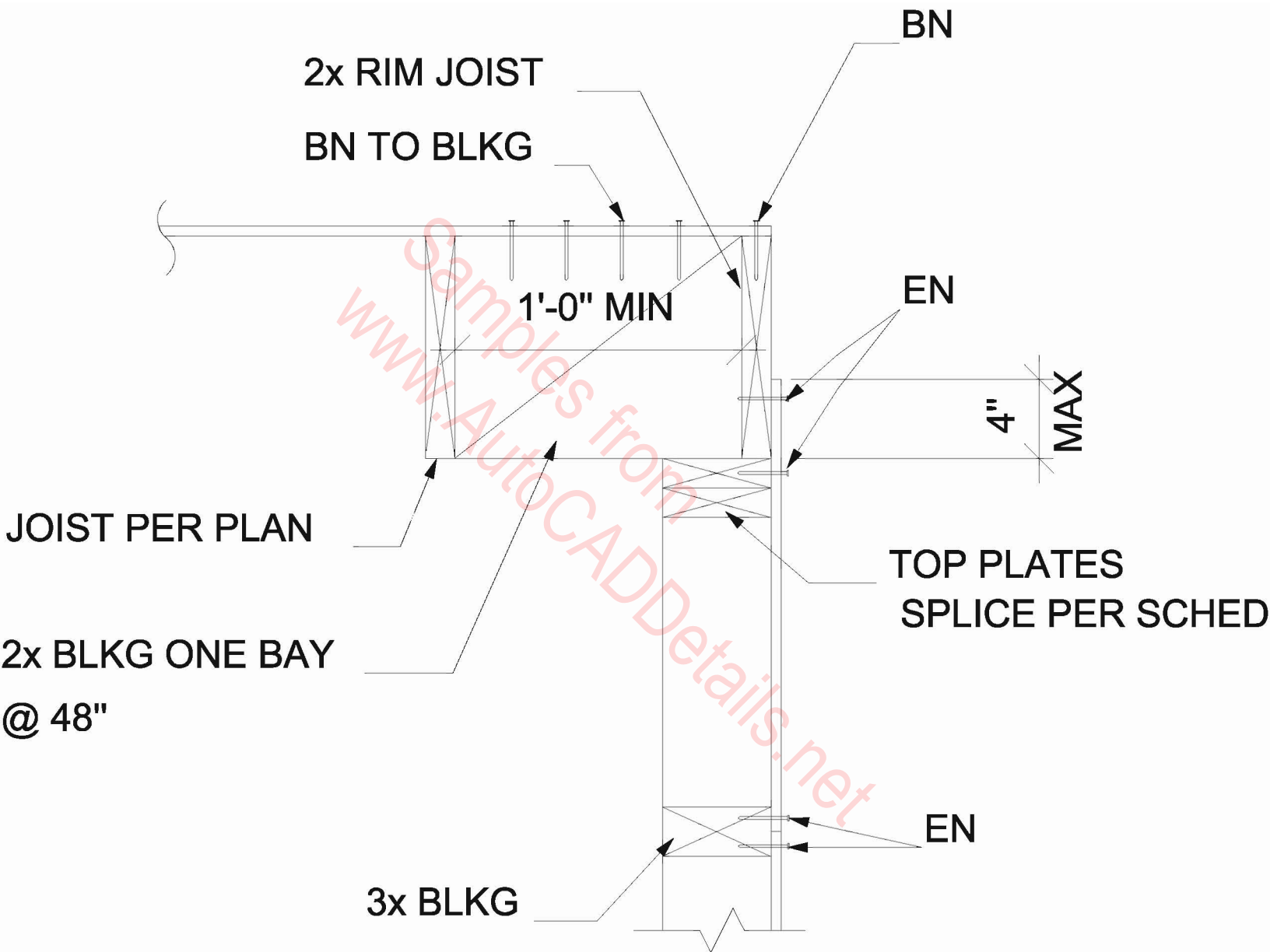
LOAD--Path Nailing



Nailed/Screwed Hold down

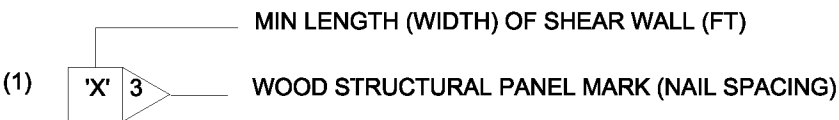


Platform Framed Party Shear Wall W/Attic Rake

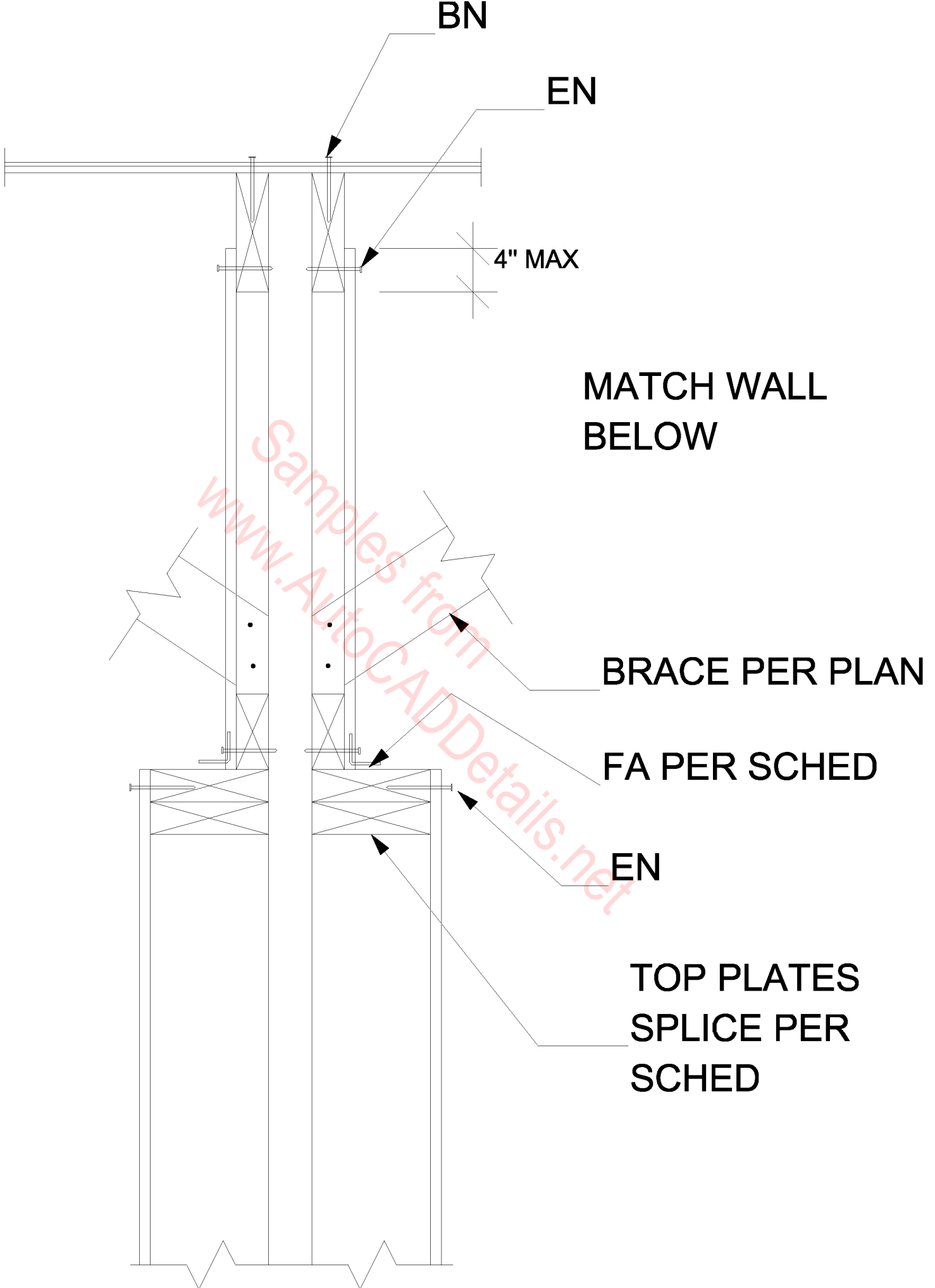


Rim Joist At Shear Wall

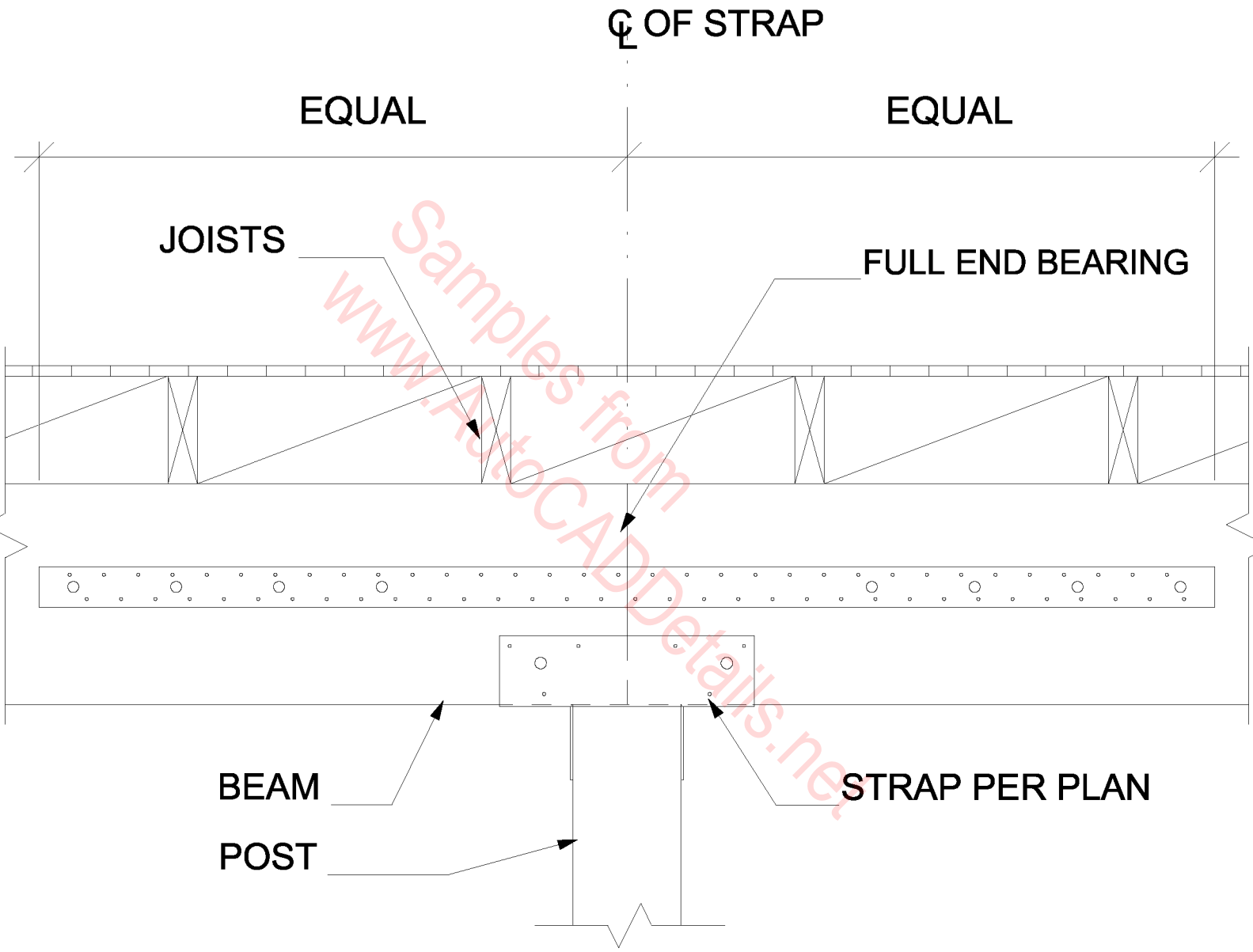
MARK (1)	EN (EDGE NAILING)	(2) AB (FOUNDATION PLATE) ANCHOR BOLTS)	FOUNDATION PLATE		JOINT STUDS & BLKG	SN (SHEAR NAILING)	FA SPACING	NUMBER OF FA'S PER BLOCK	
			ON CONC OR MAS	ON WOOD				RIM JOIST	BLKG @ 16"
'X' 6	10d @ 6"	5/8" DIA @ 48"	3x	2x	3x	16d @ 6"	24"	1	1
'X' 4	10d @ 4"	5/8" DIA @ 24"	3x	2x	3x	16d @ 4"	12"	2	2
'X' 3	10d @ 3"	5/8" DIA @ 16"	3x	2x	3x	16d @ 3"	12"	2	3



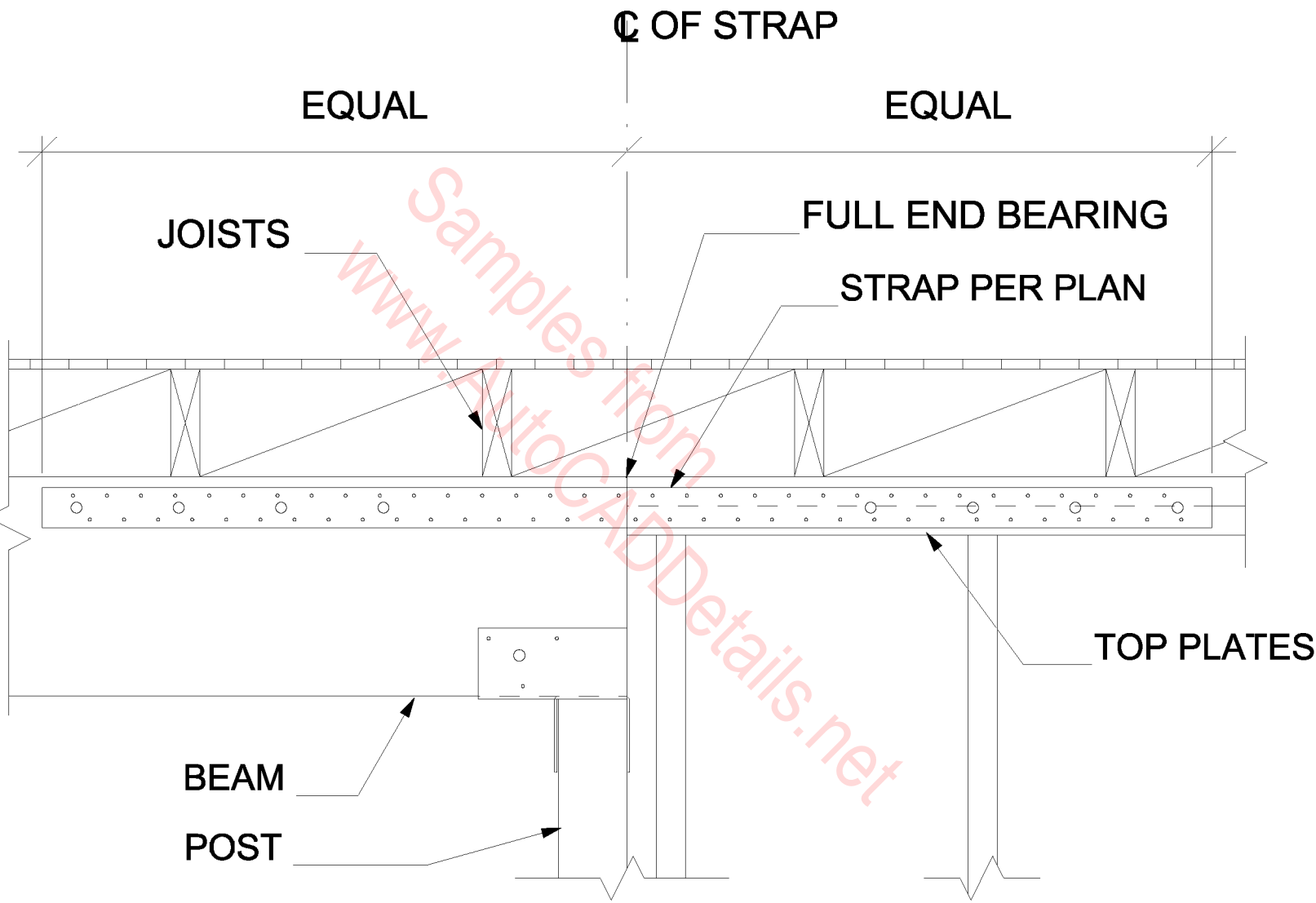
(2) PROVIDE PLATE WASHERS 1/4 x 2 1/2 x 0'-2 1/2" TYP.



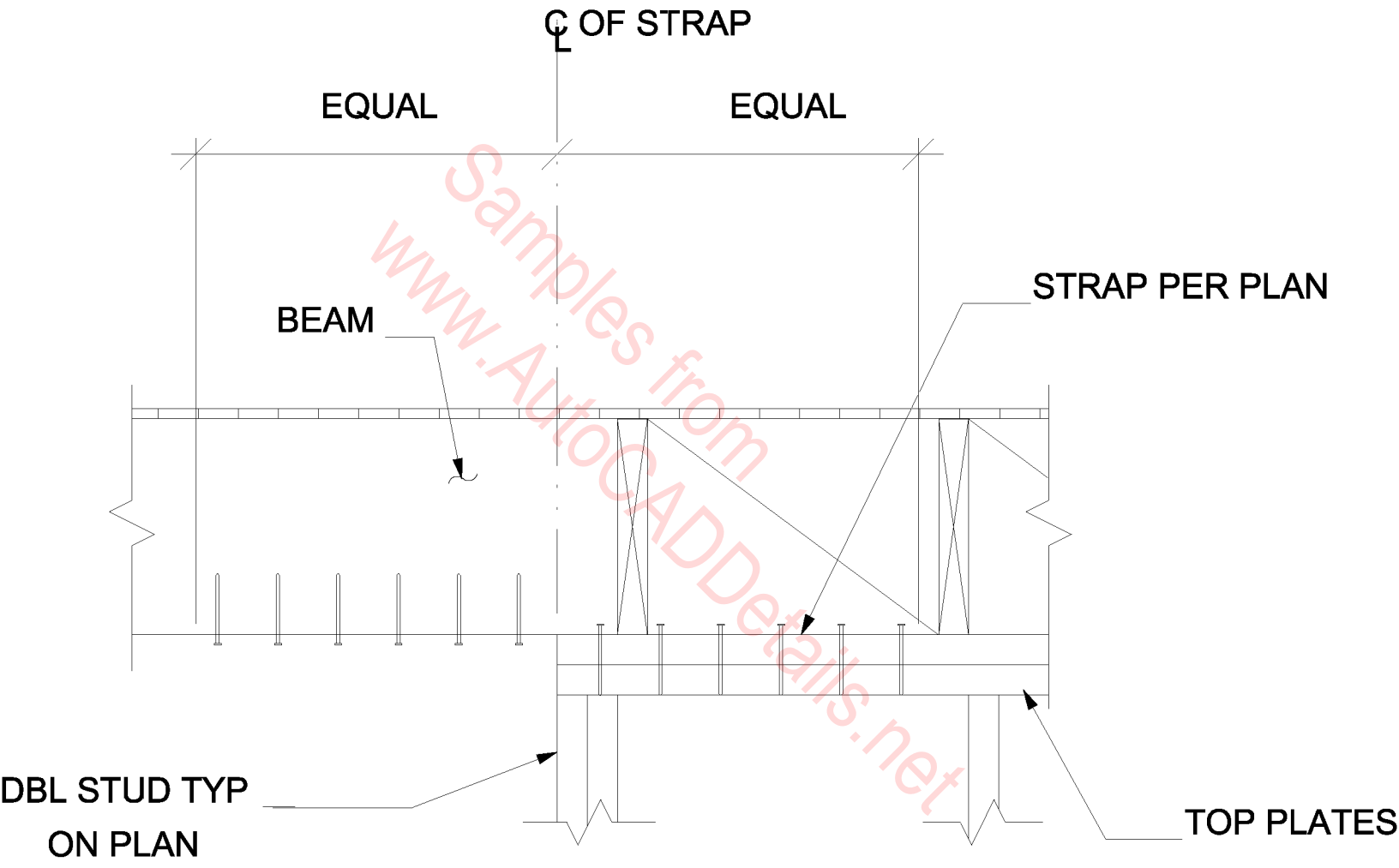
Platform Framed Party Shear Wall W/Trusses



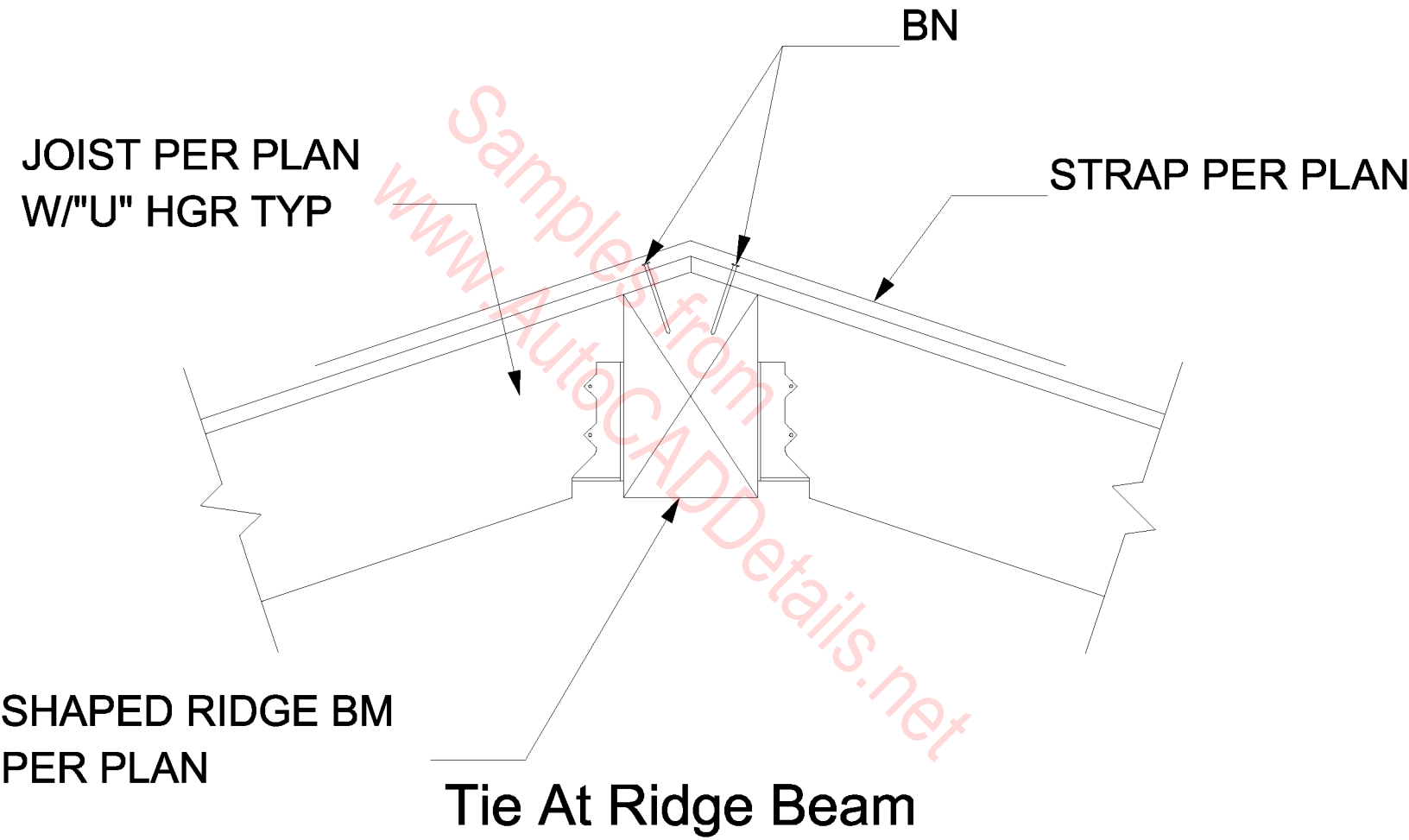
Strap-Beam To Beam

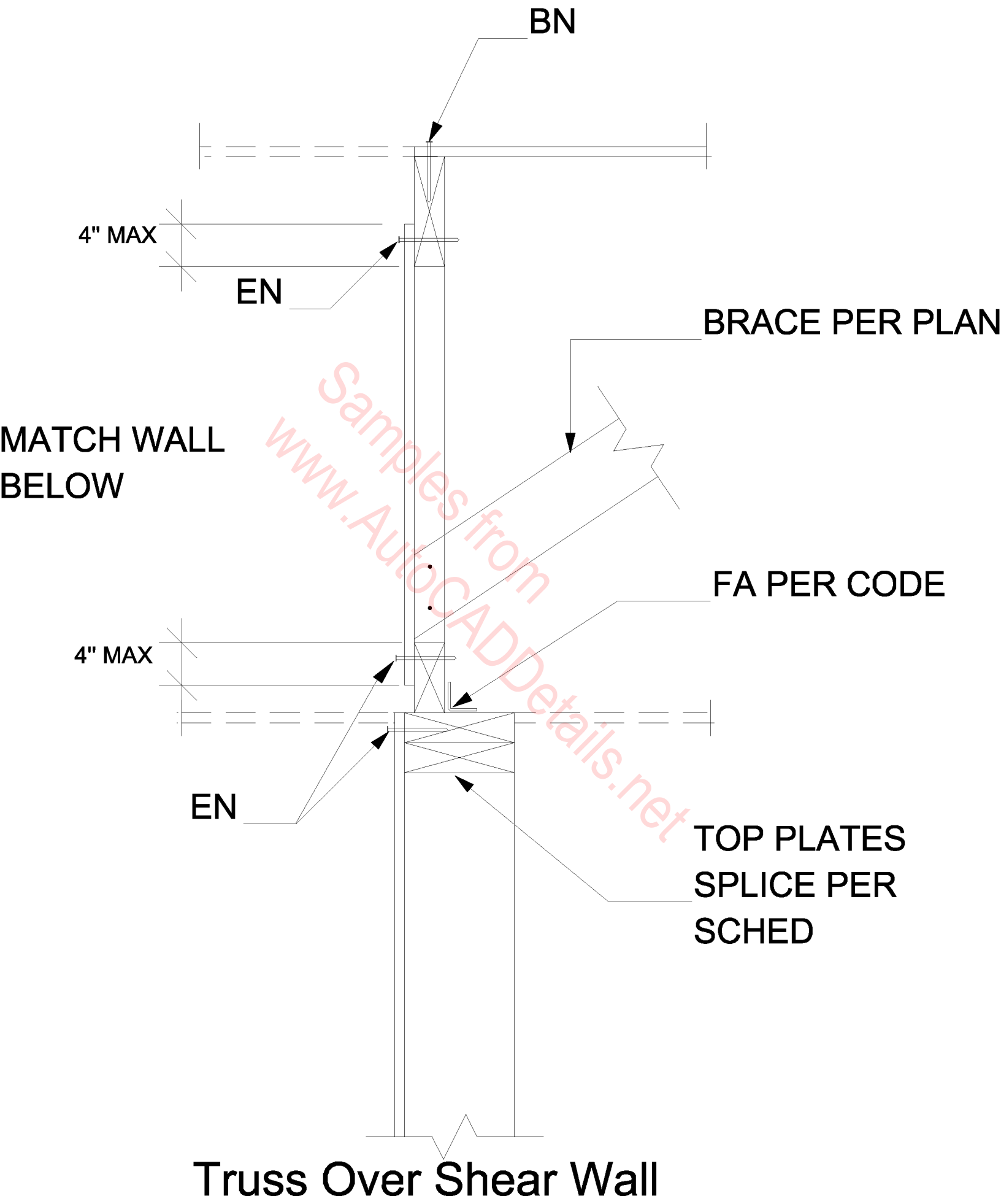


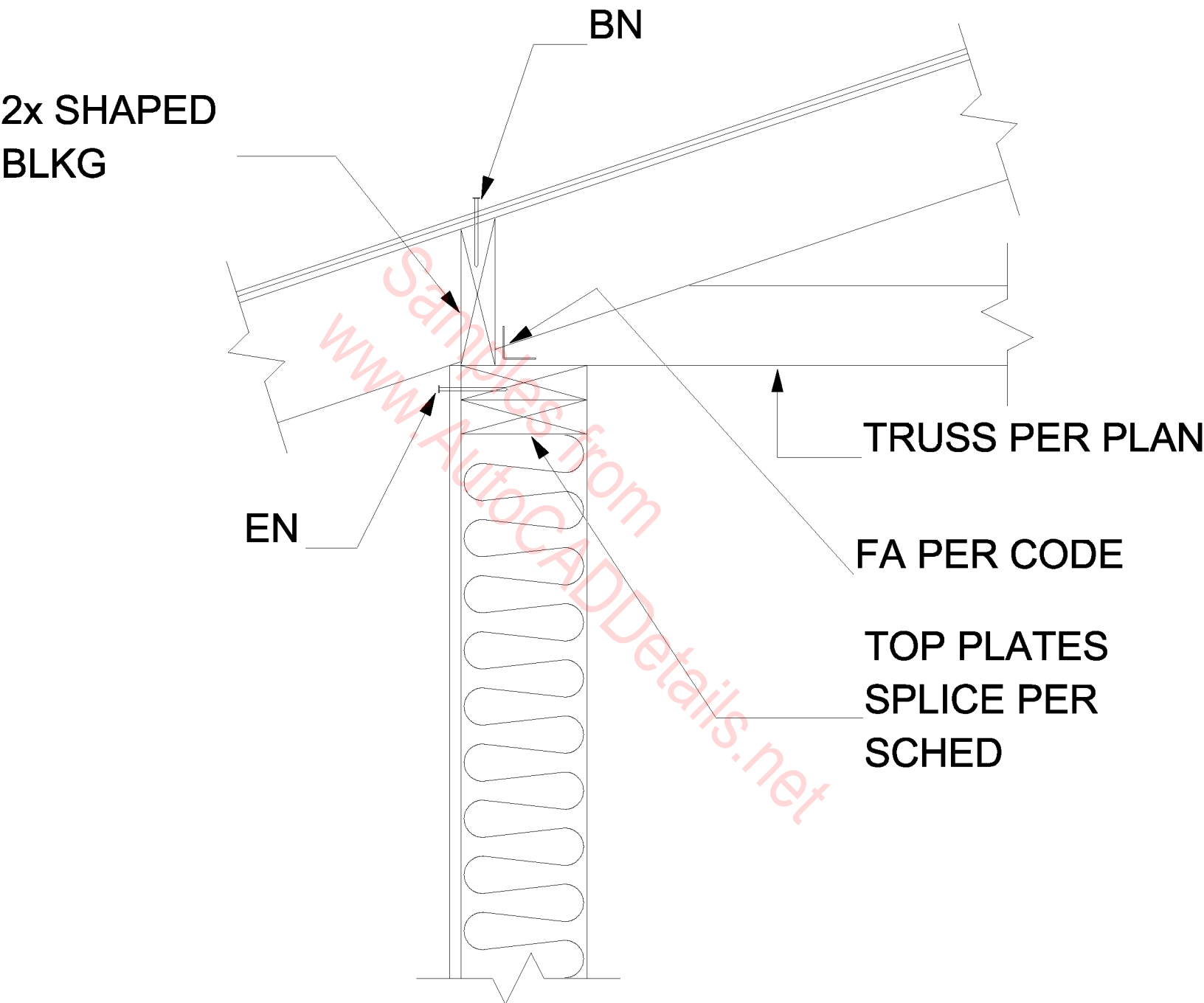
Strap-Beam To Top Plates



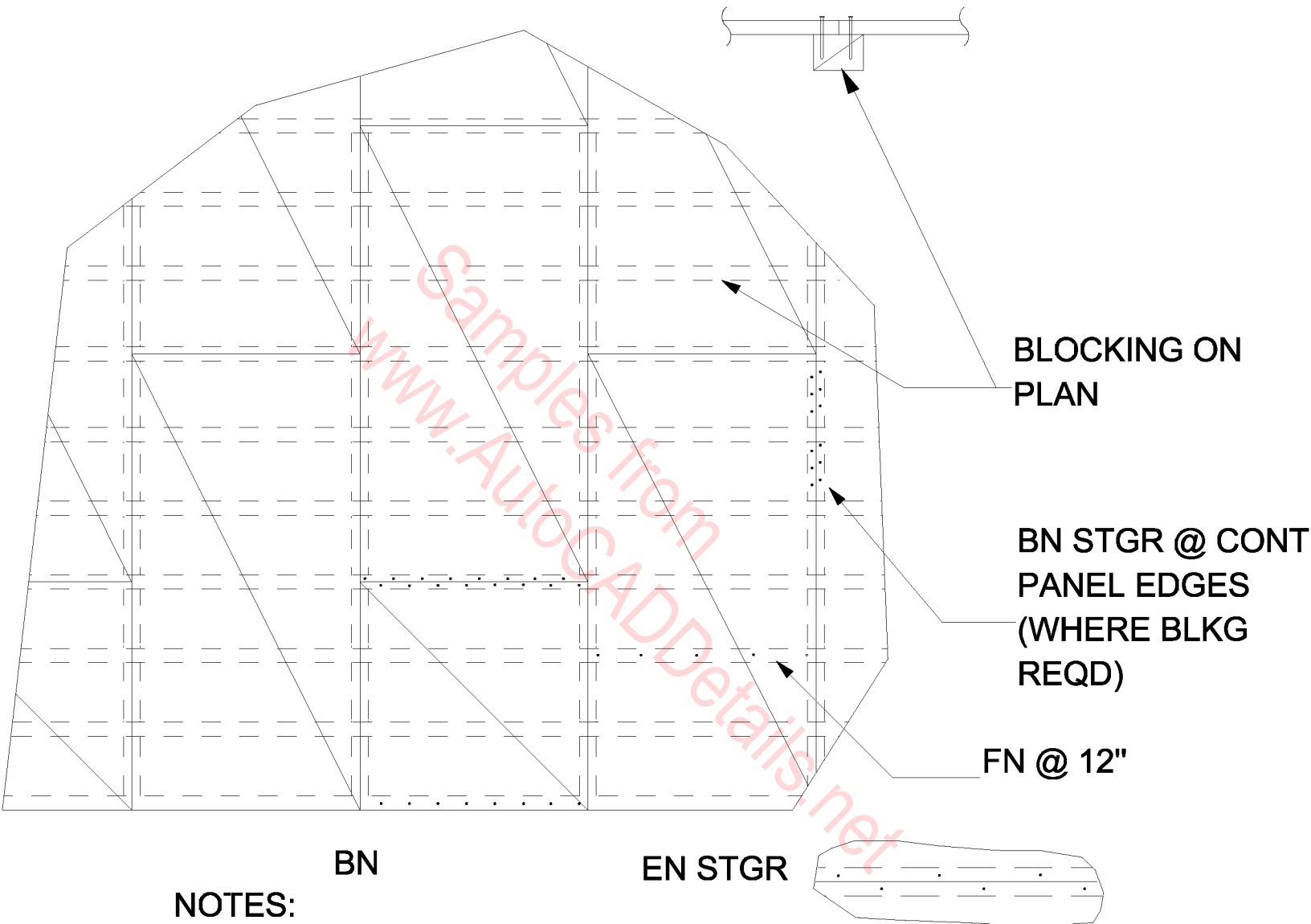
Strap-Beam To Top Plates







Trusses At Bearing Wall

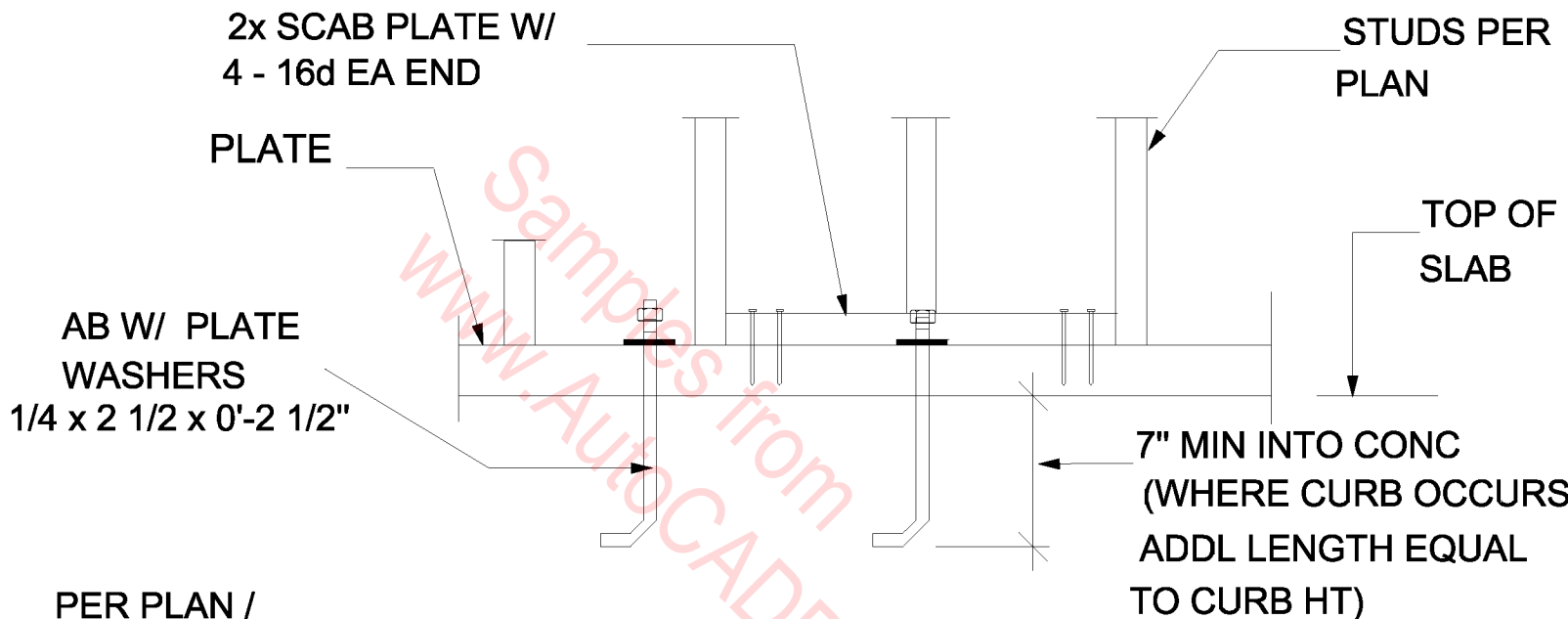


NOTES:

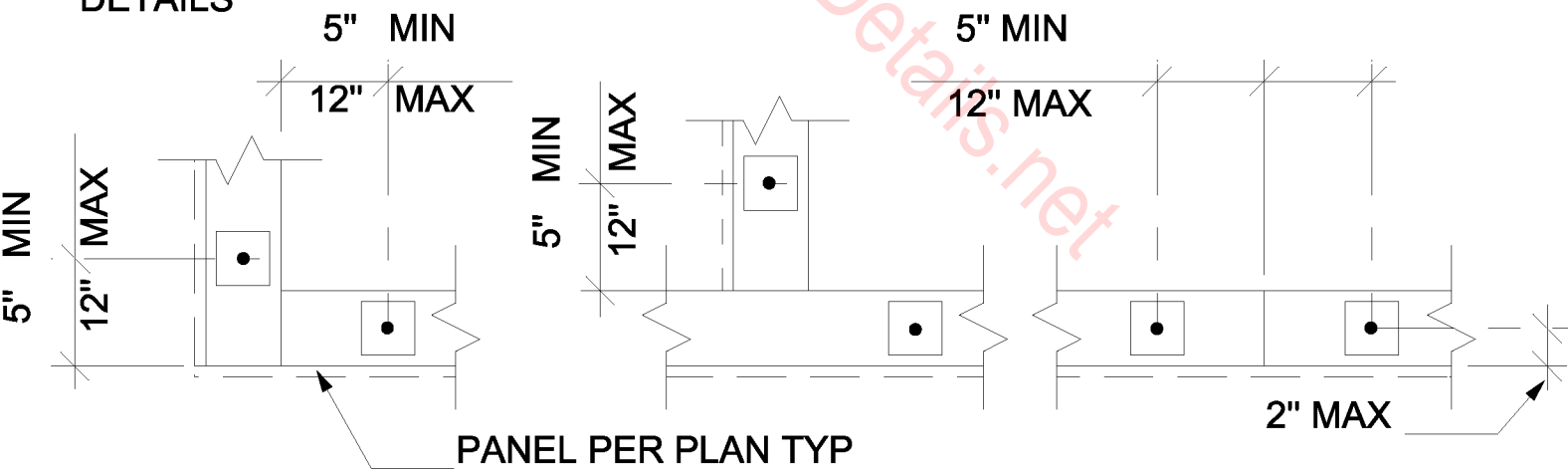
1. FOR ITEMS NOT NOTED SEE PLANS.
2. MINIMUM PANEL DIMENSION IS 2'-0".

Typical Blocked Roof & Floor Diaphragms

Note: Holes for anchor bolts shall be 1/32" to 1/16" larger than anchor bolt diameter. If holes are over size repair with epoxy.



PER PLAN /
DETAILS

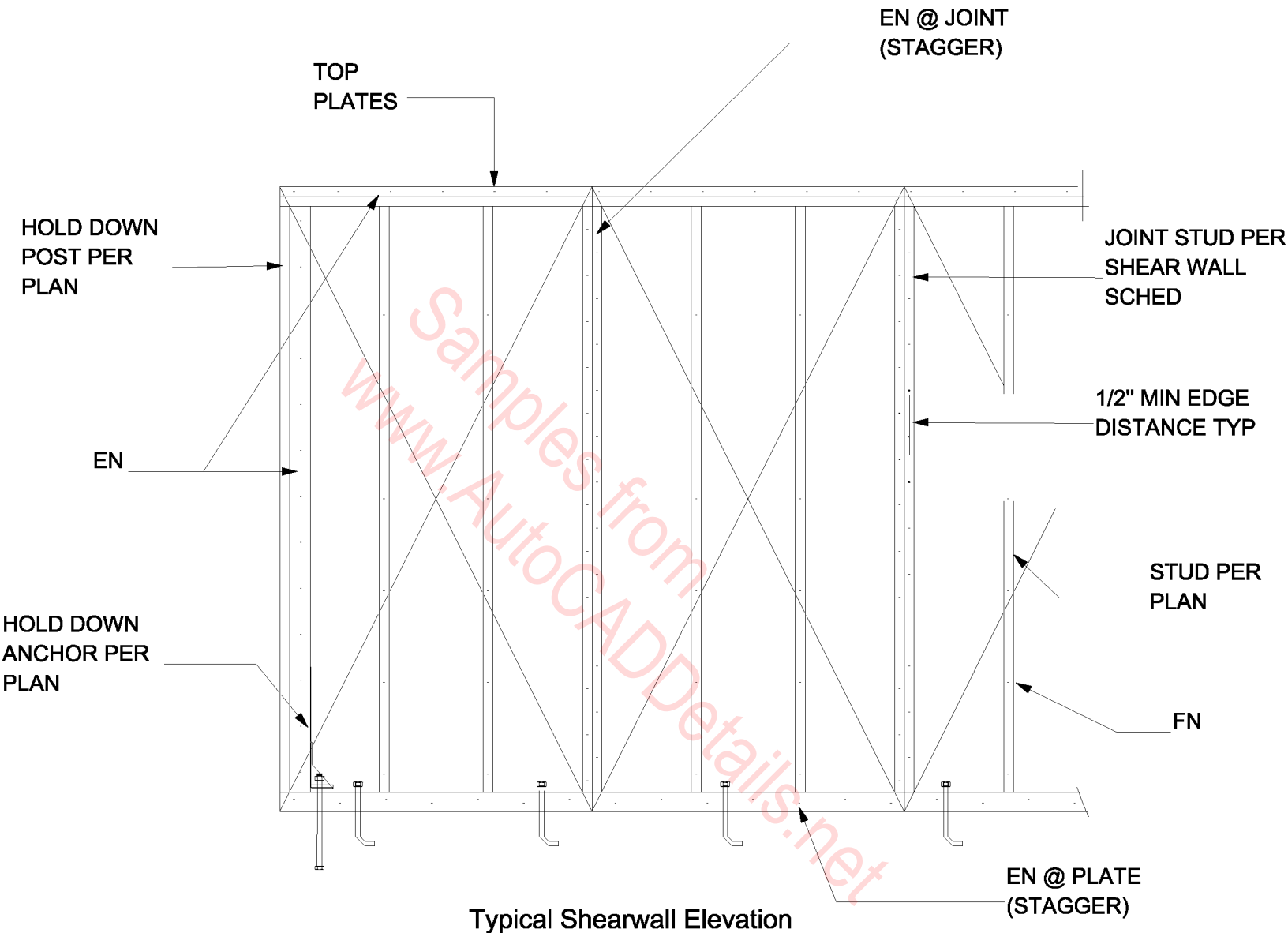


AT CORNER

AT INTERSECTION

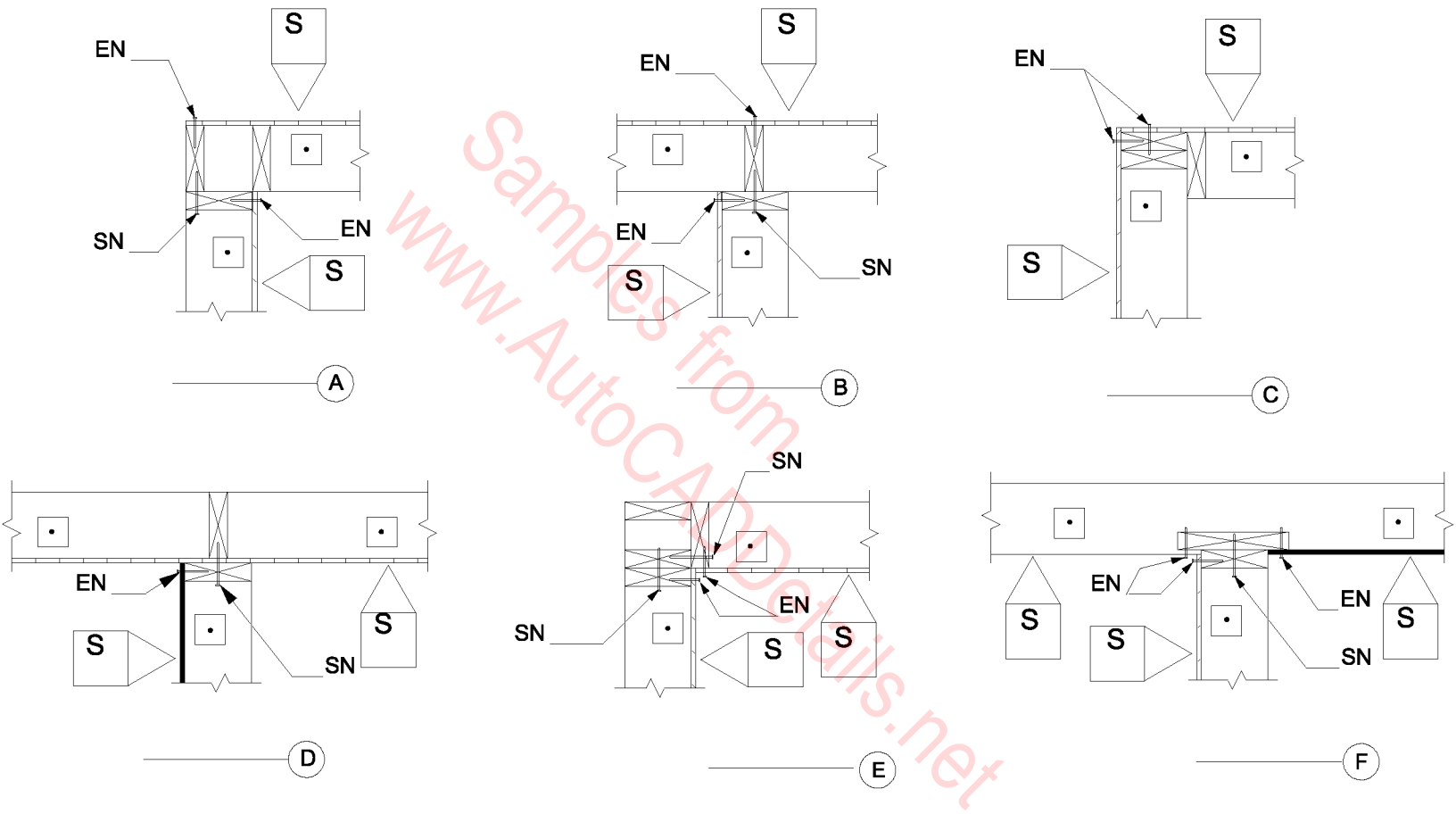
AT SPLICE

Typical Plate Anchor Bolts

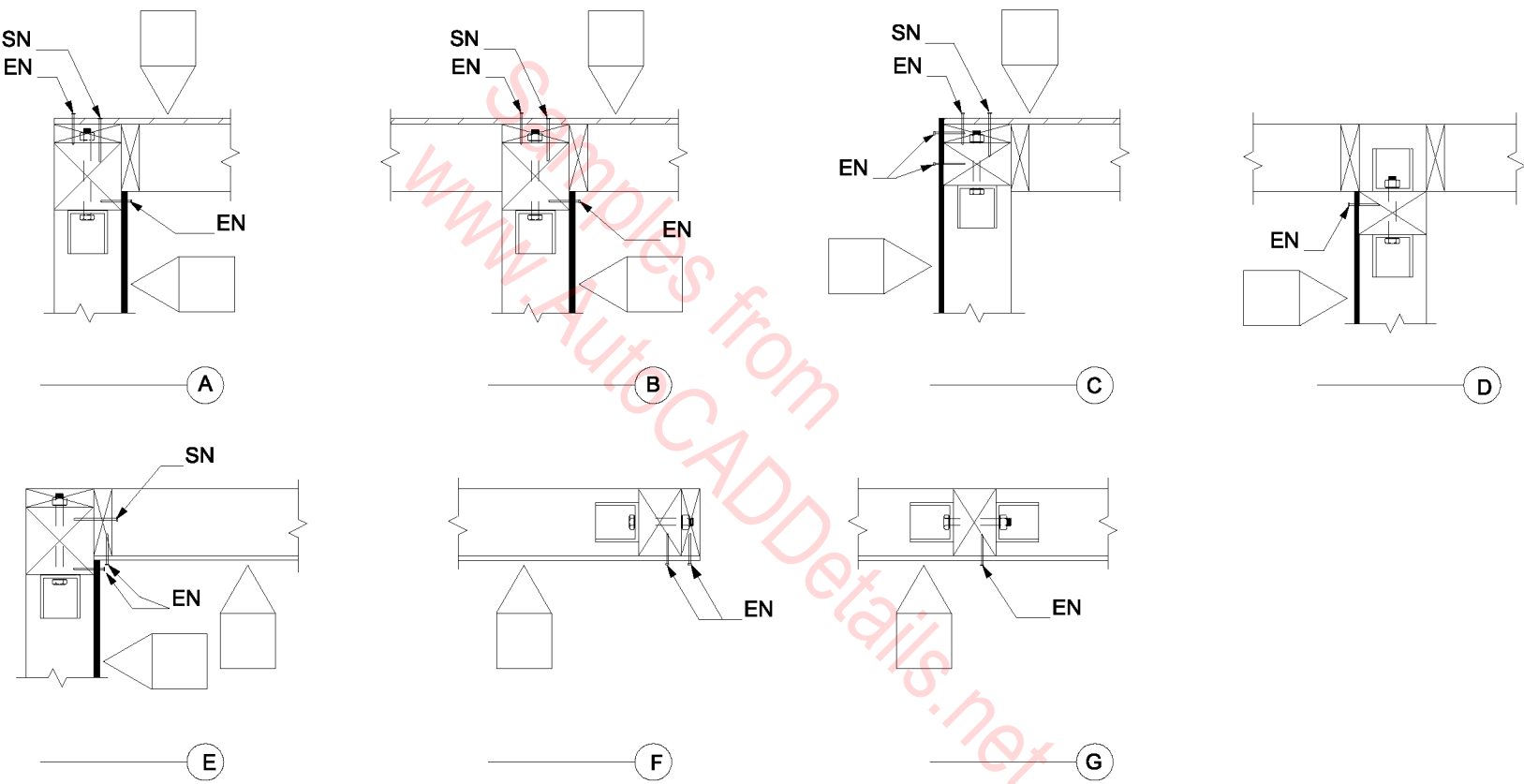


NOTES:

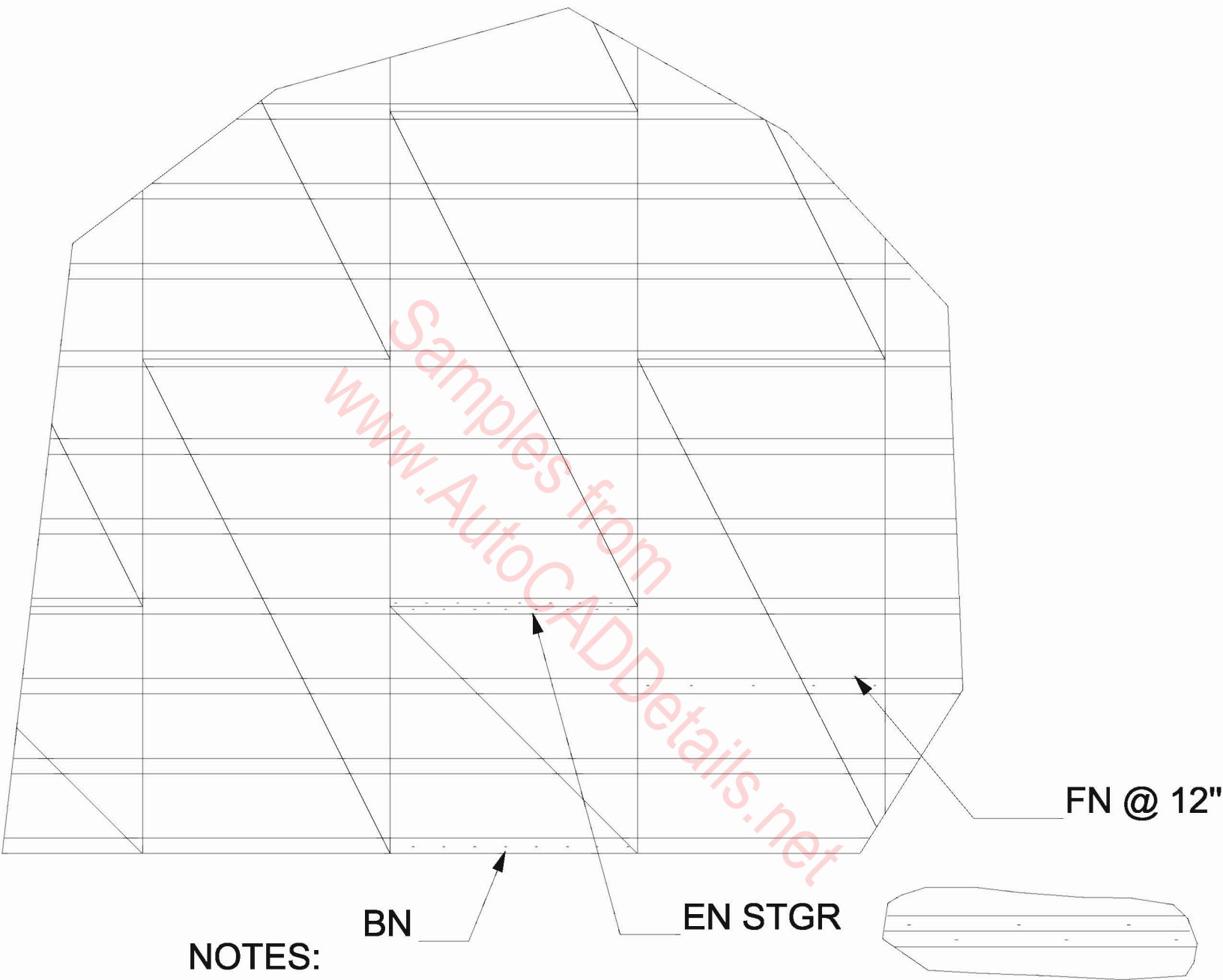
- 1) FOR ITEMS NOT NOTED SEE PLAN & SHEAR WALL SCHED.
- 2) MINIMUM PANEL DIMENSION IS 1'-0".
- 3) USE FULL SIZE PANELS WHERE POSSIBLE.
- 4) FIELD NAILING (FN) @ 12" ON.
- 5) 3x SOLID BLKG @ HORIZ JOINTS.



Typical Shear Wall Intersection (No Hold downs)



Typical Shear Wall Intersections (With Hold downs)



NOTES:

1. FOR ITEMS NOT NOTED SEE PLANS.
2. MINIMUM PANEL DIMENSION IS 2'-0".

Typical Unblocked Roof & Floor

