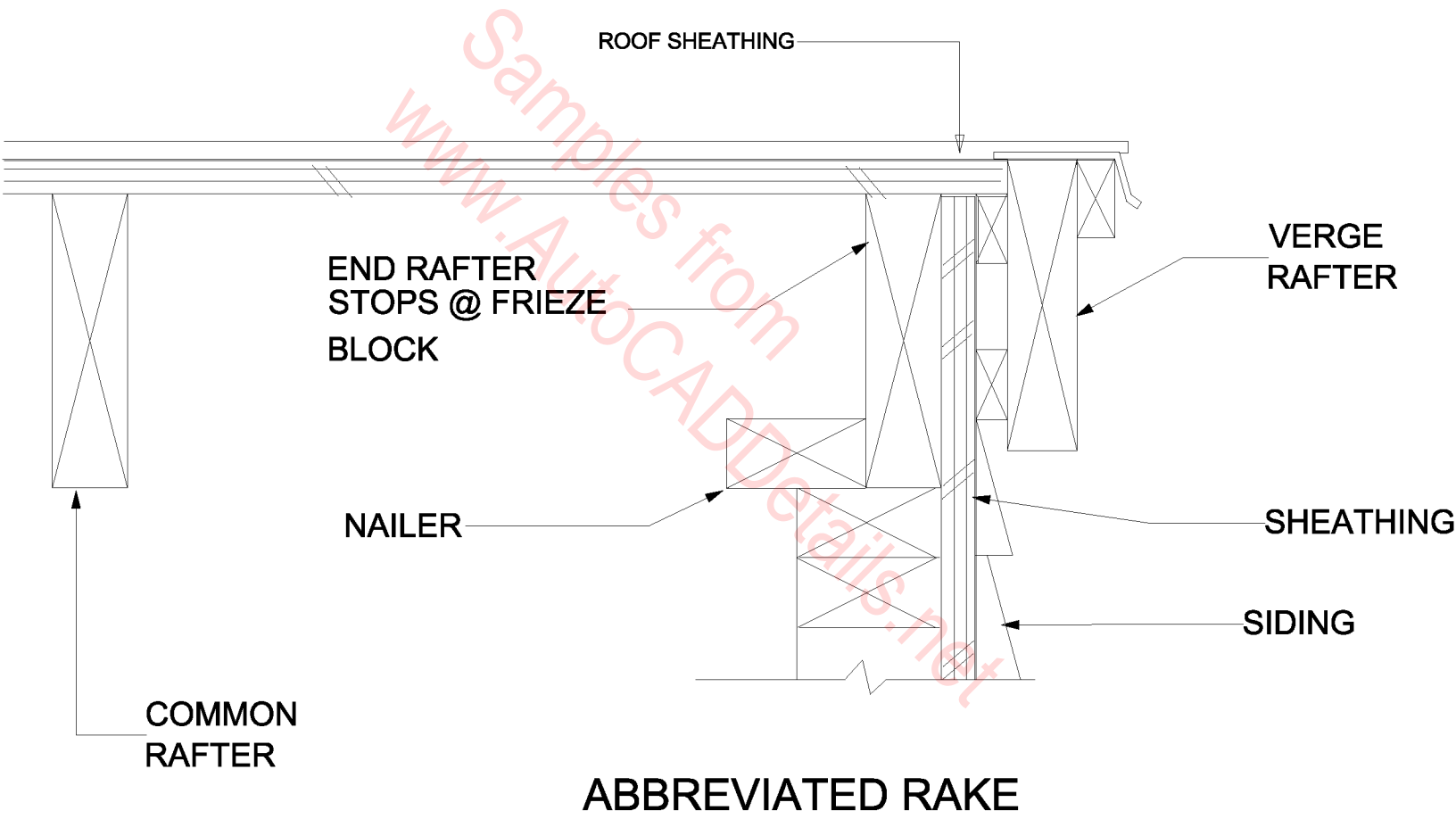


# ROOFING



3" LARGER THAN OPENING

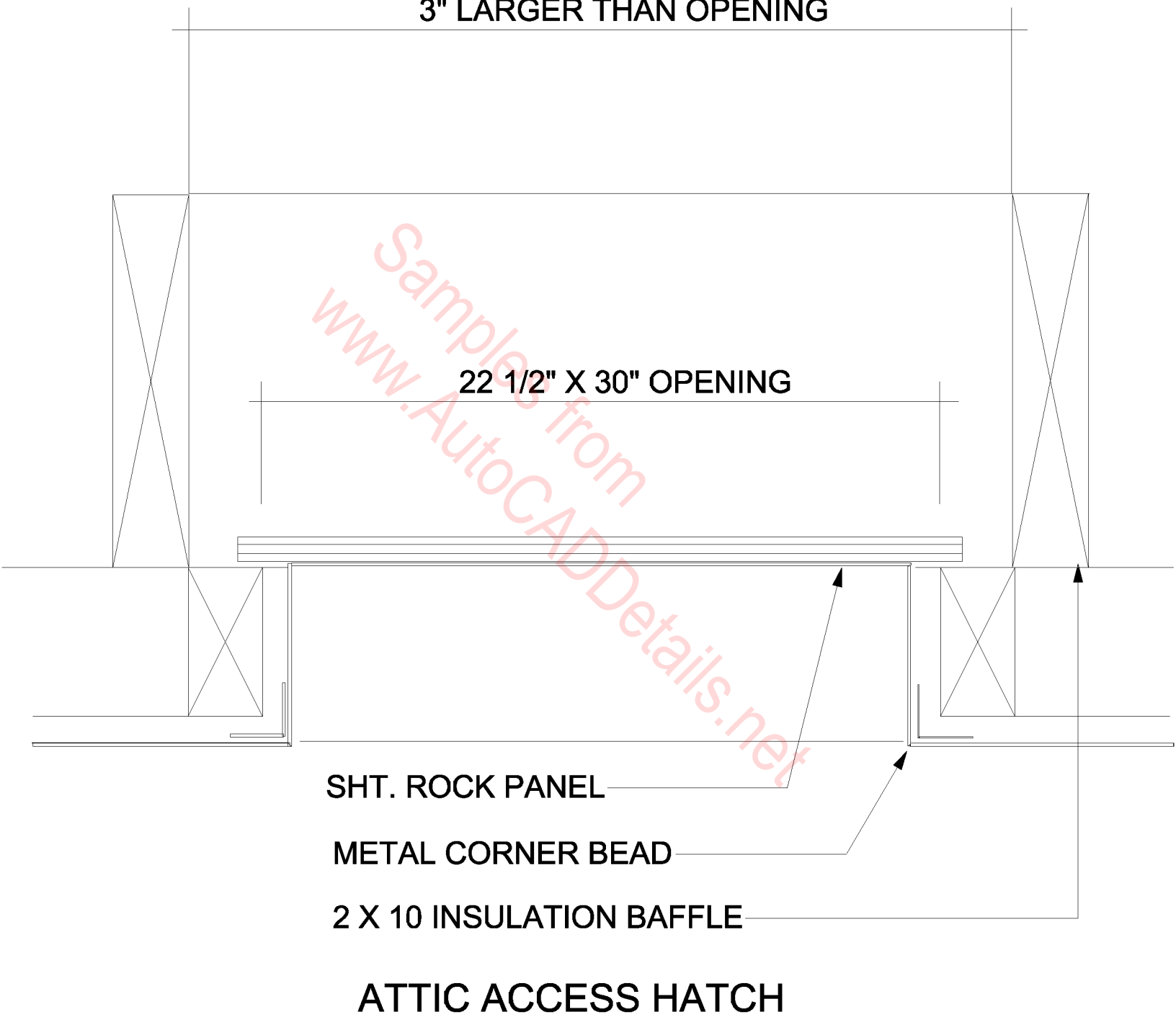
22 1/2" X 30" OPENING

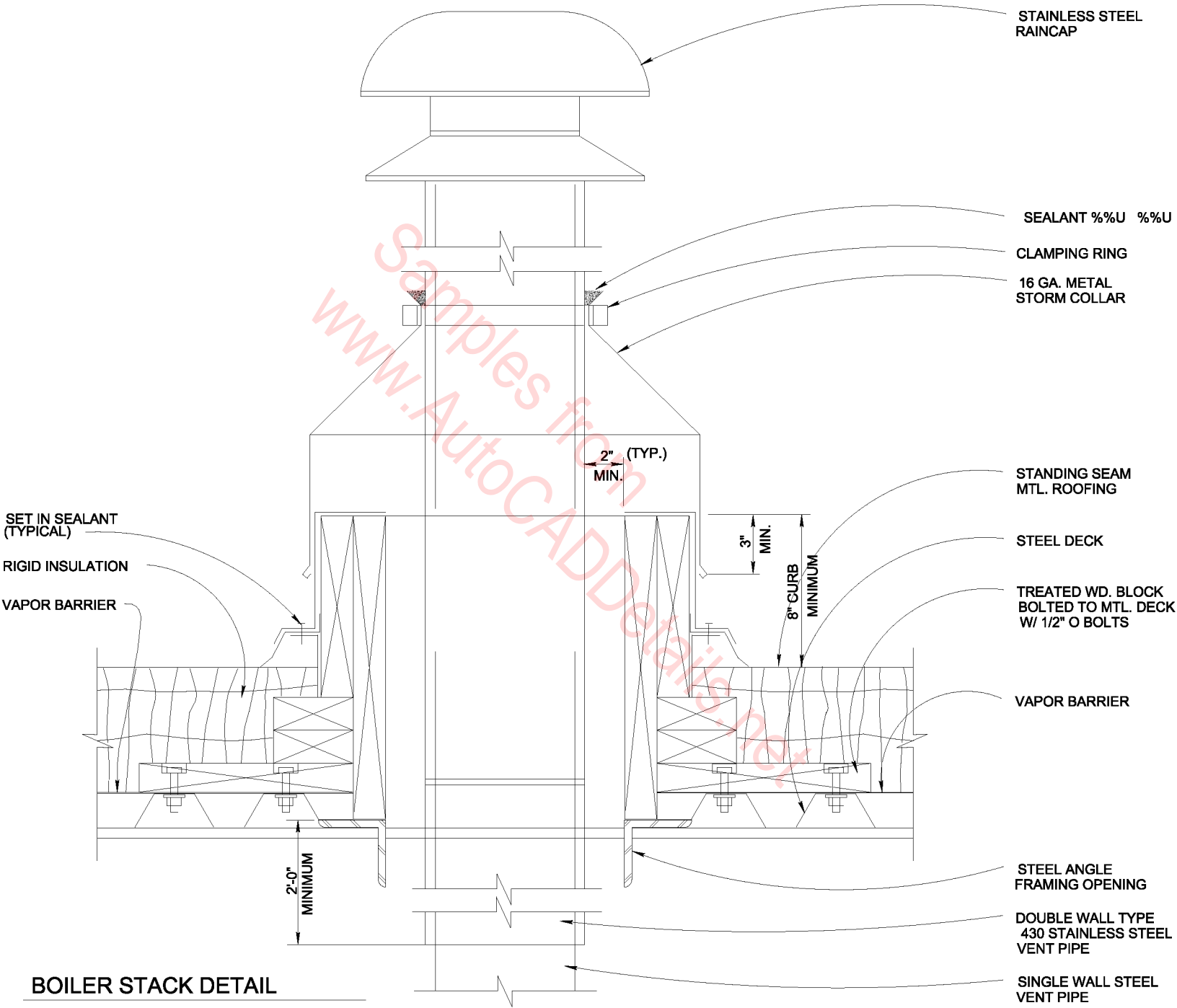
SHT. ROCK PANEL

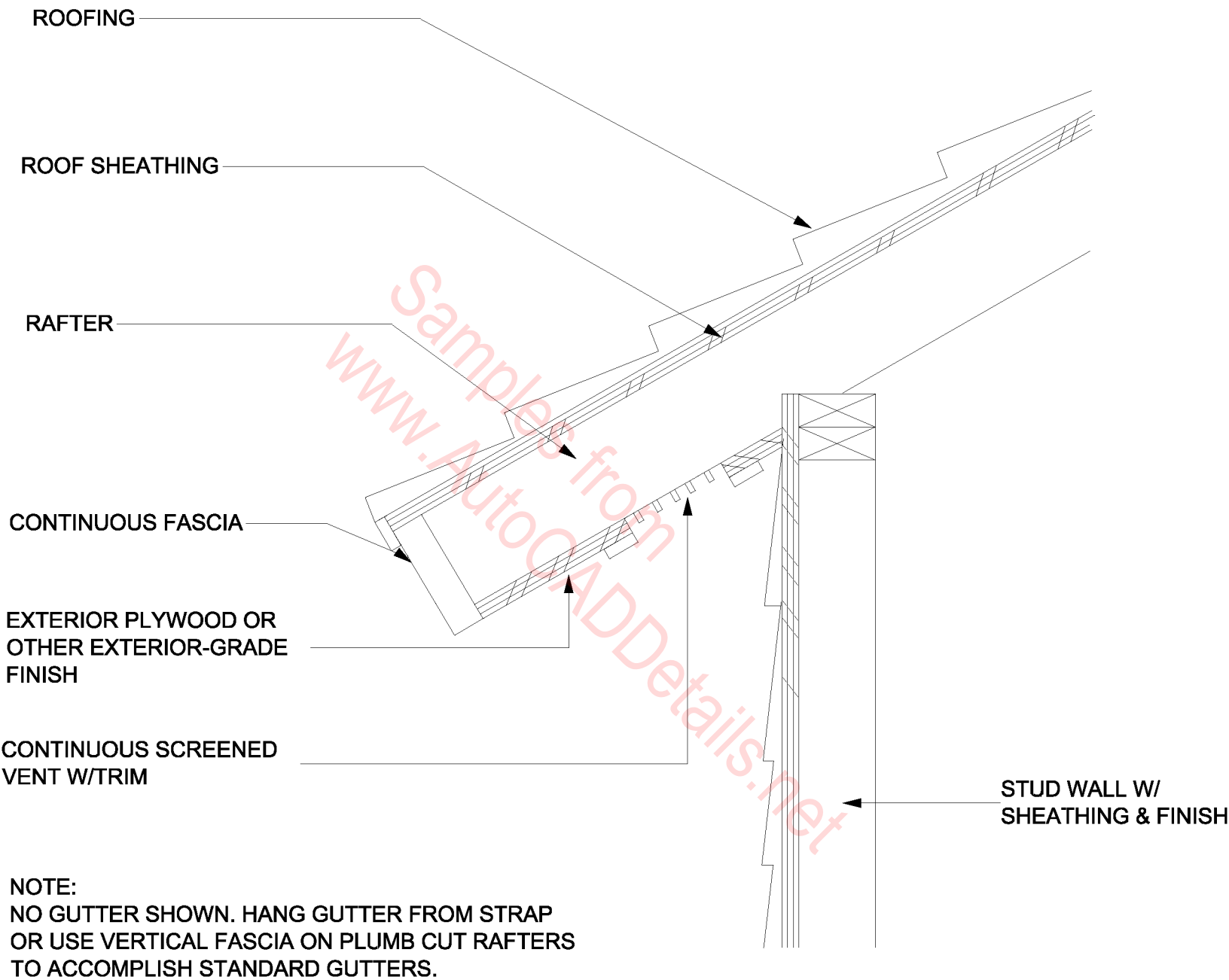
METAL CORNER BEAD

2 X 10 INSULATION BAFFLE

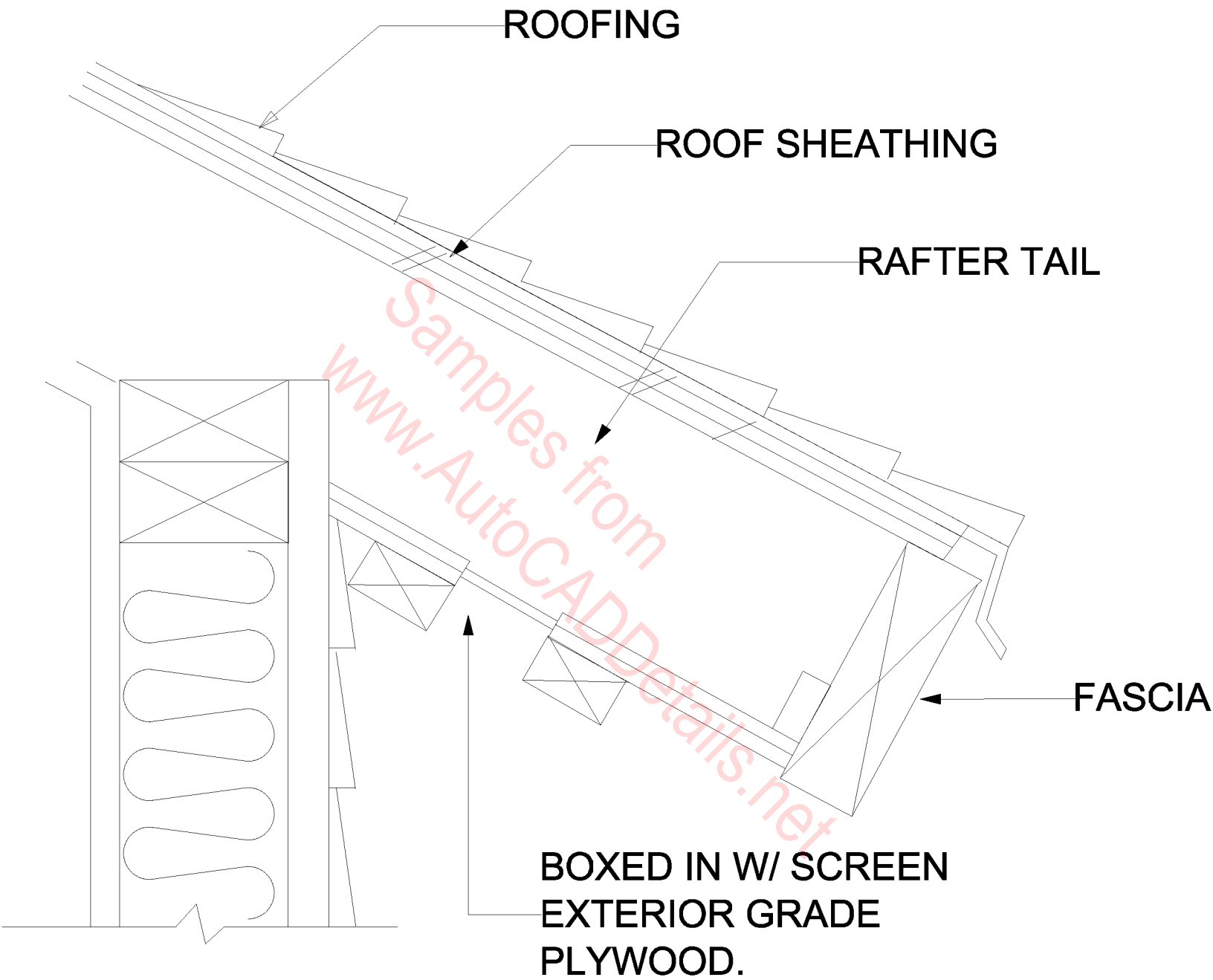
ATTIC ACCESS HATCH



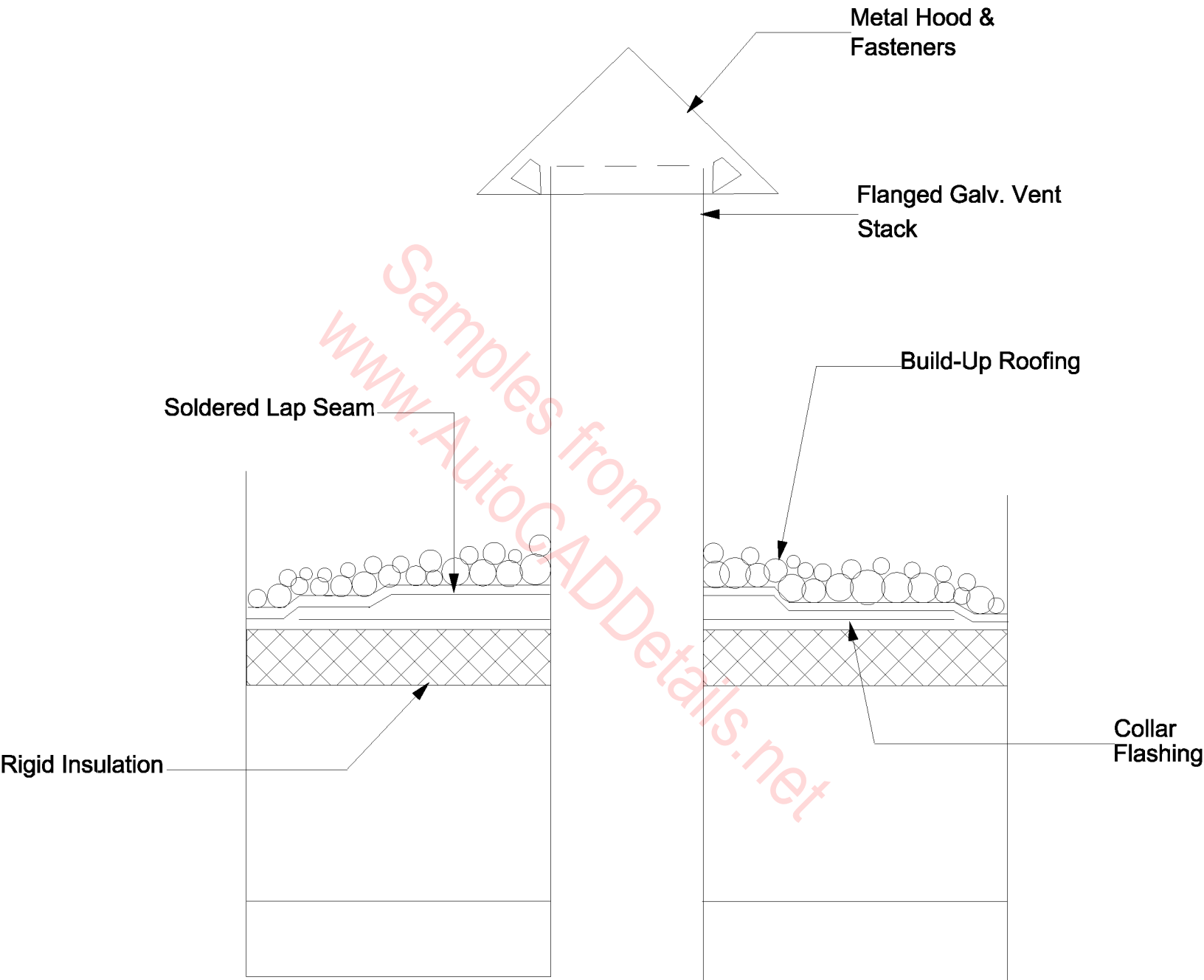




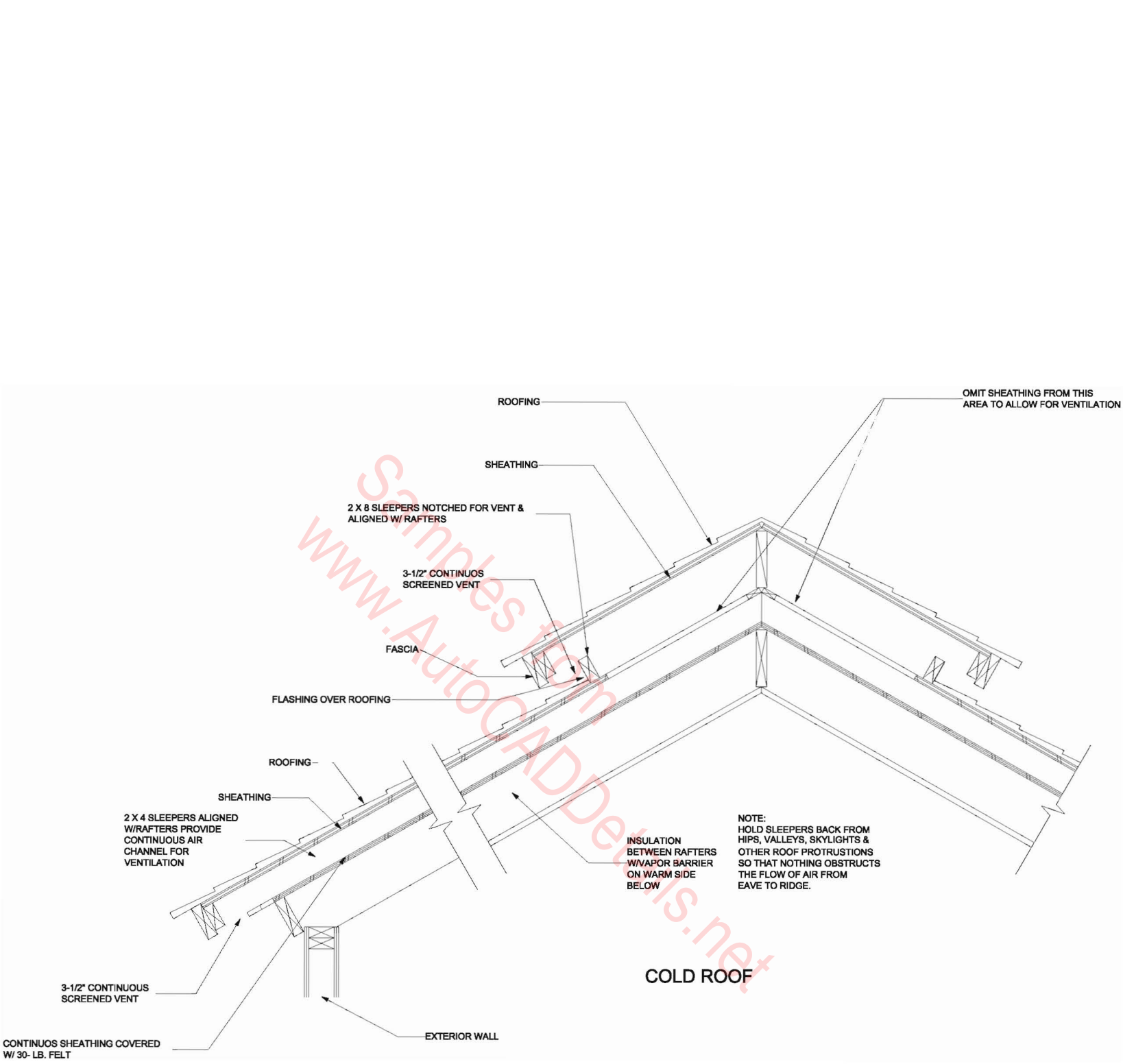
## BOXED-IN EAVE



**BOXED IN SOFFIT**



**BREATHER VENT**



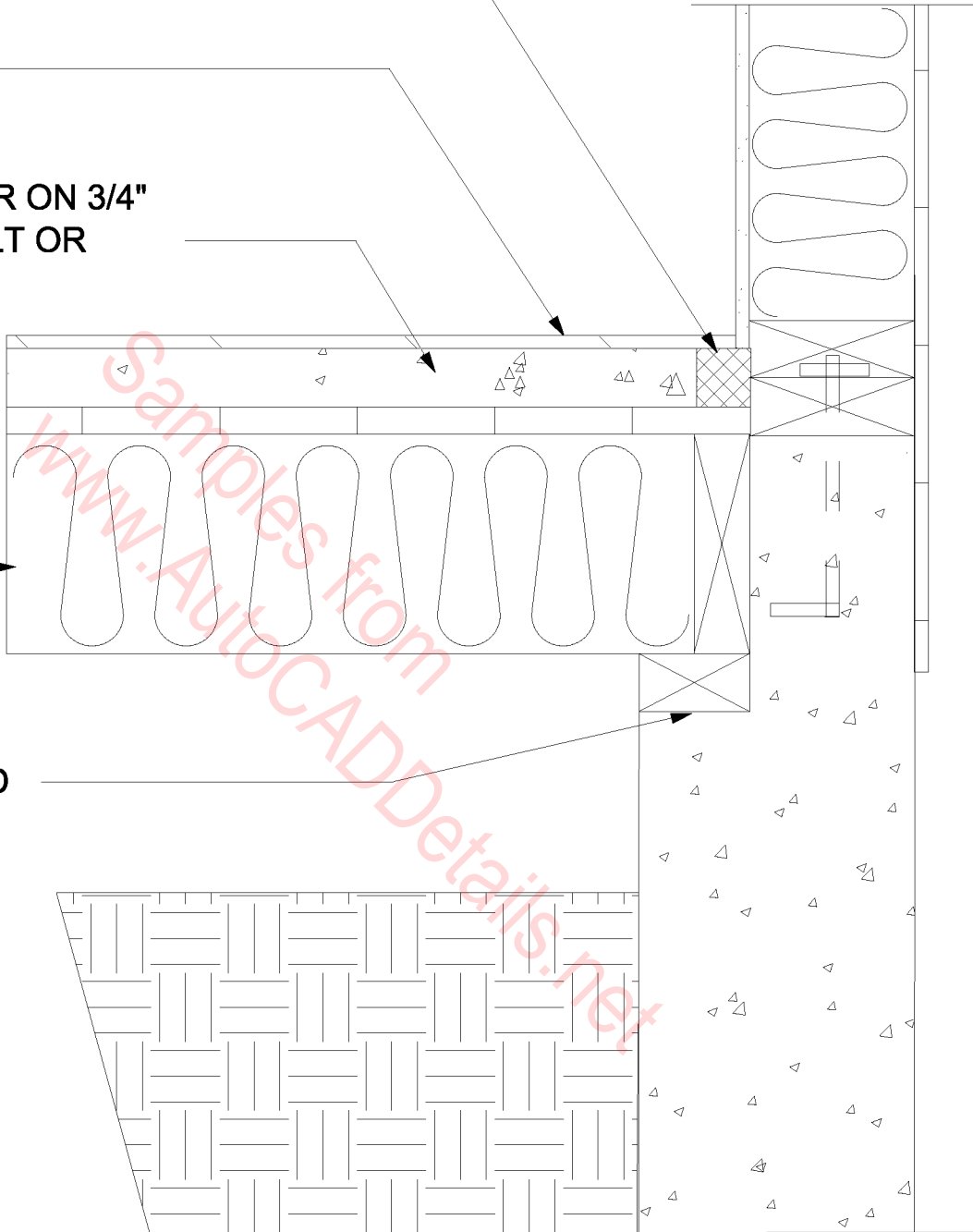
INSULATION

FLOORING

CONCRETE SUBFLOOR ON 3/4"  
BASE OVER 30 LB. FELT OR  
VAPOR BARRIER

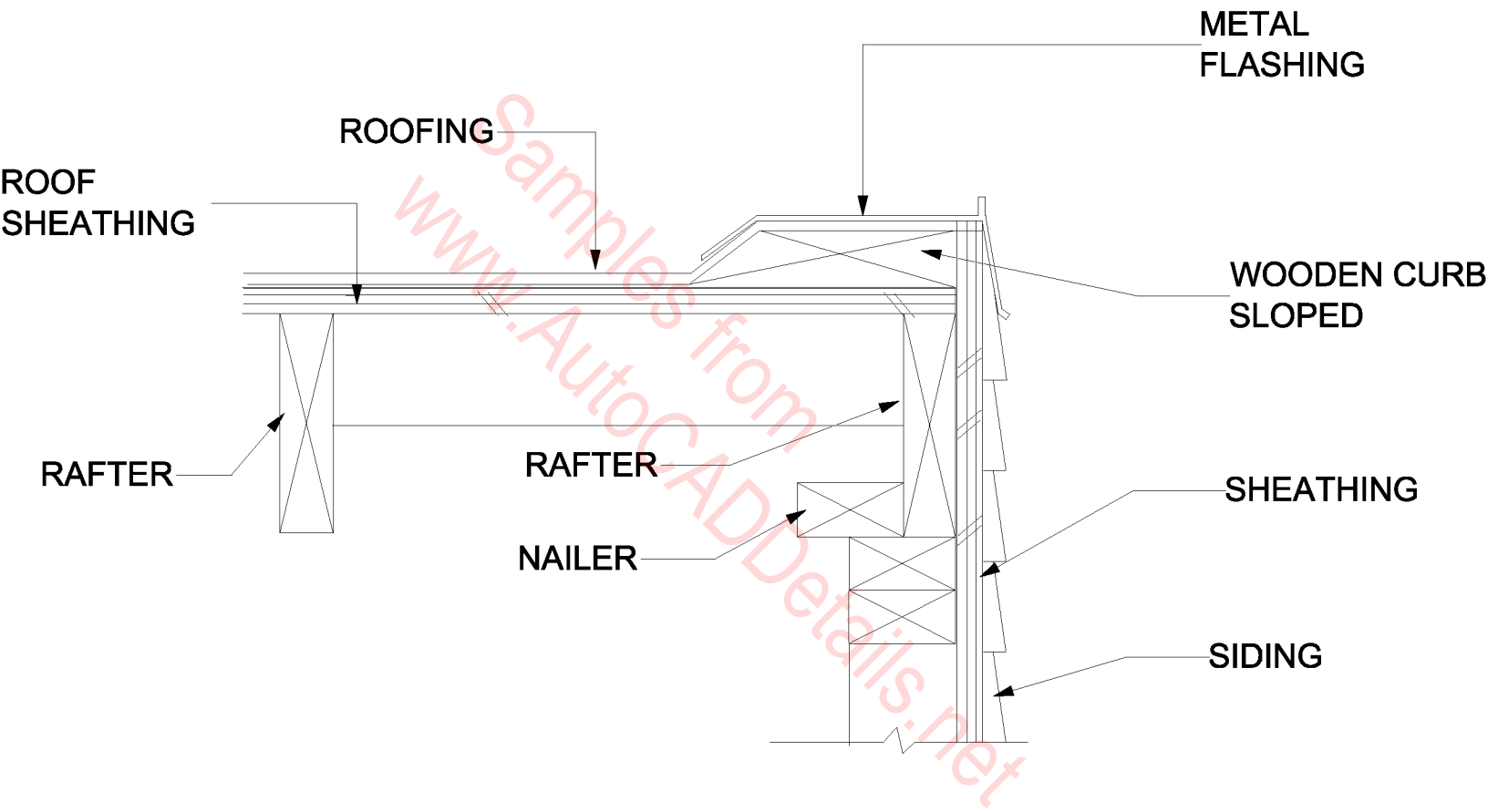
JOISTS BEAR ON  
STEPPED STEM  
WALL W/ P.T. SILL.

MOISTURE BARRIER  
BETWEEN JOIST AND  
CONCRETE

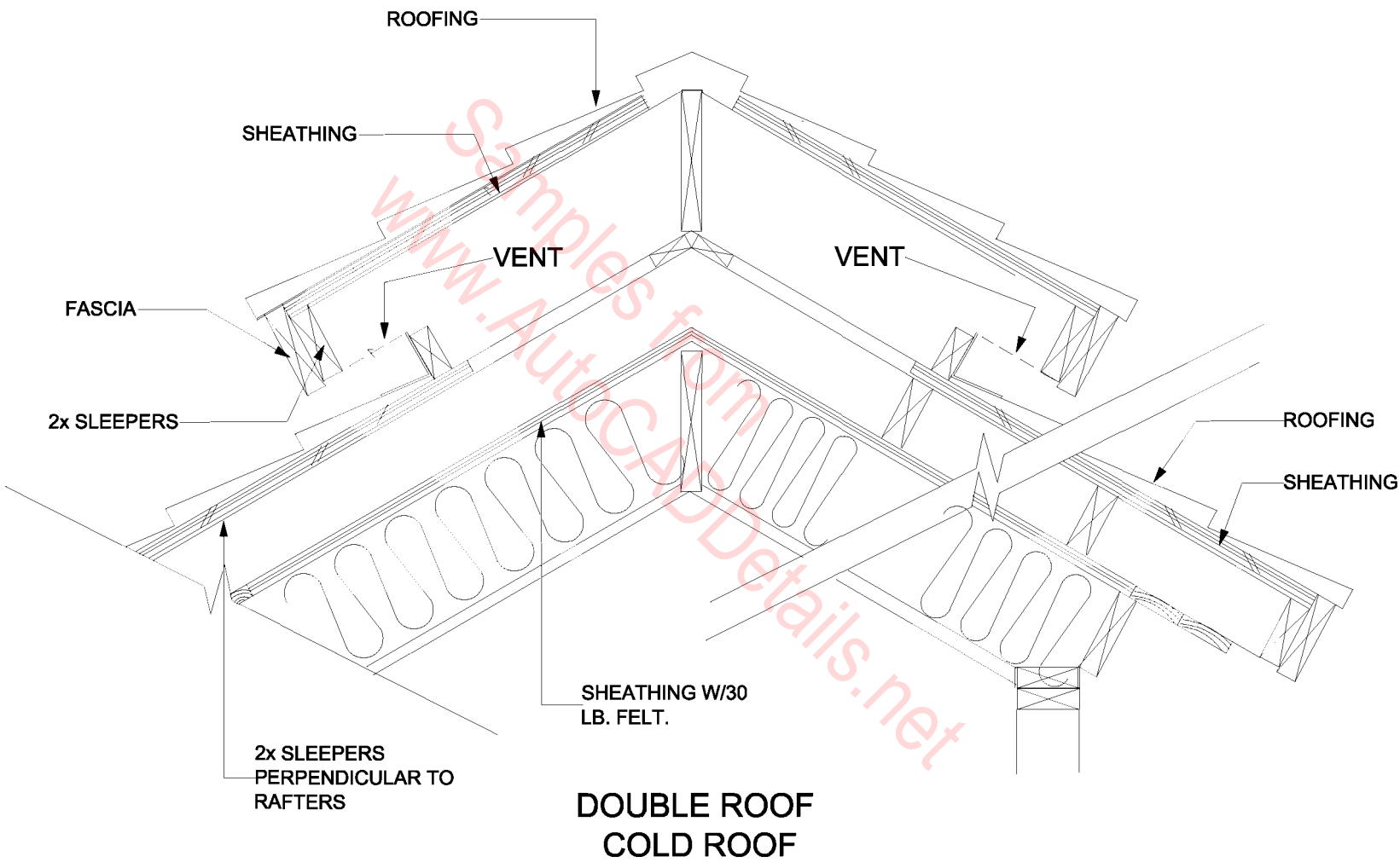


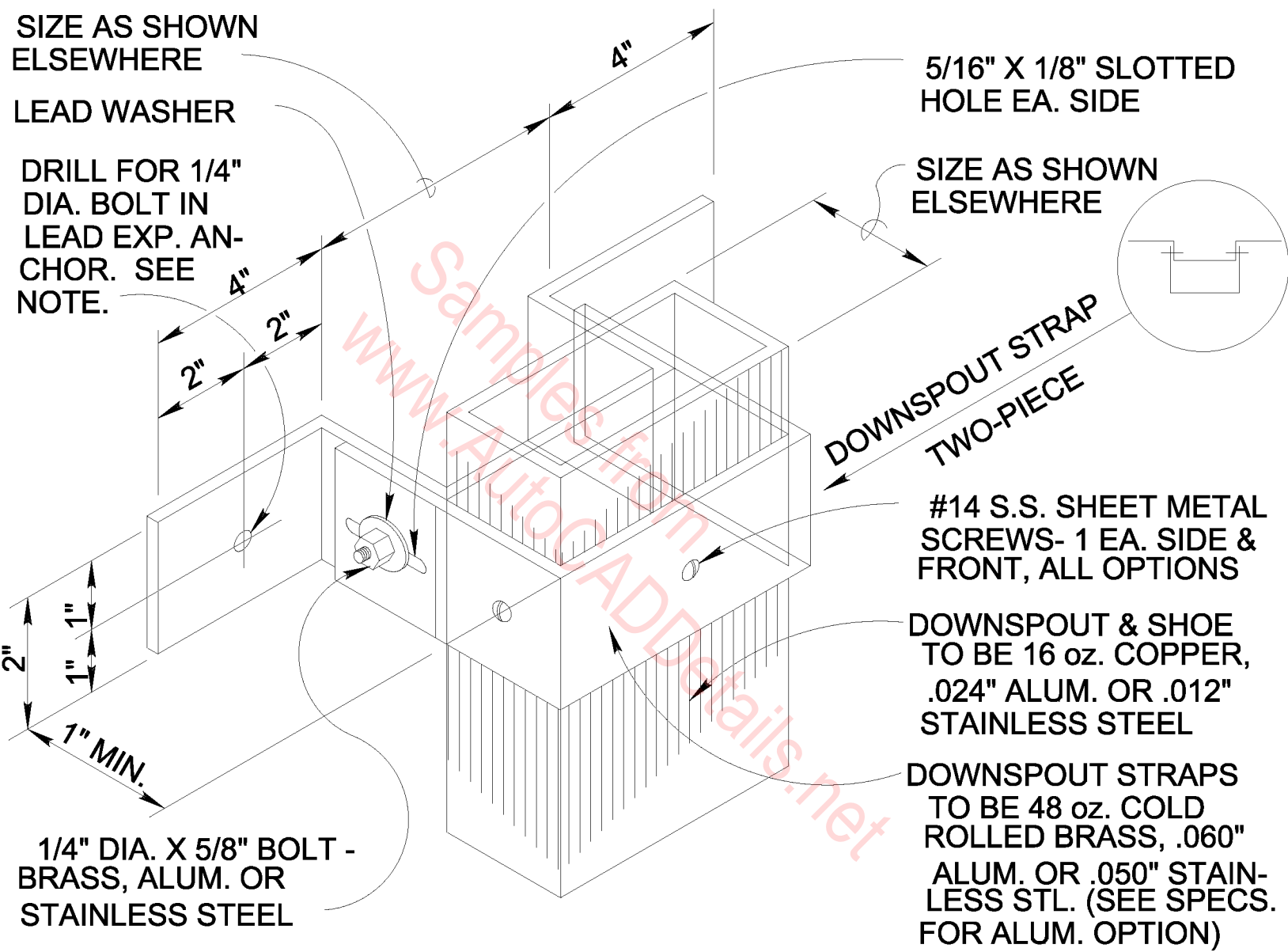
CONCRETE SUBFLOOR  
FULL DEPTH JOISTS





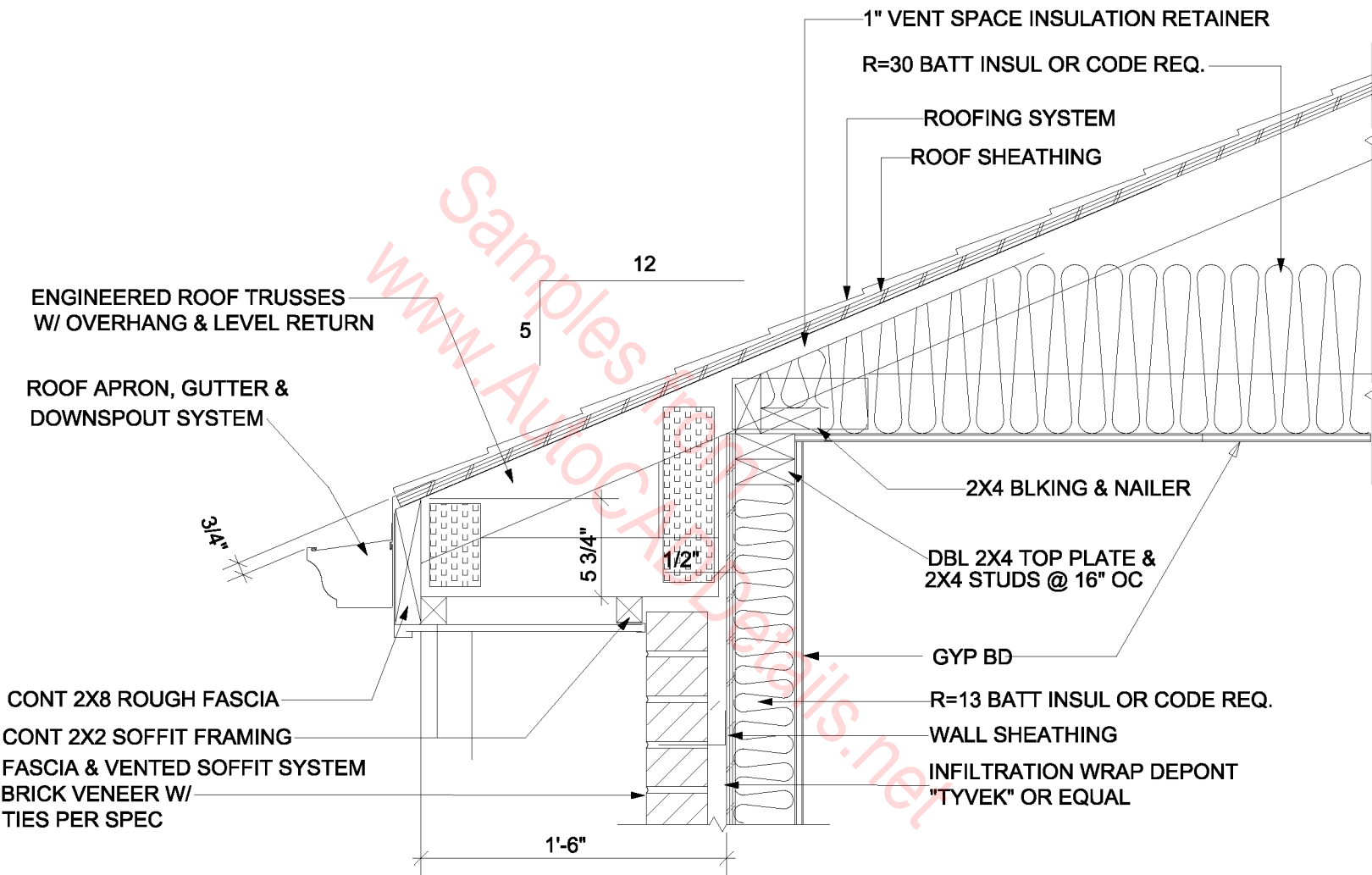
**CURBED ROOF EDGE**



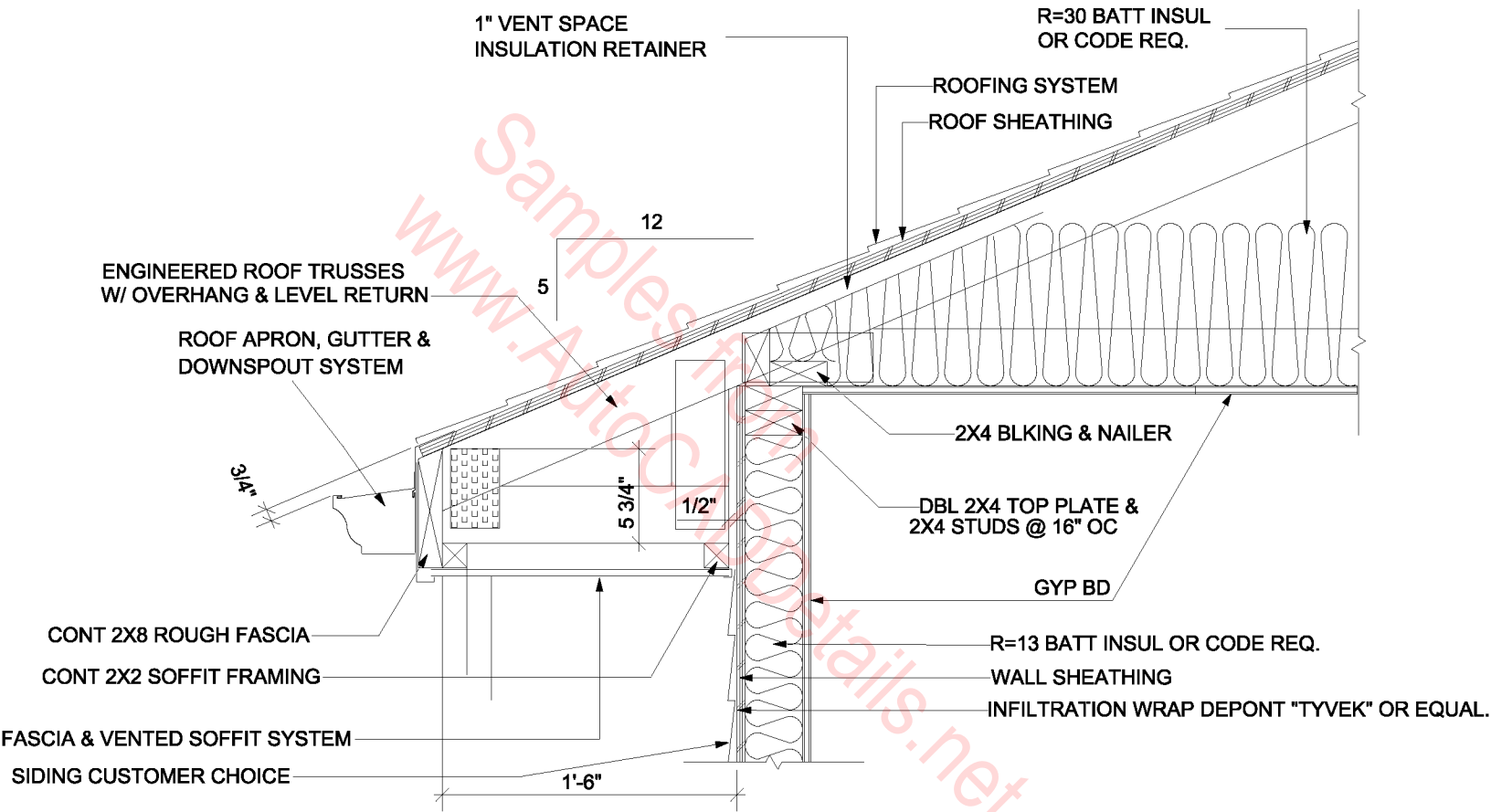


NOTE: THIS DETAIL FOR CMU INSTALLATION ONLY. FOLLOW MFR'S. DETAIL FOR ATTACHMENT TO METAL PANEL SIDING OR FASCIA.

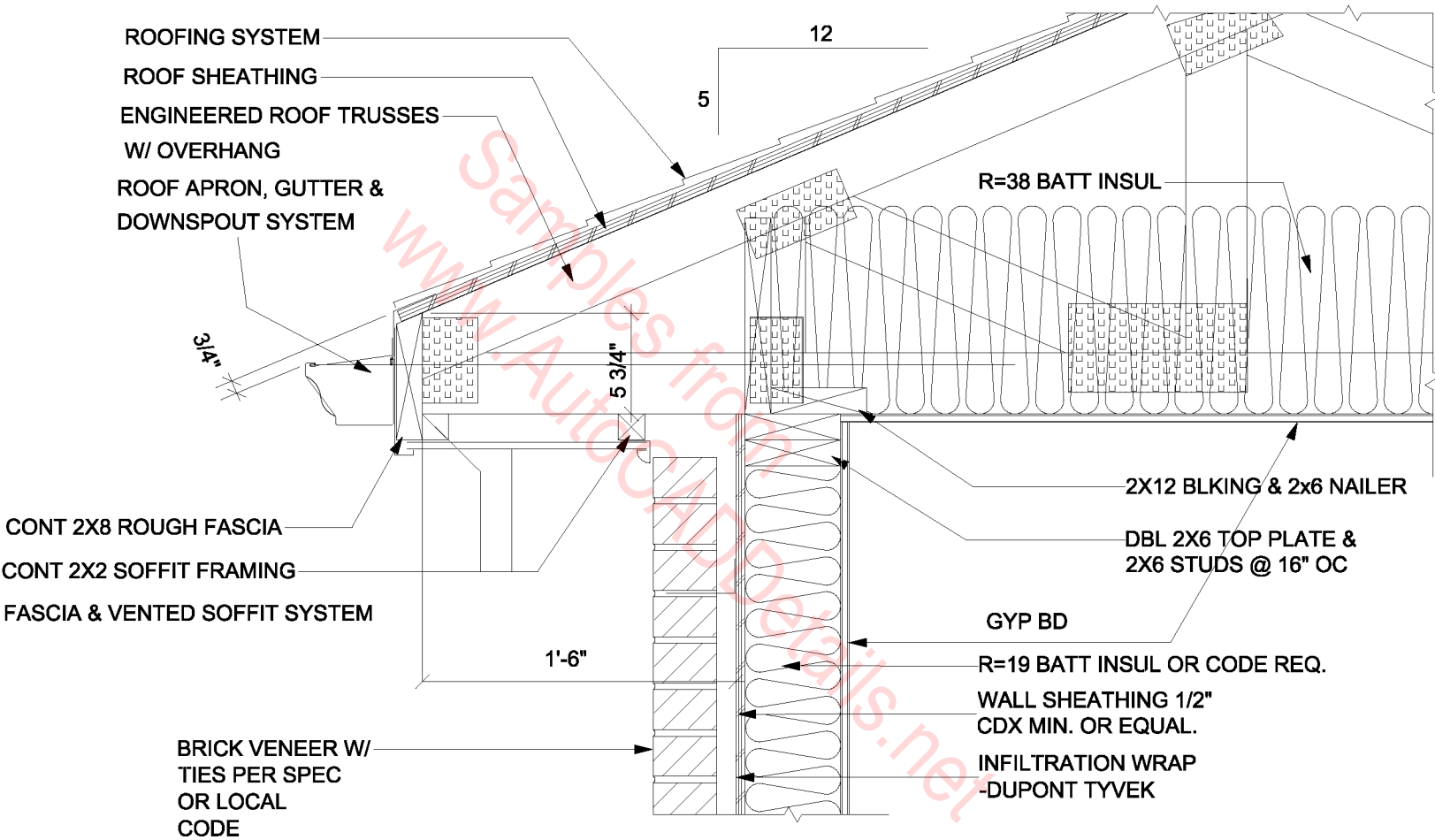
## DOWNSPOUT STRAP DETAIL



**EAVE:**  
**2X4-BRICK VENEER-TRUSS-VENTED SOFFIT**

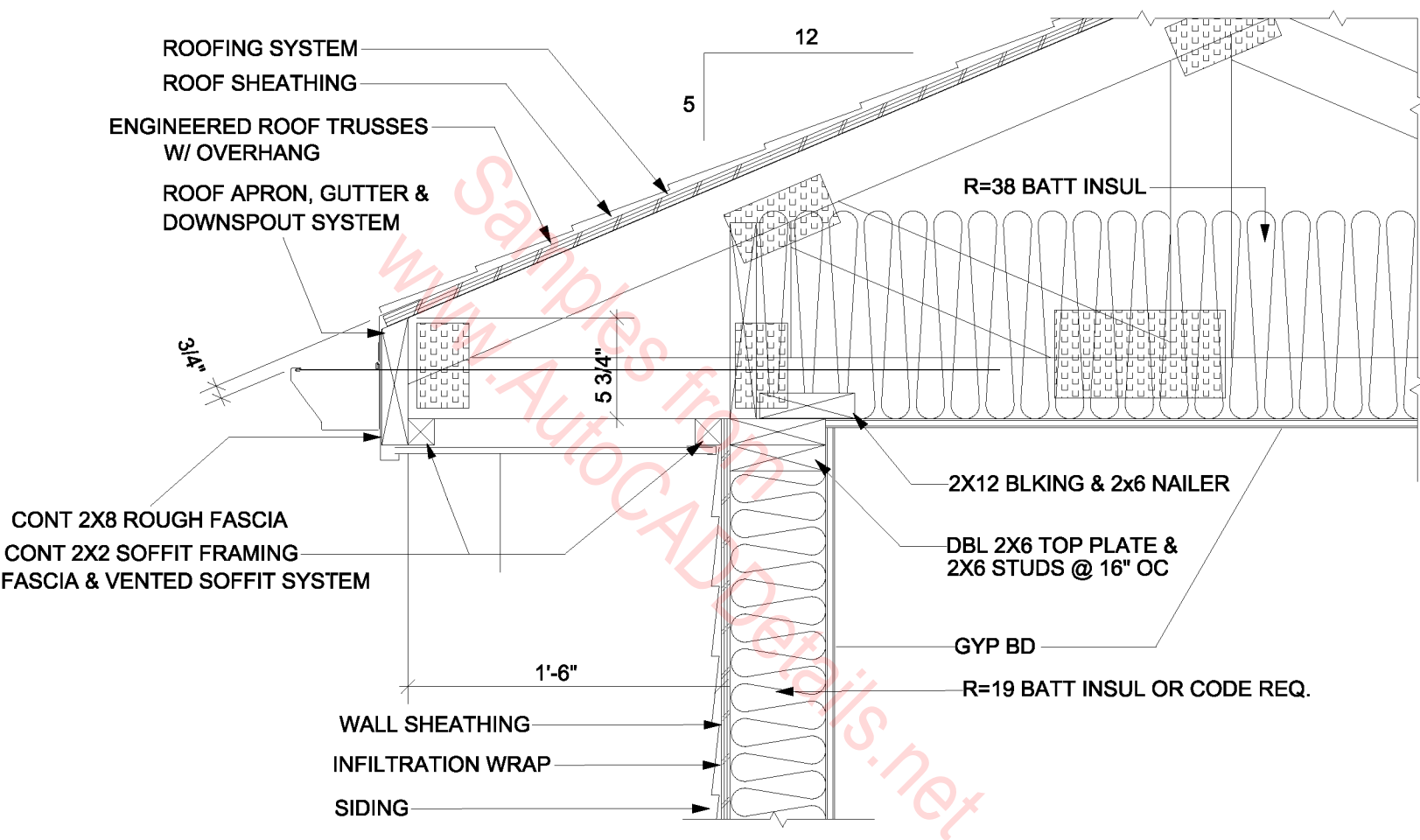


**EAVE:**  
**2X4-SIDING-TRUSS-VENTED SOFFIT**



**EAVE: (HI R)**

**2X6-BRICK-TRUSS-VENTED SOFFIT**



**EAVE:  
2X6-SIDING-TRUSS-VENTED SOFFIT**

3-Tab Shingles

15# Felt each course on 5.8" Shtg 3" Foilback insulation.

15# Felt ea. course on 2X6 T&G Decking on 4X10 Beams

Insul. Baffle @ Eave Vents

Simpson H2.5 Clips

2 X Solid Blkg. W/ 2 X 12 Screened Vents @ 6'-0" O.C.

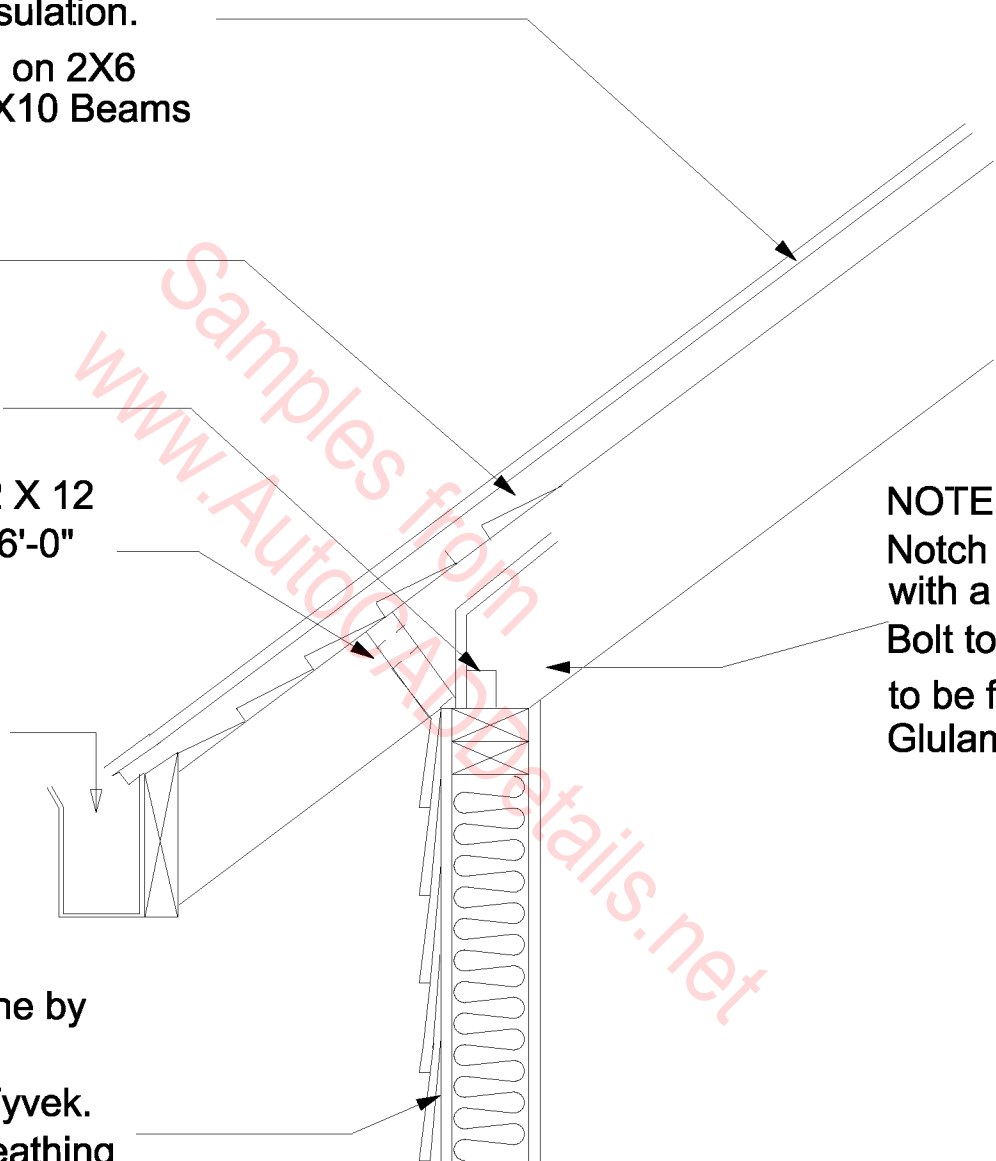
G.I. Gutter on 2 X 8 Fascia

Siding to be determine by owner/contractor.

15# Bldg. Paper or Tyvek.  
1" CDX Plywood Sheathing

2 X 6 Studs @ 16" O.C.

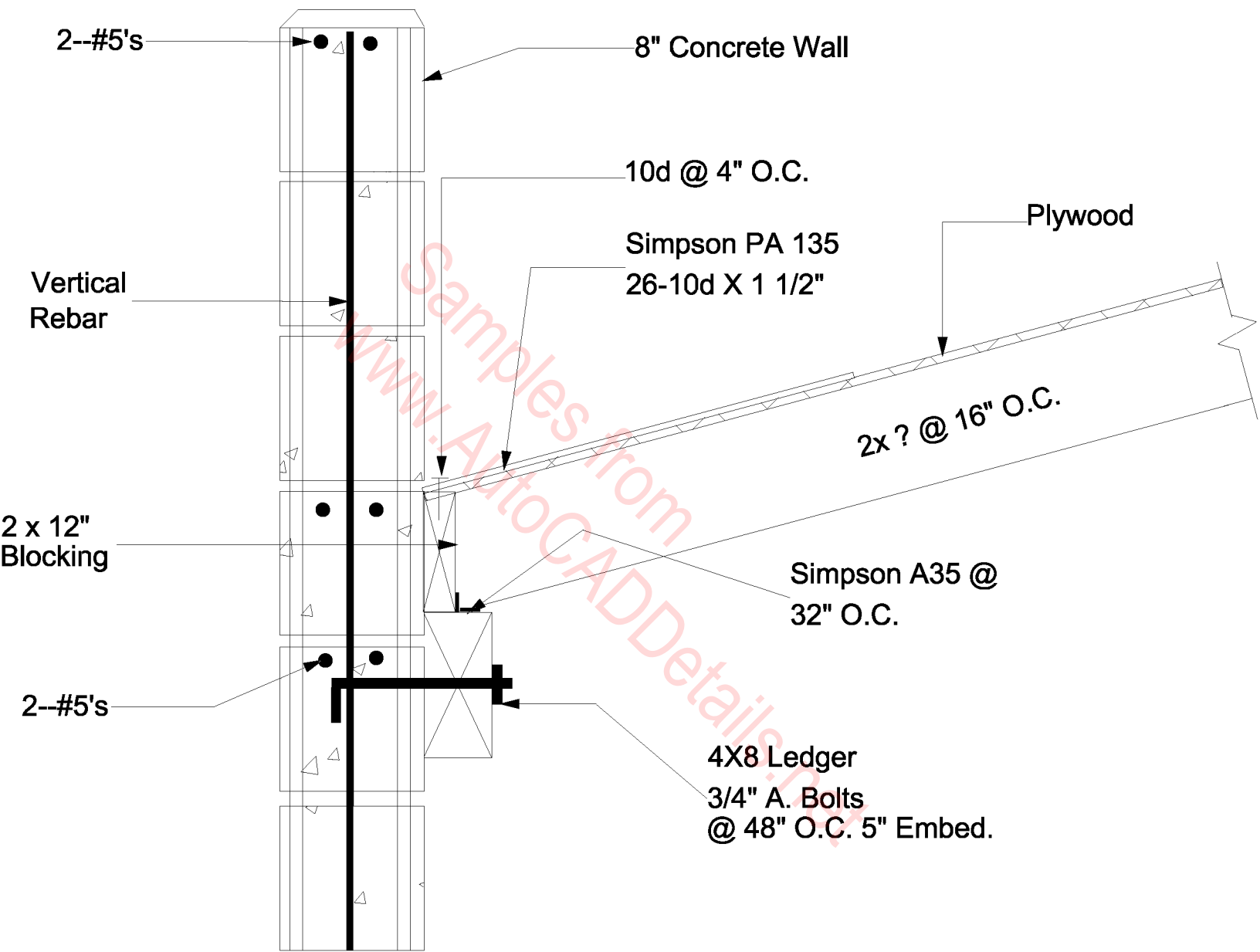
R-21 or better Insulation.



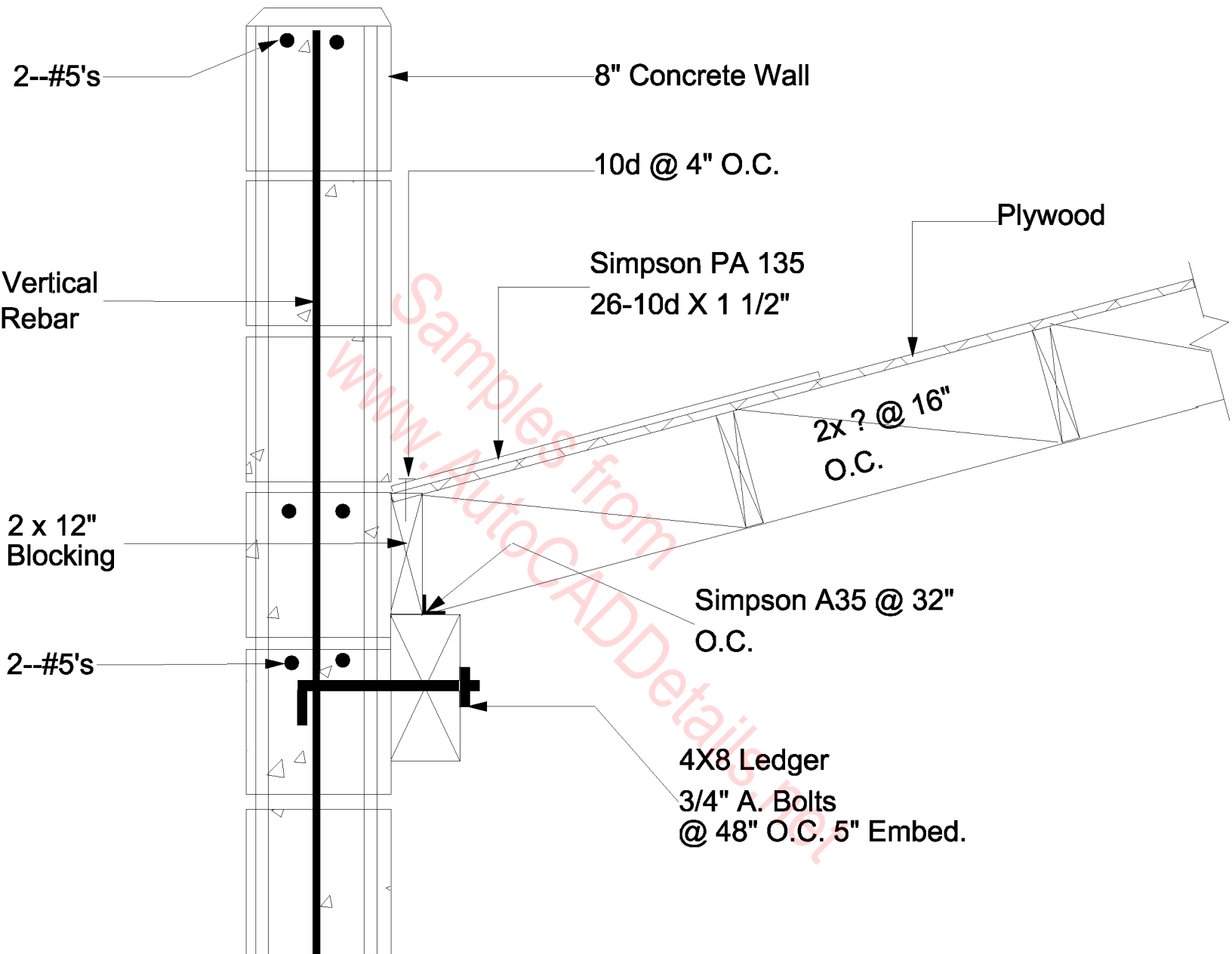
**NOTE:**  
Notch 4 X 8 & Secure with a 12" Long X 3/4" Bolt to Top Plate. Bolt to be flush with Glulam, if used.

**EAVE DETAIL.  
(OPEN BEAM)**

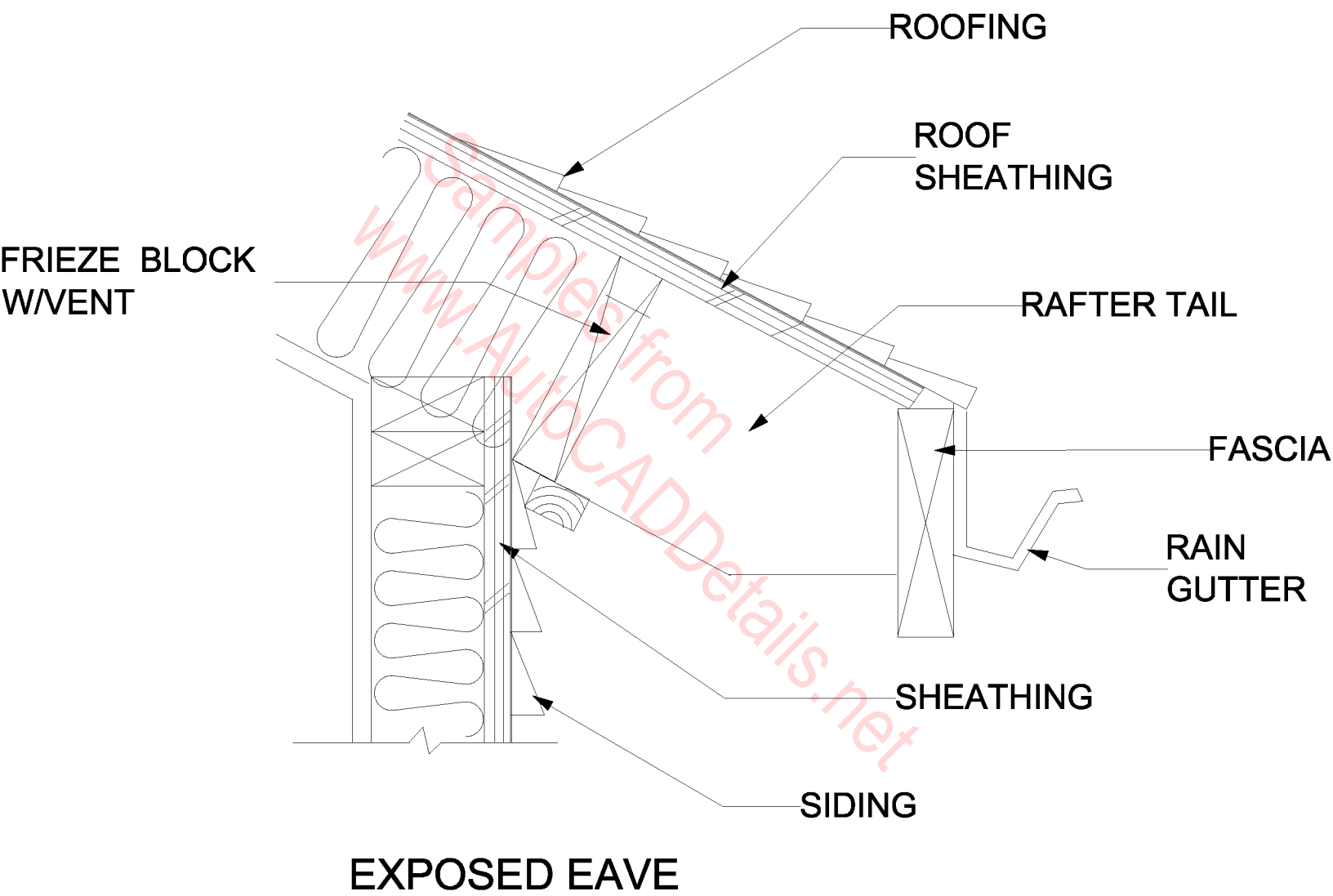


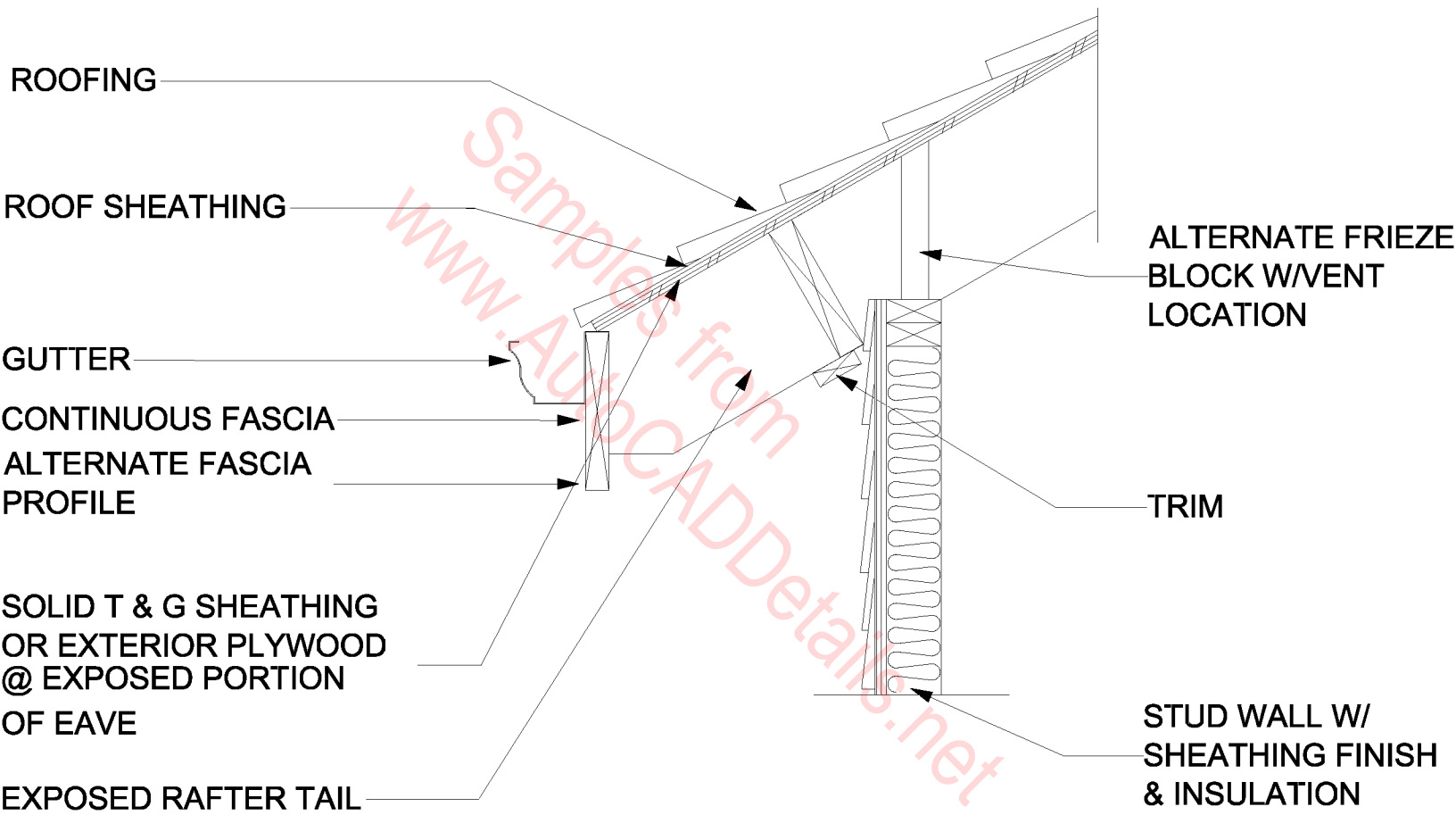


Exterior Wall & Parapet Rafters Prep. to wall sloped roof no overhang ledger support.

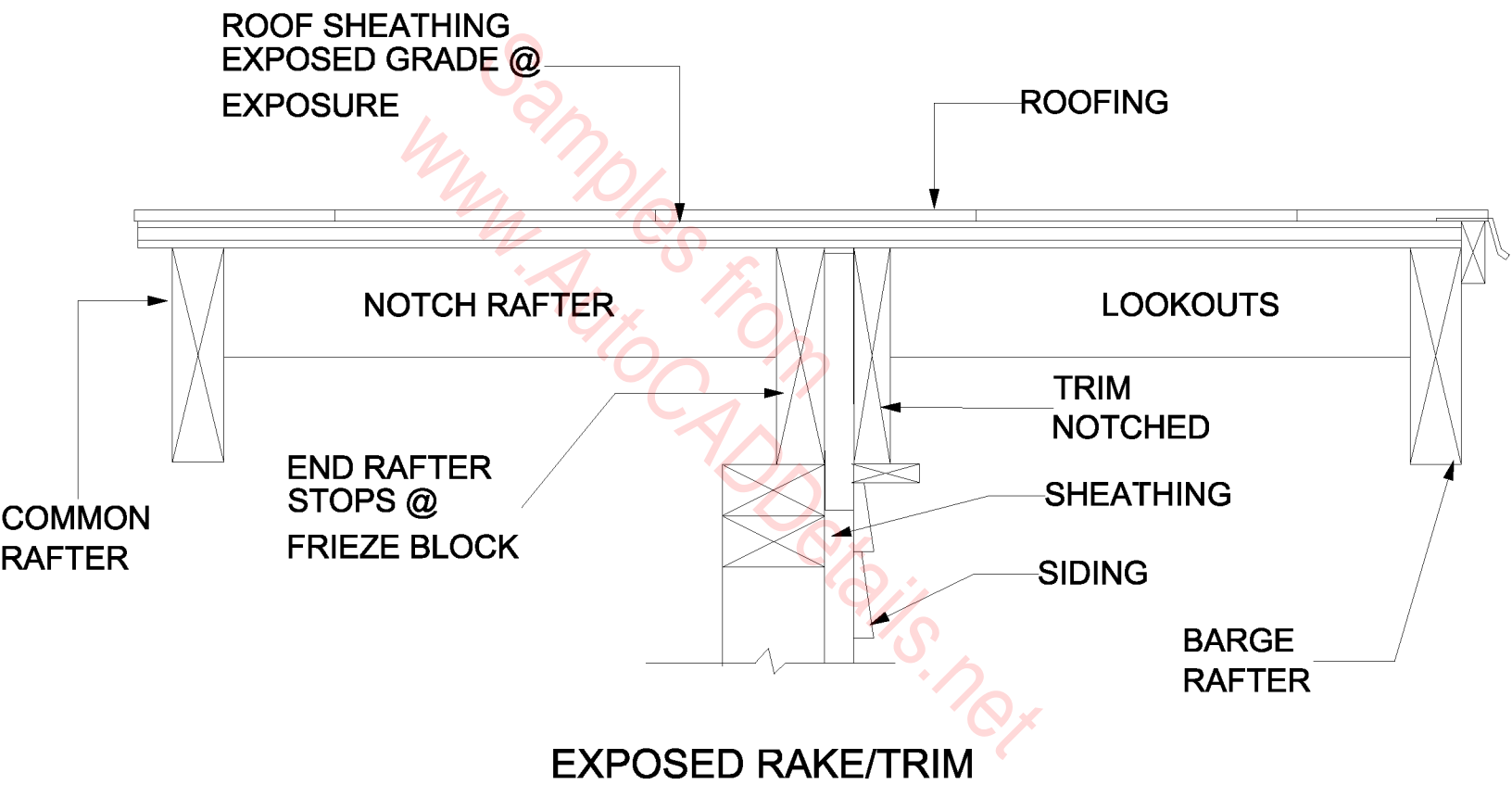


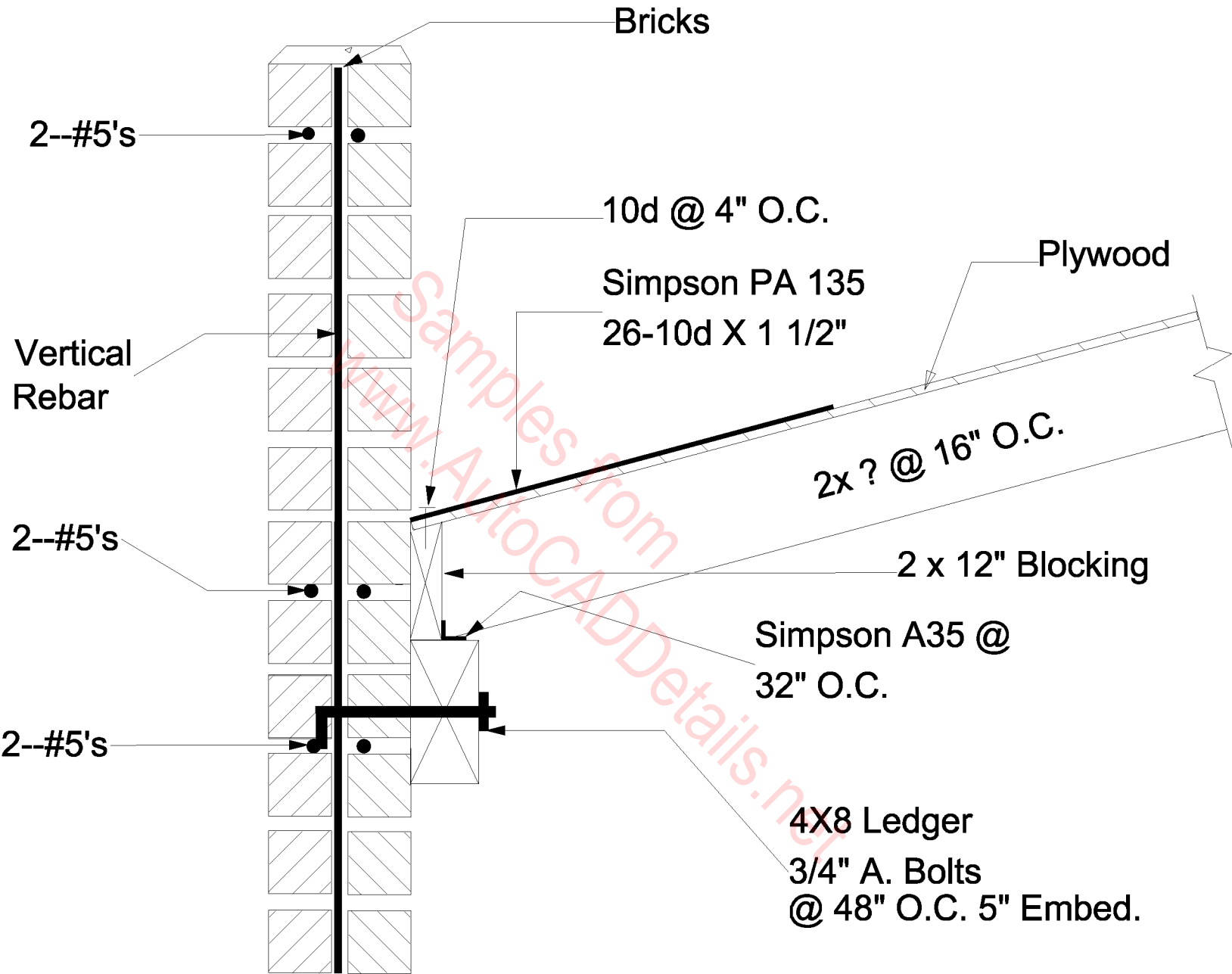
Exterior Wall & Parapet Rafters Prep. to wall  
sloped roof no overhang ledger support.  
Concrete Blocks



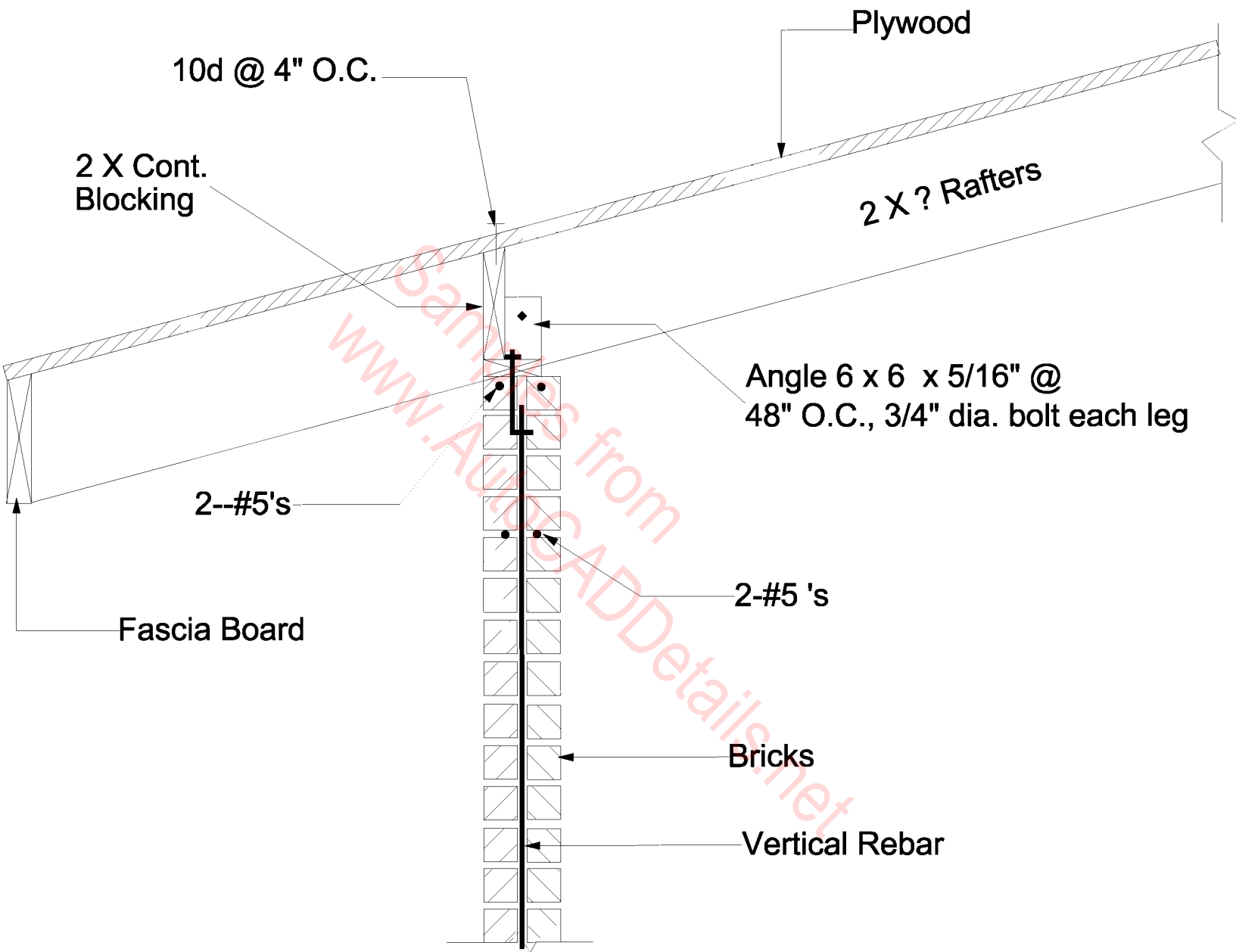


## EXPOSED EAVE

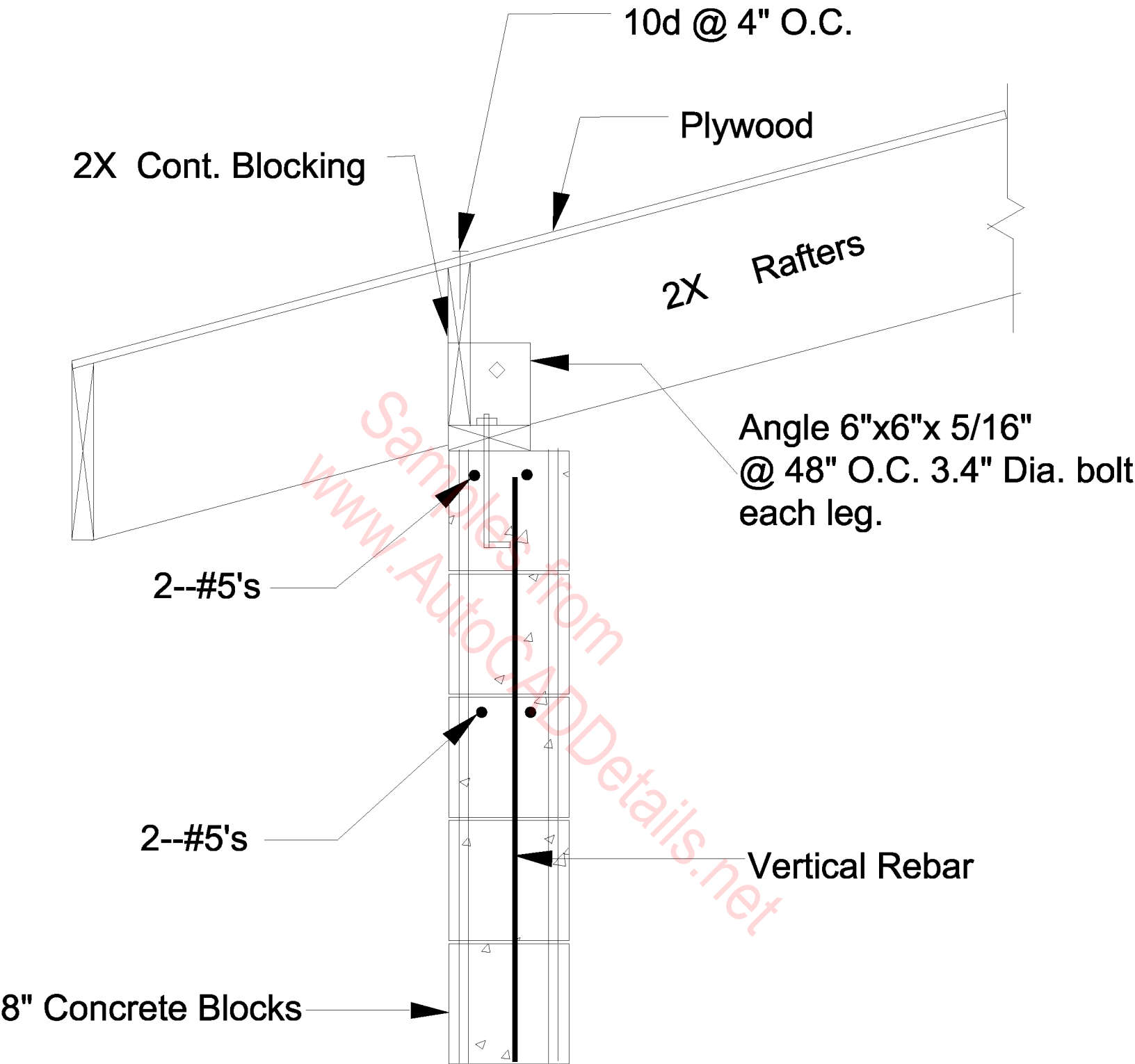




Exterior Wall & Parapet Rafters Prep. to wall sloped roof no overhang ledger support. Bricks

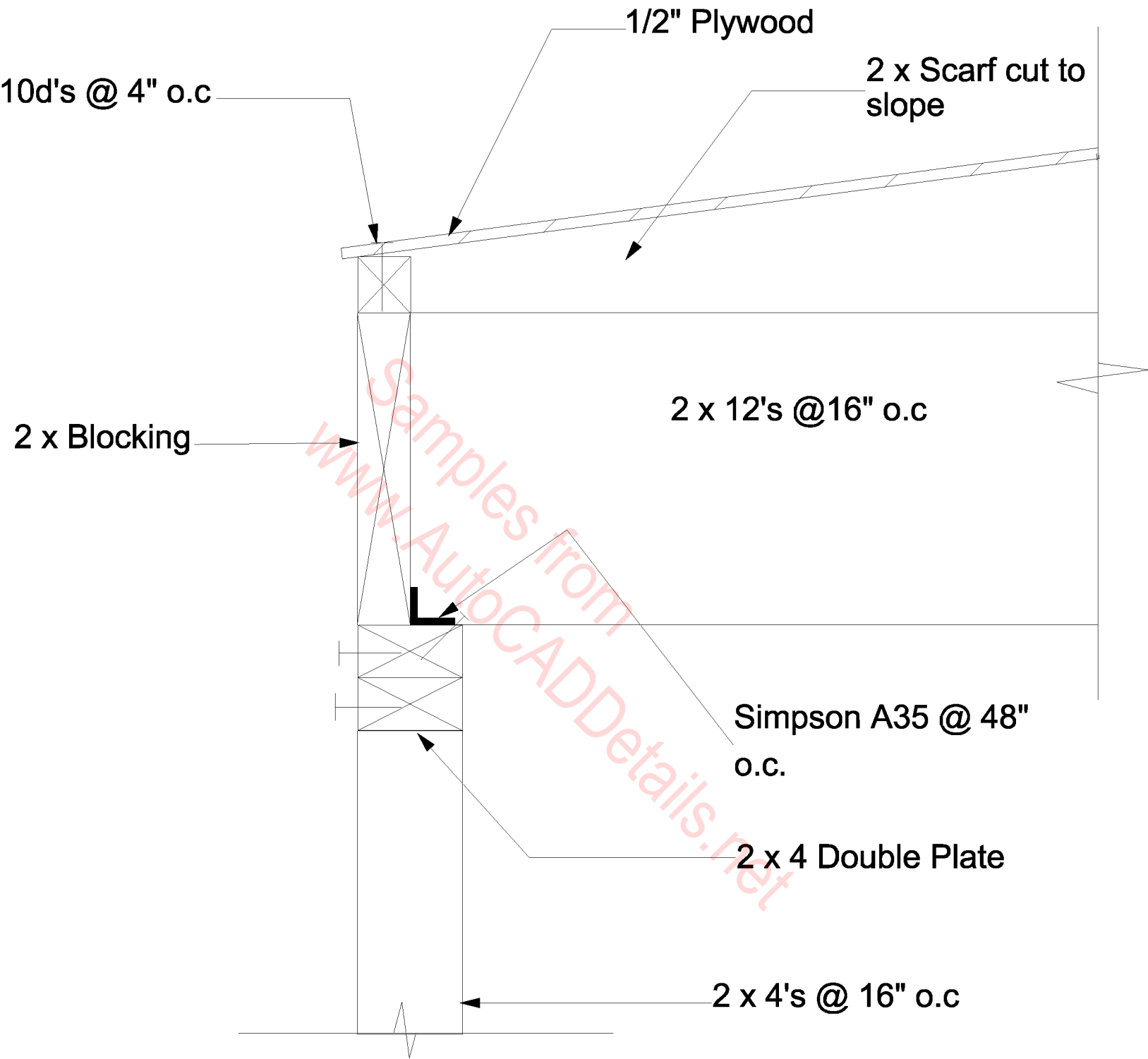


Exterior Wall Rafters to wall Sloped roof, bricks

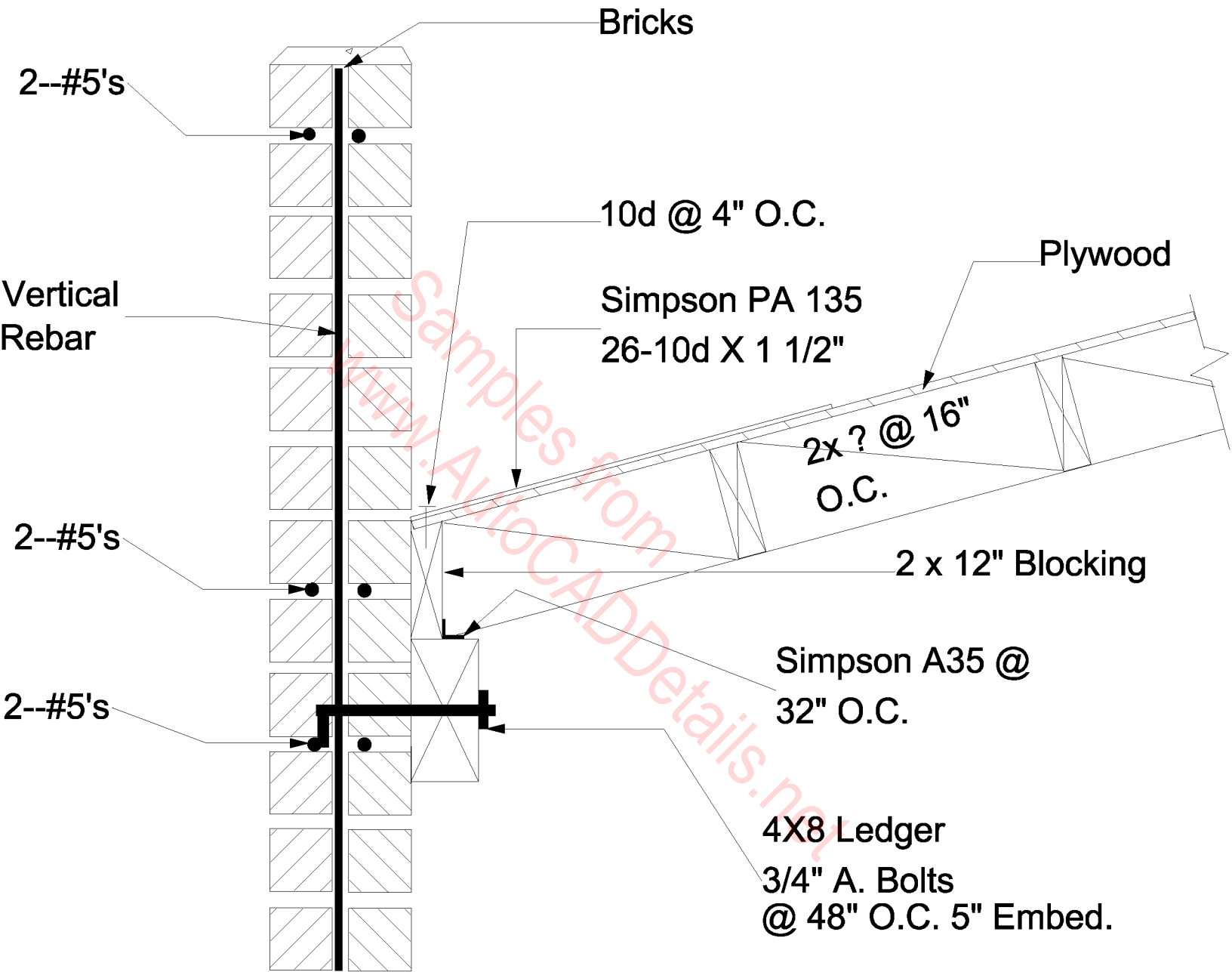


Exterior Wall Rafters prep.to wall  
sloped roof overhang, clip angle  
rafters to wall.

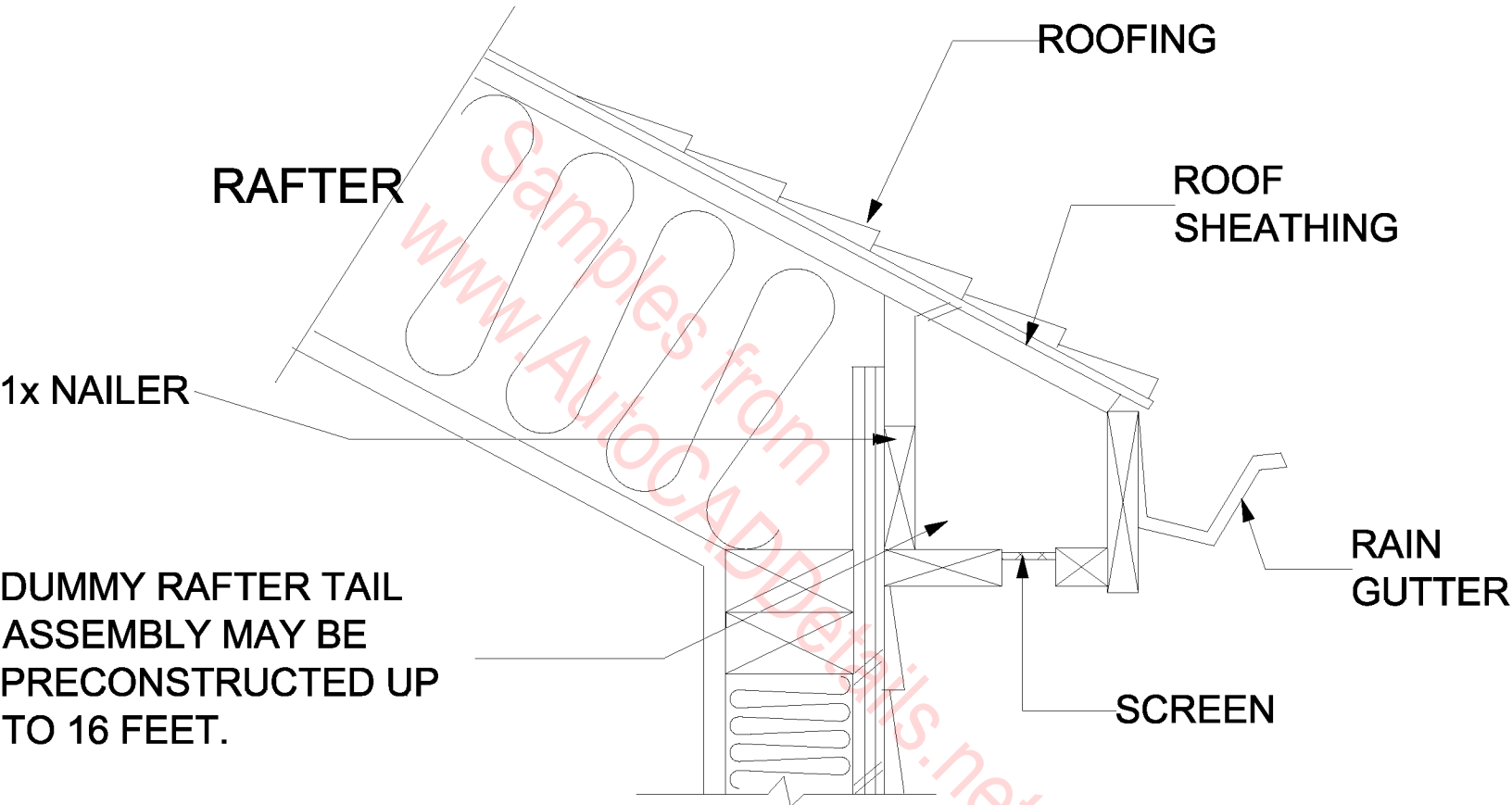




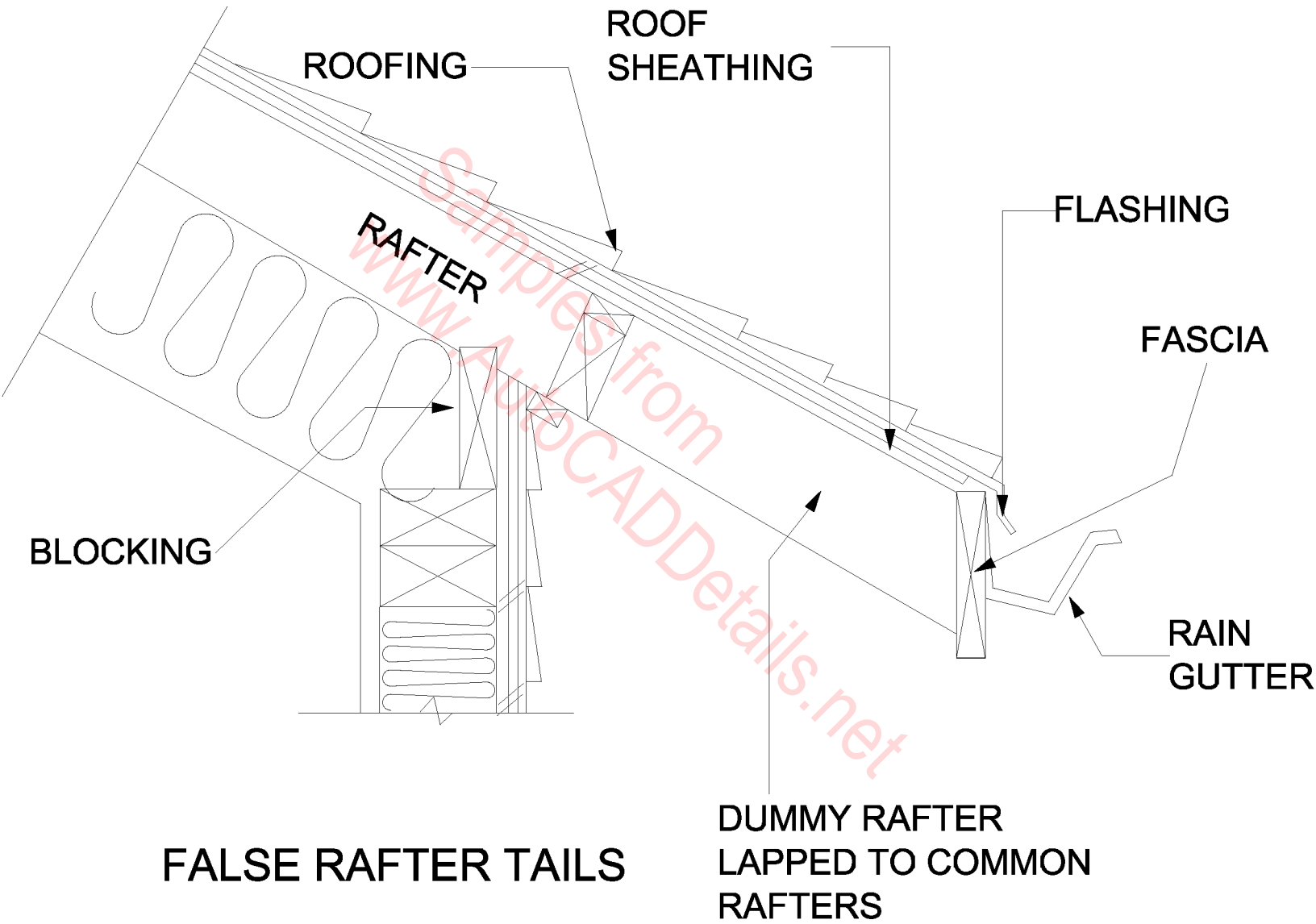
Exterior wall, Rafters prep. to wall,  
 scarf slope roof to wall, metal  
 shear resistance clips

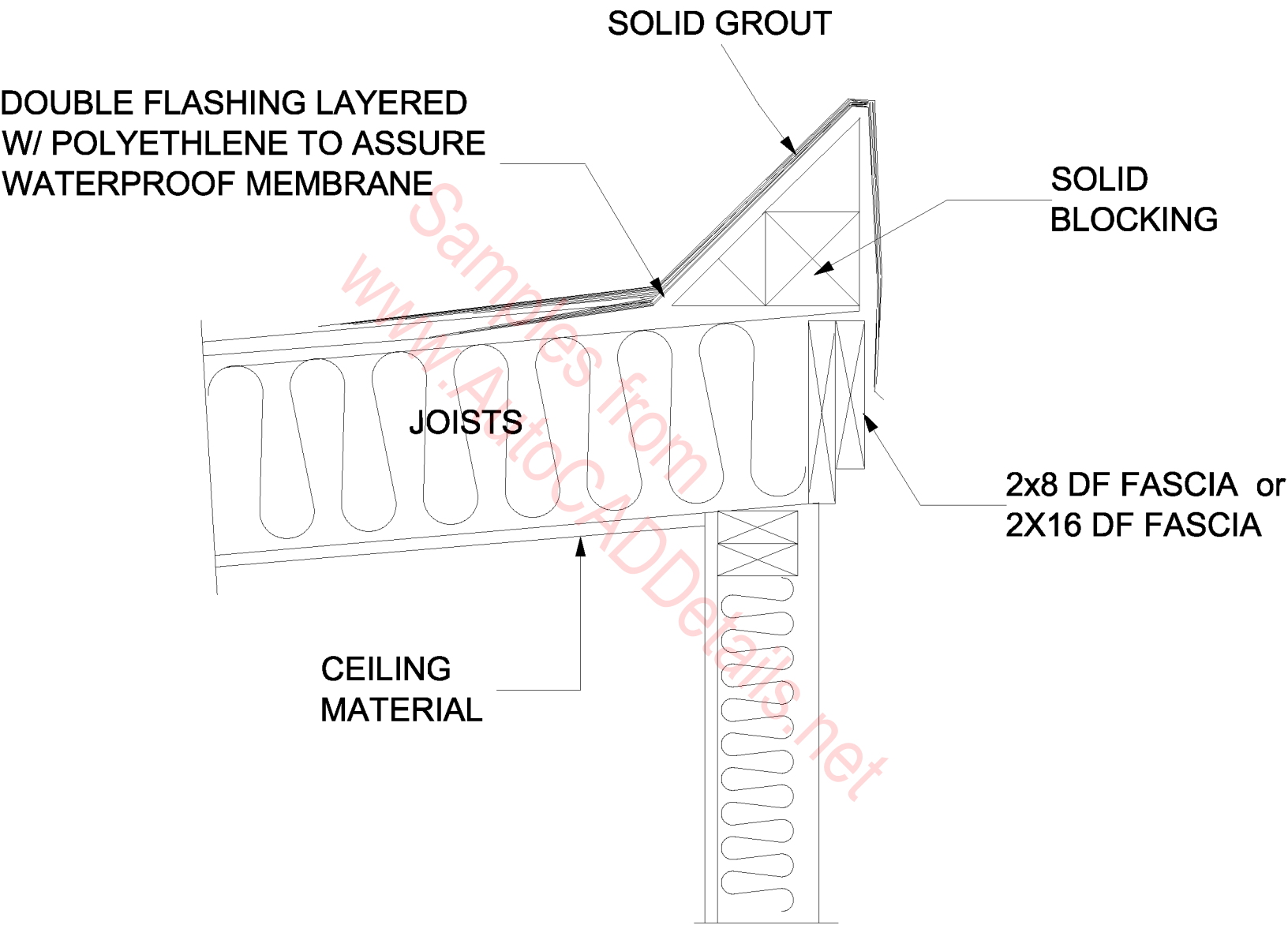


Exterior Wall & Parapet Rafters Prep. to wall sloped roof no overhang ledger support. Bricks

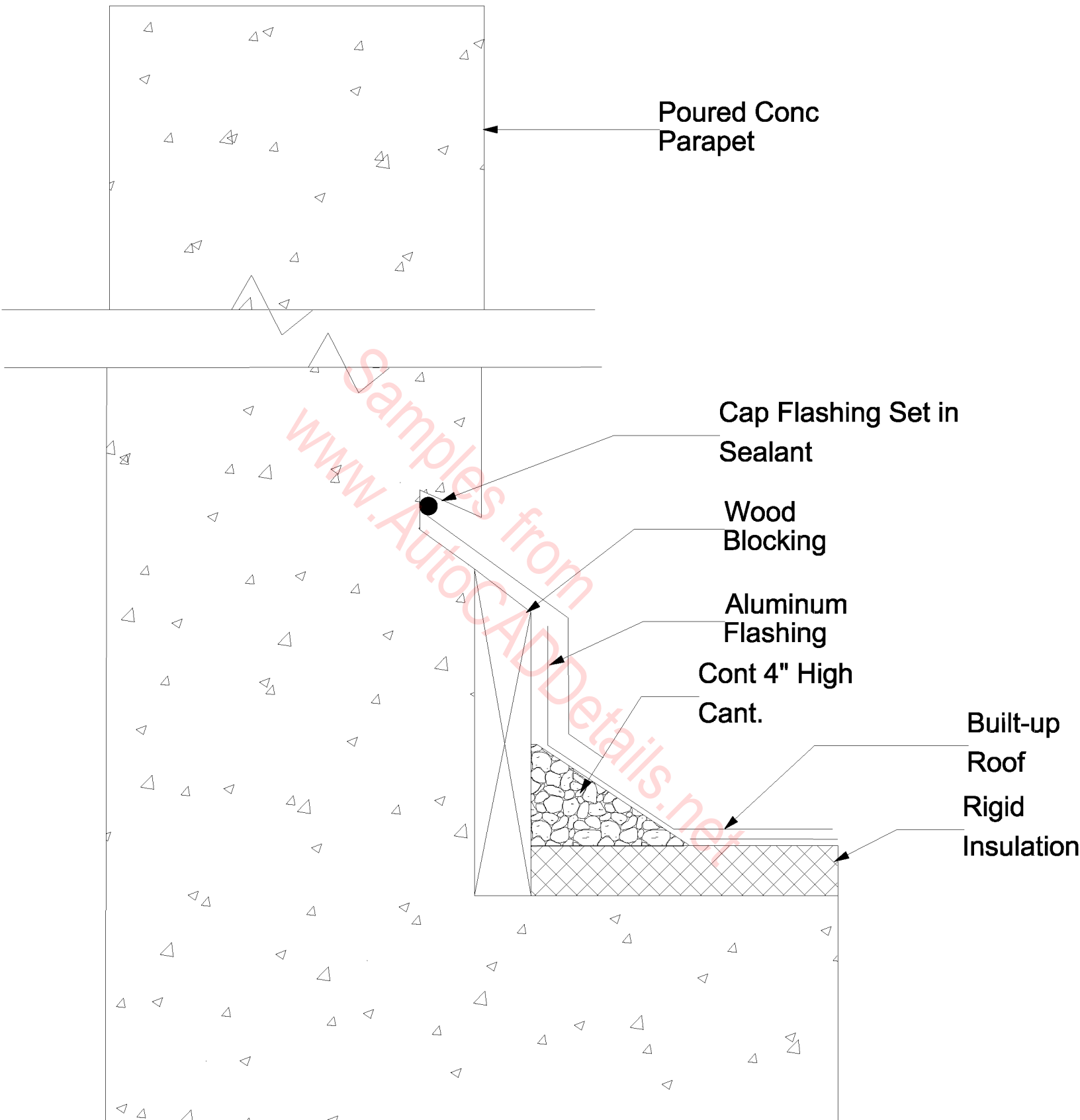


## FALSE RAFTER TAILS

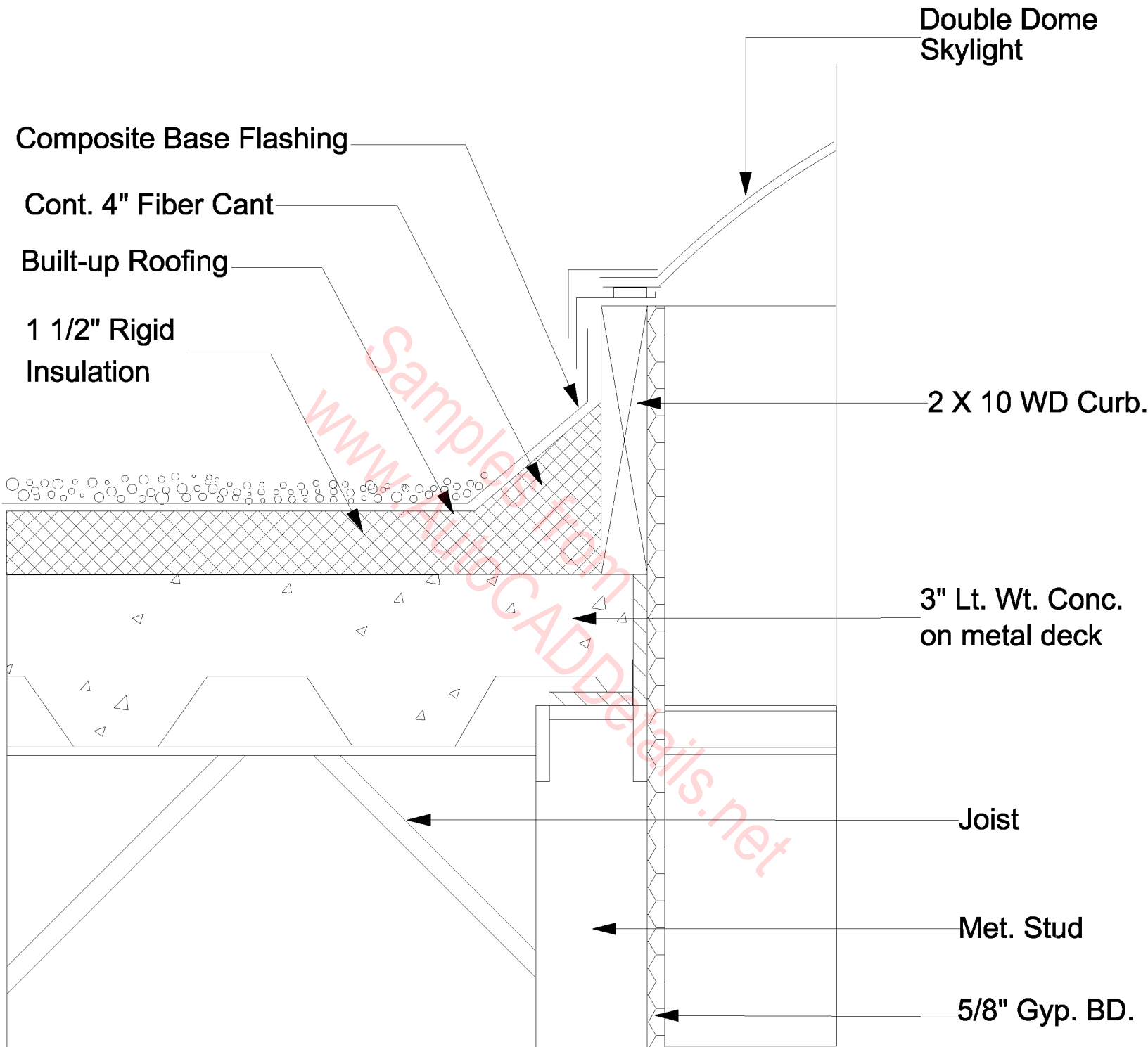




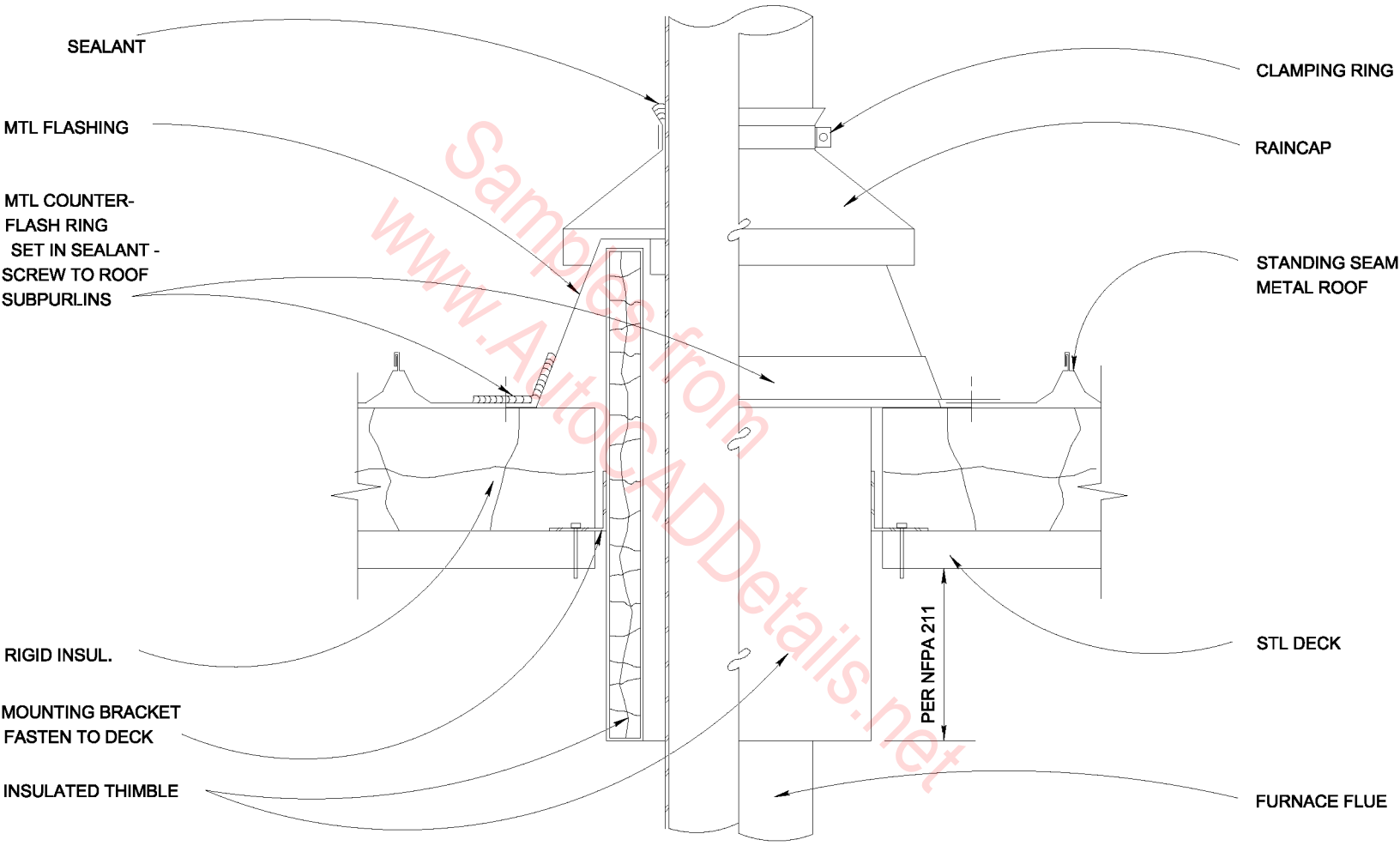
**FASCIA DETAIL for Flat Roof**



**Flashing @ Conc. Parapet**

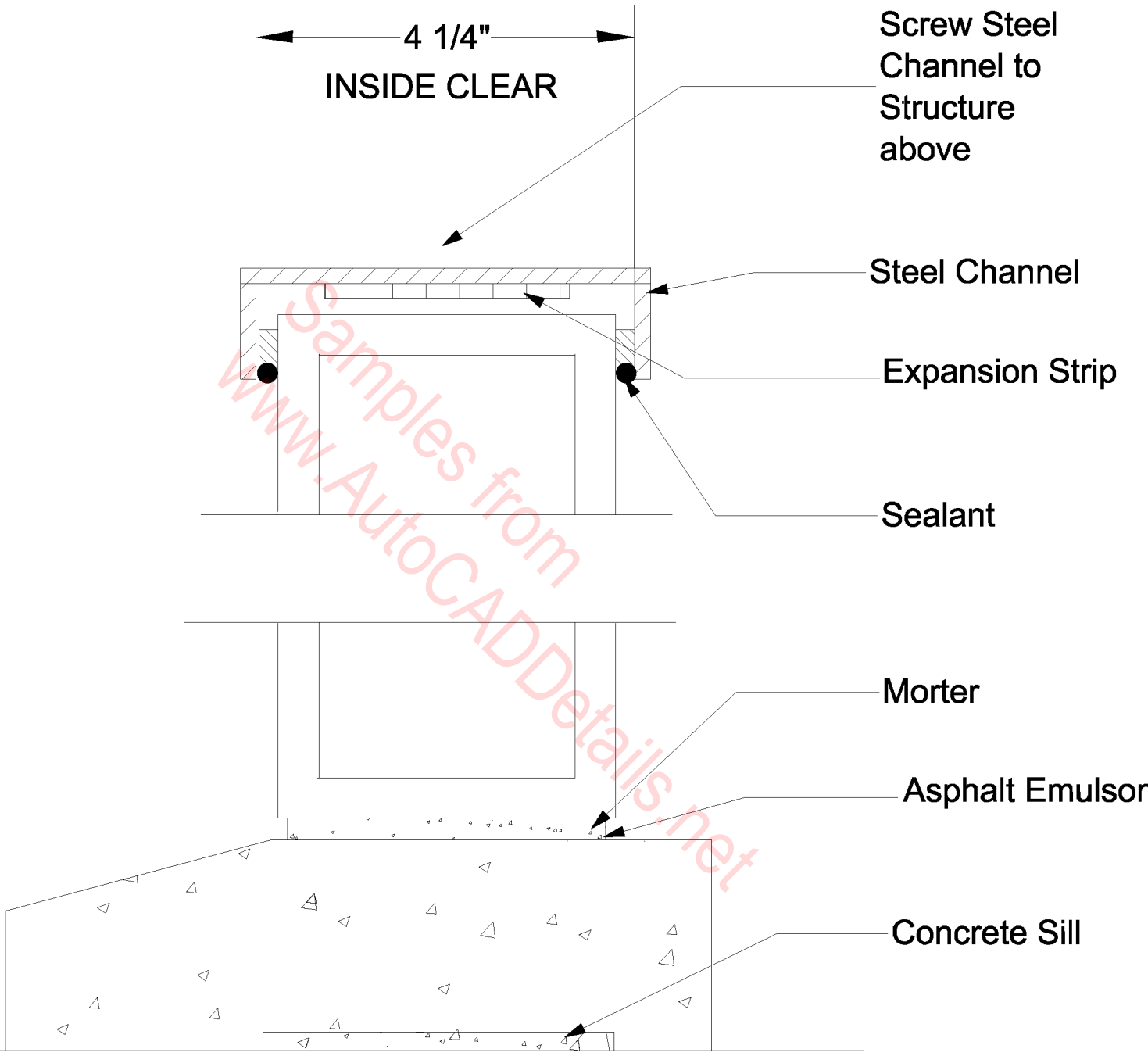


# FLASHING @ SKYLIGHT



**FURNACE FLUE DETAIL**





# GLASS BLOCK HEAD & SILL

Attach continuous aluminum roofing clamp w/ screw & neoprene washer

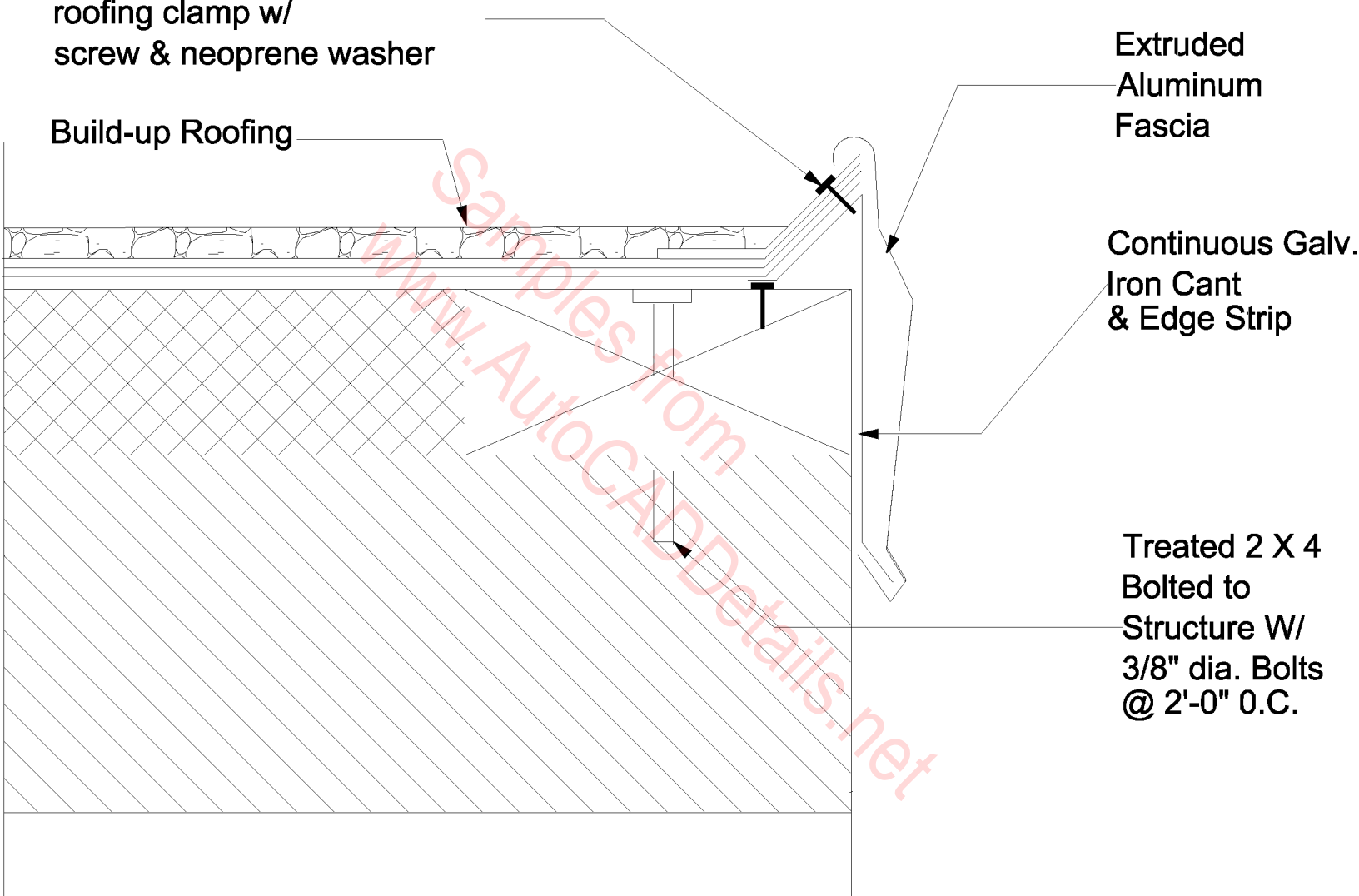
Build-up Roofing

Extruded Aluminum Fascia

Continuous Galv. Iron Cant & Edge Strip

Treated 2 X 4 Bolted to Structure W/ 3/8" dia. Bolts @ 2'-0" O.C.

# GRAVEL STOP-FORMED



BONDING  
ADHESIVE

LAP EDGE  
SEALANT

METAL EDGE

CONTINUOUS  
CLIP FAST-  
ENED 12" O.C.

GUTTER  
STRAP

1"

3 3/4"

1 1/2"

5"

GUTTER

HOT WELD

LAP EDGE  
SEALANT

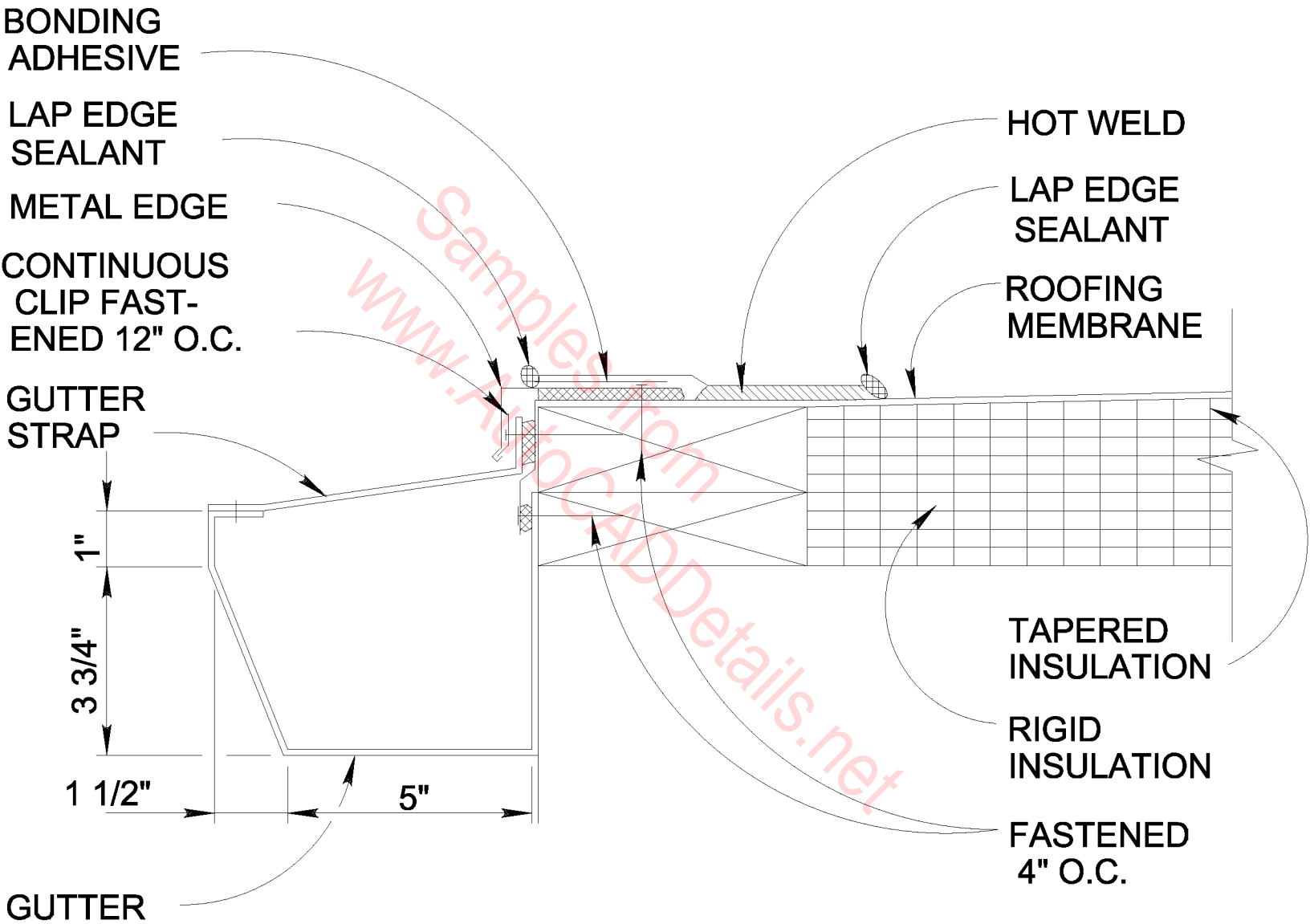
ROOFING  
MEMBRANE

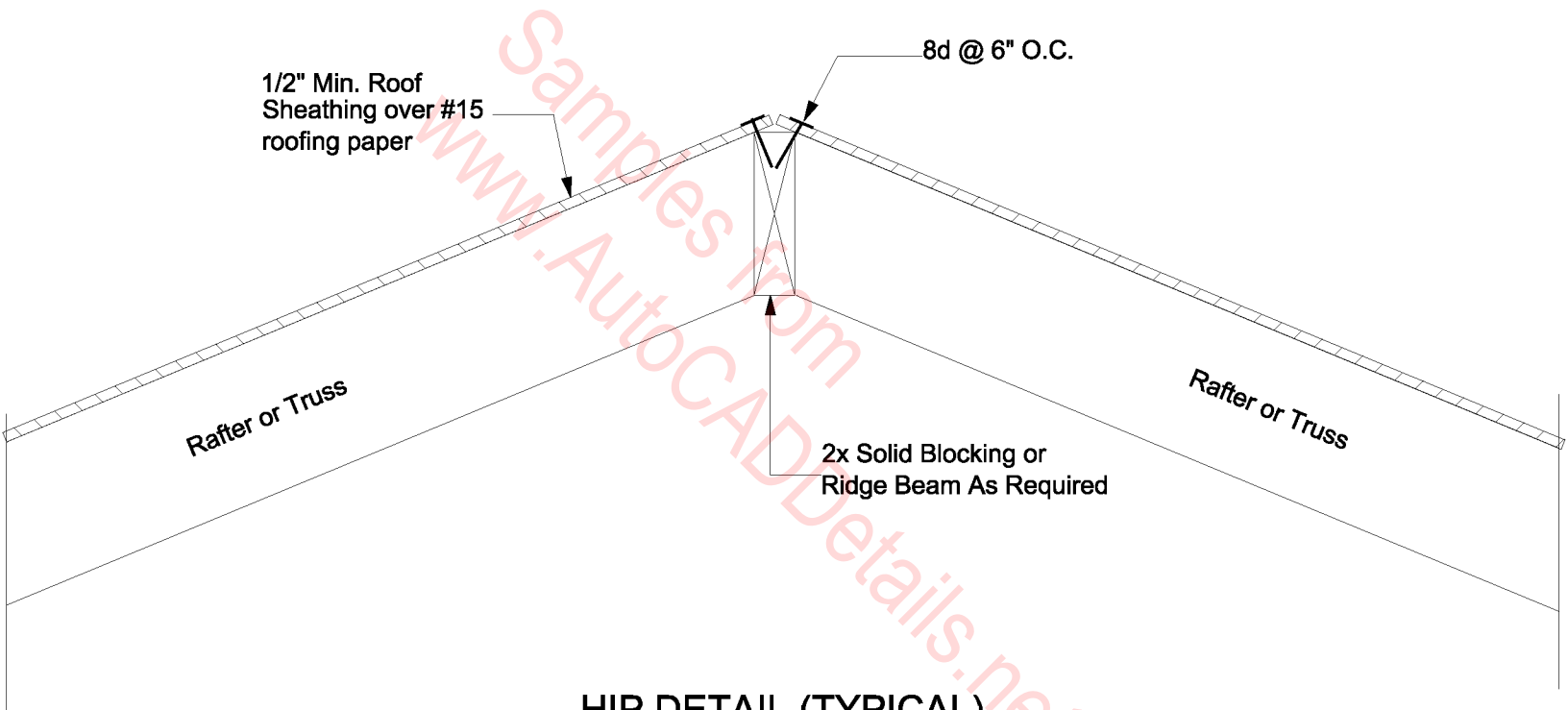
TAPERED  
INSULATION

RIGID  
INSULATION

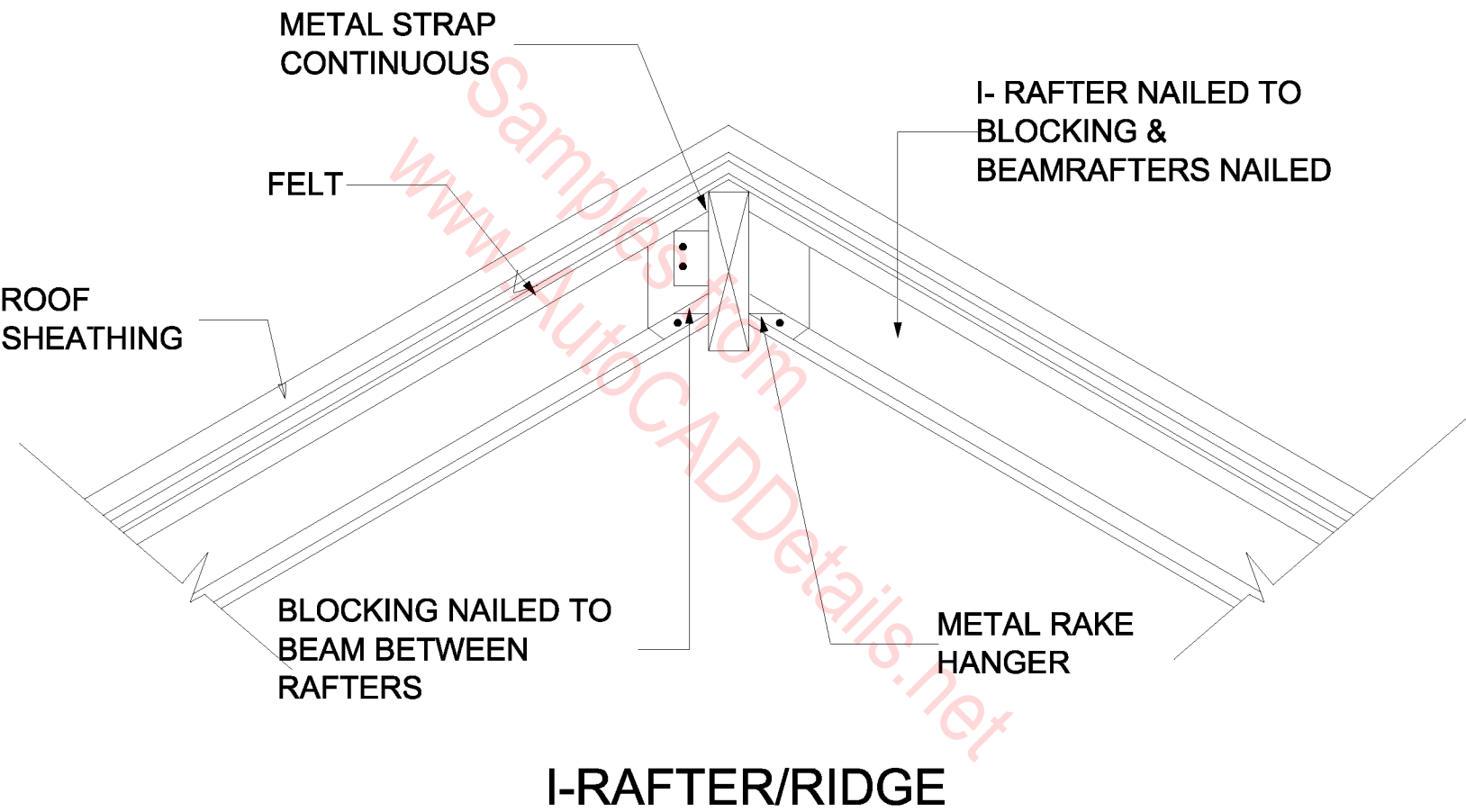
FASTENED  
4" O.C.

# GUTTER DETAIL





HIP DETAIL (TYPICAL)



Brick Veneer

2'x4" or 6" Stud

5/8" GYP BD.

Flashing

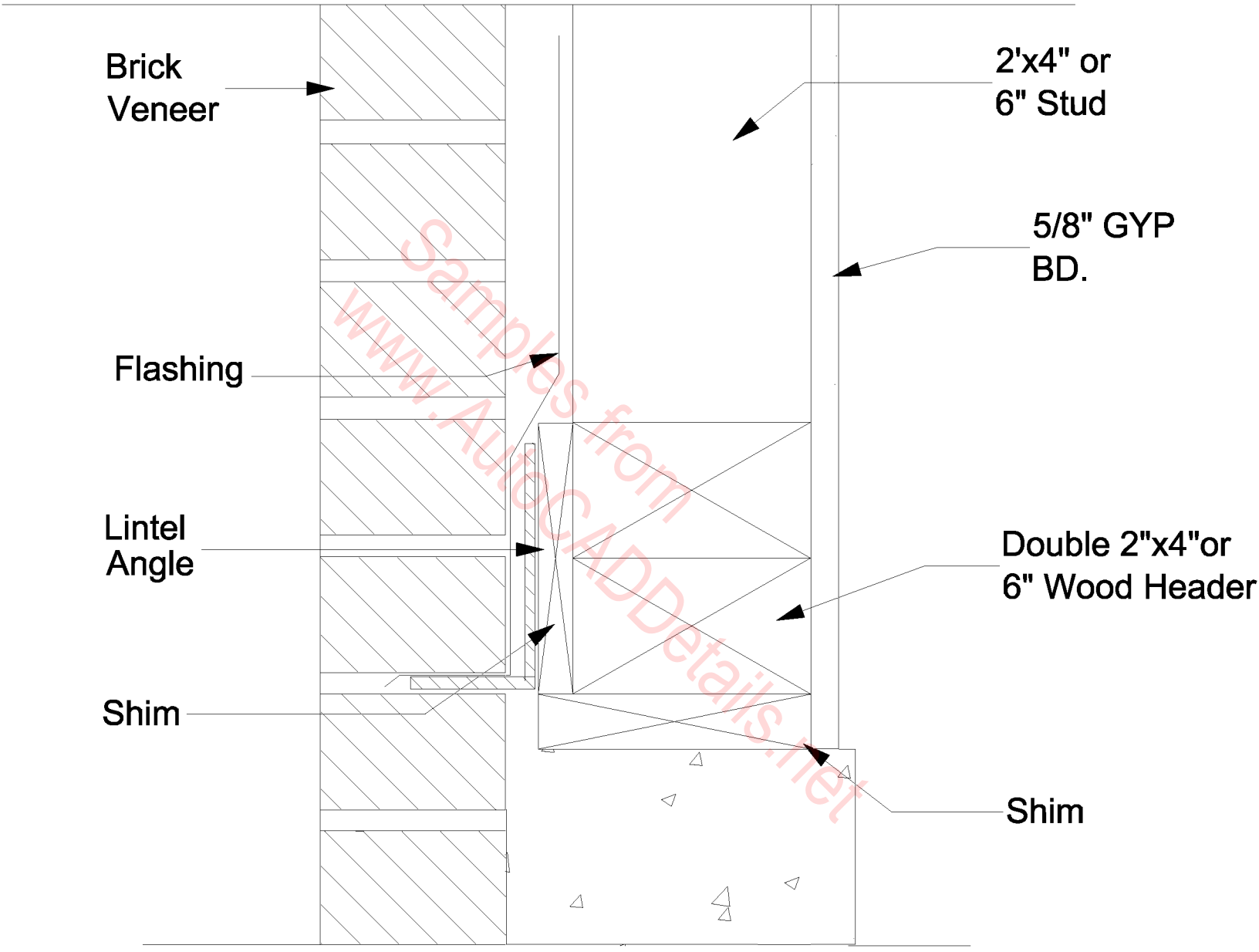
Lintel Angle

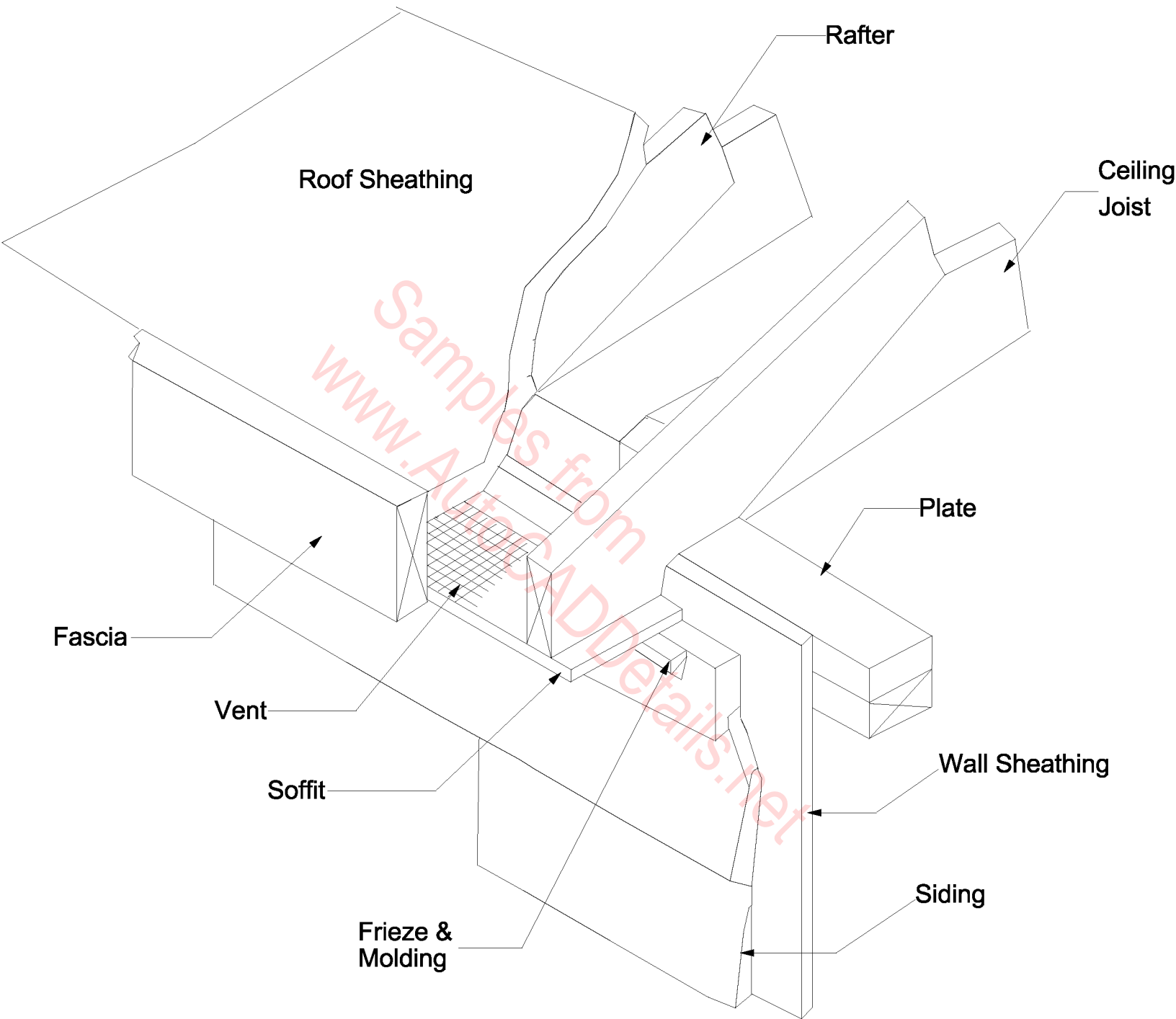
Double 2"x4" or 6" Wood Header

Shim

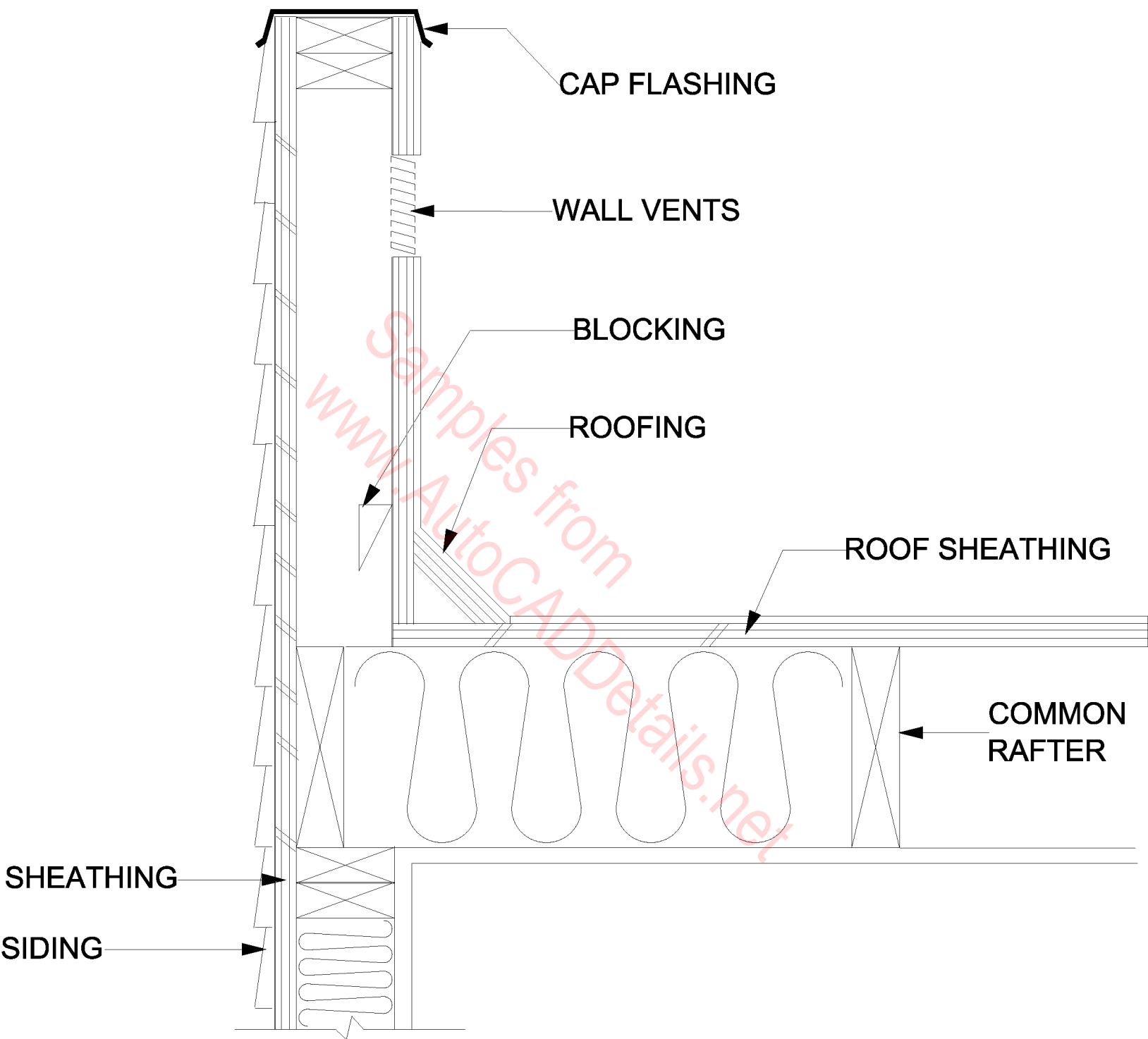
Shim

LINTEL @ 4" BRICK VENEER WALL



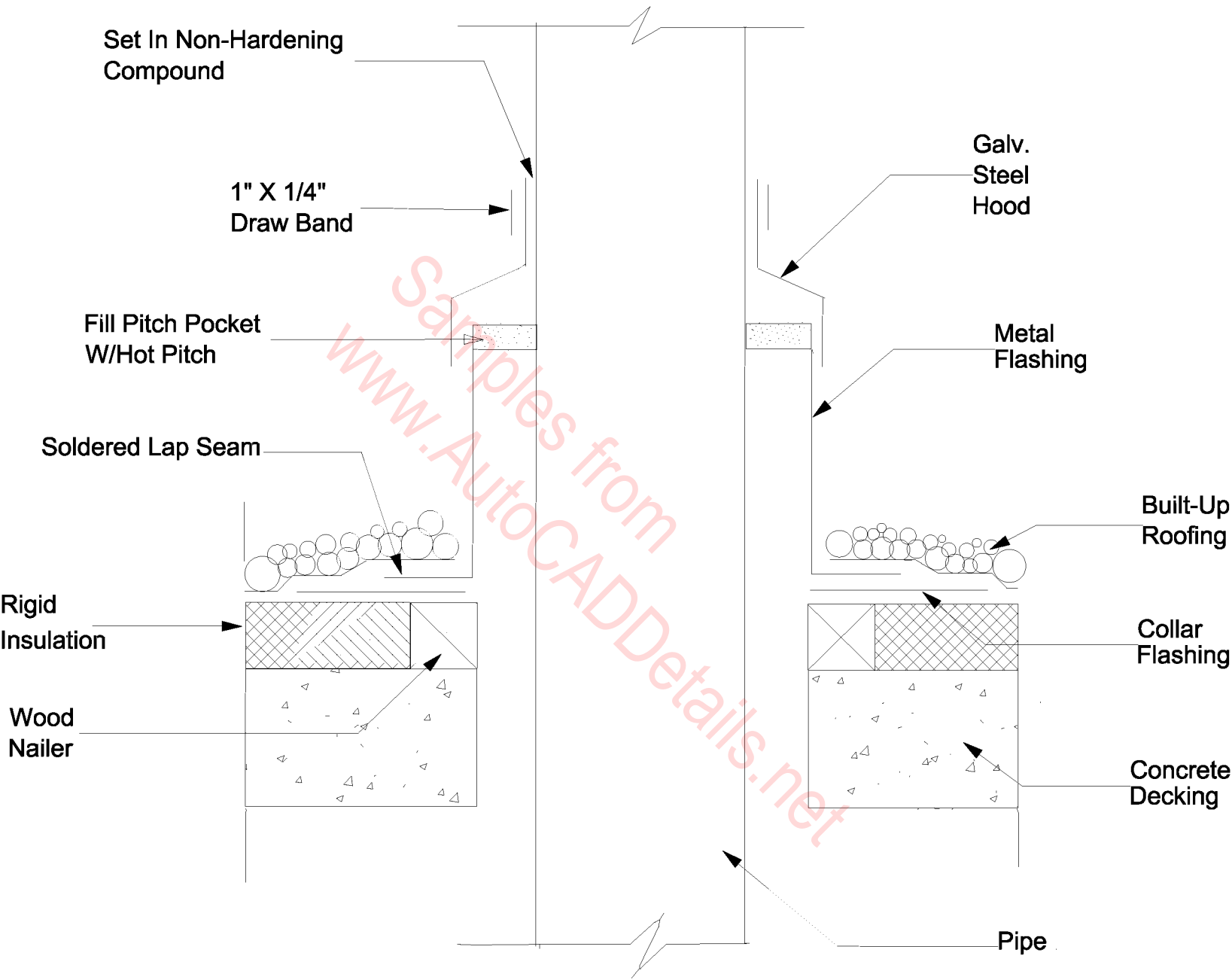


**NARROW BOX SOFFIT**

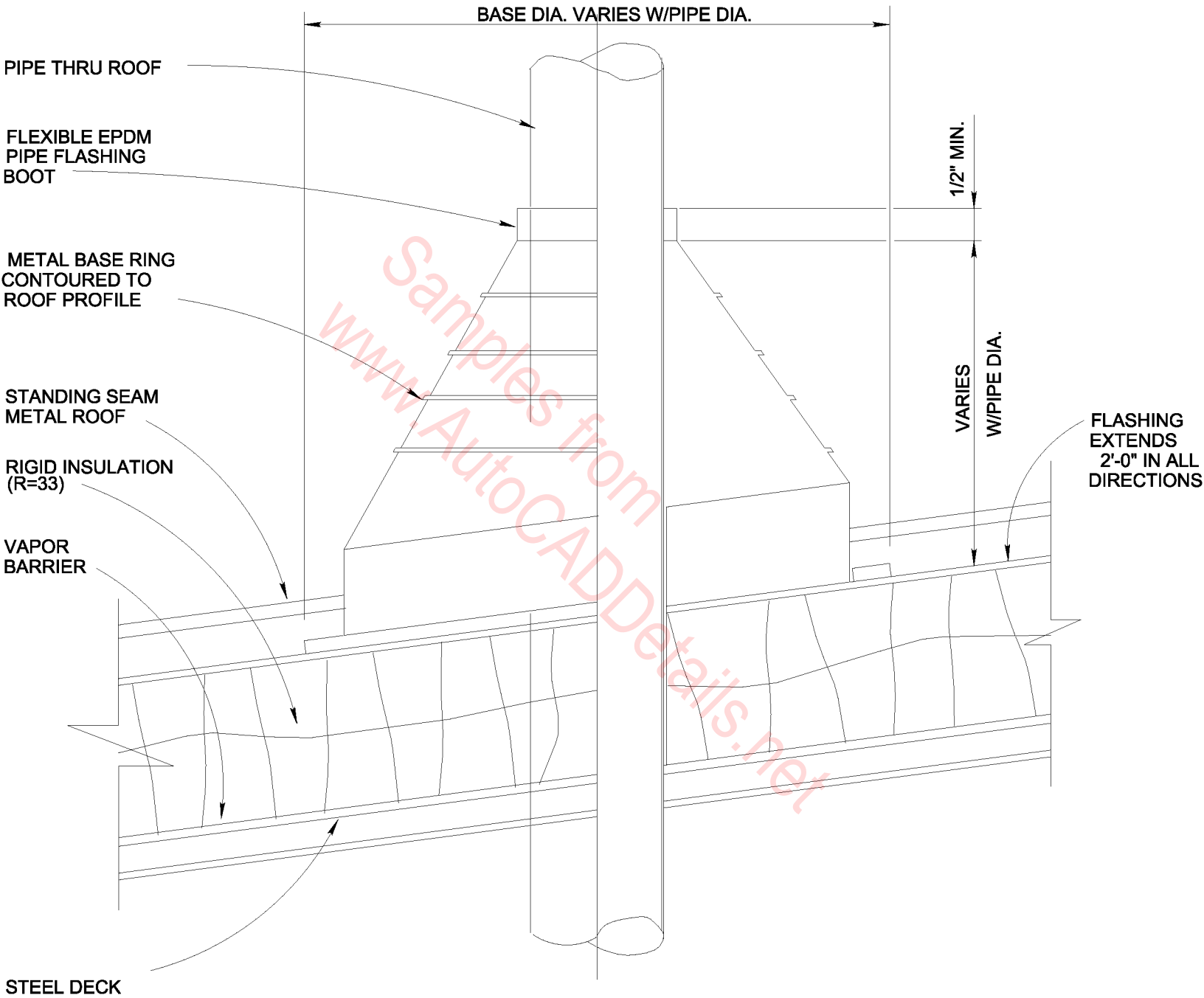


**PARAPET WALL-VENTED**

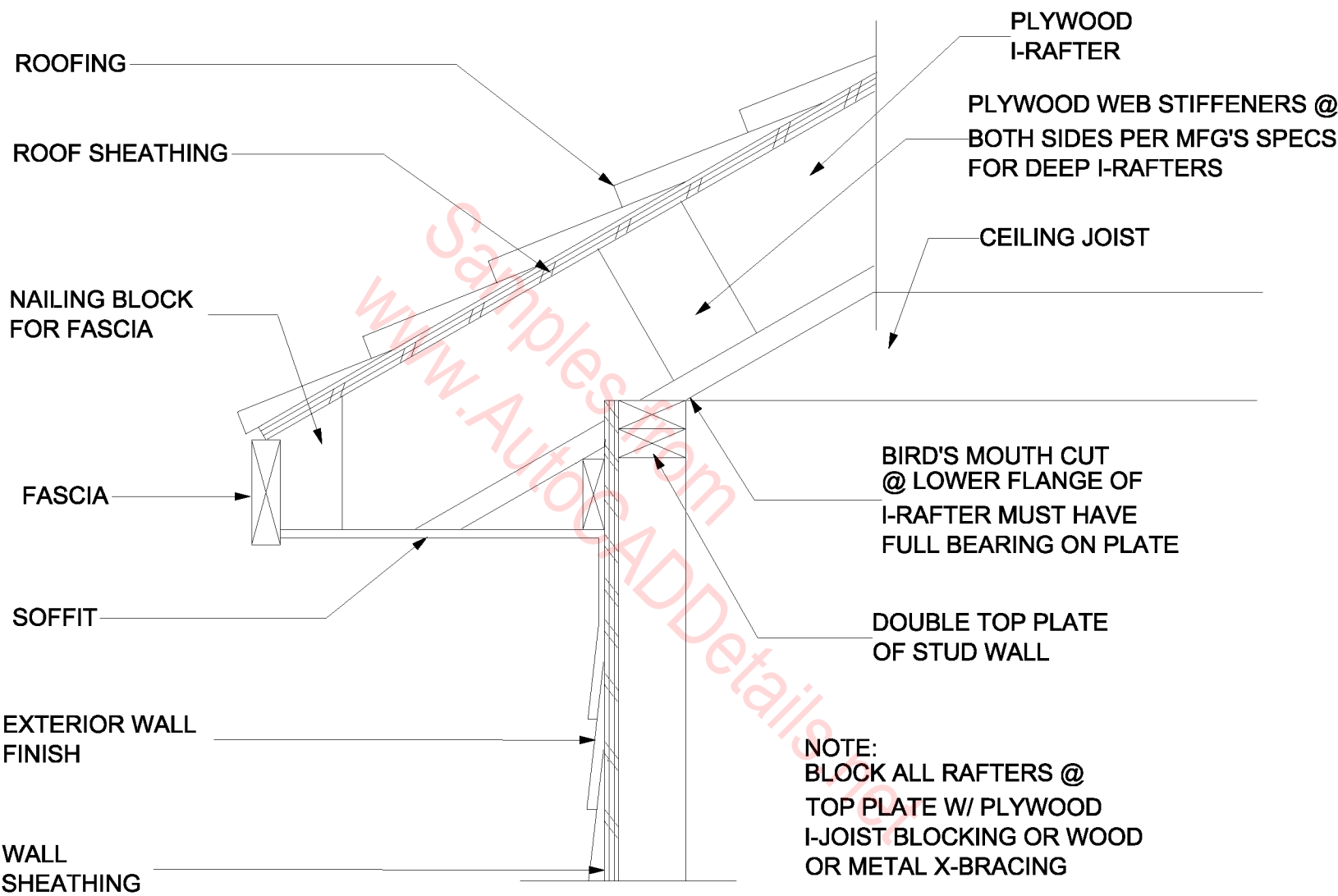




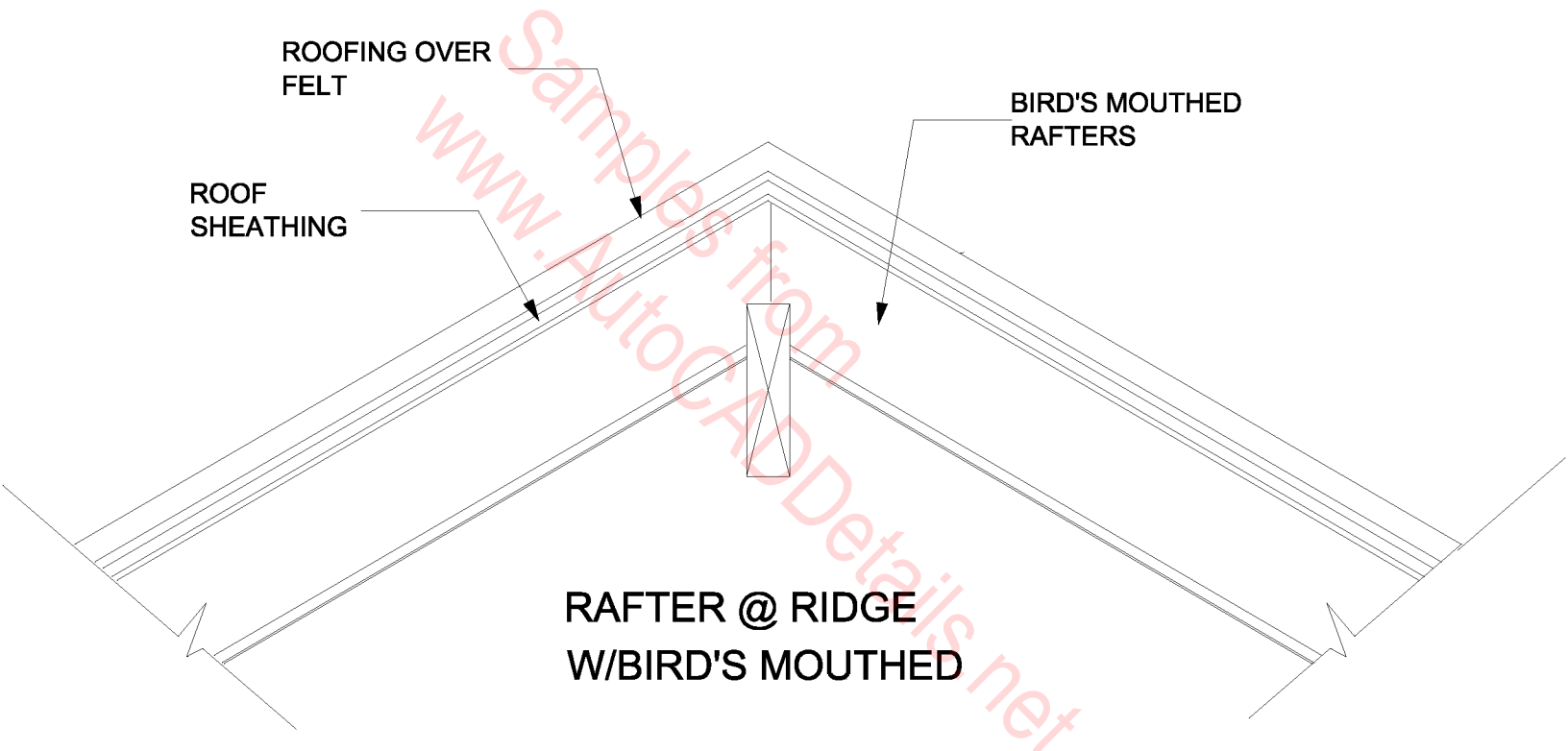
**PITCH POCKET @ PIPE**

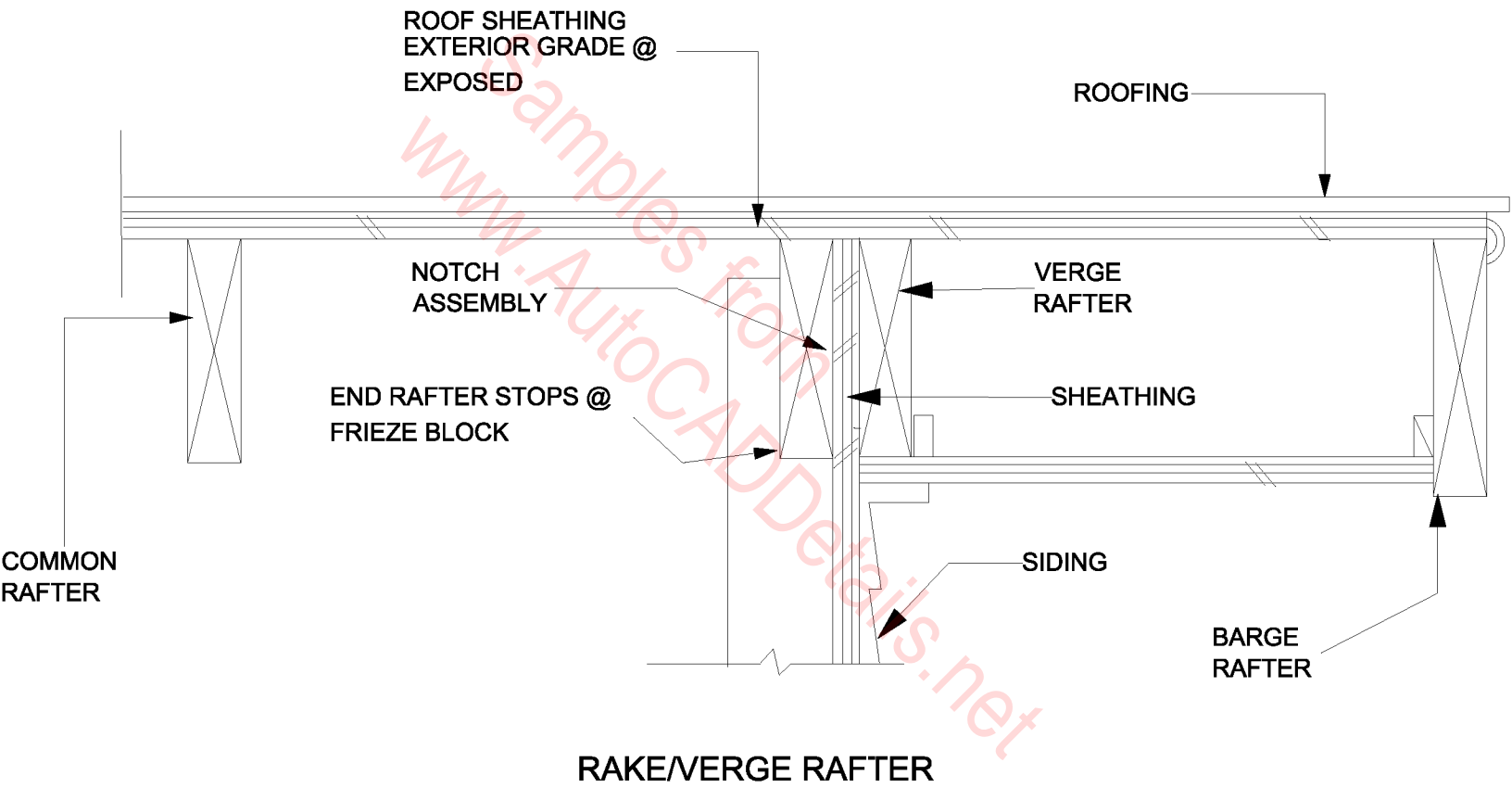


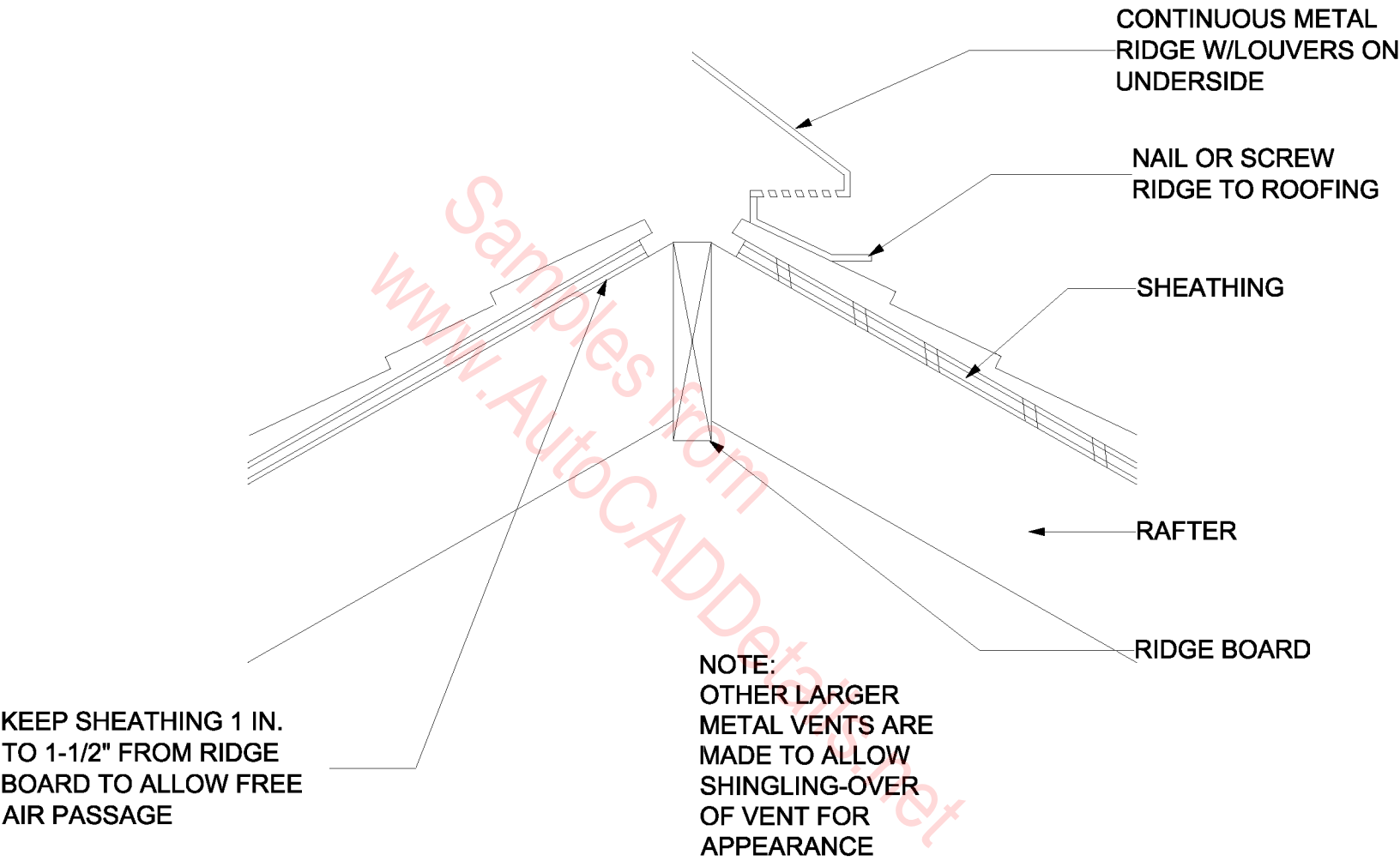
**PLUMBING VENT DETAIL**



**PLYWOOD I-RAFTER**  
**SOFFITED EAVE**

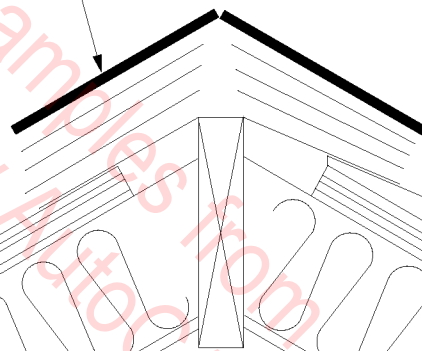






## RIDGE EXHAUST VENT

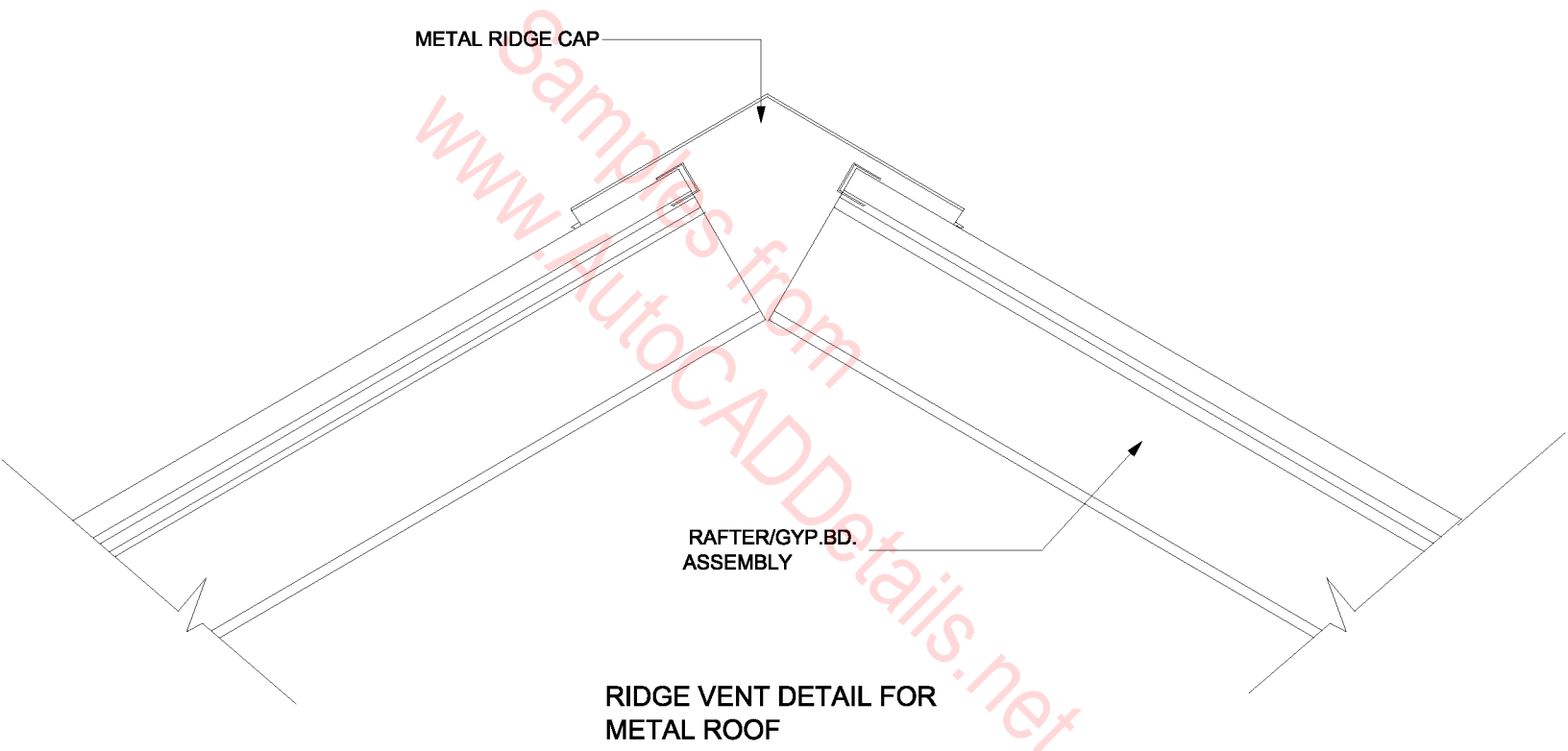
CONTINUOUS  
RIDGE VENT-CORRUGATED  
PLASTIC NAILED THROUGH



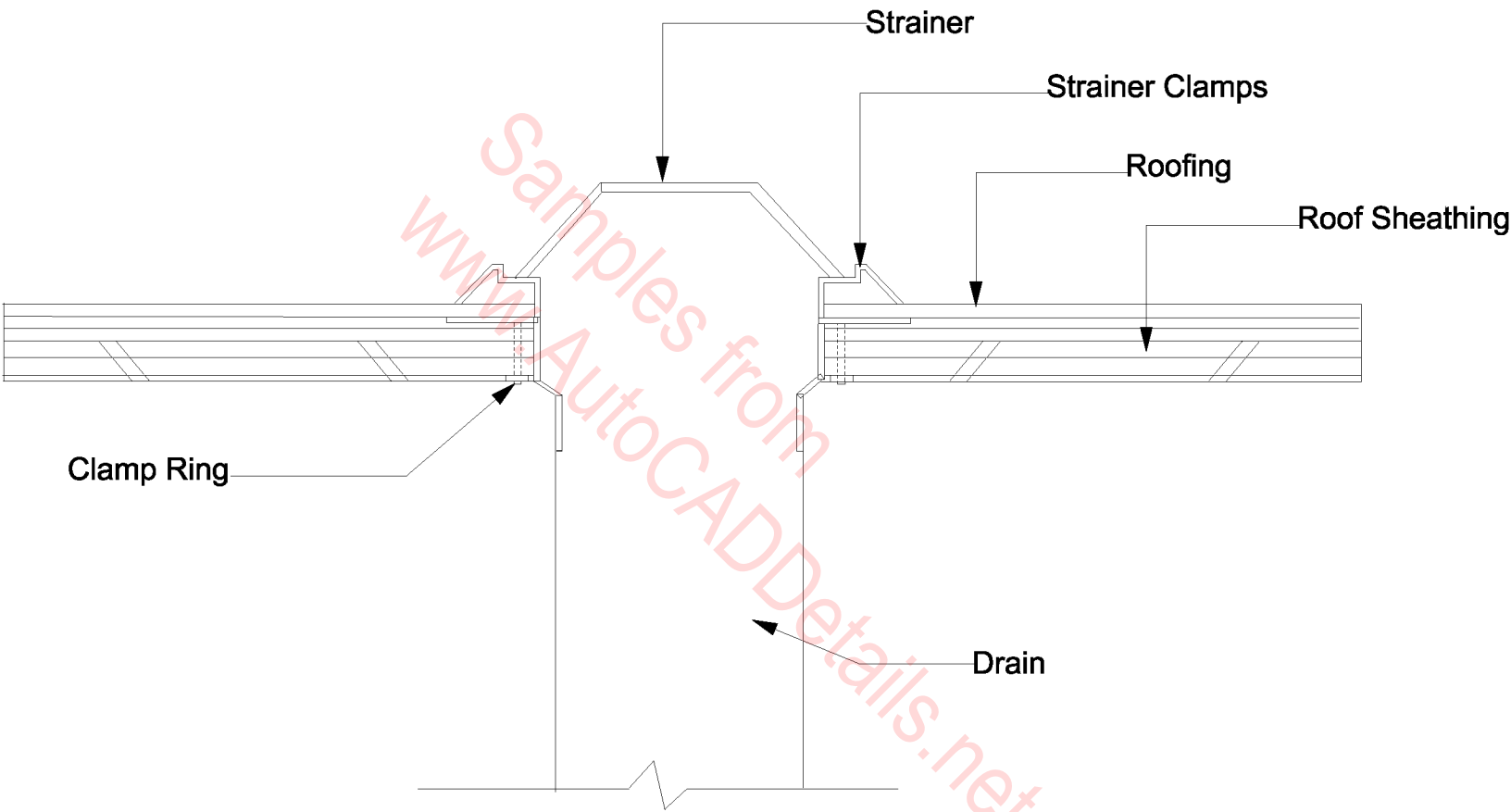
RAFTER/GYP. BOARD  
ASSEMBLY

RIDGE VENT DETAIL  
W/ CORRUGATED PLASTIC

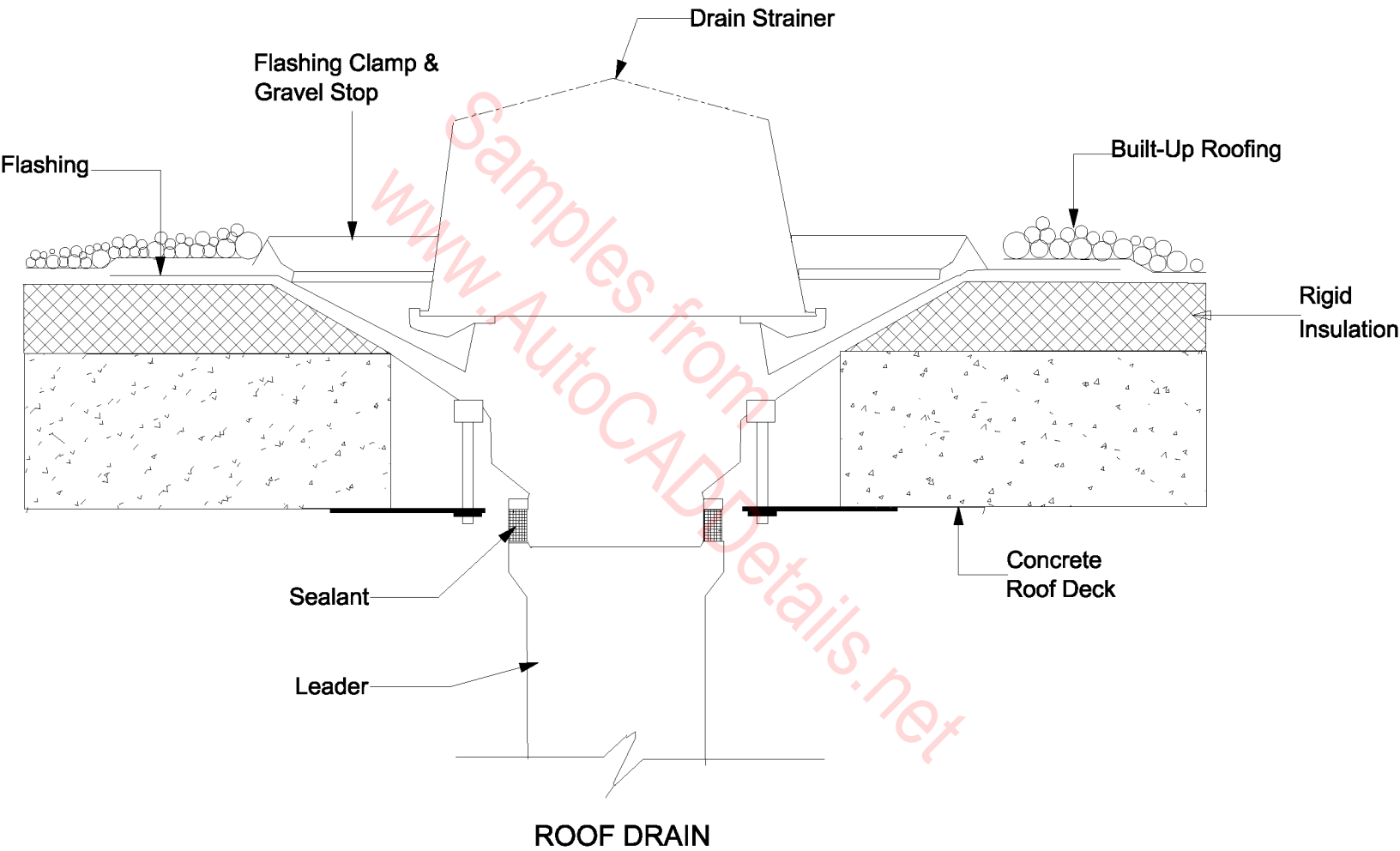
www.ArchitecturalDetails.net

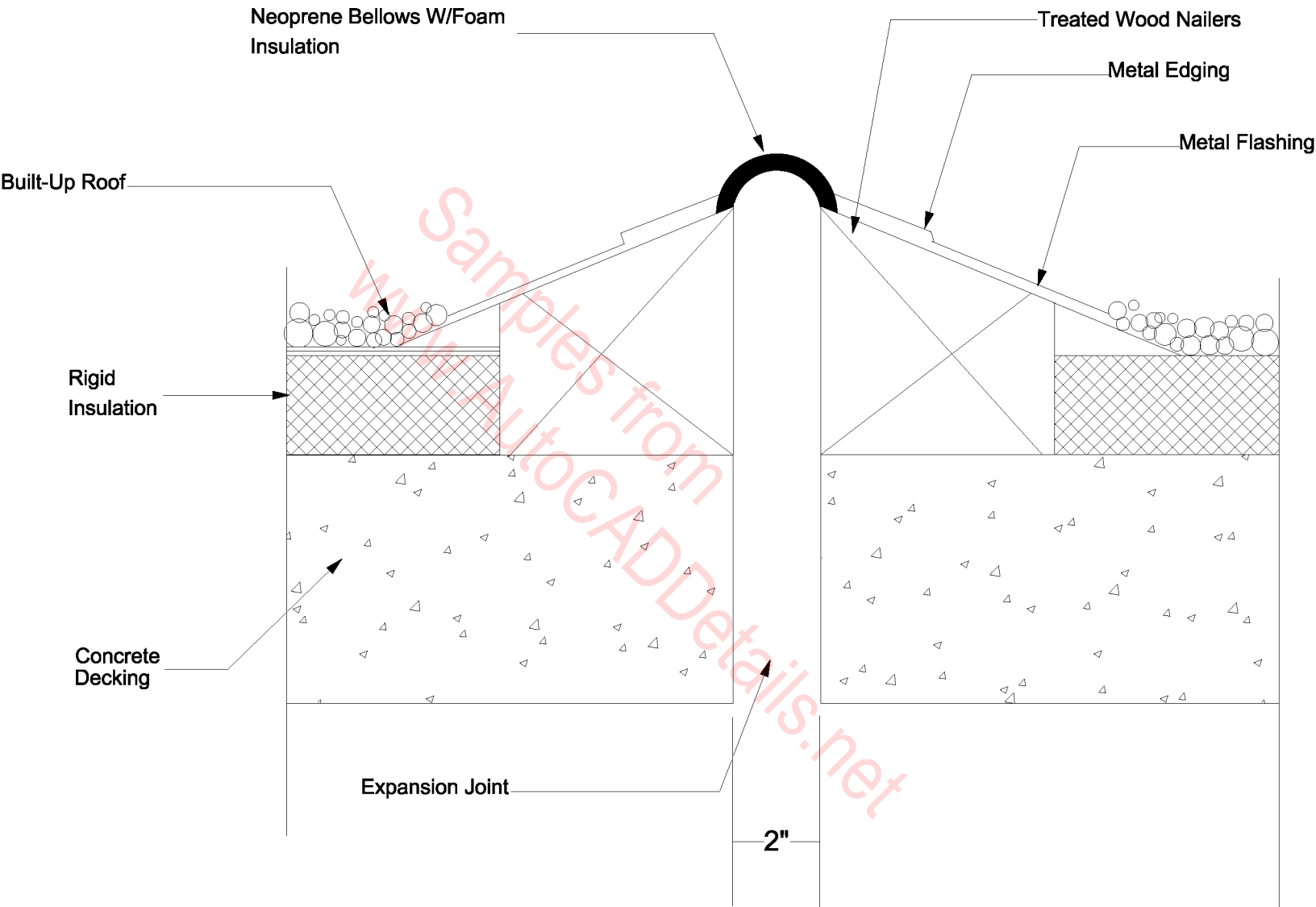




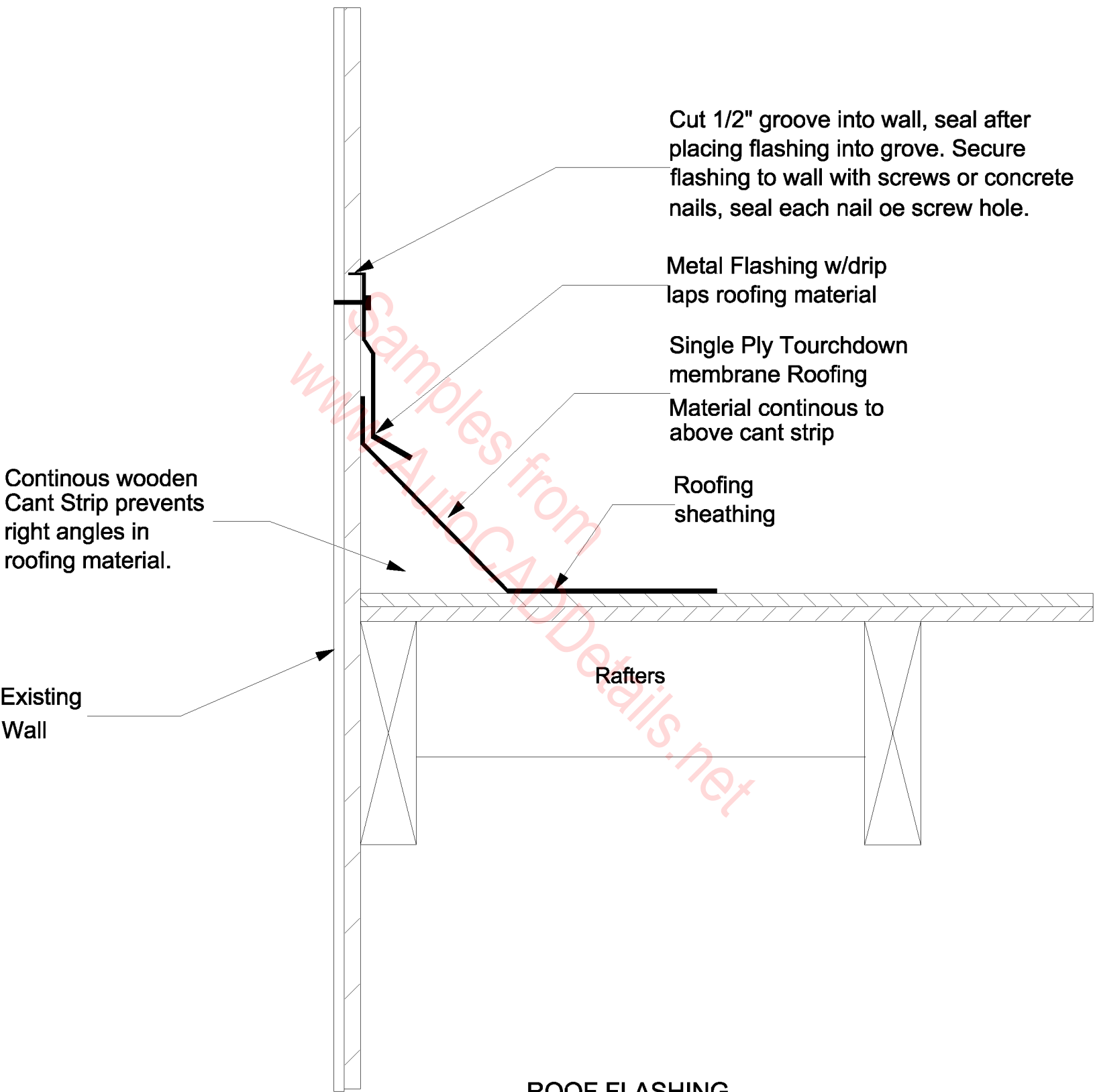


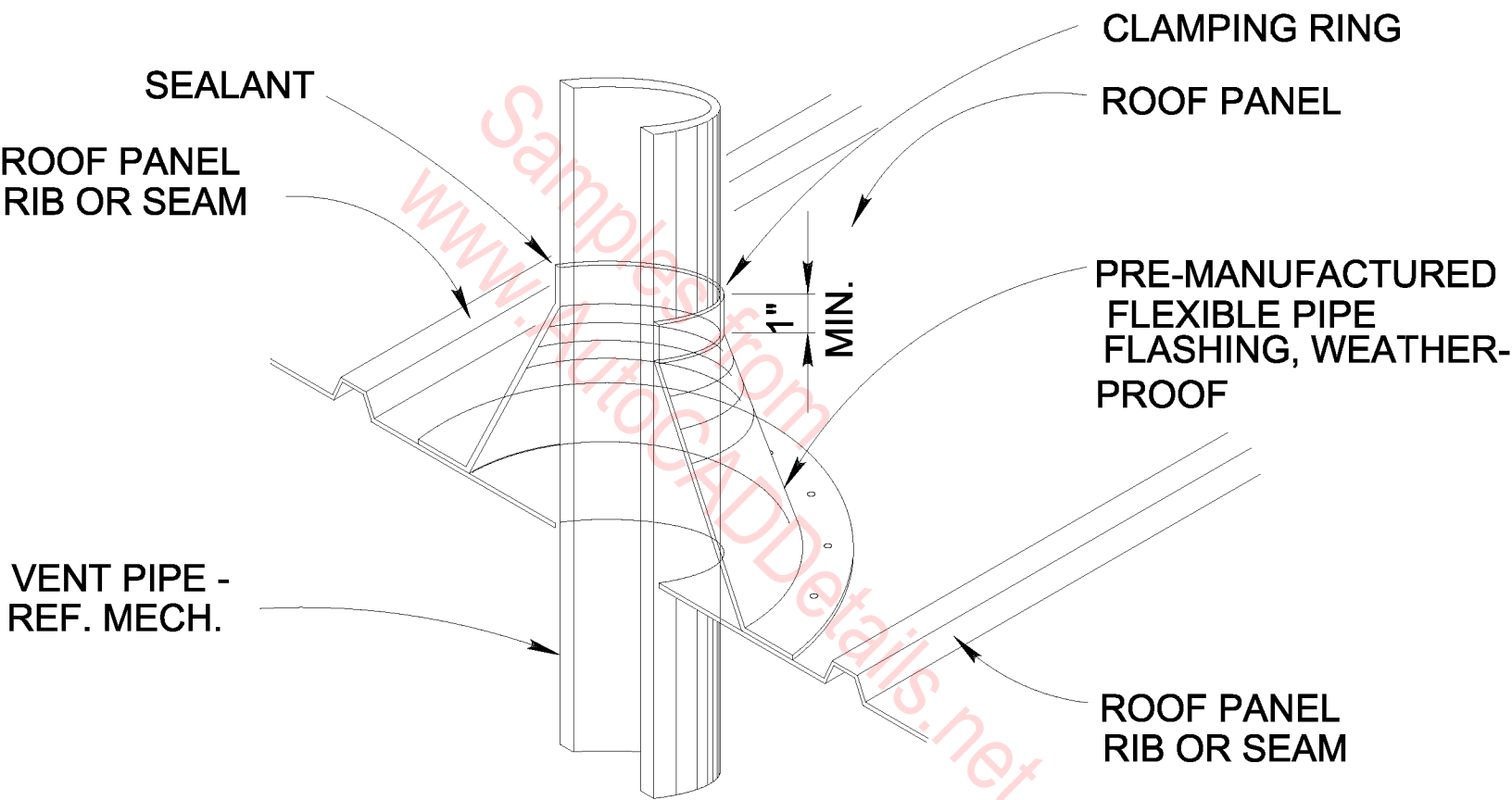
**ROOF DRAIN**  
**For Flat Roofs**





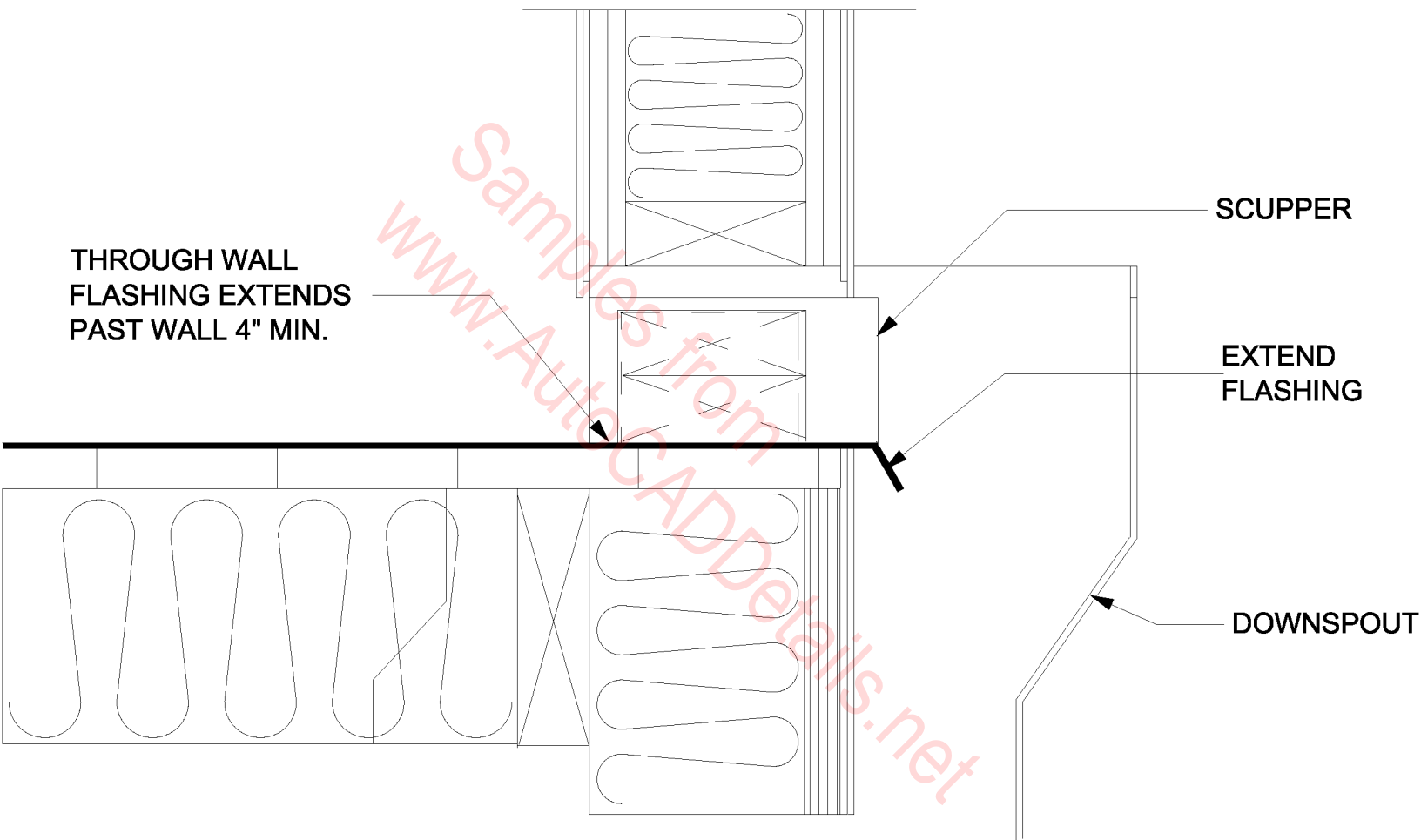
**ROOF EXPANSION JOINT**





**ROOF VENT DETAIL**

---



**SCUPPER DETAIL**

Reglet

Poured Conc. Parapet

Solder All joints

Solder All joints

Galv. Sheet Metal Overflow Scupper

Build-up Roofing

Rigid Insulation

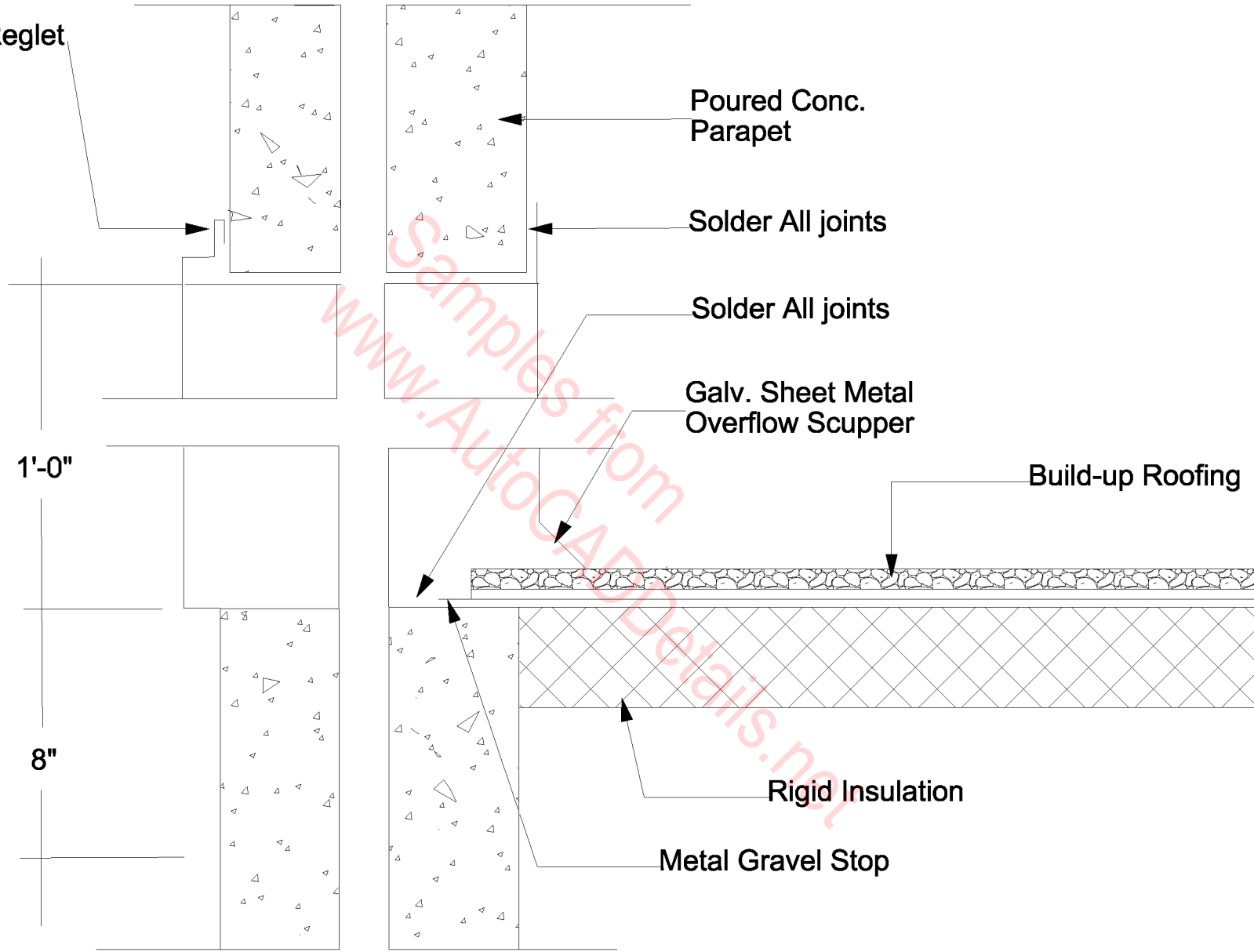
Metal Gravel Stop

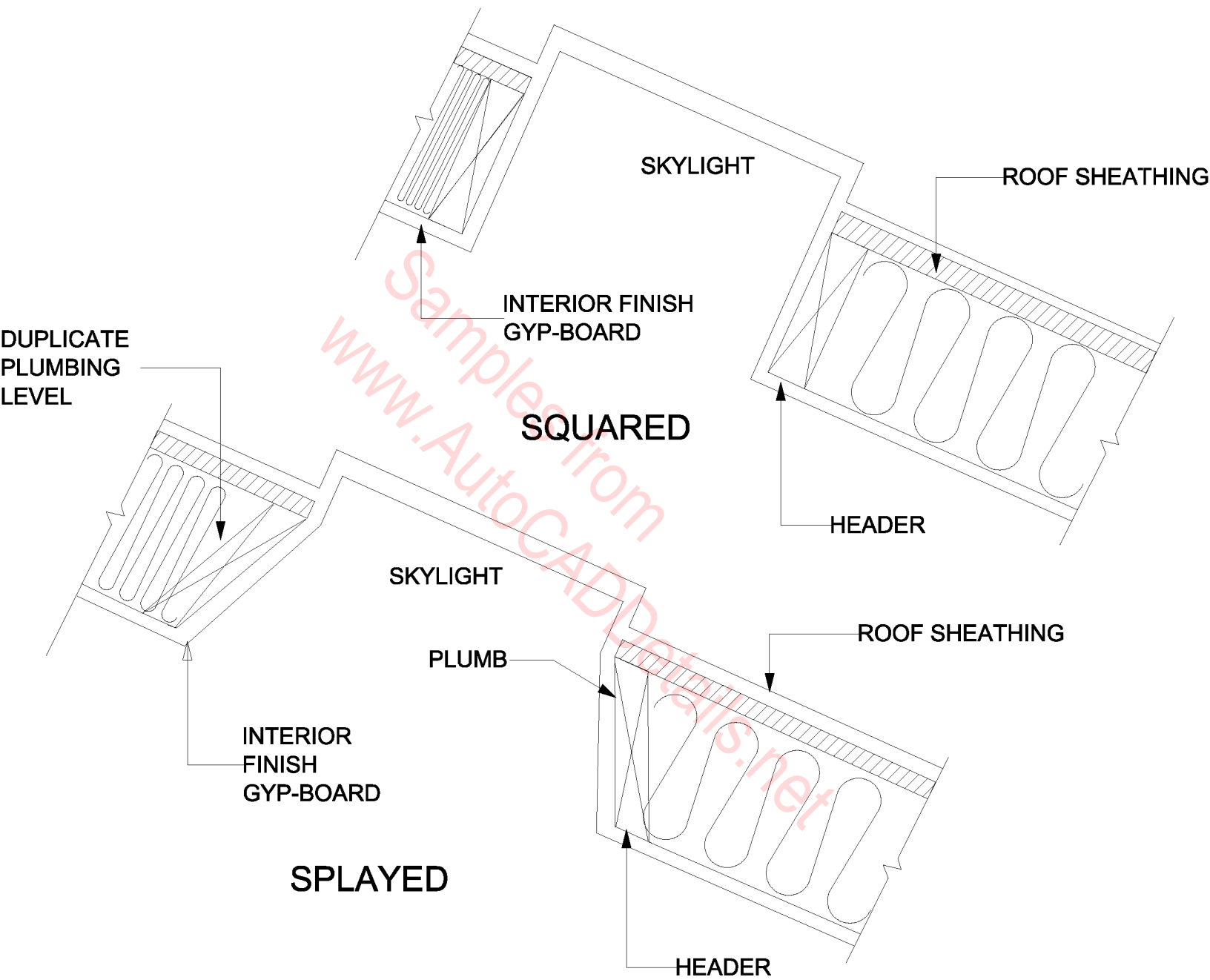
1'-0"

8"

# SCUPPER THROUGH PARAPET

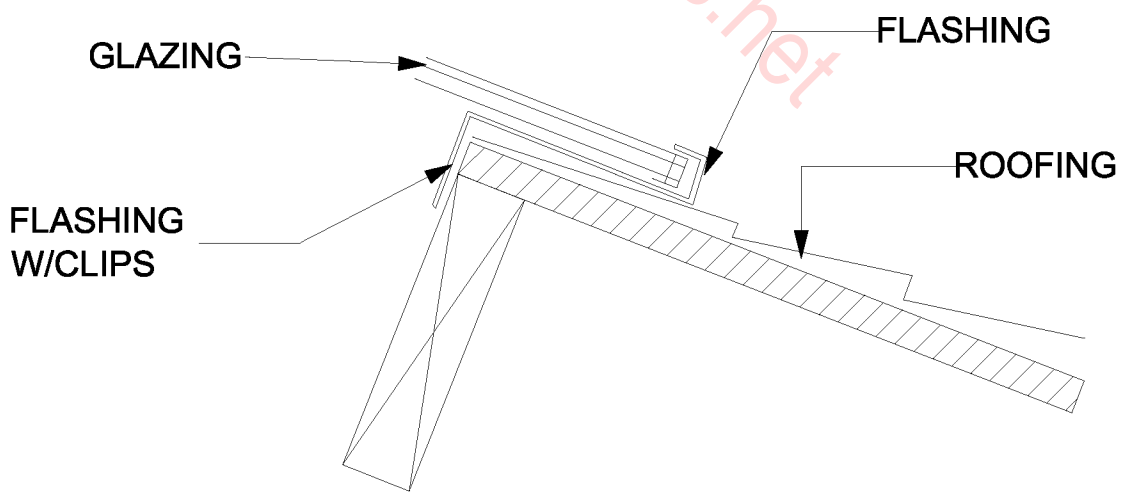
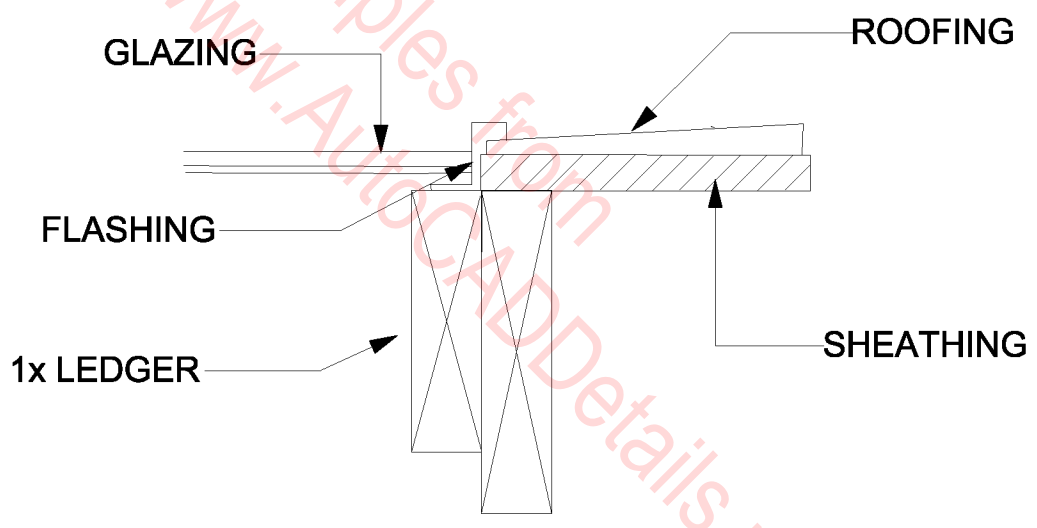
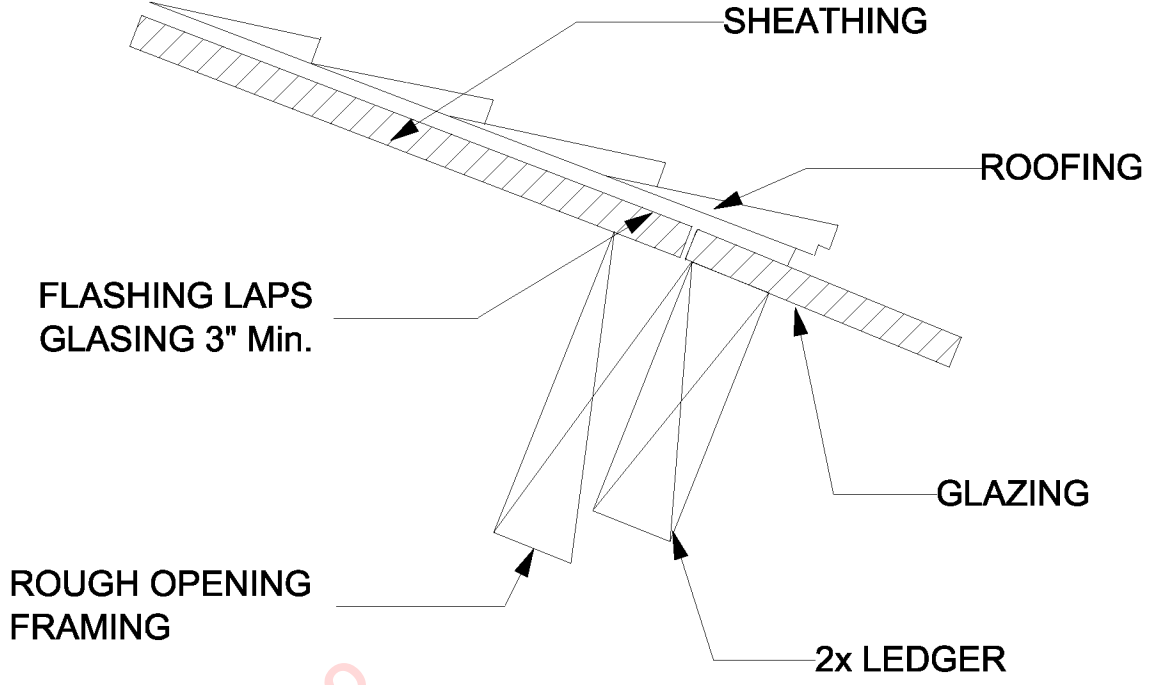
www.AutocADDetails.com



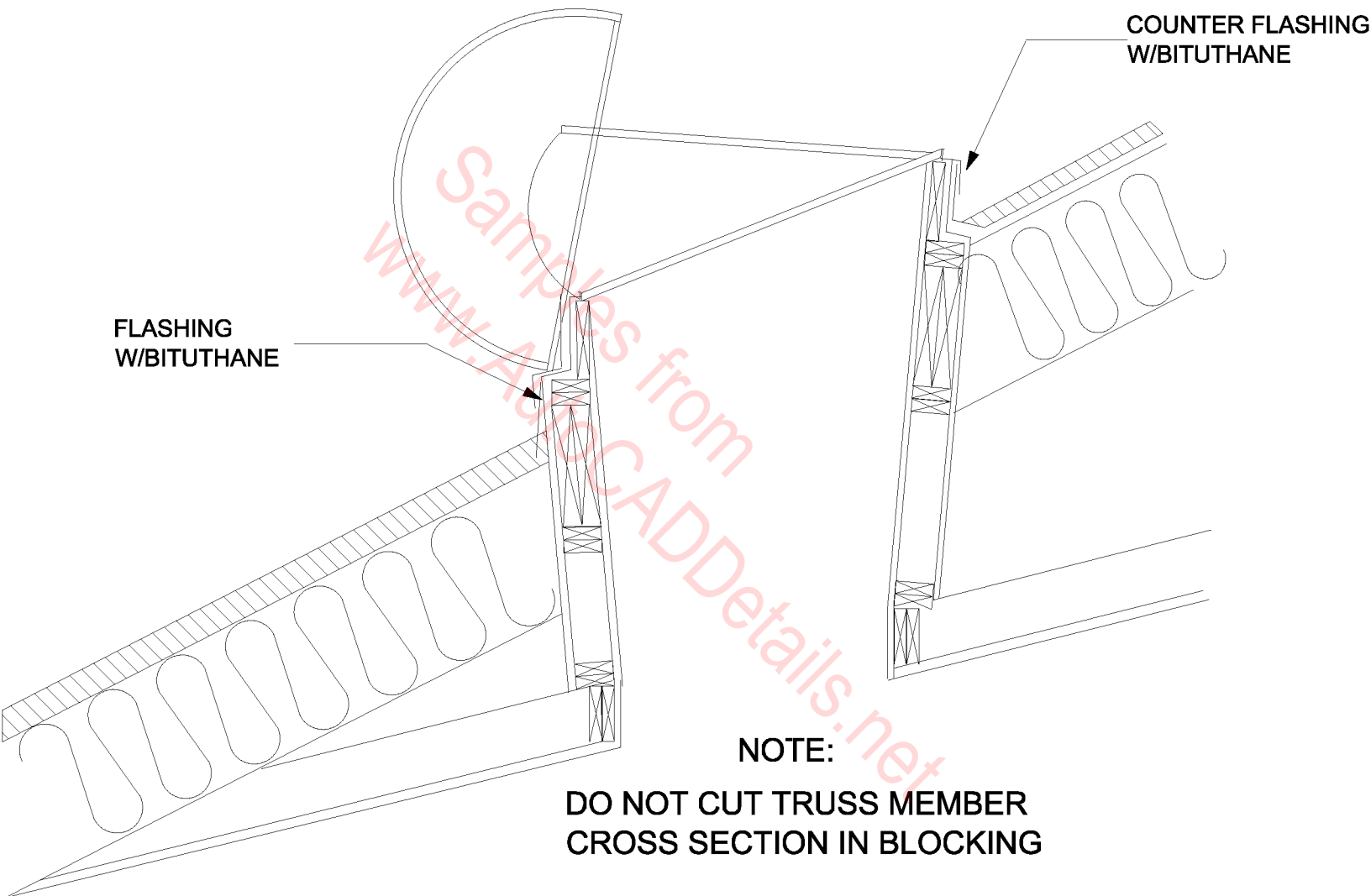


SKYLIGHT (TYPICAL)

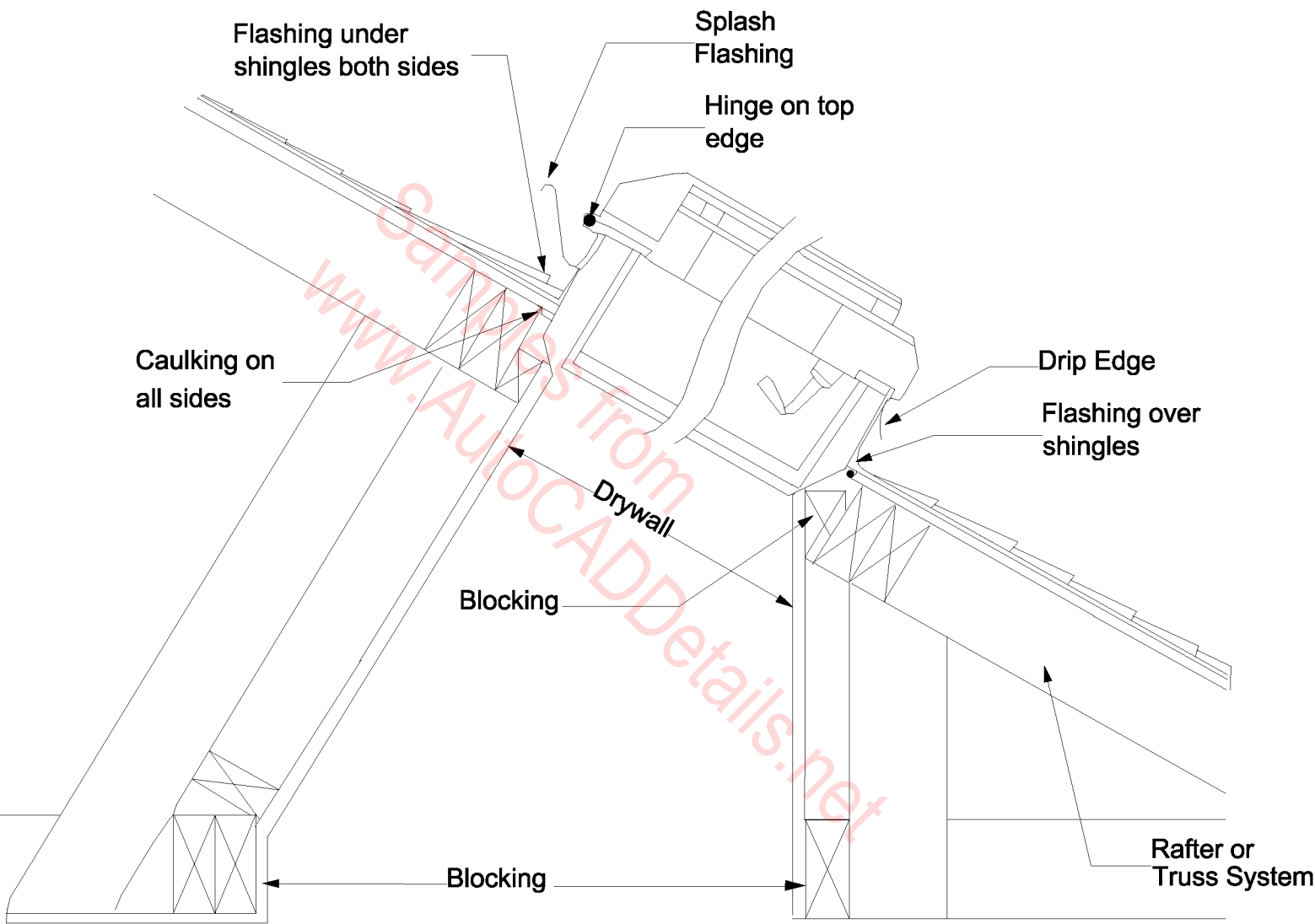




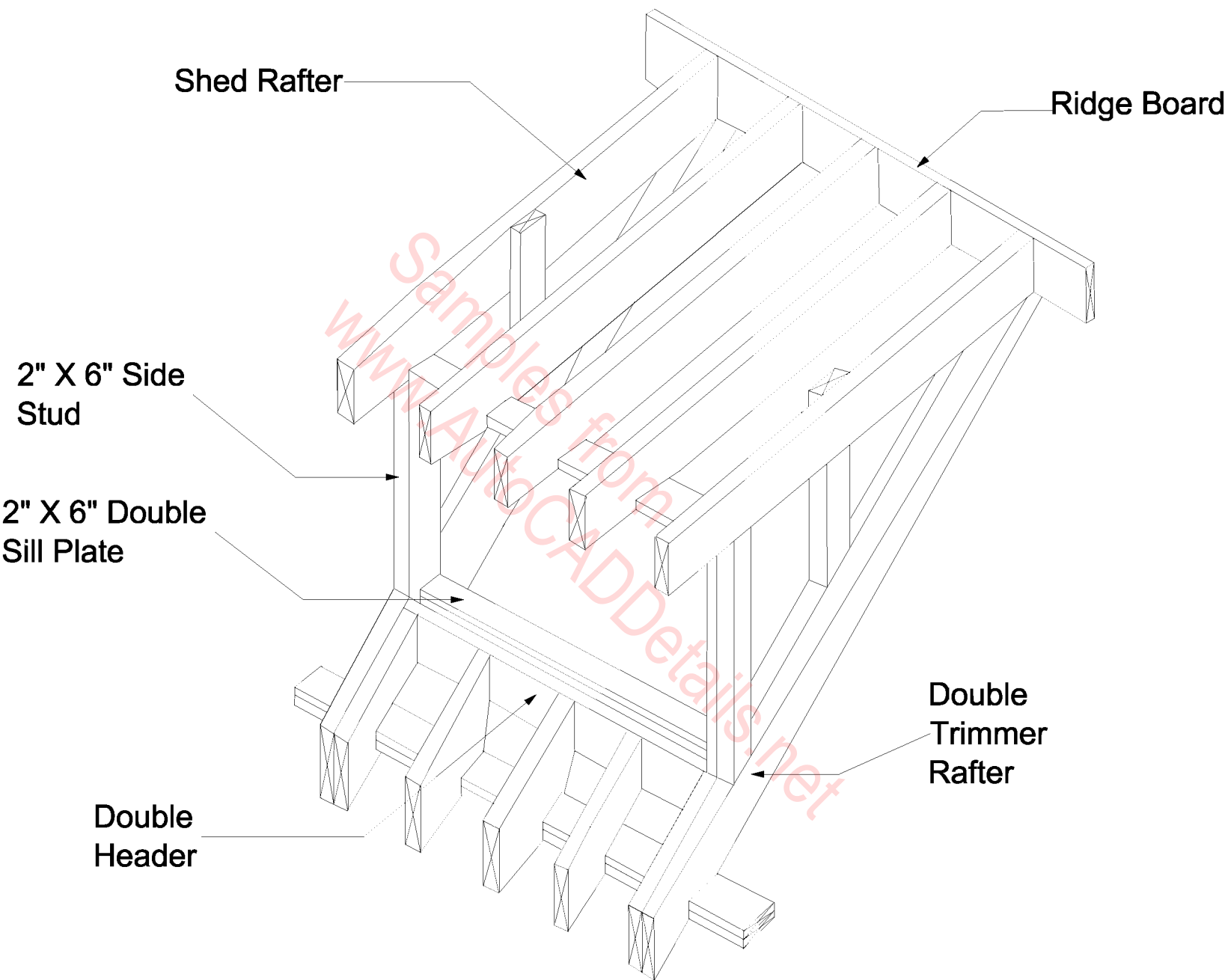
# SKYLIGHT FLASHING



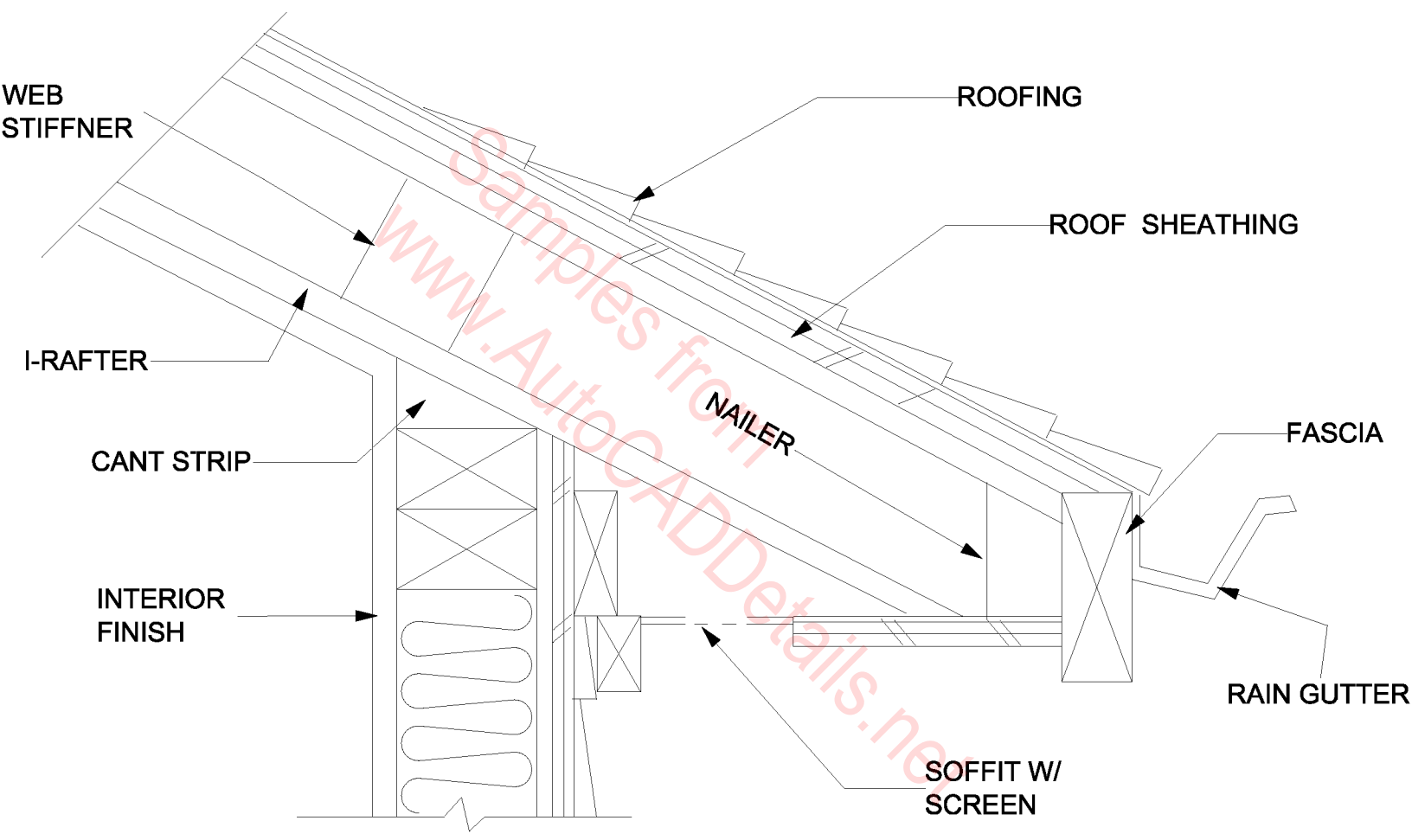
**Skylight Operable-Typical**



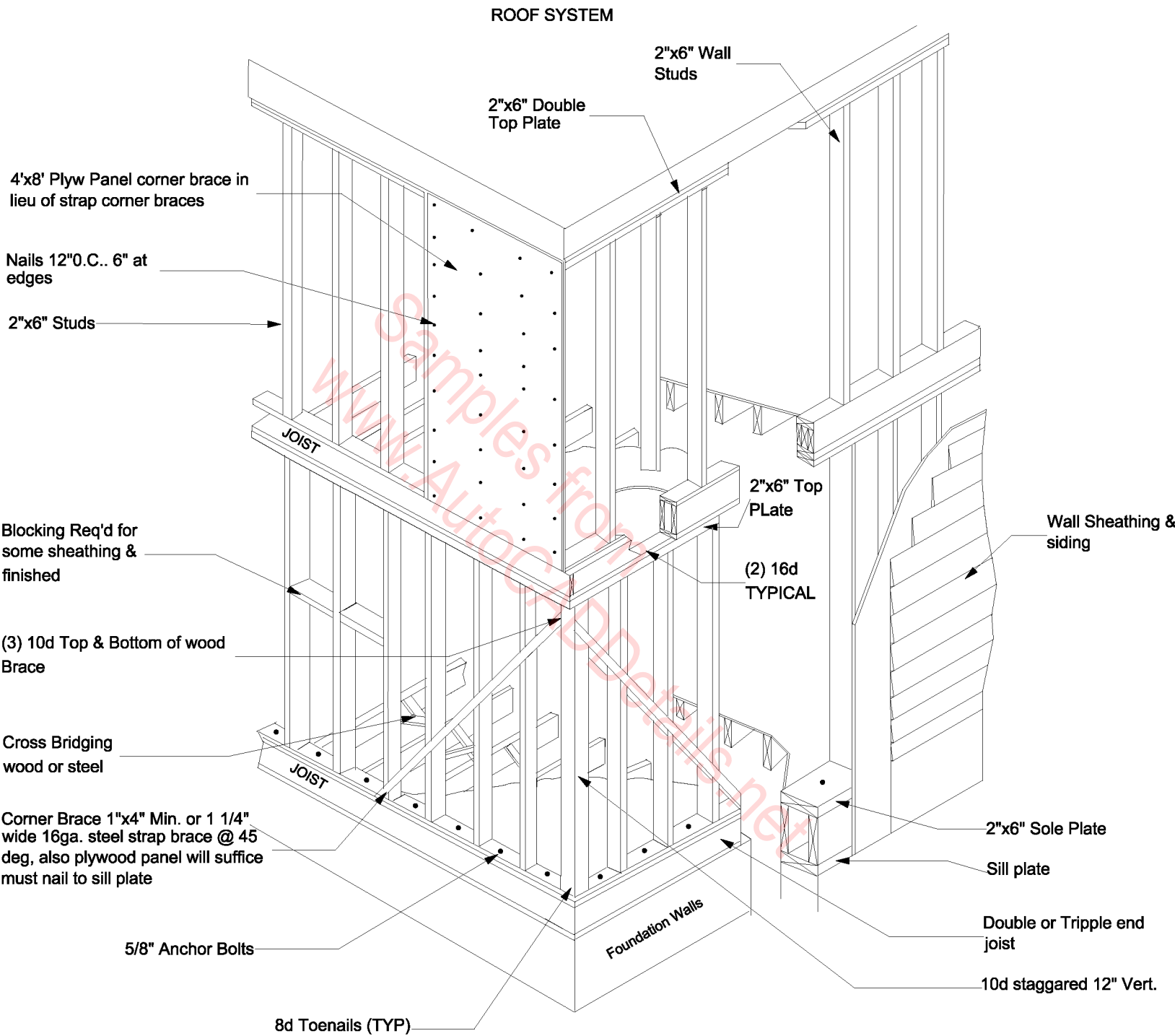
# SKYLIGHT



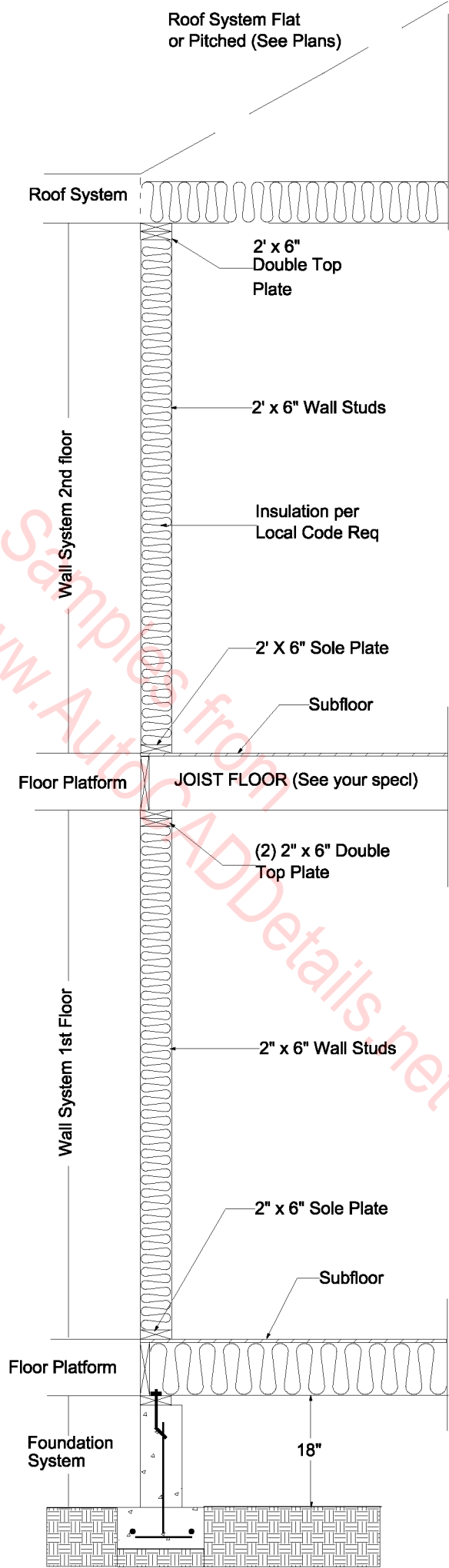
**SMALL SHED DOMER**



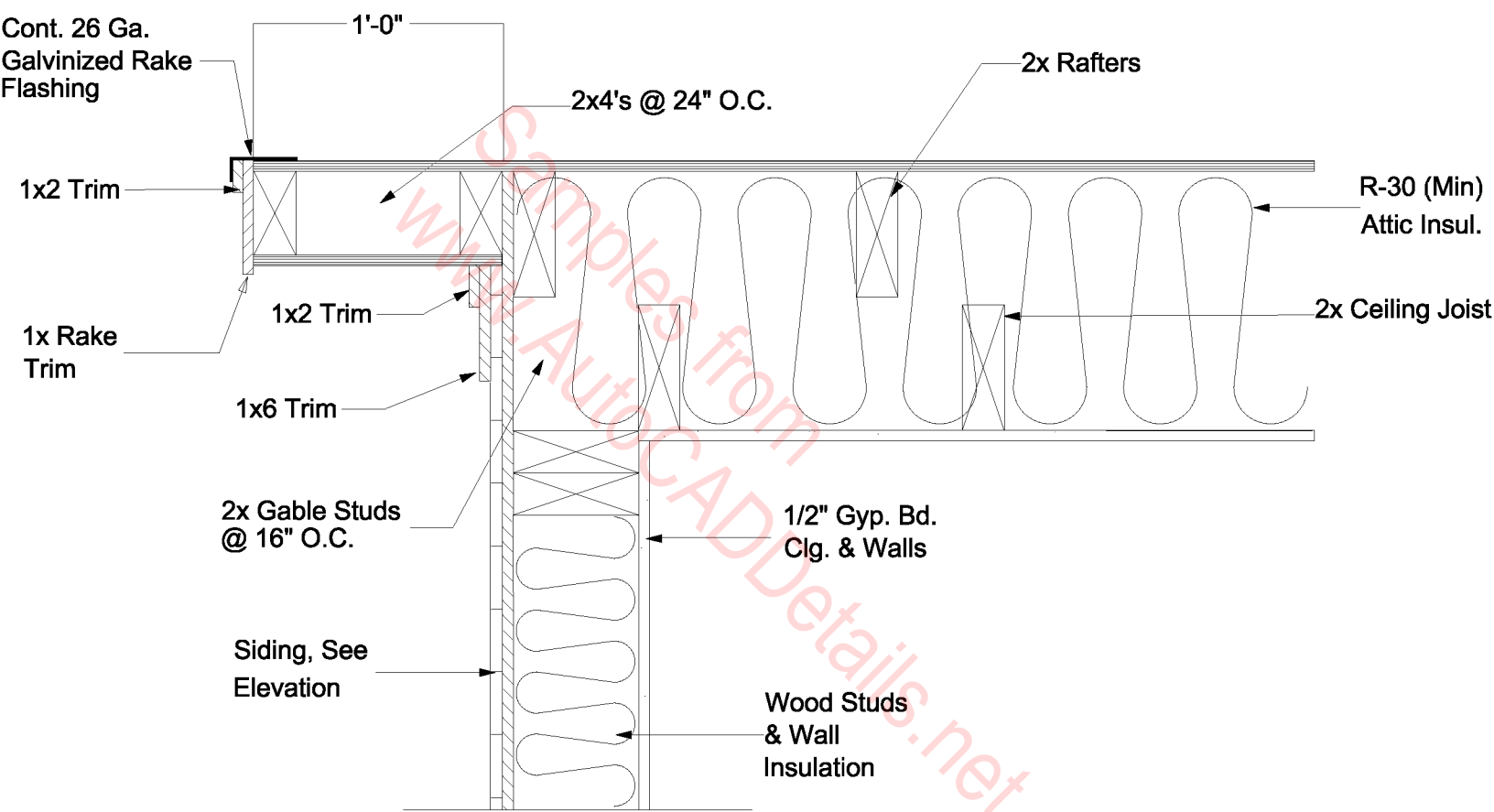
SOFFIT W/ I-BEAM



**TWO STORY EXTERIOR WALL**



**TWO STORY WALL SECTION**



**TYPICAL GABLE SOFFIT DETAIL**



ARCH 80 ROOFING  
 15# FELT, 5/8" CDX  
 2X RAFTERS & CEILING JOISTS  
 OR TRUSS, R-30 INSULATION

INSUL. BAFFLE @ EAVE VENTS

"SIMPSON" H2.5 SEISMIC CLIPS

2 X SOLID BLKG. W/ 2 X 12  
 SCREEDED VENTS @ 6' O.C.

G.I. GUTTER ON 2 X 8  
 FASCIA

R-38  
 INSULATION

SIDING  
 15# BUILDING PAPER OR TYVEK  
 CDX PLYWOOD SUBFLOOR  
 2 X 6 STUDS @ 16" O.C.  
 R-21 INSULATION  
 GYPSUM BOARD CEILING

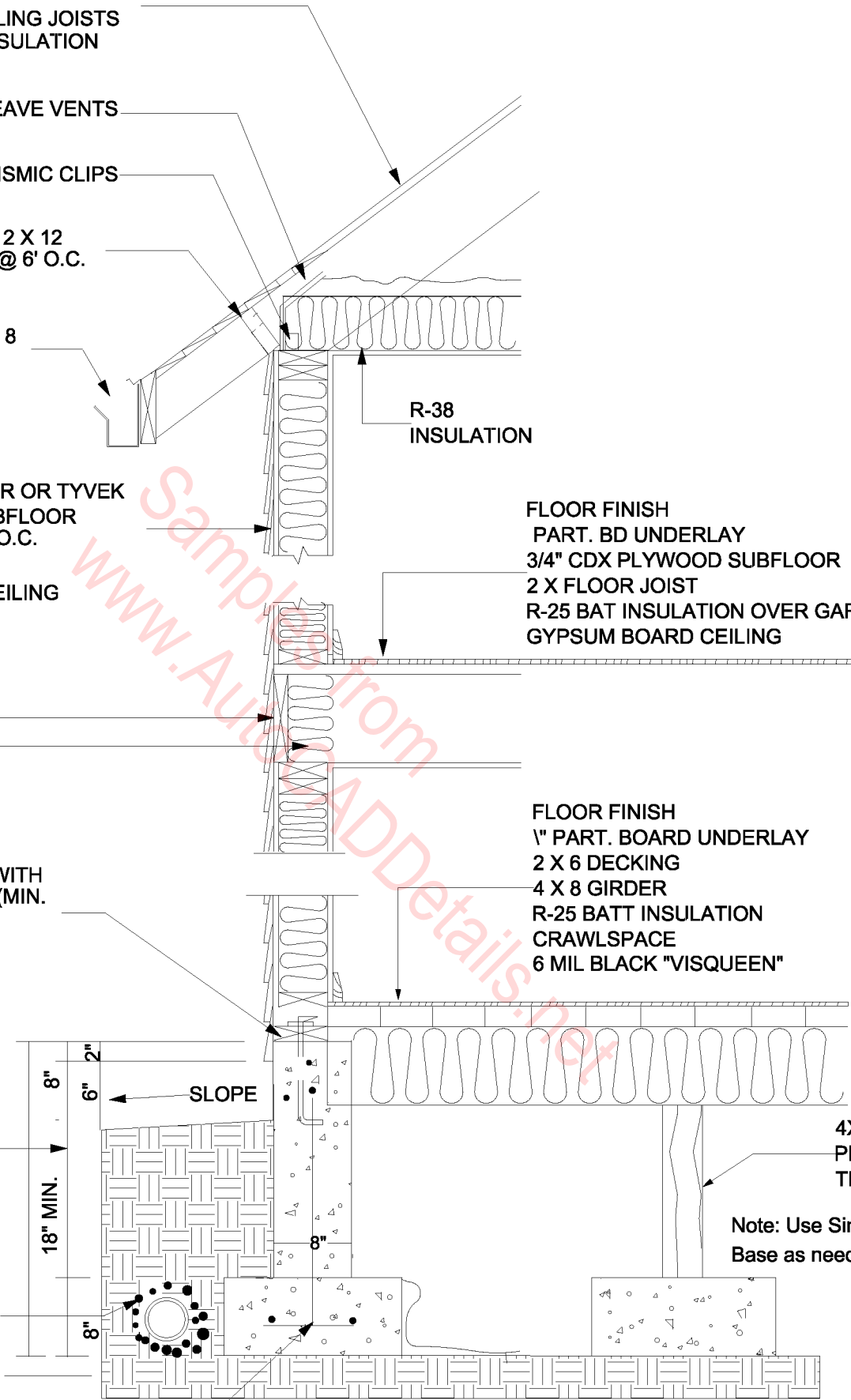
FLOOR FINISH  
 PART. BD UNDERLAY  
 3/4" CDX PLYWOOD SUBFLOOR  
 2 X FLOOR JOIST  
 R-25 BAT INSULATION OVER GARAGE  
 GYPSUM BOARD CEILING

2 X RIM JOIST  
 R-21 INSULATION

FLOOR FINISH  
 1/2" PART. BOARD UNDERLAY  
 2 X 6 DECKING  
 4 X 8 GIRDER  
 R-25 BATT INSULATION  
 CRAWLSPACE  
 6 MIL BLACK "VISQUEEN"

2 X 6 P.T. MUDDSILL WITH  
 5/8"-A.B. @ 48" O.C. (MIN.  
 AND WITHIN 12"  
 OF ANY CORNER)

Sample from  
 www.AutocADDetails.com



4X4 POST  
 PRESS.  
 TRTD.

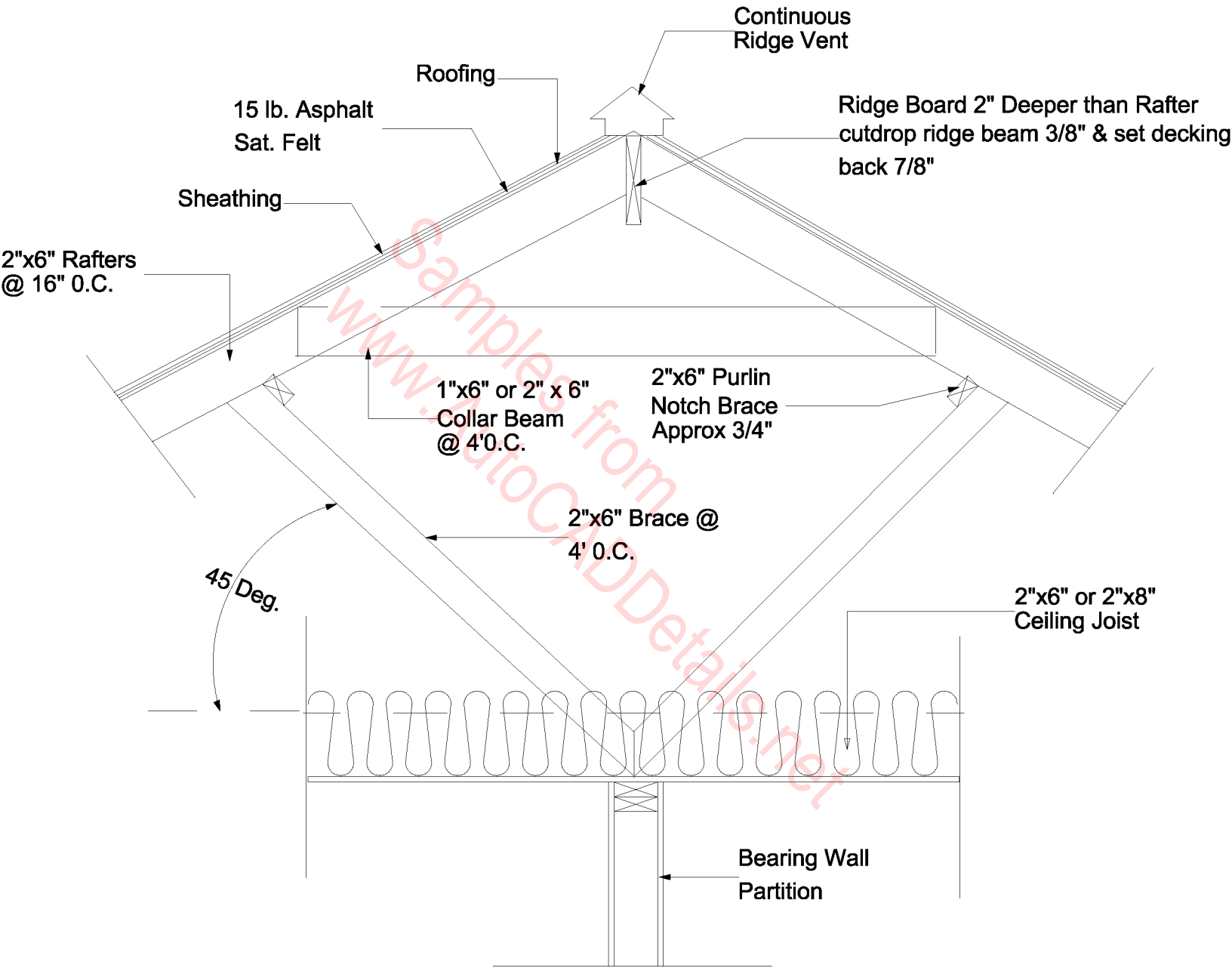
Note: Use Simpson Post Cap &  
 Base as needed

(24" IF 3 STORY)

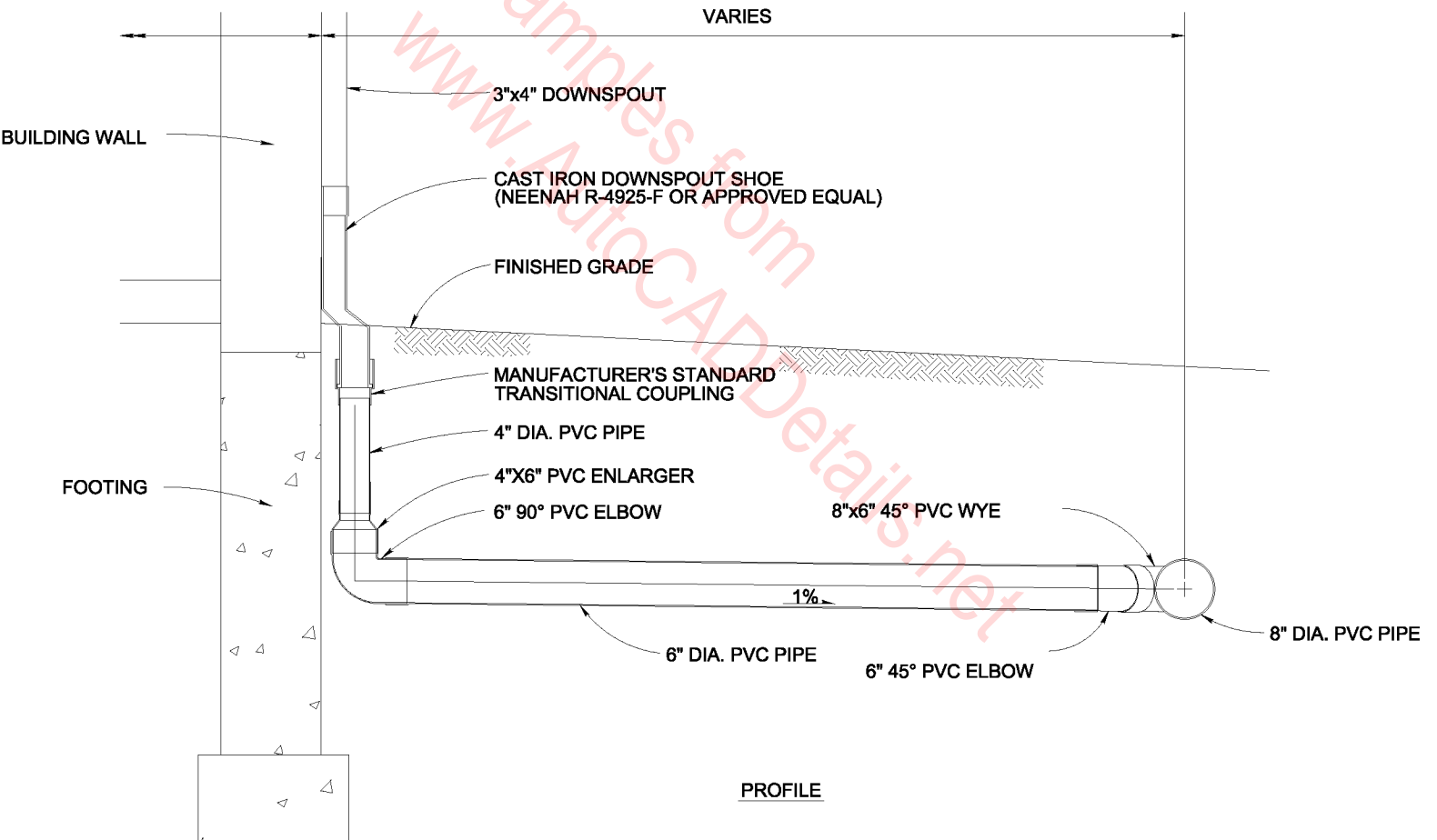
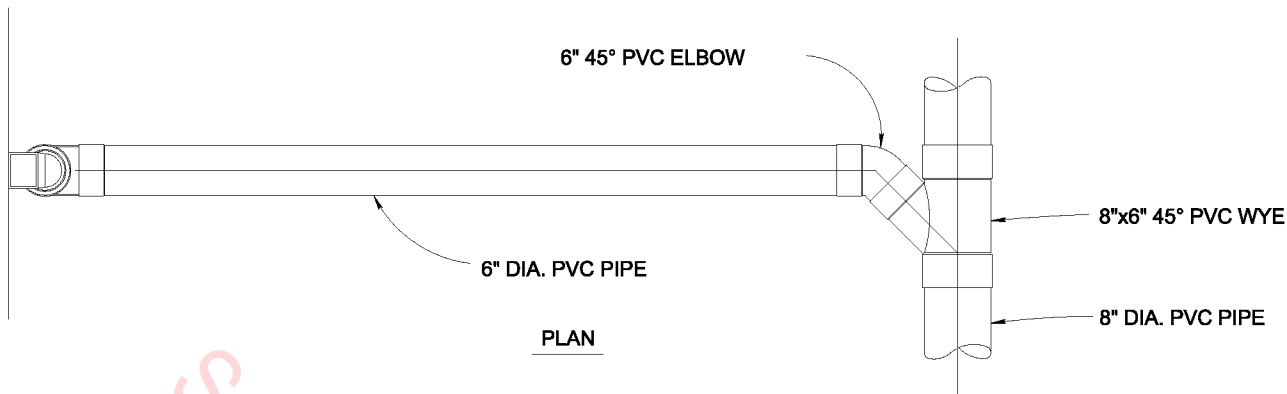
4" PERFORATED DRAIN  
 PIPE. 3/4" RIVER  
 ROCK MAYBE REQUIRED  
 OVER PIPE. PLUS FILTER  
 FABRIC OVER ROCK.

(2) #4 REBAR TO RUN CONTINUES  
 THROUGHOUT FTG. (HORIZ.)  
 (1) #4 REBAR (VERT) @ 30" O.C.

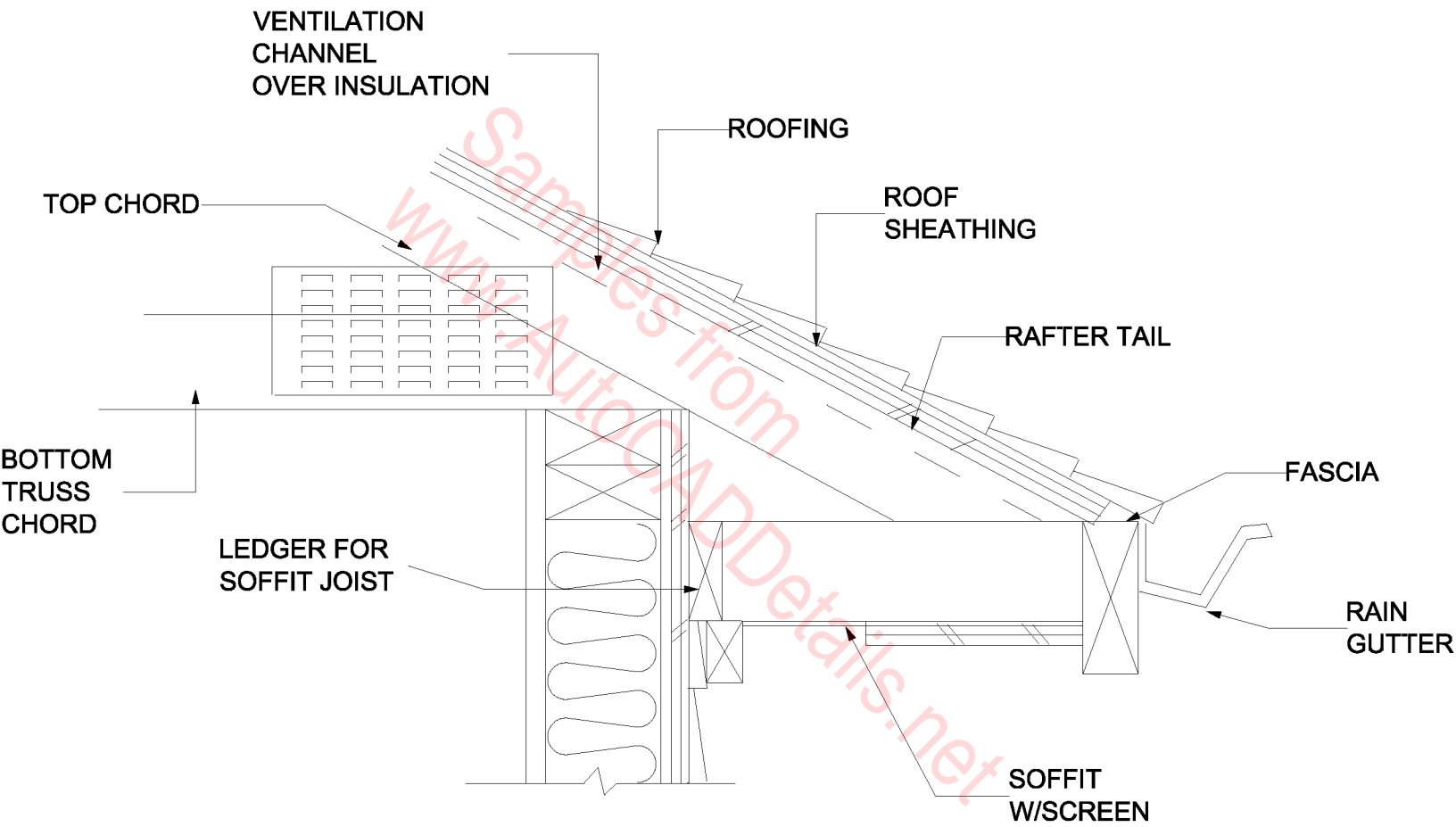
# POST & BEAM/WALL SECTION



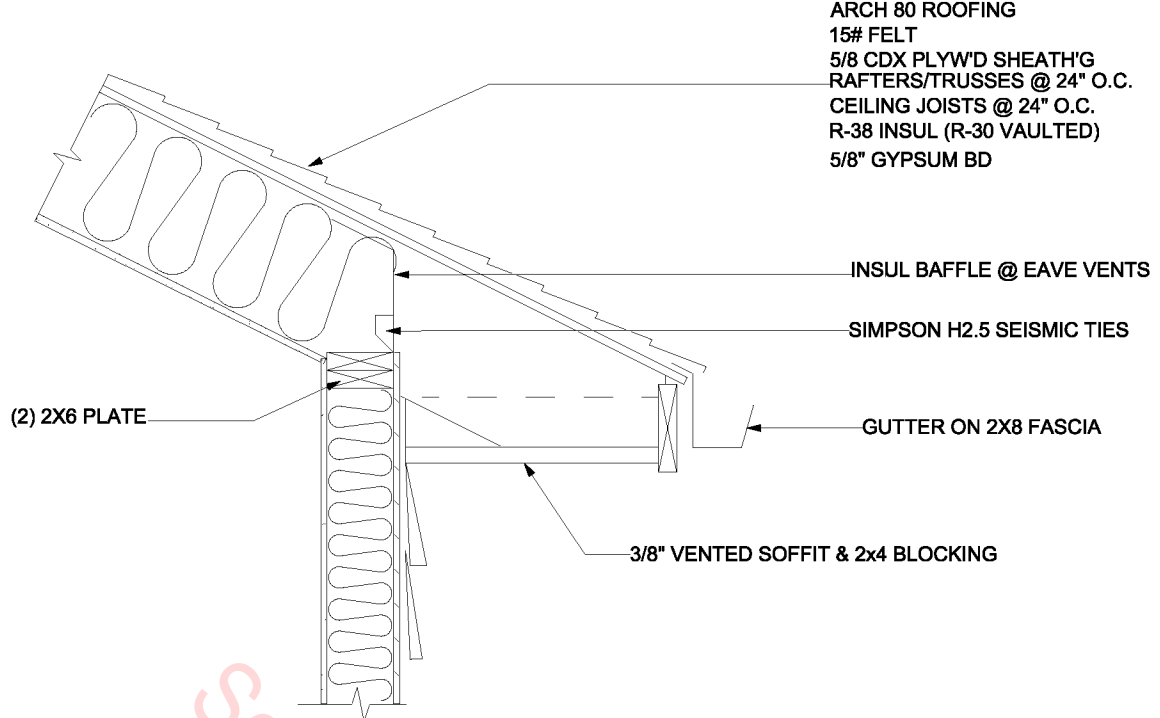
TYPICAL ROOF BRACING



**TYPICAL ROOF DRAIN DETAIL**

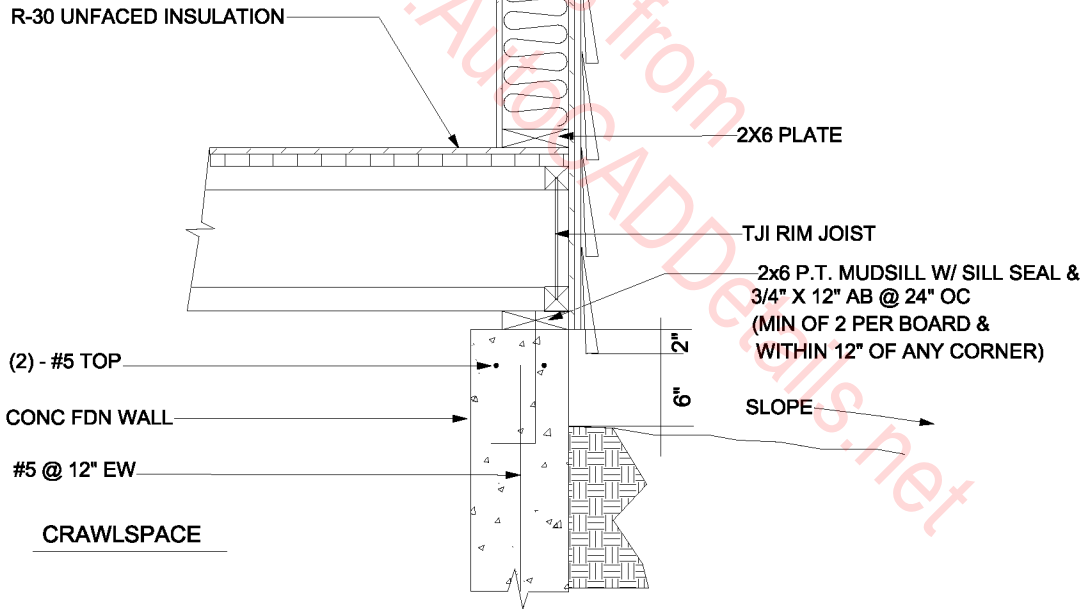


TYPICAL TRUSS-SOFFIT

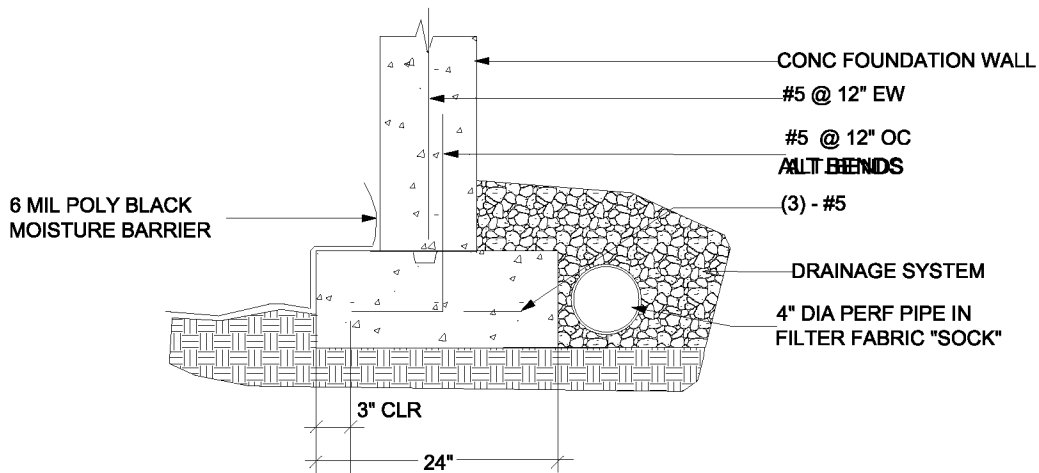


**HOUSE**

FLOOR FINISH  
 7/16" PART BD UNDERLAY  
 3/4" T&G STURDI-FLOOR DECKING  
 JOISTS (SEE PLAN)  
 R-30 UNFACED INSULATION



**CRAWLSPACE**



**TYP WALL SECTION 1 STORY**

MASONITE WOOD-ROOF  
 10" EXPOSURE)  
 30# FELT EACH COURSE  
 5/8" CDX PLYWOOD SHEETING  
 BCI/TGI RAFTERS/TRUSSES IN VAULTED AREAS  
 5/8" GYPSUM BD CEILING.

INSUL. BAFFLE @ EAVE VENTS

"SIMPSON" H2.5  
 SEISMIC CLIPS

2 X SOLID BLKG.  
 W/ 2 X 12  
 SCREENED  
 VENTS @ 6' O.C.

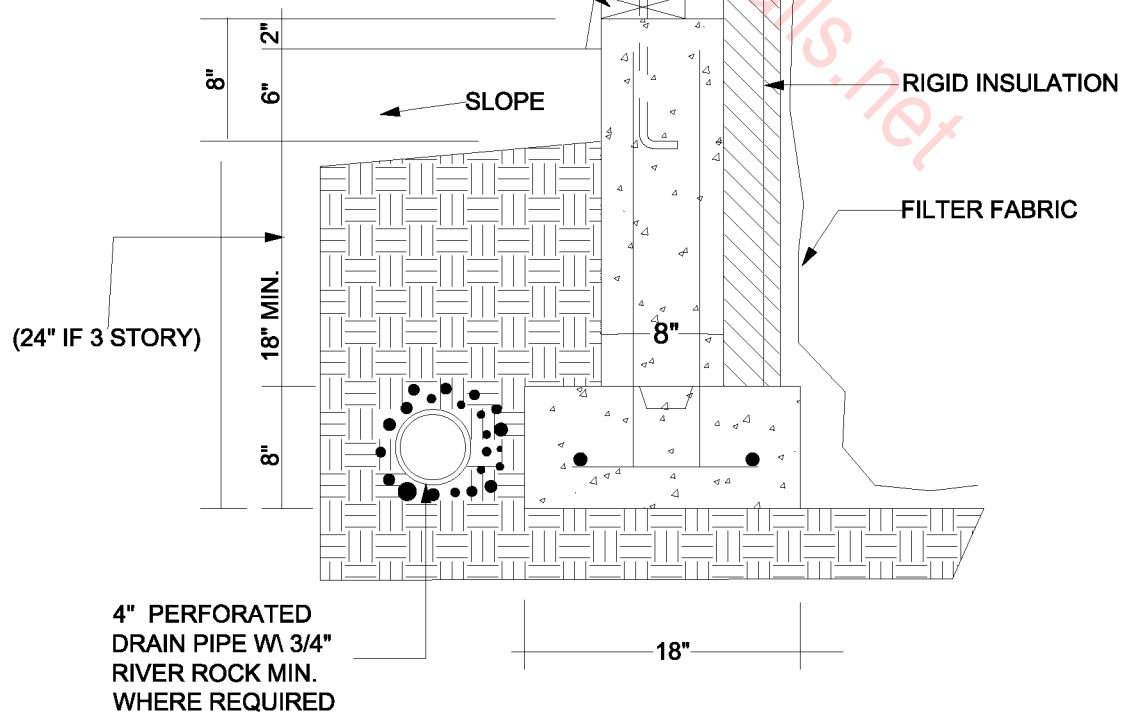
ALL GUTTER  
 ON 2X8  
 CEDAR FACIA

SIDING (SEE ELEVATIONS)  
 15# BLDG PAPER OR TYVEK  
 3/4" CDX SHEETHING  
 2/6 STUDS ON 24" CENTERS  
 R-21 BATT INSULATION  
 1/2" GYPSUM BOARD

R-38  
 BLOWN-IN  
 INSULATION

FLOOR FINISH  
 1/2" PARTICAL BOARD IN VINYL AREAS  
 1 1/8" 2-4-1 SUBFLOOR  
 BCI OR TGI FLOOR JOIST  
 R-25 BATT FLOOR INSULATION  
 CRAWLSPACE  
 6 MIL BLACK "VISQUEEN"

2 X 6 P.T. MUDSILL WITH  
 5/8" A.B. @ 48" O.C. (MIN.  
 AND WITHIN 12" OF ANY  
 CORNER)



TYP. WALL SECTION

MASONITE WOOD-ROOF  
 10" EXPOSURE)  
 30# FELT EACH COURSE  
 5/8" CDX PLYWOOD SHEETING  
 BCI/TGI RAFTERS/TRUSSES IN VAULTED AREAS  
 5/8" GYPSUM BD CEILING.

INSUL. BAFFLE @ EAVE VENTS

"SIMPSON" H2.5  
 SEISMIC CLIPS

2 X SOLID BLKG.  
 W/ 2 X 12  
 SCREENED  
 VENTS @ 6' O.C.

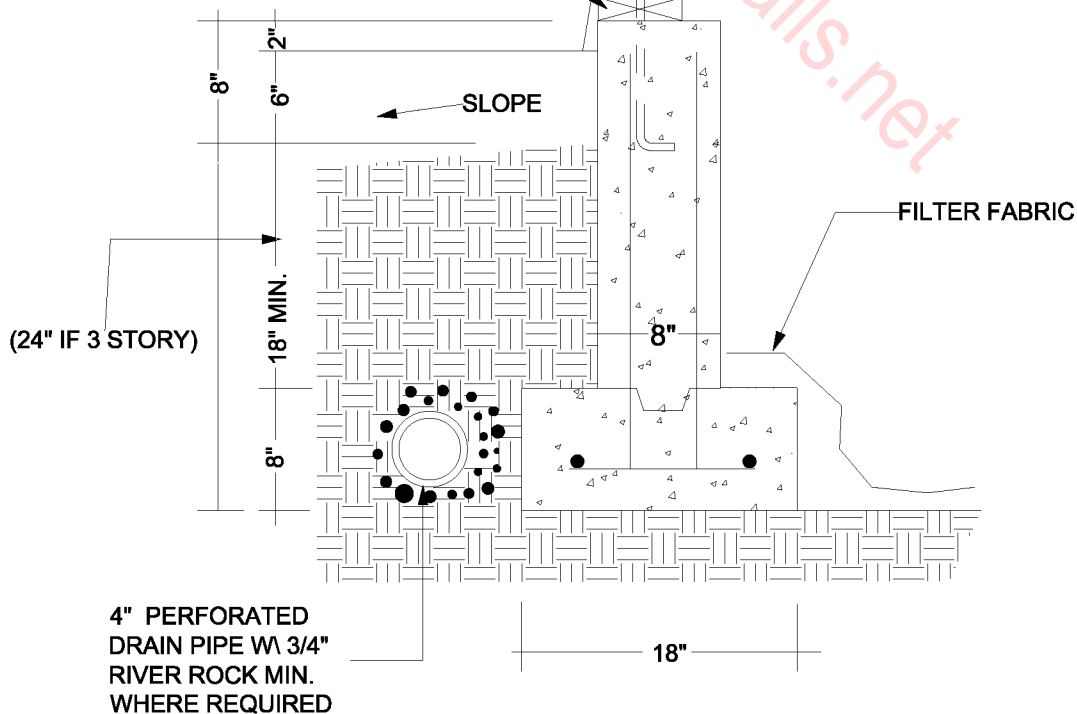
ALL GUTTER  
 ON 2X8  
 CEDAR FACIA

SIDING (SEE ELEVATIONS)  
 15# BLDG PAPER OR TYVEK  
 3/4" CDX SHEETHING  
 2/6 STUDS ON 24" CENTERS  
 R-21 BATT INSULATION  
 1/2" GYPSUM BOARD

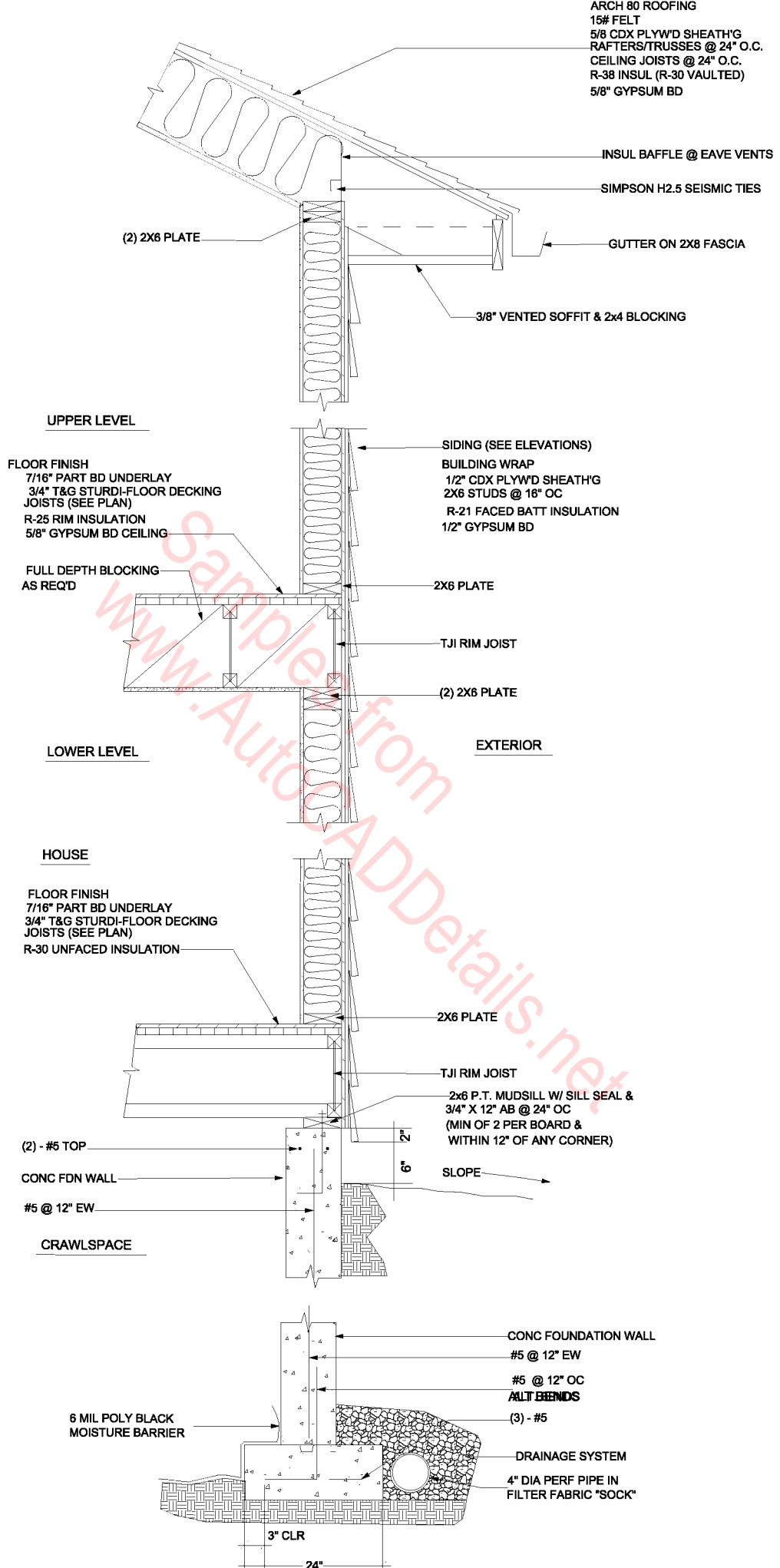
R-38  
 BLOWN-IN  
 INSULATION

FLOOR FINISH  
 1/2" PARTICAL BOARD IN VINYL AREAS  
 1 1/8" 2-4-1 SUBFLOOR  
 BCI OR TGI FLOOR JOIST  
 R-25 BATT FLOOR INSULATION  
 CRAWLSPACE  
 6 MIL BLACK "VISQUEEN"

2 X 6 P.T. MUDSILL WITH  
 5/8" A.B. @ 48" O.C. (MIN.  
 AND WITHIN 12" OF ANY  
 CORNER)

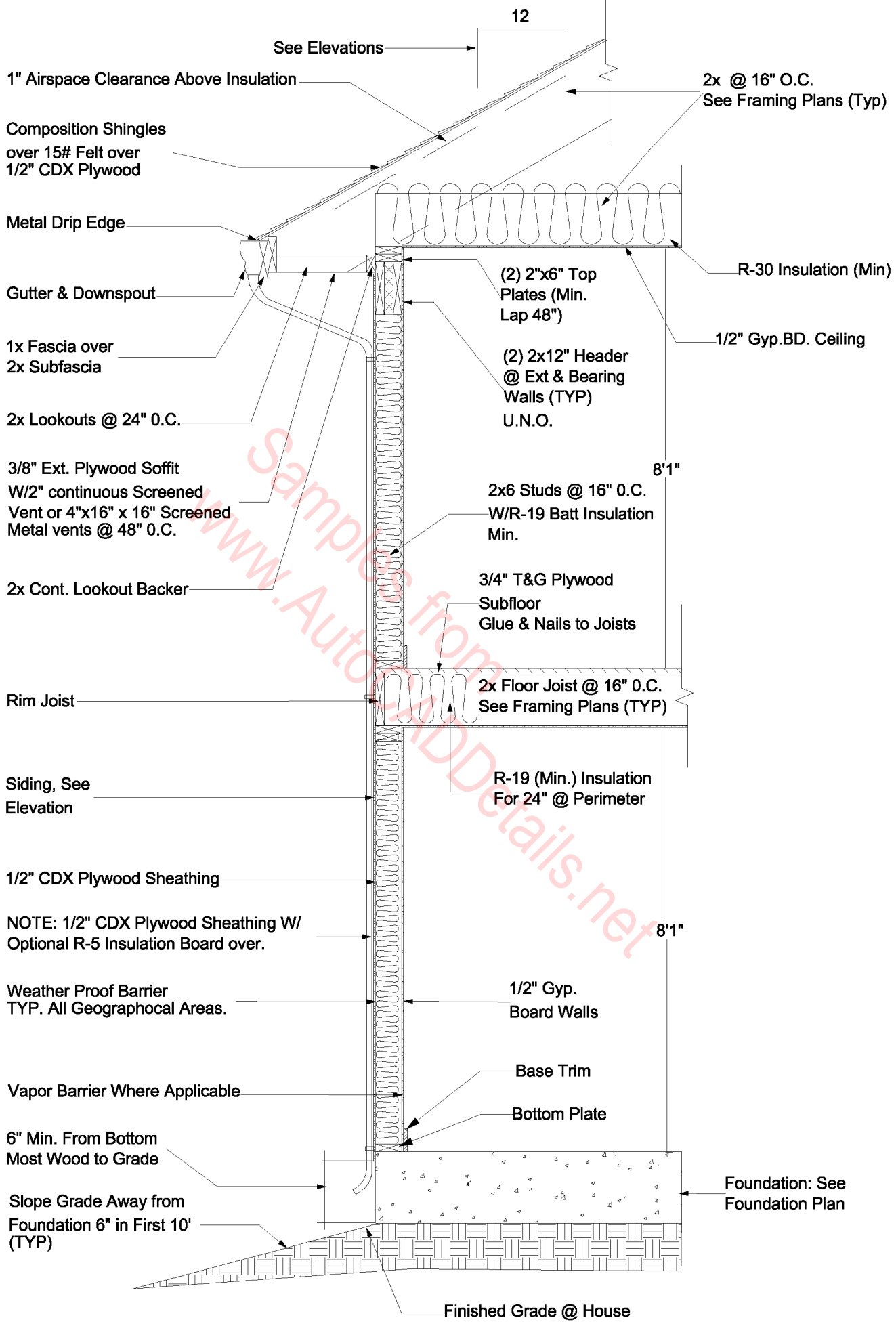


TYP. WALL SECTION

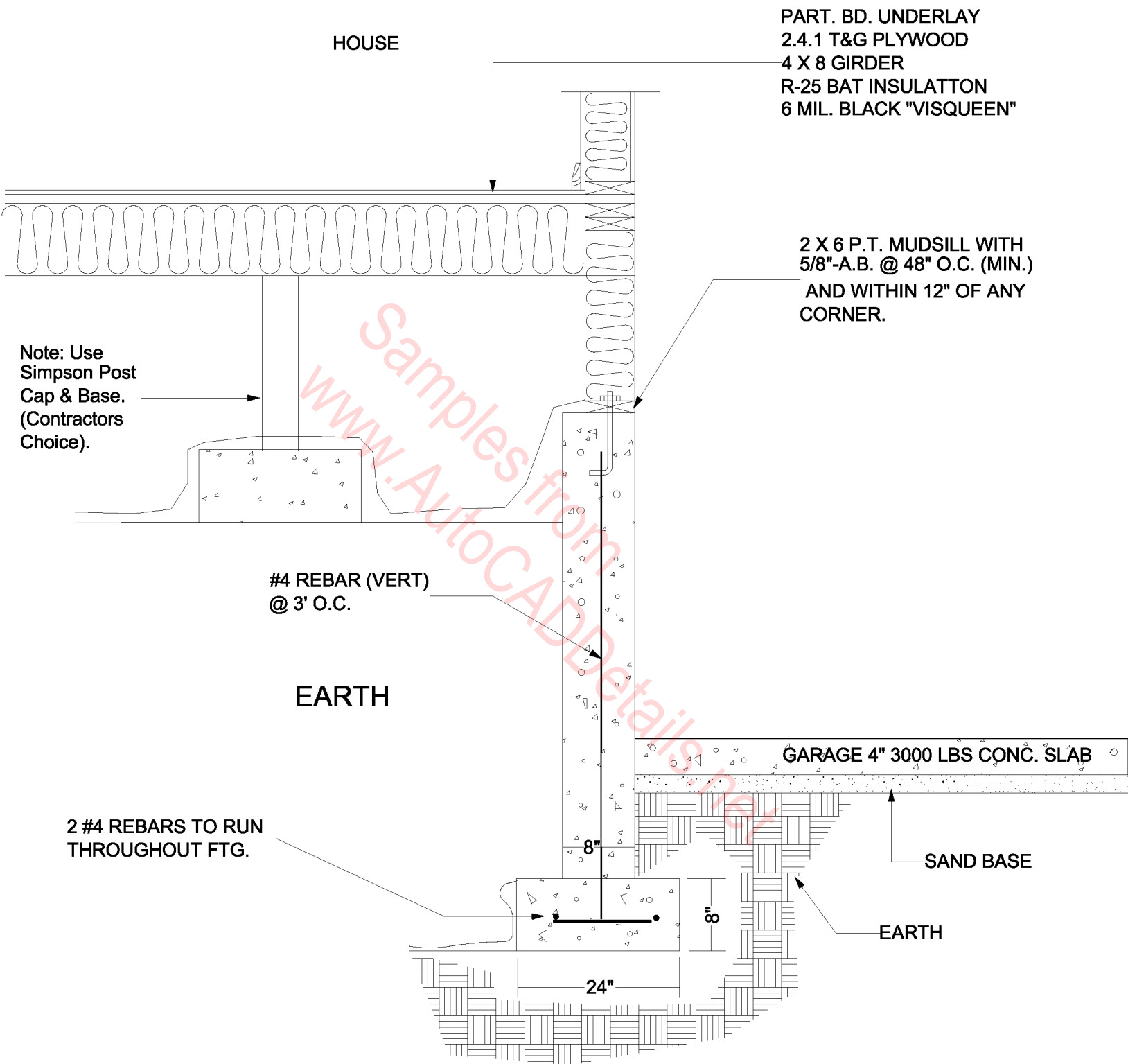


TYP WALL SECTION 2 STORY

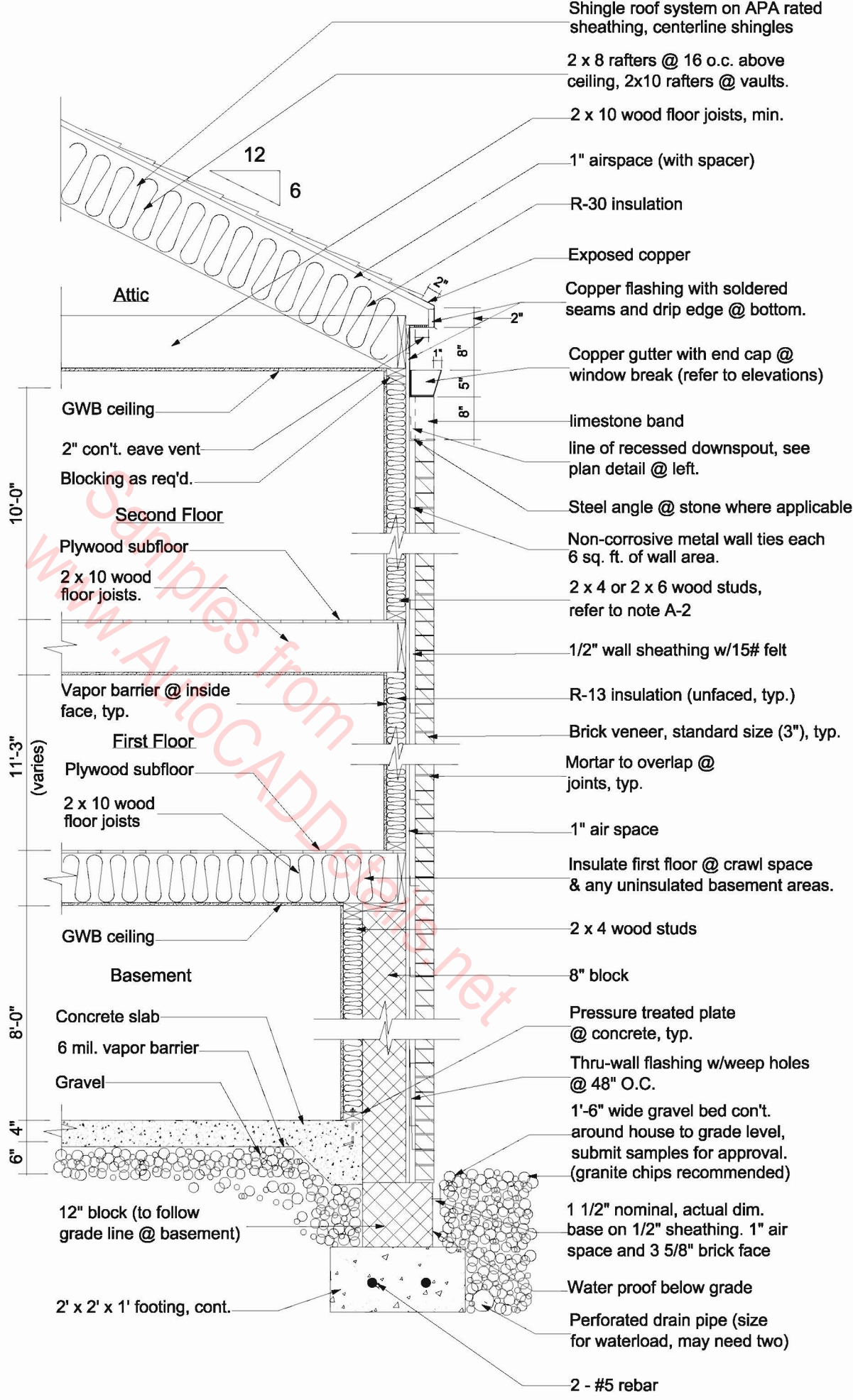




**TYPICAL WALL SECTION  
(2 Story)**



TYP. WALL SECTION



# Typical Wall Section

3-TAB SHINGLES

15# FELT

5/8" CDX

2 X RAFTERS & CEILING JOISTS  
OR TRUSSES.

INSUL. BAFFLE @ EAVE  
VENTS

"SIMPSON" H2.5  
SEISMIC CLIPS

2 X SOLID BLKG. W/  
2 X 12  
SCREENED VENTS  
@ 6' 0.C.

G.I. GUTTER  
ON 2 X 8  
FASCIA

SIDING (SEE ELEVATIONS)  
15# BLDG. PAPER OR TYVEK  
1/2" CDX PLYWOOD  
SHEATHING  
2 X 6 STUDS @ 16" O.C.  
R-21 INSULATION  
1/2" GYPSUM BOARD

2 X RIM  
JOIST

R-38 INSULATION

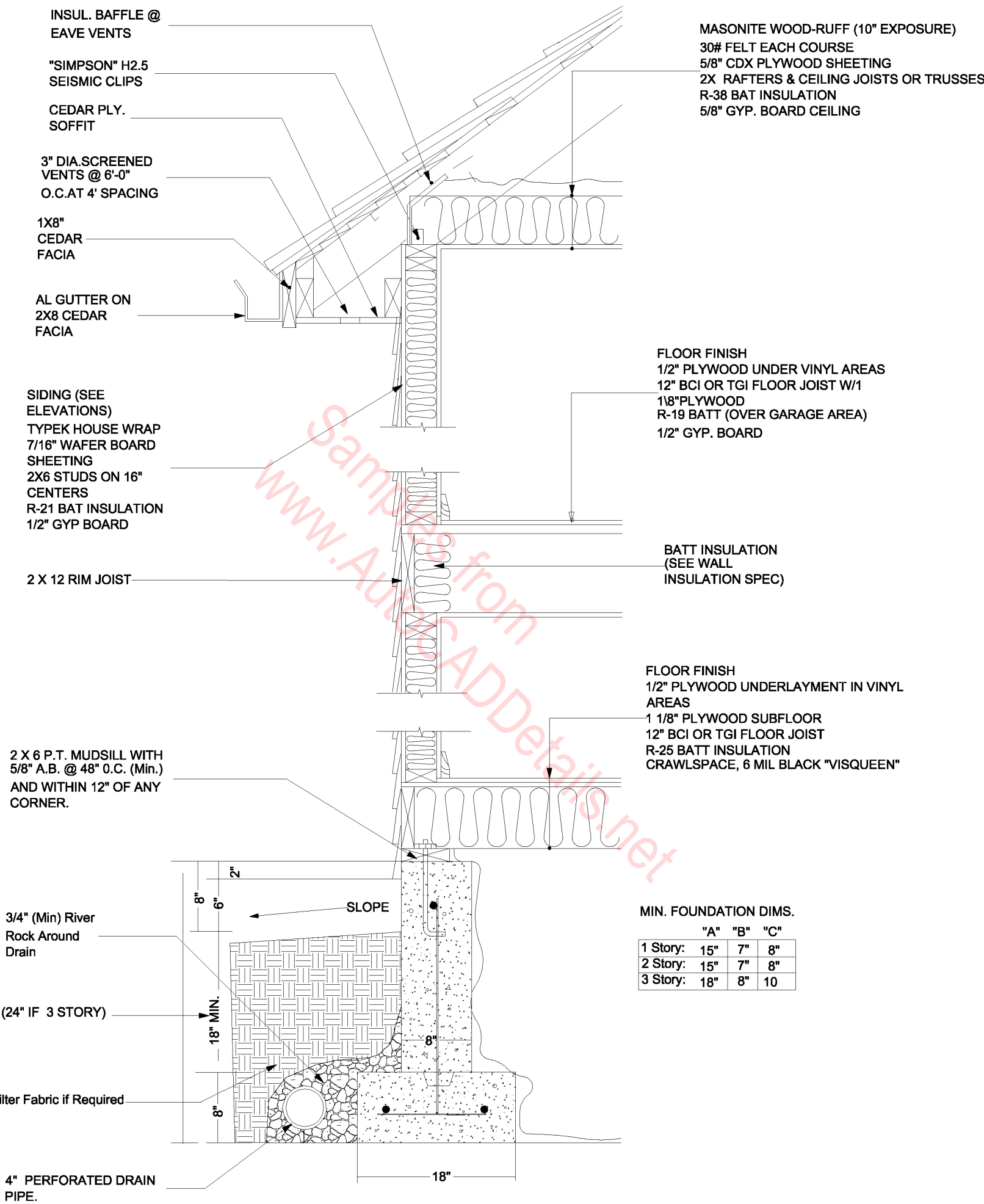
FLOOR FINISH  
1" PART. BOARD UNDERLAY  
3/4" T&G COMPLY  
2 X FLOOR JOIST  
R-25 BATT OVER (OVER GARAGE)  
5/8" GYPSUM BOARD CEILING

R-21  
INSULATION

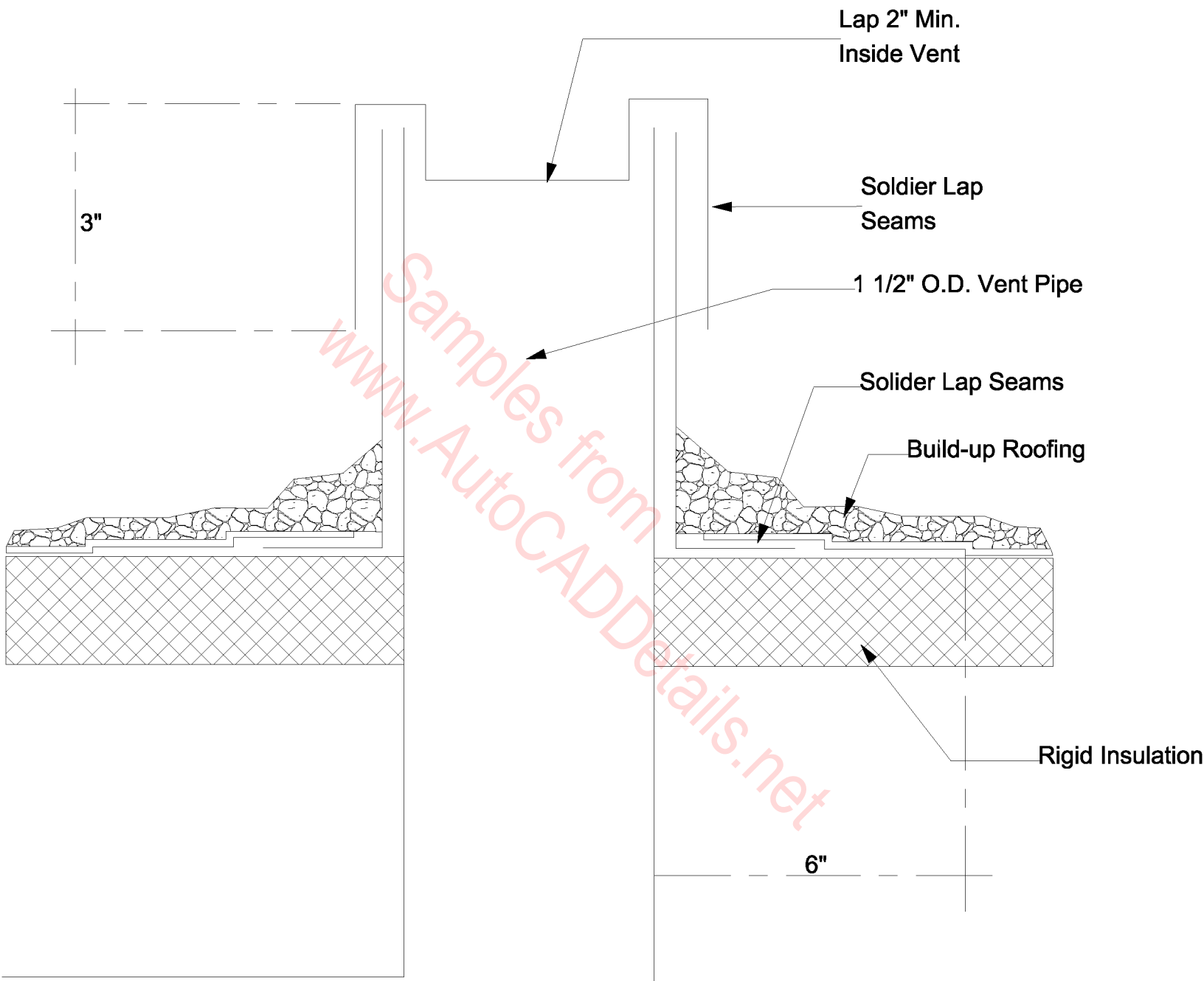
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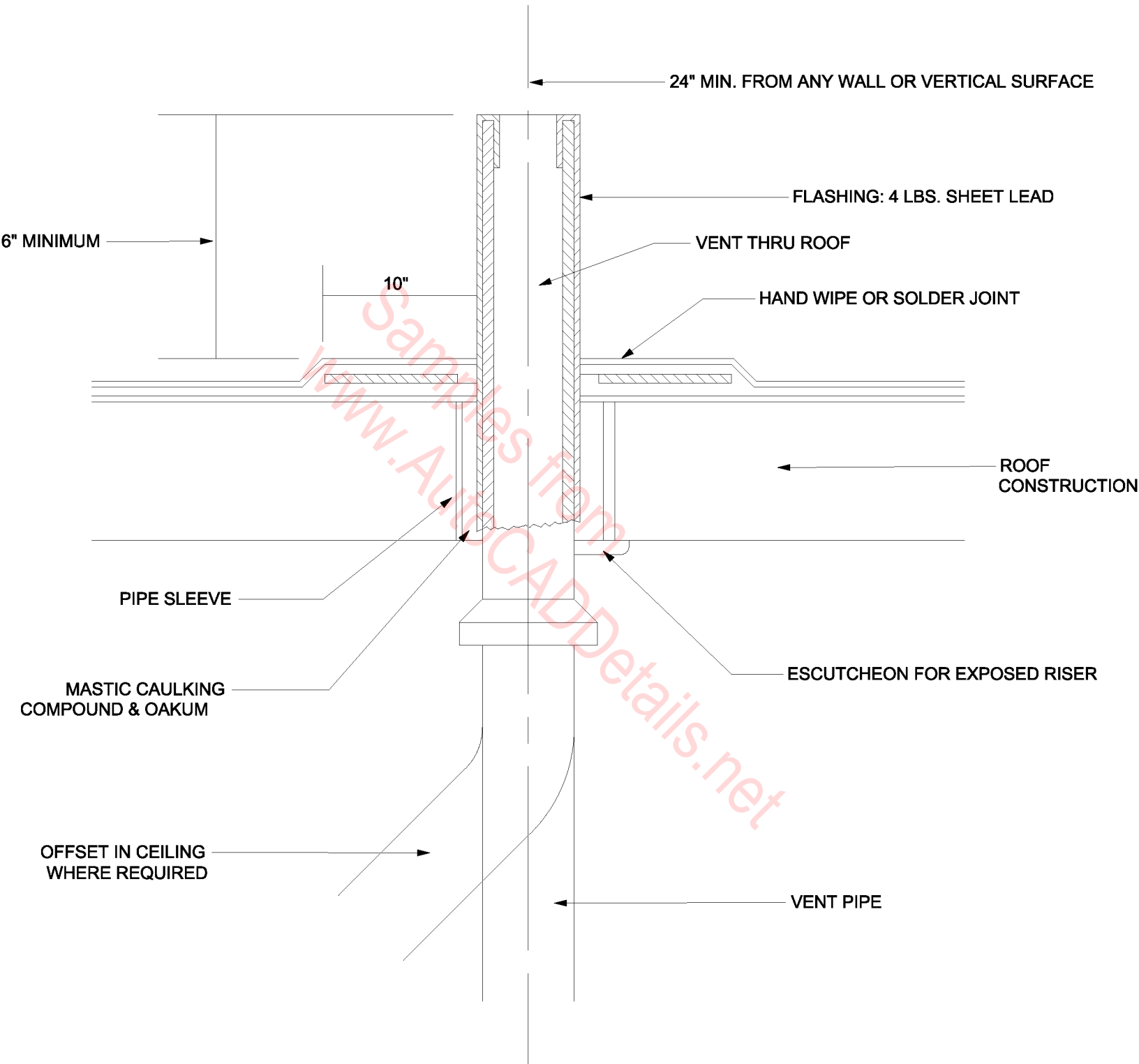
# TYP. WALL SECTION



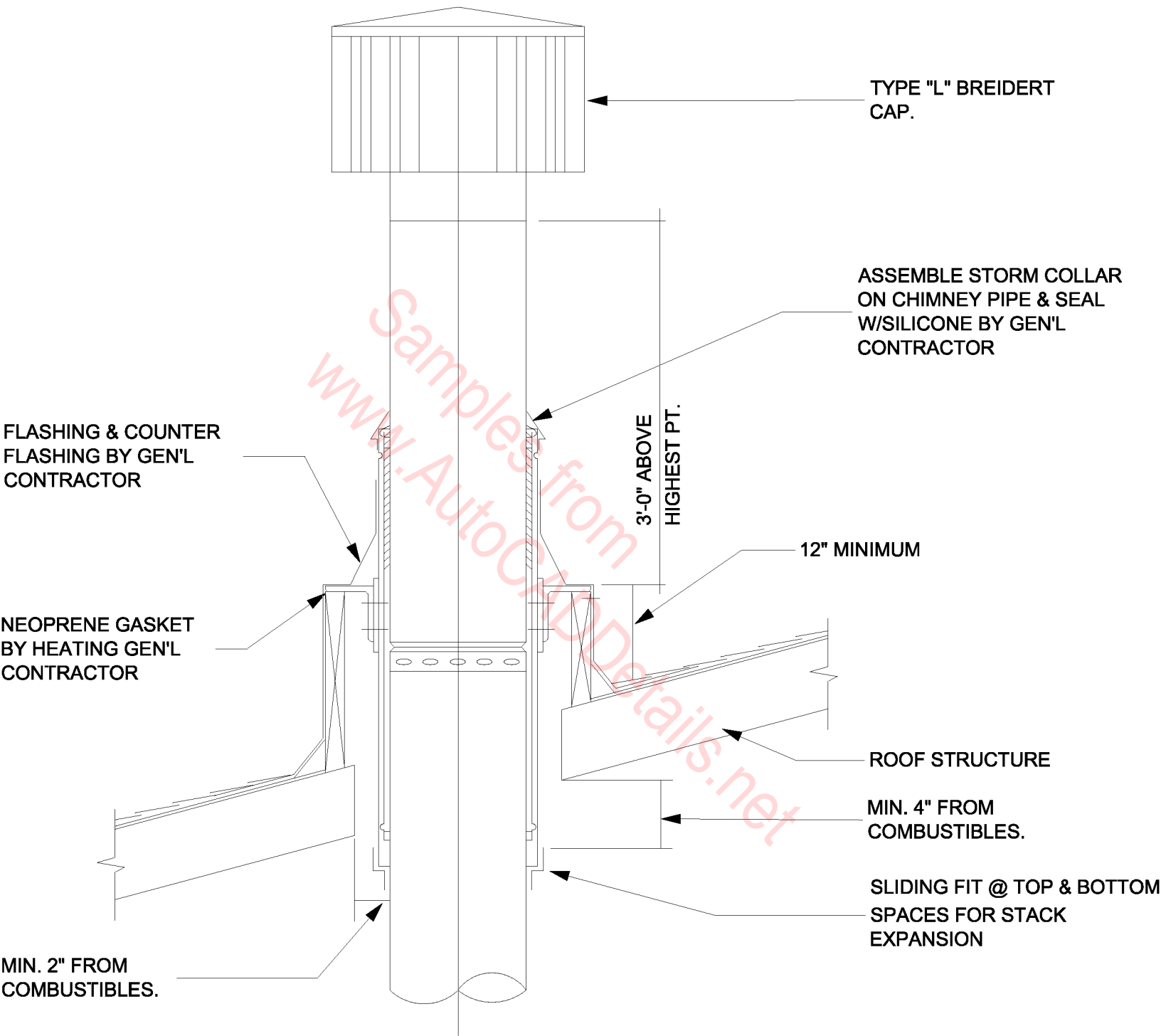
**TYP. WALL SECTION (2-STORY)**



Vent Flashing

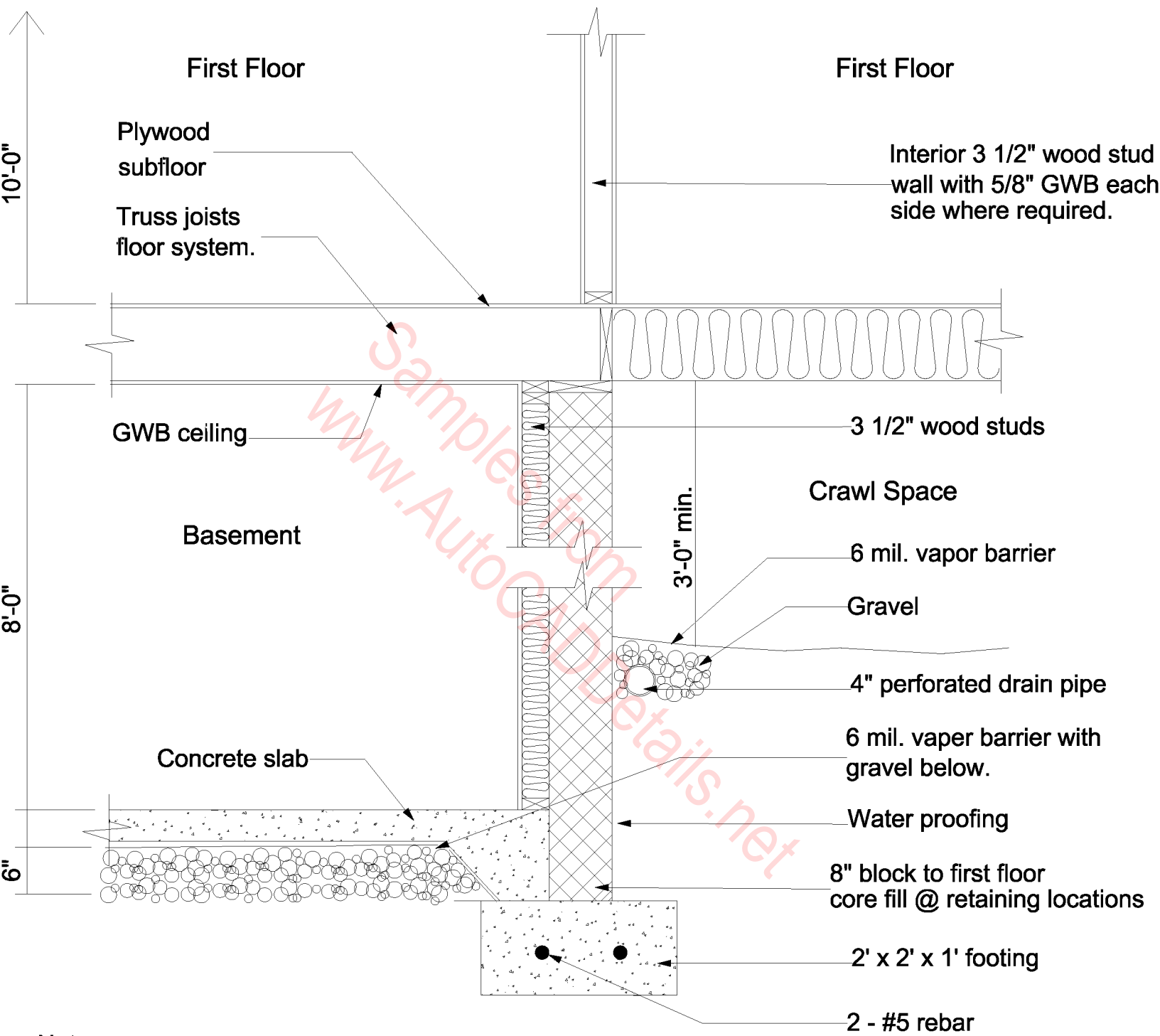


**VENT THRU ROOF DETAIL**



**VENT THRU ROOF DETAIL**

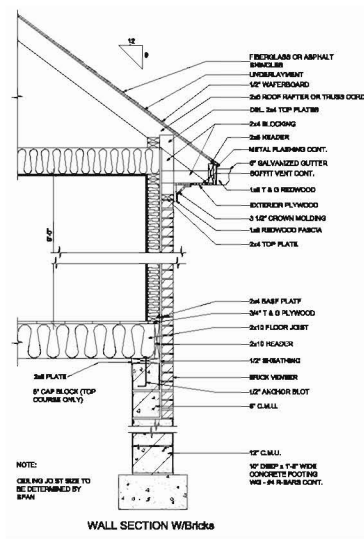


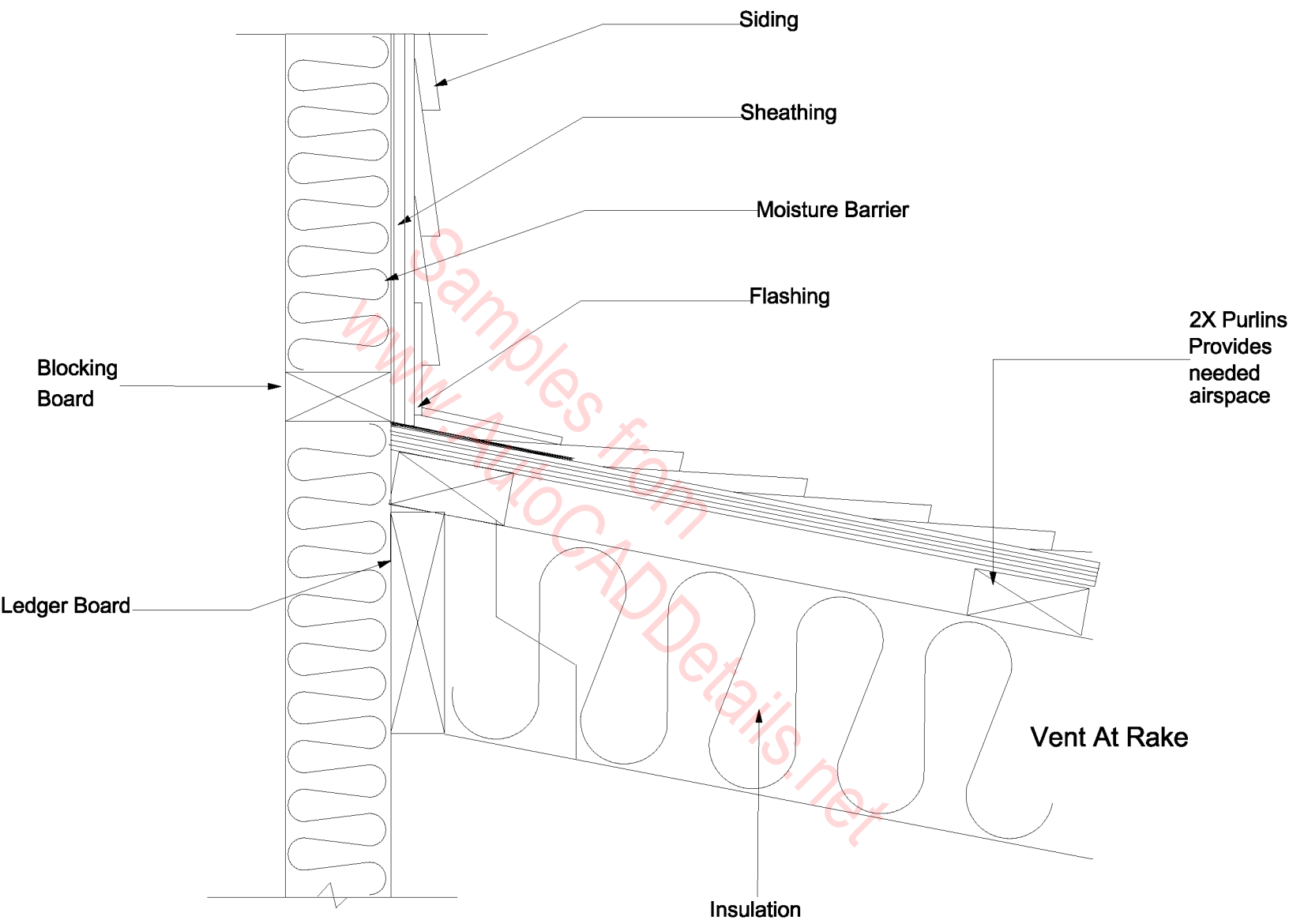


**Note:**  
 Add 3 1/2" pvc pipe extending from gravel under basement slab to attic for radon control, locations to be determined by radon consultant.

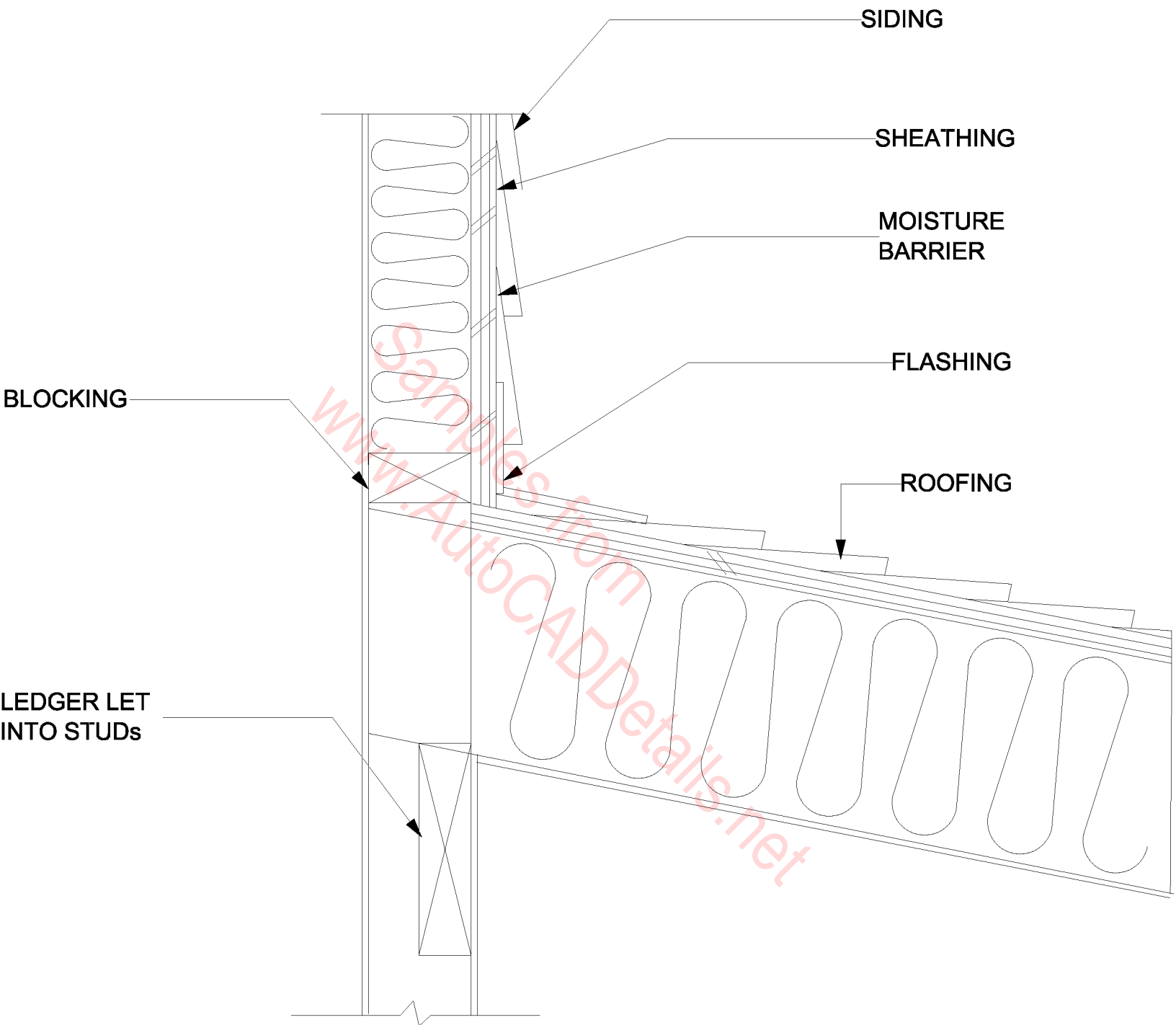
# Wall Section @ Basement

Samples from  
[www.AutoCADDetails.net](http://www.AutoCADDetails.net)

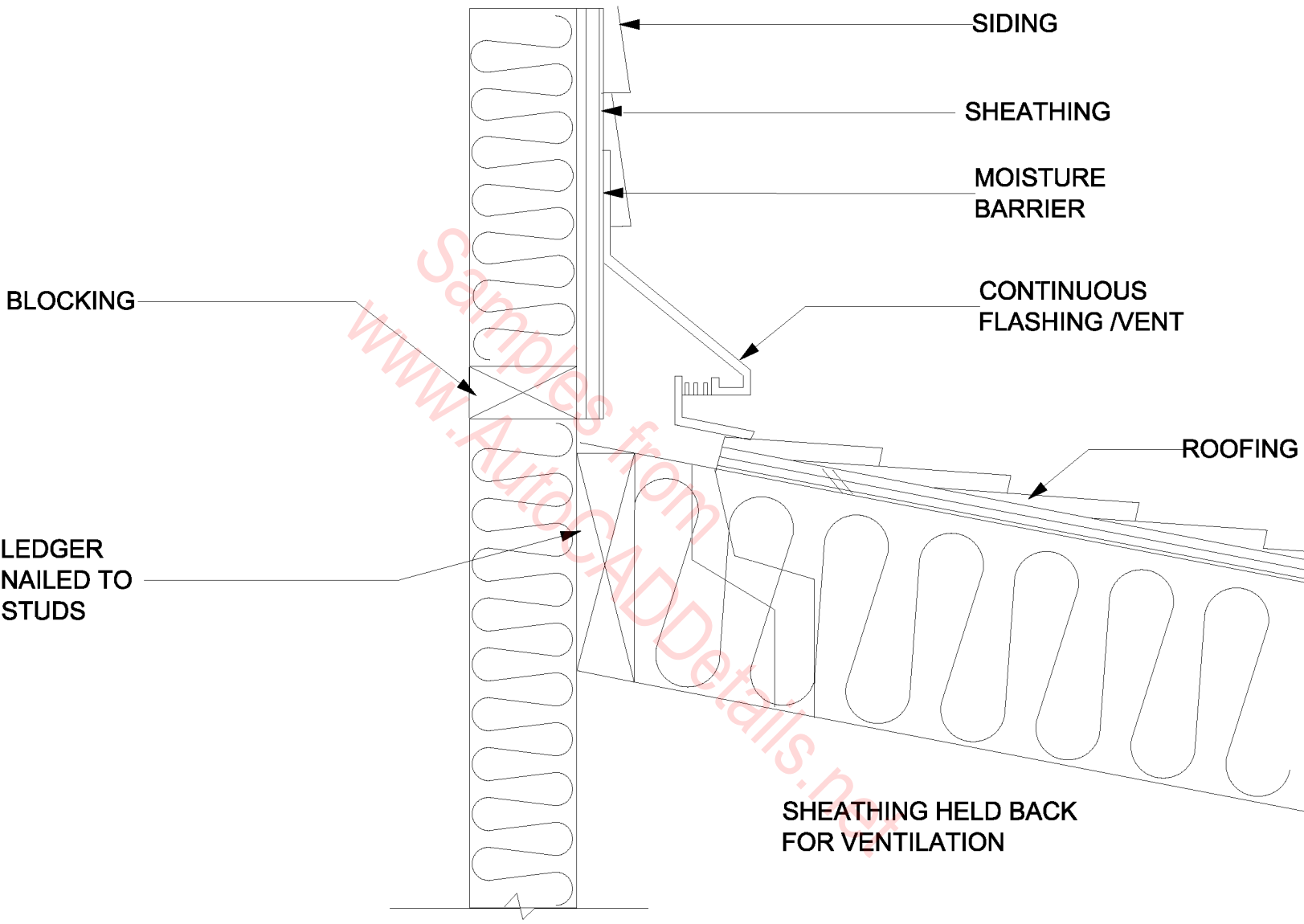




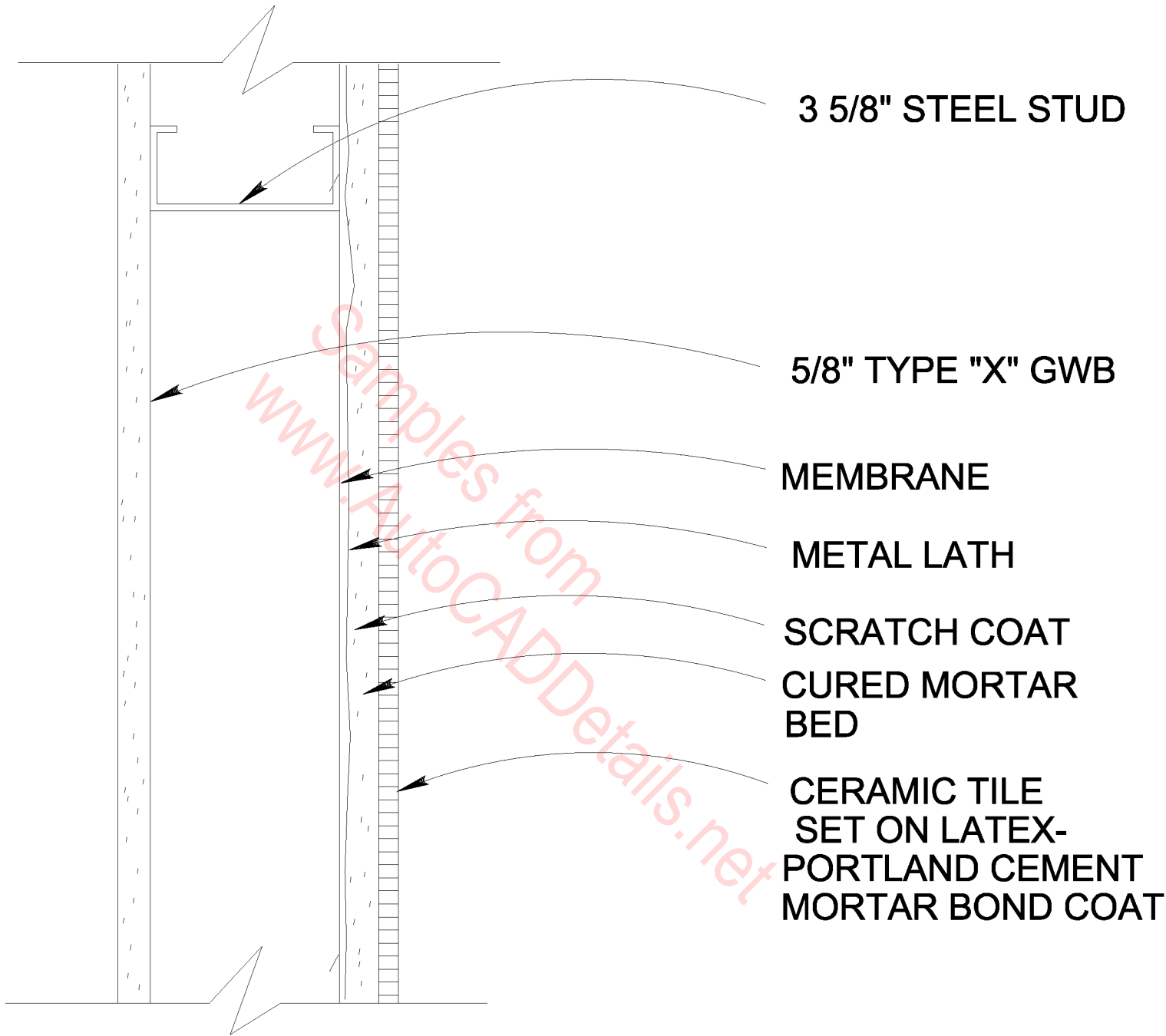
**Wall to Roof  
 Flashing**



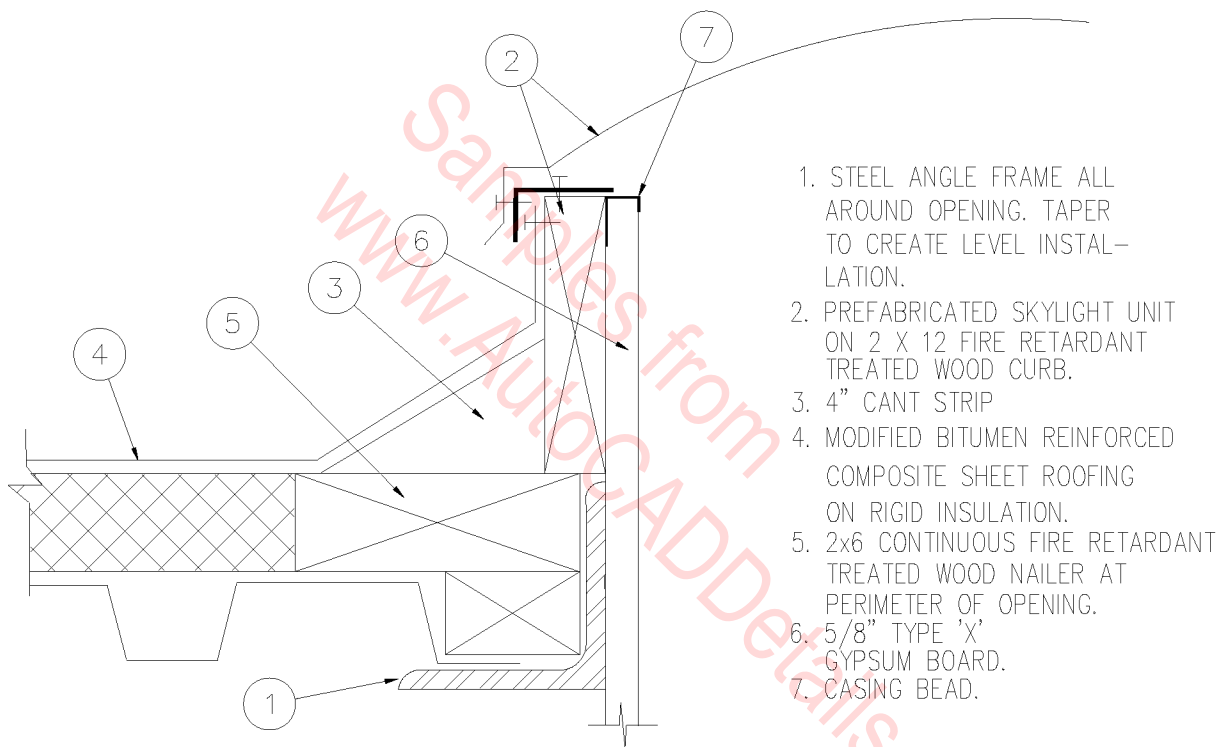
**WALL TO ROOF  
LEDGER LET IN**



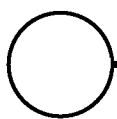
**WALL TO ROOF  
 SHED WITH VENT STRIP**



**WALL TYPE  
1 HR. FIRE RATED**



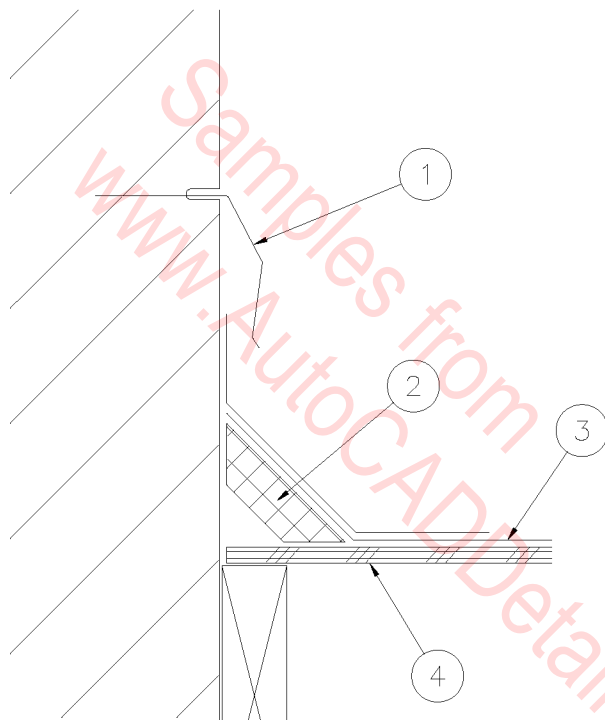
1. STEEL ANGLE FRAME ALL AROUND OPENING. TAPER TO CREATE LEVEL INSTALLATION.
2. PREFABRICATED SKYLIGHT UNIT ON 2 X 12 FIRE RETARDANT TREATED WOOD CURB.
3. 4" CANT STRIP
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING ON RIGID INSULATION.
5. 2x6 CONTINUOUS FIRE RETARDANT TREATED WOOD NAILER AT PERIMETER OF OPENING.
6. 5/8" TYPE 'X' GYPSUM BOARD.
7. CASING BEAD.



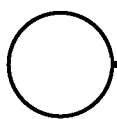
## SKYLIGHT AT METAL DECK

SCALE: 1" = 1'-0"

07D-1001



1. "FRY" TYPE REGLET
2. FIBER CANT STRIP.
3. CLASS "A" BUILT UP ROOFING.
4. PLYWOOD SHEATHING.

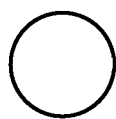
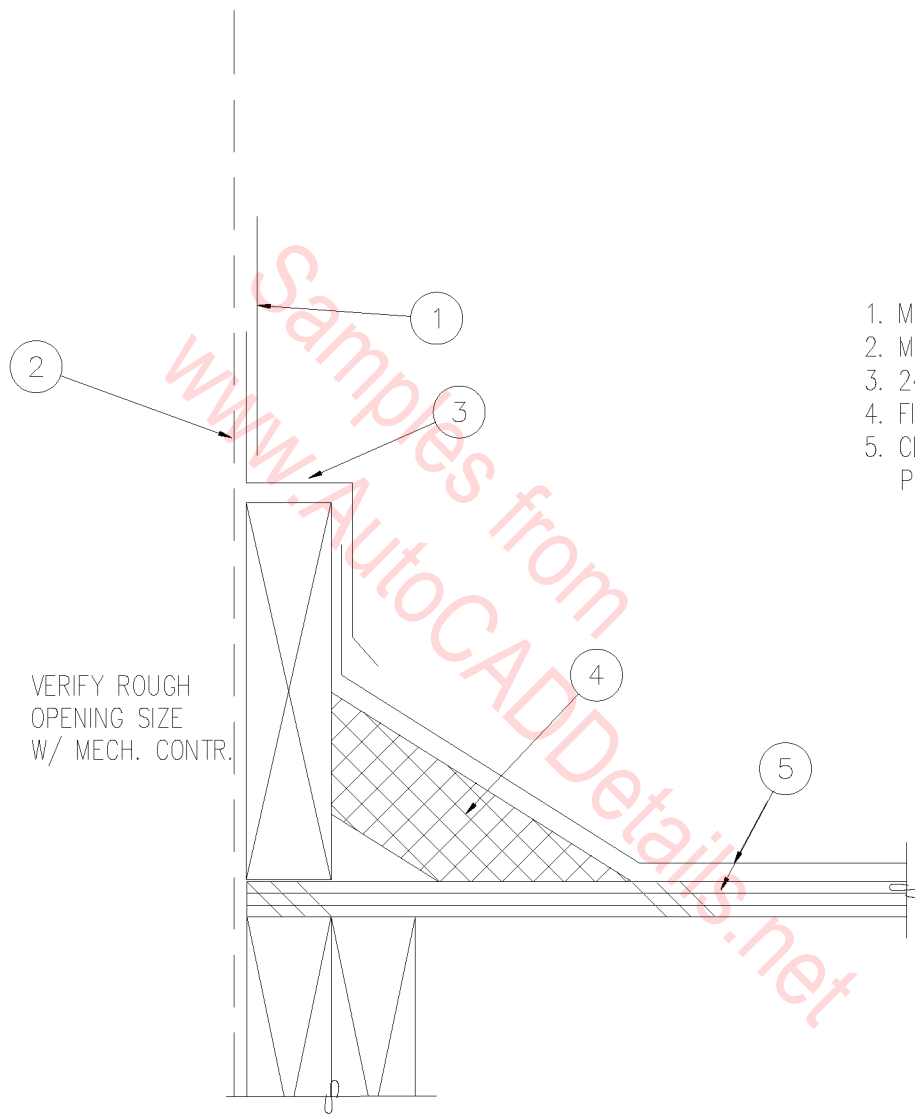


## CANT DETAIL

SCALE: 3" = 1'-0"

07D-1002



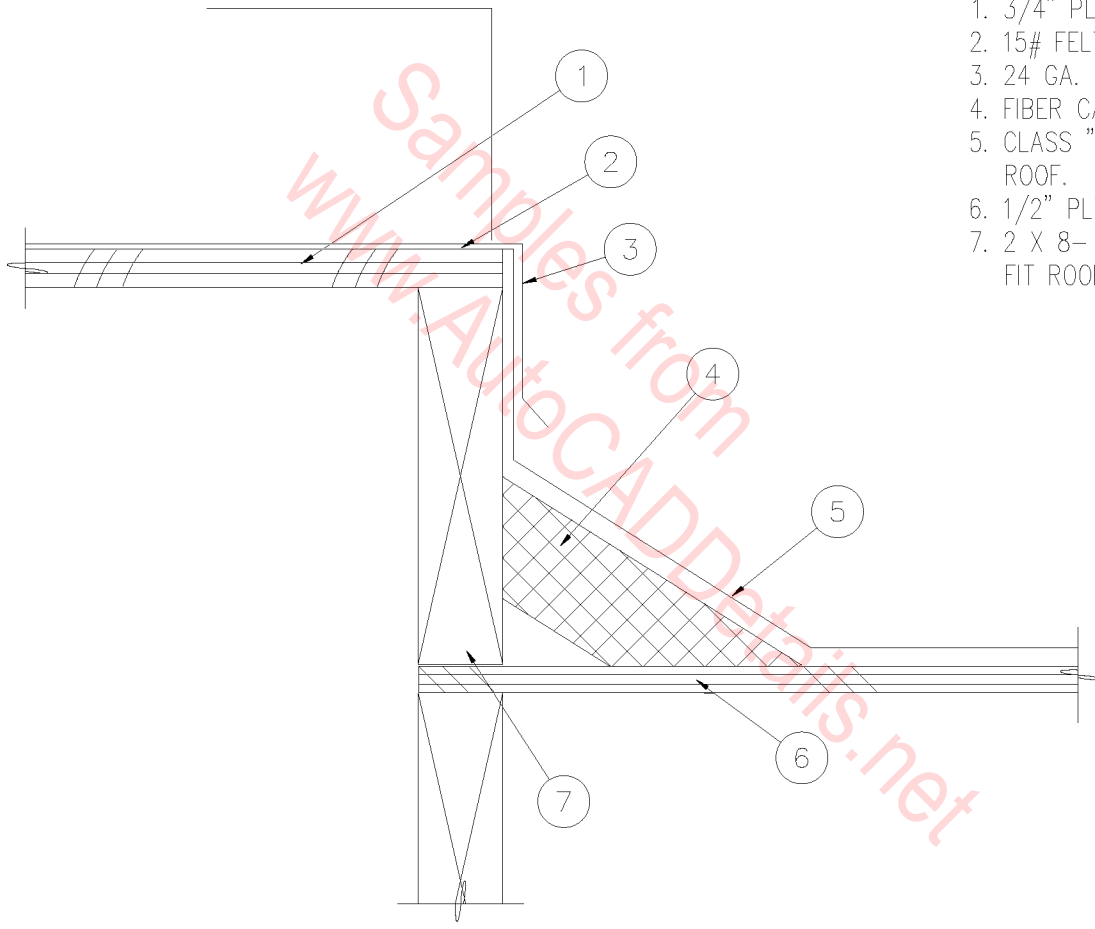


# ROOF PENETRATION

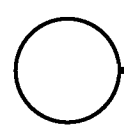
SCALE: 3" = 1'-0"

07D-1003

EQUIP. SIZE  
PLUS 4' ALL  
AROUND



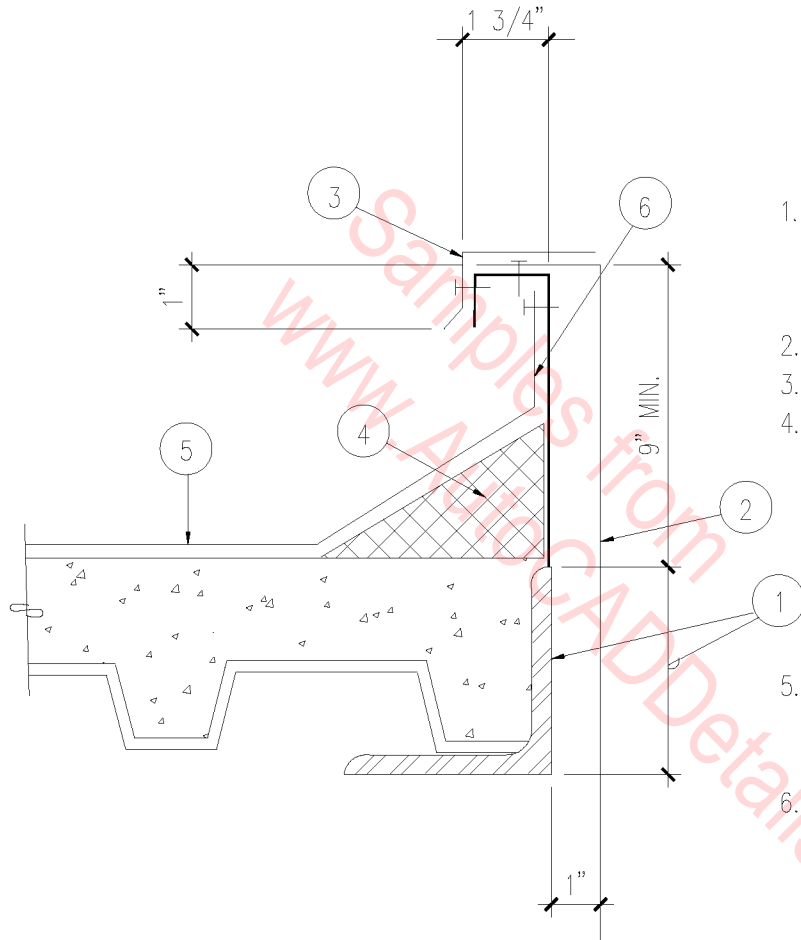
- 1. 3/4" PLYWOOD
- 2. 15# FELT.
- 3. 24 GA. FLASHING.
- 4. FIBER CANT.
- 5. CLASS "A" BUILT ROOF.
- 6. 1/2" PLYWOOD.
- 7. 2 X 8- TAPER CUT TO FIT ROOF SLOPE.



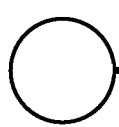
# EQUIPMENT BASE

SCALE: 3" = 1'-0"

07D-1004



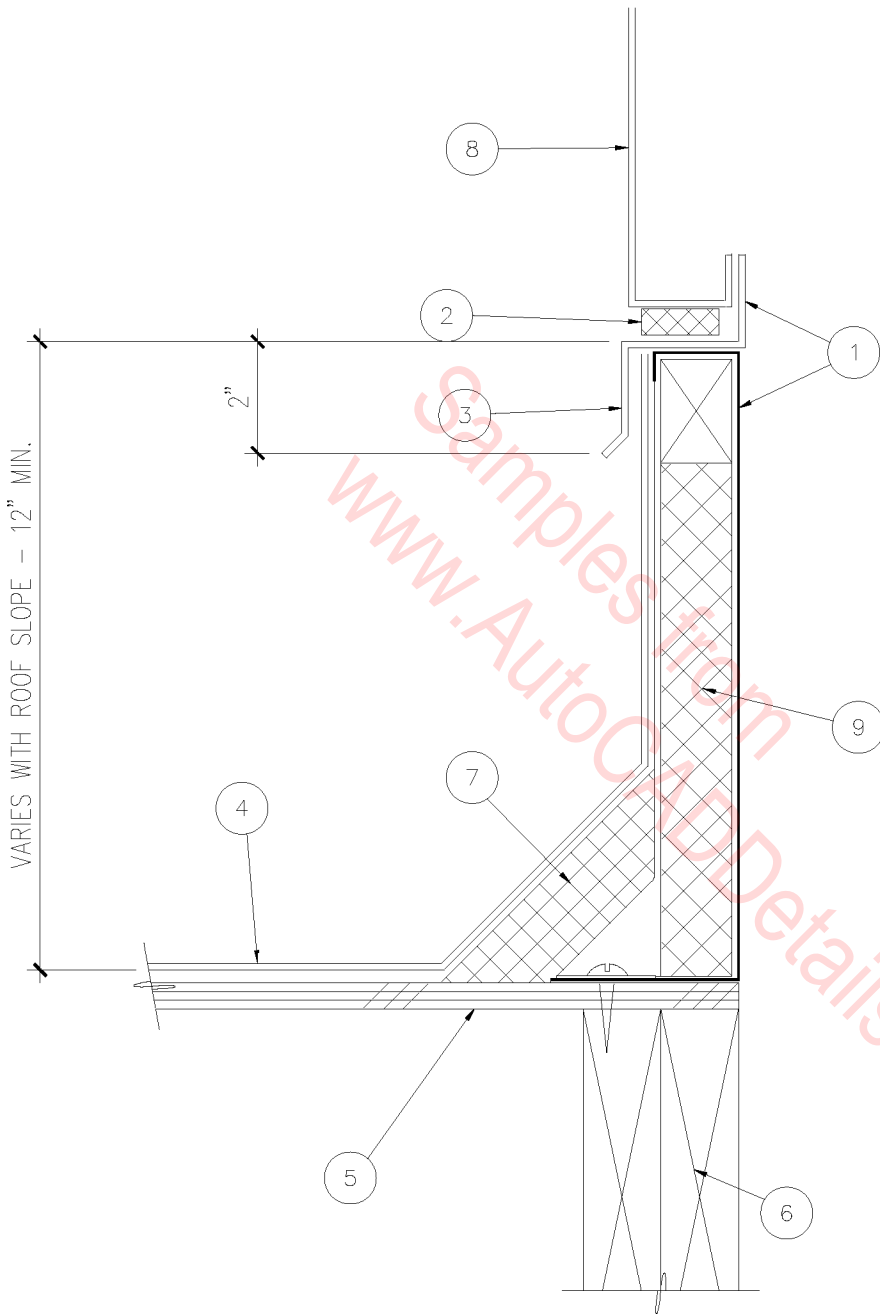
1. ANGLE IRON FRAME ALL AROUND OPENING. TAPER TO CREATE LEVEL INSTALLATION.
2. METAL DUCT—SEE MECHANICAL.
3. FAN UNIT—SEE MECHANICAL.
4. 4" CANT STRIP.
5. MEMBRANE ROOFING OVER LIGHTWEIGHT FILL OVER 1 1/2" METAL DECKING.
6. 18 GA. SHEET METAL CURBING W/ 4" FLANGE. BOLT TO FRAME @ 12" O.C. ALL AROUND.



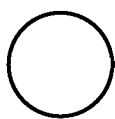
# EXHAUST FAN CURB

SCALE: 3" = 1'-0"

07D-1005



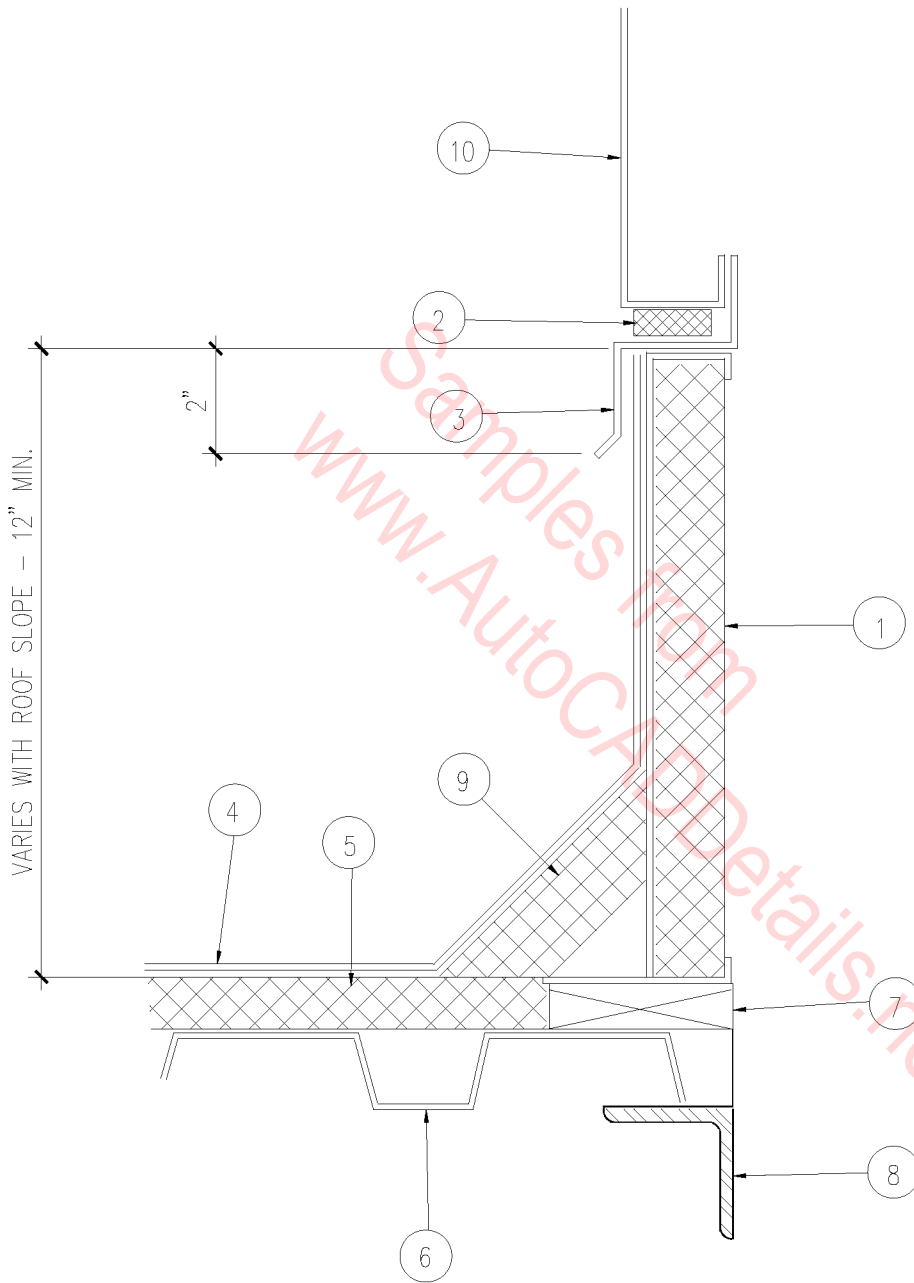
1. PREFABRICATED EQUIPMENT ROOF CURB.
2. NEOPRENE GASKET CONTINUOUS AT TOP OF CURB.
3. 20 GA. METAL FLASHING.
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
5. PLYWOOD DECK.
6. 2X FRAMING.
7. 4" CANT STRIP.
8. MECHANICAL EQUIPMENT.
9. RIGID INSULATION.



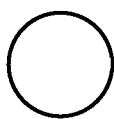
## EQUIPMENT CURB

SCALE: 1" = 1'-0"

07D-1006



1. PREFABRICATED EQUIPMENT ROOF CURB.
2. NEOPRENE GASKET CONTINUOUS AT TOP OF CURB.
3. 20 GA GI FLASHING.
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET.
5. RIGID INSULATION.
6. METAL DECK.
7. 1 X 4 FIRE-RETARDANT TREATED WOOD NAILER.
8. STEEL ANGLE SUPPORT FOR CURB.
9. 4" CANT.
10. MECHANICAL EQUIPMENT.

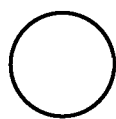
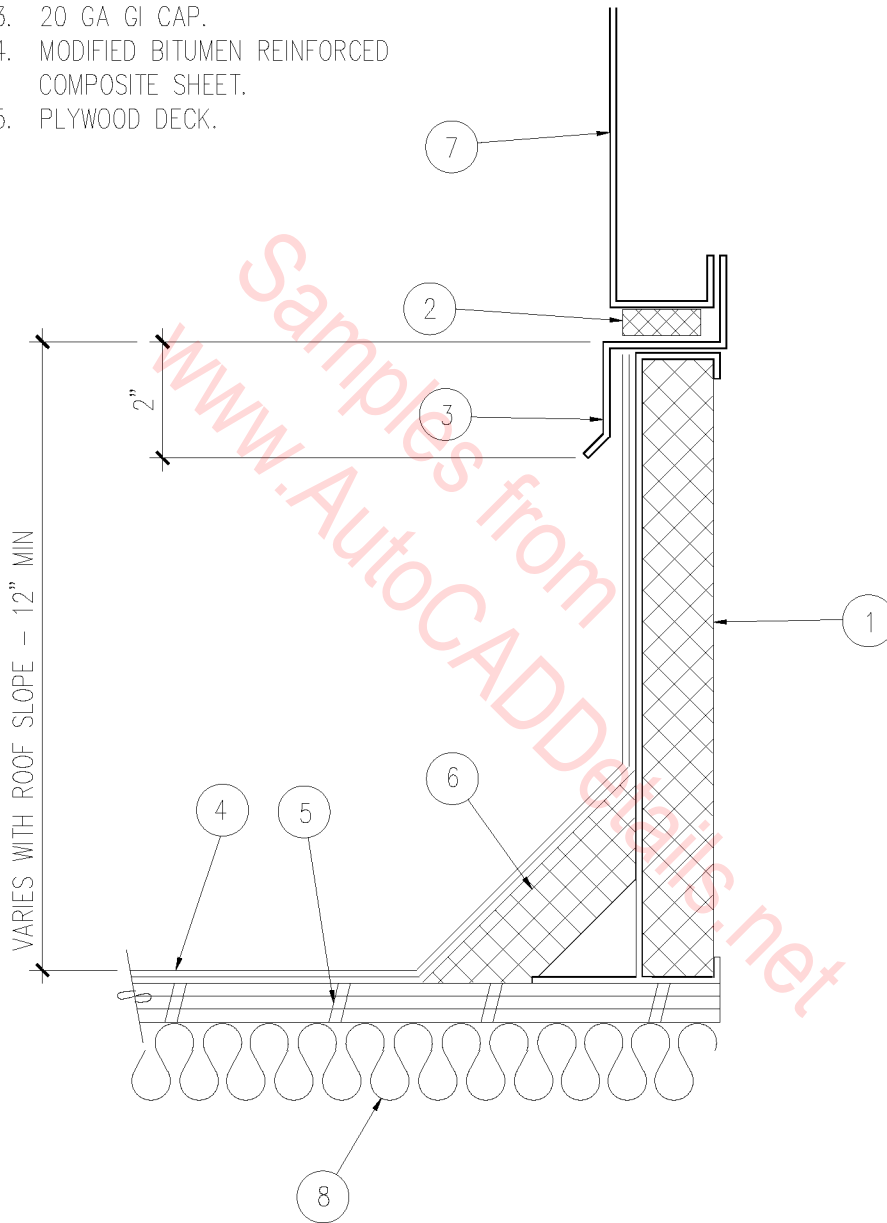


# EQUIPMENT CURB

SCALE: 3" = 1'-0"

07D-1007

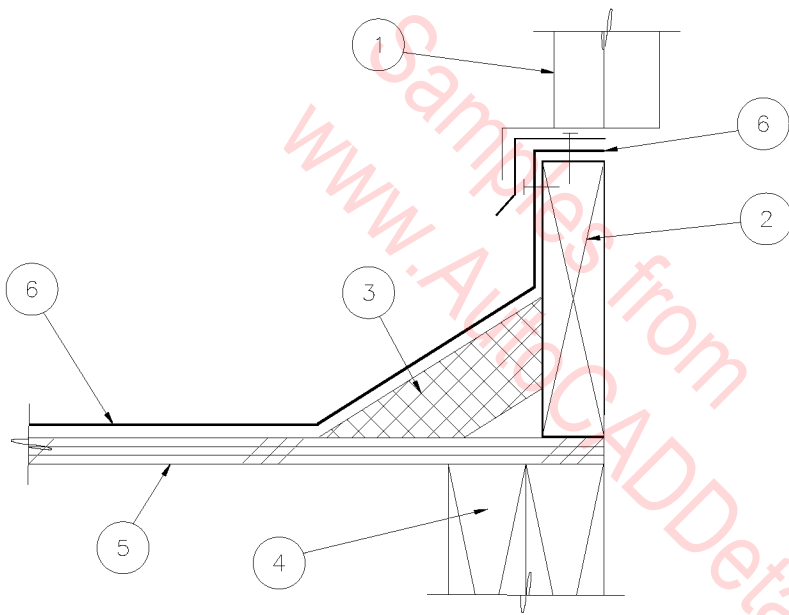
1. PREFABRICATED EQUIPMENT ROOF CURB.
2. NEOPRENE GASKET CONTINUOUS AT TOP OF CURB.
3. 20 GA GI CAP.
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET.
5. PLYWOOD DECK.
6. 4" CANT STRIP.
7. MECHANICAL EQUIPMENT.
8. BATT INSULATION.



# EQUIPMENT CURB

SCALE: 3" = 1'-0"

07D-1008

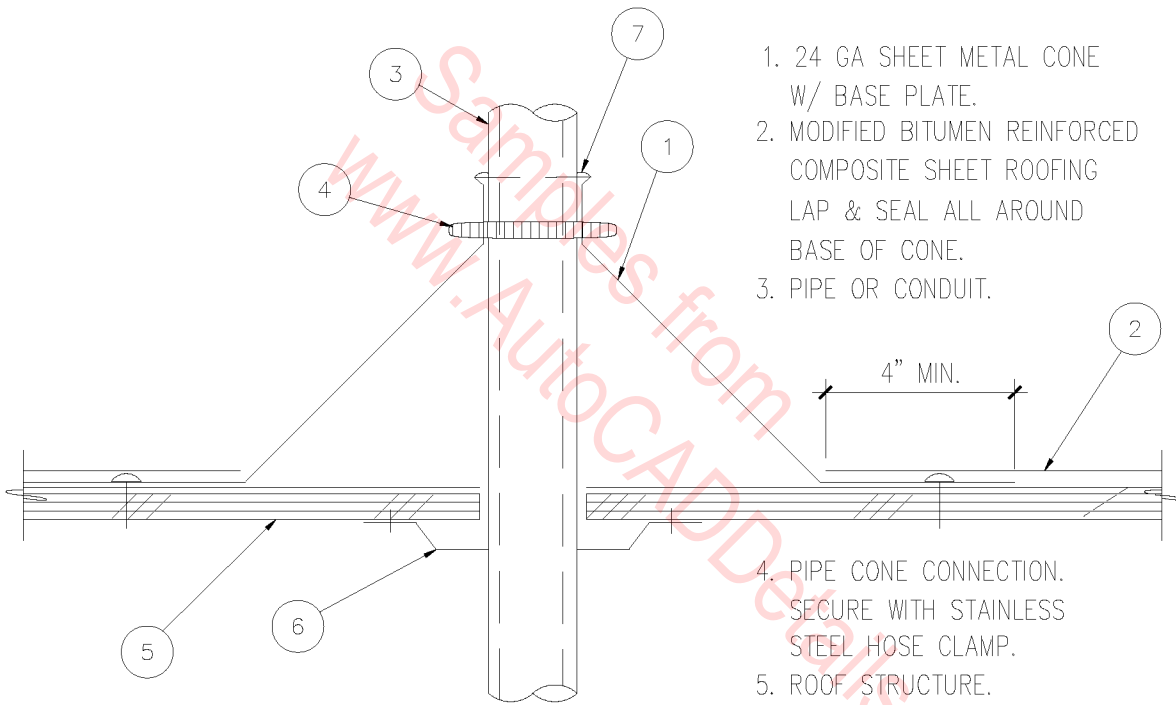


1. EXHAUST FAN OR RELIEF VENT.
2. 2 X 8 FIRE RETARDANT WOOD CURB.
3. CANT STRIP.
4. 2X FRAMING.
5. PLYWOOD DECK.
6. MODIFIED BITUMEN COMPOSITE SHEET ROOFING SYSTEM, CONTINUOUS OVER TOP OF CURB.

# MECHANICAL EQUIPMENT CURB

1" = 1'-0"

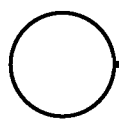
07D-1009



1. 24 GA SHEET METAL CONE W/ BASE PLATE.
2. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING LAP & SEAL ALL AROUND BASE OF CONE.
3. PIPE OR CONDUIT.

4. PIPE CONE CONNECTION. SECURE WITH STAINLESS STEEL HOSE CLAMP.
5. ROOF STRUCTURE.
6. DECK CLAMP.
7. SEALANT ALL AROUND.

4" MIN.



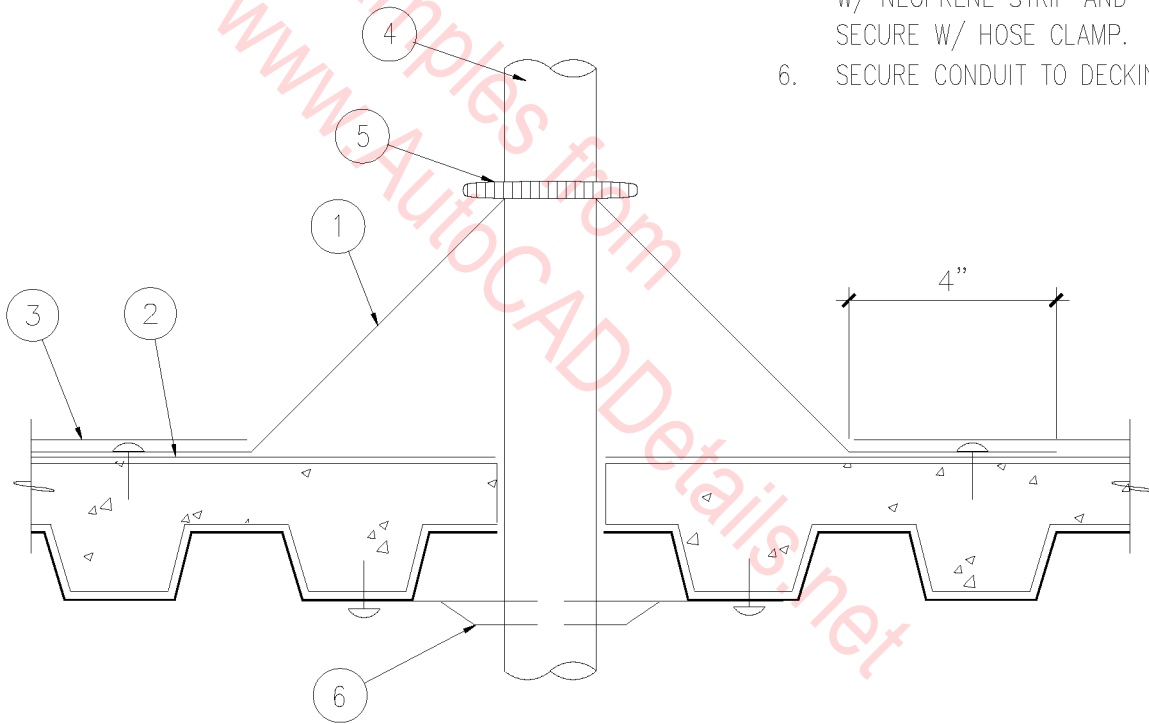
# PIPE THRU ROOF

SCALE: 1" = 1'-0"

07D-1010



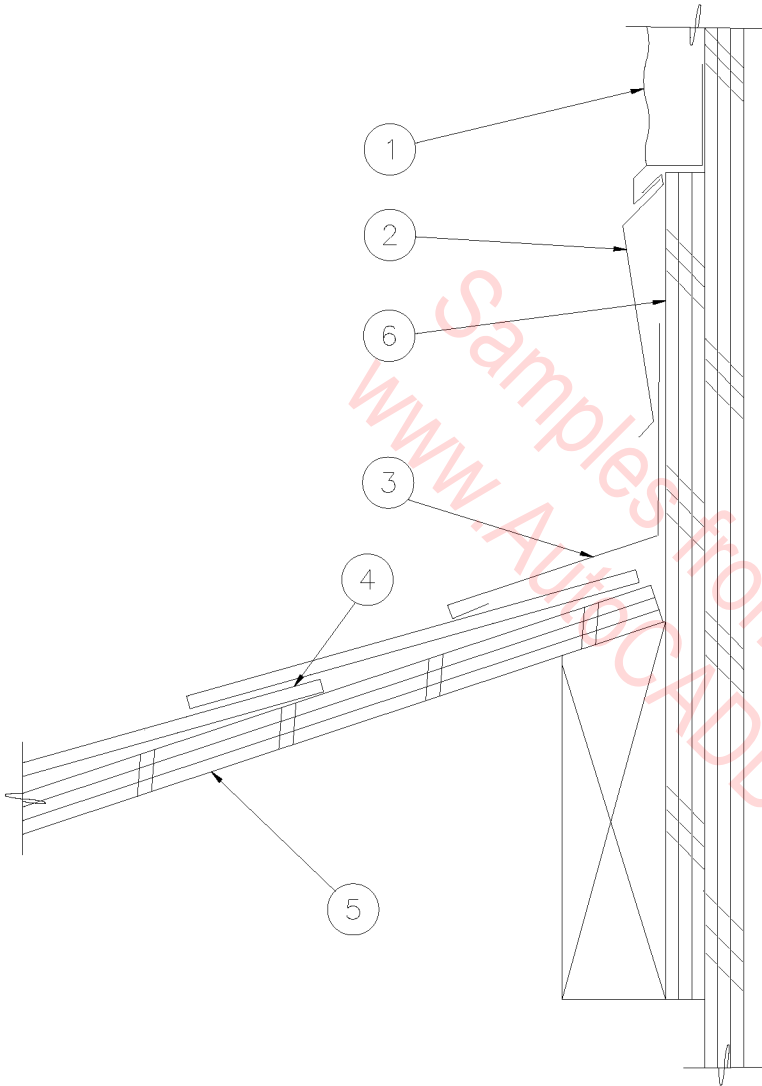
1. 24 GA SHEET METAL CONE W/ BASE PLATE.
2. MEMBRANE ROOFING OVER LIGHTWEIGHT FILL OVER 1 1/2" METAL DECKING.
3. LAP IN MEMBRANE ROOFING OVER BASE PLATE.
4. CONDUIT.
5. WRAP CONDUIT CONE CONNECTION W/ NEOPRENE STRIP AND SECURE W/ HOSE CLAMP.
6. SECURE CONDUIT TO DECKING.



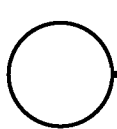
# ○ CONDUIT THROUGH ROOF

3" = 1'-0"

07D-1011



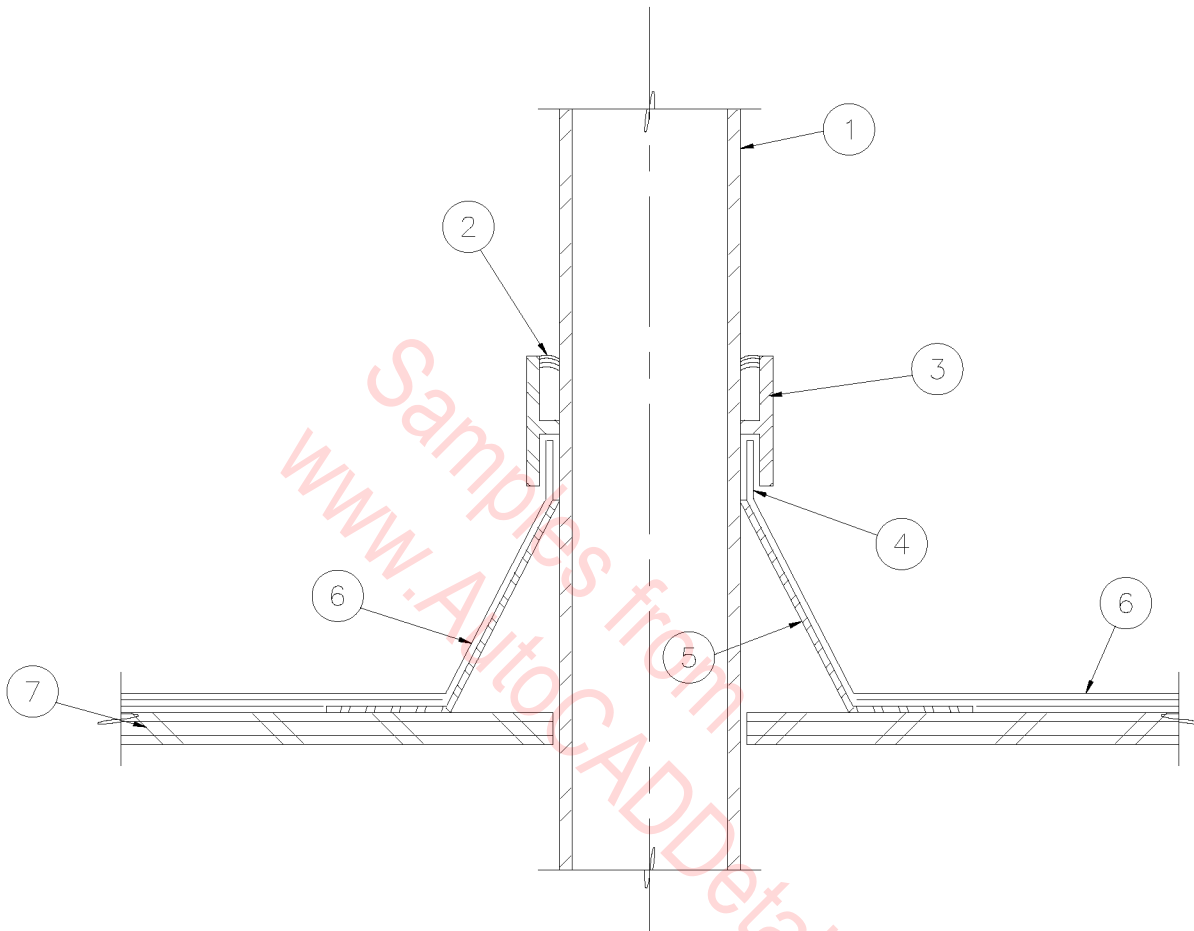
1. CEMENT PLASTER ON METAL LATH & PLYWOOD SHEATHING OVER 2X WOOD FRAMING.
2. METAL COUNTERFLASHING.
3. METAL FLASHING.
4. ASPHALT SHINGLES WITH WATERPROOF UNDERLAYMENT PER MANUFACTURER'S SPECIFICATIONS.
5. PLYWOOD ROOF DECK.
6. PLYWOOD BLOCKING.



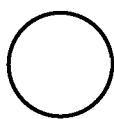
## FLASHING @ ROOF EDGE

3" = 1'-0"

07D-1012



1. PIPE OR CONDUIT.
2. SEALANT.
3. COUNTERFLASHING SLEEVE.
4. WATERPROOF COMPOUND.
5. STEEL REINFORCED BOOT.
6. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING FLASHING SYSTEM.
7. PLYWOOD DECK.

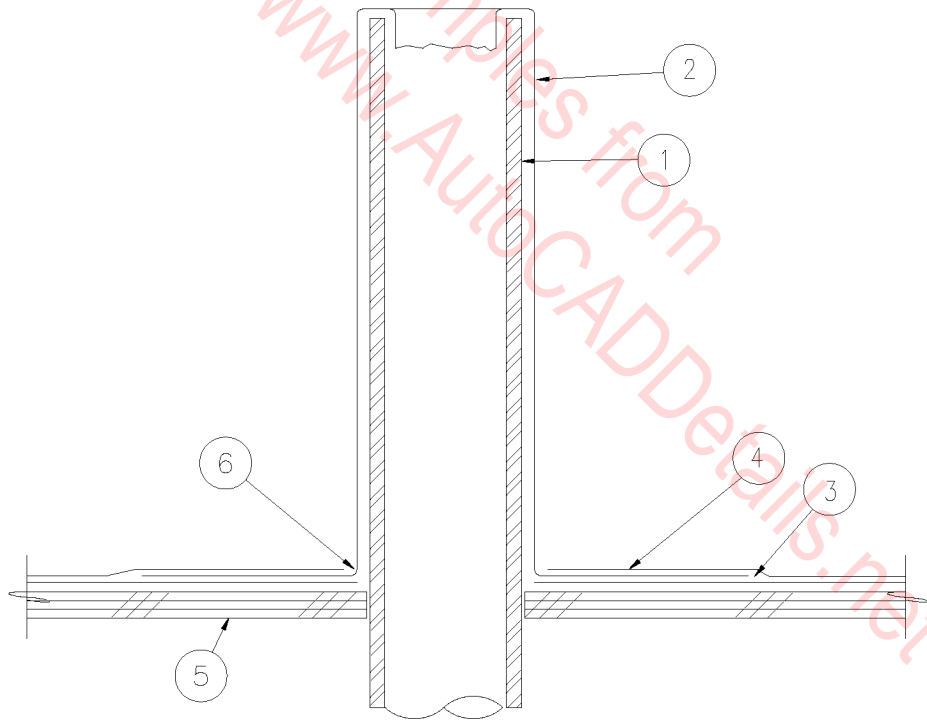


## PIPE/CONDUIT FLASHING

3" = 1'-0"

07D-1013

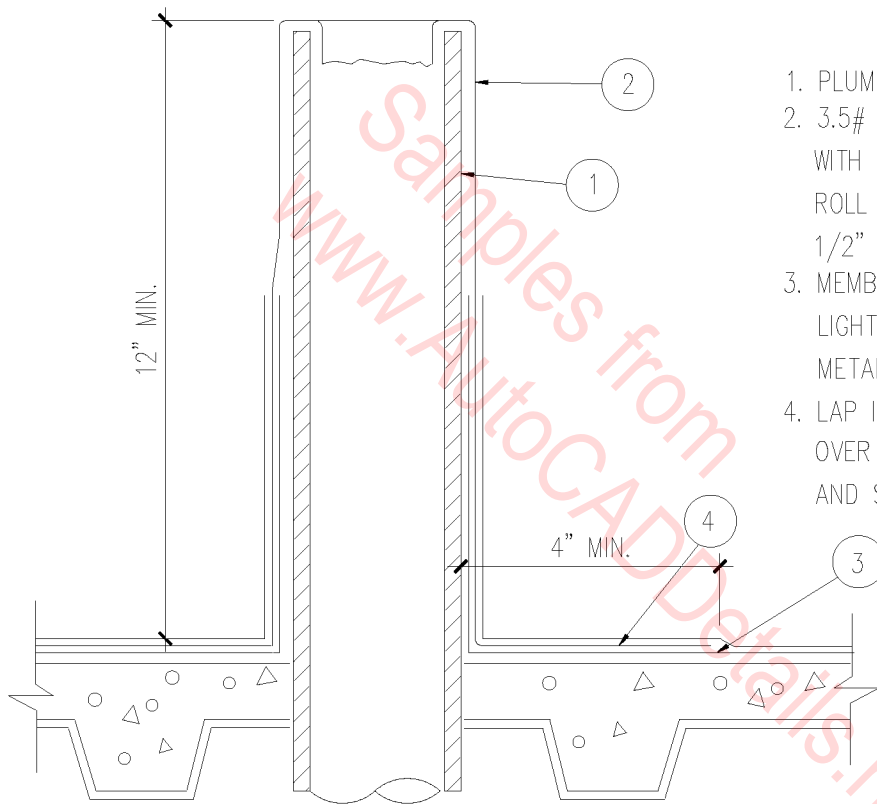
1. PLUMBING VENT PIPE.
2. 3.5# LEAD FLASHING SLEEVE WITH SQ. BASE PLATE. ROLL OVER INTO VENT PIPE 1/2" DEEP.
3. MODIFIED BITUMEN REINFORCED SHEET ROOFING ON PLYWOOD DECK.
4. LAP SHEET ROOFING OVER LEAD BASE PLATE.
5. ROOF DECK.
6. SEALANT ALL AROUND.



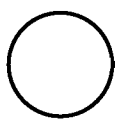
# ○ VENT PIPE THRU ROOF

SCALE: 1" = 1'-0"

07D-1014



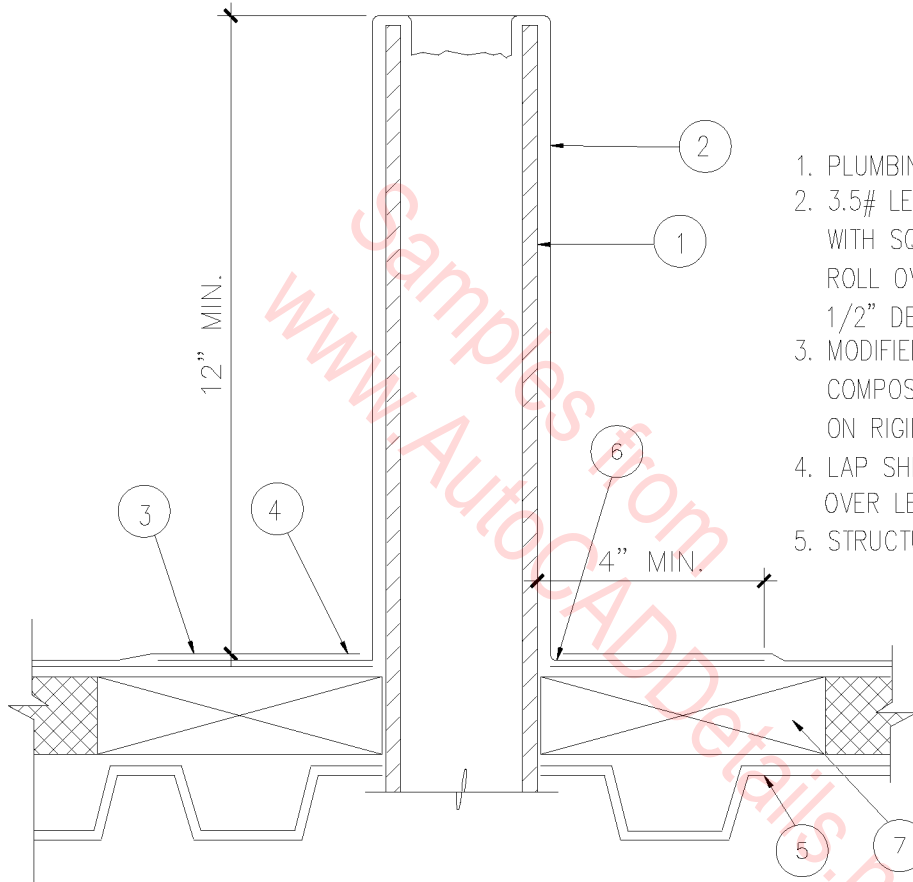
1. PLUMBING VENT PIPE.
2. 3.5# LEAD FLASHING SLEEVE WITH SQ. BASE PLATE. ROLL OVER INTO VENT PIPE 1/2" DEEP (MIN).
3. MEMBRANE ROOFING OVER LIGHTWEIGHT FILL OVER METAL DECK.
4. LAP IN ROOF MEMBRANE OVER LEAD BASE PLATE AND SEAL.



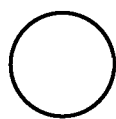
## VENT THRU ROOF

SCALE: 3" = 1'-0"

07D-1015



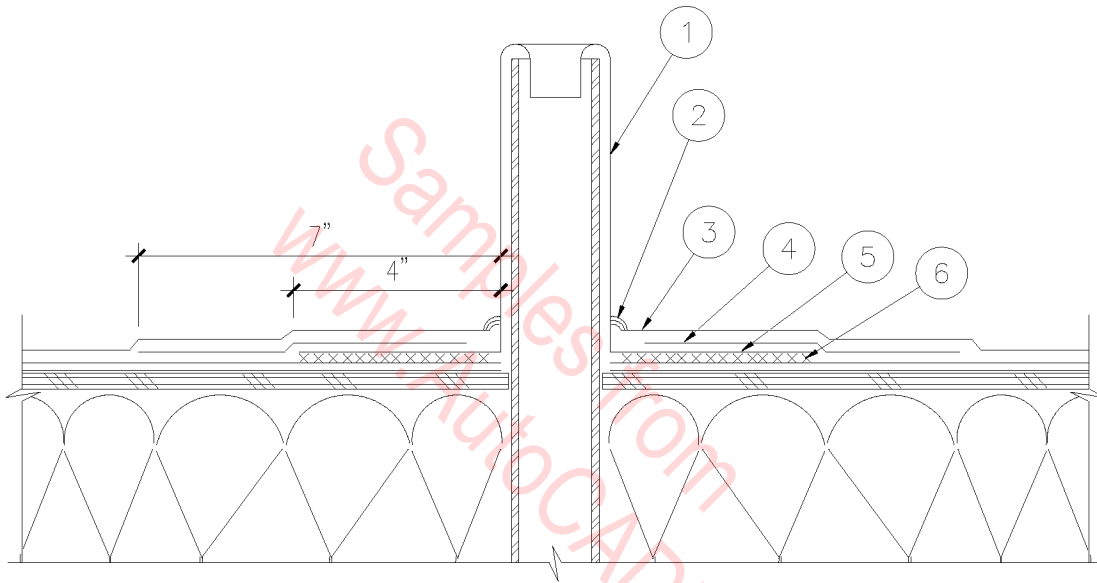
1. PLUMBING VENT PIPE.
2. 3.5# LEAD FLASHING SLEEVE WITH SQ. BASE PLATE. ROLL OVER INTO VENT PIPE 1/2" DEEP.
3. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING ON RIGID INSULATION.
4. LAP SHEET ROOFING OVER LEAD BASE PLATE.
5. STRUCTURAL METAL DECK.
6. SEALANT ALL AROUND.
7. 2 x 6 NAILER AT PERIMETER.



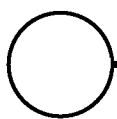
# VENT PIPE THRU ROOF

SCALE: 3" = 1'-0"

07D-1016



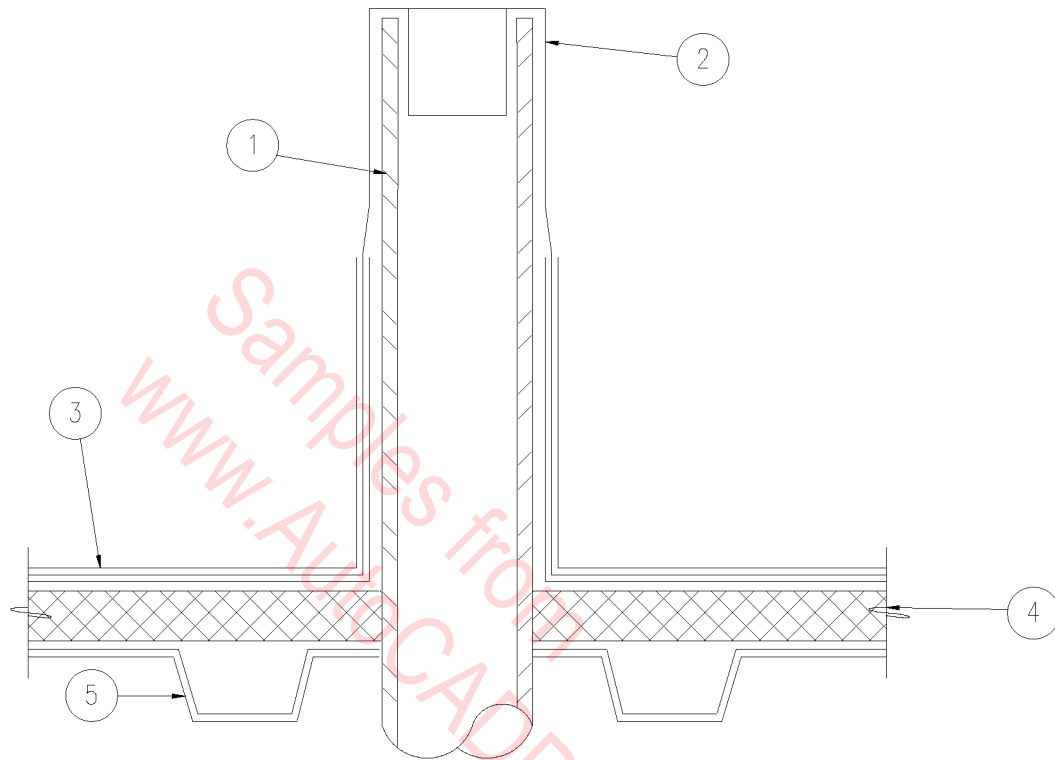
1. LEAD FLASHING – ROLL 1" INTO PIPE.
2. SEALANT
3. MODIFIED BITUMEN CAP SHEET
4. MODIFIED BITUMEN STRIPPING PLY
5. LEAD FLANGE – PRIME AND SET IN MASTIC.
6. MODIFIED BITUMEN BASE PLY



## VENT STACK

SCALE: 3" = 1'-0"

07D-1017



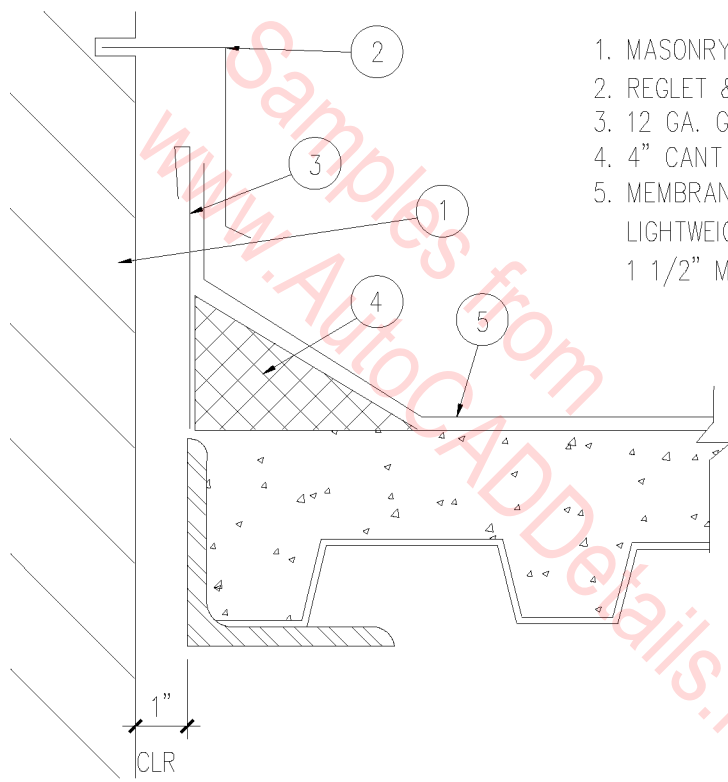
- 1. PLUMBING VENT.
- 2. LEAD FLASHING.
- 3. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET.
- 4. RIGID INSULATION.
- 5. METAL DECK.

○ VENT FLASHING

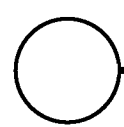
3" = 1'-0"

07D-1018





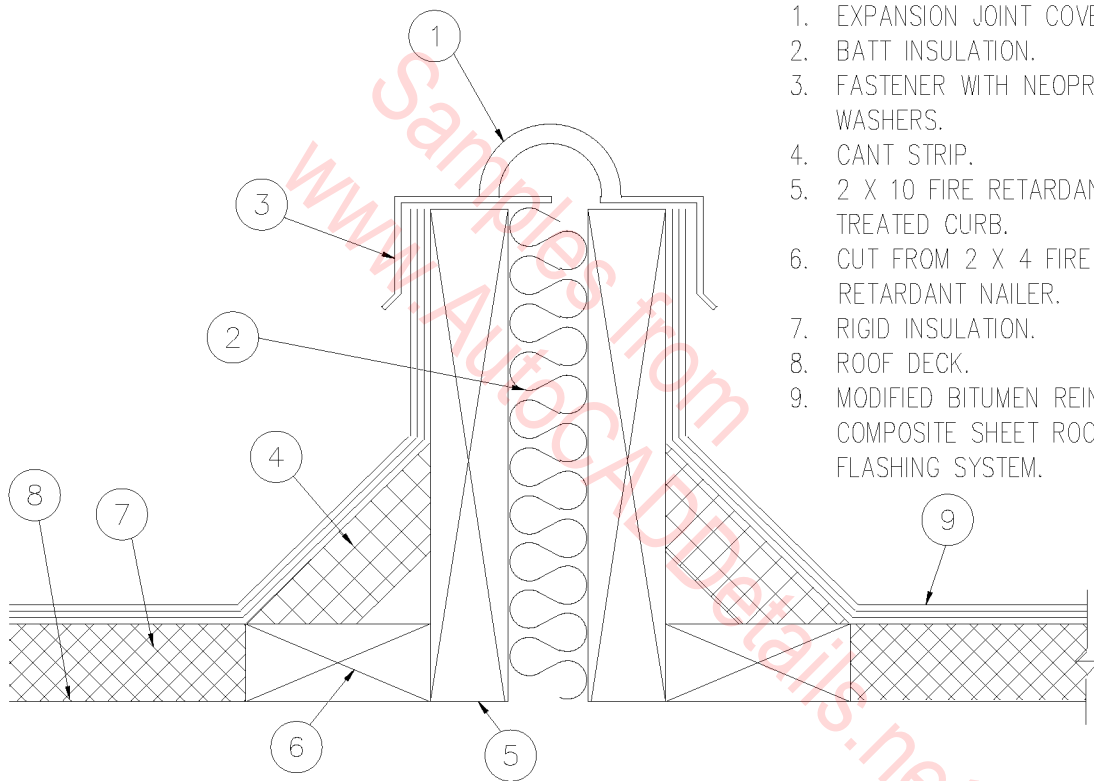
1. MASONRY WALL.
2. REGLET & COUNTER FLASHING.
3. 12 GA. GI CONT. FLASHING.
4. 4" CANT STRIP.
5. MEMBRANE ROOFING OVER  
LIGHTWEIGHT FILL OVER  
1 1/2" METAL DECKING.



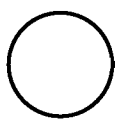
# ROOFING EXPANSION JOINT

SCALE: 3" = 1'-0"

07D-1019



1. EXPANSION JOINT COVER.
2. BATT INSULATION.
3. FASTENER WITH NEOPRENE WASHERS.
4. CANT STRIP.
5. 2 X 10 FIRE RETARDANT TREATED CURB.
6. CUT FROM 2 X 4 FIRE RETARDANT NAILER.
7. RIGID INSULATION.
8. ROOF DECK.
9. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING FLASHING SYSTEM.

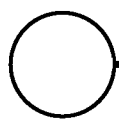
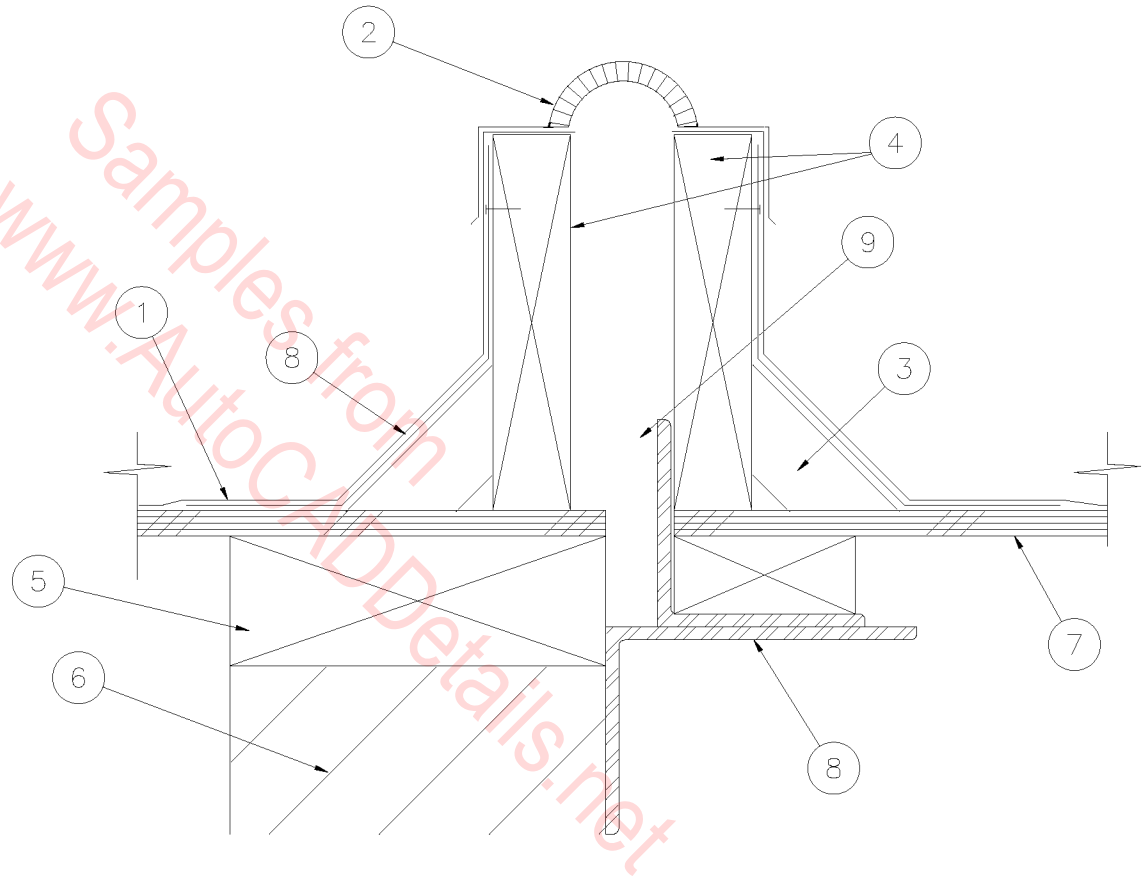


# EXP. JOINT AT ROOF

SCALE: 3" = 1'-0"

07D-1020

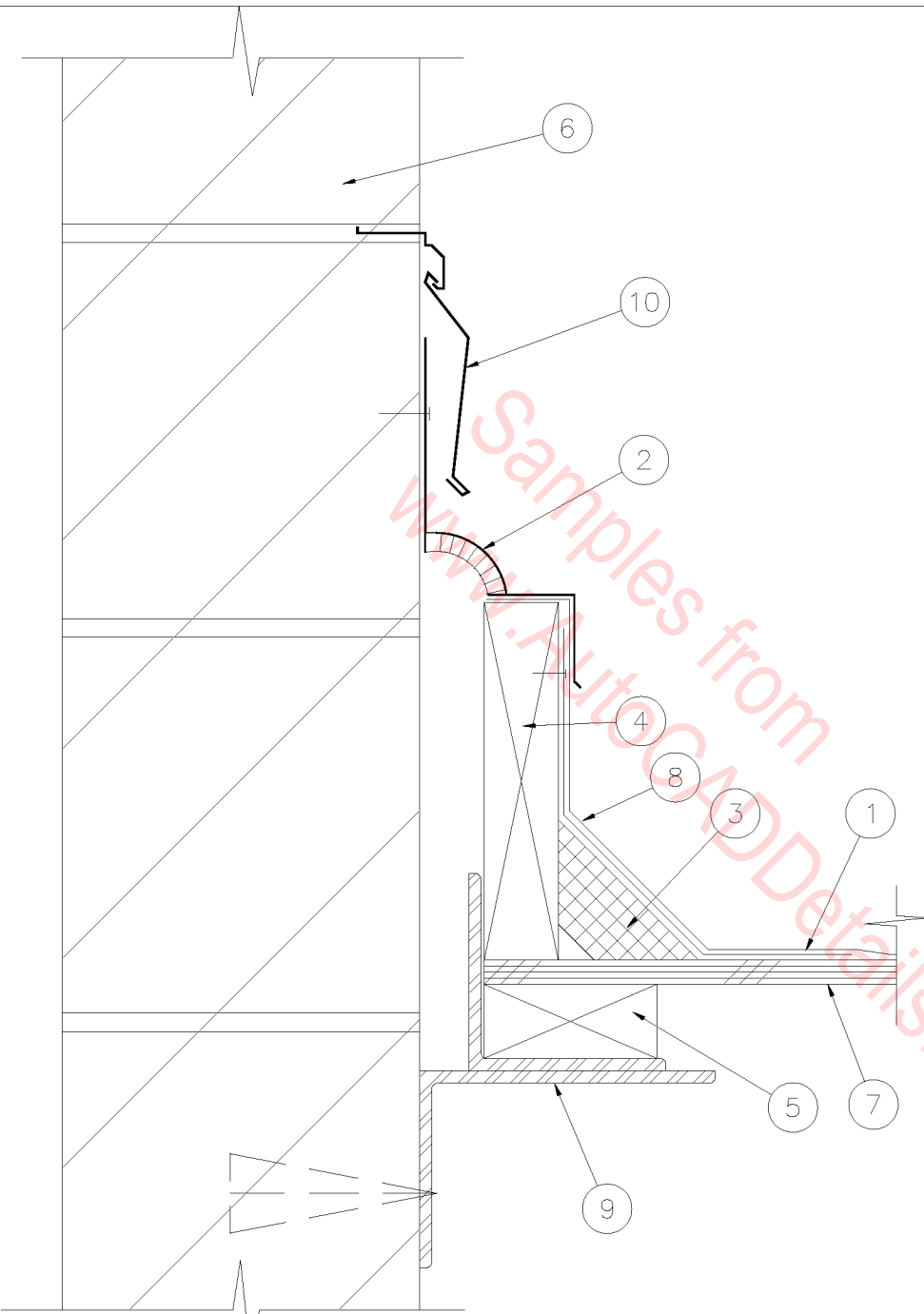
1. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING OVER RIGID INSULATION.
2. EXPANSION JOINT COVER COAT ALL NEOPRENE MATERIAL WITH WHITE ELASTOMERIC COATING AFTER INSTALLATION.
3. 4" CANT STRIP.
4. 2 x 8 FIRE RETARDANT TREATED WOOD CURB.
5. STRUCTURAL NAILER.
6. MASONRY WALL.
7. PLYWOOD SHEATHING.
8. FLASHING SYSTEM BY ROOFING MANUFACTURER.
9. STRUCTURAL SLIP JOINT.



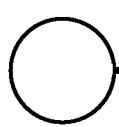
## EXPANSION JOINT COVER

SCALE: 1" = 1'-0"

07D-1021



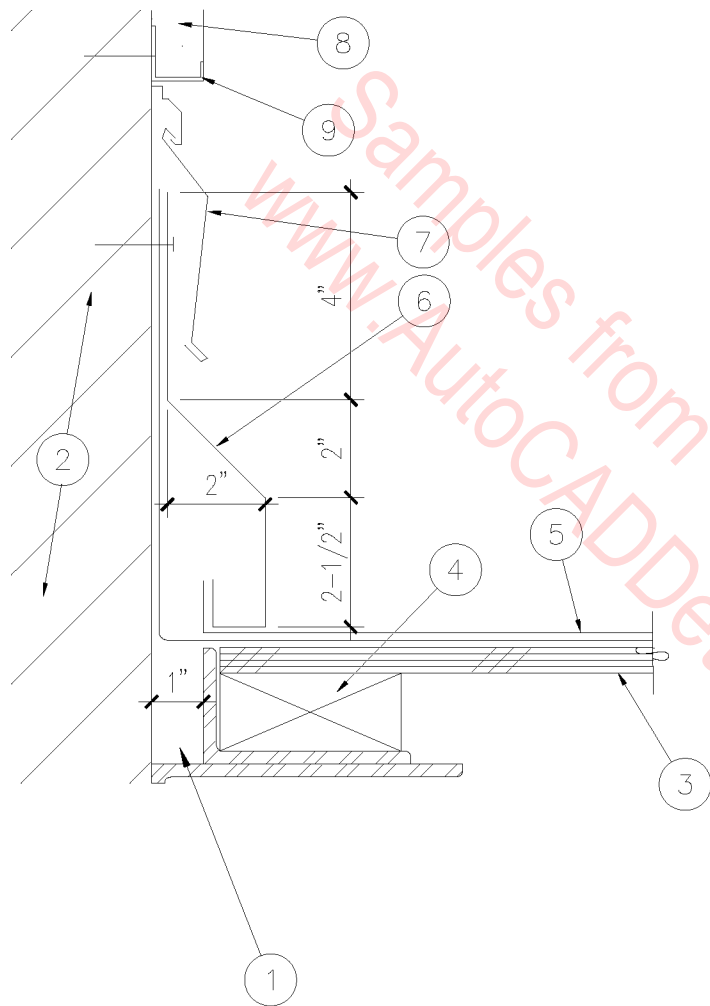
1. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
2. EXPANSION JOINT COVER, COAT ALL NEOPRENE MATERIAL WITH WHITE ELASTOMERIC COATING AFTER INSTALLATION.
3. 4" CANT STRIP.
4. 2 x 8 FIRE RETARDANT TREATED WOOD CURB.
5. STRUCTURAL NAILER.
6. MASONRY WALL.
7. PLYWOOD ROOF DECK.
8. FLASHING SYSTEM BY ROOFING MANUFACTURER.
9. STRUCTURAL SLIP JOINT.
10. REGLET AND COUNTERFLASHING.



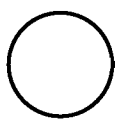
# EXPANSION JOINT COVER

SCALE: 1" = 1'-0"

07D-1022



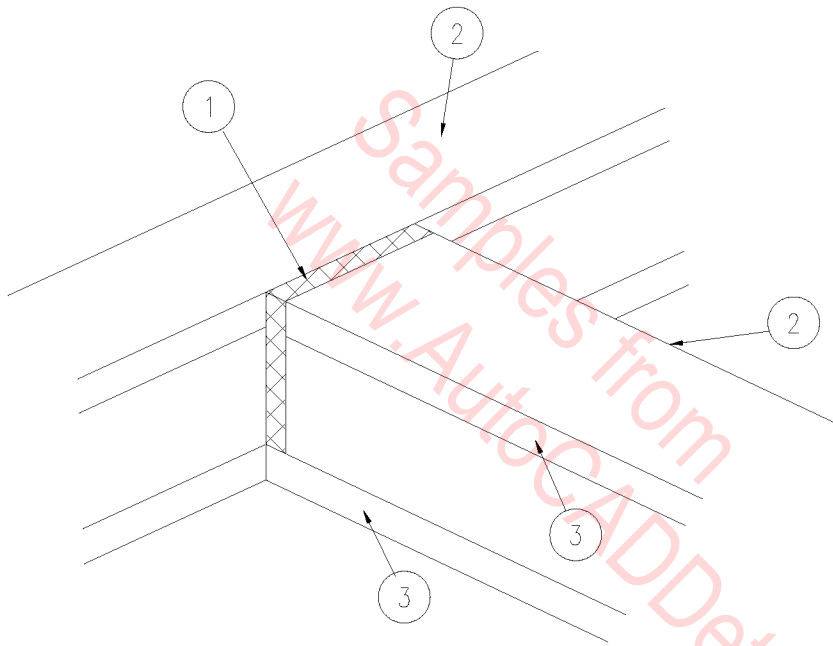
1. STRUCTURAL SLIP JOINT.
2. MASONRY WALL.
3. PLYWOOD DECK.
4. CONTINUOUS NAILER.
5. METAL ROOFING SYSTEM.
6. METAL FLASHING BY METAL ROOFING MANUFACTURER.
7. REGLET AND COUNTERFLASHING SURFACE ATTACHED UNDER STUCCO
8. CEMENT PLASTER.
9. CASING BEAD PARALLEL TO PLANE OF ROOF.
10. 40 MIL ELASTOMERIC MEMBRANE.



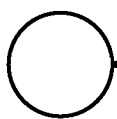
## EXPANSION JOINT

SCALE: 3" = 1'-0"

07D-1023



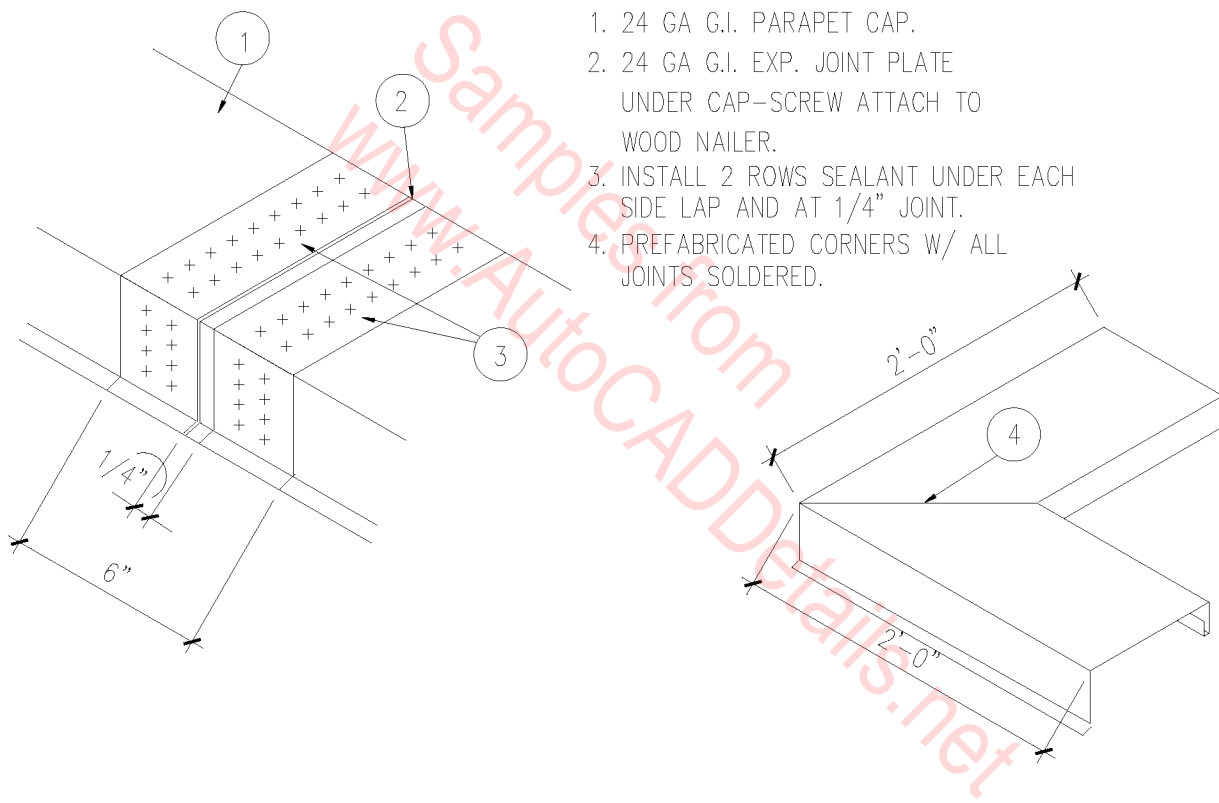
1. PRE-MANUFACTURED COMPRESSIBLE EXP. JOINT FILLER.
2. TOP OF PARAPET WALL.
3. FLASHING.



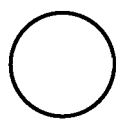
## EXPOSED JOINT

SCALE: 3" = 1'-0"

07D-1024



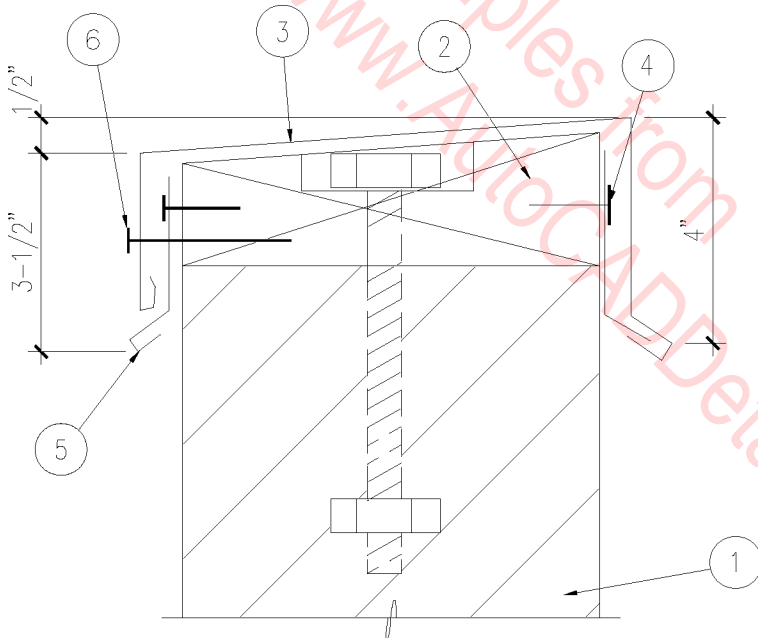
1. 24 GA G.I. PARAPET CAP.
2. 24 GA G.I. EXP. JOINT PLATE  
UNDER CAP—SCREW ATTACH TO  
WOOD NAILER.
3. INSTALL 2 ROWS SEALANT UNDER EACH  
SIDE LAP AND AT 1/4" JOINT.
4. PREFABRICATED CORNERS W/ ALL  
JOINTS SOLDERED.



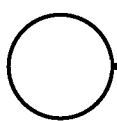
# CAP FLASHING

SCALE: 3" = 1'-0"

07D-1025



1. MASONRY WALL.
2. TAPERED WOOD  
NAILER W/ 1/2"  $\phi$   
X 8" A.B's @ 48" O.C.  
COUNTERSUNK.
3. 24 GA G.I. CAP FLASHING.
4. 12 GA X 2" WIDE  
CONCEALED CLIPS @ 24"  
O.C.-SCREW ATTACH TO  
NAILER W/ #8 X 1"  
COATED SCREWS.
5. 24 GA G.I. HEMMED  
FLASHING SCREW ATTACH  
W/ #8 X 1" COATED  
SCREWS @ 24" O.C.
6. #8 X 1 1/2" COATED  
SCREWS @ 24" O.C.

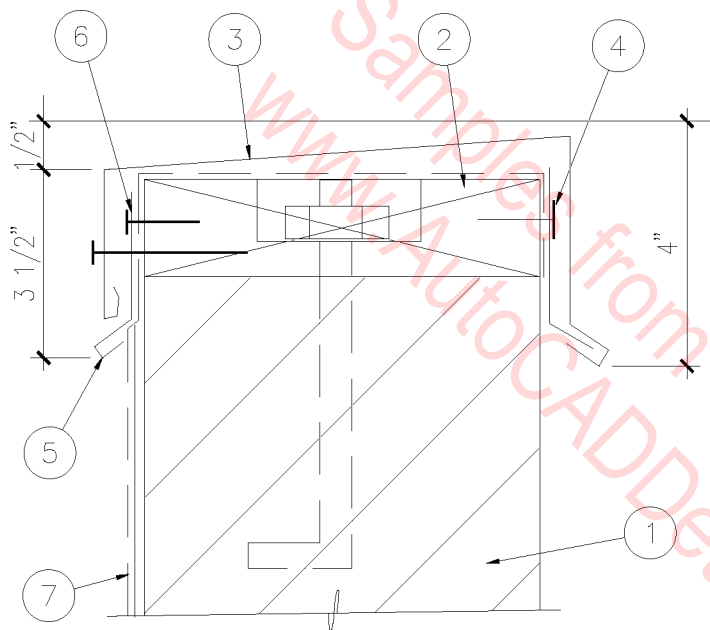


## PARAPET CAP

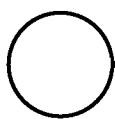
SCALE: 3" = 1'-0"

07D-1026





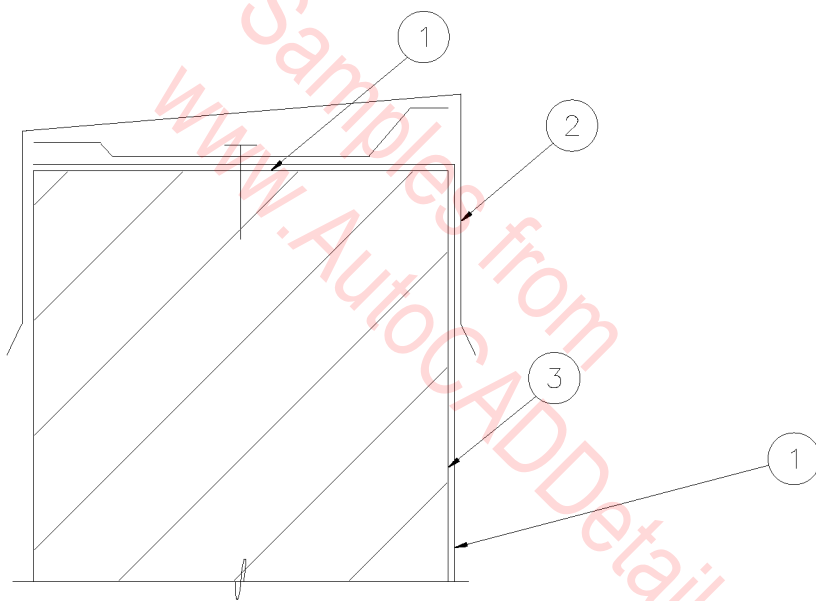
1. MASONRY WALL.
2. TREATED WOOD  
NAILER W/ 1/2"  $\phi$   
X 8" ANCHOR BOLTS @  
48" O.C. COUNTERSUNK.
3. PREFABRICATED METAL  
COPING.
4. 12 GA X 2" WIDE  
CONCEALED CLIPS @ 24"  
O.C.-SCREW ATTACH TO  
NAILER W/ #8 X 1"  
COATED SCREWS.
5. 24 GA. METAL HEMMED  
FLASHING. SCREW ATTACH  
W/ #8 X 1" COATED  
SCREWS @ 24" O.C.
6. #8 X 1 1/2" COATED  
SCREWS @ 24" O.C.
7. ELASTOMERIC COATING ON  
BACK OF PARAPET WALL OR  
COMPOSITE SHEET ROOFING  
WHERE OCCURS.



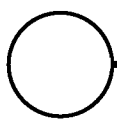
## METAL COPING

SCALE: 1" = 1'-0"

07D-1027



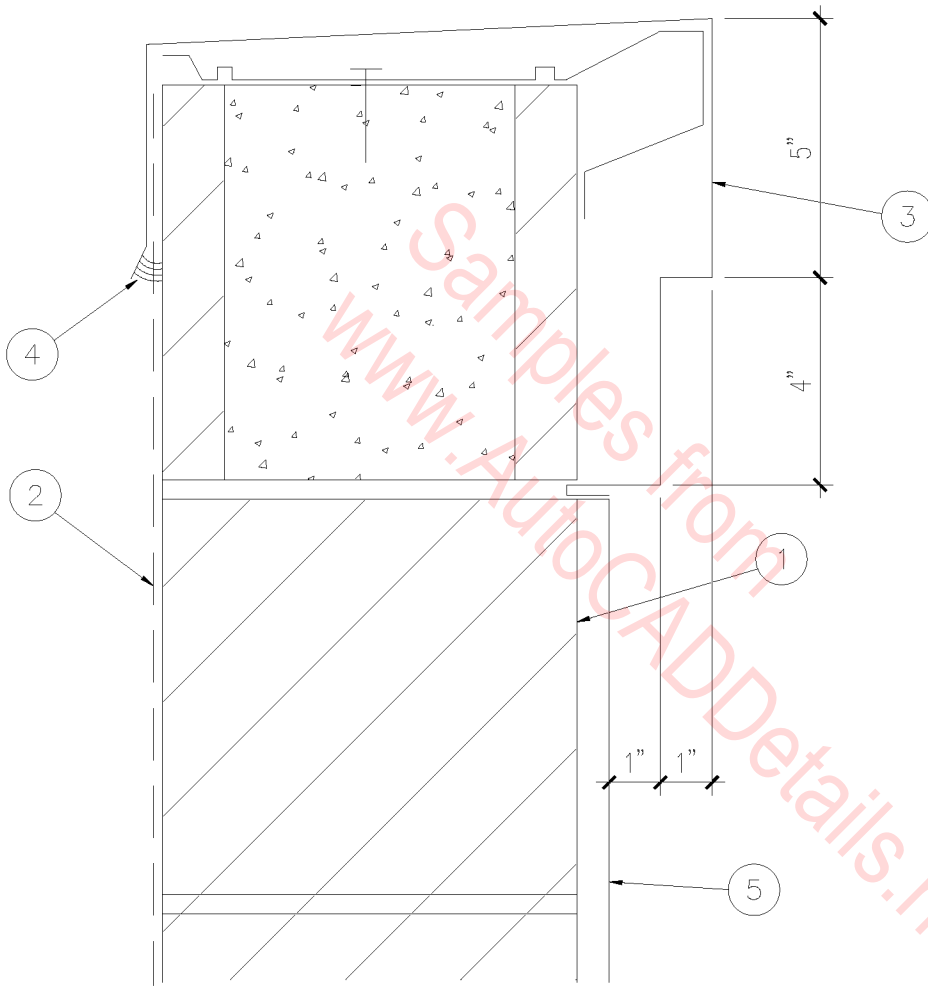
- 1. RUN ELASTOMERIC COATING OVER TOP OF WALL.
- 2. 24 GA. G.I. CAP FLASHING.
- 3. CMU WALL.



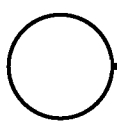
# PARAPET CAP

SCALE: 3" = 1'-0"

07D-1028



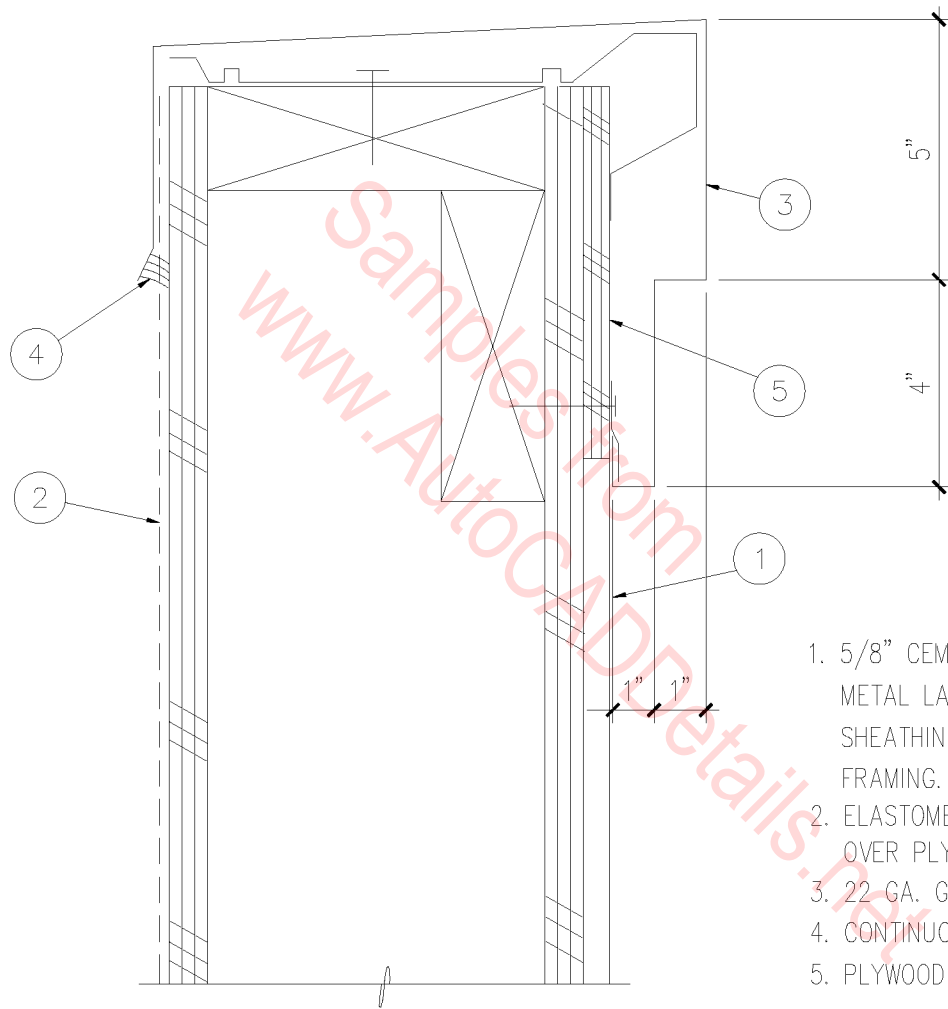
1. MASONRY WALL.
2. ELASTOMERIC COATING.
3. 22 GA. G.I. COPING.
4. SEALANT CONTINUOUS.
5. 5/8" CEMENT PLASTER.



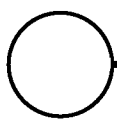
## PARAPET CAP FLASHING

3" = 1'-0"

07D-1029



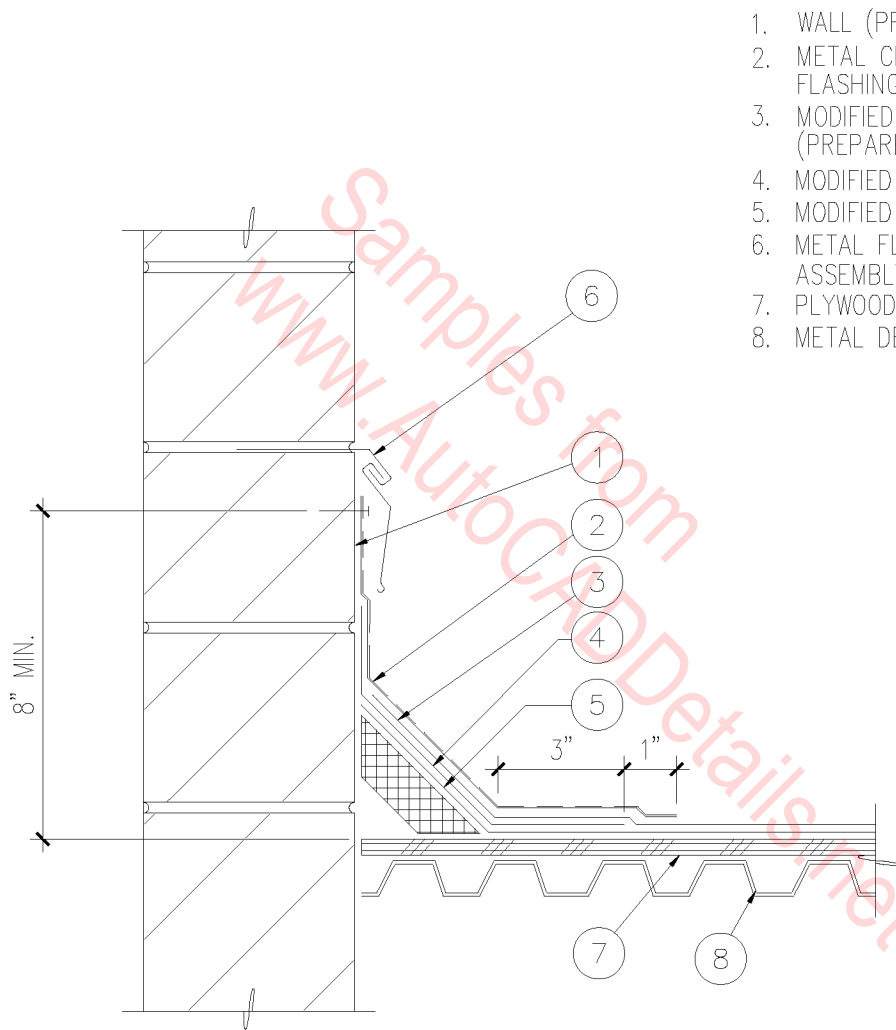
1. 5/8" CEMENT PLASTER ON METAL LATH & PLYWOOD SHEATHING OVER 2X WOOD FRAMING.
2. ELASTOMERIC COATING OVER PLYWOOD SHEATHING.
3. 22-GA. G.I. COPING.
4. CONTINUOUS SEALANT.
5. PLYWOOD BLOCKING.



## PARAPET CAP

SCALE: 3" = 1'-0"

07D-1030

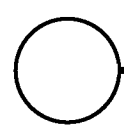


1. WALL (PRIME MASONRY SURFACES).
2. METAL CLAD MODIFIED BITUMEN FLASHING (TORCH & FASTEN 9" O.C.).
3. MODIFIED BITUMEN CAP SHEET (PREPARE GRANULAR SURFACE).
4. MODIFIED BITUMEN REINFORCING SHEET.
5. MODIFIED BITUMEN BASE PLY.
6. METAL FLASHING/COUNTERFLASHING ASSEMBLY.
7. PLYWOOD ROOF SHEATHING.
8. METAL DECK.

8" MIN.

3"

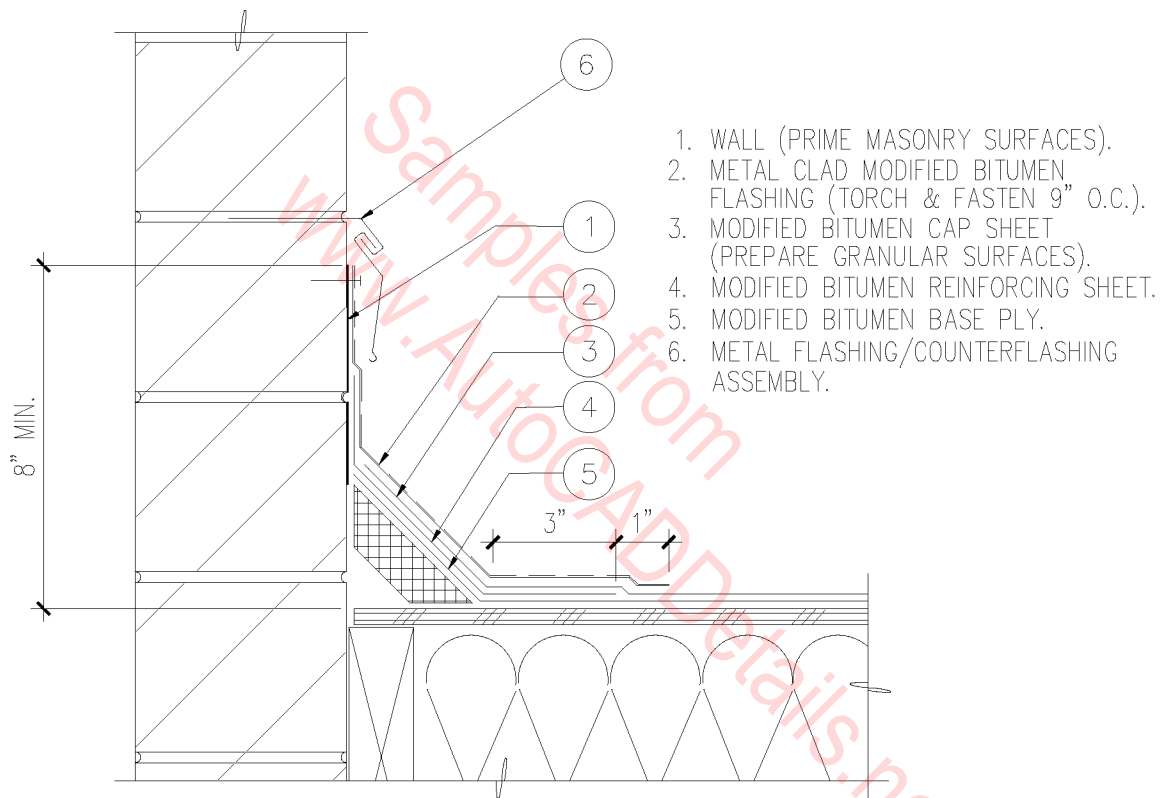
1"



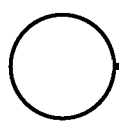
# REGLET AT METAL ROOF

SCALE: 3" = 1'-0"

07D-1031



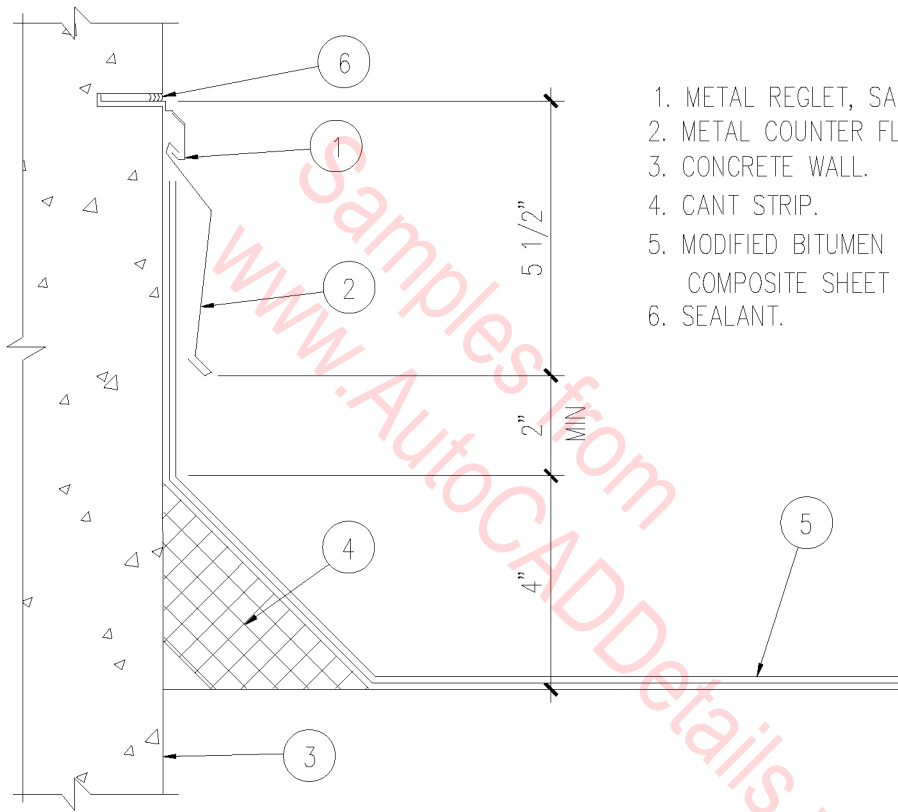
1. WALL (PRIME MASONRY SURFACES).
2. METAL CLAD MODIFIED BITUMEN FLASHING (TORCH & FASTEN 9" O.C.).
3. MODIFIED BITUMEN CAP SHEET (PREPARE GRANULAR SURFACES).
4. MODIFIED BITUMEN REINFORCING SHEET.
5. MODIFIED BITUMEN BASE PLY.
6. METAL FLASHING/COUNTERFLASHING ASSEMBLY.



## REGLET AT CMU WALL

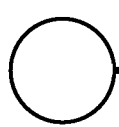
SCALE: 3" = 1'-0"

07D-1032



1. METAL REGLET, SAW CUT GROOVE.
2. METAL COUNTER FLASHING.
3. CONCRETE WALL.
4. CANT STRIP.
5. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
6. SEALANT.

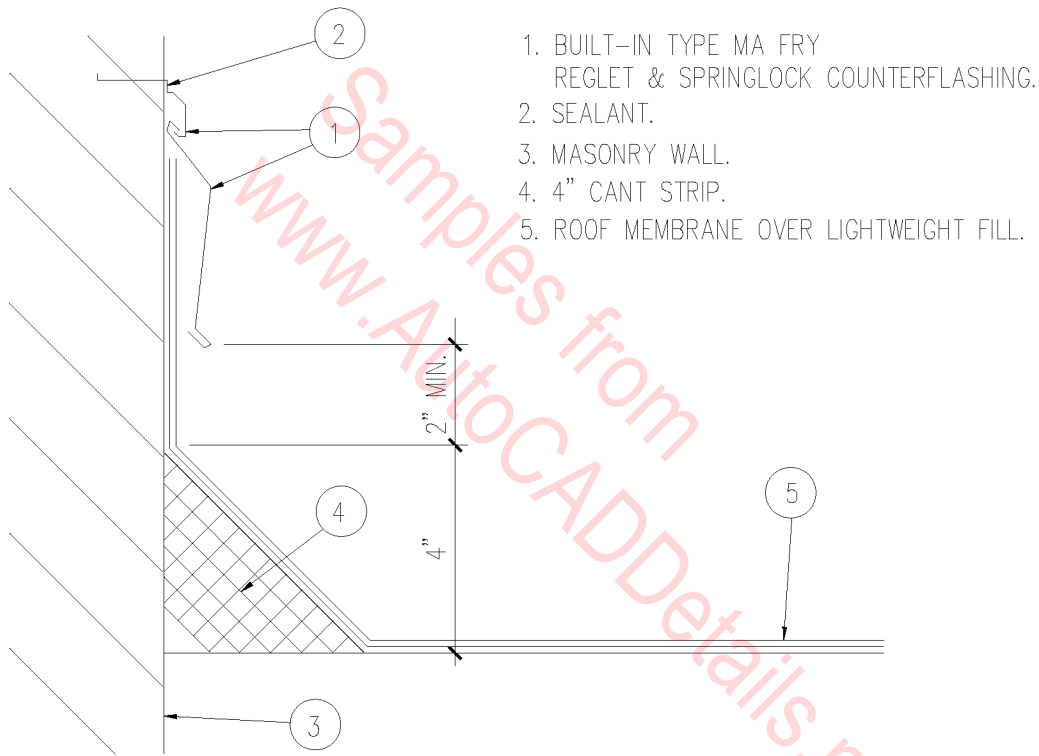
www.AutocADDetails.net



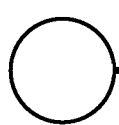
## REGLET AT C.I.P. WALL

SCALE: 3" = 1'-0"

07D-1033



1. BUILT-IN TYPE MASONRY REGLET & SPRINGLOCK COUNTERFLASHING.
2. SEALANT.
3. MASONRY WALL.
4. 4" CANT STRIP.
5. ROOF MEMBRANE OVER LIGHTWEIGHT FILL.

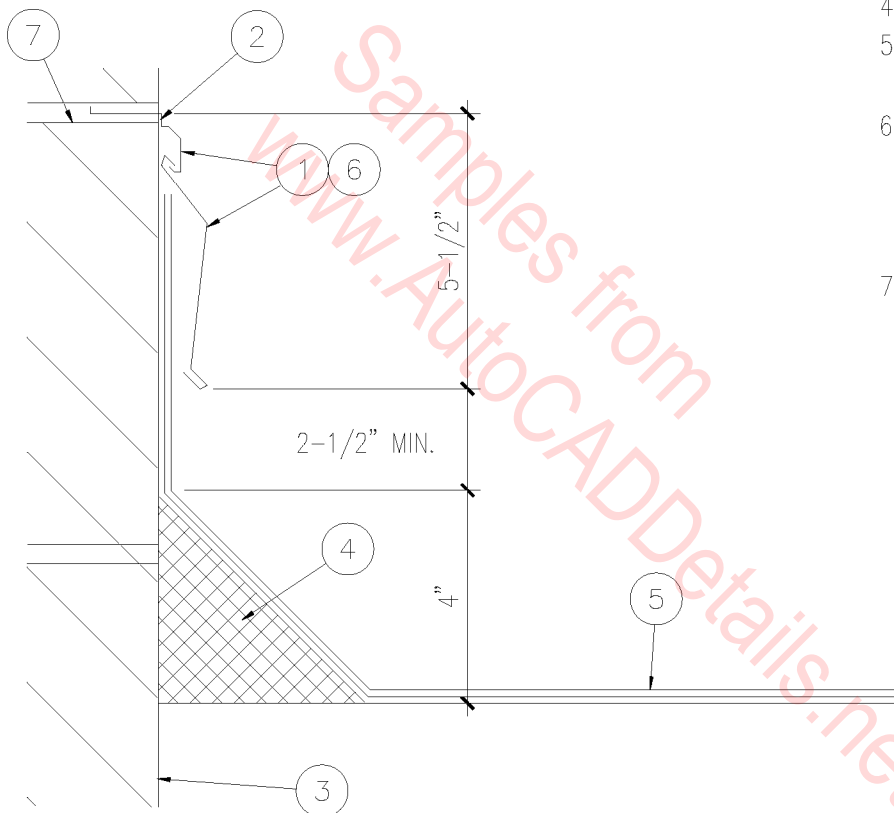


# REGLET AT CMU WALL

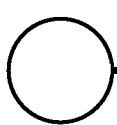
SCALE: 3" = 1'-0"

07D-1034





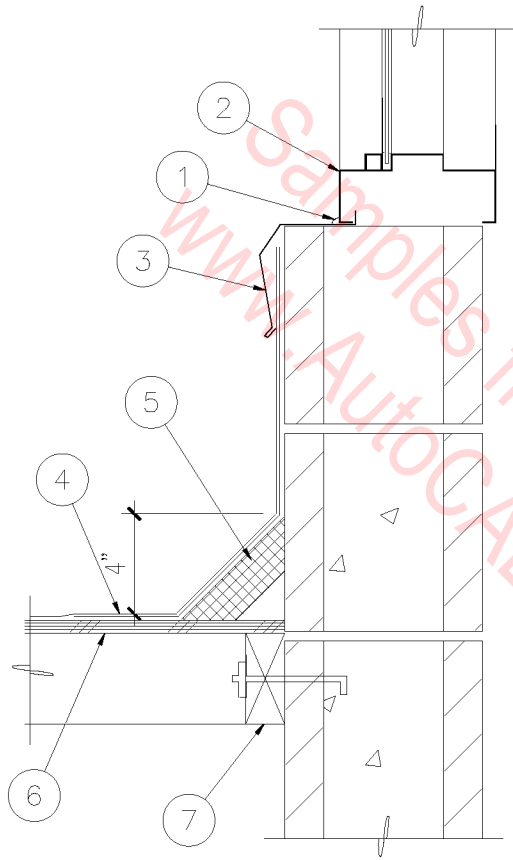
1. BUILT-IN TYPE MASONRY REGLET IN MORTAR JOINT & SPRINGLOCK COUNTERFLASHING.
2. SEALANT.
3. MASONRY WALL.
4. 4" CANT STRIP.
5. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
6. STEP FLASHING DOWN WITH SLOPE OF ROOF. PROVIDE TERMINATION BARS AT VERTICAL EDGES OF ROOFING MEMBRANE.
7. MORTAR JOINT.



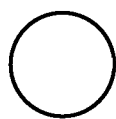
## FLASHING AT CANT

SCALE: 3" = 1'-0"

07D-1035



1. SEALANT.
2. HOLLOW METAL FRAME.
3. 26 GAUGE GALVANIZED SHEET METAL COUNTERFLASHING.
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
5. 4" CANT STRIP.
6. PLYWOOD ROOF DECK.
7. 2 X 4 FIRE RETARDANT WOOD LEDGER, CONTINUOUS.

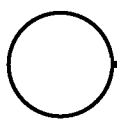
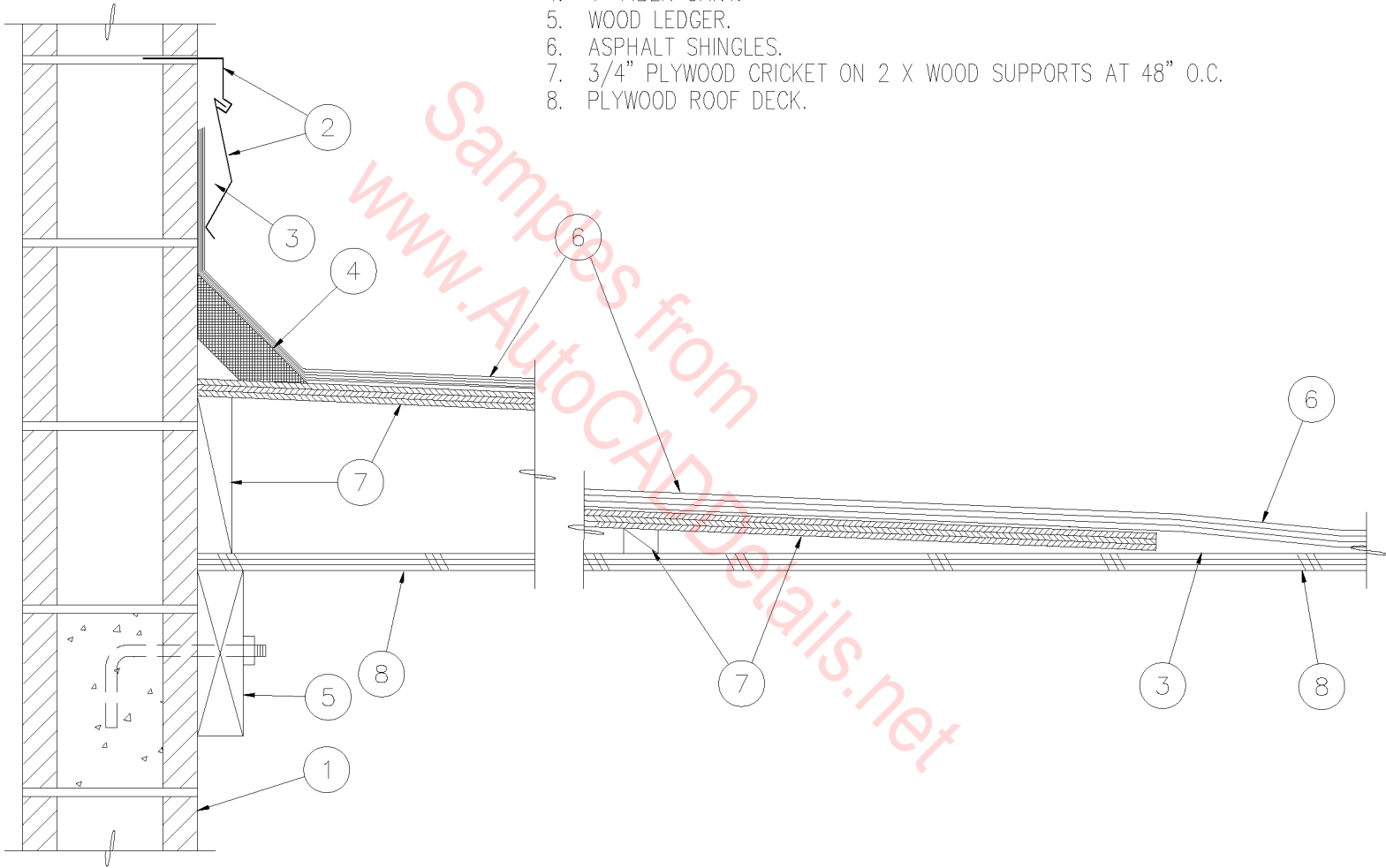


## FLASHING AT WINDOW

SCALE: 1 1/2" = 1'-0"

07D-1036

1. 8" C.M.U PARAPET WITH ELASTOMERIC COATING.
2. G.I. REGLET & COUNTER FLASHING.
3. 22 GA. G.I. SHEET METAL FLASHING WITH CONTINUOUS HEM.
4. 4" FIBER CANT.
5. WOOD LEDGER.
6. ASPHALT SHINGLES.
7. 3/4" PLYWOOD CRICKET ON 2 X WOOD SUPPORTS AT 48" O.C.
8. PLYWOOD ROOF DECK.

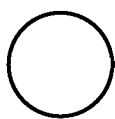
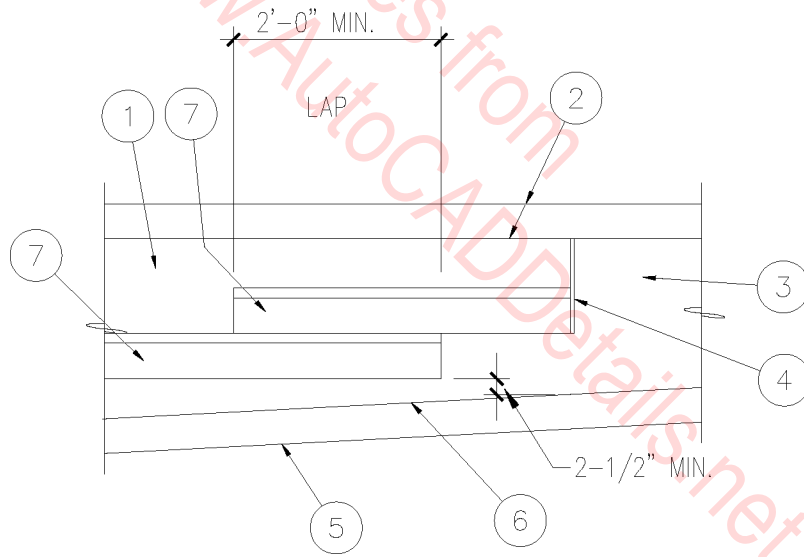


## PLYWOOD CRICKET

SCALE: 1 1/2" = 1'-0"

07D-1037

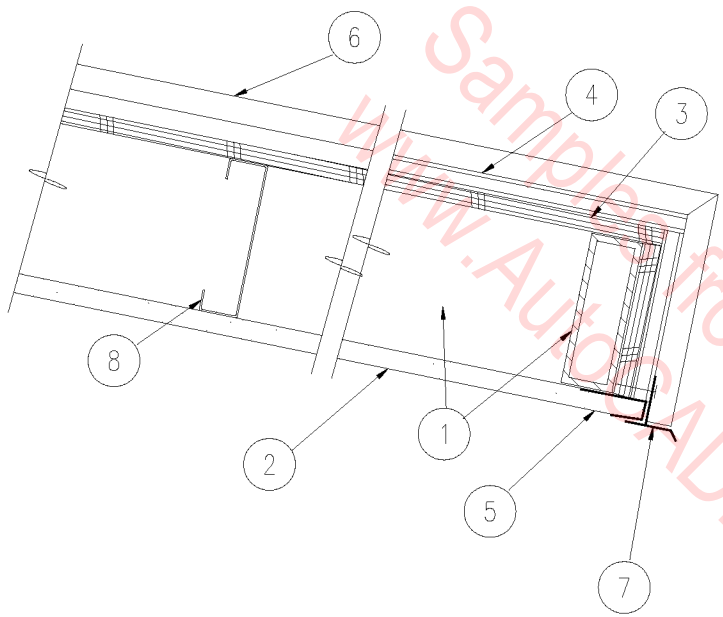
- |   |                              |
|---|------------------------------|
| 1. MASONRY WALL.  | 4. TERMINATION BAR.          |
| 2. PREFABRICATED METAL COPING.  | 5. ROOF DECK.                |
| 3. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.   | 6. CANT STRIP.               |
| WHERE PARAPET IS 3'-0" OR LESS ABOVE ROOF DECK, ROOFING IS CONTINUOUS UP WALL AND UNDER METAL COPING. | 7. REGLET & COUNTERFLASHING. |



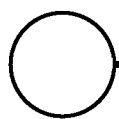
# STEPPED FLASHING

SCALE: 1" = 1'-0"

07D-1038



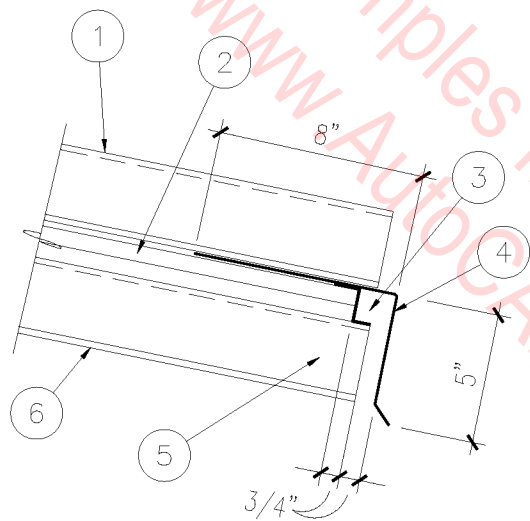
1. 6" X 2" X 3/16" STEEL TUBE FRAMING.
2. 3/4" PLASTER.
3. 5/8" FIRE TREATED PLYWOOD SHEATHING.
4. 3/4" GYP. BOARD.
5. CASING BEAD.
6. STANDING SEAM METAL ROOFING.
7. CONTINUOUS DRIP EDGE.
8. 6"X 18 GA. STEEL JOISTS AT 12" O.C. W/ 18 GA. STEEL TRACK AT EACH END.



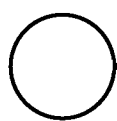
## METAL ROOF OVERHANG

1 1/2" = 1'-0"

07D-1039



1. METAL ROOF SYSTEM.
2. (2) LAYERS; 1/2" HIGH DENSITY WATER RESISTANT GYPSUM BOARD.
3. 'Z' CHANNELS AT 24" O.C.
4. METAL DRIP EDGE.
5. INDICATES EDGE OF GYPSUM BOARD.
6. ROOF DECK METAL DECKING.



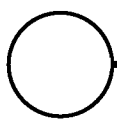
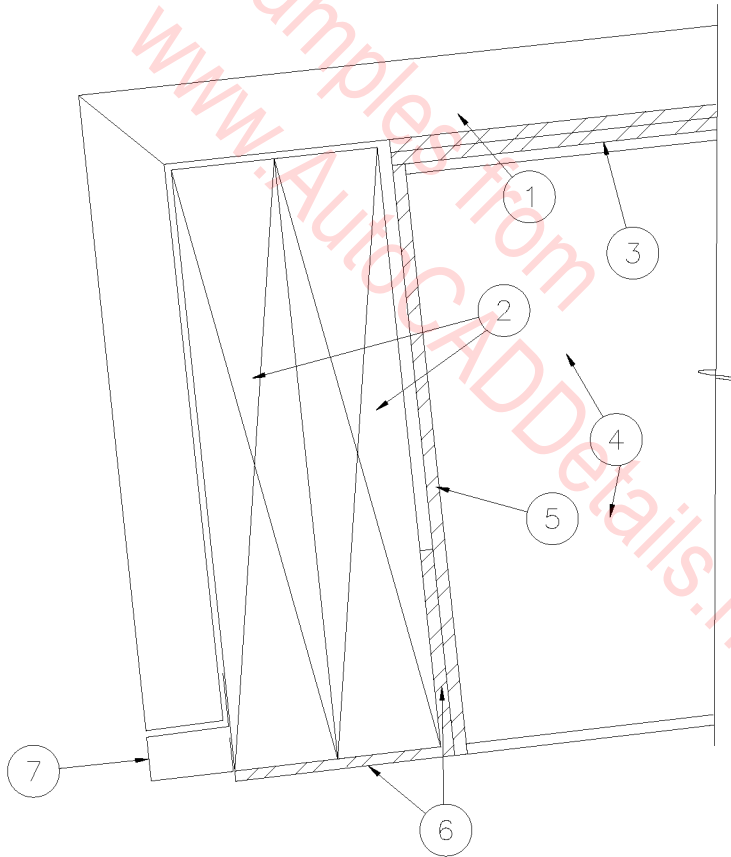
## METAL ROOF OVERHANG

SCALE: 1 1/2" = 1'-0"

07D-1040

1. STANDING SEAM METAL ROOF SYSTEM.
2. PAIRED 2X12 FASCIA – BOLTED TO PLATE.
3. ROOF DECK.
4. STEEL BEAM.

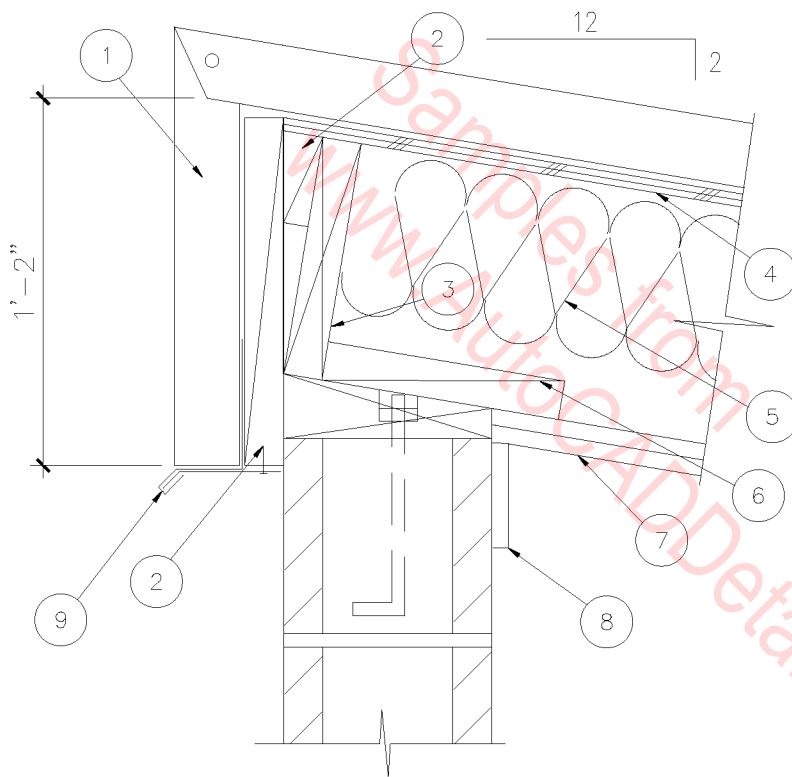
5. EXISTING STEEL PLATE.
6. STEEL ANGLE.
7. METAL DRIP FLASHING.



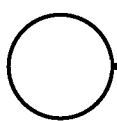
## METAL ROOF OVERHANG

SCALE: 3" = 1'-0"

07D-1041



1. PREFORMED METAL ROOF SYSTEM.
2. WOOD BLOCKING.
3. WOOD RIM JOISTS.
4. PLYWOOD SHEATHING.
5. UNFACED THERMAL BATT INSULATION.
6. 2x WOOD NAILER.
7. LAYER; 5/8" TYPE 'X' GYPSUM BOARD AT BOTTOM OF JOISTS.
8. 5/8" TYPE 'X' GYPSUM BOARD.
9. METAL DRIP EDGE – SIMILAR ON ALL SIDES.



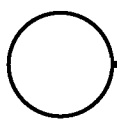
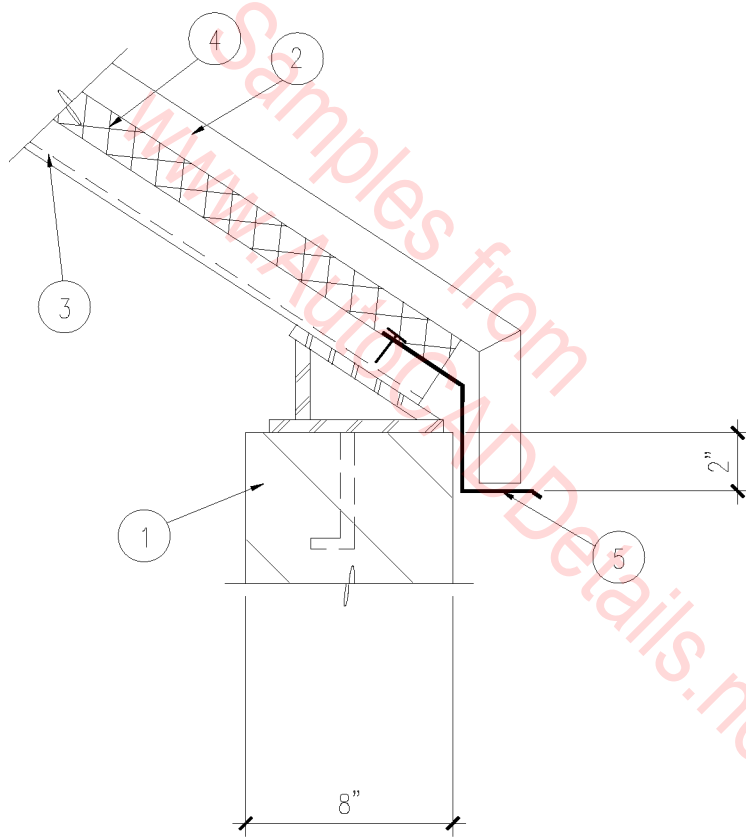
## METAL ROOF FASCIA

SCALE: 1 1/2" = 1'-0"

07D-1042



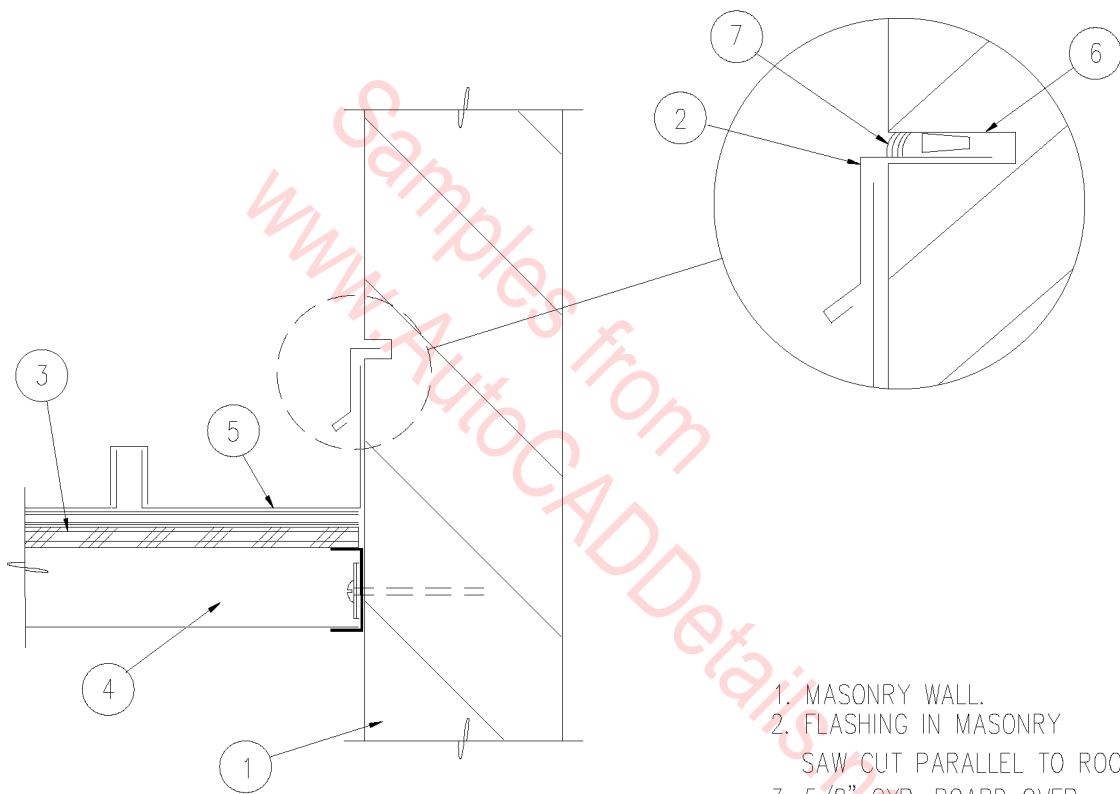
1. MASONRY WALL.
2. METAL ROOFING.
3. METAL DECK.
4. RIGID INSULATION.
5. 24 GA. DRIP EDGE.



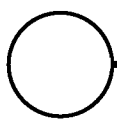
## METAL ROOF OVERHANG

SCALE: 1 1/2" = 1'-0"

07D-1043



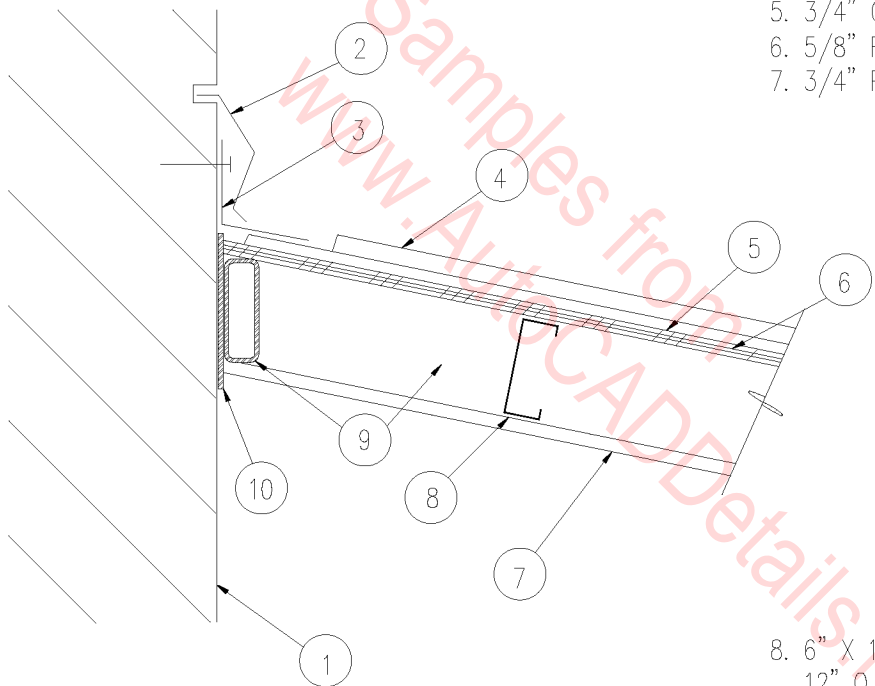
1. MASONRY WALL.
2. FLASHING IN MASONRY  
SAW CUT PARALLEL TO ROOF.
3. 5/8" GYP. BOARD OVER  
PLYWOOD SHEATHING.
4. METAL FRAMING.
5. STANDING SEAM METAL ROOFING.
6. LEAD SHIM.
7. SEALANT.



## REGLET AT METAL ROOF

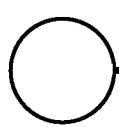
SCALE: 1 1/2" = 1'-0"

07D-1044



1. MASONRY WALL.
2. REGLET & COUNTER FLASHING.
3. 12 GA. GI CONT. FLASHING.
4. METAL ROOFING.
5. 3/4" GYP. BOARD.
6. 5/8" FIRE TREATED PLYWOOD DECK.
7. 3/4" PLASTER.

8. 6" X 18 GA. STEEL JOISTS AT 12" O.C. W/ 18 GA. STEEL TRACK AT EACH END.
9. 6" X 2" X 3/16" STEEL TUBE.
10. CONT. 9" X 1/4" STEEL PLATE EMBED.

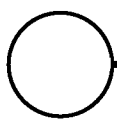
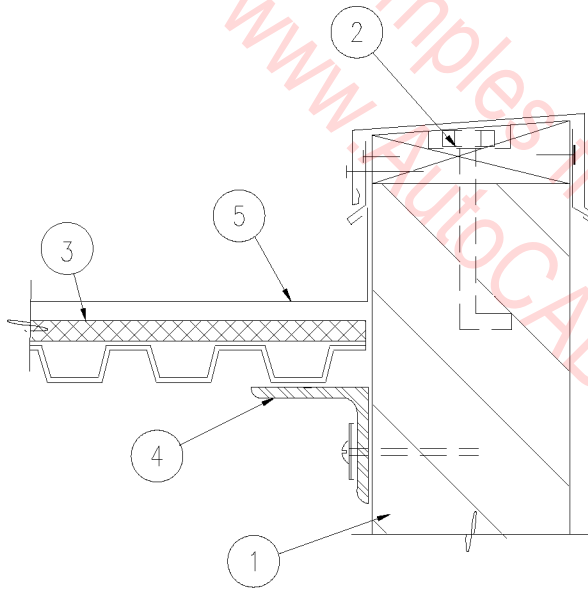


# METAL ROOF FLASHING

SCALE: 1" = 1'-0"

07D-1045

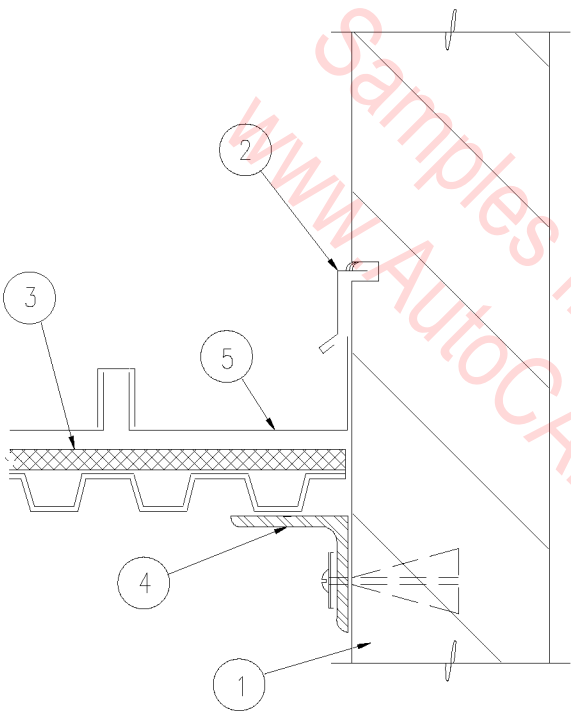
1. MASONRY WALL.
2. PARAPET CAP.
3. RIGID INSULATION  
OVER METAL DECK.
4. STEEL ANGLE LEDGER.
5. METAL ROOFING.



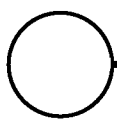
## METAL ROOF AT PARAPET

SCALE: 1 1/2" = 1'-0"

07D-1046



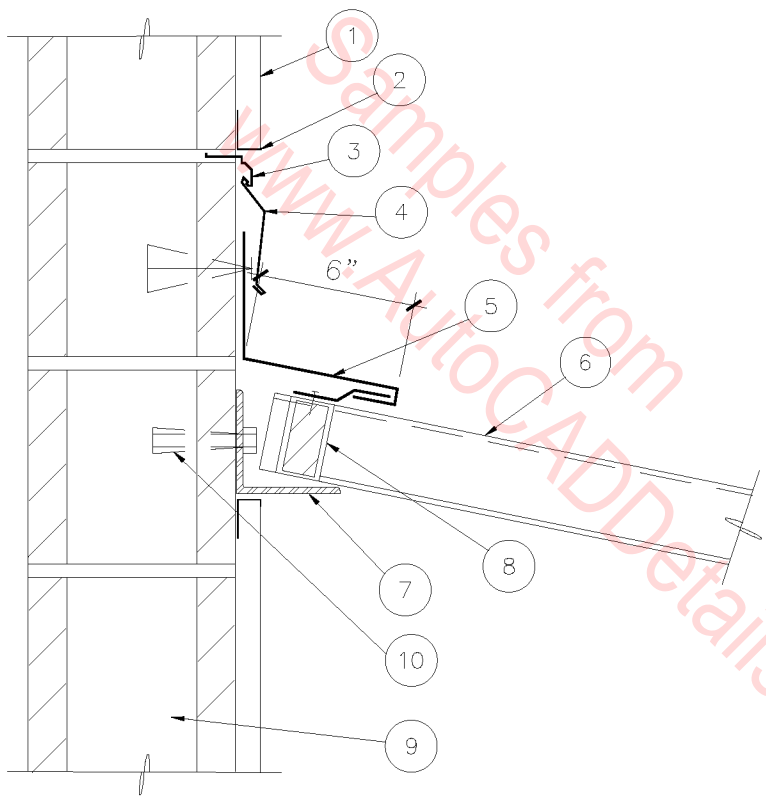
1. MASONRY WALL.
2. REGLET AND COUNTER FLASHING.
3. RIGID INSULATION OVER METAL DECK.
4. STEEL ANGLE LEDGER.
5. STANDING SEAM METAL ROOF.



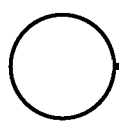
## METAL ROOF AT PARAPET

SCALE: 1 1/2" = 1'-0"

07D-1047



1. CEMENT PLASTER.
2. 'J' MOLDING.
3. REGLET.
4. COUNTERFLASHING.
5. METAL FLASHING.
6. METAL DECK.
7. STRUCTURAL ANGLE.
8. NEOPRENE AND METAL CLOSER.
9. MASONRY WALL.
10. EXPANSION ANCHOR.

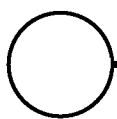
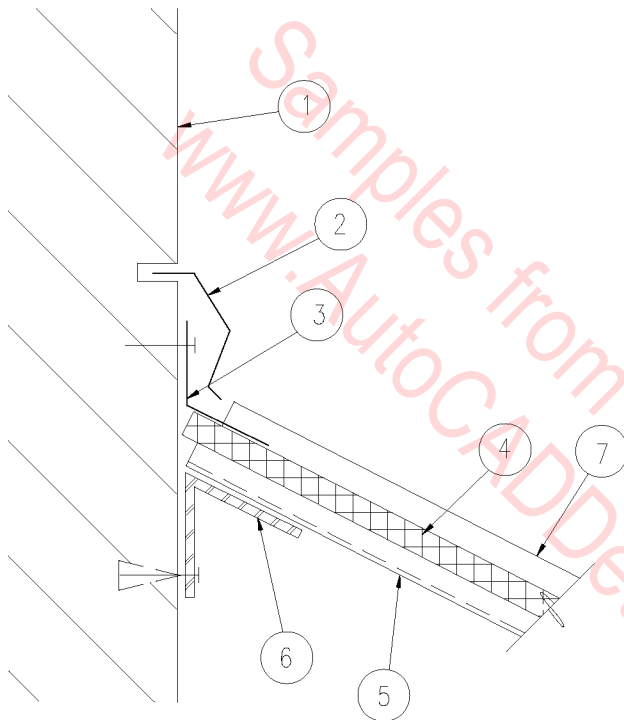


## METAL DECK ROOF EDGE

SCALE: 1 1/2" = 1'-0"

07D-1048

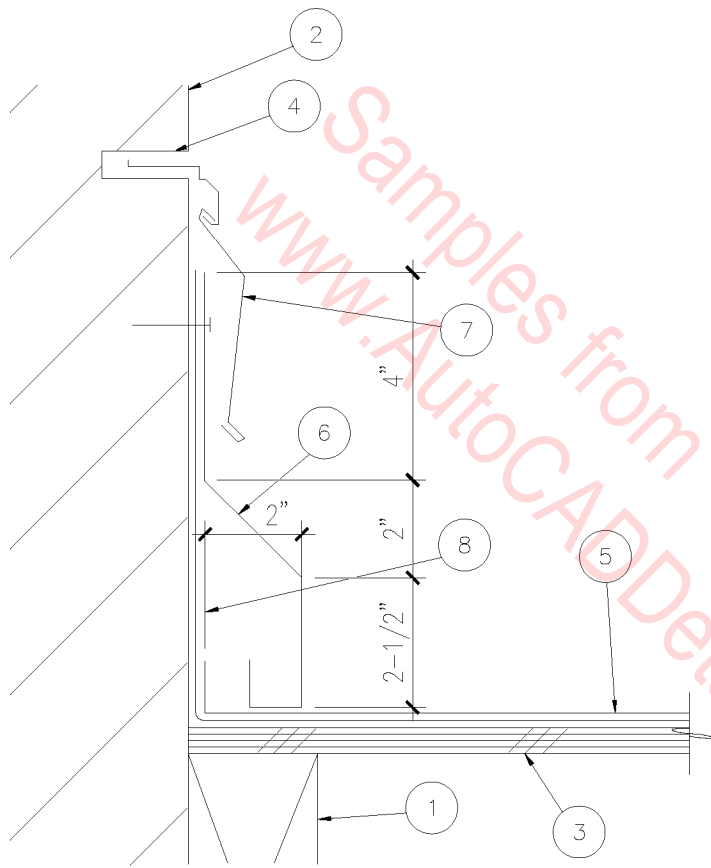
1. MASONRY WALL.
2. REGLET & COUNTER FLASHING.
3. 12 GA. GI CONT. FLASHING.
4. RIGID INSULATION.
5. METAL DECK.
6. CONT. STEEL BENT PLATE BOLTED TO WALL.
7. METAL ROOFING.



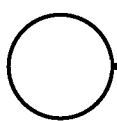
## METAL ROOF FLASHING

SCALE: 1" = 1'-0"

07D-1049



1. LEDGER.
2. MASONRY WALL.
3. PLYWOOD DECK.
4. 1-1/2" DEEP X 3/8" WIDE SAWCUT, CONTINUOUS PARALLEL TO PLANE OF ROOF.
5. METAL ROOFING SYSTEM.
6. METAL FLASHING BY METAL ROOFING MANUFACTURER.
7. REGLET AND COUNTERFLASHING.
8. 40 MIL ELASTOMERIC MEMBRANE.

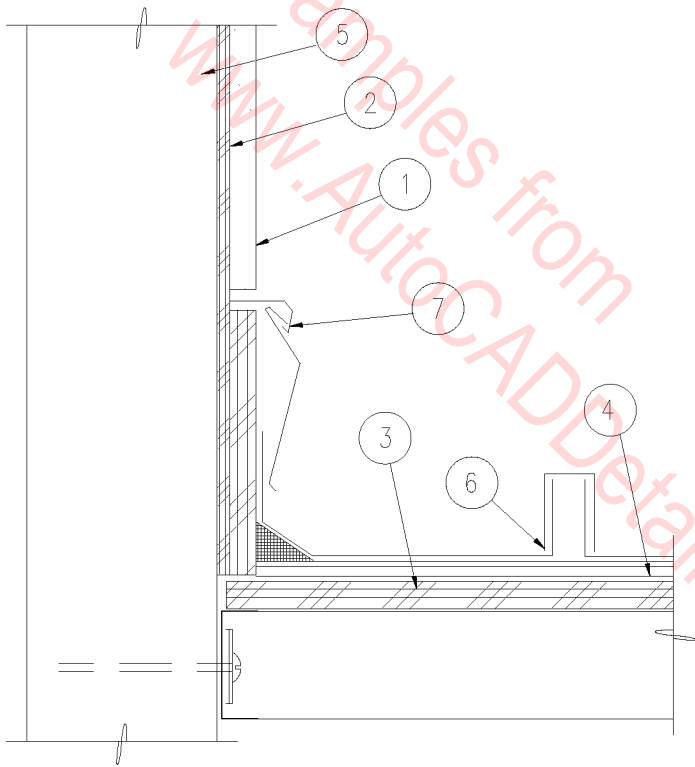


## FLASHING DETAIL

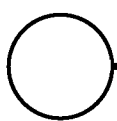
SCALE: 1" = 1'-0"

07D-1050





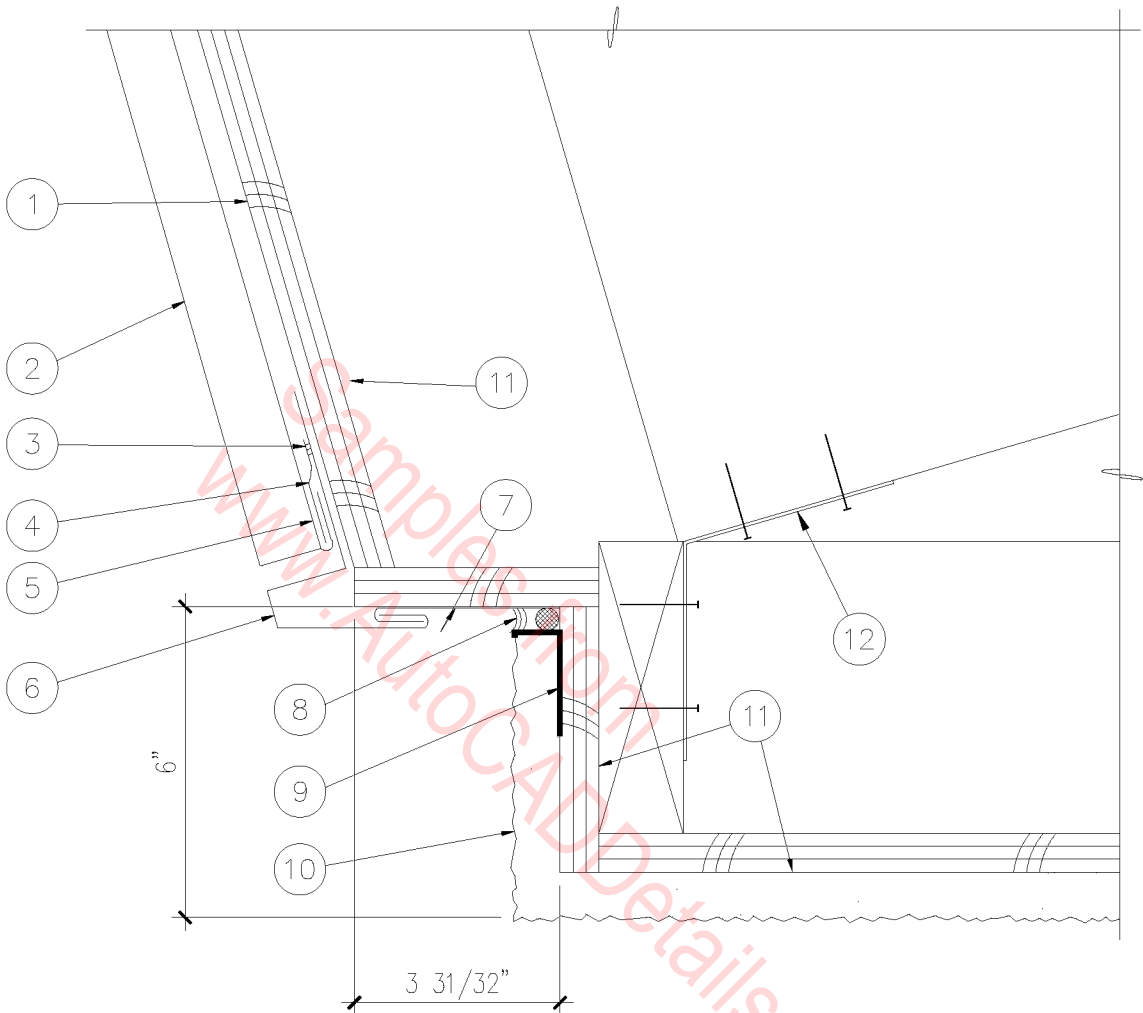
1. CEMENT 3/4" PLASTER.
2. 3/8" FIRE TREATED PLYWOOD SHEATHING.
3. 3/4" FIRE TREATED PLYWOOD SHEATHING.
4. 5/8" GYP. BOARD.
5. METAL STUD FRAMING.
6. METAL ROOFING.
7. REGLET AND FLASHING.



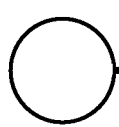
## METAL ROOF

SCALE: 1 1/2" = 1'-0"

07D-1051



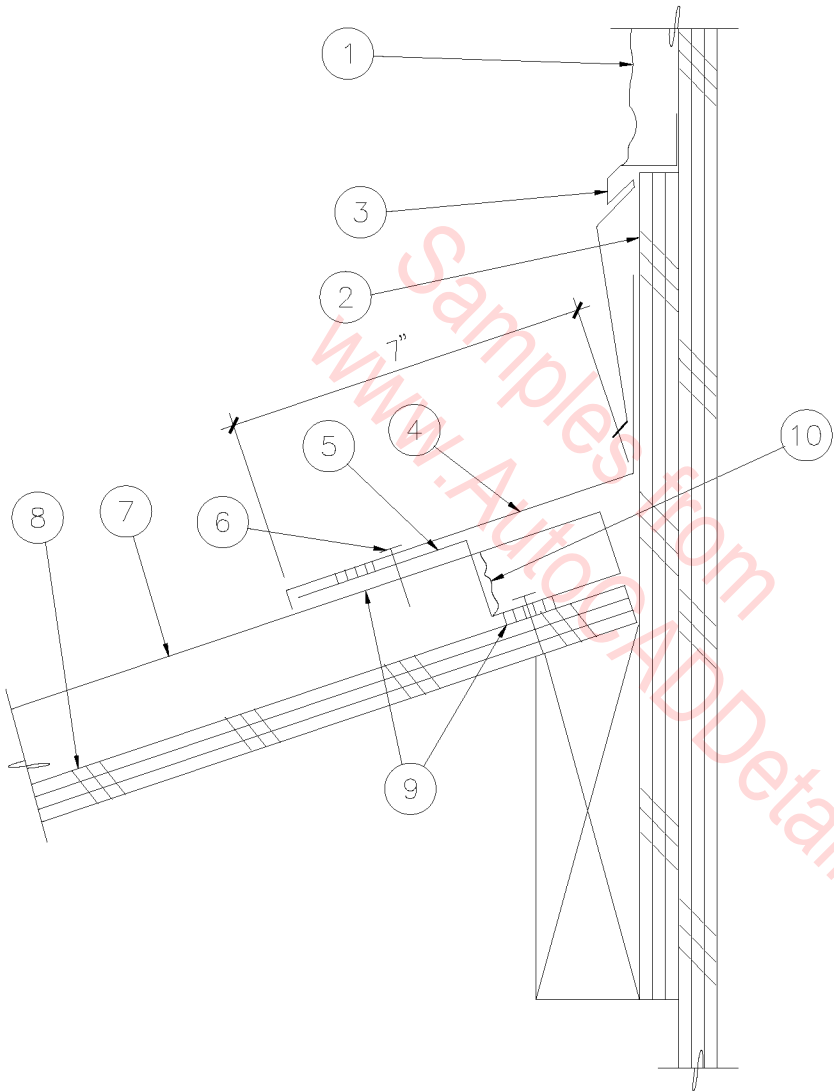
- |  |  |
|--|--|
| 1. PLYWOOD SHEATHING.  | 6. METAL DRIP FLASHING.                |
| 2. STANDING SEAM PANEL SYSTEM.   | 7. METAL SOFFIT TRIM.                  |
| 3. CONT. TAPE SEALANT BETWEEN HOOK STRIP AND DRIP FLASHING. NAIL THROUGH POINT OF FLASHING AT 12" O.C. | 8. SEALANT & BACKER ROD.               |
| 4. METAL HOOK STRIP.   | 9. PLASTER CASING TRIM.                |
| 5. MODIFY PANEL END TO CREATE HOOK.  | 10. 3/4" CEMENT PLASTER ON METAL LATH. |
|  | 11. FACE OF FASCIA FRAMING.            |
|  | 12. SIMPSON A35 ANGLE CLIP.            |



# METAL ROOF FASCIA

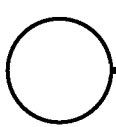
3" = 1'-0"

07D-1052



1. CEMENT PLASTER ON METAL LATH & PLYWOOD SHEATHING OVER 2X WOOD FRAMING.
2. PLYWOOD BLOCKING.
3. METAL COUNTERFLASHING.
4. METAL FLASHING.
5. METAL Z-CLOSURE.
6. POP RIVET FLASHING TO Z-CLOSURE AT 24" O.C. MAX.
7. STANDING SEAM ROOF PANEL SYSTEM.
8. PLYWOOD ROOF DECK.
9. CONT. TAPE SEALANT BETWEEN FLASHING & Z-CLOSURE, AND BETWEEN Z-CLOSURE & ROOF PANEL.
10. CAULK BACK SIDE OF Z-CLOSURE AGAINST STANDING SEAM.

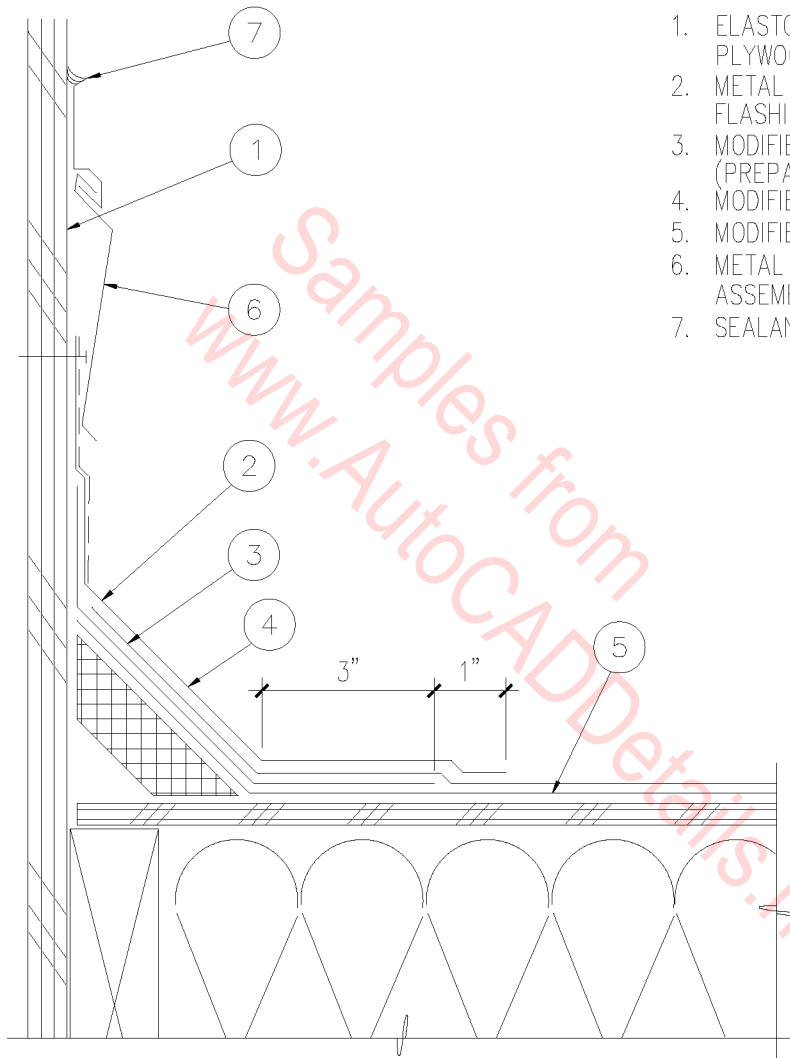
NOTE: ALL METAL REGLETS, FLASHING, COUNTERFLASHING AND Z-CLOSURES TO BE FINISHED TO MATCH ROOF PANEL SYSTEM.



# METAL ROOF AT WALL

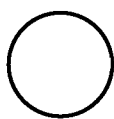
SCALE: 3" = 1'-0"

07D-1053



1. ELASTOMERIC COATING OVER PLYWOOD SHEATHING ON 2X WOOD FRAMING.
2. METAL CLAD MODIFIED BITUMEN FLASHING (TORCH & FASTEN 9" O.C.).
3. MODIFIED BITUMEN CAP SHEET (PREPARE GRANULAR SURFACE).
4. MODIFIED BITUMEN REINFORCING SHEET.
5. MODIFIED BITUMEN BASE PLY.
6. METAL FLASHING/COUNTERFLASHING ASSEMBLY.
7. SEALANT.

Samples from  
www.AutoCADDetails.net

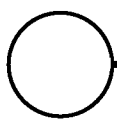
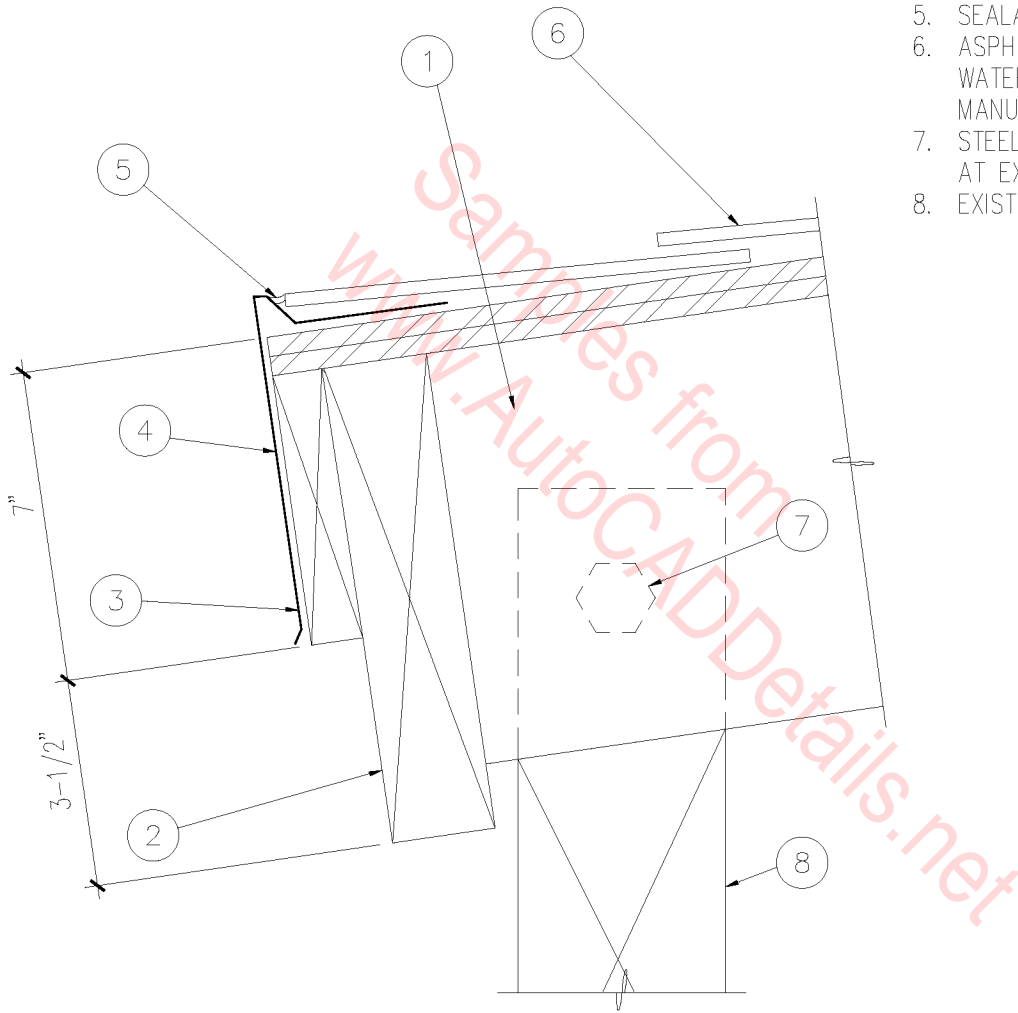


## REGLET FLASHING

SCALE: 3" = 1'-0"

07D-1054

1. ROOF DECK AND STRUCTURE.
2. 2X10 WOOD FASCIA.
3. 1X6 WOOD TRIM.
4. 24 GA. GALV. SHEET METAL FLASHING.
5. SEALANT CONTINUOUS.
6. ASPHALT SHINGLES WITH WATERPROOF UNDERLAYMENT PER MANUFACTURER'S SPECIFICATIONS.
7. STEEL BRACKET AND THROUGH BOLT AT EXISTING - WHERE OCCURS.
8. EXISTING BEAM - WHERE OCCURS.

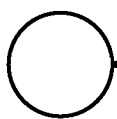
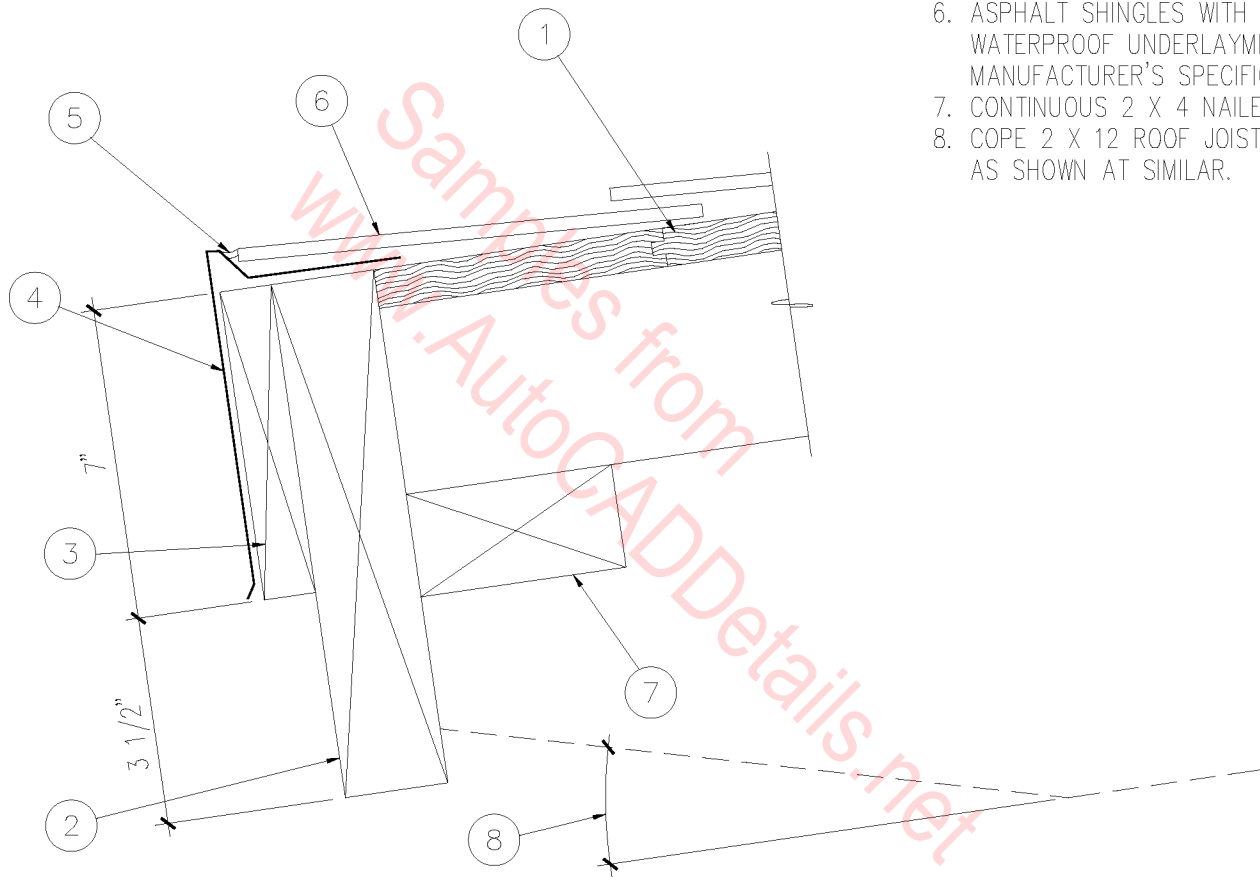


# ROOF FASCIA

SCALE: 3" = 1'-0"

07D-1055

1. PLANK ROOFING.
2. 2X10 WOOD FASCIA.
3. 1X6 WOOD TRIM.
4. 24 GA. GALV. SHEET METAL FLASHING.
5. SEALANT – CONTINUOUS.
6. ASPHALT SHINGLES WITH WATERPROOF UNDERLAYMENT PER MANUFACTURER'S SPECIFICATIONS
7. CONTINUOUS 2 X 4 NAILER.
8. COPE 2 X 12 ROOF JOISTS AS SHOWN AT SIMILAR.

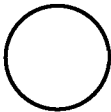
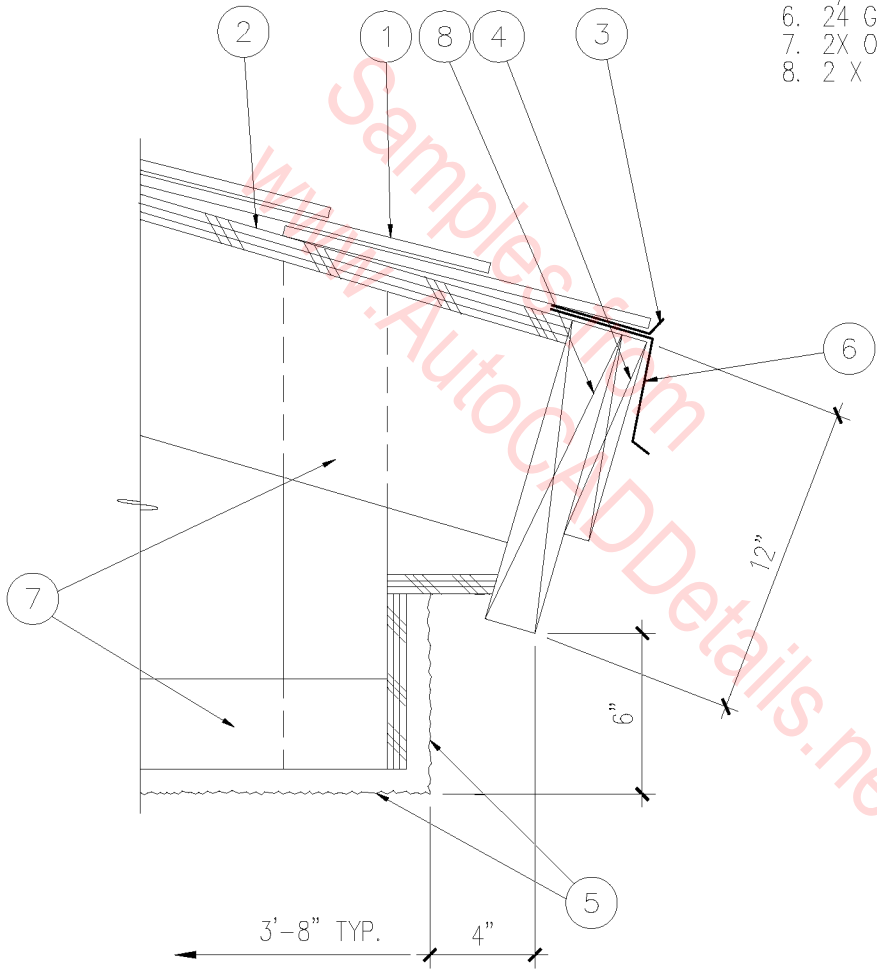


# ROOF FASCIA

SCALE: 3" = 1'-0"

07D-1056

1. ASPHALT SHINGLES WITH WATERPROOF UNDERLAYMENT PER MANUFACTURER'S SPECIFICATIONS.
2. PLYWOOD SHEATHING.
3. 24 GA. G.I. FLASHING-PAINTED.
4. 1 X 8 CONTINUOUS WOOD NAILER.
5. 3/4" CEMENT PLASTER ON METAL LATH.
6. 24 GA. GALV. SHEET METAL DRIP.
7. 2X OVERHANG FRAMING.
8. 2 X 12 CONTINUOUS WOOD FASCIA

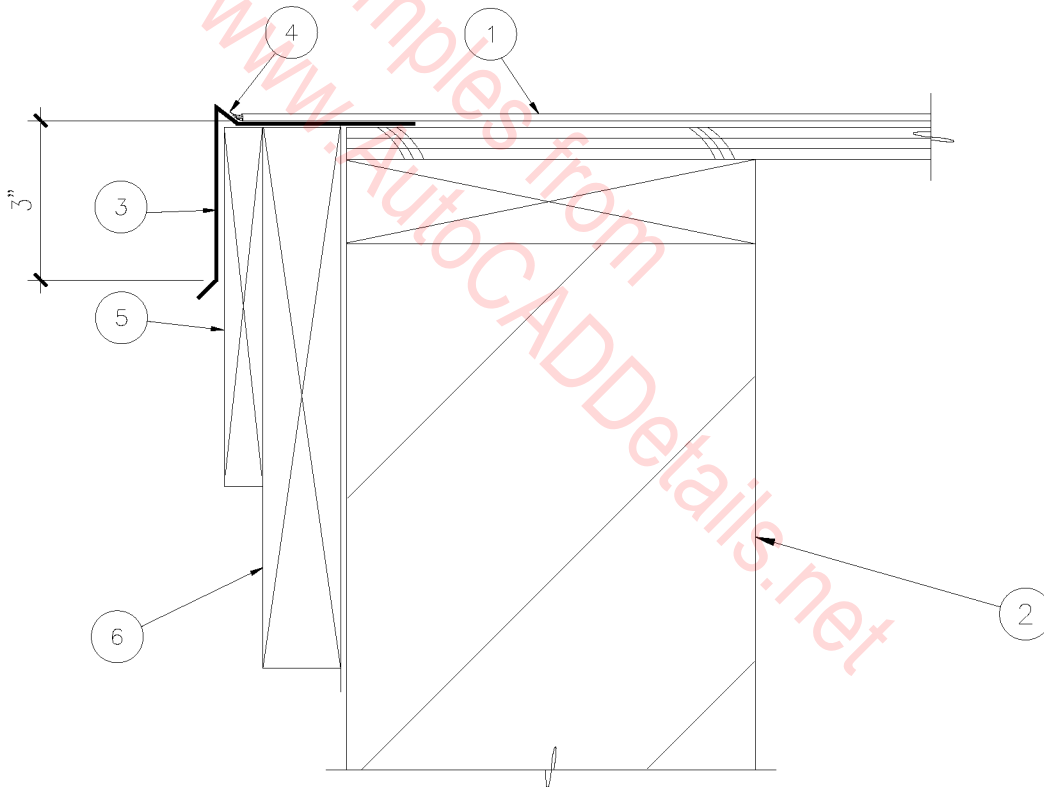


# ROOF FASCIA

SCALE: 3" = 1'-0"

07D-1057

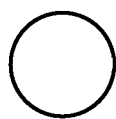
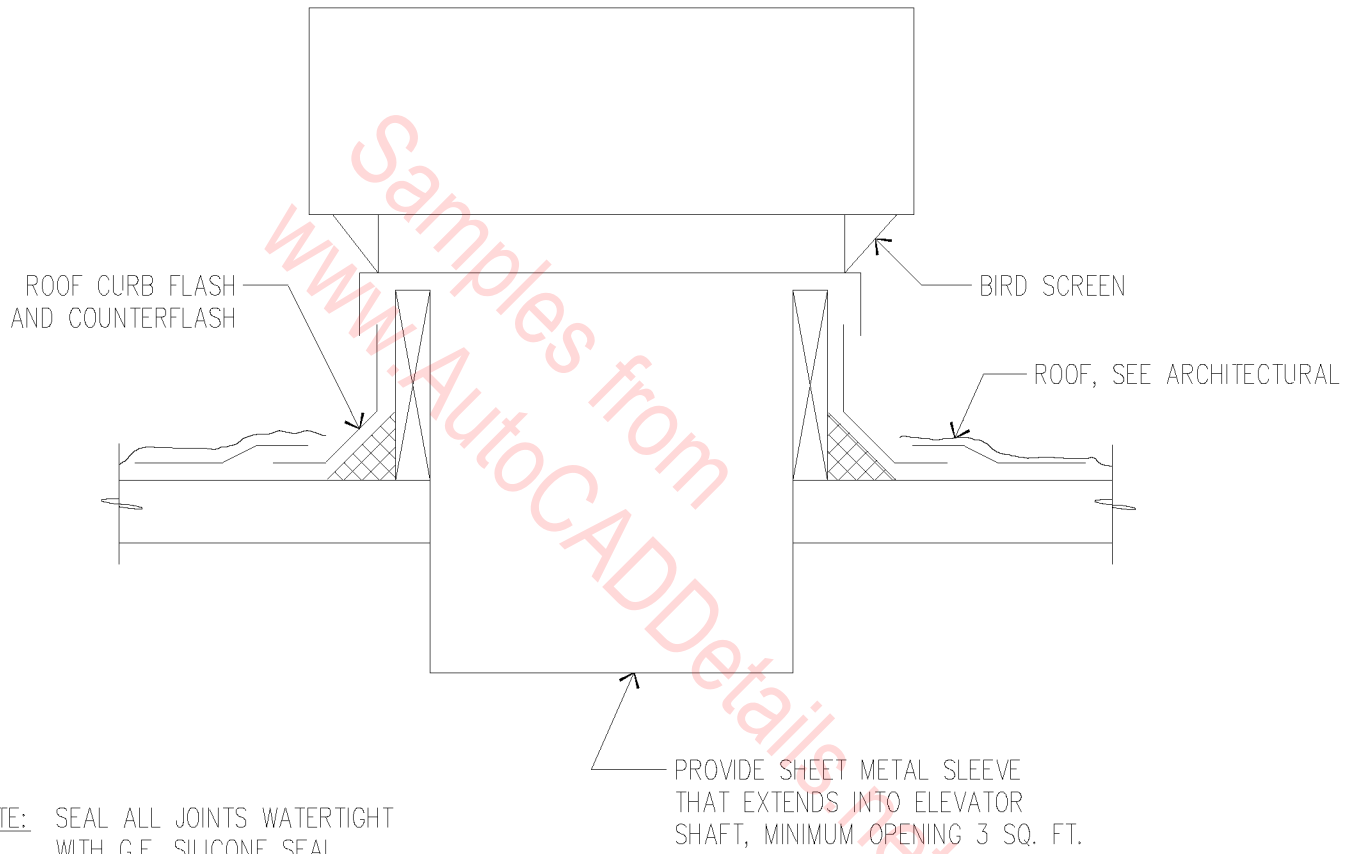
1. ASPHALT SHINGLES WITH WATERPROOF UNDERLAYMENT PER MANUFACTURER'S SPECIFICATIONS.
2. MASONRY WALL.
3. 24 GA. GALV. SHEET METAL DRIP EDGE.
4. SEALANT.
5. 1X6 TRIM.
6. 2 x 10 WOOD FASCIA.



○ ROOF OVERHANG  
3" = 1'-0"

07D-1058

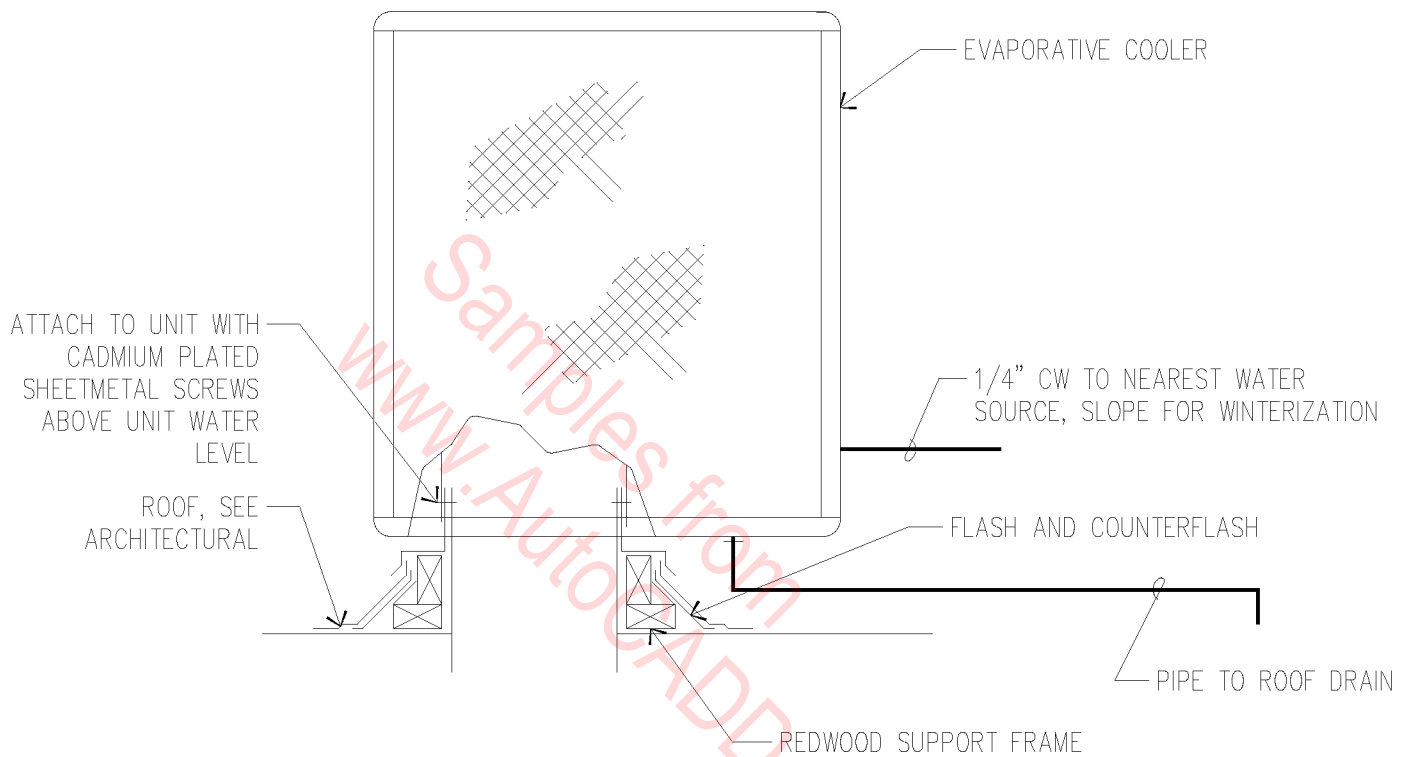




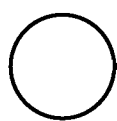
ELEVATOR RELIEF VENT

N.T.S.

07D-1059



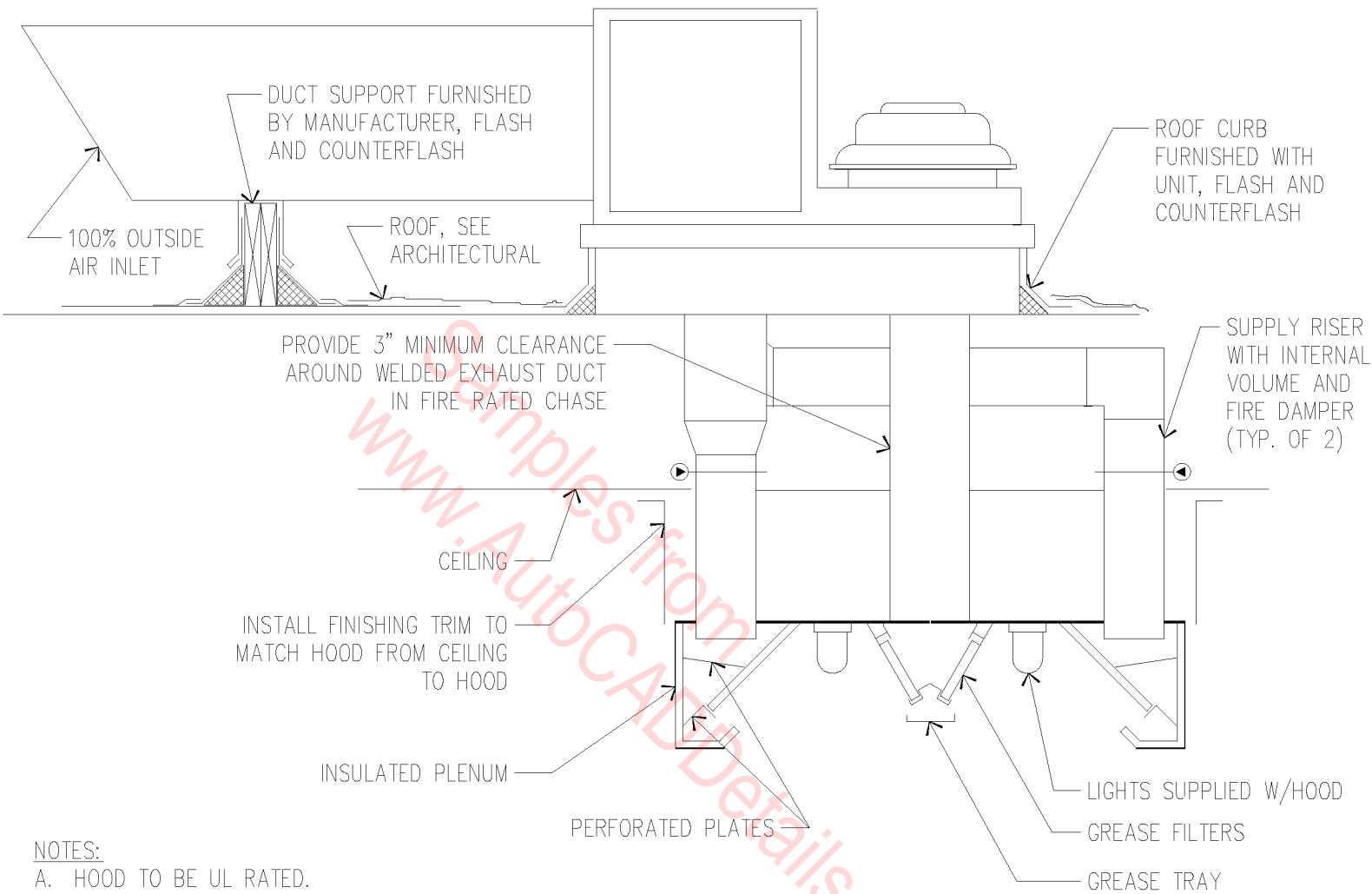
NOTE: SEAL ALL JOINTS WATERTIGHT WITH G.E. SILICONE SEAL.



# EVAPORATIVE COOLER

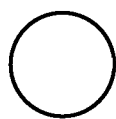
N.T.S.

07D-1060



**NOTES:**

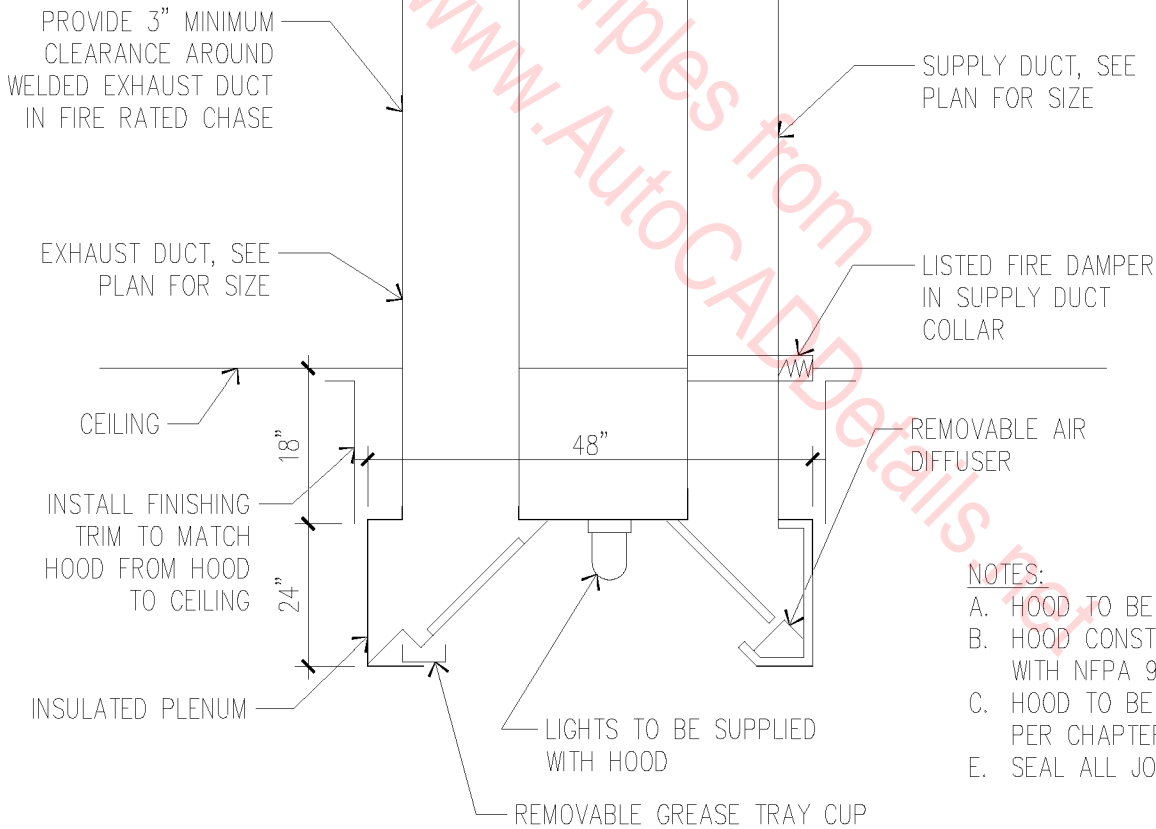
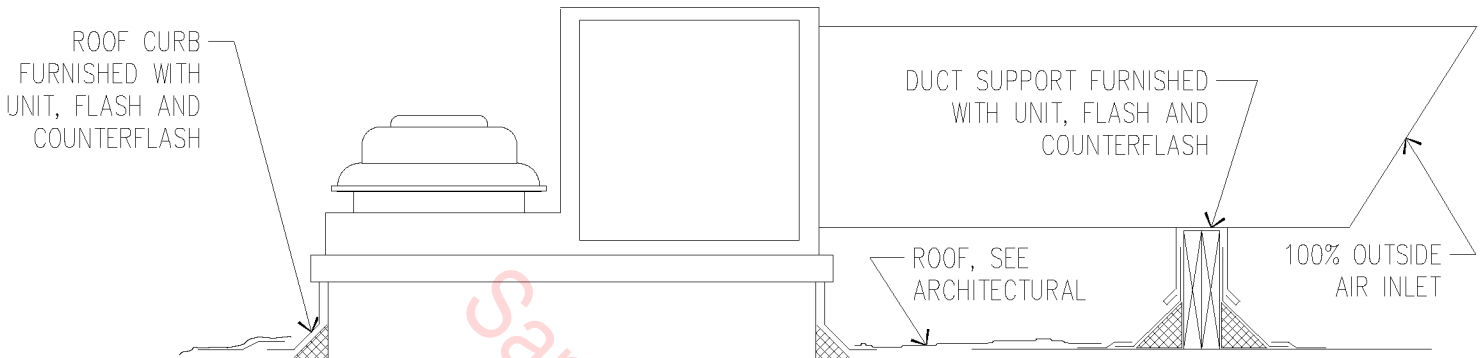
- A. HOOD TO BE UL RATED.
- B. HOOD CONSTRUCTION TO COMPLY WITH NFPA 96.  
EXHAUST DUCT TO BE 16 GA. STEEL WELD ASSEMBLY PER LOCAL BUILDING DEPARTMENT.
- C. AS A SUBCONTRACTOR TO THE MECHANICAL CONTRACTOR, A FIRE PROTECTION CONTRACTOR SHOULD PIPE HOODS, SUPPLY AND INSTALL PULL STATION, CHEMICAL BOTTLES AND ALL APPURTENANCES TO MEET LOCAL AND NFPA CODES. CONTRACTOR SHALL ALSO PROVIDE GAS SOLENOID VALVE TO BE INSTALLED BY MECHANICAL CONTRACTOR AND MICROSWITCH FOR CONNECTION BY ELECTRICAL CONTRACTOR.



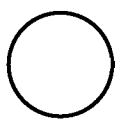
# KITCHEN HOOD & FAN

N.T.S.

07D-1061



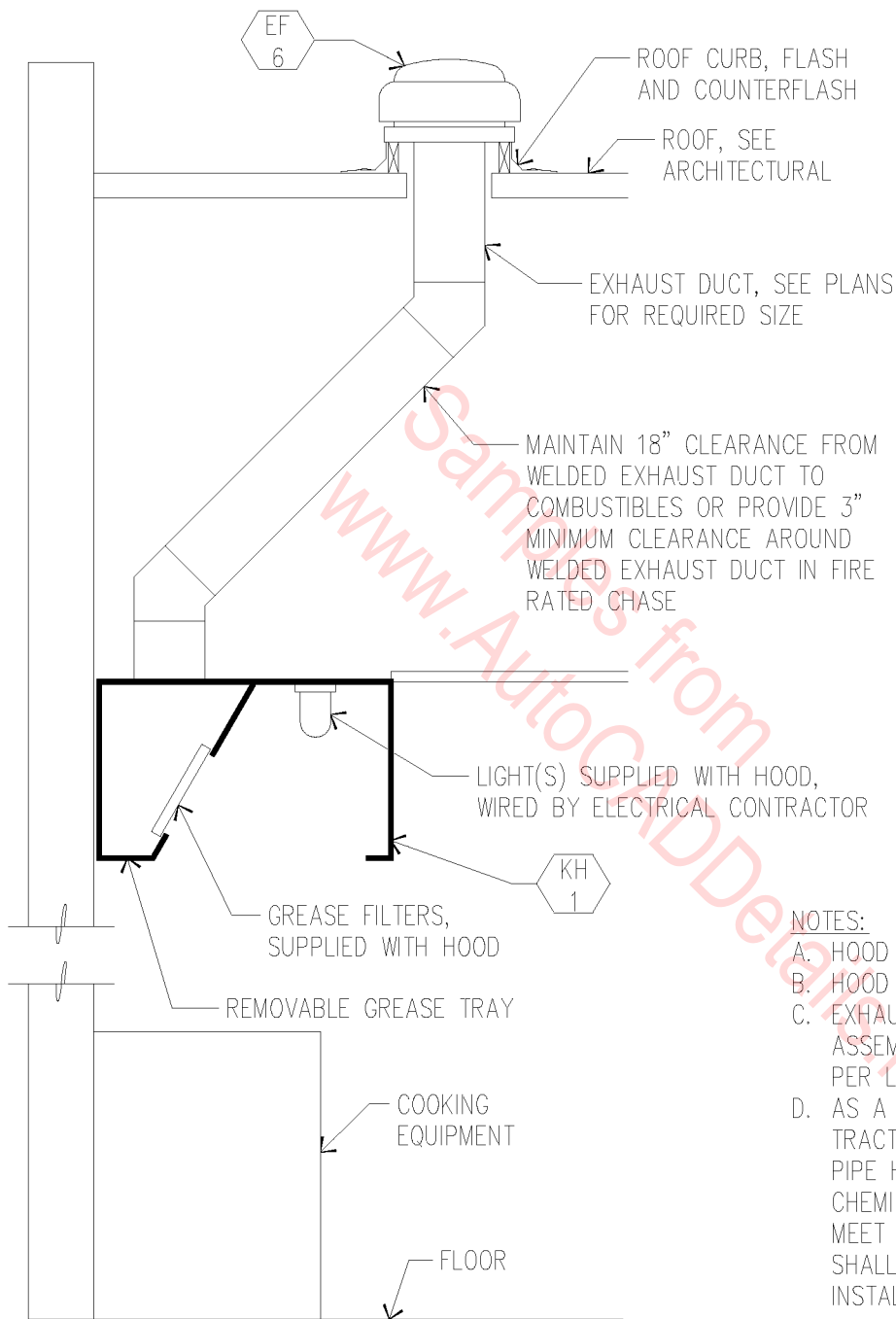
- NOTES:
- A. HOOD TO BE UL RATED.
  - B. HOOD CONSTRUCTION TO COMPLY WITH NFPA 96.
  - C. HOOD TO BE FABRICATED AND INSTALLED PER CHAPTER 20 OF THE 1988 UMC.
  - E. SEAL ALL JOINTS WITH G.E. SILICONE SEAL.



# KITCHEN HOOD & FAN

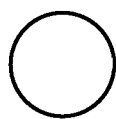
N.T.S.

07D-1062



**NOTES:**

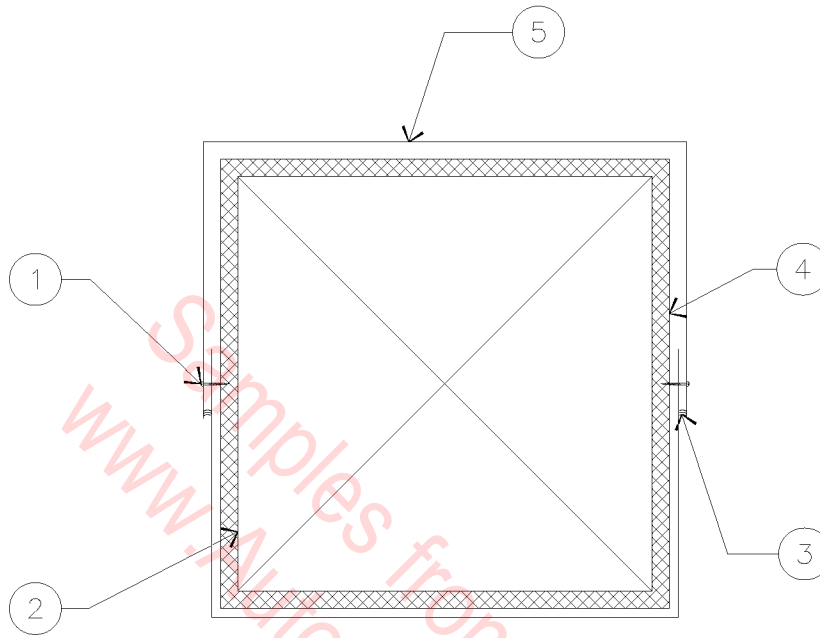
- A. HOOD TO BE UL RATED.
- B. HOOD CONSTRUCTION TO COMPLY WITH NFPA 96.
- C. EXHAUST DUCT TO BE 16 GAUGE STEEL WELD ASSEMBLY OR GASKET/BOLTED FLANGE ASSEMBLY PER LOCAL BUILDING DEPARTMENT.
- D. AS A SUBCONTRACTOR TO THE MECHANICAL CONTRACTOR, A FIRE PROTECTION CONTRACTOR SHALL PIPE HOODS, SUPPLY AND INSTALL PULL STATION, CHEMICAL BOTTLES, AND ALL APPURTENANCES TO MEET LOCAL AND NFPA CODES. CONTRACTOR SHALL ALSO PROVIDE SOLENOID VALVE TO BE INSTALLED BY MECHANICAL CONTRACTOR.



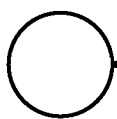
# KITCHEN HOOD DETAIL

N.T.S.

07D-1063



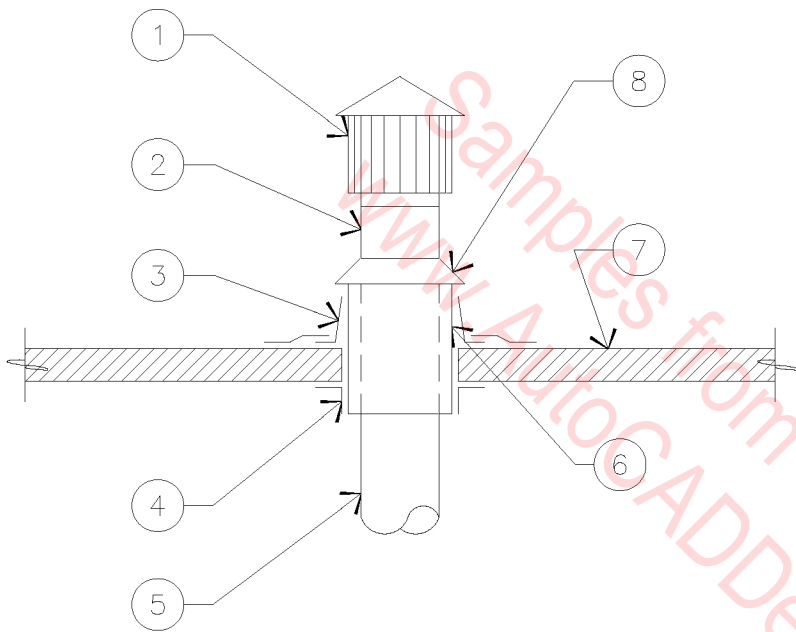
1. 1-1/2" SHEETMETAL SCREWS @ 6" O.C.
2. SHEETMETAL DUCTWORK PER SPECIFICATIONS.
3. SEAL WATERTIGHT WITH G.E. SILICONE.
4. 1" DUCTBOARD.
5. 26 GAUGE GALVANIZED WRAP.



## DUCT ON ROOF

1" = 1'-0"

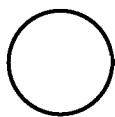
07D-1064



1. BREIDERT VENT CAP.
2. METALBESTOS VENT.
3. FLASHING.
4. ATTACH THIMBLE TO ROOF DECKING.
5. TYPE "B" FLUE, SEE PLANS FOR SIZE.
6. VENTILATED ROOF THIMBLE, METALBESTOS OR EQUAL.
7. VERIFY ROOF CONSTRUCTION.
8. STORM COLLAR.

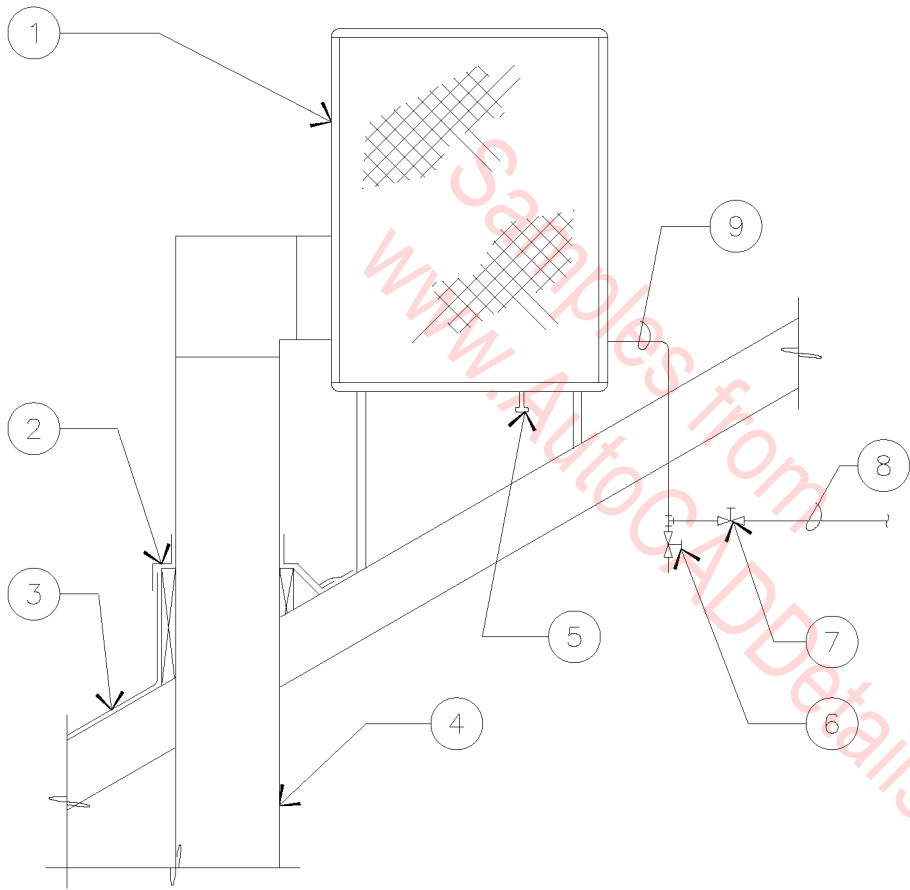
NOTE: INSTALL FLUE AT HEIGHT REQUIRED BY LOCAL AND UMC CODES.

## TYPE "B" FLUE THROUGH ROOF

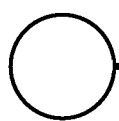


3/4" = 1'-0"

07D-1065



1. EVAPORATIVE COOLER.
2. FLASH AND COUNTERFLASH.
3. ROOF, SEE ARCHITECTURAL PLANS.
4. SEE PLANS FOR REQUIRED DUCT SIZE.
5. ROUTE DRAIN LINE TO NEAREST ROOF DRAIN.
6. DRAIN DOWN VALVE, PIPE TO NEAREST FLOOR DRAIN.
7. GATE VALVE.
8. 3/8" COLD WATER LINE.
9. 1/4" COLD WATER LINE TO NEAREST WATER SOURCE, SLOPE FOR WINTERIZATION.

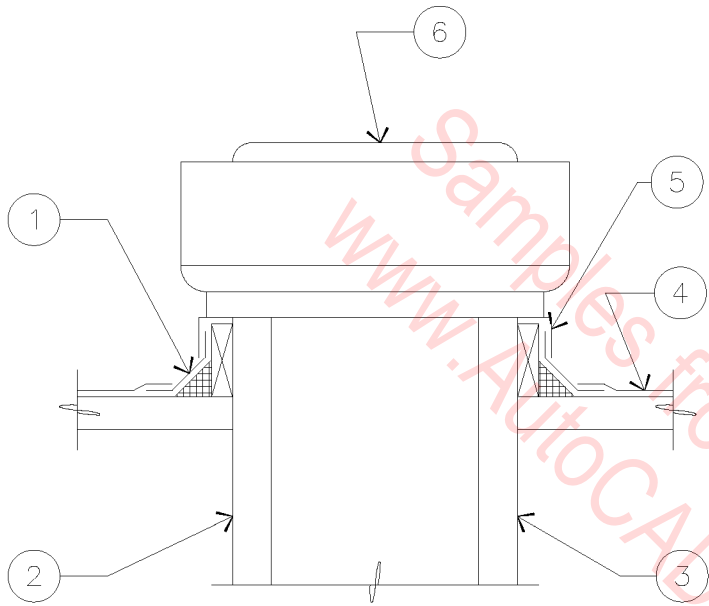


# EVAPORATIVE COOLER

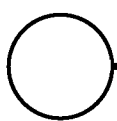
1/2" = 1'-0"

07D-1066





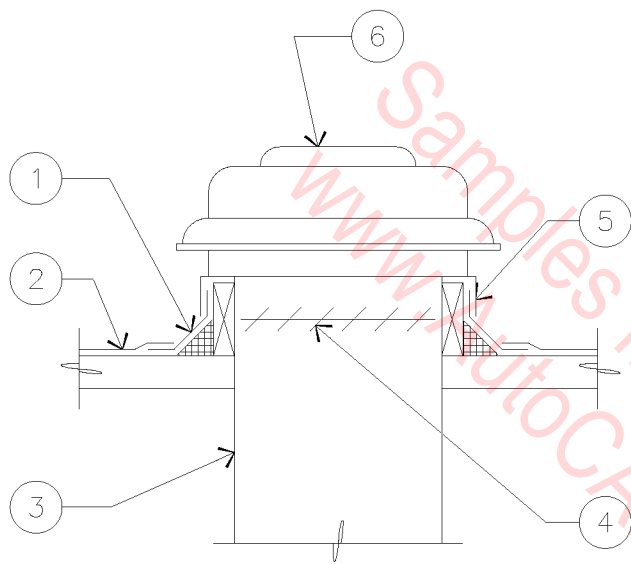
1. ROOF CURB, FLASH AND COUNTERFLASH.
2. 3" AIR SPACE.
3. WELDED EXHAUST DUCT, SEE PLANS FOR REQUIRED SIZE.
4. ROOF.
5. ANCHOR FAN BASE SECURELY TO VENTILATED CURB.
6. EXHAUST FAN.



# KITCHEN EXHAUST FAN

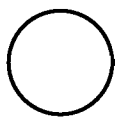
3/4" = 1'-0"

07D-1067



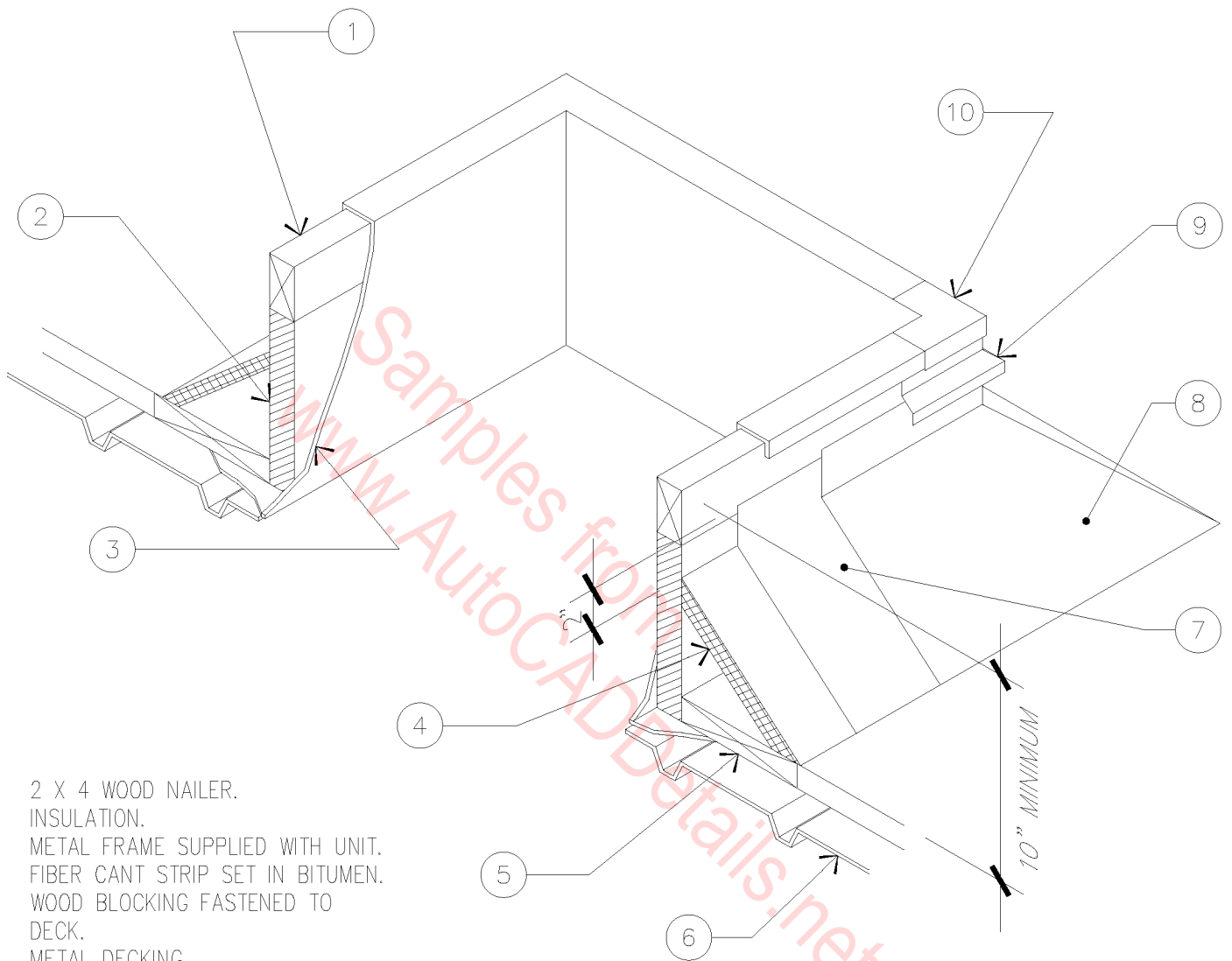
1. ROOF CURB, FLASH AND COUNTERFLASH.
2. ROOF.
3. EXHAUST DUCT, SEE PLAN FOR REQUIRED SIZE.
4. BACKDRAFT DAMPER.
5. ANCHOR FAN BASE SECURELY TO VENTILATED CURB.
6. EXHAUST FAN.

# ROOF MOUNTED EXHAUST FAN

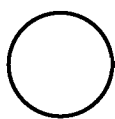


3/4" = 1'-0"

07D-1068



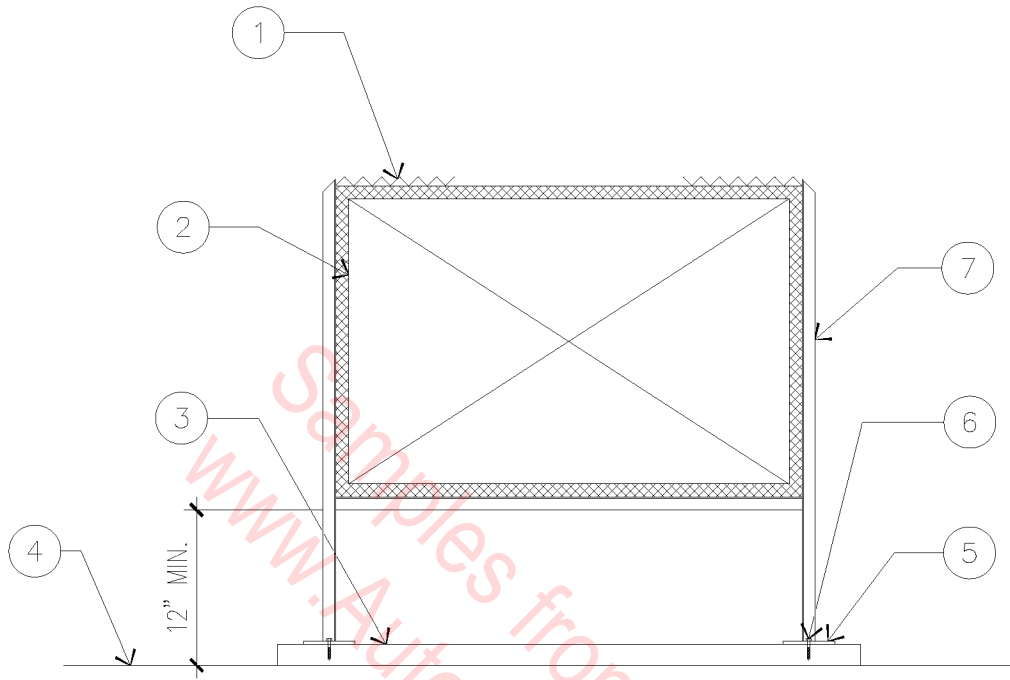
1. 2 X 4 WOOD NAILER.
2. INSULATION.
3. METAL FRAME SUPPLIED WITH UNIT.
4. FIBER CANT STRIP SET IN BITUMEN.
5. WOOD BLOCKING FASTENED TO DECK.
6. METAL DECKING.
7. BASE FLASHING.
8. COUNTERFLASHING EXTENDED DOWN TO PROTECT AGAINST FOOT DAMAGE.
9. COUNTERFLASHING FASTENED APPROXIMATELY 18" O.C.
10. FLASHING RECEIVER.



## EQUIPMENT CURB

1" = 1'-0"

07D-1069

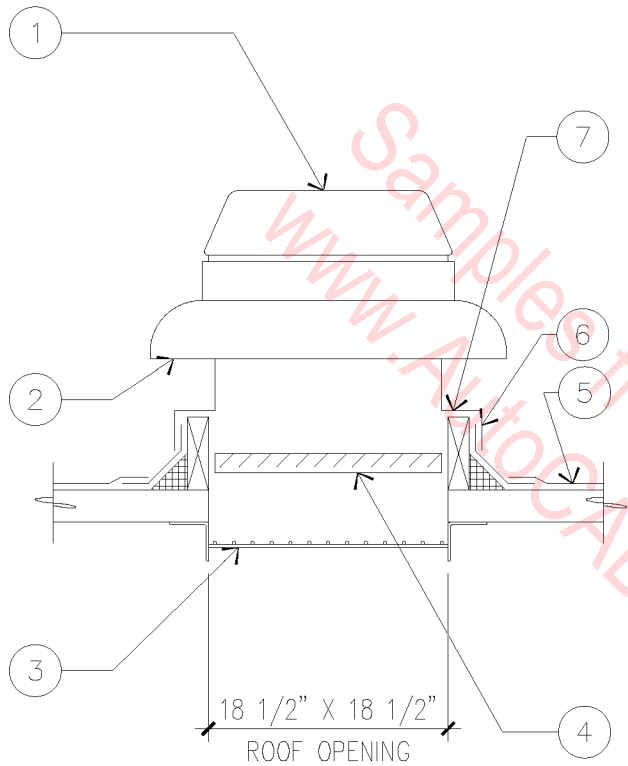


1. #14 GALVANIZED WIRE.
2. INSULATED DUCTWORK PER SPECIFICATIONS.
3. 2 X 6 REDWOOD.
4. ROOF DECK, SEE ARCHITECTURAL PLANS.
5. 4" X 4" X 1/4" BASE PLATE WELDED TO LEG.
6. 3/8" X 1-1/2" LAG SCREW.
7. 1" X 1" X 1/8" ANGLE.

# DUCT ON ROOF

3/4" = 1'-0"

07D-1070

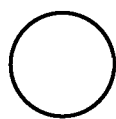
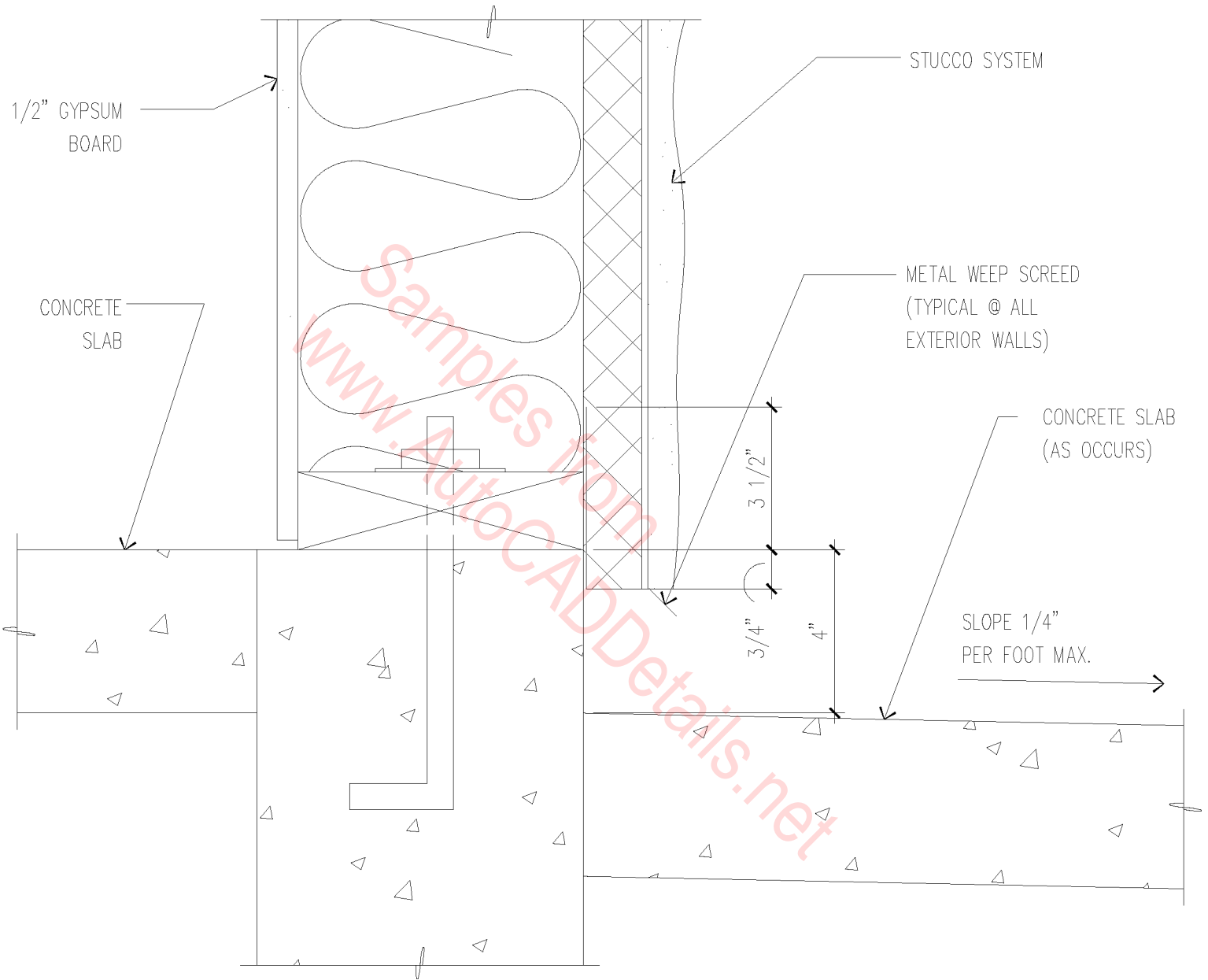


1. EXHAUST FAN.
2. BIRDSCREEN.
3. FLASHING AND SECURITY BARS FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.
4. BACKDRAFT DAMPER FURNISHED WITH EXHAUST FAN.
5. ROOF, SEE ARCHITECTURAL PLANS.
6. ROOF CURB, FURNISHED WITH EXHAUST FAN.
7. ANCHOR FAN BASE SECURELY TO CURB.

# ATTIC EXHAUSTER

3/4" = 1'-0"

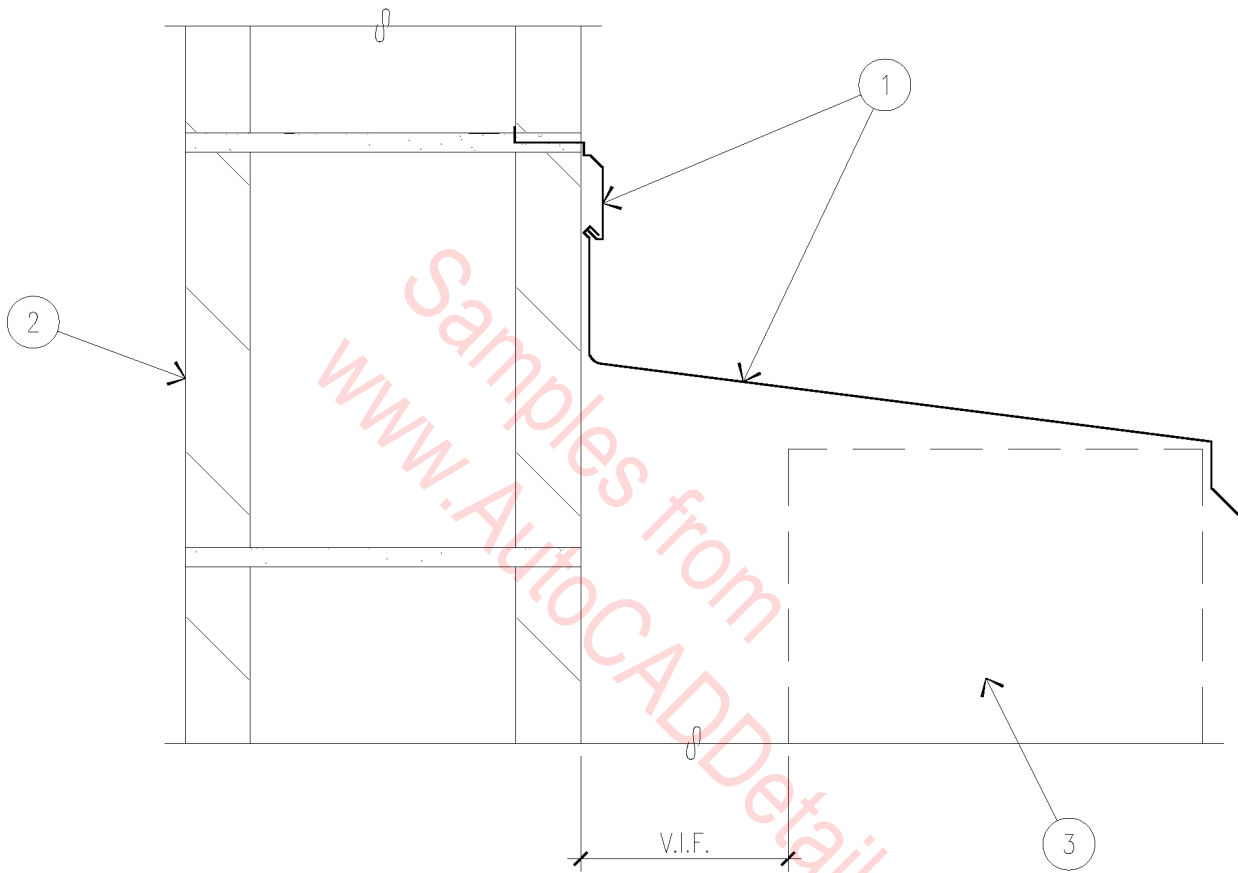
07D-1071



WEEP SCREED

3" = 1'-0"

07D-1072

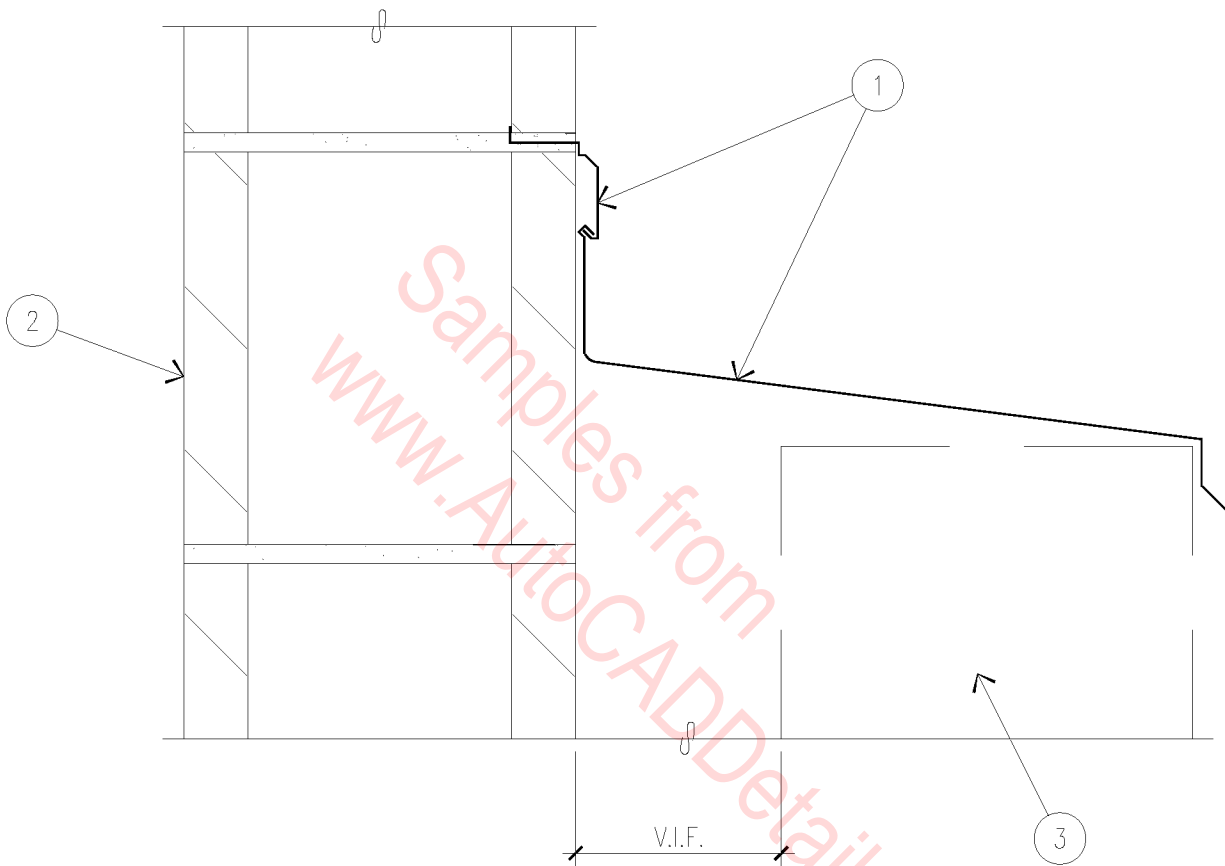


1. BUILT-IN TYPE REGLET, SPRINGLOCK, AND 25 GAUGE COUNTERFLASHING WITH PAINTED FINISH.
2. MASONRY WALL.
3. PARAPET OF ADJACENT STRUCTURE.

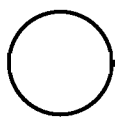
# ○ FLASHING AT C.M.U. WALL

3" = 1'-0"

07D-1073



1. BUILT-IN TYPE REGLET, SPRINGLOCK, AND 25 GAUGE COUNTERFLASHING WITH PAINTED FINISH.
2. MASONRY WALL.
3. PARAPET OF ADJACENT STRUCTURE.

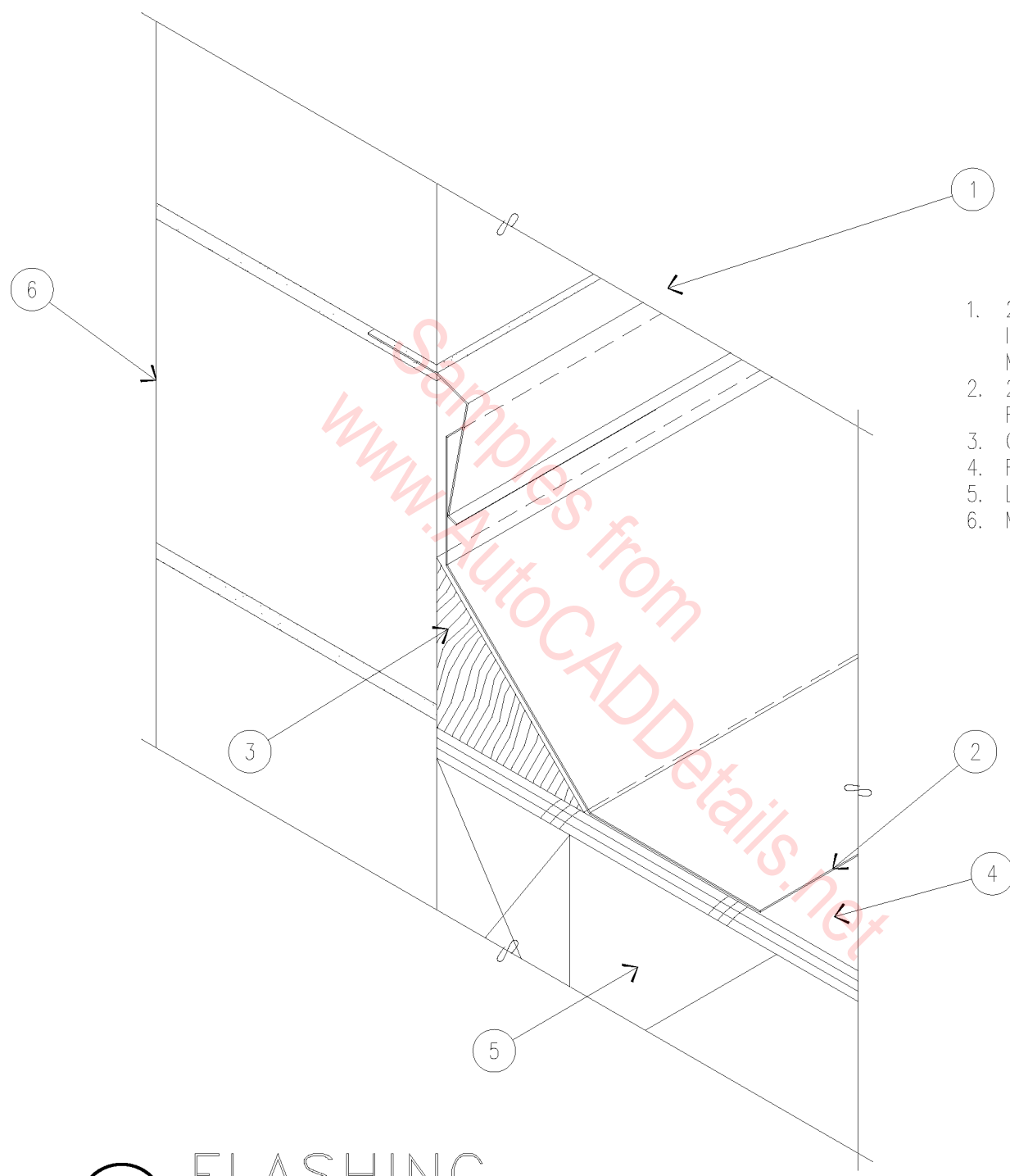


FLASHING AT C.M.U. WALL

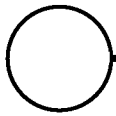
3" = 1'-0"

07D-1073

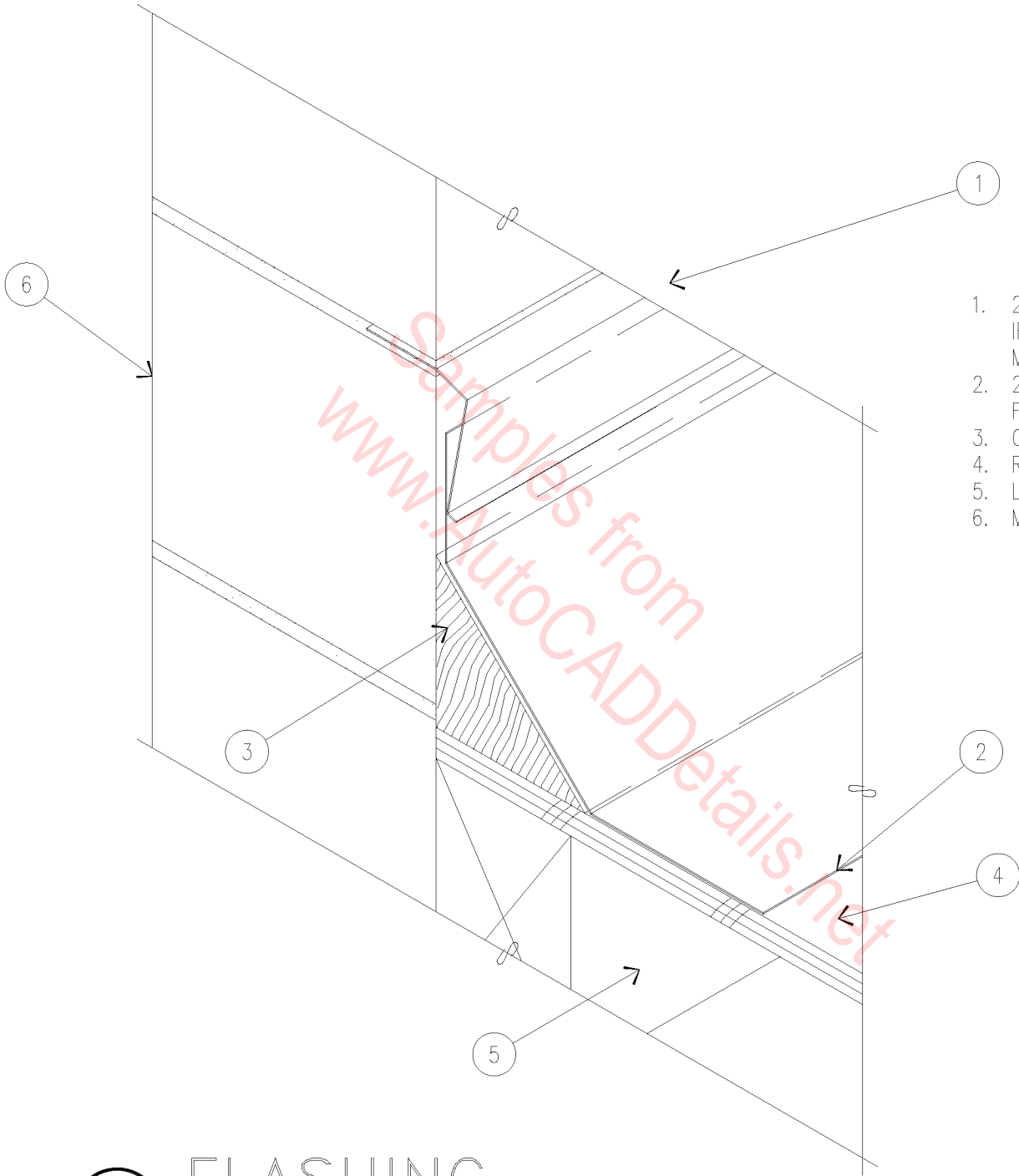




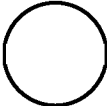
1. 20 GAUGE GALVANIZED IRON FLASHING SET IN MASONRY MORTAR JOINT.
2. 20 GAUGE COUNTER-FLASHING.
3. CANT STRIP.
4. ROOF DECK.
5. LEDGER.
6. MASONRY WALL.

 FLASHING  
 3" = 1'-0"

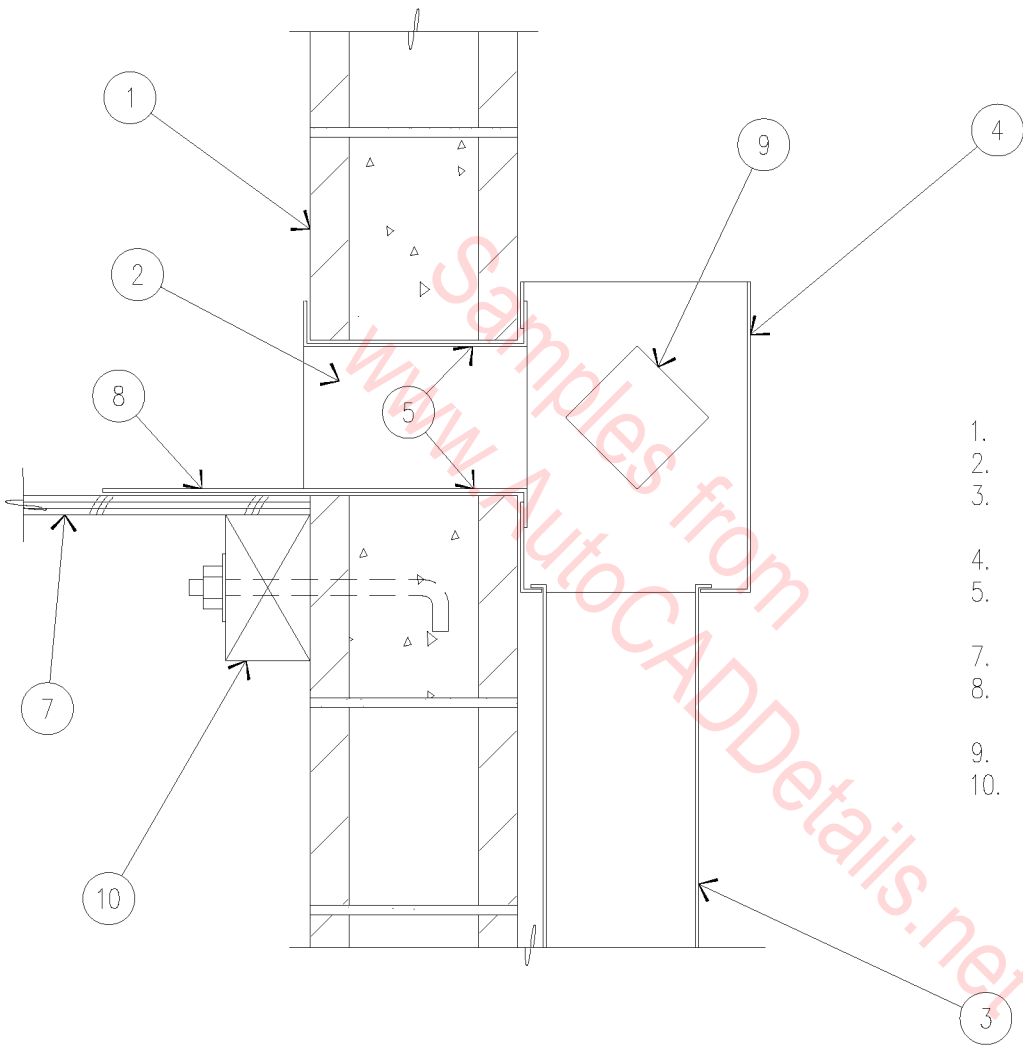
07D-1074



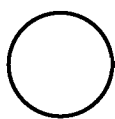
1. 20 GAUGE GALVANIZED IRON FLASHING SET IN MASONRY MORTAR JOINT.
2. 20 GAUGE COUNTER-FLASHING.
3. CANT STRIP.
4. ROOF DECK.
5. LEDGER.
6. MASONRY WALL.


**FLASHING**  
 3" = 1'-0"

07D-1074



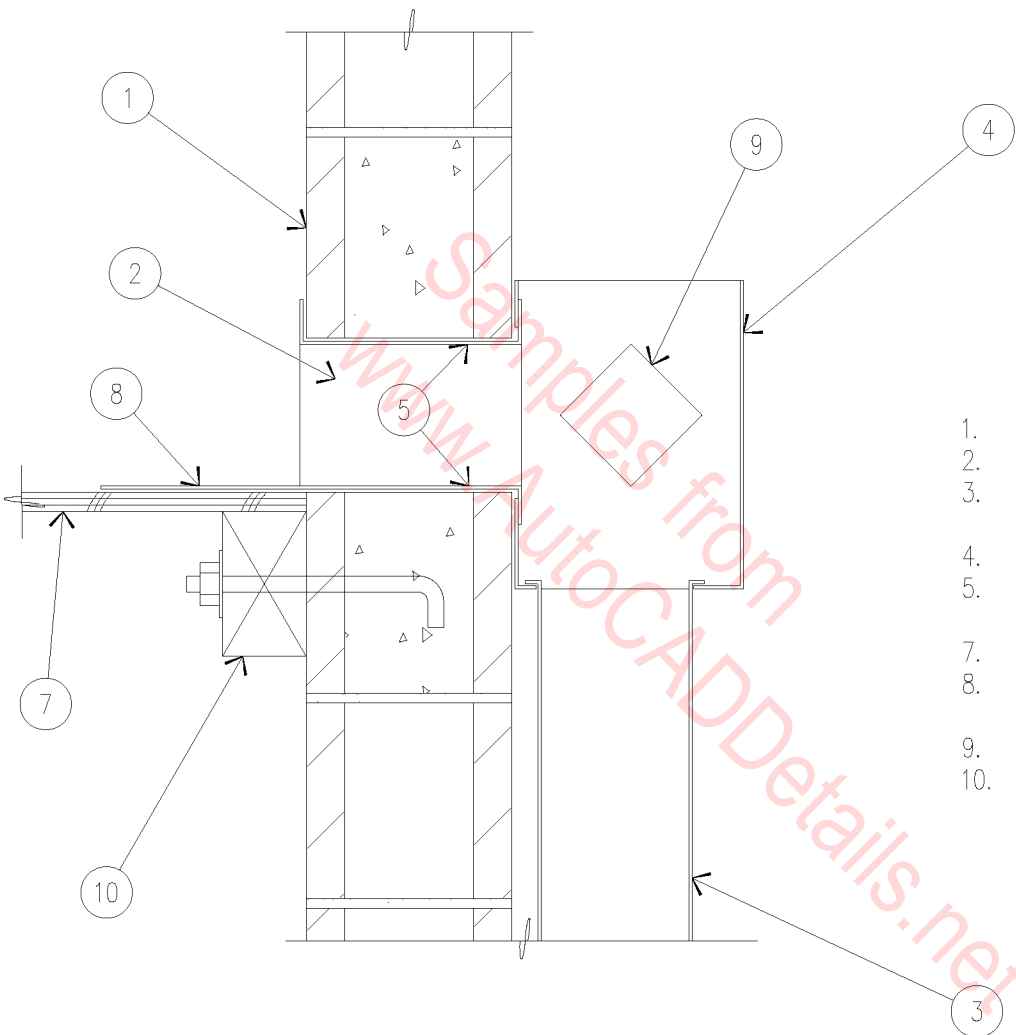
1. CMU WALL.
2. SCUPPER OPENING.
3. 22 GAUGE GALVANIZED IRON DOWNSPOUT.
4. LEADER BOX.
5. GALVANIZED METAL FLASHING ALL AROUND.
7. PLYWOOD ROOF DECK.
8. 22 GAUGE GALVANIZED IRON SCUPPER FLASHING.
9. OVERFLOW BEYOND.
10. LEDGER.



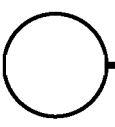
# SCUPPER/DOWNSPOUT

1 1/2" = 1'-0"

07D-1075



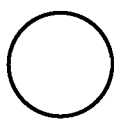
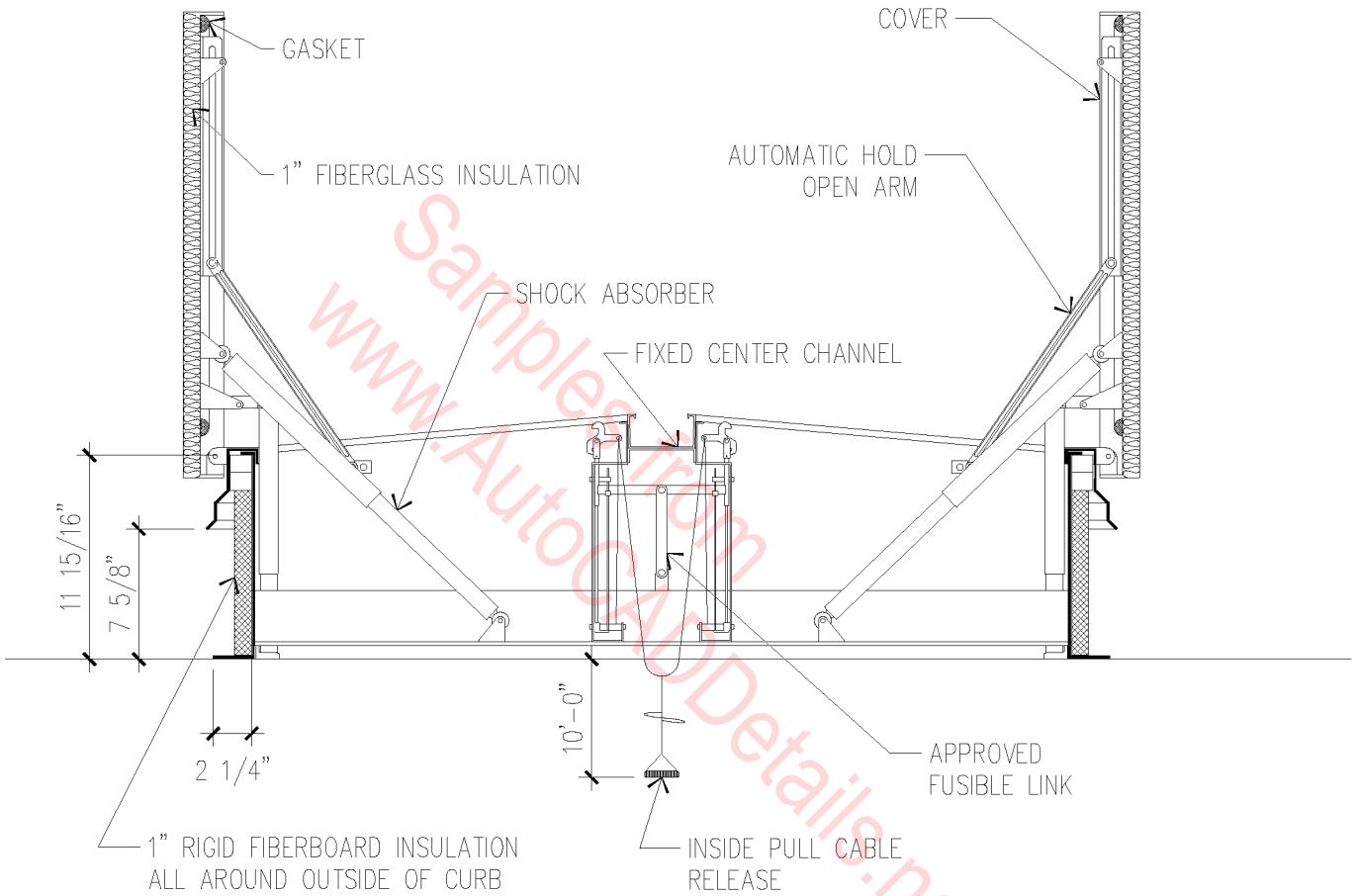
1. CMU WALL.
2. SCUPPER OPENING.
3. 22 GAUGE GALVANIZED IRON DOWNSPOUT.
4. LEADER BOX.
5. GALVANIZED METAL FLASHING ALL AROUND.
7. PLYWOOD ROOF DECK.
8. 22 GAUGE GALVANIZED IRON SCUPPER FLASHING.
9. OVERFLOW BEYOND.
10. LEDGER.



# SCUPPER/DOWNSPOUT

1 1/2" = 1'-0"

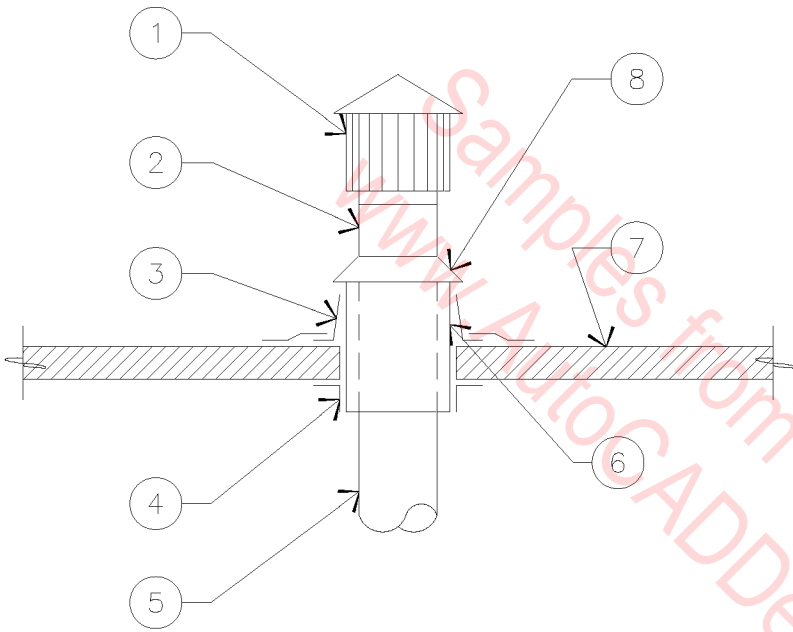
07D-1075



# DOUBLE LEAF FIRE VENT

1" = 1'-0"

07D-4001



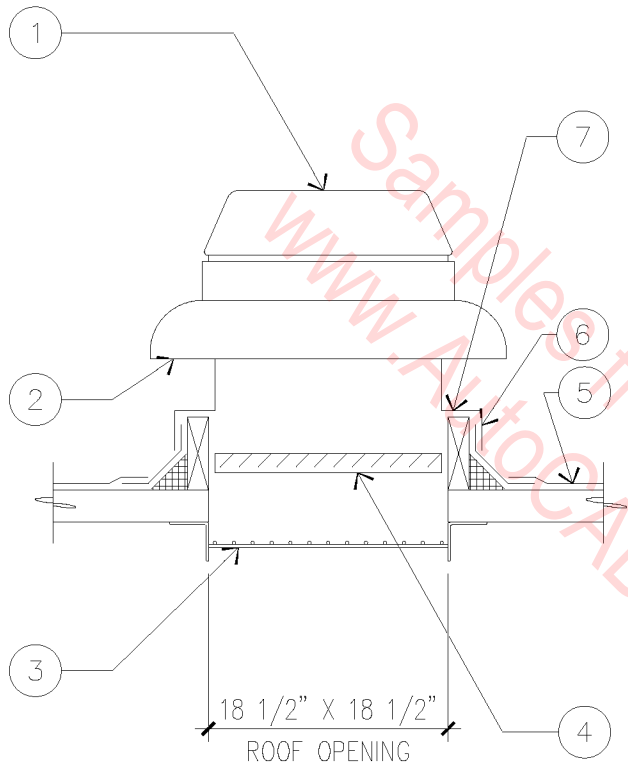
1. BREIDERT VENT CAP.
2. METALBESTOS VENT.
3. FLASHING.
4. ATTACH THIMBLE TO ROOF DECKING.
5. TYPE "B" FLUE, SEE PLANS FOR SIZE.
6. VENTILATED ROOF THIMBLE, METALBESTOS OR EQUAL.
7. VERIFY ROOF CONSTRUCTION.
8. STORM COLLAR.

NOTE: INSTALL FLUE AT HEIGHT REQUIRED BY LOCAL AND UMC CODES.

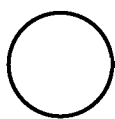
## TYPE "B" FLUE THROUGH ROOF

3/4" = 1'-0"

07D-4002



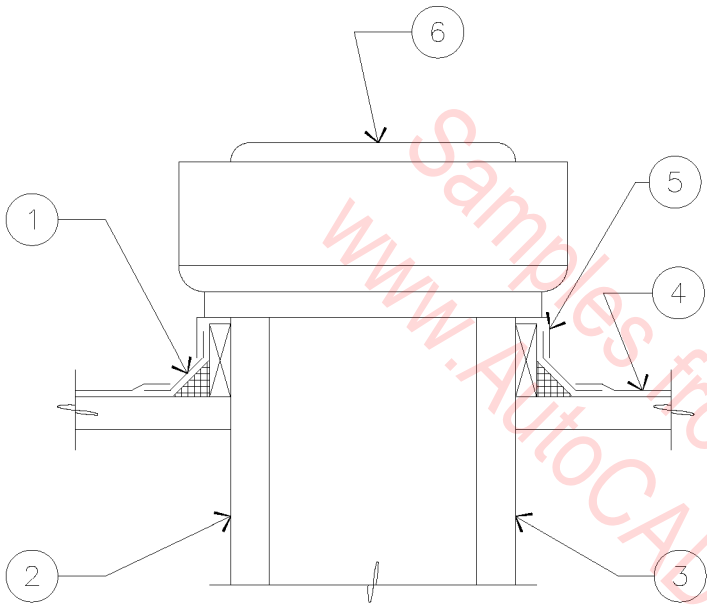
1. EXHAUST FAN.
2. BIRDSCREEN.
3. FLASHING AND SECURITY BARS FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.
4. BACKDRAFT DAMPER FURNISHED WITH EXHAUST FAN.
5. ROOF, SEE ARCHITECTURAL PLANS.
6. ROOF CURB, FURNISHED WITH EXHAUST FAN.
7. ANCHOR FAN BASE SECURELY TO CURB.



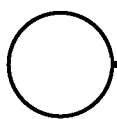
## ATTIC EXHAUSTER

3/4" = 1'-0"

07D-4003



1. ROOF CURB, FLASH AND COUNTERFLASH.
2. 3" AIR SPACE.
3. WELDED EXHAUST DUCT, SEE PLANS FOR REQUIRED SIZE.
4. ROOF.
5. ANCHOR FAN BASE SECURELY TO VENTILATED CURB.
6. EXHAUST FAN.

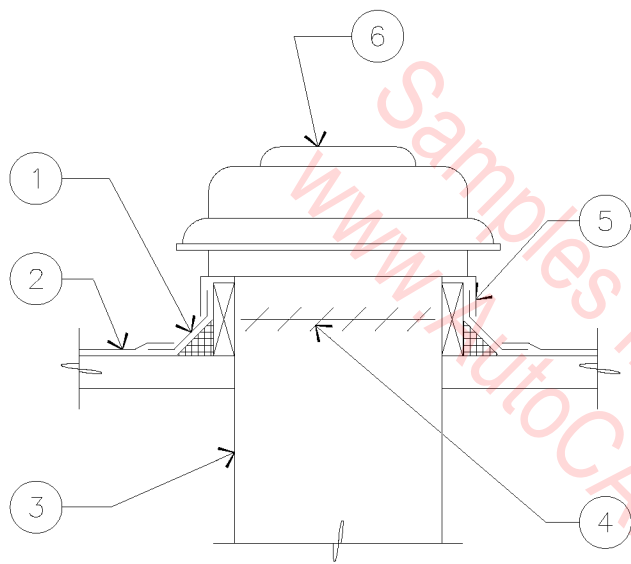


# KITCHEN EXHAUST FAN

3/4" = 1'-0"

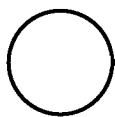
07D-4004





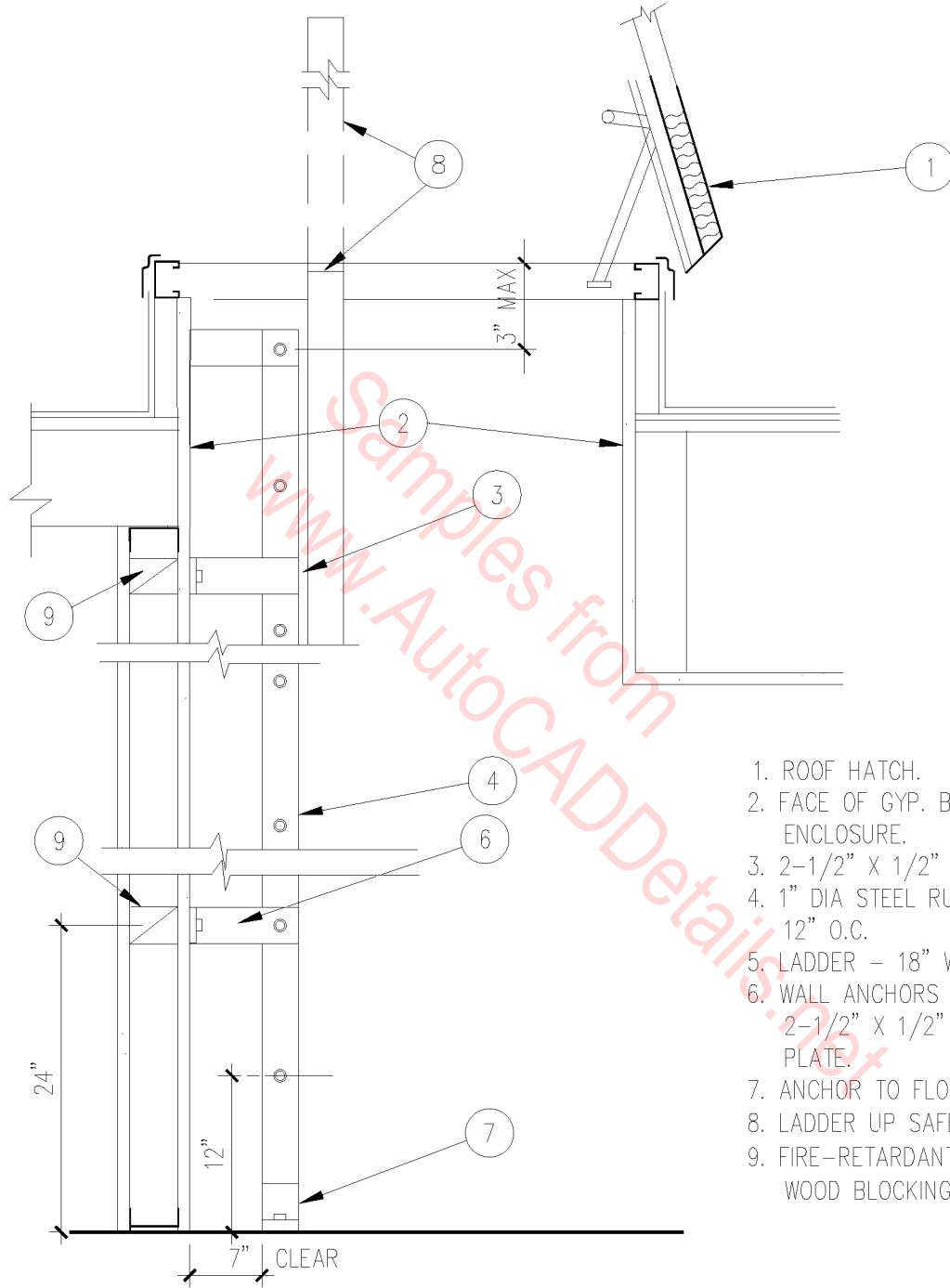
1. ROOF CURB, FLASH AND COUNTERFLASH.
2. ROOF.
3. EXHAUST DUCT, SEE PLAN FOR REQUIRED SIZE.
4. BACKDRAFT DAMPER.
5. ANCHOR FAN BASE SECURELY TO VENTILATED CURB.
6. EXHAUST FAN.

# ROOF MOUNTED EXHAUST FAN

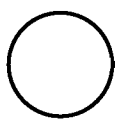


3/4" = 1'-0"

07D-4005



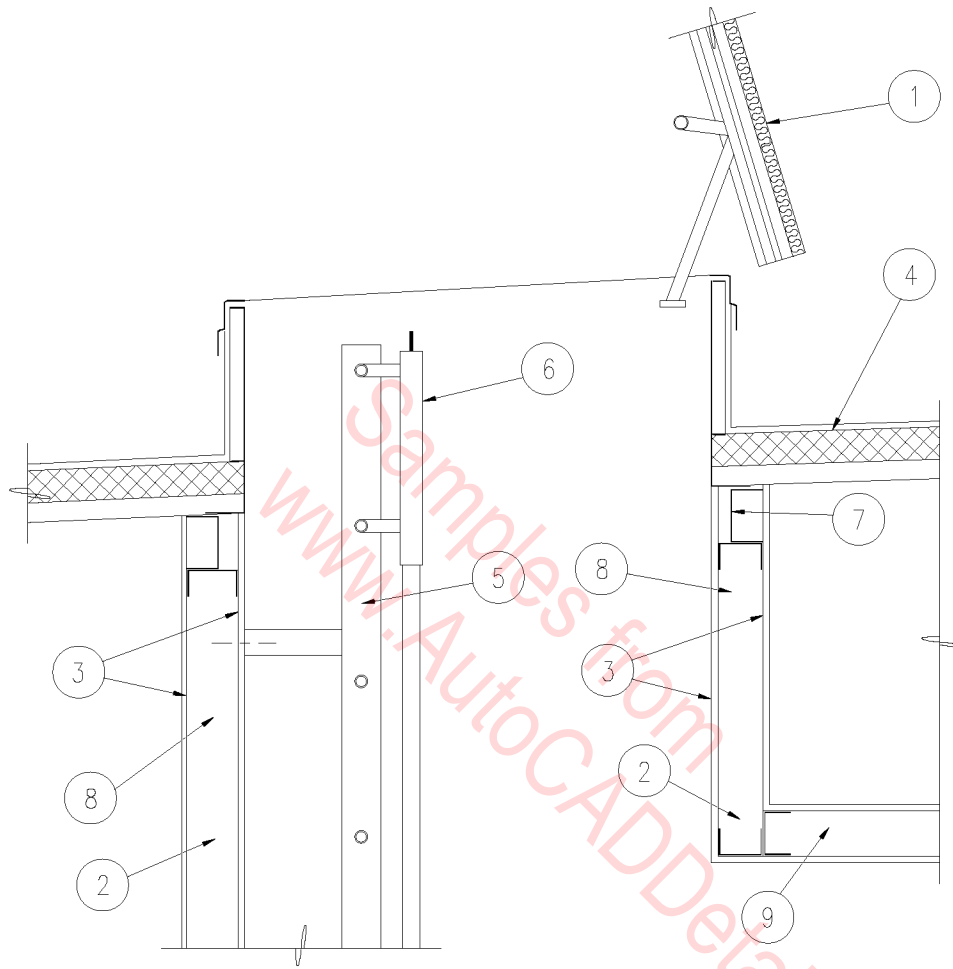
1. ROOF HATCH.
2. FACE OF GYP. BD. ENCLOSURE.
3. 2-1/2" X 1/2" STRINGER.
4. 1" DIA STEEL RUNGS AT 12" O.C.
5. LADDER - 18" WIDE.
6. WALL ANCHORS AT 60" O.C. 2-1/2" X 1/2" BENT PLATE.
7. ANCHOR TO FLOOR.
8. LADDER UP SAFETY POST.
9. FIRE-RETARDANT WOOD BLOCKING.



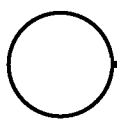
# LADDER TO SCUTTLE

SCALE: 3" = 1'-0"

07D-5001



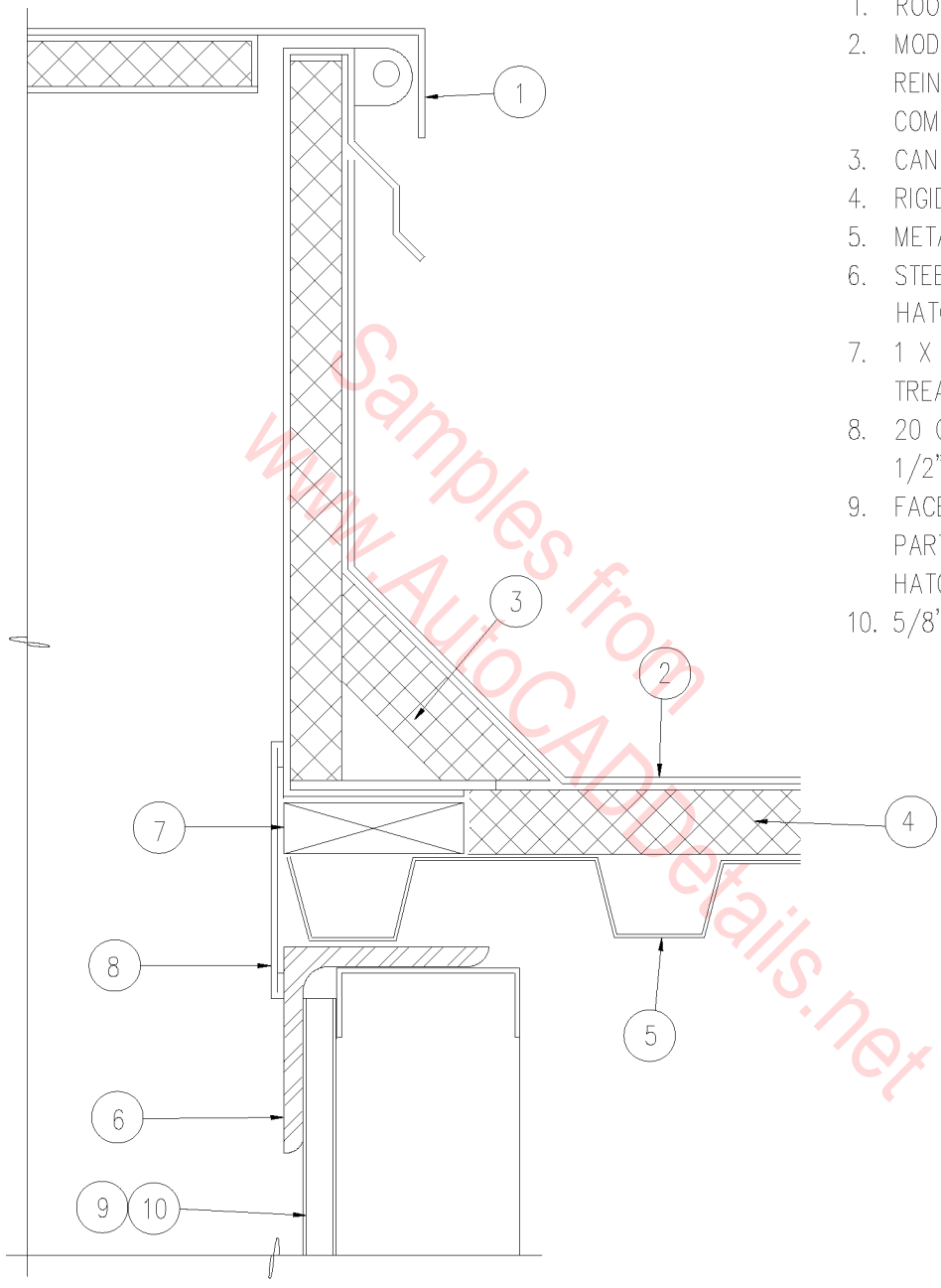
1. ROOF HATCH WITH INTEGRAL CURB AND COUNTERFLASHING.
2. METAL STUDS AT 16" O.C.
3. 5/8" TYPE 'X' GYP. BOARD.
4. ROOF MEMBRANE OVER LIGHTWEIGHT FILL OVER 1-1/2 METAL DECKING.
5. ACCESS LADDER.
6. "LADDER UP" SAFETY POST.
7. STEEL ANGLES. SEE STRUCTURAL.
8. 1 HR. WALL TO UNDERSIDE OF ROOF DECK.
9. 1 HR. CEILING.



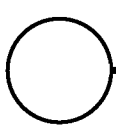
## ROOF HATCH

SCALE: 3/4" = 1'-0"

07D-5002



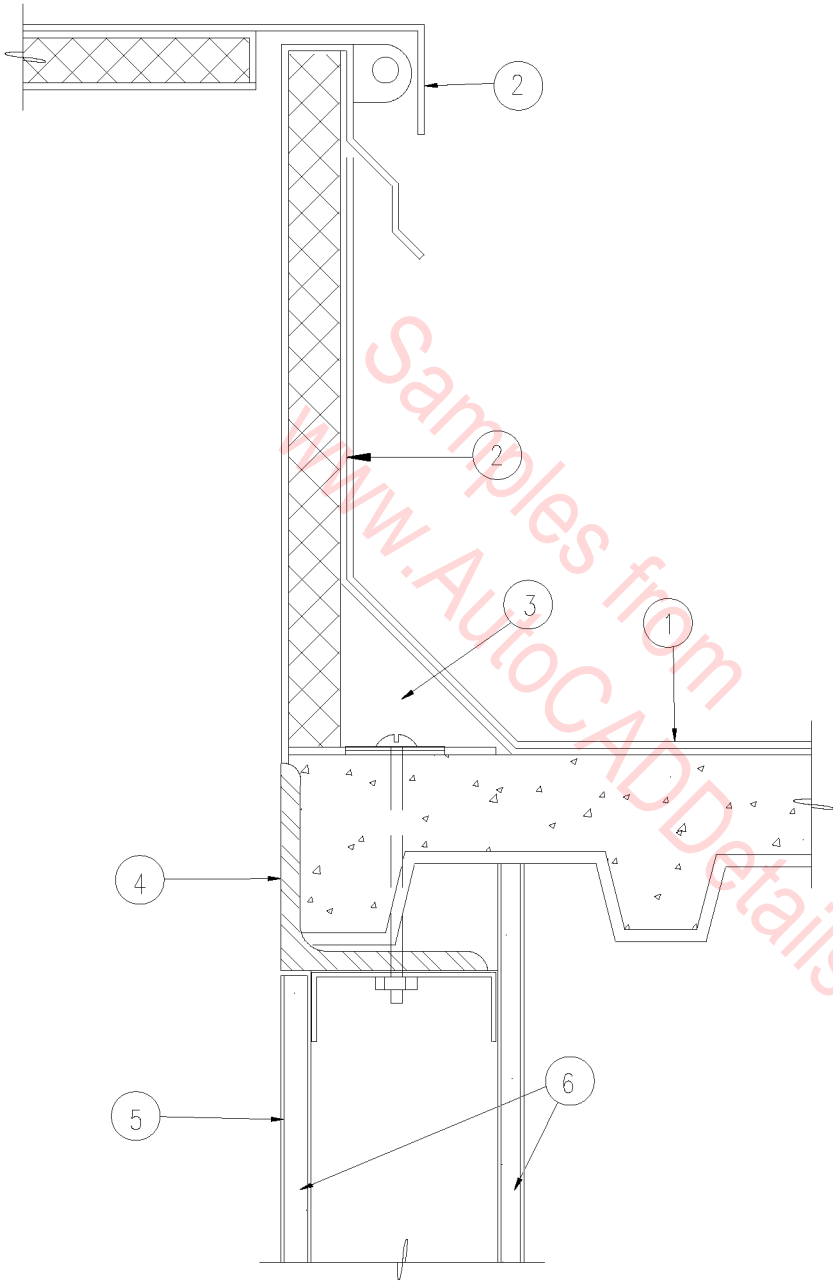
1. ROOF HATCH.
2. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
3. CANT STRIP.
4. RIGID INSULATION.
5. METAL DECK.
6. STEEL ANGLE SUPPORT FOR HATCH.
7. 1 X 4 FIRE-RETARDANT TREATED WOOD NAILER.
8. 20 GA. G.I. CLOSURE WITH 1/2" HEM AT EDGE.
9. FACE OF METAL STUD PARTITION TO ENCLOSE ROOF HATCH SHAFT.
10. 5/8" GYP. BOARD.



# ROOF HATCH

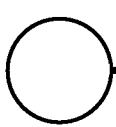
SCALE: 3" = 1'-0"

07D-5003



1. ROOF MEMBRANE OVER LIGHTWEIGHT FILL OVER 1 1/2" METAL DECKING.
2. PREFABRICATED ROOF HATCH BOLTED TO FRAME @ 12" O.C. ALL AROUND.
3. 4" CANT STRIP.
4. ANGLE IRON FRAME ALL AROUND OPENING.
5. WALL/CEILING CONSTR. FLUSH WITH ANGLE FRAME ALL AROUND.

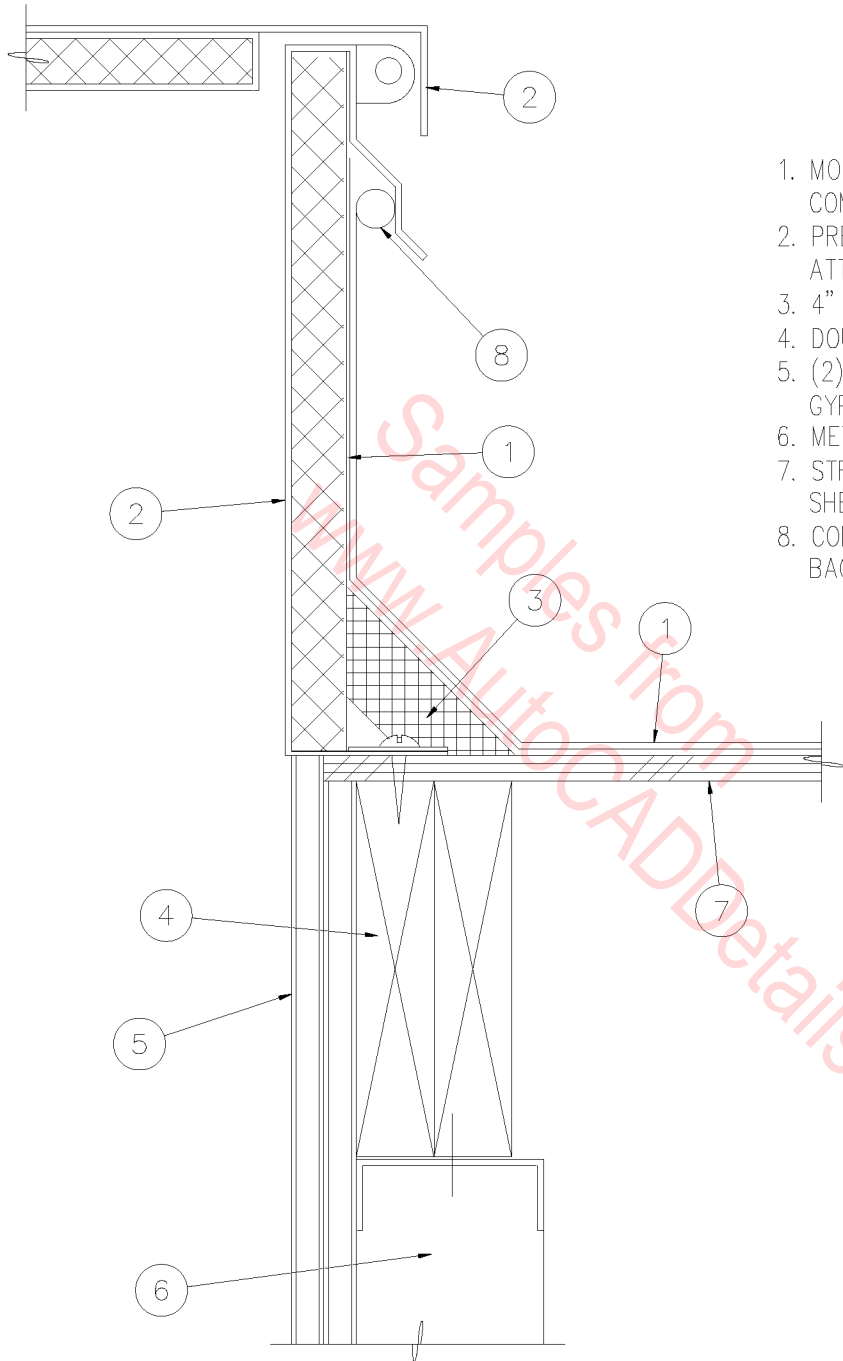
Samples from  
www.AutocADDetails.net



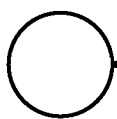
# ROOF HATCH

SCALE: 3" = 1'-0"

07D-5004



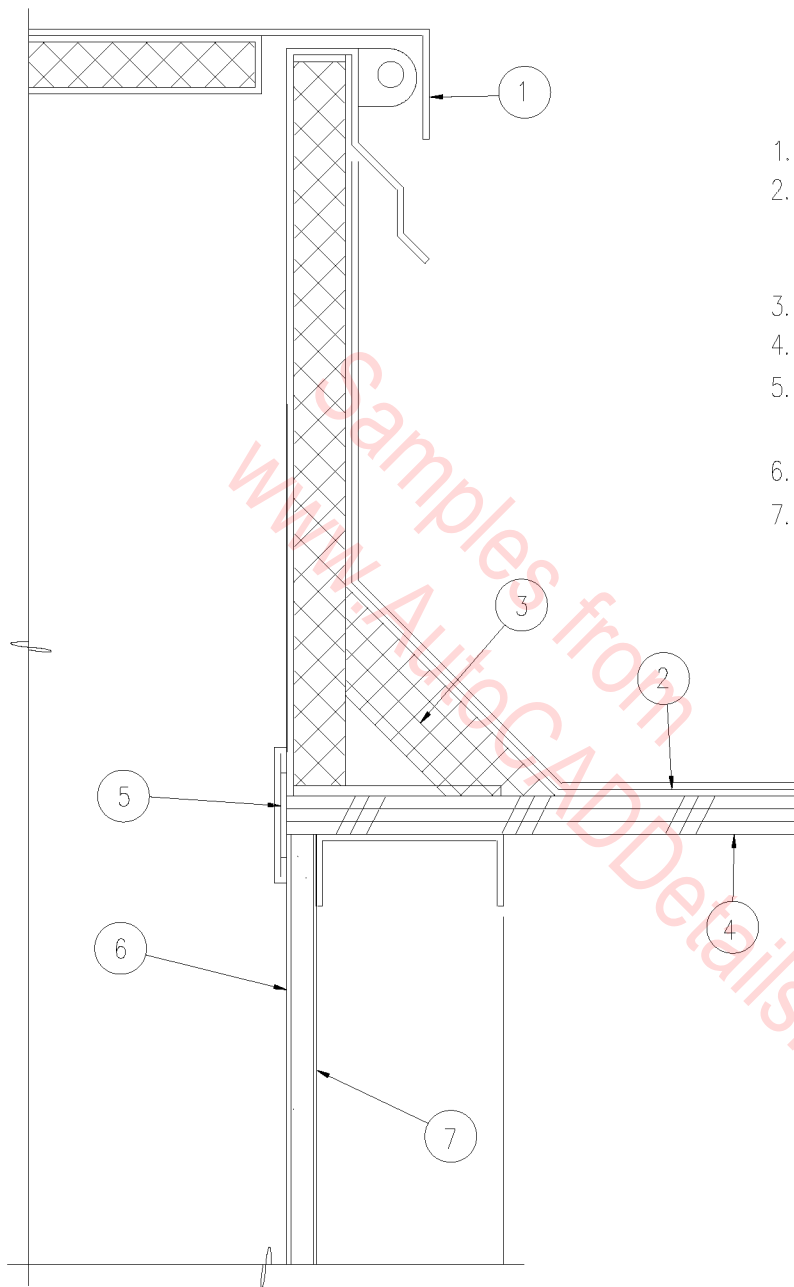
1. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
2. PREFABRICATED ROOF HATCH ATTACHED ALL AROUND.
3. 4" CANT STRIP.
4. DOUBLE 2X FRAMING.
5. (2) LAYERS - 5/8" TYPE 'X' GYPSUM BOARD.
6. METAL STUDS.
7. STRUCTURAL PLYWOOD SHEATHING.
8. COMPRESSIBLE BACKER ROD.



# ROOF HATCH

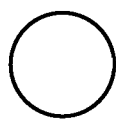
SCALE: 1" = 1'-0"

07D-5005



1. ROOF HATCH.
2. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
3. CANT.
4. PLYWOOD DECK.
5. 20 GA. G.I. CLOSURE WITH 1/2" HEM AT EDGE.
6. 5/8" GYP. BOARD.
7. FACE OF METAL STUD PARTITION TO ENCLOSE ROOF HATCH SHAFT.

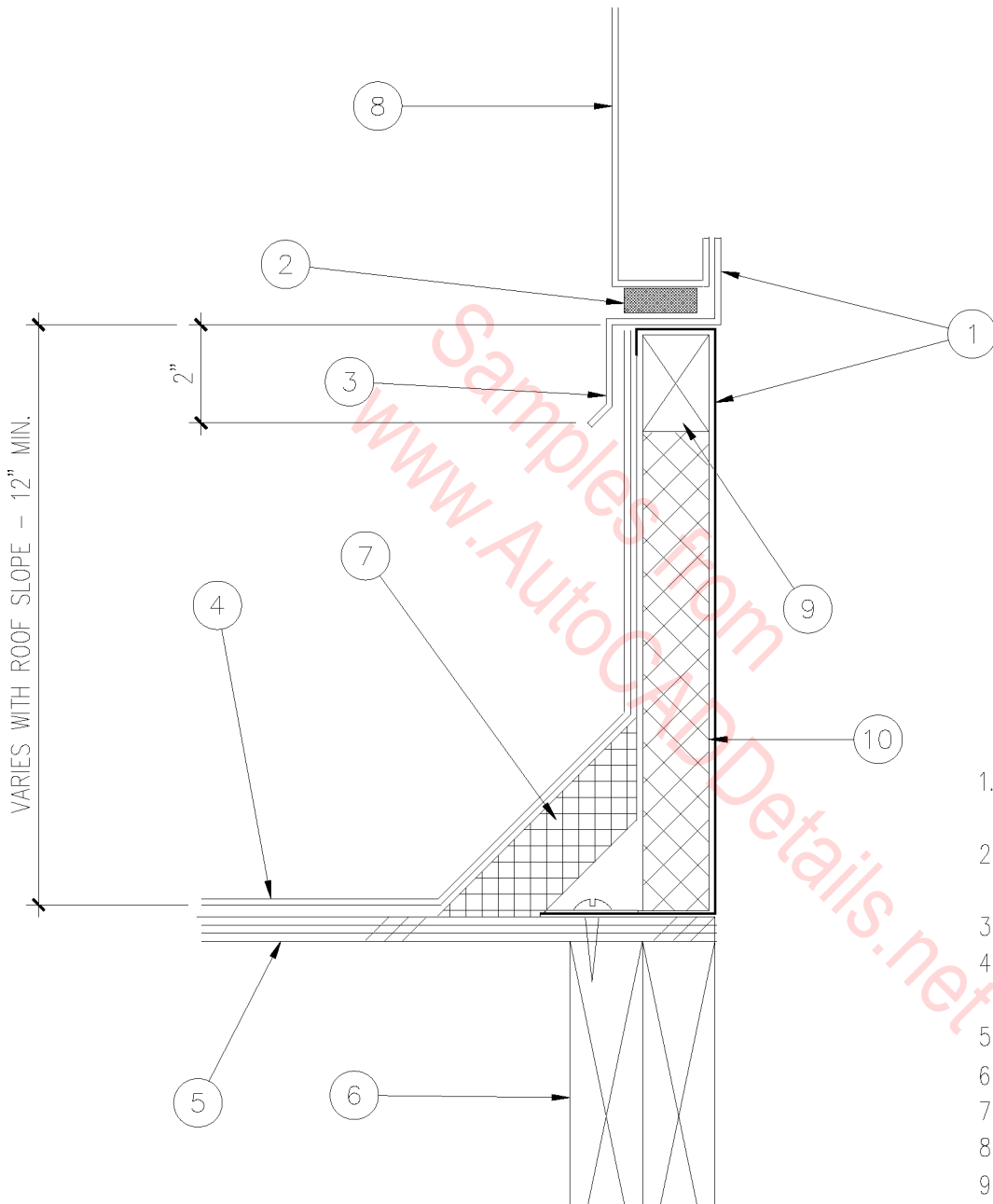
Samples from  
www.AutocADDetails.net



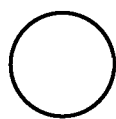
# ROOF HATCH

SCALE: 3" = 1'-0"

07D-5006



1. PREFABRICATED EQUIPMENT ROOF CURB
2. NEOPRENE GASKET CONTINUOUS AT TOP OF CURB
3. 20 GA. METAL CAP.
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
5. STRUCTURAL PLYWOOD DECK.
6. STRUCTURAL HEADERS.
7. 4" CANT STRIP.
8. MECHANICAL EQUIPMENT.
9. WOOD NAILER.
10. RIGID INSULATION.

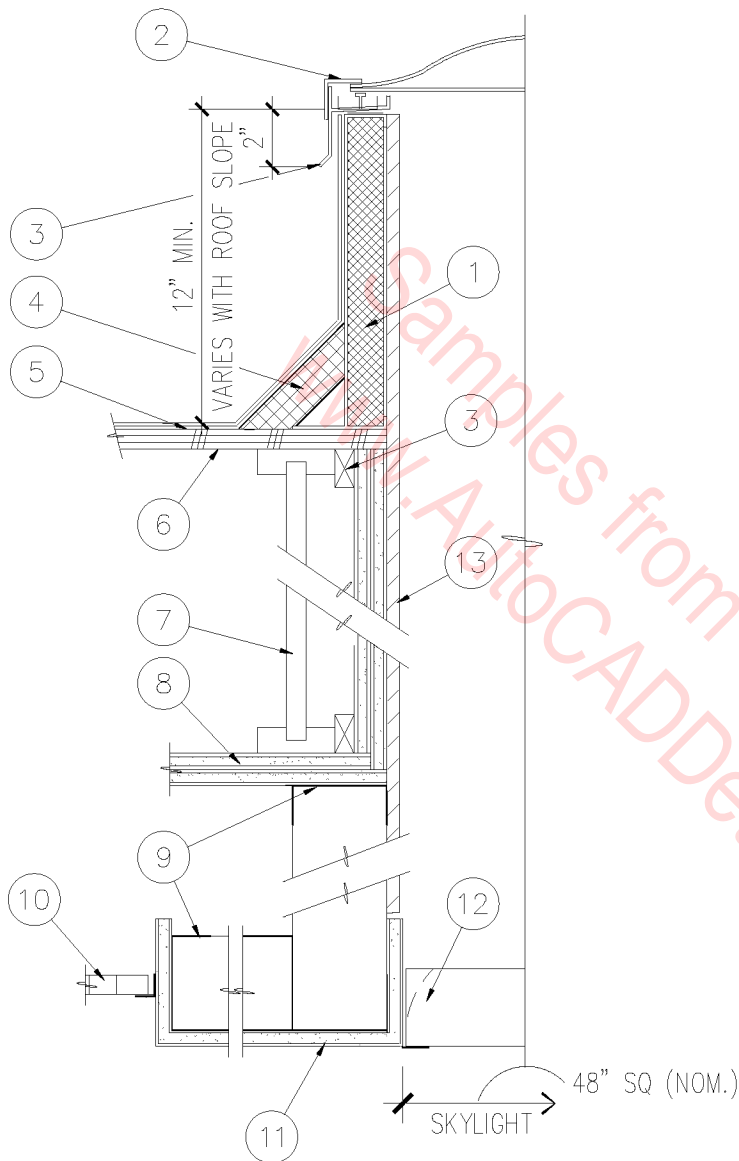


# EQUIPMENT CURB

SCALE: 1" = 1'-0"

07D-3001

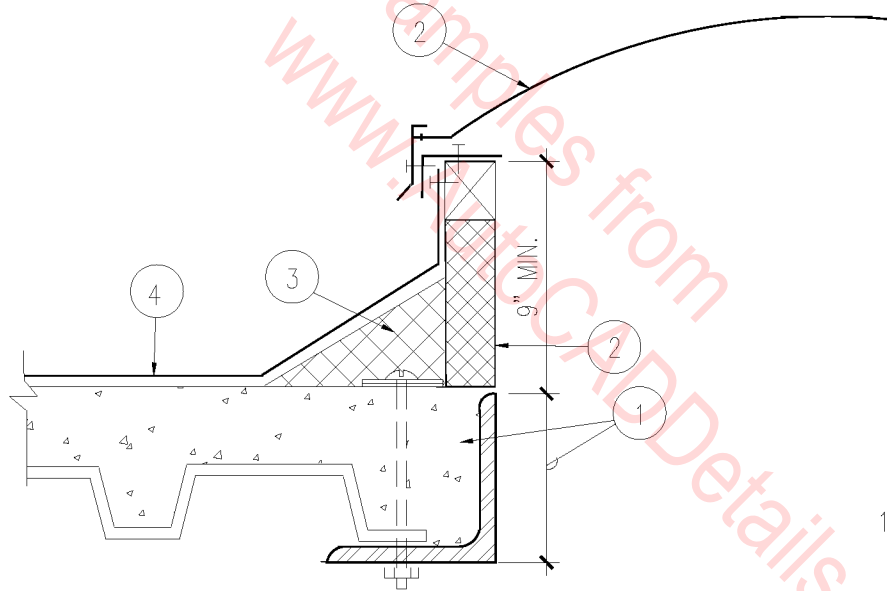




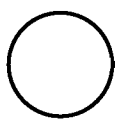
1. PREFABRICATED EQUIPMENT ROOF CURB.
2. SKYLIGHT.
3. BLOCKING AS REQUIRED.
4. 4" CANT.
5. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING SYSTEM.
6. PLYWOOD DECK.
7. WOOD JOIST.
8. ONE HR. RATED ROOF SYSTEM. TWO LAYERS OF 5/8" TYPE 'X' GYP. BD.
9. 3-5/8" METAL STUDS AT 16" O.C.
10. ACOUSTICAL CEILING PANEL.
11. GYP. BD. SOFFIT.
12. PARABOLIC LENS TO MATCH FLUORESCENT FIXTURES.
13. 1/2" 'CELOTEX' INSULATION BOARD WITH ALUMINUM FOIL BOTH SIDES CLEAR SIDE FACING OUT. TAPE ALL CORNERS WITH FOIL TAPE.

○ SKYLIGHT WELL  
 1 1/2" = 1'-0"

07D-3002



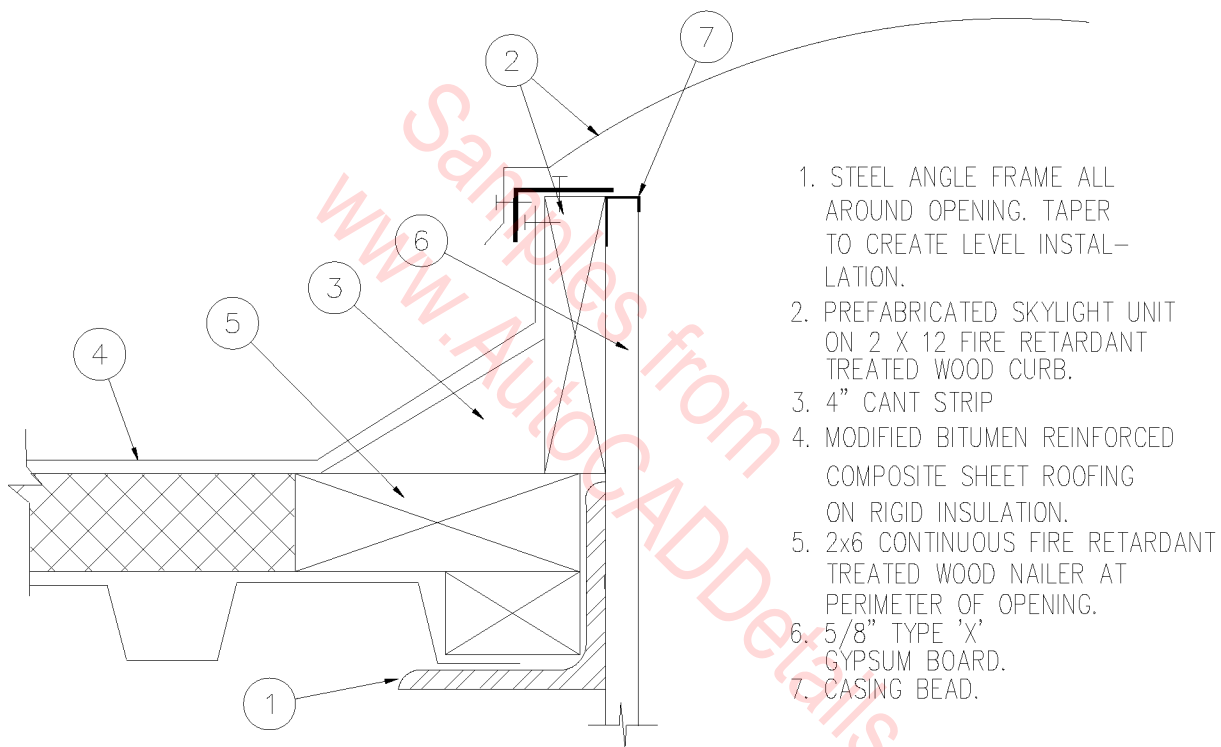
1. ANGLE IRON FRAME ALL AROUND OPENING. TAPER TO CREATE LEVEL INSTALLATION.
2. PREFABRICATED SKYLIGHT UNIT BOLTED TO FRAME @ 12" O.C. ALL AROUND.
3. 4" CANT STRIP.
4. MEMBRANE ROOFING OVER LIGHTWEIGHT FILL OVER 1 1/2" METAL DECKING.



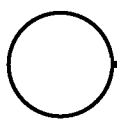
## SKYLIGHT CURB

SCALE: 1 1/2" = 1'-0"

07D-3003



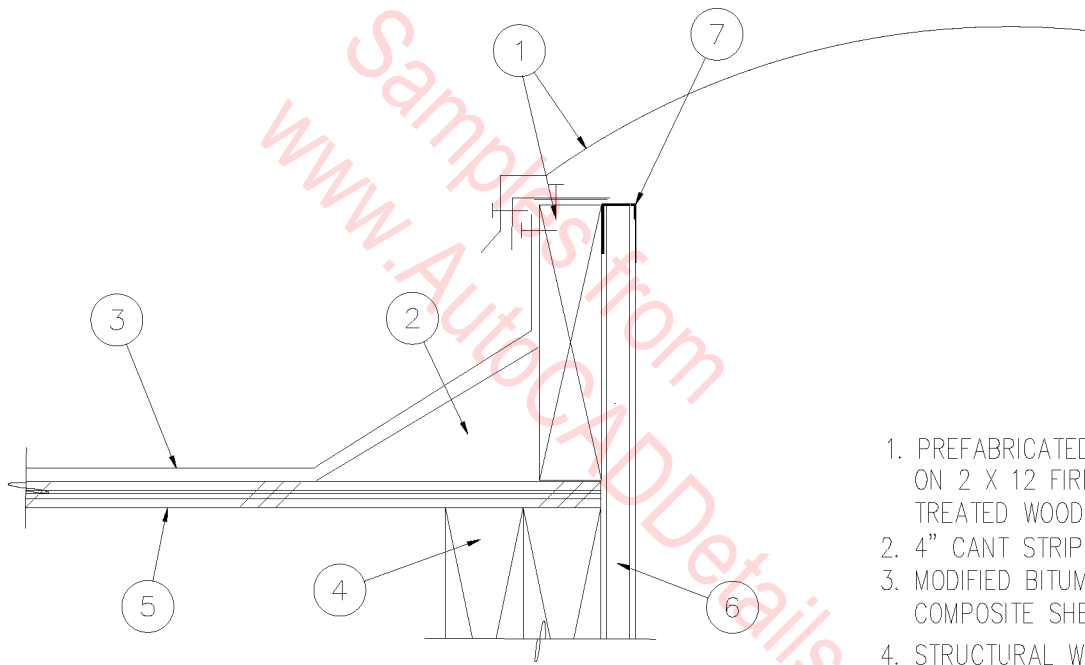
1. STEEL ANGLE FRAME ALL AROUND OPENING. TAPER TO CREATE LEVEL INSTALLATION.
2. PREFABRICATED SKYLIGHT UNIT ON 2 X 12 FIRE RETARDANT TREATED WOOD CURB.
3. 4" CANT STRIP
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING ON RIGID INSULATION.
5. 2x6 CONTINUOUS FIRE RETARDANT TREATED WOOD NAILER AT PERIMETER OF OPENING.
6. 5/8" TYPE 'X' GYPSUM BOARD.
7. CASING BEAD.



## SKYLIGHT AT METAL DECK

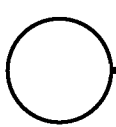
SCALE: 1" = 1'-0"

07D-3004



Samples from  
www.AutocADDetails.net

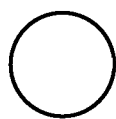
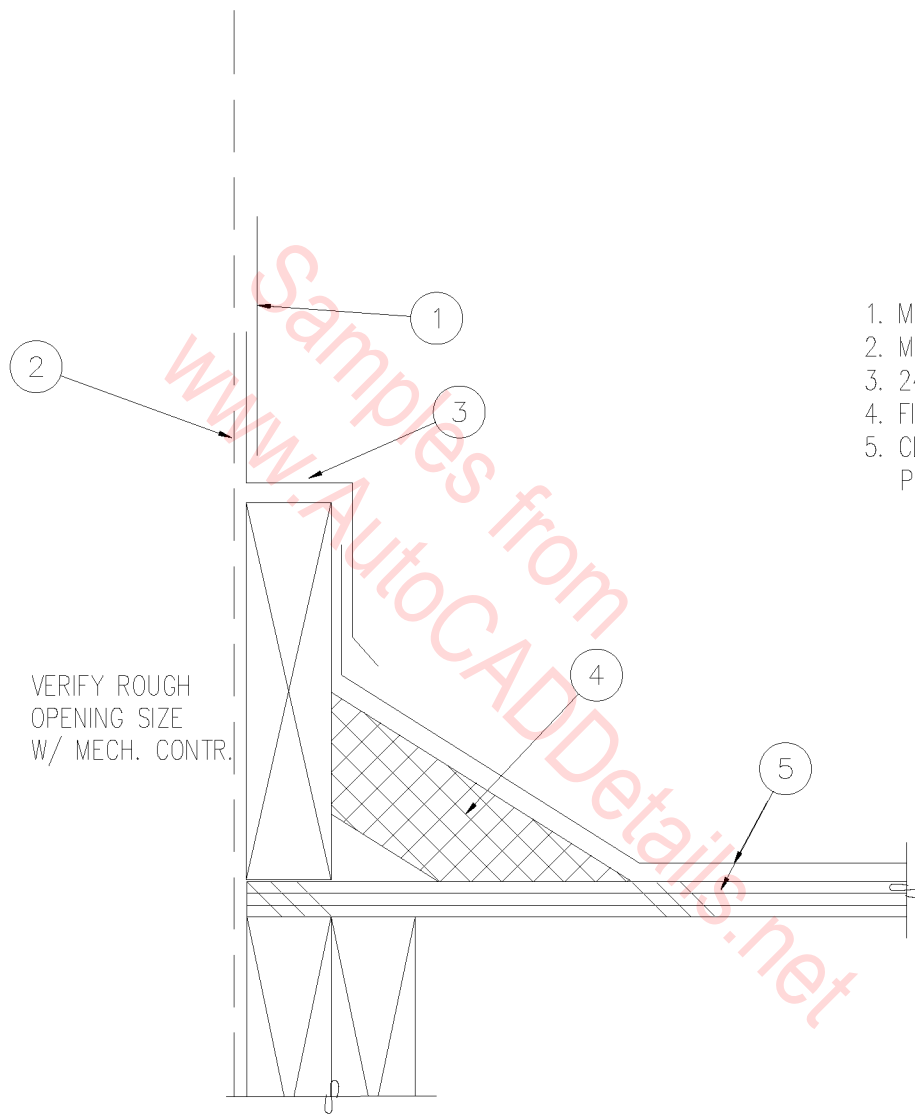
1. PREFABRICATED SKYLIGHT UNIT ON 2 X 12 FIRE RETARDANT TREATED WOOD CURB.
2. 4" CANT STRIP.
3. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING
4. STRUCTURAL WOOD HEADERS.
5. STRUCTURAL PLYWOOD SHEATHING.
6. 5/8" TYPE 'X' GYPSUM BOARD.
7. CASING BEAD.



# SKYLIGHT AT WOOD JOIST

SCALE: 1" = 1'-0"

07D-3005

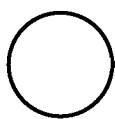
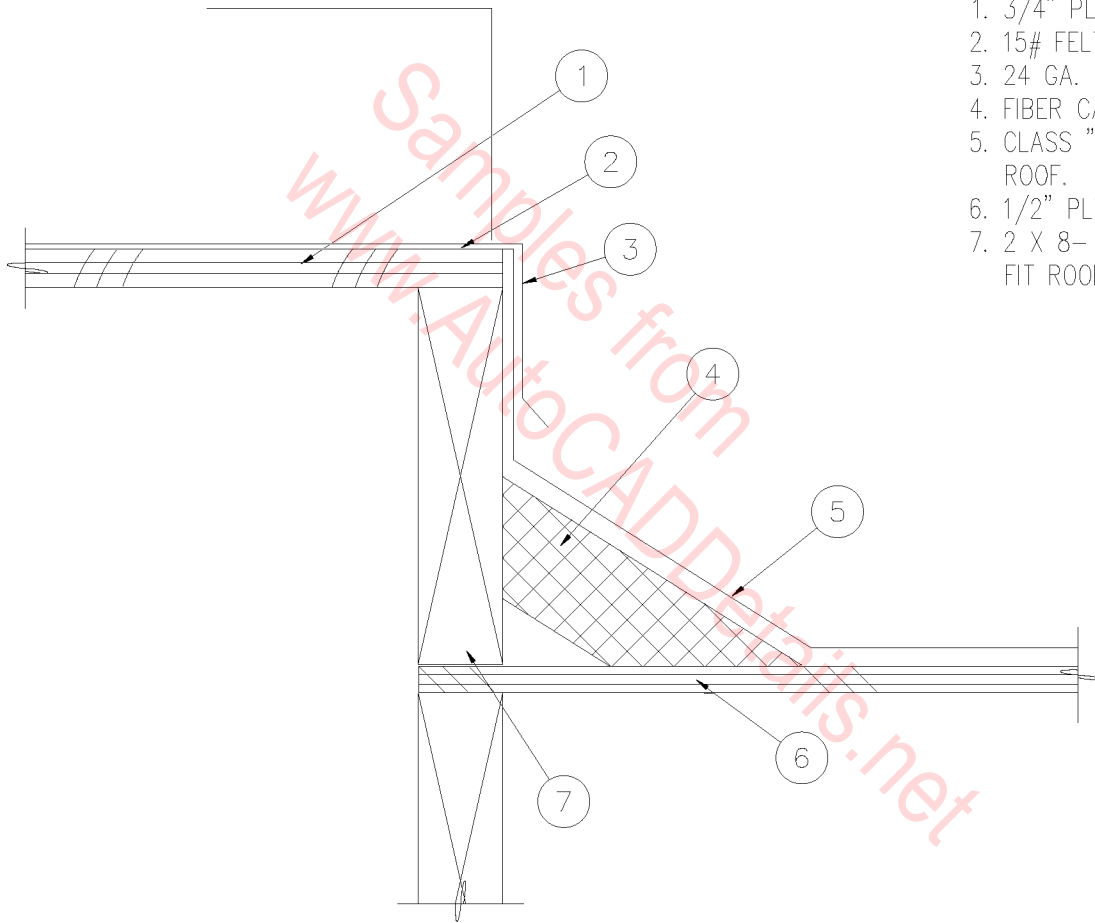


# ROOF PENETRATION

SCALE: 3" = 1'-0"

07D-3006

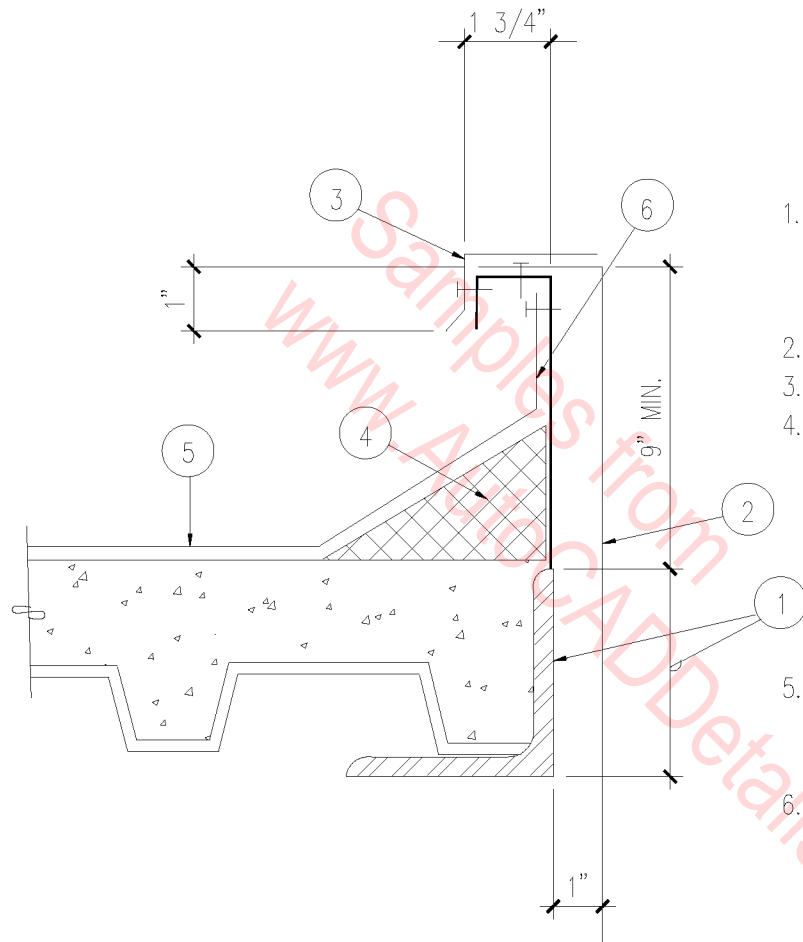
EQUIP. SIZE  
PLUS 4' ALL  
AROUND



## EQUIPMENT BASE

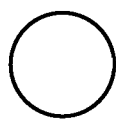
SCALE: 3" = 1'-0"

07D-3007



1. ANGLE IRON FRAME ALL AROUND OPENING. TAPER TO CREATE LEVEL INSTALLATION.
2. METAL DUCT—SEE MECHANICAL.
3. FAN UNIT—SEE MECHANICAL.
4. 4" CANT STRIP.

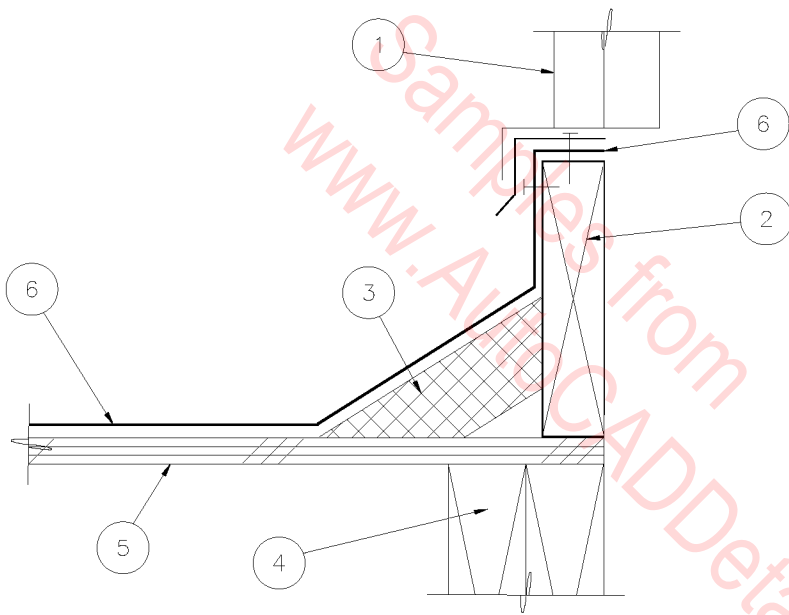
5. MEMBRANE ROOFING OVER LIGHTWEIGHT FILL OVER 1 1/2" METAL DECKING.
6. 18 GA. SHEET METAL CURBING W/ 4" FLANGE. BOLT TO FRAME @ 12" O.C. ALL AROUND.



# EXHAUST FAN CURB

SCALE: 3" = 1'-0"

07D-3008



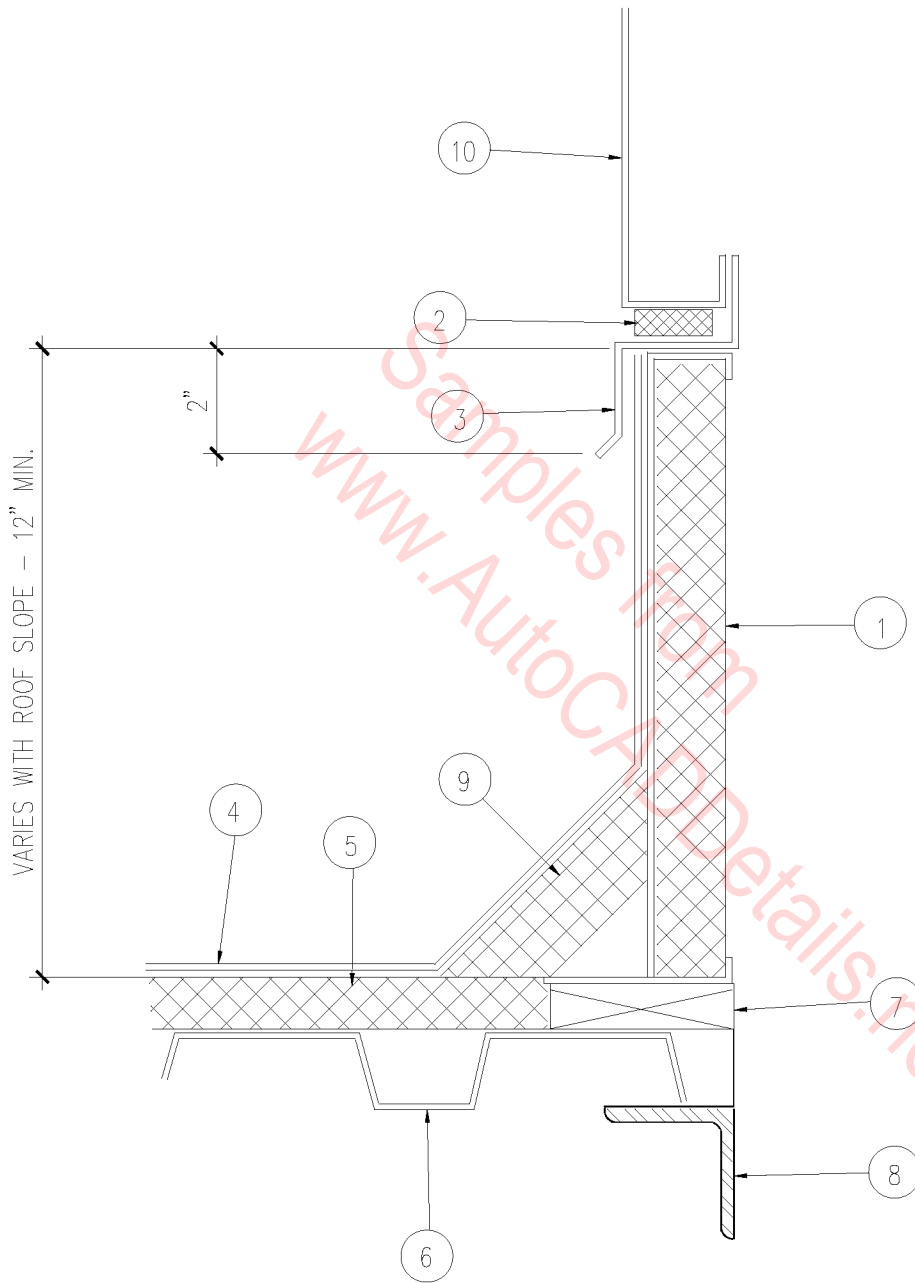
1. EXHAUST FAN OR RELIEF VENT.
2. 2 X 8 FIRE RETARDANT WOOD CURB.
3. CANT STRIP.
4. 2X FRAMING.
5. PLYWOOD DECK.
6. MODIFIED BITUMEN COMPOSITE SHEET ROOFING SYSTEM, CONTINUOUS OVER TOP OF CURB.

## MECHANICAL EQUIPMENT CURB

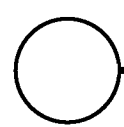
1" = 1'-0"

07D-3009





1. PREFABRICATED EQUIPMENT ROOF CURB.
2. NEOPRENE GASKET CONTINUOUS AT TOP OF CURB.
3. 20 GA GI FLASHING.
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET.
5. RIGID INSULATION.
6. METAL DECK.
7. 1 X 4 FIRE-RETARDANT TREATED WOOD NAILER.
8. STEEL ANGLE SUPPORT FOR CURB.
9. 4" CANT.
10. MECHANICAL EQUIPMENT.

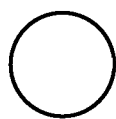
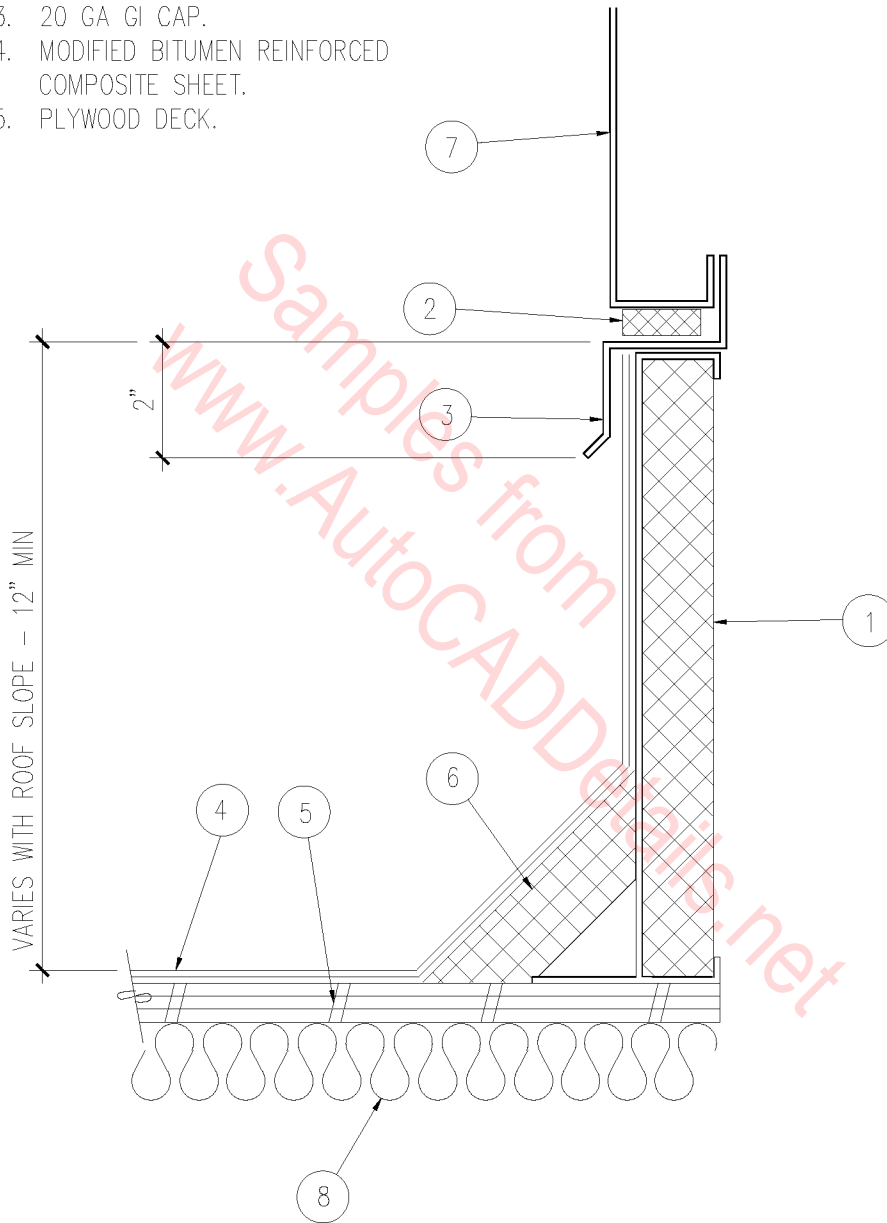


# EQUIPMENT CURB

SCALE: 3" = 1'-0"

07D-3010

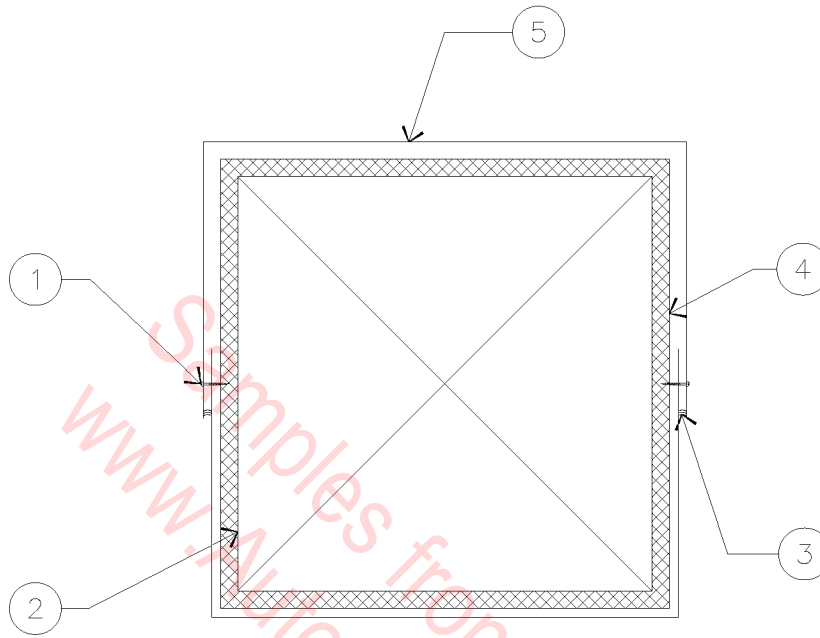
1. PREFABRICATED EQUIPMENT ROOF CURB.
2. NEOPRENE GASKET CONTINUOUS AT TOP OF CURB.
3. 20 GA GI CAP.
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET.
5. PLYWOOD DECK.
6. 4" CANT STRIP.
7. MECHANICAL EQUIPMENT.
8. BATT INSULATION.



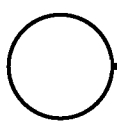
# EQUIPMENT CURB

SCALE: 3" = 1'-0"

07D-3011



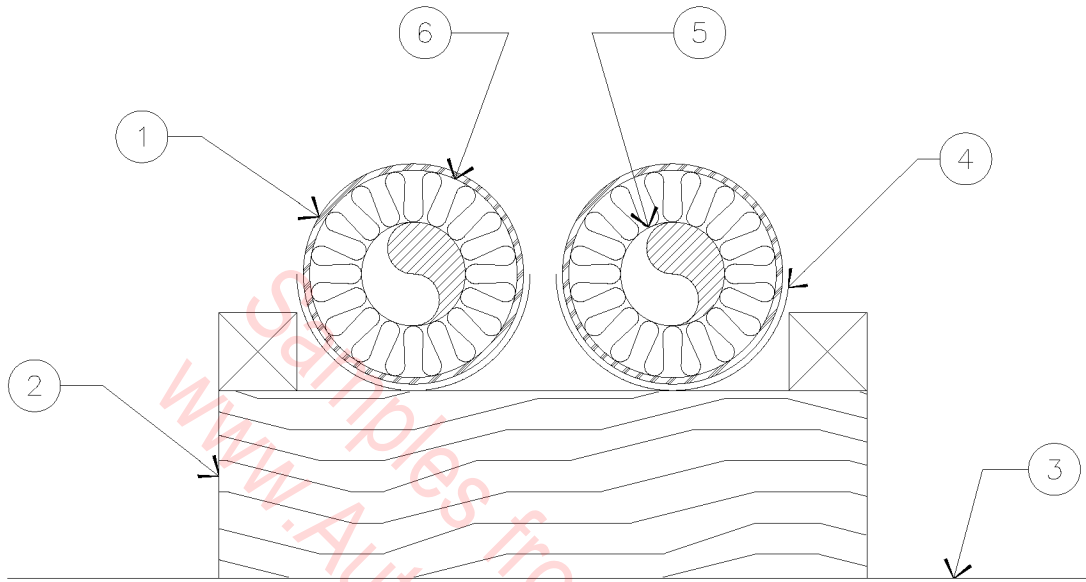
1. 1-1/2" SHEETMETAL SCREWS @ 6" O.C.
2. SHEETMETAL DUCTWORK PER SPECIFICATIONS.
3. SEAL WATERTIGHT WITH G.E. SILICONE.
4. 1" DUCTBOARD.
5. 26 GAUGE GALVANIZED WRAP.



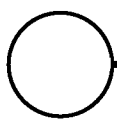
## DUCT ON ROOF

1" = 1'-0"

07D-3012



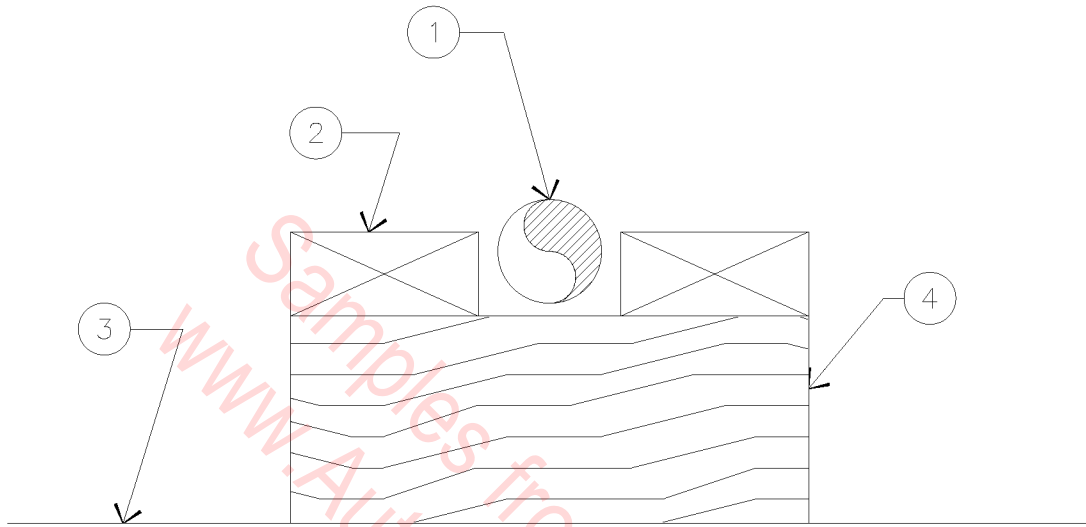
1. ALUMINUM ALL WEATHER JACKET.
2. 4 X 4 REDWOOD BLOCK.
3. ROOF.
4. PVC SADDLE, 2'-0" LONG.
5. PIPING.
6. 1" FIBERGLASS INSULATION.



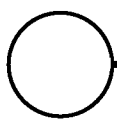
## PIPES ON ROOF

3" = 1'-0"

07D-3013



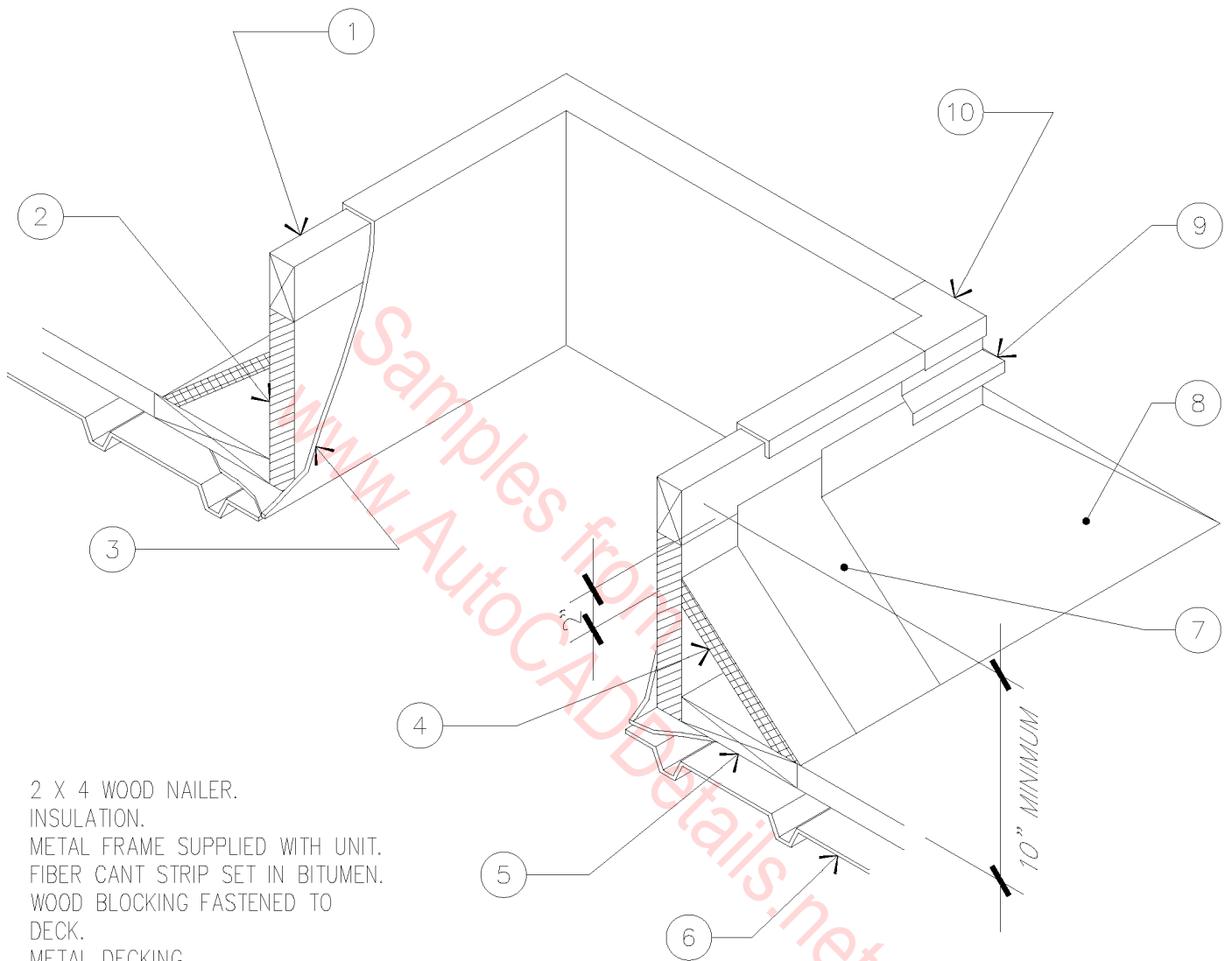
1. GAS PIPE.
2. 2 X 4 REDWOOD BLOCK, 8'-0"  
ON CENTER.
3. ROOF.
4. 4" X 4" X 10" REDWOOD BLOCK,  
6'-0" ON CENTER.



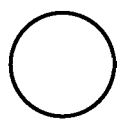
## GAS PIPE ON ROOF

3" = 1'-0"

07D-3014



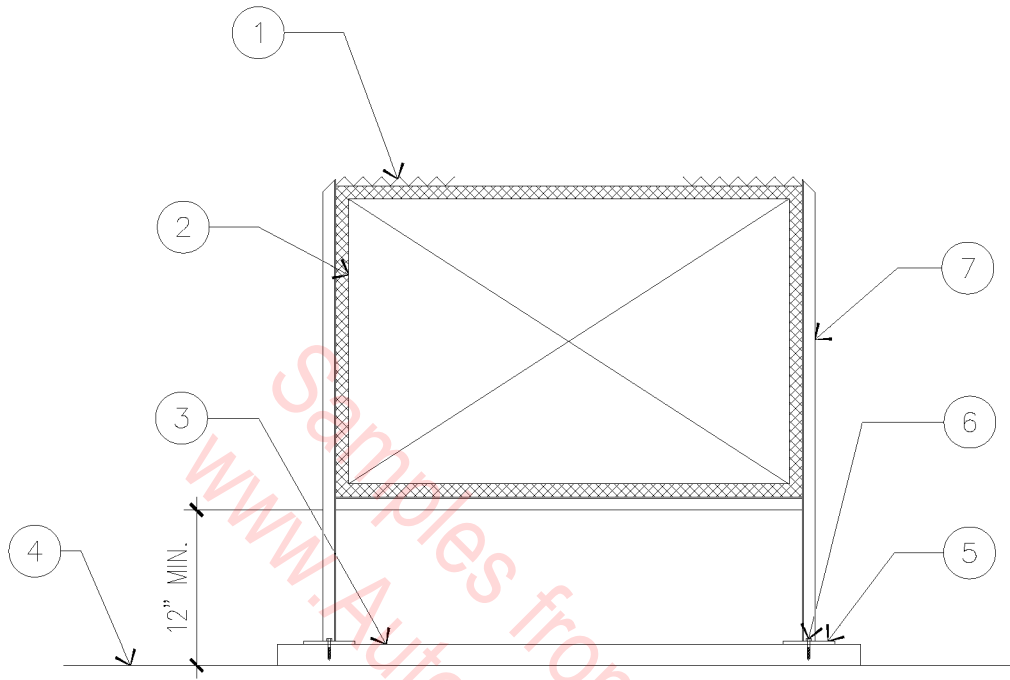
1. 2 X 4 WOOD NAILER.
2. INSULATION.
3. METAL FRAME SUPPLIED WITH UNIT.
4. FIBER CANT STRIP SET IN BITUMEN.
5. WOOD BLOCKING FASTENED TO DECK.
6. METAL DECKING.
7. BASE FLASHING.
8. COUNTERFLASHING EXTENDED DOWN TO PROTECT AGAINST FOOT DAMAGE.
9. COUNTERFLASHING FASTENED APPROXIMATELY 18" O.C.
10. FLASHING RECEIVER.



## EQUIPMENT CURB

1" = 1'-0"

07D-3015

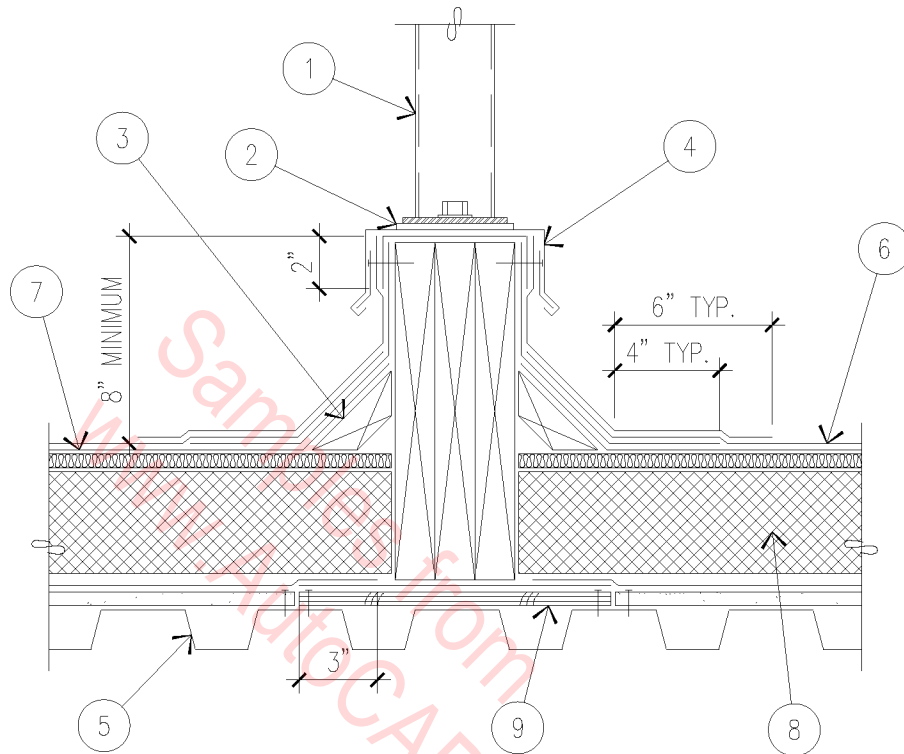


1. #14 GALVANIZED WIRE.
2. INSULATED DUCTWORK PER SPECIFICATIONS.
3. 2 X 6 REDWOOD.
4. ROOF DECK, SEE ARCHITECTURAL PLANS.
5. 4" X 4" X 1/4" BASE PLATE WELDED TO LEG.
6. 3/8" X 1-1/2" LAG SCREW.
7. 1" X 1" X 1/8" ANGLE.

# DUCT ON ROOF

3/4" = 1'-0"

07D-3016

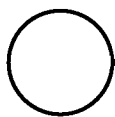


- 1. STRUCTURAL SUPPORT.
- 2. NEOPRENE PAD.
- 3. CANT STRIP.
- 4. CAP FLASHING.
- 5. METAL DECKING.
- 6. BUILT-UP ROOFING – SEE SPECIFICATIONS.
- 7. PRIMARY INSULATION.

- 8. OPTIONAL AIR/VAPOR BARRIER.
- 9. PLYWOOD.

NOTE: CANT STRIPS ARE NOT REQUIRED WHEN CAP FLASHING OR ALL PLIES ARE THERMOFUSED.

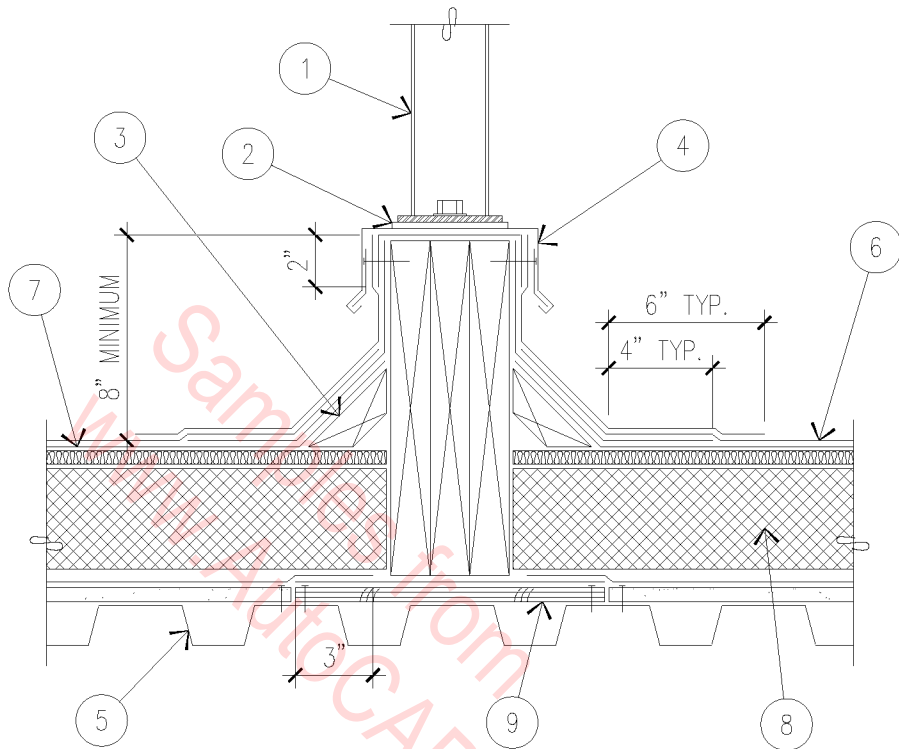
# EQUIPMENT STRUCTURAL SUPPORT



1 1/2" = 1'-0"

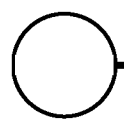
07D-3017





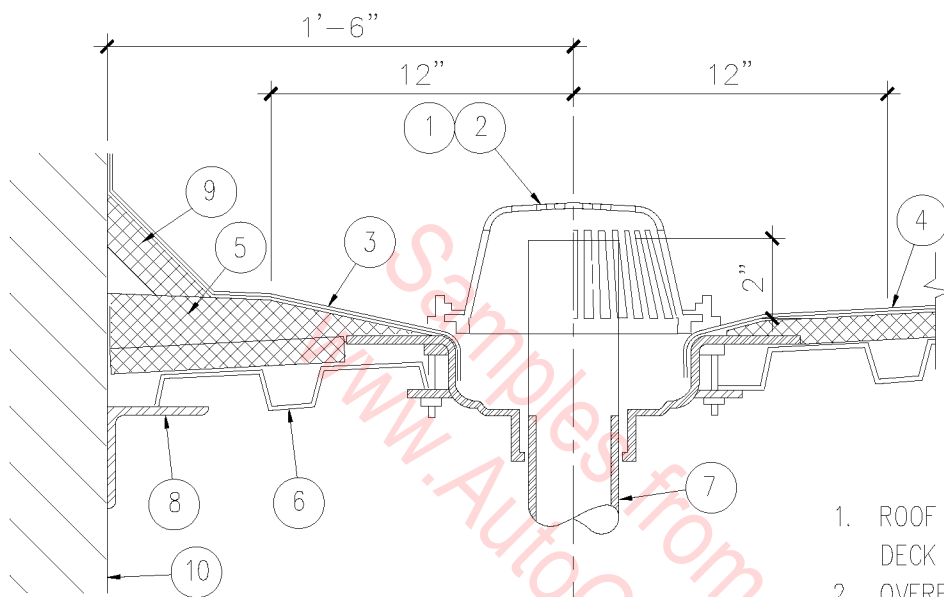
- |   |                                |
|---|--------------------------------|
| 1. STRUCTURAL SUPPORT.                    | 8. OPTIONAL AIR/VAPOR BARRIER. |
| 2. NEOPRENE PAD.                          | 9. PLYWOOD.                    |
| 3. CANT STRIP.                            |                                |
| 4. CAP FLASHING.                          |                                |
| 5. METAL DECKING.                         |                                |
| 6. BUILT-UP ROOFING – SEE SPECIFICATIONS. |                                |
| 7. PRIMARY INSULATION.                    |                                |
- NOTE: CANT STRIPS ARE NOT REQUIRED WHEN CAP FLASHING OR ALL PLIES ARE THERMOFUSED.

# EQUIPMENT STRUCTURAL SUPPORT

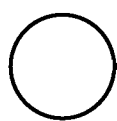


1 1/2" = 1'-0"

07D-3017



1. ROOF DRAIN WITH DOUBLE DECK CLAMP.
2. OVERFLOW DRAIN WITH DOUBLE DECK CLAMP AND 2" HIGH STANDPIPE.
3. LEAD FLASHING 24" SQUARE.
4. MODIFIED BITUMEN REINFORCED SHEET ROOFING ON RIGID INSULATION.
5. RIGID INSULATION CRICKETS WHERE REQUIRED, SEE ROOF PLAN, MIN 1/4"/LF AT CRICKET VALLEY.
6. METAL DECK.
7. ROOF DRAIN PIPE.
8. STEEL ANGLE LEDGER.
9. 4" CANT STRIP.
10. FACE OF MASONRY WALL.

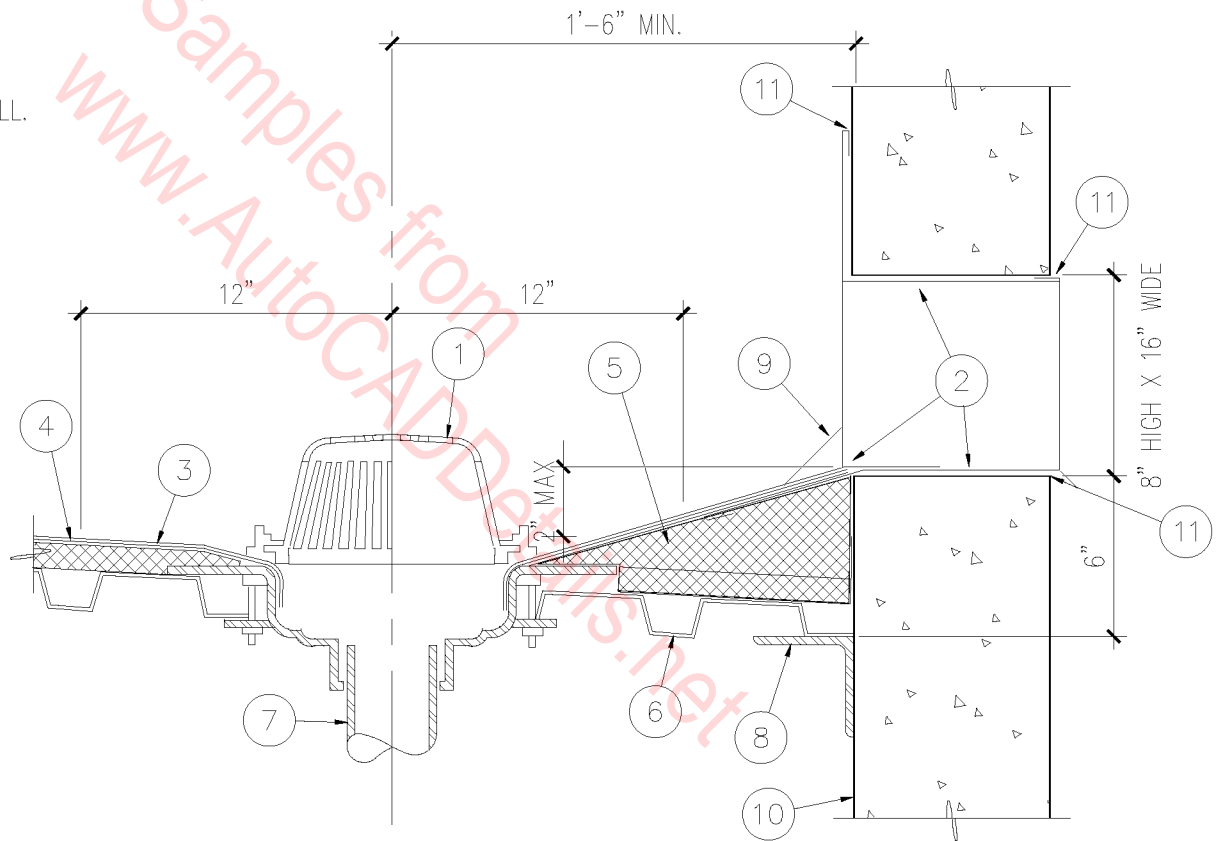


## ROOF & OVERFLOW DRAIN

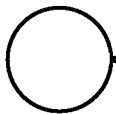
SCALE: 1 1/2" = 1'-0"

07D-2001

1. ROOF DRAIN WITH DOUBLE DECK CLAMP.
2. 20 GA. OVERFLOW SCUPPER AT PARAPET WALL, 2" MAX. ABOVE ROOF DRAIN INVERT.
3. LEAD FLASHING 24" SQUARE.
4. MODIFIED BITUMEN REINFORCED SHEET ROOFING ON RIGID INSULATION.
5. RIGID INSULATION CRICKETS WHERE REQUIRED, SEE ROOF PLAN, MIN. 1/4" / LF AT CRICKET VALLEY.
6. METAL DECK.
7. ROOF DRAIN PIPE.
8. STEEL ANGLE LEDGER.
9. 4" CANT.
10. FACE OF CONCRETE WALL.
11. SEALANT.



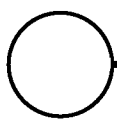
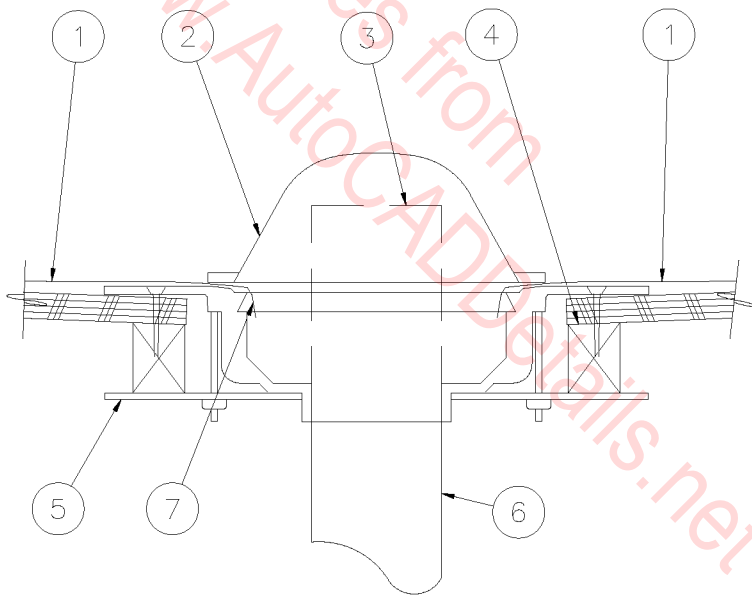
## ROOF DRAIN AND OVERFLOW SCUPPER



1 1/2" = 1'-0"

07D-2002

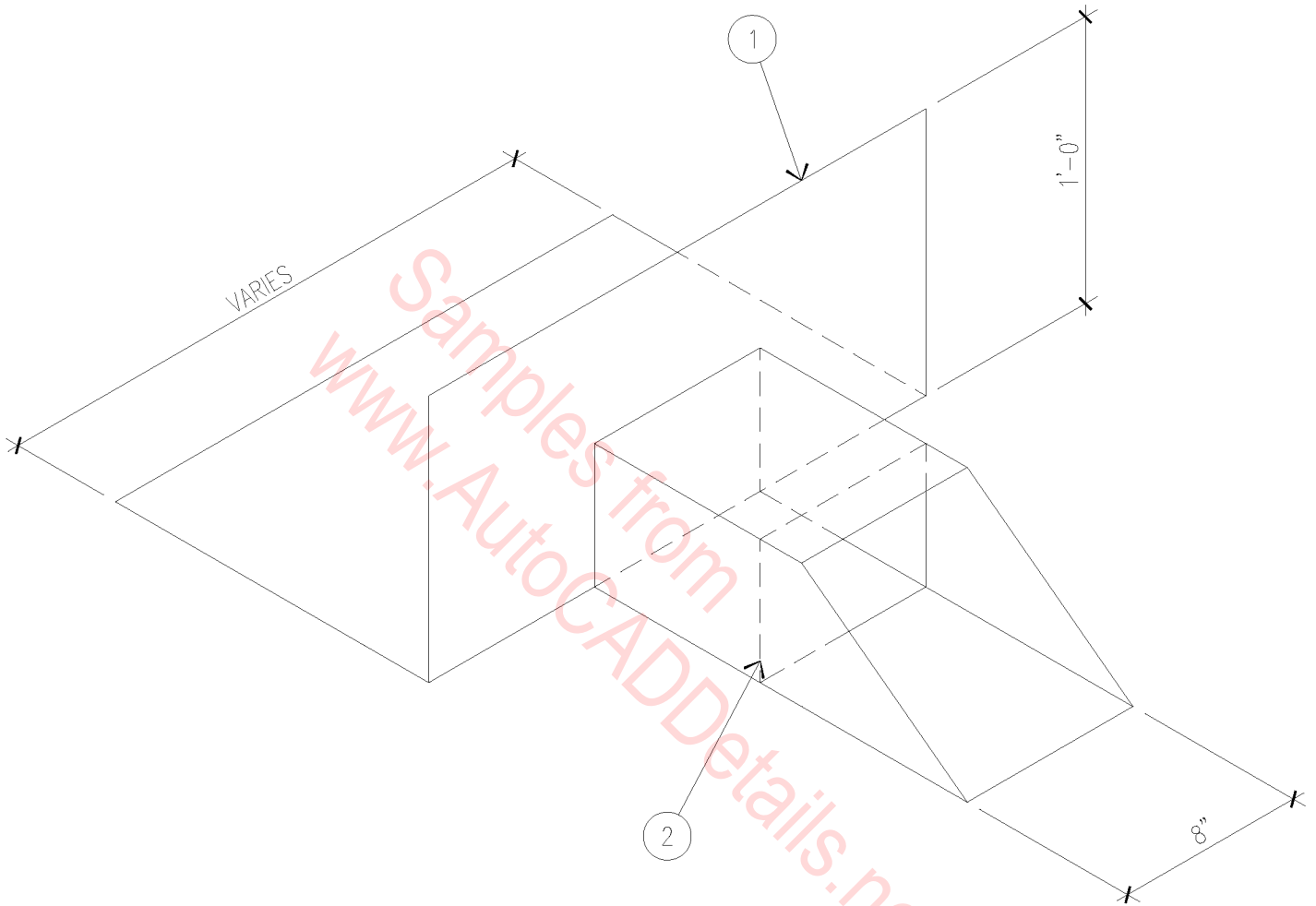
1. MODIFIED BITUMEN COMPOSITE SHEET ROOFING SYSTEM.
2. ROOF DRAIN.
3. OVERFLOW PIPE AS OCCURS.
4. WOOD BLOCKING.
5. UNDERDECK CLAMP.
6. ROOF DRAINAGE PIPING.
7. RUN ROOFING INTO BODY OF DRAIN.



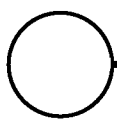
## ROOF DRAIN

SCALE: 3" = 1'-0"

07D-2003



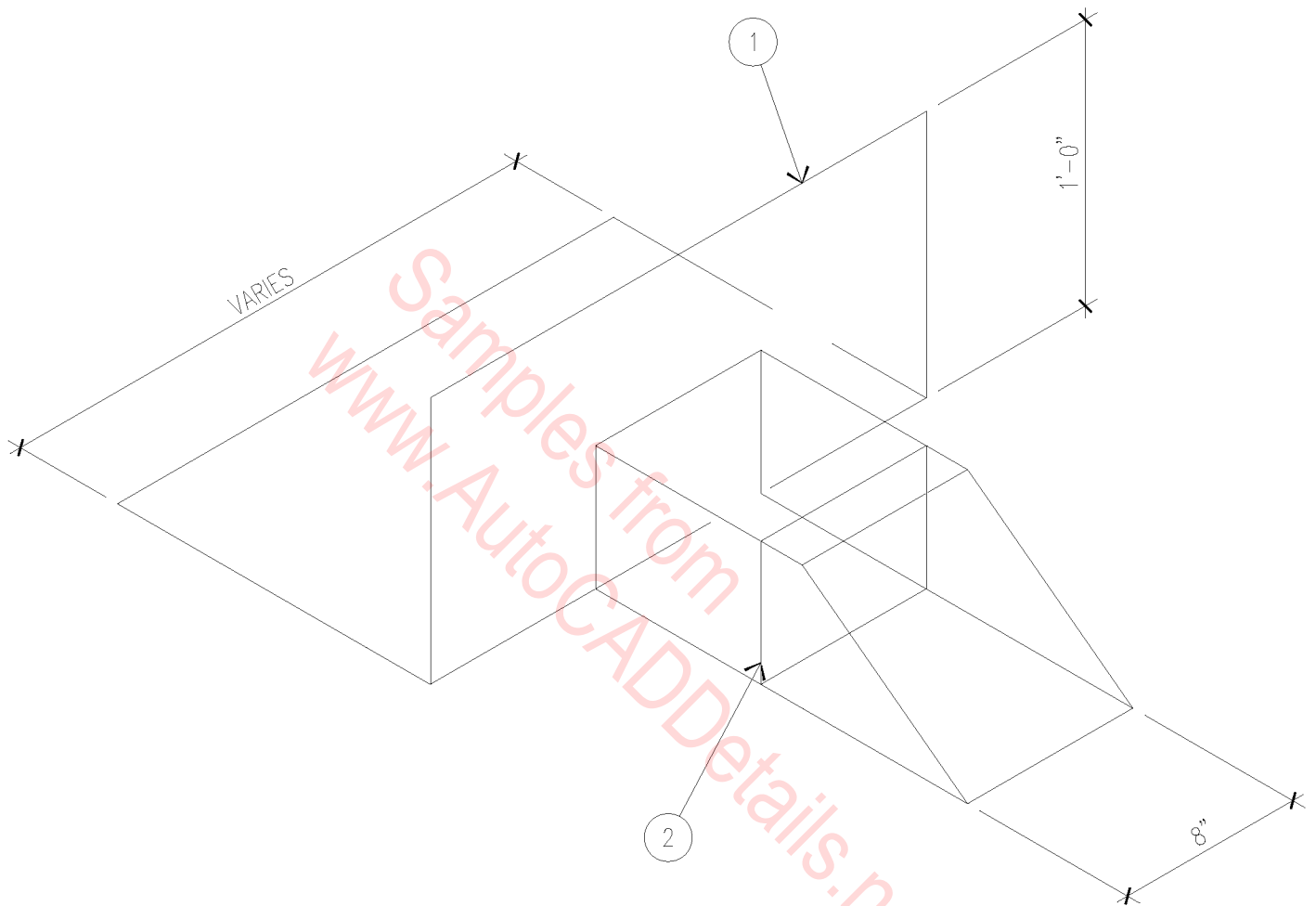
1. 20 GAUGE GALVANIZED IRON –  
SOLDER ALL JOINTS.
2. SEAL AT MASONRY OPENING.



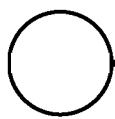
## SCUPPER FLASHING

1 1/2" = 1'-0"

07D-2004



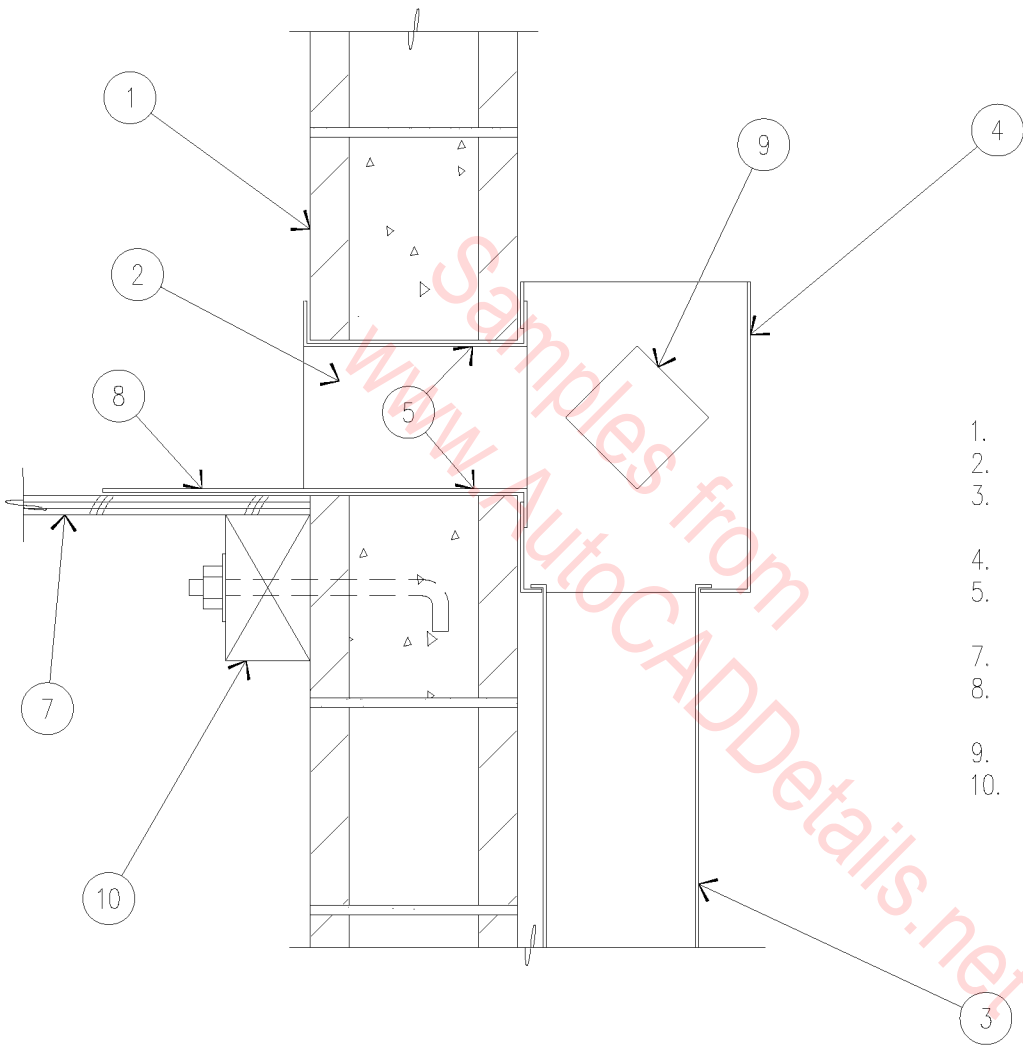
1. 20 GAUGE GALVANIZED IRON –  
SOLDER ALL JOINTS.
2. SEAL AT MASONRY OPENING.



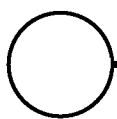
## SCUPPER FLASHING

1 1/2" = 1'-0"

07D-2004



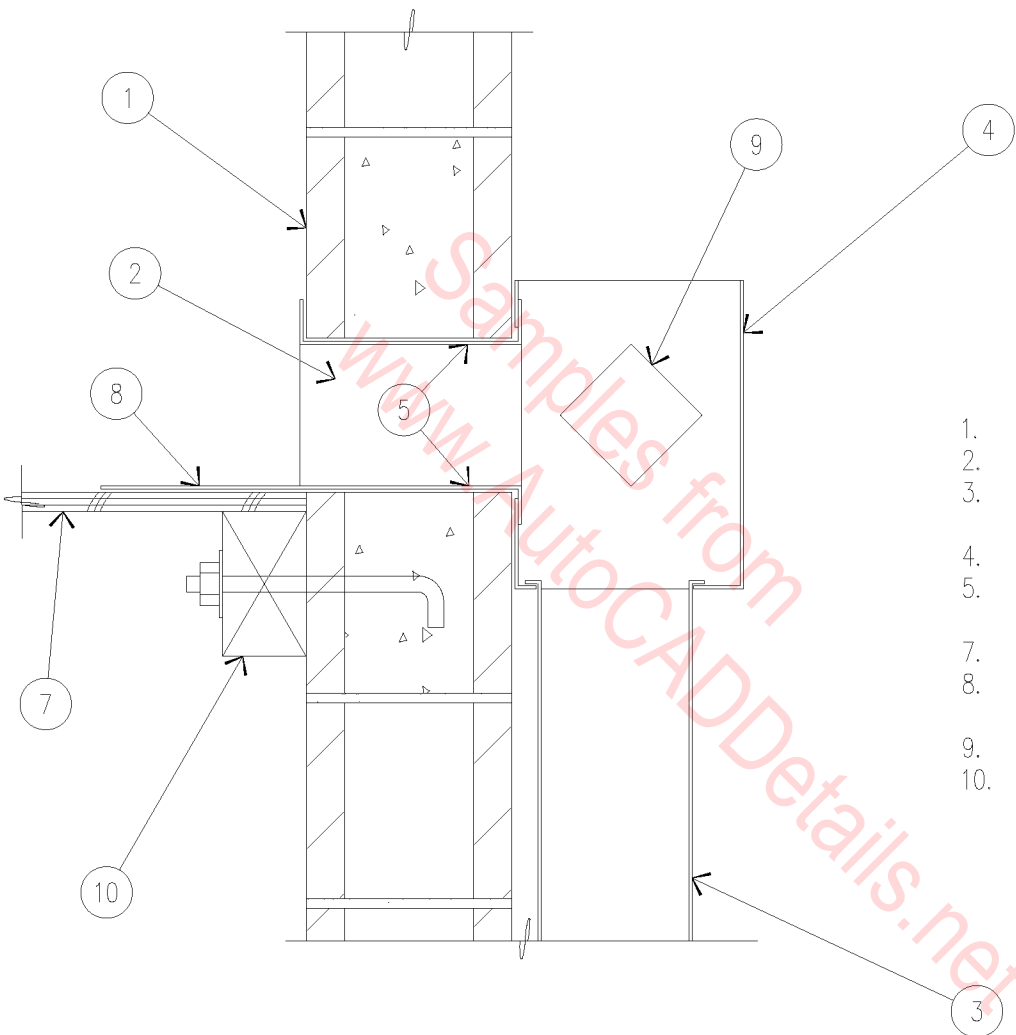
1. CMU WALL.
2. SCUPPER OPENING.
3. 22 GAUGE GALVANIZED IRON DOWNSPOUT.
4. LEADER BOX.
5. GALVANIZED METAL FLASHING ALL AROUND.
7. PLYWOOD ROOF DECK.
8. 22 GAUGE GALVANIZED IRON SCUPPER FLASHING.
9. OVERFLOW BEYOND.
10. LEDGER.



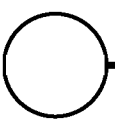
# SCUPPER/DOWNSPOUT

1 1/2" = 1'-0"

07D-2005



1. CMU WALL.
2. SCUPPER OPENING.
3. 22 GAUGE GALVANIZED IRON DOWNSPOUT.
4. LEADER BOX.
5. GALVANIZED METAL FLASHING ALL AROUND.
7. PLYWOOD ROOF DECK.
8. 22 GAUGE GALVANIZED IRON SCUPPER FLASHING.
9. OVERFLOW BEYOND.
10. LEDGER.



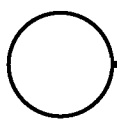
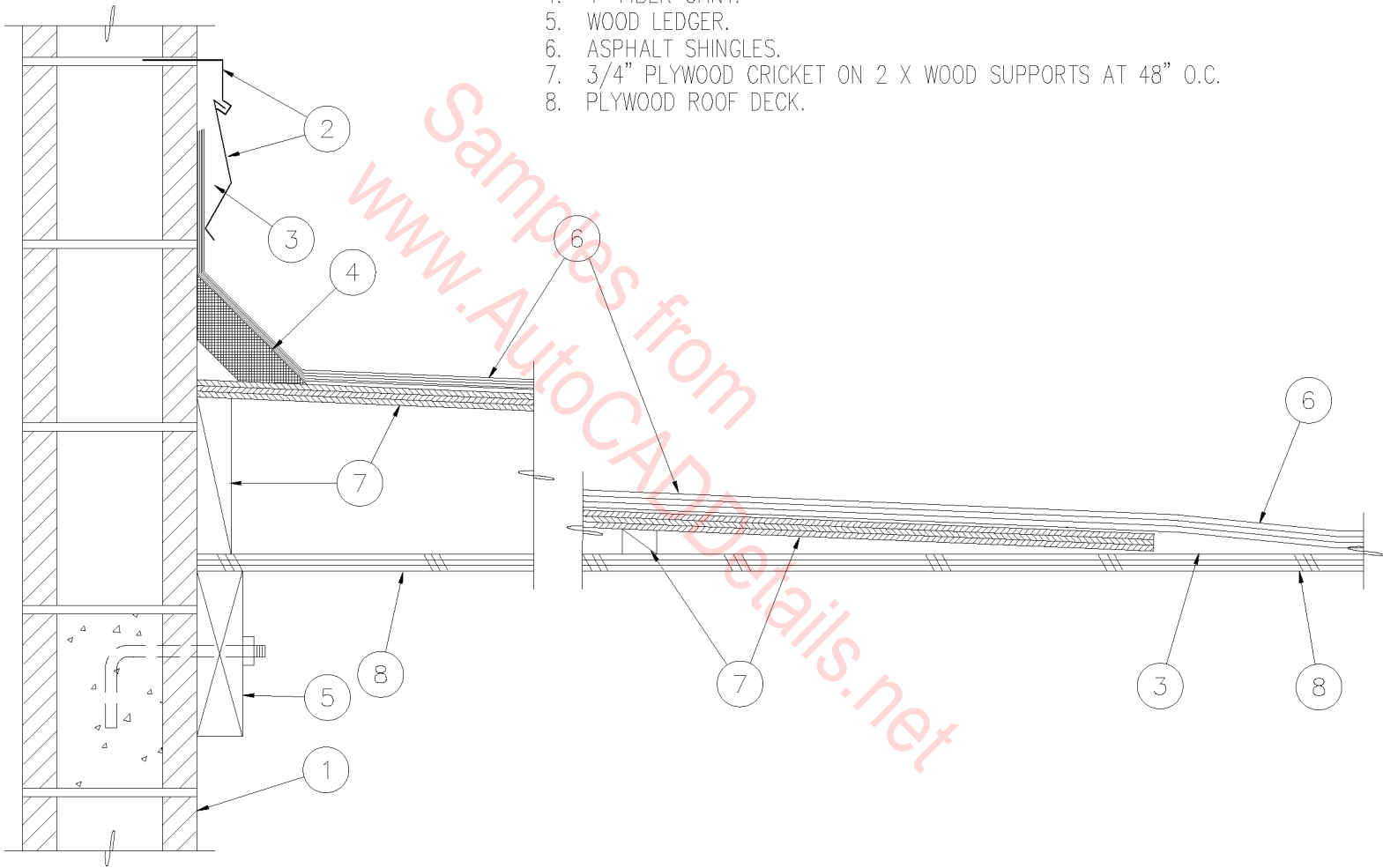
# SCUPPER/DOWNSPOUT

1 1/2" = 1'-0"

07D-2005



1. 8" C.M.U PARAPET WITH ELASTOMERIC COATING.
2. G.I. REGLET & COUNTER FLASHING.
3. 22 GA. G.I. SHEET METAL FLASHING WITH CONTINUOUS HEM.
4. 4" FIBER CANT.
5. WOOD LEDGER.
6. ASPHALT SHINGLES.
7. 3/4" PLYWOOD CRICKET ON 2 X WOOD SUPPORTS AT 48" O.C.
8. PLYWOOD ROOF DECK.

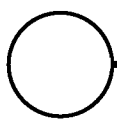
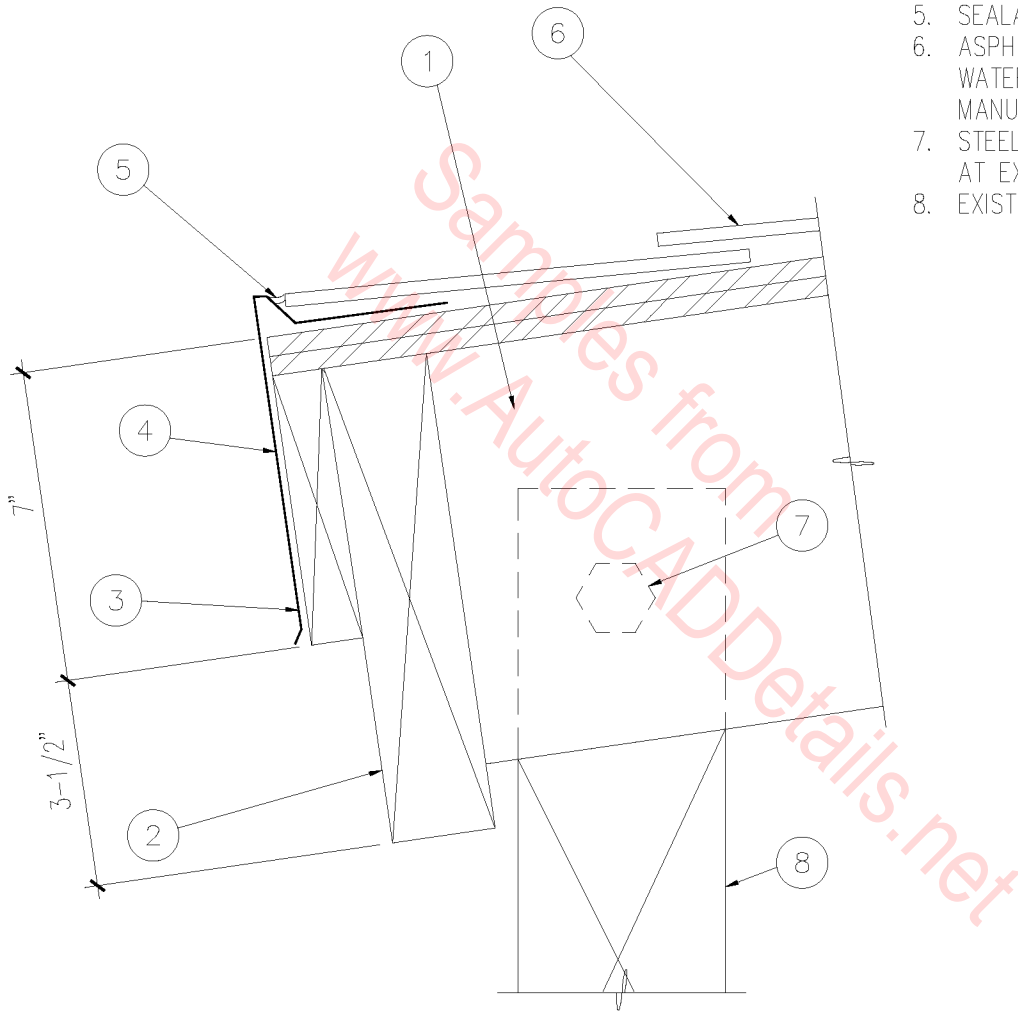


## PLYWOOD CRICKET

SCALE: 1 1/2" = 1'-0"

07C-1001

1. ROOF DECK AND STRUCTURE.
2. 2X10 WOOD FASCIA.
3. 1X6 WOOD TRIM.
4. 24 GA. GALV. SHEET METAL FLASHING.
5. SEALANT CONTINUOUS.
6. ASPHALT SHINGLES WITH WATERPROOF UNDERLAYMENT PER MANUFACTURER'S SPECIFICATIONS.
7. STEEL BRACKET AND THROUGH BOLT AT EXISTING - WHERE OCCURS.
8. EXISTING BEAM - WHERE OCCURS.

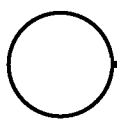
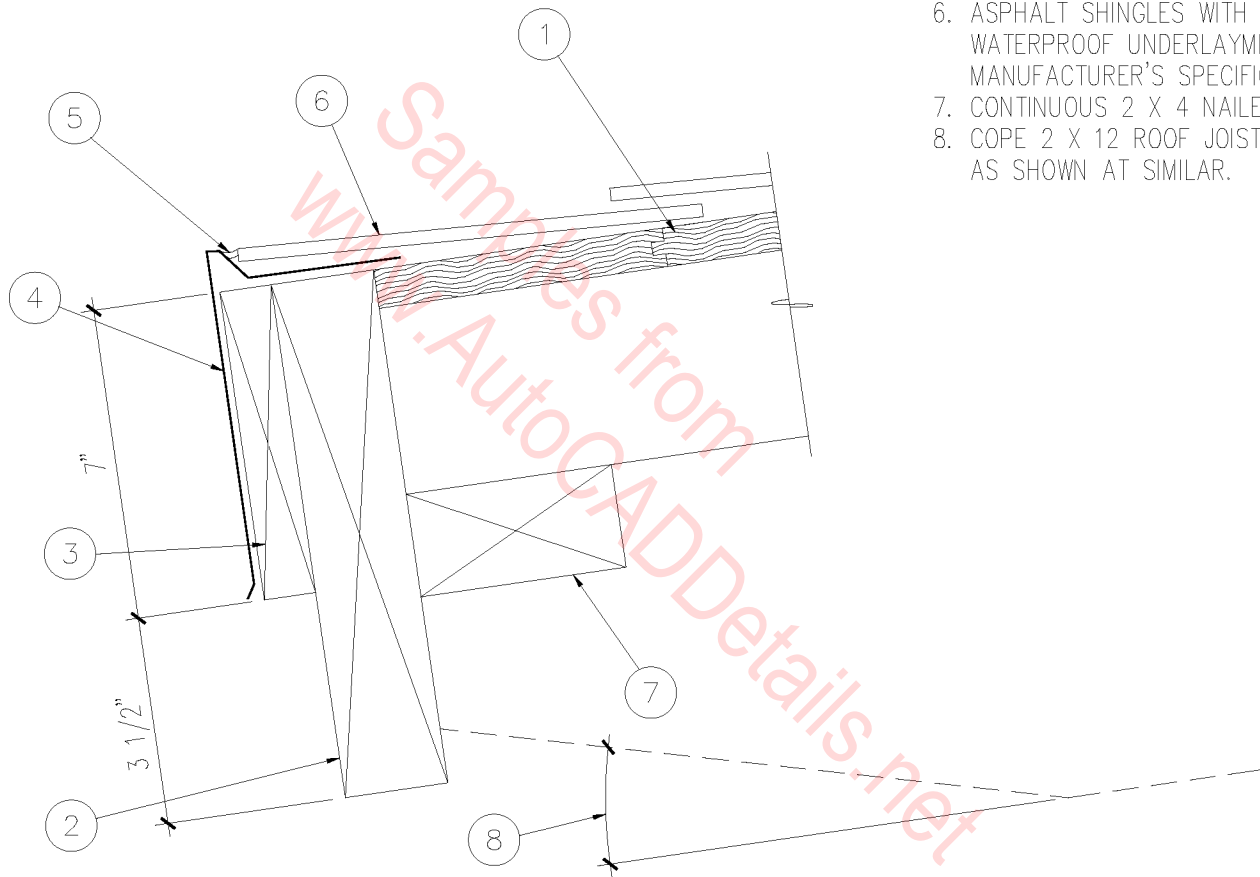


# ROOF FASCIA

SCALE: 3" = 1'-0"

07C-1002

1. PLANK ROOFING.
2. 2X10 WOOD FASCIA.
3. 1X6 WOOD TRIM.
4. 24 GA. GALV. SHEET METAL FLASHING.
5. SEALANT – CONTINUOUS.
6. ASPHALT SHINGLES WITH WATERPROOF UNDERLAYMENT PER MANUFACTURER'S SPECIFICATIONS
7. CONTINUOUS 2 X 4 NAILER.
8. COPE 2 X 12 ROOF JOISTS AS SHOWN AT SIMILAR.

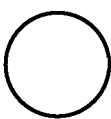
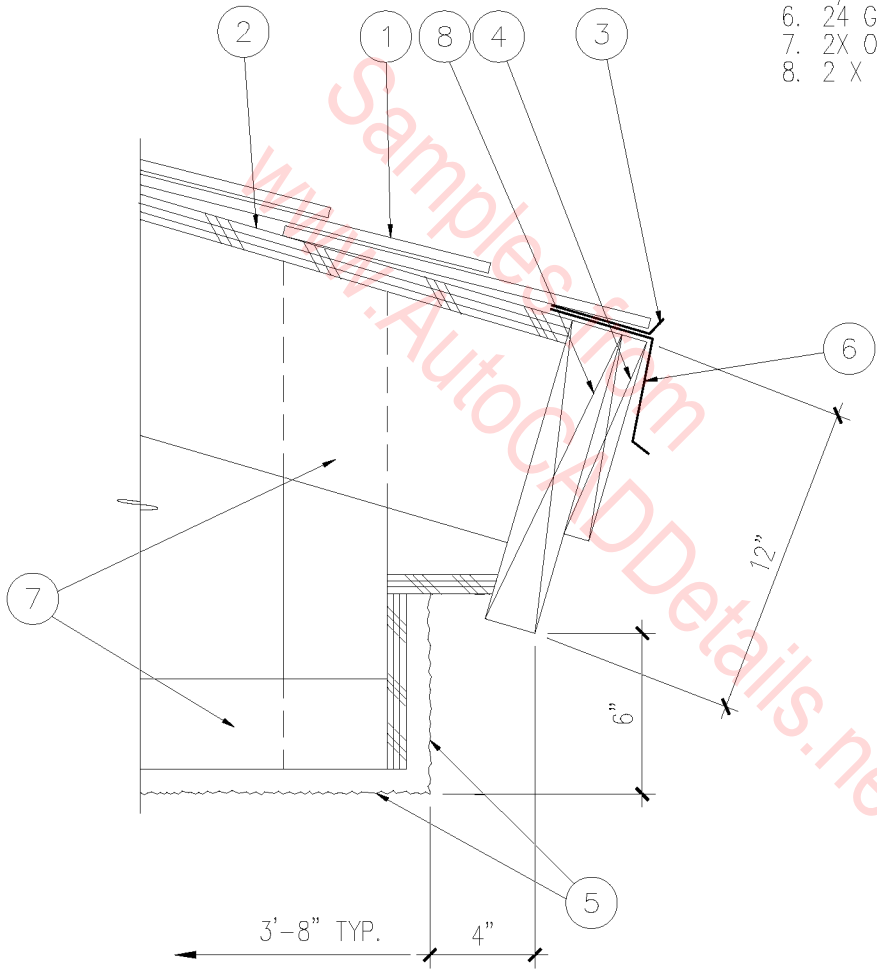


## ROOF FASCIA

SCALE: 3" = 1'-0"

07C-1003

1. ASPHALT SHINGLES WITH WATERPROOF UNDERLAYMENT PER MANUFACTURER'S SPECIFICATIONS.
2. PLYWOOD SHEATHING.
3. 24 GA. G.I. FLASHING-PAINTED.
4. 1 X 8 CONTINUOUS WOOD NAILER.
5. 3/4" CEMENT PLASTER ON METAL LATH.
6. 24 GA. GALV. SHEET METAL DRIP.
7. 2X OVERHANG FRAMING.
8. 2 X 12 CONTINUOUS WOOD FASCIA

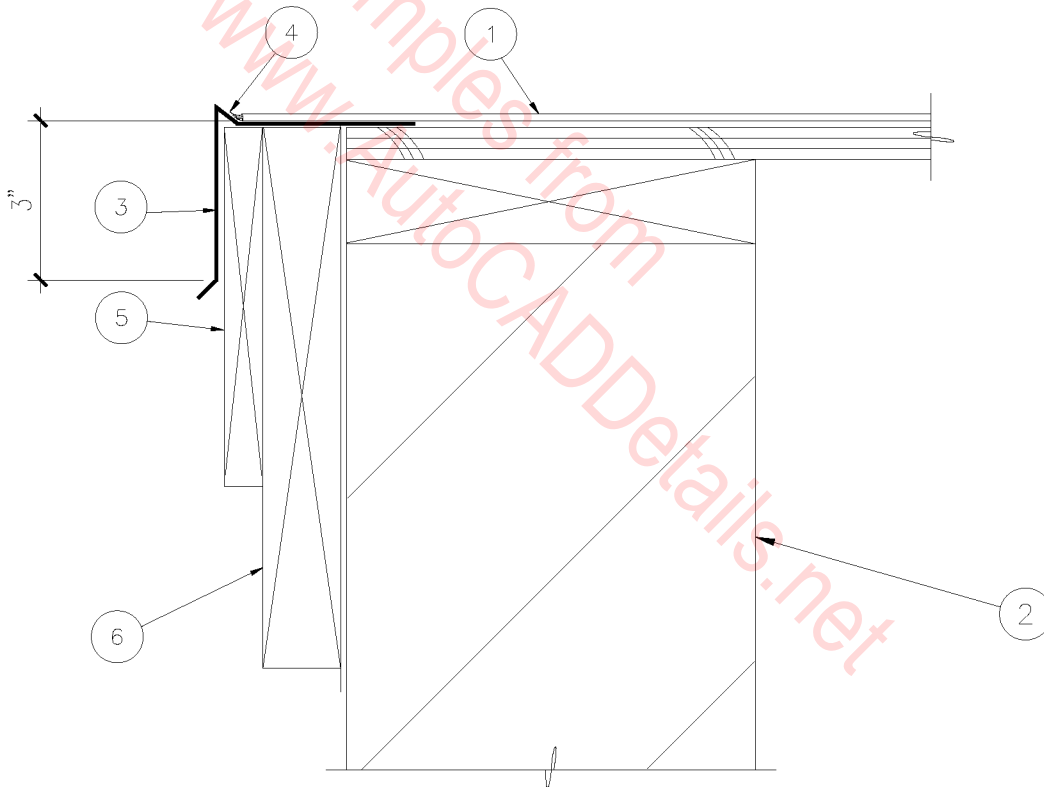


# ROOF FASCIA

SCALE: 3" = 1'-0"

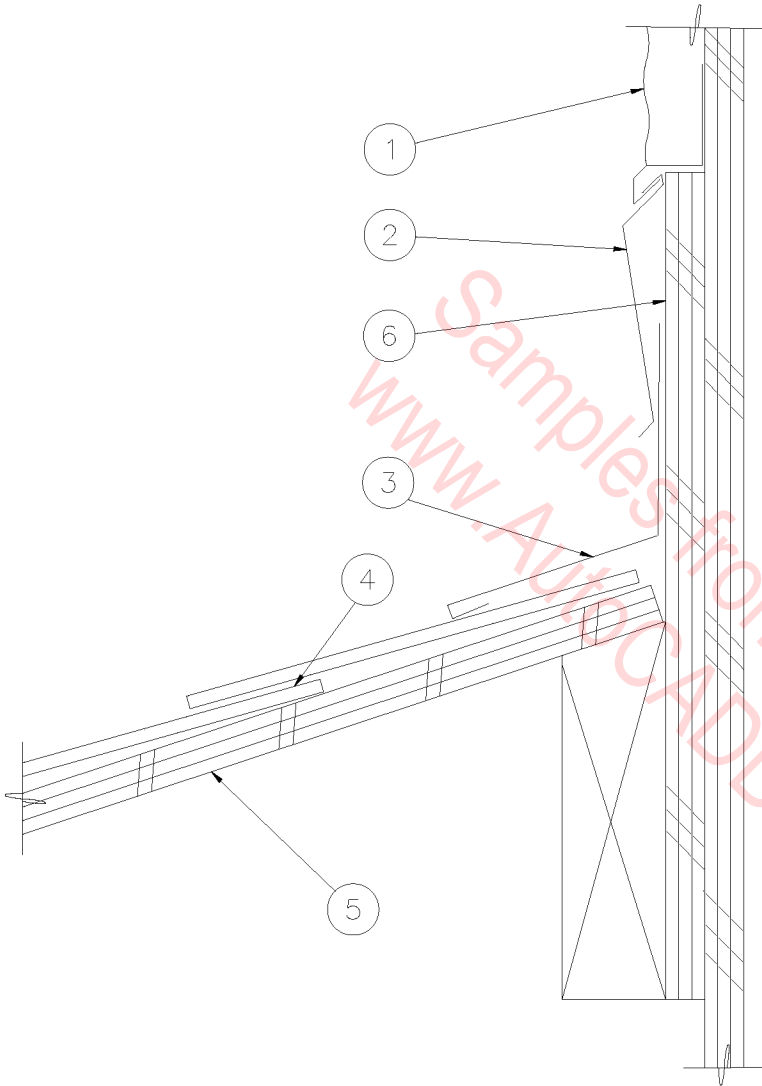
07C-1004

1. ASPHALT SHINGLES WITH WATERPROOF UNDERLAYMENT PER MANUFACTURER'S SPECIFICATIONS.
2. MASONRY WALL.
3. 24 GA. GALV. SHEET METAL DRIP EDGE.
4. SEALANT.
5. 1X6 TRIM.
6. 2 x 10 WOOD FASCIA.

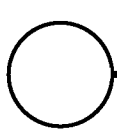


○ ROOF OVERHANG  
3" = 1'-0"

07C-1005



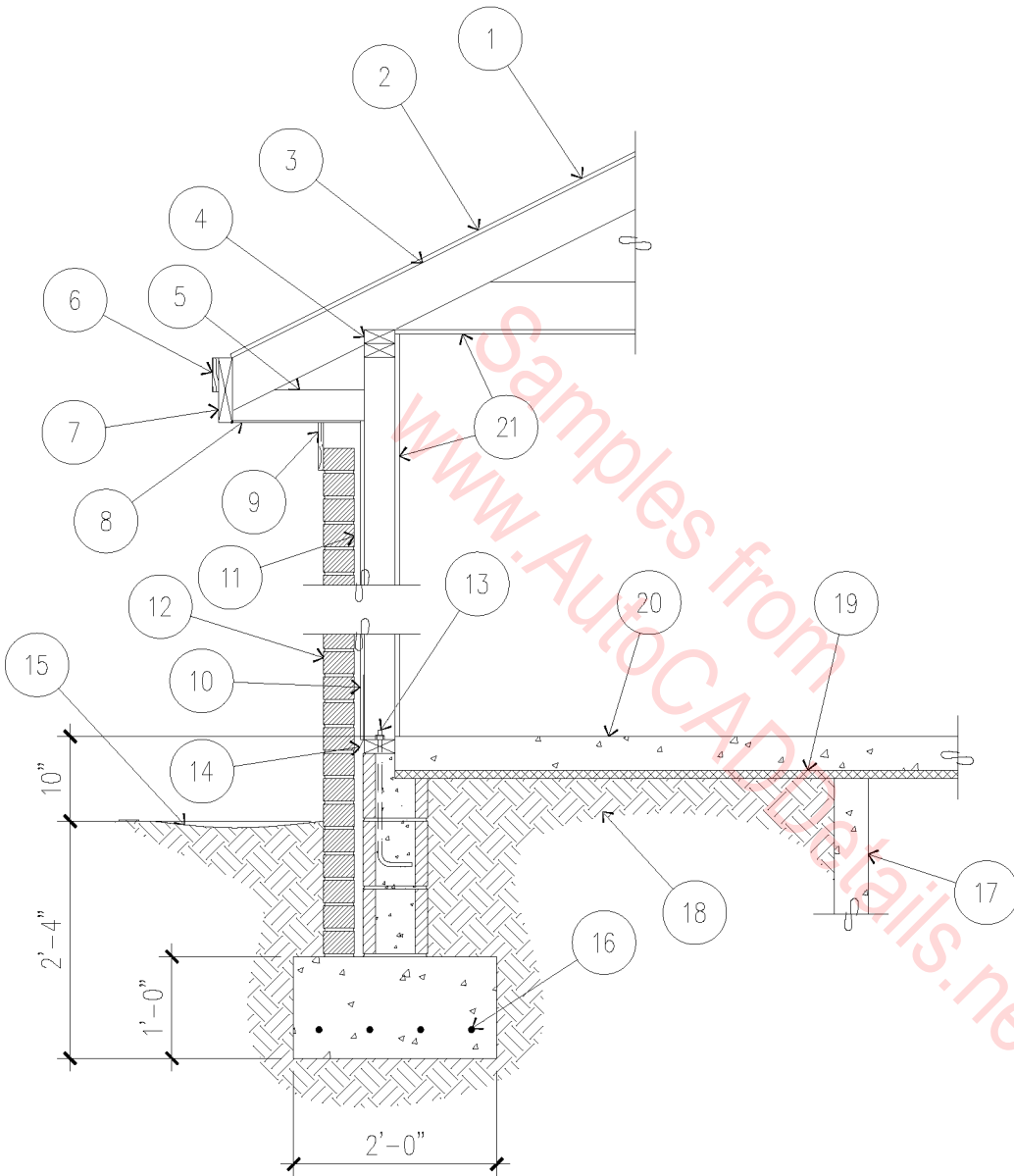
1. CEMENT PLASTER ON METAL LATH & PLYWOOD SHEATHING OVER 2X WOOD FRAMING.
2. METAL COUNTERFLASHING.
3. METAL FLASHING.
4. ASPHALT SHINGLES WITH WATERPROOF UNDERLAYMENT PER MANUFACTURER'S SPECIFICATIONS.
5. PLYWOOD ROOF DECK.
6. PLYWOOD BLOCKING.



## FLASHING @ ROOF EDGE

3" = 1'-0"

07C-1006

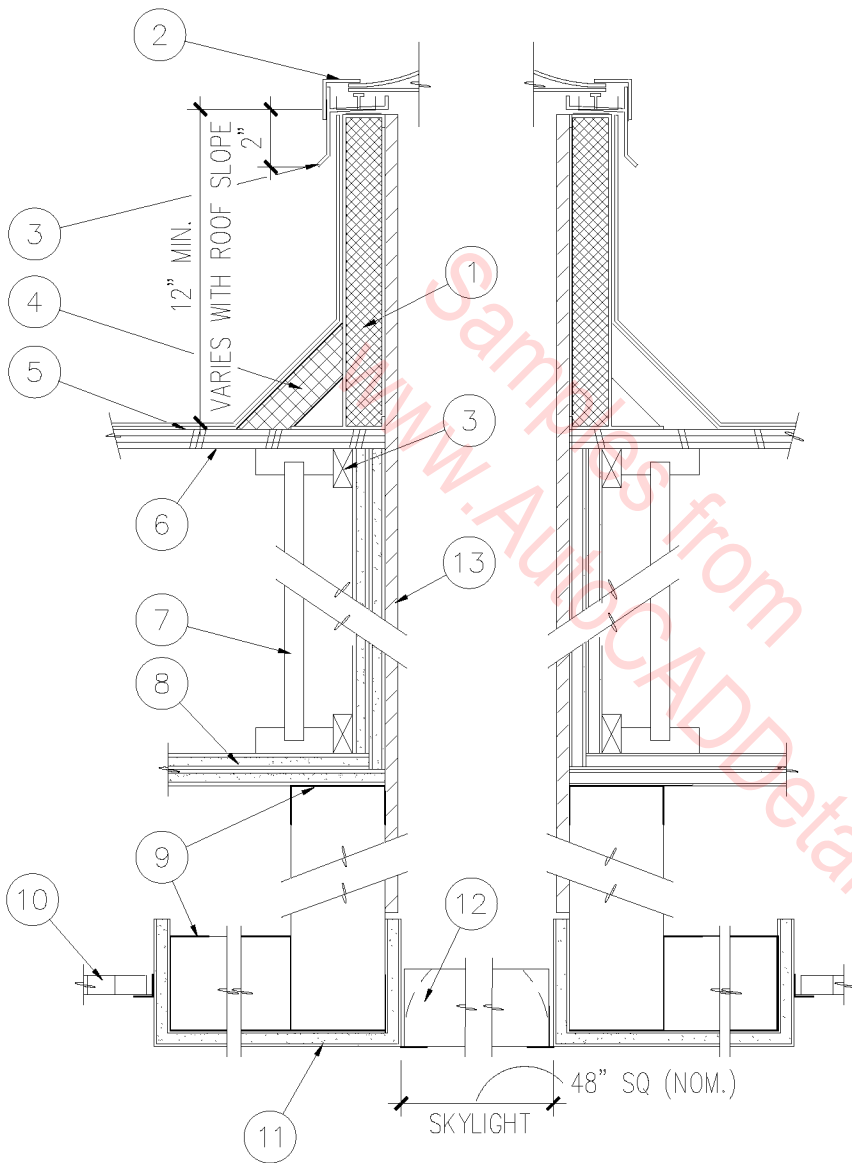


1. 15# FELT UNDERLAYMENT UNDER COMPOSITION SHINGLES.
2. ROOF DECKING.
3. 2 X RAFTERS.
4. DOUBLE TOP PLATE.
5. 2 X 4 RETURN.
6. 3/4" FASCIA.
7. 2 X FASCIA.
8. 1/4" PLYWOOD SOFFIT.
9. 1 X FREIZE BOARD.
10. INSULATION BOARD.
11. AIR SPACE.
12. BRICK WITH BRICK TIES PER MANUFACTURER'S SPECIFICATIONS.
13. 1/2" X 15" ANCHOR BOLTS, 6'-0" O.C., 12" FROM CORNERS.
14. FLASHING WITH WEEP HOLES @ 48" O.C.
15. FINISHED GRADE.
16. (4) #4 REBARS ALL IN SOLID FOOTING 3" OFF BOTTOM.
17. TYPICAL 4" CONCRETE POST, 4'-0" O.C. UNDER LOAD-BEARING WALLS.
18. COMPACTED EARTH FILL.
19. 1" STYROFOAM WITH 6 MIL VAPOR BARRIER.
20. 4" CONCRETE SLAB, 3,000 P.S.I. WITH 6" X 6" 10 GA. X 10 GA. WELDED WIRE FABRIC.
21. 1/2" GYPSUM BOARD.

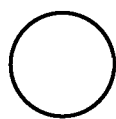
# EXTERIOR WALL SECTION

1/2" = 1'-0"

07C-1007



1. PREFABRICATED EQUIPMENT ROOF CURB.
2. SKYLIGHT.
3. BLOCKING AS REQUIRED.
4. 4" CANT.
5. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING SYSTEM.
6. PLYWOOD DECK.
7. WOOD JOIST.
8. ONE HR. RATED ROOF SYSTEM. TWO LAYERS OF 5/8" TYPE 'X' GYP. BD.
9. 3-5/8" METAL STUDS AT 16" O.C.
10. ACOUSTICAL CEILING PANEL.
11. GYP. BD. SOFFIT.
12. PARABOLIC LENS TO MATCH FLUORESCENT FIXTURES.
13. 1/2" 'CELOTEX' INSULATION BOARD WITH ALUMINUM FOIL BOTH SIDES CLEAR SIDE FACING OUT. TAPE ALL CORNERS WITH FOIL TAPE.

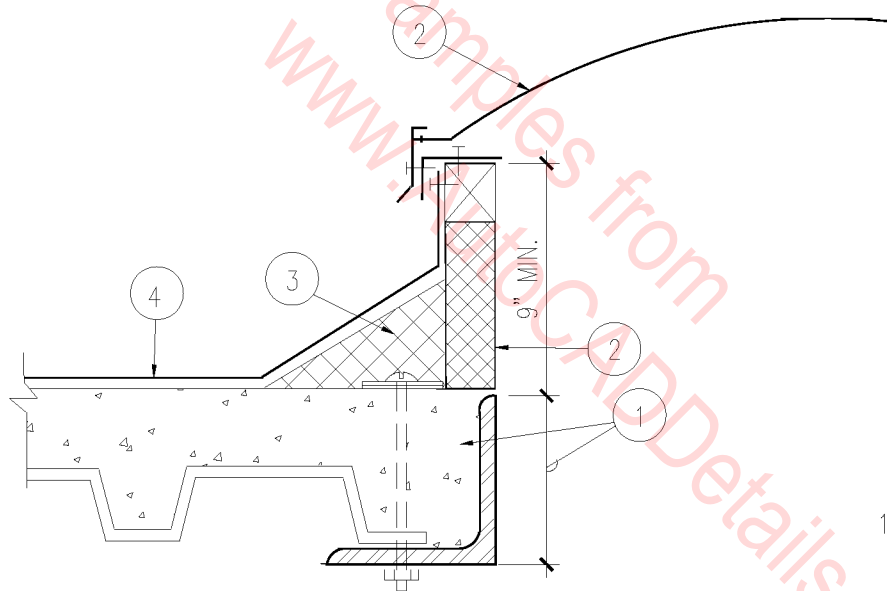


# SKYLIGHT WELL

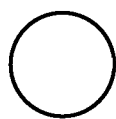
SCALE: 1 1/2" = 1'-0"

07C-7001





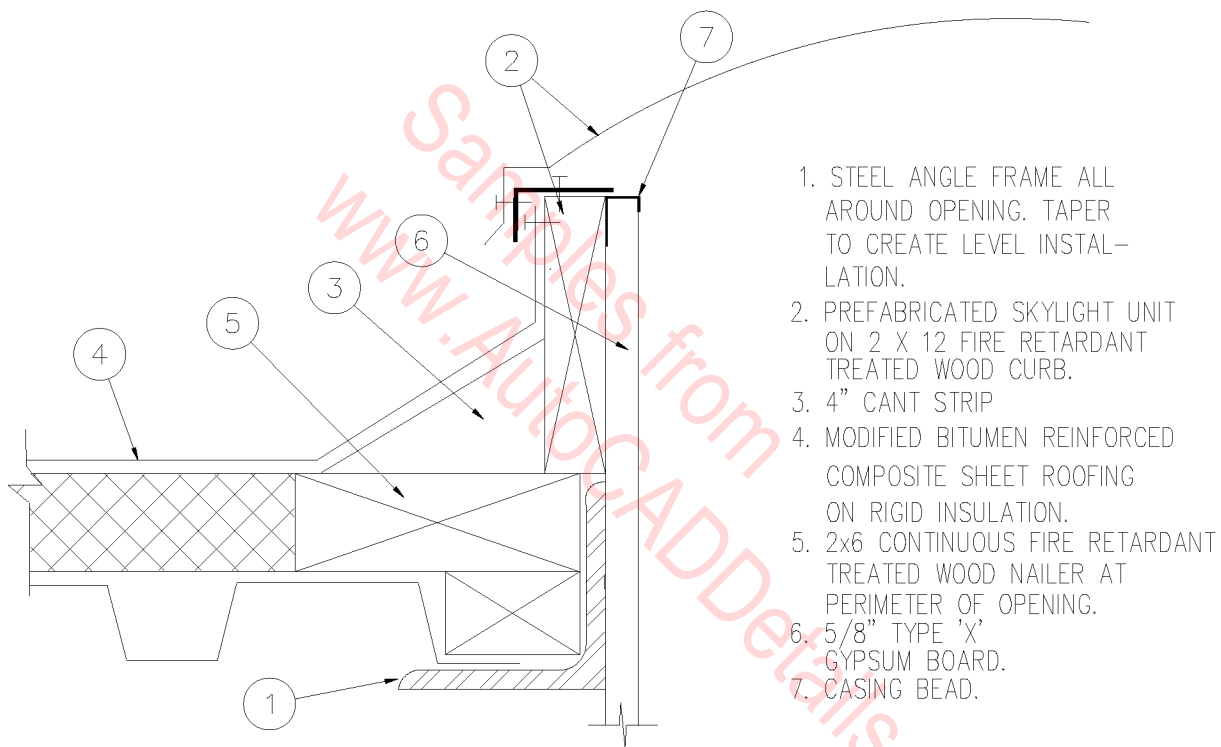
1. ANGLE IRON FRAME ALL AROUND OPENING. TAPER TO CREATE LEVEL INSTALLATION.
2. PREFABRICATED SKYLIGHT UNIT BOLTED TO FRAME @ 12" O.C. ALL AROUND.
3. 4" CANT STRIP.
4. MEMBRANE ROOFING OVER LIGHTWEIGHT FILL OVER 1 1/2" METAL DECKING.



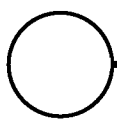
## SKYLIGHT CURB

SCALE: 1 1/2" = 1'-0"

07C-7002



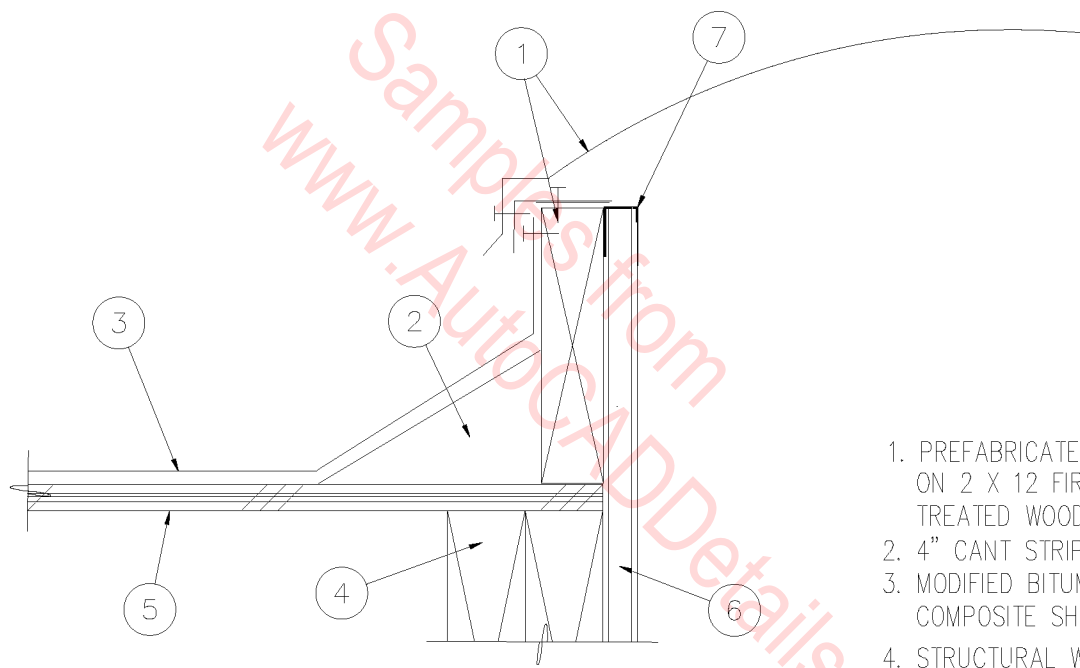
1. STEEL ANGLE FRAME ALL AROUND OPENING. TAPER TO CREATE LEVEL INSTALLATION.
2. PREFABRICATED SKYLIGHT UNIT ON 2 X 12 FIRE RETARDANT TREATED WOOD CURB.
3. 4" CANT STRIP
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING ON RIGID INSULATION.
5. 2x6 CONTINUOUS FIRE RETARDANT TREATED WOOD NAILER AT PERIMETER OF OPENING.
6. 5/8" TYPE 'X' GYPSUM BOARD.
7. CASING BEAD.



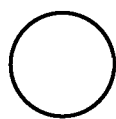
## SKYLIGHT AT METAL DECK

SCALE: 1" = 1'-0"

07C-7003



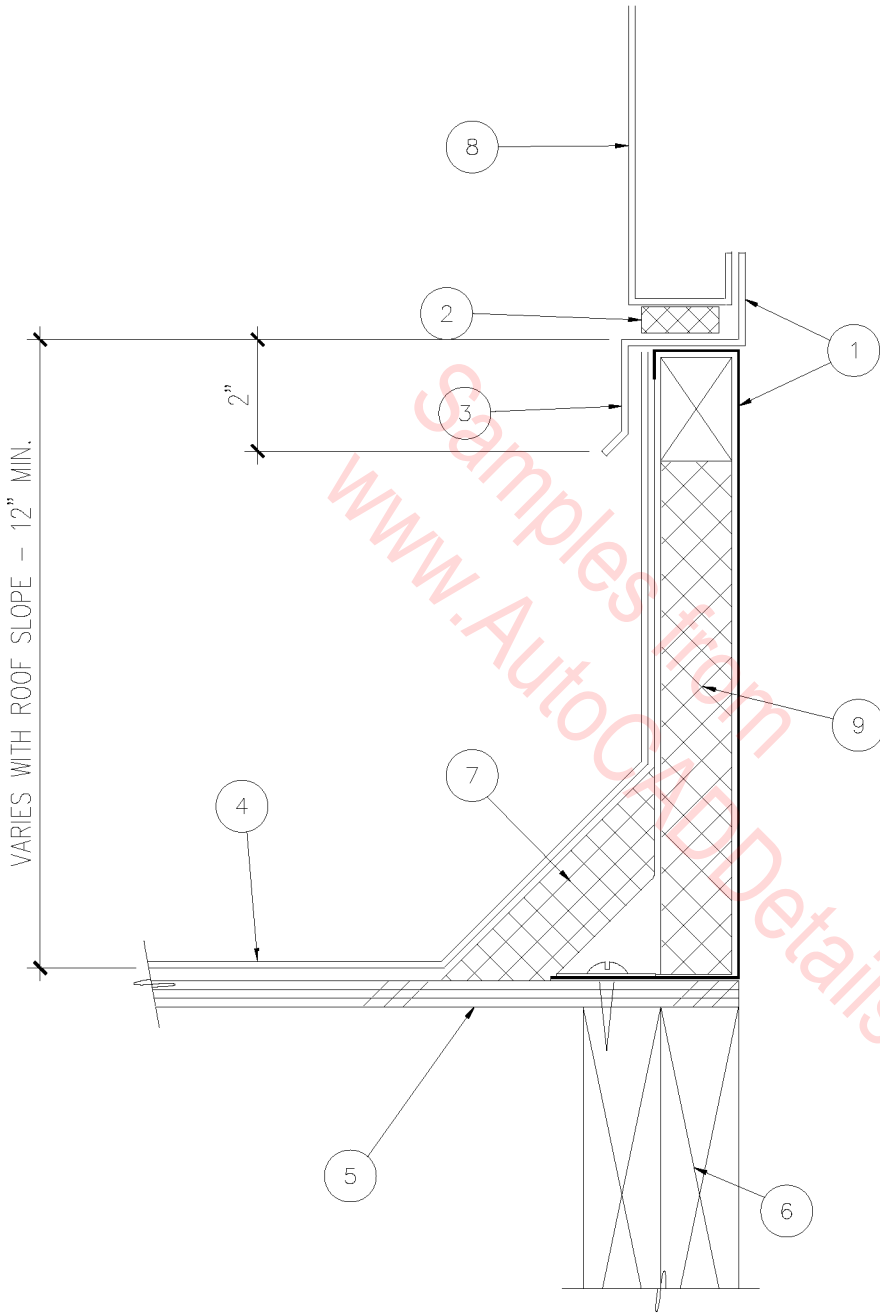
1. PREFABRICATED SKYLIGHT UNIT ON 2 X 12 FIRE RETARDANT TREATED WOOD CURB.
2. 4" CANT STRIP.
3. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING
4. STRUCTURAL WOOD HEADERS.
5. STRUCTURAL PLYWOOD SHEATHING.
6. 5/8" TYPE 'X' GYPSUM BOARD.
7. CASING BEAD.



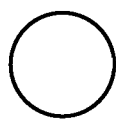
## SKYLIGHT AT WOOD JOIST

SCALE: 1" = 1'-0"

07C-7004



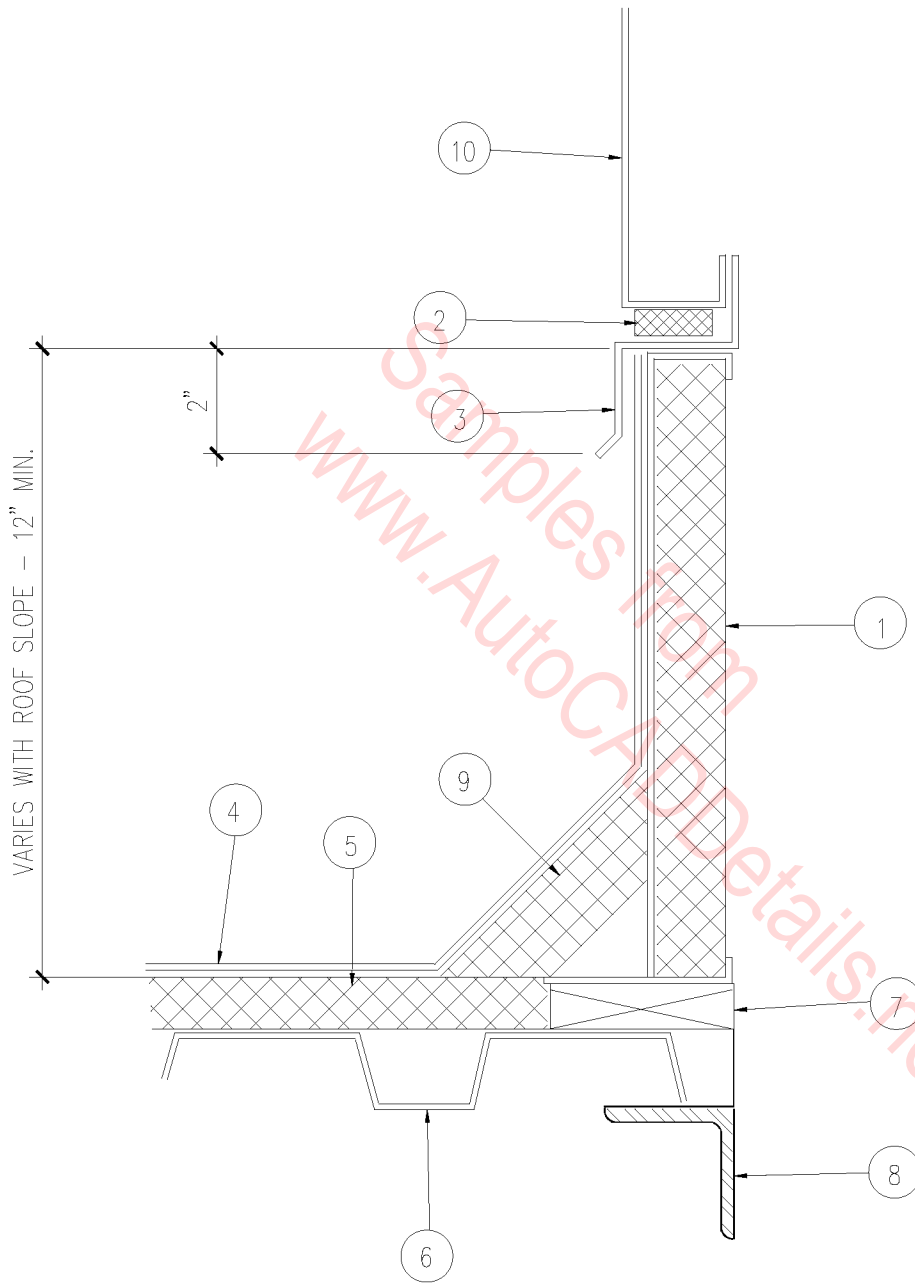
1. PREFABRICATED EQUIPMENT ROOF CURB.
2. NEOPRENE GASKET CONTINUOUS AT TOP OF CURB.
3. 20 GA. METAL FLASHING.
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
5. PLYWOOD DECK.
6. 2X FRAMING.
7. 4" CANT STRIP.
8. MECHANICAL EQUIPMENT.
9. RIGID INSULATION.



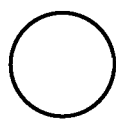
# EQUIPMENT CURB

SCALE: 1" = 1'-0"

07C-7005



1. PREFABRICATED EQUIPMENT ROOF CURB.
2. NEOPRENE GASKET CONTINUOUS AT TOP OF CURB.
3. 20 GA GI FLASHING.
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET.
5. RIGID INSULATION.
6. METAL DECK.
7. 1 X 4 FIRE-RETARDANT TREATED WOOD NAILER.
8. STEEL ANGLE SUPPORT FOR CURB.
9. 4" CANT.
10. MECHANICAL EQUIPMENT.

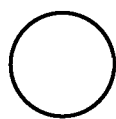
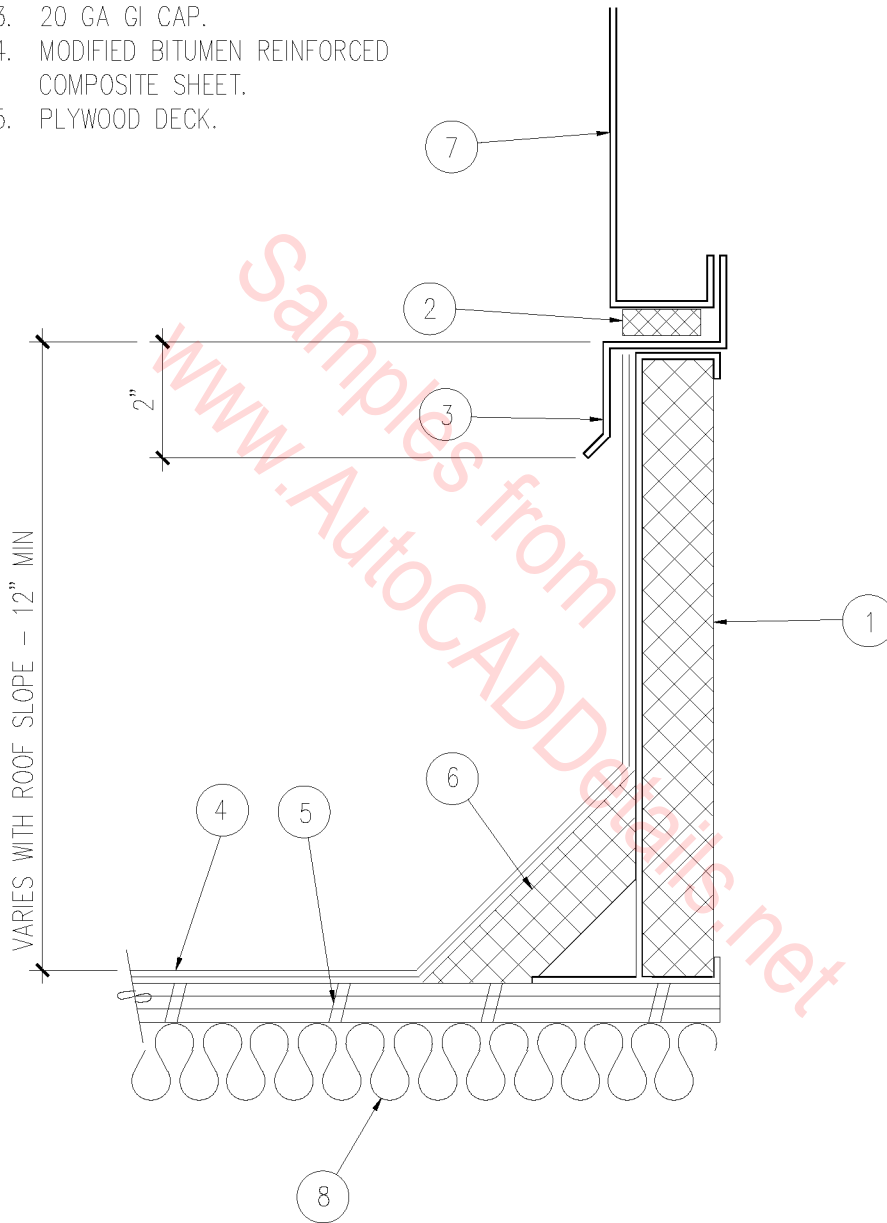


# EQUIPMENT CURB

SCALE: 3" = 1'-0"

07C-7006

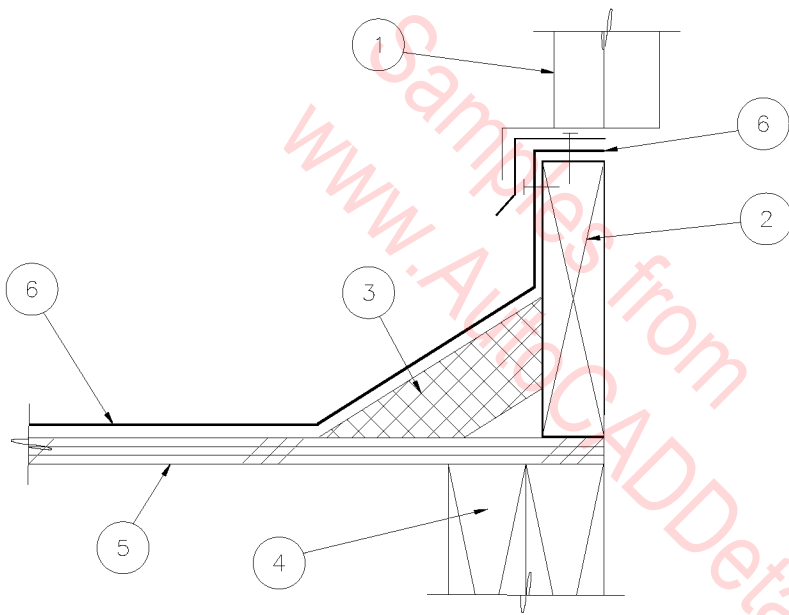
1. PREFABRICATED EQUIPMENT ROOF CURB.
2. NEOPRENE GASKET CONTINUOUS AT TOP OF CURB.
3. 20 GA GI CAP.
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET.
5. PLYWOOD DECK.
6. 4" CANT STRIP.
7. MECHANICAL EQUIPMENT.
8. BATT INSULATION.



# EQUIPMENT CURB

SCALE: 3" = 1'-0"

07C-7007

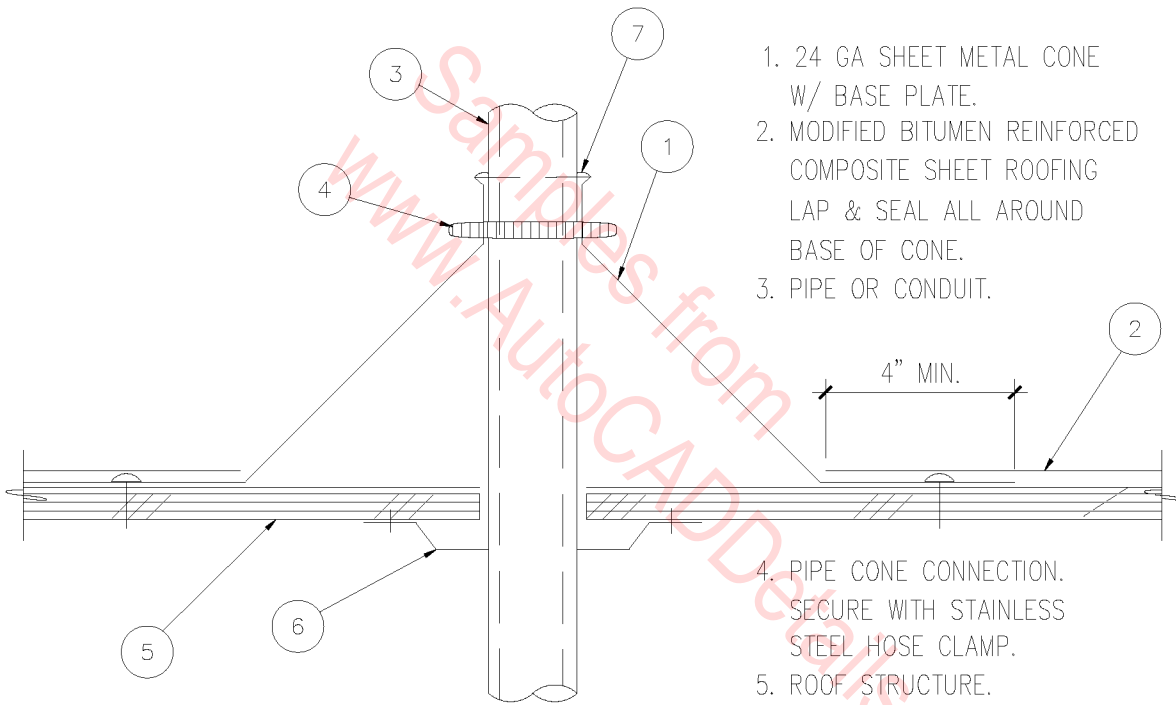


1. EXHAUST FAN OR RELIEF VENT.
2. 2 X 8 FIRE RETARDANT WOOD CURB.
3. CANT STRIP.
4. 2X FRAMING.
5. PLYWOOD DECK.
6. MODIFIED BITUMEN COMPOSITE SHEET ROOFING SYSTEM, CONTINUOUS OVER TOP OF CURB.

# MECHANICAL EQUIPMENT CURB

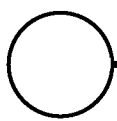
1" = 1'-0"

07C-7008



1. 24 GA SHEET METAL CONE W/ BASE PLATE.
2. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING LAP & SEAL ALL AROUND BASE OF CONE.
3. PIPE OR CONDUIT.

4. PIPE CONE CONNECTION. SECURE WITH STAINLESS STEEL HOSE CLAMP.
5. ROOF STRUCTURE.
6. DECK CLAMP.
7. SEALANT ALL AROUND.

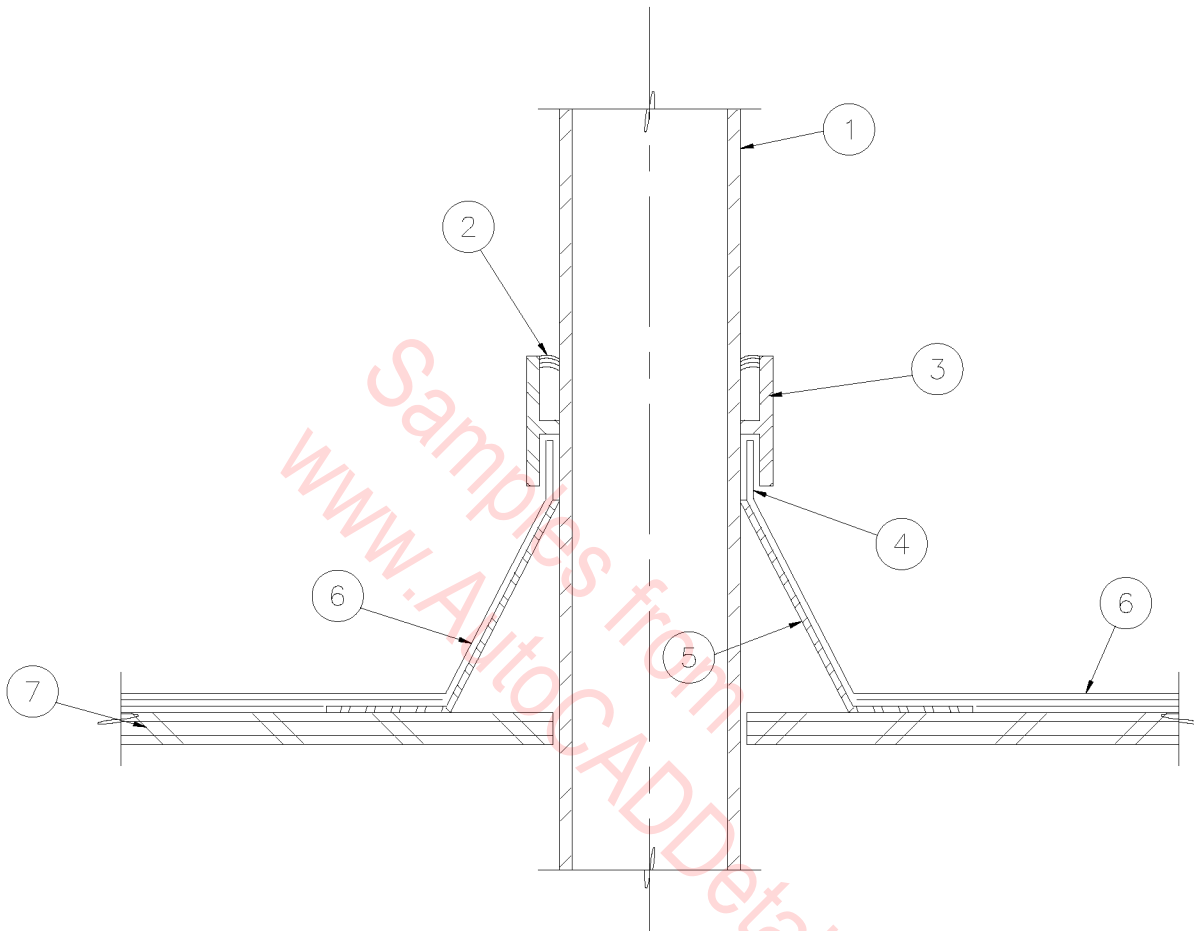


# PIPE THRU ROOF

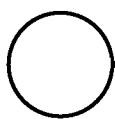
SCALE: 1" = 1'-0"

07C-7009





1. PIPE OR CONDUIT.
2. SEALANT.
3. COUNTERFLASHING SLEEVE.
4. WATERPROOF COMPOUND.
5. STEEL REINFORCED BOOT.
6. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING FLASHING SYSTEM.
7. PLYWOOD DECK.



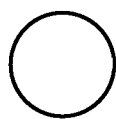
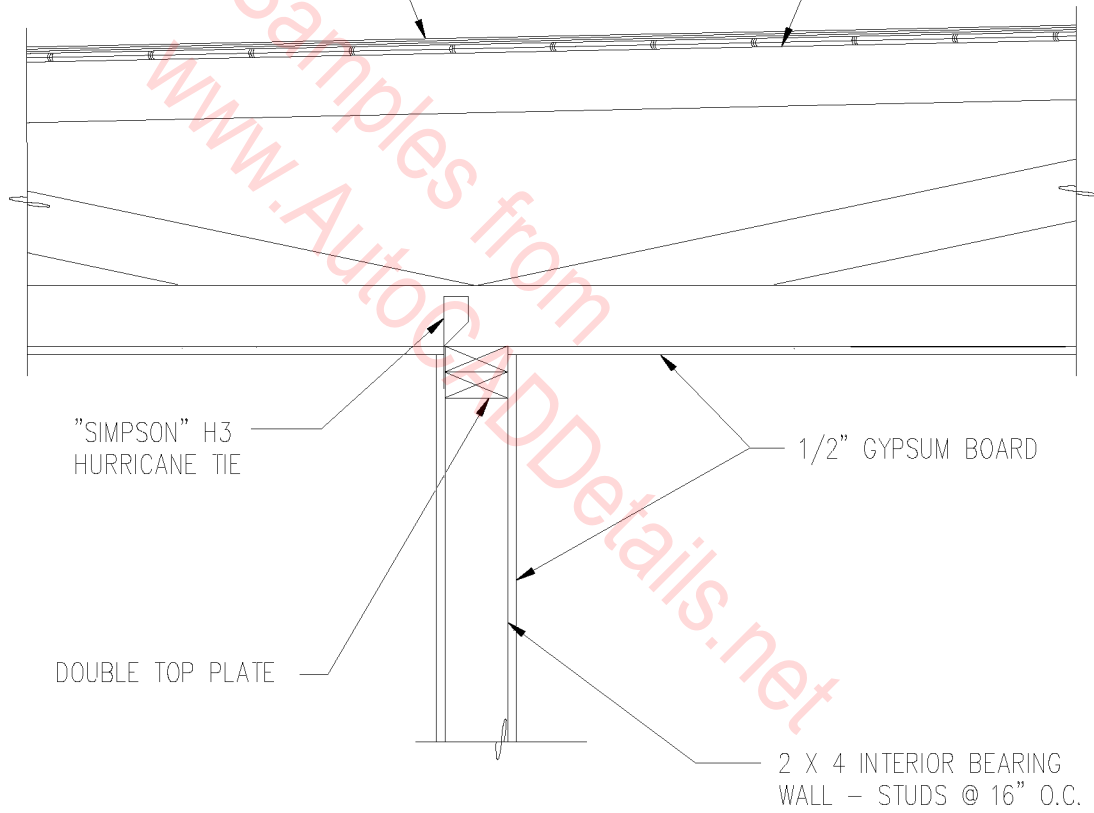
## PIPE/CONDUIT FLASHING

3" = 1'-0"

07C-7010

3 PLY BUILT UP ROOF SYSTEM  
(GAF # N-B-3-C, ICBO #R-1306)  
OVER 1/2" PLYWOOD ROOF DECK  
SEE FRAMING PLAN FOR NAILING  
SCHEDULE

PREFABRICATED ROOF TRUSS  
SEE FRAMING PLAN AND  
MANUFACTURER'S SHOP  
DRAWINGS

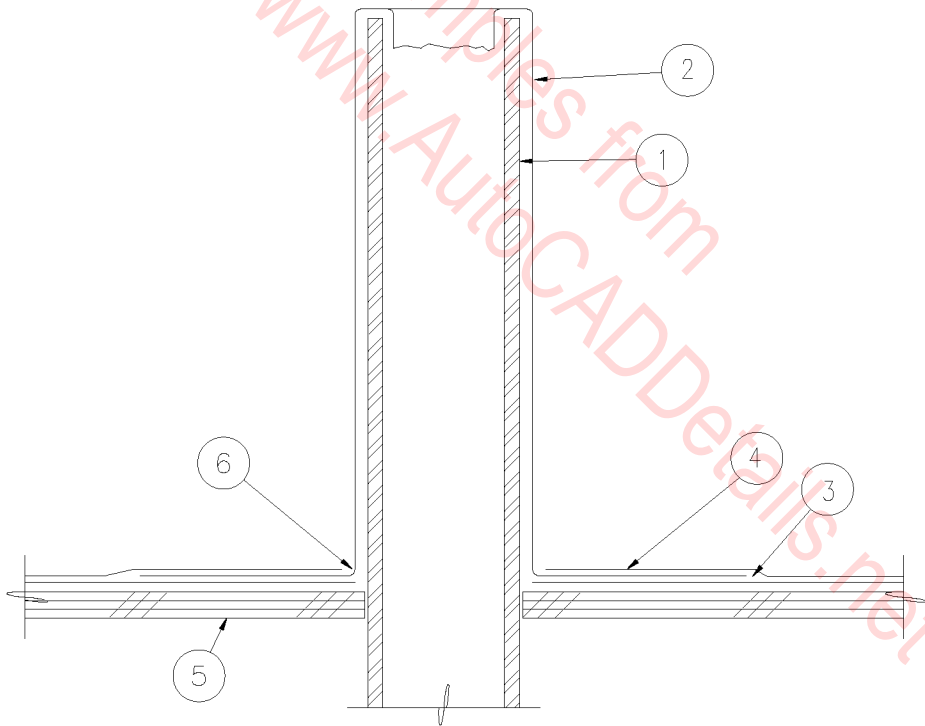


## SEATED TRUSSES

1" = 1'-0"

07C-7011

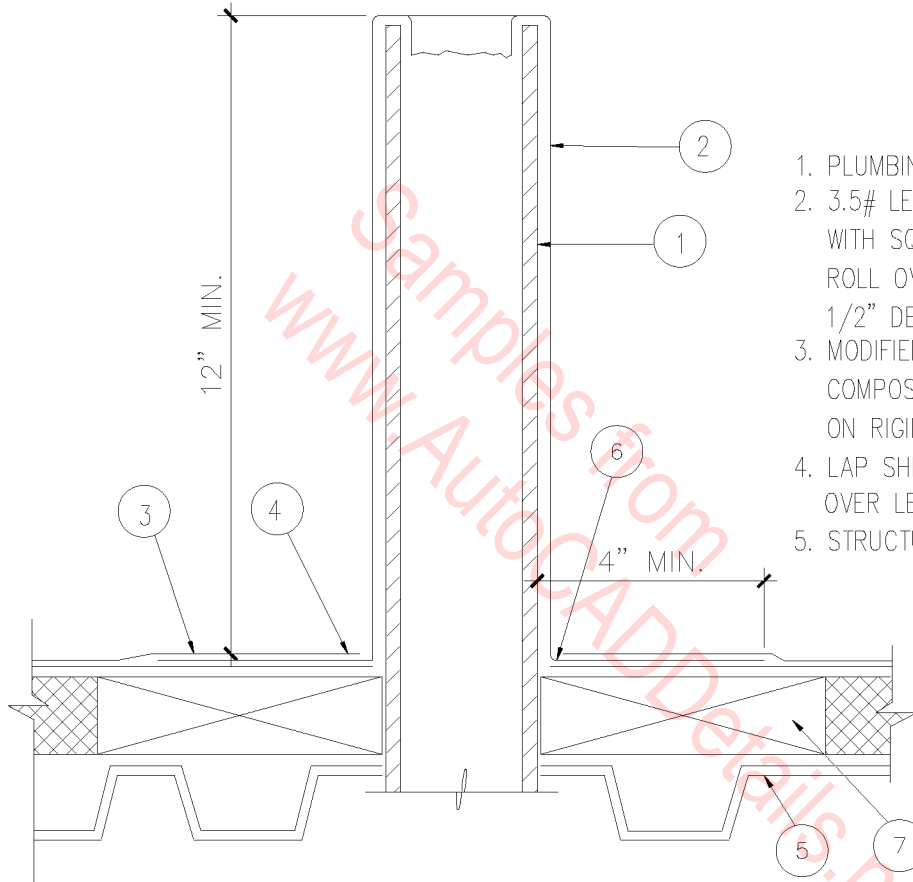
1. PLUMBING VENT PIPE.
2. 3.5# LEAD FLASHING SLEEVE WITH SQ. BASE PLATE. ROLL OVER INTO VENT PIPE 1/2" DEEP.
3. MODIFIED BITUMEN REINFORCED SHEET ROOFING ON PLYWOOD DECK.
4. LAP SHEET ROOFING OVER LEAD BASE PLATE.
5. ROOF DECK.
6. SEALANT ALL AROUND.



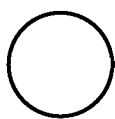
# ○ VENT PIPE THRU ROOF

SCALE: 1" = 1'-0"

07C-7012



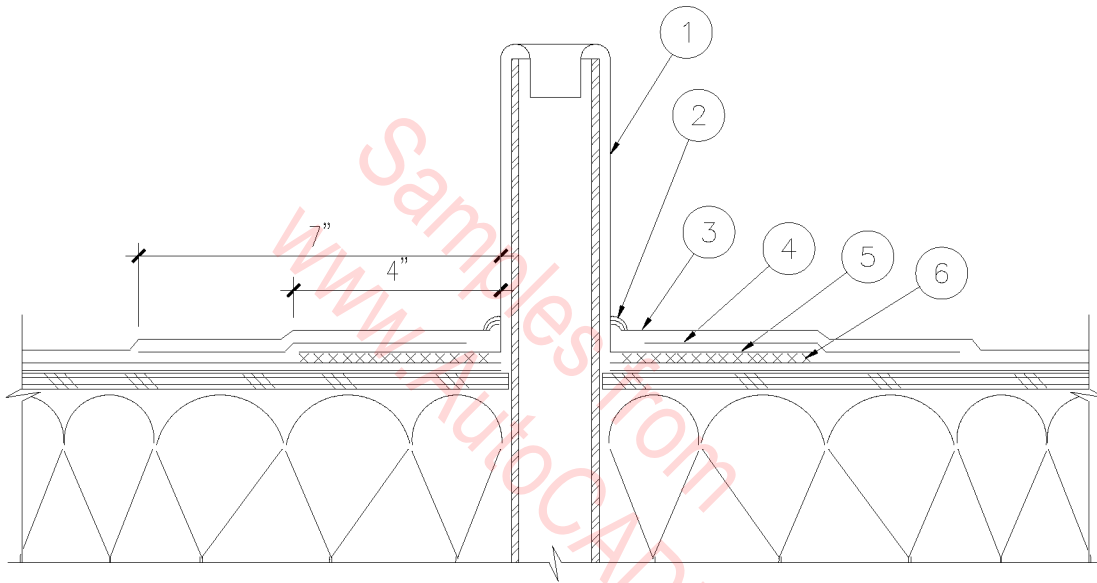
1. PLUMBING VENT PIPE.
2. 3.5# LEAD FLASHING SLEEVE WITH SQ. BASE PLATE. ROLL OVER INTO VENT PIPE 1/2" DEEP.
3. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING ON RIGID INSULATION.
4. LAP SHEET ROOFING OVER LEAD BASE PLATE.
5. STRUCTURAL METAL DECK.
6. SEALANT ALL AROUND.
7. 2 x 6 NAILER AT PERIMETER.



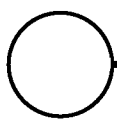
# VENT PIPE THRU ROOF

SCALE: 3" = 1'-0"

07C-7013



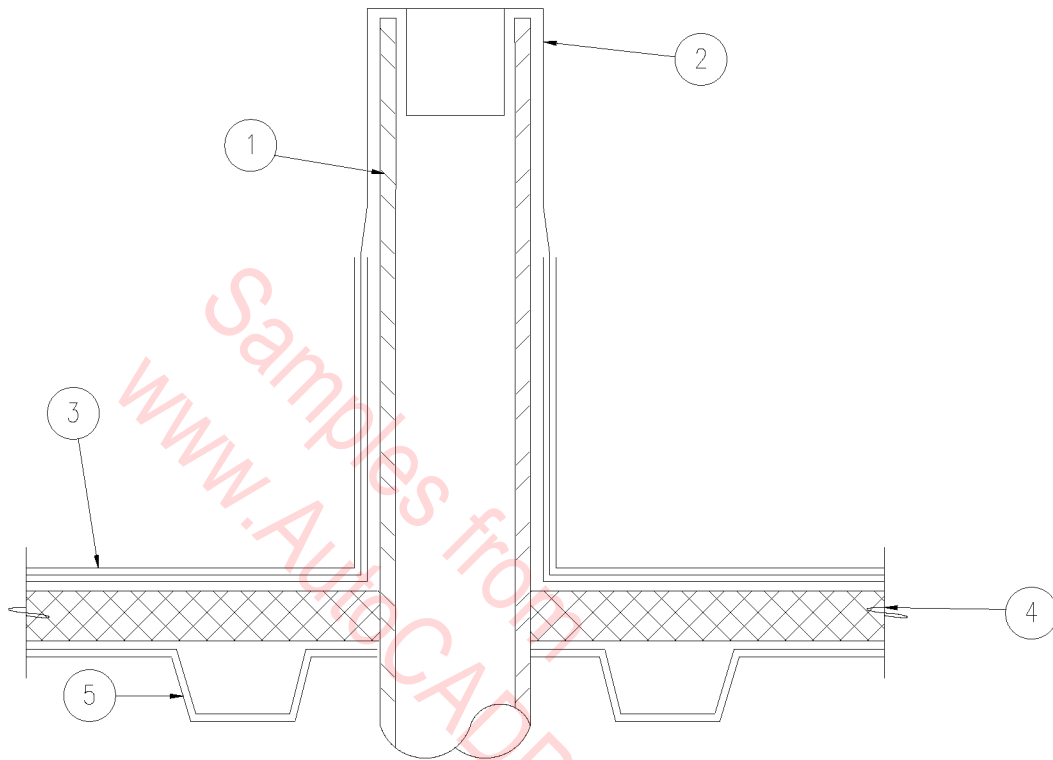
1. LEAD FLASHING – ROLL 1" INTO PIPE.
2. SEALANT
3. MODIFIED BITUMEN CAP SHEET
4. MODIFIED BITUMEN STRIPPING PLY
5. LEAD FLANGE – PRIME AND SET IN MASTIC.
6. MODIFIED BITUMEN BASE PLY



## VENT STACK

SCALE: 3" = 1'-0"

07C-7014

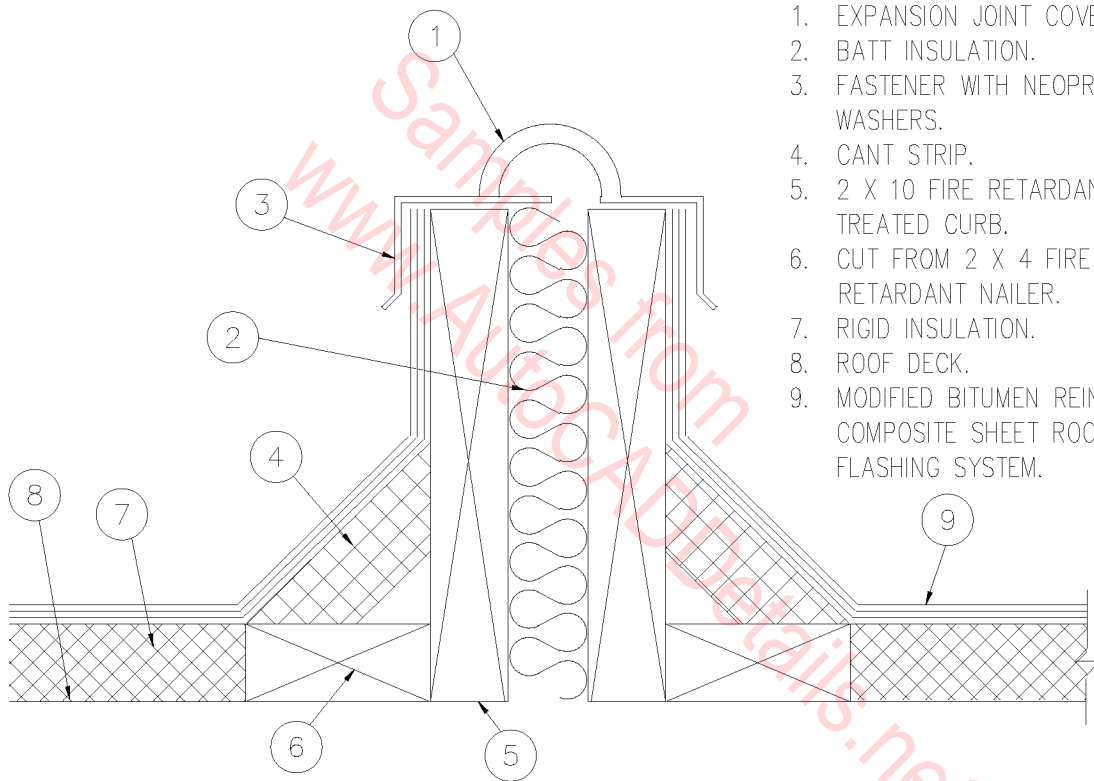


1. PLUMBING VENT.
2. LEAD FLASHING.
3. MODIFIED BITUMEN REINFORCED  
COMPOSITE SHEET.
4. RIGID INSULATION.
5. METAL DECK.

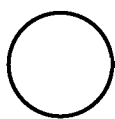
○ VENT FLASHING

3" = 1'-0"

07C-7015



1. EXPANSION JOINT COVER.
2. BATT INSULATION.
3. FASTENER WITH NEOPRENE WASHERS.
4. CANT STRIP.
5. 2 X 10 FIRE RETARDANT TREATED CURB.
6. CUT FROM 2 X 4 FIRE RETARDANT NAILER.
7. RIGID INSULATION.
8. ROOF DECK.
9. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING FLASHING SYSTEM.

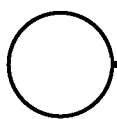
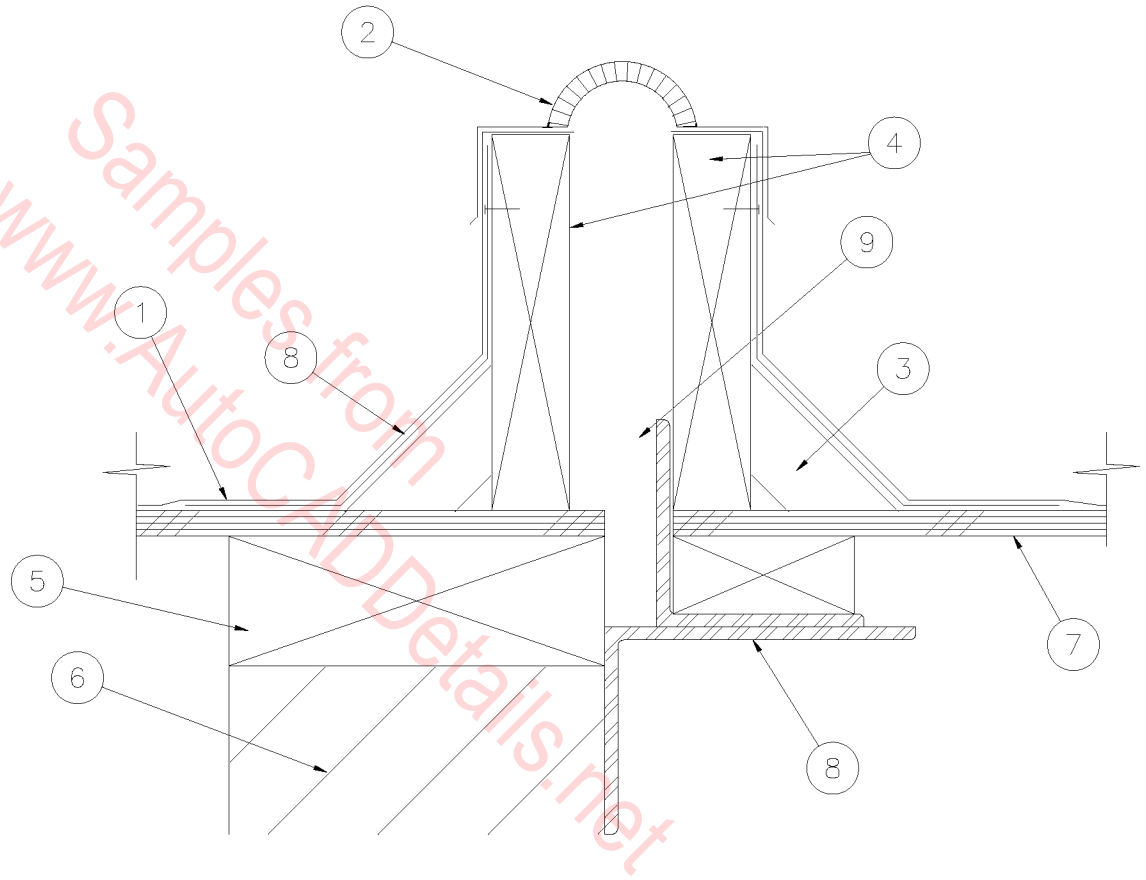


# EXP. JOINT AT ROOF

SCALE: 3" = 1'-0"

07C-7016

1. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING OVER RIGID INSULATION.
2. EXPANSION JOINT COVER COAT ALL NEOPRENE MATERIAL WITH WHITE ELASTOMERIC COATING AFTER INSTALLATION.
3. 4" CANT STRIP.
4. 2 x 8 FIRE RETARDANT TREATED WOOD CURB.
5. STRUCTURAL NAILER.
6. MASONRY WALL.
7. PLYWOOD SHEATHING.
8. FLASHING SYSTEM BY ROOFING MANUFACTURER.
9. STRUCTURAL SLIP JOINT.

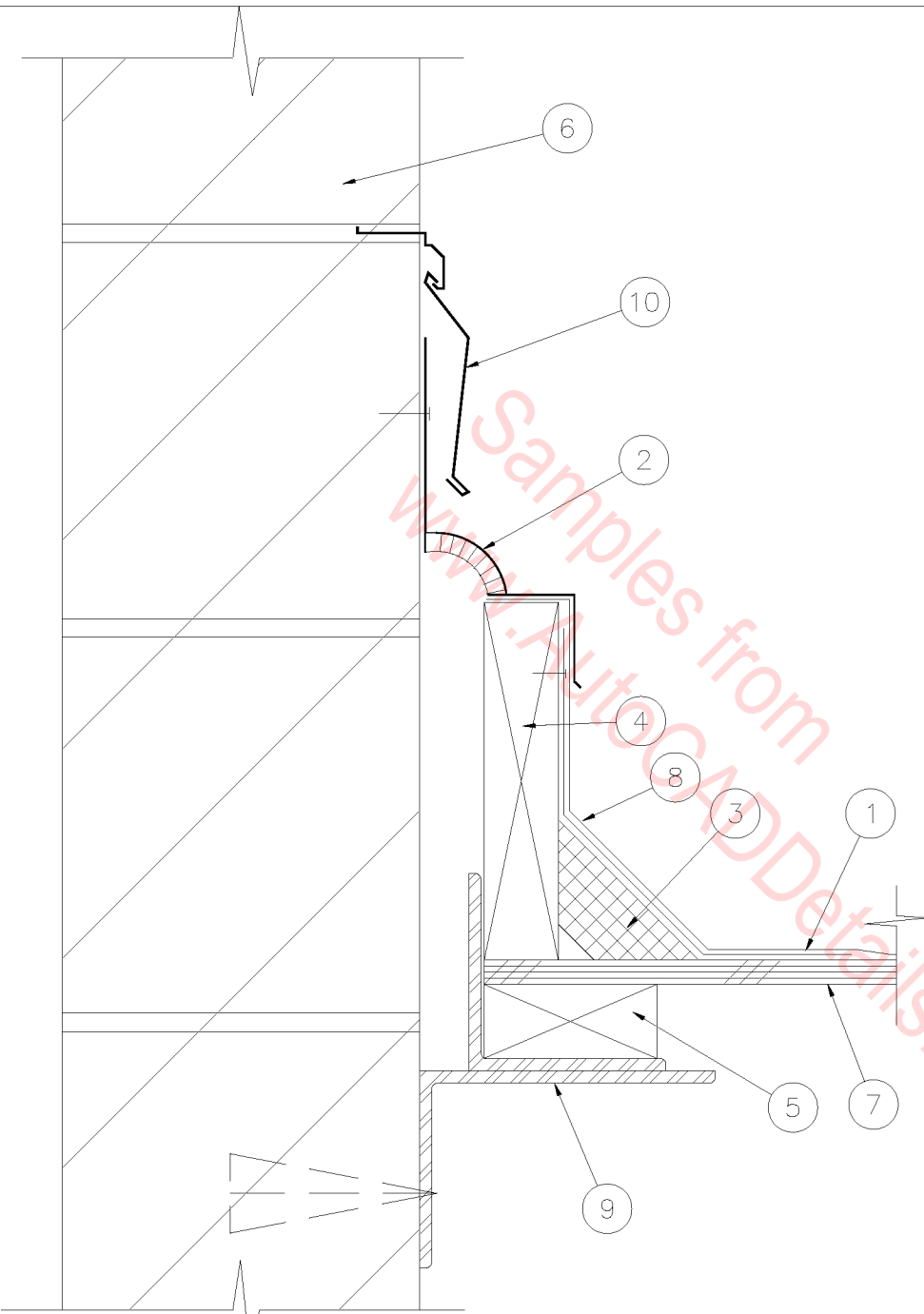


## EXPANSION JOINT COVER

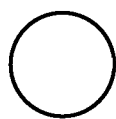
SCALE: 1" = 1'-0"

07C-7017





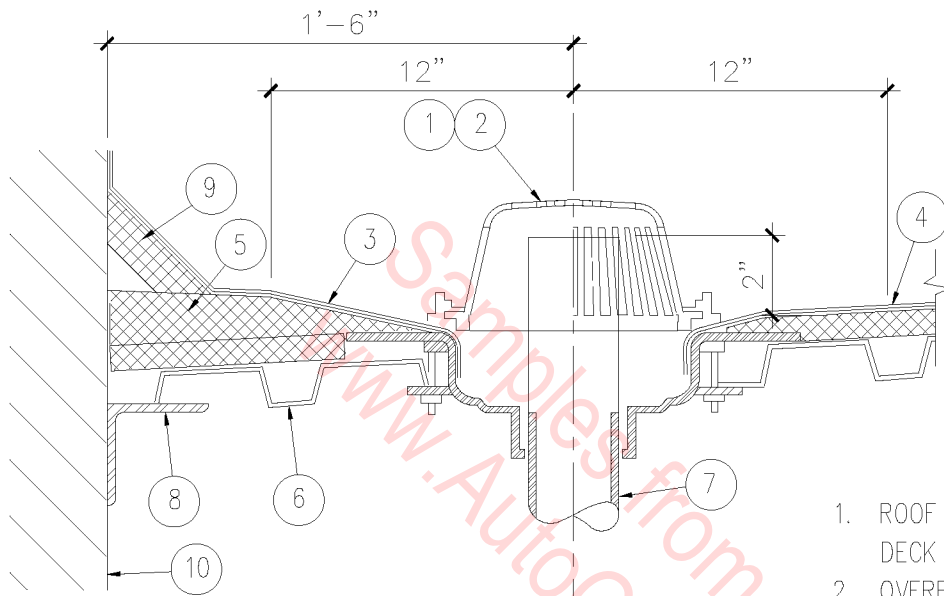
1. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
2. EXPANSION JOINT COVER, COAT ALL NEOPRENE MATERIAL WITH WHITE ELASTOMERIC COATING AFTER INSTALLATION.
3. 4" CANT STRIP.
4. 2 x 8 FIRE RETARDANT TREATED WOOD CURB.
5. STRUCTURAL NAILER.
6. MASONRY WALL.
7. PLYWOOD ROOF DECK.
8. FLASHING SYSTEM BY ROOFING MANUFACTURER.
9. STRUCTURAL SLIP JOINT.
10. REGLET AND COUNTERFLASHING.



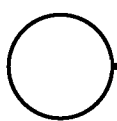
## EXPANSION JOINT COVER

SCALE: 1" = 1'-0"

07C-7018



1. ROOF DRAIN WITH DOUBLE DECK CLAMP.
2. OVERFLOW DRAIN WITH DOUBLE DECK CLAMP AND 2" HIGH STANDPIPE.
3. LEAD FLASHING 24" SQUARE.
4. MODIFIED BITUMEN REINFORCED SHEET ROOFING ON RIGID INSULATION.
5. RIGID INSULATION CRICKETS WHERE REQUIRED, SEE ROOF PLAN, MIN 1/4"/LF AT CRICKET VALLEY.
6. METAL DECK.
7. ROOF DRAIN PIPE.
8. STEEL ANGLE LEDGER.
9. 4" CANT STRIP.
10. FACE OF MASONRY WALL.

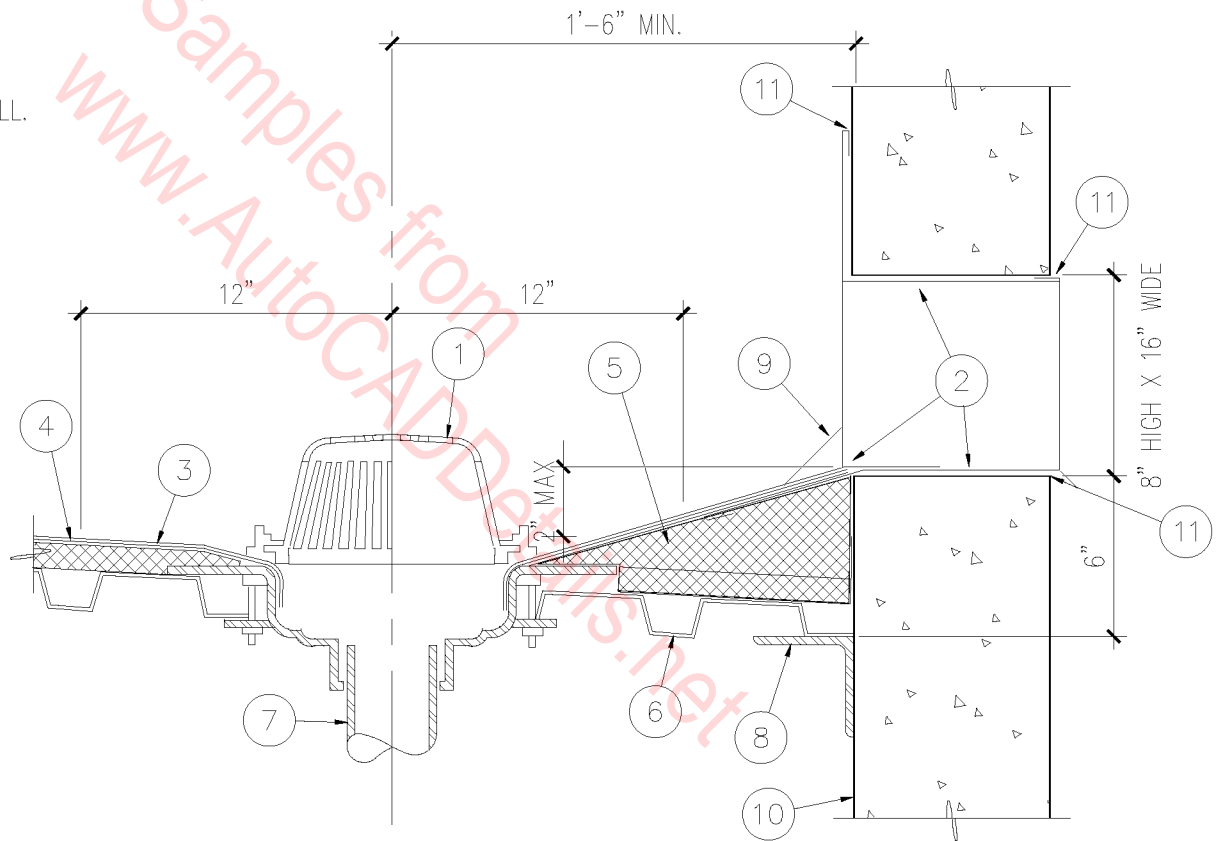


## ROOF & OVERFLOW DRAIN

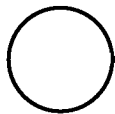
SCALE: 1 1/2" = 1'-0"

07C-7019

1. ROOF DRAIN WITH DOUBLE DECK CLAMP.
2. 20 GA. OVERFLOW SCUPPER AT PARAPET WALL, 2" MAX. ABOVE ROOF DRAIN INVERT.
3. LEAD FLASHING 24" SQUARE.
4. MODIFIED BITUMEN REINFORCED SHEET ROOFING ON RIGID INSULATION.
5. RIGID INSULATION CRICKETS WHERE REQUIRED, SEE ROOF PLAN, MIN. 1/4" / LF AT CRICKET VALLEY.
6. METAL DECK.
7. ROOF DRAIN PIPE.
8. STEEL ANGLE LEDGER.
9. 4" CANT.
10. FACE OF CONCRETE WALL.
11. SEALANT.



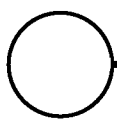
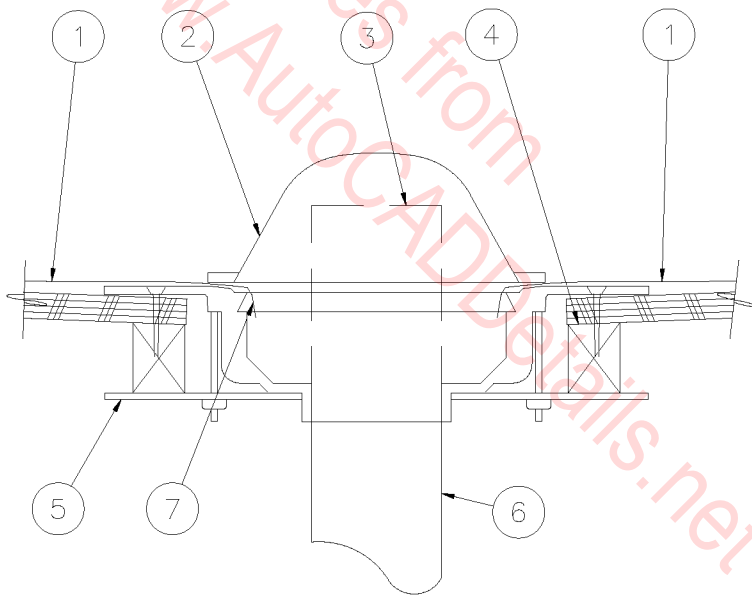
## ROOF DRAIN AND OVERFLOW SCUPPER



1 1/2" = 1'-0"

07C-7020

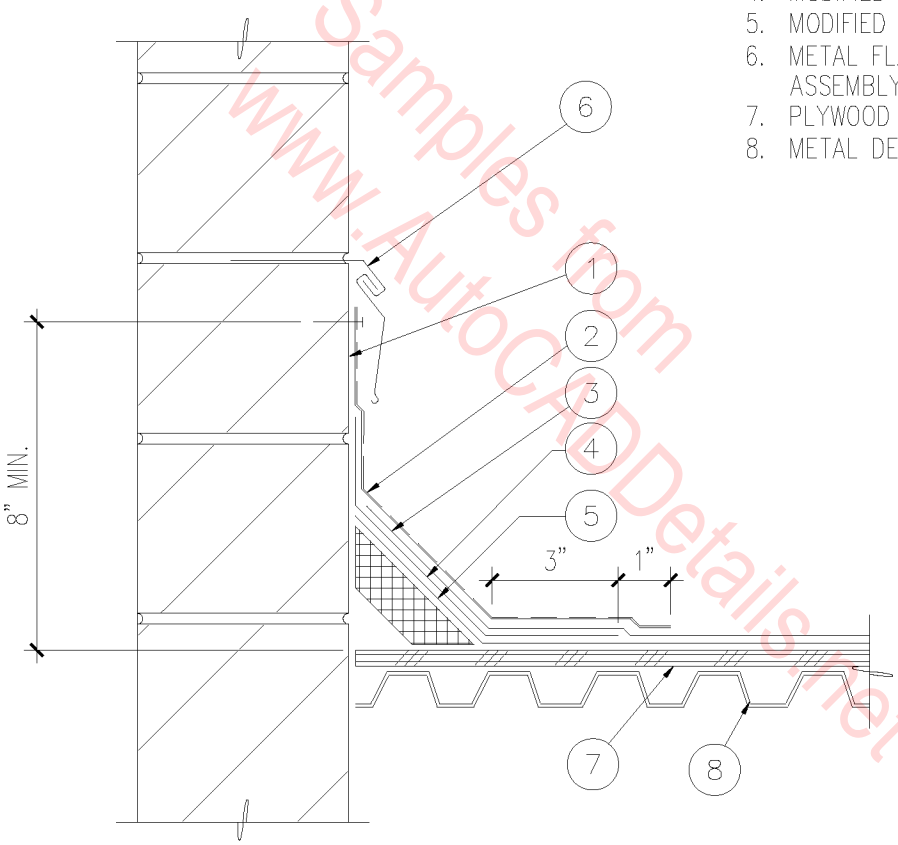
1. MODIFIED BITUMEN COMPOSITE SHEET ROOFING SYSTEM.
2. ROOF DRAIN.
3. OVERFLOW PIPE AS OCCURS.
4. WOOD BLOCKING.
5. UNDERDECK CLAMP.
6. ROOF DRAINAGE PIPING.
7. RUN ROOFING INTO BODY OF DRAIN.



## ROOF DRAIN

SCALE: 3" = 1'-0"

07C-7021

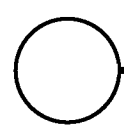


1. WALL (PRIME MASONRY SURFACES).
2. METAL CLAD MODIFIED BITUMEN FLASHING (TORCH & FASTEN 9" O.C.).
3. MODIFIED BITUMEN CAP SHEET (PREPARE GRANULAR SURFACE).
4. MODIFIED BITUMEN REINFORCING SHEET.
5. MODIFIED BITUMEN BASE PLY.
6. METAL FLASHING/COUNTERFLASHING ASSEMBLY.
7. PLYWOOD ROOF SHEATHING.
8. METAL DECK.

8" MIN.

3"

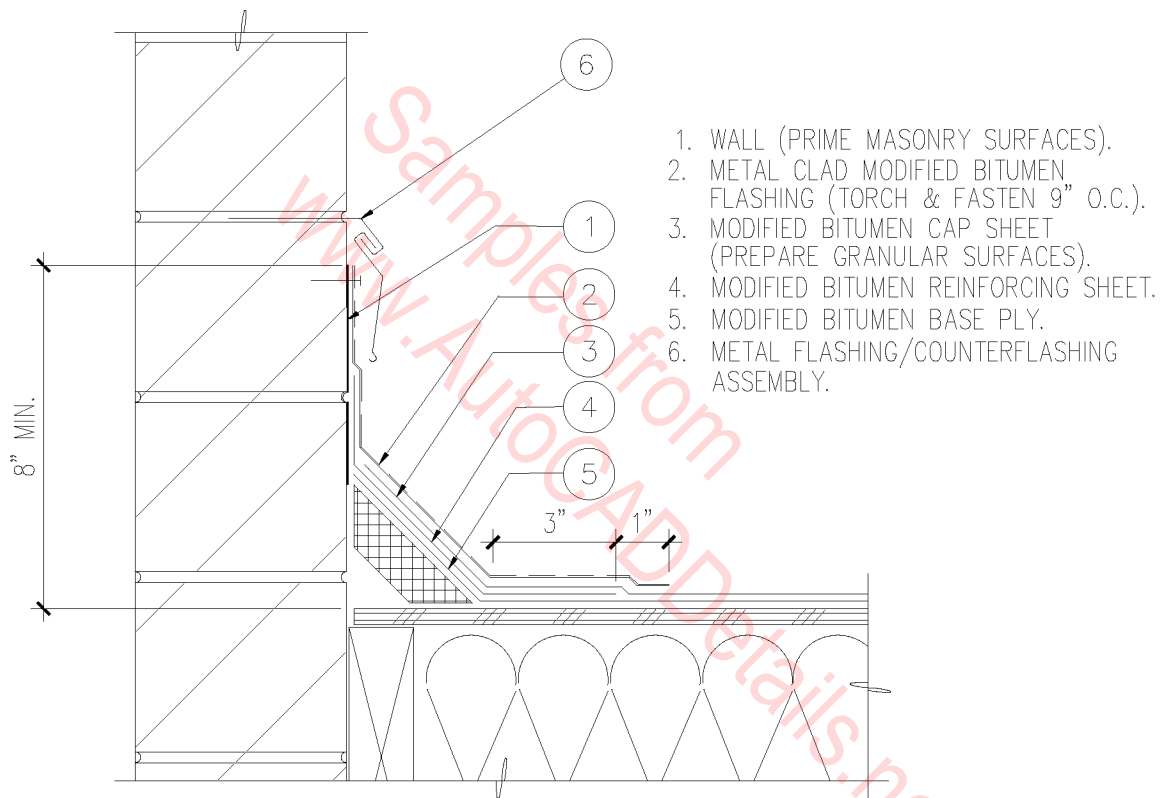
1"



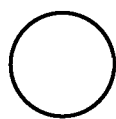
# REGLET AT METAL ROOF

SCALE: 3" = 1'-0"

07C-7022



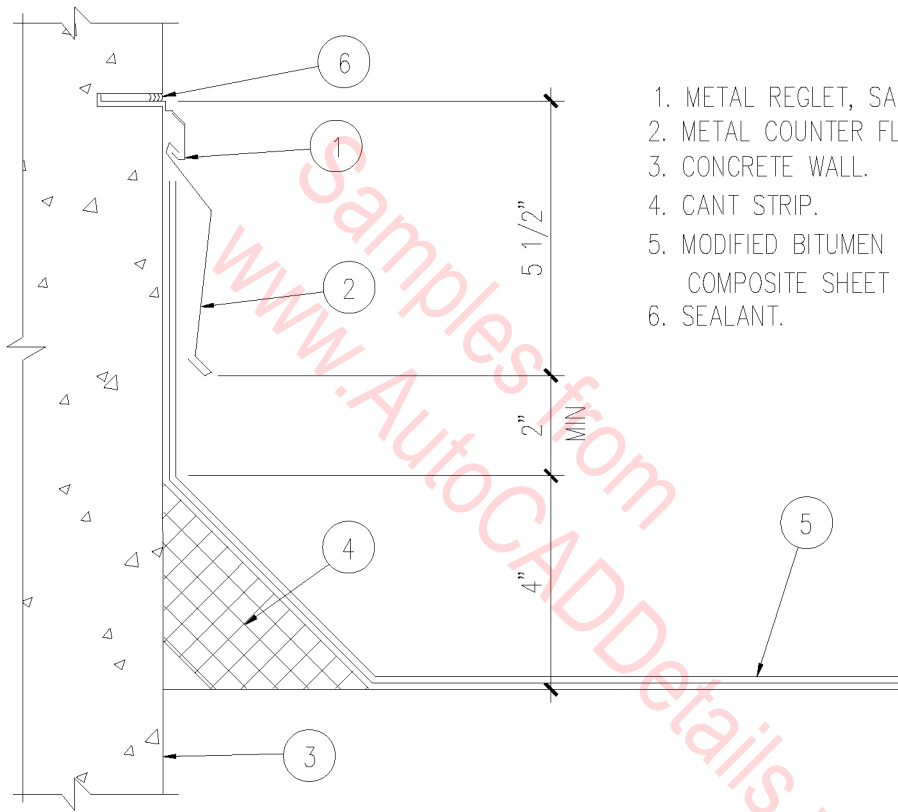
1. WALL (PRIME MASONRY SURFACES).
2. METAL CLAD MODIFIED BITUMEN FLASHING (TORCH & FASTEN 9" O.C.).
3. MODIFIED BITUMEN CAP SHEET (PREPARE GRANULAR SURFACES).
4. MODIFIED BITUMEN REINFORCING SHEET.
5. MODIFIED BITUMEN BASE PLY.
6. METAL FLASHING/COUNTERFLASHING ASSEMBLY.



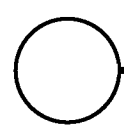
## REGLET AT CMU WALL

SCALE: 3" = 1'-0"

07C-7023



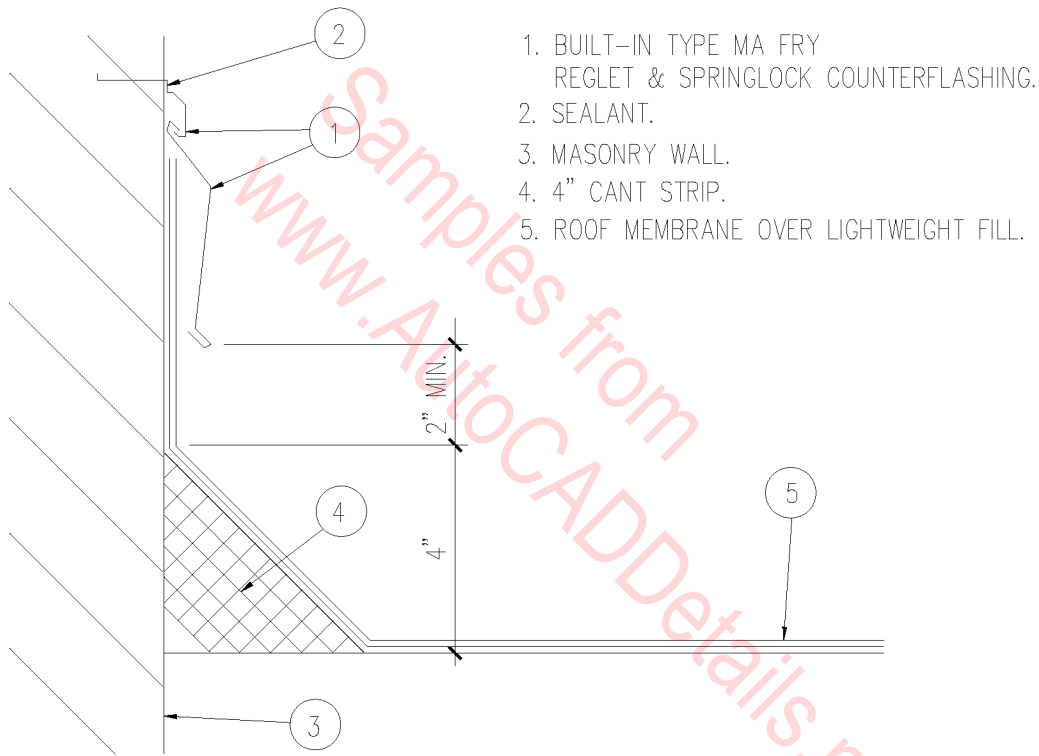
1. METAL REGLET, SAW CUT GROOVE.
2. METAL COUNTER FLASHING.
3. CONCRETE WALL.
4. CANT STRIP.
5. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
6. SEALANT.



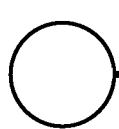
# REGLET AT C.I.P. WALL

SCALE: 3" = 1'-0"

07C-7024



1. BUILT-IN TYPE MASONRY REGLET & SPRINGLOCK COUNTERFLASHING.
2. SEALANT.
3. MASONRY WALL.
4. 4" CANT STRIP.
5. ROOF MEMBRANE OVER LIGHTWEIGHT FILL.

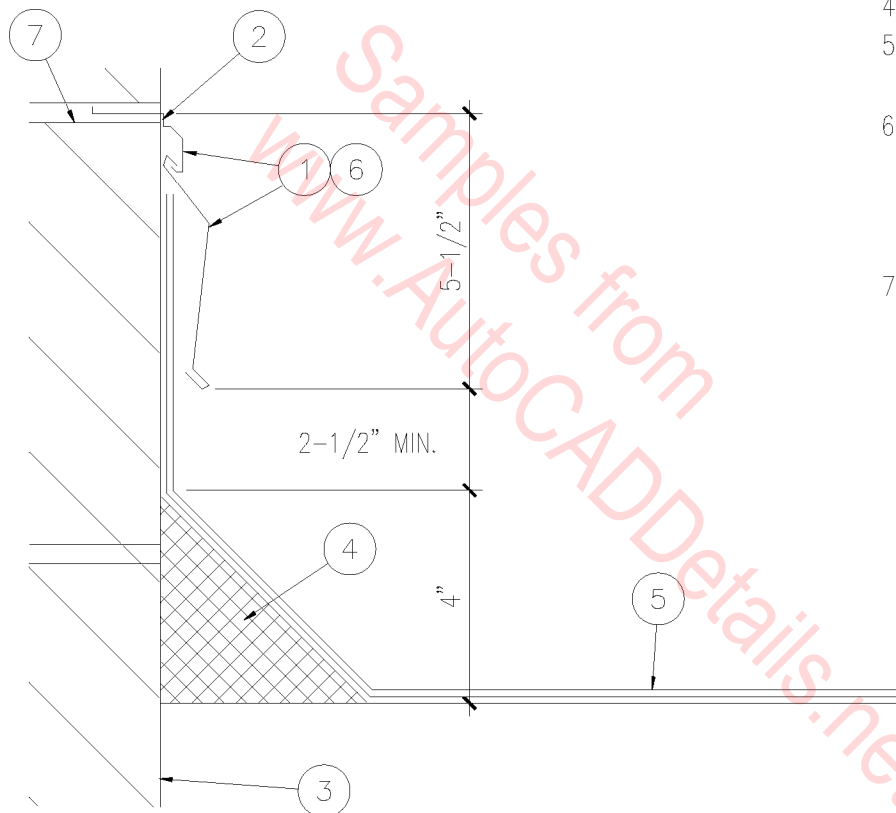


# REGLET AT CMU WALL

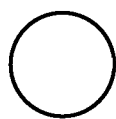
SCALE: 3" = 1'-0"

07C-7025





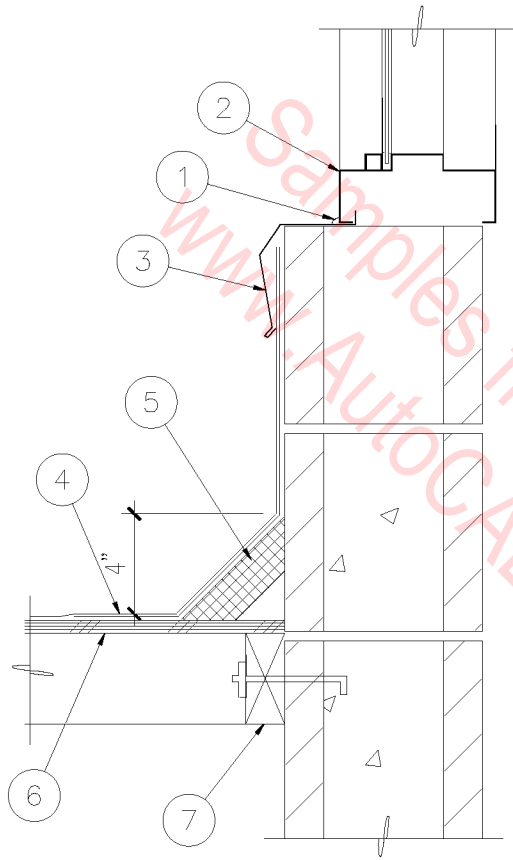
1. BUILT-IN TYPE MASONRY REGLET IN MORTAR JOINT & SPRINGLOCK COUNTERFLASHING.
2. SEALANT.
3. MASONRY WALL.
4. 4" CANT STRIP.
5. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
6. STEP FLASHING DOWN WITH SLOPE OF ROOF. PROVIDE TERMINATION BARS AT VERTICAL EDGES OF ROOFING MEMBRANE.
7. MORTAR JOINT.



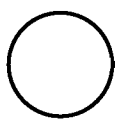
## FLASHING AT CANT

SCALE: 3" = 1'-0"

07C-7026



1. SEALANT.
2. HOLLOW METAL FRAME.
3. 26 GAUGE GALVANIZED SHEET METAL COUNTERFLASHING.
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
5. 4" CANT STRIP.
6. PLYWOOD ROOF DECK.
7. 2 X 4 FIRE RETARDANT WOOD LEDGER, CONTINUOUS.

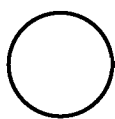
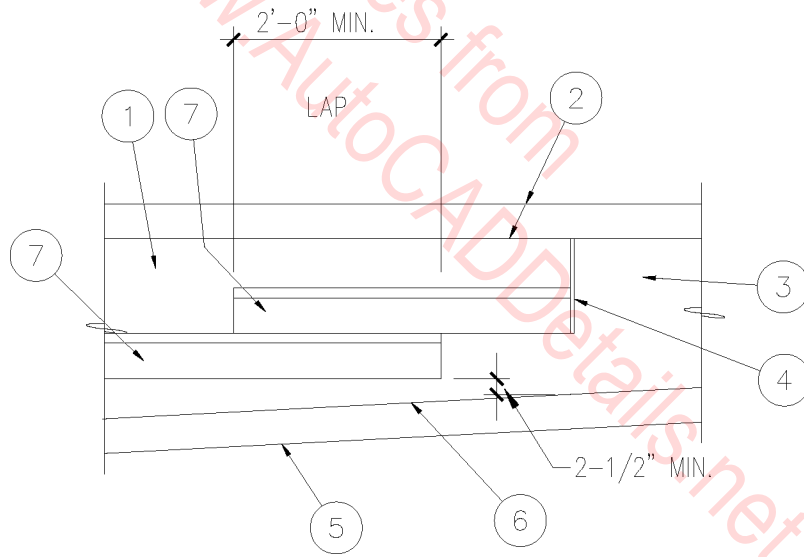


## FLASHING AT WINDOW

SCALE: 1 1/2" = 1'-0"

07C-7027

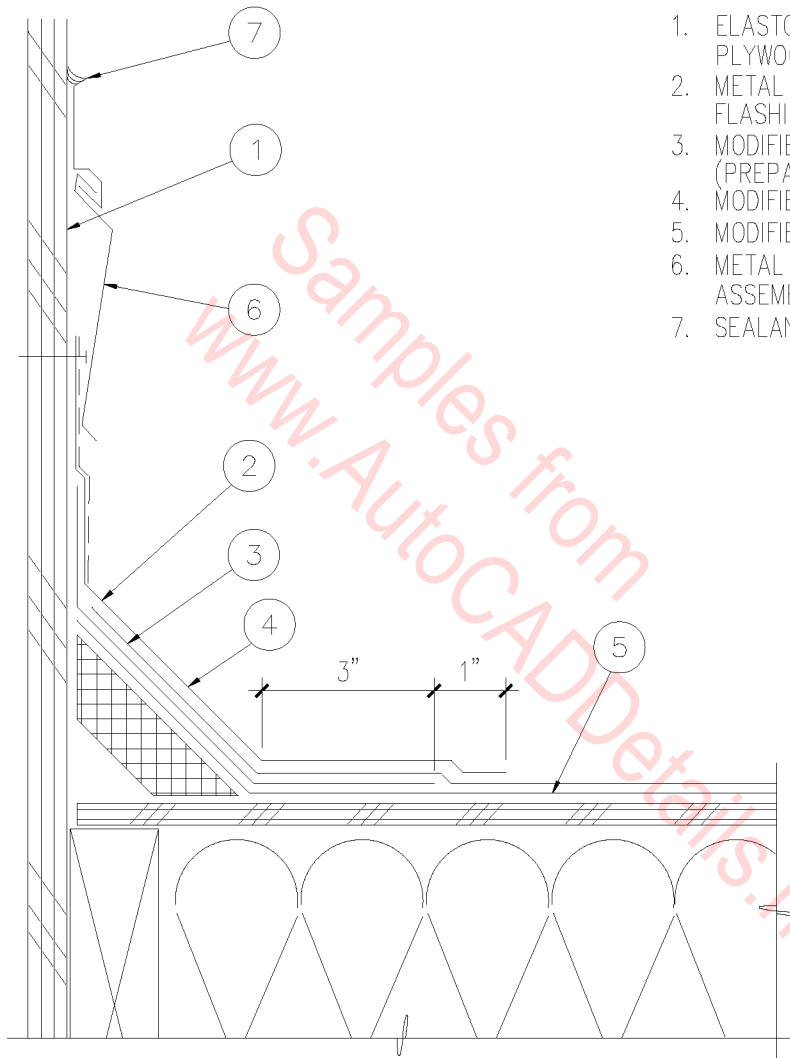
- |   |                              |
|---|------------------------------|
| 1. MASONRY WALL.  | 4. TERMINATION BAR.          |
| 2. PREFABRICATED METAL COPING.  | 5. ROOF DECK.                |
| 3. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.   | 6. CANT STRIP.               |
| WHERE PARAPET IS 3'-0" OR LESS ABOVE ROOF DECK, ROOFING IS CONTINUOUS UP WALL AND UNDER METAL COPING. | 7. REGLET & COUNTERFLASHING. |



# STEPPED FLASHING

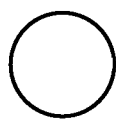
SCALE: 1" = 1'-0"

07C-7028



1. ELASTOMERIC COATING OVER PLYWOOD SHEATHING ON 2X WOOD FRAMING.
2. METAL CLAD MODIFIED BITUMEN FLASHING (TORCH & FASTEN 9" O.C.).
3. MODIFIED BITUMEN CAP SHEET (PREPARE GRANULAR SURFACE).
4. MODIFIED BITUMEN REINFORCING SHEET.
5. MODIFIED BITUMEN BASE PLY.
6. METAL FLASHING/COUNTERFLASHING ASSEMBLY.
7. SEALANT.

Samples from  
www.AutoCADDetails.net



## REGLET FLASHING

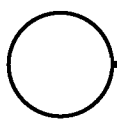
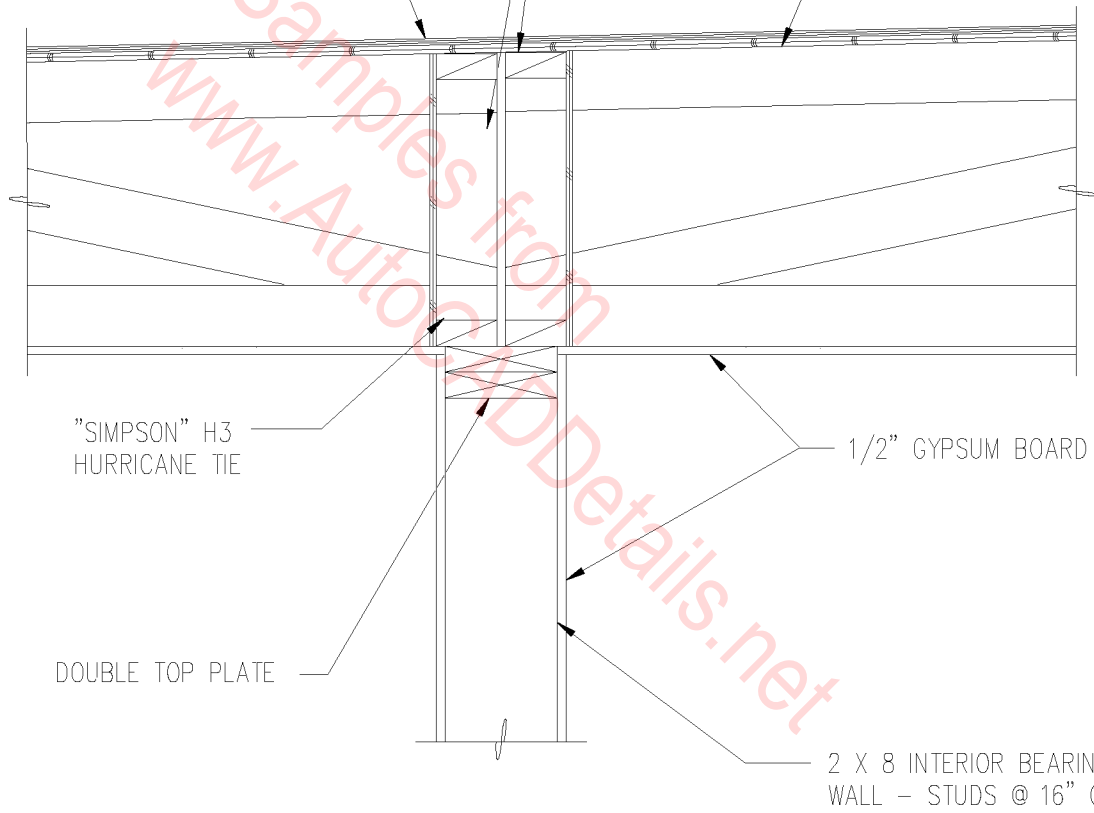
SCALE: 3" = 1'-0"

07C-7029

3 PLY BUILT UP ROOF SYSTEM  
(GAF # N-B-3-C, ICBO #R-1306)  
OVER 1/2" PLYWOOD ROOF DECK  
SEE FRAMING PLAN FOR NAILING  
SCHEDULE

TRUSS CONNECTION  
(SHEAR PANEL)

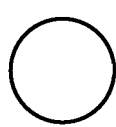
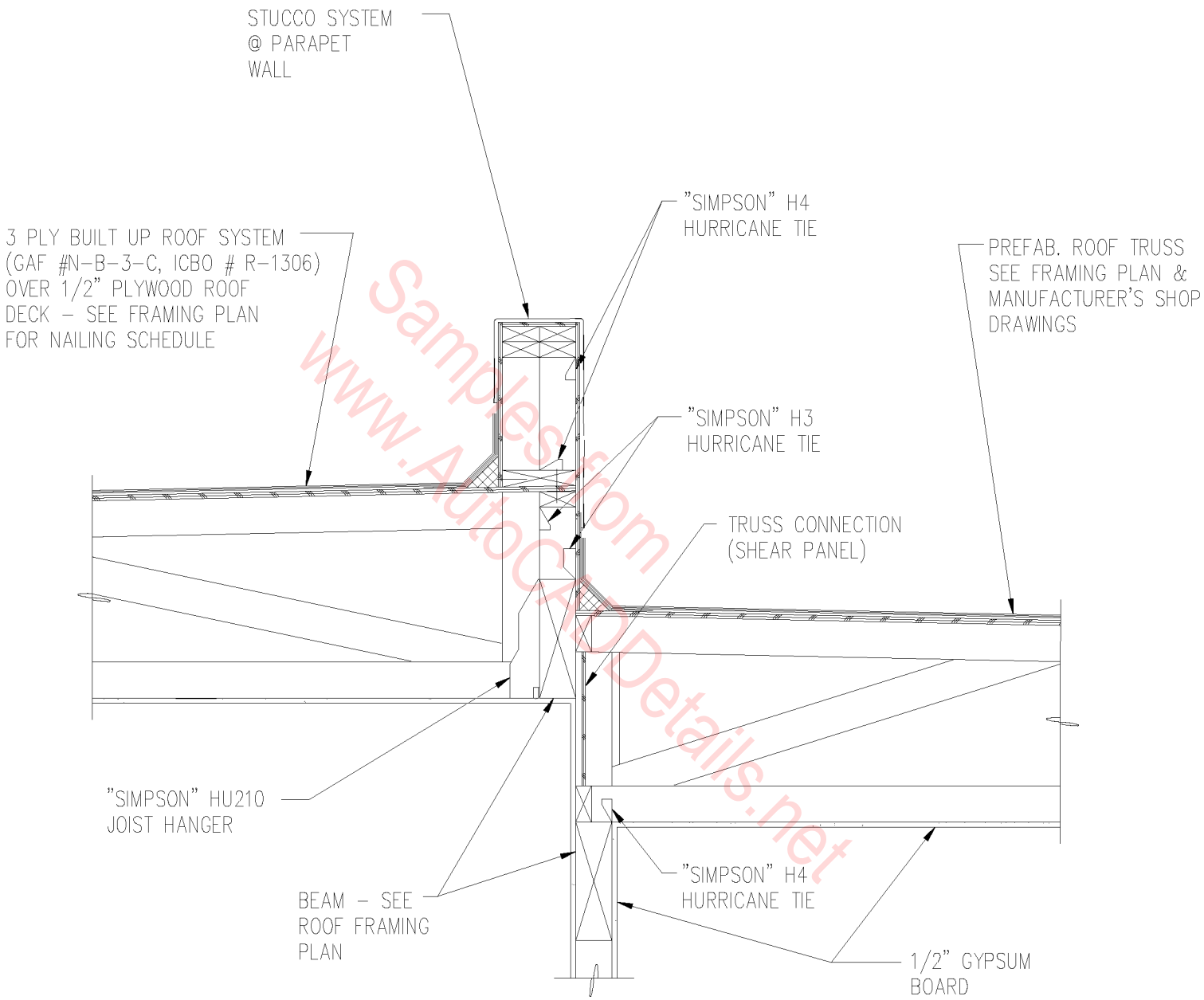
PREFABRICATED ROOF TRUSS  
SEE FRAMING PLAN AND  
MANUFACTURER'S SHOP  
DRAWINGS



## SEATED TRUSSES

1" = 1'-0"

07C-7030



# ROOF SLOPE CHANGE

$3/4'' = 1'-0''$

07C-7031

1/2" PLYWOOD ROOF DECK -  
SEE FRAMING PLAN FOR  
NAILING SCHEDULE

PREFAB. ROOF TRUSS -  
SEE FRAMING PLAN AND  
MANUFACTURER'S SHOP  
DRAWINGS

"SIMPSON" H3  
HURRICANE TIE

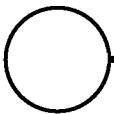
CONTINUOUS  
BLOCKING

"SIMPSON" HU210  
JOIST HANGER

1/2" GYPSUM  
BOARD

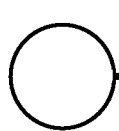
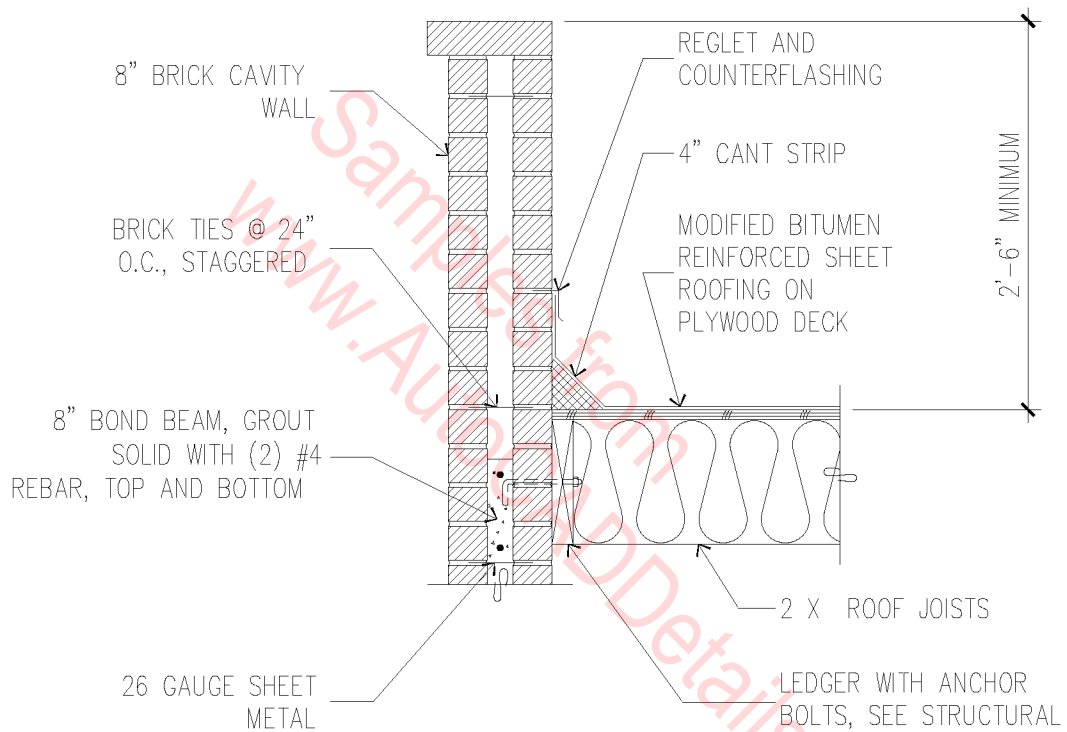
BEAM - SEE  
FRAMING PLAN

# TRUSS TO BEAM CONNECTION



1" = 1'-0"

07C-7032

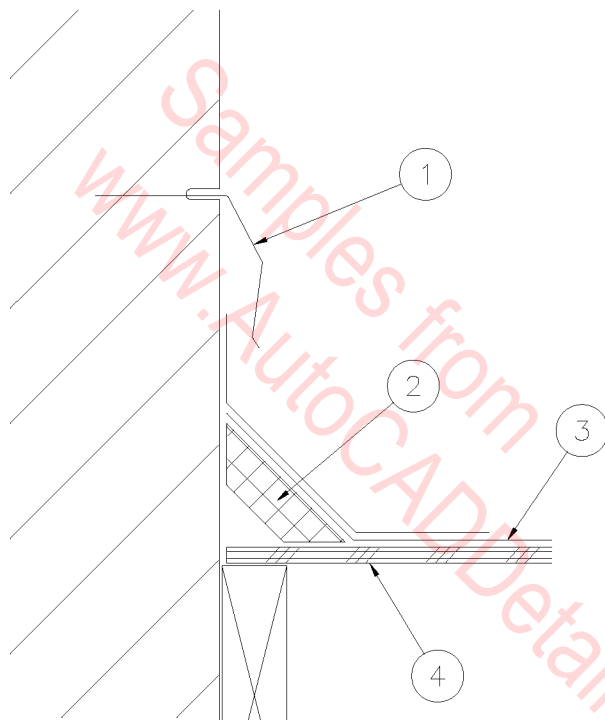


# BRICK PARAPET WALL

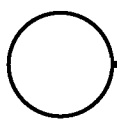
$3/4" = 1'-0"$

07C-7033





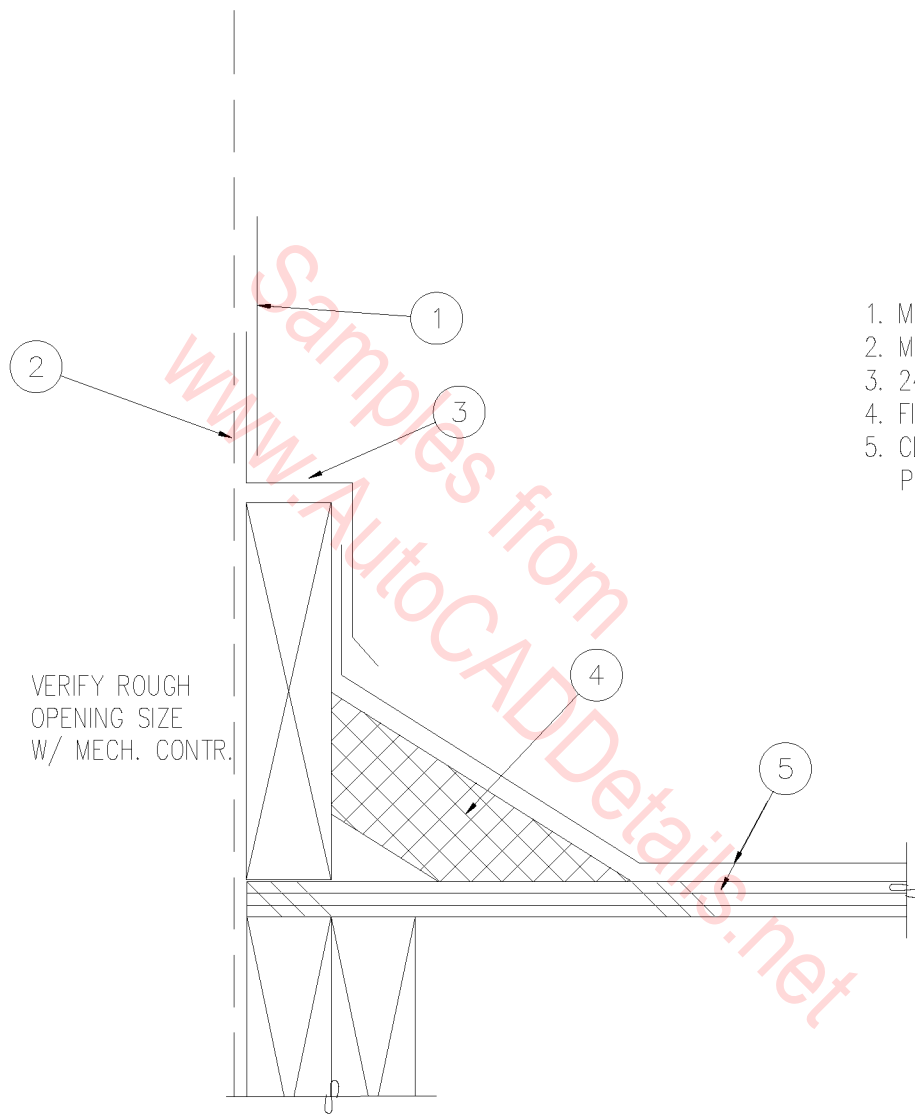
1. "FRY" TYPE REGLET
2. FIBER CANT STRIP.
3. CLASS "A" BUILT UP ROOFING.
4. PLYWOOD SHEATHING.



## CANT DETAIL

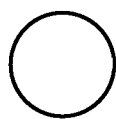
SCALE: 3" = 1'-0"

07C-6001



1. MECHANICAL EQUIPMENT.
2. MECHANICAL DUCT.
3. 24 GA. FLASHING.
4. FIBER CANT.
5. CLASS "A" BUILT ROOFING PLYWOOD DECK.

VERIFY ROUGH  
OPENING SIZE  
W/ MECH. CONTR.

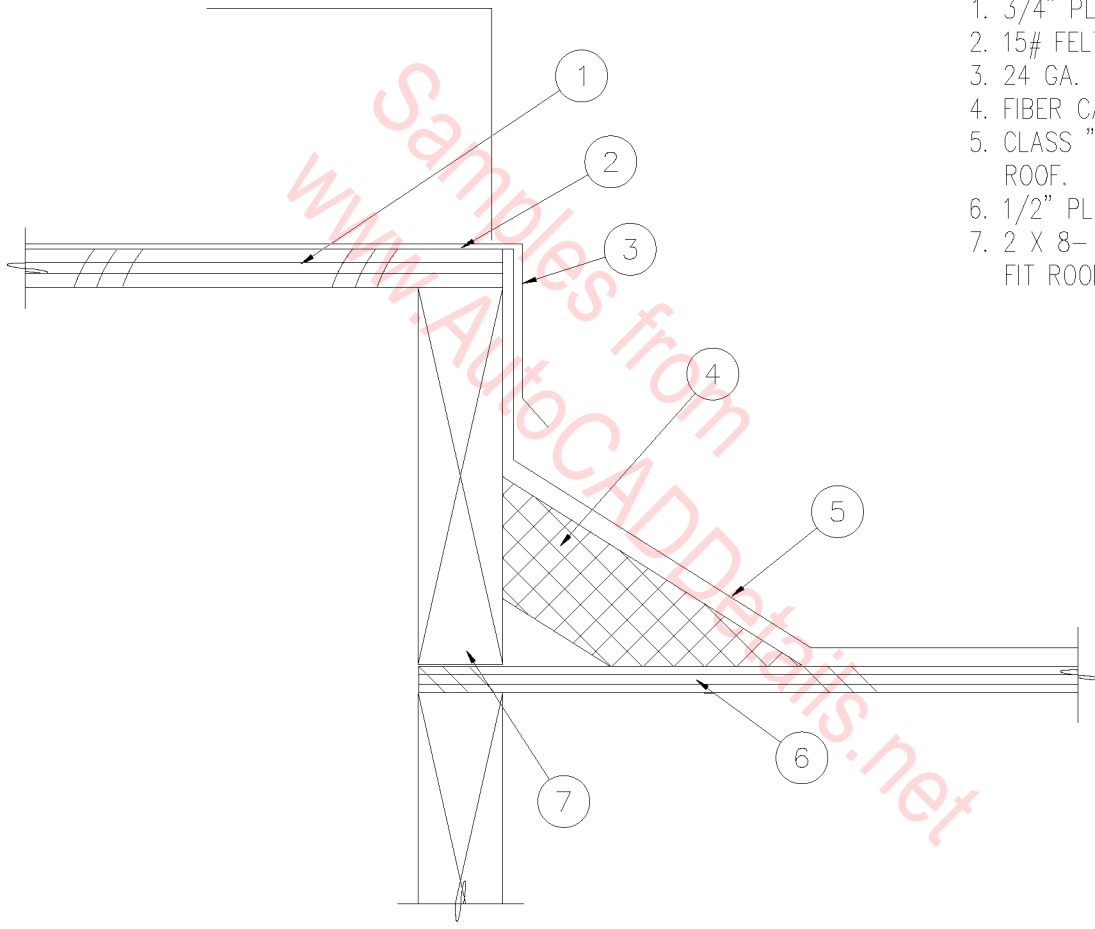


# ROOF PENETRATION

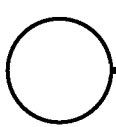
SCALE: 3" = 1'-0"

07C-6002

EQUIP. SIZE  
PLUS 4' ALL  
AROUND



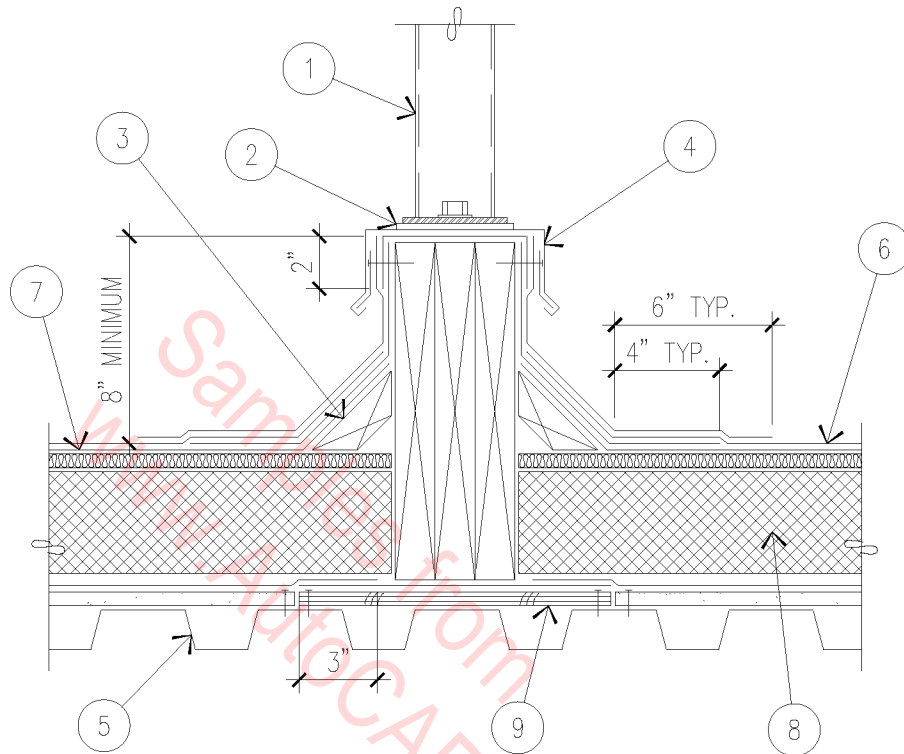
- 1. 3/4" PLYWOOD
- 2. 15# FELT.
- 3. 24 GA. FLASHING.
- 4. FIBER CANT.
- 5. CLASS "A" BUILT ROOF.
- 6. 1/2" PLYWOOD.
- 7. 2 X 8- TAPER CUT TO FIT ROOF SLOPE.



# EQUIPMENT BASE

SCALE: 3" = 1'-0"

07C-6003

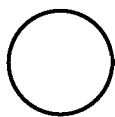


- 1. STRUCTURAL SUPPORT.
- 2. NEOPRENE PAD.
- 3. CANT STRIP.
- 4. CAP FLASHING.
- 5. METAL DECKING.
- 6. BUILT-UP ROOFING - SEE SPECIFICATIONS.
- 7. PRIMARY INSULATION.

- 8. OPTIONAL AIR/VAPOR BARRIER.
- 9. PLYWOOD.

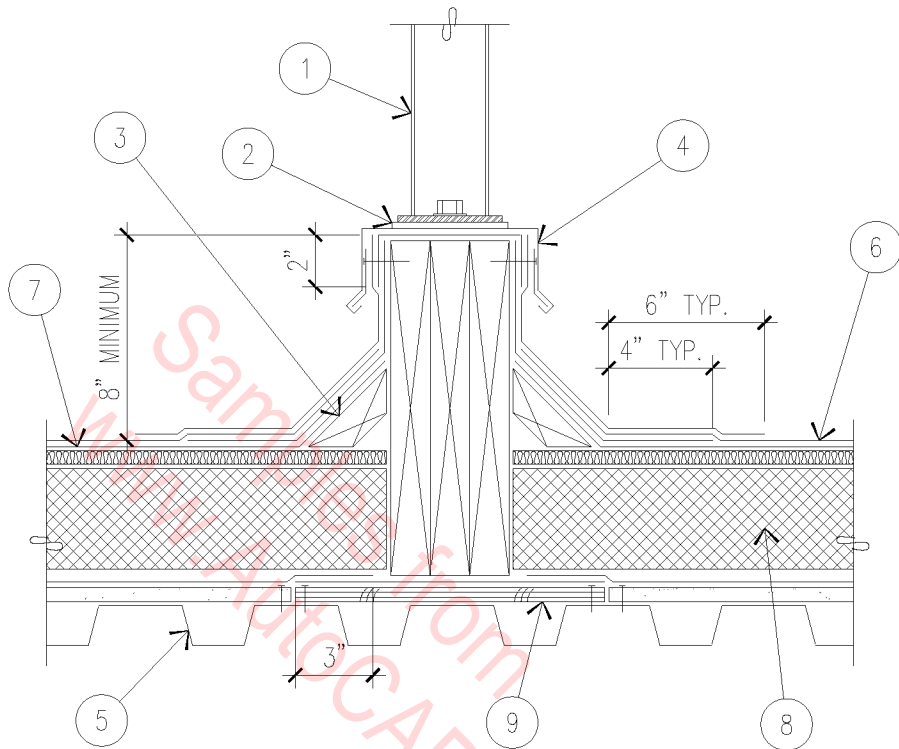
NOTE: CANT STRIPS ARE NOT REQUIRED WHEN CAP FLASHING OR ALL PLIES ARE THERMOFUSED.

# EQUIPMENT STRUCTURAL SUPPORT



1 1/2" = 1'-0"

07C-6004

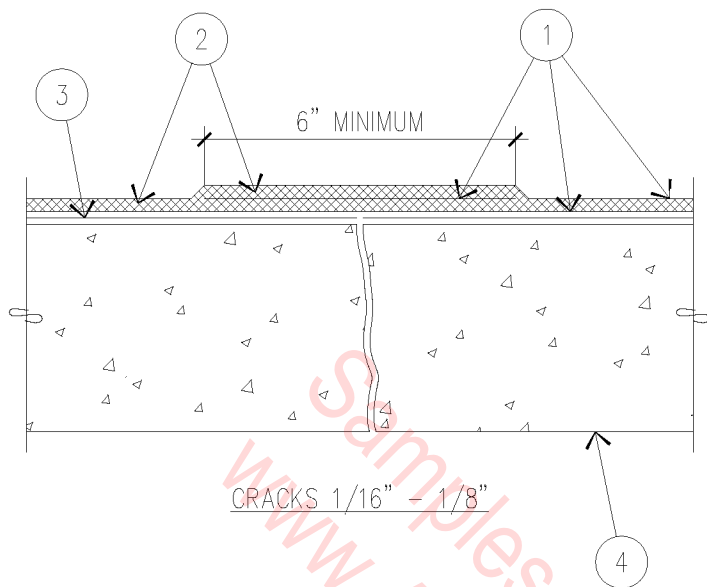


- |   |                                |
|---|--------------------------------|
| 1. STRUCTURAL SUPPORT.                    | 8. OPTIONAL AIR/VAPOR BARRIER. |
| 2. NEOPRENE PAD.                          | 9. PLYWOOD.                    |
| 3. CANT STRIP.                            |                                |
| 4. CAP FLASHING.                          |                                |
| 5. METAL DECKING.                         |                                |
| 6. BUILT-UP ROOFING – SEE SPECIFICATIONS. |                                |
| 7. PRIMARY INSULATION.                    |                                |
- NOTE: CANT STRIPS ARE NOT REQUIRED WHEN CAP FLASHING OR ALL PLIES ARE THERMOFUSED.

# EQUIPMENT STRUCTURAL SUPPORT

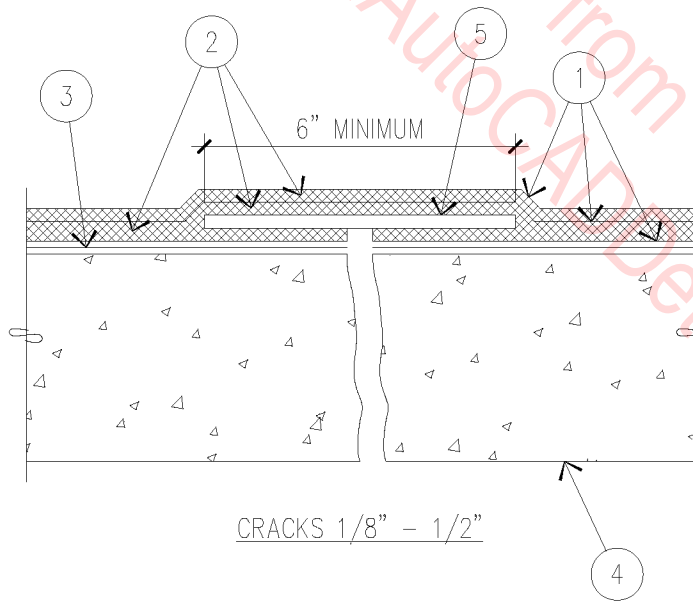
1 1/2" = 1'-0"

07C-6004

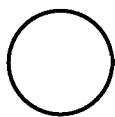


1. MEMBRANE.
2. POLYESTER FABRIC REINFORCEMENT.
3. PRIMER.
4. CONCRETE DECK.
5. SHEET FLASHING.

NOTE: CRACKS UP TO 1/16" REQUIRE NO SPECIAL TREATMENT.

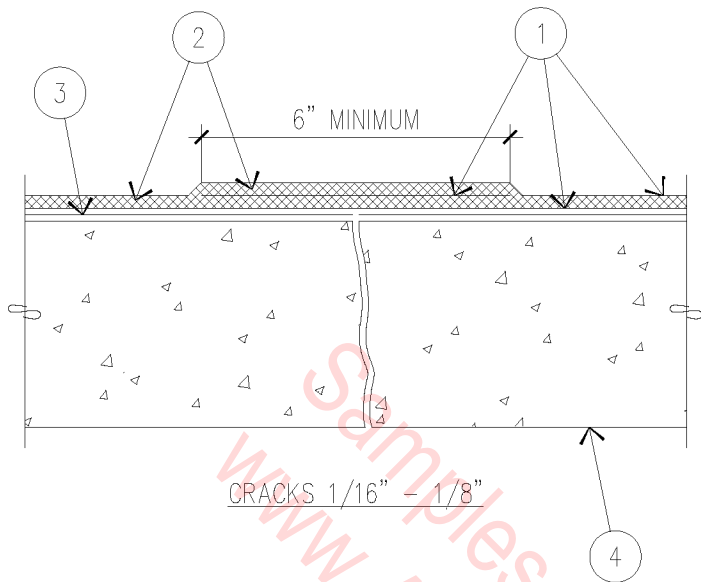


# CONCRETE DECK CRACK TREATMENT



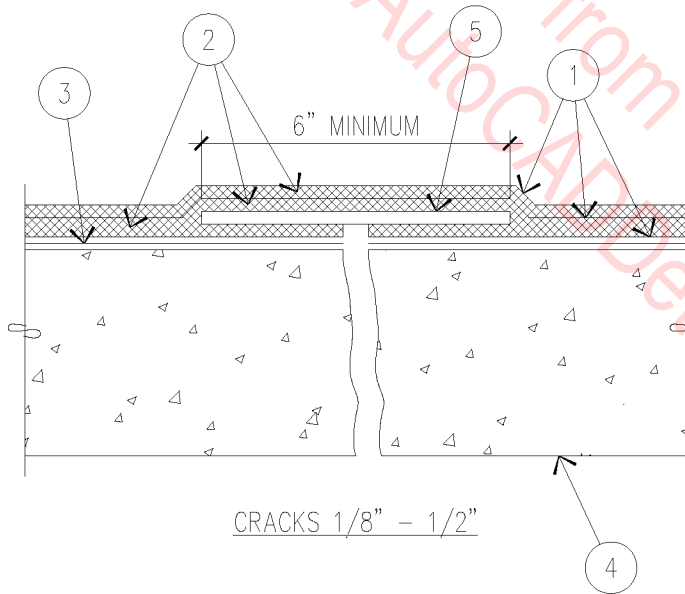
3" = 1'-0"

07C-6005

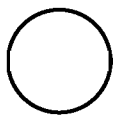


1. MEMBRANE.
2. POLYESTER FABRIC REINFORCEMENT.
3. PRIMER.
4. CONCRETE DECK.
5. SHEET FLASHING.

NOTE: CRACKS UP TO 1/16\" REQUIRE NO SPECIAL TREATMENT.

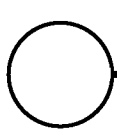
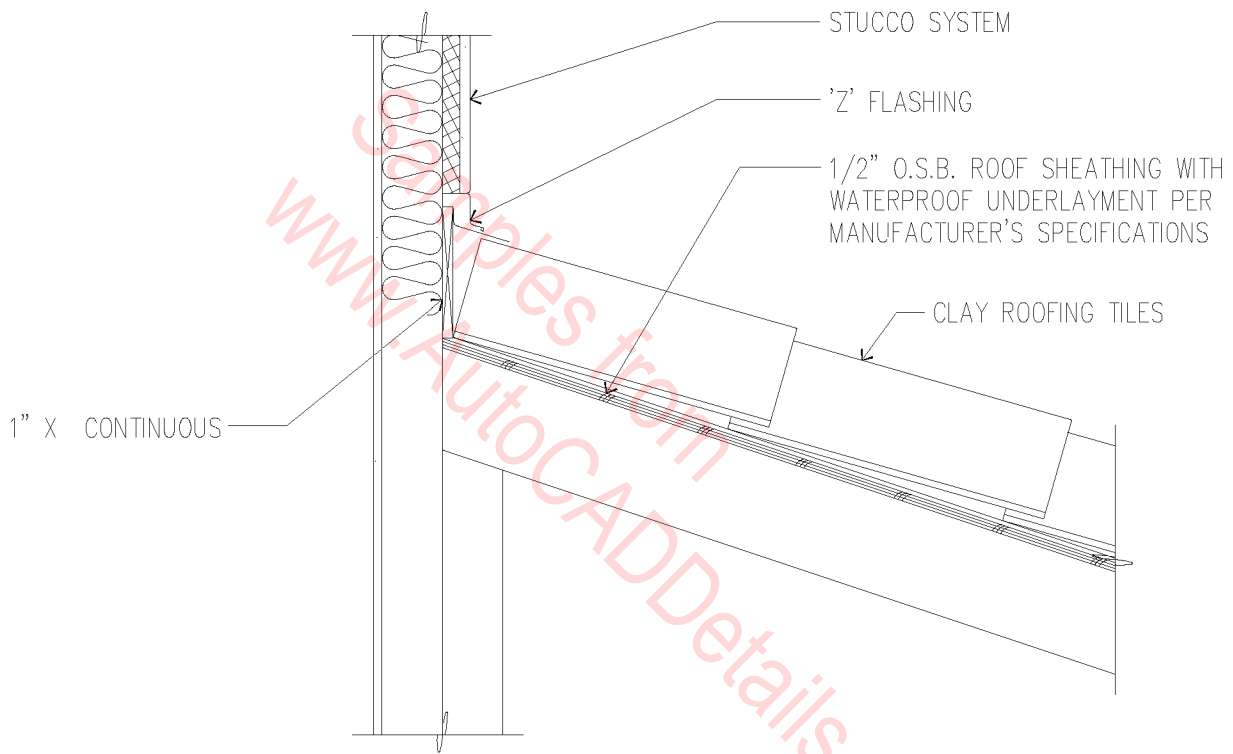


# CONCRETE DECK CRACK TREATMENT



3\" = 1'-0\"

07C-6005

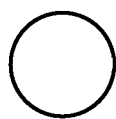
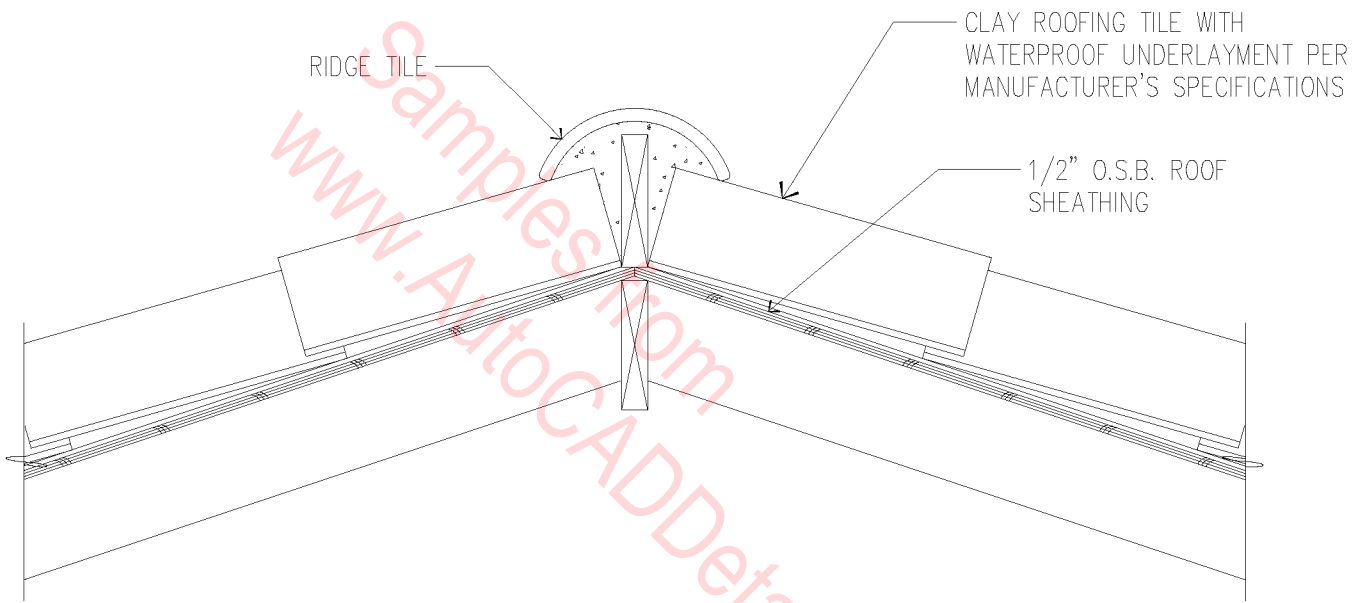


# CLAY ROOFING TILES

1" = 1'-0"

07C-3001

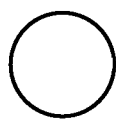
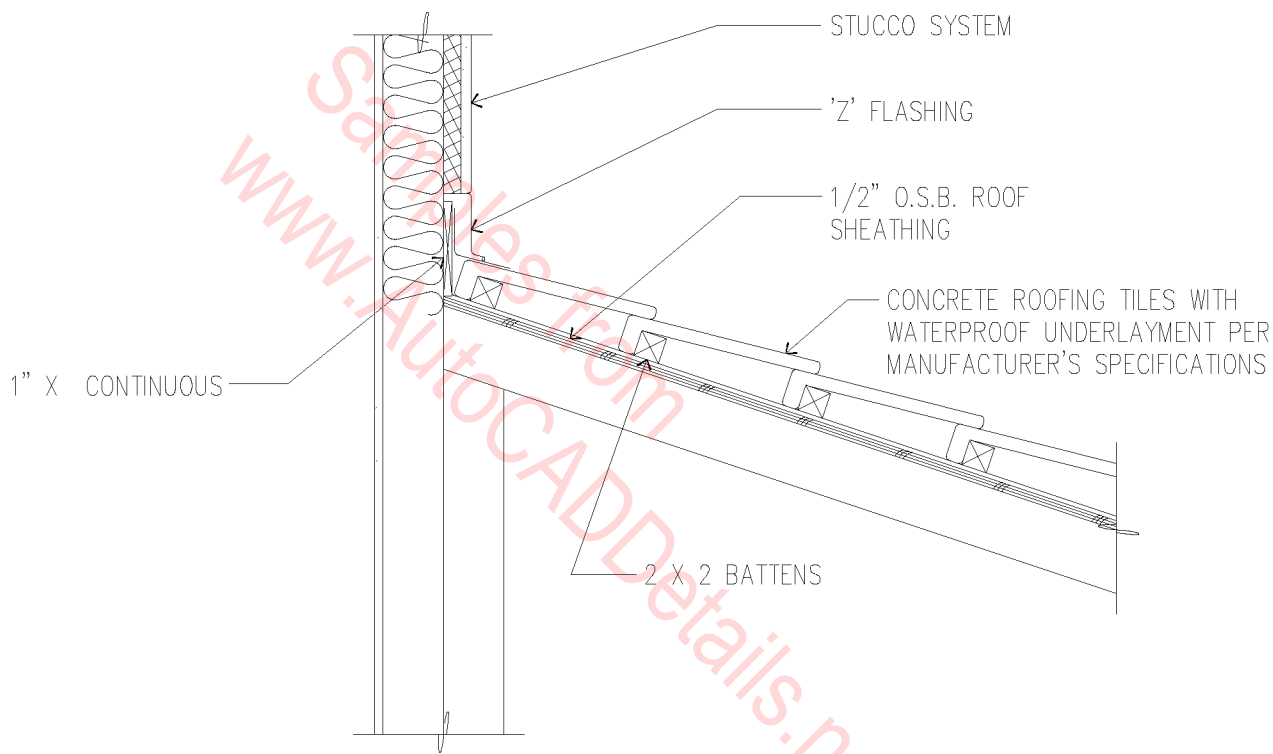




# CLAY ROOFING TILES

1" = 1'-0"

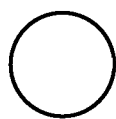
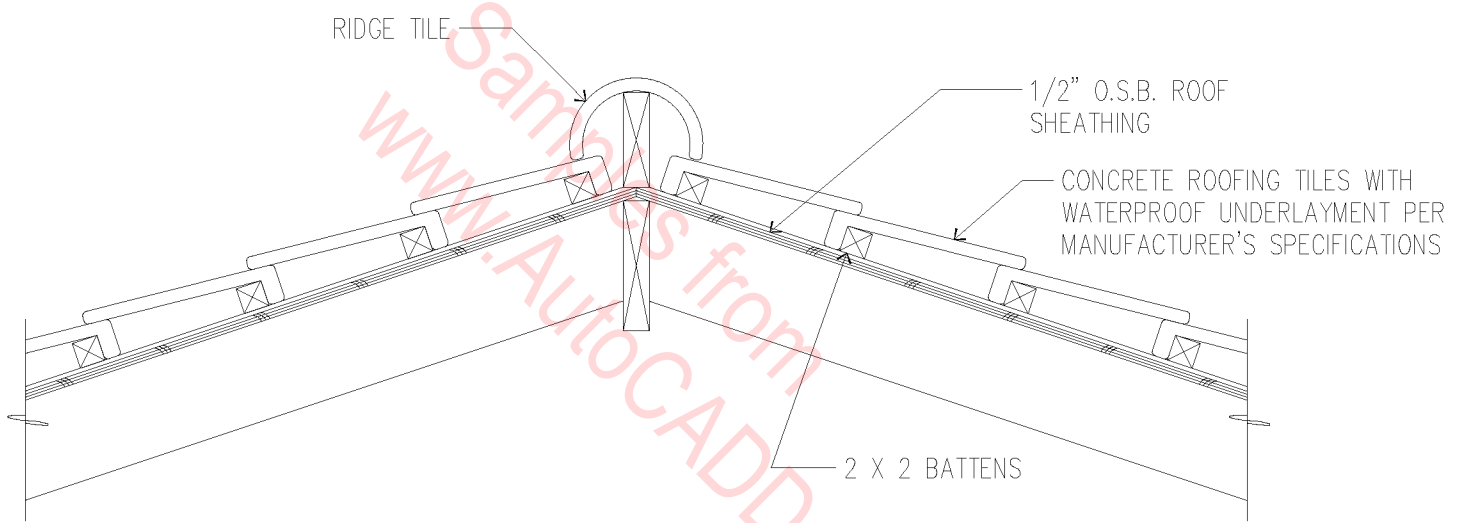
07C-3002



# CONCRETE ROOFING TILES

1" = 1'-0"

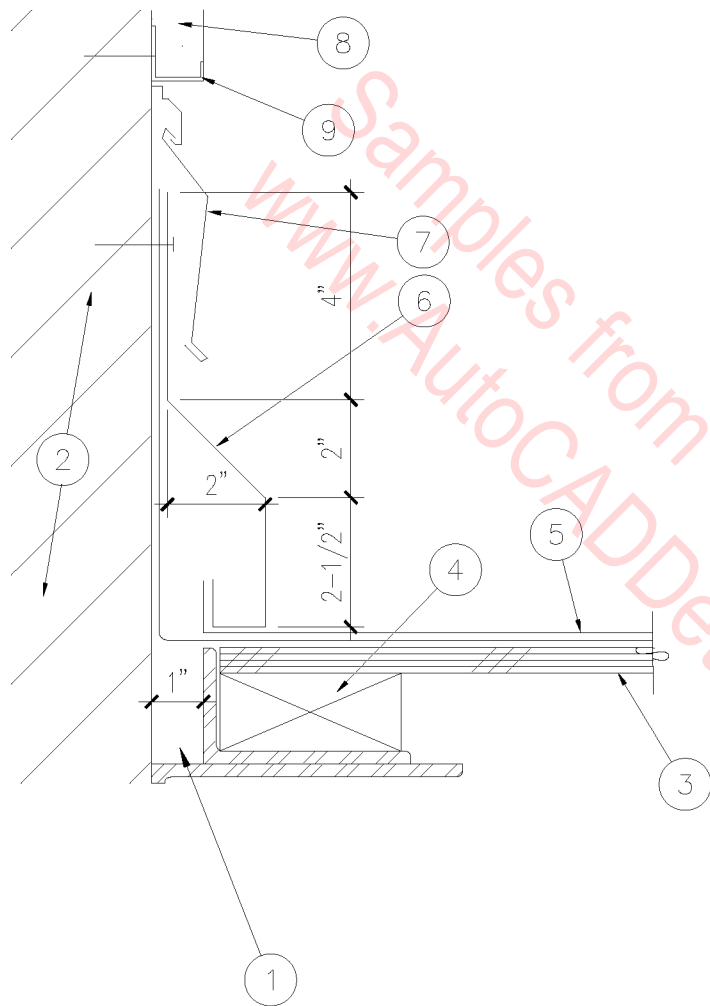
07C-4001



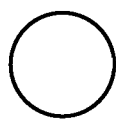
# CONCRETE ROOFING TILES

1" = 1'-0"

07C-4002



1. STRUCTURAL SLIP JOINT.
2. MASONRY WALL.
3. PLYWOOD DECK.
4. CONTINUOUS NAILER.
5. METAL ROOFING SYSTEM.
6. METAL FLASHING BY METAL ROOFING MANUFACTURER.
7. REGLET AND COUNTERFLASHING SURFACE ATTACHED UNDER STUCCO
8. CEMENT PLASTER.
9. CASING BEAD PARALLEL TO PLANE OF ROOF.
10. 40 MIL ELASTOMERIC MEMBRANE.

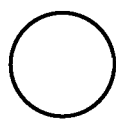
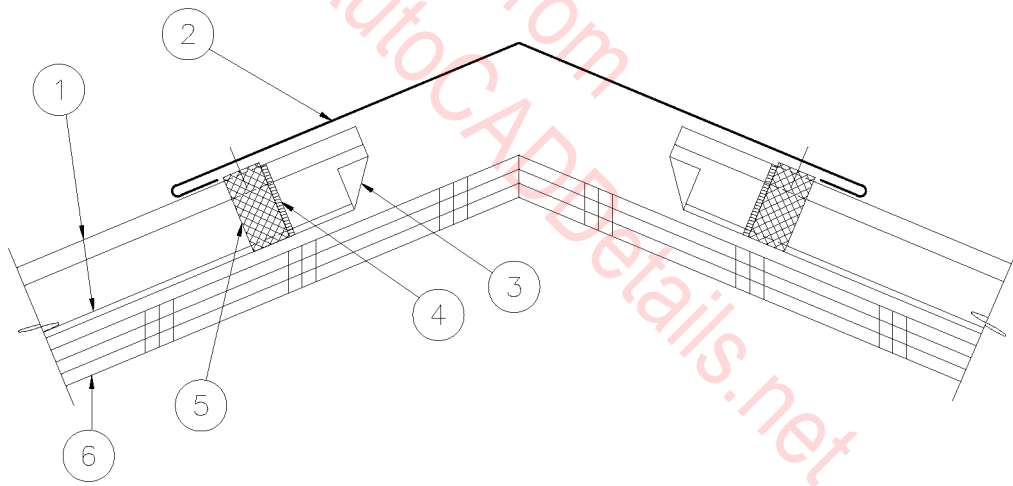


# EXPANSION JOINT

SCALE: 3" = 1'-0"

07C-5001

1. STANDING SEAM METAL ROOFING SYSTEM.
2. METAL RIDGE/HIP COVER.
3. TURN UP PAN ENDS.
4. CAULK SIDES & BOTTOM OF CLOSURE.
5. NEOPRENE CLOSURE.
6. PLYWOOD DECK.

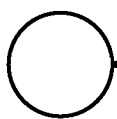
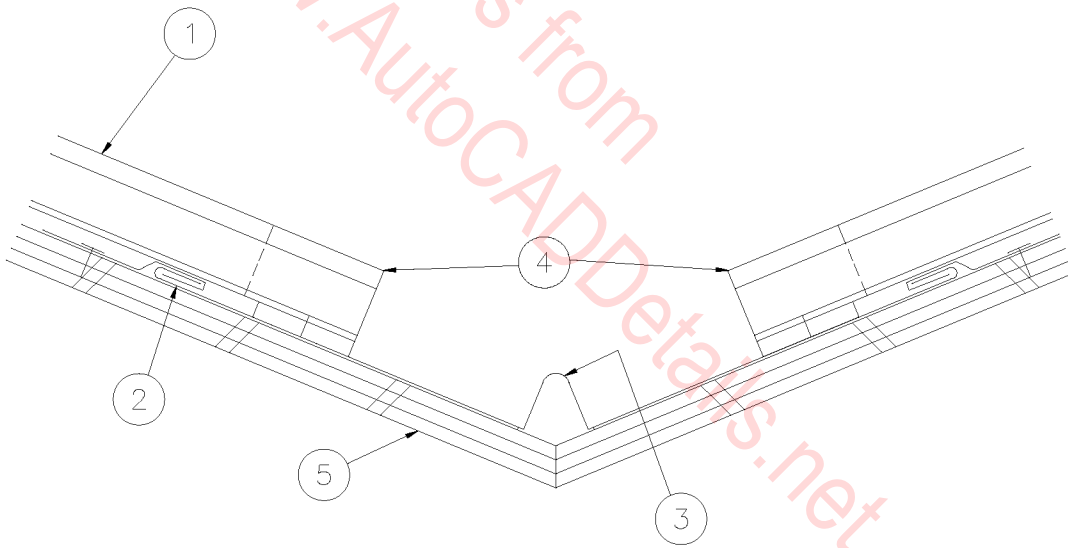


# METAL ROOF RIDGE

SCALE: 3" = 1'-0"

07C-5002

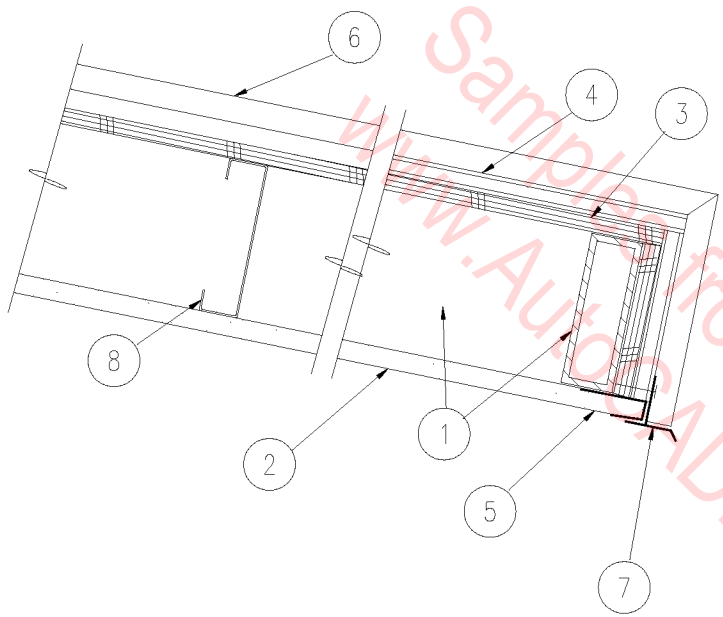
1. STANDING SEAM METAL ROOF.
2. HOLD DOWN CLEAT.
3. VALLEY GUTTER LINER.
4. CAULK ENDS OF STANDING SEAMS.
5. PLYWOOD DECK.



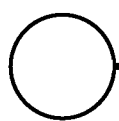
## METAL ROOF VALLEY

SCALE: 3" = 1'-0"

07C-5003



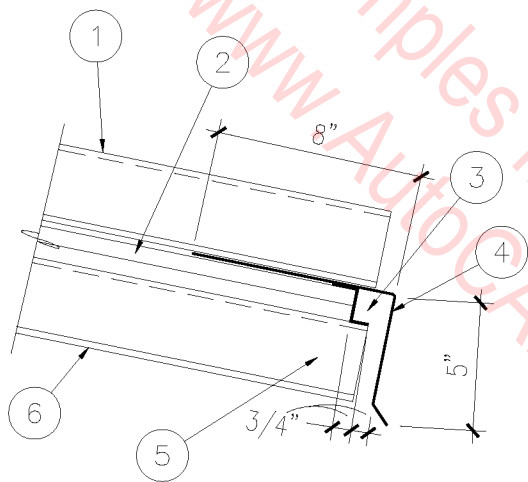
1. 6" X 2" X 3/16" STEEL TUBE FRAMING.
2. 3/4" PLASTER.
3. 5/8" FIRE TREATED PLYWOOD SHEATHING.
4. 3/4" GYP. BOARD.
5. CASING BEAD.
6. STANDING SEAM METAL ROOFING.
7. CONTINUOUS DRIP EDGE.
8. 6"X 18 GA. STEEL JOISTS AT 12" O.C. W/ 18 GA. STEEL TRACK AT EACH END.



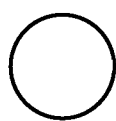
## METAL ROOF OVERHANG

1 1/2" = 1'-0"

07C-5004



1. METAL ROOF SYSTEM.
2. (2) LAYERS; 1/2" HIGH DENSITY WATER RESISTANT GYPSUM BOARD.
3. 'Z' CHANNELS AT 24" O.C.
4. METAL DRIP EDGE.
5. INDICATES EDGE OF GYPSUM BOARD.
6. ROOF DECK METAL DECKING.



## METAL ROOF OVERHANG

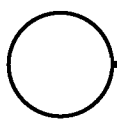
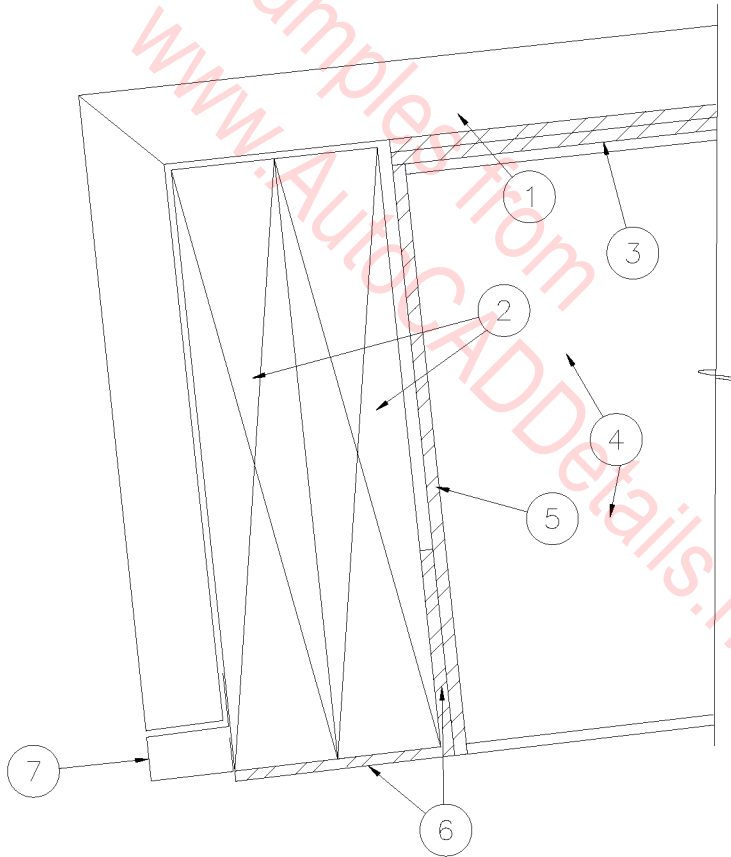
SCALE: 1 1/2" = 1'-0"

07C-5005



1. STANDING SEAM METAL ROOF SYSTEM.
2. PAIRED 2X12 FASCIA – BOLTED TO PLATE.
3. ROOF DECK.
4. STEEL BEAM.

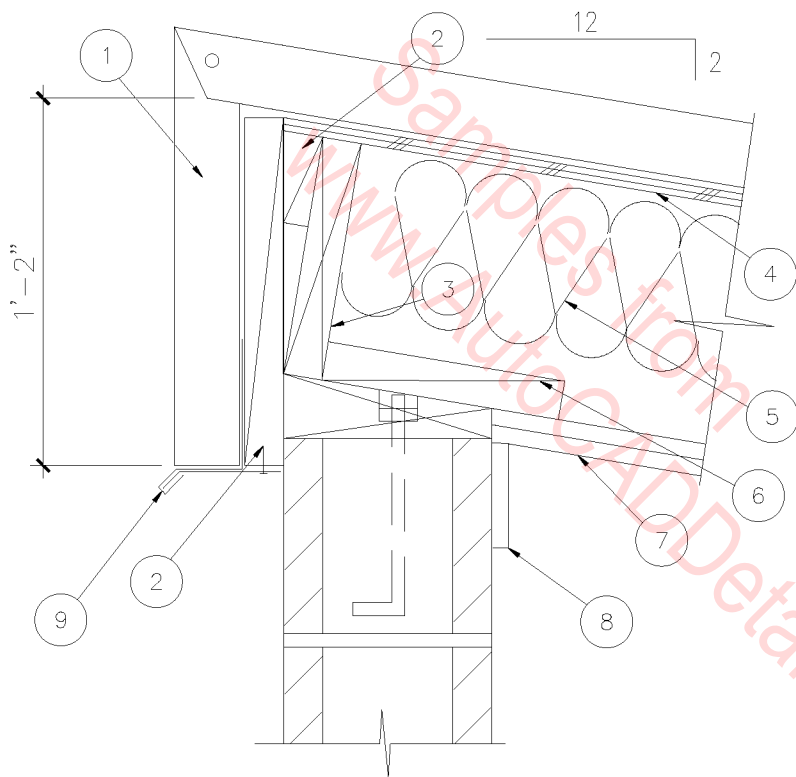
5. EXISTING STEEL PLATE.
6. STEEL ANGLE.
7. METAL DRIP FLASHING.



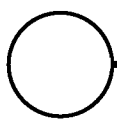
## METAL ROOF OVERHANG

SCALE: 3" = 1'-0"

07C-5006



1. PREFORMED METAL ROOF SYSTEM.
2. WOOD BLOCKING.
3. WOOD RIM JOISTS.
4. PLYWOOD SHEATHING.
5. UNFACED THERMAL BATT INSULATION.
6. 2x WOOD NAILER.
7. LAYER; 5/8" TYPE 'X' GYPSUM BOARD AT BOTTOM OF JOISTS.
8. 5/8" TYPE 'X' GYPSUM BOARD.
9. METAL DRIP EDGE – SIMILAR ON ALL SIDES.

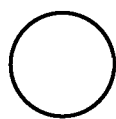
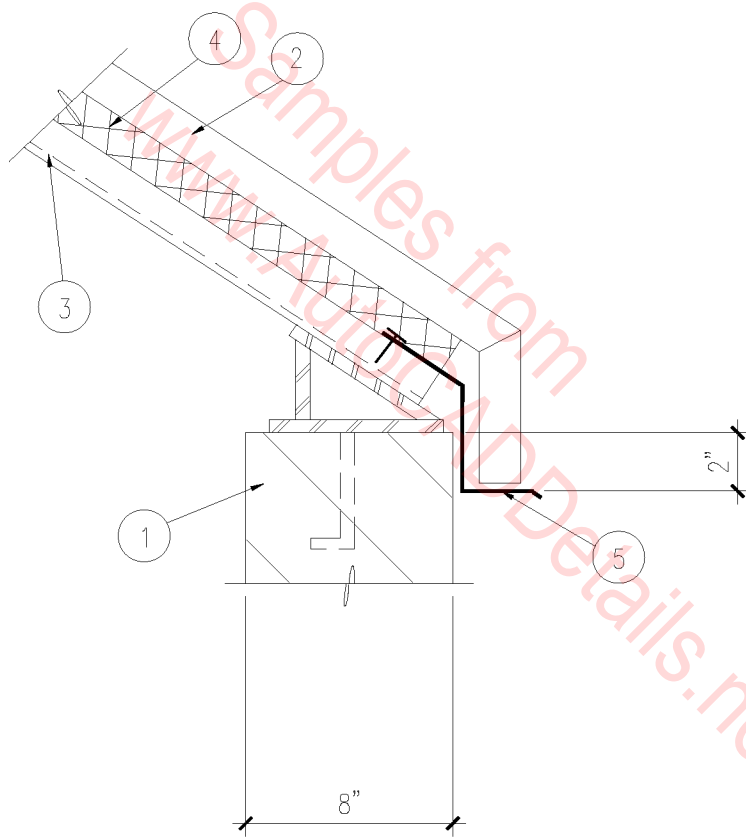


## METAL ROOF FASCIA

SCALE: 1 1/2" = 1'-0"

07C-5007

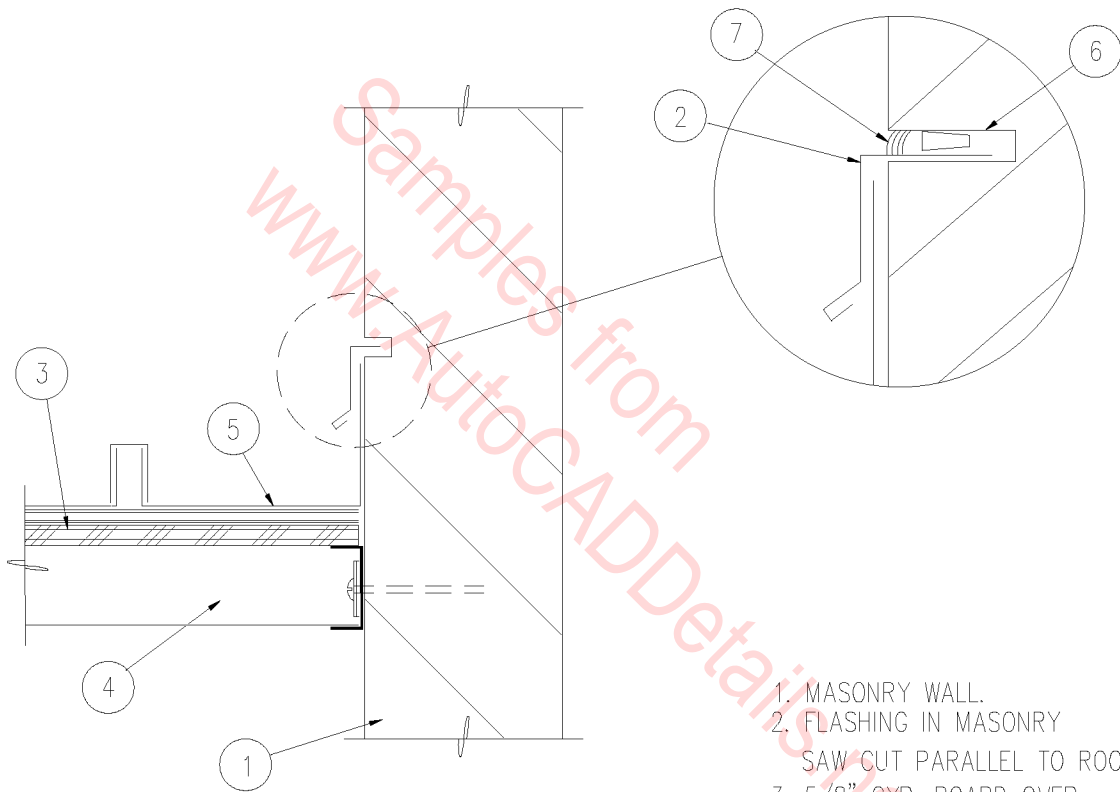
1. MASONRY WALL.
2. METAL ROOFING.
3. METAL DECK.
4. RIGID INSULATION.
5. 24 GA. DRIP EDGE.



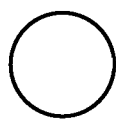
# METAL ROOF OVERHANG

SCALE: 1 1/2" = 1'-0"

07C-5008



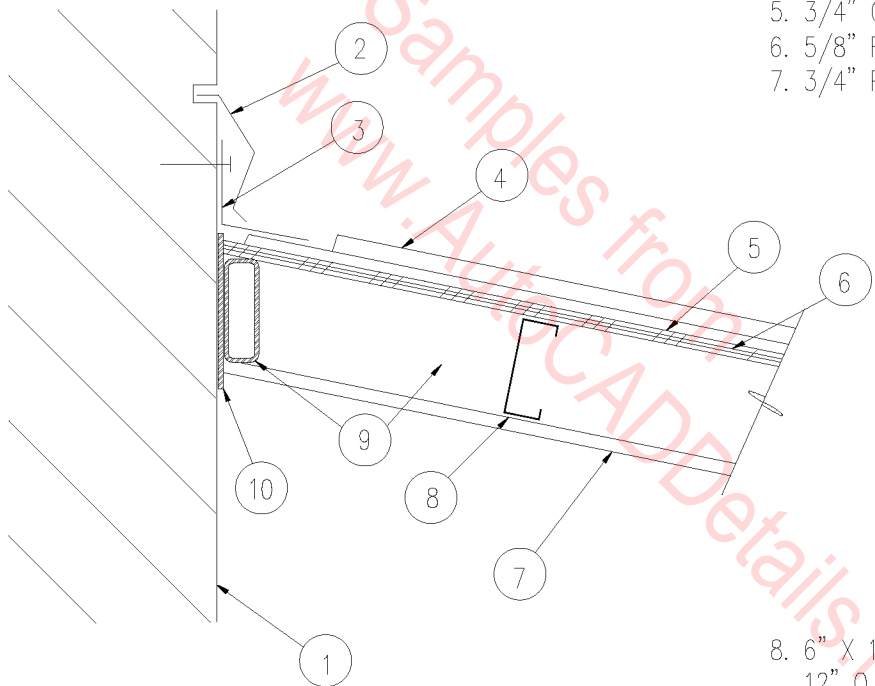
- 1. MASONRY WALL.
- 2. FLASHING IN MASONRY  
SAW CUT PARALLEL TO ROOF.
- 3. 5/8" GYP. BOARD OVER  
PLYWOOD SHEATHING.
- 4. METAL FRAMING.
- 5. STANDING SEAM METAL ROOFING.
- 6. LEAD SHIM.
- 7. SEALANT.



# REGLET AT METAL ROOF

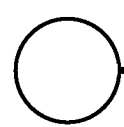
SCALE: 1 1/2" = 1'-0"

07C-5009



- 1. MASONRY WALL.
- 2. REGLET & COUNTER FLASHING.
- 3. 12 GA. GI CONT. FLASHING.
- 4. METAL ROOFING.
- 5. 3/4" GYP. BOARD.
- 6. 5/8" FIRE TREATED PLYWOOD DECK.
- 7. 3/4" PLASTER.

- 8. 6" X 18 GA. STEEL JOISTS AT 12" O.C. W/ 18 GA. STEEL TRACK AT EACH END.
- 9. 6" X 2" X 3/16" STEEL TUBE.
- 10. CONT. 9" X 1/4" STEEL PLATE EMBED.

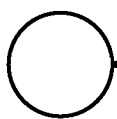
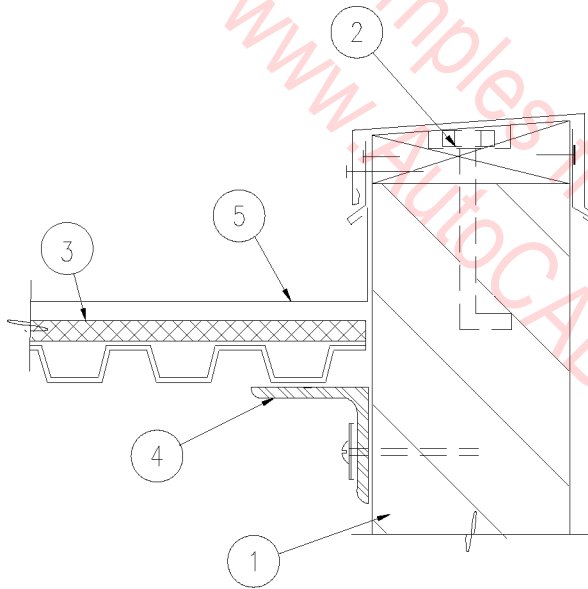


# METAL ROOF FLASHING

SCALE: 1" = 1'-0"

07C-5010

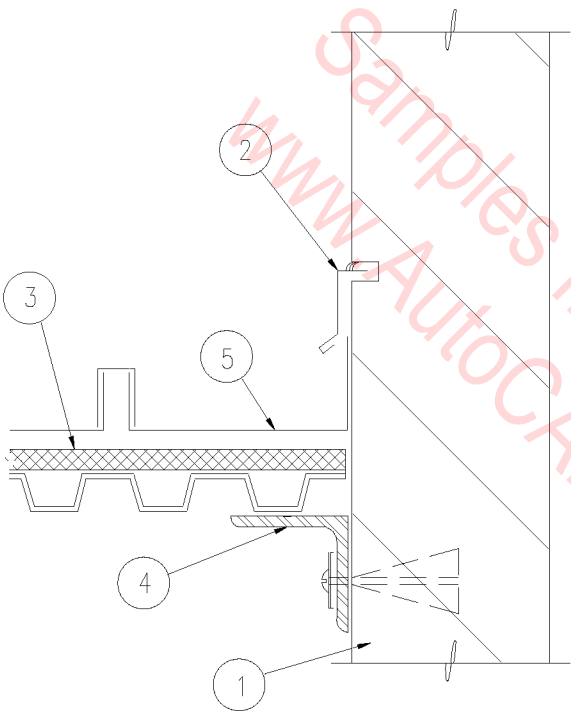
1. MASONRY WALL.
2. PARAPET CAP.
3. RIGID INSULATION  
OVER METAL DECK.
4. STEEL ANGLE LEDGER.
5. METAL ROOFING.



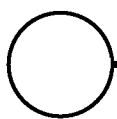
## METAL ROOF AT PARAPET

SCALE: 1 1/2" = 1'-0"

07C-5011



1. MASONRY WALL.
2. REGLET AND COUNTER FLASHING.
3. RIGID INSULATION OVER METAL DECK.
4. STEEL ANGLE LEDGER.
5. STANDING SEAM METAL ROOF.

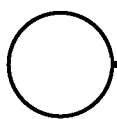
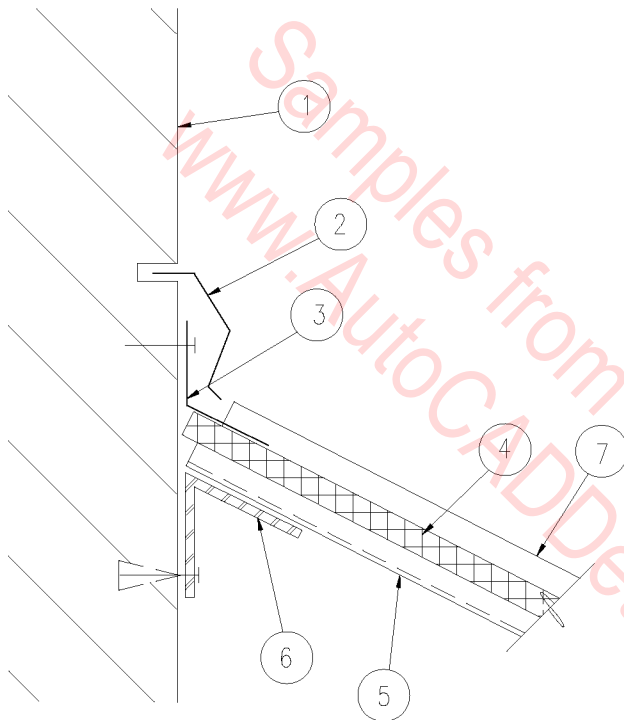


## METAL ROOF AT PARAPET

SCALE: 1 1/2" = 1'-0"

07C-5012

1. MASONRY WALL.
2. REGLET & COUNTER FLASHING.
3. 12 GA. GI CONT. FLASHING.
4. RIGID INSULATION.
5. METAL DECK.
6. CONT. STEEL BENT PLATE BOLTED TO WALL.
7. METAL ROOFING.

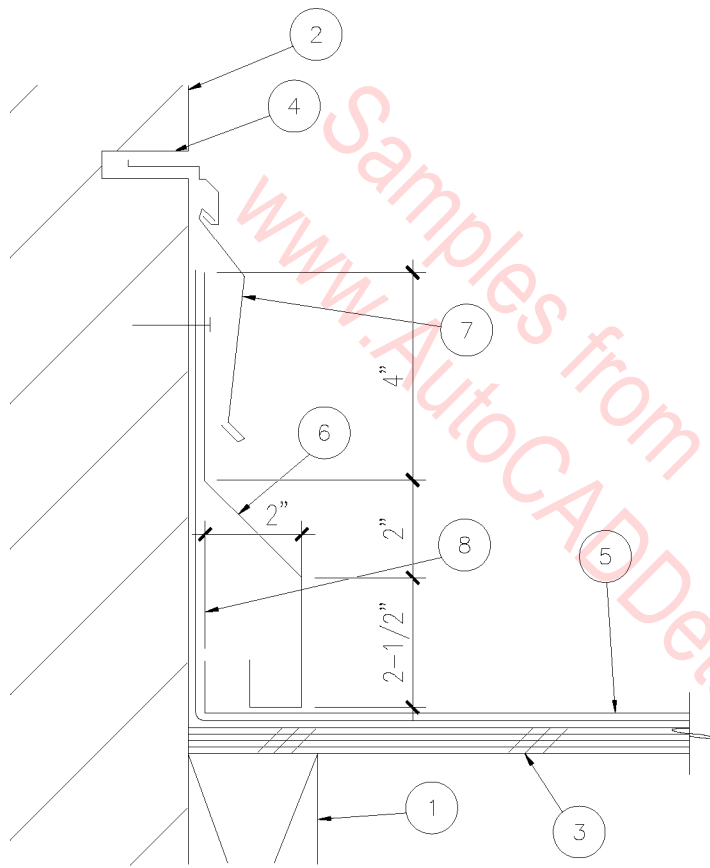


## METAL ROOF FLASHING

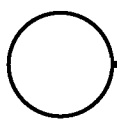
SCALE: 1" = 1'-0"

07C-5013





1. LEDGER.
2. MASONRY WALL.
3. PLYWOOD DECK.
4. 1-1/2" DEEP X 3/8" WIDE SAWCUT, CONTINUOUS PARALLEL TO PLANE OF ROOF.
5. METAL ROOFING SYSTEM.
6. METAL FLASHING BY METAL ROOFING MANUFACTURER.
7. REGLET AND COUNTERFLASHING.
8. 40 MIL ELASTOMERIC MEMBRANE.

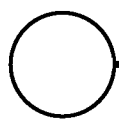
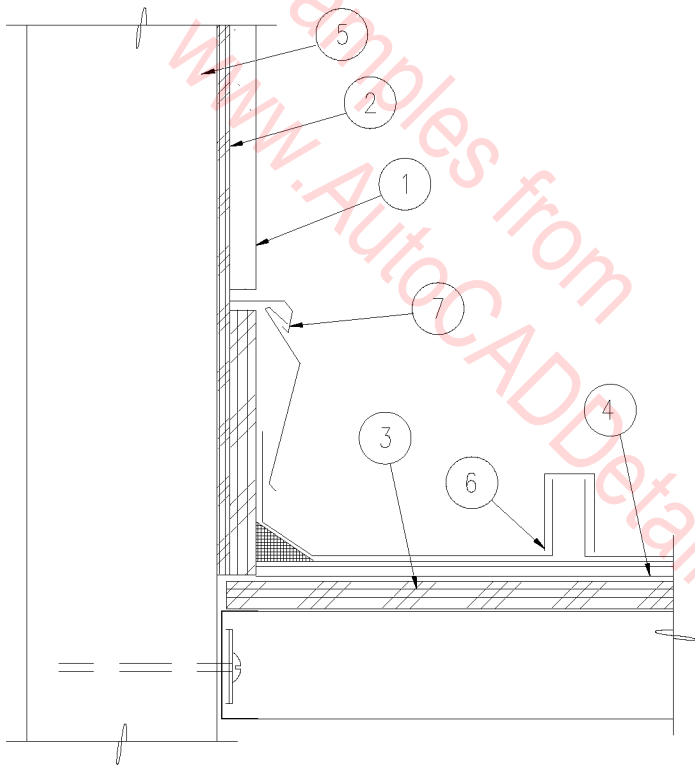


## FLASHING DETAIL

SCALE: 1" = 1'-0"

07C-5014

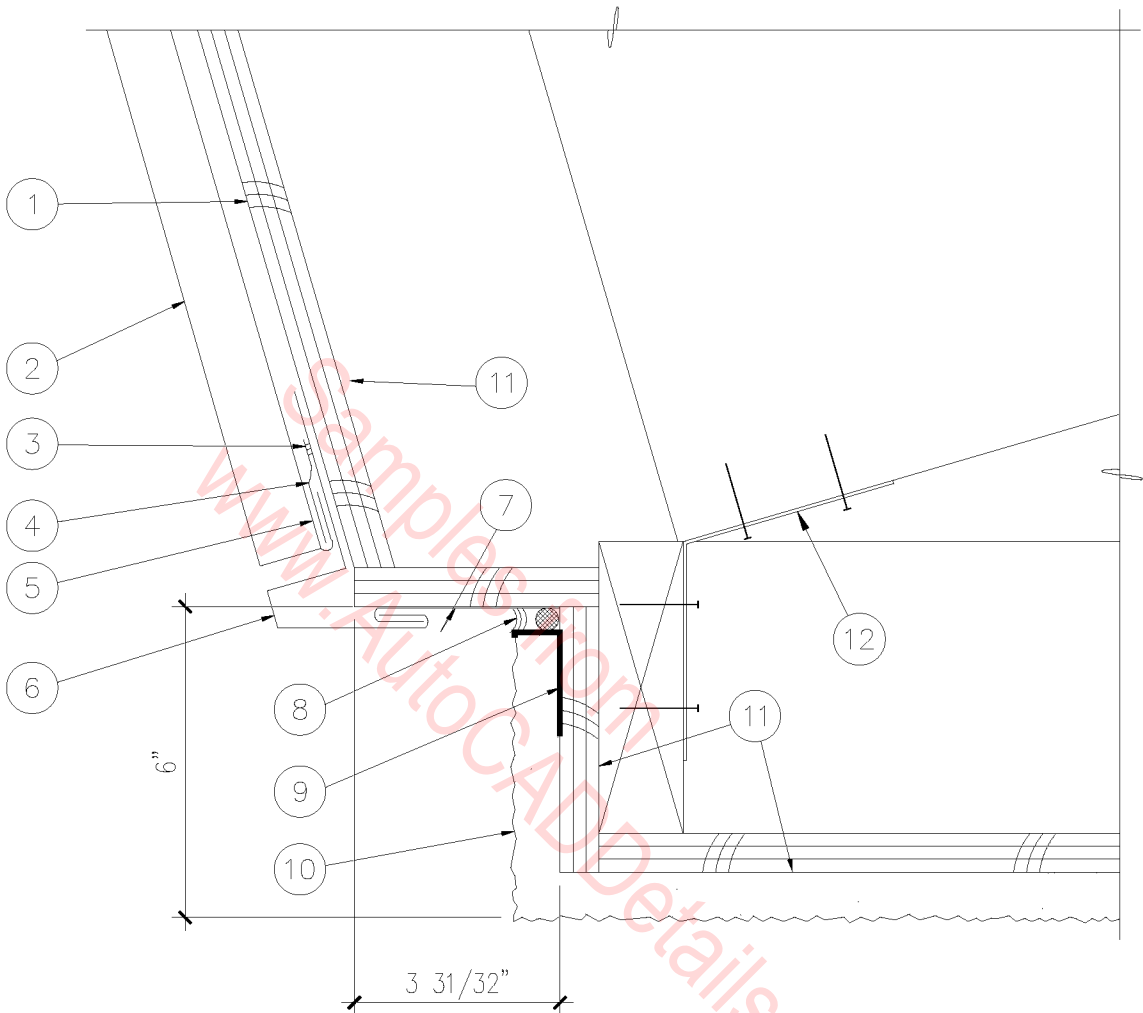
1. CEMENT 3/4" PLASTER.
2. 3/8" FIRE TREATED PLYWOOD SHEATHING.
3. 3/4" FIRE TREATED PLYWOOD SHEATHING.
4. 5/8" GYP. BOARD.
5. METAL STUD FRAMING.
6. METAL ROOFING.
7. REGLET AND FLASHING.



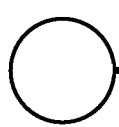
## METAL ROOF

SCALE: 1 1/2" = 1'-0"

07C-5015



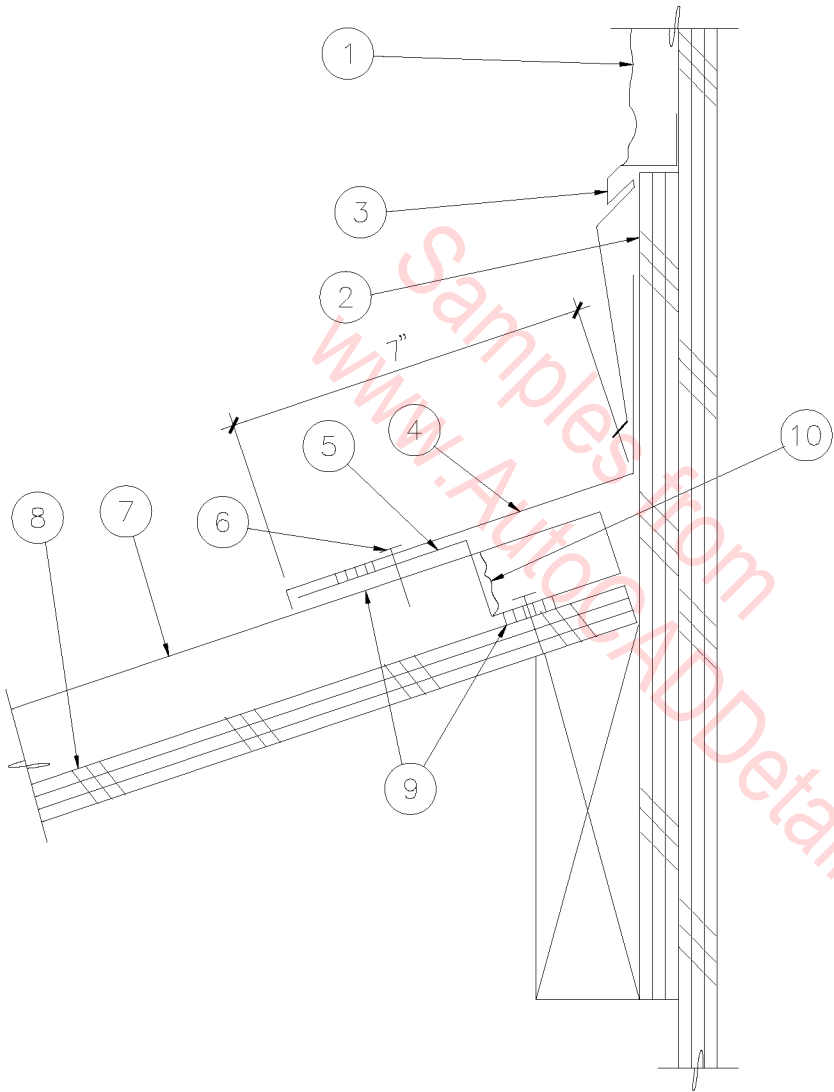
- |  |  |
|--|--|
| 1. PLYWOOD SHEATHING.  | 6. METAL DRIP FLASHING.                |
| 2. STANDING SEAM PANEL SYSTEM.   | 7. METAL SOFFIT TRIM.                  |
| 3. CONT. TAPE SEALANT BETWEEN HOOK STRIP AND DRIP FLASHING. NAIL THROUGH POINT OF FLASHING AT 12" O.C. | 8. SEALANT & BACKER ROD.               |
| 4. METAL HOOK STRIP.   | 9. PLASTER CASING TRIM.                |
| 5. MODIFY PANEL END TO CREATE HOOK.  | 10. 3/4" CEMENT PLASTER ON METAL LATH. |
|  | 11. FACE OF FASCIA FRAMING.            |
|  | 12. SIMPSON A35 ANGLE CLIP.            |



# METAL ROOF FASCIA

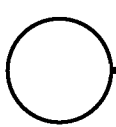
3" = 1'-0"

07C-5016



1. CEMENT PLASTER ON METAL LATH & PLYWOOD SHEATHING OVER 2X WOOD FRAMING.
2. PLYWOOD BLOCKING.
3. METAL COUNTERFLASHING.
4. METAL FLASHING.
5. METAL Z-CLOSURE.
6. POP RIVET FLASHING TO Z-CLOSURE AT 24" O.C. MAX.
7. STANDING SEAM ROOF PANEL SYSTEM.
8. PLYWOOD ROOF DECK.
9. CONT. TAPE SEALANT BETWEEN FLASHING & Z-CLOSURE, AND BETWEEN Z-CLOSURE & ROOF PANEL.
10. CAULK BACK SIDE OF Z-CLOSURE AGAINST STANDING SEAM.

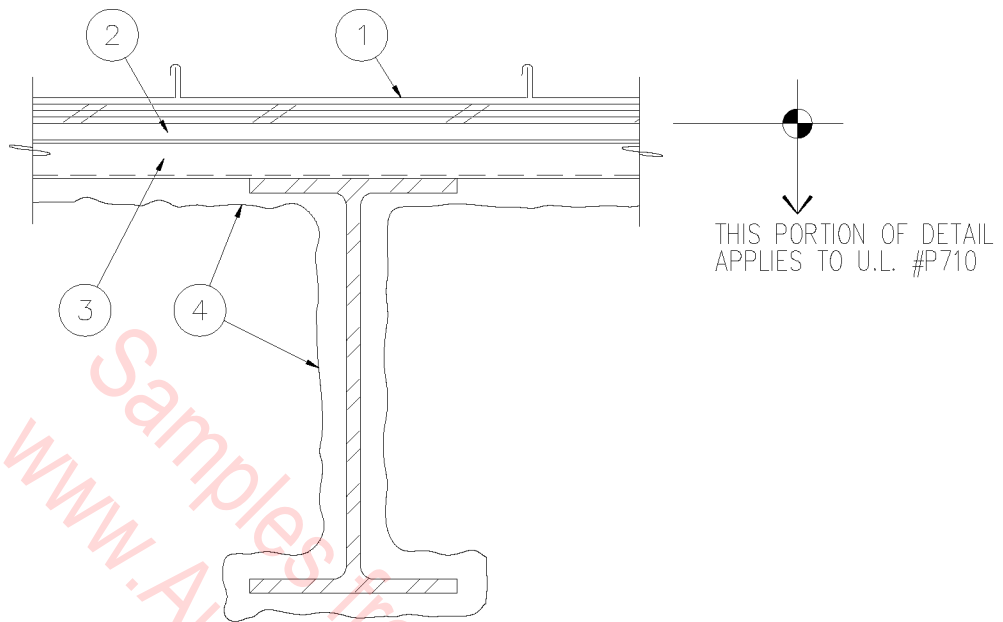
NOTE: ALL METAL REGLETS, FLASHING, COUNTERFLASHING AND Z-CLOSURES TO BE FINISHED TO MATCH ROOF PANEL SYSTEM.



# METAL ROOF AT WALL

SCALE: 3" = 1'-0"

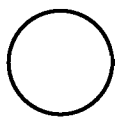
07C-5017



1. METAL ROOF SYSTEM OVER PLYWOOD DECK.
2. 5/8" TYPE 'X' GYP. BOARD IN 4 FT. WIDE SHEETS INSTALLED PERPENDICULAR TO STEEL ROOF DECK WITH JOINTS STAGGERED AND OCCURRING OVER THE CRESTS OF ROOF DECK. SECURE TO DECK WITH ADHESIVE BEARING U.L. CLASSIFICATION MARKING.
3. 1-1/2" MINIMUM THICKNESS STEEL ROOF DECK.
4. CEMENTITIOUS SPRAYED-ON FIRE-PROOFING - MINIMUM 7/8" THICK OVER BOTH STEEL BEAM AND STEEL DECK.

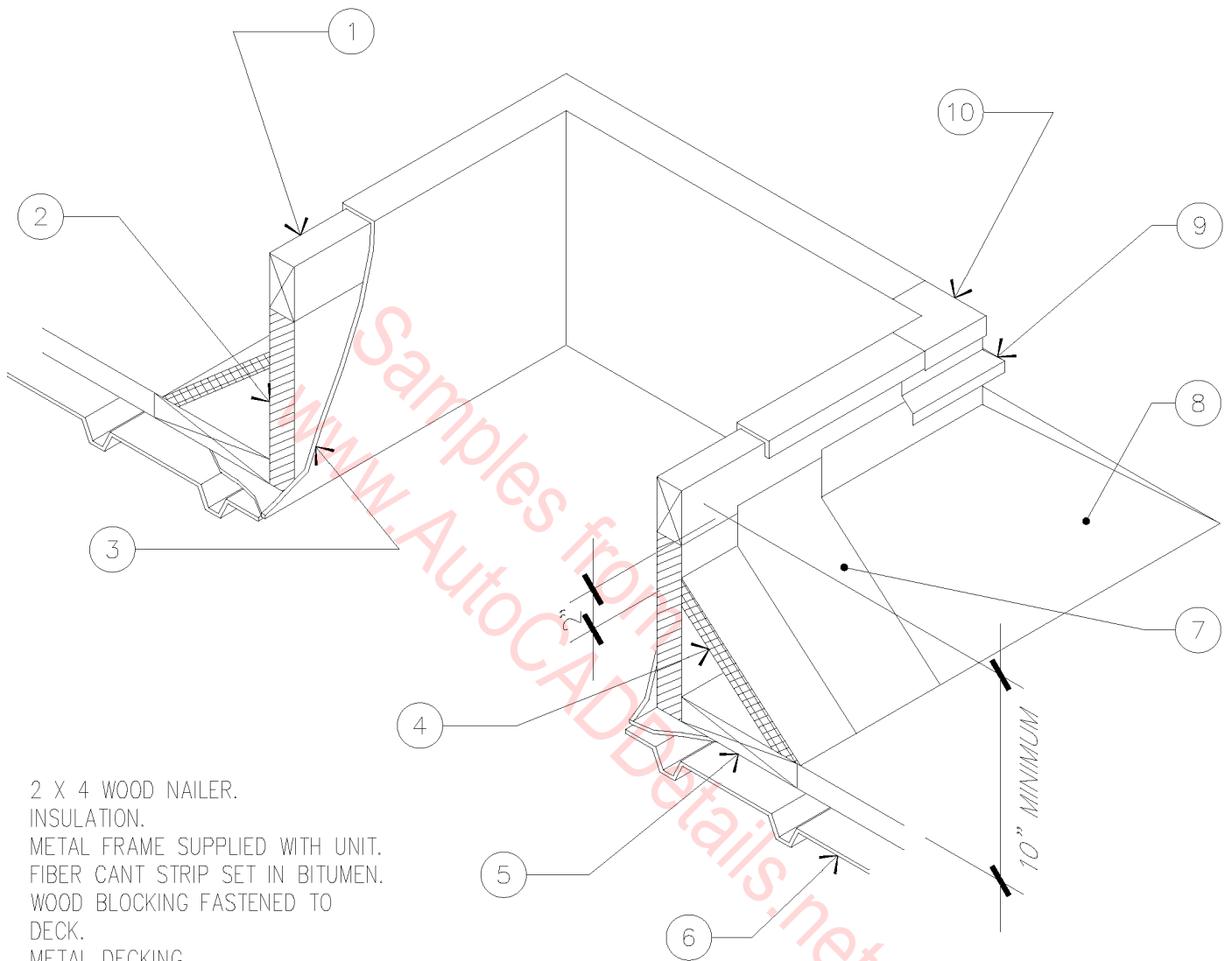
NOTE: DETAIL PROVIDES ONE-HOUR FIRE RESISTIVE RATING FOR BEAM AND DECK PER U.L. #P710.

# FIRE RESISTANT BEAM @ DECK

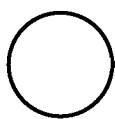


3" = 1'-0"

07C-5018



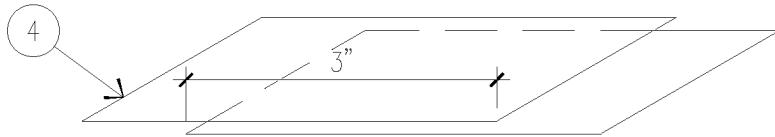
1. 2 X 4 WOOD NAILER.
2. INSULATION.
3. METAL FRAME SUPPLIED WITH UNIT.
4. FIBER CANT STRIP SET IN BITUMEN.
5. WOOD BLOCKING FASTENED TO DECK.
6. METAL DECKING.
7. BASE FLASHING.
8. COUNTERFLASHING EXTENDED DOWN TO PROTECT AGAINST FOOT DAMAGE.
9. COUNTERFLASHING FASTENED APPROXIMATELY 18" O.C.
10. FLASHING RECEIVER.



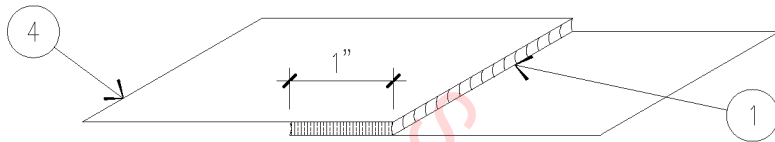
## EQUIPMENT CURB

1" = 1'-0"

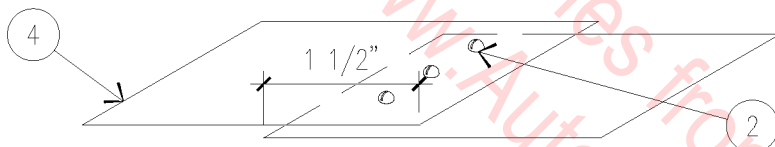
07C-5019



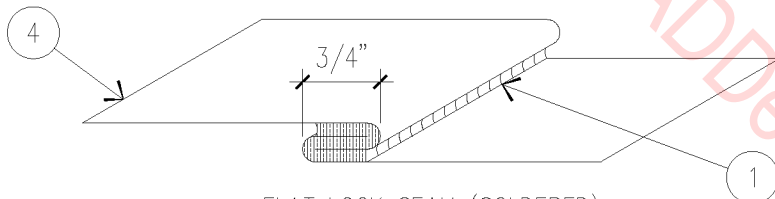
LAP SEAM



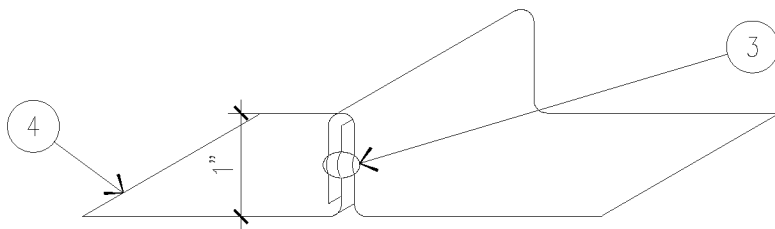
LAP SEAM (SOLDERED)



LAP SEAM (RIVETED)

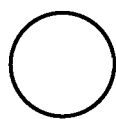


FLAT LOCK SEAM (SOLDERED)



SINGLE LOCK STANDING SEAM

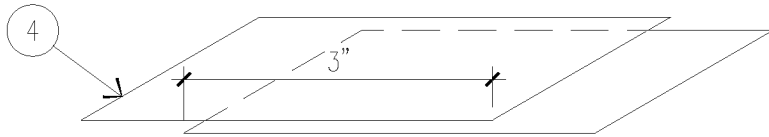
1. SOLDER.
2. RIVET.
3. BUTTON PUNCH.
4. COPPER ROOFING.



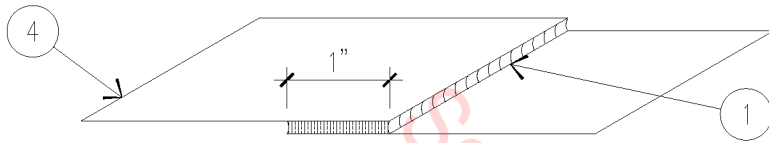
# COPPER ROOFING SEAMS

N.T.S.

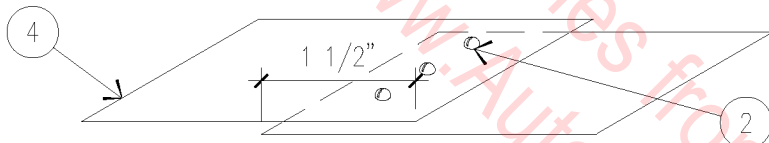
07C-5020



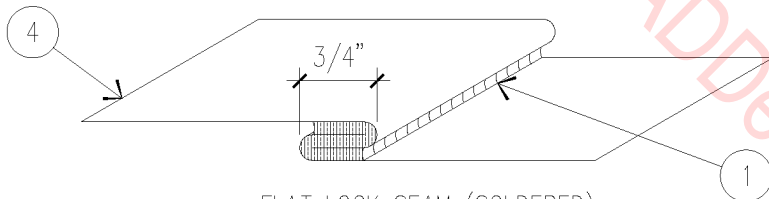
LAP SEAM



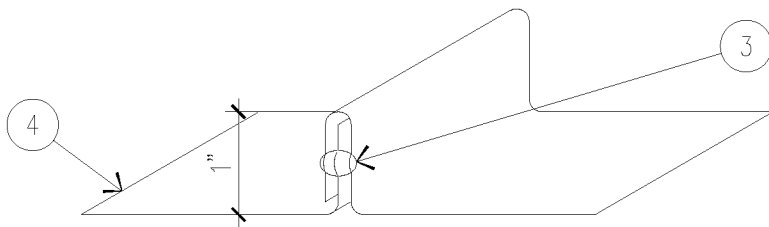
LAP SEAM (SOLDERED)



LAP SEAM (RIVETED)

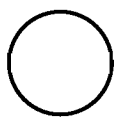


FLAT LOCK SEAM (SOLDERED)



SINGLE LOCK STANDING SEAM

1. SOLDER.
2. RIVET.
3. BUTTON PUNCH.
4. COPPER ROOFING.

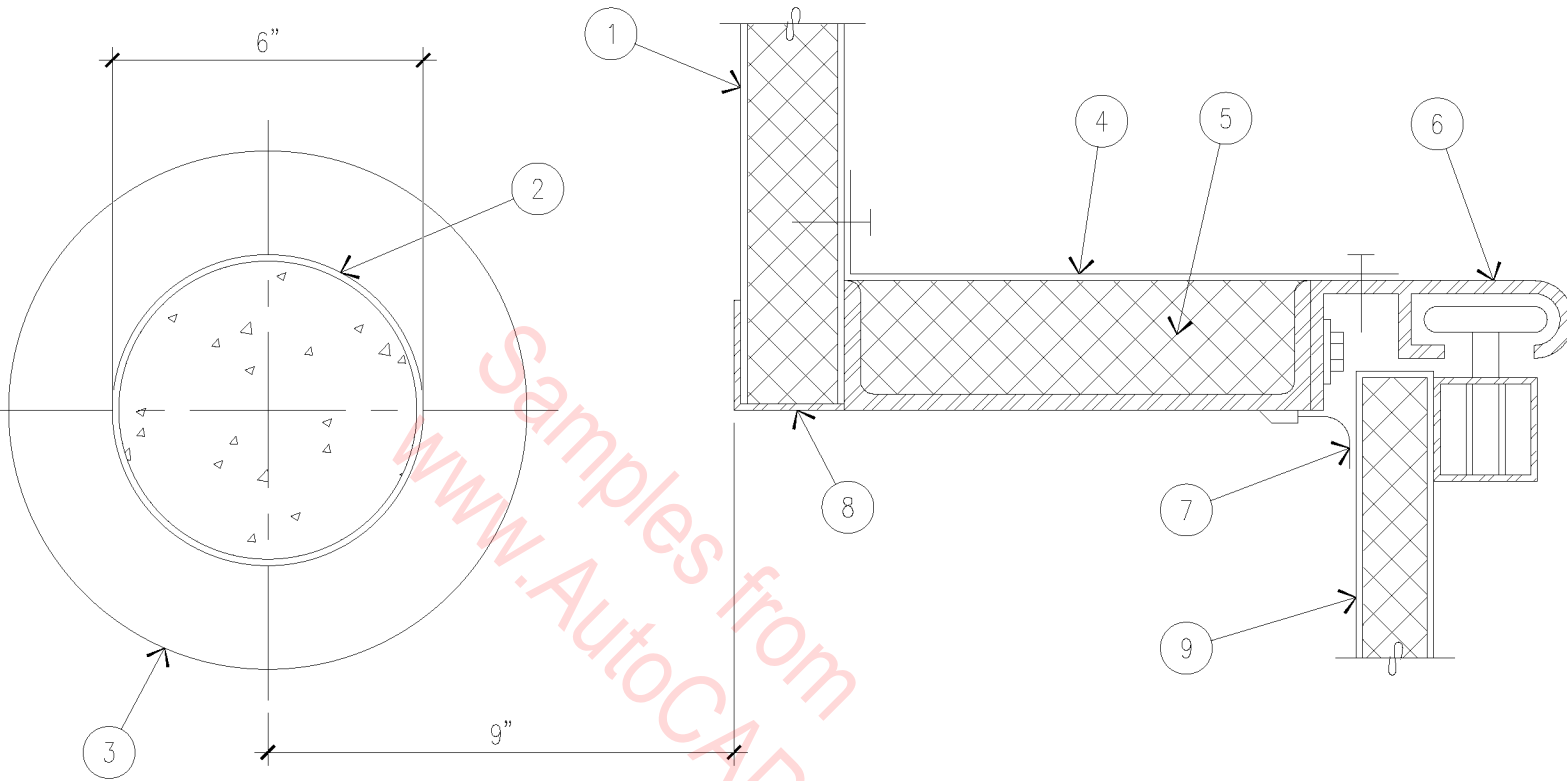


# COPPER ROOFING SEAMS

N.T.S.

07C-5020



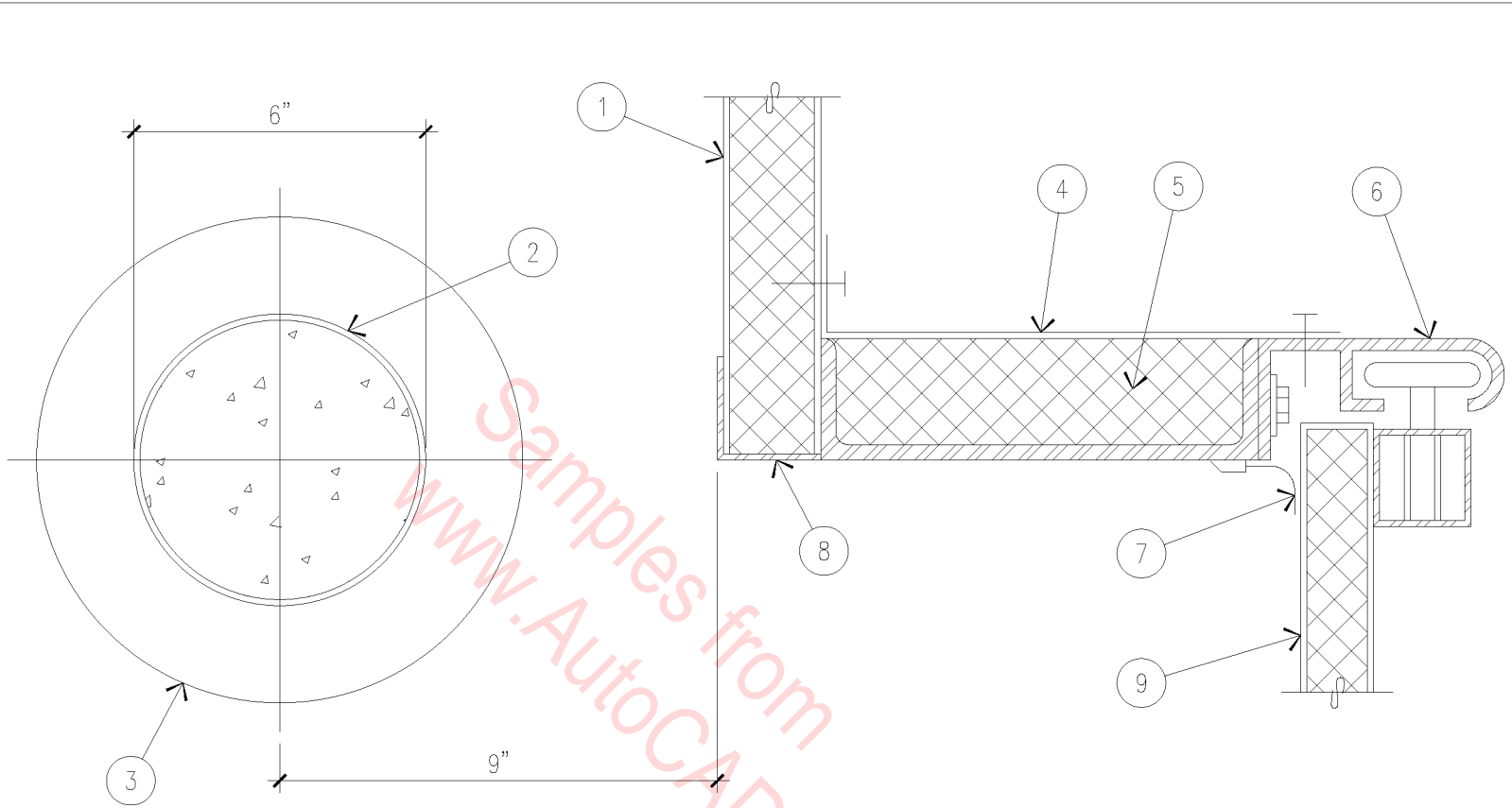


1. METAL WALL PANEL.
2. 6" Ø STEEL PIPE GUARD FILLED WITH CONCRETE.
3. EXPANSION JOINT BELOW.
4. 20 GAUGE SHEET METAL CLOSURE.
5. R-10 RIGID INSULATION.
6. GUIDE TRACK.
7. PERIMETER WEATHERSTRIPPING.
8. WALL PANEL JAMB TRIM.
9. INSULATED OVERHEAD SECTIONAL DOOR.

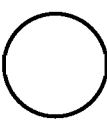
SECTIONAL DOOR JAMB

3" = 1'-0"

07C-5021



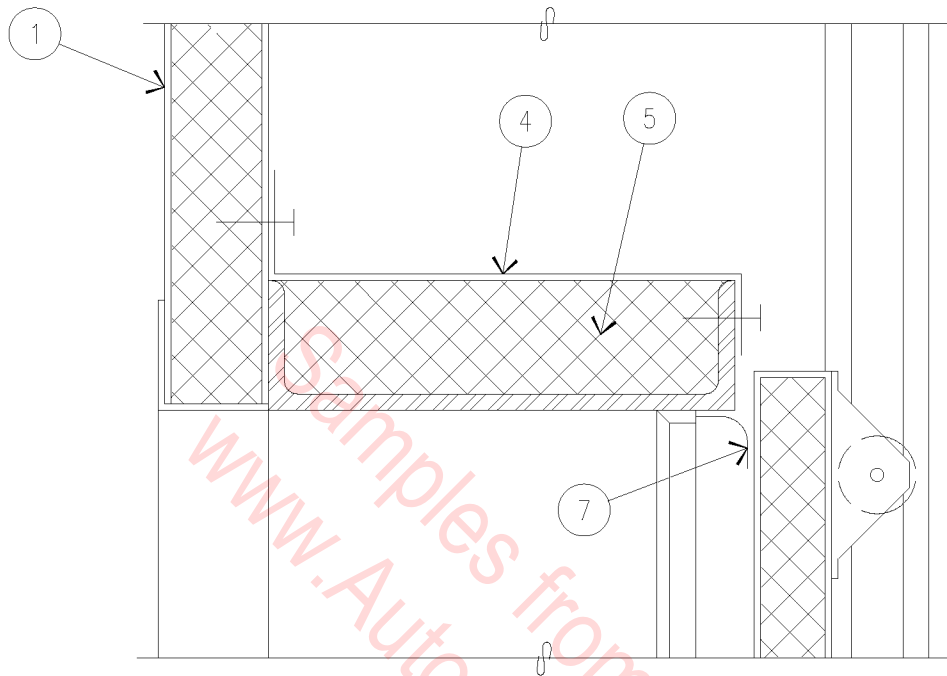
1. METAL WALL PANEL.
2. 6" Ø STEEL PIPE GUARD FILLED WITH CONCRETE.
3. EXPANSION JOINT BELOW.
4. 20 GAUGE SHEET METAL CLOSURE.
5. R-10 RIGID INSULATION.
6. GUIDE TRACK.
7. PERIMETER WEATHERSTRIPPING.
8. WALL PANEL JAMB TRIM.
9. INSULATED OVERHEAD SECTIONAL DOOR.



# SECTIONAL DOOR JAMB

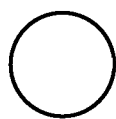
3" = 1'-0"

07C-5021



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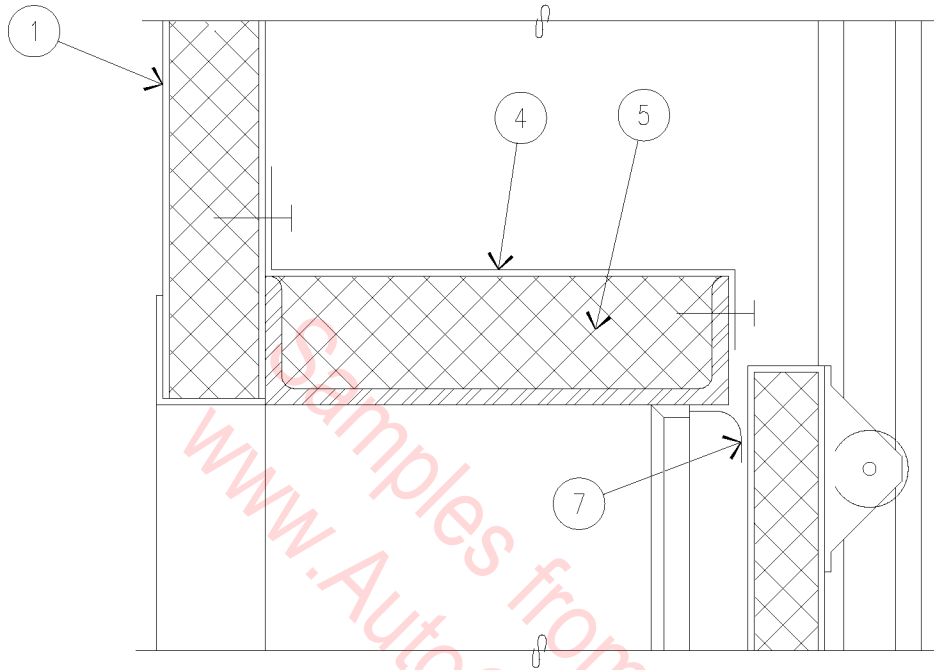
1. METAL WALL PANEL.
2. 6" Ø STEEL PIPE GUARD  
FILLED WITH CONCRETE.
3. EXPANSION JOINT BELOW.
4. 20 GAUGE SHEET METAL  
CLOSURE.
5. R-10 RIGID INSULATION.
6. ?
7. PERIMETER WEATHERSTRIPPING.
8. WALL PANEL JAMB TRIM.
9. INSULATED OVERHEAD  
SECTIONAL DOOR.



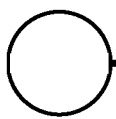
## SECTIONAL DOOR JAMB

3" = 1'-0"

07C-5022



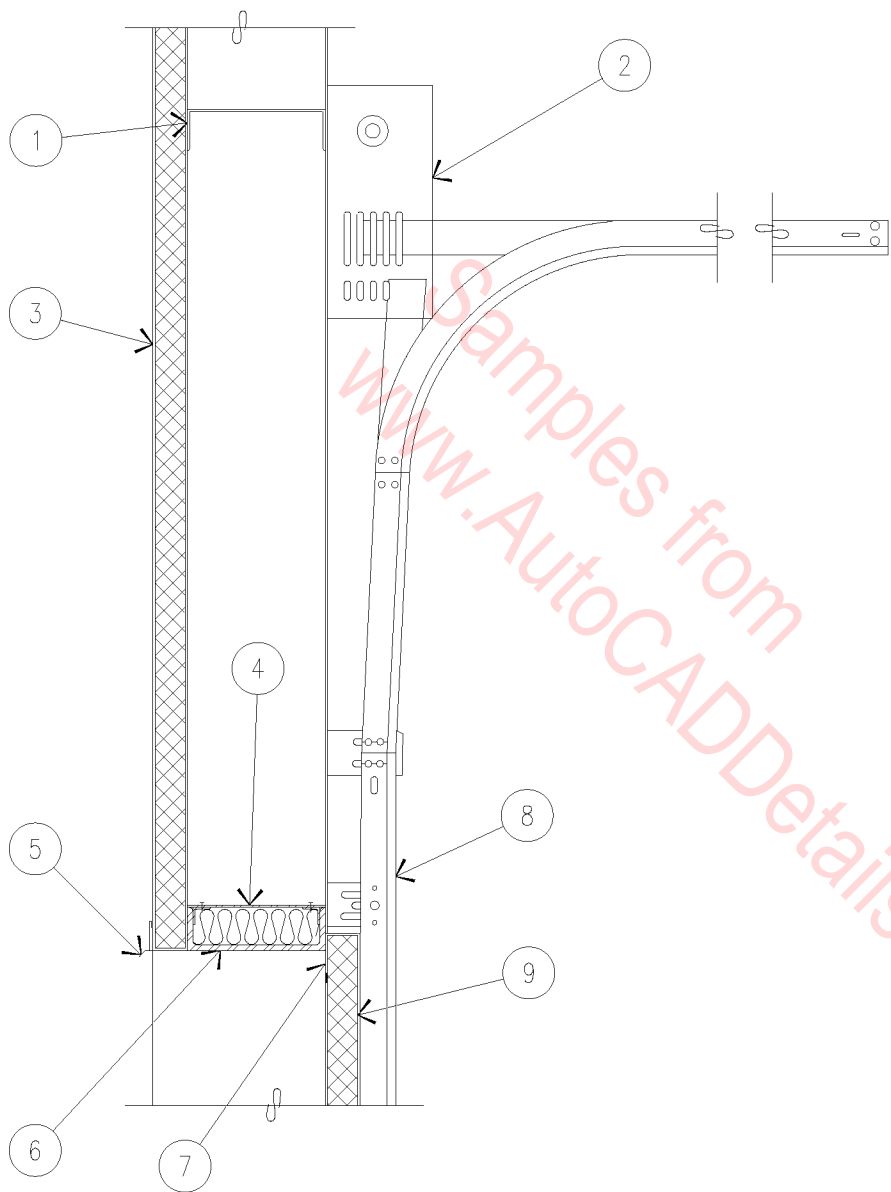
1. METAL WALL PANEL.
2. 6" Ø STEEL PIPE GUARD  
FILLED WITH CONCRETE.
3. EXPANSION JOINT BELOW.
4. 20 GAUGE SHEET METAL  
CLOSURE.
5. R-10 RIGID INSULATION.
6. ?
7. PERIMETER WEATHERSTRIPPING.
8. WALL PANEL JAMB TRIM.
9. INSULATED OVERHEAD  
SECTIONAL DOOR.



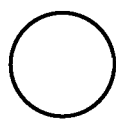
## SECTIONAL DOOR JAMB

3" = 1'-0"

07C-5022



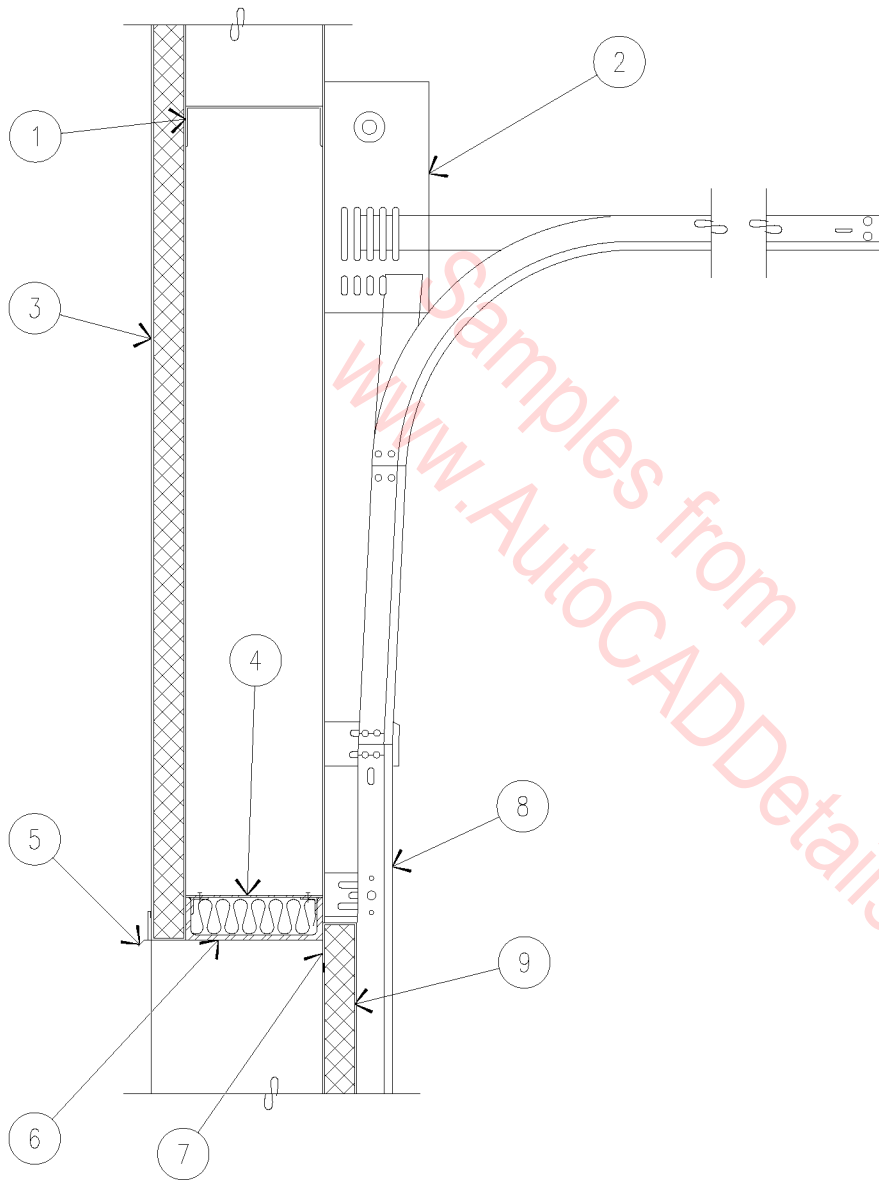
1. STEEL GIRT.
2. TORSION SPRING ASSEMBLY.
3. INSULATED METAL WALL PANEL.
4. SHEET METAL CLOSURE, PAINT TO MATCH WALL PANELS, FILL VOID WITH BATT INSULATION.
5. METAL HEAD FLASHING WITH DRIP.
6. STEEL GIRT PAINTED TO MATCH EDGE TRIM.
7. WEATHER SEAL AT HEAD.
8. STEEL SECTIONAL.
9. INSULATED STEEL SECTIONAL DOOR.



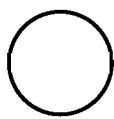
# SECTIONAL DOOR HEAD

1" = 1'-0"

07C-5023



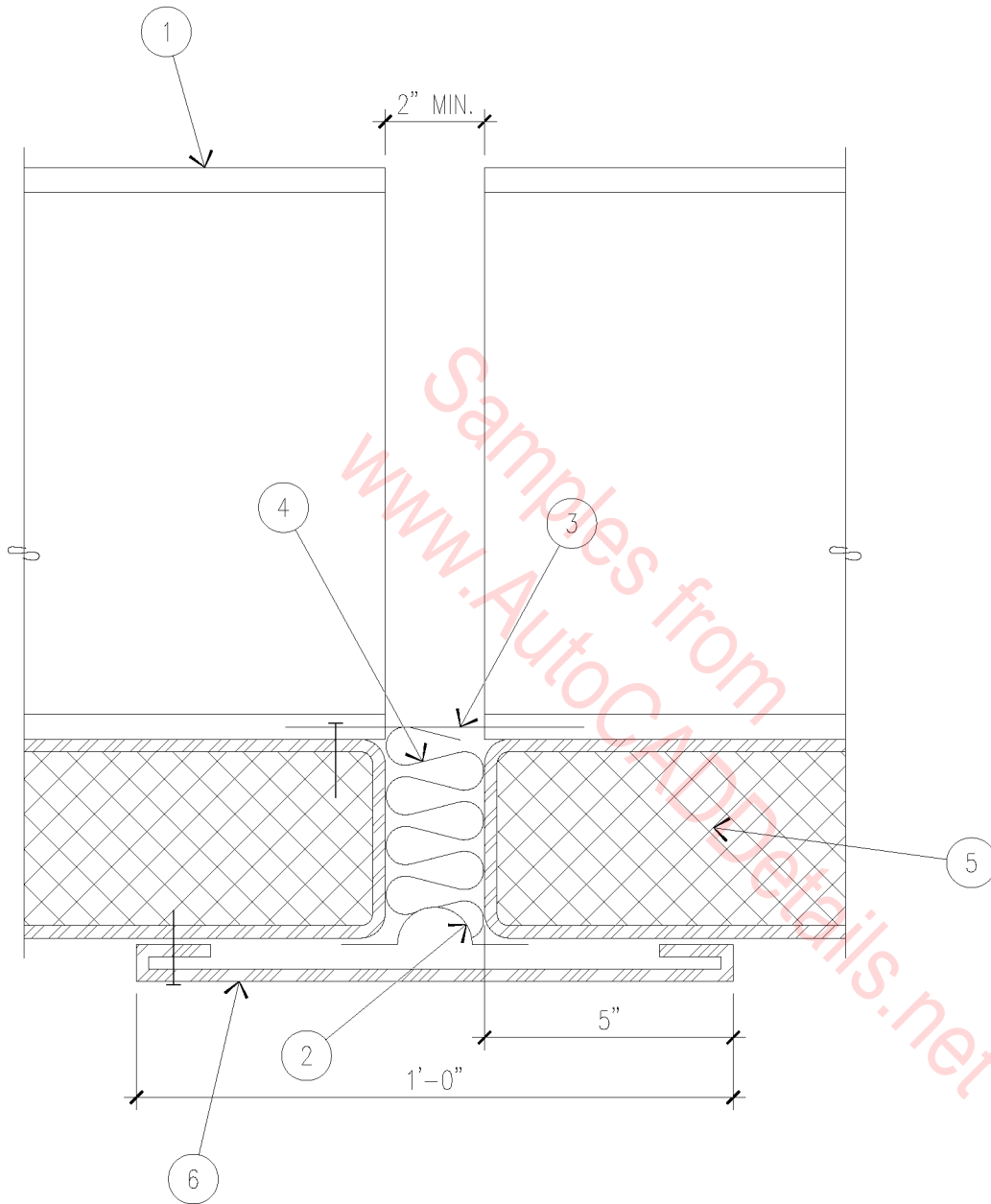
1. STEEL GIRT.
2. TORSION SPRING ASSEMBLY.
3. INSULATED METAL WALL PANEL.
4. SHEET METAL CLOSURE, PAINT TO MATCH WALL PANELS, FILL VOID WITH BATT INSULATION.
5. METAL HEAD FLASHING WITH DRIP.
6. STEEL GIRT PAINTED TO MATCH EDGE TRIM.
7. WEATHER SEAL AT HEAD.
8. STEEL SECTIONAL.
9. INSULATED STEEL SECTIONAL DOOR.



## SECTIONAL DOOR HEAD

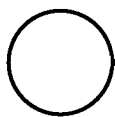
1" = 1'-0"

07C-5023



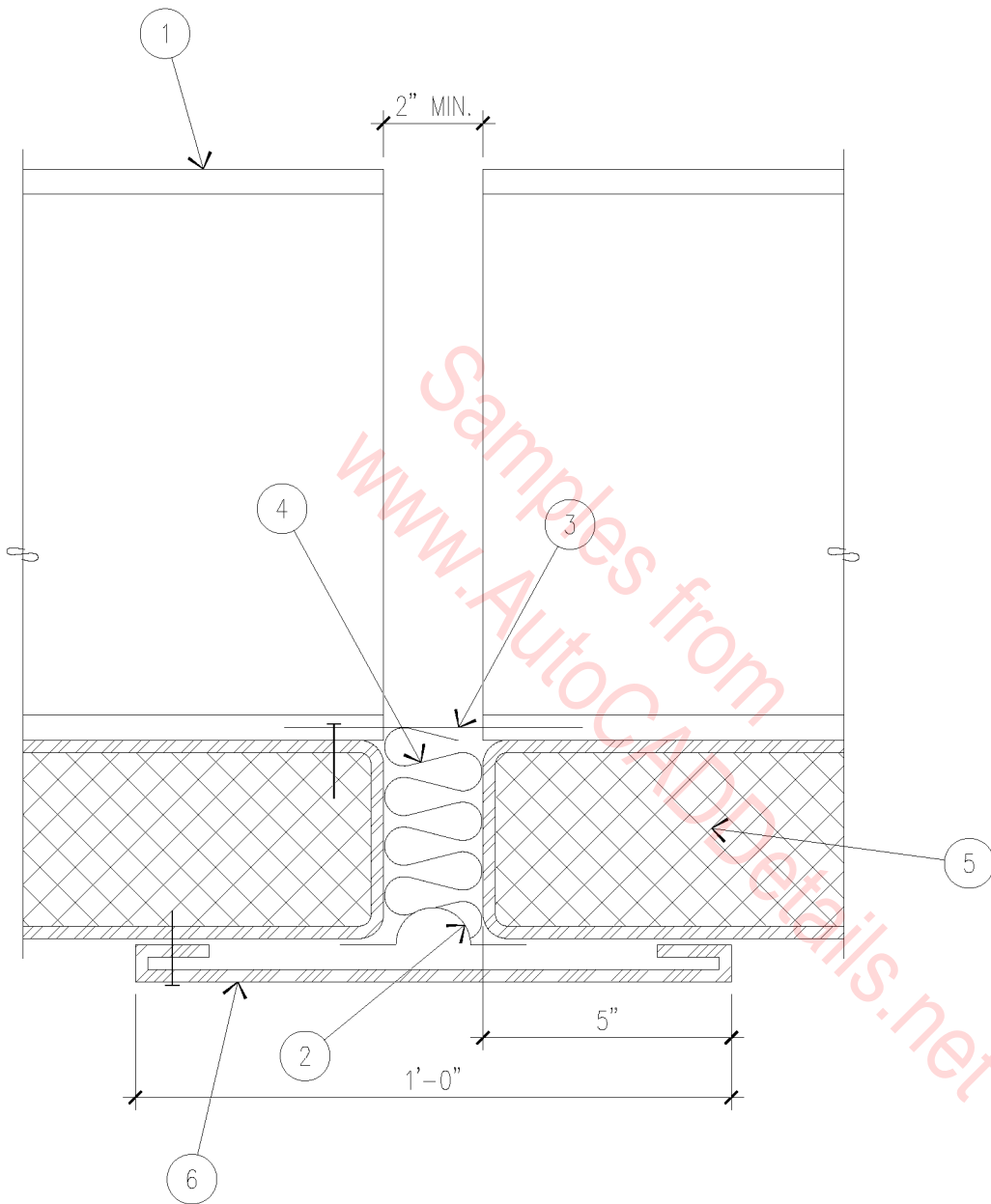
1. STEEL GIRT BELOW – SEE STRUCTURAL.
2. ELASTOMERIC BELLOWS.
3. SHEET METAL CLOSURE – FASTEN TO ONE SIDE ONLY.
4. FIBERGLASS BATT INSULATION.
5. INSULATED METAL WALL PANEL.
6. PREFINISHED ALUMINUM EXPANSION JOINT COVER – FASTEN TO ONE SIDE ONLY, MATCH WALL COLOR.

## WALL PANEL EXPANSION JOINT



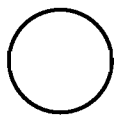
3" = 1'-0"

07C-5024



1. STEEL GIRT BELOW – SEE STRUCTURAL.
2. ELASTOMERIC BELLOWS.
3. SHEET METAL CLOSURE – FASTEN TO ONE SIDE ONLY.
4. FIBERGLASS BATT INSULATION.
5. INSULATED METAL WALL PANEL.
6. PREFINISHED ALUMINUM EXPANSION JOINT COVER – FASTEN TO ONE SIDE ONLY, MATCH WALL COLOR.

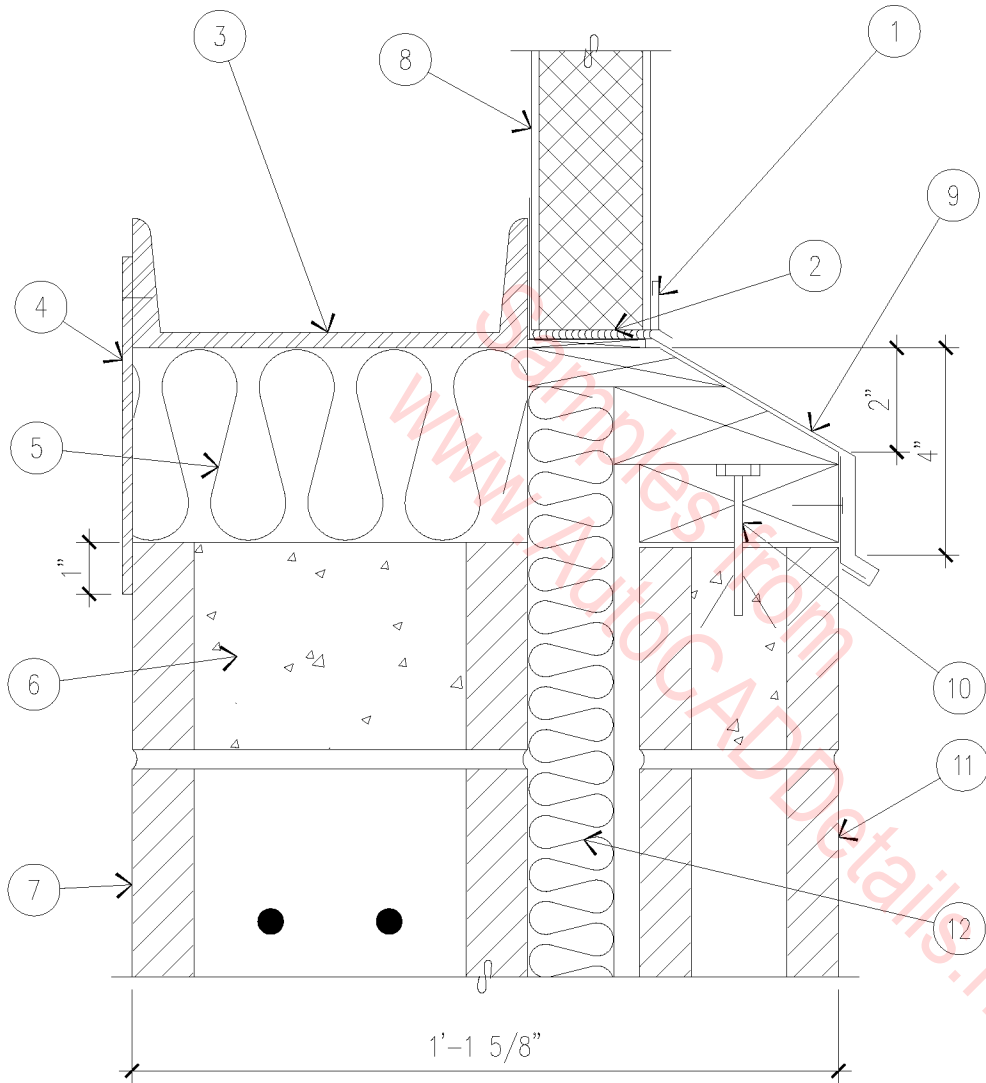
## WALL PANEL EXPANSION JOINT



3" = 1'-0"

07C-5024

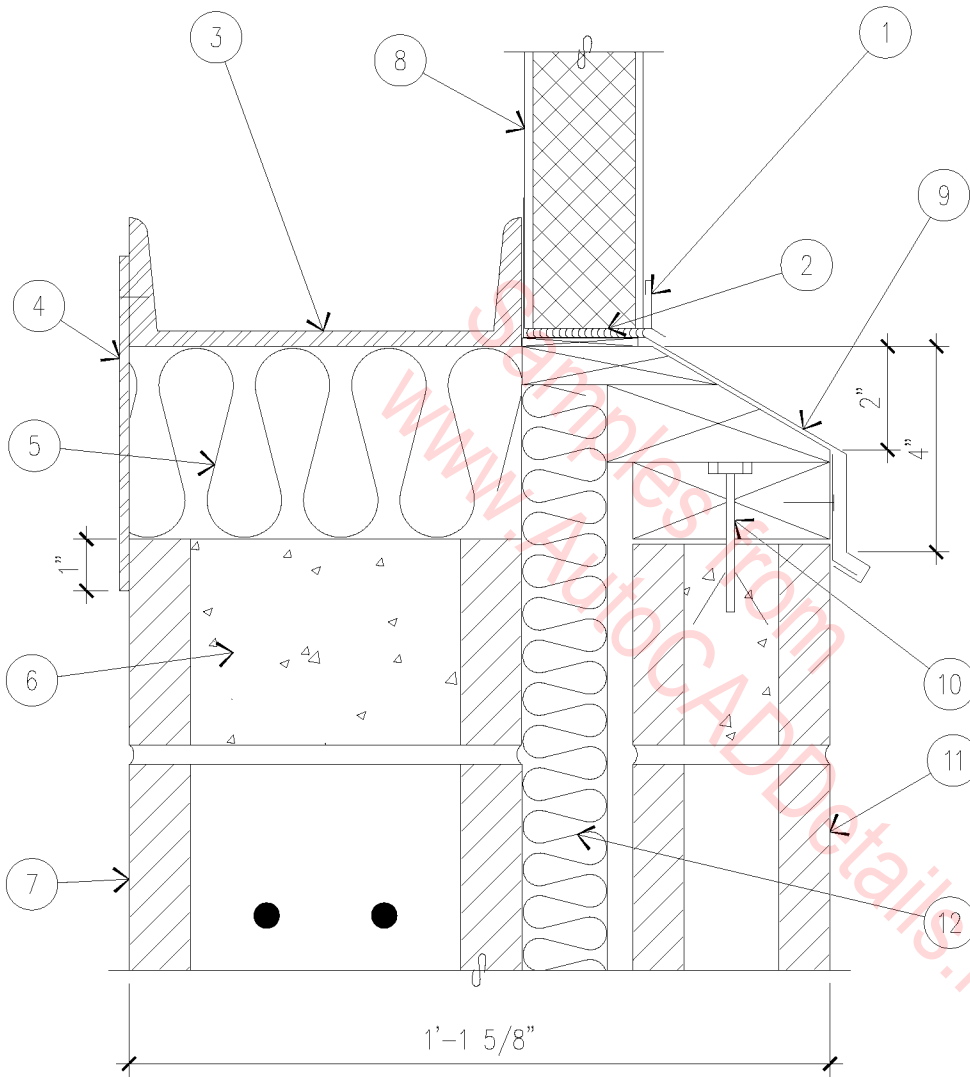




1. ALUMINUM BASE FLASHING WITH DRIP EDGE.
2. SEALANT NO. 2 OR 4.
3. STEEL GIRT – TYPICAL POSITION WHERE WINDOWS DO NOT EXIST.
4. 16 GAUGE GALVANIZED SHEET METAL CLOSURE, PAINT TO MATCH C.M.U. WAINSCOT.
5. FILL VOID WITH FIBERGLASS INSULATION.
6. 8" C.M.U. BLOCK CUT TO 4", GROUTED FULL.
7. 8" C.M.U. WAINSCOT.
8. FACTORY FINISHED INSULATED METAL WALL PANEL.
9. ALUMINUM SILL FLASHING WITH DRIP ANCHOR WITH CONTINUOUS HOLD DOWN CLIP AT DRIP EDGE.
10. TREATED WOOD BLOCKING ANCHORED TO 4" C.M.U. WITH 3/8" EXPANDING BOLTS AT 16" O.C. (TYPICAL).
11. 4" C.M.U. WAINSCOT.
12. R-11 BATT INSULATION.

○ C.M.U. WALL  
3" = 1'-0"

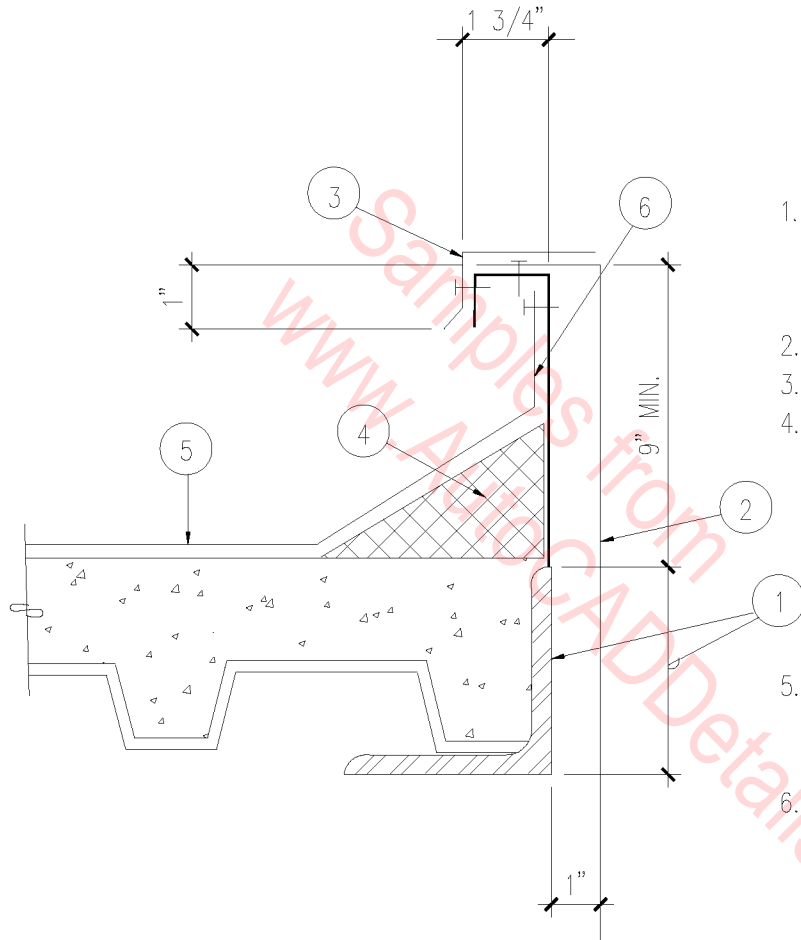
07C-5025



1. ALUMINUM BASE FLASHING WITH DRIP EDGE.
2. SEALANT NO. 2 OR 4.
3. STEEL GIRT – TYPICAL POSITION WHERE WINDOWS DO NOT EXIST.
4. 16 GAUGE GALVANIZED SHEET METAL CLOSURE, PAINT TO MATCH C.M.U. WAINSCOT.
5. FILL VOID WITH FIBERGLASS INSULATION.
6. 8" C.M.U. BLOCK CUT TO 4", GROUTED FULL.
7. 8" C.M.U. WAINSCOT.
8. FACTORY FINISHED INSULATED METAL WALL PANEL.
9. ALUMINUM SILL FLASHING WITH DRIP ANCHOR WITH CONTINUOUS HOLD DOWN CLIP AT DRIP EDGE.
10. TREATED WOOD BLOCKING ANCHORED TO 4" C.M.U. WITH 3/8" EXPANDING BOLTS AT 16" O.C. (TYPICAL).
11. 4" C.M.U. WAINSCOT.
12. R-11 BATT INSULATION.

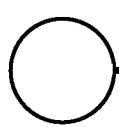
○ C.M.U. WALL  
3" = 1'-0"

07C-5025



- 1. ANGLE IRON FRAME ALL AROUND OPENING. TAPER TO CREATE LEVEL INSTALLATION.
- 2. METAL DUCT-SEE MECHANICAL.
- 3. FAN UNIT-SEE MECHANICAL.
- 4. 4" CANT STRIP.

- 5. MEMBRANE ROOFING OVER LIGHTWEIGHT FILL OVER 1 1/2" METAL DECKING.
- 6. 18 GA. SHEET METAL CURBING W/ 4" FLANGE. BOLT TO FRAME @ 12" O.C. ALL AROUND.

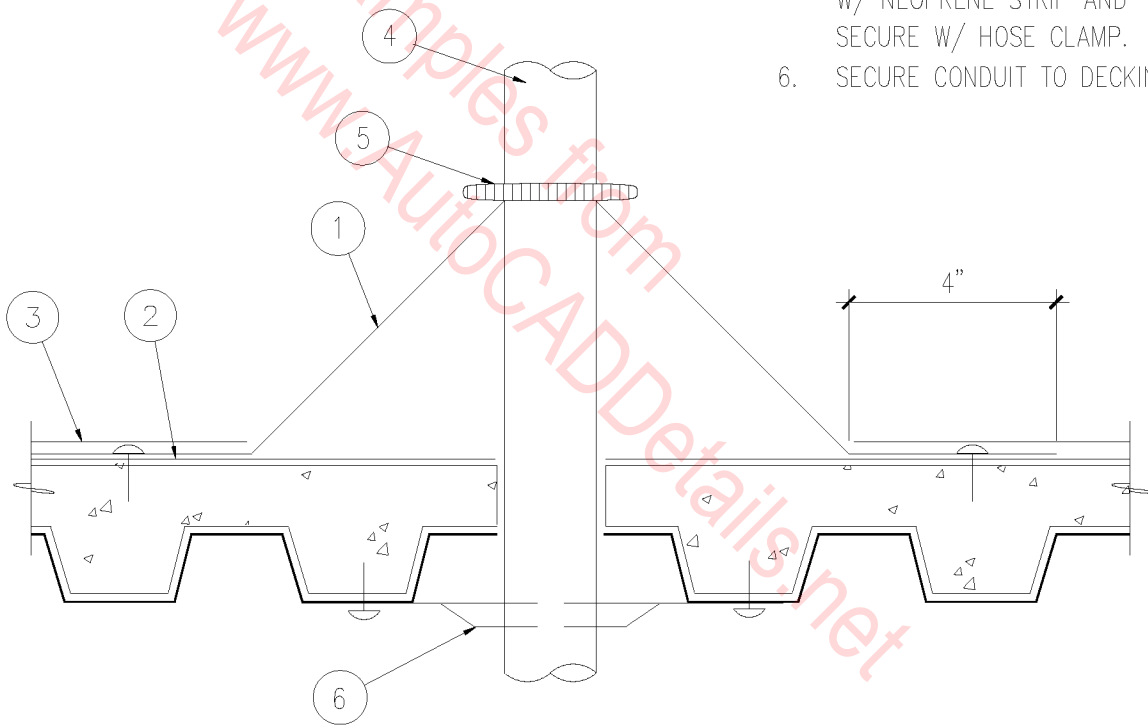


# EXHAUST FAN CURB

SCALE: 3" = 1'-0"

07C-8001

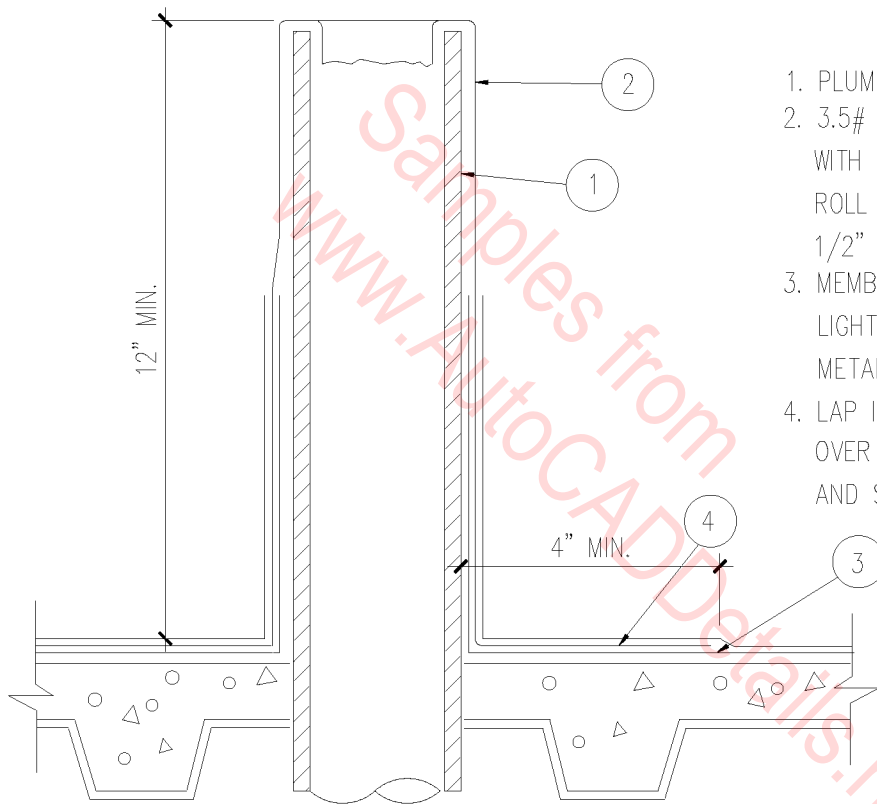
1. 24 GA SHEET METAL CONE W/ BASE PLATE.
2. MEMBRANE ROOFING OVER LIGHTWEIGHT FILL OVER 1 1/2" METAL DECKING.
3. LAP IN MEMBRANE ROOFING OVER BASE PLATE.
4. CONDUIT.
5. WRAP CONDUIT CONE CONNECTION W/ NEOPRENE STRIP AND SECURE W/ HOSE CLAMP.
6. SECURE CONDUIT TO DECKING.



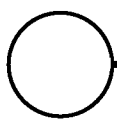
# ○ CONDUIT THROUGH ROOF

3" = 1'-0"

07C-8002



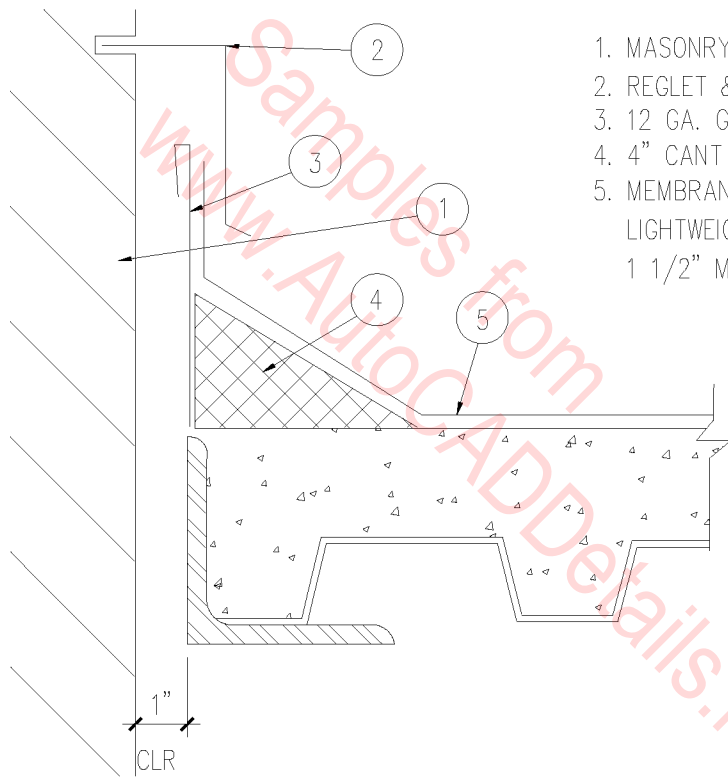
1. PLUMBING VENT PIPE.
2. 3.5# LEAD FLASHING SLEEVE WITH SQ. BASE PLATE. ROLL OVER INTO VENT PIPE 1/2" DEEP (MIN).
3. MEMBRANE ROOFING OVER LIGHTWEIGHT FILL OVER METAL DECK.
4. LAP IN ROOF MEMBRANE OVER LEAD BASE PLATE AND SEAL.



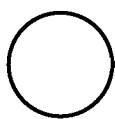
## VENT THRU ROOF

SCALE: 3" = 1'-0"

07C-8003



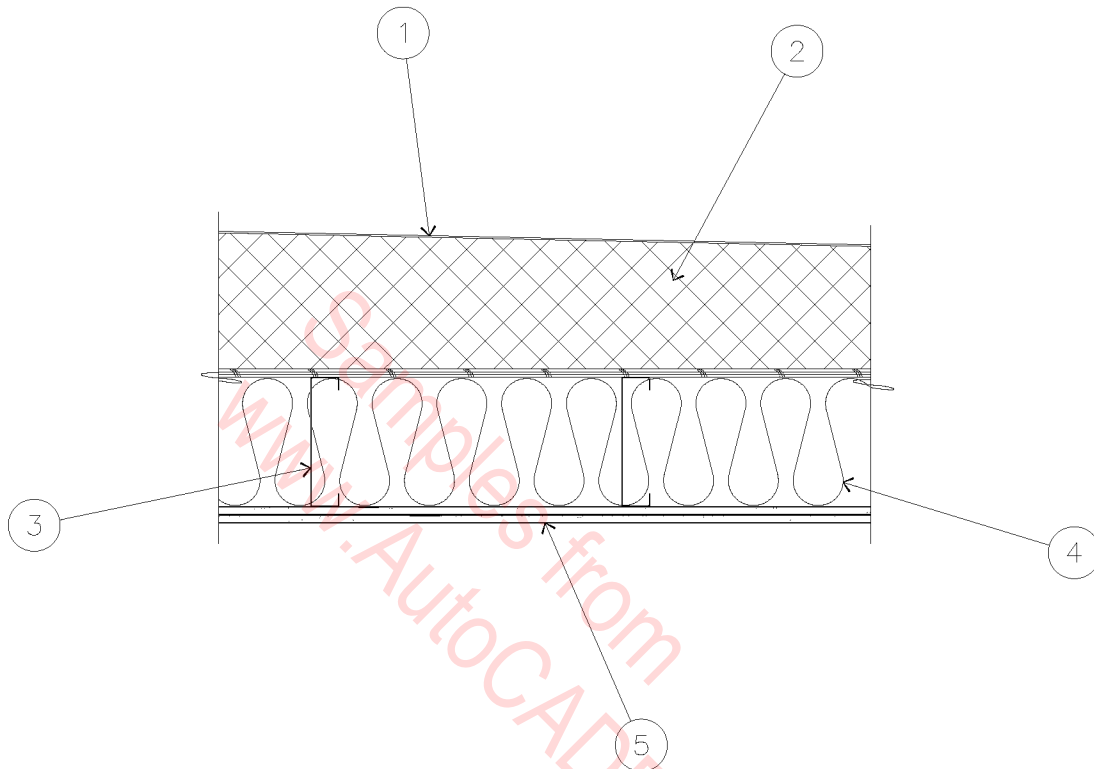
1. MASONRY WALL.
2. REGLET & COUNTER FLASHING.
3. 12 GA. GI CONT. FLASHING.
4. 4" CANT STRIP.
5. MEMBRANE ROOFING OVER  
LIGHTWEIGHT FILL OVER  
1 1/2" METAL DECKING.



# ROOFING EXPANSION JOINT

SCALE: 3" = 1'-0"

07C-8004

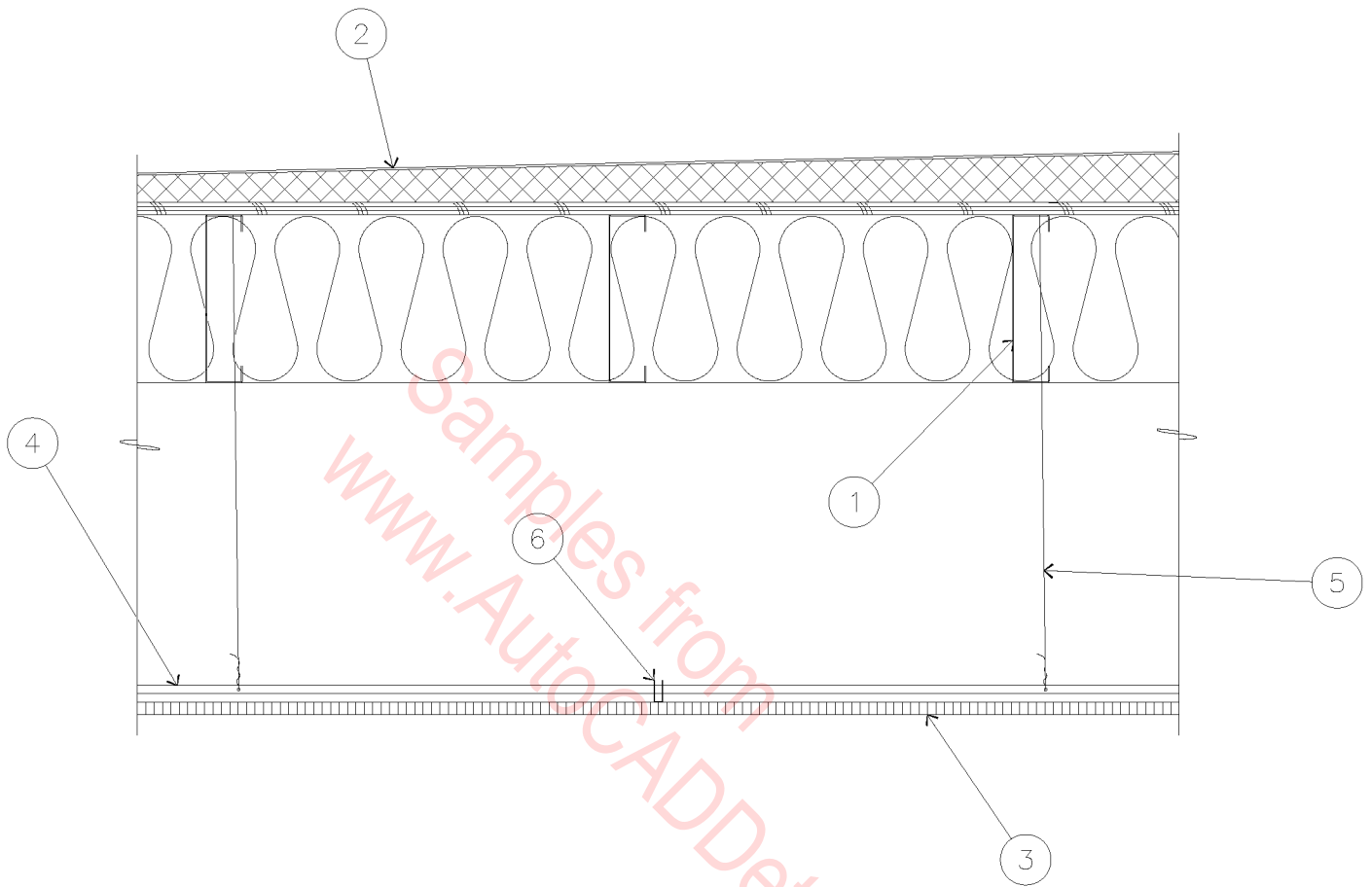


1. SINGLE PLY MEMBRANE ROOFING.
2. TAPERED RIGID INSULATION.
3. 10" X 16 GA. STEEL CHANNEL ROOF JOISTS.
4. FIBERGLASS BATT INSULATION.
5. 2 LAYERS 5/8" TYPE "X" GYPSUM BOARD. FIRE TAPE ALL JOINTS AND FASTENERS.

SIMILAR TO U.L. DESIGN NO. P512.

○ 1 HOUR CEILING  
 3/4" = 1'-0"

07C-8005



1. 10" X 16 GA. STEEL CHANNEL ROOF JOIST @ 24" O.C.
2. SINGLE PLY MEMBRANE ROOF OVER TAPERED INSULATION.
3. 24" X 24" LAY-IN ACOUSTICAL CEILING PANELS
4. STEEL SUSPENDED CEILING FRAMING MEMBERS.
5. 12 SWG GALVANIZED HANGER WIRE SPACED @ 48" O.C. ALONG MAIN RUNNERS.
6. 28 MSG SPRING STEEL HOLD DOWN CLIPS @ 24" O.C.

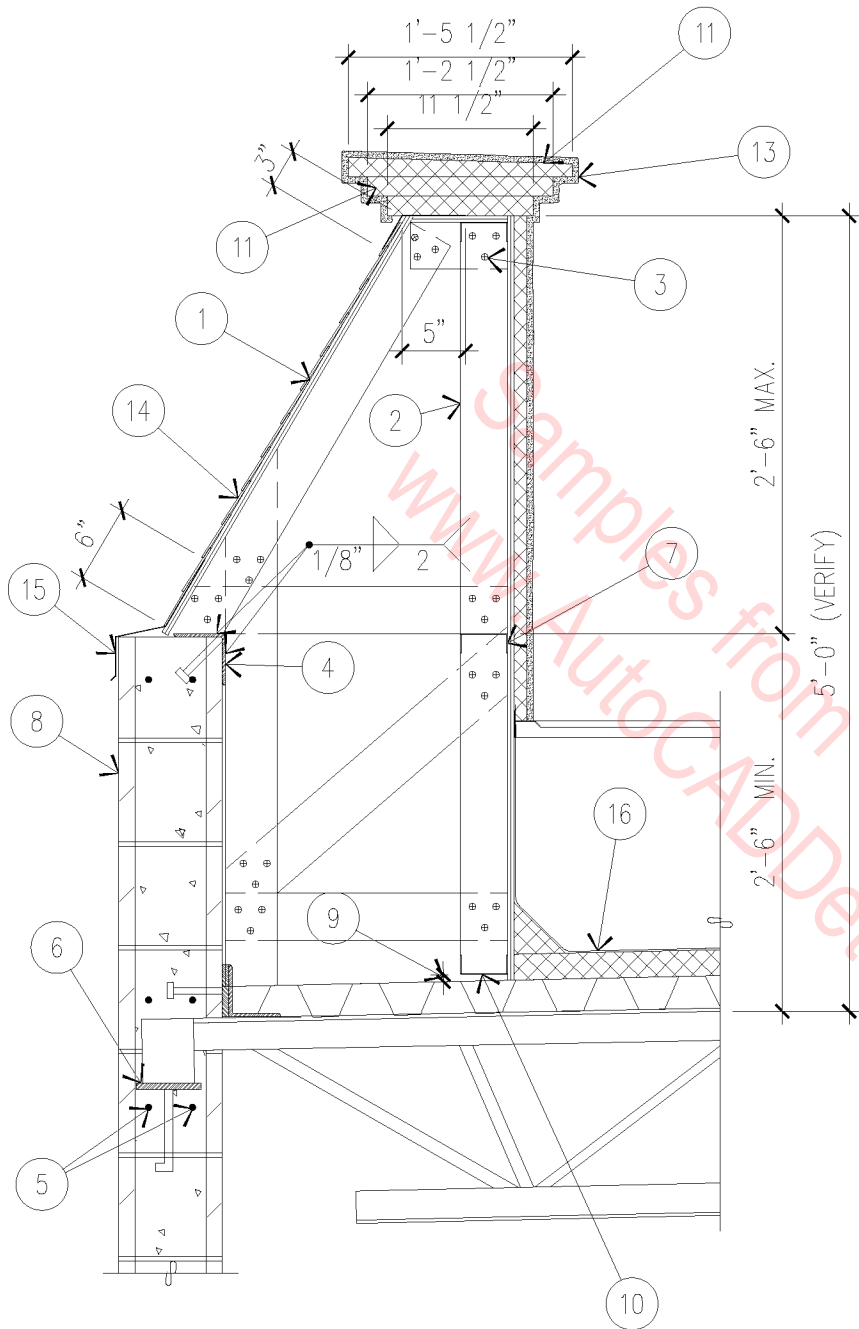
SIMILAR TO U.L. DESIGN NO. G241

# 1 HOUR SUSPENDED CEILING

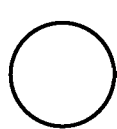
1" = 1'-0"

07C-8006





1. 1/2" EXTERIOR GRADE PLYWOOD.
2. 4" X 18 GAUGE METAL STUDS @ 24" O.C.
3. (3) SHEET METAL SCREWS AT 1 1/2" LONG - TYPICAL.
4. 3 "X 3" X 1/4" CONTINUOUS ANGLE WITH 3/4" N.S. @ 24" O.C.
5. (2) #5 REBAR CONTINUOUS.
6. STEEL PLATE JOIST SEAT IN WALL POCKET - SEE STRUCTURAL.
7. 4" X 13 GAUGE METAL STUD RAIL BLOCK.
8. 8" CMU WALL.
9. 1/2" CLEAR.
10. 4" X 18 GAGE CONTINUOUS BOTTOM TRACK - DO NOT ATTACH TO ROOF DECK.
11. 1" RIGID INSULATION.
12. TAPERED RIGID INSULATION.
13. CEMENT STUCCO OVER METAL LATH.
14. COPPER FOILED ASPHALT COMPOSITION SHINGLES OVER 30 lb. ROOFING FELT.
15. COPPER FLASHING.
16. SINGLY PLY MEMBRANE ROOFING.

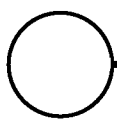
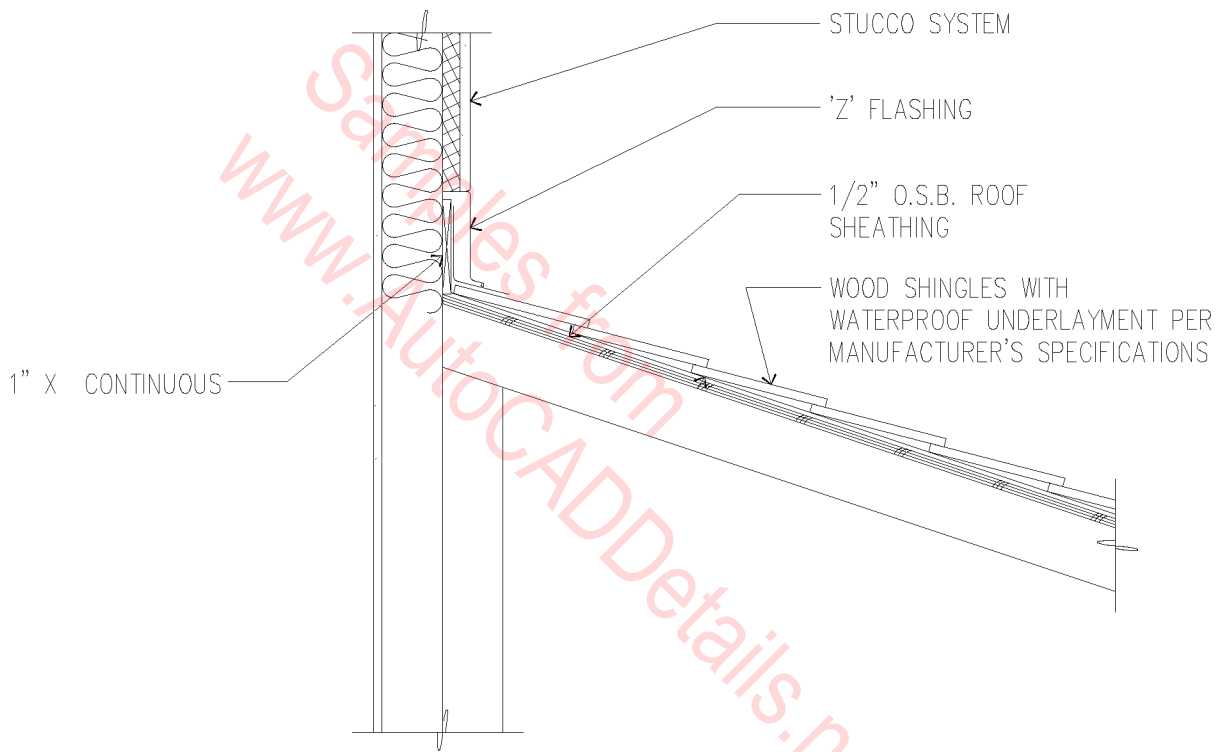


# PARAPET WALL

3/4" = 1'-0"

07C-8007

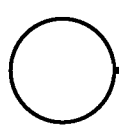
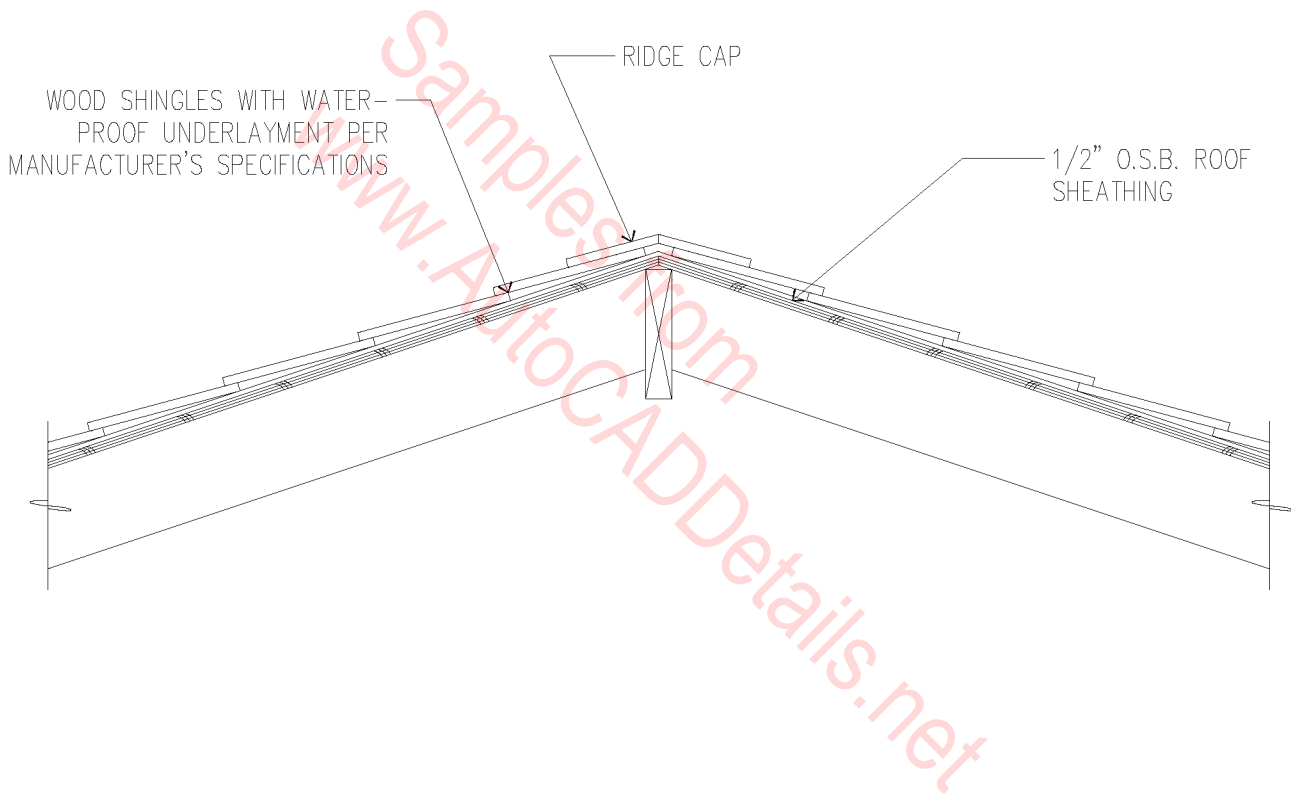




# WOOD ROOFING SHINGLES

1" = 1'-0"

07C-2001



# WOOD ROOFING SHINGLES

1" = 1'-0"

07C-2002