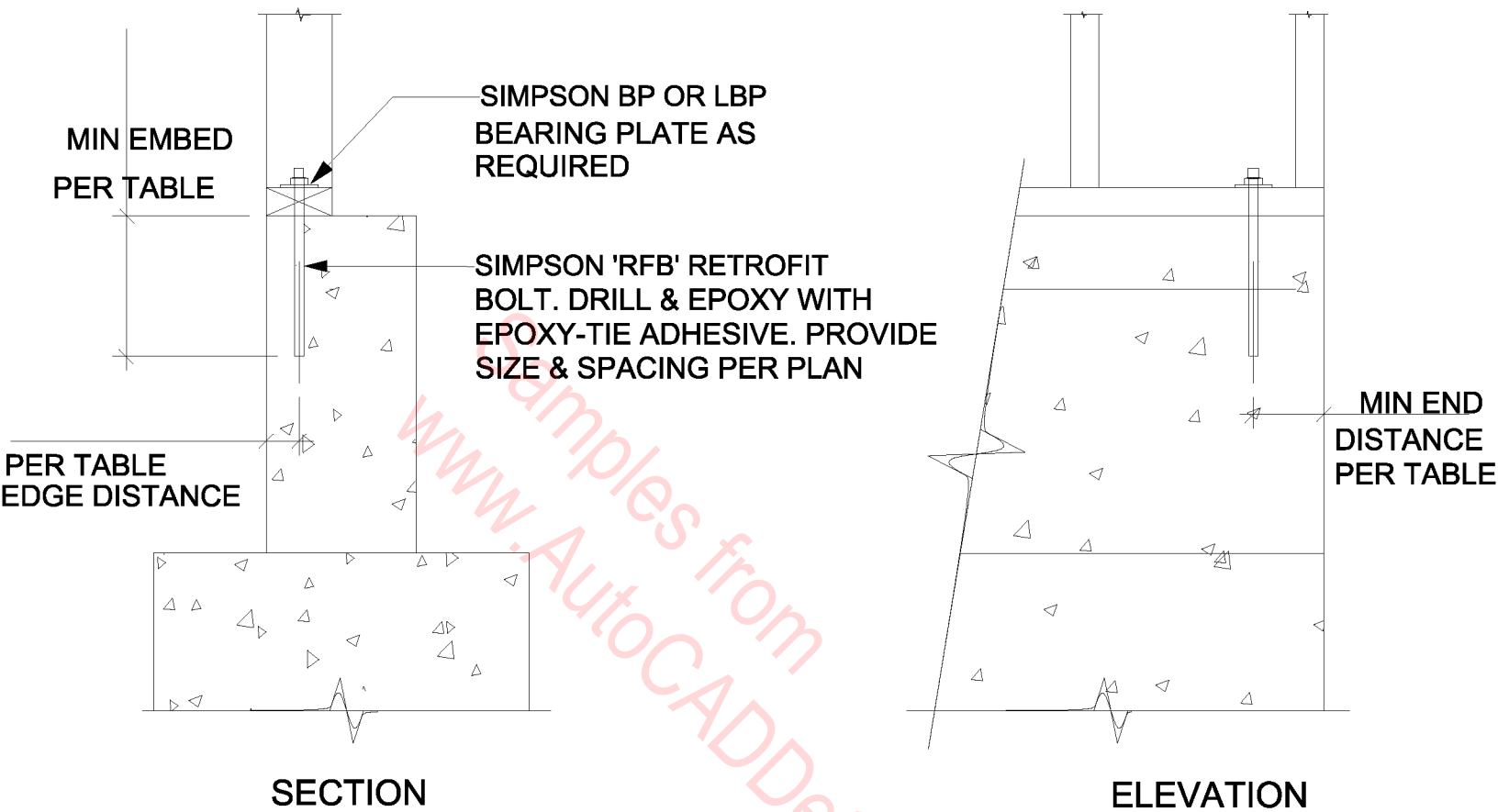


ELEVATION

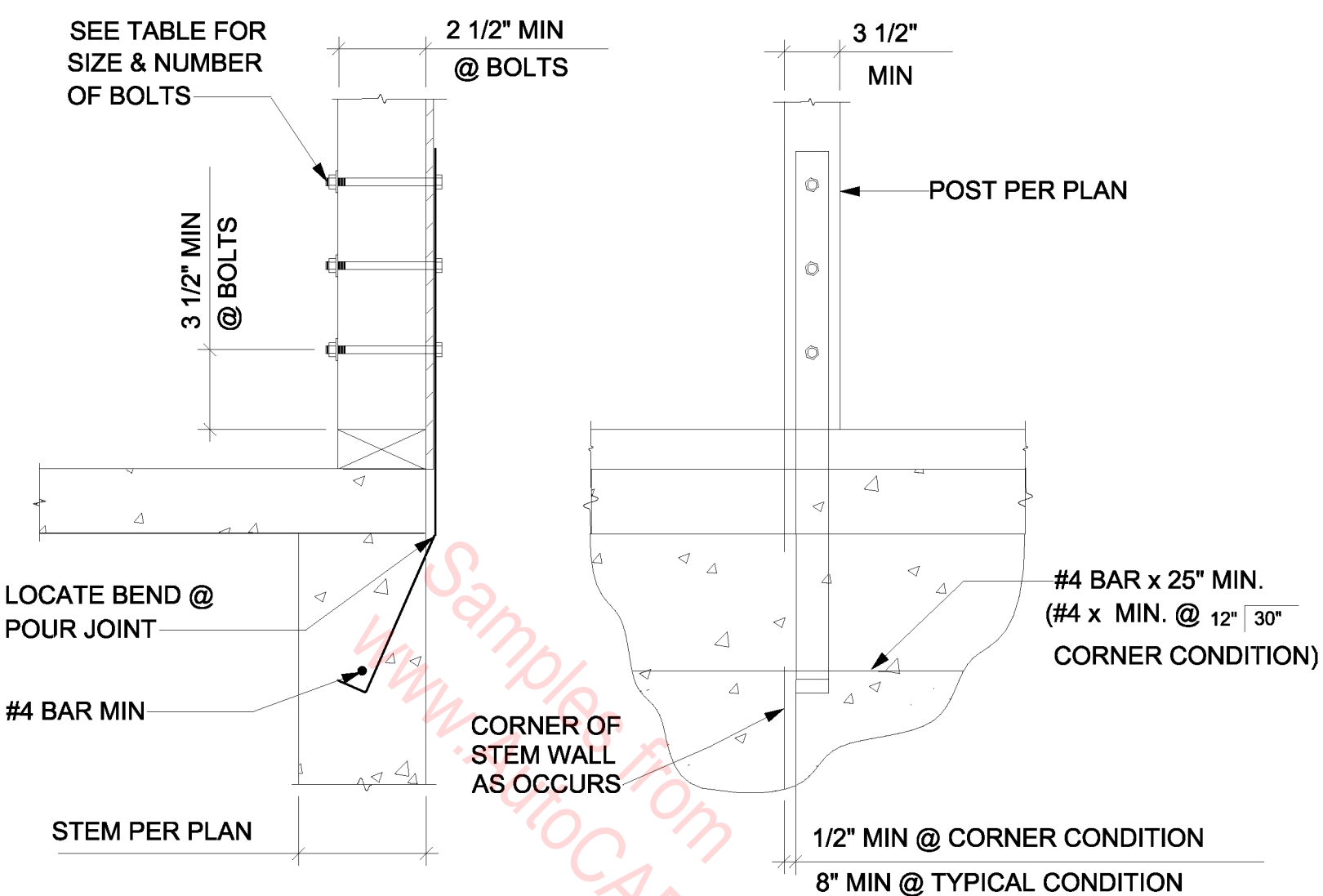
SECTION

HD15 Between Floors Detail



DETAIL MUDSILL ANCHOR (CONCRETE)

SIMPSON MODEL NO.	L	STUD DIA	EMBED DEPTH	MIN END DIST	MIN EDGE DIST	MAX SILL PLATE THICKNESS
RFB#4X7	7	1/2	4 1/4	3 1/4	3 1/4	1 1/2"
RFB#4X10	10	1/2	4 1/4	3 1/4	1 3/4	4 1/2"
RFB#5X8	8	5/8	5	3 3/4	3 3/4	2"
RFB#6X10.5	10	3/4	6 3/4	5	3 5/8	2 1/2"

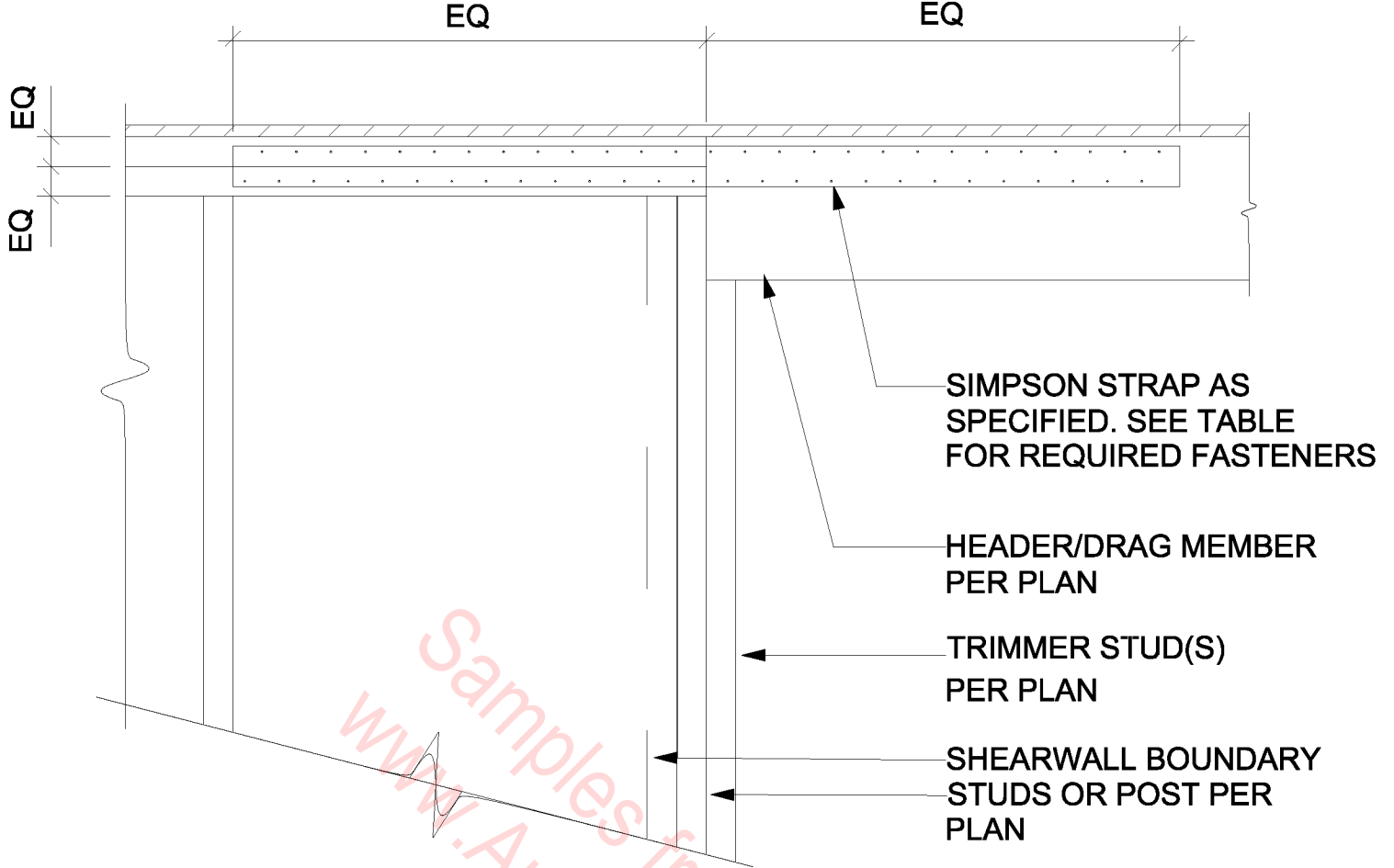


MARK PER PLAN	SIMPSON MODEL NO.	MIN STEM WIDTH	TYPICAL CONDITION		CORNER CONDITION	
			BOLTS		BOLTS	
			QTY	DIA	QTY	DIA
A	PAHD42	6	2	1/2	2	1/2
		8	2	1/2	2	1/2
B	HPAHD22	6	3	1/2	3	1/2
		8	3	1/2	3	1/2

DOUBLE POUR CONCRETE INSTALLATION

ENGINEERING NOTES

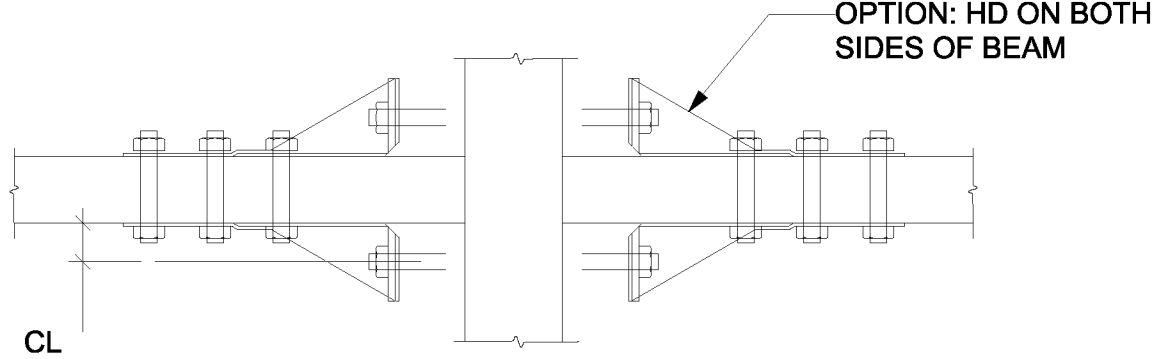
1. MINIMUM CONCRETE COMPRESSIVE STRENGTH IS 2500psi. FOR 2000psi, ALLOWABLE LOADS ARE 0.89x THE TABLE ALLOWABLE LOADS. FOR CORNER CONDITION ALLOWABLE LOADS ARE BASED ON 2000psi CONCRETE.
2. CALCULATE ALLOWABLE LOADS USING STRAIGHT LINE INTERPOLATION FOR CORNER DISTANCES BETWEEN 1/2" AND 8".
3. MINIMUM LUMBER THICKNESS FOR BOLT ALLOWABLE LOADS IS 2 1/2", REDUCE ALLOWABLE LOAD ACCORDING TO CODE FOR LESSER LUMBER THICKNESS.
4. SEE CURRENT SIMPSON CATALOG FOR ADDITIONAL DESIGN REQUIREMENTS.



'MST' DRAG STRUT

PIECE MARK	SIMPSON PIECE	FASTENERS
A	MST27	30-16d
B	MST37	42-16d
C	MST48	46-16d
D	MST60	56-16d
E	MST72	56-16d
F	MSTC28	36-16d SINKERS
G	MSTC40	54-16d SINKERS
H	MSTC52	70-16d SINKERS

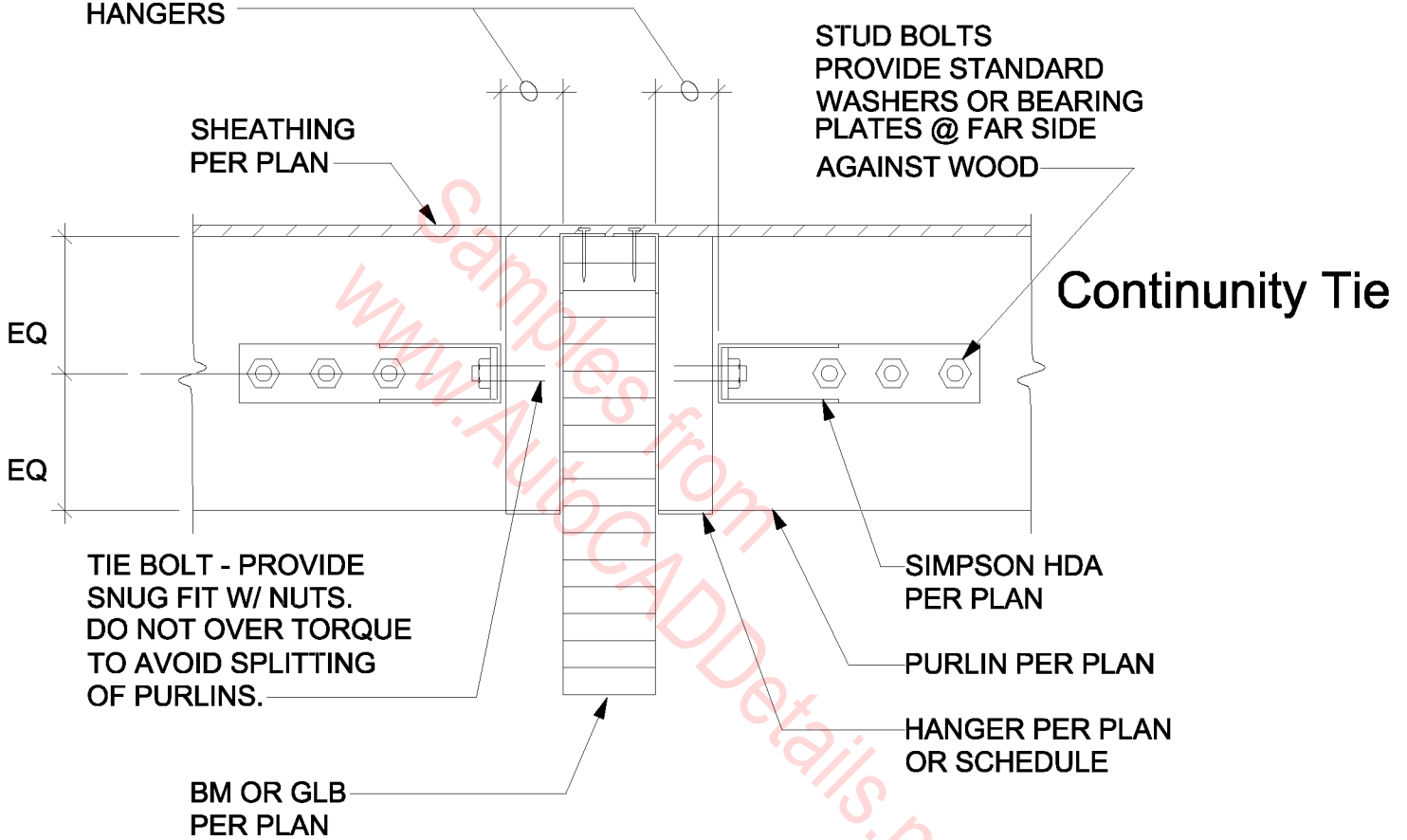
NOTE: PLACE NAILS STARTING @ CENTER OF STRAP & WORK OUT TO EACH END.



PLAN

HOLD BACK AS REQ'D TO AVOID PURLIN HANGERS

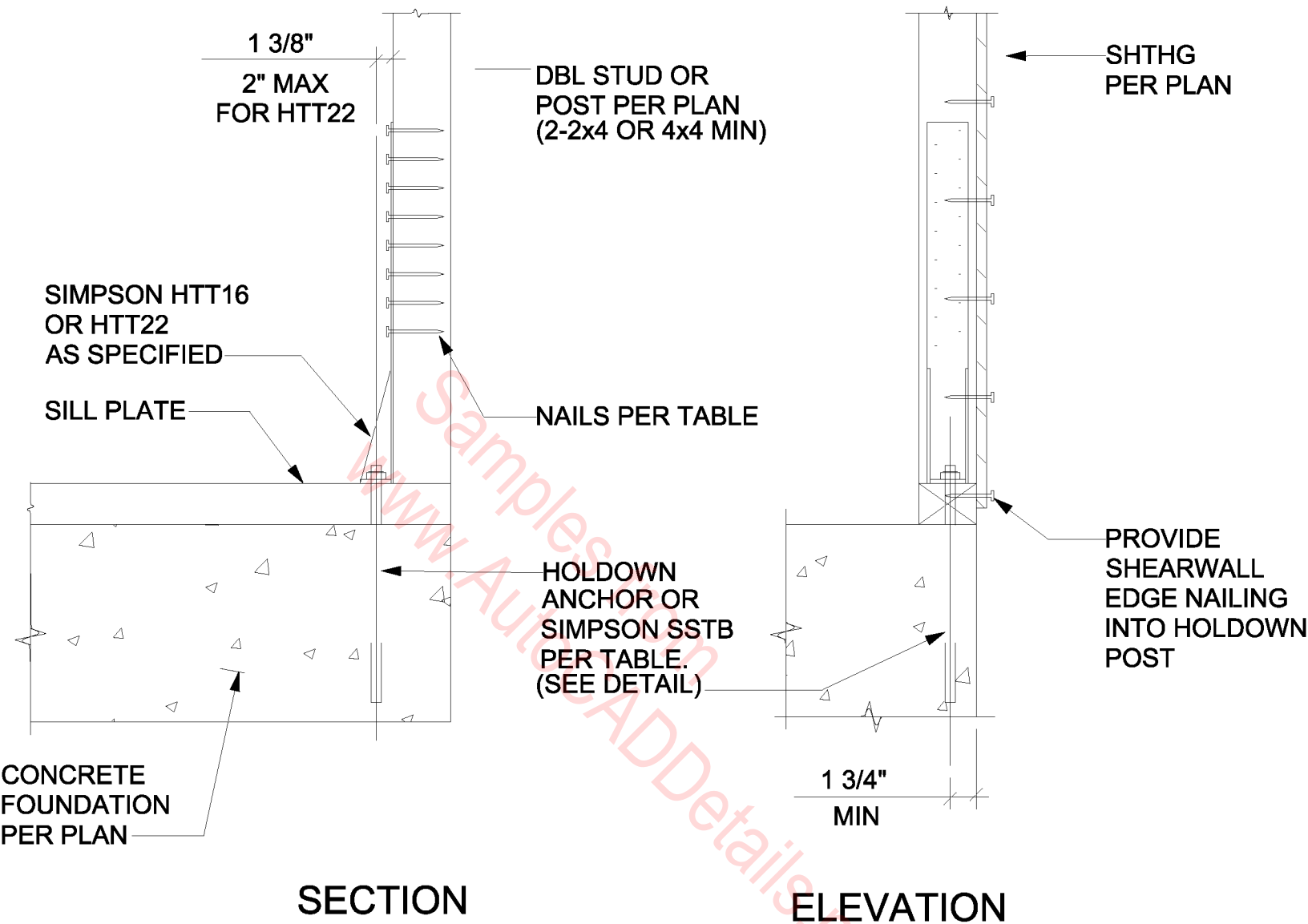
STUD BOLTS PROVIDE STANDARD WASHERS OR BEARING PLATES @ FAR SIDE AGAINST WOOD



ELEVATION

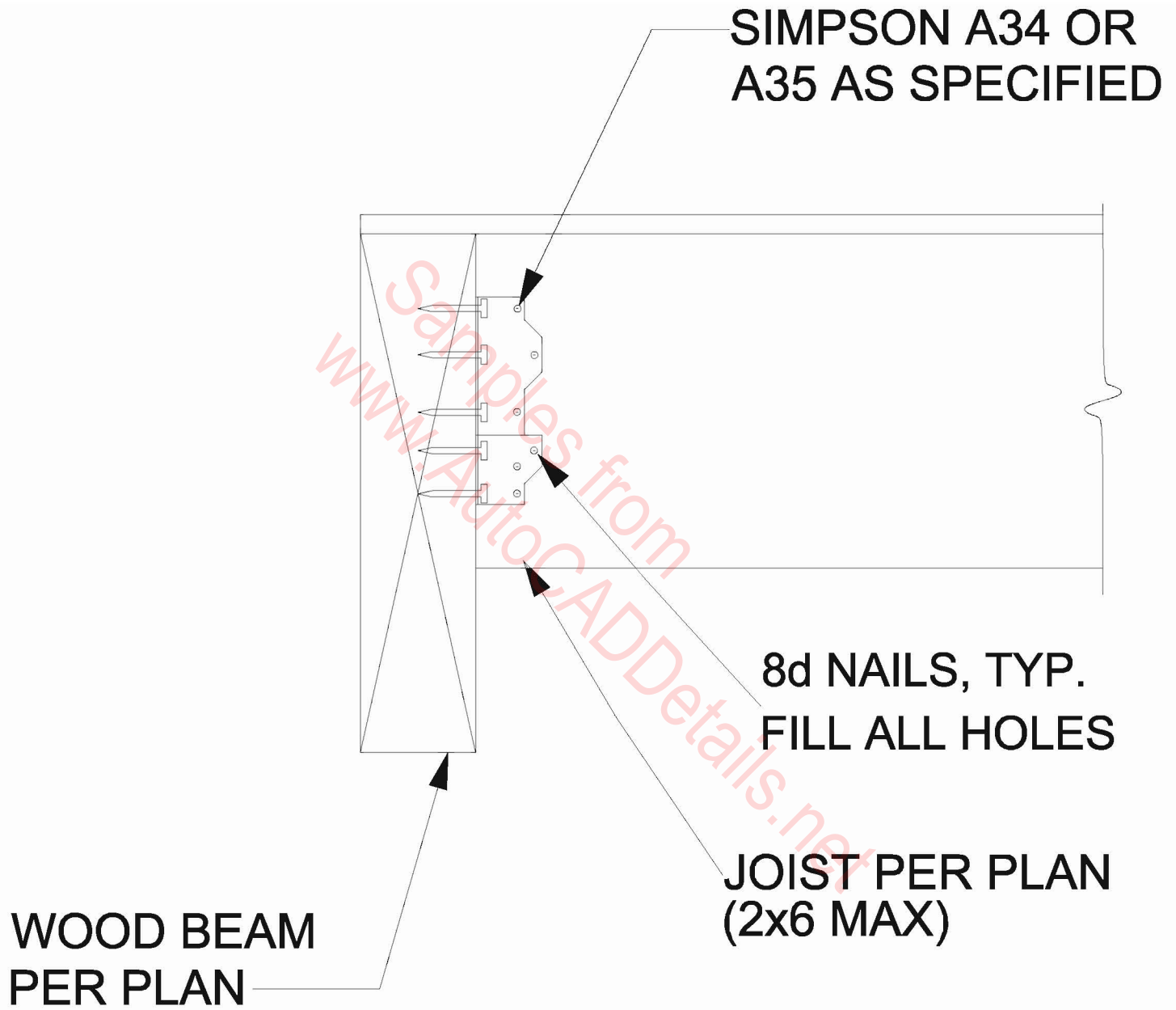
Continuity Tie Between Purlins

SIMPSON MODEL NO.	FASTENERS			
	DIM FOR BOLT PLACEMENT 'CL'	TIE BOLT DIA	STUD BOLTS	
			QTY	DIA
HD2A	1 7/16	5/8	2	5/8
HD5A	2 3/16	5/8 OR 3/4	2	3/4
HD6A	2 1/16	7/8	2	7/8
HD8A	2 1/16	7/8	3	7/8
HD10A	2 1/16	7/8	4	7/8
HD14A	2 3/16	1	4	1
HD20A	2 3/8	1 1/4	4	1

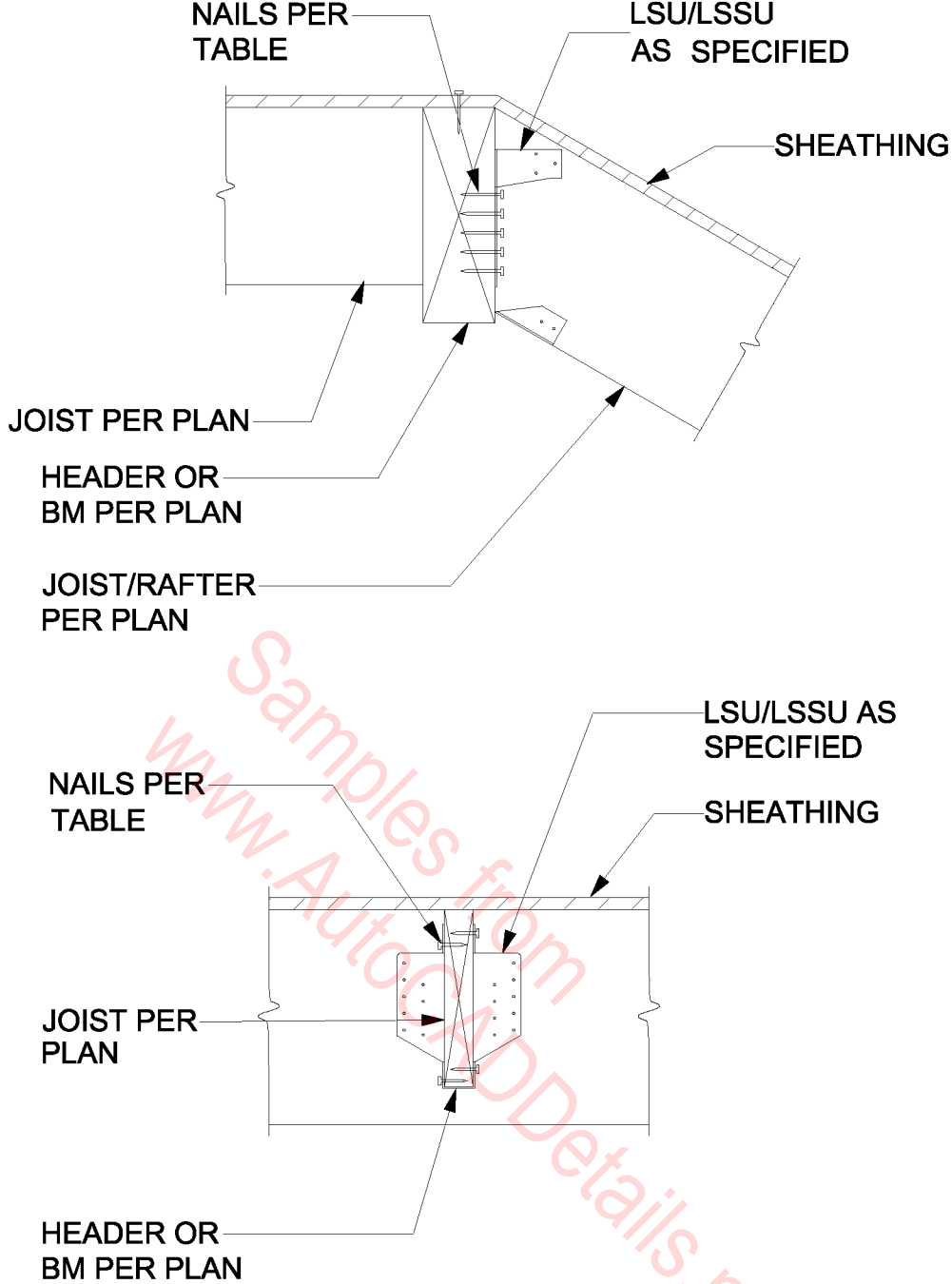


HTT FOUNDATION ANCHOR

SIMPSON MODEL NO.	FASTENERS		
	ANCHOR BOLTS	NAILS	APPLICABLE SIMPSON SSTB
HTT16	5/8	18-16d	SSTB24
HTT22	5/8	32-16d SINKERS	SSTB24

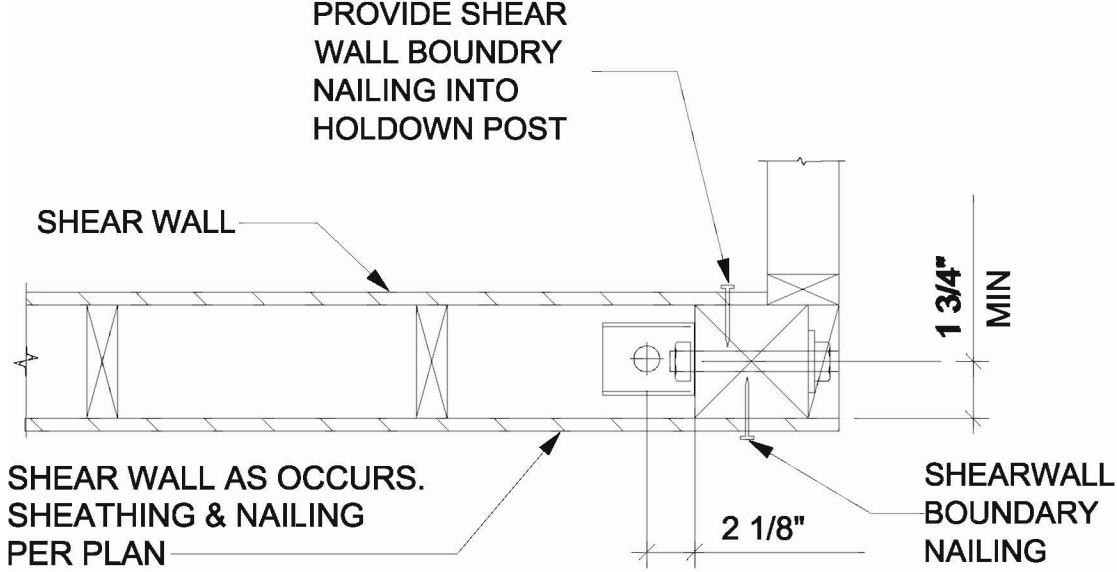


A34/A35 FRAMING ANCHOR DETAIL

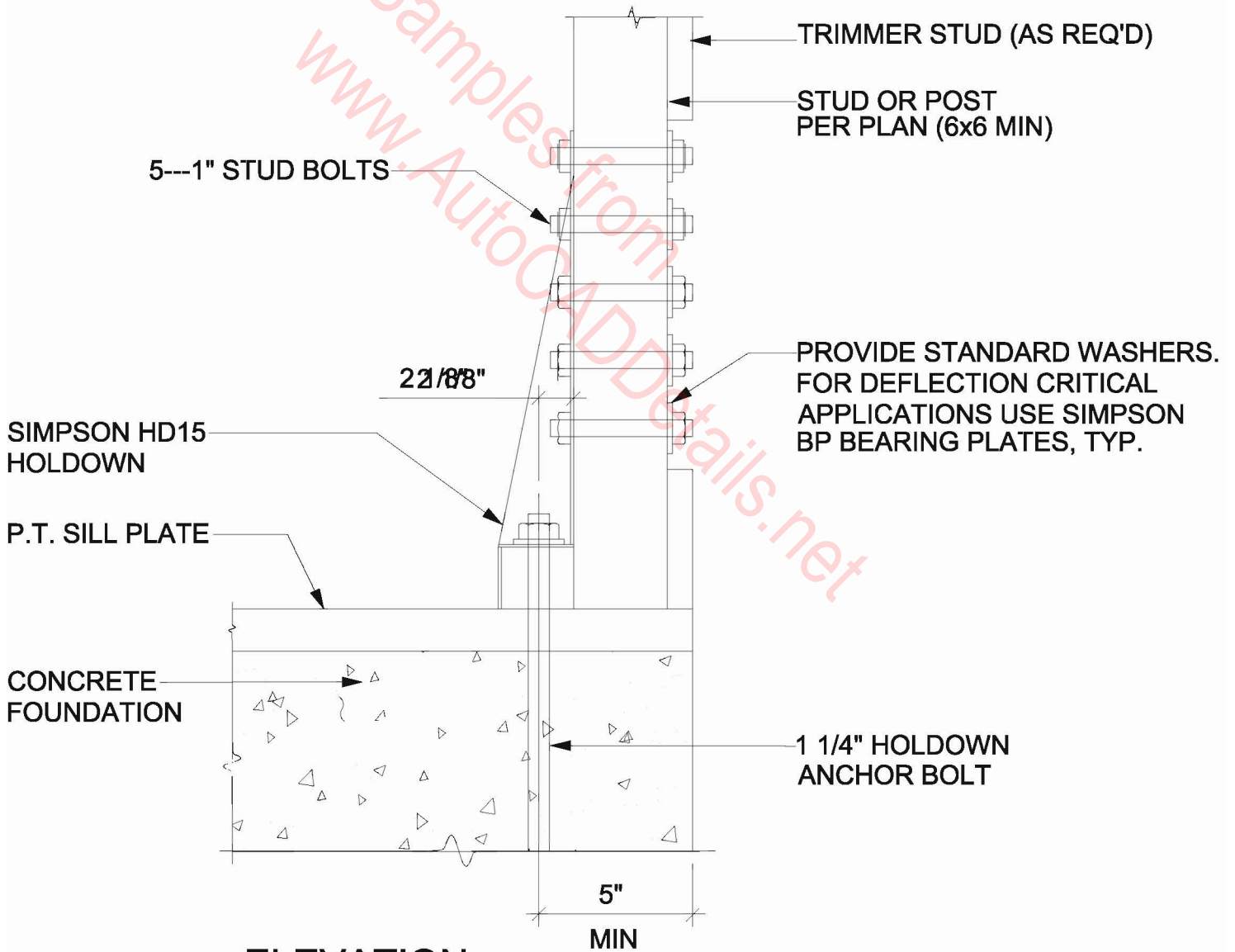


LSU/LSSU HANGER DETAIL

SIMPSON MODEL NO.	JOIST SIZE	DIMENSIONS		FASTENERS	
		W	H	HEADER	JOIST
LSU26	2x6	1 9/16	4 7/8	6-10d	5-10dx1 1/2
LSSU28	2x8	1 9/16	7 1/8	10-10d	5-10dx1 1/2
LSSU210	2x10 & UP	1 9/16	8 1/2	10-10d	7-10dx1 1/2
LSSUH310	3x10 & UP	2 9/16	8 1/2	18-16d	12-10dx1 1/2
LSSU210-2	(2)2x10 & UP	3 1/8	8 1/2	18-16d	12-10dx1 1/2
LSSU410	4x10 & UP	3 9/16	8 1/2	18-16d	12-10dx1 1/2

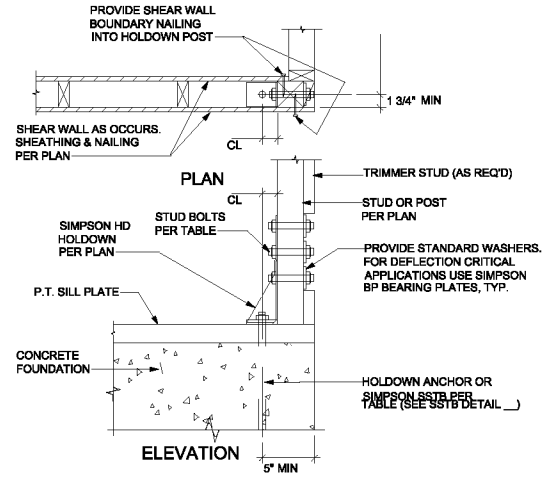


PLAN



**HD15 @ FOUNDATION
(CORNER CONDITION)**

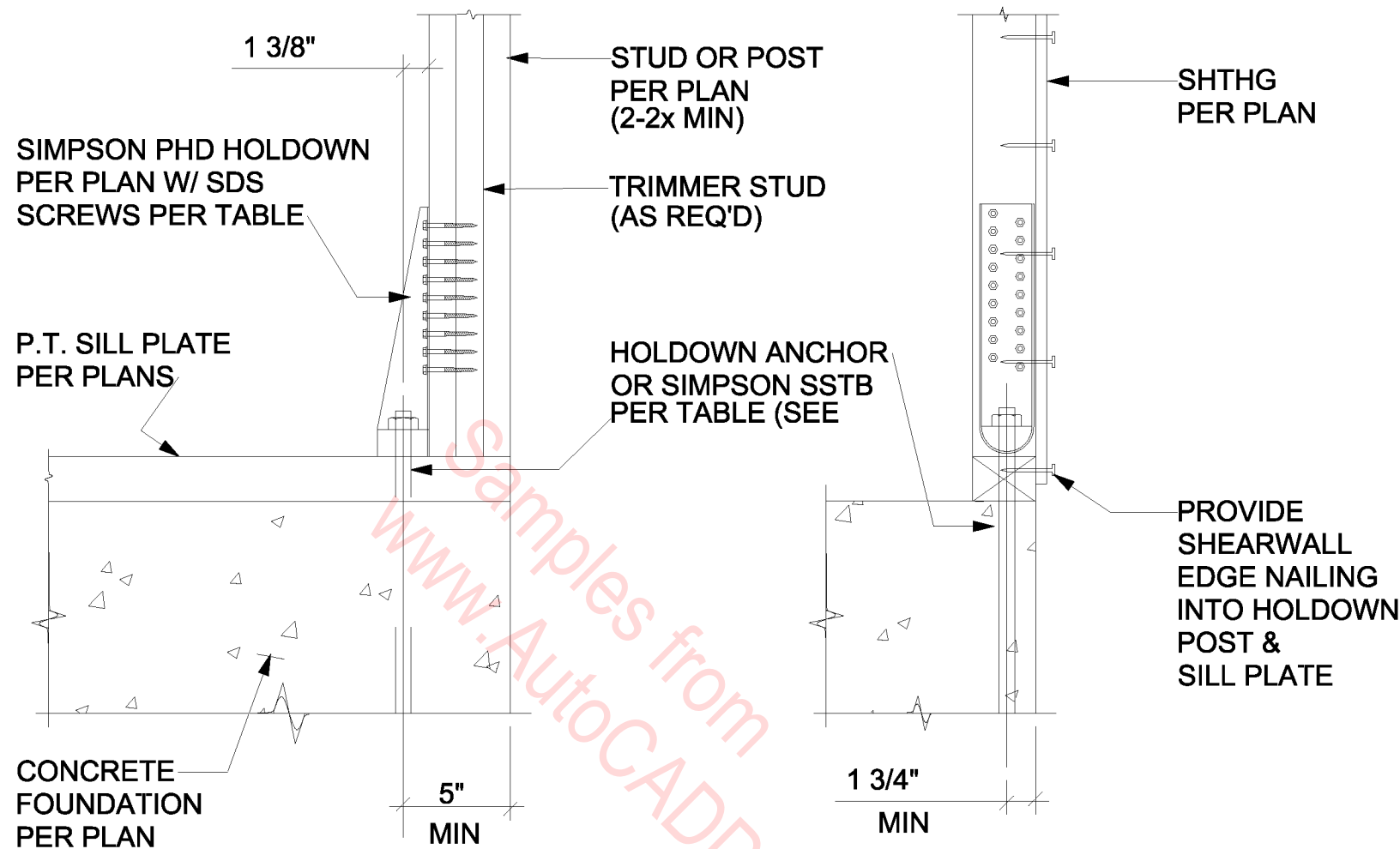
Samples from
www.AutoCADDetails.net



HD @ Foundation (CORNER CONDITION)

SIMPSON MODEL NO.	MINIMUM POST OR STUD SIZE	DIM FOR BOLT PLACEMENT 'CL'	HOLDOWN ANCHOR DIA	FASTENERS		STUD BOLTS	
				APPLICABLE SIMPSON SSTB MONO POUR	APPLICABLE SIMPSON SSTB DUAL POUR	QTY	DIA
HD2A	2x	1 7/16	5/8	SSTB16	SSTB20	2	5/8
HD5A	2x	2 3/16	5/8 OR 3/4	SSTB20	SSTB24	2	3/4
HD6A	2x	2 1/16	7/8	SSTB28	SSTB34	2	7/8
HD8A	2x	2 1/16	7/8	SSTB28	SSTB34	3	7/8
HD10A	2x ⁽²⁾	2 1/16	7/8	SSTB28 ⁽²⁾	SSTB34	4	7/8
HD14A	4x6	2 3/16	1	-	-	4	1
HD20A	4x6	2 3/8	1 1/4	-	-	4	1

ENGINEERING NOTES
 1. BASED ON THE MAXIMUM VALUE FOR SSTB EQUAL TO OR GREATER THAN MAXIMUM VALUE FOR HD SINGLE POUR INSTALLATIONS.
 2. WHEN HD10A CAPACITY IS BASED ON 3 1/2" OR GREATER FOR WIND DESIGN LOADS USE OTHER ANCHOR DESIGN

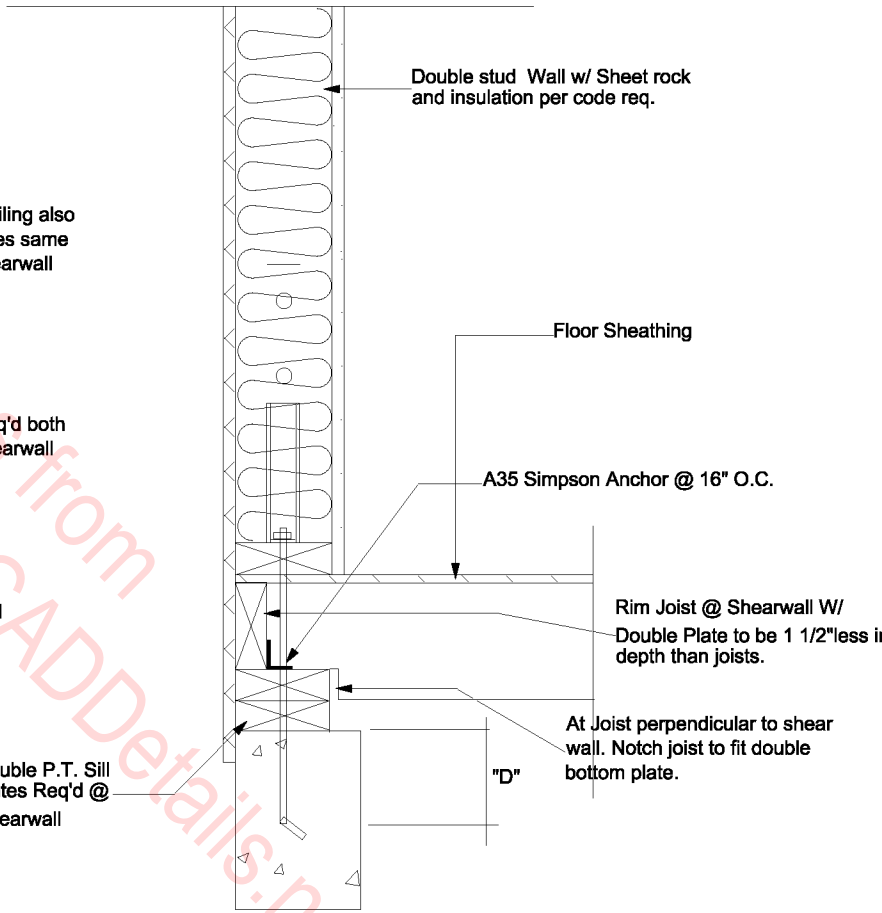
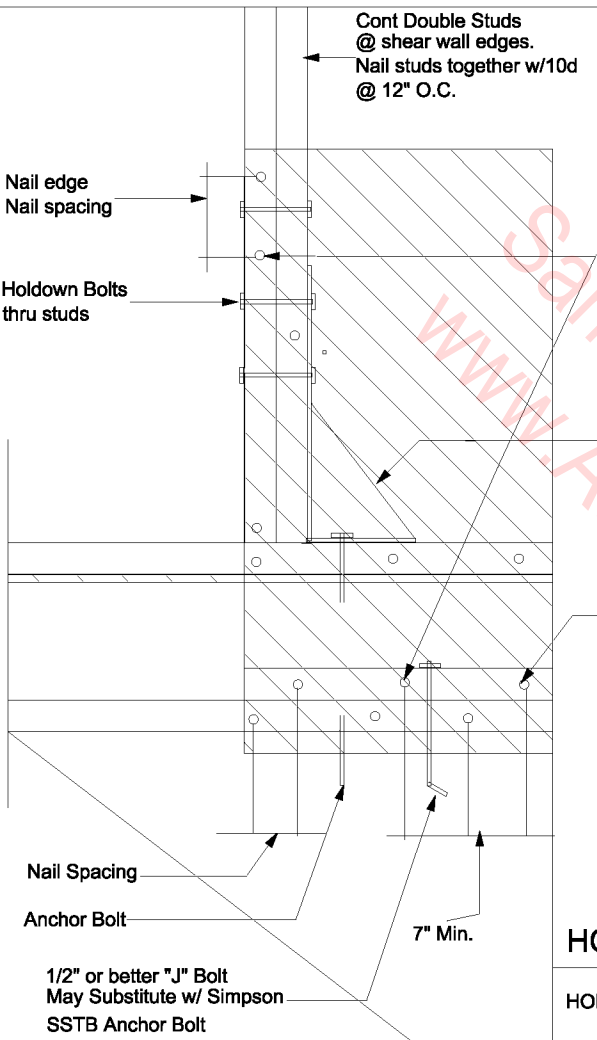


ELEVATION

SECTION

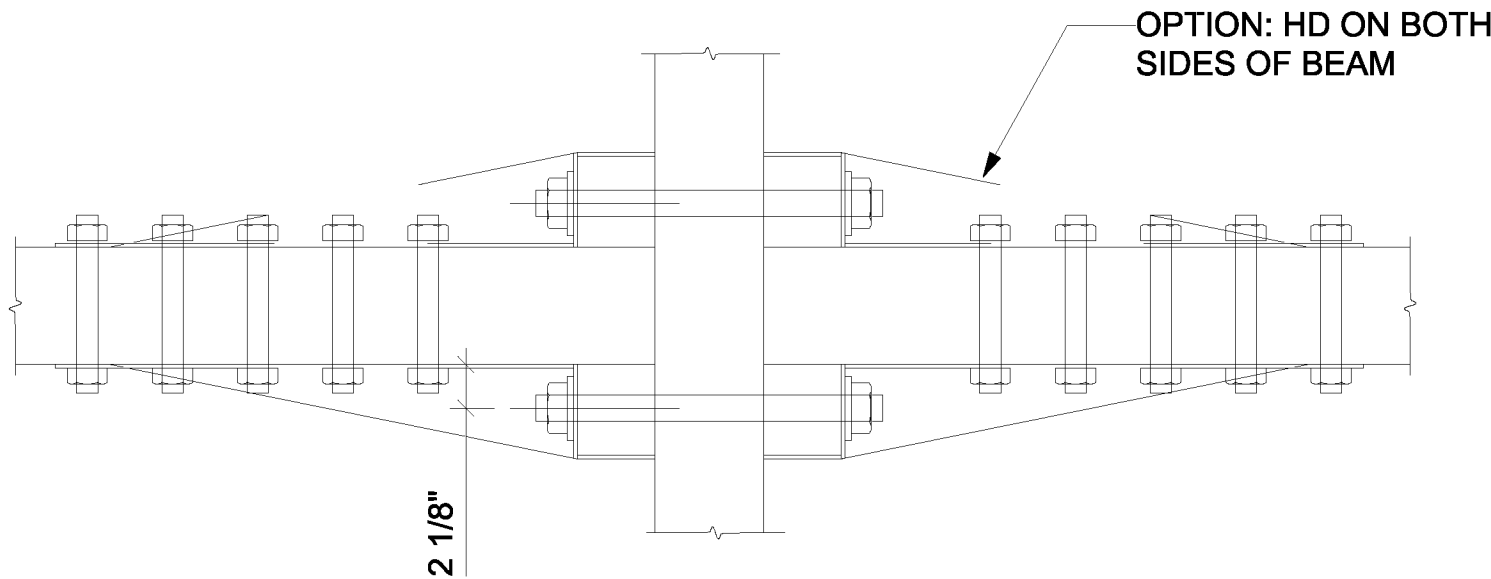
PHD @ FOUNDATION

SIMPSON MODEL NO.	FASTENERS			
	HOLDOWN ANCHOR DIA	NO. OF SDS1/4X3 WOOD SCREWS	APPLICABLE SIMPSON SSTB	
			MONO POUR	DUAL POUR
PHD2	5/8	10	SSTB16	SSTB20
PHD5	5/8	14	SSTB20	SSTB24
PHD6	7/8	18	SSTB28	SSTB34
PHD8	7/8	24	SSTB28	SSTB34

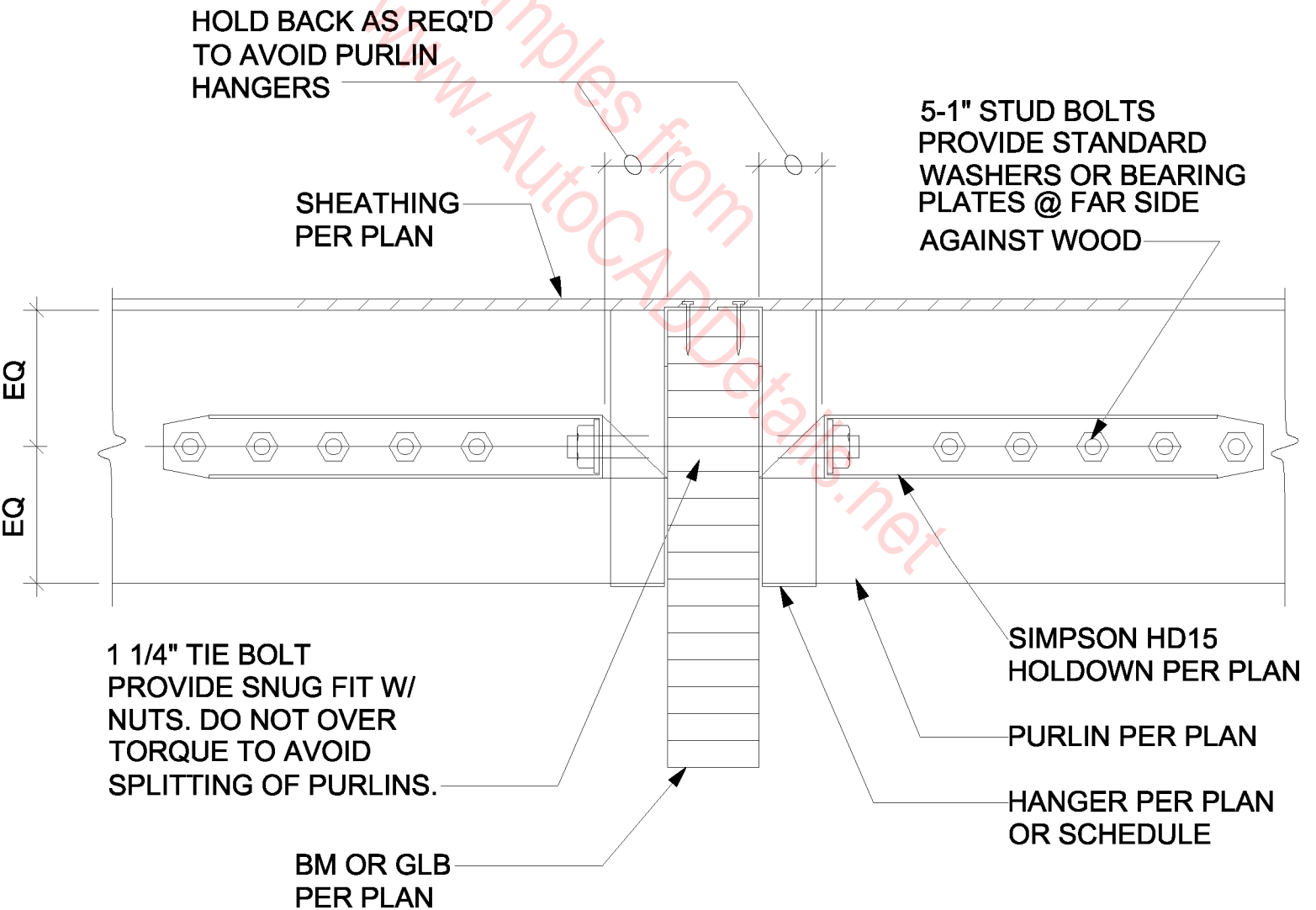


HOLDOWN BOLTS REQUIREMENTS

HOLDOWNS	BOLTS THRU STUDS	BOLTS IN FNDN	"D"
HD2A	(2) 5/8"	(1) 5/8"	16"
HD5A	(2) 3/4"	(1) 5/8"	20"
HD6A	(2) 7/8"	(1) 7/8"	20"
HD8A	(3) 7/8"	(1) 7/8"	20"
HD10A	(4) 7/8"	(1) 7/8"	24"

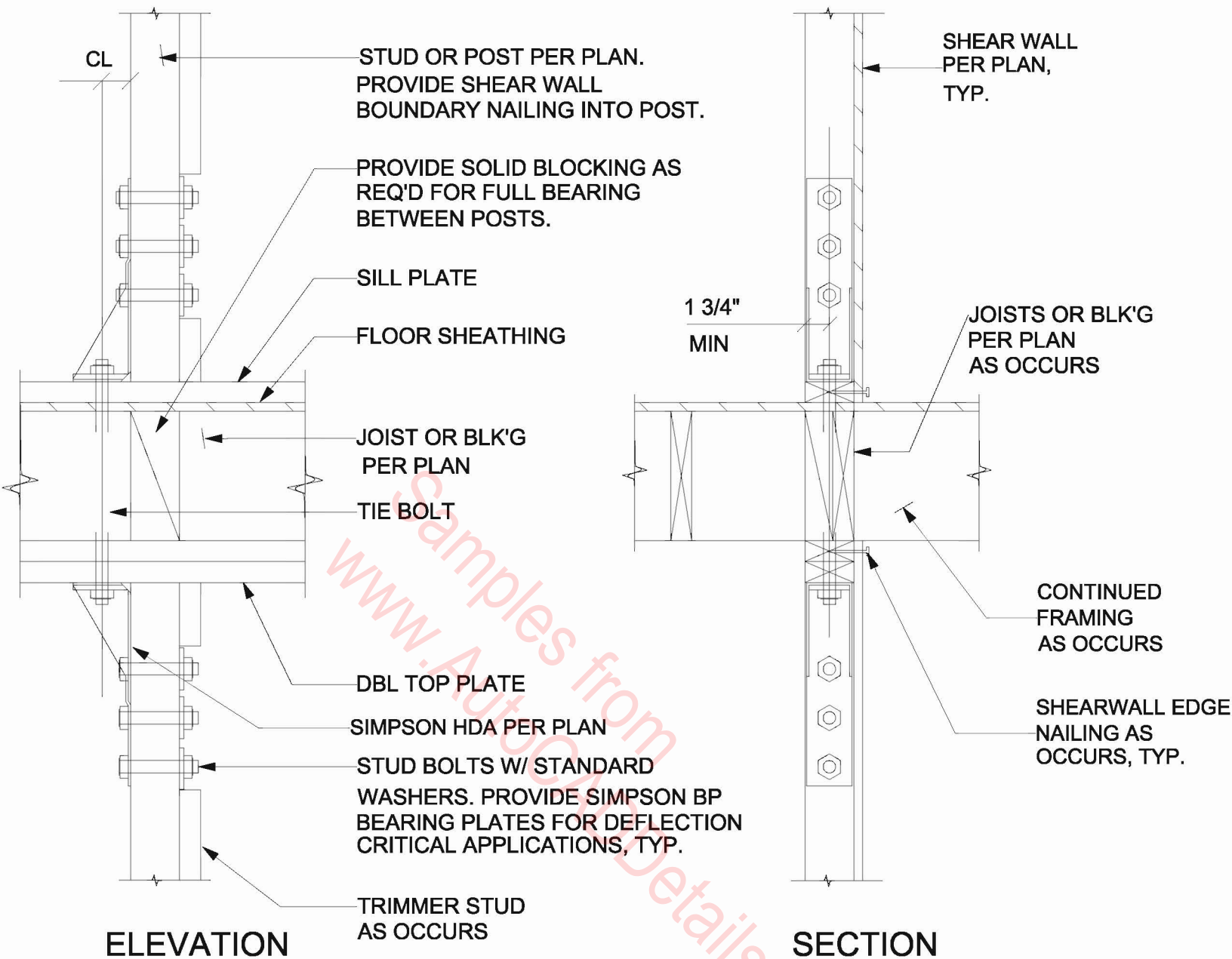


PLAN



ELEVATION

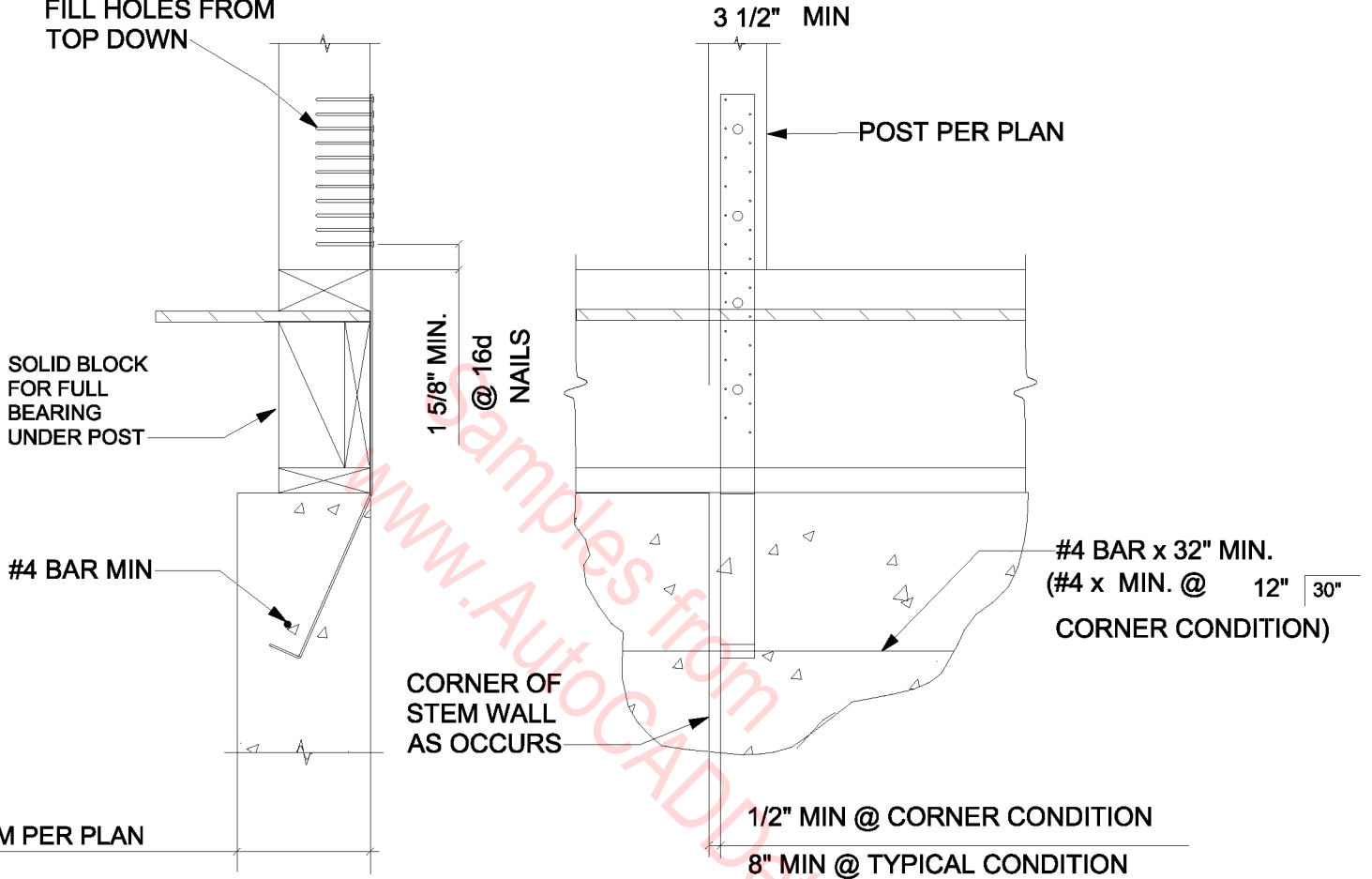
HD15A



HD TIE BETWEEN FLOORS

SIMPSON MODEL NO.	MINIMUM POST OR STUD SIZE	FASTENERS			
		DIM FOR BOLT PLACEMENT 'CL'	TIE BOLT DIA	STUD BOLTS	
				QTY	DIA
HD2A	2x	1 7/16	5/8	2	5/8
HD5A	2x	2 3/16	5/8 OR 3/4	2	3/4
HD6A	2x	2 1/16	7/8	2	7/8
HD8A	2x	2 1/16	7/8	3	7/8
HD10A	2x	2 1/16	7/8	4	7/8
HD14A	4x6	2 3/16	1	4	1
HD20A	4x6	2 3/8	1 1/4	4	1

SEE TABLE FOR SIZE
& NUMBER OF NAILS.
FILL HOLES FROM
TOP DOWN

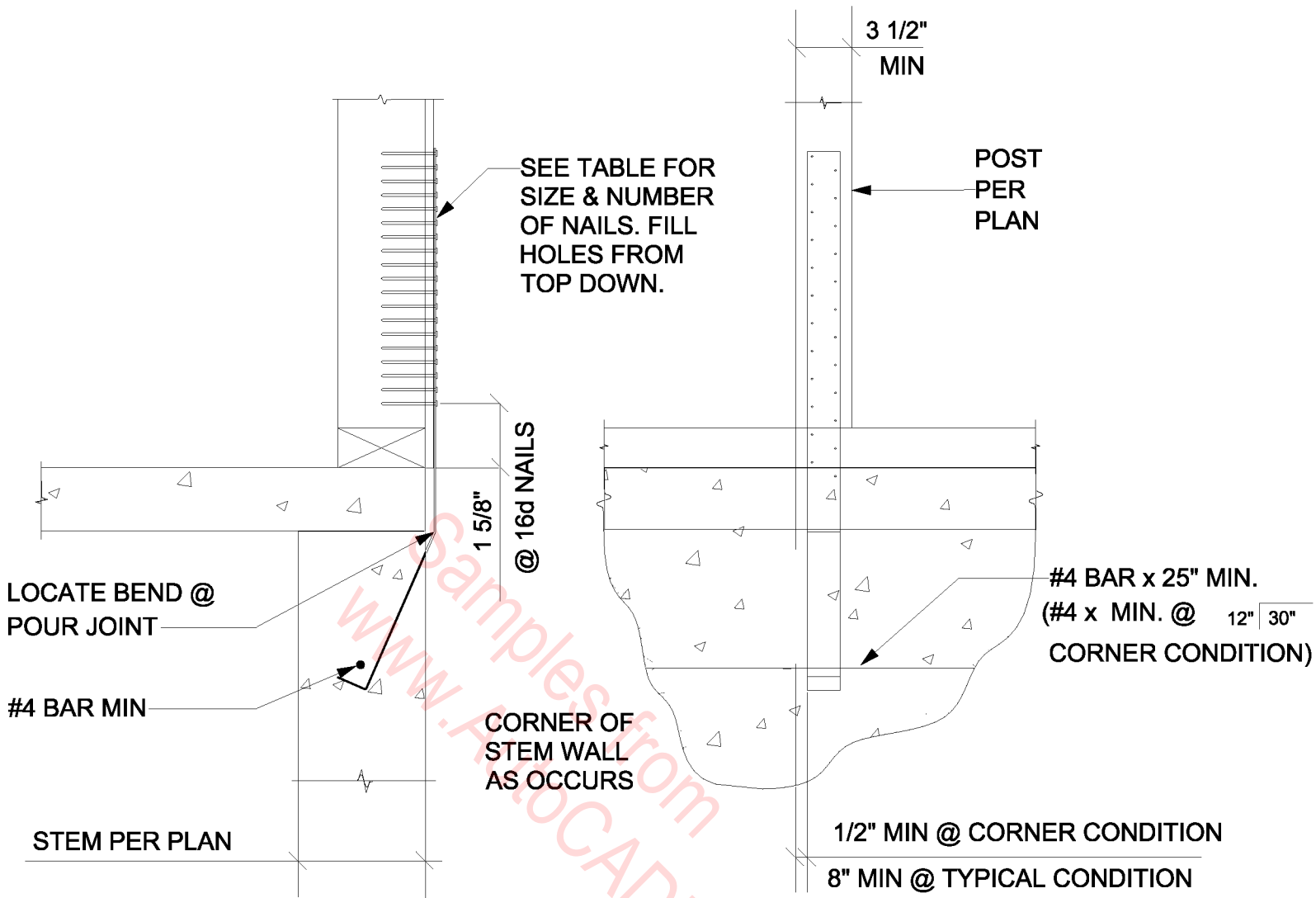


MARK PER PLAN	SIMPSON MODEL NO.	MIN STEM WIDTH	TYPICAL CONDITION	CORNER CONDITION
			COMMON NAILS	COMMON NAILS
A	HPAHD22	6	--	7-16d
		8	--	10-16d

RIM JOIST INSTALLATION HPAHD HOLDOWNS

ENGINEERING NOTES

1. MINIMUM CONCRETE COMPRESSIVE STRENGTH IS 2500psi. FOR 2000psi, ALLOWABLE LOADS ARE 0.89x THE TABLE ALLOWABLE LOADS. FOR CORNER CONDITION ALLOWABLE LOADS ARE BASED ON 2000psi CONCRETE.
2. 16d SINKER OR 10d COMMON NAILS MAY BE SUBSTITUTED FOR SPECIFIED 16d COMMON NAILS AT 0.85x THE ALLOWABLE TABLE LOADS.
3. CALCULATE ALLOWABLE LOADS USING STRAIGHT LINE INTERPOLATION FOR CORNER DISTANCES BETWEEN 1/2" AND 8".
4. SEE CURRENT SIMPSON CATALOG FOR ADDITIONAL DESIGN REQUIREMENTS.



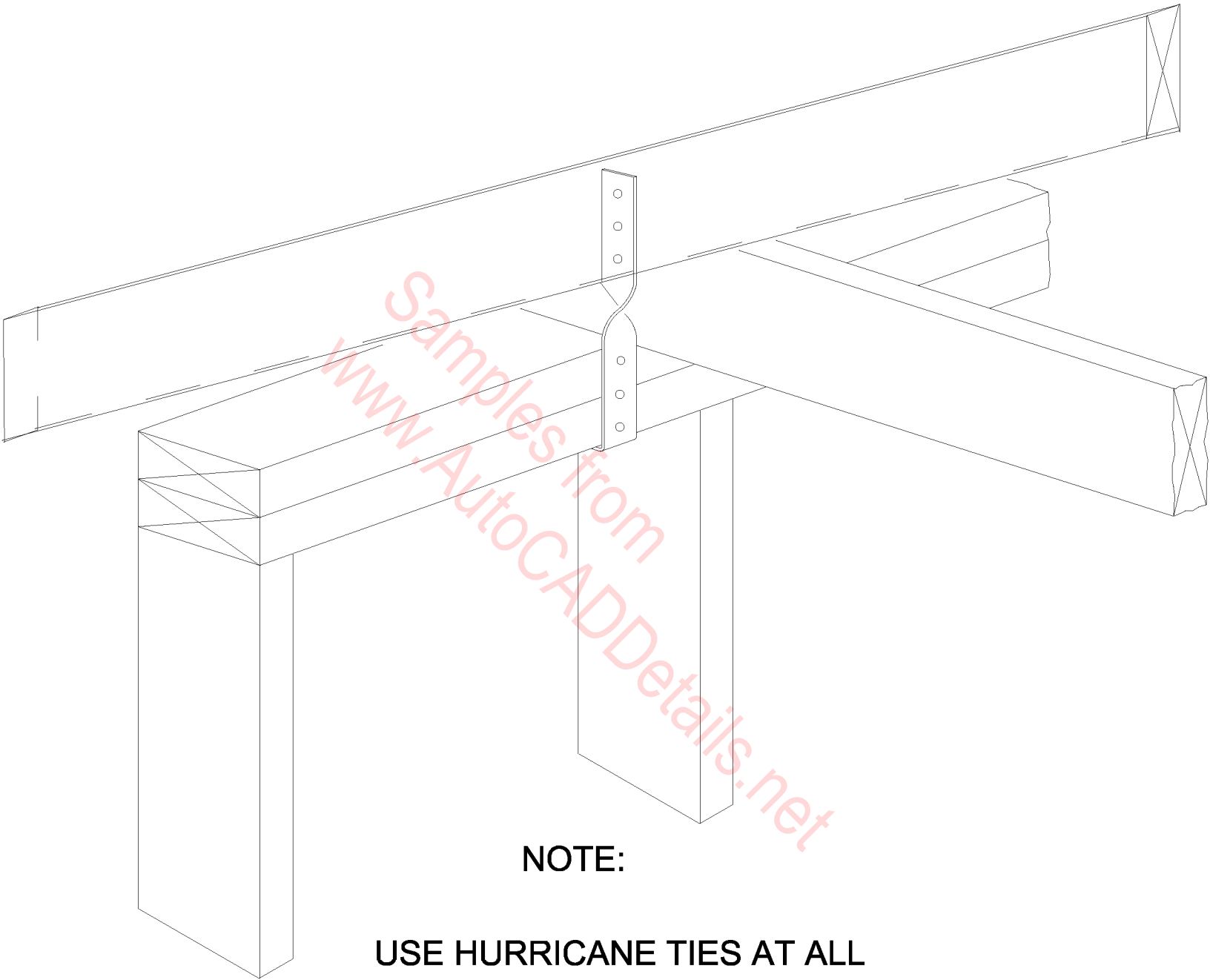
MARK PER PLAN	SIMPSON MODEL NO.	MIN STEM WIDTH	TYPICAL CONDITION	CORNER CONDITION
			COMMON NAILS	COMMON NAILS
A	PAHD42	6	12-16d	7-16d
		8	12-16d	8-16d
B	HPAHD22	6	16-16d	9-16d
		8	19-16d	11-16d

DOUBLE POUR CONCRETE INSTALLATION

PAHD/HPAHD HOLDOWNS

ENGINEERING NOTES

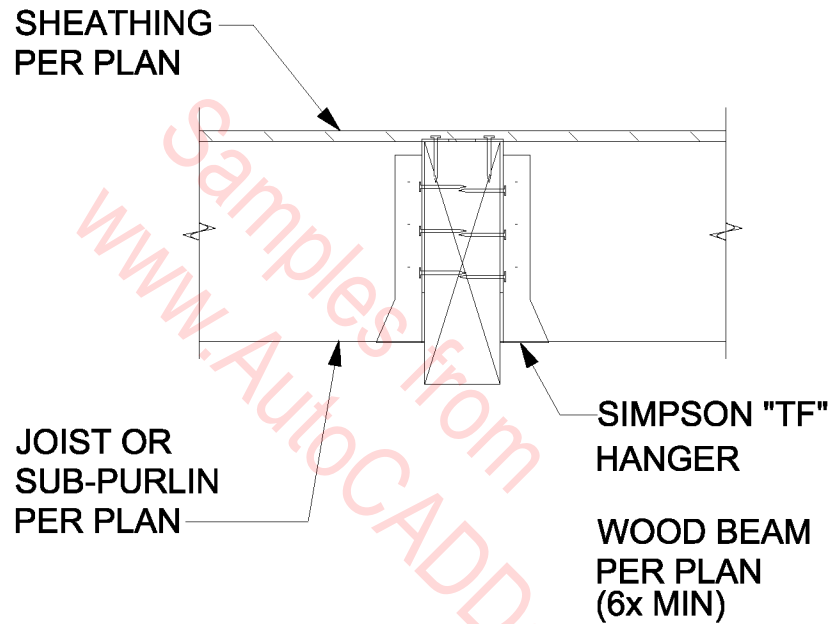
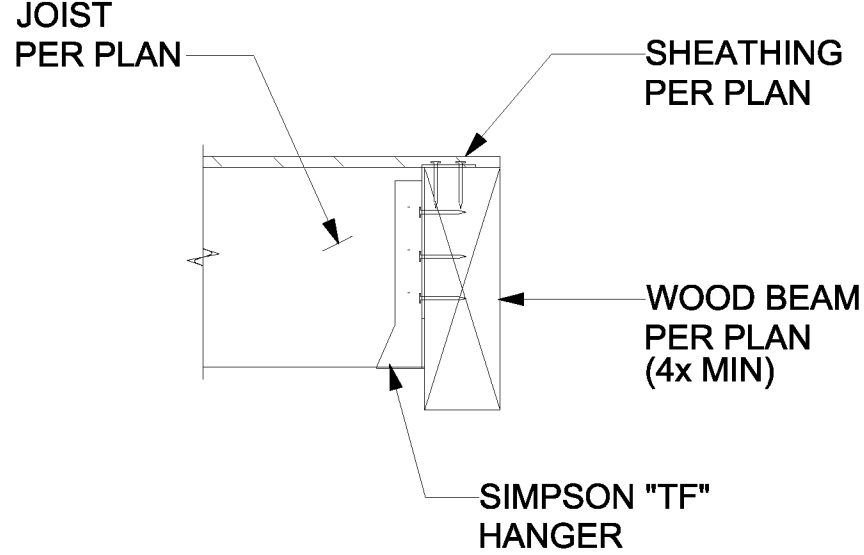
1. MINIMUM CONCRETE COMPRESSIVE STRENGTH IS 2500psi. FOR 2000psi, ALLOWABLE LOADS ARE 0.89x THE TABLE ALLOWABLE LOADS. FOR CORNER CONDITION ALLOWABLE LOADS ARE BASED ON 2000psi CONCRETE.
2. 16d SINKER OR 10d COMMON NAILS MAY BE SUBSTITUTED FOR SPECIFIED 16d COMMON NAILS AT 0.85x THE ALLOWABLE TABLE LOADS.
3. CALCULATE ALLOWABLE LOADS USING STRAIGHT LINE INTERPOLATION FOR CORNER DISTANCES BETWEEN 1/2" AND 8".
4. SEE CURRENT SIMPSON CATALOG FOR ADDITIONAL DESIGN REQUIREMENTS.



NOTE:

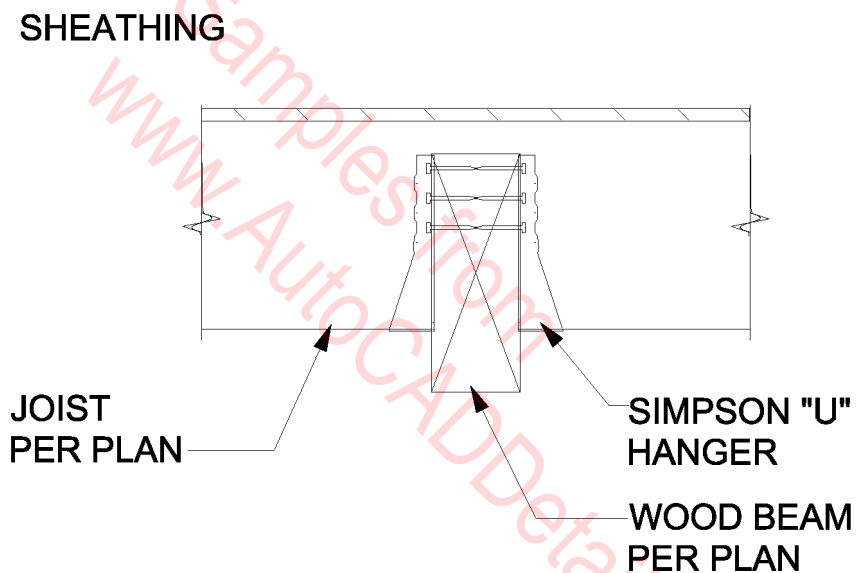
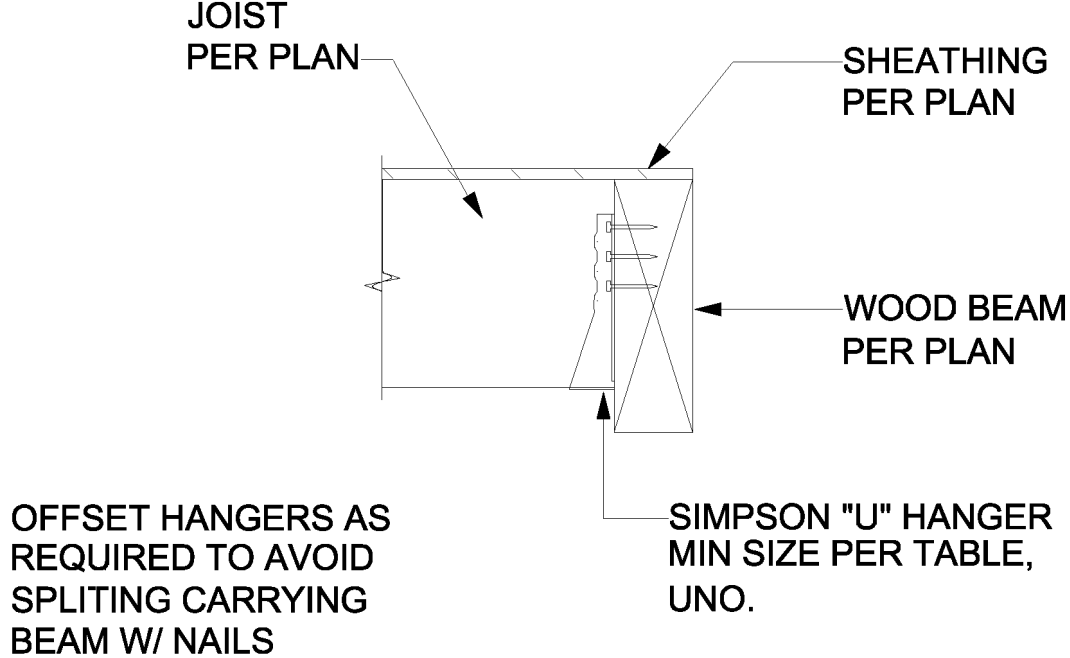
USE HURRICANE TIES AT ALL
TRUSS CONNECTIONS

HURRICANE TIE DETAIL



"TF" JOIST HANGER DETAILS (HU SERIES)

JOIST SIZE	SIMPSON MODEL NO.	FASTENERS	
		HEADER	JOIST
2x4	HU24TF	6-16d	2-10d x 1 1/2"
2x6	HU26TF	10-16d	4-10d x 1 1/2"
2x8	HU28TF	10-16d	4-10d x 1 1/2"
2x10	HU210TF	12-16d	4-10d x 1 1/2"
2x12	HU212TF	14-16d	6-10d x 1 1/2"
2x14	HU214TF	16-16d	6-10d x 1 1/2"
2x16	HU216TF	18-16d	8-10d x 1 1/2"



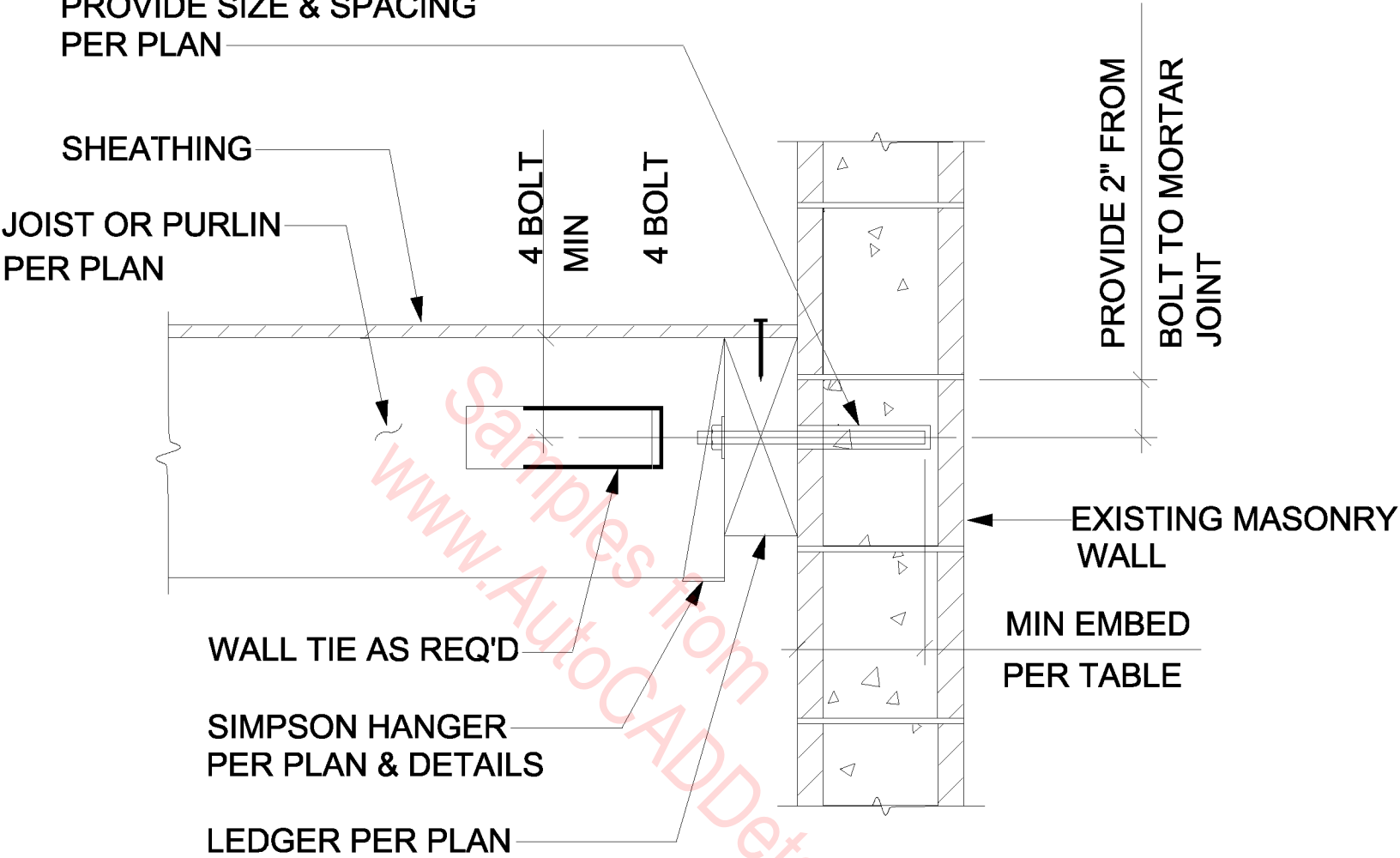
"U" JOIST HANGER DETAILS

JOIST SIZE	SIMPSON MODEL NO. (MIN UNO)	FASTENERS		JOIST
		HEADER (AS SPECIFIED)		
		10d	16d	
2x4	U24	4	4	2-10d x 1 1/2"
2x6, 2x8	U26	6	6	4-10d x 1 1/2"
2x10, 2x12, 2x14	U210	10	10	6-10d x 1 1/2"
2x14, 2x16	U214	12	12	8-10d x 1 1/2"

ENGINEERING NOTES

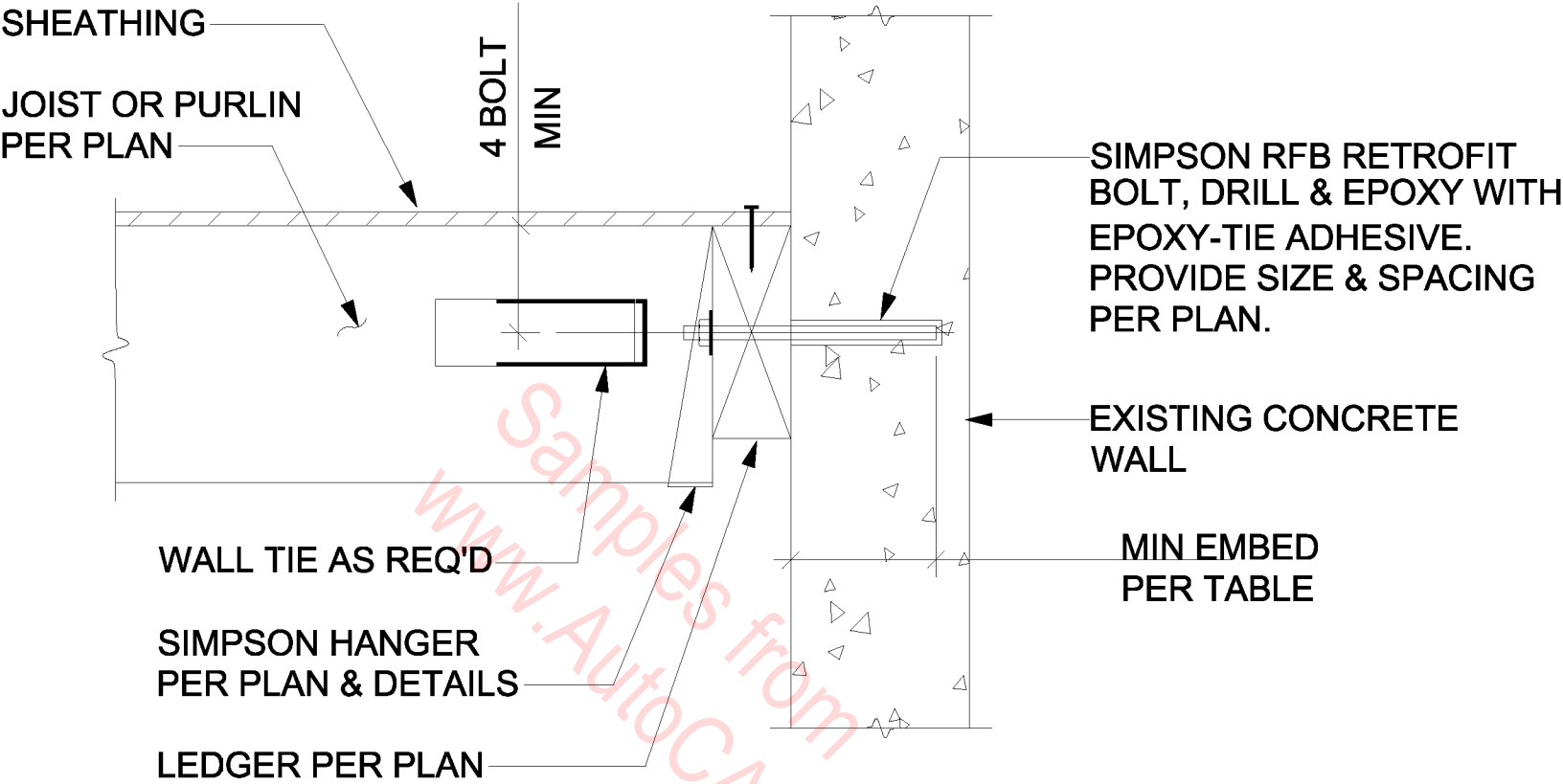
ENGINEER MUST SPECIFY WHICH NAILS (10d OR 16d) TO BE USED FOR ATTACHMENT OF HANGER TO HEADER.

SIMPSON RFB RETROFIT
 BOLT, DRILL & EPOXY WITH
 EPOXY-TIE ADHESIVE.
 PROVIDE SIZE & SPACING
 PER PLAN



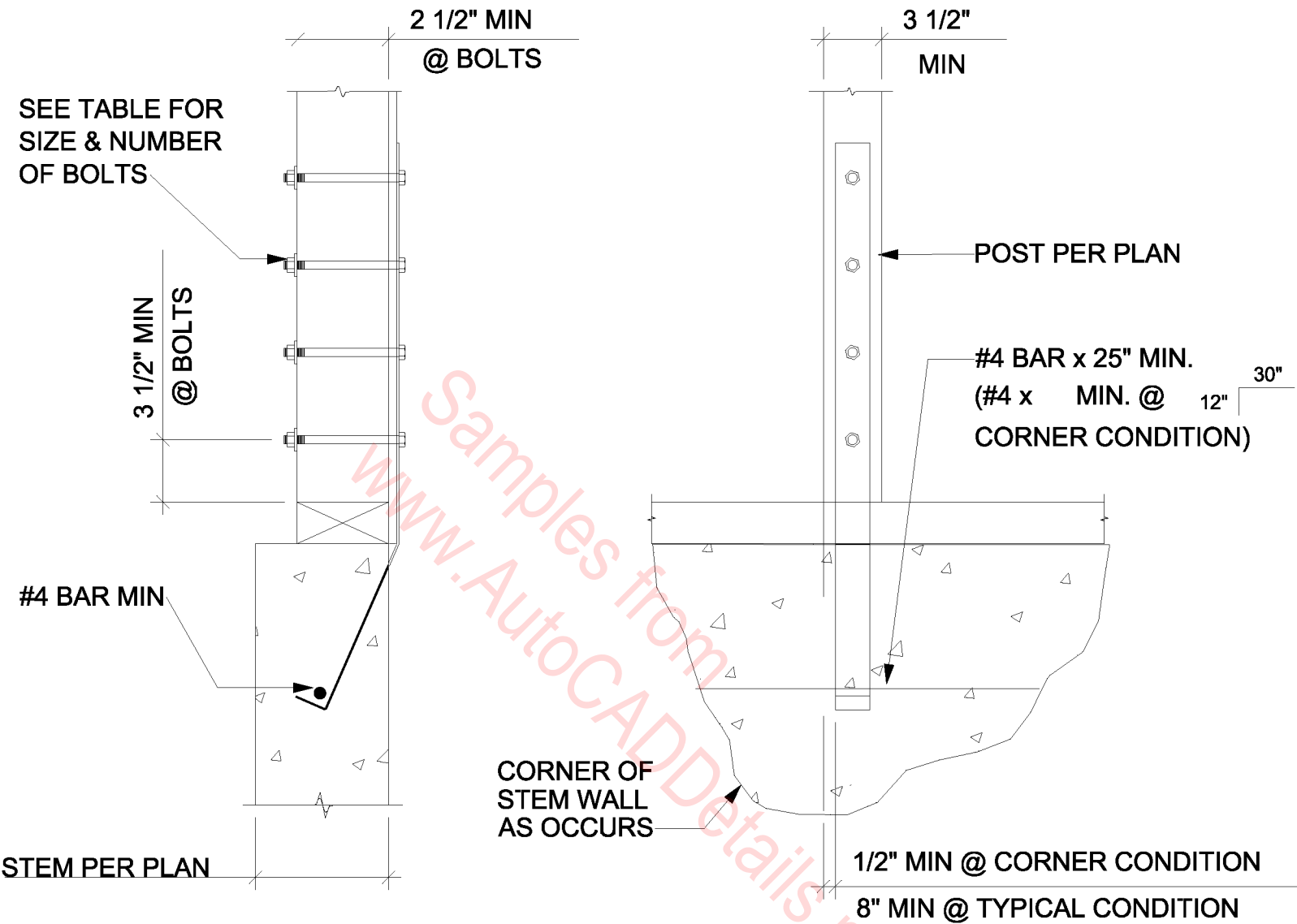
RFB FOR LEDGET SUPPORT

SIMPSON MODEL NO.	L	STUD DIA	EMBED DEPTH	MIN END DIST	MIN EDGE DIST	MAX LEDGER THICKNESS
RFB#4X7	7	1/2	4 1/4	3 1/4	3 1/4	1 1/2"
RFB#4X10	10	1/2	4 1/4	3 1/4	1 3/4	3 1/2"
RFB#5X8	8	5/8	5	3 3/4	3 3/4	2"
RFB#6X10.5	10	3/4	6 3/4	5	3 5/8	2 1/2"



RFB FOR LEDGET SUPPORT

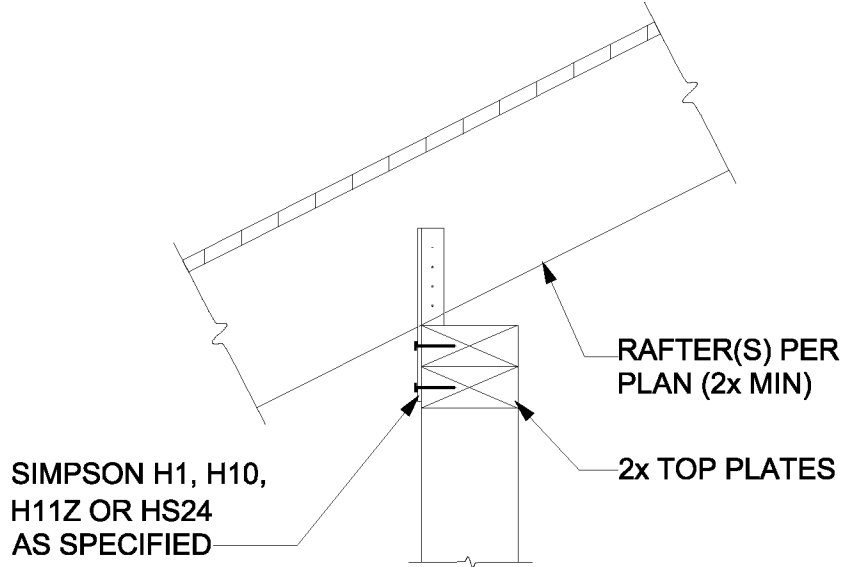
SIMPSON MODEL NO.	L	STUD DIA	EMBED DEPTH	MIN END DIST	MIN EDGE DIST	MAX LEDGER THICKNESS
RFB#4X7	7	1/2	4 1/4	3 1/4	3 1/4	1 1/2"
RFB#4X10	10	1/2	4 1/4	3 1/4	1 3/4	3 1/2"
RFB#5X8	8	5/8	5	3 3/4	3 3/4	2"
RFB#6X10.5	10	3/4	6 3/4	5	3 5/8	2 1/2"



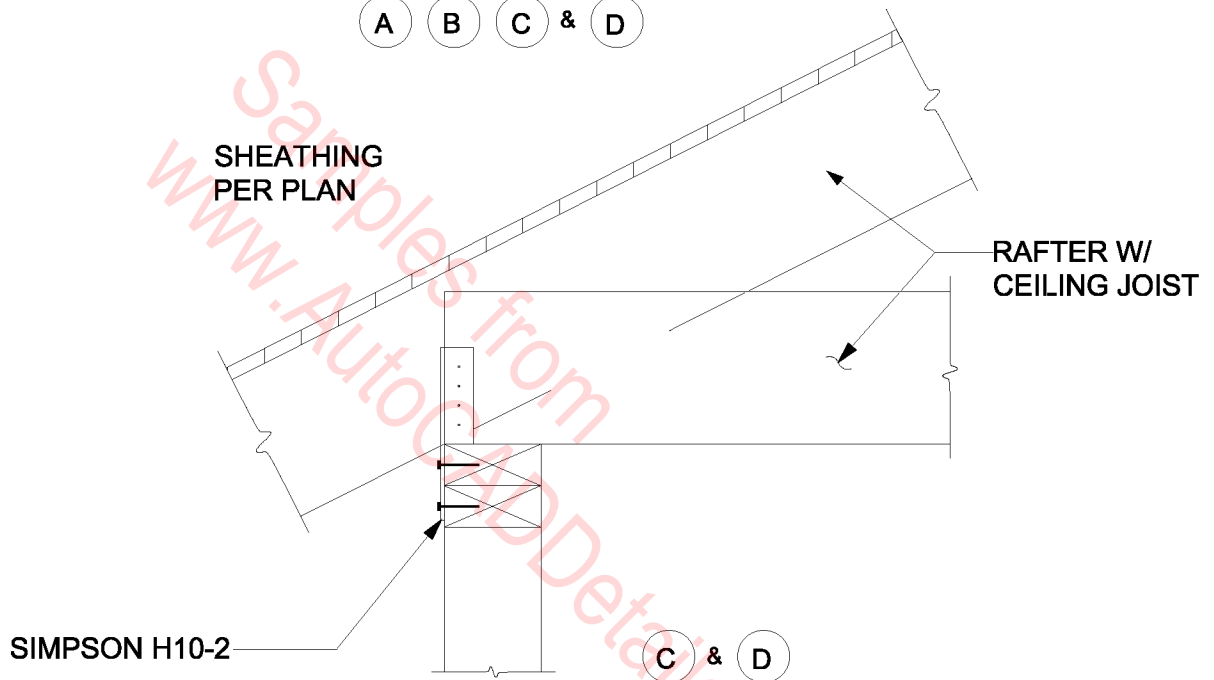
MARK PER PLAN	SIMPSON MODEL NO.	MIN STEM WIDTH	TYPICAL CONDITION		CORNER CONDITION	
			BOLTS		BOLTS	
			QTY	DIA	QTY	DIA
A	PAHD42	6	3	1/2	2	1/2
		8	3	1/2	2	1/2
B	HPAHD22	6	4	1/2	3	1/2
		8	4	1/2	3	1/2

PAHD/HPAHD HOLDOWNS

SINGLE POUR CONCRETE INSTALLATION



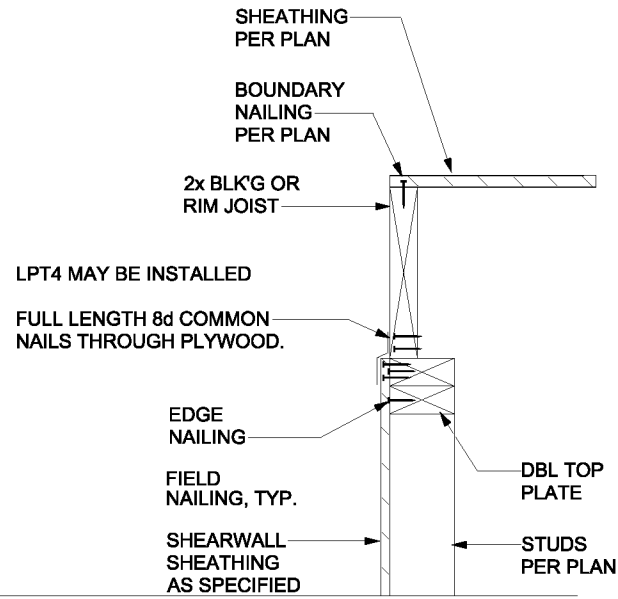
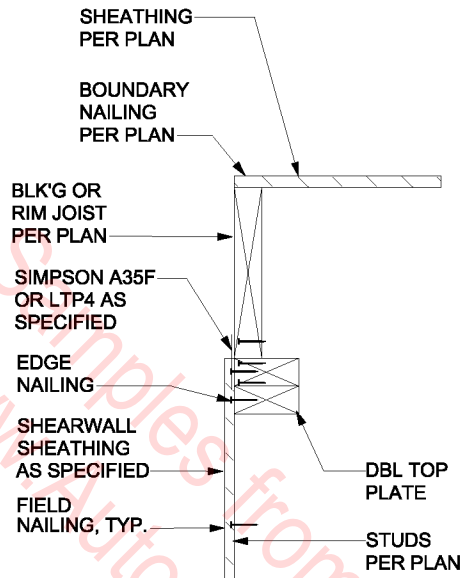
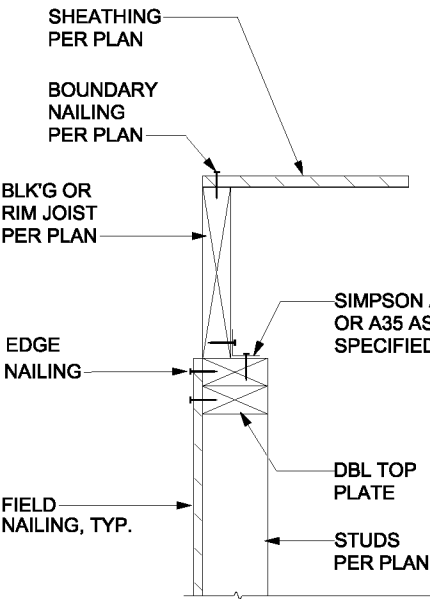
(A) (B) (C) & (D)



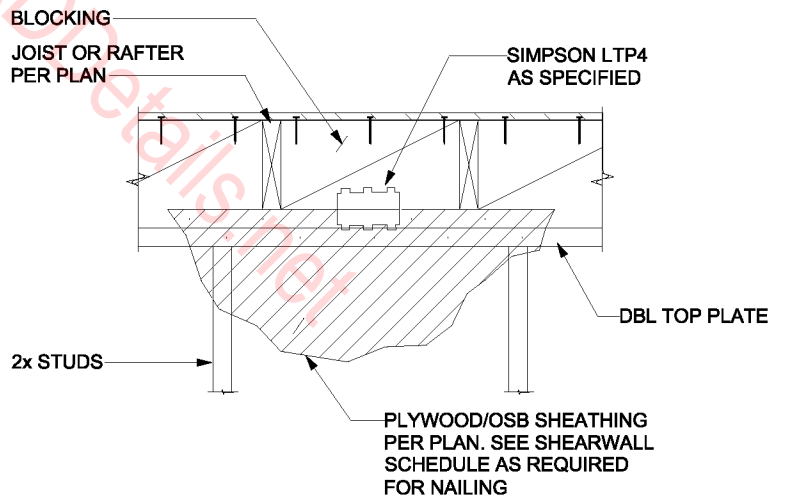
NOTE: BLOCKING BETWEEN RAFTERS AND ADDITIONAL SHEAR TRANSFER NOT SHOWN FOR CLARITY. SEE APPLICABLE DETAILS AS REQUIRED.

RAFTER TIE TO TOP PLATE

DETAIL MARK	SIMPSON PIECE	FASTENERS - NAILS	
		RAFTER	TOP PLATE
A	H1	6-8d x 1 1/2	4-8d
B	H10, H10R	8-8d x 1 1/2	8-8d x 1 1/2
C	H11Z	6-16d x 2 1/2	6-16d x 2 1/2
D	H10-2	6-10d	6-10d
E	HS24	2-8d SLANT	8-8d

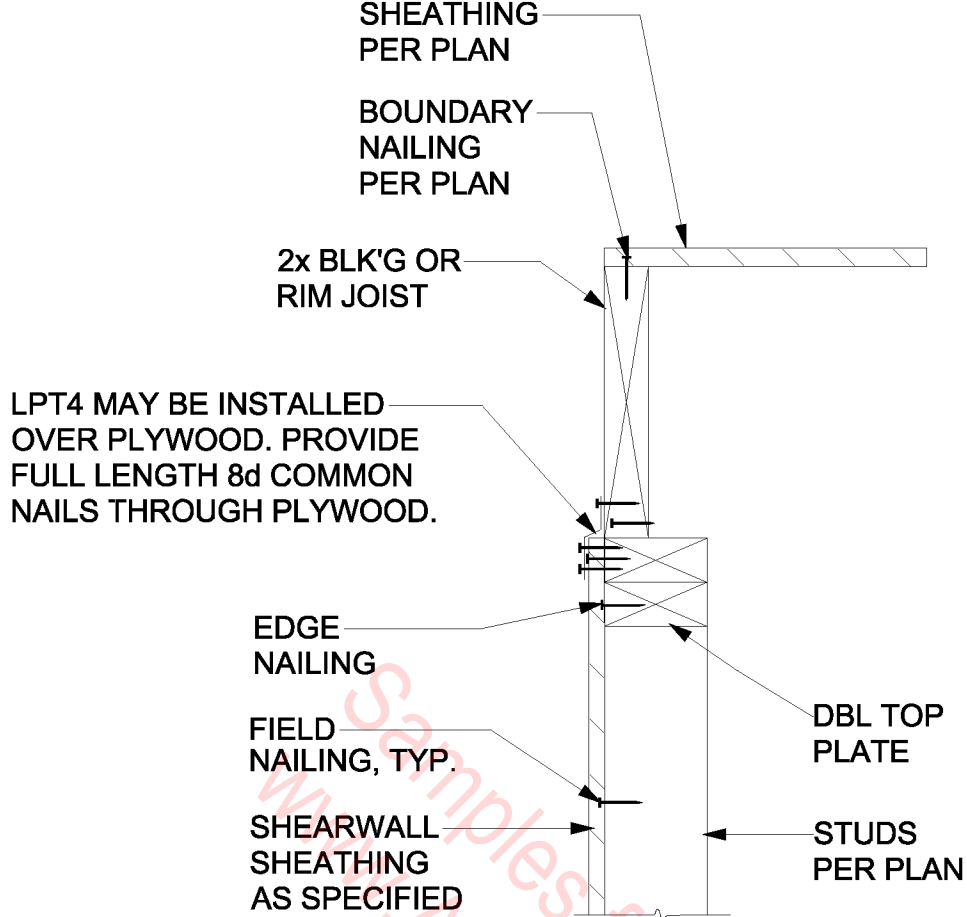


SIMPSON MODEL NO.	FASTENERS	
		NO.
A34	8d x 1 1/2"	8
A35	8d x 1 1/2"	12
LTP4	8d x 1 1/2"	12

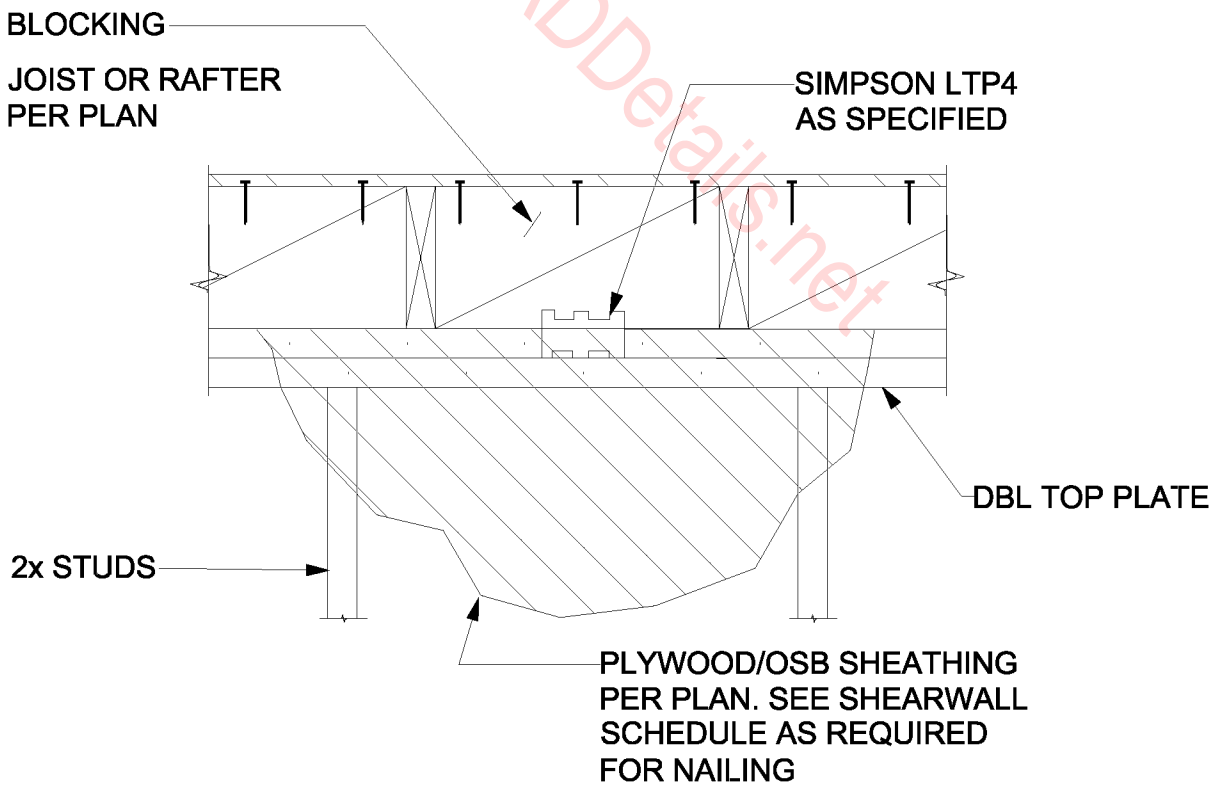


SHEAR TRANSFER DETAIL

ELEVATION



SECTION



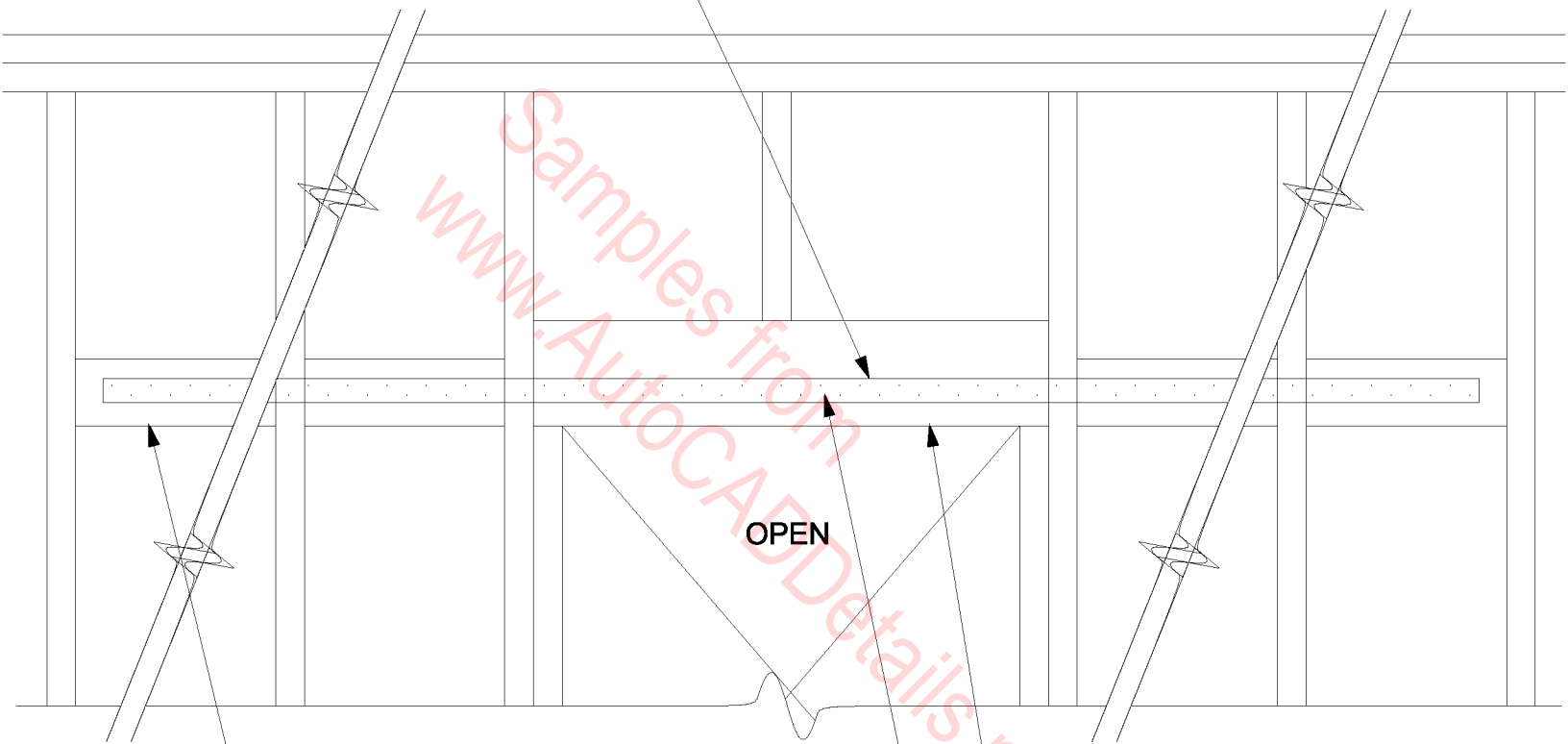
ELEVATION

LTP4 Shear Transfer Detail

CMST OR CS PER PLAN.
NOTE: STRAP MAY BE PLACED
OVER OR UNDER PLYWOOD
STRAP.

PER PLAN

PER PLAN



OPEN

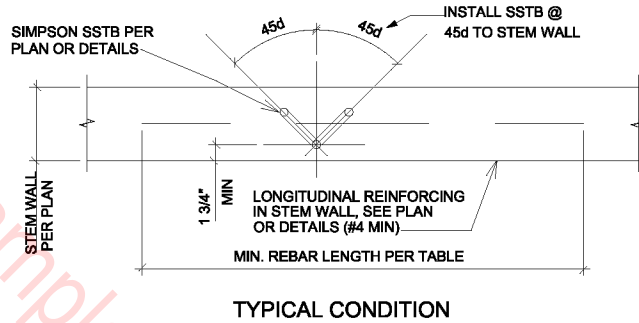
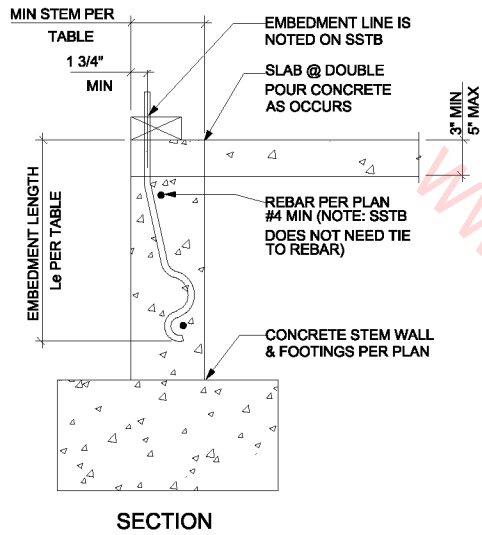
HEADER PER PLAN

PROVIDE FLAT BLOCKING
AT STRAP. PROVIDE EVENLY
SPACED NAILS ALONG END
LENGTH 'L'

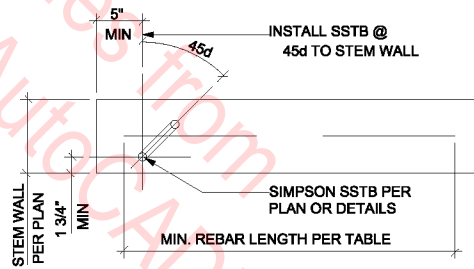
END 'L'

PROVIDE STRAP NAILING TO
HEADER AT SPACING EQUAL
TO SPACING PROVIDED AT
END OF STRAP.

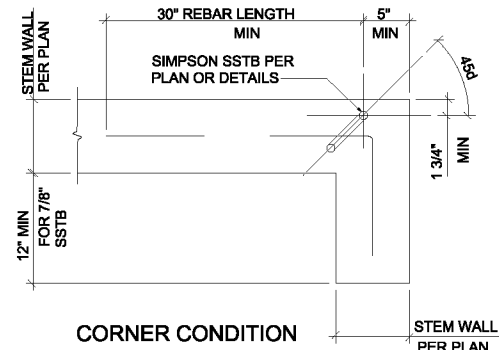
SHEARWALL CONTINUITY OVER OPENING



TYPICAL CONDITION



END CONDITION



CORNER CONDITION

SSTB ANCHOR INSTALLATION

SIMPSON MODEL NO.	DIA	MIN STEM	MIN EMBED L_e	MIN REBAR LENGTH		APPLICABLE SIMPSON HOLDOWN	
				TYP	END	SINGLE POUR	DOUBLE POUR
SSTB16	5/8	6"	12"	48"	36"	PHD2, HD2A	-
SSTB20	5/8	6"	16"	56"	44"	PHD5, HD5A	PHD2, HD2A
SSTB24	5/8	6"	20"	64"	52"	HTT22	PHD5, HD5A
SSTB28	7/8	8"	24"	72"	60"	PHD6, PHD8, HD6A, HD8A, HD10A	(1)
SSTB34	7/8	8"	28"	80"	68"	(1)	PHD6, PHD8, HD6A, HD8A, HD10A
SSTB36	7/8	8"	28"	80"	68"	(1)	

(1) SEE ADDITIONAL DETAILS AS APPLICABLE FOR ALTERNATE HOLDOWN REQUIREMENTS.

STUD OR POST
PER PLAN. PROVIDE
MIN 2-2x OR 4x
@ CMST STRAPS

SILL PLATE

SHEATHING

JOIST PER PLAN

SOLID BLK'G
AS REQUIRED

DBL TOP PLATE

PROVIDE EXTRA NAILS
AS REQ'D TO PREVENT
BUCKLING OF STRAP

SPREAD NAILS EVENLY
ALONG END LENGTH
OF STRAP

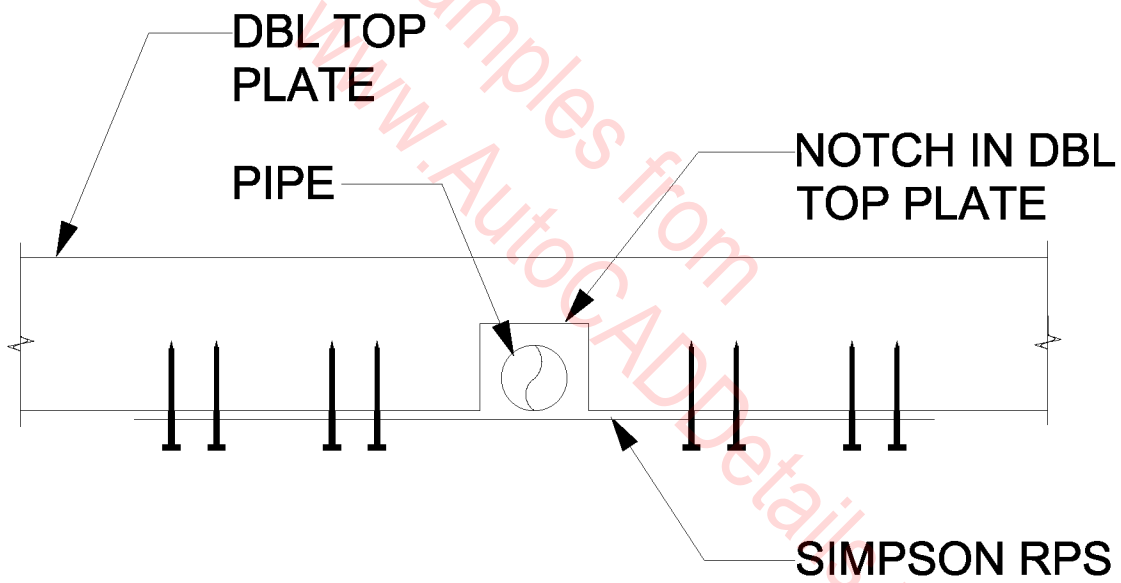
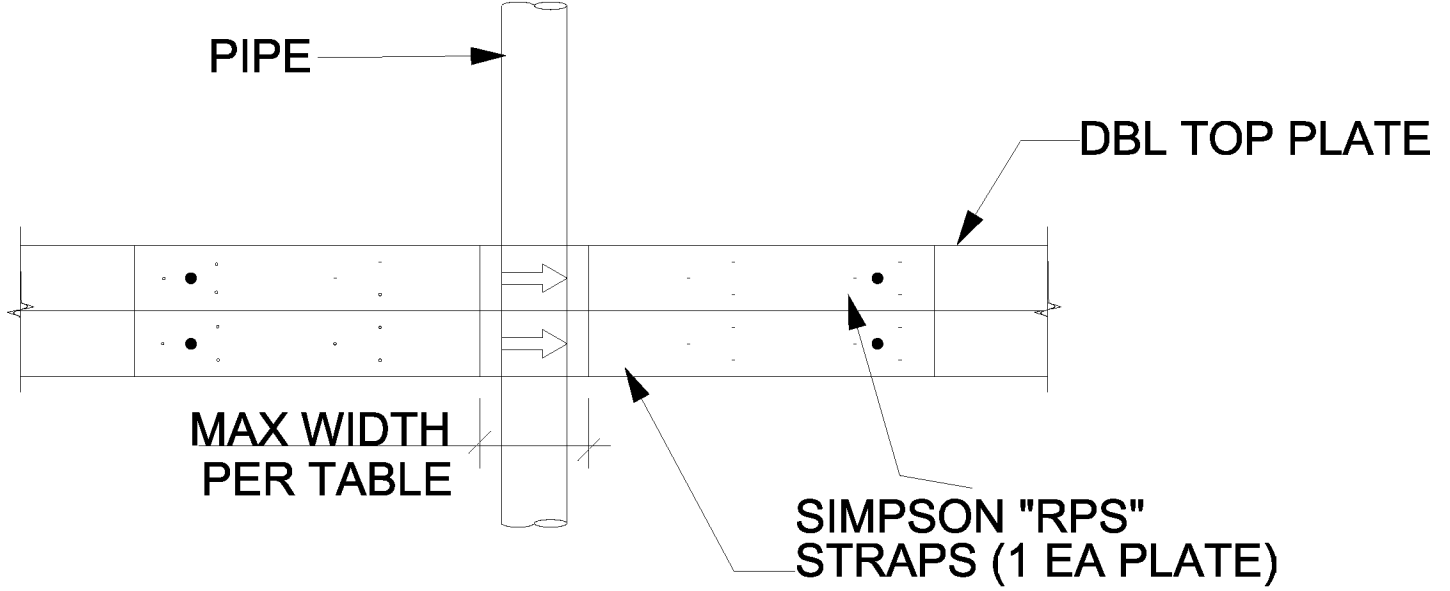
1" MIN CLR
TO FIRST NAIL

CS OR CMST
STRAP AS
SPECIFIED

END
LENGTH
CLEAR SPAN
END
LENGTH

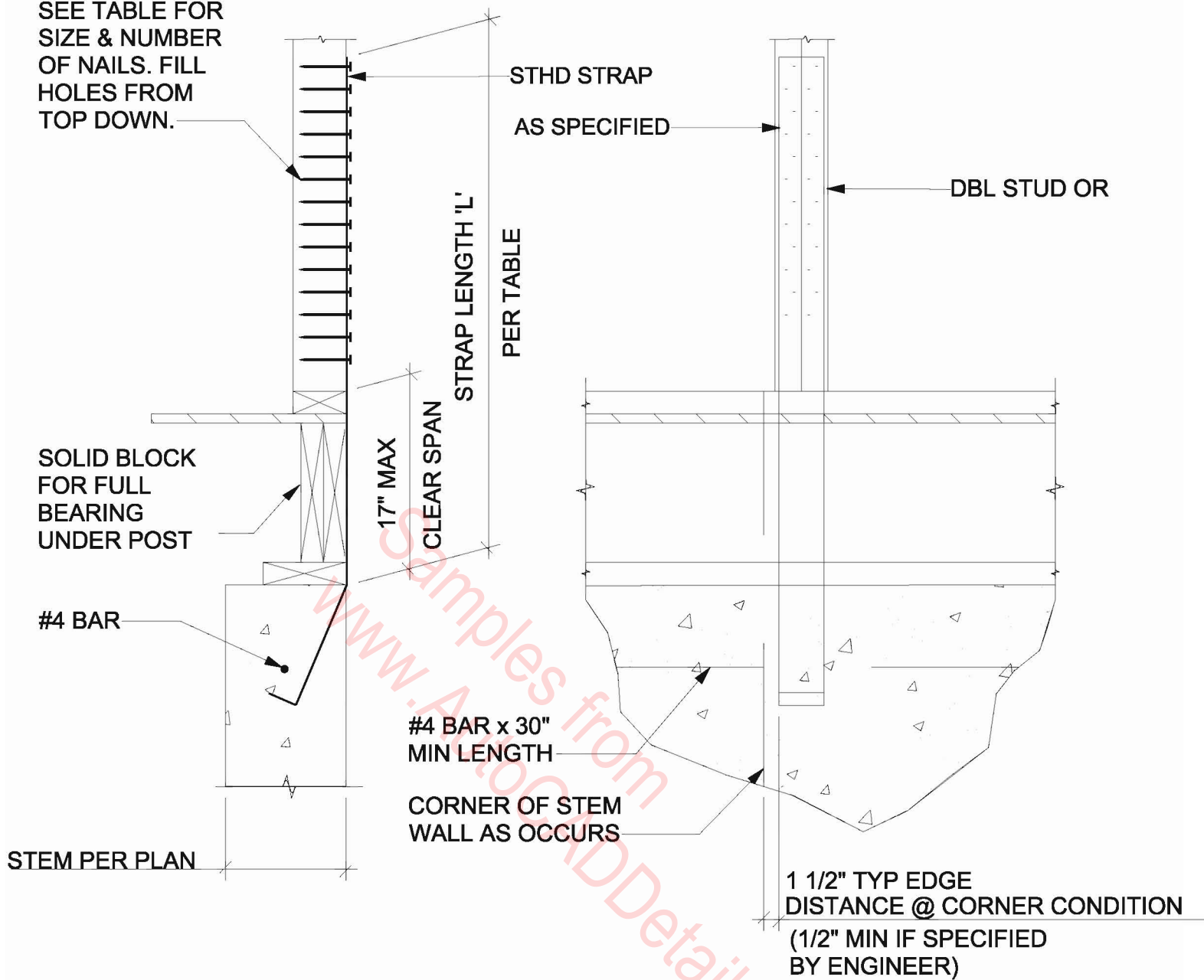
CS/CMST STRAP DETAIL

SIMPSON MODEL NO.	END L	FASTENERS (TOTAL)
CMST12	45"	100-16d
CMST14	34"	74-16d
CS16	14"	28-8d
CS16-R	11"	22-10d
CS18S	11"	22-8d
CS18	9"	18-10d
CS18-R		
CS20	9"	18-8d
CS20-R	7"	14-10d
CS22	7"	14-8d
CS22-R	5 1/2"	12-10d



RPS STRAP DETAIL

SIMPSON MODEL NO.	PLATE SIZE	MAX NOTCH WIDTH	NAILS
RPS18	2x4	5 1/2"	12-16d
RPS22	2x6	5 1/2"	16-10d
RPS28	2x4	12"	12-16d



STHD STRAP TIE HOLDDOWN STANDARD INSTALLATION

SIMPSON MODEL NO.	MIN STEM WALL	STRAP LENGTH (L)	NAILS
LSTHD8	6	21 5/8	24-16d SINKER
STHD8	6	21 5/8	24-16d SINKER
STHD10	6	23 1/8	28-16d SINKER
STHD14	6	31 5/8	38-16d SINKER
LSTHD8	8	21 5/8	24-16d SINKER
STHD8	8	21 5/8	24-16d SINKER
STHD10	8	23 1/8	28-16d SINKER
STHD14	8	31 5/8	38-16d SINKER

SEE TABLE FOR
SIZE & NUMBER
OF NAILS.

PLYWOOD
SHEATHING
AS REQUIRED

SOLID BLOCK
FOR FULL
BEARING
UNDER POST

#4 BAR

STEM PER PLAN

STHD STRAP
AS SPECIFIED
STRAP MAY BE
PLACED OVER
SHEATHING

DBL STUD OR
POST PER PLAN

STRAP LENGTH 'L'
PER TABLE

17" MAX
CLEAR SPAN

#4 BAR x 30"
MIN LENGTH

CORNER OF STEM
WALL AS OCCURS

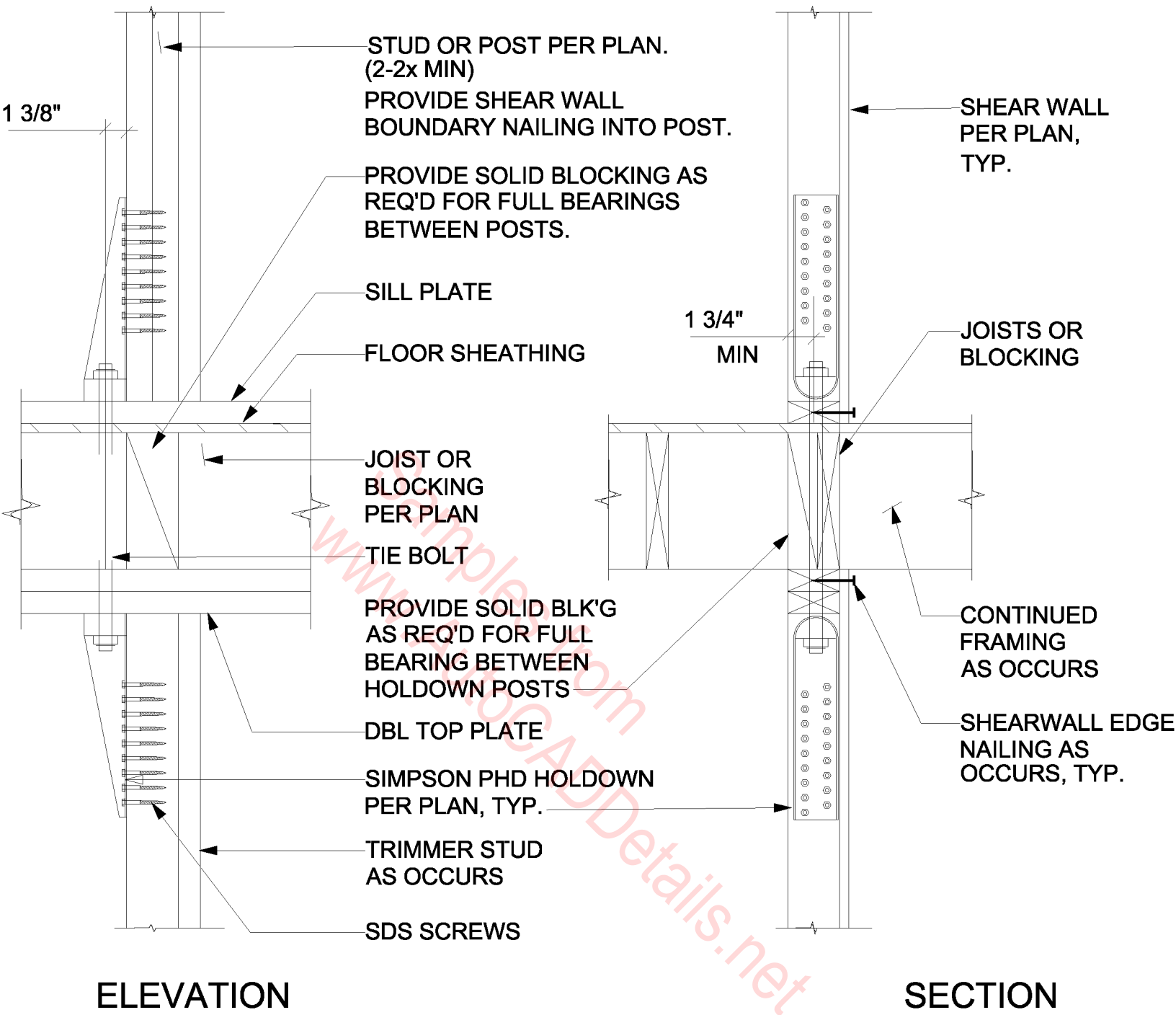
1 1/2" TYP EDGE
DISTANCE @ CORNER CONDITION

(1/2" MIN IF SPECIFIED
BY ENGINEER)

STHD STRAP TIE HOLDOWN RIM JOIST INSTALLATION

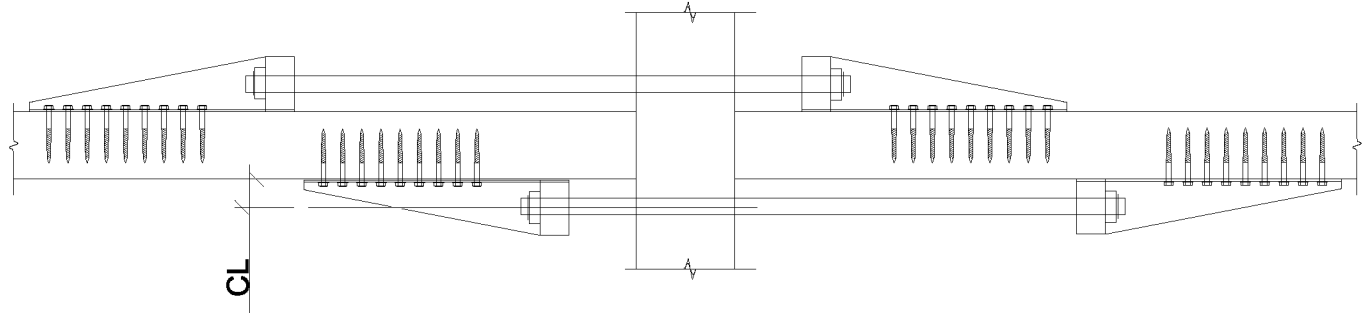
SIMPSON MODEL NO.	MIN STEM WALL	STRAP LENGTH (L)	NAILS
LSTHD8RJ	6	35 1/8	24-16d SINKER
STHD8RJ	6	35 1/8	24-16d SINKER
STHD10RJ	6	36 5/8	28-16d SINKER
STHD14RJ	6	39 5/8	38-16d SINKER
LSTHD8RJ	8	35 1/8	24-16d SINKER
STHD8RJ	8	35 1/8	24-16d SINKER
STHD10RJ	8	36 5/8	28-16d SINKER
STHD14RJ	8	39 5/8	38-16d SINKER

10d COMMONS OF 12d COMMONS MAY BE USED IN
LIEU OF 16d SINKERS



PHD TIE BETWEEN FLOORS

SIMPSON MODEL NO.	FASTENERS	
	TIE BOLT DIA	NO. OF SDS1/4X3 WOOD SCREWS
PHD2	5/8	10
PHD5	5/8	14
PHD6	7/8	18
PHD8	7/8	24



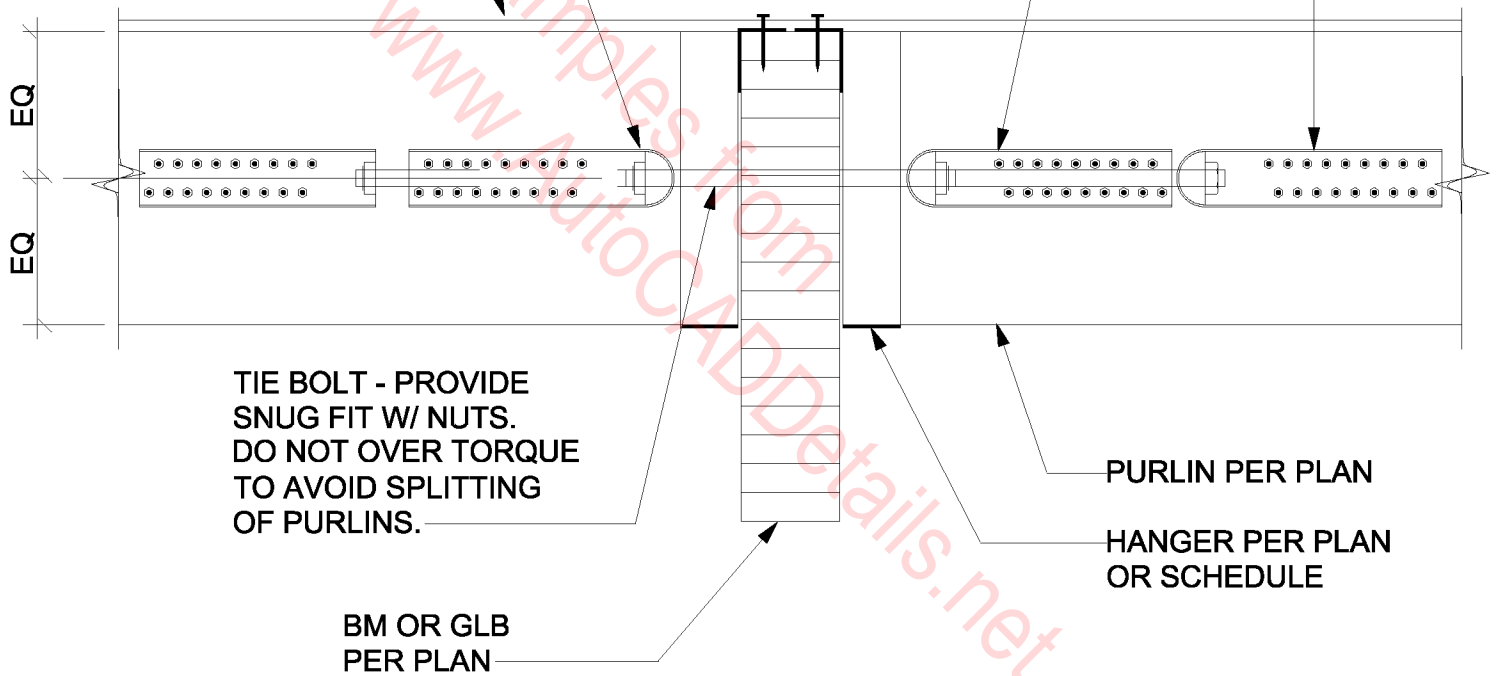
PLAN

HOLD BACK AS REQ'D
TO AVOID PURLIN
HANGERS

SIMPSON PHD PER
PLAN W/ SDS SCREWS
PER TABLE

SHEATHING
PER PLAN

FOR INSTALLATION OF
EACH SIDE OF PURLIN,
STAGGER PLACEMENT TO
AVOID INTERFERENCE OF
SCREWS



TIE BOLT - PROVIDE
SNUG FIT W/ NUTS.
DO NOT OVER TORQUE
TO AVOID SPLITTING
OF PURLINS.

PURLIN PER PLAN

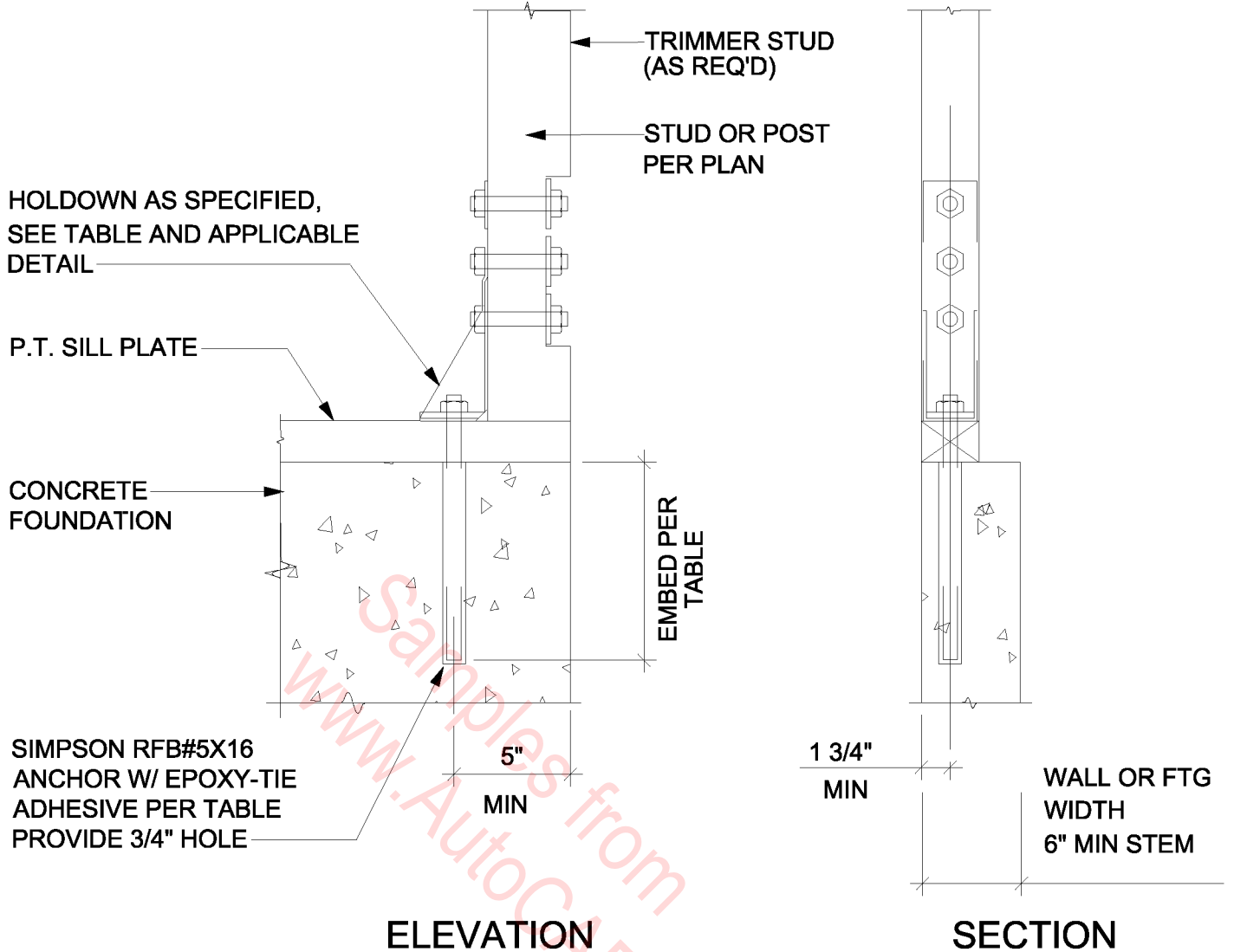
HANGER PER PLAN
OR SCHEDULE

BM OR GLB
PER PLAN

ELEVATION

PHD Tie Between Purlins

SIMPSON MODEL NO.	FASTENERS	
	TIE BOLT DIA	NO. OF SDS1/4X3 WOOD SCREWS
PHD2	5/8	10
PHD5	5/8	14
PHD6	7/8	18
PHD8	7/8	24



Epoxy--Tie Holddown Anchor

SIMPSON HOLDOWN	REQUIRED EPOXY-TIE ADHESIVE FOR FULL 'HD' CAPACITY	ANCHOR	MINIMUM EMBEDMENT
HD2A HD5A PHD2	SET	RFB #5x16	10"
PHD5 HTT16 HTT22	SET	RFB #5x16	10"
HD6A HD8A HD10A PHD6 PHD8	SET	7/8" THRU-BOLT	15"