

BEAM POCKET DETAIL

L70 Angle, Every 48" O.C.
Fasteners---810d

2x6 Plate

2x6 Stud

2x6 Decking

Mud Sill

Beam Pocket

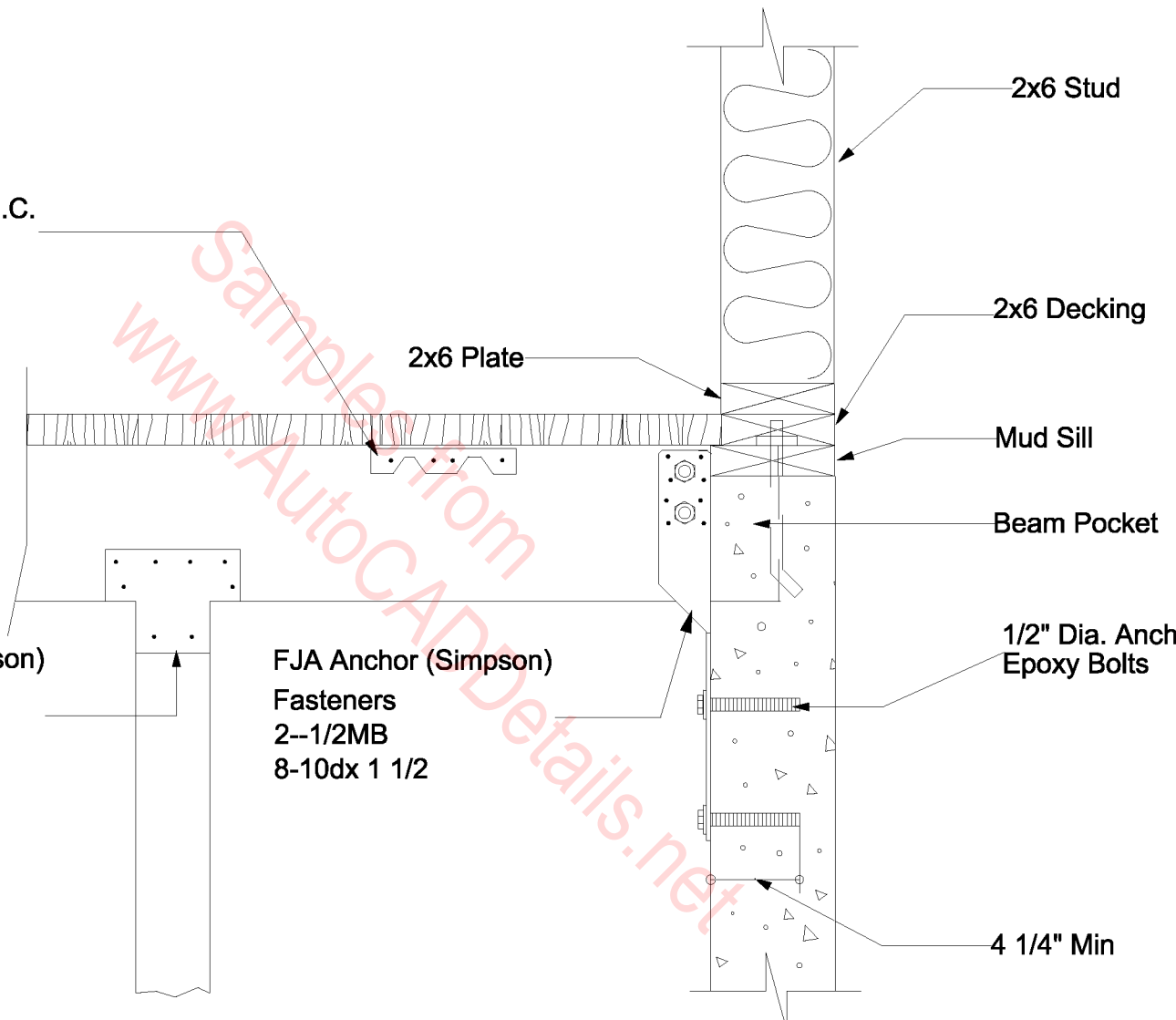
1/2" Dia. Anchor
Epoxy Bolts

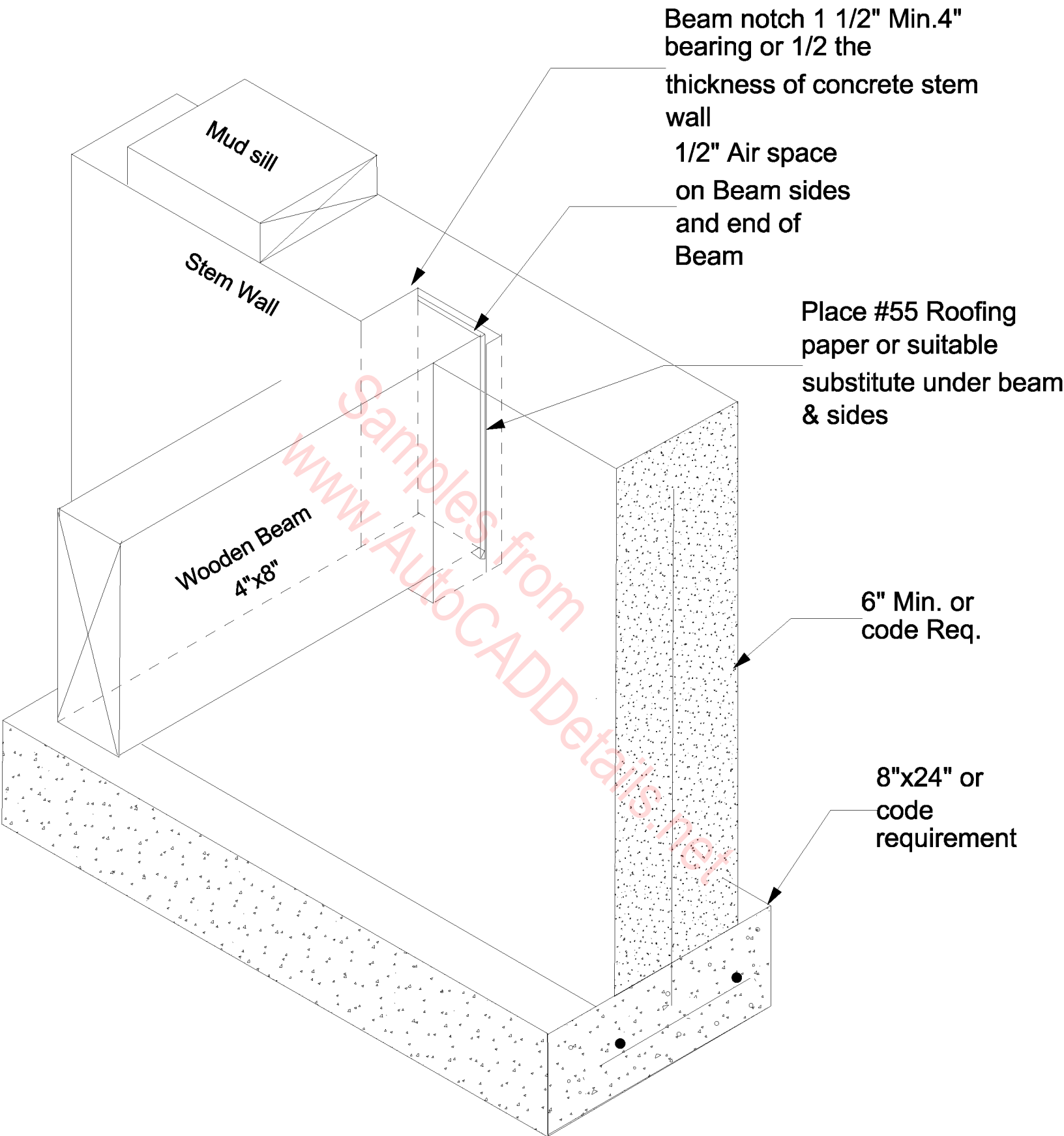
AC4 Post Cap (Simpson)
Fasteners
Beam--12-16d
Post-----8-16d

FJA Anchor (Simpson)
Fasteners
2--1/2MB
8-10dx 1 1/2

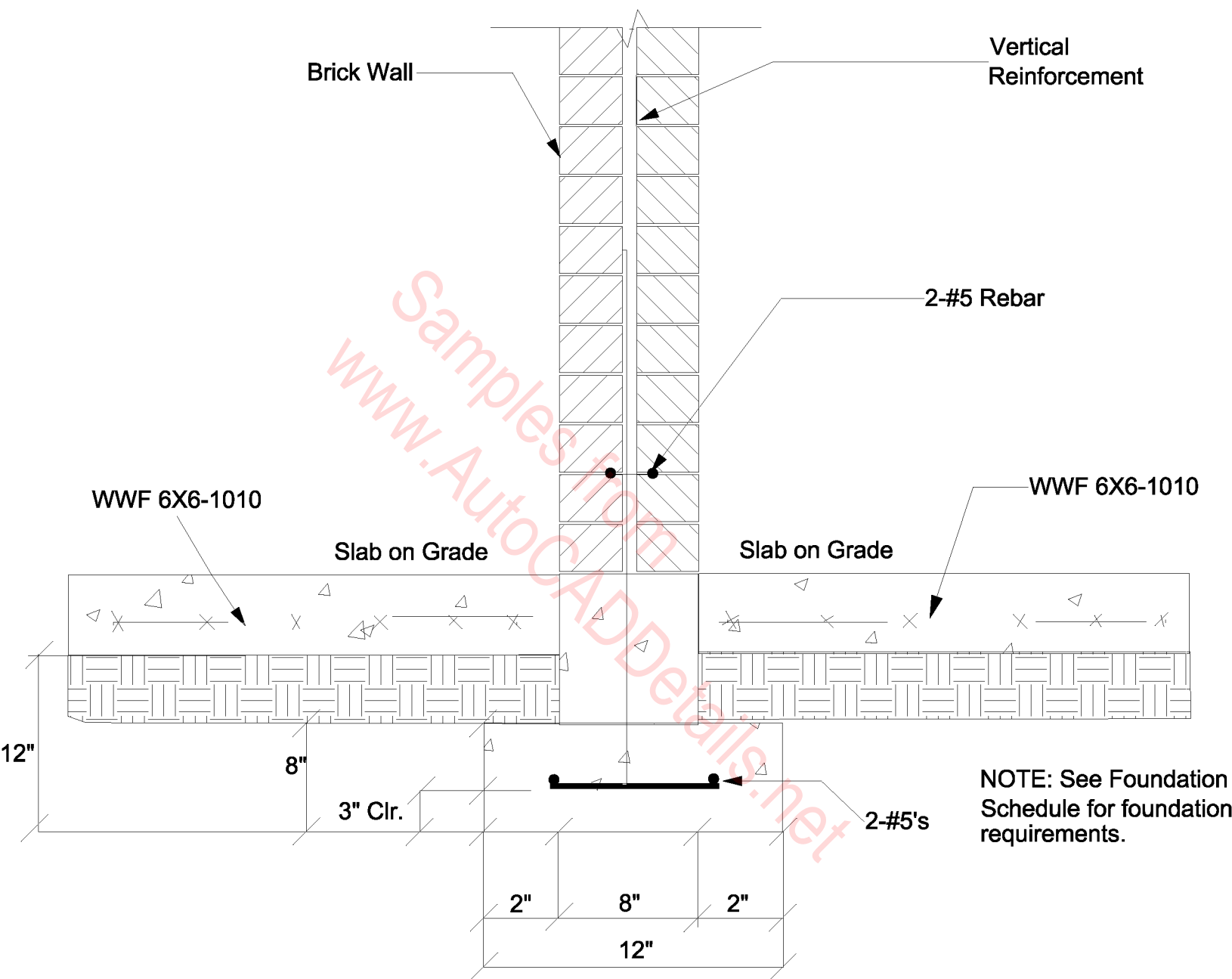
4 1/4" Min

BEAM POCKET DETAIL

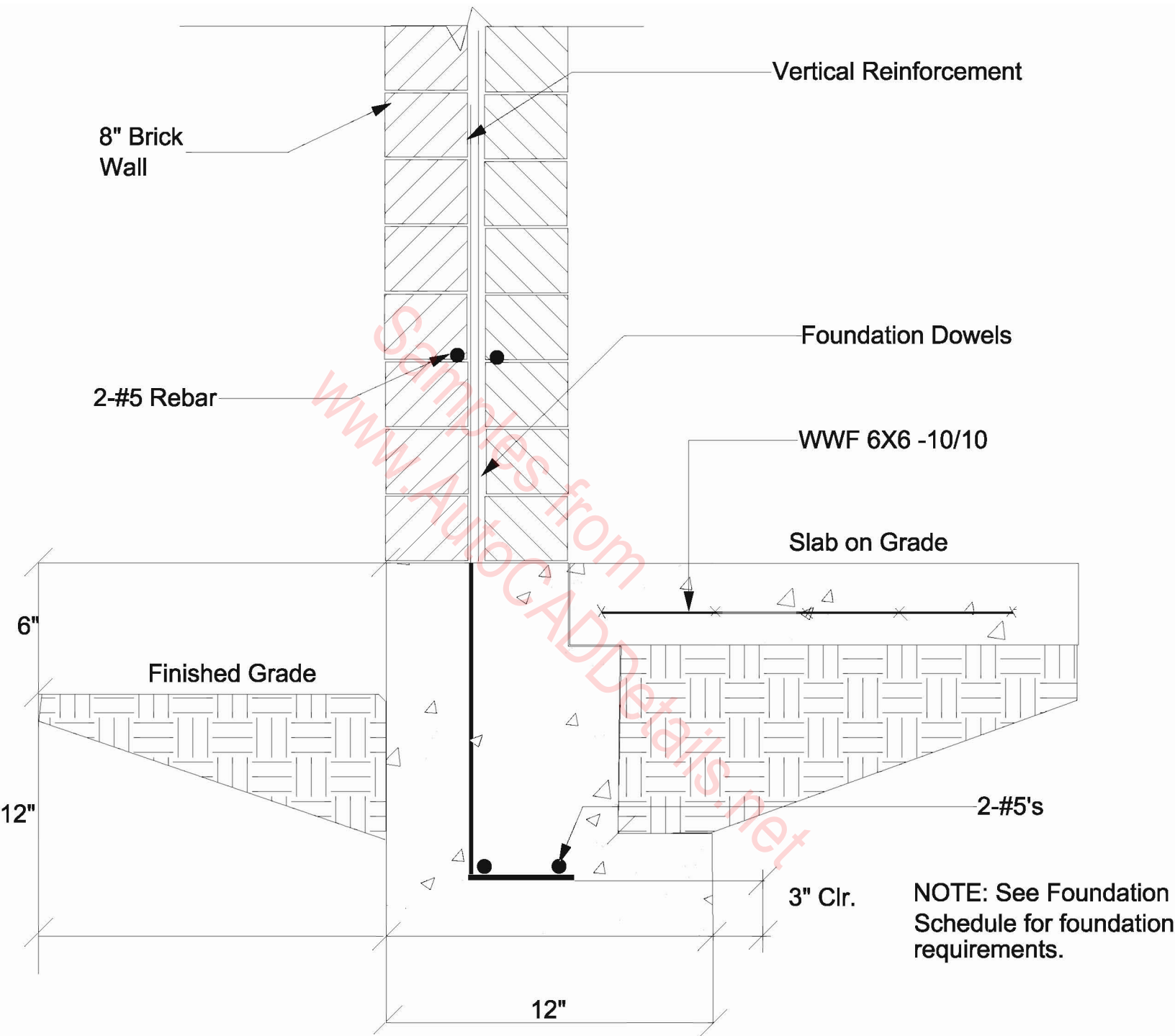




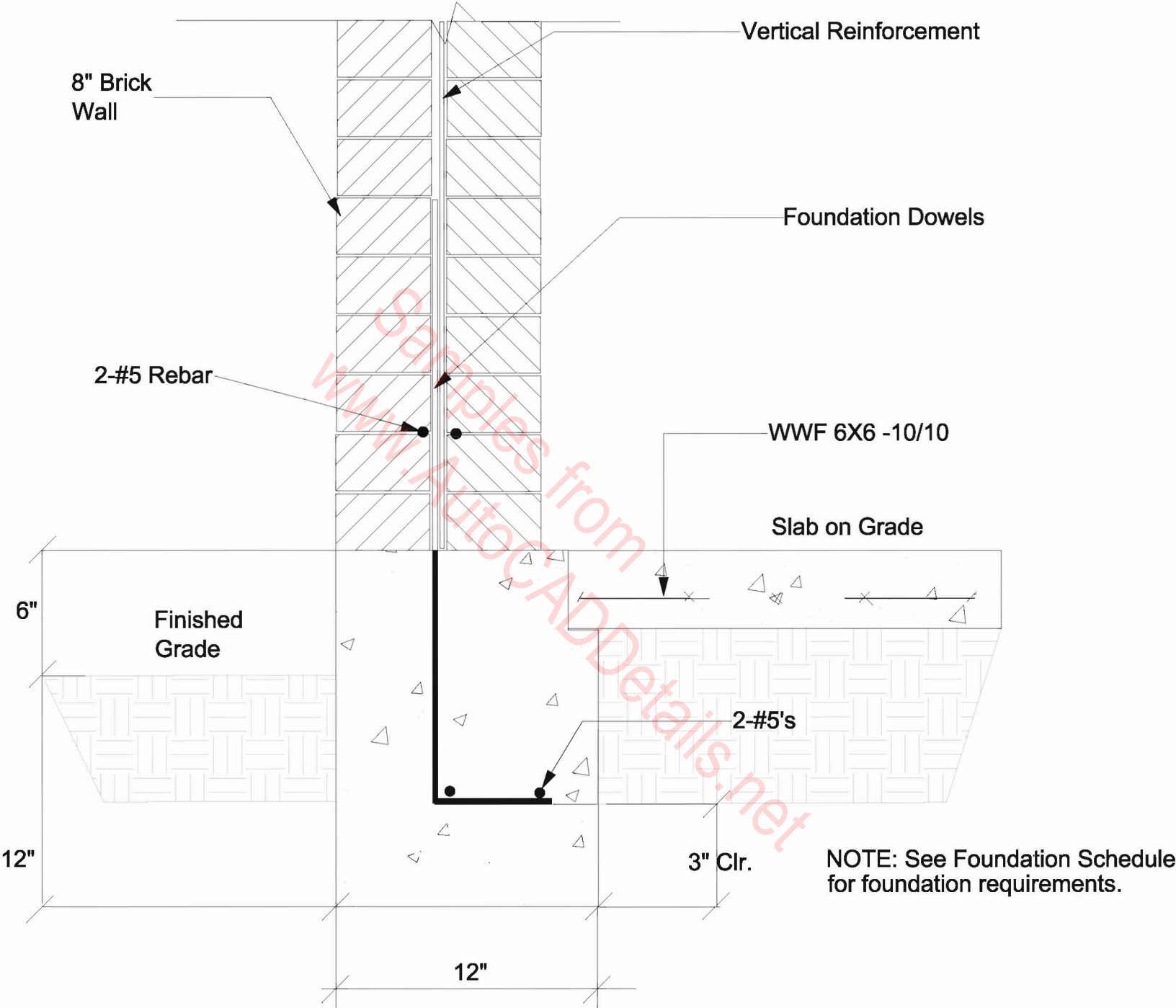
BEAM POCKET DETAIL



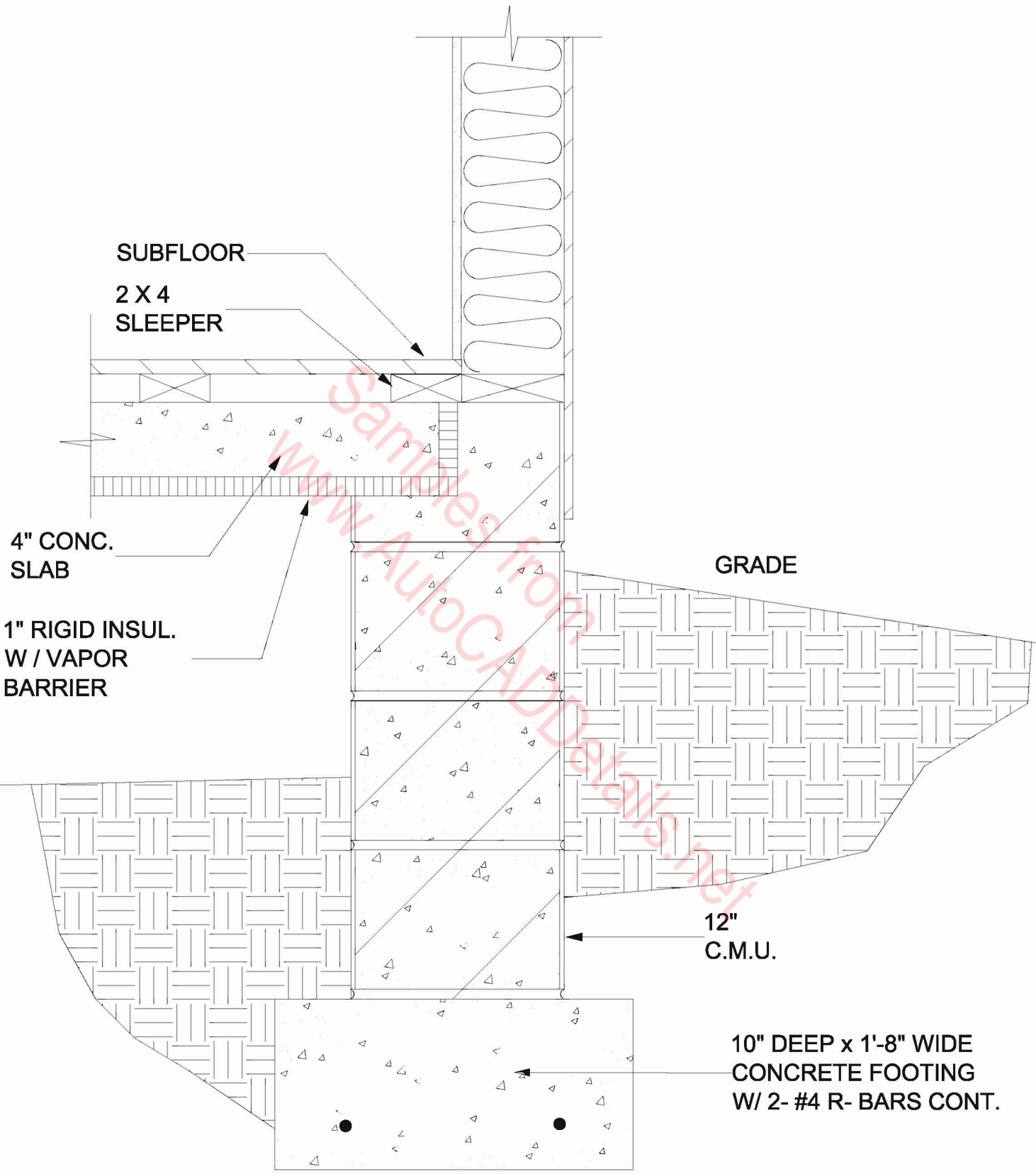
Typical Continuous Footing Interior Wall
 Slab on grade, "T" SHAPED.
 8" Brick Wall. (FOUNDATION).



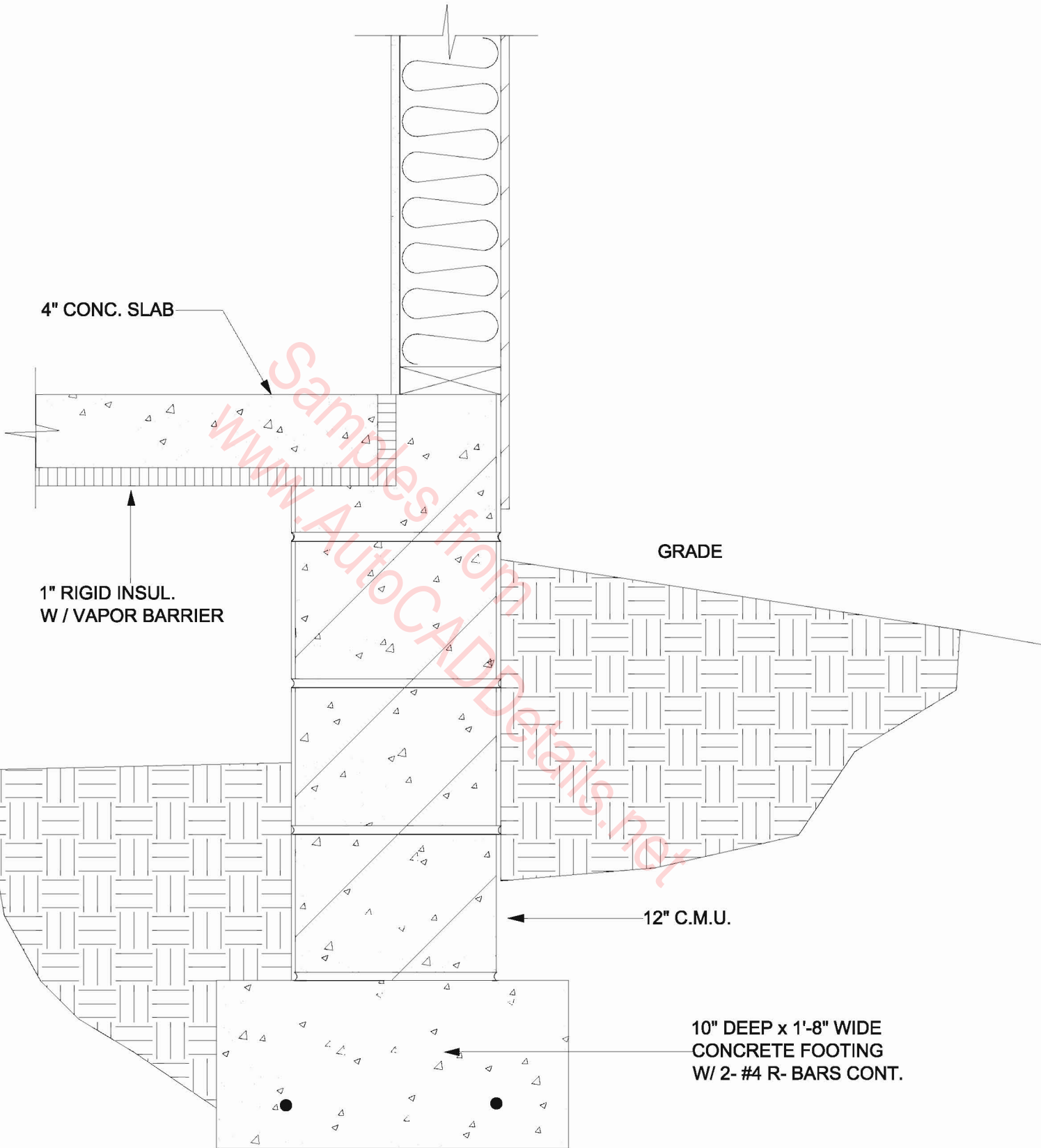
Typical Continuous Footing Exterior Wall
 Slab on grade, rectangular shape, WITH CURB..
 8" Brick Wall.(FOUNDATION).



Typical Continuous Footing Exterior Wall
 Slab on grade, rectangular shape
 8" Brick Wall. (FOUNDATION)



**CMU FOUNDATION W/SLAB
 FLOOR W/SLEEPER**



CMU FOUNDATION W/SLAB FLOOR

Note: Install Simpson HPAHD @ edge of mudsill per MFG instructions. One #4 rebar in shear cone. Rebar 2x embedment depth + 12" except corners. Embed holdowns 4" into slab & 6" into stemwall.

Rigid Insulation

Protective coating

Slope away from wall at 6" to 10'

Low-permeability soil

Rigid Insulation

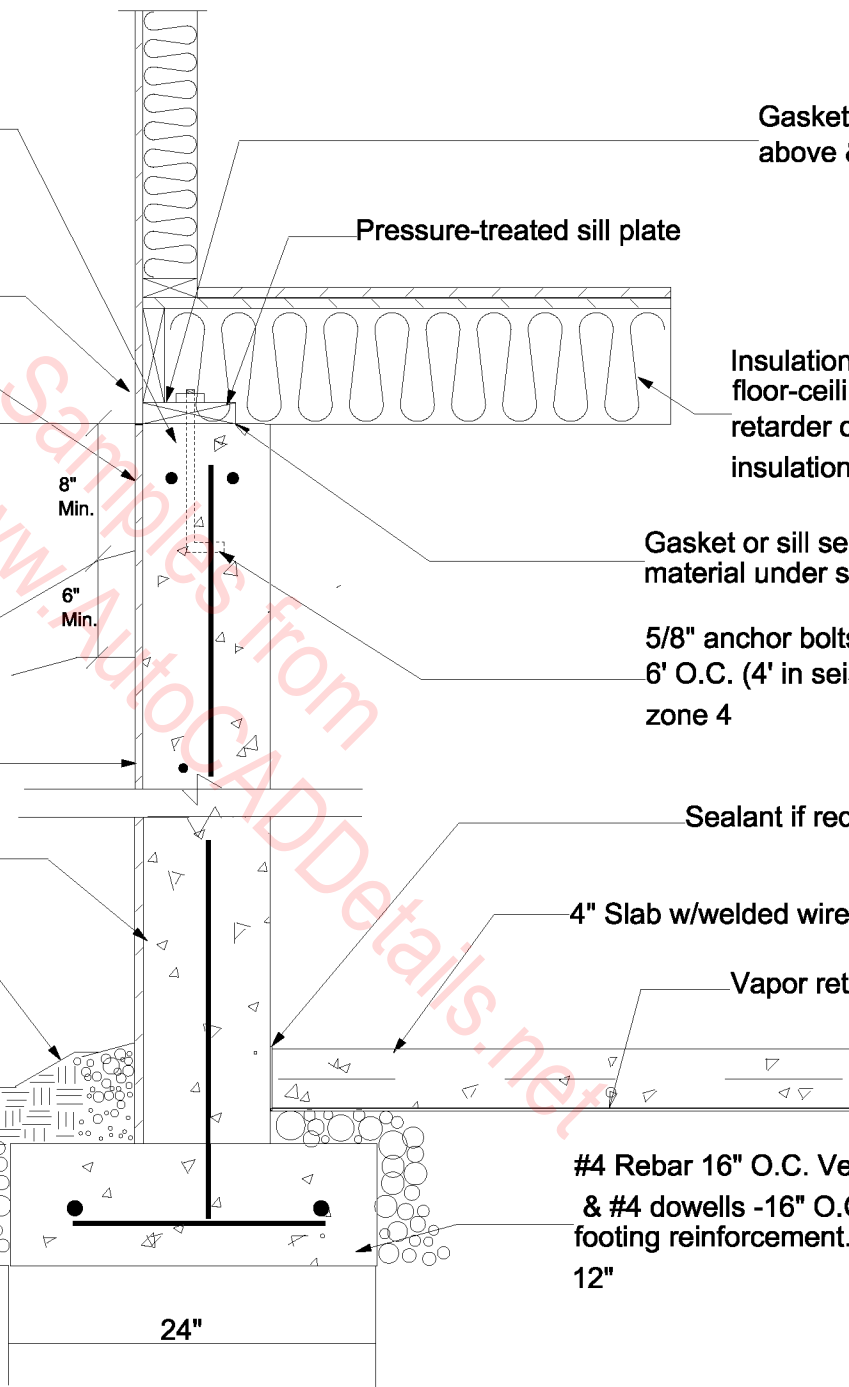
Damp-proofing or waterproofing

Filter fabric

4" perforated drainpipe

Course Gravel

8"



Gaskets or caulking above & below rim joist

Pressure-treated sill plate

Insulation between floor-ceiling joist with vapor retarder on top side of insulation

Gasket or sill seal material under sill plate

5/8" anchor bolts @ 6' O.C. (4' in seismic zone 4)

Sealant if required

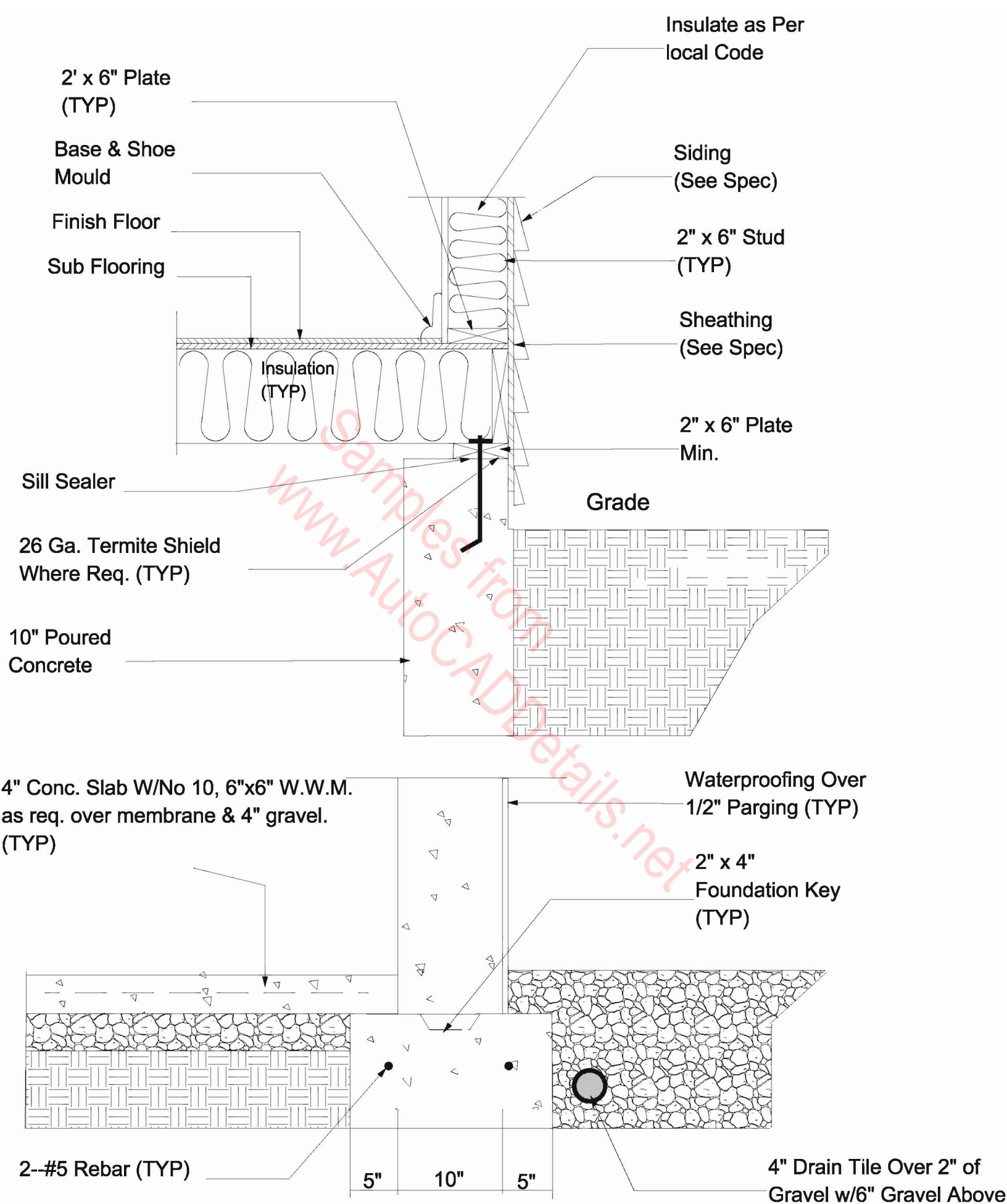
4" Slab w/welded wire mesh

Vapor retarder

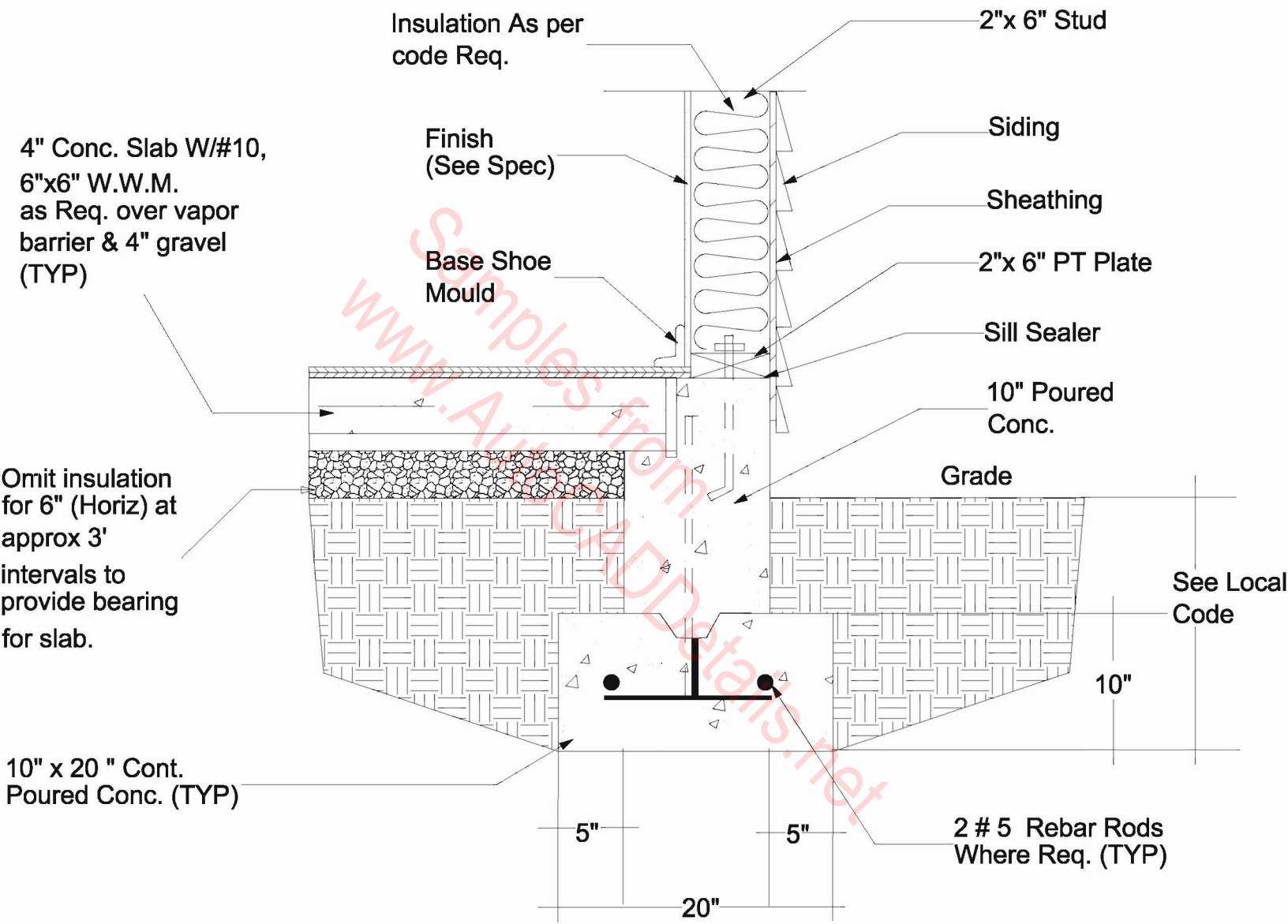
#4 Rebar 16" O.C. Vertically & Horizontally & #4 dowells -16" O.C. & Alt hooks under footing reinforcement. Min. rebar overlap 12"

24"

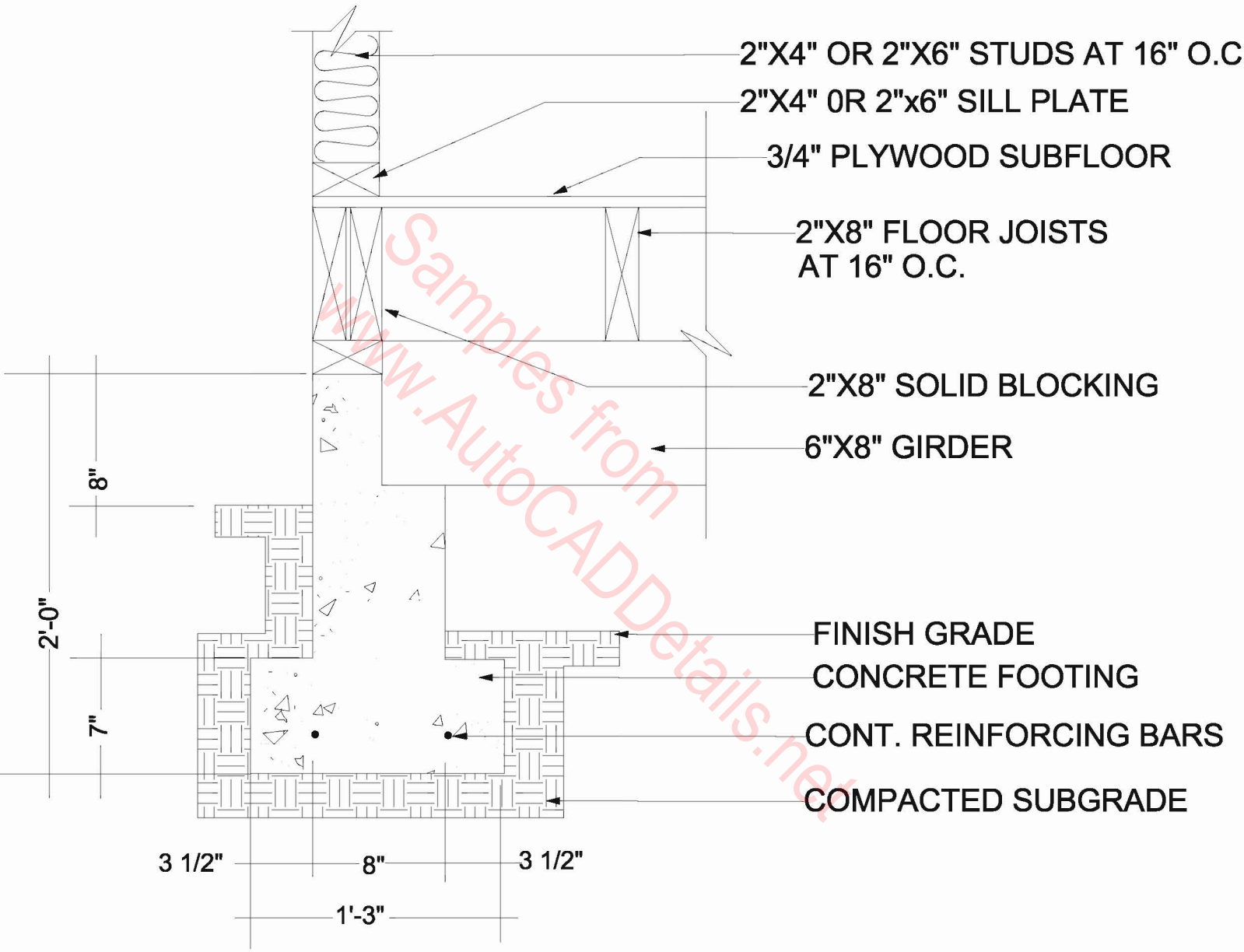
Concrete Basement Wall W/external insulation



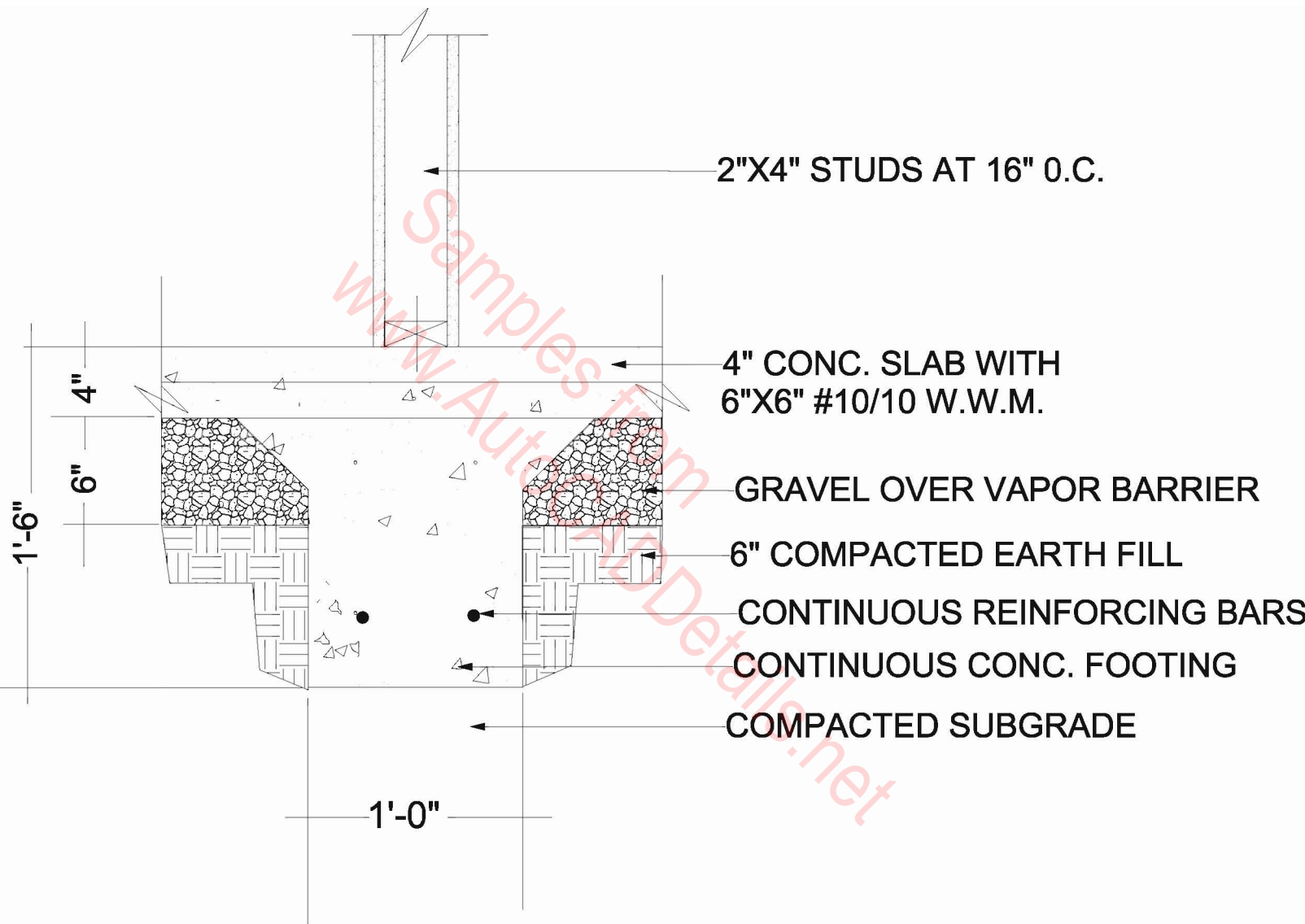
POURED CONCRETE WALL W/SIDING OR STUCCO AND BASEMENT



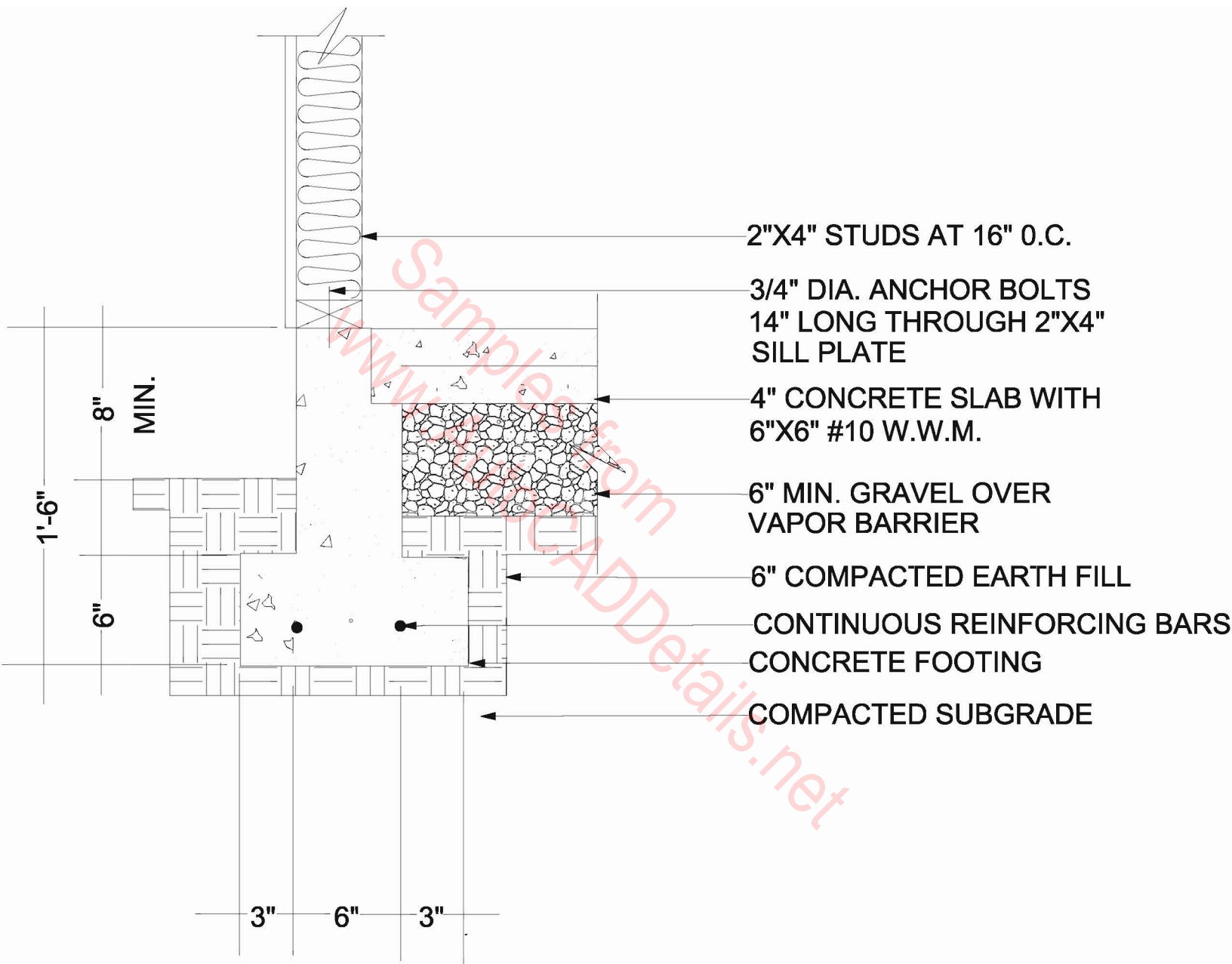
POURED CONC. WALL W/SIDING OR STUCCO AND CONTAINED SLAB



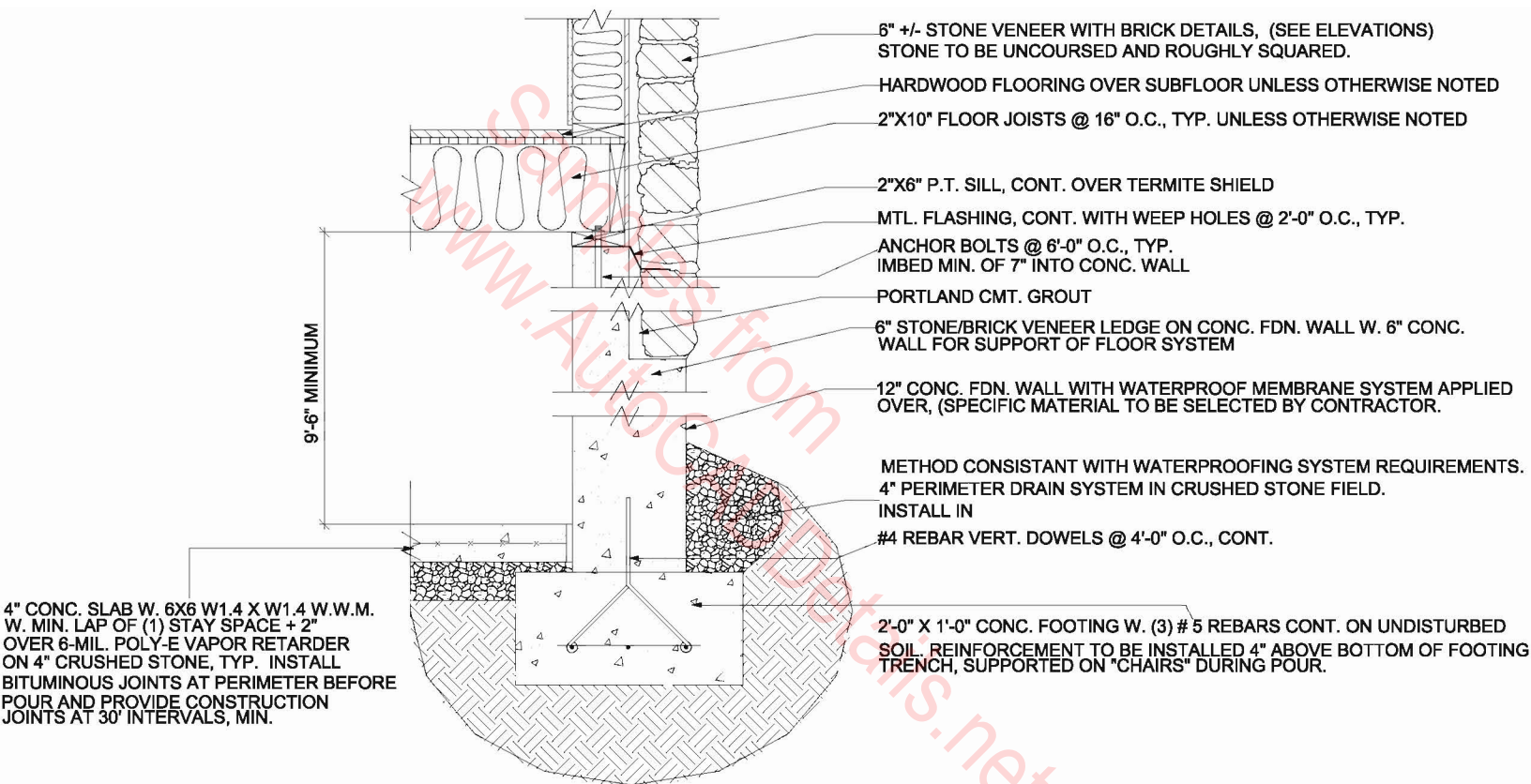
CONC. FOOTING- GIRDER POCKET



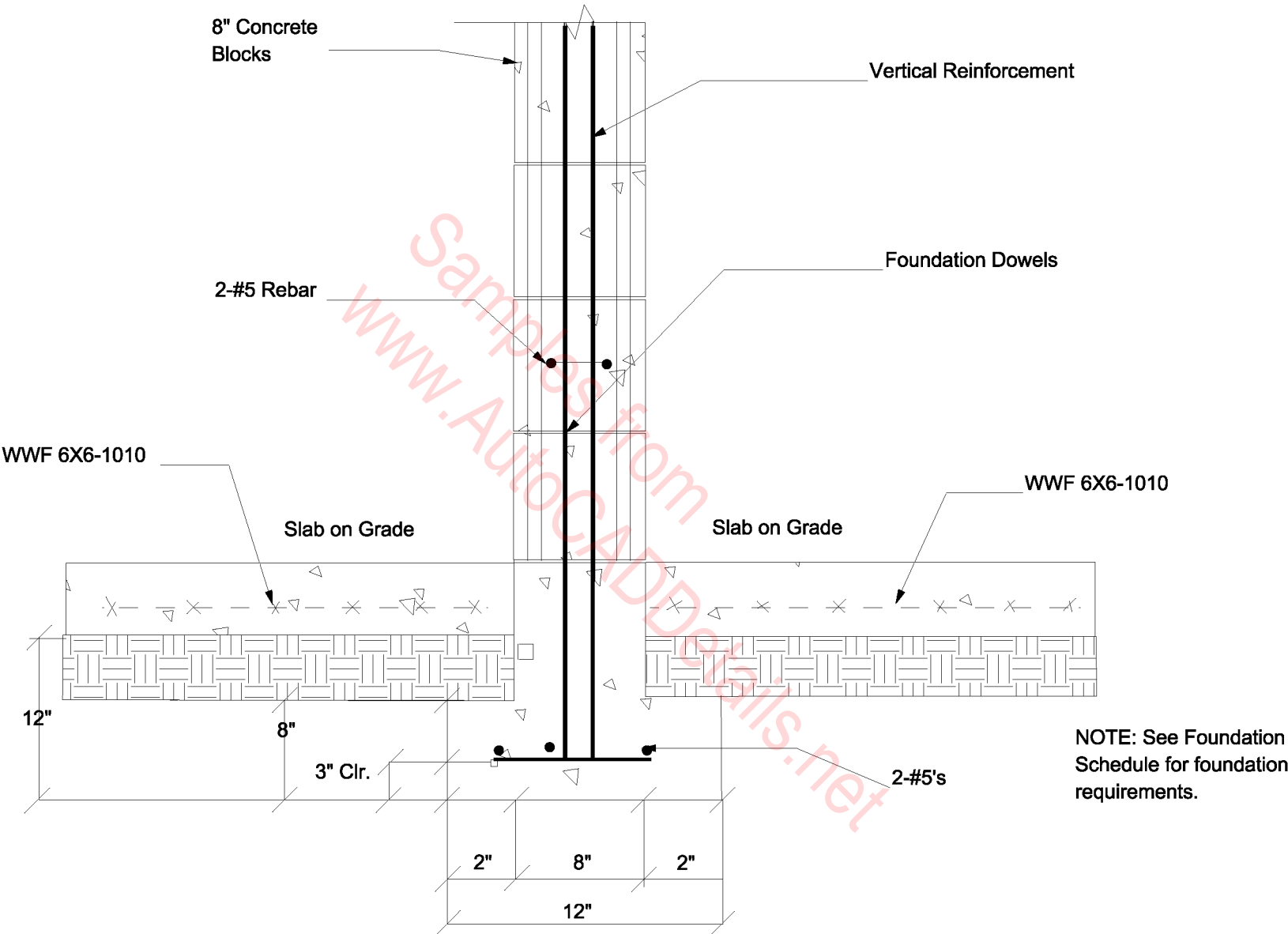
CONCRETE FOOTING/SLAB (1 Story)



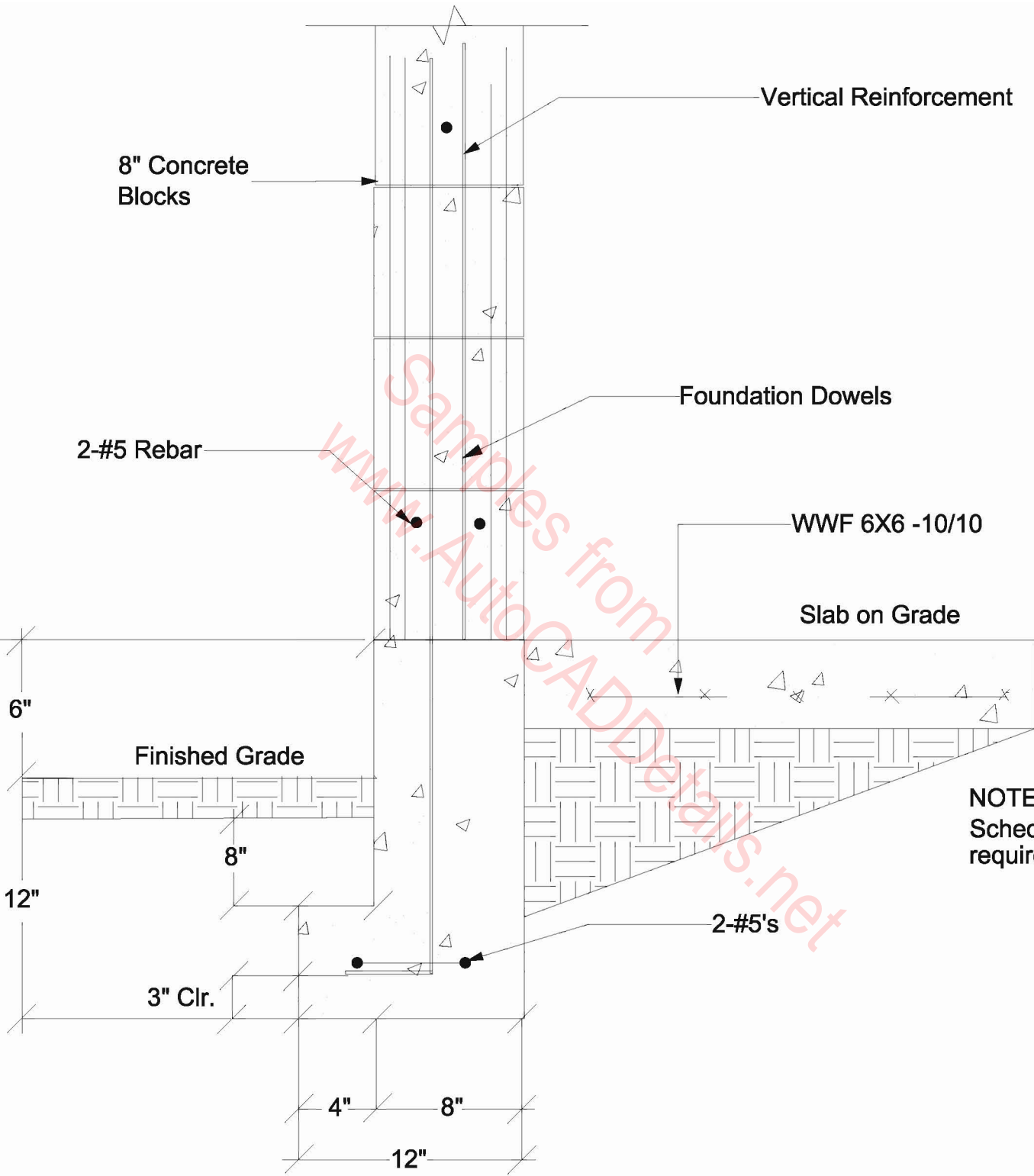
CONCRETE FOOTING/SLAB (1 Story)



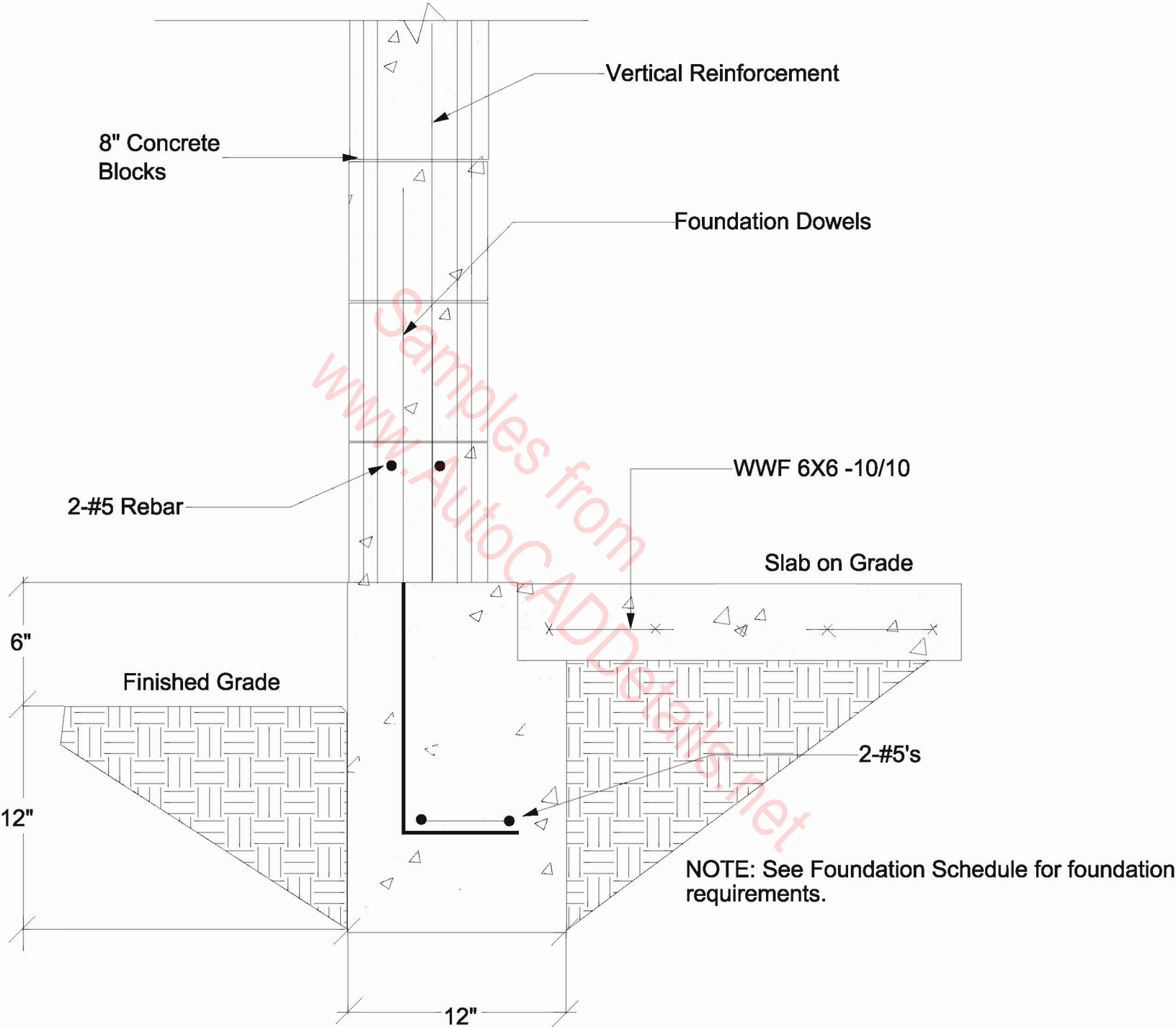
CONCRETE FOUNDATION W/ STONE



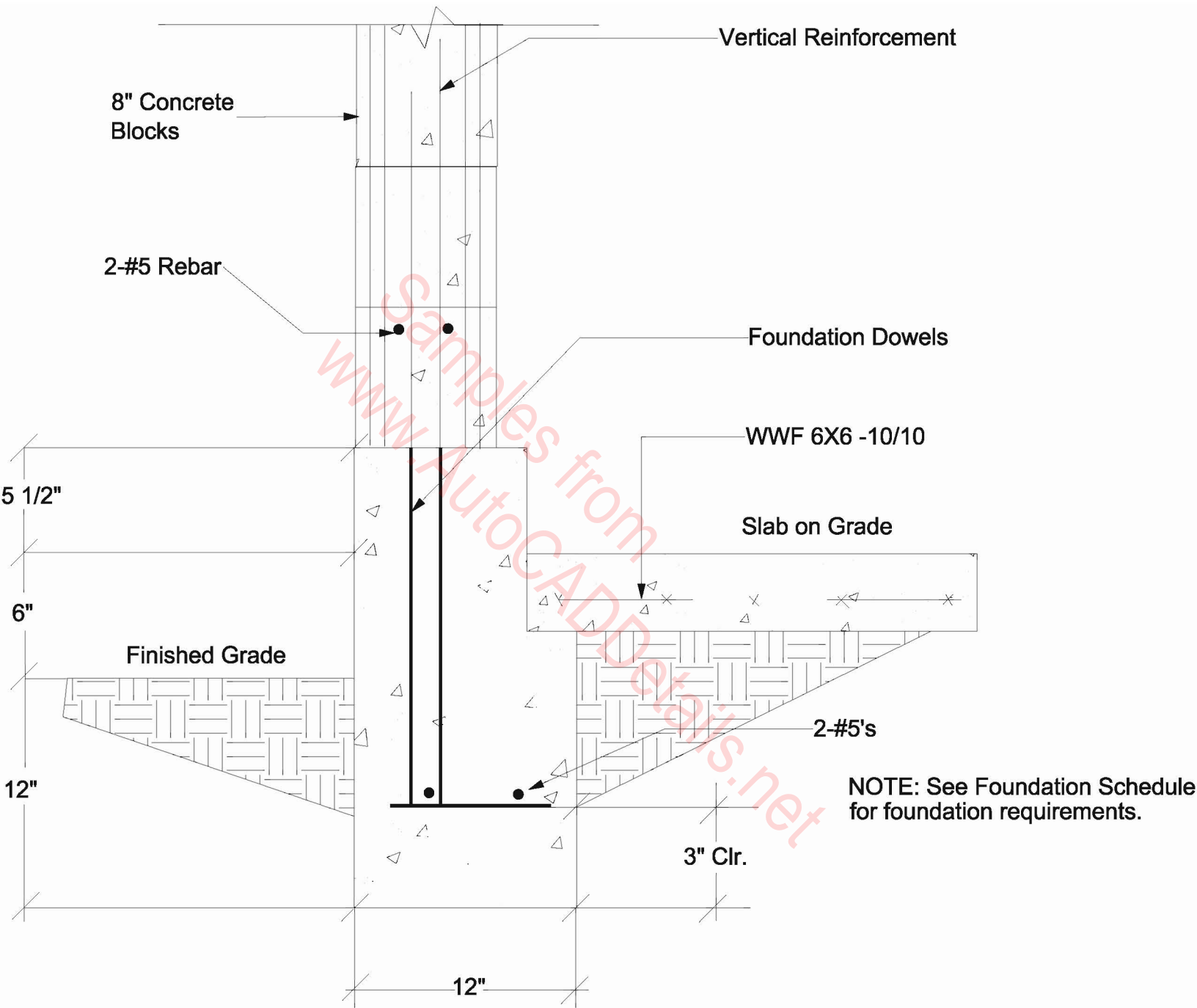
Typical Continuous Footing Interior Wall
 Slab on grade, "T" SHAPED.
 8" Concrete Block FOUNDATION.



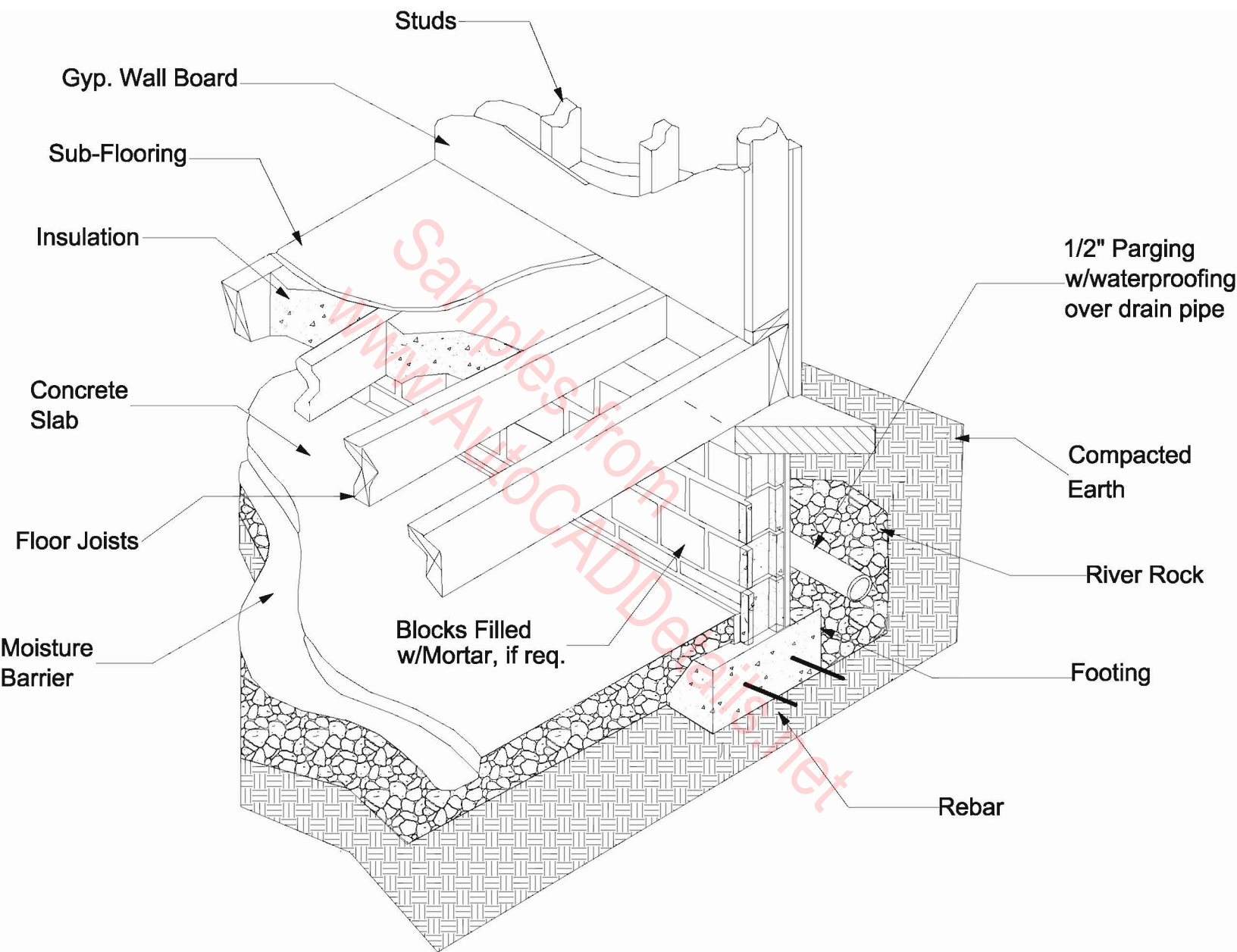
Typical Continuous Footing Exterior Wall
 Slab on grade, "T" SHAPED.
 8" Concrete Block FOUNDATION.



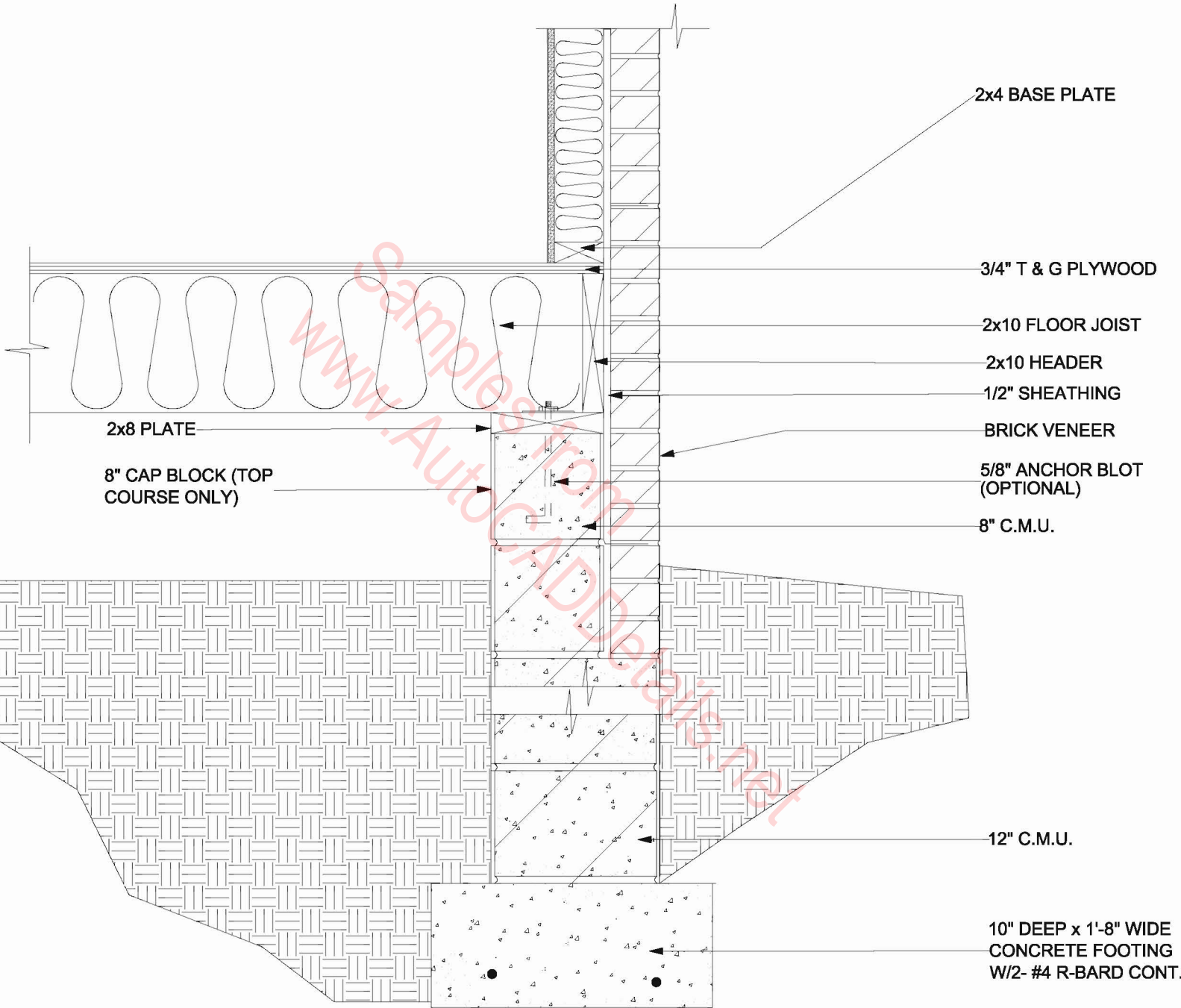
Typical Continuous Footing Exterior Wall
 Slab on grade, rectangular shape
 8" Concrete Block FOUNDATION.



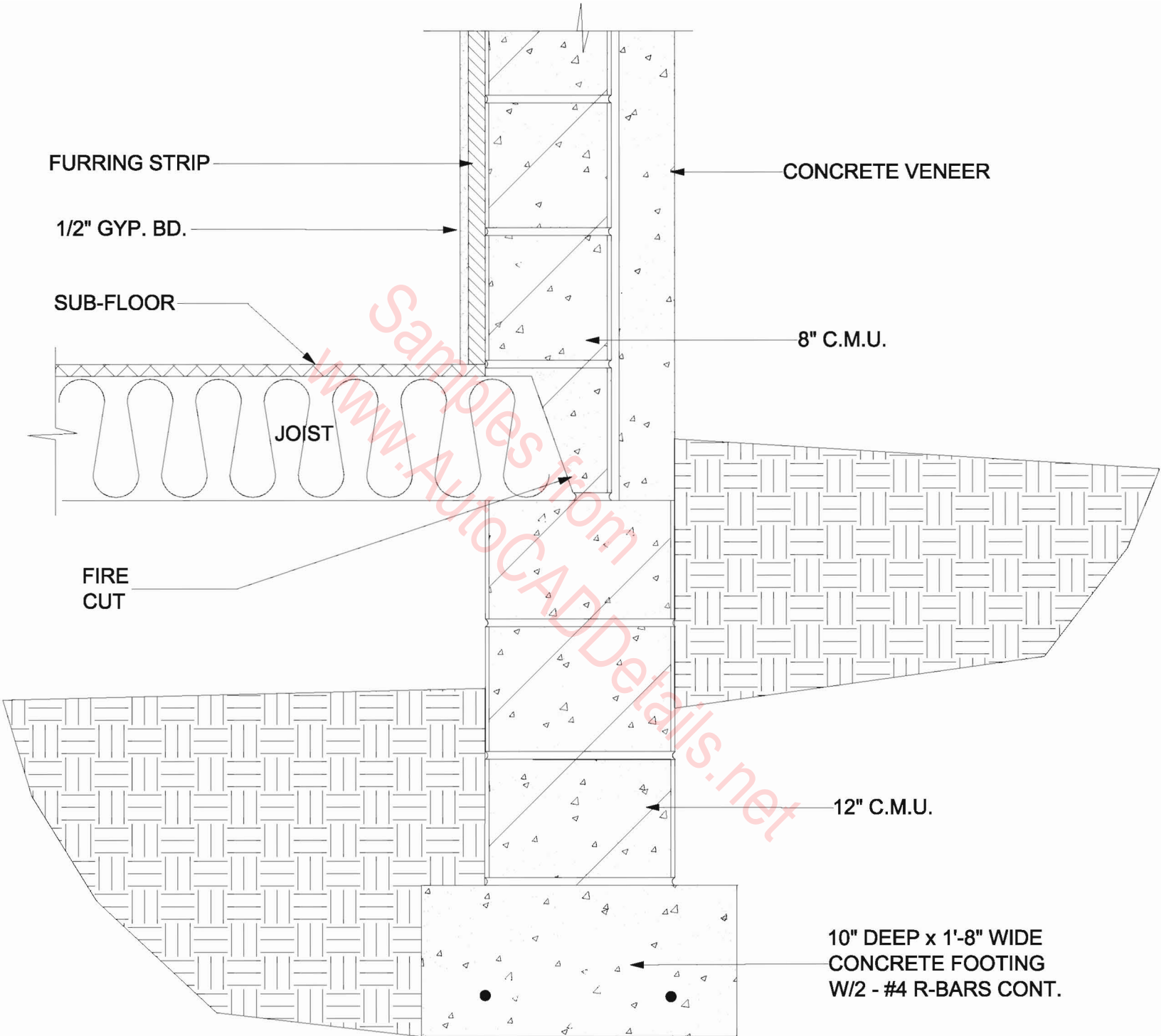
Typical Continuous Footing Exterior Wall
 Slab on grade, rectangular shape, WITH CURB..
 8" Concrete Block FOUNDATION.



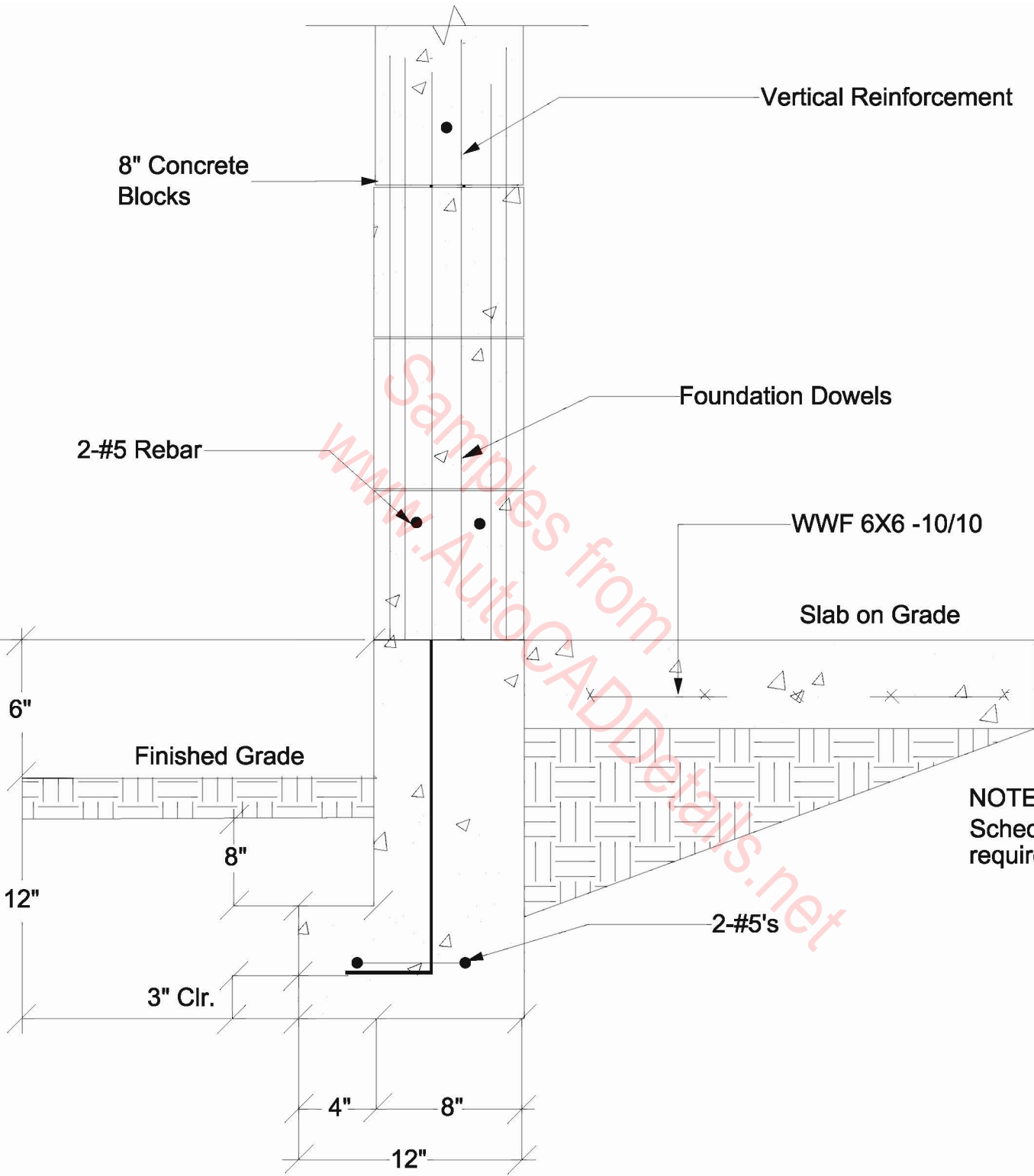
CONCRETE BLOCK FOUNDATION



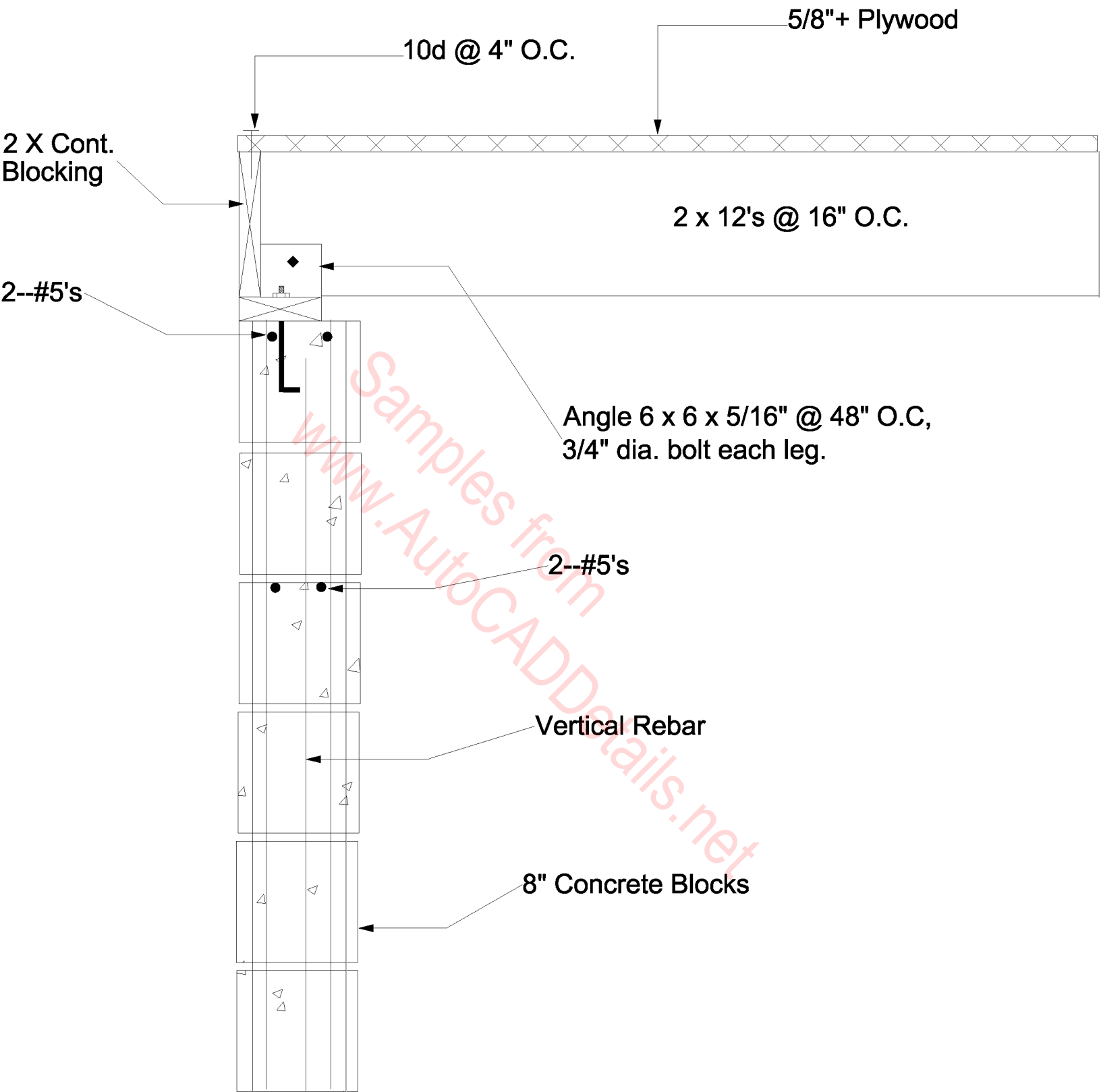
CONCRETE BLOCK FOUNDATION



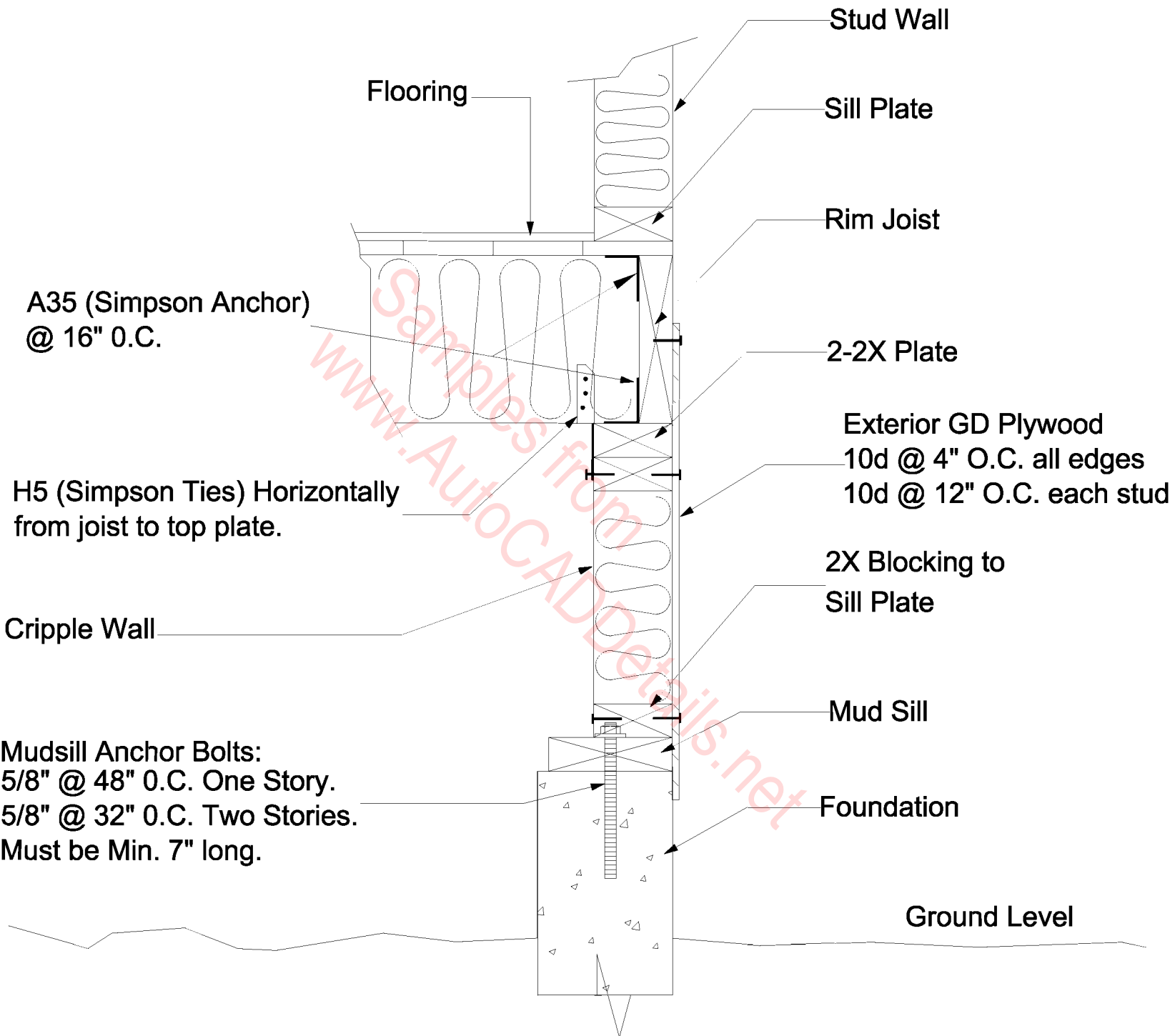
CONCRETE BLOCK FOUNDATION



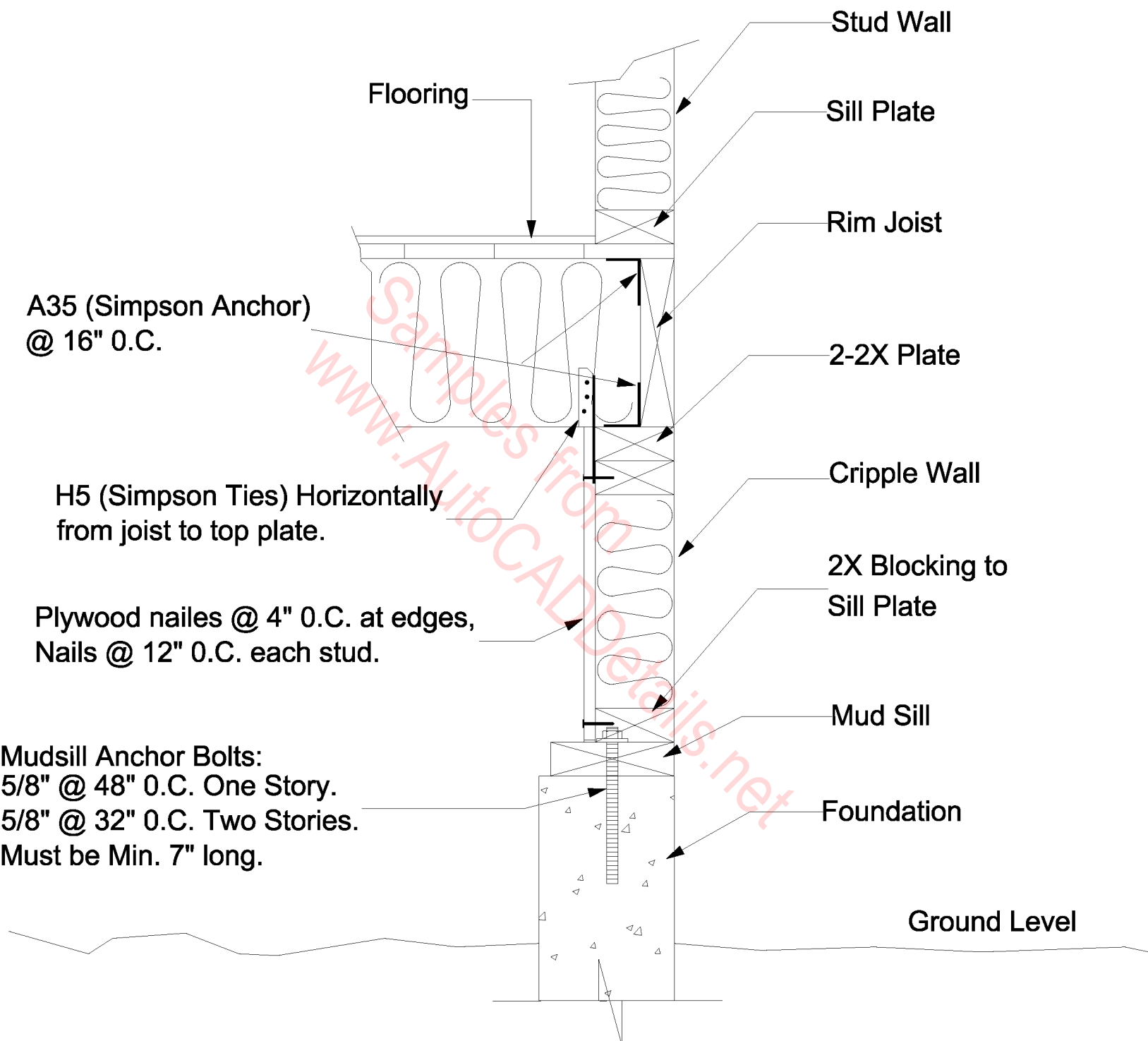
Typical Continuous Footing Exterior Wall
 Slab on grade, "T" SHAPED.
 8" Concrete Block FOUNDATION.



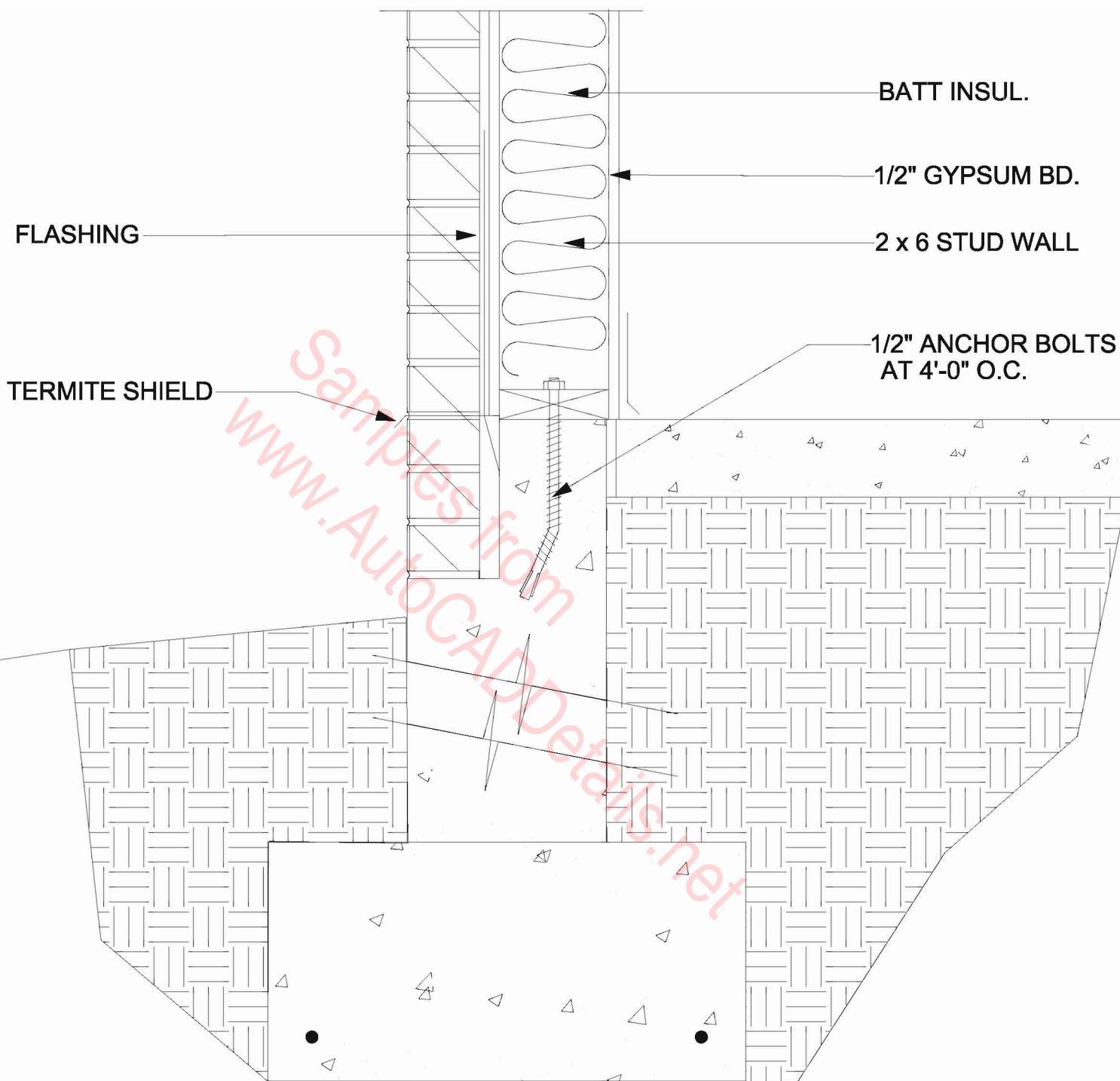
Exterior Wall Rafters Prep. to Wall
 Clip Angle Rafters to Wall
 (Concrete Blocks)



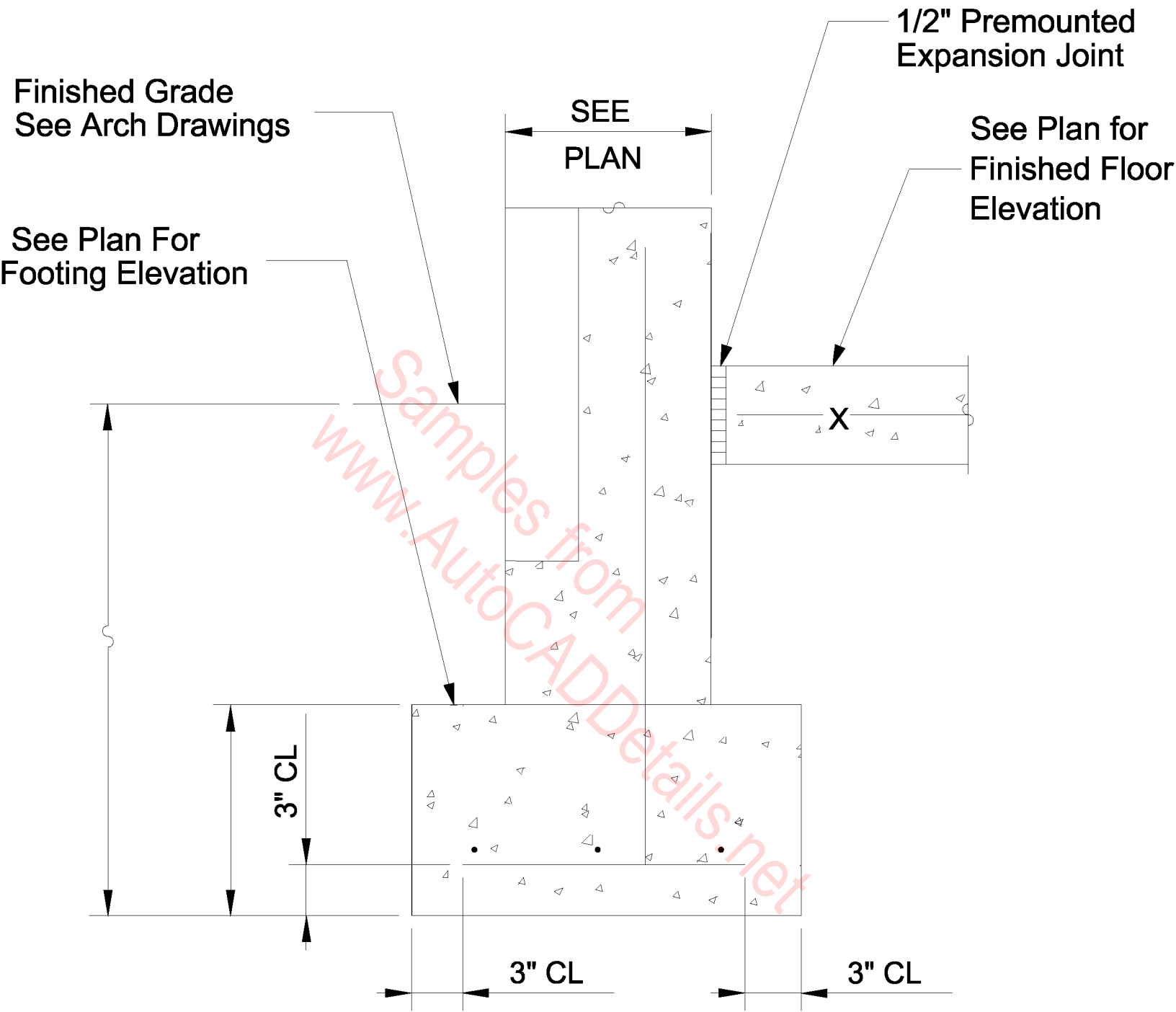
Cripple Wall Bracing @ Exterior Facing



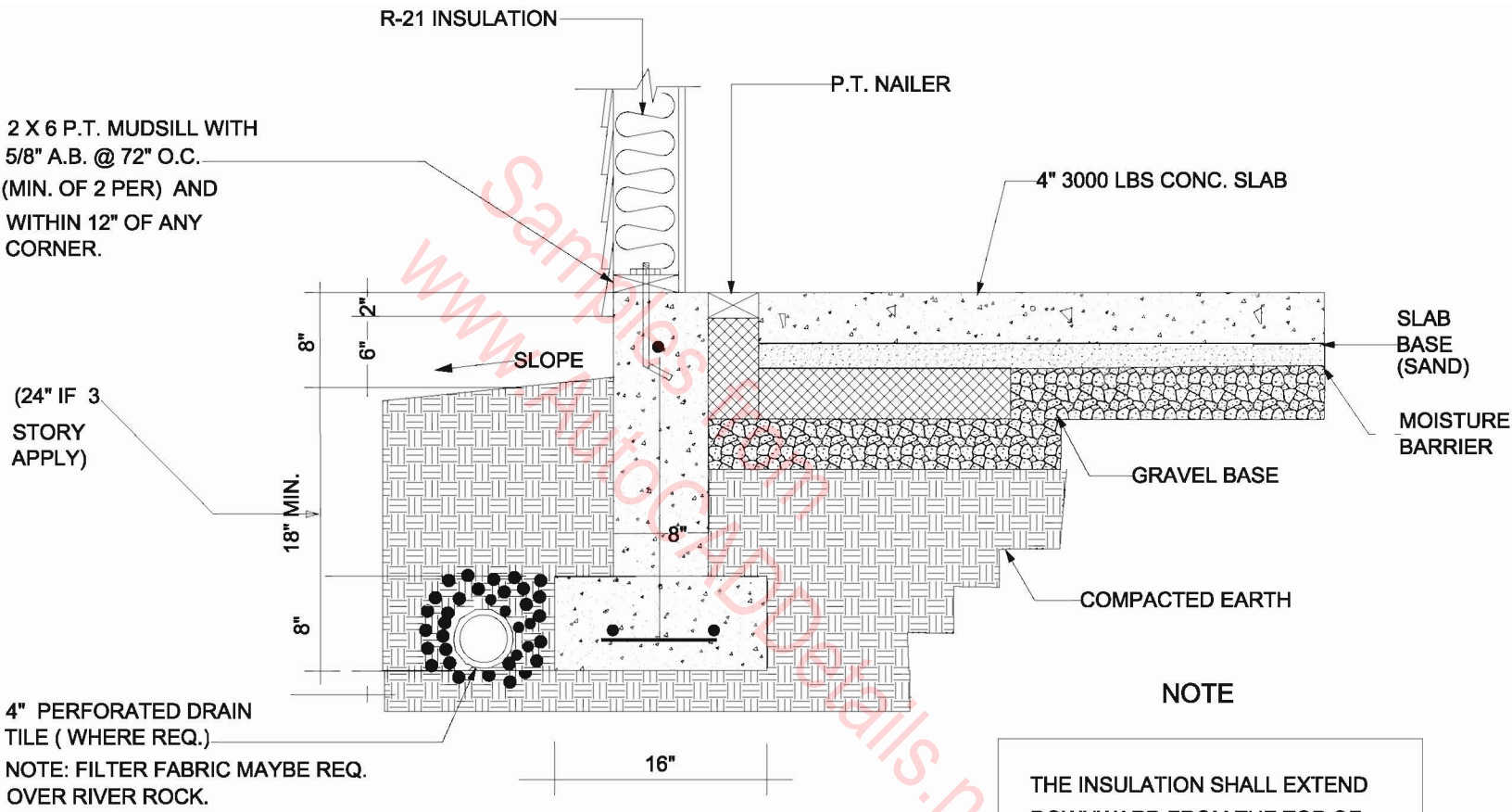
Cripple Wall Bracing @ Interior Face



CURB SLAB W/ FOOTING



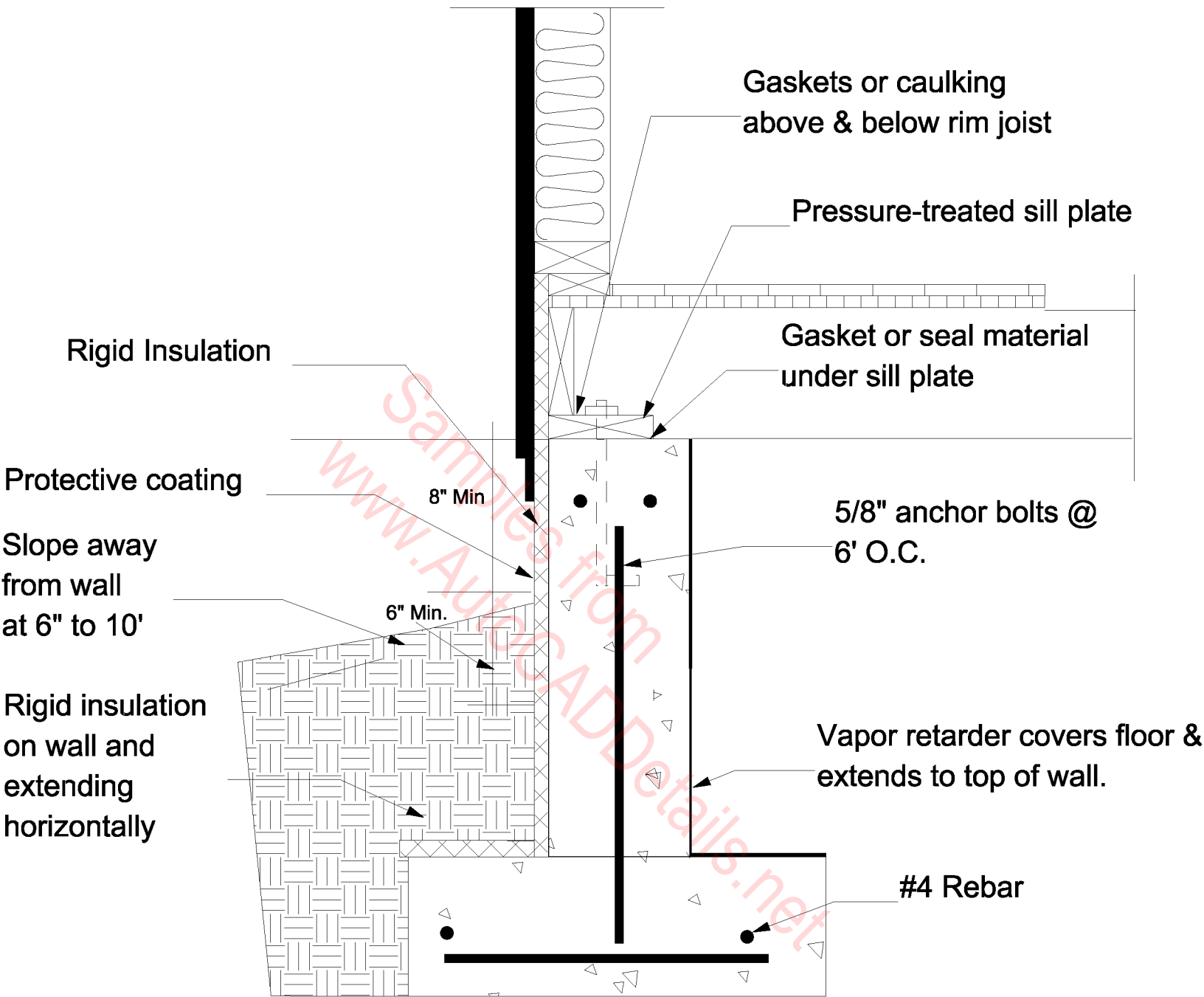
**Exterior Masonry Typical Masonry
Bearing Wall Footing Detail**



NOTE

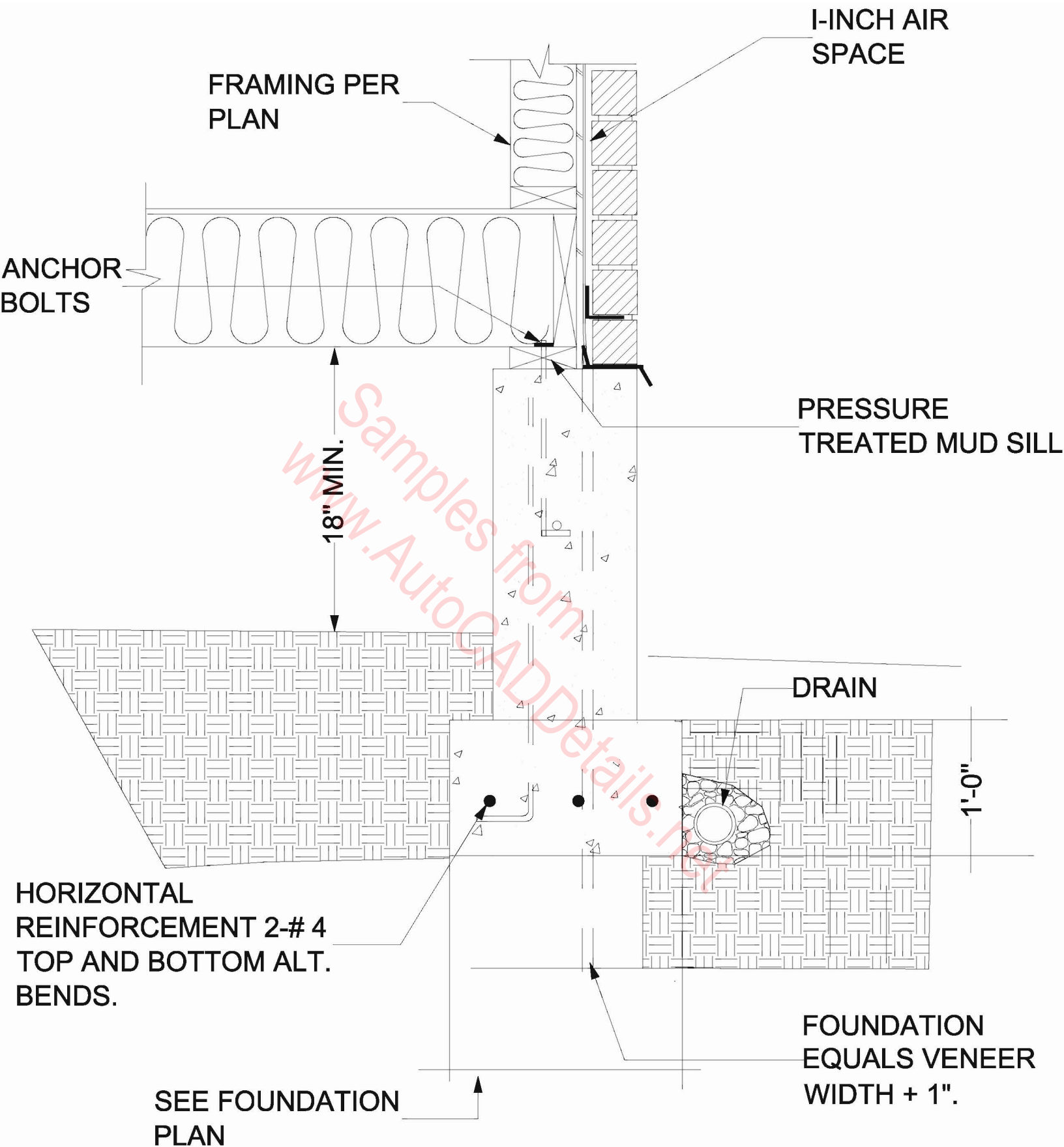
THE INSULATION SHALL EXTEND DOWNWARD FROM THE TOP OF THE SLAB FOR A MIN. DISTANCE OF 24", OR DOWNWARD TO THE BOTTOM OF THE SLAB, THEN HORIZONTALLY BENEATH THE SLAB FOR A MIN. OF 24"

FLOATING SLAB ON GRADE

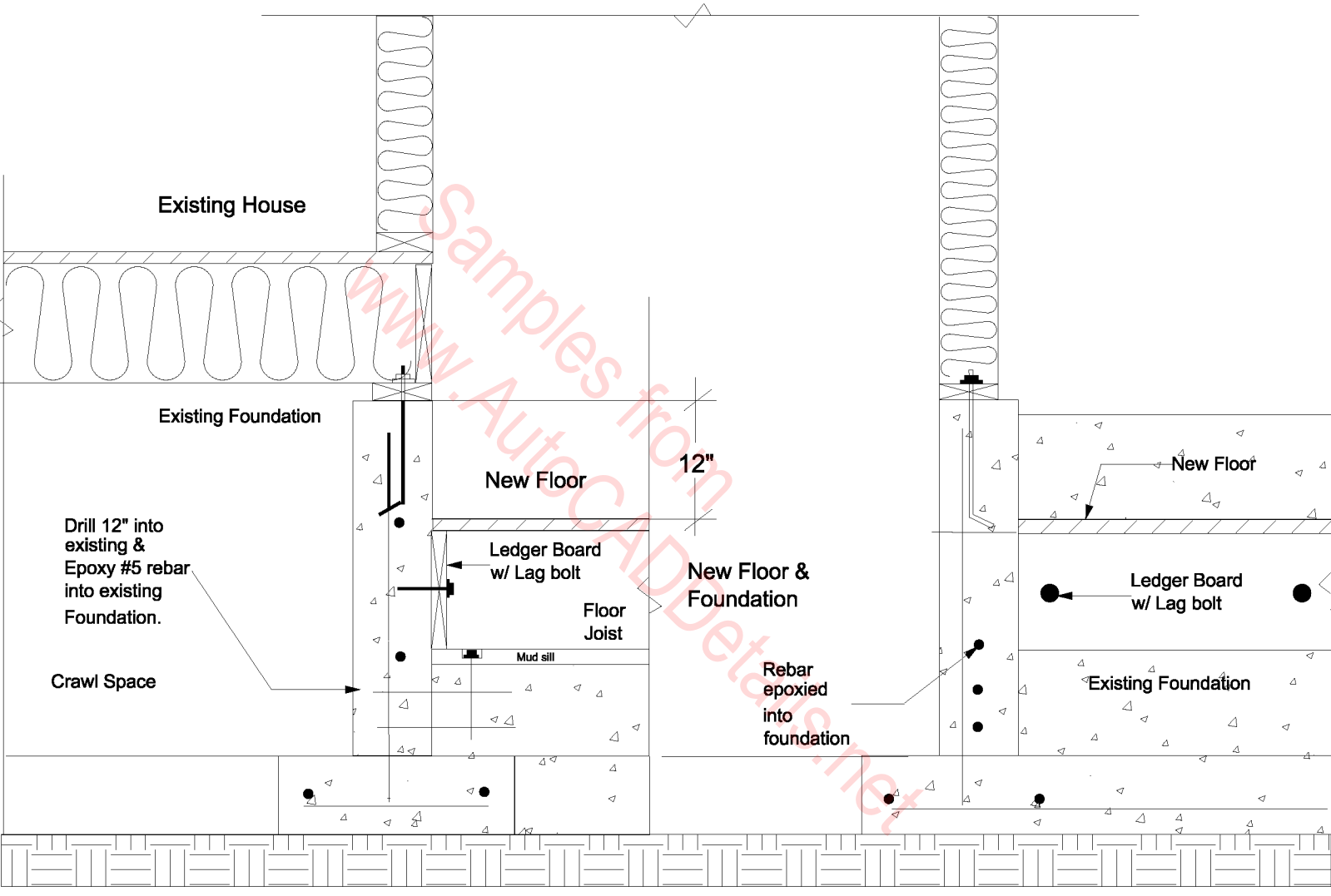


**FOUNDATION CRAWL SPACE
 W/EXTERIOR INSULATION**





FOOTING DETAIL FOR CRAWL SPACE W/CONCRETE/BRICK VENEER



Foundation Attachment to existing structure

Siding as per Customer desire w/
1/2" Bldg paper on 1/2" CDX
Plywood on 2 x 6 Studs @ 24"
O.C.

2 x 6 P.T. Plate
w/sill sealer

4" Perforated
drain w/ filter
fabric and free
draining granular
fill.

1/2" Gyp. BD.

4" Concrete Slab w/ W1.4 x w1.4
-6 x 6 WWF/ 6 mil vapor barrier/
min 4" compacted granular fill
slope to drain.

5/8" x 10" AB's @ 48" O.C. & 12"
from all corners

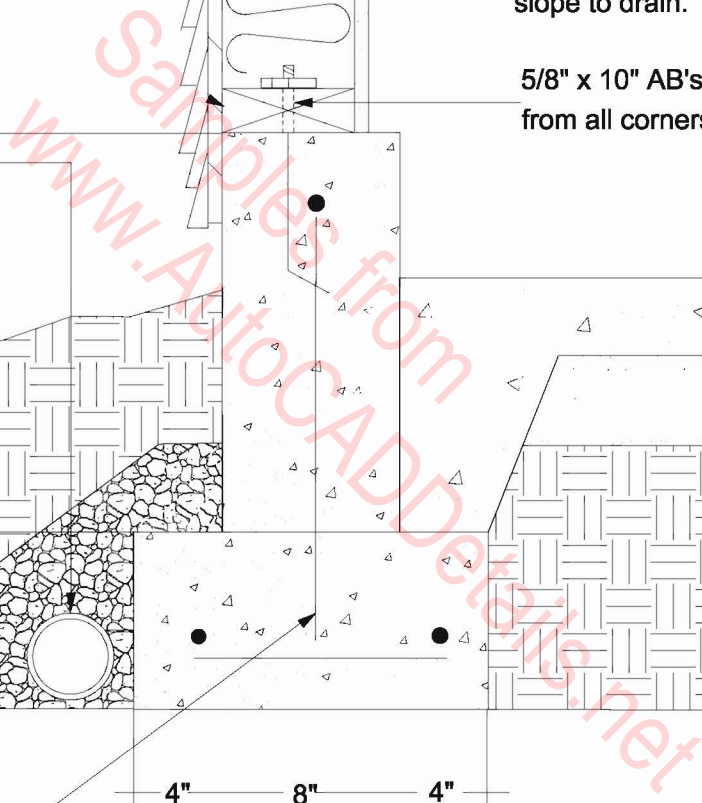
18"

8"

(3) #4 Rebar Cont.
Top & BTM. @ 16" O.C.
Verical Spacing.

4" 8" 4"

FOUNDATION DETAIL Garage (Typical)



Siding as per Customer desire w/
1/2" Bldg paper on 1/2" CDX
Plywood on 2 x 6 Studs @ 24"
O.C.

2 x 6 P.T. Plate
w/sill sealer

4" Perforated
drain w/ filter
fabric and free
draining granular
fill.

1/2" Gyp. BD.

4" Concrete Slab w/ W1.4 x w1.4
-6 x 6 WWF/ 6 mil vapor barrier/
min 4" compacted granular fill
slope to drain.

5/8" x 10" AB's @ 48" O.C. & 12"
from all corners

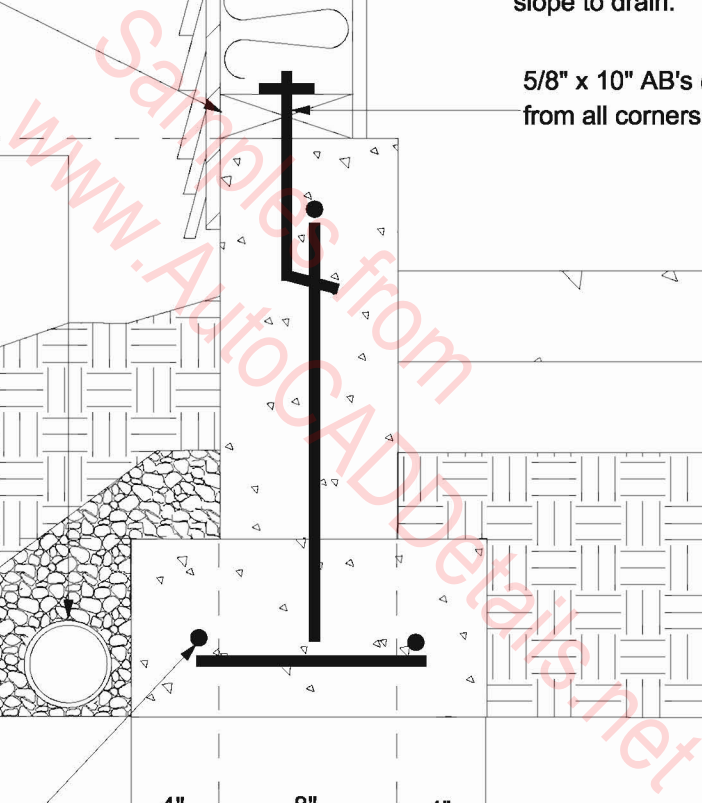
18"

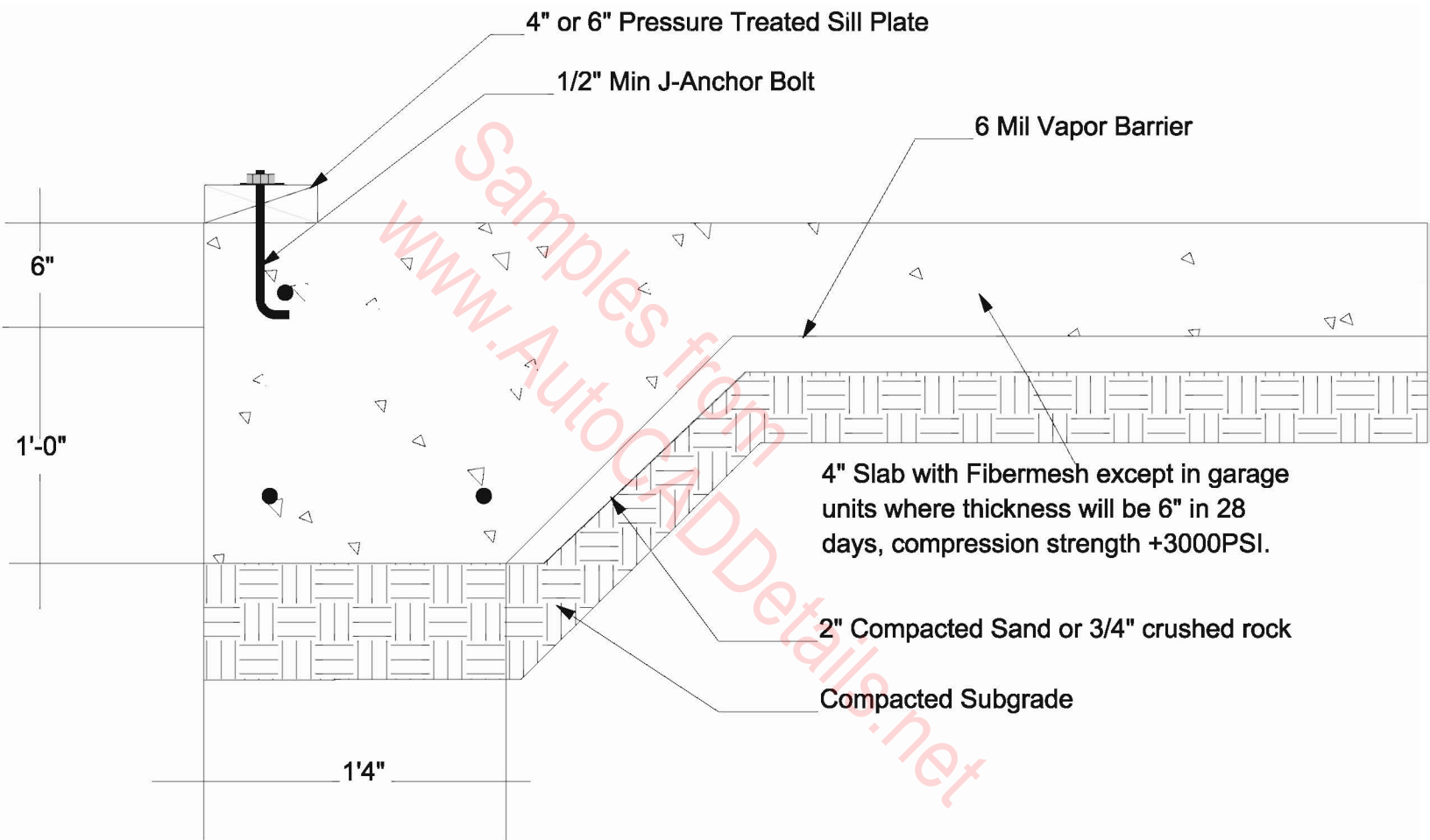
8"

(3) #4 Rebar Cont.
Top & BTM. @ 16" O.C.
Verical Spacing.

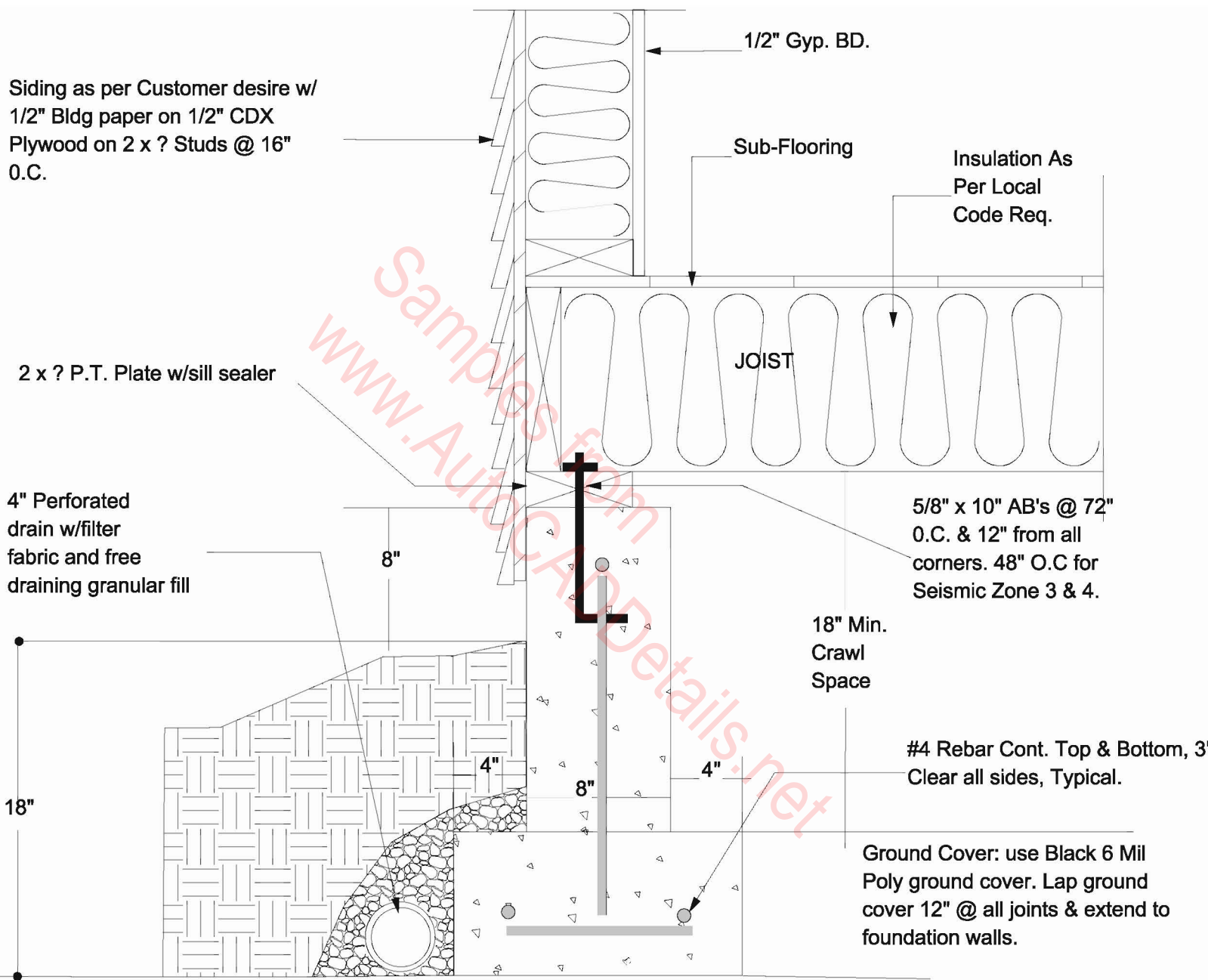
4" 8" 4"

FOUNDATION DETAIL Garage (Typical)





FOUNDATION DETAIL--SLAB



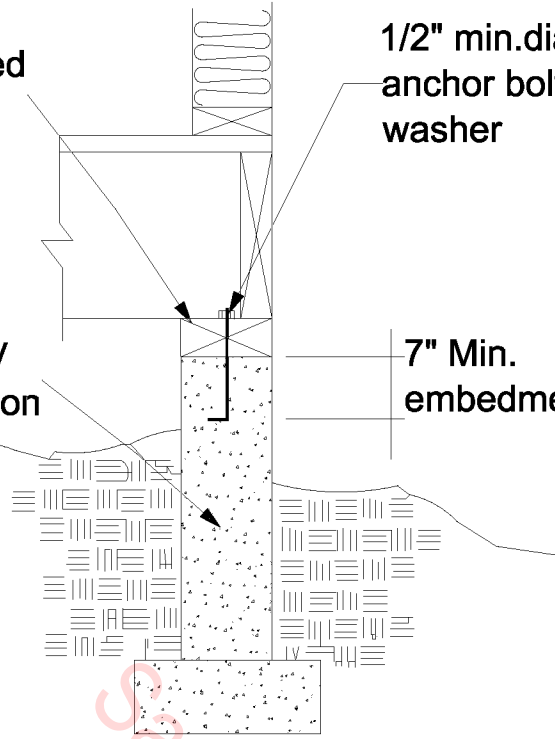
FOUNDATION DETAIL
Typical

2x pressure-treated sill plate

1/2" min.diameter anchor bolt with washer

Masonry foundation

7" Min. embedment

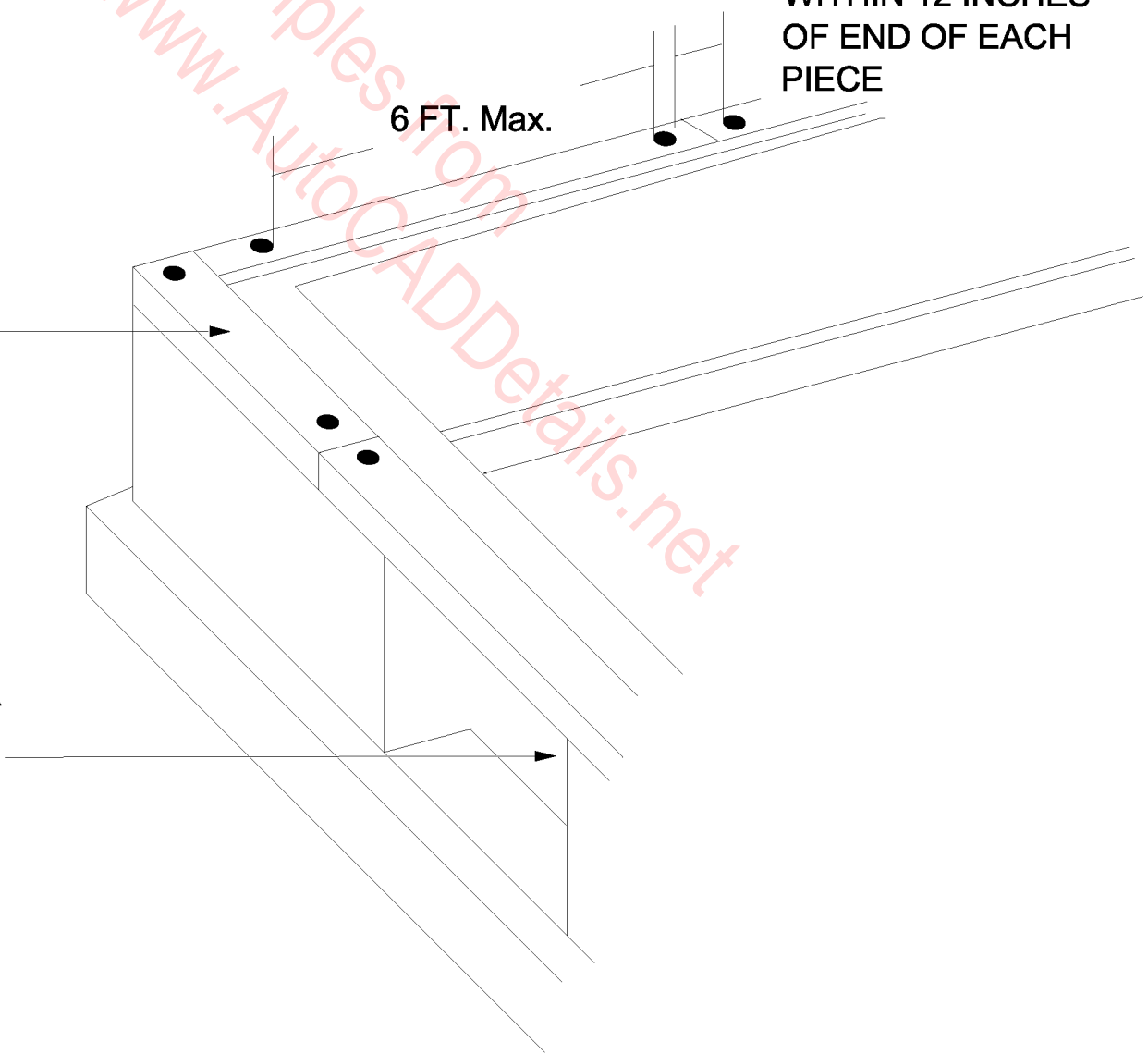


WITHIN 12 INCHES OF END OF EACH PIECE

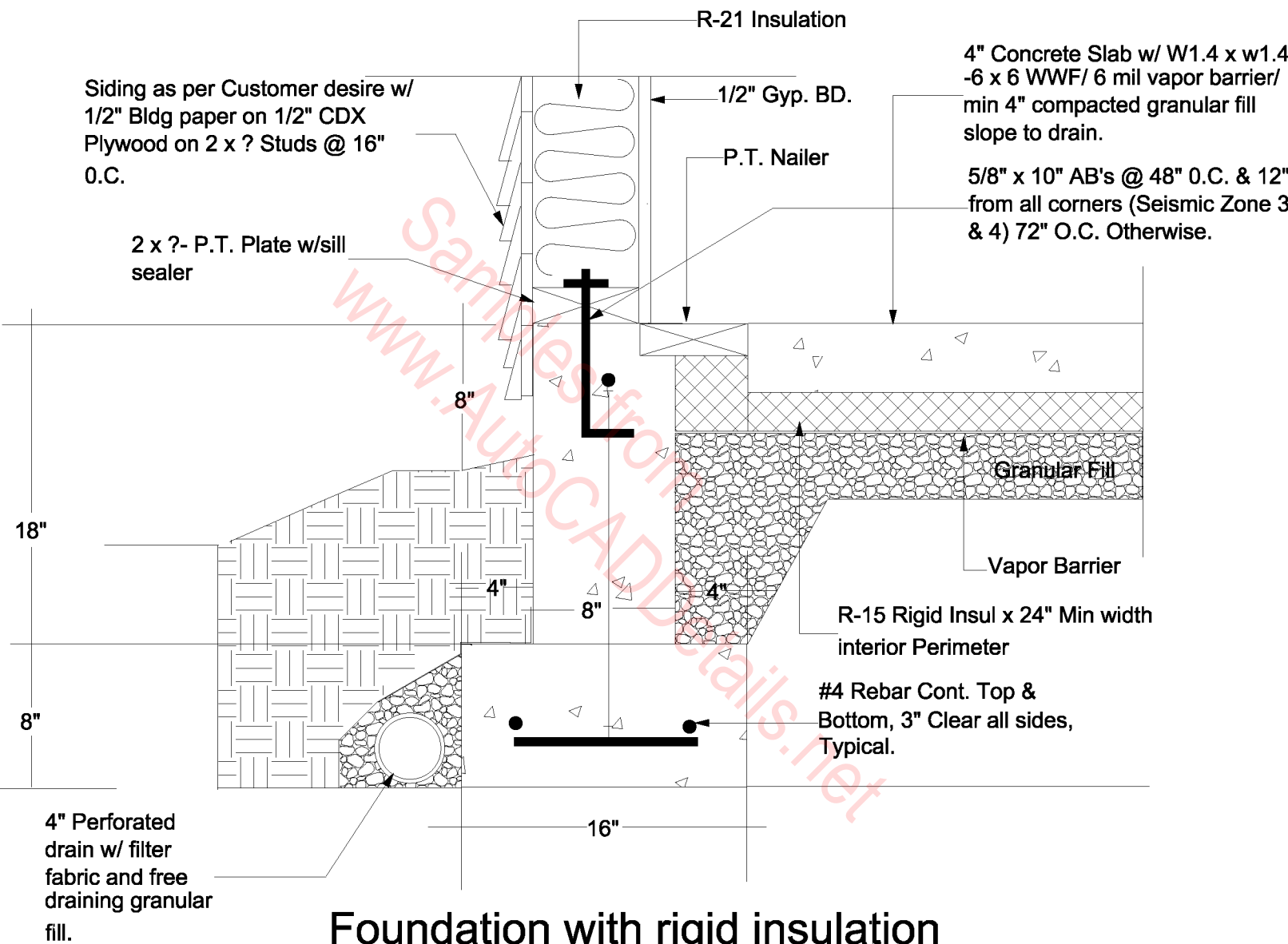
6 FT. Max.

MINIMUM OF TWO BOLTS PER PIECE

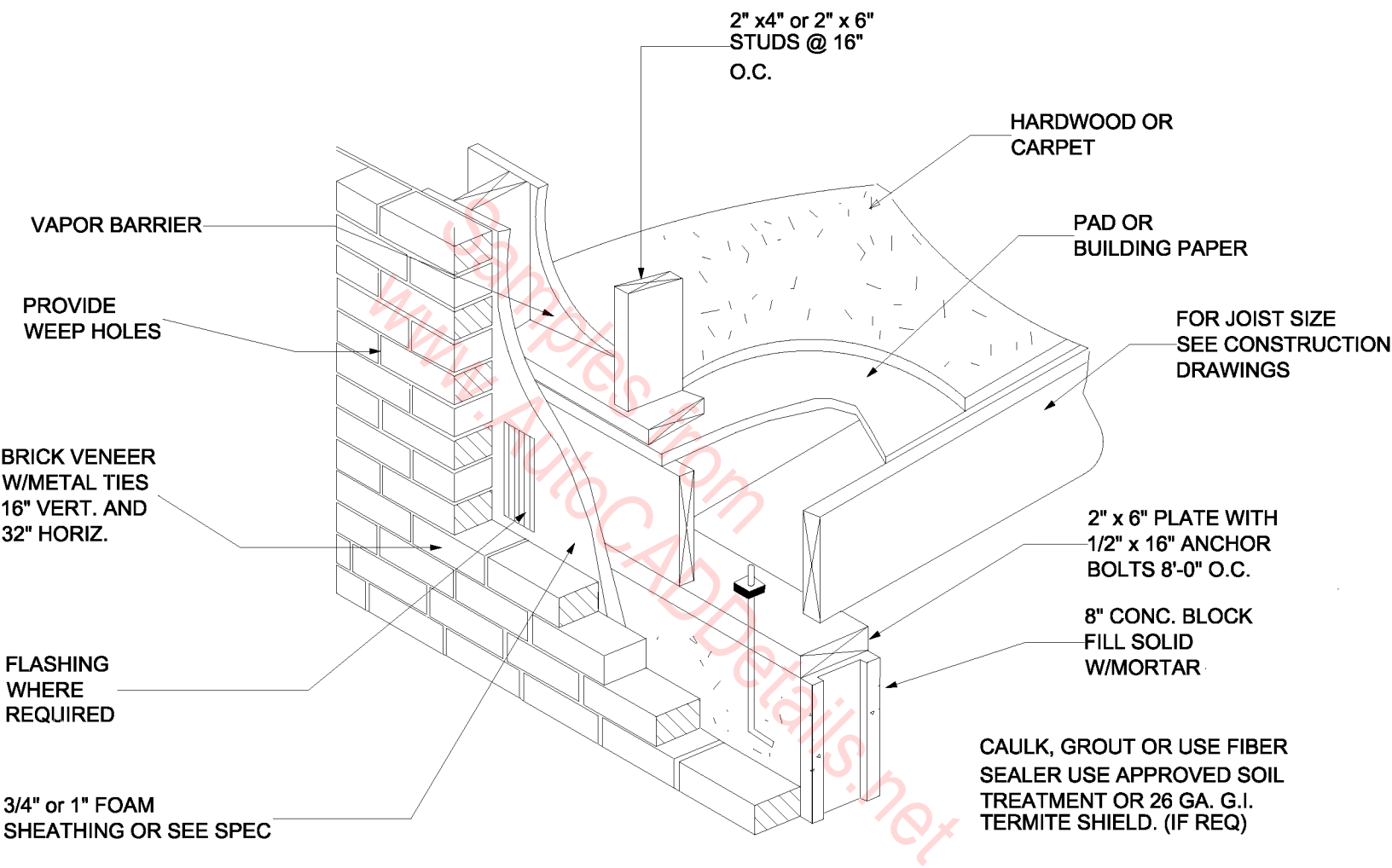
UNDERFLOOR ACCESS OPENING 18" X 24" MIN.



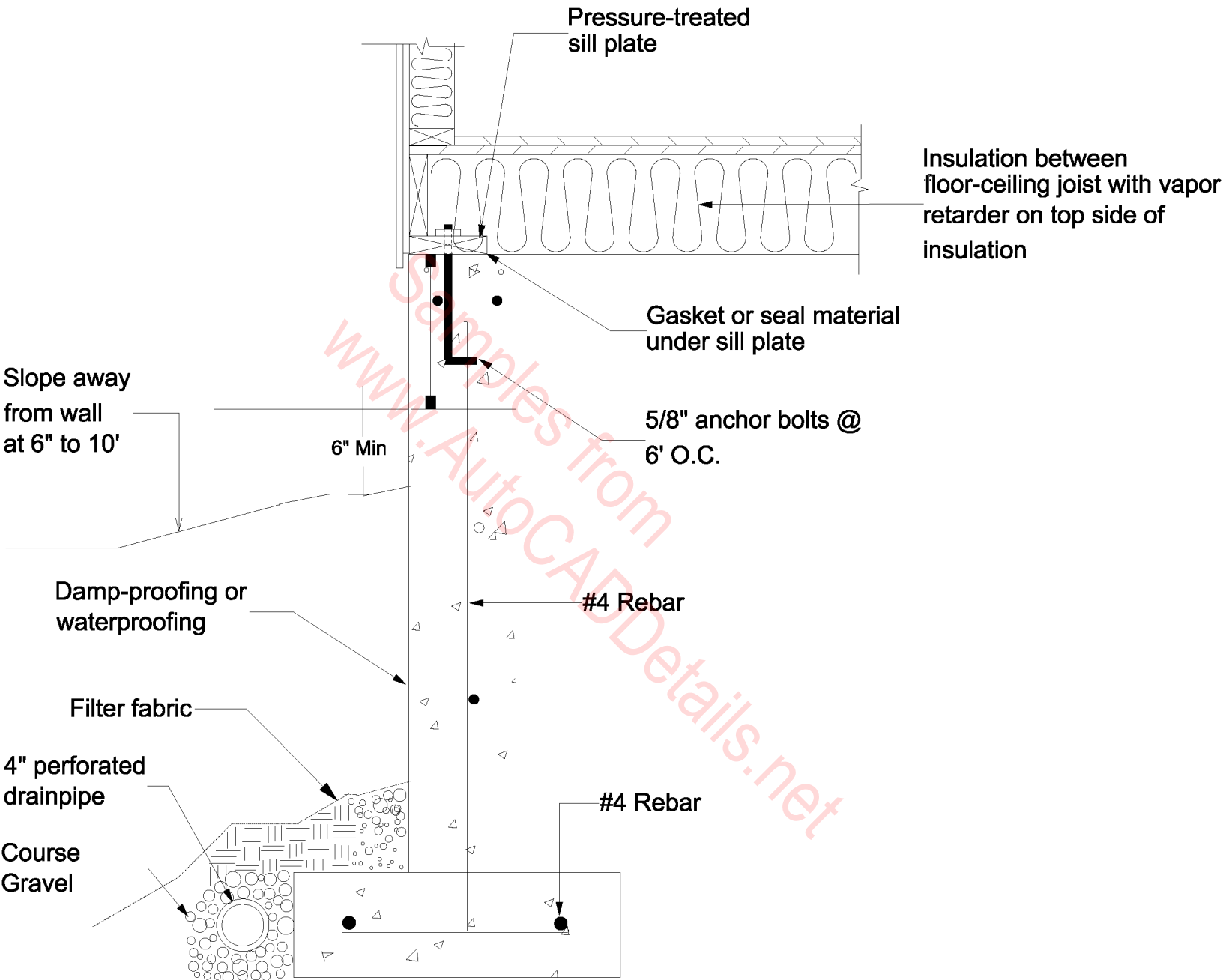
Foundation Plates or Sills
(Code Requirement 2320.6 UBC)



**Foundation with rigid insulation
Garage**



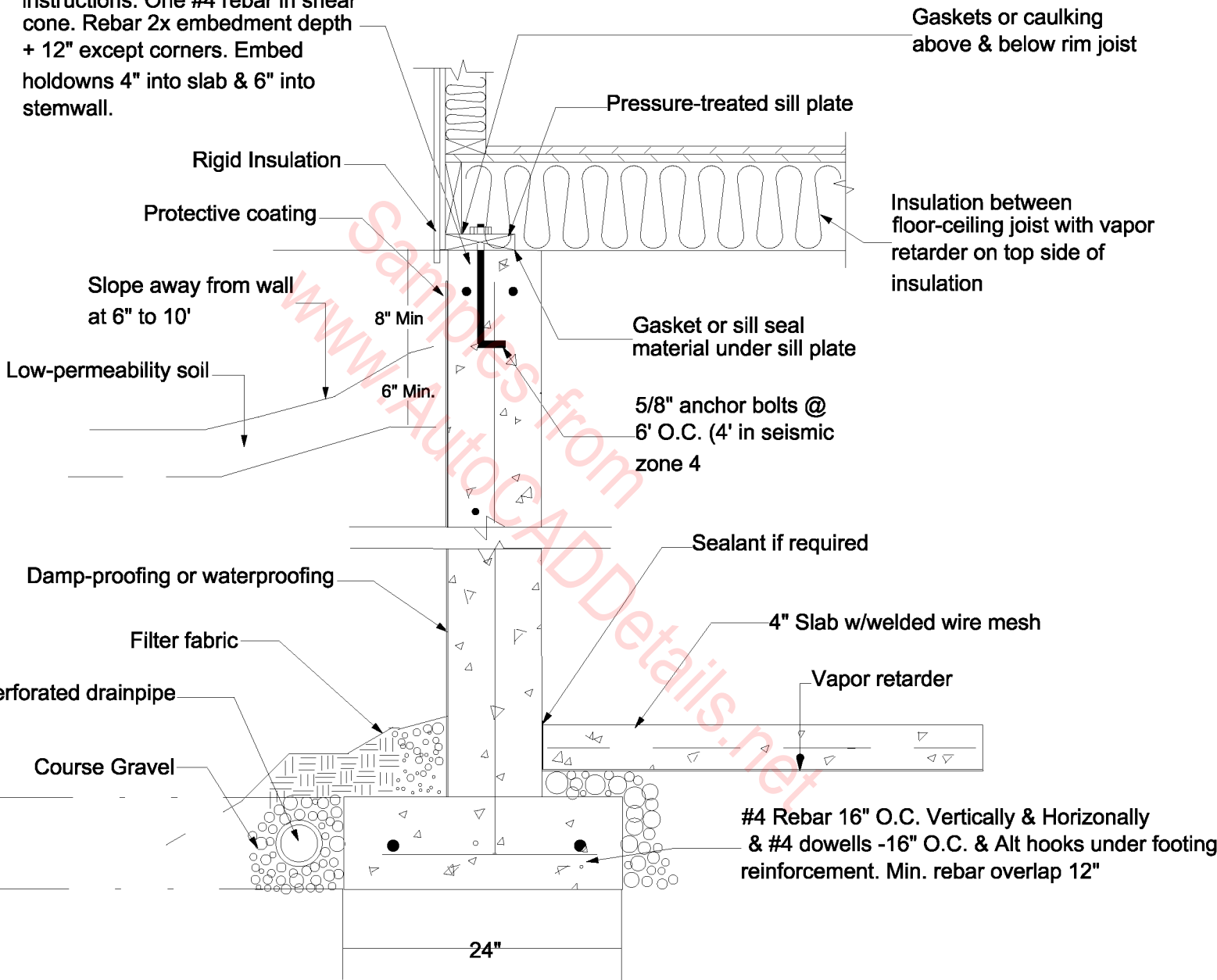
**FOUNDATION WALL
W/CONCRETE BLOCKS &
BRICK VENEER**



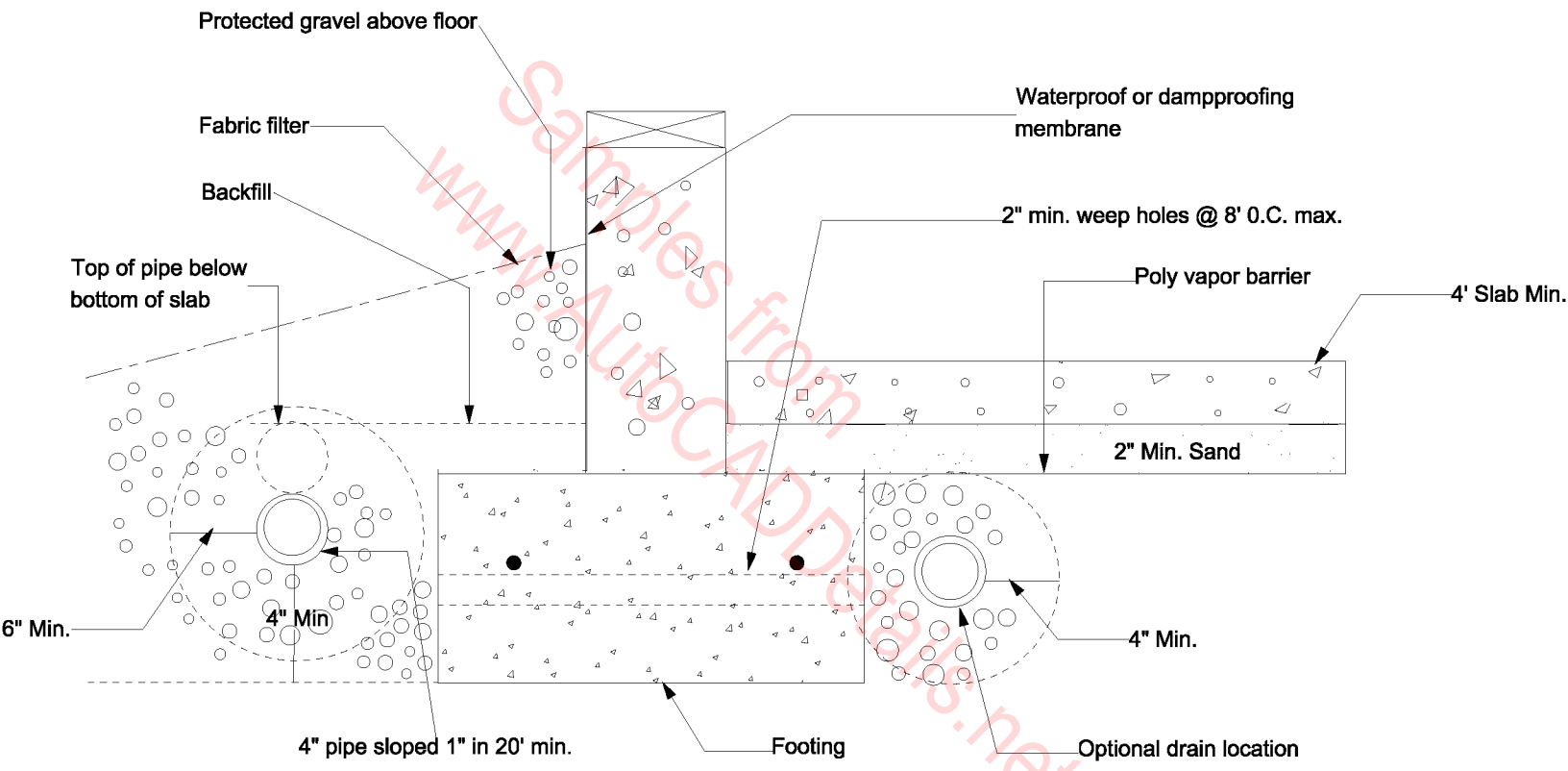
**Concrete Crawl Space
Wall w/ceiling insulation**

Note: Install Simpson HPAHD @ edge of mudsill per MFG instructions. One #4 rebar in shear cone. Rebar 2x embedment depth + 12" except corners. Embed holdowns 4" into slab & 6" into stemwall.

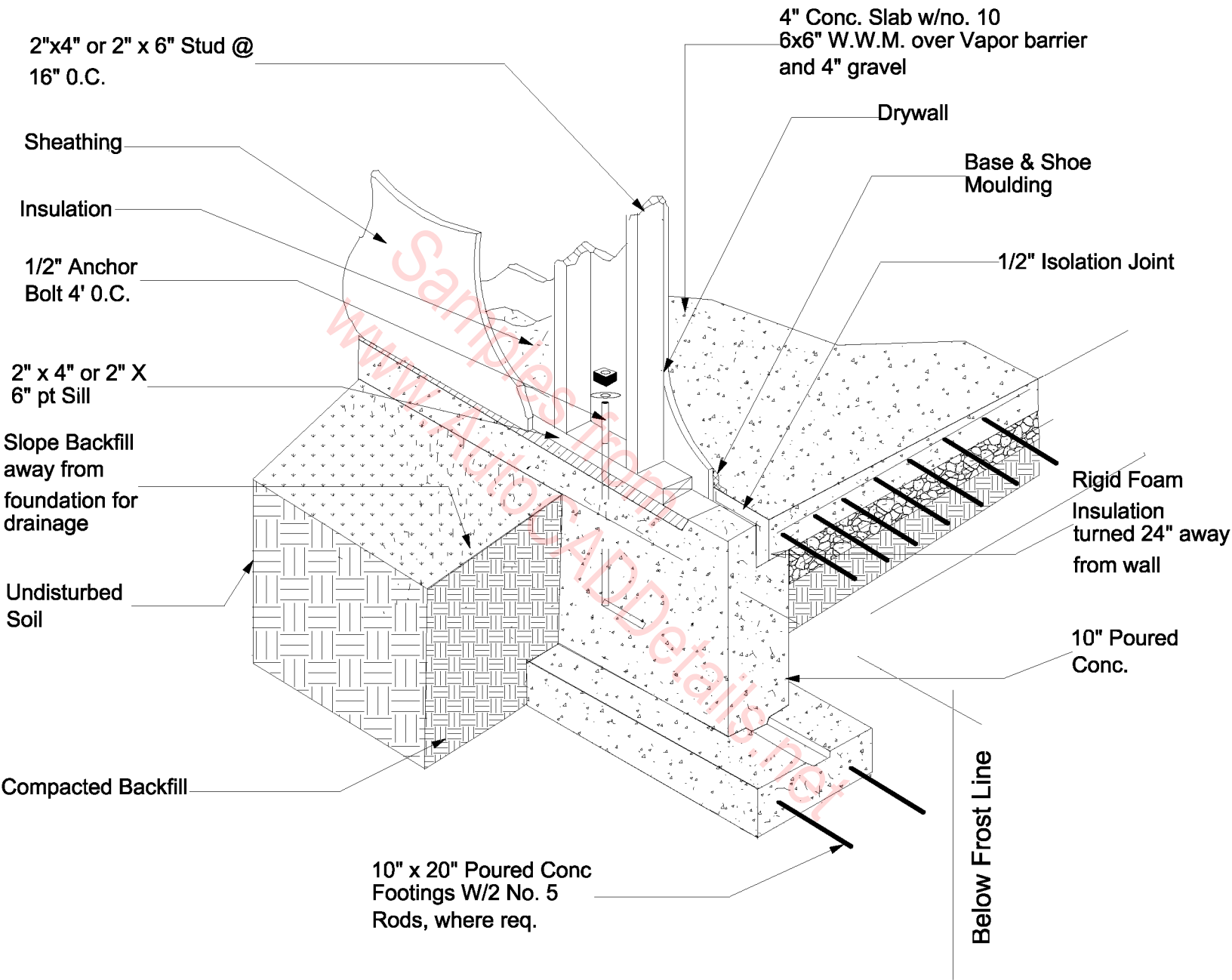
One #4 rebar in shear cone. Rebar 2x embedment depth + 12" except corners. Embed holdowns 4" into slab & 6" into stemwall.



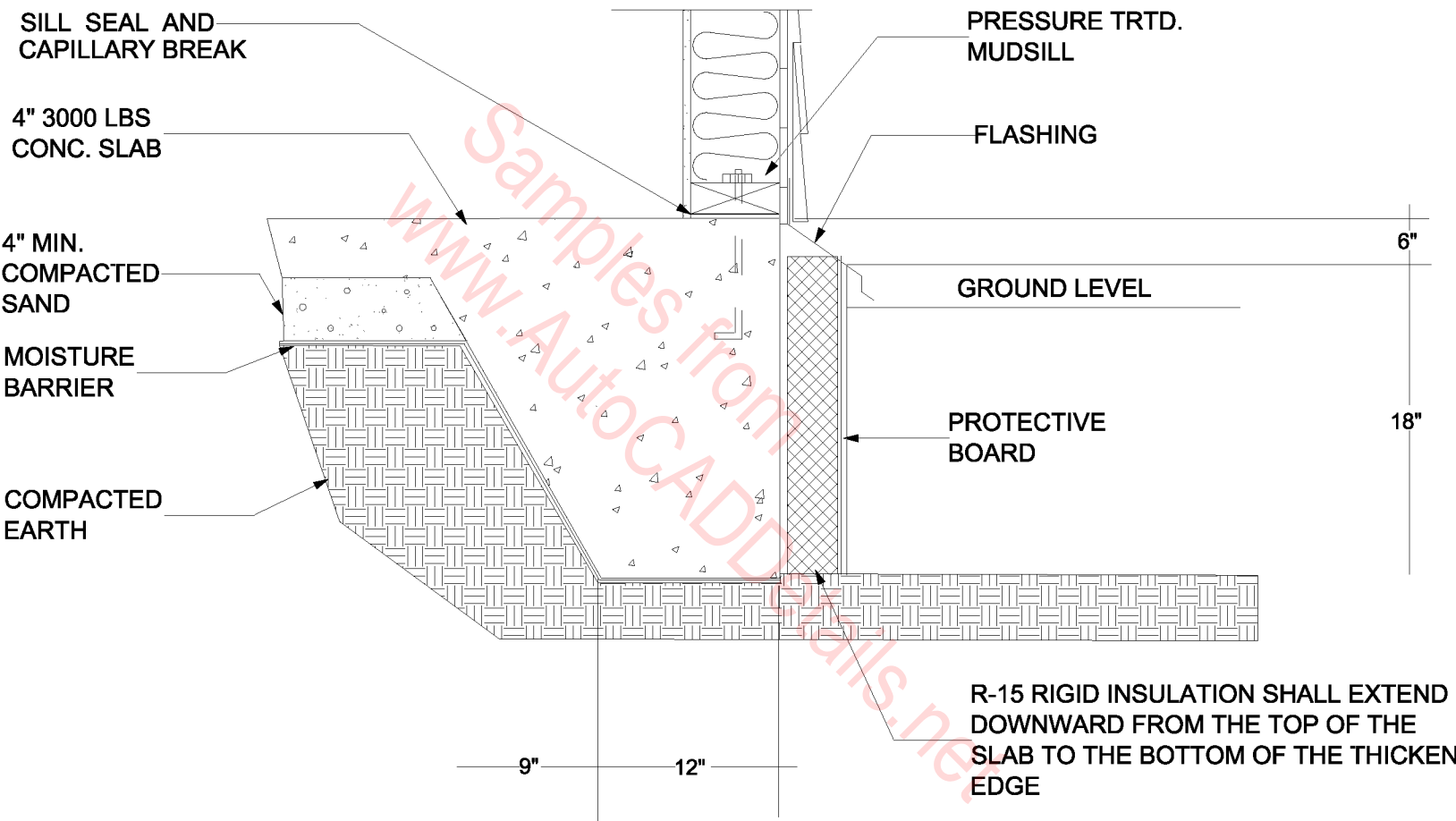
Foundation wall with basement slab.



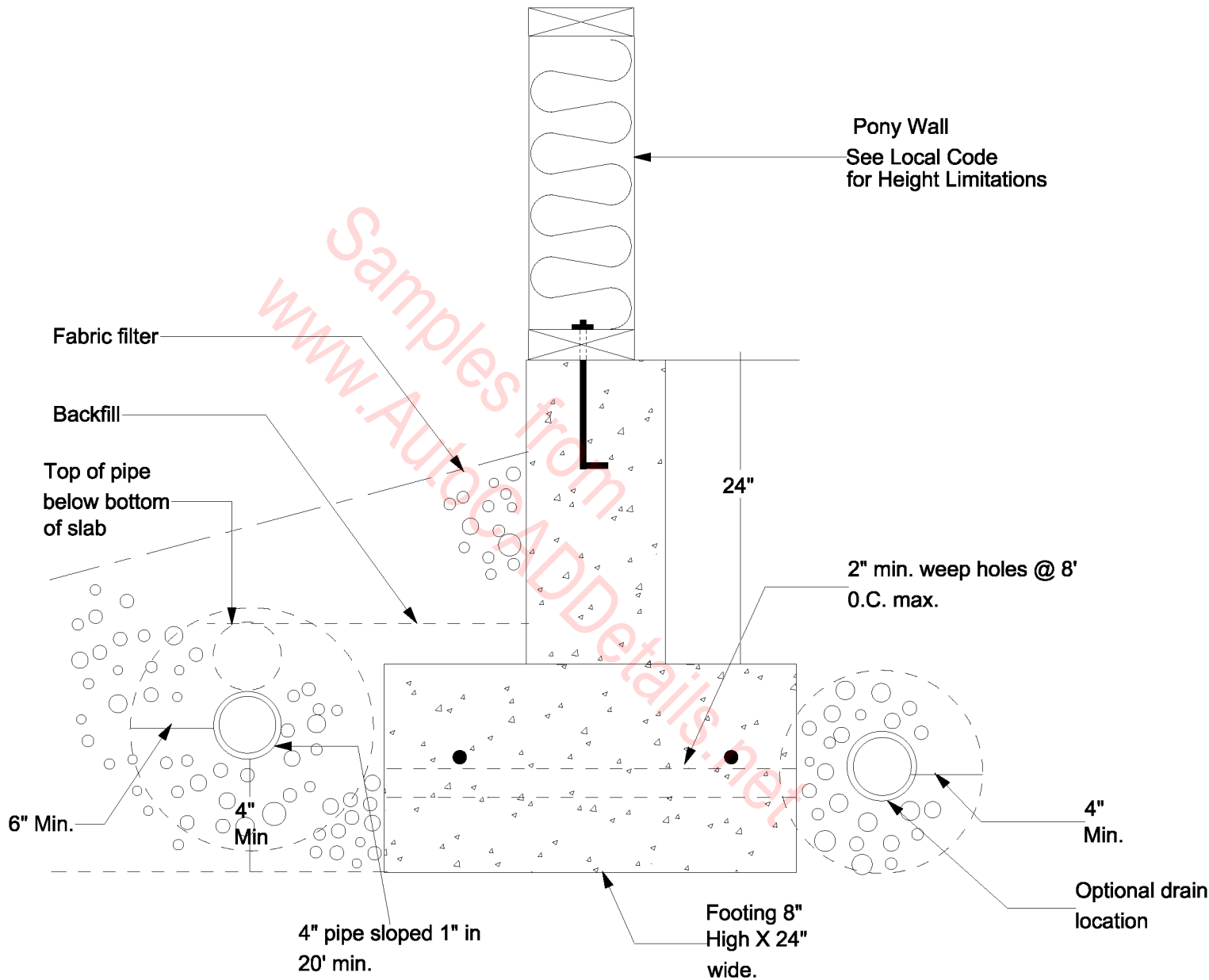
PERIMETER DRAIN PLACEMENT



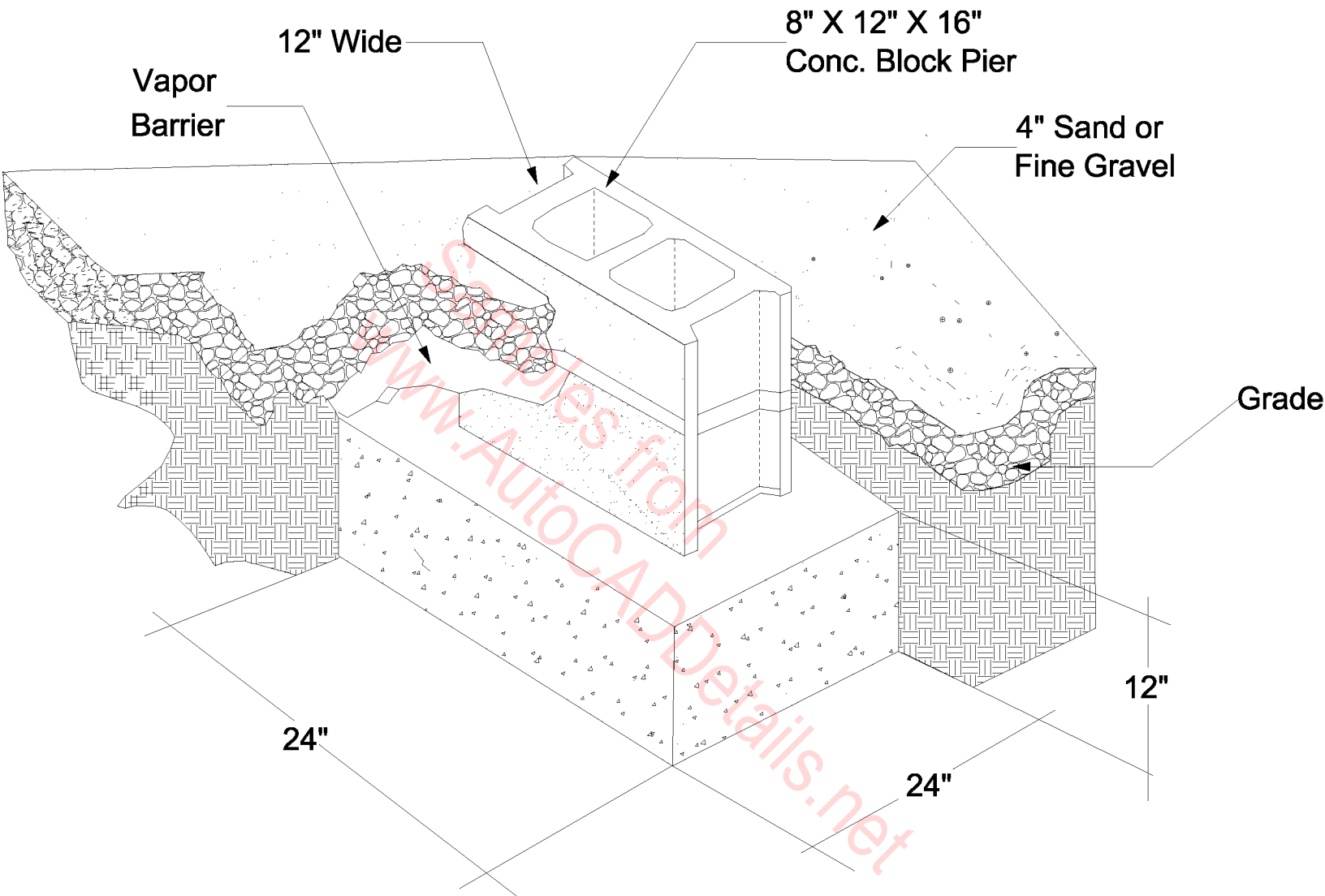
ISOMETRIC SECTION OF FRAME CONSTRUCTION WITH SLAB FLOOR



MONOLITHIC SLAB ON GRADE

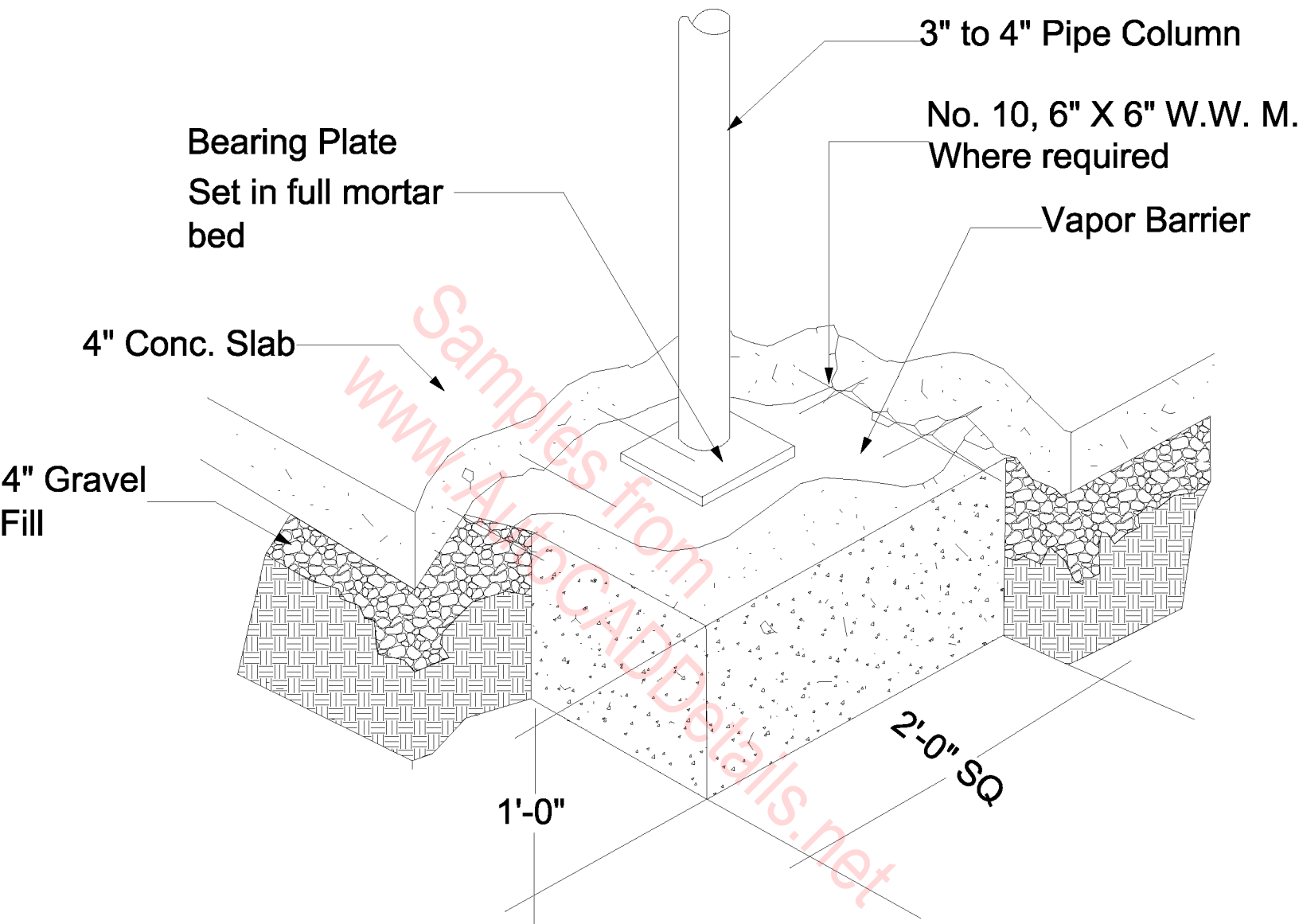


PERIMETER DRAIN PLACEMENT (High water)



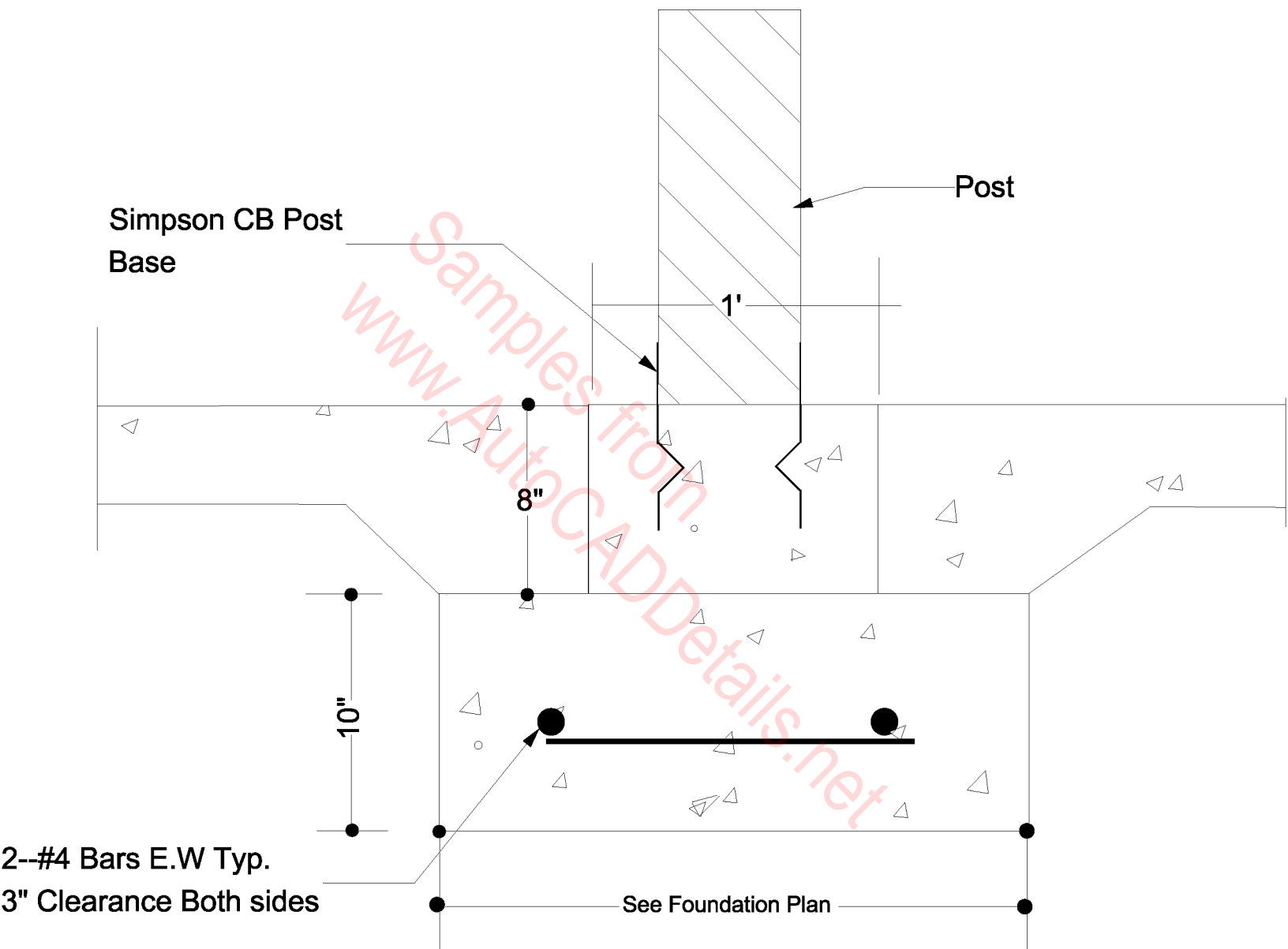
NOTE: BLOCK COURSING
SHOULD MATCH EXTERIOR
FOUNDATION WALL

PIER FOOTING FOR CRAWL SPACE WITH
CONCRETE BLOCKS

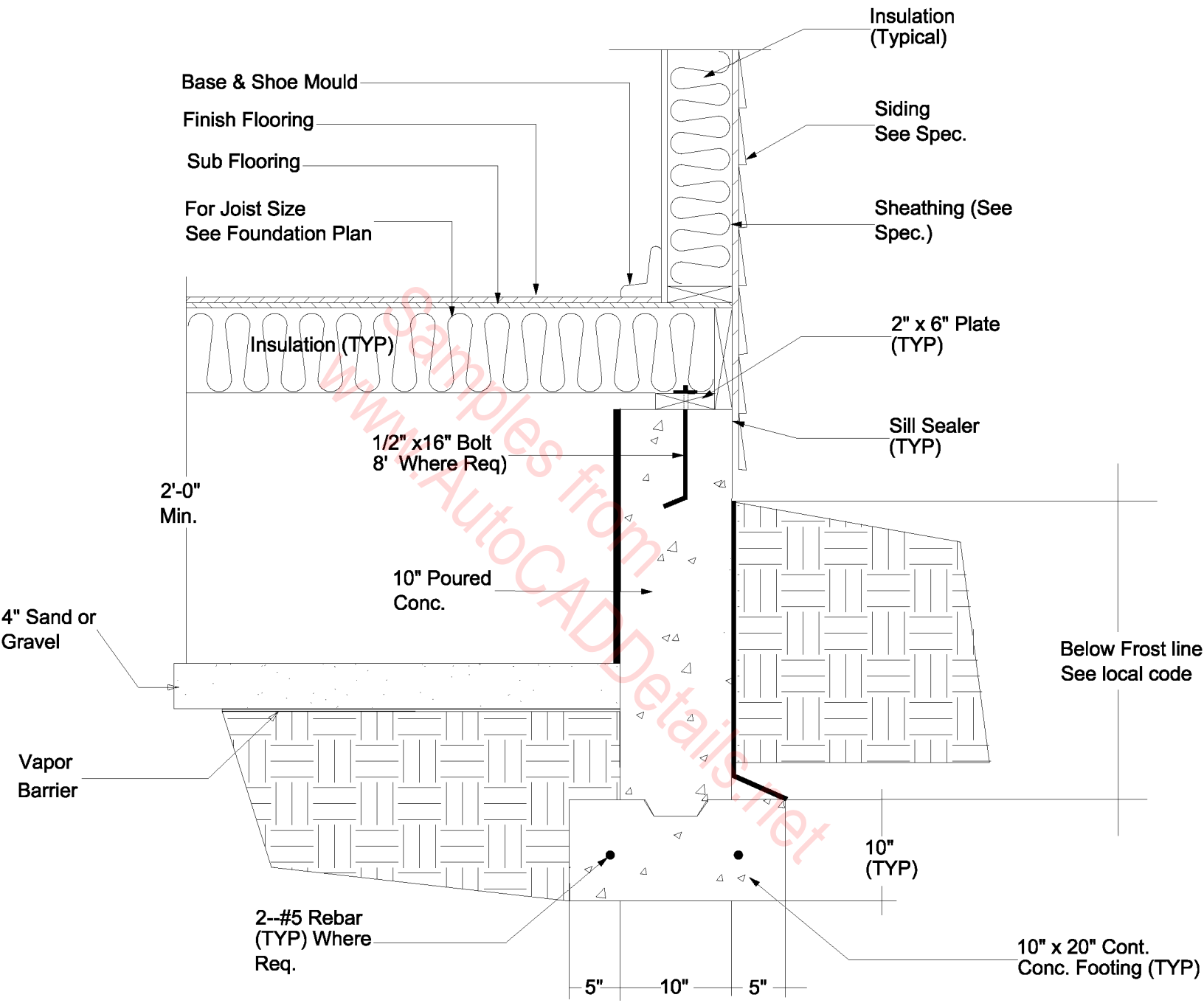


NOTE: ONE STORY PLANS SHOWN.
 FOR TWO STORIES PLANS, USE
 2'-6" SQUARE X 1'-4" HIGH.

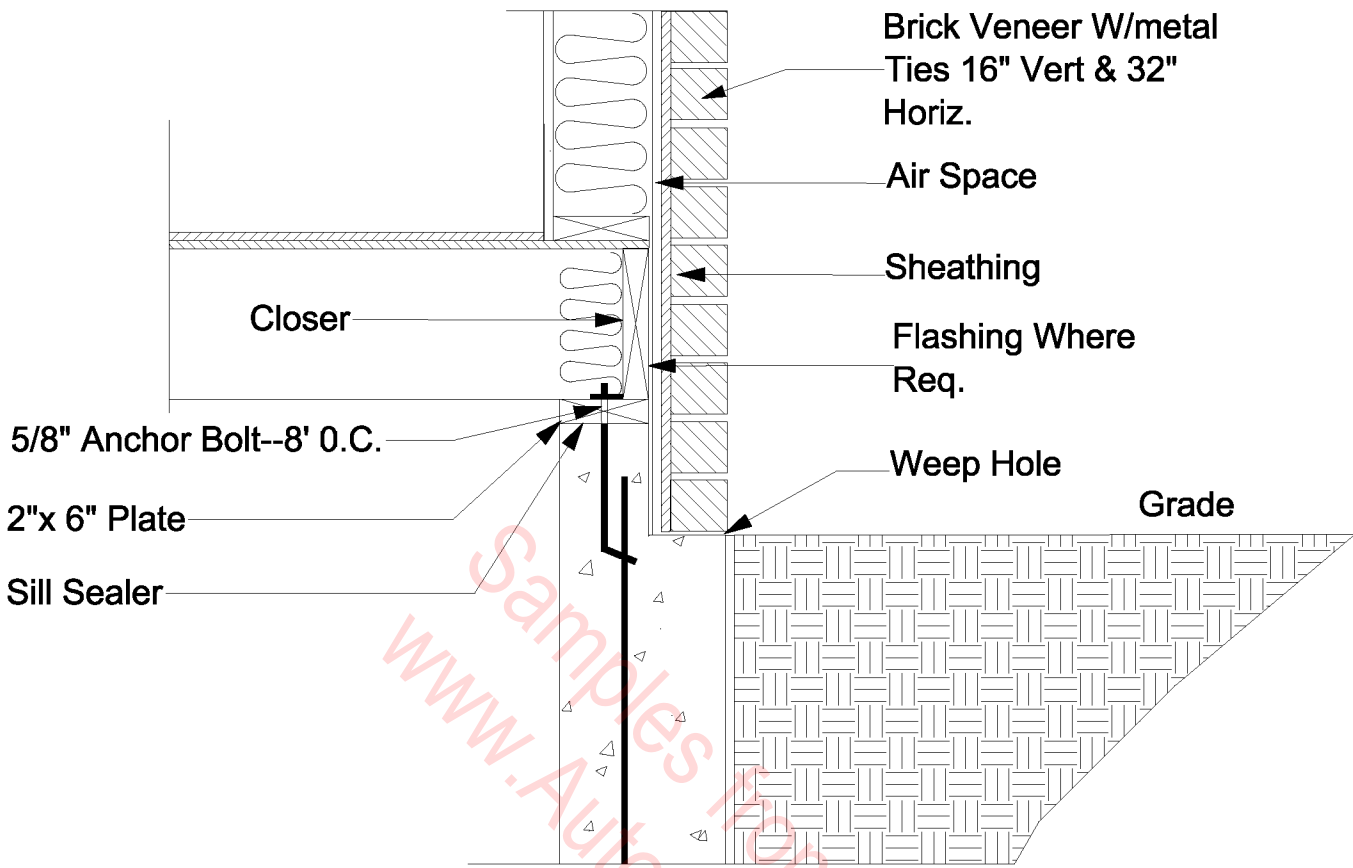
**PIPE COLUMN FOOTING FOR A
 BASEMENT**



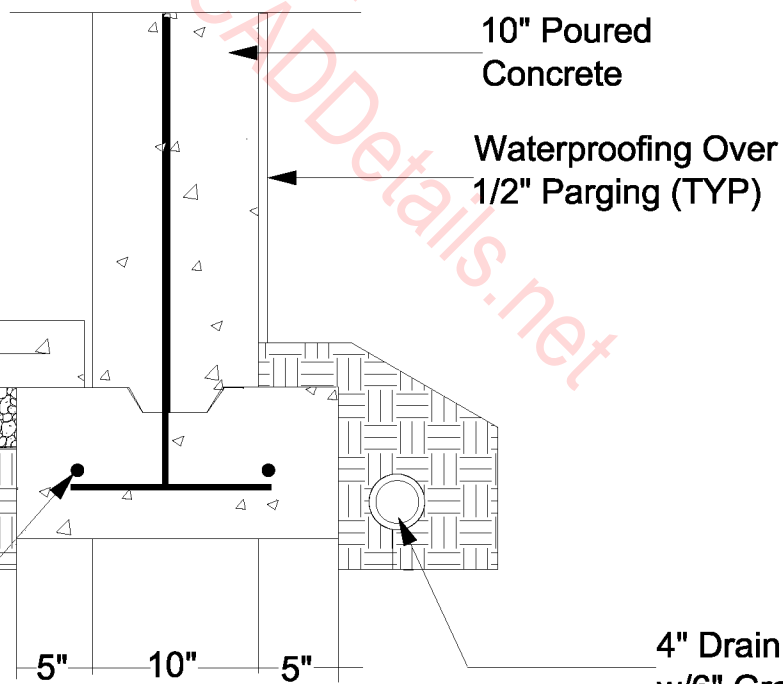
POST FOOTING DETAIL



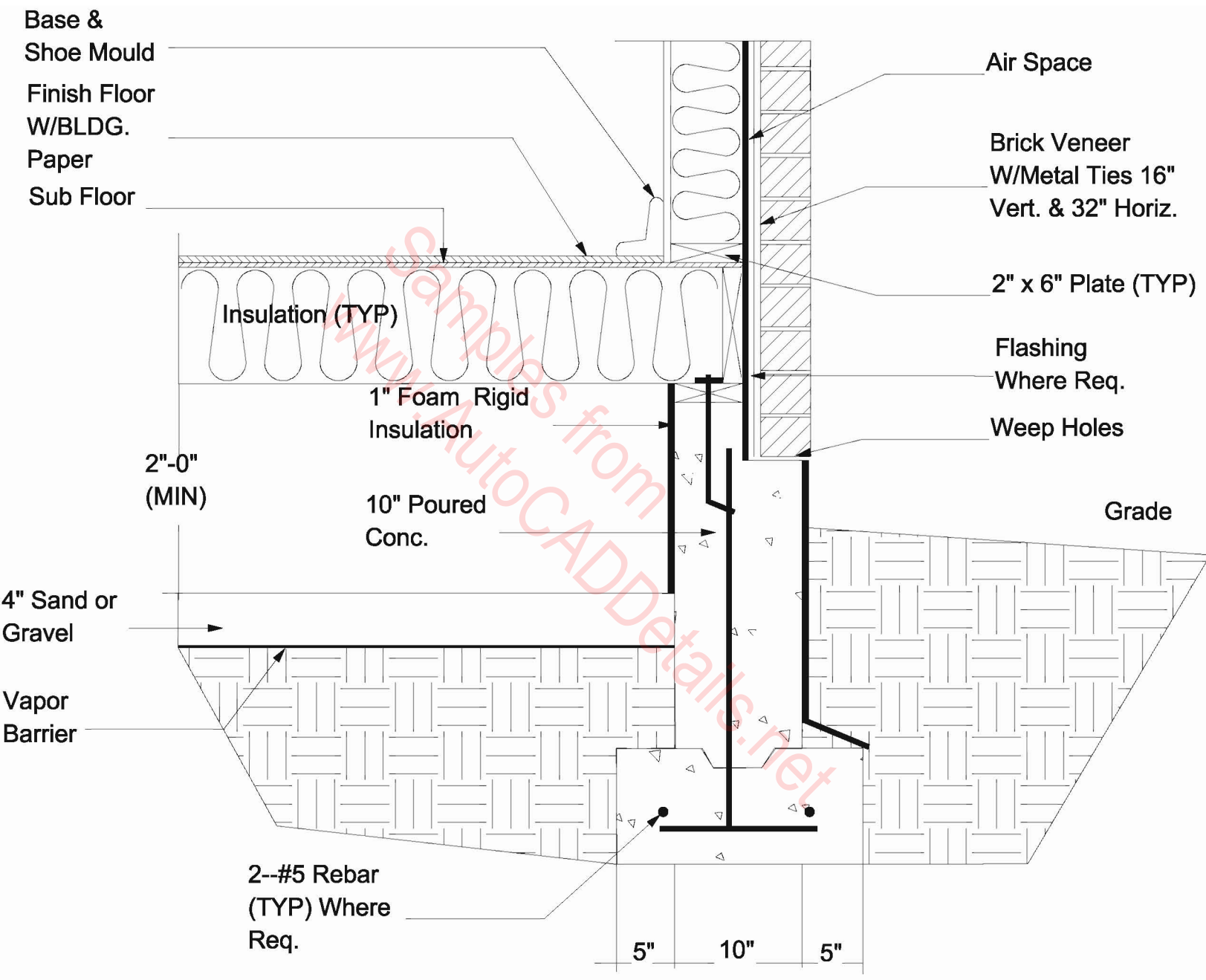
POURED CONCRETE WITH SIDING OR STUCCO AND CRAWL SPACE



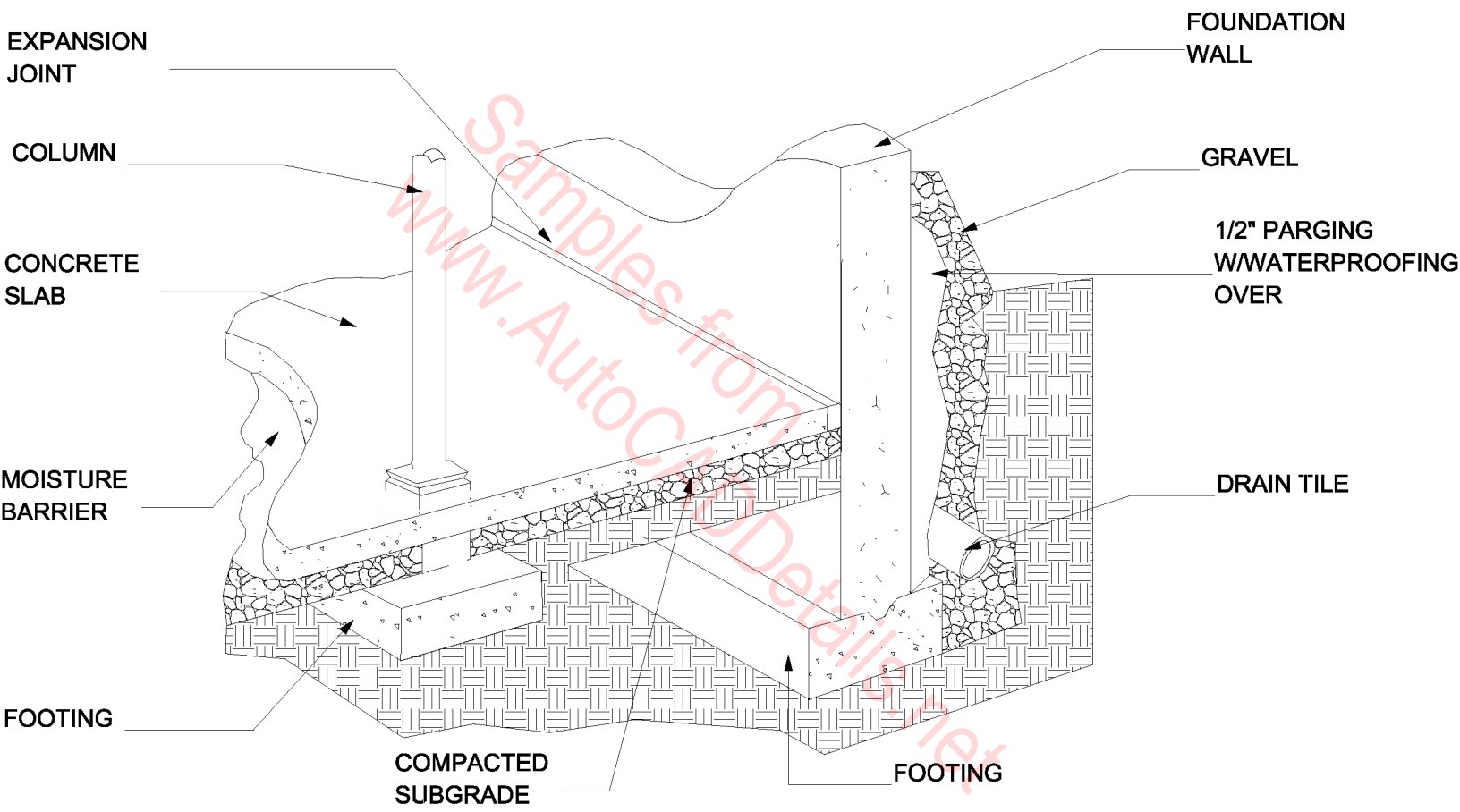
4" Conc. Slab W/No 10, 6"x6" W.W.M. as req. over membrane & 4" gravel. (TYP)



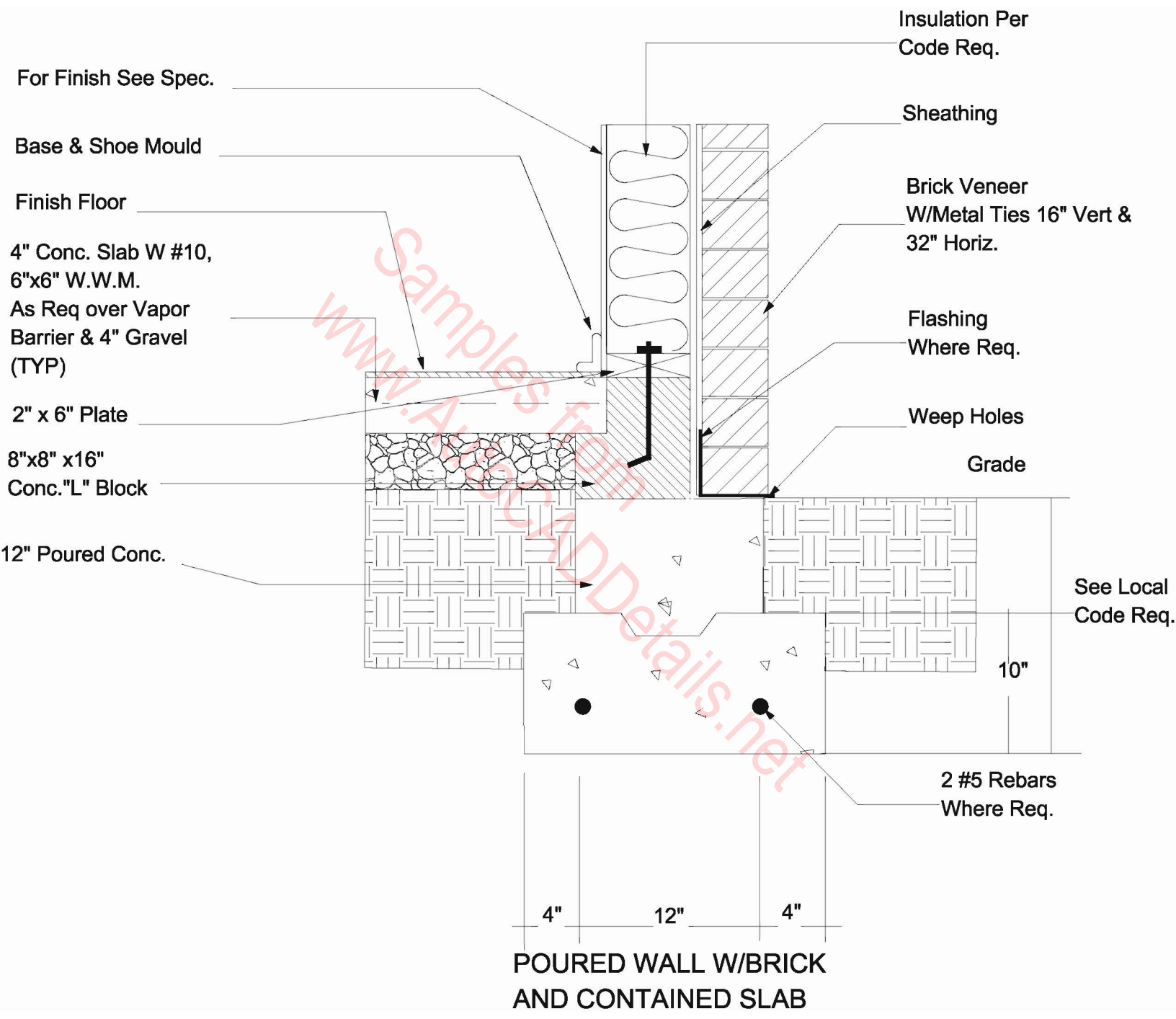
**POURED CONCRETE WALL
W/BRICK AND BASEMENT**

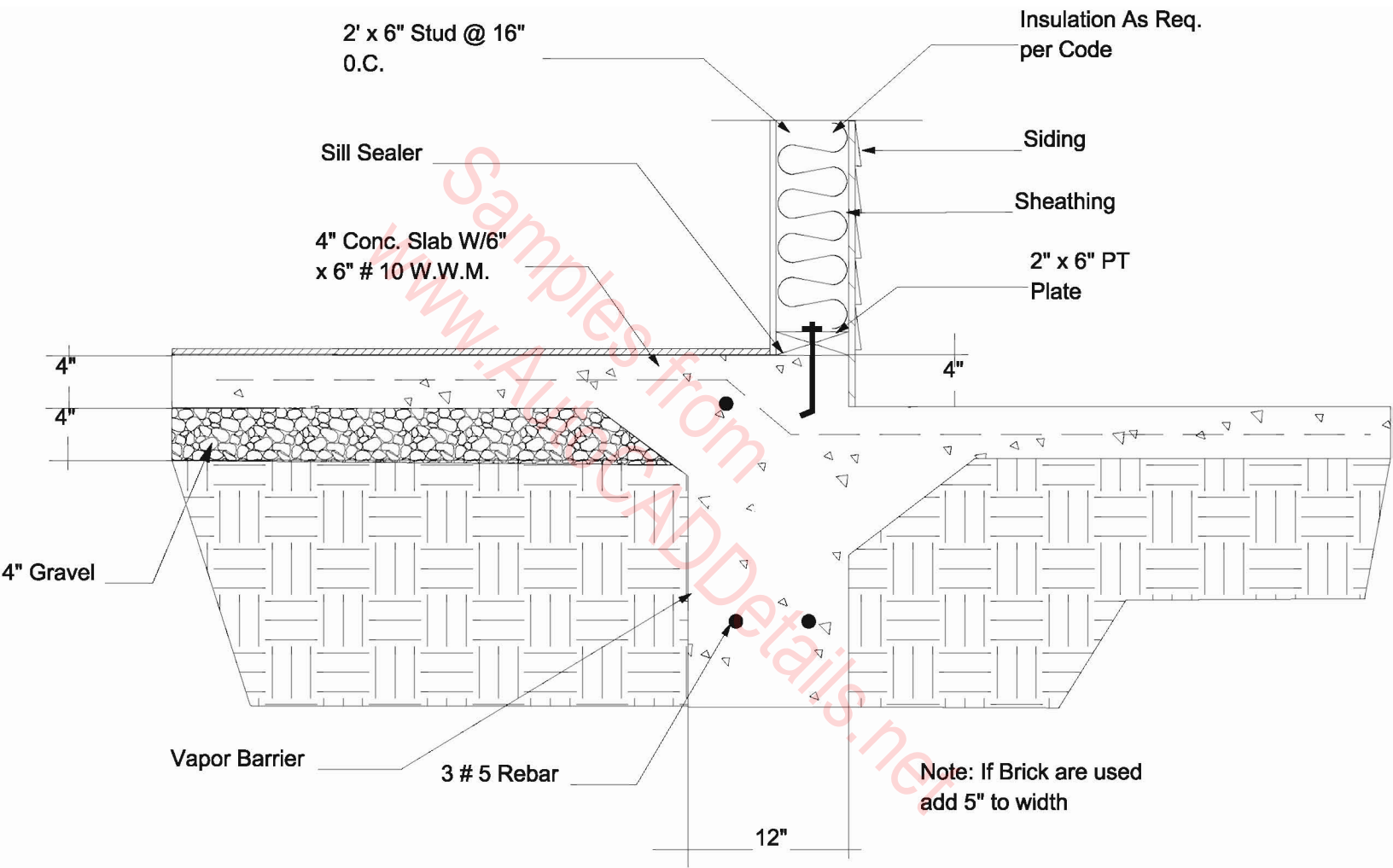


POURED CONCRETE WITH BRICK AND CRAWL SPACE

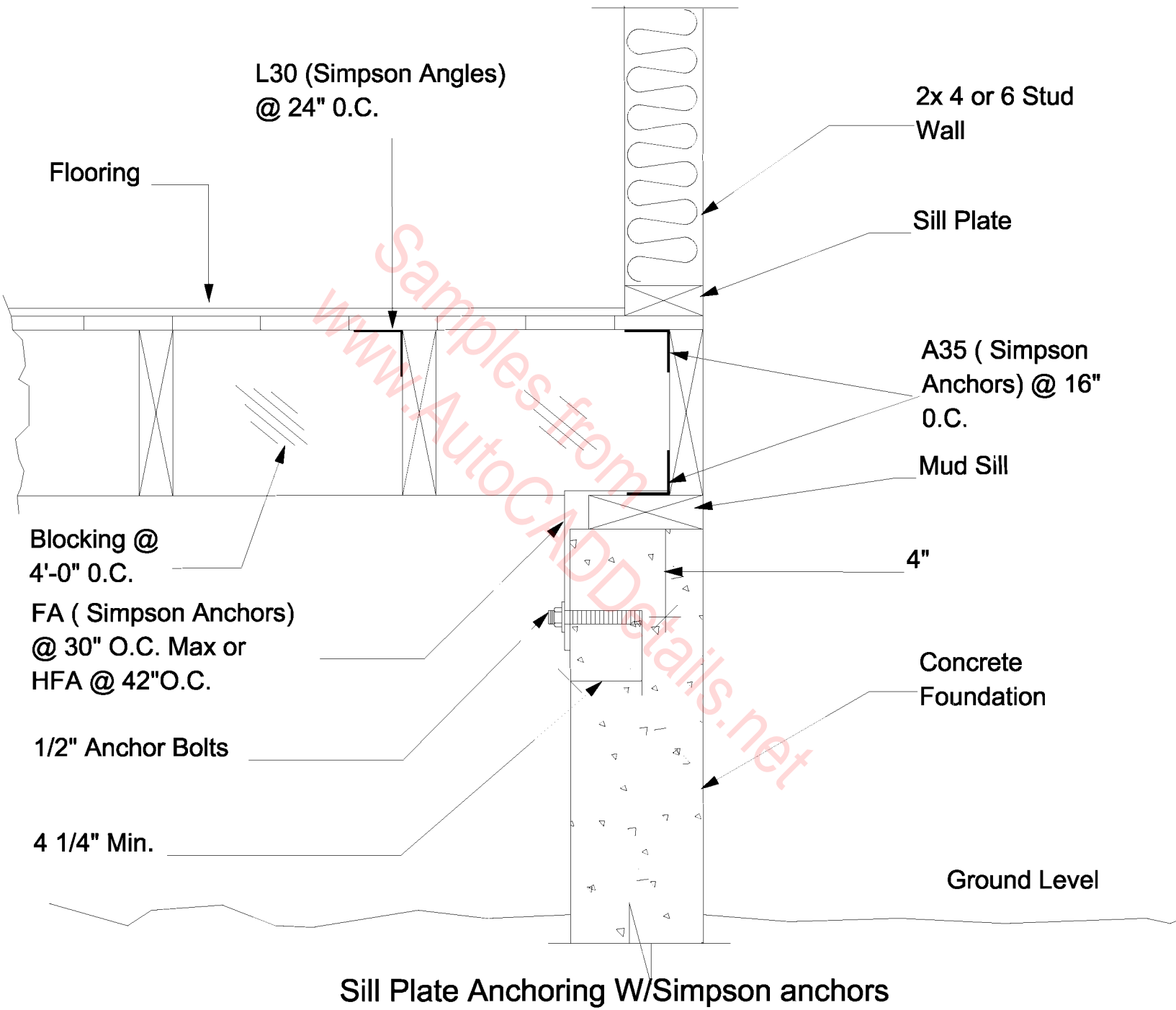


POURED-CONCRETE FOUNDATION WALL

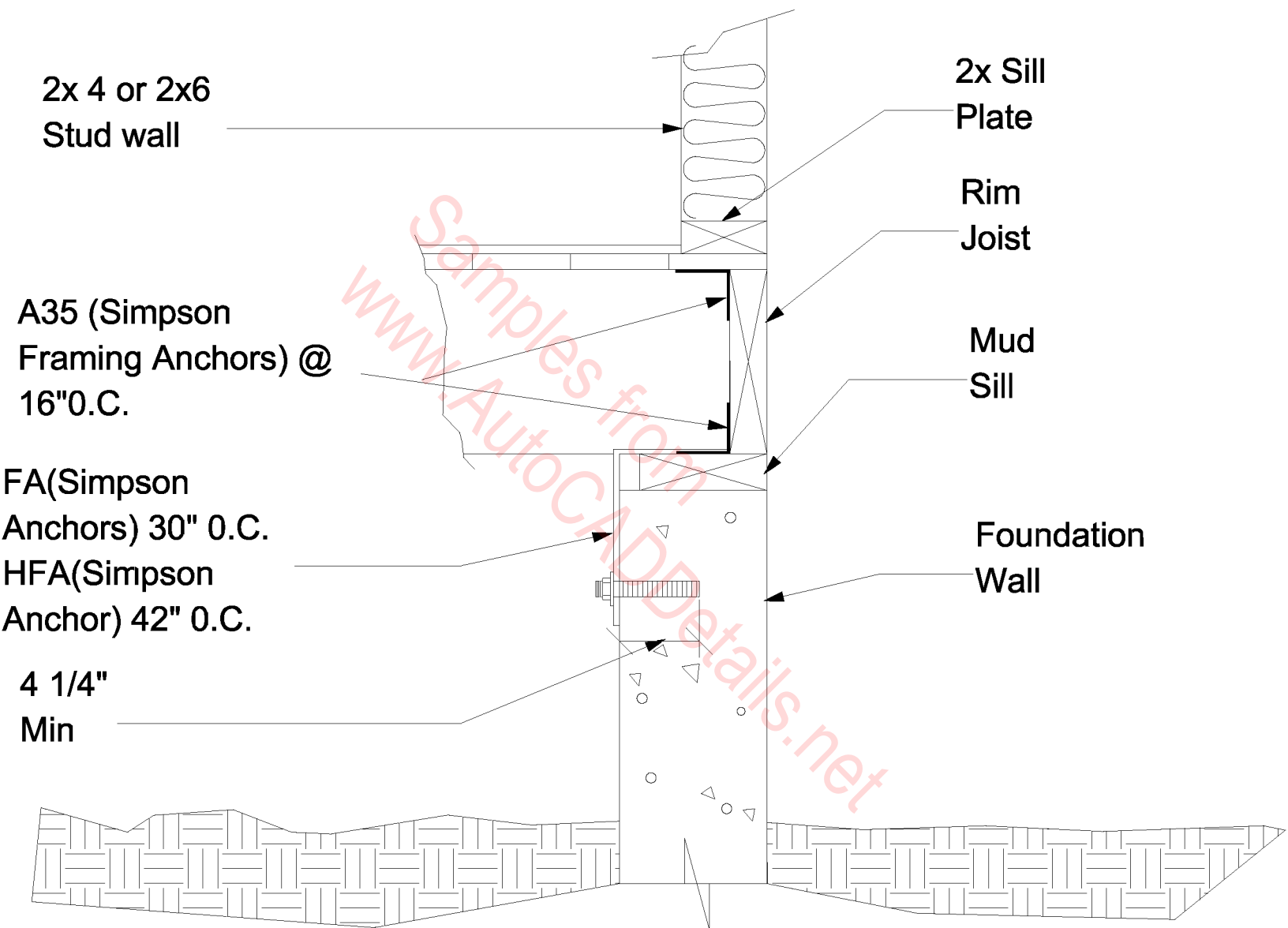




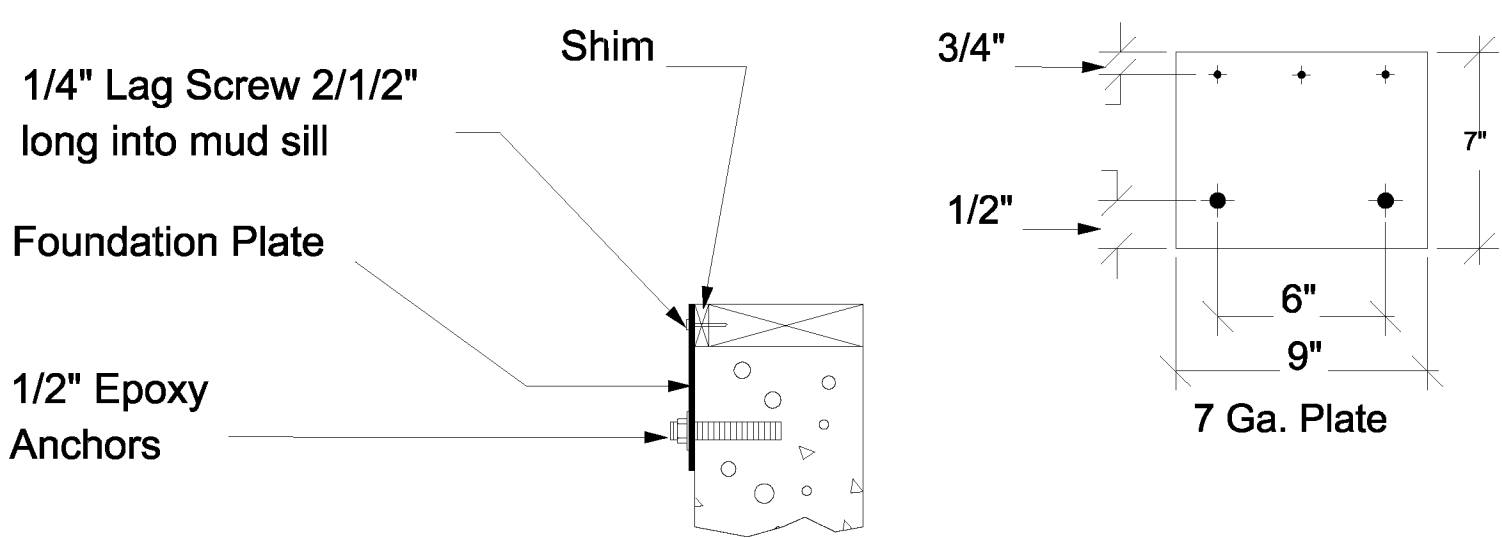
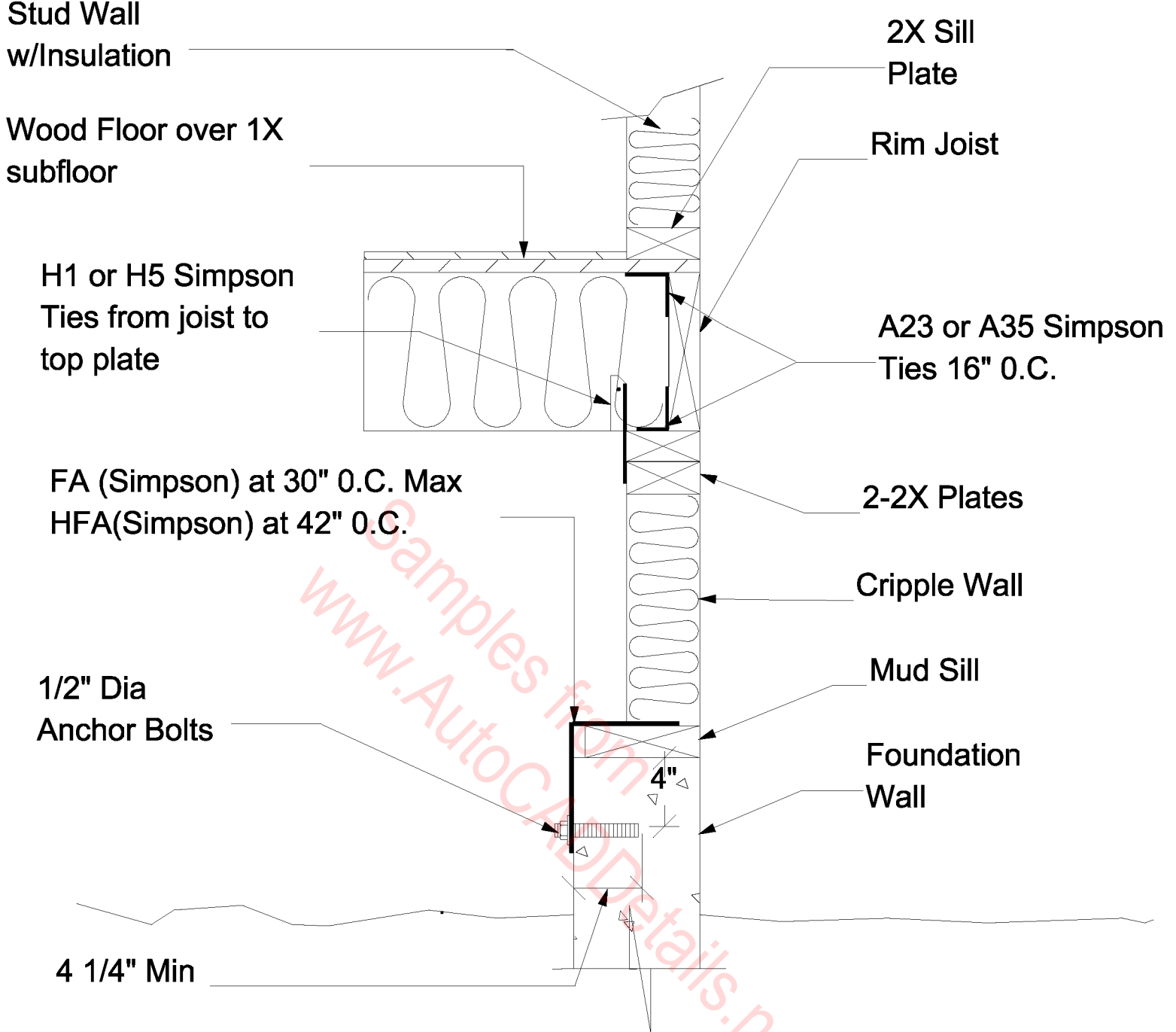
**STEPDOWN SECTIONS FOR GARAGE
SHOWING SIDING, BRICKS ARE SIMILAR**



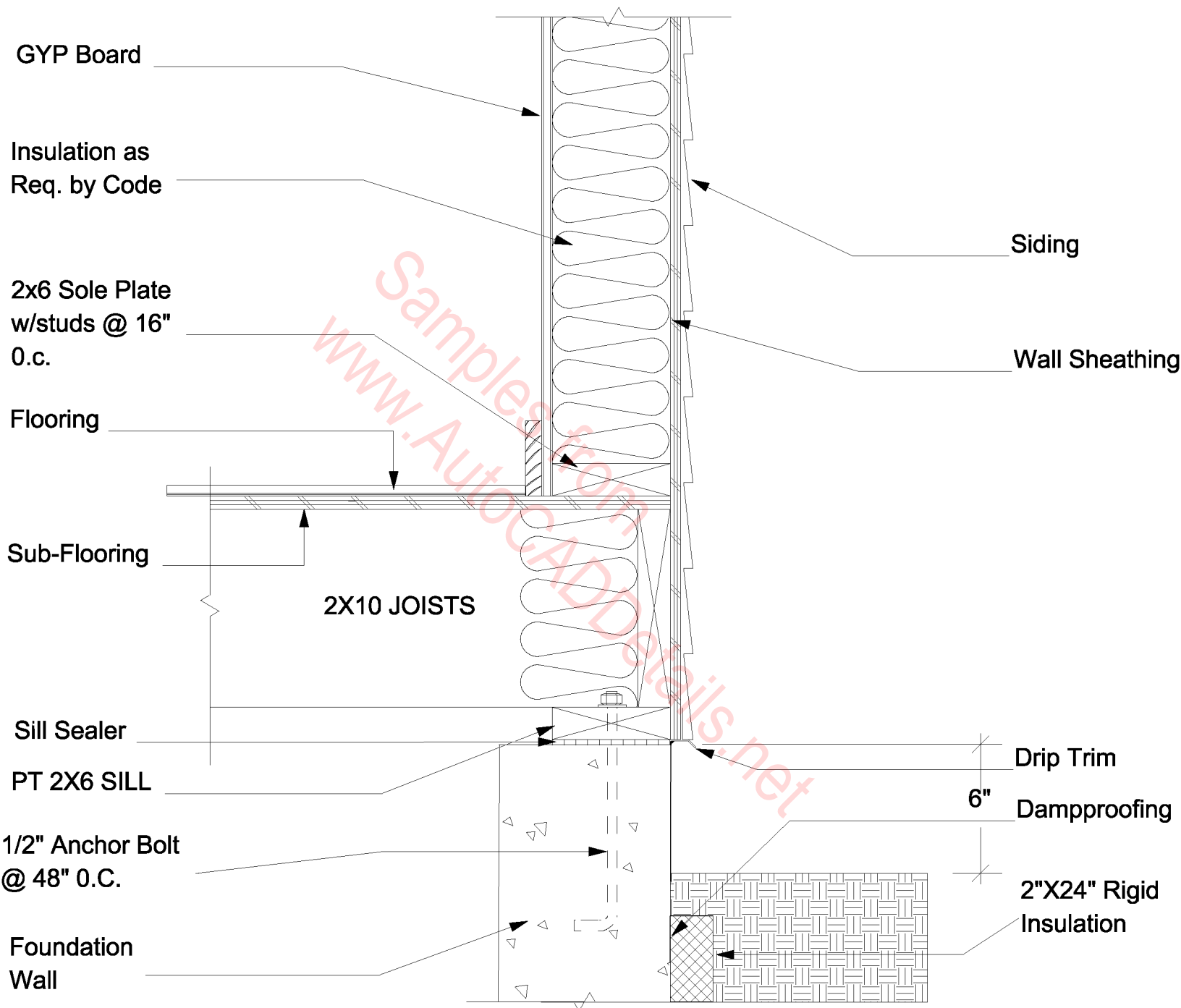
Sill Plate Anchoring W/Simpson anchors



Sill Plate Bolting (No Cripple Wall)



Sill Plate Bolting Using Simpson Strong Ties

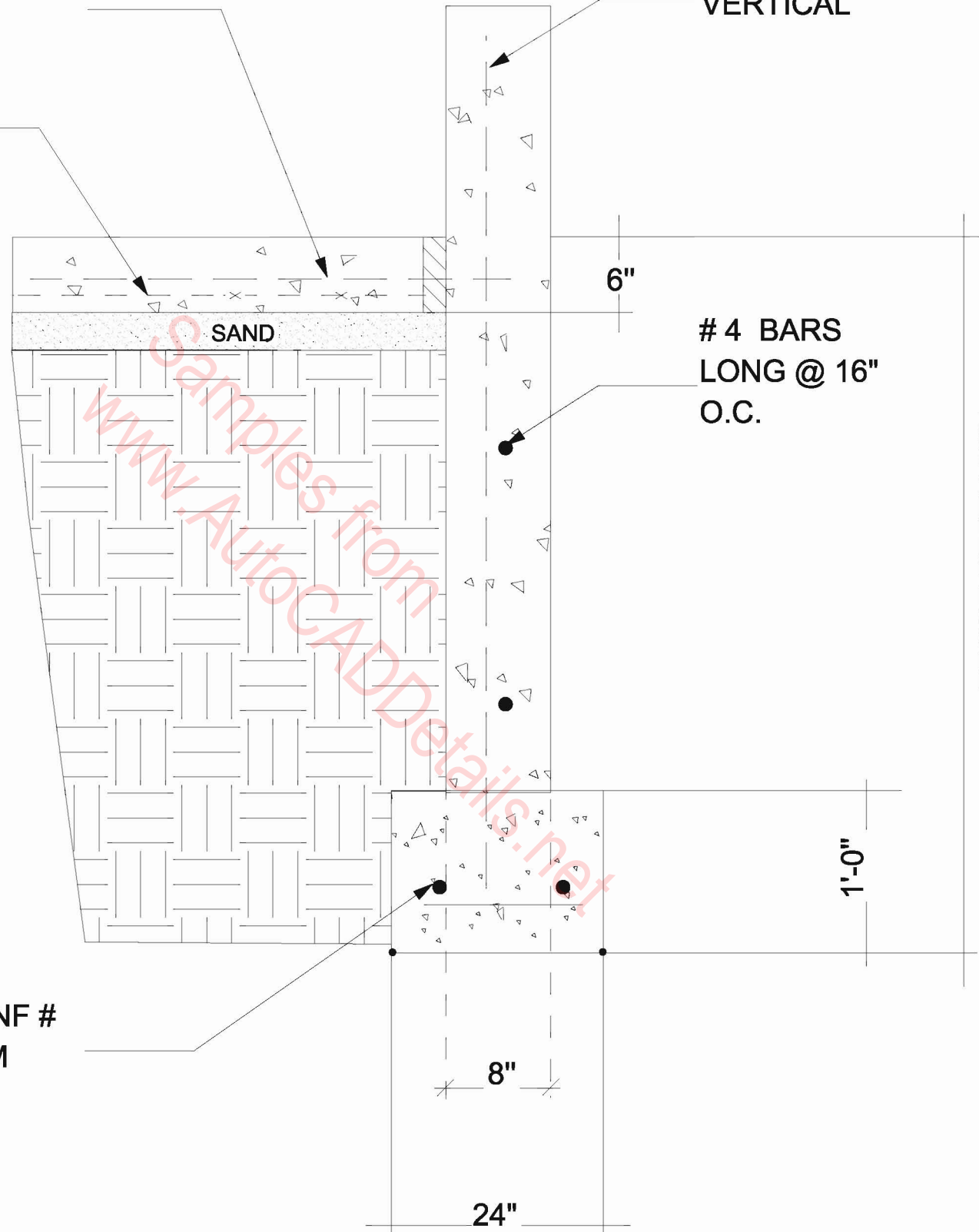


SILL PLATE W/SIDING

4 BARS EXTEND 2'
INTO SLAB

4 BARS @ O.C.
VERTICAL

6X6
W.W.M.



SAND

6"

4 BARS
LONG @ 16"
O.C.

FROST DEPTH MIN.

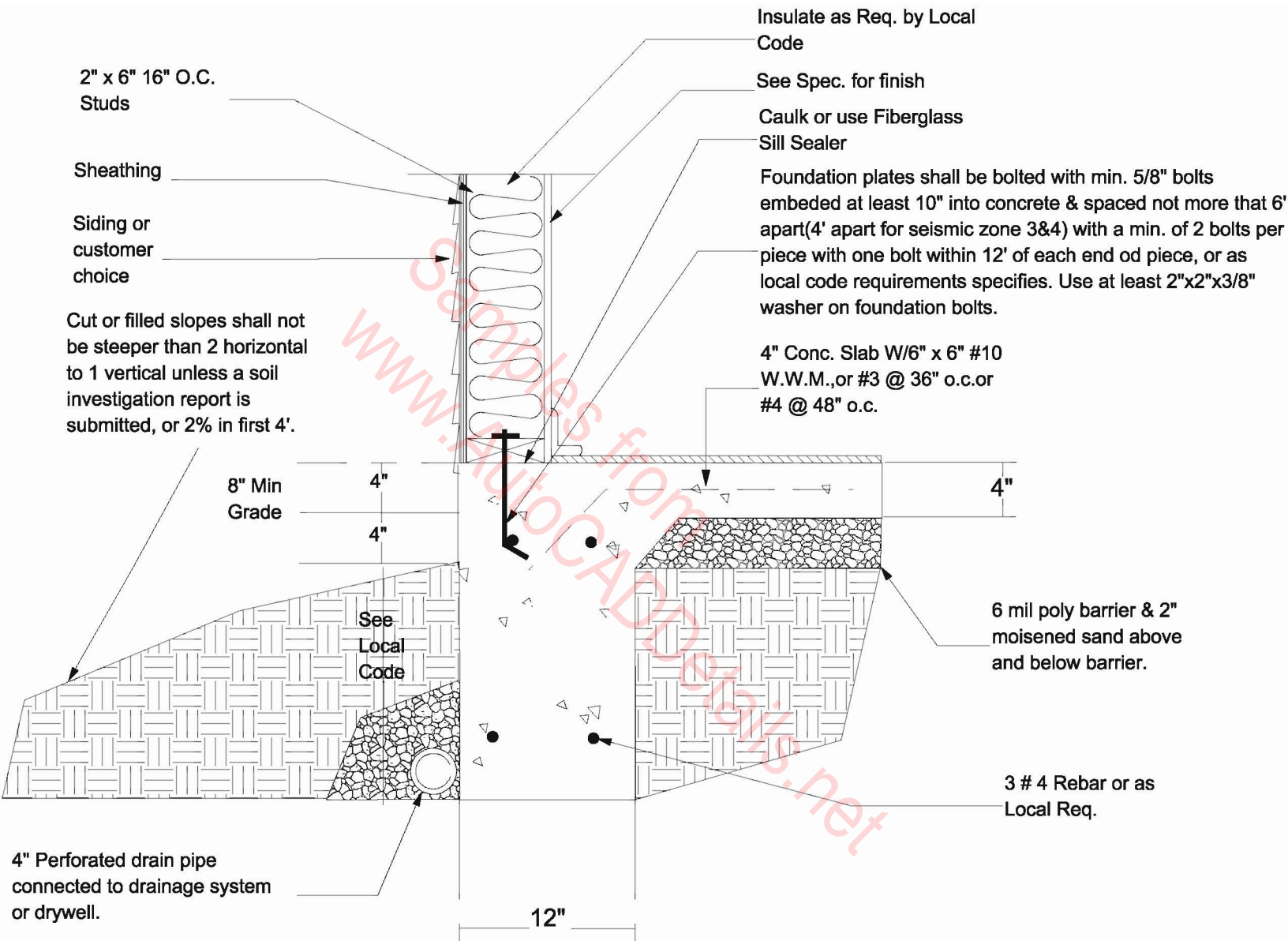
1'-0"

8"

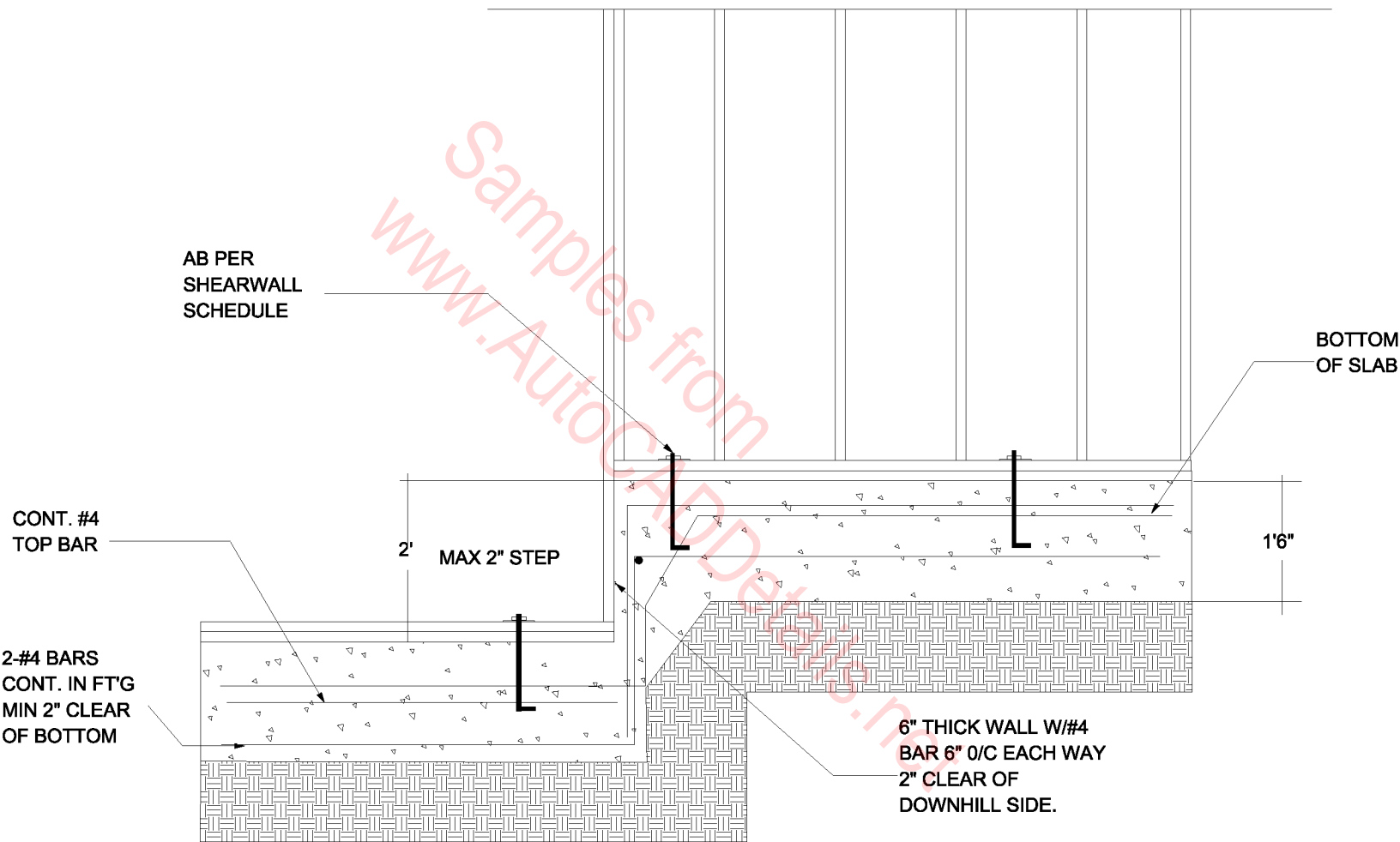
24"

HORIZONTAL REINF #
4 TOP & BOTTOM

SLAB FOOTING DETAIL



**PERIMETER SLAB SECTION
W/SIDING OR STUCCO..
(MONOLITHIC)**



STEP FOUNDATION

LOCATE VERTICAL REBAR PER
CODE & AT CENTER OF CELLS
FOR BLOCK FOUNDATION.

CONCRETE OR
CONCRETE-BLOCK
FOUNDATION WALL

BACKFILL

PERFORATED
PIPE FOR
DRAINAGE

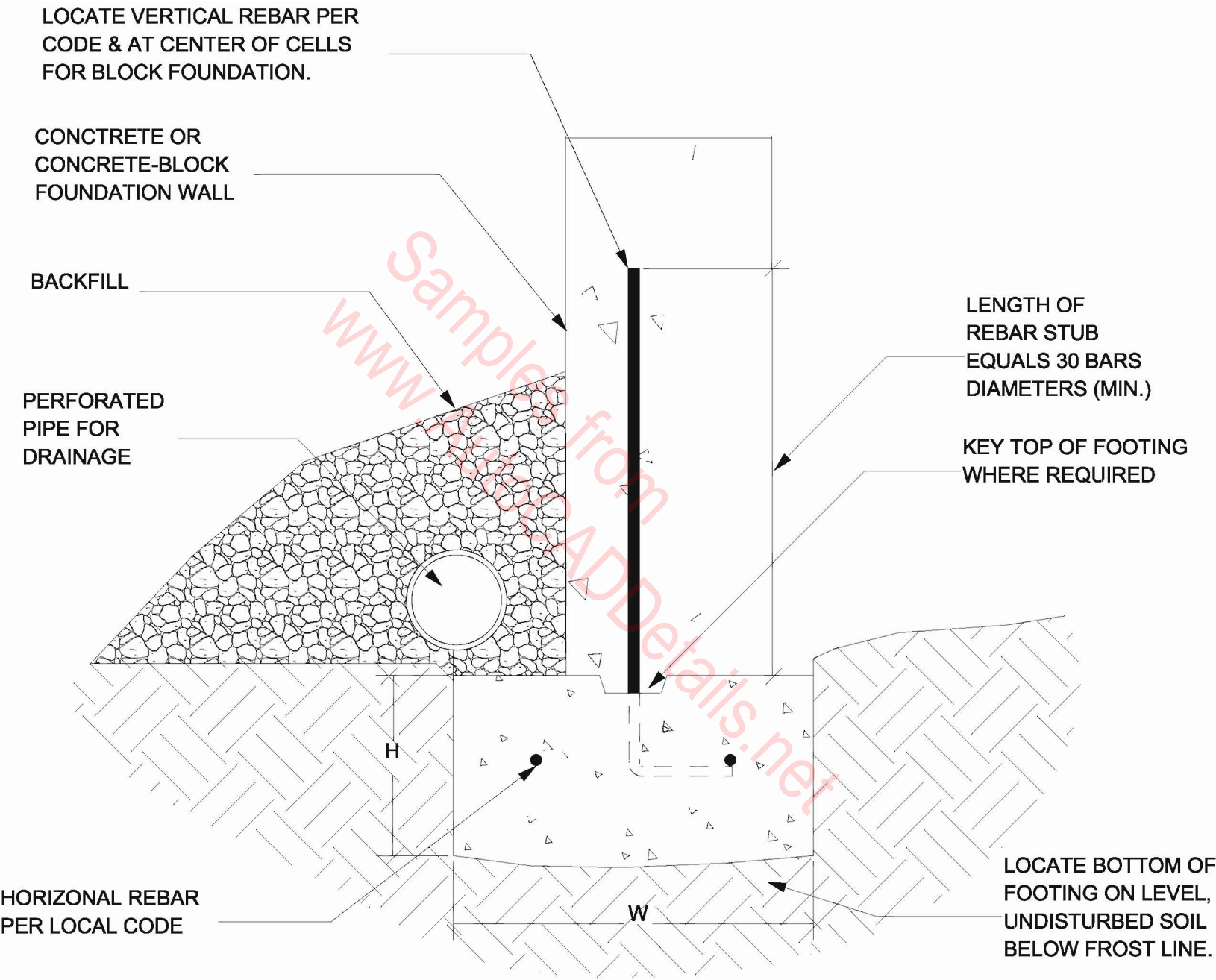
LENGTH OF
REBAR STUB
EQUALS 30 BARS
DIAMETERS (MIN.)

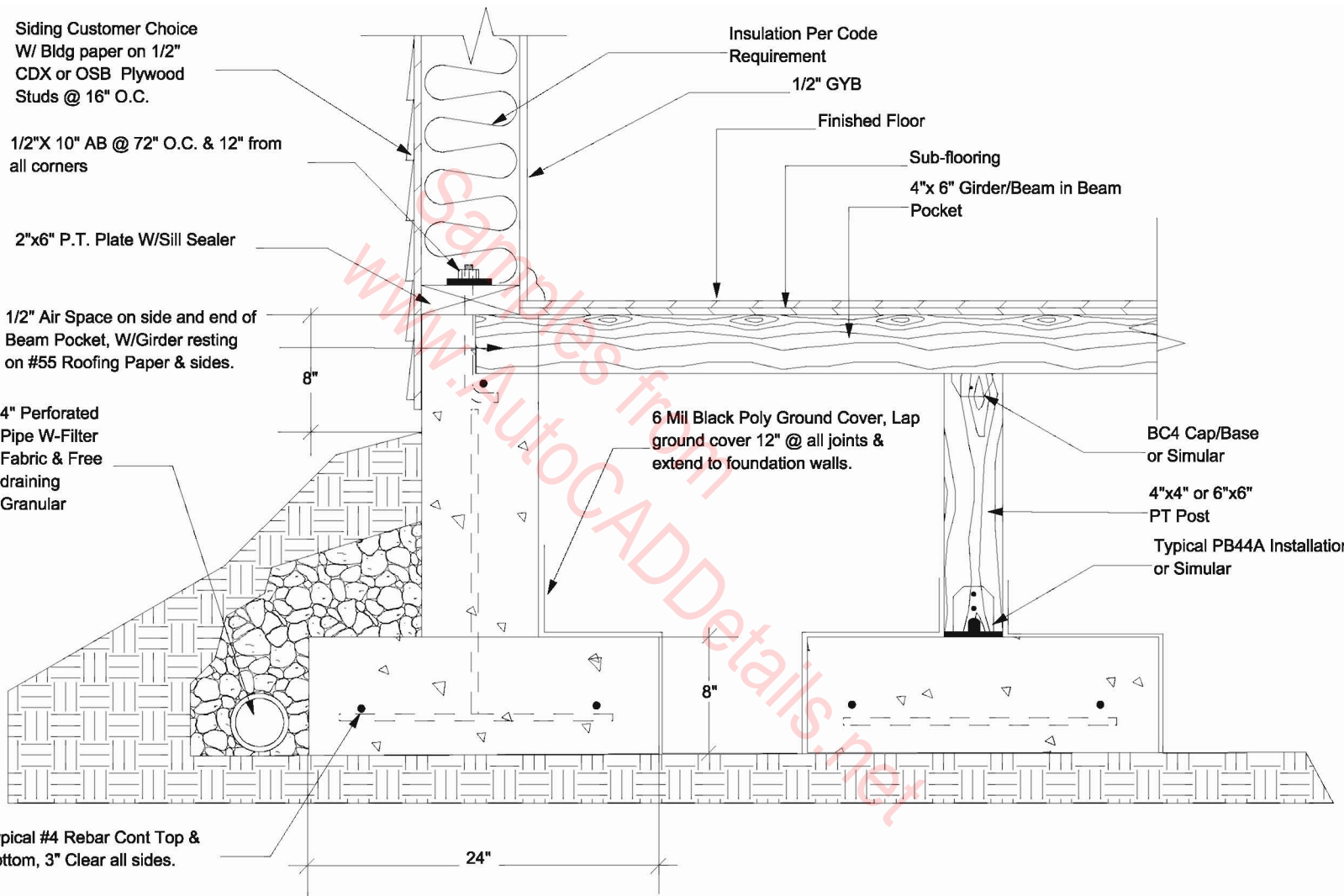
KEY TOP OF FOOTING
WHERE REQUIRED

HORIZONTAL REBAR
PER LOCAL CODE

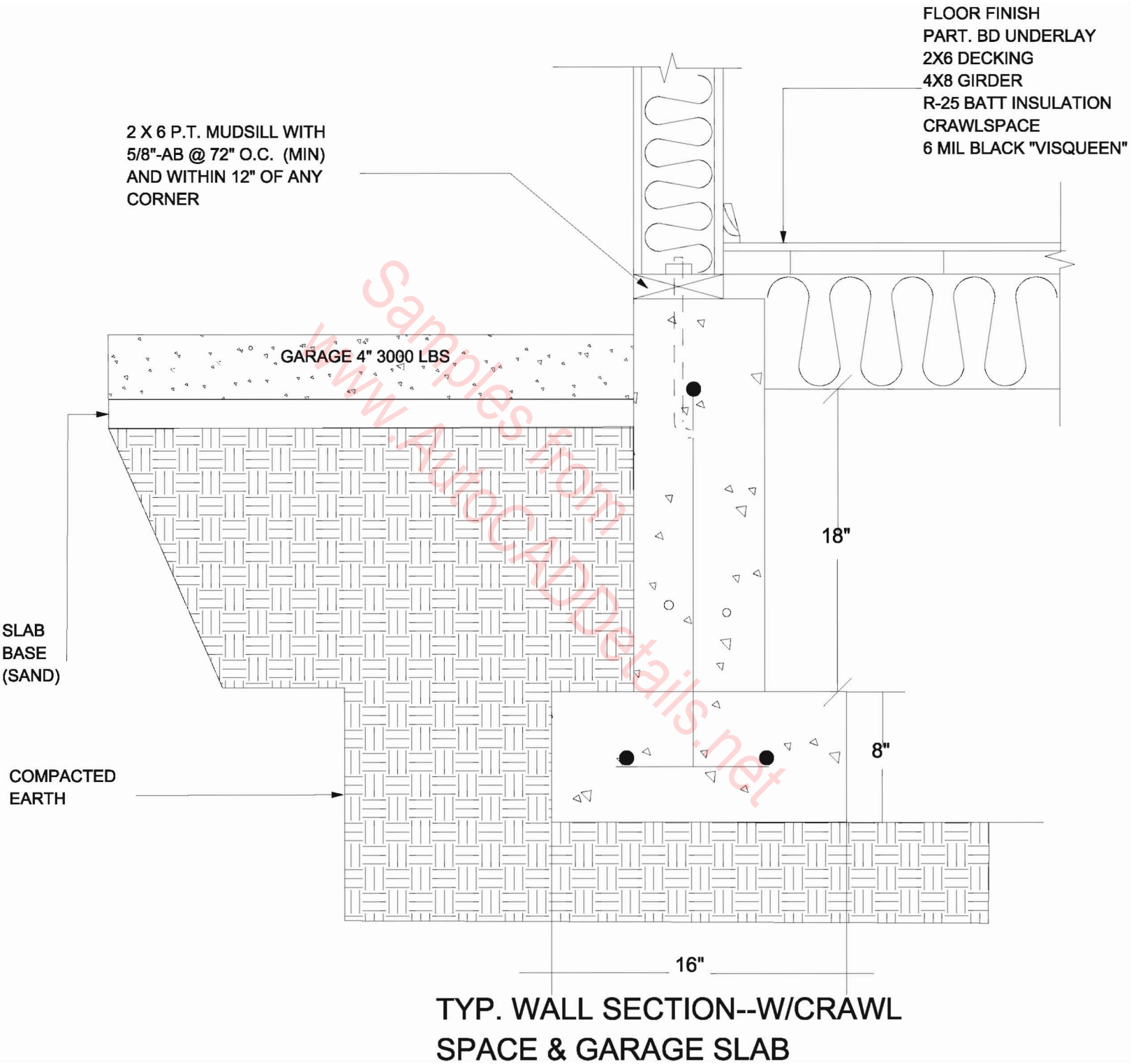
LOCATE BOTTOM OF
FOOTING ON LEVEL,
UNDISTURBED SOIL
BELOW FROST LINE.

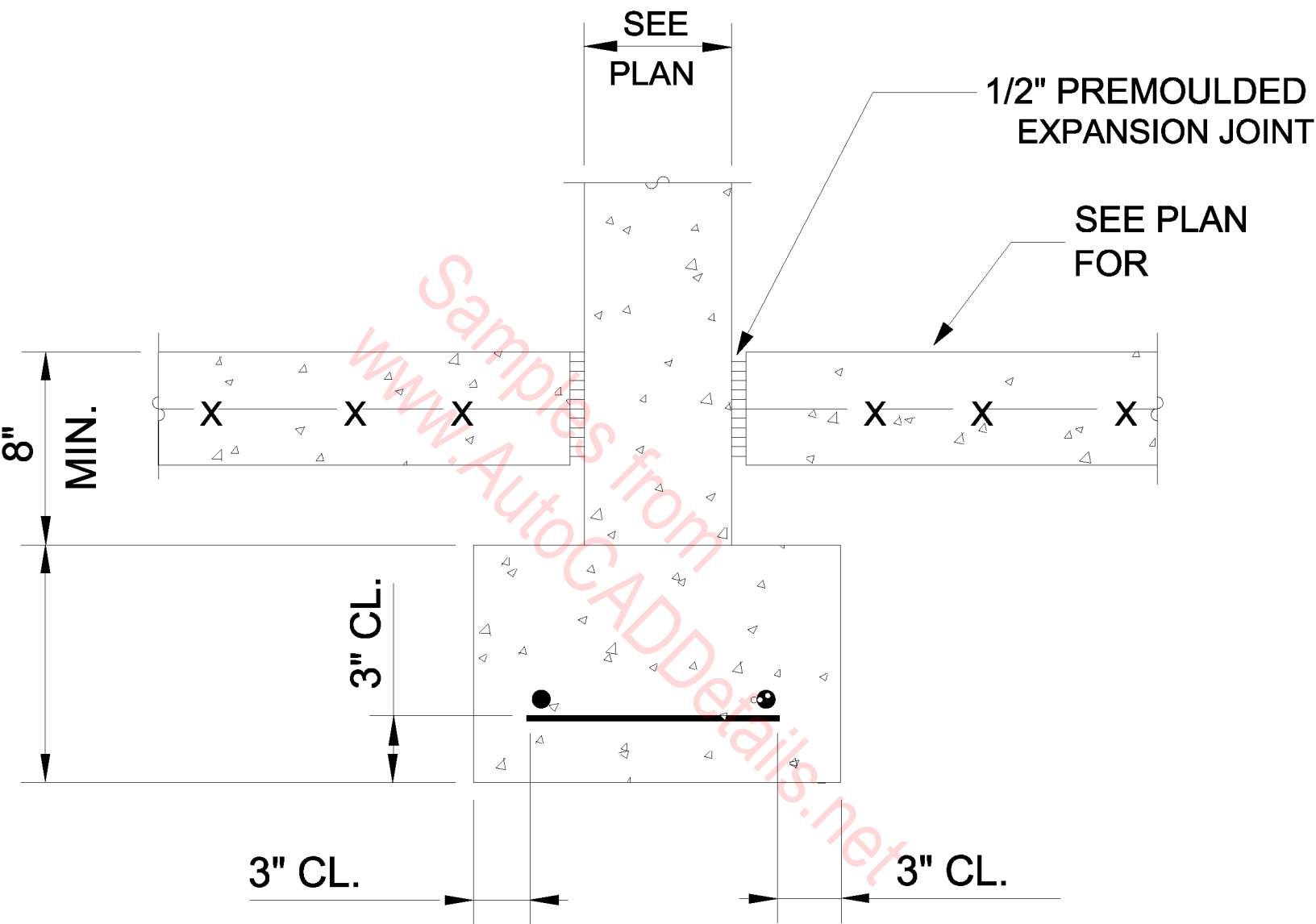
TRENCH FOOTING



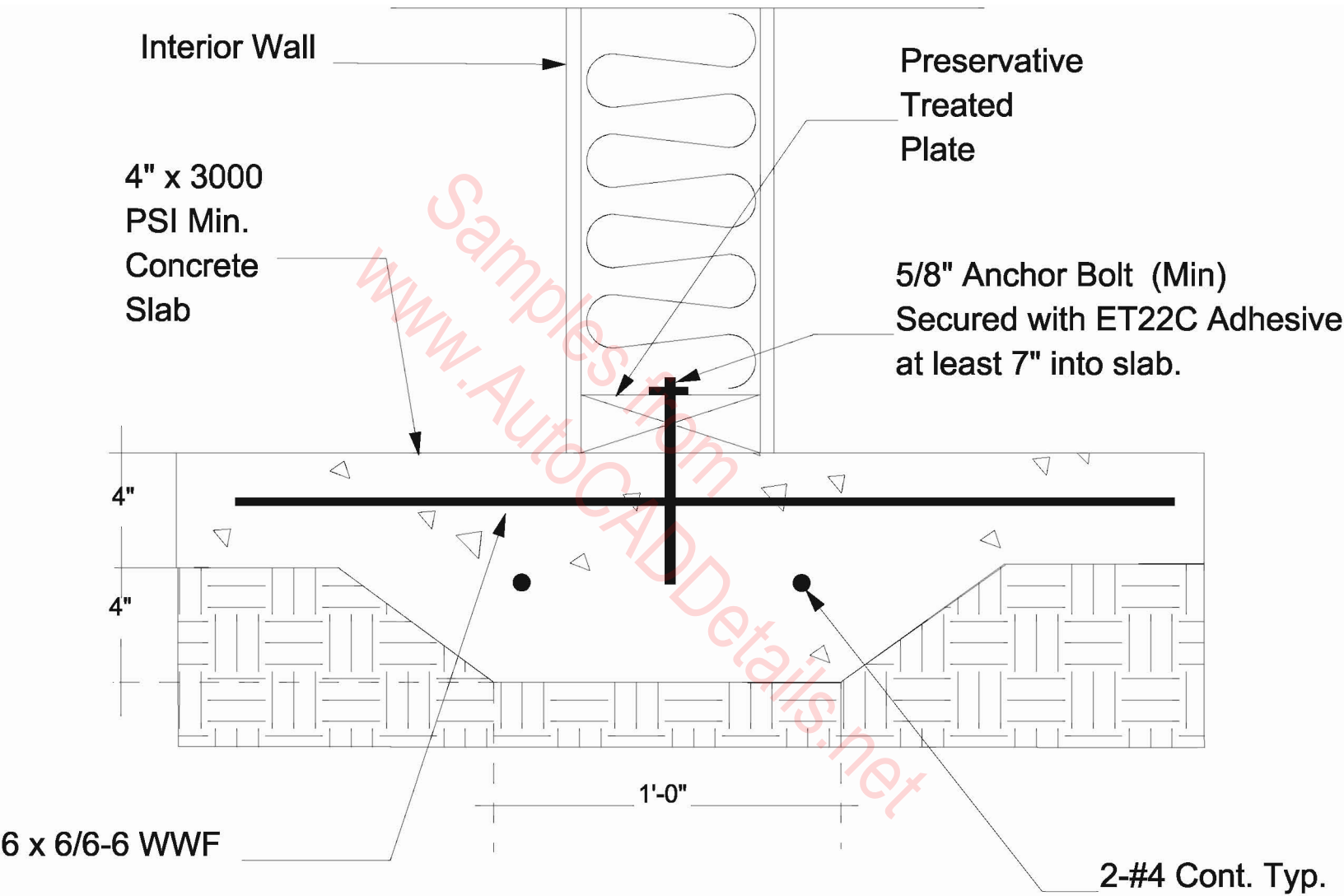


**Typical Beam Pocket W/ Girder
(4"X6")**



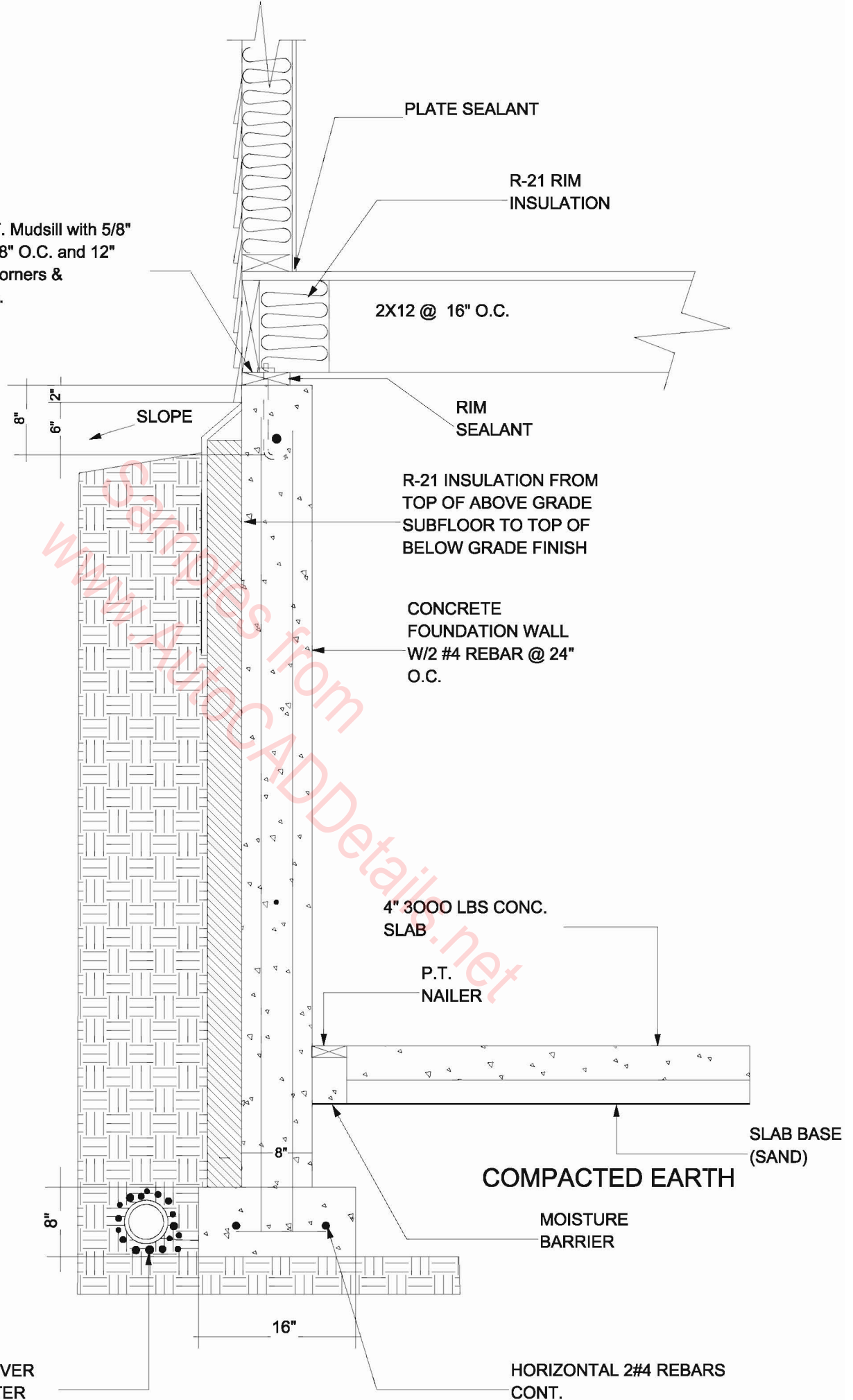


**INTERIOR MASONRY
TYPICAL MASONRY BEARING
WALL FOOTING DETAIL**

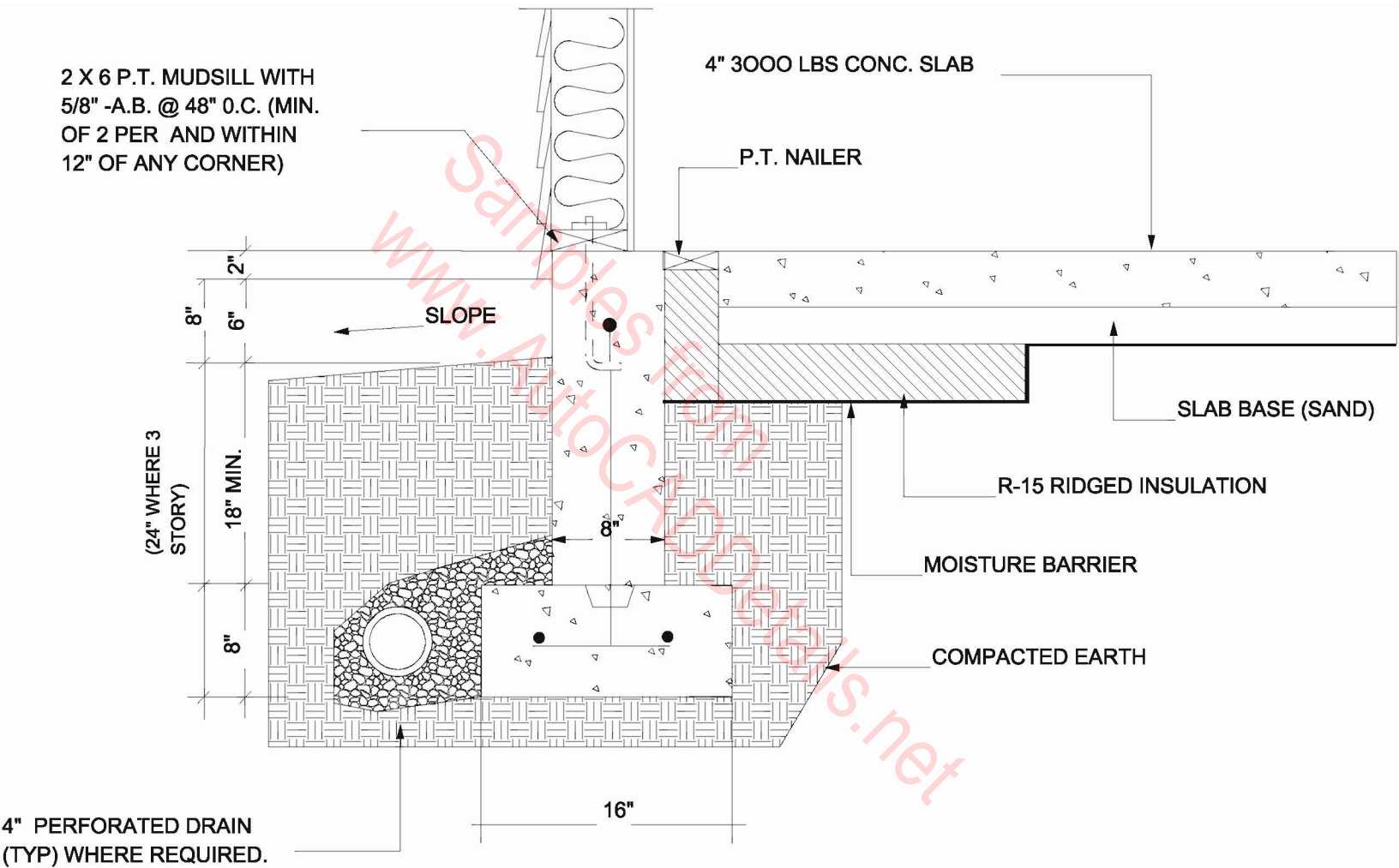


UNDER-WALL SLAB DETAIL TYPICAL

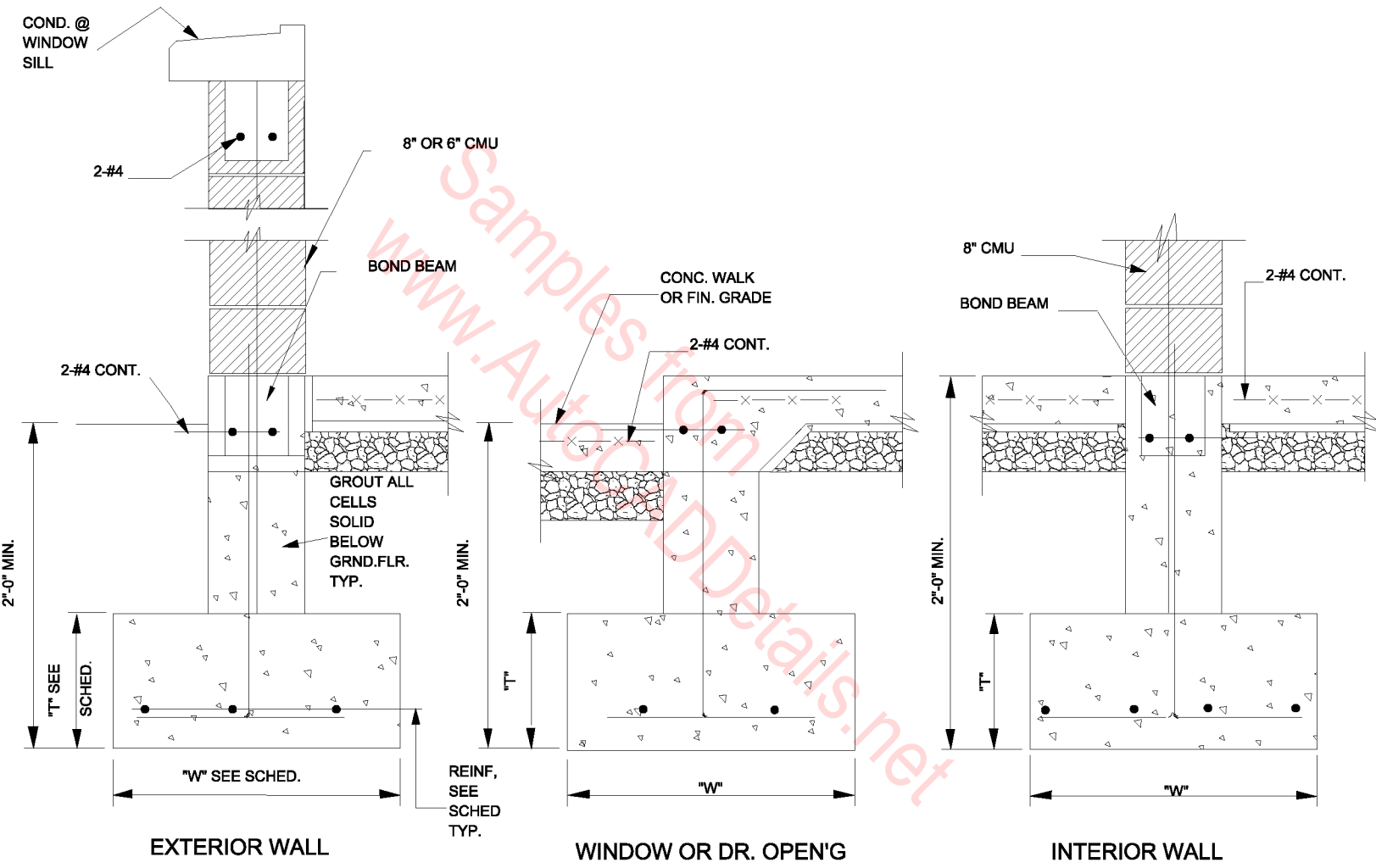
2"x6" P.T. Mudsill with 5/8" A.B. @ 48" O.C. and 12" from all corners & openings.



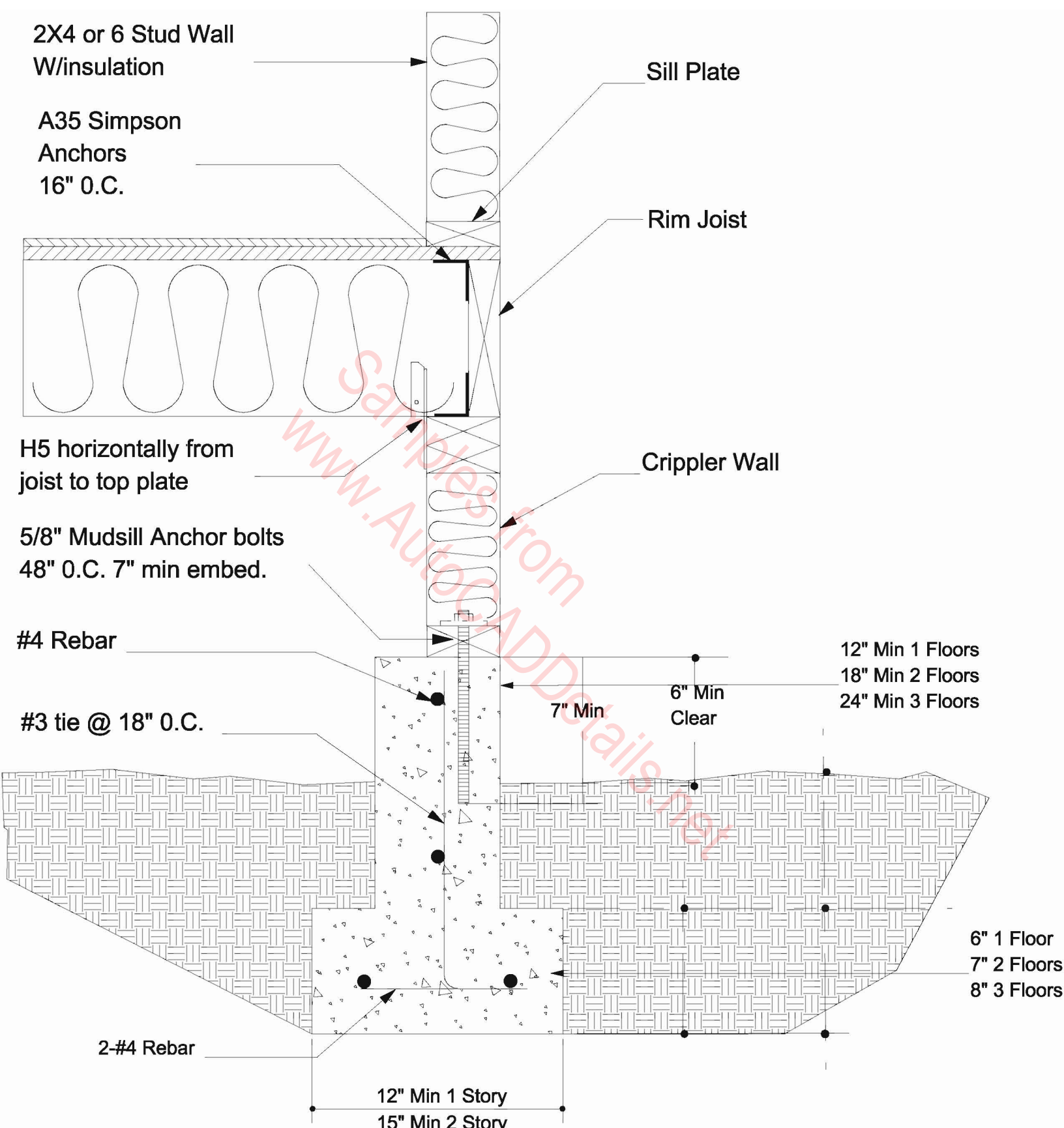
TYP. WALL SECTION



TYP. WALL SECTION--W/SLAB & RIGID INSULATION



TYPICAL CMU WALL FOOTING DETAILS



**Typical New Concrete Foundation
W/Seismic ties.**

MAS. WALL, SEE ARCH. DWGS.
FOR LOCATION & THICKNESS

SEE PLAN
For Elev.

2-#3 CONT.

W.F. AT
MID-DEPTH

4"

4" 4" SEE 4" 4"
PLAN

NON - BEARING
WALL FOOTING

1'-4"
MIN

MASONRY
WALL

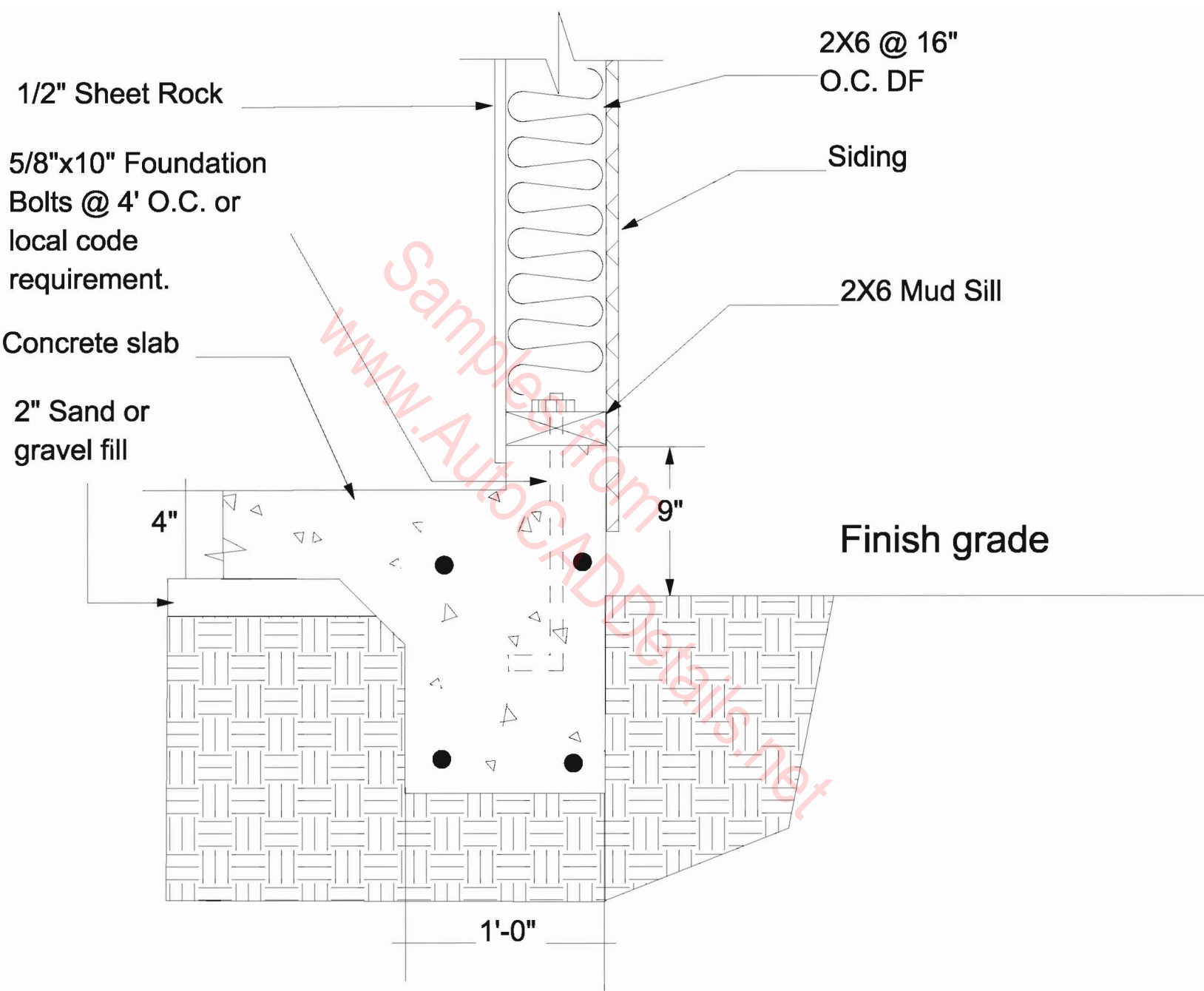
8"

FOOTING REINF.
CONT. THROUGH
LENGTH OF FTG.

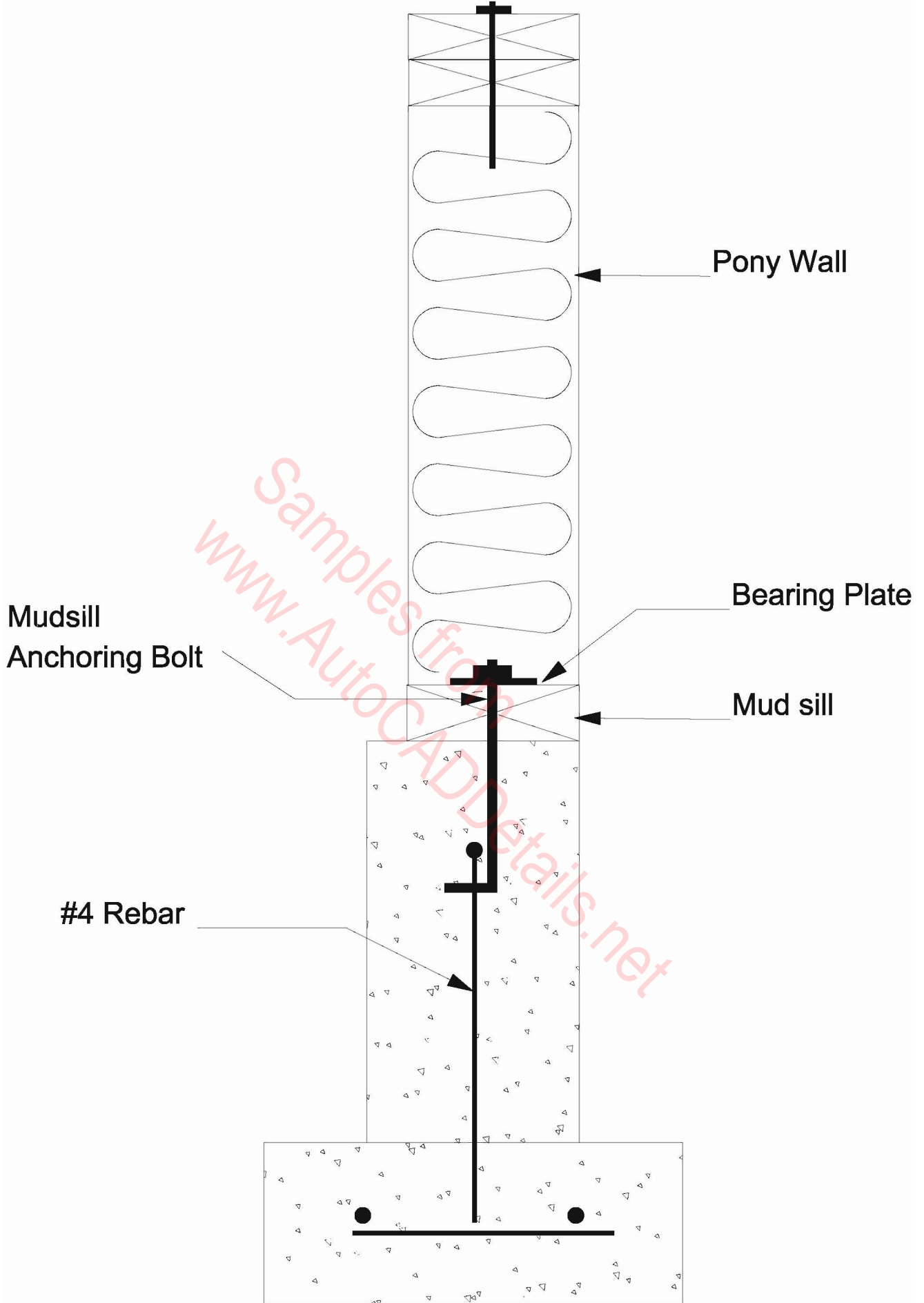
1'-0"

STEPPED WALL FOOTING

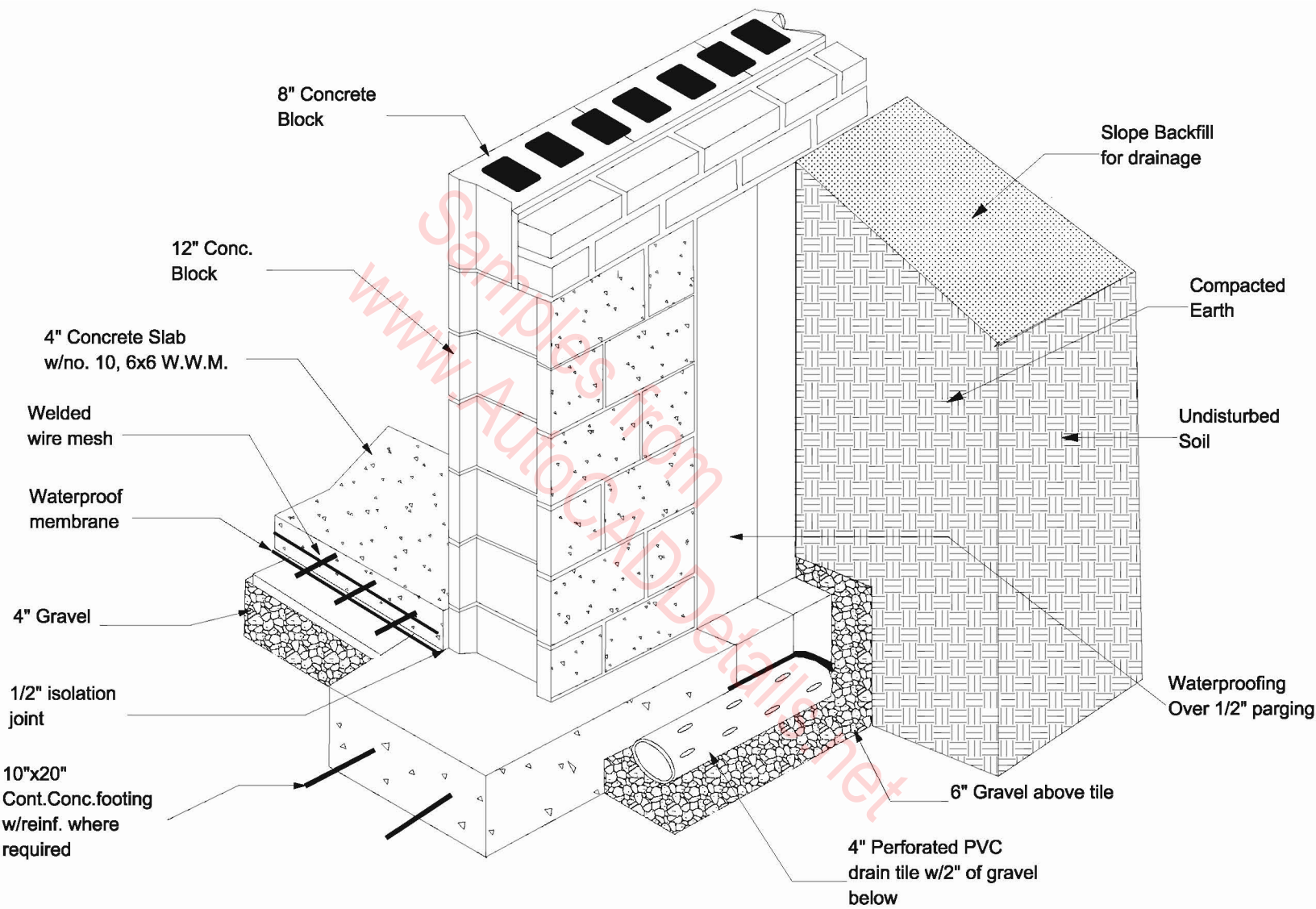
TYPICAL MASONRY WALL FOOTING DETAILS



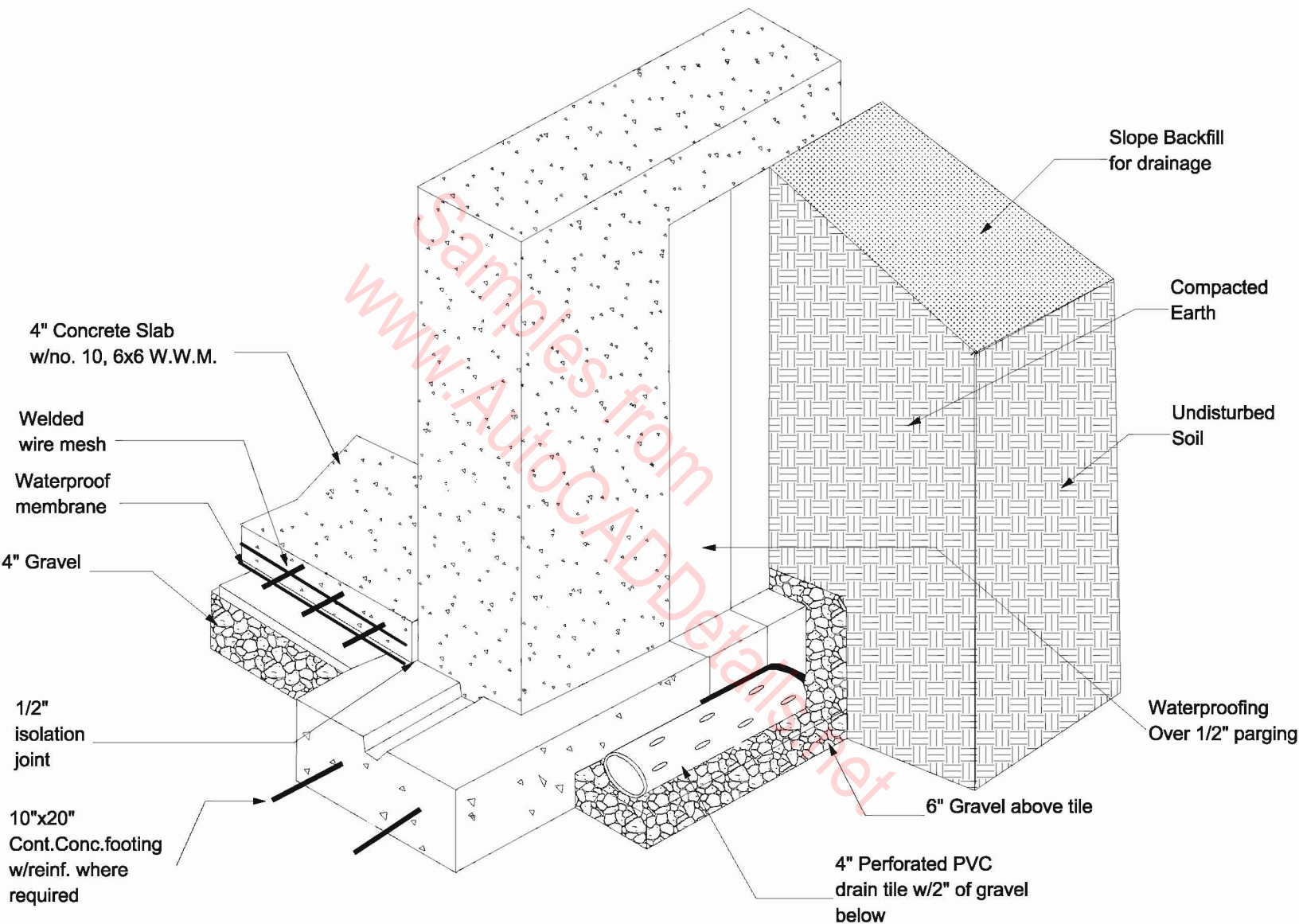
Typical Slab Wall



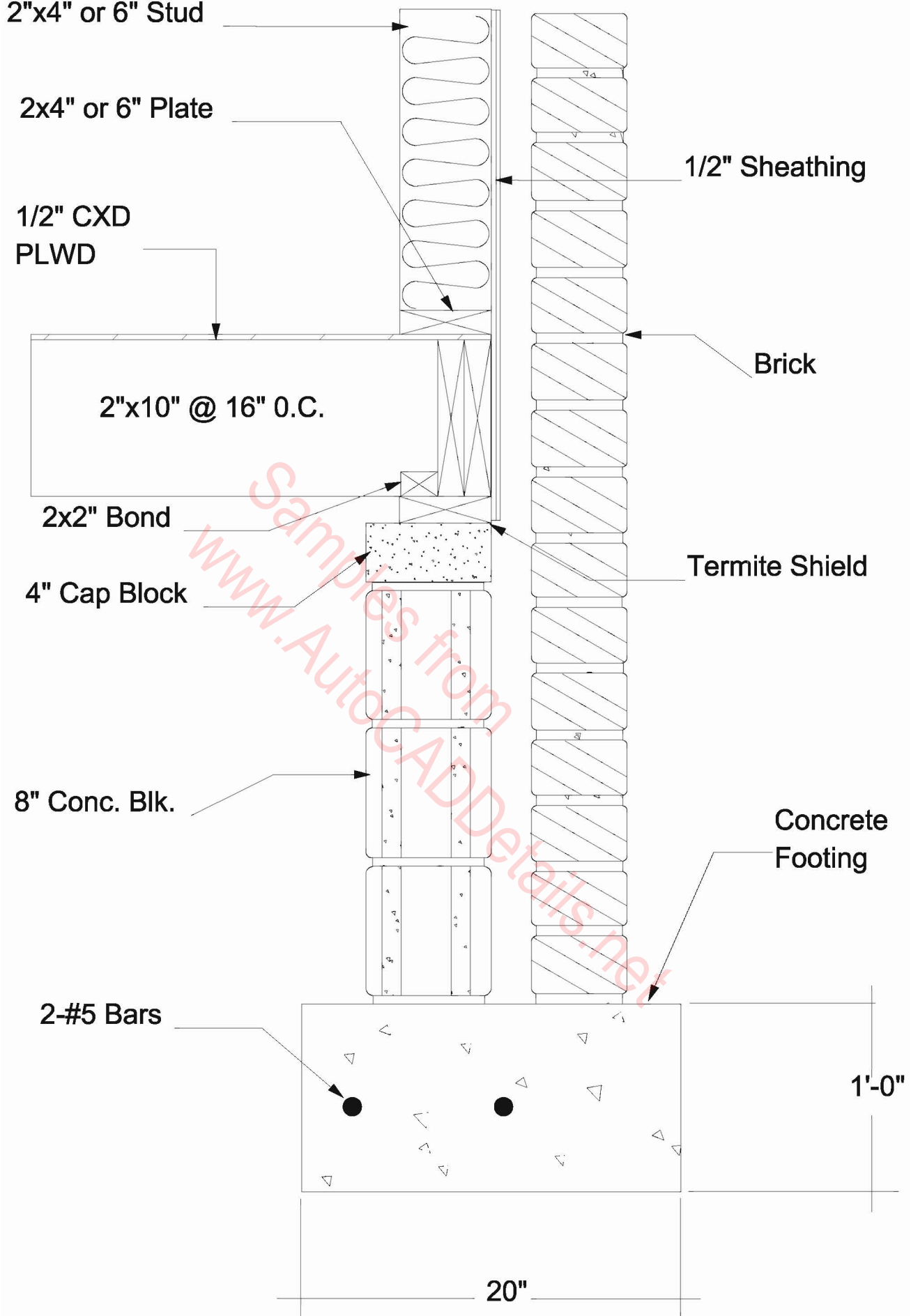
Typ. Bearing Plate, mudsill w/anchor bolt and pony wall.



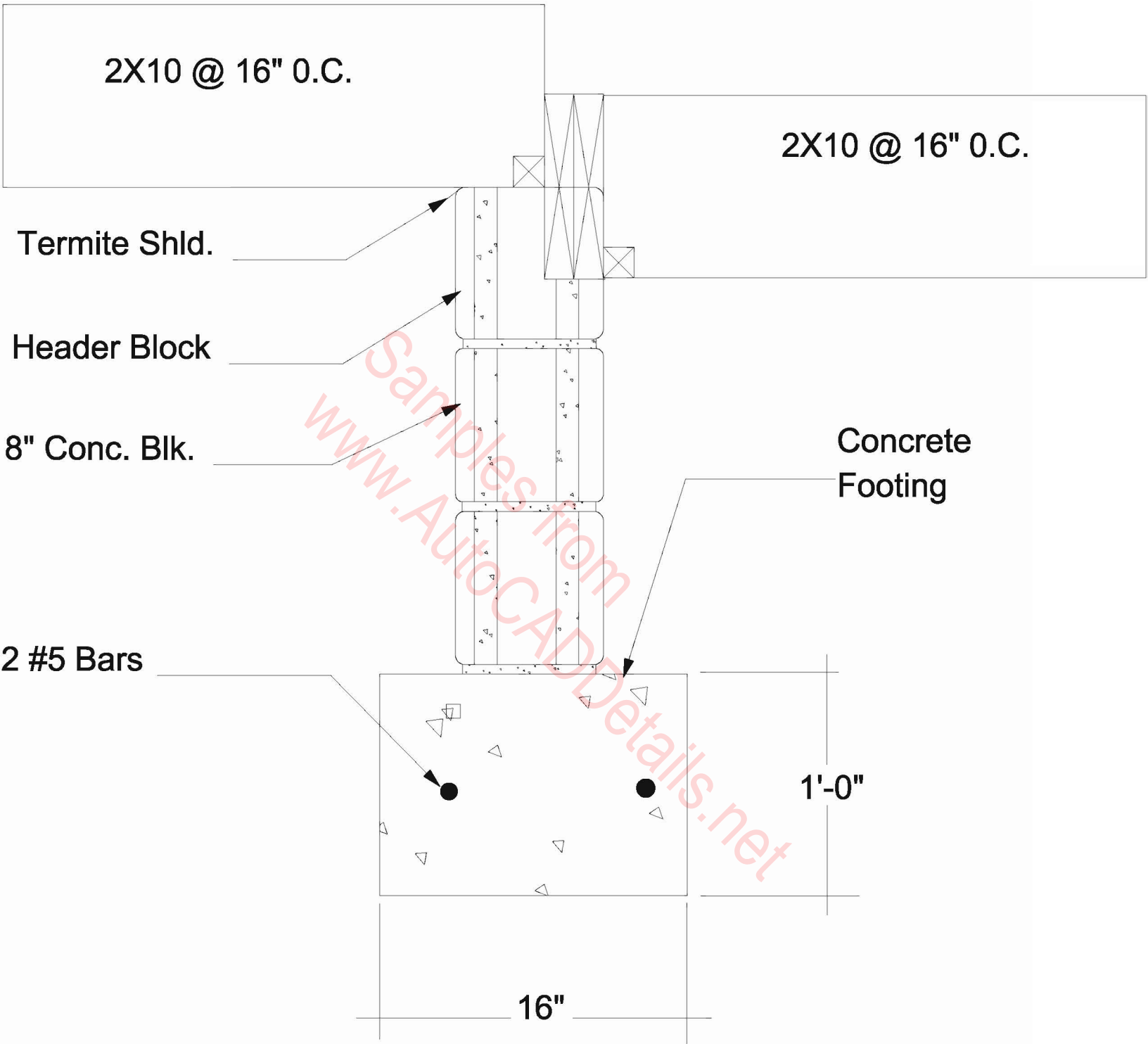
**TYPICAL CONC. BLOCK FOUNDATION
(Southern US)**



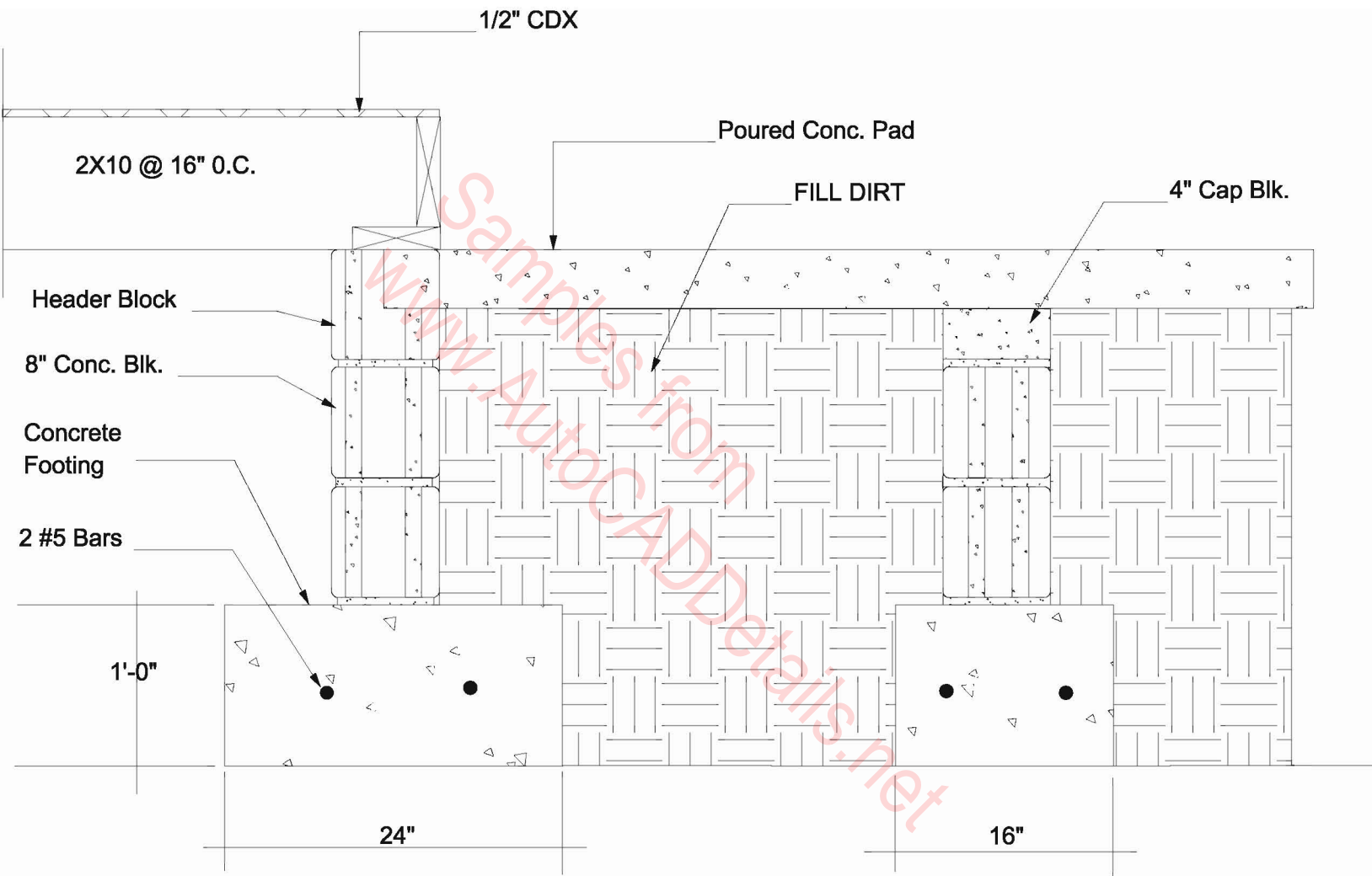
TYPICAL CONC. FOUNDATION
(Southern US)



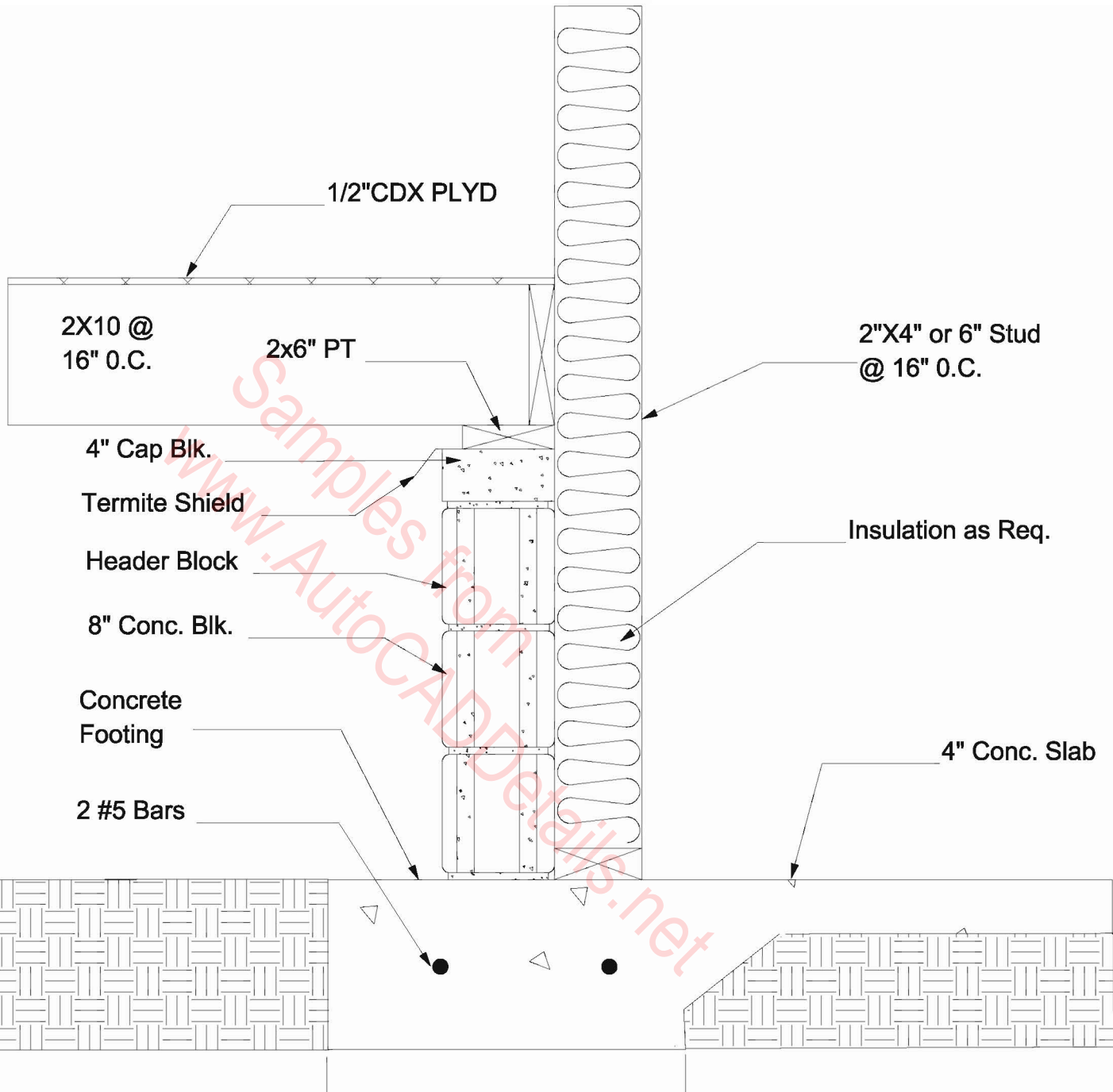
**TYPICAL CRAW SPACE
FOUNDATION SECTION (Brick)
(Southern US)**



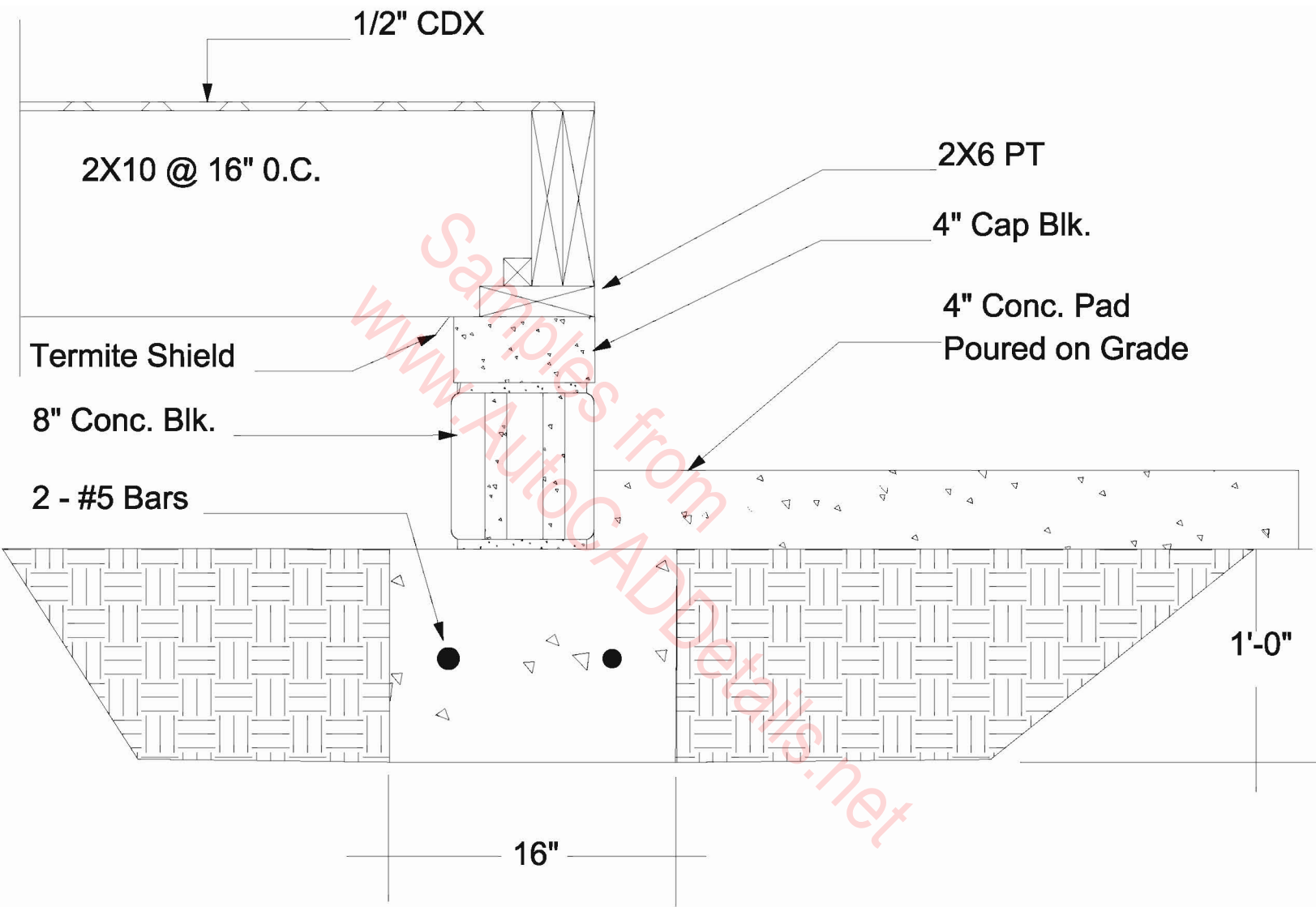
**TYPICAL CRAW SPACE
FOUNDATION SECTION
(Southern US)**



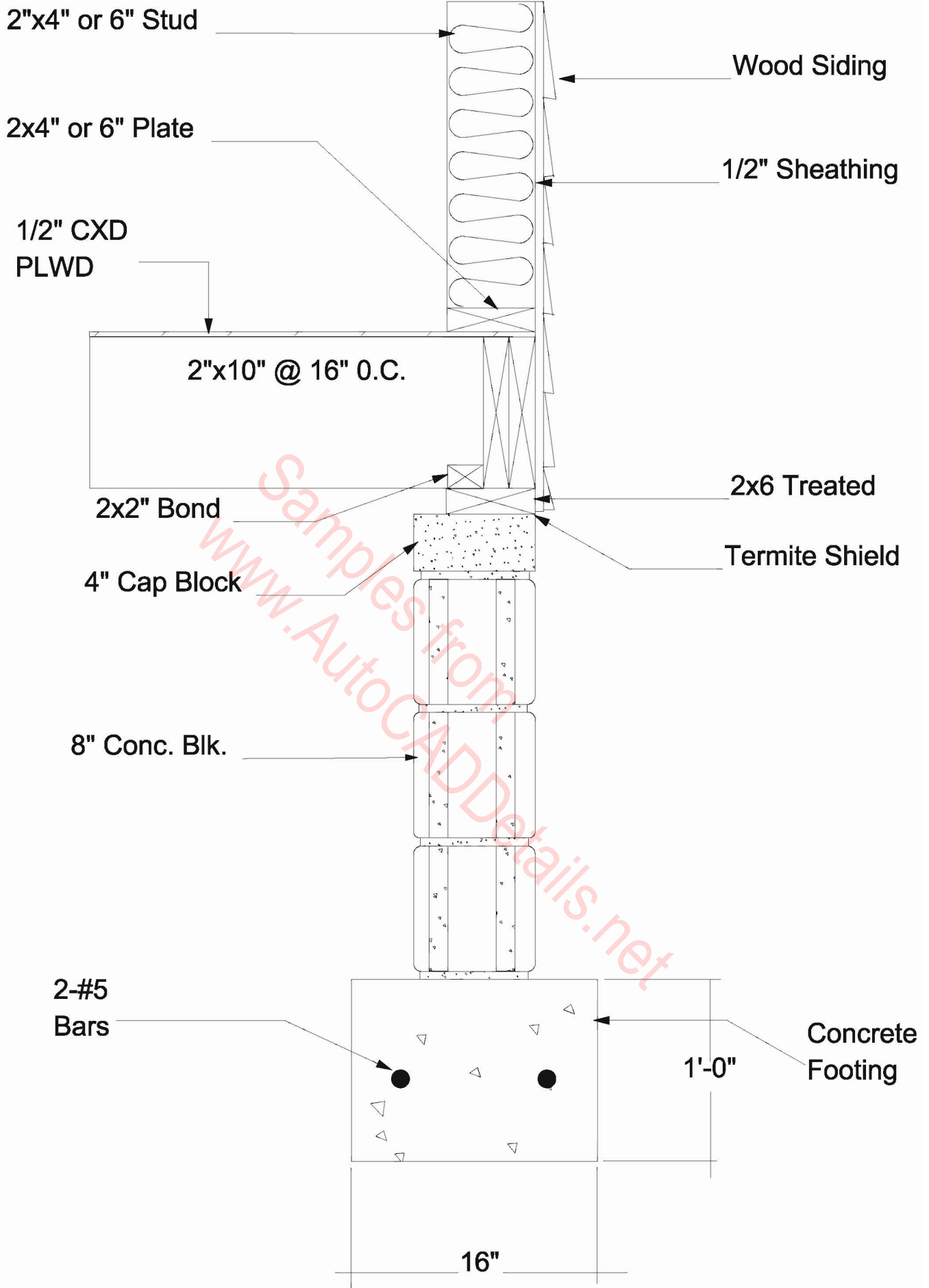
TYPICAL CRAW SPACE
 FOUNDATION SECTION
 (Southern US)



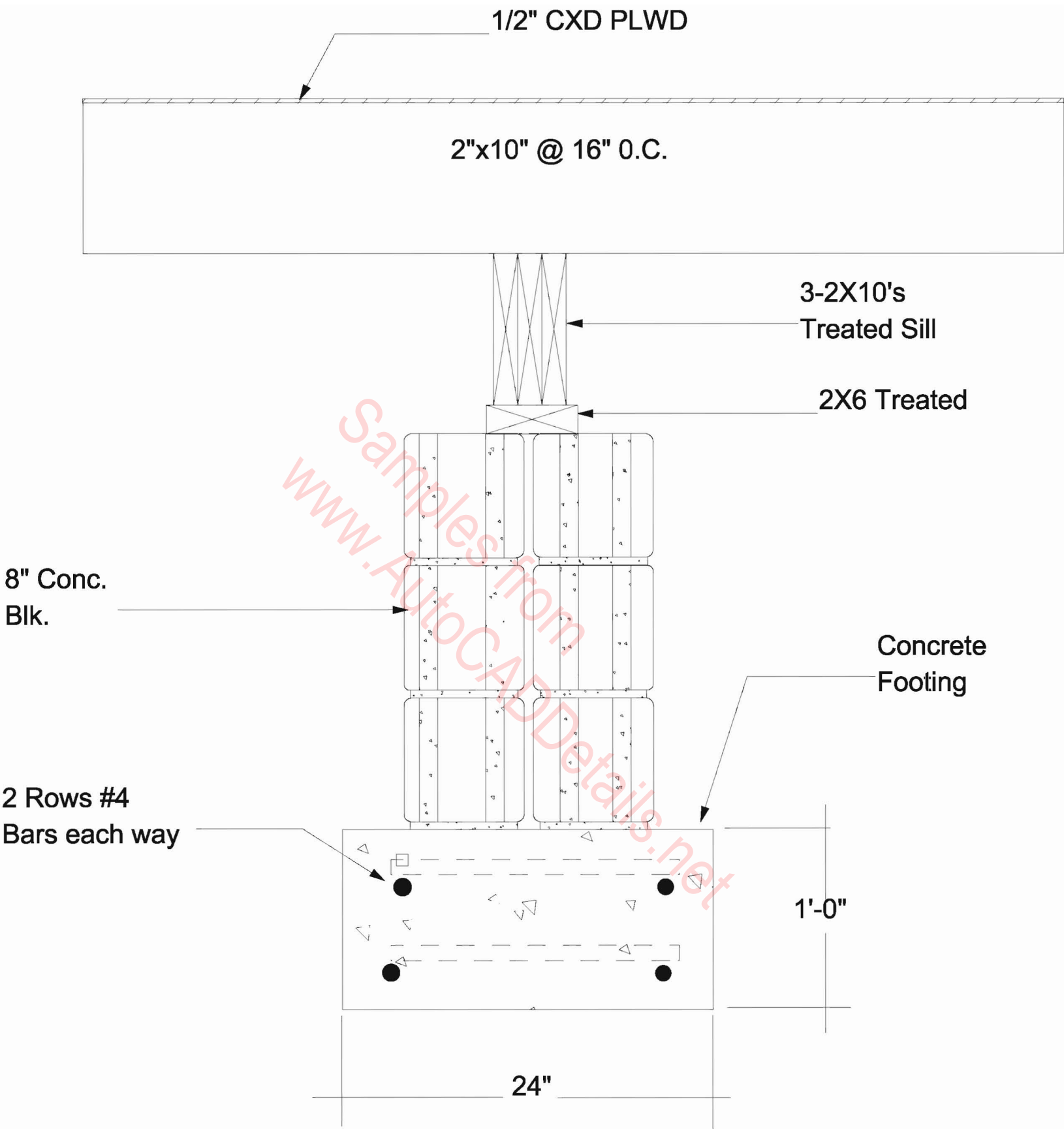
**TYPICAL CRAW SPACE
FOUNDATION SECTION
(Southern US)**



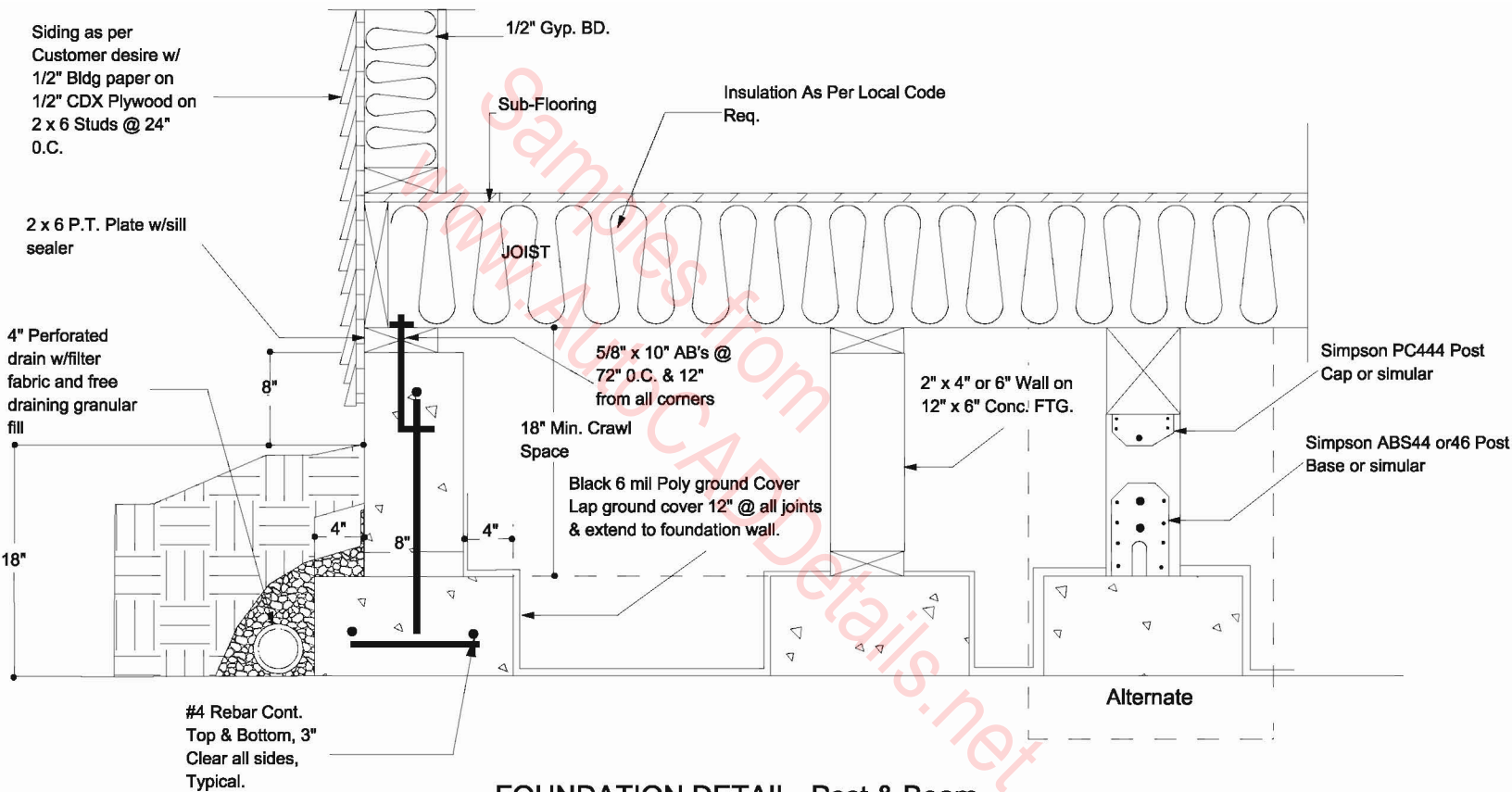
TYPICAL CRAW SPACE
FOUNDATION SECTION
(Southern US)



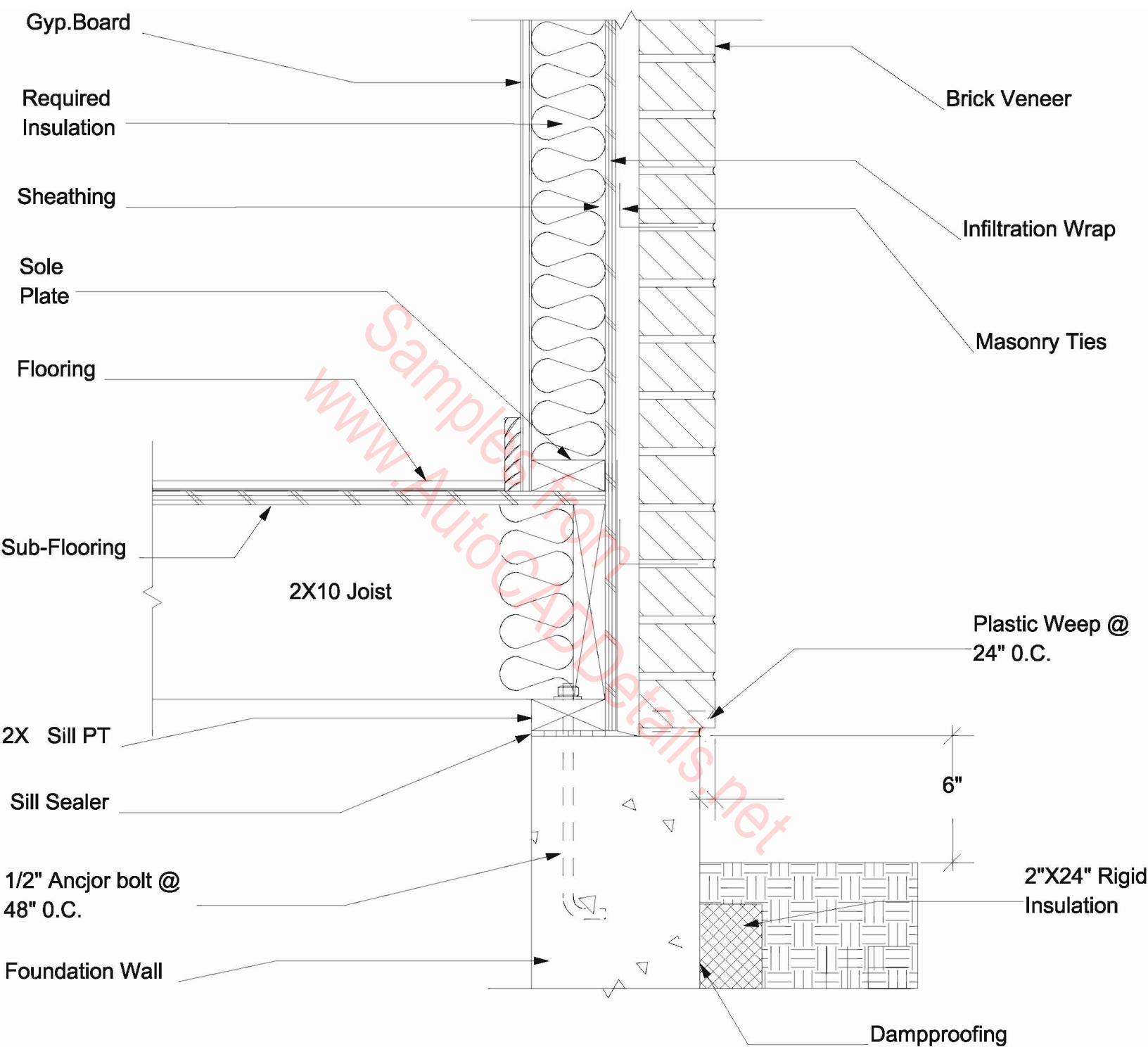
**TYPICAL CRAW SPACE
FOUNDATION SECTION
(Southern US)**



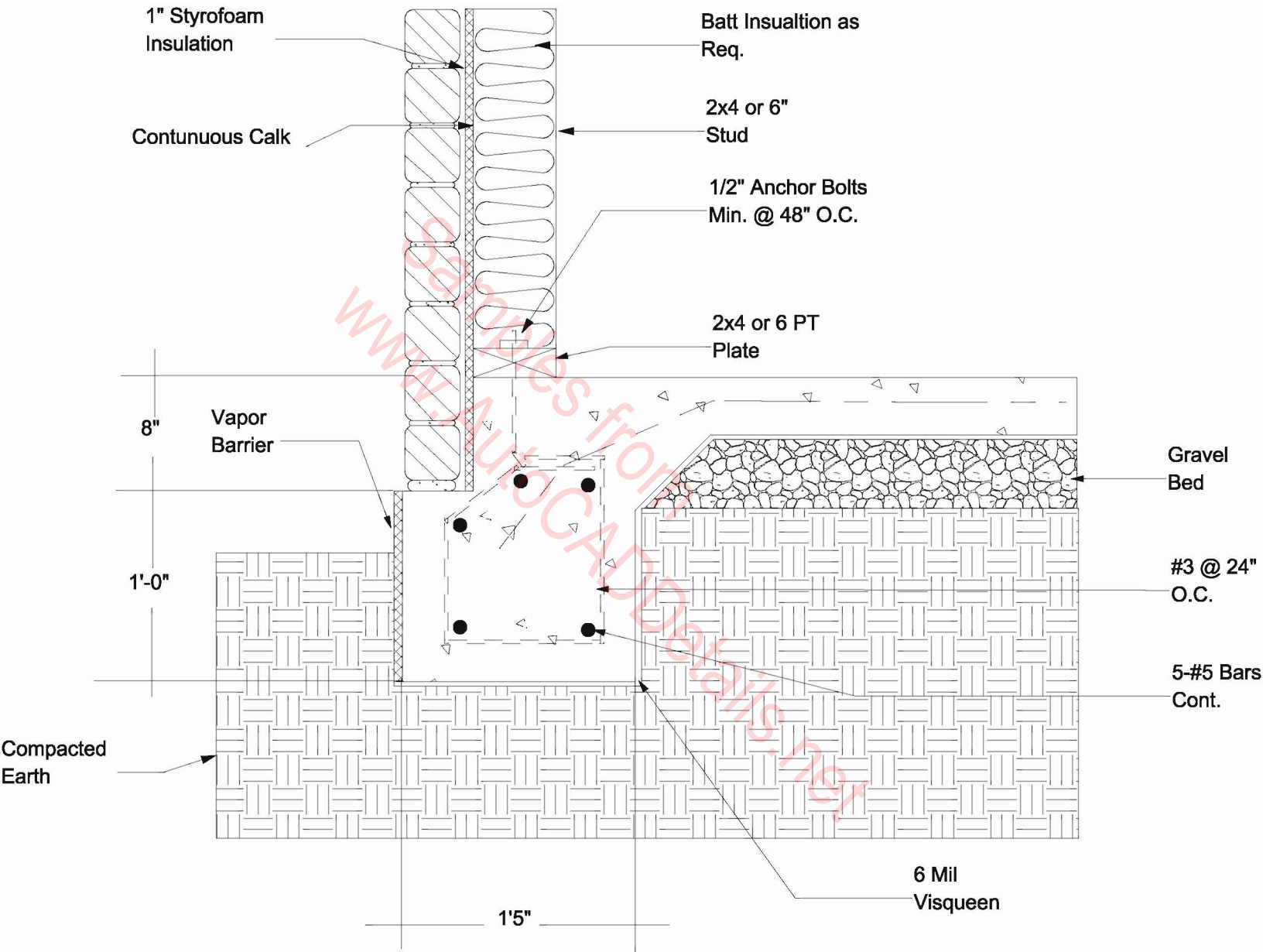
**TYPICAL CRAW SPACE
FOUNDATION SECTION
(Southern US)**



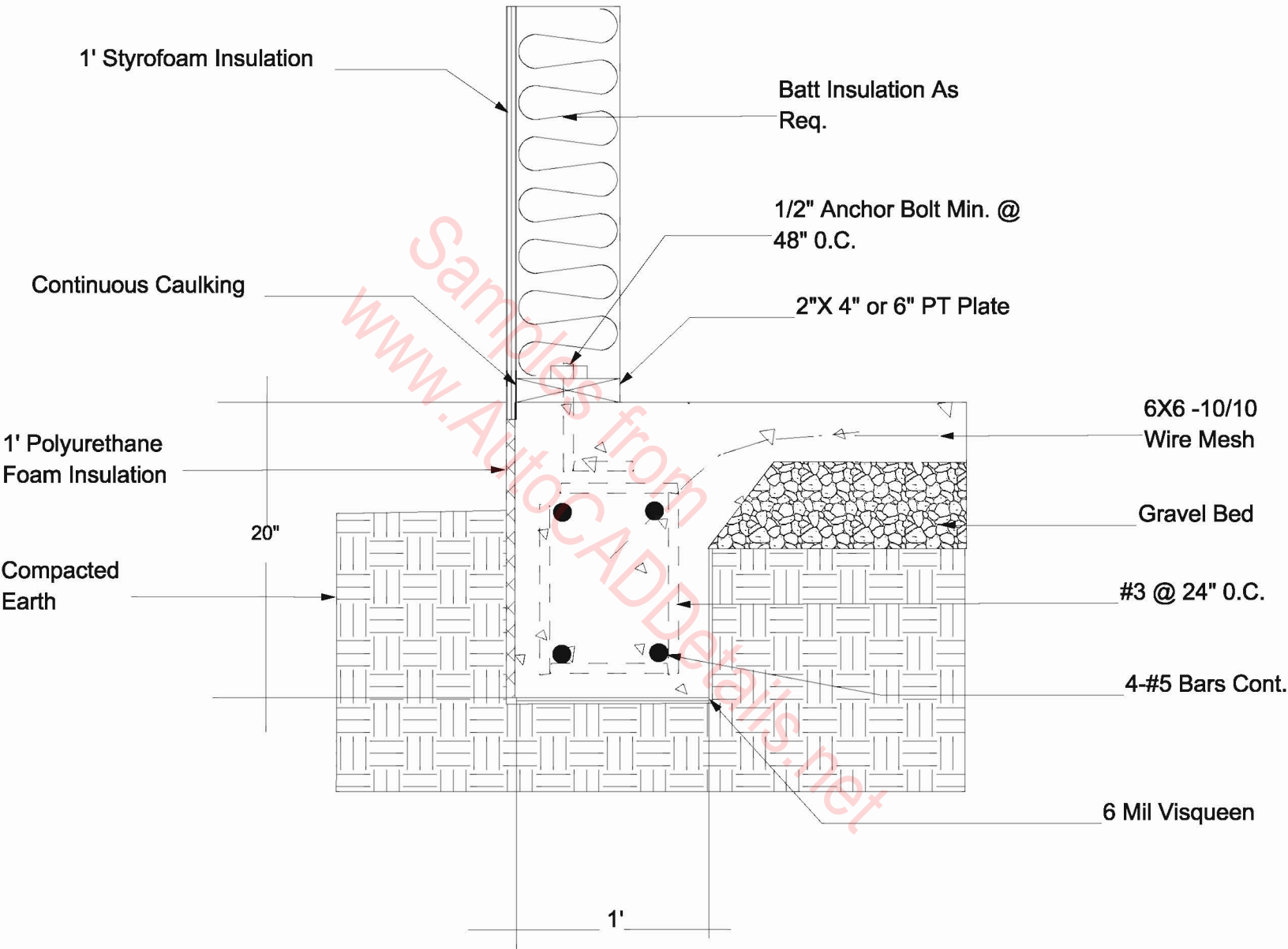
FOUNDATION DETAIL--Post & Beam
Typical



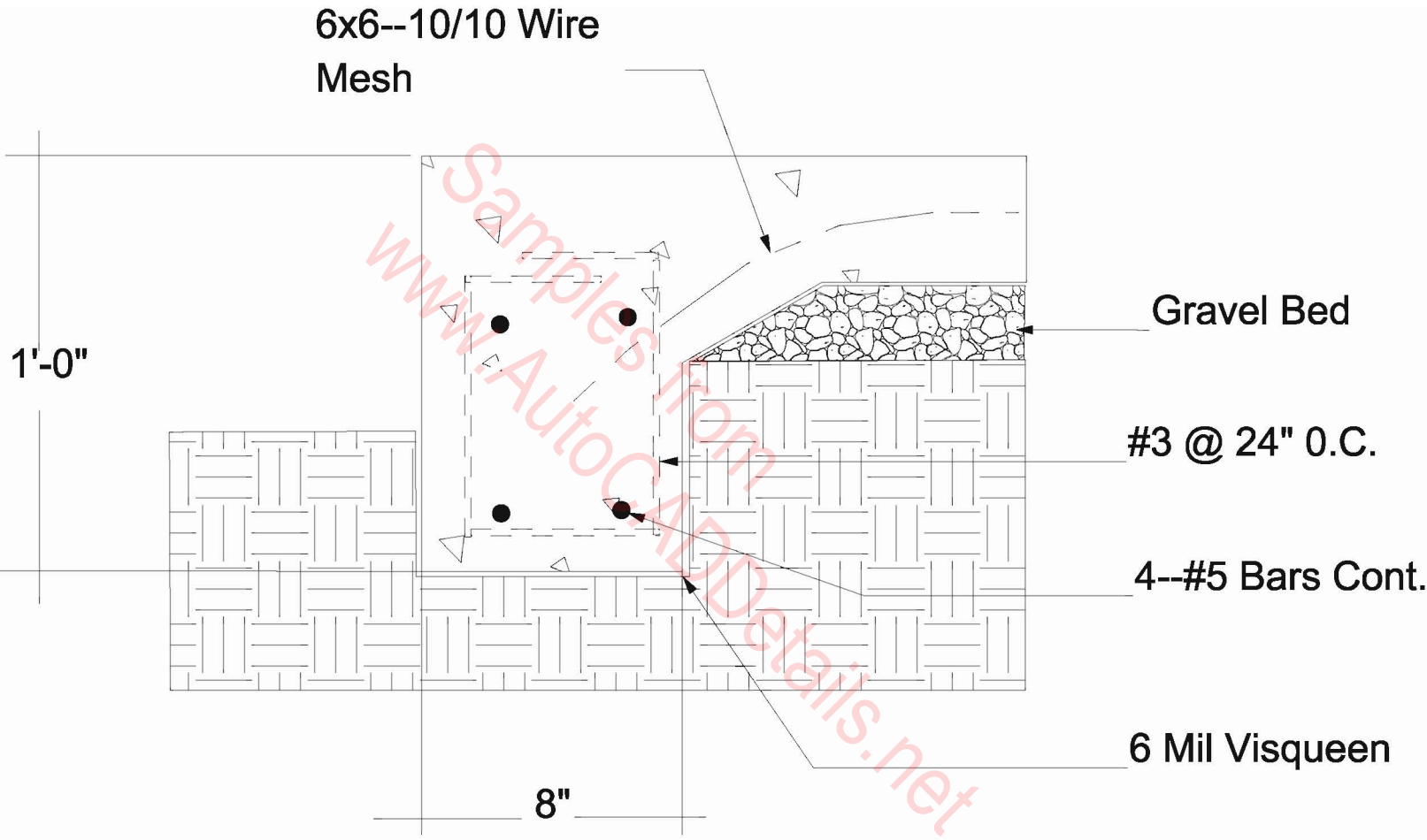
TYPICAL FOUNDATION (BRICK)
(Southern US)



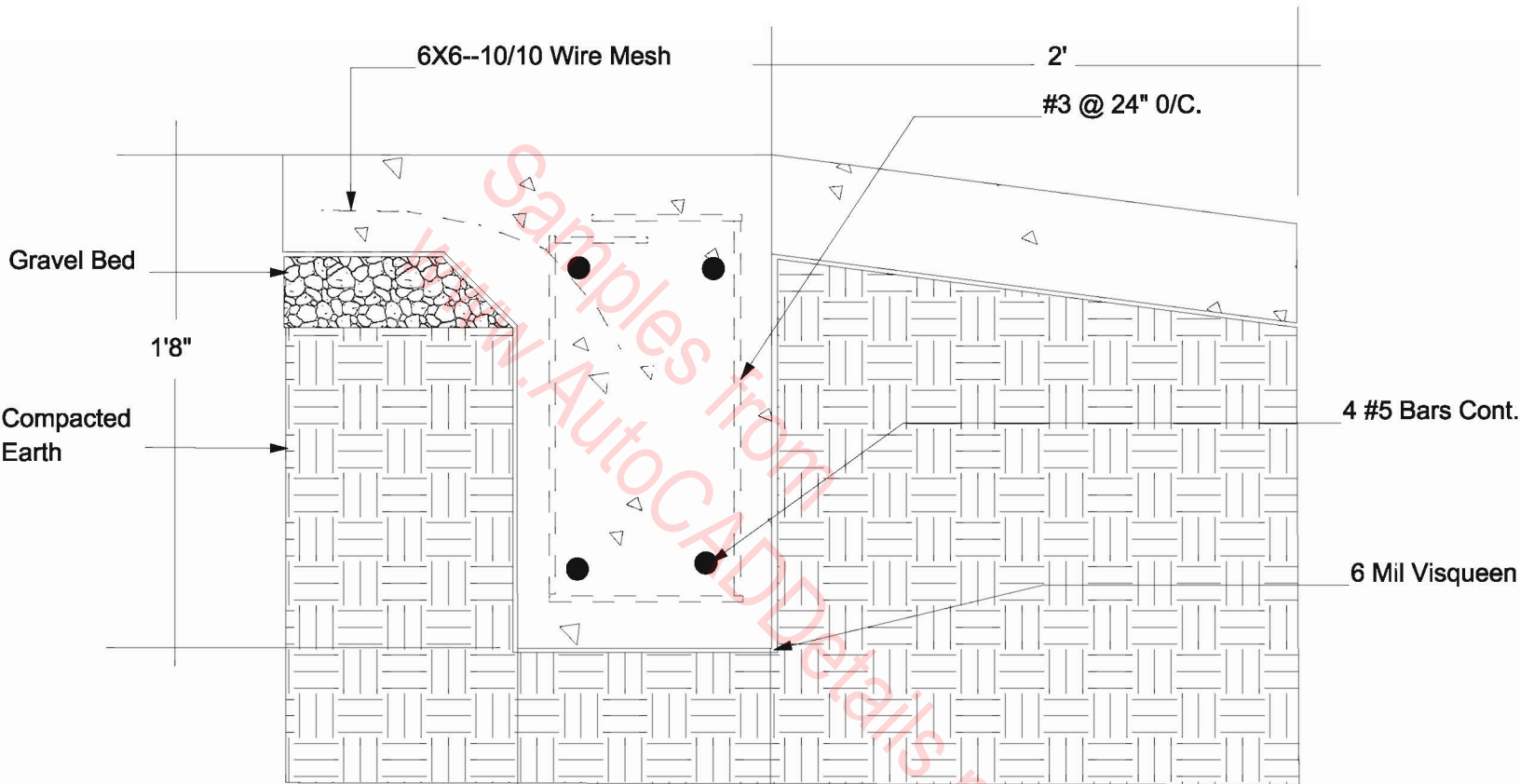
**TYPICAL FOUNDATION
(SOUTHERN US)**



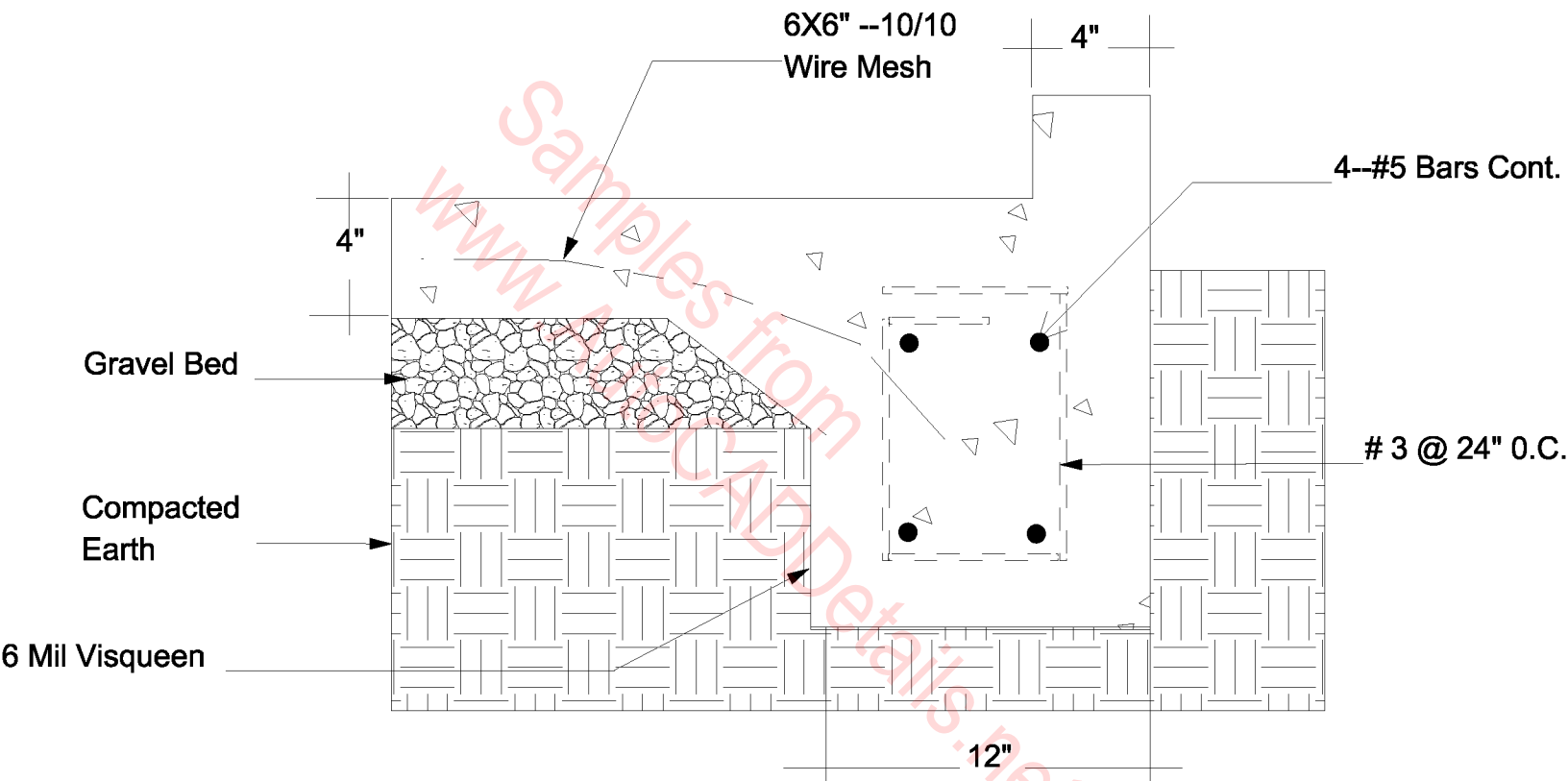
**TYPICAL FOUNDATION
(Southeastern US)**



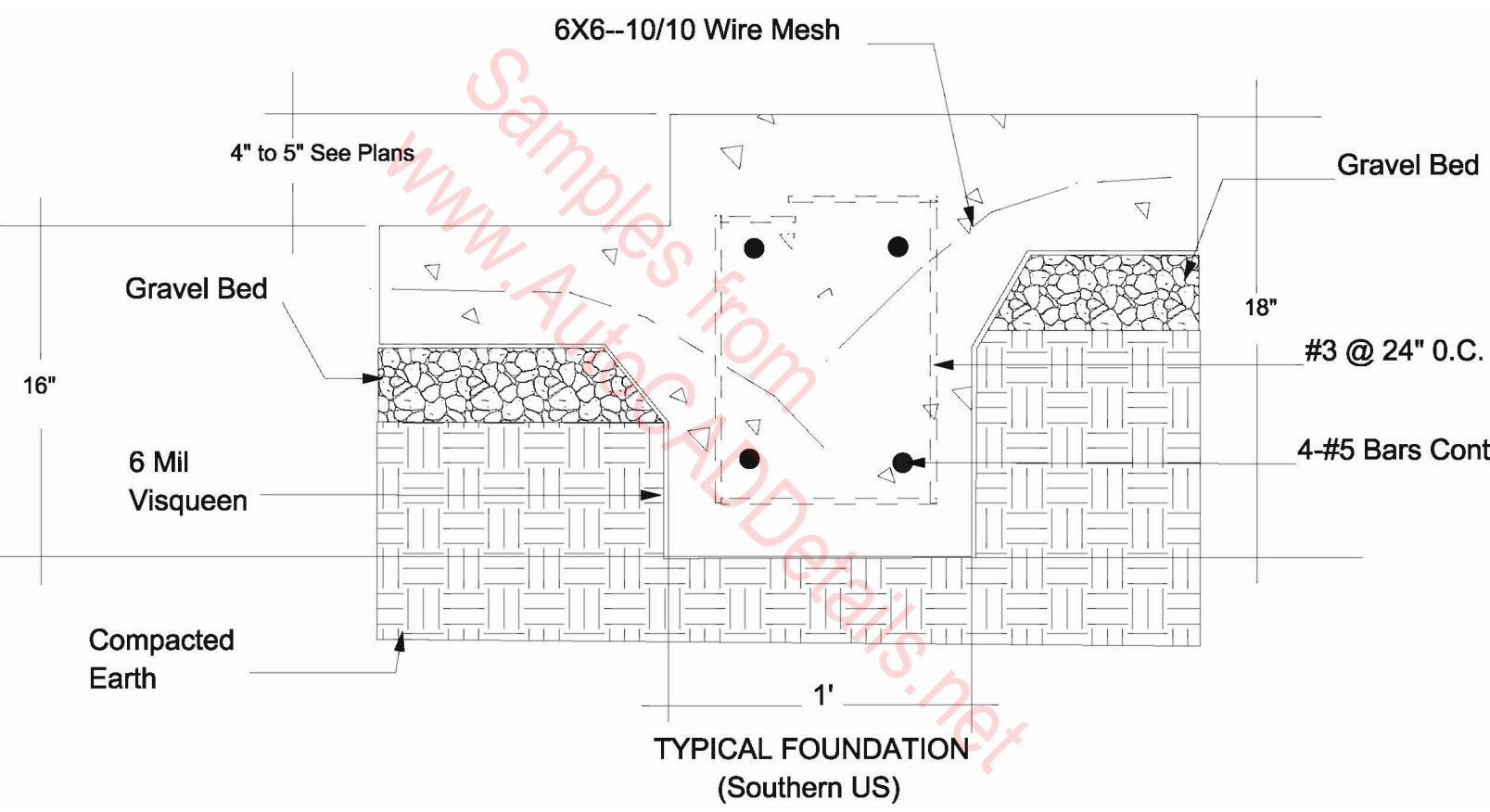
**TYPICAL FOUNDATION
(Southern US)**

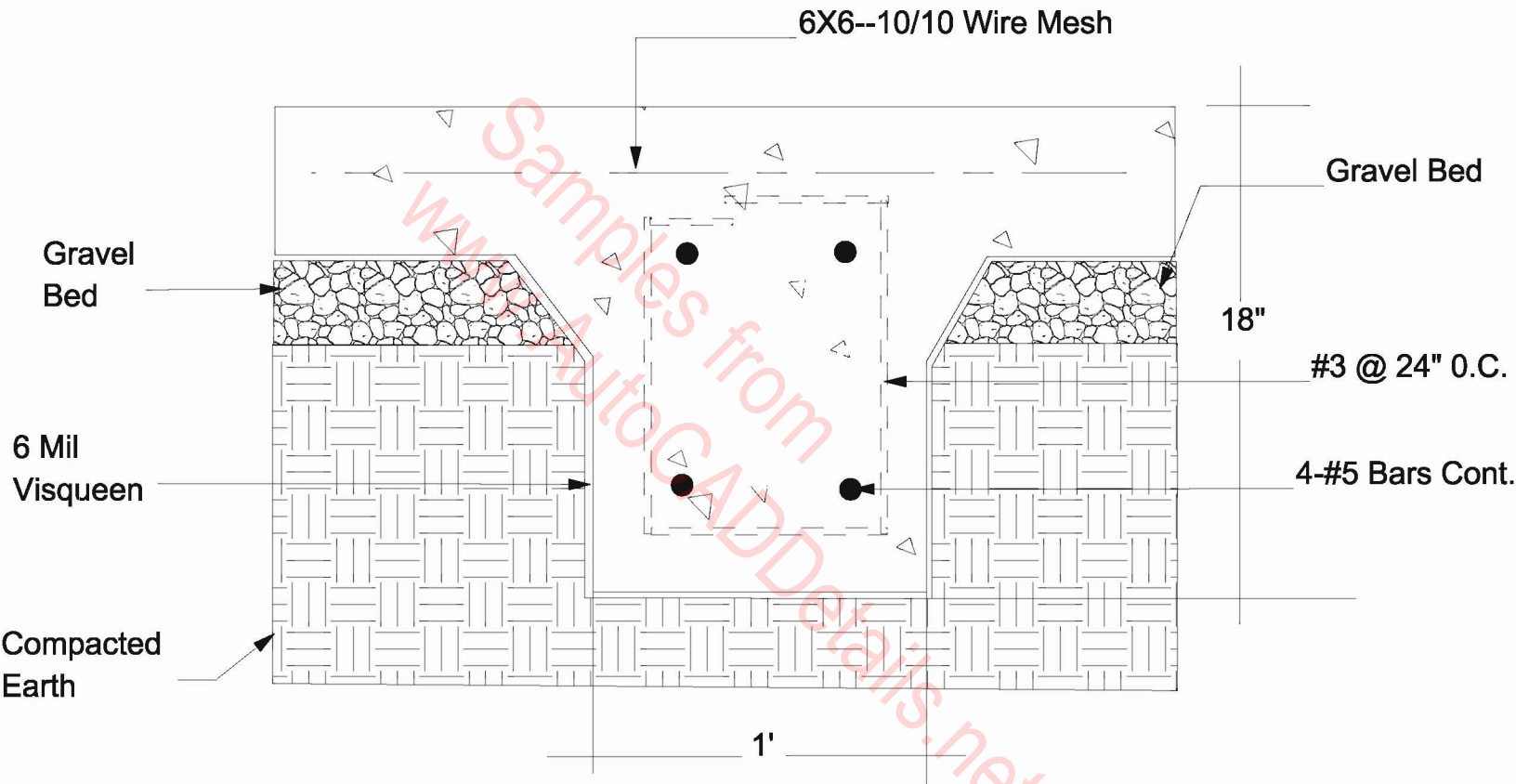


TYPICAL FOUNDATION
(Southern US)

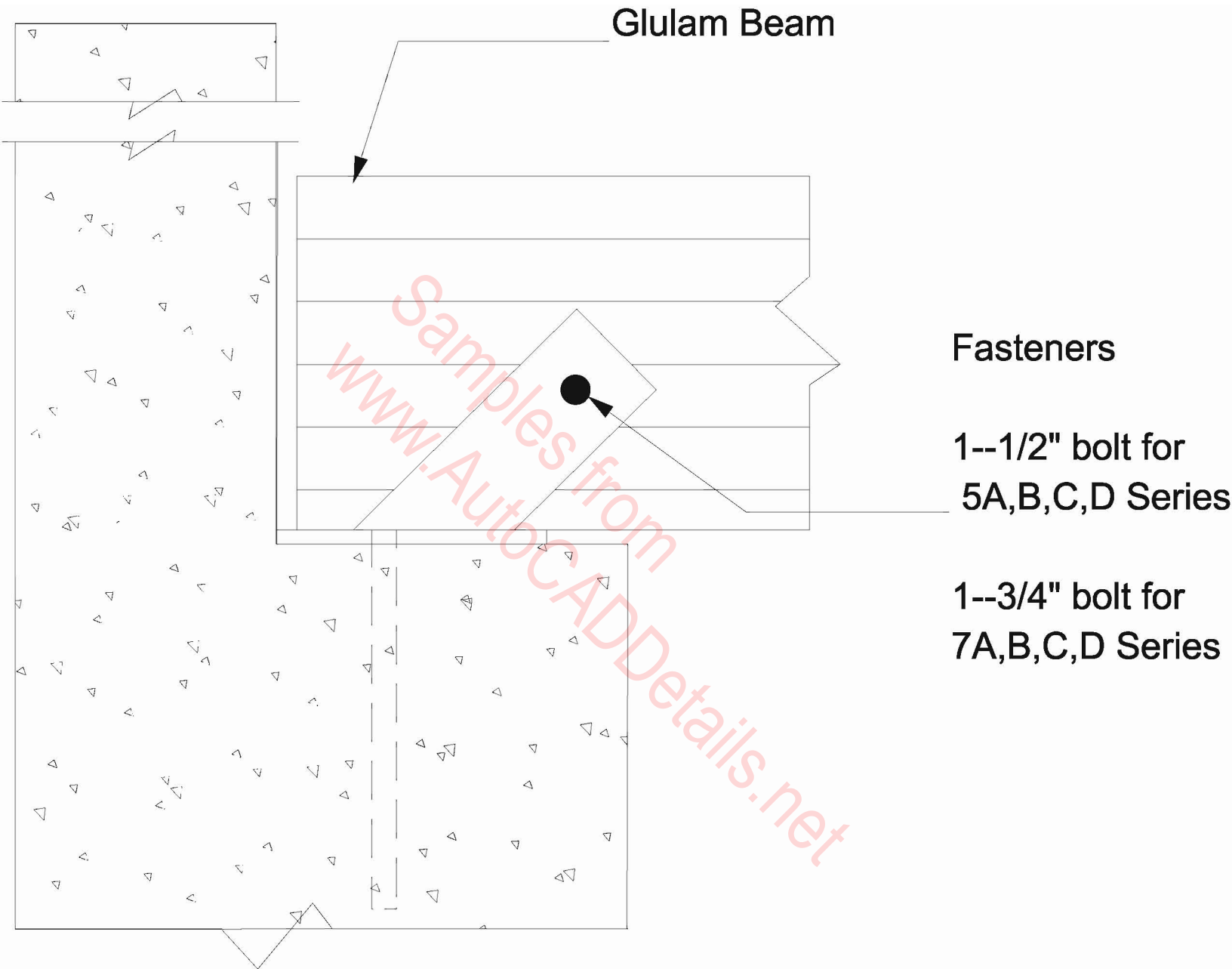


TYPICAL FOUNDATION
(Southern US)





TYPICAL FOUNDATION
(Southern US)



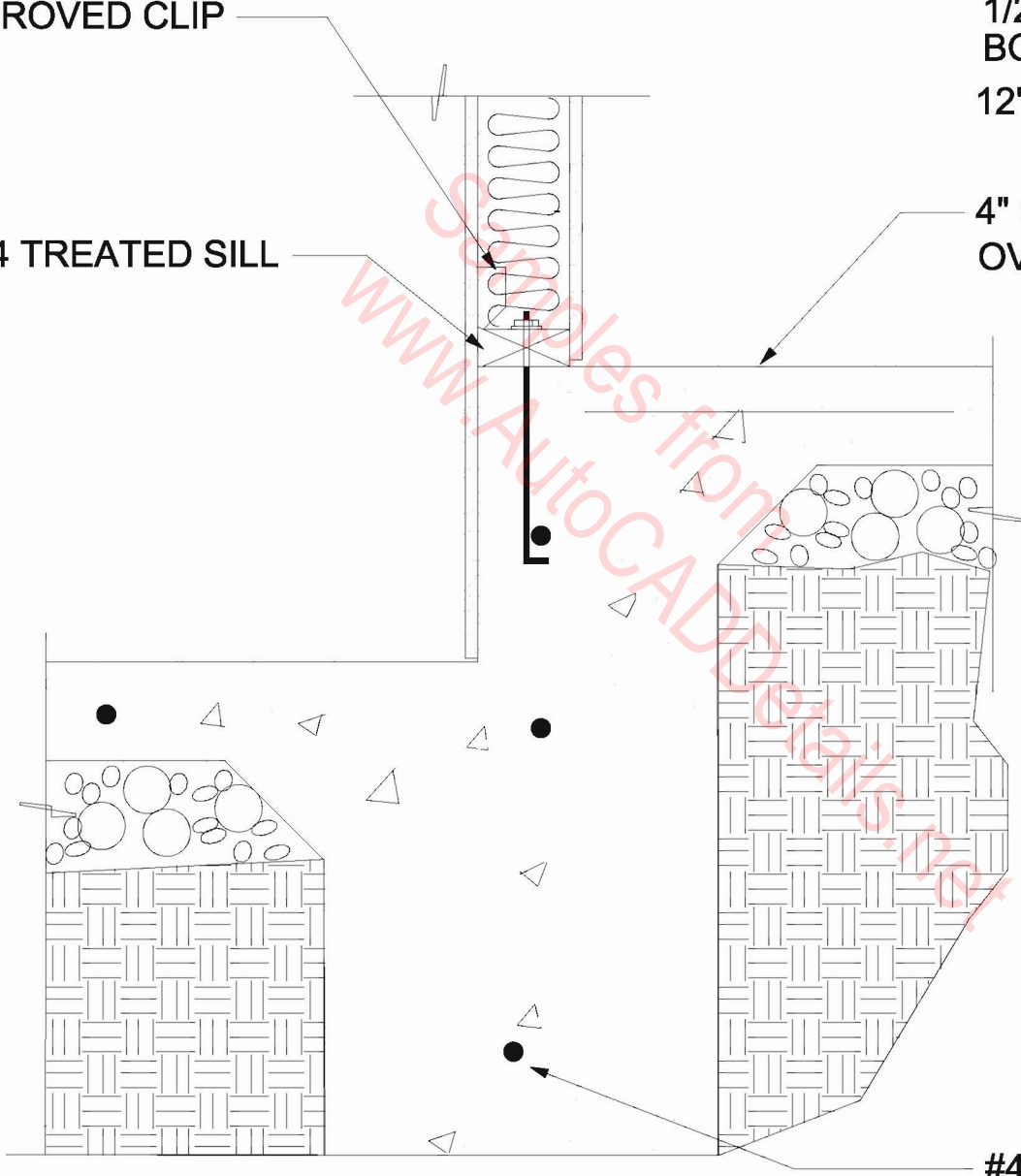
**Typical GLB Installation
(Beam Seat)**

1/2" GYPSUM BOARD OVER
2 X 4 STUDS @ 16" O.C.
WITH R-19 BATT INSULATION

1/2" X 10" ANCHOR
BOLTS @ 6'-0" O.C. AND
12" FROM SILL ENDS

4" CONCRETE SLAB
OVER 4" A.B.C.

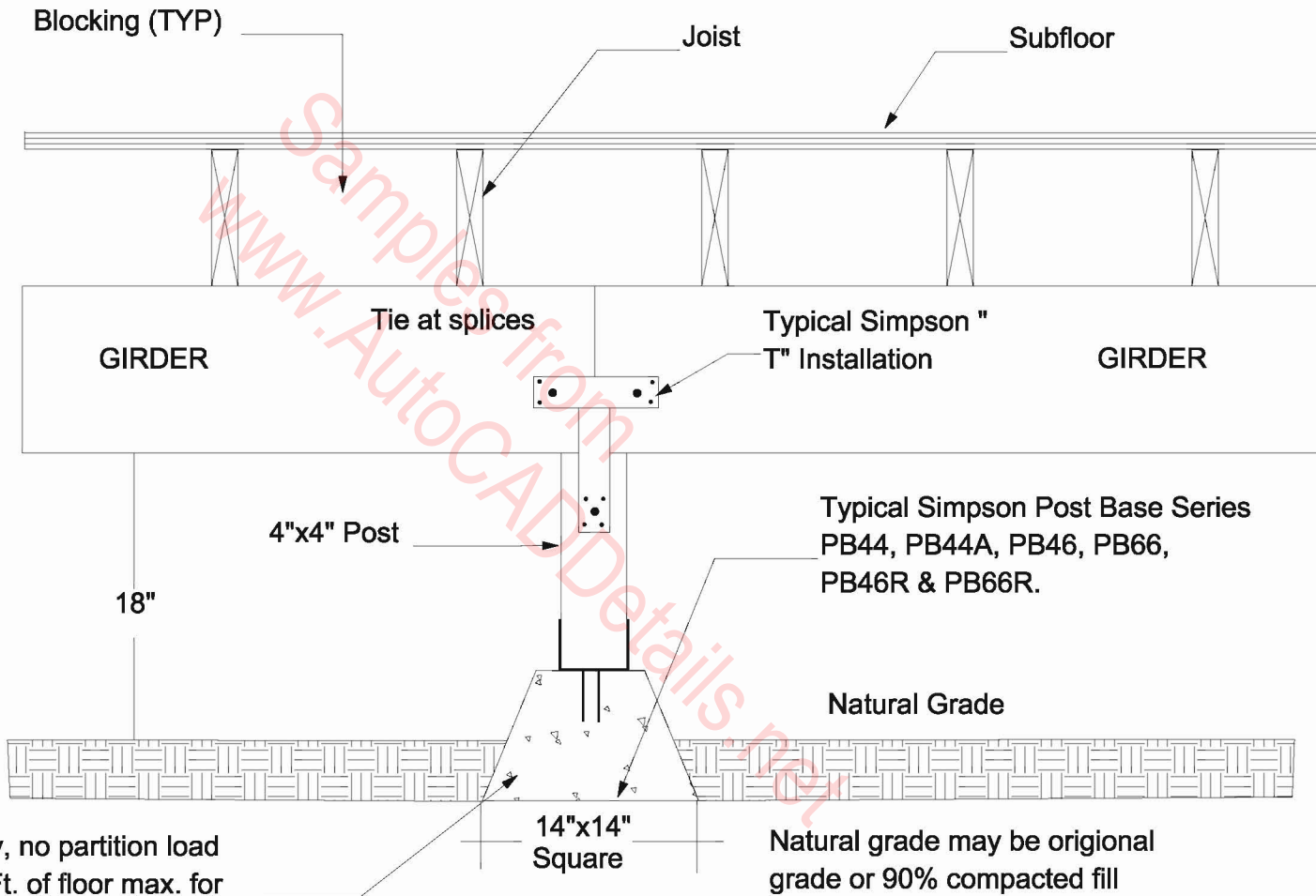
APPROVED CLIP
2 X 4 TREATED SILL



#4 REBAR CONTINUOUS

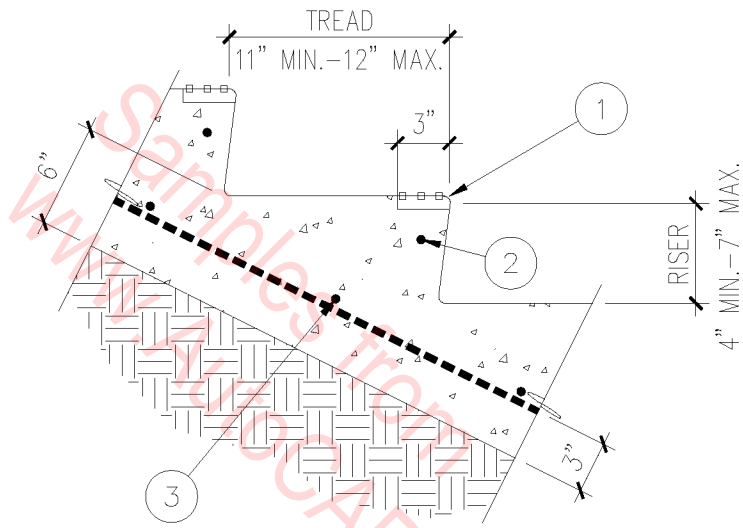
INTERIOR FOOTING

TEE FOOTING

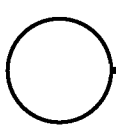


Floor Loads only, no partition load to carry 20 Sq. Ft. of floor max. for 14"x14" piet.

Typical Interior Pier



- 1. STAIR NOSING.
- 2. #4 REBAR CONTINUOUS.
- 3. #4 REBAR @ 12" O.C. EACH WAY.



EXTERIOR STAIRS

1" = 1'-0"

03B-4001

SEE ARCHITECTURAL DRAWINGS

SEE ARCHITECTURAL DRAWINGS

#4 NOSING REBAR
1" CLEAR TYP.

#4 @ 24" O.C.
EACH WAY

#3 X 3'-0" @ 24" O.C.
AT SLAB ON GRADE

NOTE: REBAR HORIZONTAL SLAB BARS
INTO ADJACENT WALLS.

#3 X 4"
@ 24" O.C. AT
SLAB ON GRADE

10"

10"

24"

12"

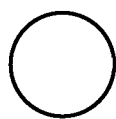
10"

3"

6" MIN.

3" CLEAR

LAP 32d

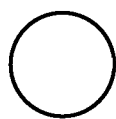
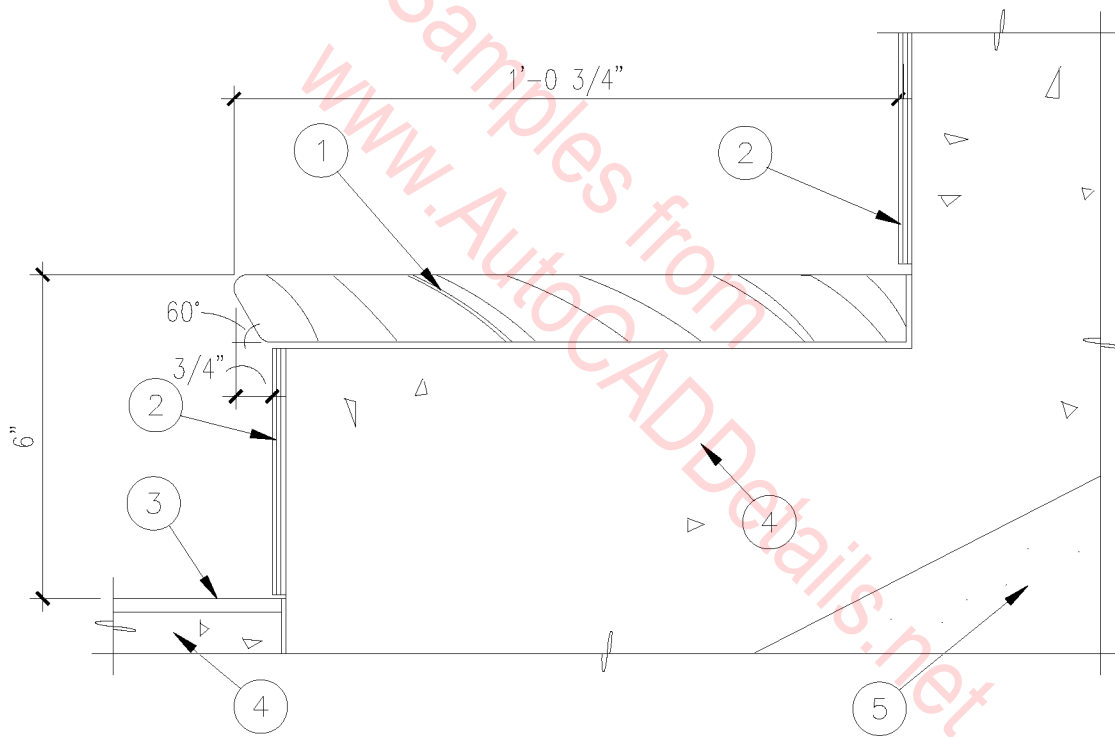


CONC. STAIRS ON GRADE

N.T.S.

03B-4002

1. 1 1/8" BULLNOSED MAPLE TREAD, ADHERE TO CONCRETE SLAB.
2. 1/4" MAPLE PLYWOOD RISER.
3. FINISH FLOOR.
4. CONCRETE SLAB.
5. SAND FILL.

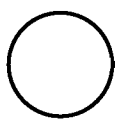
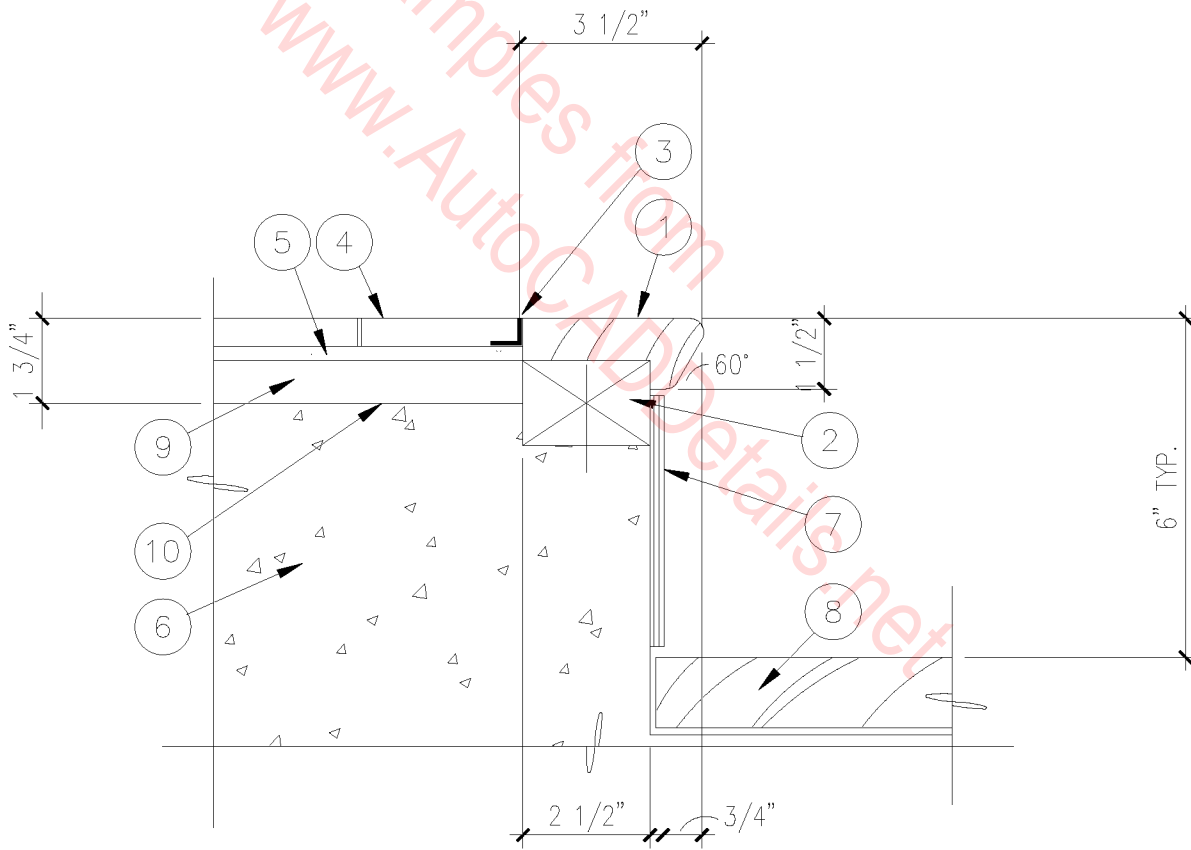


WOOD FINISH ON STAIRS

SCALE: 3" = 1'-0"

03B-4003

1. 1 1/2" MAPLE BULLNOSE.
2. 2" X 3" CONTINUOUS EMBED.
3. 1/2" HIGH BRASS TRIM.
4. FLOOR TILE.
5. THIN SET MORTAR BED.
6. CONCRETE SLAB.
7. 1/4" MAPLE PLYWOOD RISER.
8. 1 1/8" X MAPLE BULLNOSED TREAD
ADHERE TO CONCRETE.
9. GROUT BUILD-UP.
10. TOP OF CONCRETE SLAB.

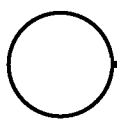
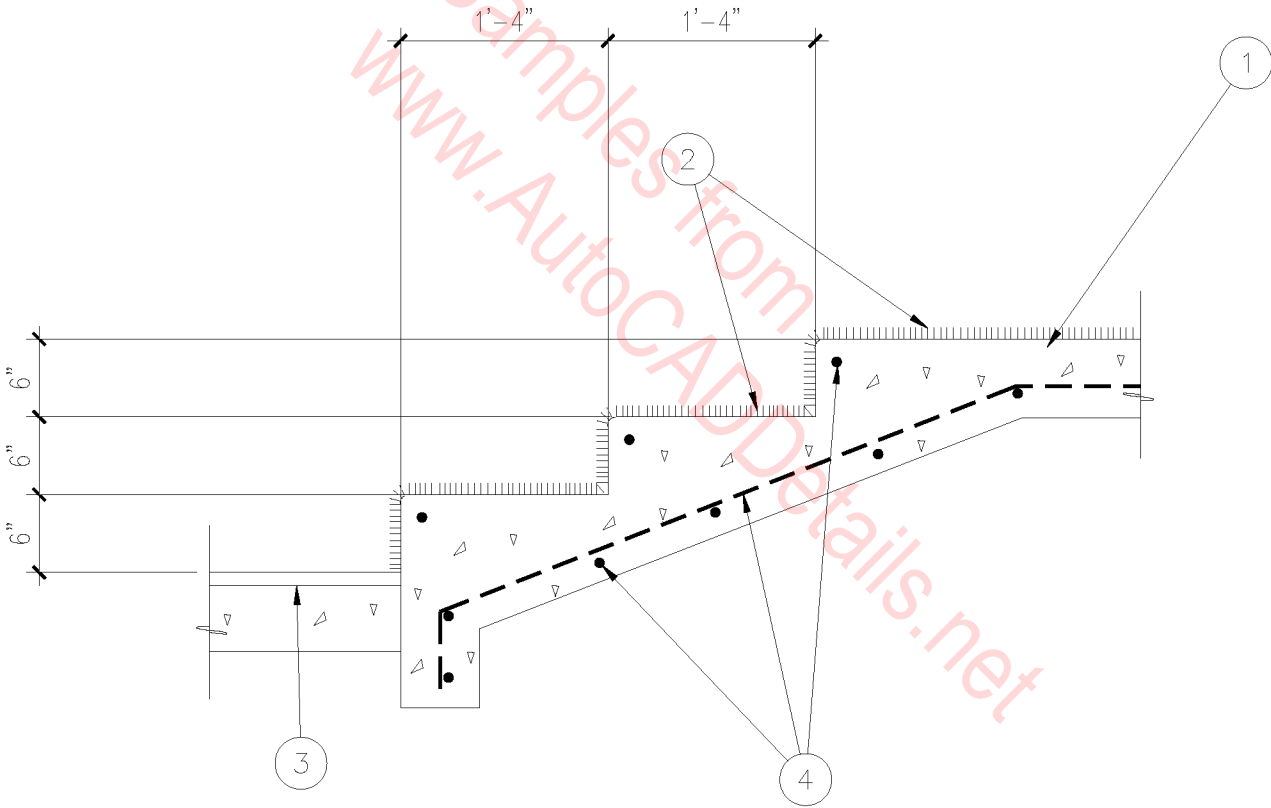


STAIR NOSING

SCALE: 3" = 1'-0"

03B-4004

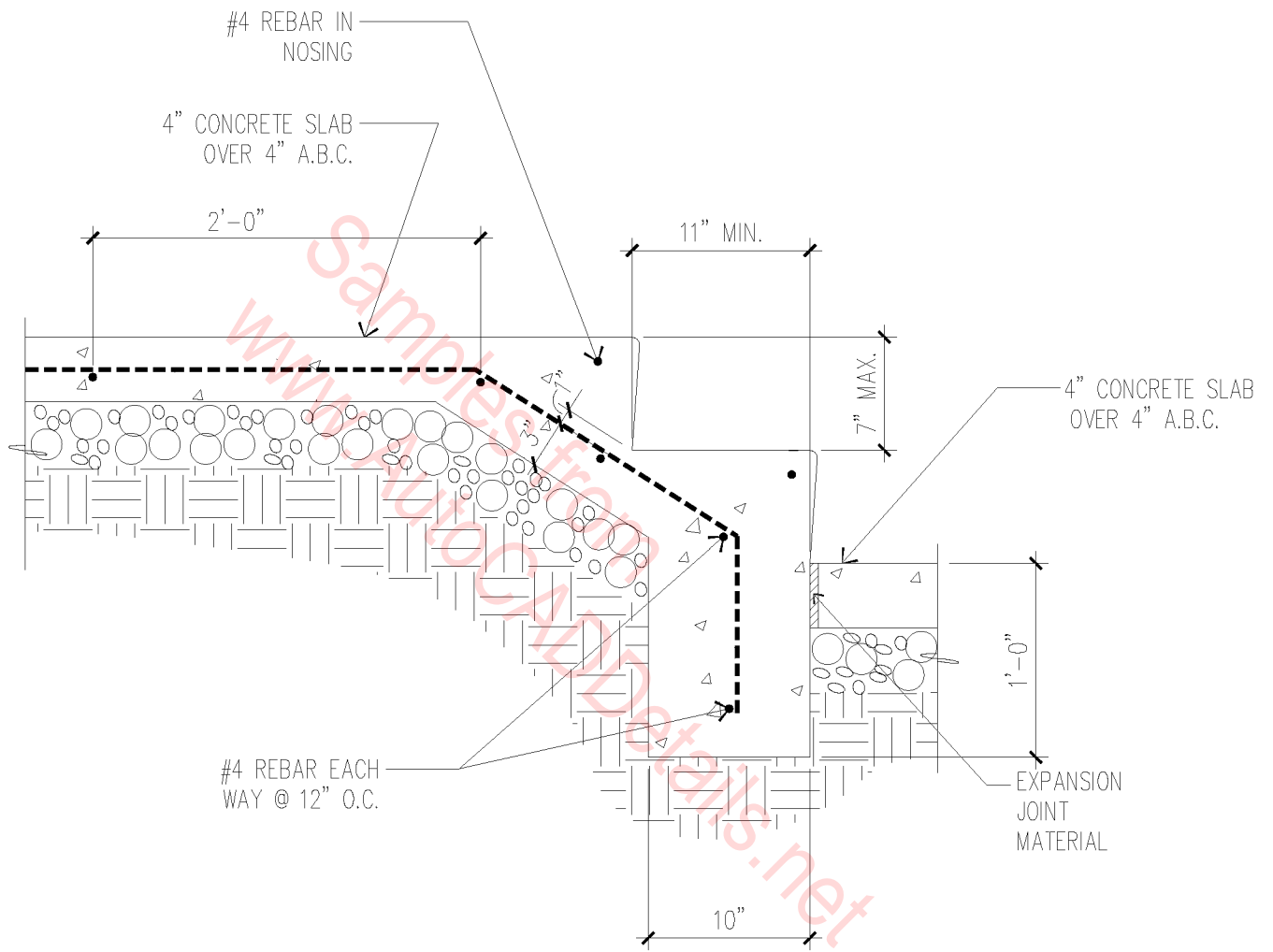
1. 4" CONCRETE SLAB.
2. CARPET ON SLAB AND STEPS UP TO PLATFORM.
3. FINISH FLOOR.
4. SEE STRUCTURAL FOR STAIR REINFORCING.



CARPET ON STAIRS

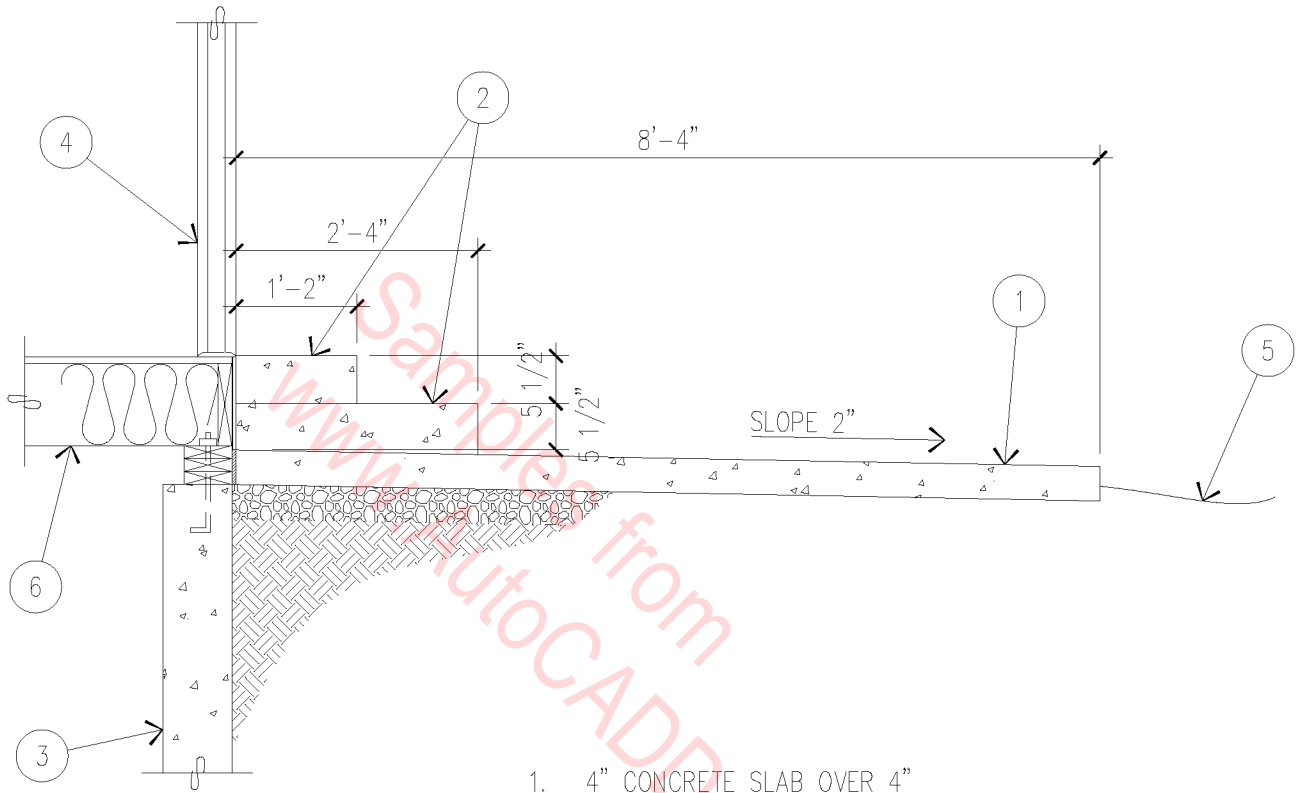
SCALE: 3/4" = 1'-0"

03B-4005



○ C.I.P. STAIRS
 1" = 1'-0"

03B-4006

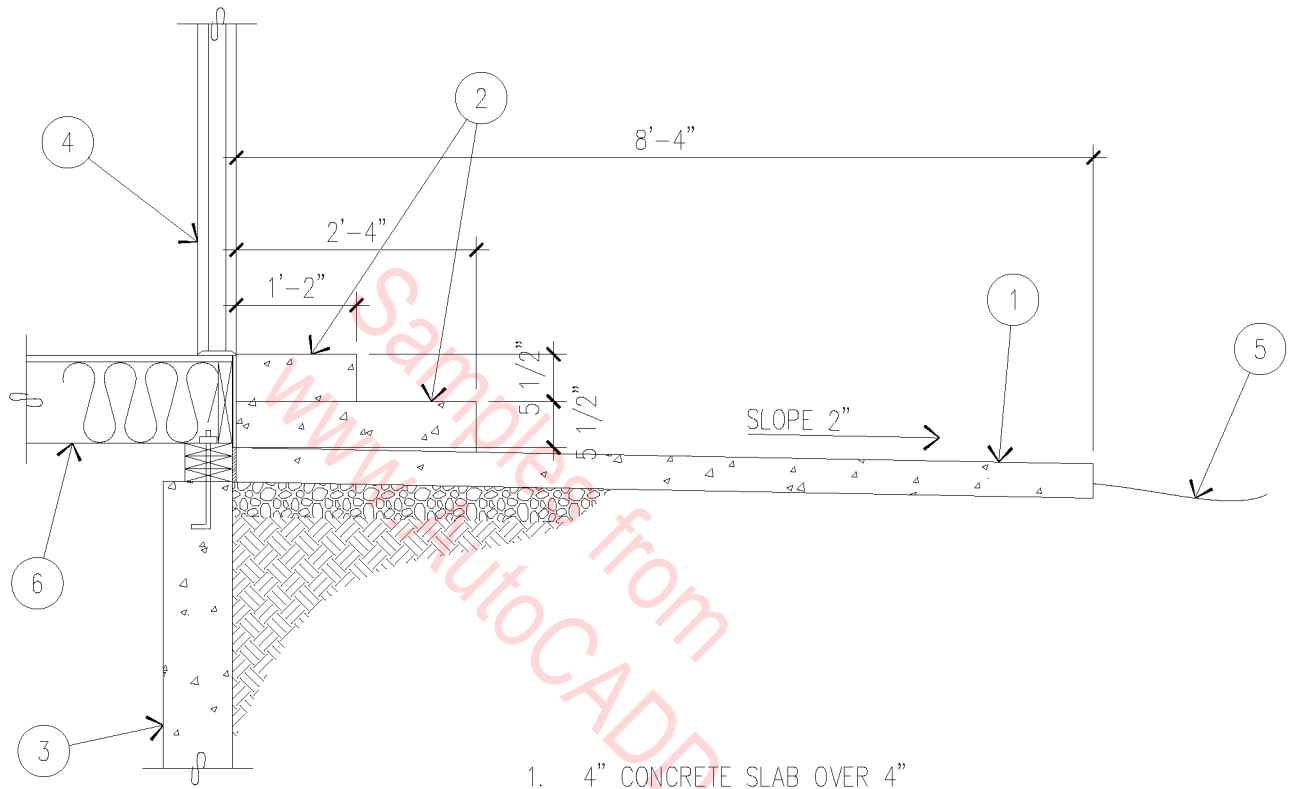


1. 4" CONCRETE SLAB OVER 4" AGGREGATE BASE COURSE.
2. CAST IN PLACE CONCRETE STEPS.
3. FOUNDATION WALL - SEE STRUCTURAL.
4. SLIDING GLASS DOOR - SEE SCHEDULE.
5. FINISH GRADE.
6. 2 X 10 FLOOR JOIST.

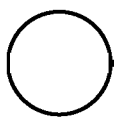
○ REAR PORCH

1/2" = 1'-0"

03B-4007



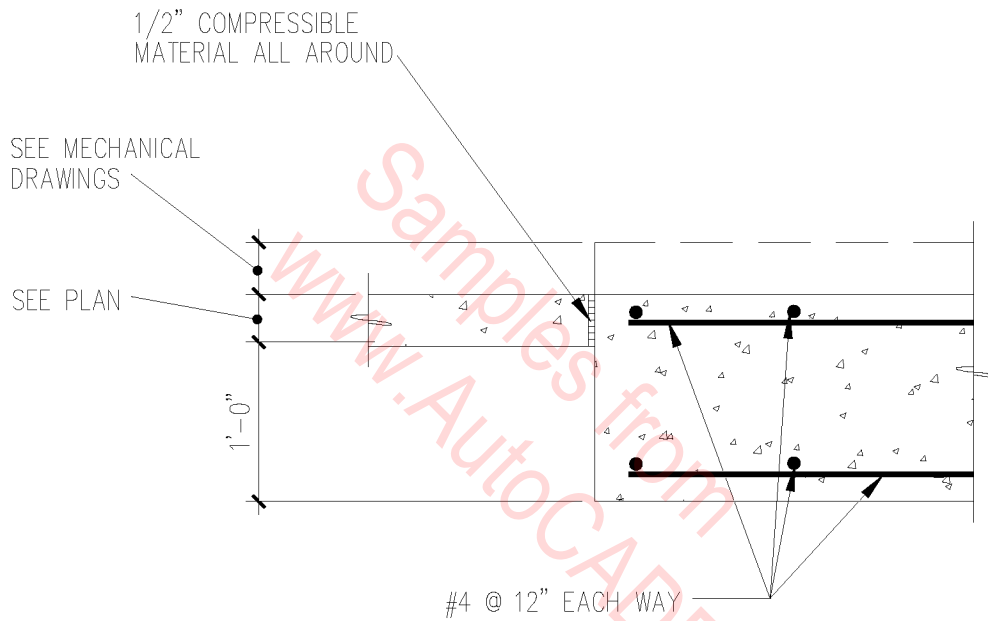
1. 4" CONCRETE SLAB OVER 4" AGGREGATE BASE COURSE.
2. CAST IN PLACE CONCRETE STEPS.
3. FOUNDATION WALL - SEE STRUCTURAL.
4. SLIDING GLASS DOOR - SEE SCHEDULE.
5. FINISH GRADE.
6. 2 X 10 FLOOR JOIST.



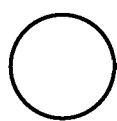
REAR PORCH

1/2" = 1'-0"

03B-4007



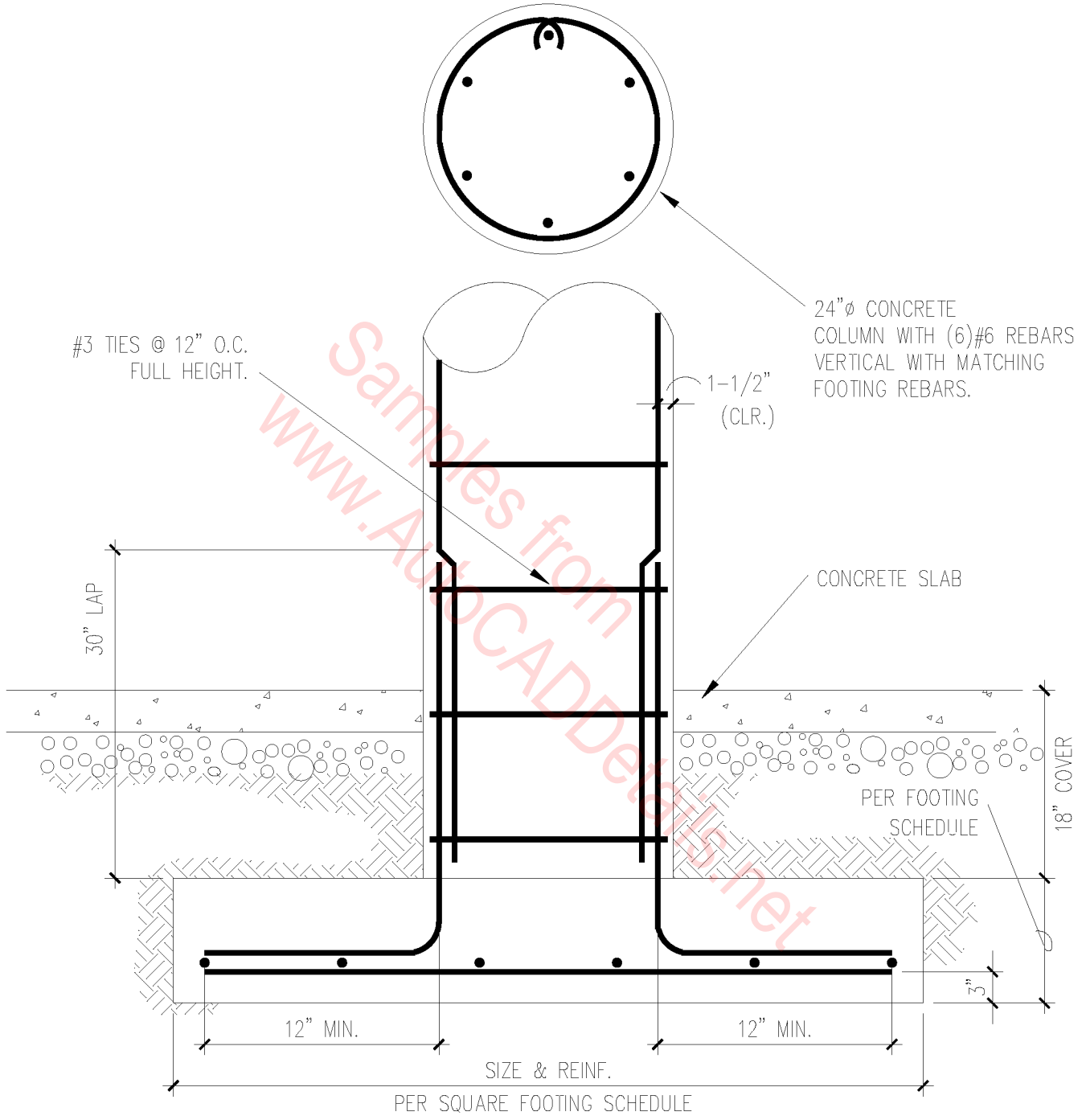
- NOTES:
1. EQUIPMENT FOOTING TO EXTEND 1'-0" MINIMUM BEYOND EDGE OF MECHANICAL EQUIPMENT ON ALL SIDES.
 2. SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR EQUIPMENT LOCATIONS.
 3. PROVIDE ANCHOR BOLTS FOR EQUIPMENT AS REQUIRED BY EQUIPMENT MANUFACTURER.



EQUIPMENT SUPPORT PAD

N.T.S.

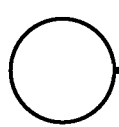
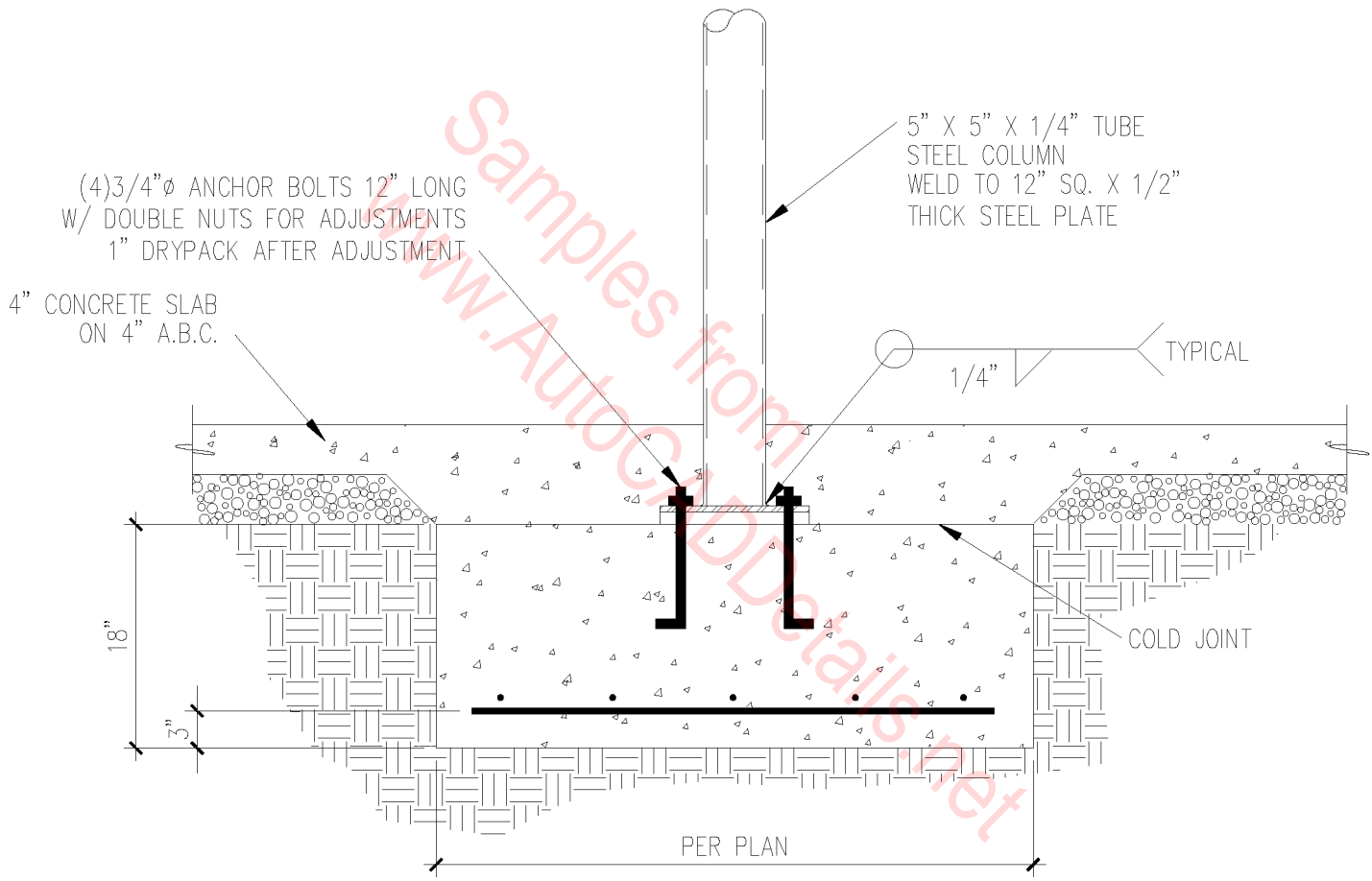
03B-5001



COLUMN PAD DETAIL

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

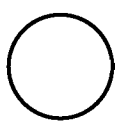
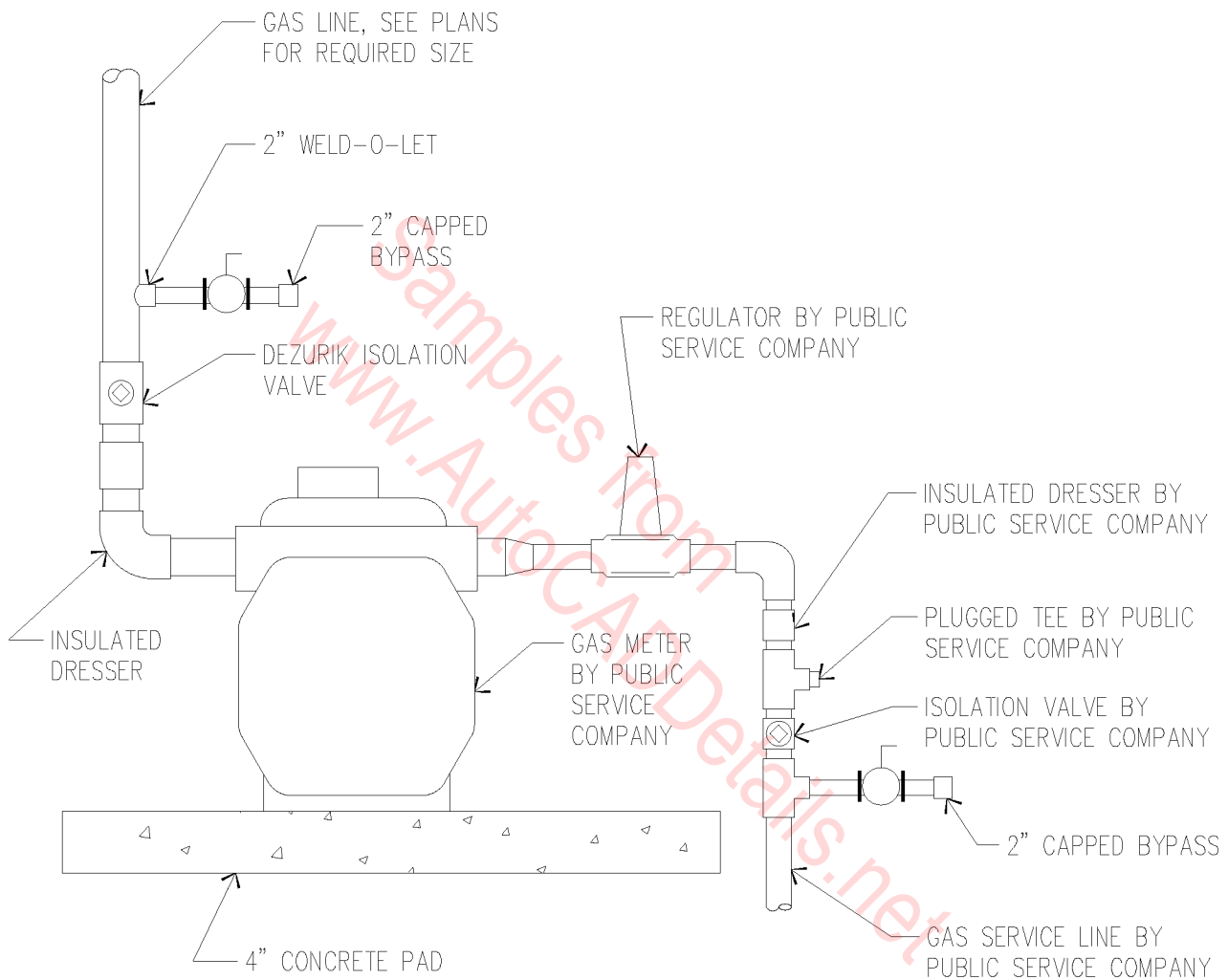
03B-5002



PAD AT STEEL COLUMN

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

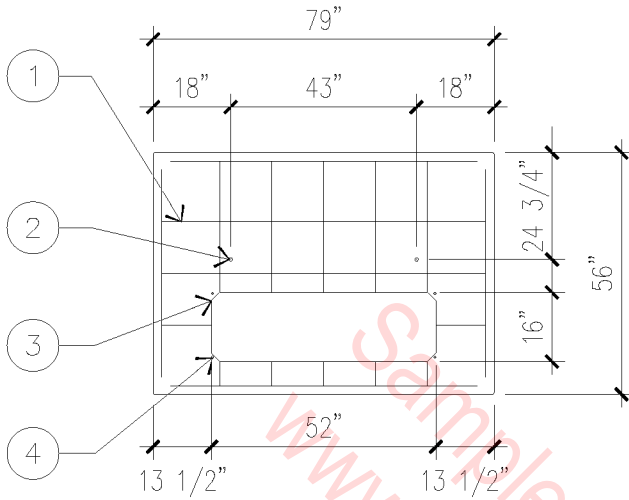
03B-5003



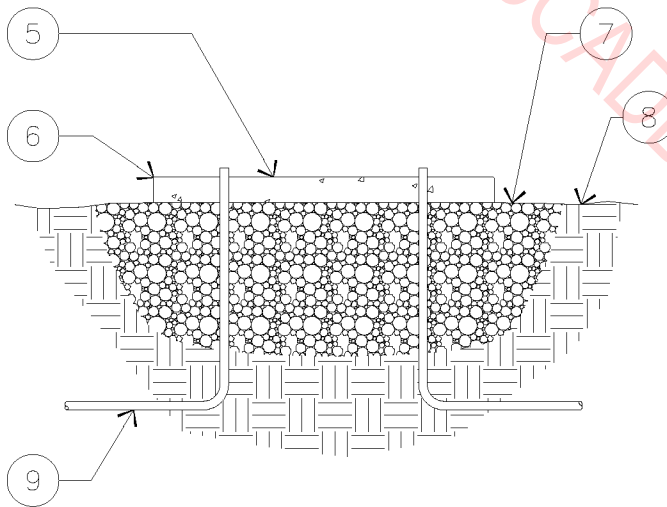
GAS METER DETAIL

N.T.S.

03B-5004



PLAN

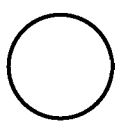


SECTION

1. #4 REBAR, GRADE 60, MINIMUM OF 2" FROM EDGE/SURFACE OF OF CONCRETE.
2. LIFTING INSERTS TO BE 3/4" STRAIGHT COIL LOOP INSERTS (SUPERIOR CONCRETE ACCESSORIES CATALOG NUMBER SCL-4).
3. 2" CHAMFER.
4. TIE DOWN INSERTS TO BE INTERNAL THREADED INSERT WITH 1/2"-13 UNC THREADS.
5. 6" THICK SLAB.
6. 1/2" RADIUS.
7. ONE YARD OF PEA GRAVEL.
8. COMPACTED BACKFILL UNDER PAD 3' MINIMUM.
9. PROVIDE PVC ELBOWS INTO WINDOW OF PAD FOR PRIMARY AND SECONDARY.

NOTES

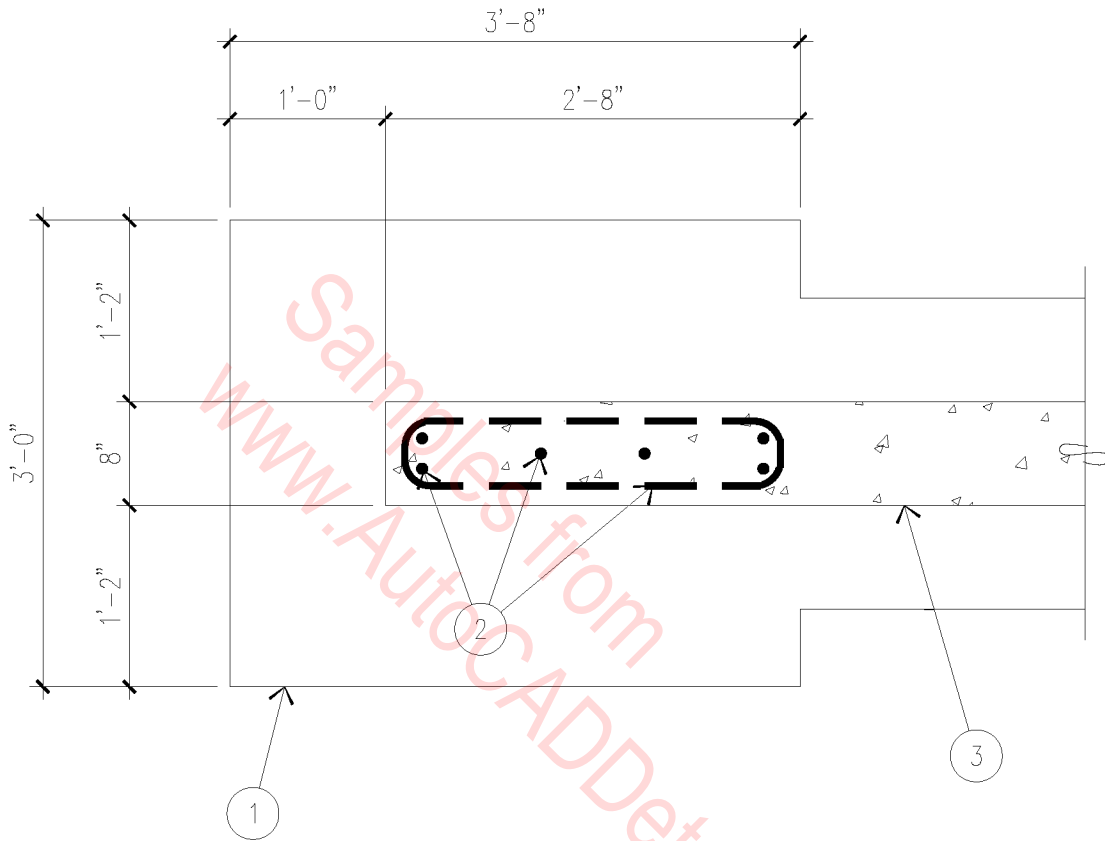
- A. 3/4" CHAMFER OR 1/2" RADIUS ON ALL SURFACE EDGES.
- B. CONCRETE TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AFTER 28 DAYS.
- C. PAD TO BE AT LEAST 5' AWAY FROM ANY BUILDING OR STRUCTURE WITH CABLE OPENING AWAY FROM BUILDING.



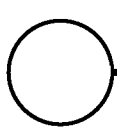
TRANSFORMER PAD

1/4" = 1'-0"

03B-5005



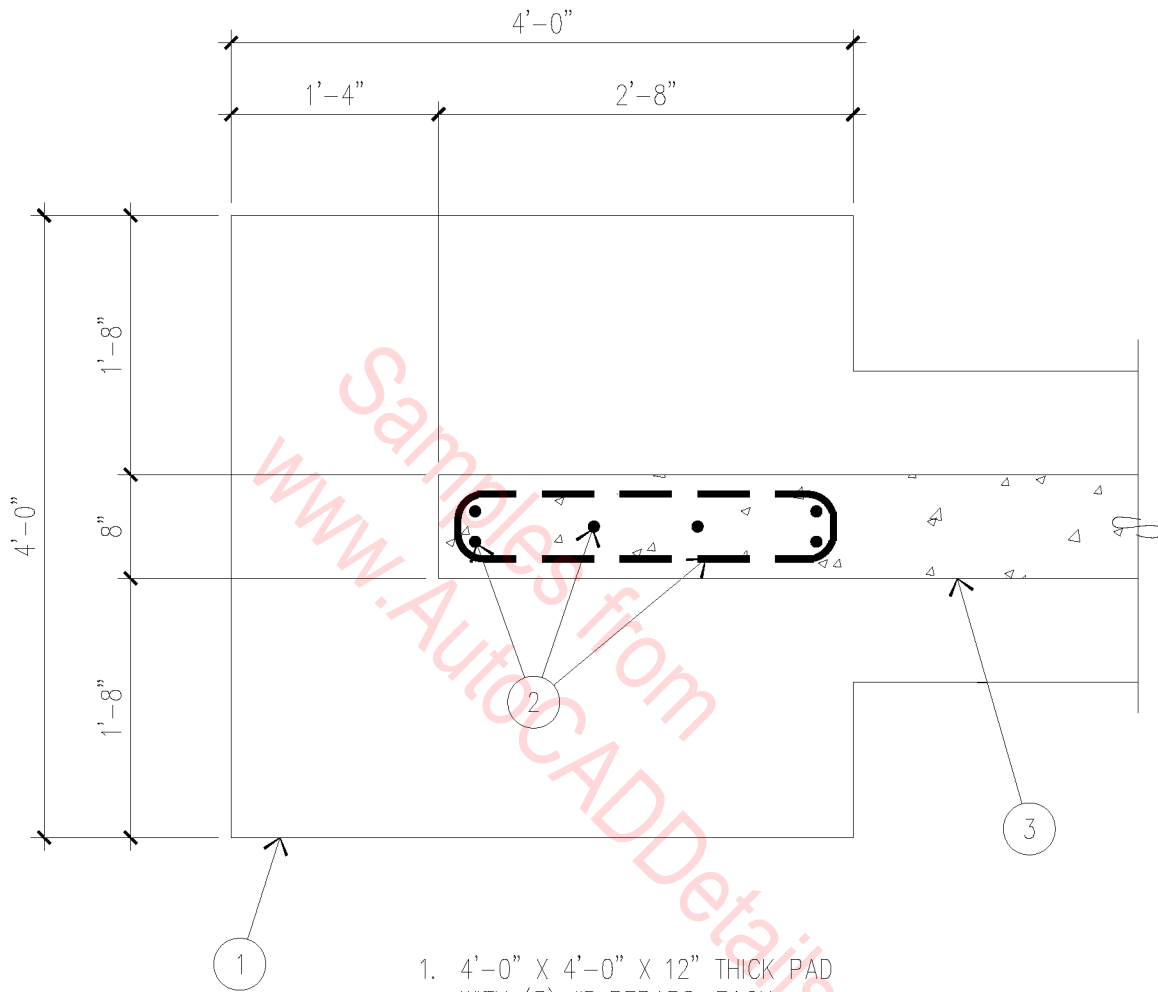
1. 3'-8" X 3'-0" X 12" THICK PAD WITH #5 REBARS @ 12" O.C., EACH WAY.
2. (6) #5 VERTICALS WITH #2 TIES @ 8" O.C.
3. 8" CAST IN PLACE STEM WALL.



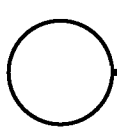
PAD

3/4" = 1'-0"

03B-5006



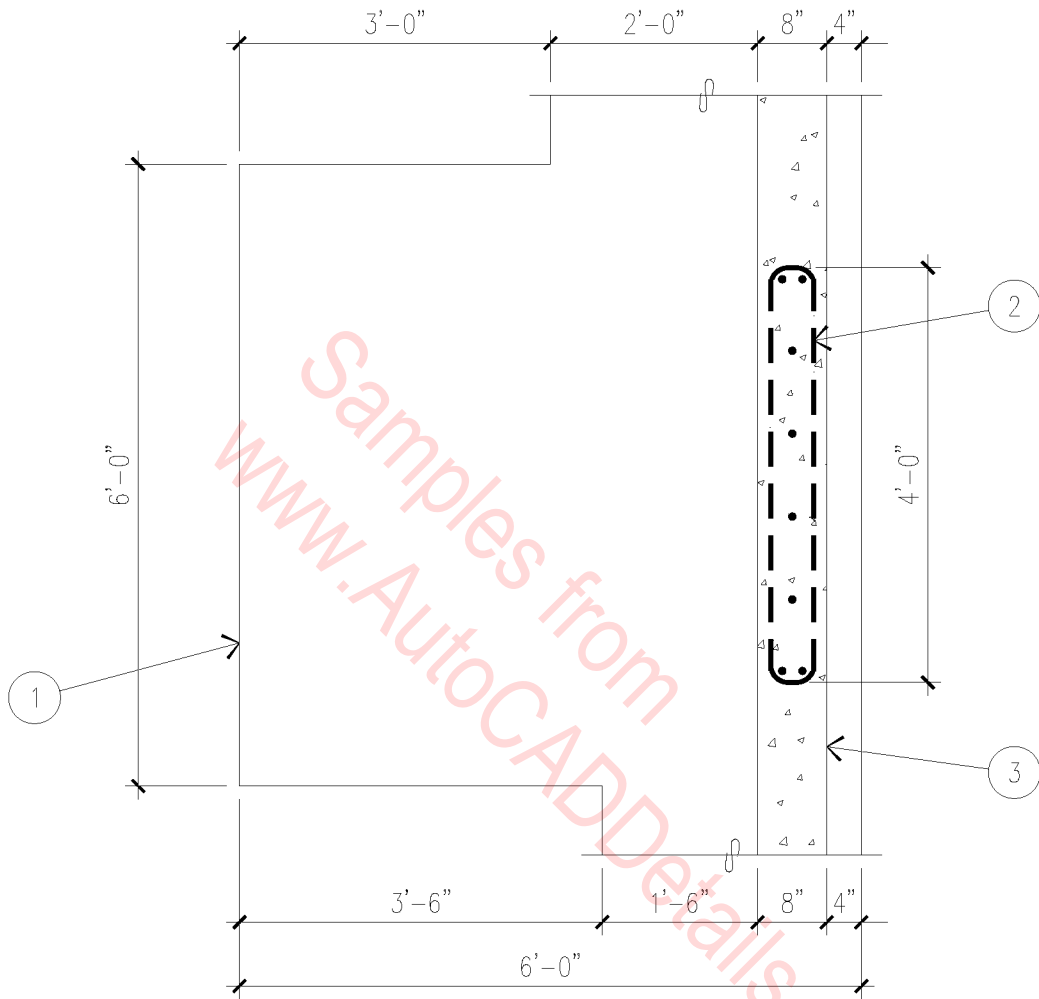
1. 4'-0" X 4'-0" X 12" THICK PAD WITH (3) #5 REBARS, EACH WAY.
2. (6) #5 VERTICALS WITH #2 TIES @ 8" O.C.
3. 8" CAST IN PLACE STEM WALL.



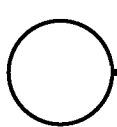
PAD

3/4" = 1'-0"

03B-5007



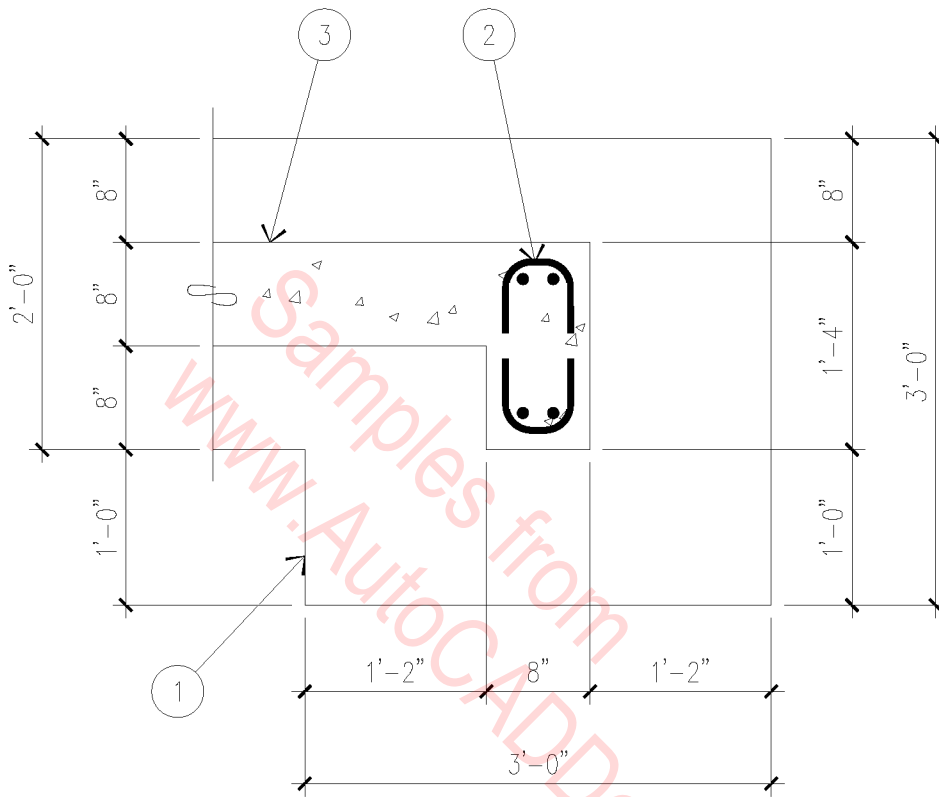
1. 6'-0" X 6'-0" X 12" THICK PAD WITH #5 REBARS @ 12" O.C., EACH WAY, TOP AND BOTTOM.
2. (8) #5 VERTICALS WITH #2 TIES @ 16" O.C.
3. 8" CAST IN PLACE STEM WALL.



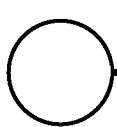
PAD

1/2" = 1'-0"

03B-5008



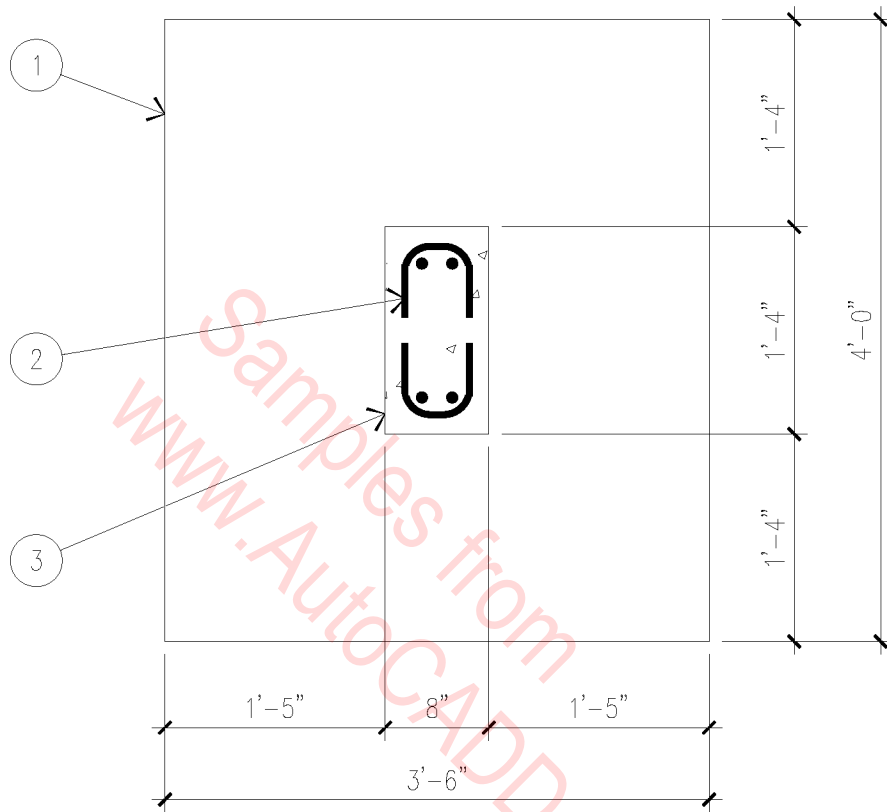
1. 3'-0" X 3'-0" X 12" THICK PAD WITH (2) #5 REBARS EACH WAY.
2. (4) #5 VERTICALS WITH #2 TIES @ 8" O.C.
3. 8" CAST IN PLACE STEM WALL.



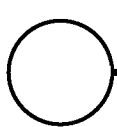
PAD

3/4" = 1'-0"

03B-5009



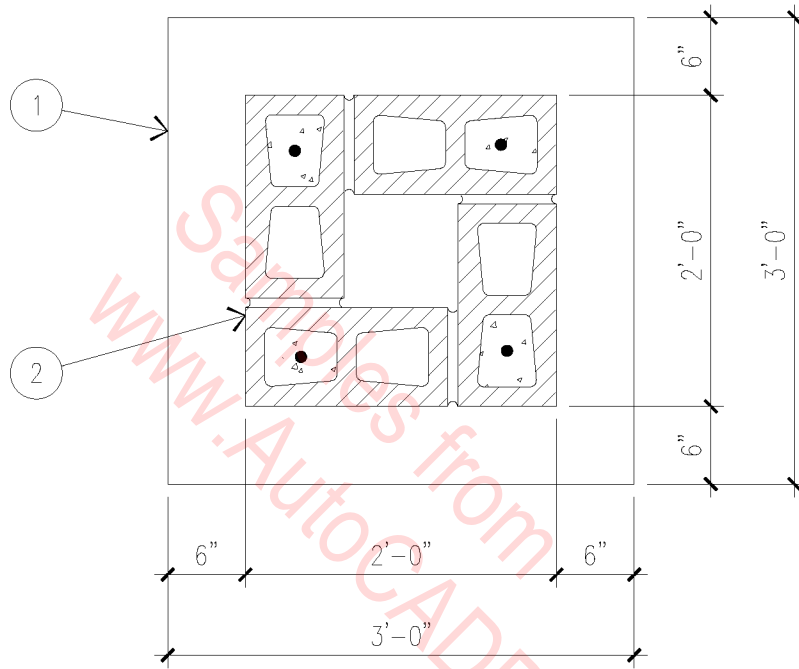
1. 3'-6" X 4'-0" X 12" THICK PAD WITH (3) #5 REBARS EACH WAY.
2. (4) #5 VERTICALS WITH #2 TIES @ 8" O.C.
3. 8" CAST IN PLACE STEM WALL.



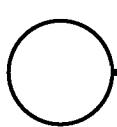
PAD

3/4" = 1'-0"

03B-5010



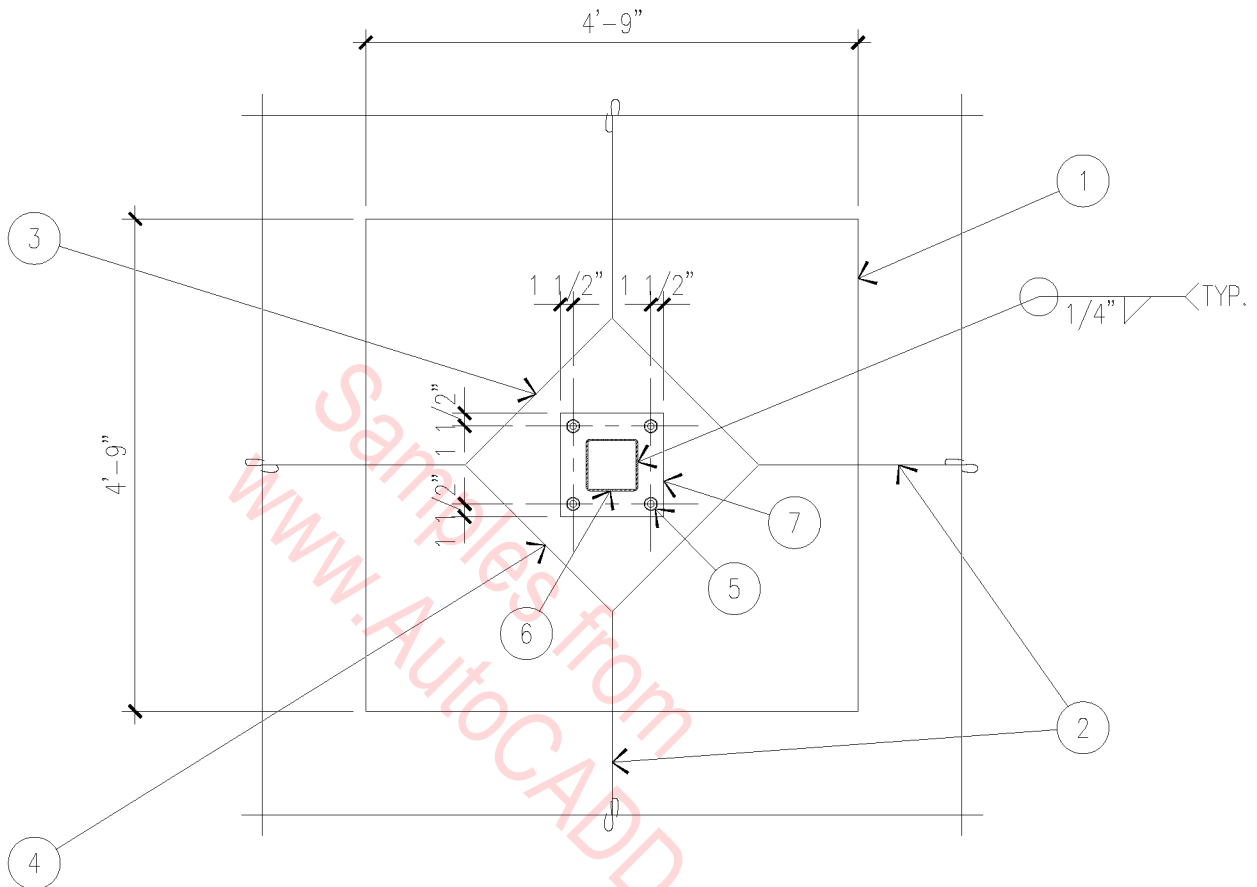
1. 3'-0" X 3'-0" X 12" THICK PAD WITH (2) #5 REBARS EACH WAY.
2. 8 X 8 X 16 CMU WITH (1) #5 REBAR AT EACH CORNER.



PAD

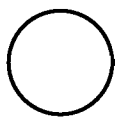
3/4" = 1'-0"

03B-5011



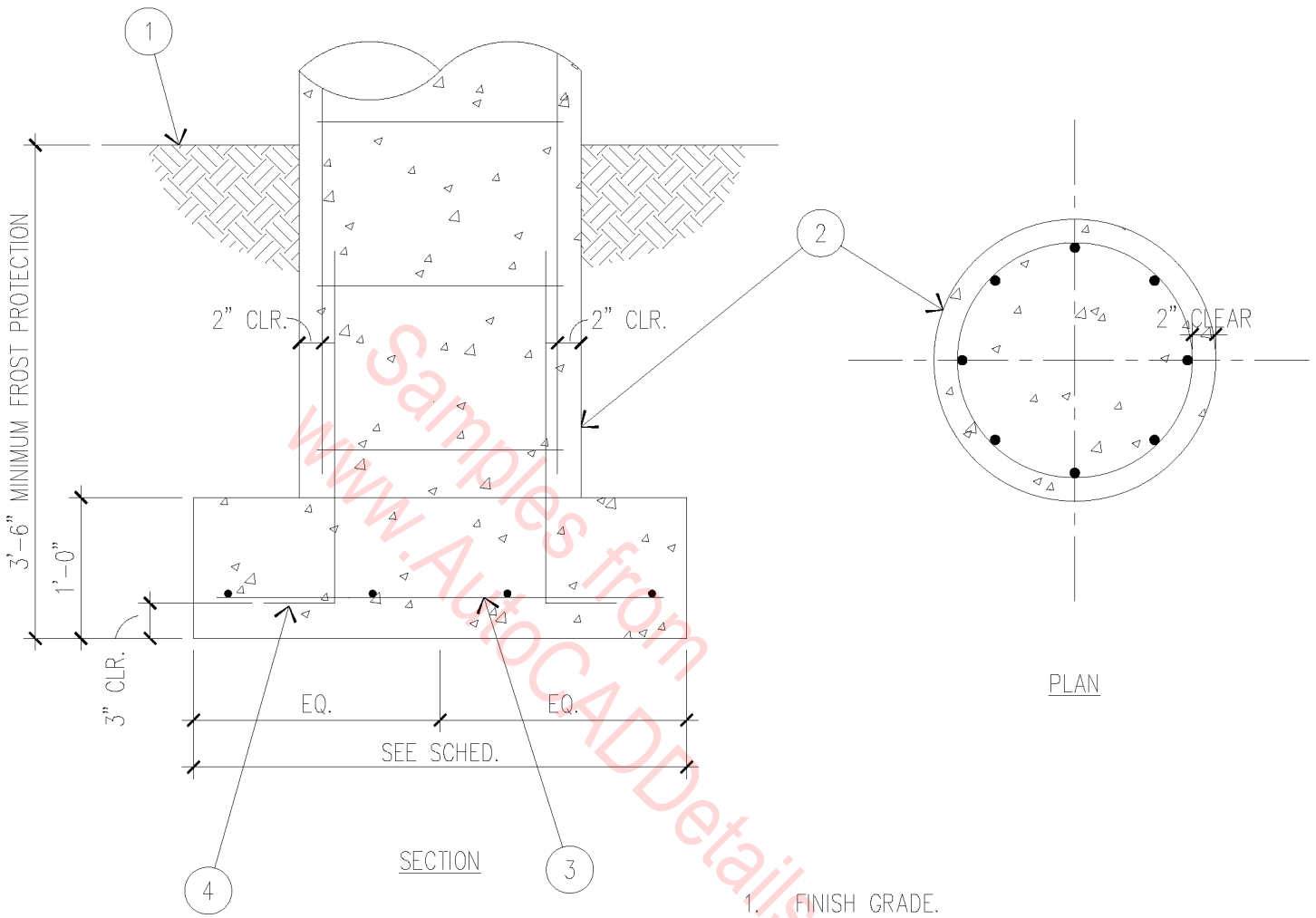
1. 4'-9" X 4'-9" X 15" THICK PAD WITH (4) #5 REBARS, EACH WAY.
2. WEAKENED PLANE OR CONSTRUCTION JOINT.
3. 24" BOX OUT, FILL WITH CONCRETE AFTER COLUMN IS SET.
4. TOOL JOINT.
5. (4) 3/4" Ø ANCHOR BOLTS WITH 4" HOOK AND MINIMUM 8" EMBED.
6. 6" X 6" X 3/16" TUBE STEEL COLUMN.
7. 12" X 12" X 3/4" COLUMN BASE PLATE.

BASEPLATE @ TUBE STEEL COLUMN



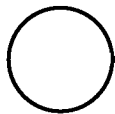
1/2" = 1'-0"

03B-5012



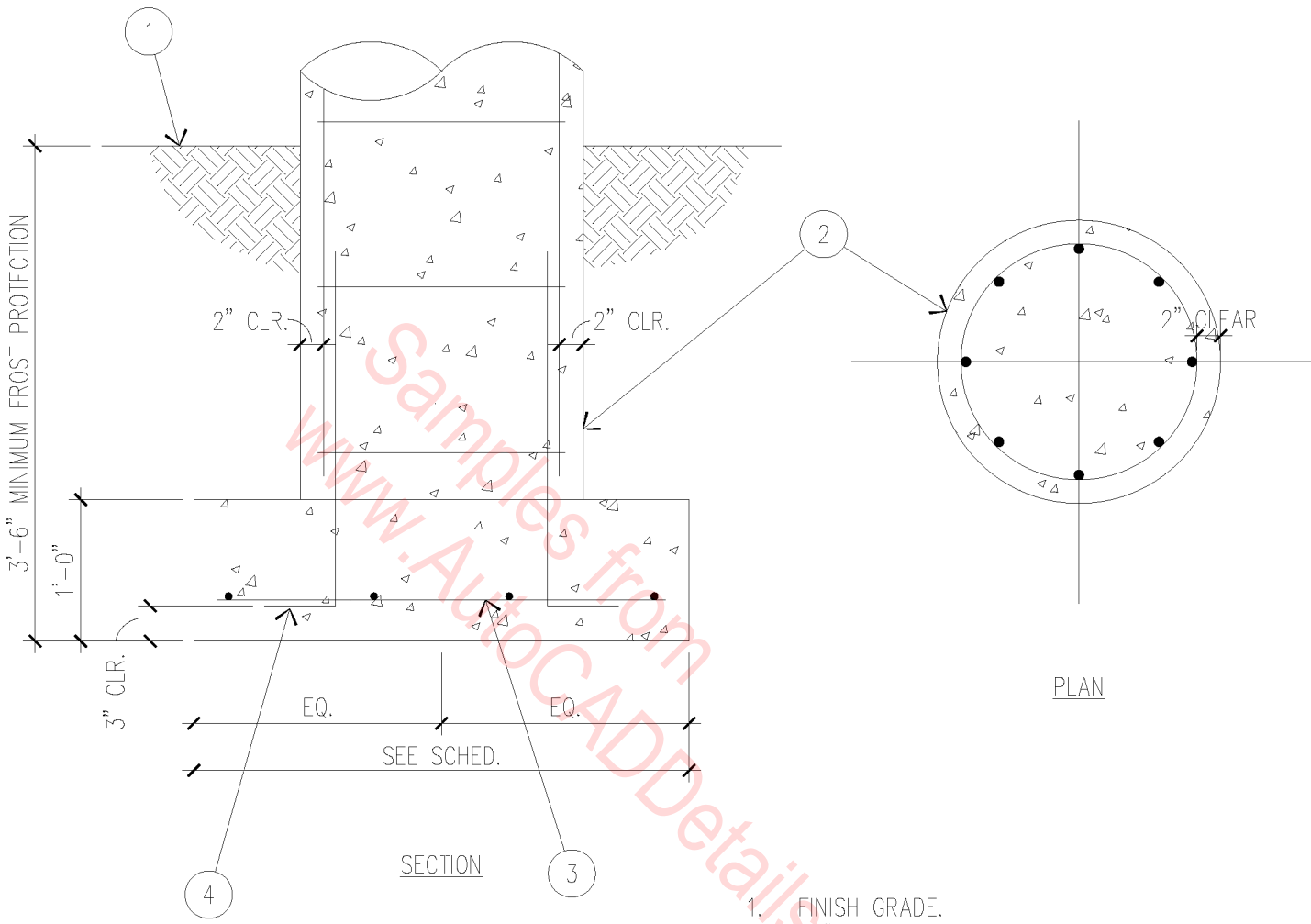
1. FINISH GRADE.
2. 24" Ø CAST IN PLACE COLUMN REINFORCED WITH (8) #7 VERTICALS AND #3 TIES AT 14" O.C.
3. REINFORCED PER SPREAD FOOTING SCHEDULE.
4. (4) 4" Ø⁶ DOWELS.

CAST IN PLACE COLUMN FOOTING



3/4" = 1'-0"

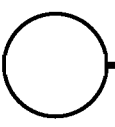
03B-5013



Samples from
 www.AutocADDetails.com

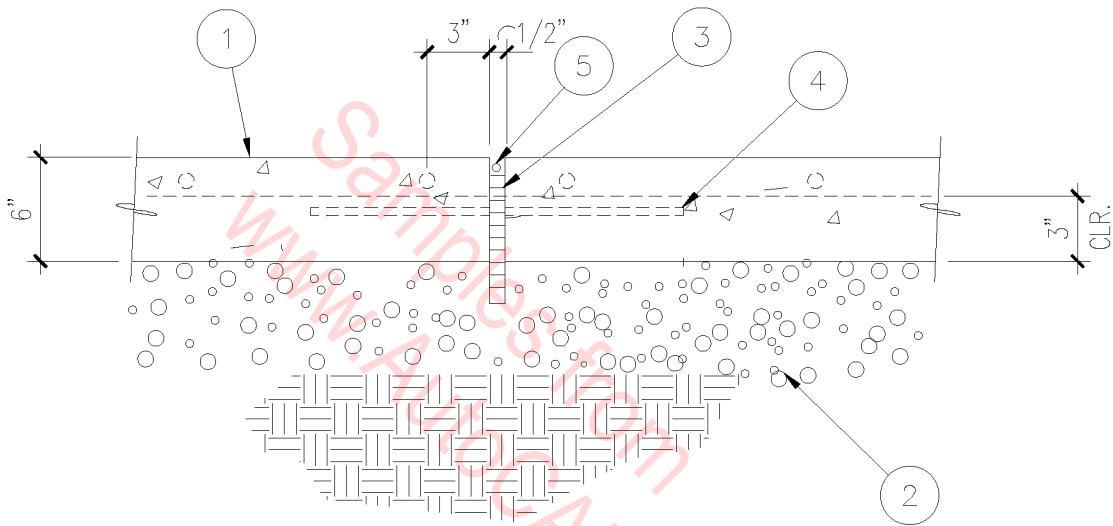
1. FINISH GRADE.
2. 24" Ø CAST IN PLACE COLUMN REINFORCED WITH (8) #7 VERTICALS AND #3 TIES AT 14" O.C.
3. REINFORCED PER SPREAD FOOTING SCHEDULE.
4. (4) 4" Ø $\left. \begin{array}{l} 2'-6" \\ 6" \end{array} \right\}$ DOWELS.

CAST IN PLACE COLUMN FOOTING

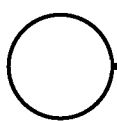


3/4" = 1'-0"

03B-5013



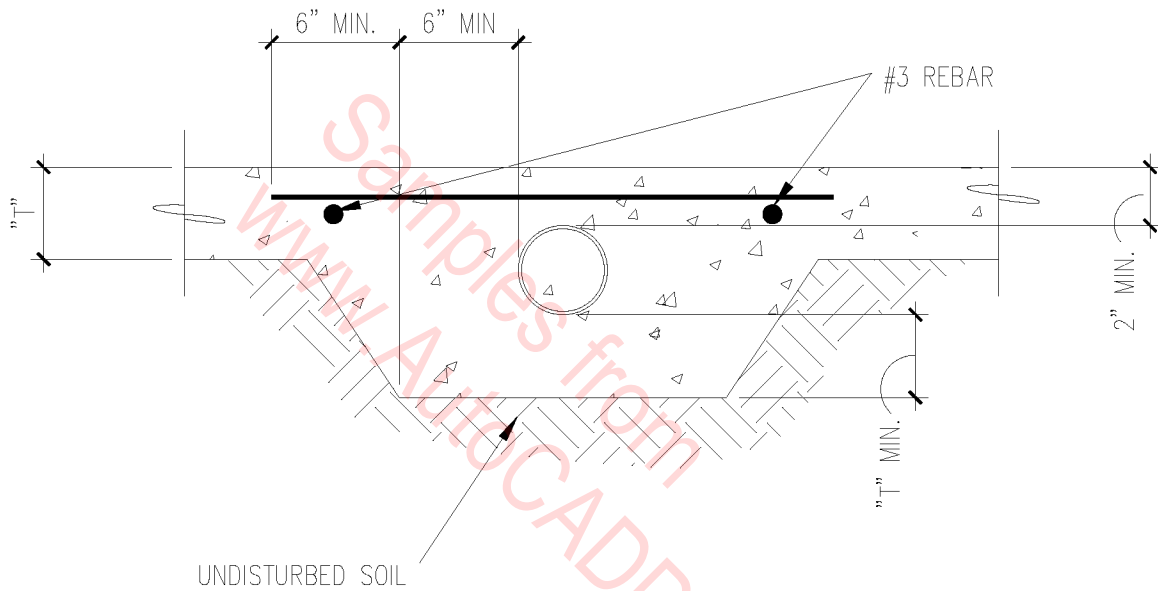
1. CONCRETE SLAB.
2. AGGREGATE BASE COURSE.
3. ASPHALTIC IMPREGNATED EXPANSION JOINT.
WITH BOND BREAKER, TAPE, BACKER ROD,
AND SEALANT.
4. #4 SMOOTH REBARS 2'-0" LONG @ 24" O.C.(GREASE ONE END
LIBERALLY).
5. BACKER ROD AND SEALANT.



COLD JOINT WITH REINF.

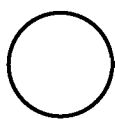
SCALE: 1" = 1'-0"

03B-1001



NOTE:

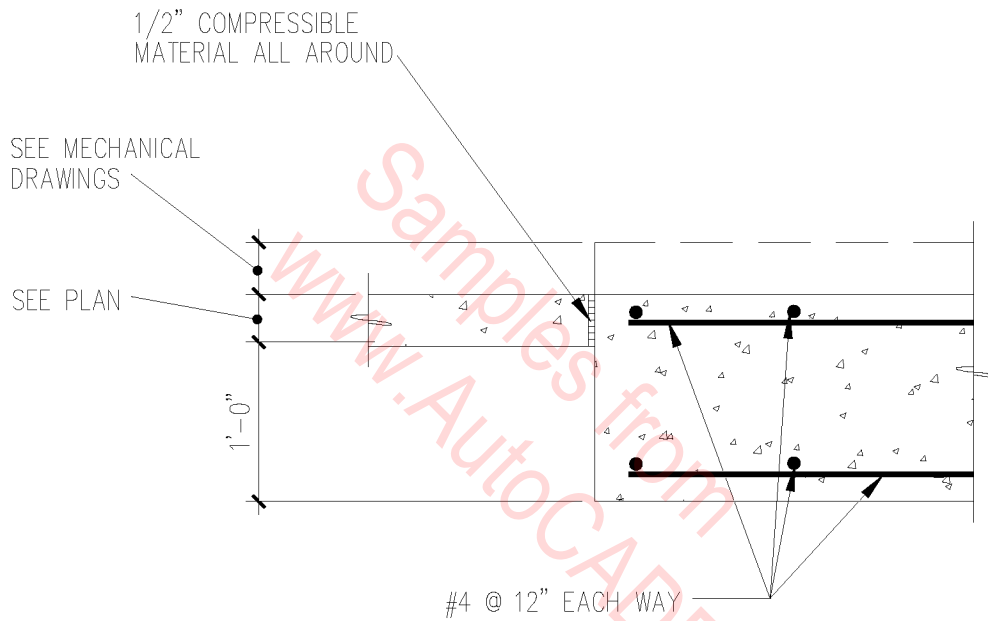
THIS DETAIL APPLIES ONLY IF SPECIFICALLY
 REQUIRED IN SLAB. DO NOT NORMALLY EMBED
 PIPES IN SLAB.



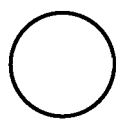
PIPE IN SLAB

N.T.S.

03B-1002



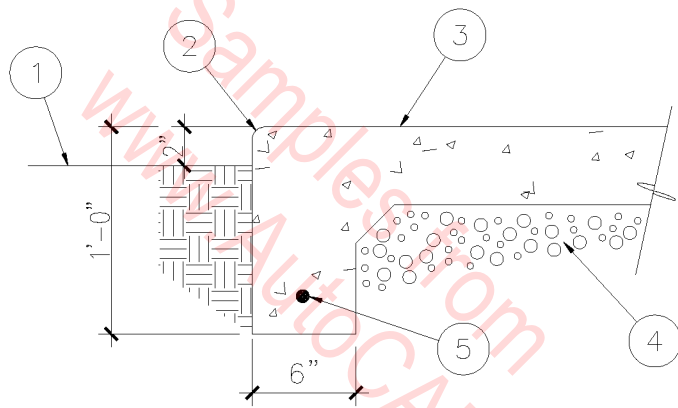
- NOTES:
1. EQUIPMENT FOOTING TO EXTEND 1'-0" MINIMUM BEYOND EDGE OF MECHANICAL EQUIPMENT ON ALL SIDES.
 2. SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR EQUIPMENT LOCATIONS.
 3. PROVIDE ANCHOR BOLTS FOR EQUIPMENT AS REQUIRED BY EQUIPMENT MANUFACTURER.



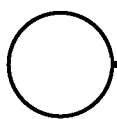
EQUIPMENT SUPPORT PAD

N.T.S.

03B-1003



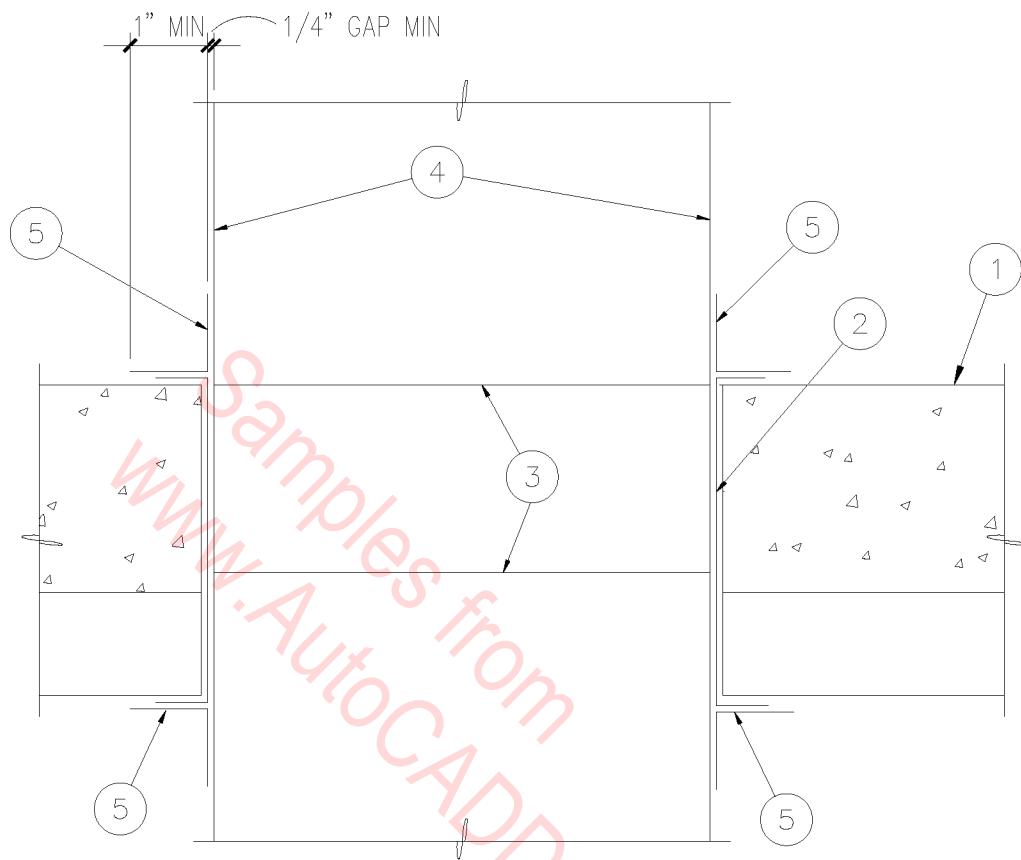
1. FINISH GRADE.
2. TOOLED EDGE.
3. 4" CONCRETE SLAB.
4. 4" A.B.C.
5. #4 REBAR CONTINUOUS.



CONCRETE TURNDOWN

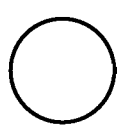
SCALE: 1" = 1'-0"

03B-1004



UL SAFETY STANDARD 555 AND NFPA 90A

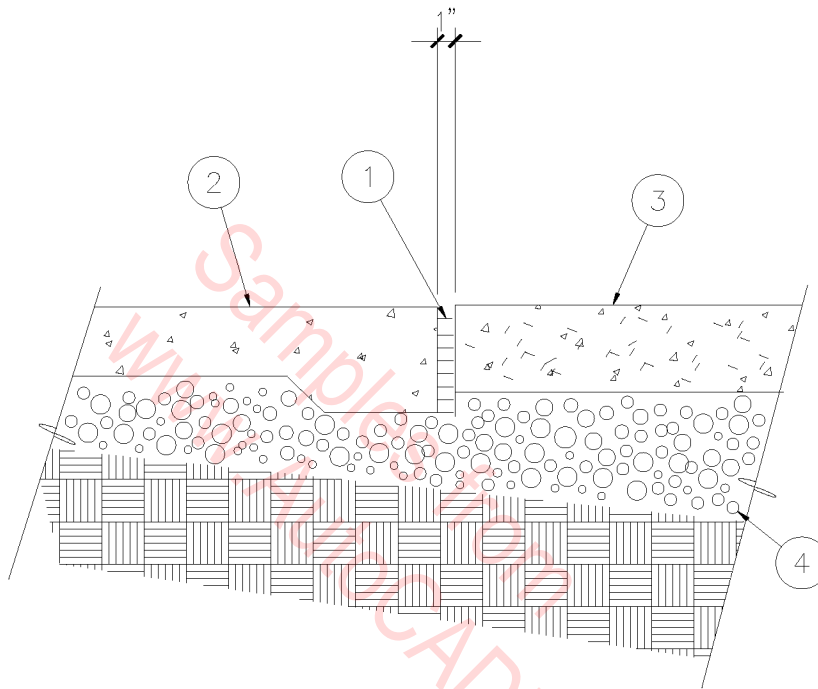
1. PRECAST CONCRETE DOUBLE TEE WITH 4" CONCRETE TOPPING, UL DESIGN NO. J941.
2. 20 GA. G.I. SLEEVE THRU FLOOR.
3. FIRE DAMPER, SEE MECHANICAL FOR TYPE AND LOCATION.
4. DAMPER SLEEVE SHALL NOT EXTEND MORE THAN 6" BEYOND THE FIRE WALL OR FLOOR AND NOT MORE THAN 9" ON THE OPERATOR/ACTUATOR SIDE.
5. ANGLE 1-1/2" X 1-1/2" X 14 GAGE.



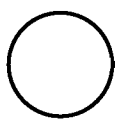
FLOOR PENETRATION

3" = 1'-0"

03B-1005



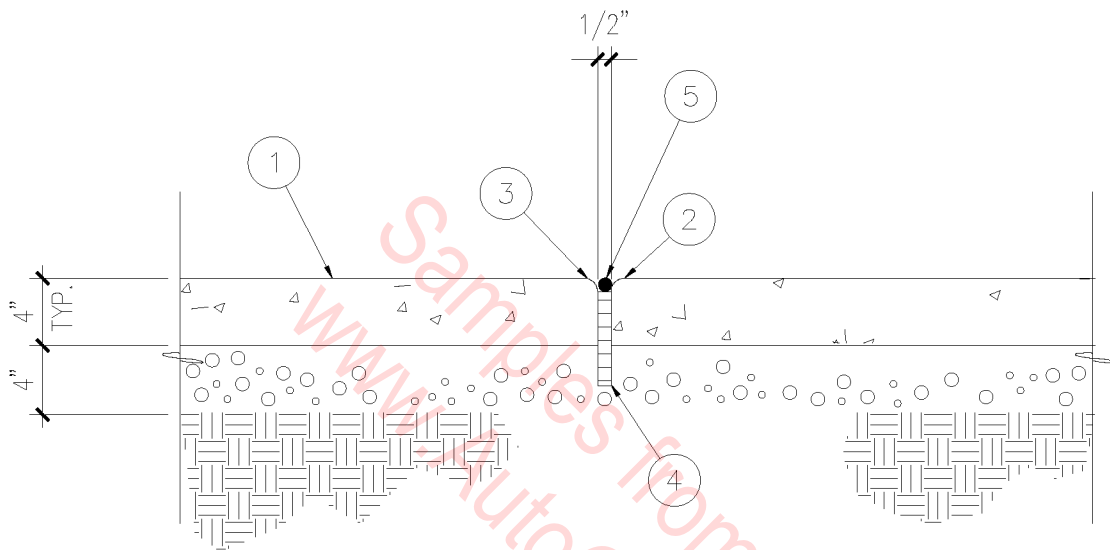
1. 1" EXPANSION JOINT.
2. CONCRETE SLAB.
3. CONCRETE SLAB WITH SYNTHETIC REINFORCING FIBERS.
4. A.B.C. FILL.



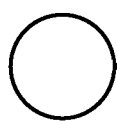
EXPANSION JOINT

SCALE: 1" = 1'-0"

03B-1006



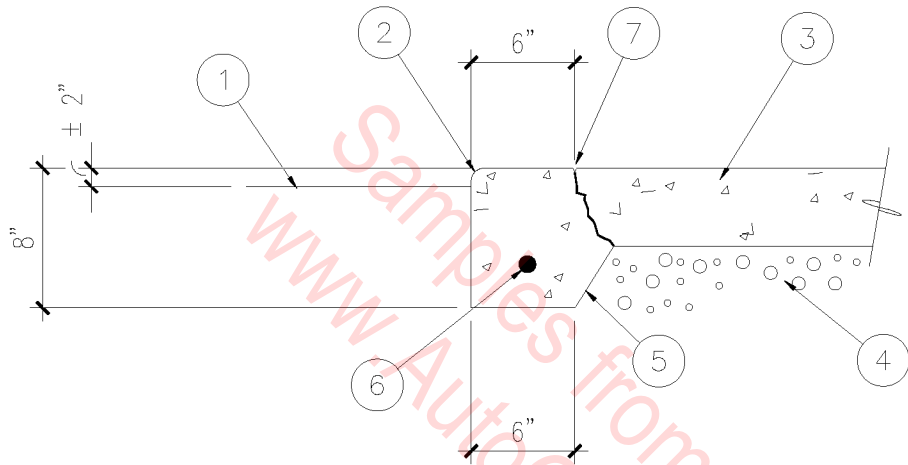
1. CONCRETE SLAB OVER AGGREGATE BASE COURSE.
2. TOOLED EDGE(S).
3. 3/4" RADIUS.
4. 1/2" X 6" ASPHALT IMPREGNATED FIBER EXPANSION JOINT.
5. CAULK LEVEL WITH SIDEWALK.



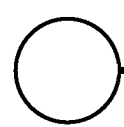
CONC. EXPANSION JOINT

SCALE: 1" = 1'-0"

03B-1007



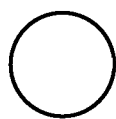
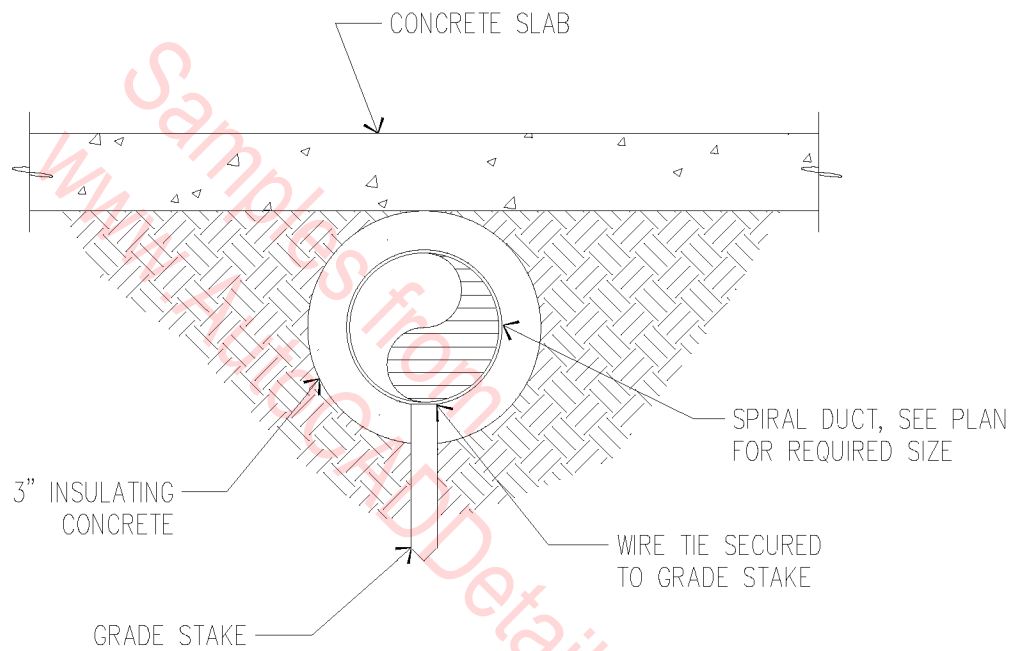
1. FINISH GRADE.
2. 3/4" RADIUS EDGE.
3. 4" CONCRETE SLAB.
4. 4" A.B.C.
5. CONCRETE TURNDOWN AT SLAB EDGE.
6. #4 REBAR CONTINUOUS.
7. TOOLED JOINT.



CONCRETE TURNDOWN

SCALE: 1" = 1'-0"

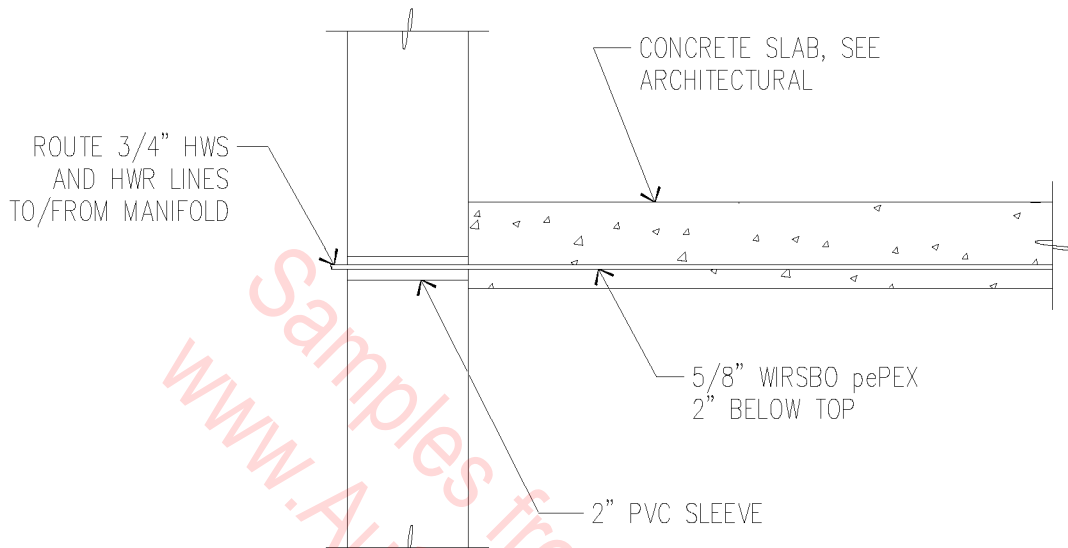
03B-1008



UNDER SLAB DUCT DETAIL

N.T.S.

03B-1009



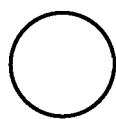
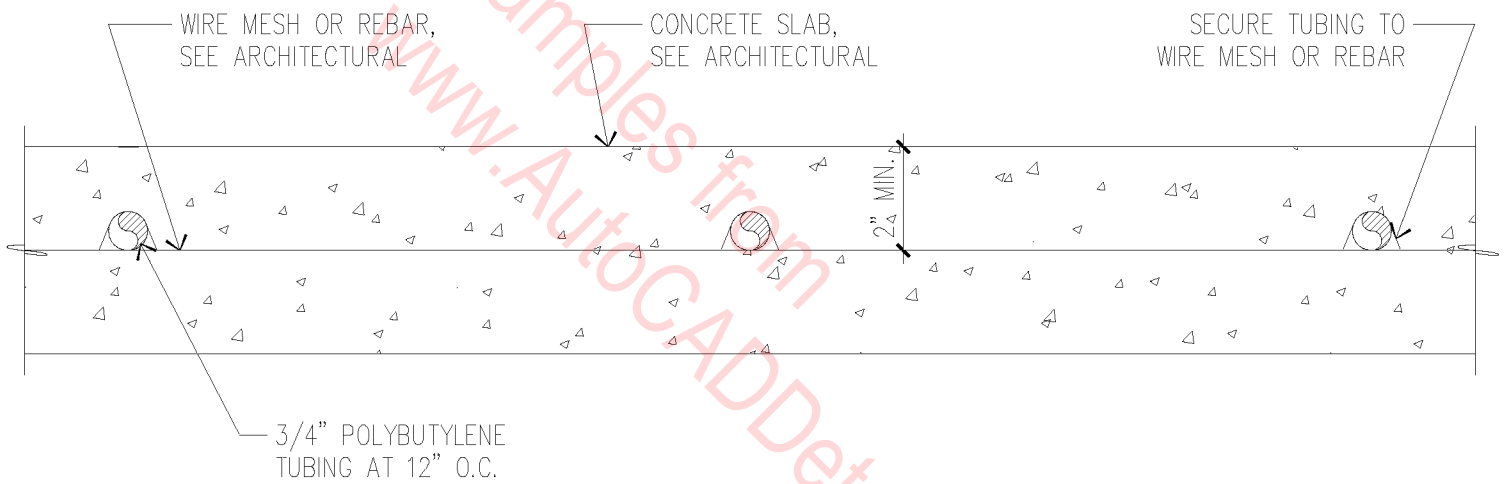
NOTES:

- A. ENTIRE SNOWMELT SYSTEM SHALL BE PRESSURIZED TO 75 PSI WITH AIR DURING POURING OF CONCRETE. NO PIPING JOINTS ARE PERMITTED IN THE SLAB. LINES SHALL REMAIN PRESSURIZED UNTIL SYSTEM IS CONNECTED TO BOILER AND FINAL FILL ACCOMPLISHED.
- B. ALL PIPING IN SNOWMELT SYSTEM SHOWN ON PLANS IS WIRSBO pePEX CROSSLINKED POLYETHYLENE TUBING. TUBING TO BE NOMINAL 5/8" INSIDE DIAMETER AND RATED FOR 180° SERVICE AT 100 PSI.
- C. TIE PIPING DOWN TO SLAB REINFORCEMENT WITH PLASTIC COATED TIE WIRE. TIE SPACING SHALL NOT EXCEED 12" ON CENTER. TOP OF PIPE SHALL BE NOT LESS THAN 2" BELOW TOP OF SLAB. ALL PIPING IN SLAB IS AT 12" ON CENTER.

SNOWMELT PIPING CONNECTION

N.T.S.

03B-1010



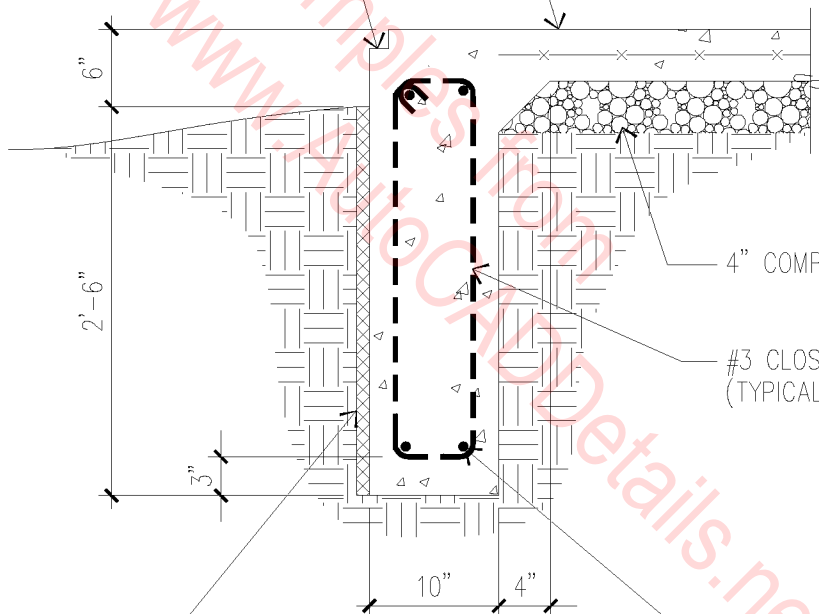
RADIANT SLAB PIPING

3" = 1'-0"

03B-1011

1-1/2" X 1-1/2" CONTINUOUS SHEETING LEDGE

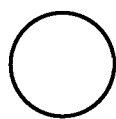
4" CONCRETE SLAB W/ 6X6 - W.1.4/W.1.4 WELDED WIRE FABRIC



#3 CLOSED STIRRUPS @ 4'-0" O.C. (TYPICAL FOR ALIGNMENT)

RIGID INSULATION (R-5 MINIMUM)

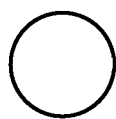
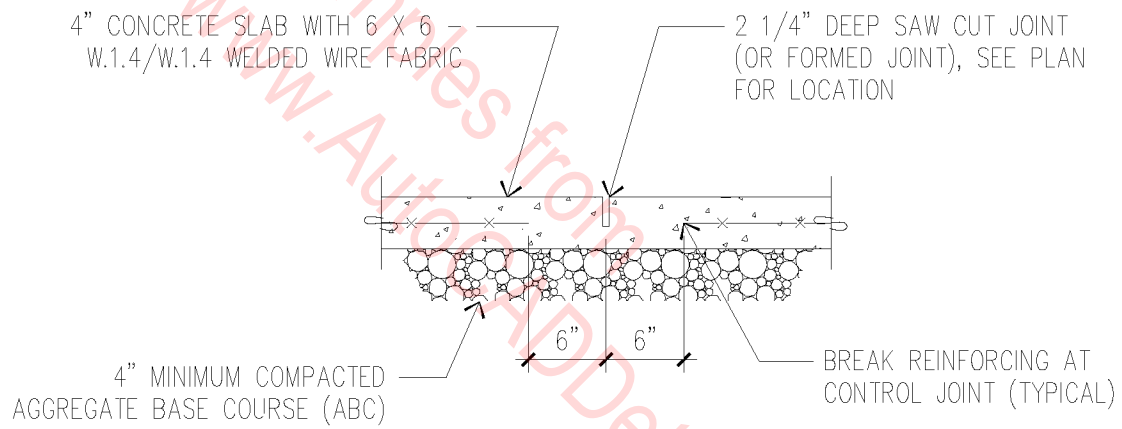
(2) #5 BARS CONTINUOUS TOP AND BOTTOM



MONOLITHIC FOOTING

3/4" = 1'-0"

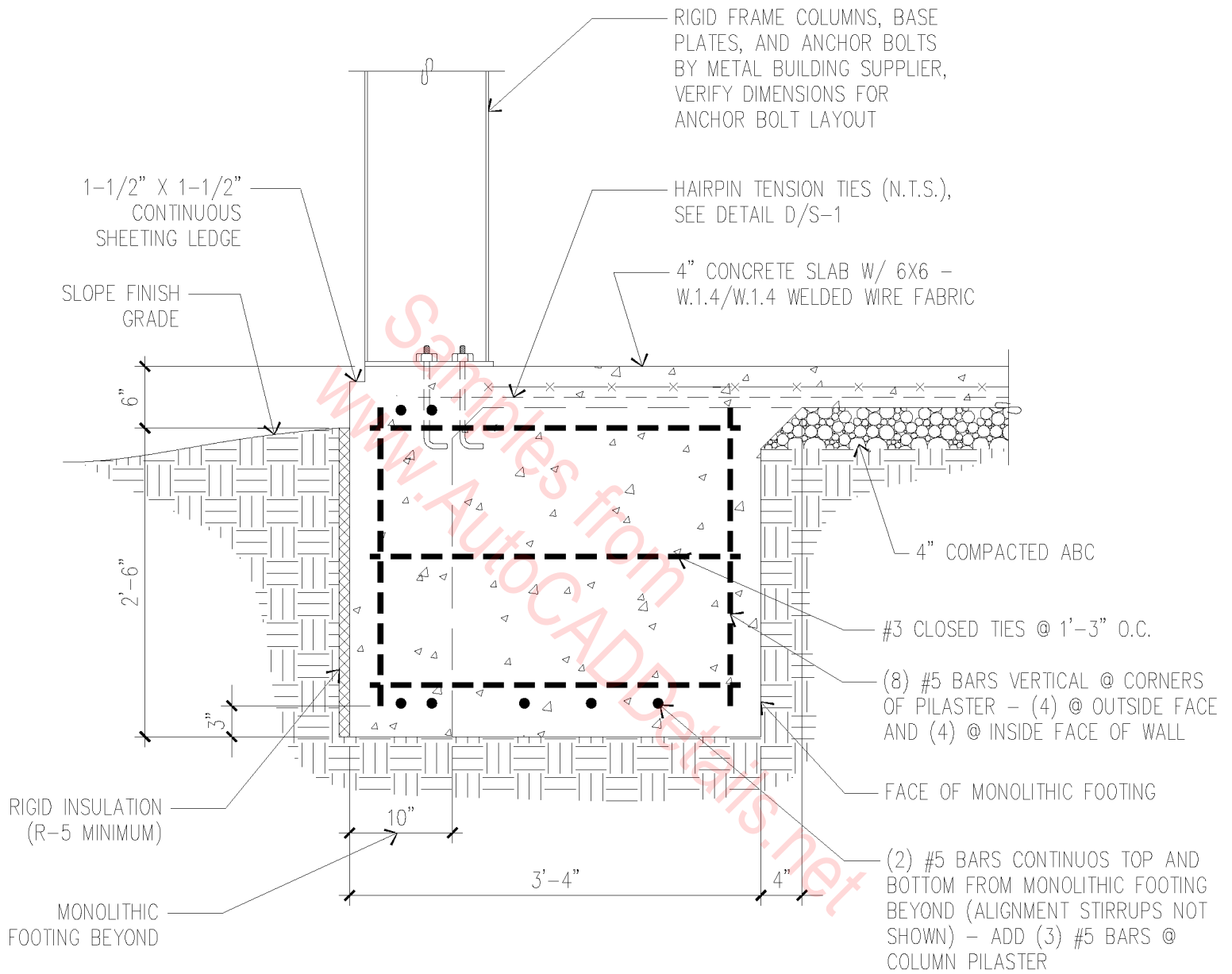
03B-1012



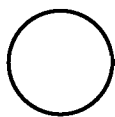
CONTROL JOINT IN SLAB

3/4" = 1'-0"

03B-1013

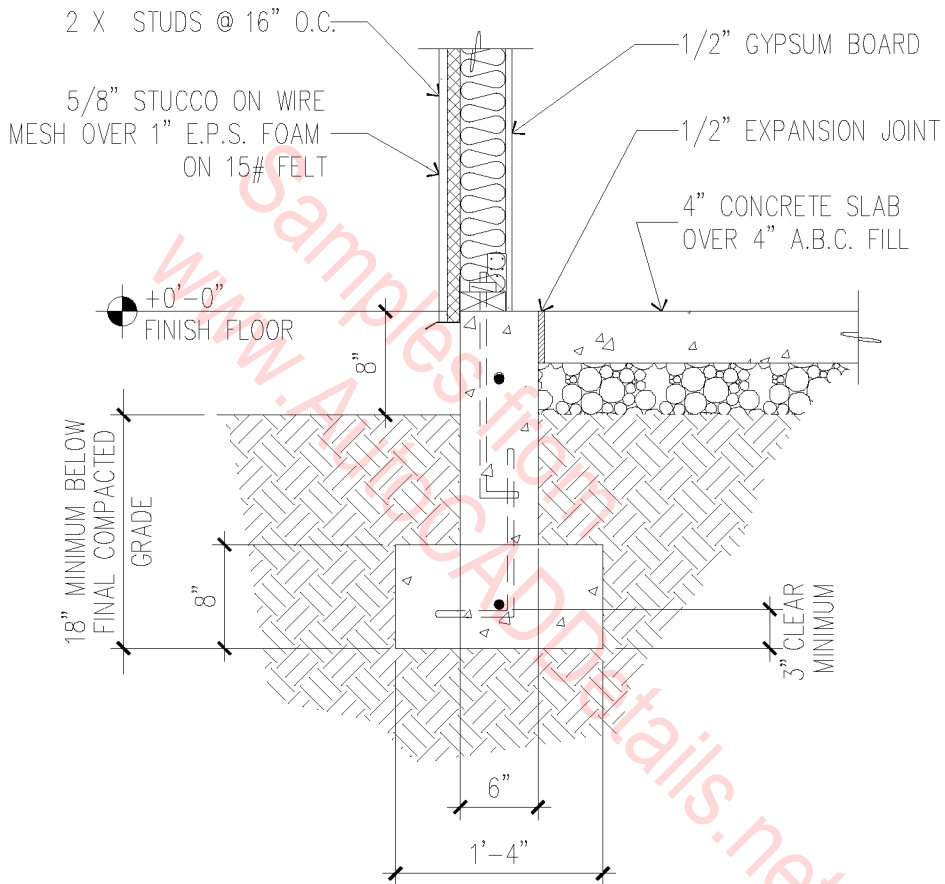


MONOLITHIC FOOTING @ RIGID FRAME COLUMN

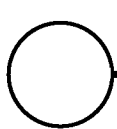


3/4" = 1'-0"

03B-1014



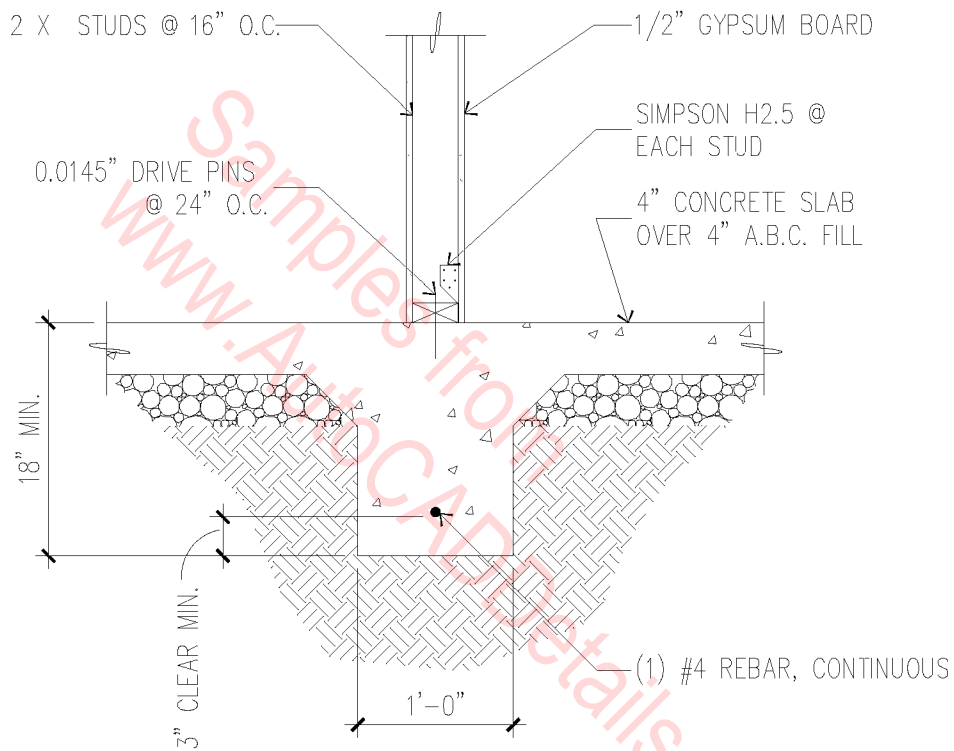
NOTE: SEE FLOOR PLAN FOR SHEAR WALL LOCATIONS AND NAILING



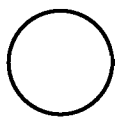
TYPICAL WALL FOOTING

3/4" = 1'-0"

03B-1015

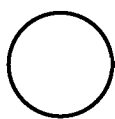
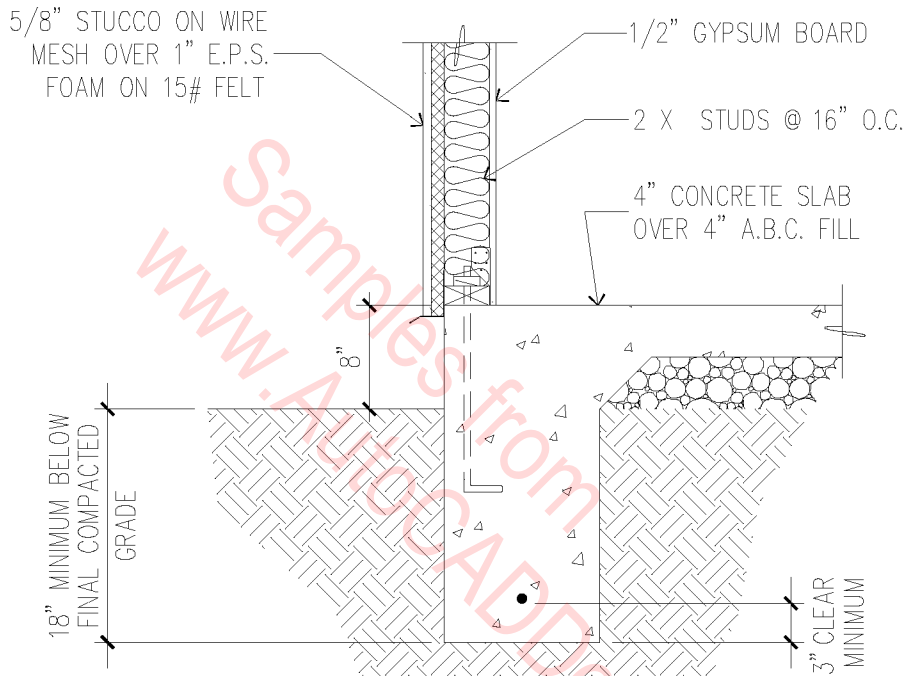


INTERIOR BEARING WALL FOOTING



3/4" = 1'-0"

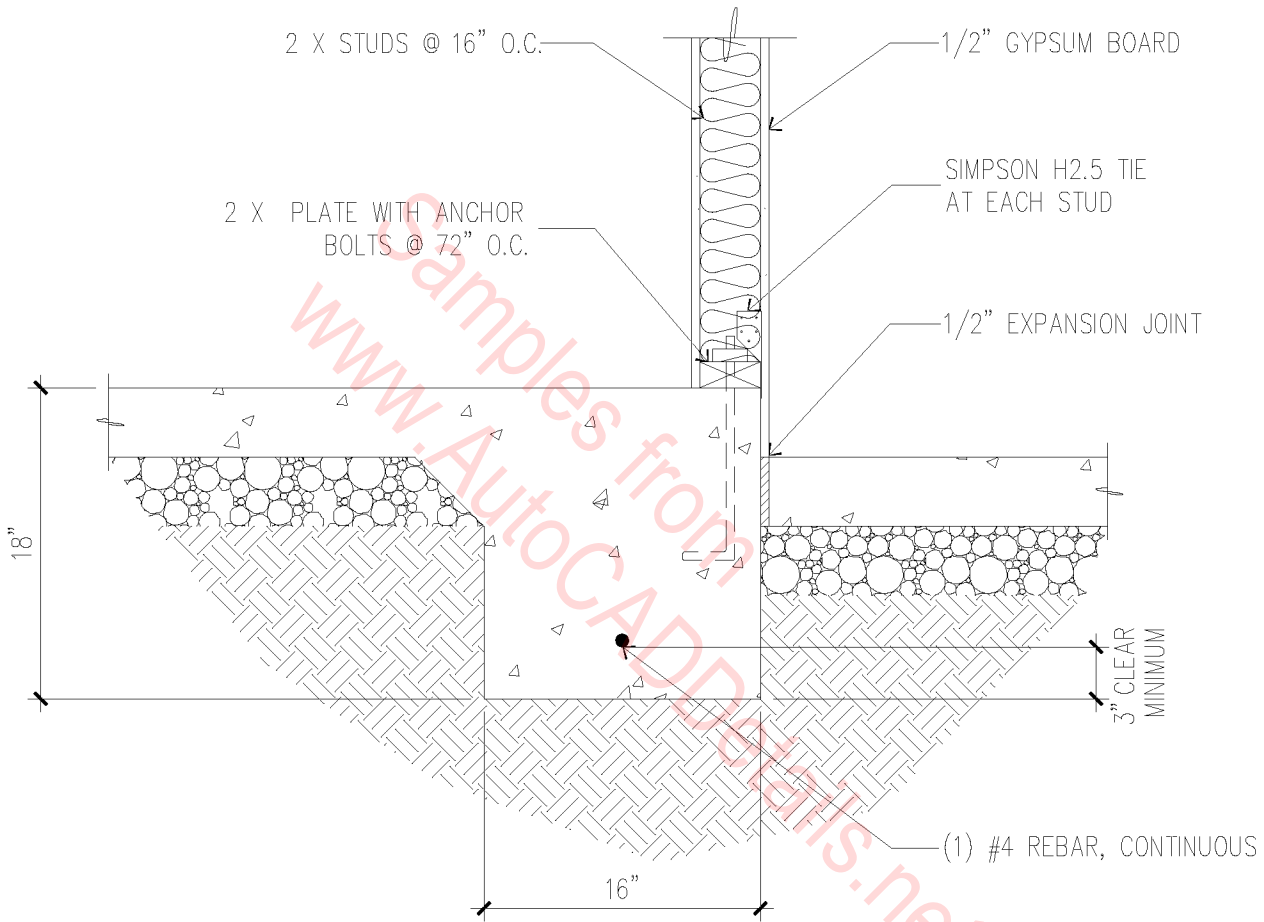
03B-1016



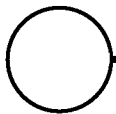
MONOLITHIC FOOTING

3/4" = 1'-0"

03B-1017

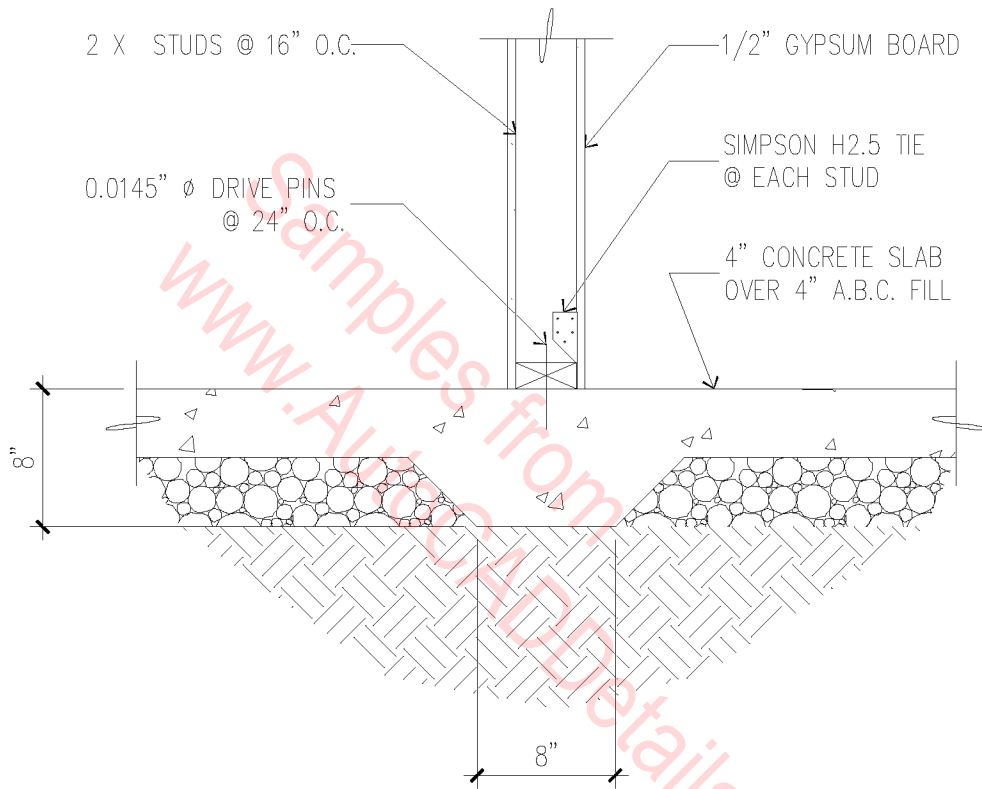


INTERIOR WALL
@ GARAGE STEPDOWN

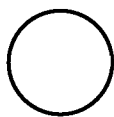


1" = 1'-0"

03B-1018

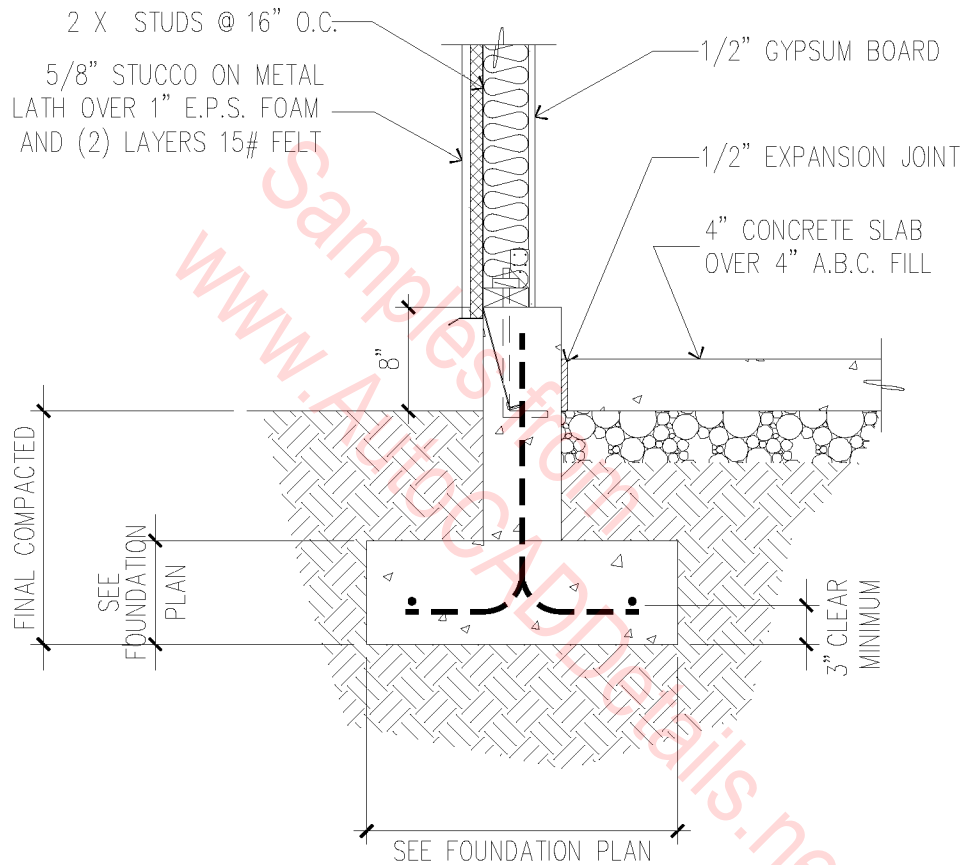


INTERIOR THICKENED SLAB

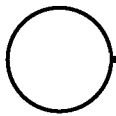


1" = 1'-0"

03B-1019

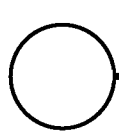
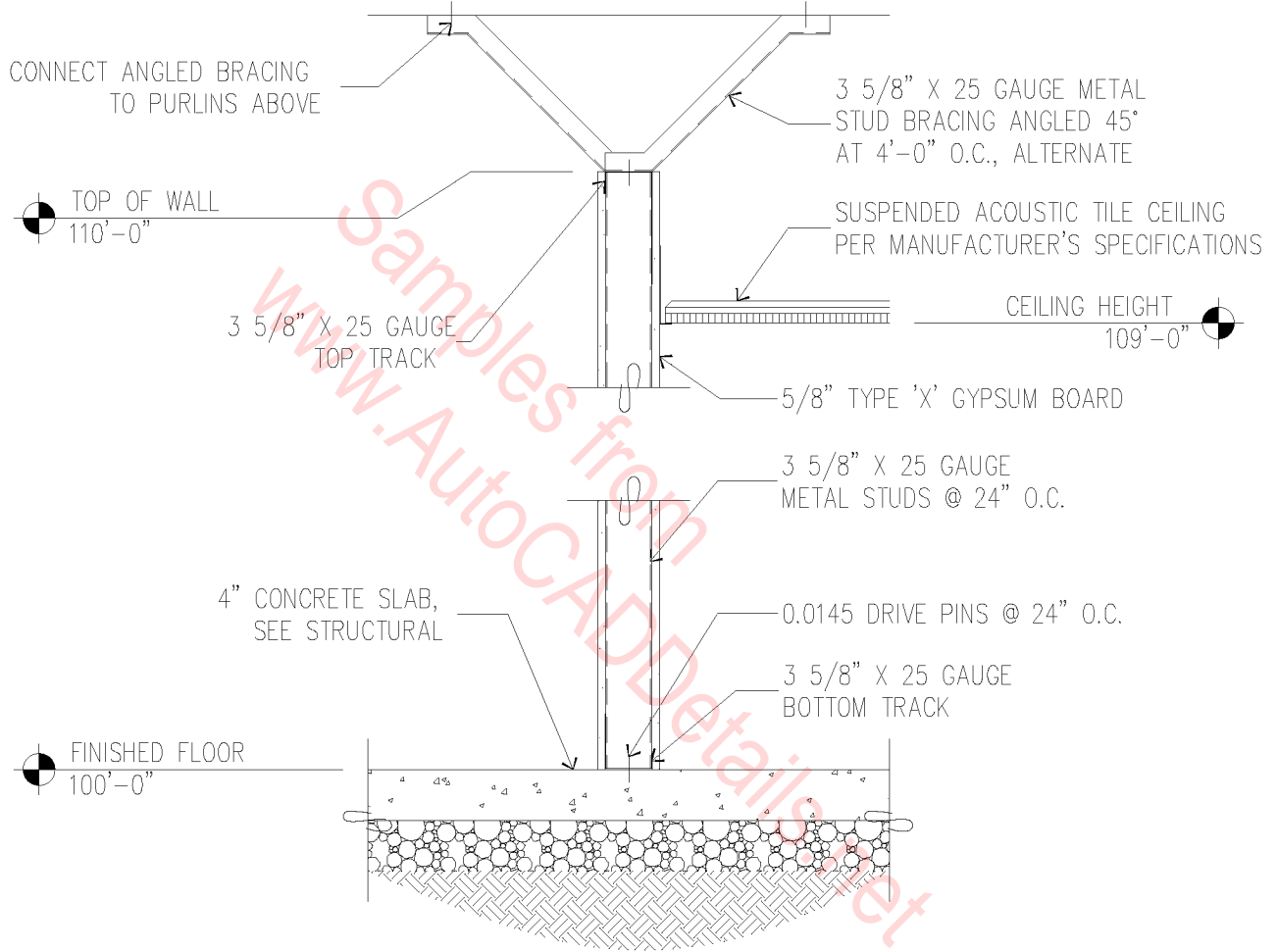


FOOTING @ BEARING WALL



3/4" = 1'-0"

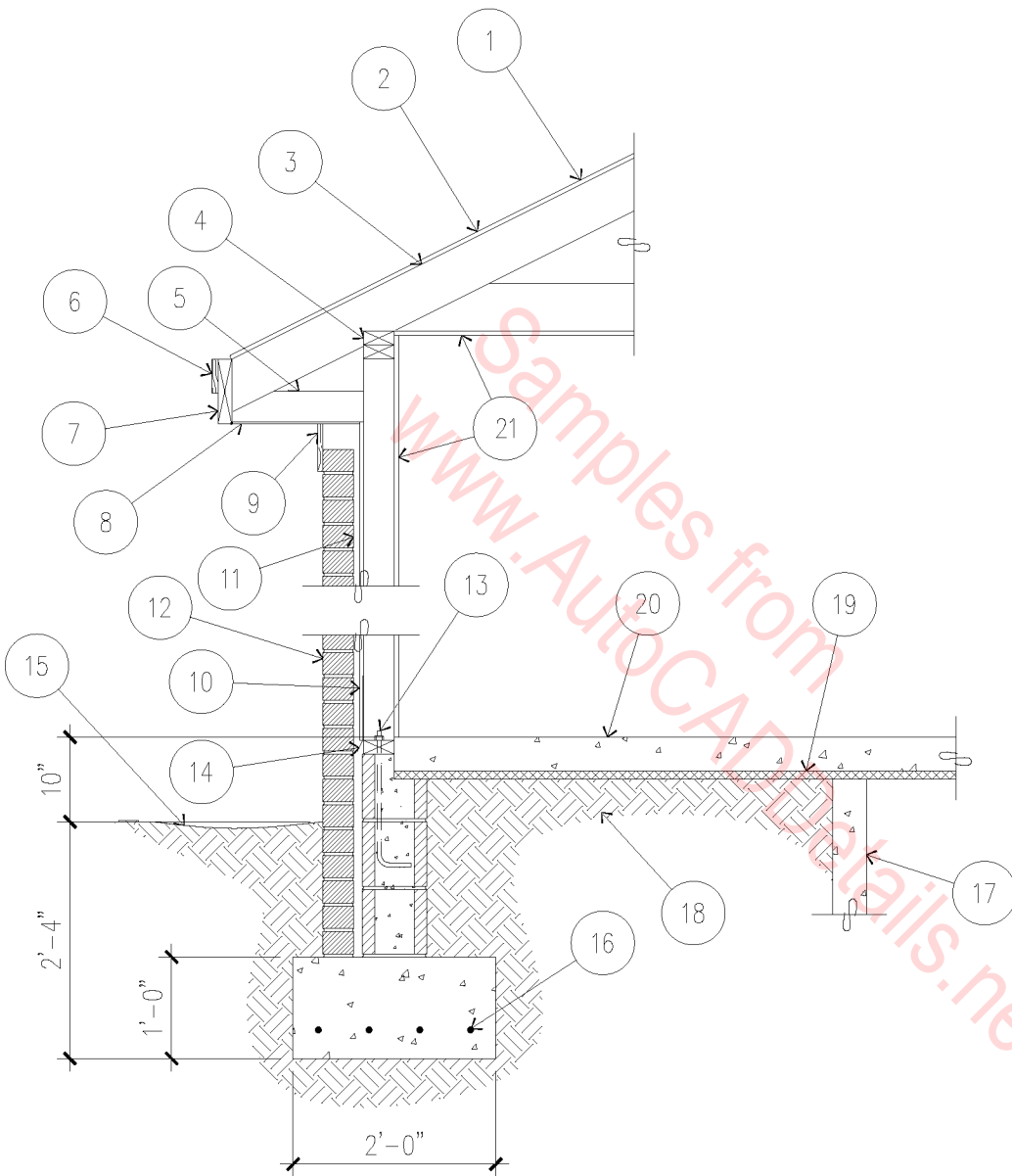
03B-1020



INTERIOR WALL SECTION

3/4" = 1'-0"

03B-1021

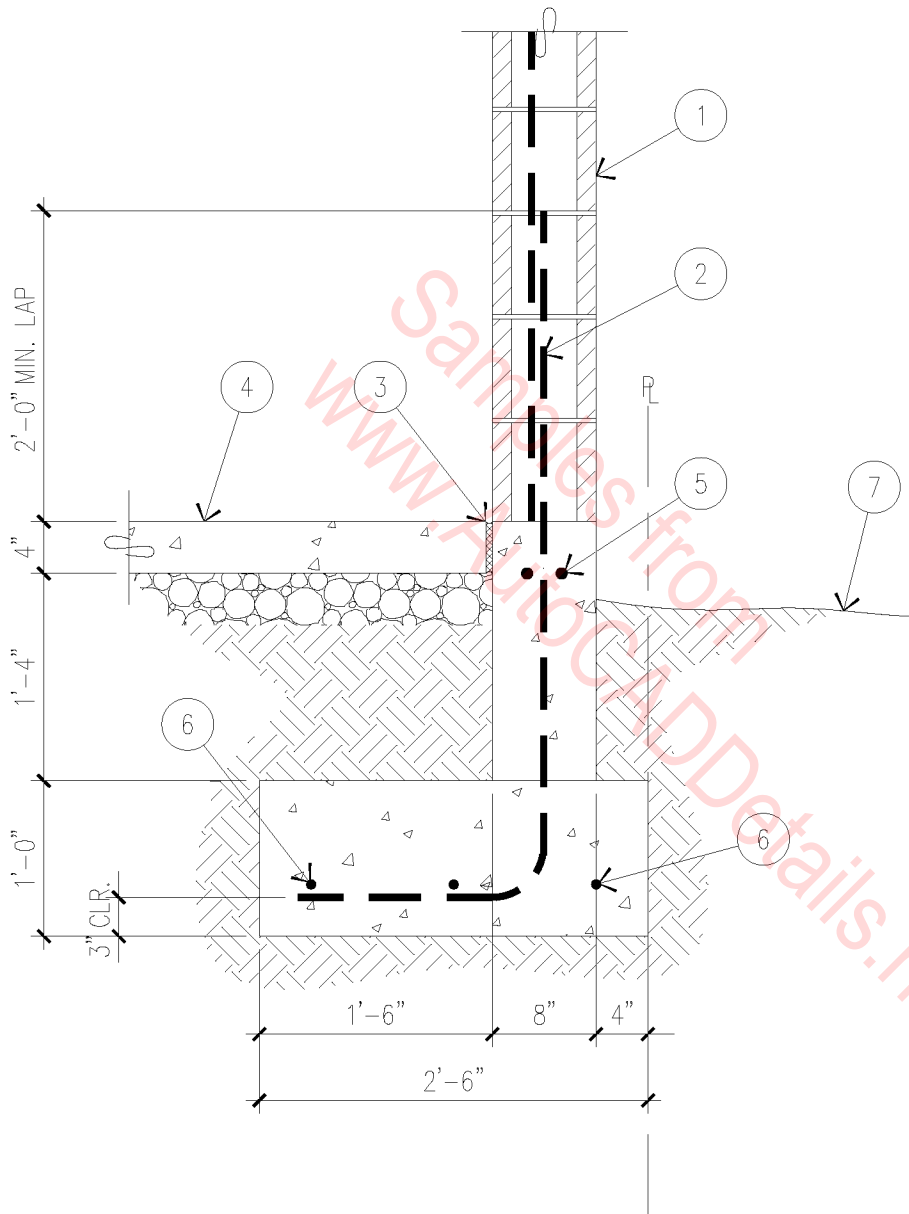


1. 15# FELT UNDERLAYMENT UNDER COMPOSITION SHINGLES.
2. ROOF DECKING.
3. 2 X RAFTERS.
4. DOUBLE TOP PLATE.
5. 2 X 4 RETURN.
6. 3/4" FASCIA.
7. 2 X FASCIA.
8. 1/4" PLYWOOD SOFFIT.
9. 1 X FREIZE BOARD.
10. INSULATION BOARD.
11. AIR SPACE.
12. BRICK WITH BRICK TIES PER MANUFACTURER'S SPECIFICATIONS.
13. 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.

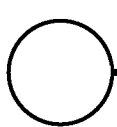
EXTERIOR WALL SECTION

1/2" = 1'-0"

03B-1022



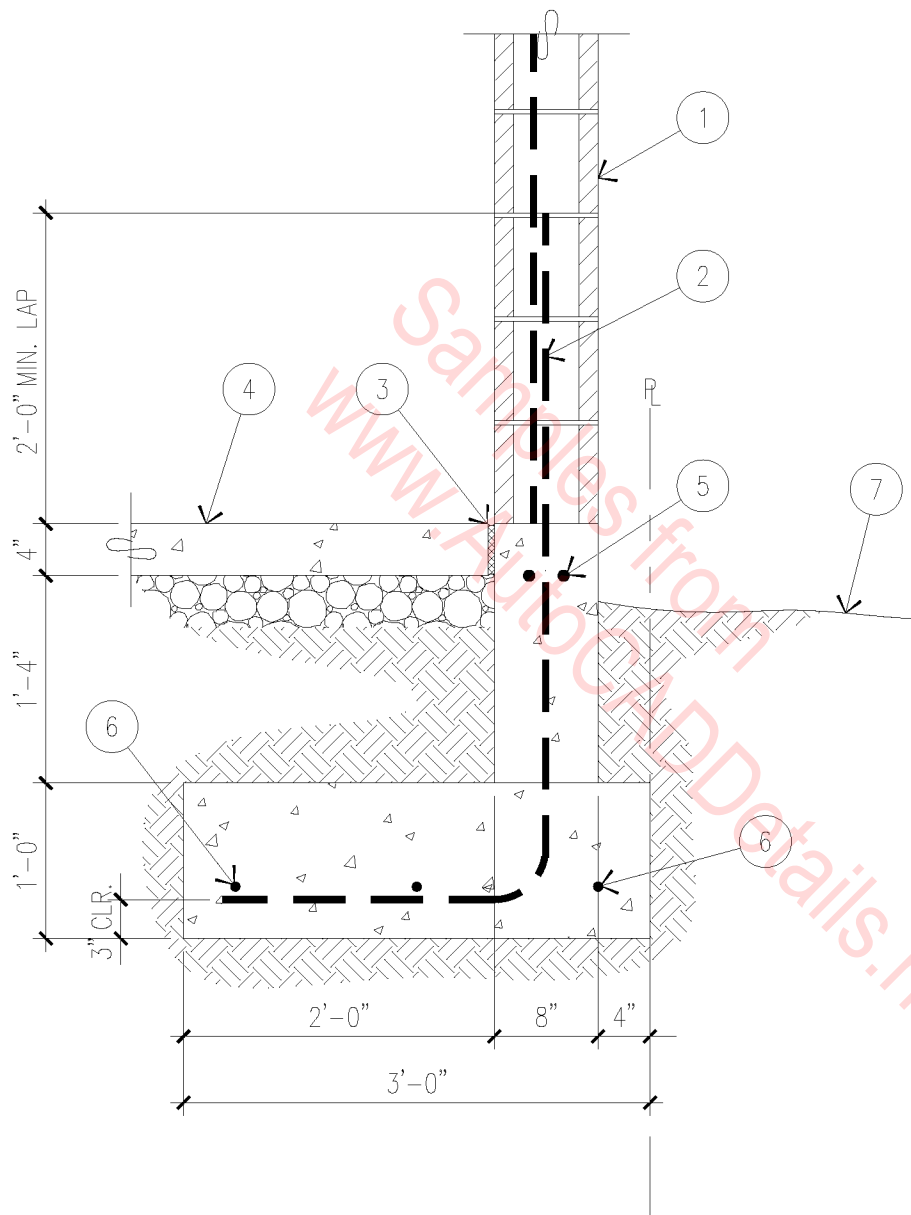
1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (3) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.



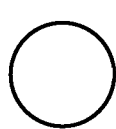
FOOTING

3/4" = 1'-0"

03B-1023



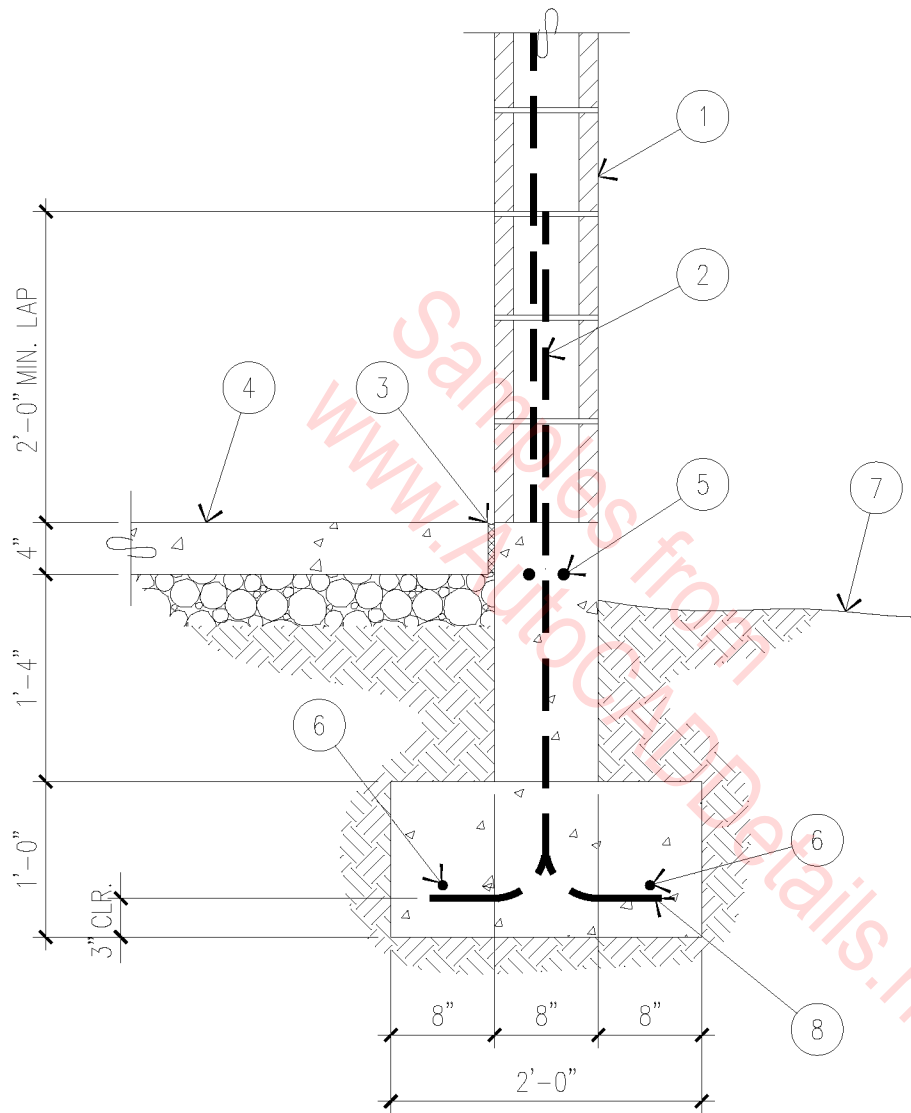
1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (3) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.



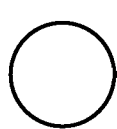
FOOTING

3/4" = 1'-0"

03B-1024



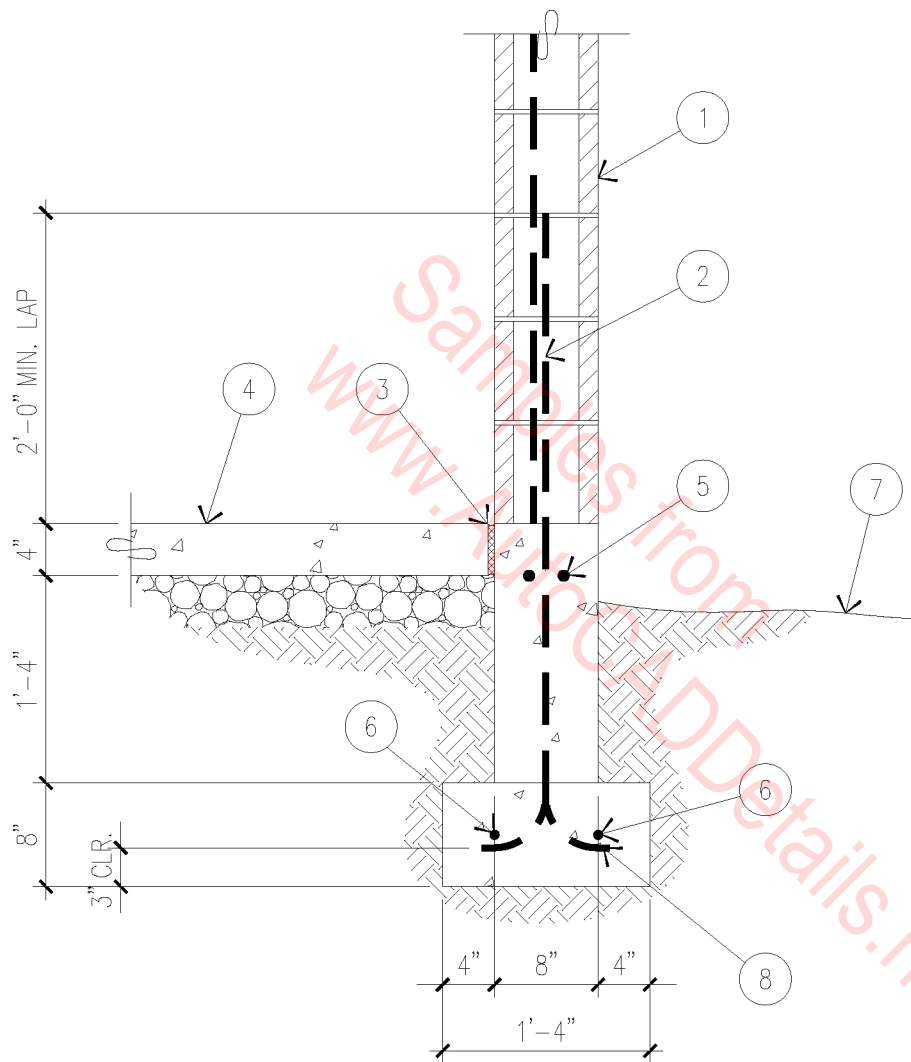
1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (2) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.
8. ALTERNATE BENDS.



FOOTING

3/4" = 1'-0"

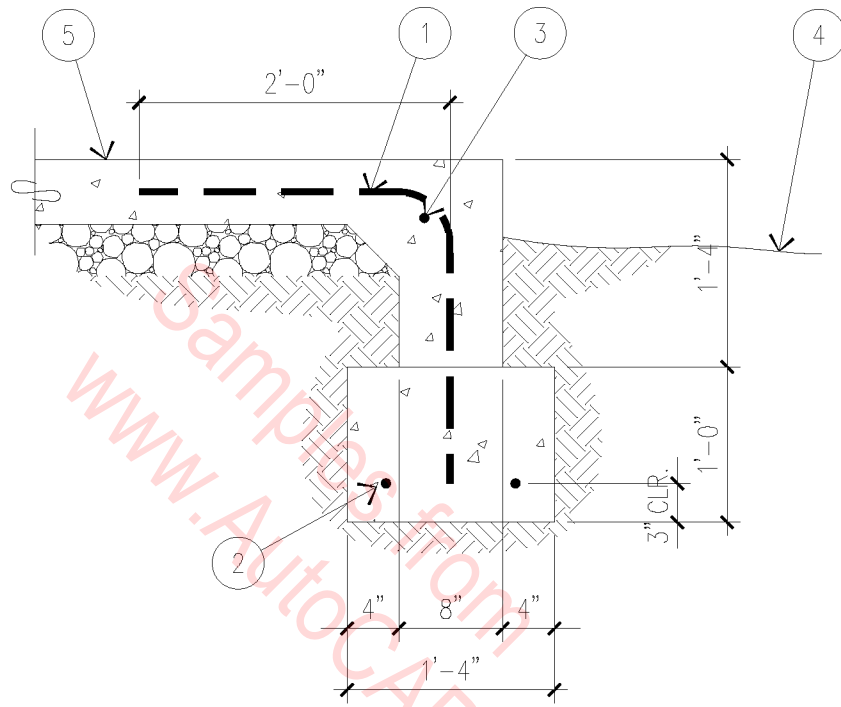
03B-1025



1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (2) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.
8. ALTERNATE BENDS.

FOOTING
 $\frac{3}{4}'' = 1'-0''$

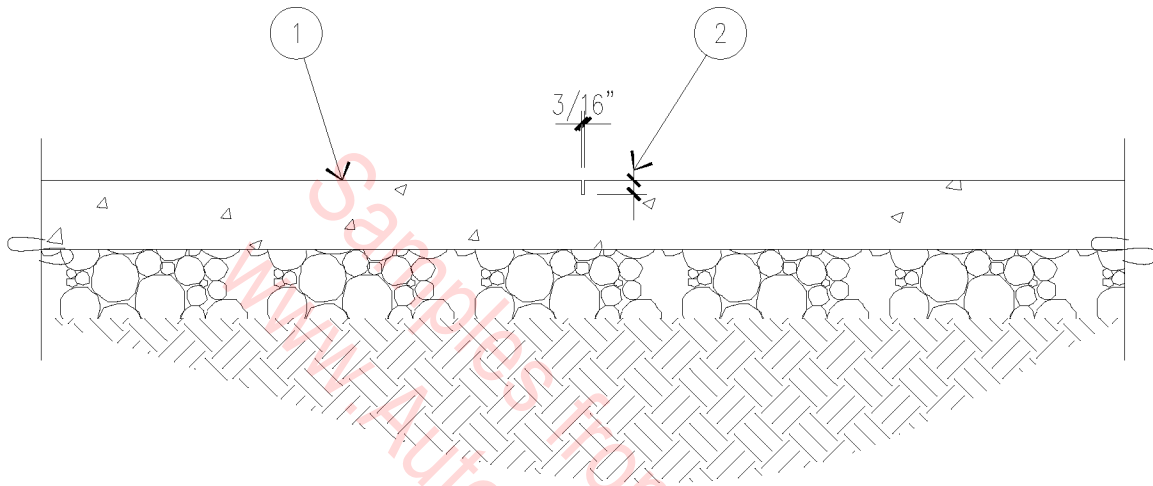
03B-1026



1. #4 REBAR @ 18" O.C.
2. (2) #4 REBARS, CONTINUOUS.
3. #4 REBAR, CONTINUOUS.
4. FINISHED GRADE.
5. 5" CONCRETE SLAB OVER 4" ABC.

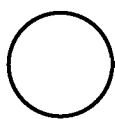
○ FOOTING
3/4" = 1'-0"

03B-1027



1. 4" CONCRETE SLAB OVER
4" ABC.
2. SAWCUT TO WITHIN 1/5 SLAB
THICKNESS.

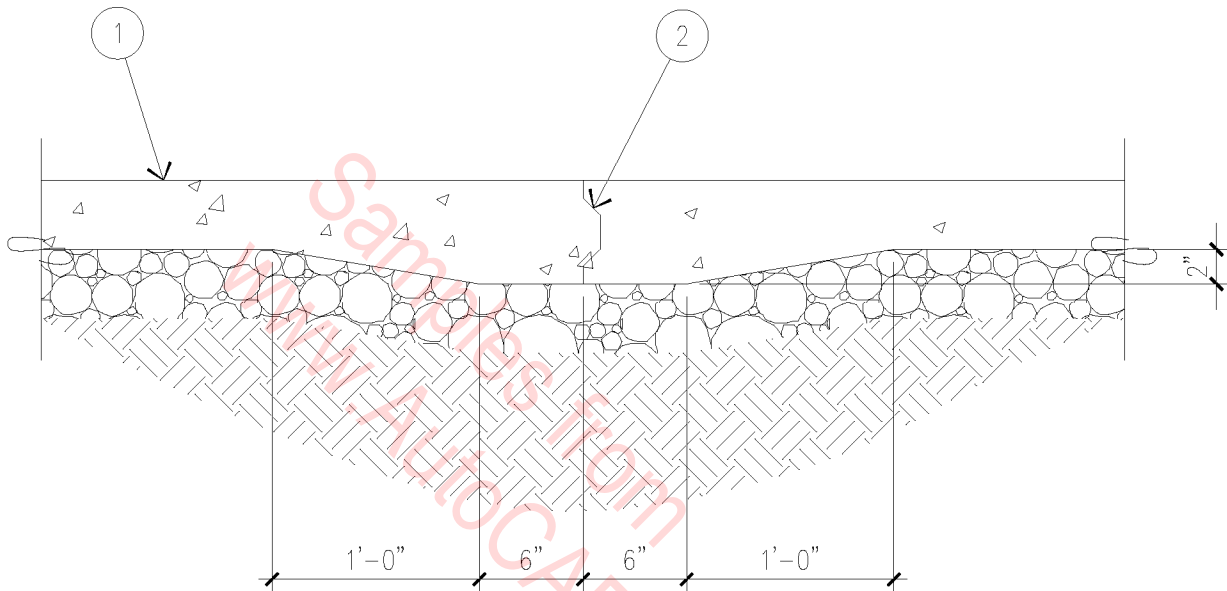
NOTE: SAW CUT CONCRETE SLAB AS SOON AS THE SURFACE IS FIRM ENOUGH SO THAT IT WILL NOT BE TORN OR DAMAGED BY THE BLADE AND IN A TIMELY MANNER TO PREVENT CRACKING OF THE SLAB.



WEAKENED PLANE JOINT

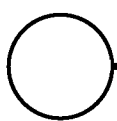
1" = 1'-0"

03B-1028



1. 4" CONCRETE SLAB OVER
4" ABC.
2. KEY FORMED JOINT.

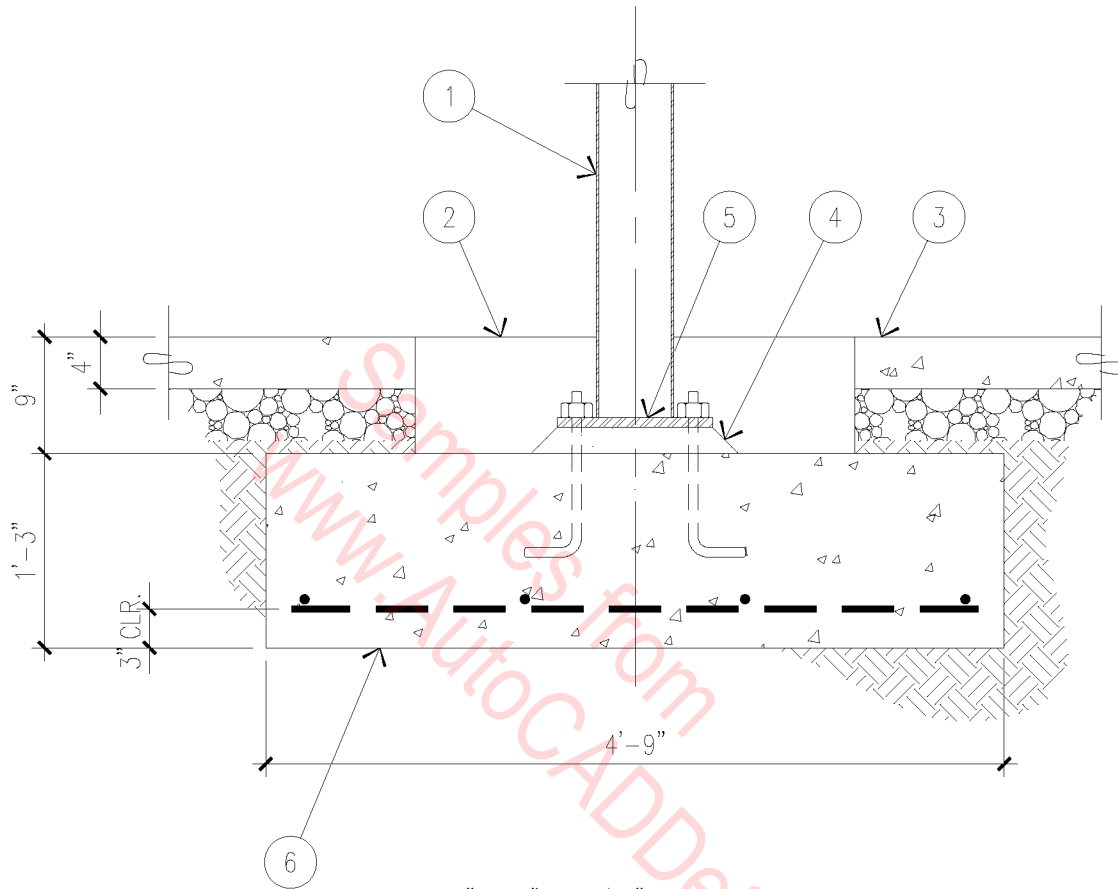
NOTE: USE CONTROL JOINT BETWEEN
TWO (2) SEPARATE POURS.



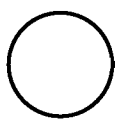
CONSTRUCTION JOINT

1" = 1'-0"

03B-1029



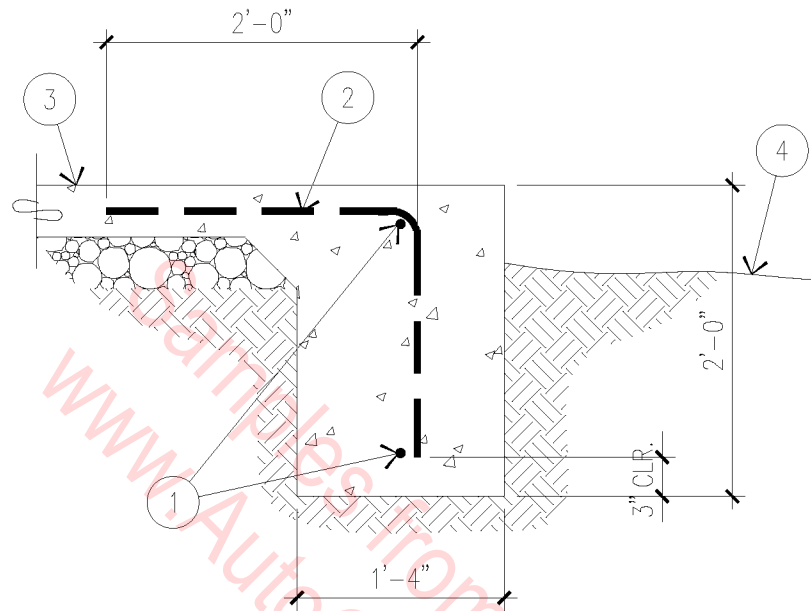
1. 6" X 6" X 3/16" TUBE STEEL COLUMN.
2. 24" BOX OUT, FILL WITH CONCRETE AFTER COLUMN IS SET.
3. 4" CONCRETE OVER 4" ABC.
4. 2" GROUT PAD.
5. 12" X 12" X 3/4" STEEL COLUMN PLATE WITH (4) 3/4" ϕ ANCHOR BOLTS WITH 4" HOOK AND 8" MINIMUM EMBED.
6. 4'-9" X 4'-9" X 1'-3" FOOTING WITH (4) #5 REBARS EACH WAY.



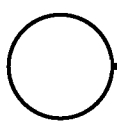
STEEL COLUMN FOOTING

3/4" = 1'-0"

03B-1030



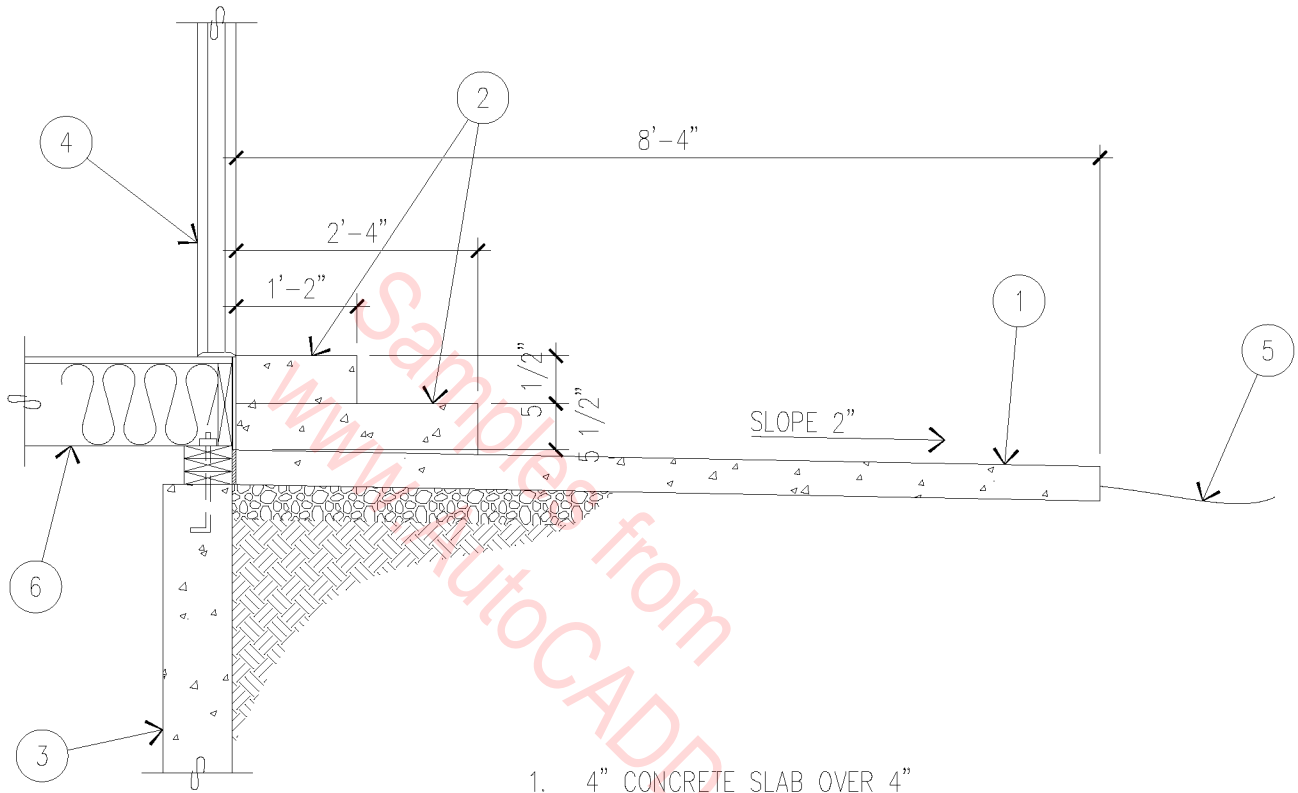
1. (1) #4 REBAR, CONTINUOUS, TOP AND BOTTOM.
2. #4 REBARS @ 18" O.C.
3. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
4. FINISHED GRADE.



MONOLITHIC FOOTING

3/4" = 1'-0"

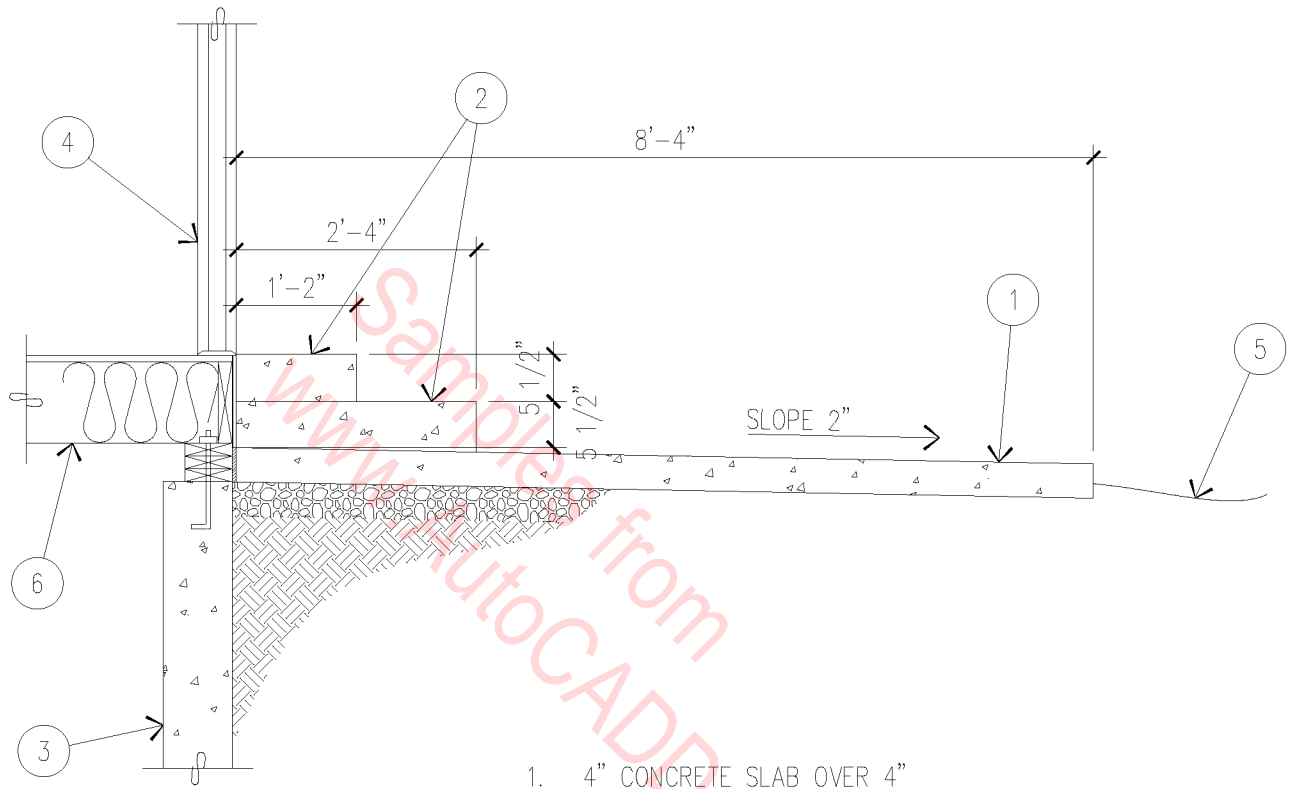
03B-1031



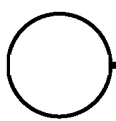
1. 4" CONCRETE SLAB OVER 4" AGGREGATE BASE COURSE.
2. CAST IN PLACE CONCRETE STEPS.
3. FOUNDATION WALL - SEE STRUCTURAL.
4. SLIDING GLASS DOOR - SEE SCHEDULE.
5. FINISH GRADE.
6. 2 X 10 FLOOR JOIST.

○ REAR PORCH
 1/2" = 1'-0"

03B-1032



1. 4" CONCRETE SLAB OVER 4" AGGREGATE BASE COURSE.
2. CAST IN PLACE CONCRETE STEPS.
3. FOUNDATION WALL - SEE STRUCTURAL.
4. SLIDING GLASS DOOR - SEE SCHEDULE.
5. FINISH GRADE.
6. 2 X 10 FLOOR JOIST.

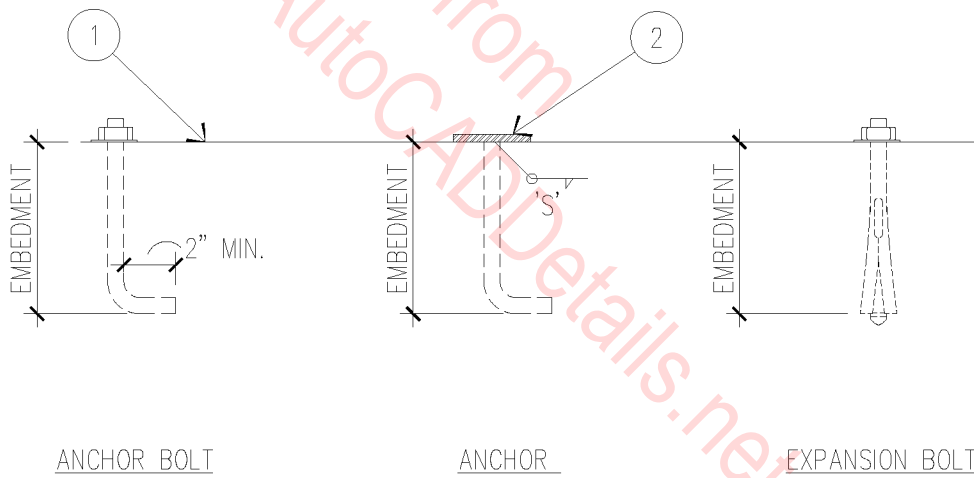


REAR PORCH

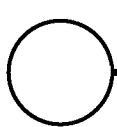
1/2" = 1'-0"

03B-1032

BOLT DIAMETER	VERT. BOLT EMBEDMENT LENGTH	HORIZ. BOLT EMBEDMENT LENGTH	HEADED STUD FILLET WELD SIZE, 'S'
1/2"	6"	4"	1/4"
5/8"	6"	4"	5/16"
3/4"	7"	5"	5/16"
7/8"	8"	6"	5/16"
1"	9"	7"	3/8"
1 1/8"	10"	8"	-----
1 1/4"	11"	9"	-----



1. FACE OF WALL, TOP OF WALL, COLUMN, ETC.
2. PLATE, ANGLE, CHANNEL, ETC.

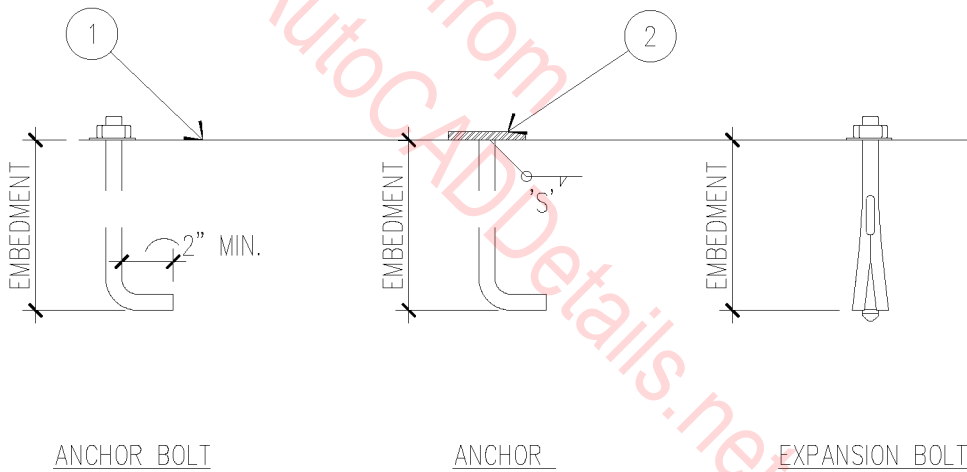


EMBEDS

1 1/2" = 1'-0"

03B-1033

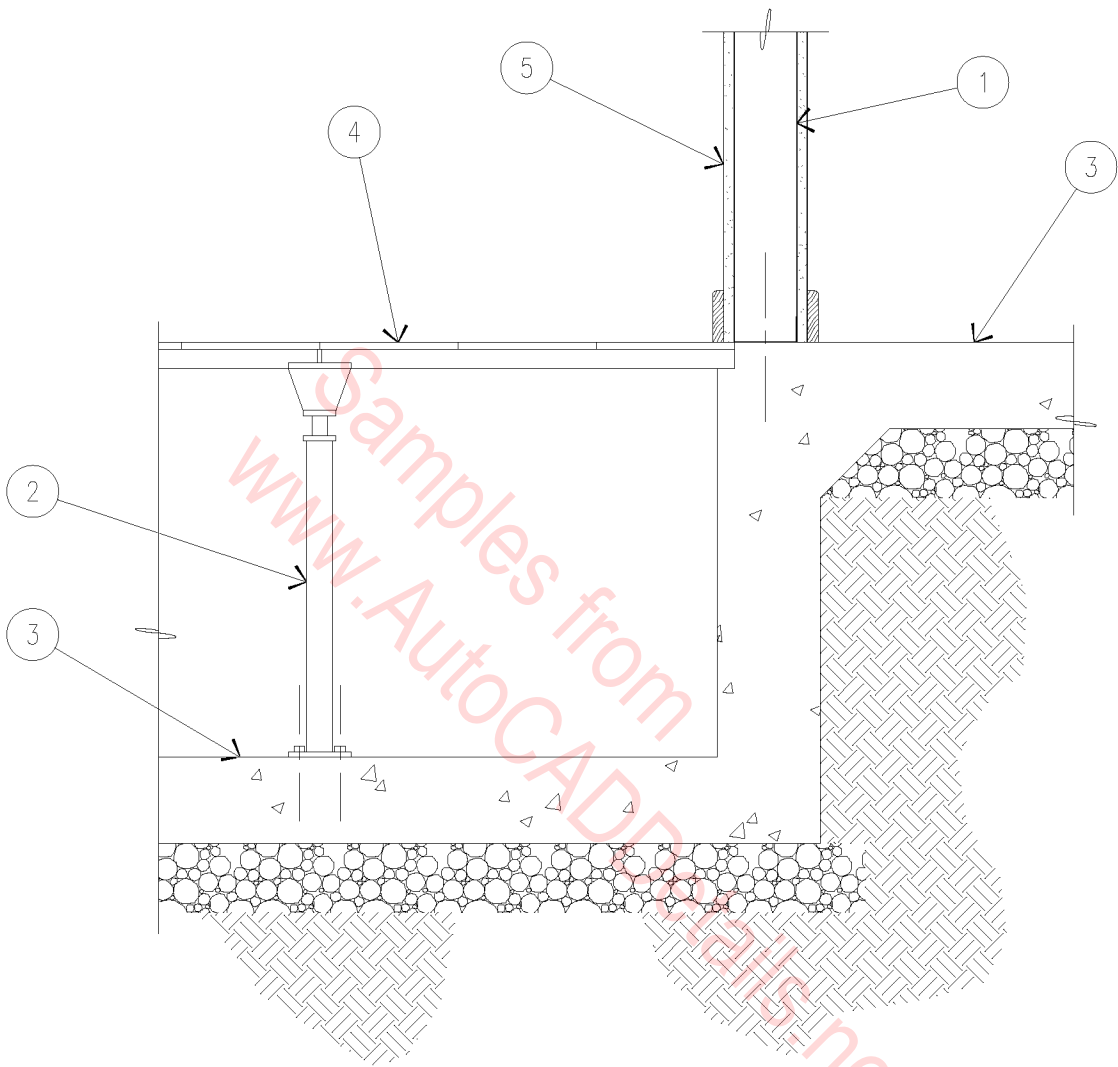
BOLT DIAMETER	VERT. BOLT EMBEDMENT LENGTH	HORIZ. BOLT EMBEDMENT LENGTH	HEADED STUD FILLET WELD SIZE, 'S'
1/2"	6"	4"	1/4"
5/8"	6"	4"	5/16"
3/4"	7"	5"	5/16"
7/8"	8"	6"	5/16"
1"	9"	7"	3/8"
1 1/8"	10"	8"	-----
1 1/4"	11"	9"	-----



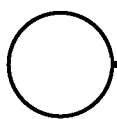
1. FACE OF WALL, TOP OF WALL, COLUMN, ETC.
2. PLATE, ANGLE, CHANNEL, ETC.

EMBEDS
 1 1/2" = 1'-0"

03B-1033



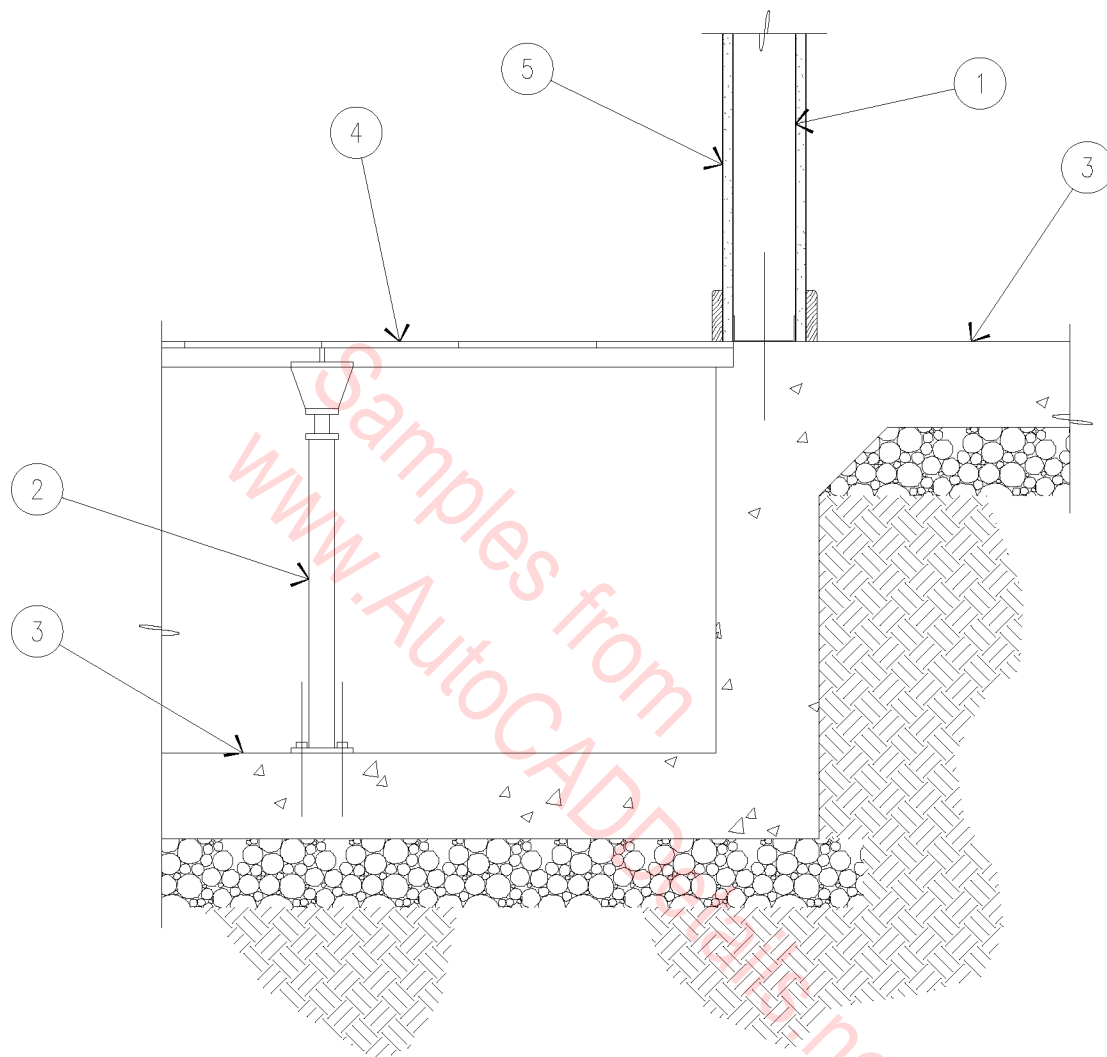
1. 3 5/8" METAL STUD WALL.
2. ACCESS FLOOR SUPPORT POST.
3. CONCRETE FLOOR SLAB.
4. ACCESS FLOOR.
5. 5/8" GYPSUM BOARD.



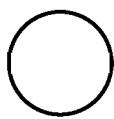
ACCESS FLOORING

1" = 1'-0"

03B-1034



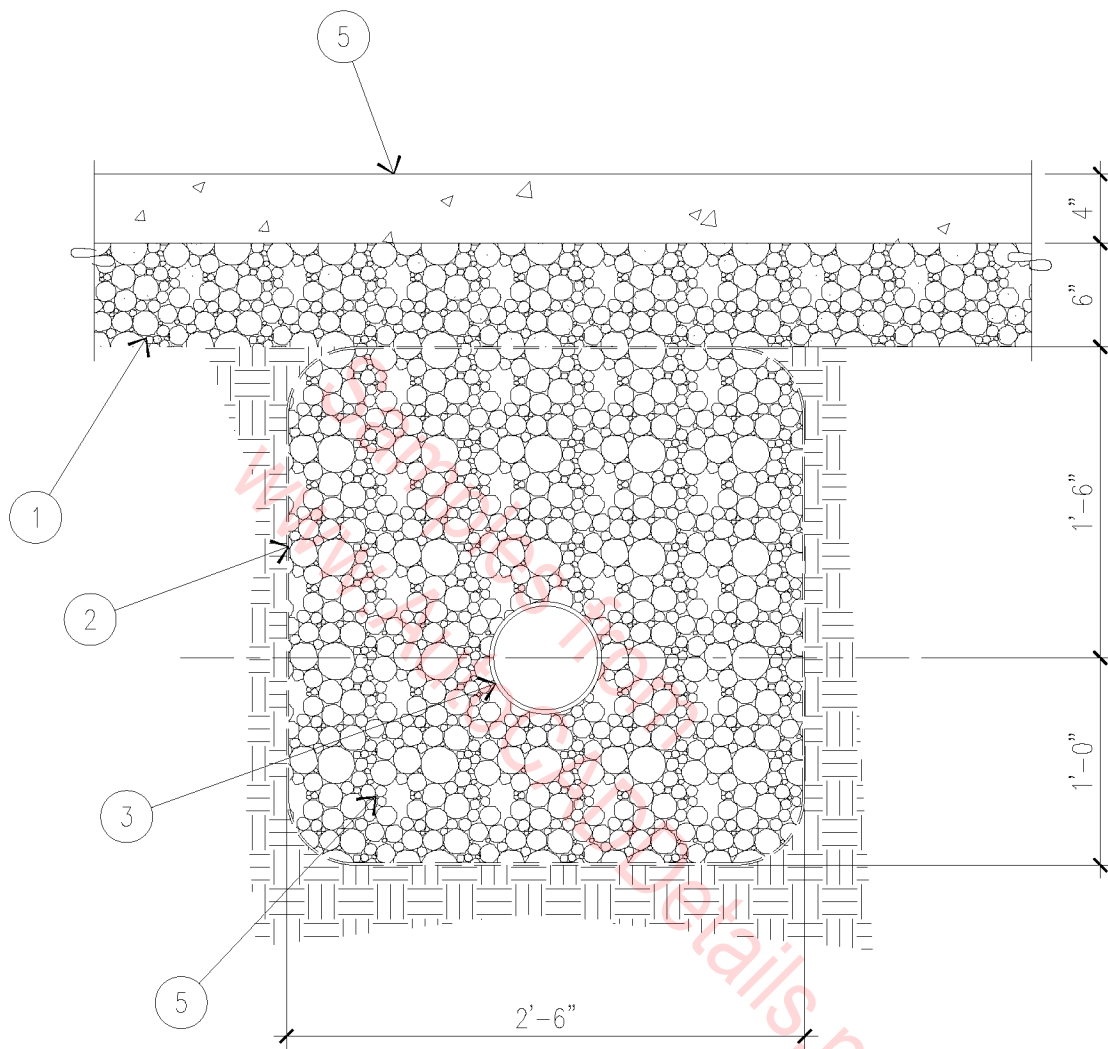
1. 3 5/8" METAL STUD WALL.
2. ACCESS FLOOR SUPPORT POST.
3. CONCRETE FLOOR SLAB.
4. ACCESS FLOOR.
5. 5/8" GYPSUM BOARD.



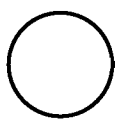
ACCESS FLOORING

1" = 1'-0"

03B-1034



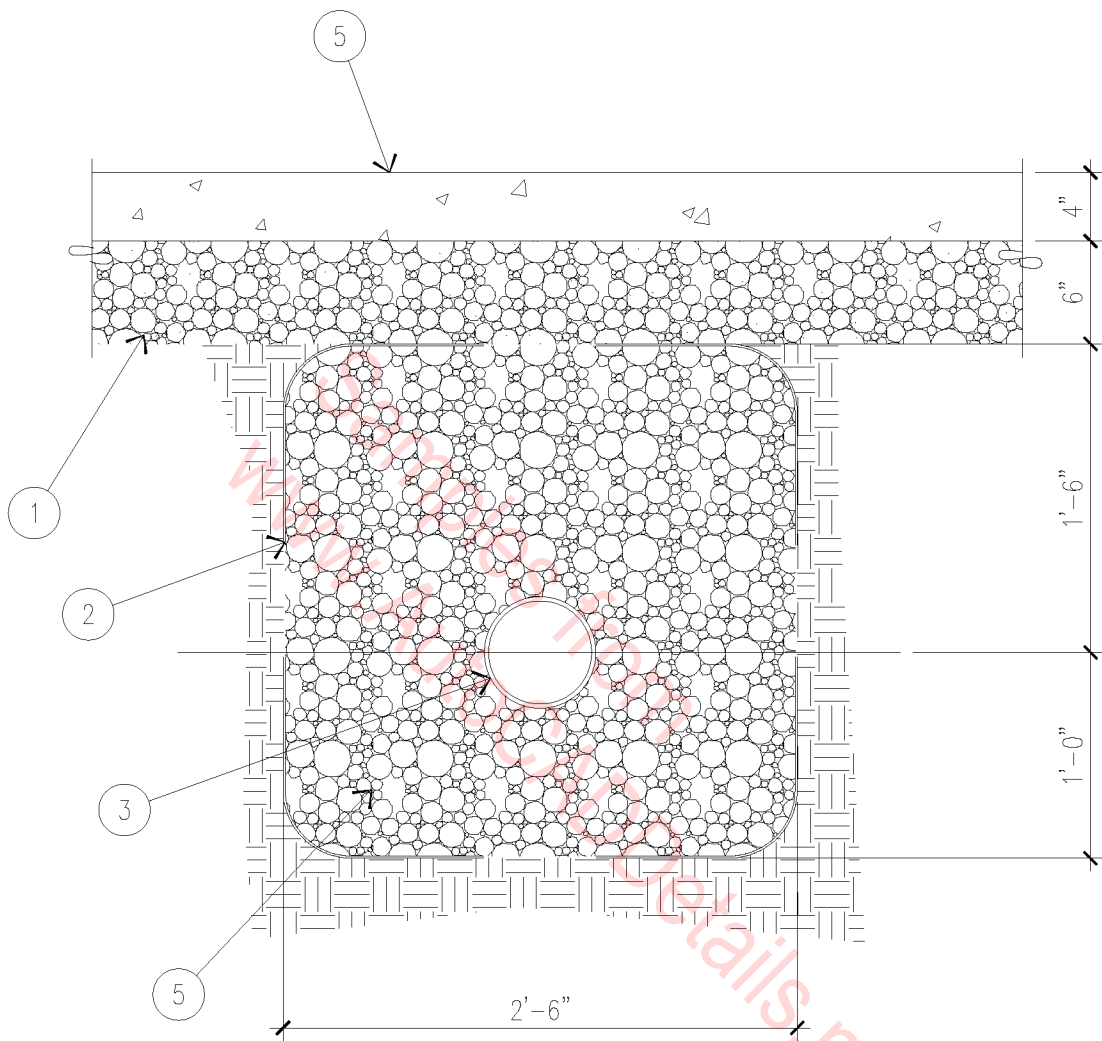
1. CLEAN SAND AND GRAVEL.
2. FILTER FABRIC.
3. 6" ϕ PERFORATED DRAIN PIPE.
4. 3/4" WASHED GRAVEL.
5. CONCRETE FLOOR.



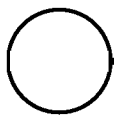
UNDERSLAB DRAIN

1" = 1'-0"

03B-1035



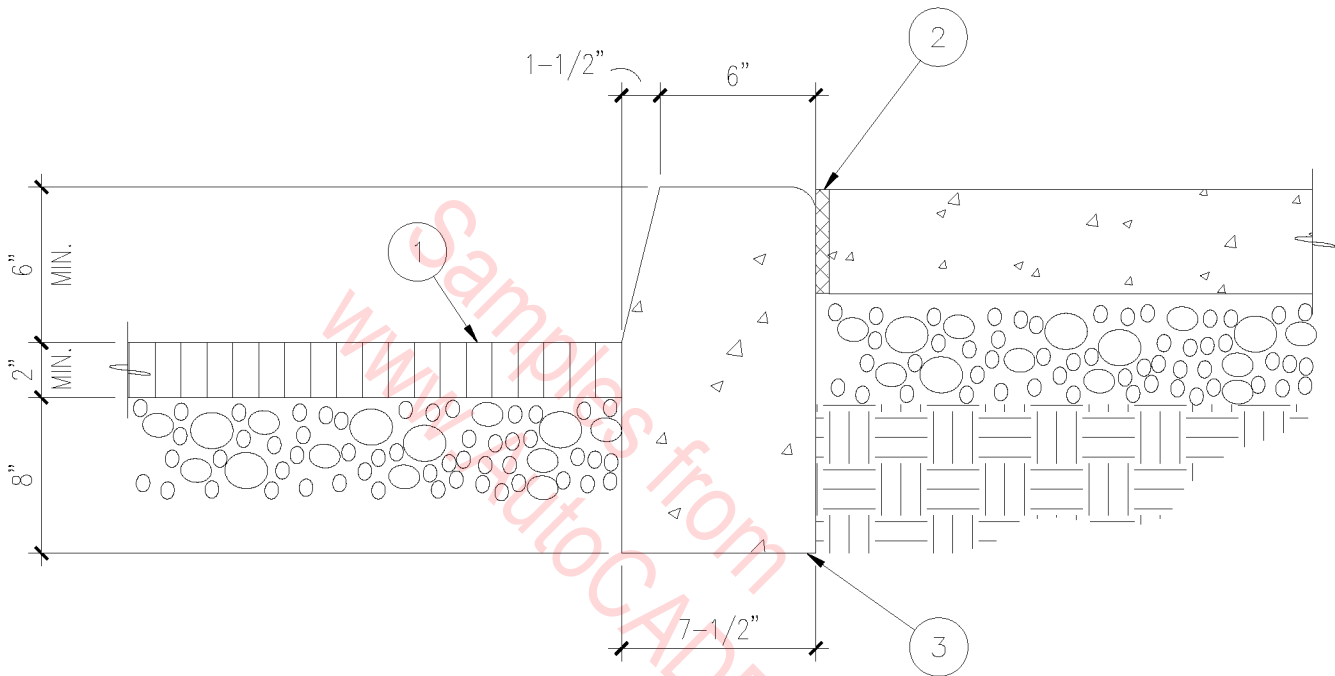
1. CLEAN SAND AND GRAVEL.
2. FILTER FABRIC.
3. 6" ϕ PERFORATED DRAIN PIPE.
4. 3/4" WASHED GRAVEL.
5. CONCRETE FLOOR.



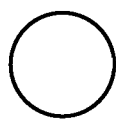
UNDERSLAB DRAIN

1" = 1'-0"

03B-1035



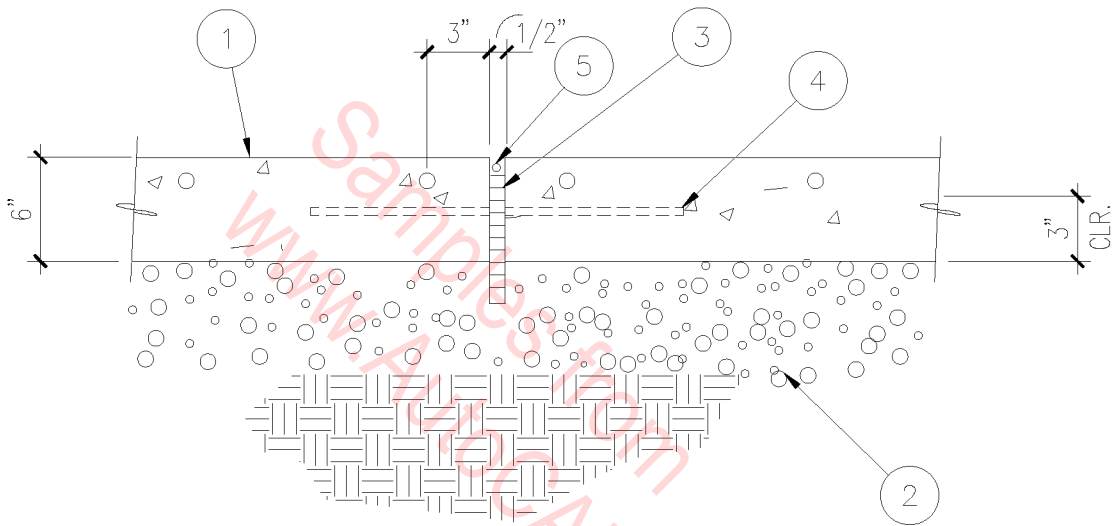
- 1. ASPHALTIC CONCRETE.
- 2. 3/8" EXPANSION JOINT.
- 3. CONCRETE CURB.



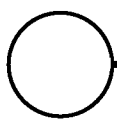
TYPICAL SIDEWALK CURB

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

03B-2001



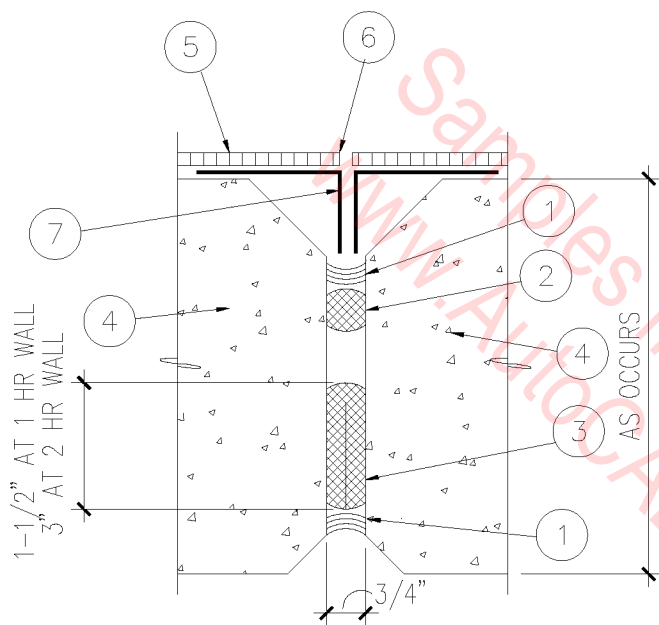
1. CONCRETE SLAB.
2. AGGREGATE BASE COURSE.
3. ASPHALTIC IMPREGNATED EXPANSION JOINT.
WITH BOND BREAKER, TAPE, BACKER ROD,
AND SEALANT.
4. #4 SMOOTH REBARS 2'-0" LONG @ 24" O.C.(GREASE ONE END
LIBERALLY).
5. BACKER ROD AND SEALANT.



COLD JOINT WITH REINF.

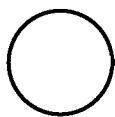
SCALE: 1" = 1'-0"

03B-2002



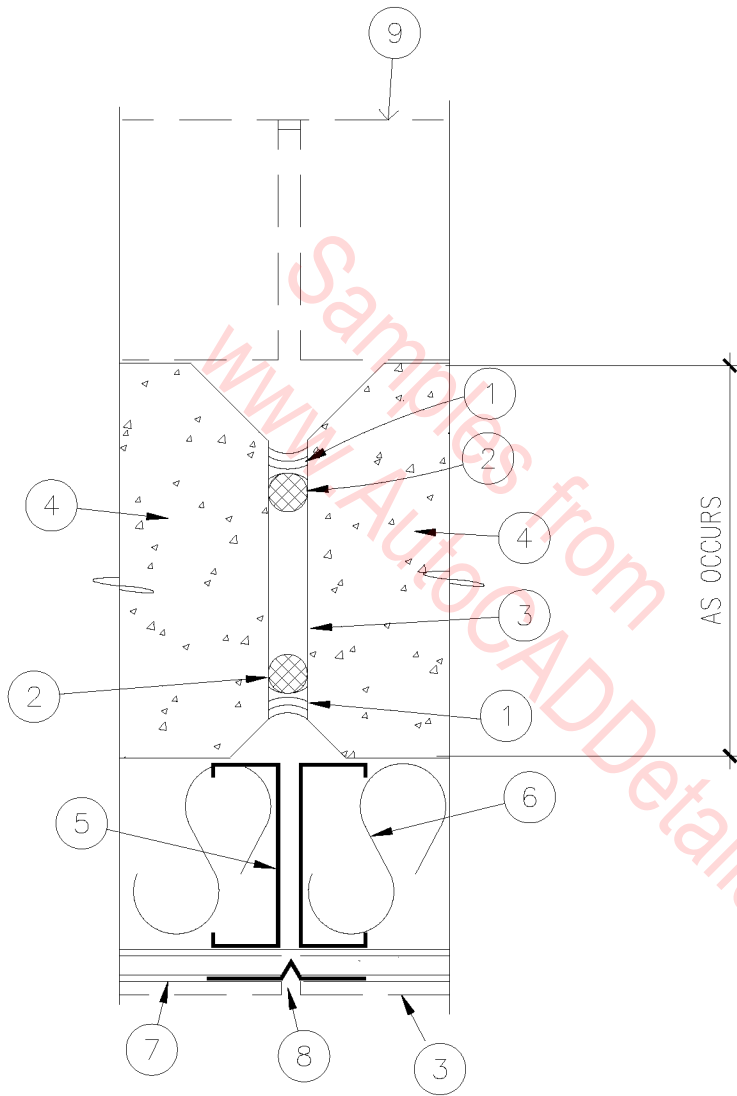
1. FIRE STOPPING SEALANT, 'TREMCO' DYMETRIC, POLYTREMDYNE TERPOLYMER.
2. JOINT FILLER - POLYETHYLENE CLOSED-CELL FOAM, BY 'DOW CHEMICAL'.
3. 'CERABLANKET-FS' - CERAMIC FIBER BLANKET INSULATION, BY 'JOHNS-MANVILLE'.
4. CONCRETE WALL.
5. CERAMIC TILE ON THIN SET CEMENT MORTAR.
6. SEALANT.
7. METAL LATH CORNER
ICBO EVALUATION REPORT NO. 3198.

CONTROL JOINT @ TILT UP WALL



3" = 1'-0"

03B-2003

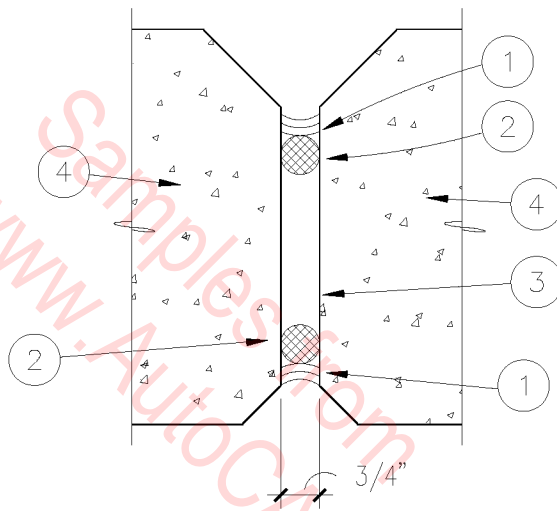


1. SEALANT.
2. BACKER ROD.
3. CERAMIC WALL TILE ON GLASS MESH MORTAR UNIT IN LIEU OF GYPSUM BOARD.
4. CONCRETE WALL.
5. METAL STUDS.
6. R-11 BATT INSULATION AT EXTERIOR WALL.
7. 5/8" GYPSUM WALLBOARD.
8. METAL CONTROL JOINT AT GYP. BD., SEALANT AT CERAMIC TILE.
9. LINE OF WALL FURRED WITH METAL STUDS AND GYPSUM BOARD.

CONTROL JOINT FURRED PRECAST WALL

SCALE: 3" = 1'-0"

03B-2004

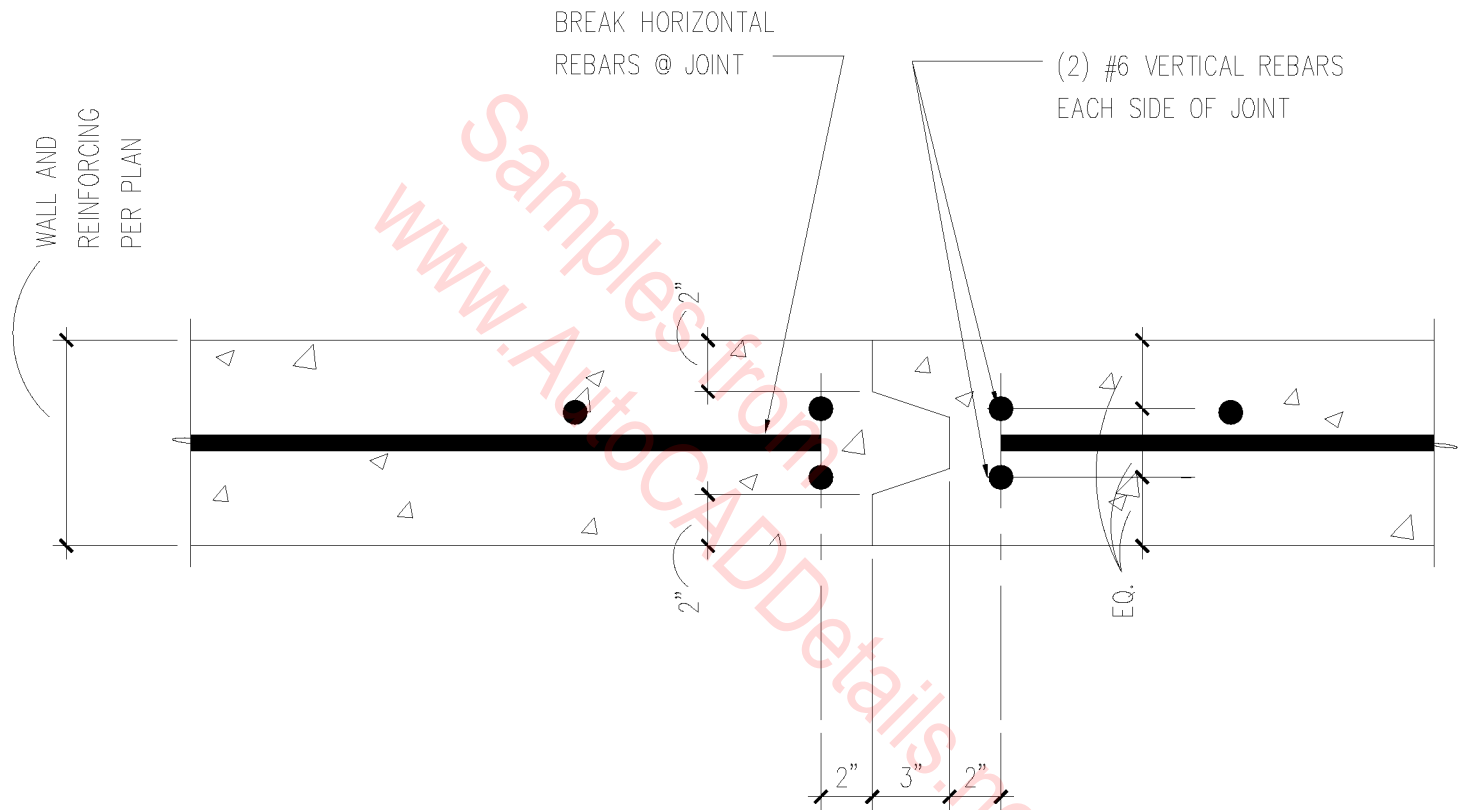


1. SEALANT.
2. BACKER ROD.
3. AIR SPACE.
4. CONCRETE WALL.

CONTROL JOINT @ PRECAST WALL

3" = 1'-0"

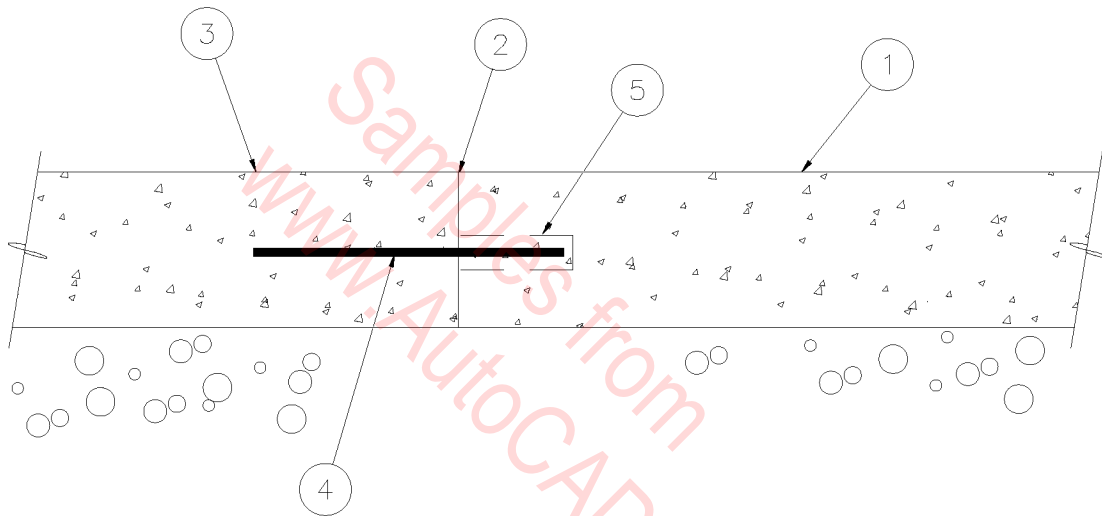
03B-2005



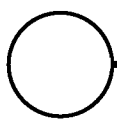
KEYED VERTICAL CONTROL JOINT

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

03B-2006



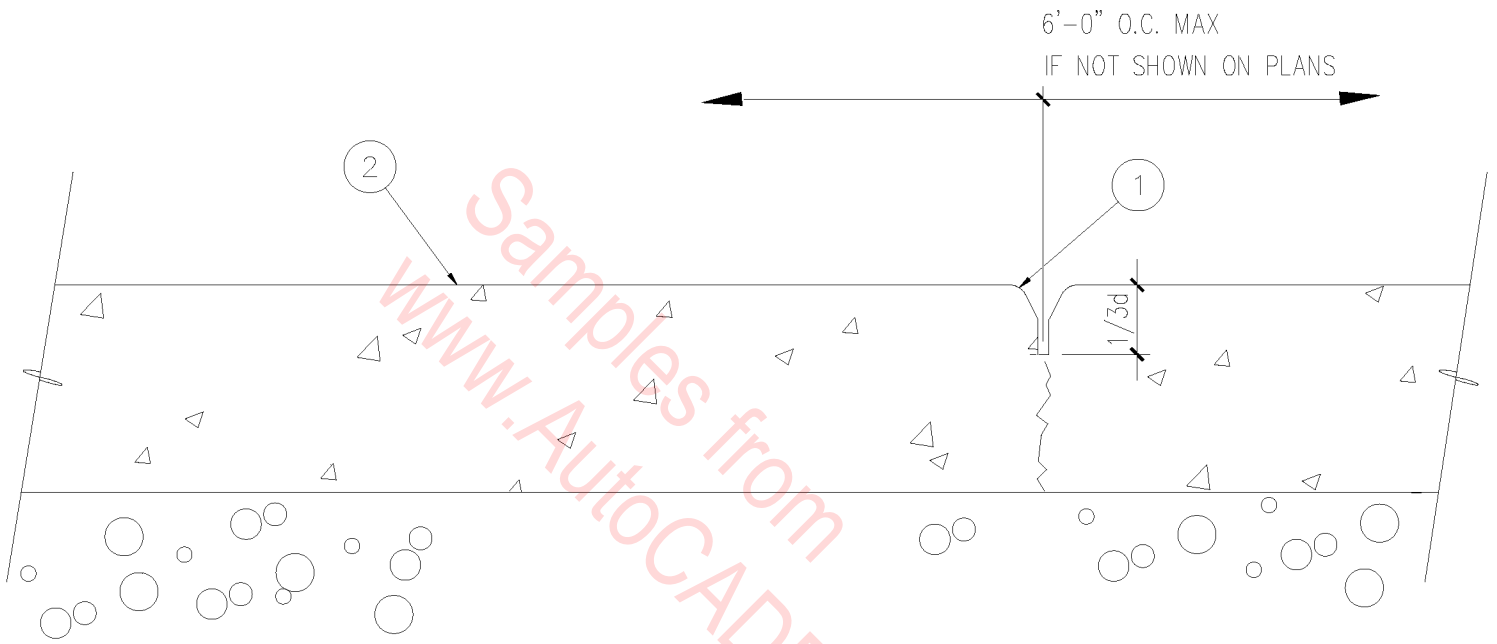
1. EXISTING CONCRETE SLAB.
2. SAW CUT LINE.
3. CONCRETE SLAB ON ABC.
4. #4 REBAR X 18" @ 18" O.C.
5. DRILL AND EPOXY GROUT 6" INTO EXISTING SLAB.



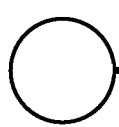
SAW CUT JOINT

SCALE: 3" = 1'-0"

03B-2007



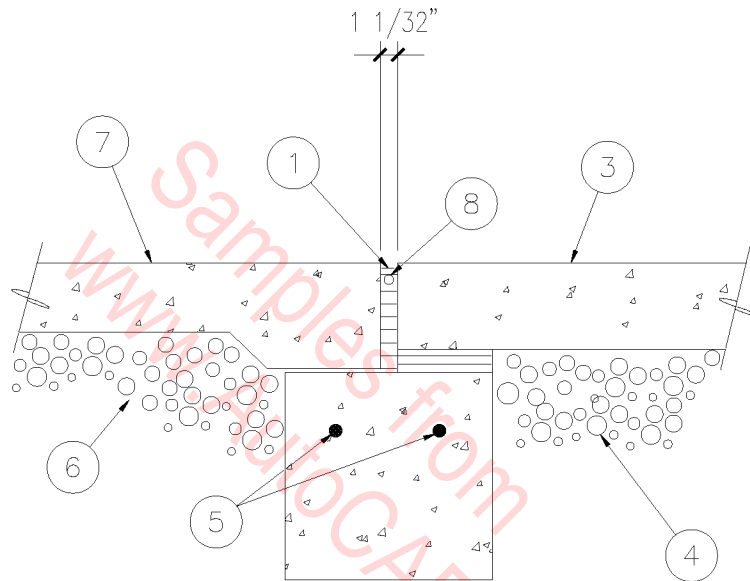
1. TOOLED 3/4" RADIUS.
2. CONCRETE SLAB ON A.B.C.



TOOLED CONTROL JOINT

SCALE: 3" = 1'-0"

03B-2008



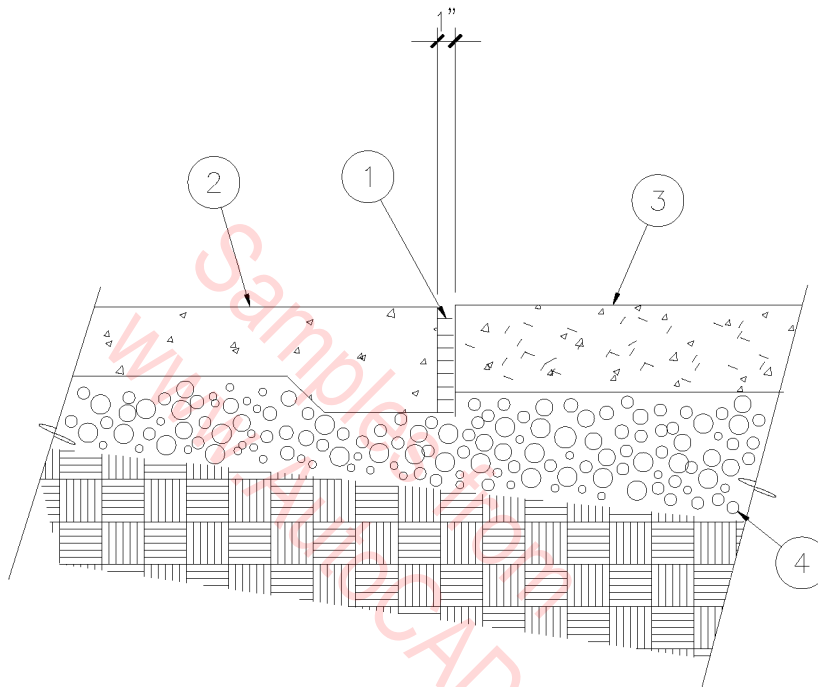
1. 1" EXPANSION JOINT.
2. TWO LAYERS 15# FELT.
3. 6" CONCRETE SLAB.
4. PREPARED FILL.

5. (2) #4 REBARS CONTINUOUS.
6. A.B.C.
7. CONCRETE SLAB.
8. BACKER ROD & CAULKING
9. GRADE BEAM - SEE STRUCTURAL.

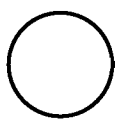
EXPANSION JOINT @ GRADE BEAM

SCALE: 1" = 1'-0"

03B-2009



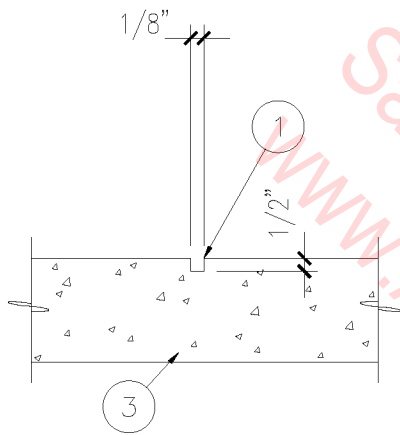
1. 1" EXPANSION JOINT.
2. CONCRETE SLAB.
3. CONCRETE SLAB WITH SYNTHETIC REINFORCING FIBERS.
4. A.B.C. FILL.



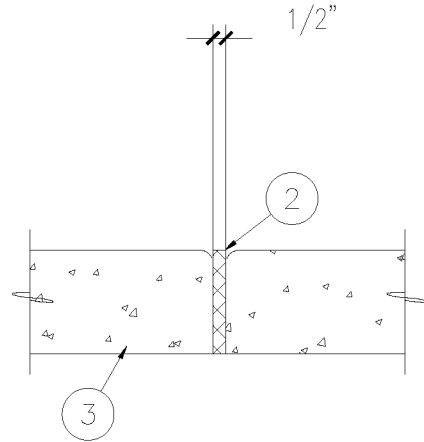
EXPANSION JOINT

SCALE: 1" = 1'-0"

03B-2010

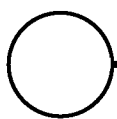


CONTROL JOINTS @ 5'-0" O.C.



EXPANSION JOINTS @ 20'-0" O.C.

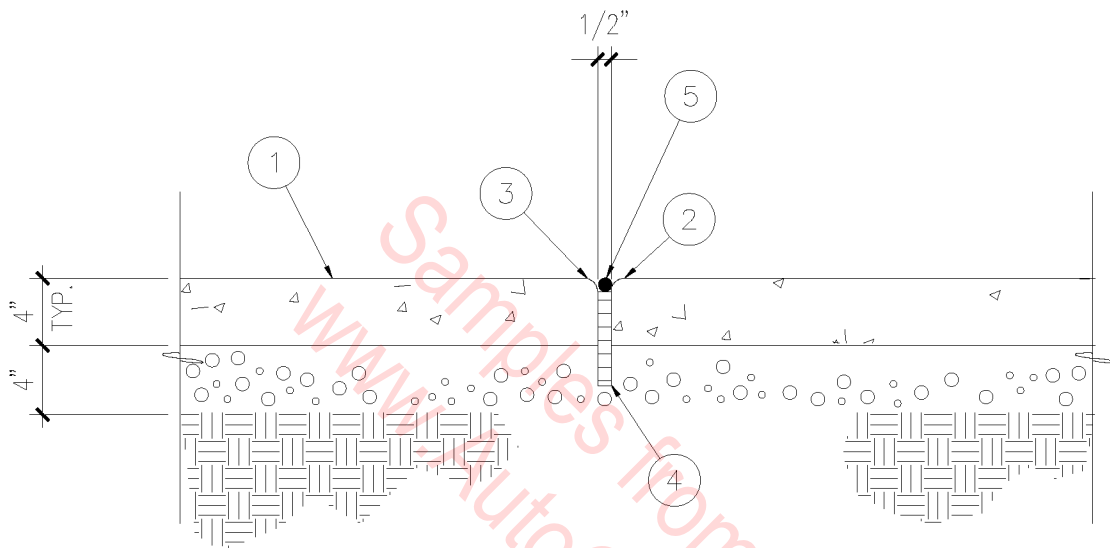
1. TOOLED JOINTS TYPICAL
2. EXPANSION JOINT.
3. 4" CONCRETE SLAB.



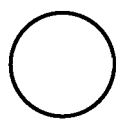
SIDEWALK JOINTS

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

03B-2011



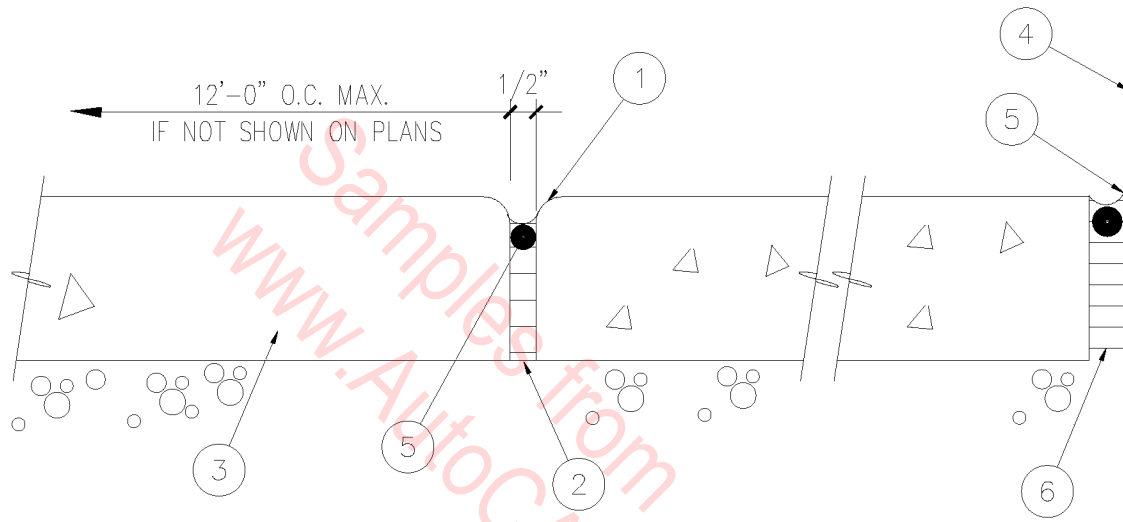
1. CONCRETE SLAB OVER AGGREGATE BASE COURSE.
2. TOOLED EDGE(S).
3. 3/4" RADIUS.
4. 1/2" X 6" ASPHALT IMPREGNATED FIBER EXPANSION JOINT.
5. CAULK LEVEL WITH SIDEWALK.



CONC. EXPANSION JOINT

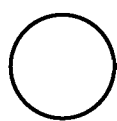
SCALE: 1" = 1'-0"

03B-2012



1. TOOLED 3/4" RADIUS
2. 1/2" EXPANSION JOINT MATERIAL.
3. CONCRETE SLAB ON A.B.C.

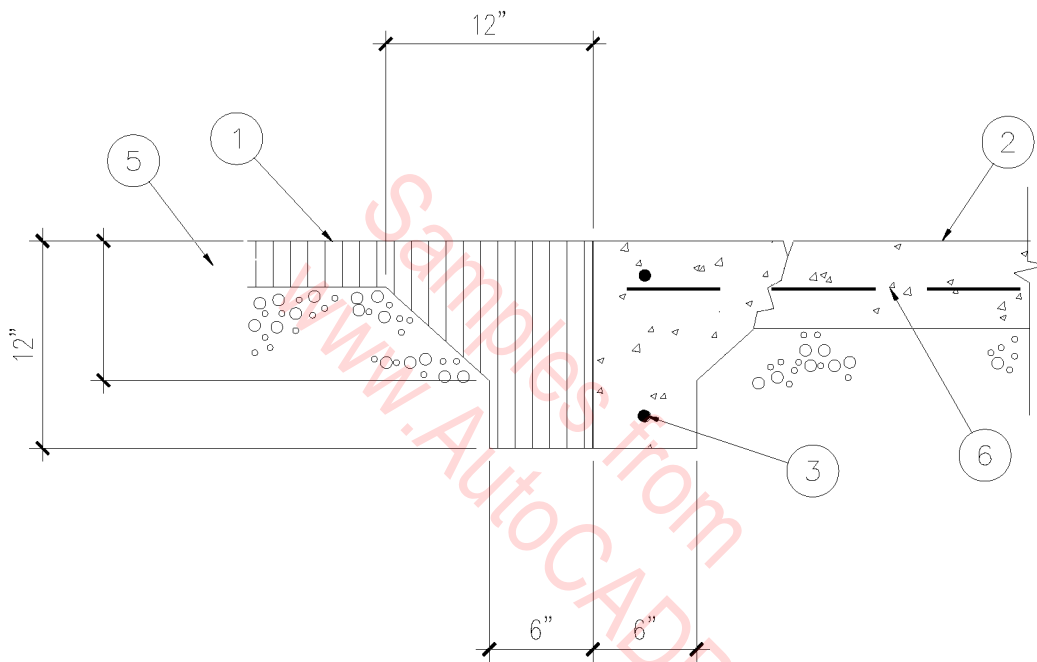
4. FACE OF BUILDING OR OTHER VERTICAL SURFACES.
5. TRAFFIC SEALANT W/ BACKER ROD
6. 1/2" CONTINUOUS EXPANSION JOINT AT FACE OF ALL STRUCTURES.



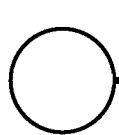
EXPANSION JOINT

SCALE: 3" = 1'-0"

03B-2013



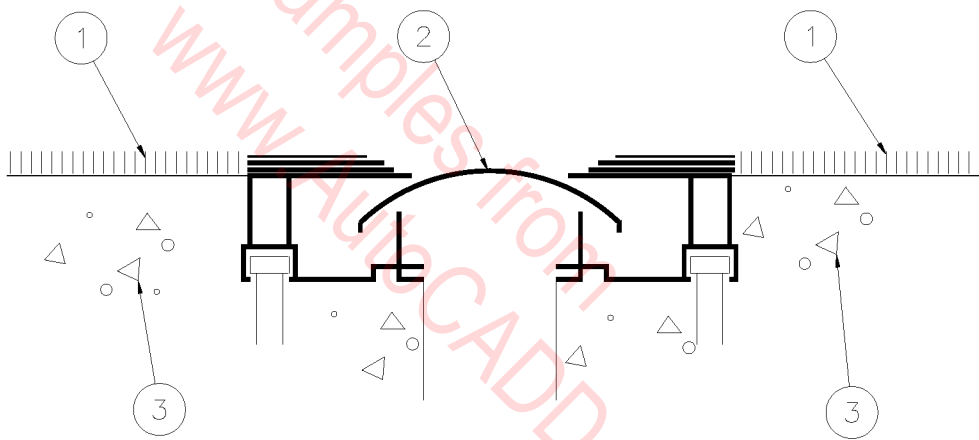
1. ASPHALT PAVING ON A.B.C.
2. CONCRETE SLAB ON A.B.C.
3. 2 #4 REBARS CONTINUOUS.
4. REINFORCING.
5. 6" MIN - DEPTH OF PAVING & BASE.
6. #3 HORIZONTAL REBARS X 24" LONG @ 18" O.C.



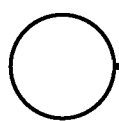
CONC./ASPH. TURNDOWN

SCALE: 1" = 1'-0"

03B-2014



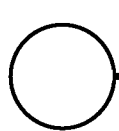
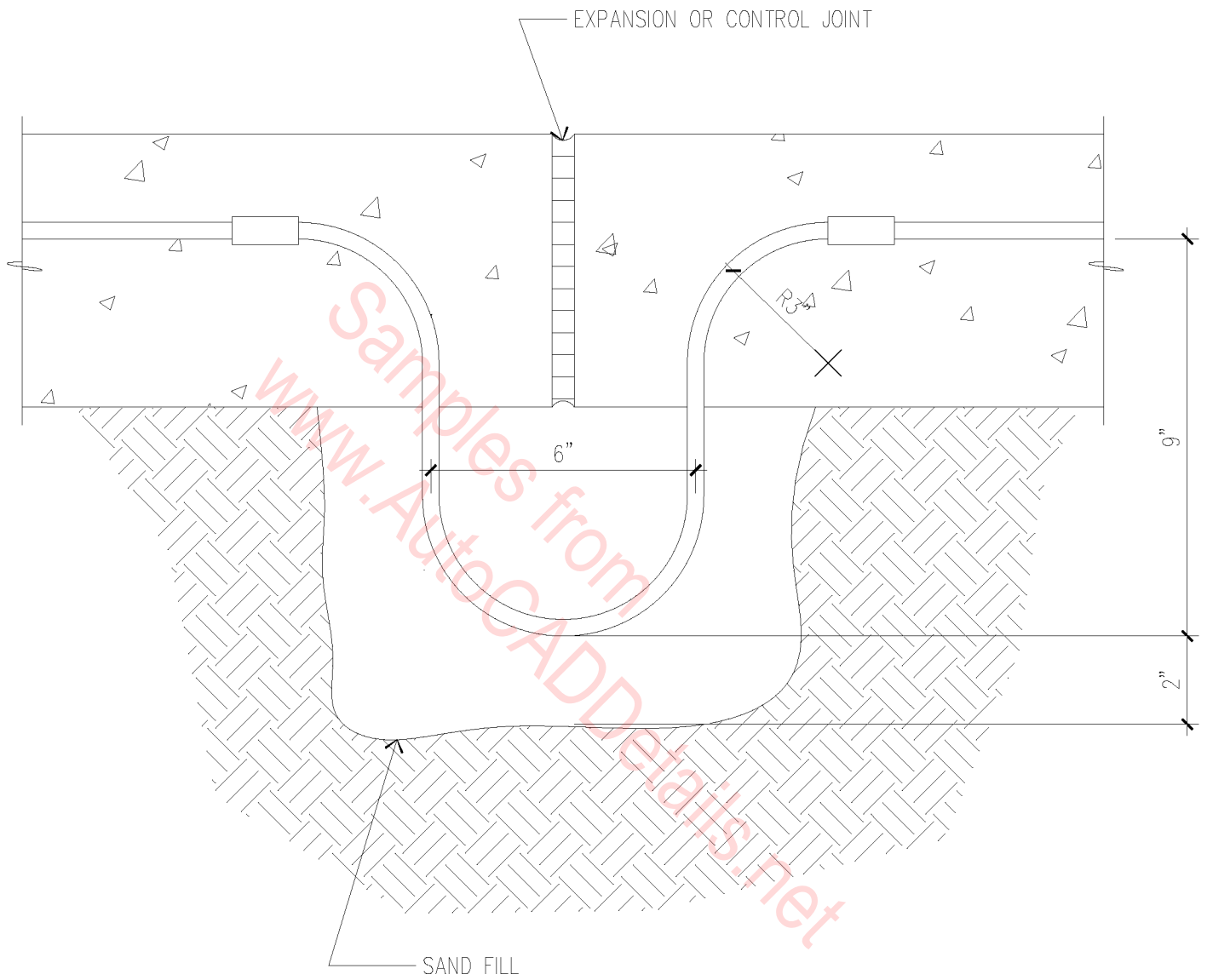
1. CARPET.
2. "BALCO" 6000 SERIES EXPANSION JOINT
TYPE 6FC-1.
3. CONCRETE SLAB.



FLOOR EXPANSION JOINT

SCALE: 1" = 1'-0"

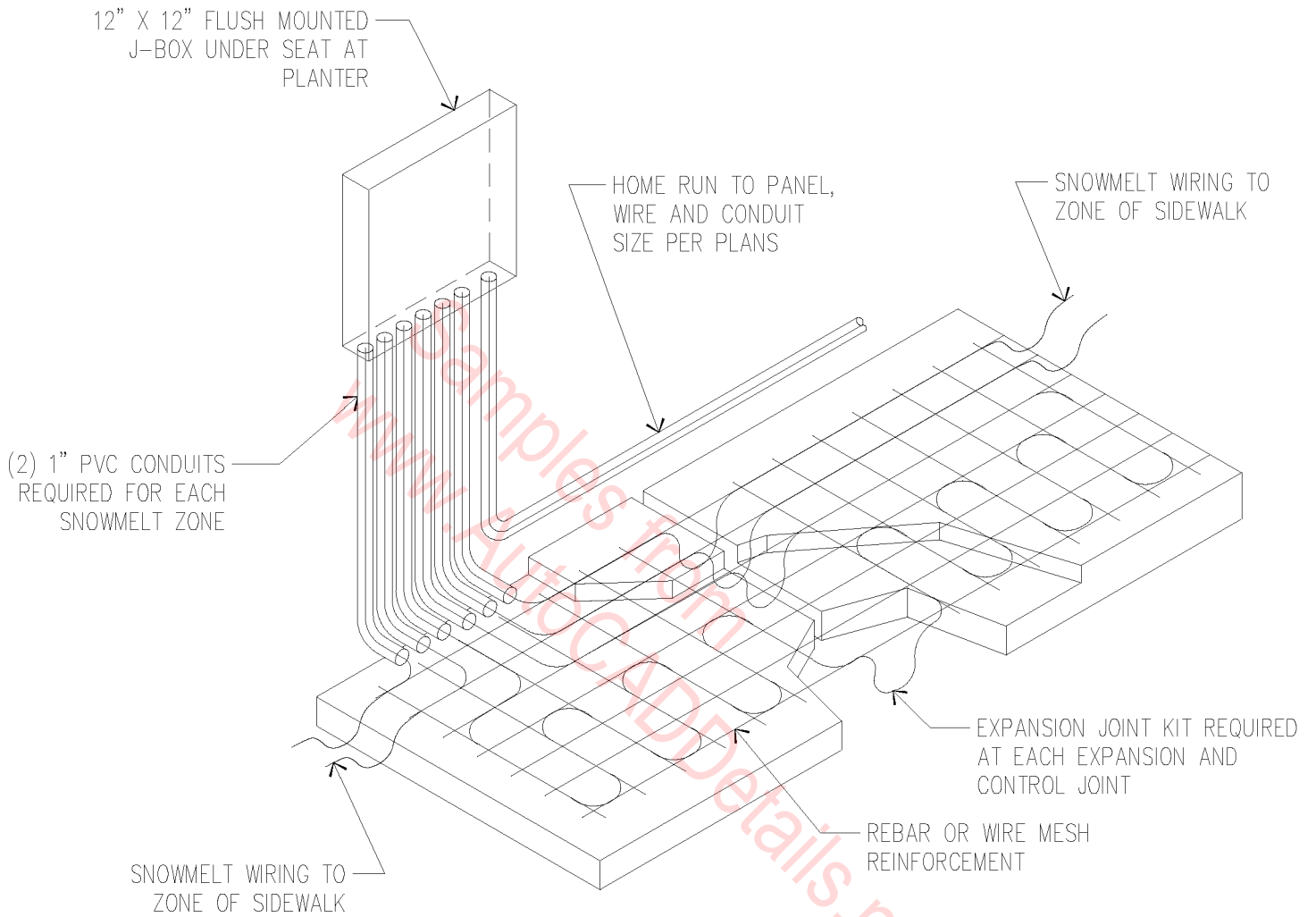
03B-2015



EXPANSION JOINT KIT

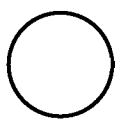
3" = 1'-0"

03B-2016



NOTES:

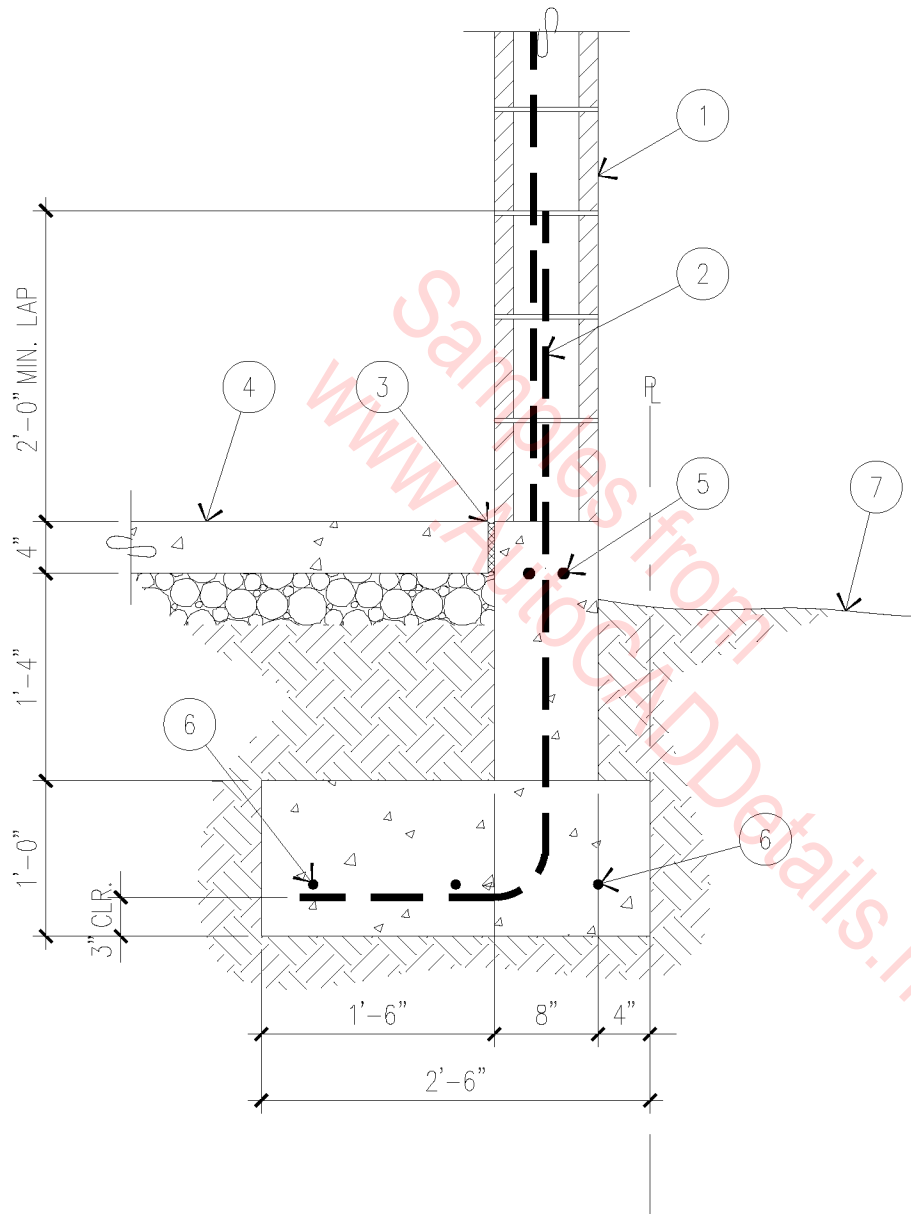
- A. INSTALL SNOWMELT 6" FROM EDGE AND ON 8" CENTERS.
- B. SECURE TO REBAR/REINFORCEMENT WIRE WITH PLASTIC TIES AT 18" CENTERS AND AT EACH MIDPOINT OF BEND.



SNOWMELT WIRING LAYOUT

N.T.S.

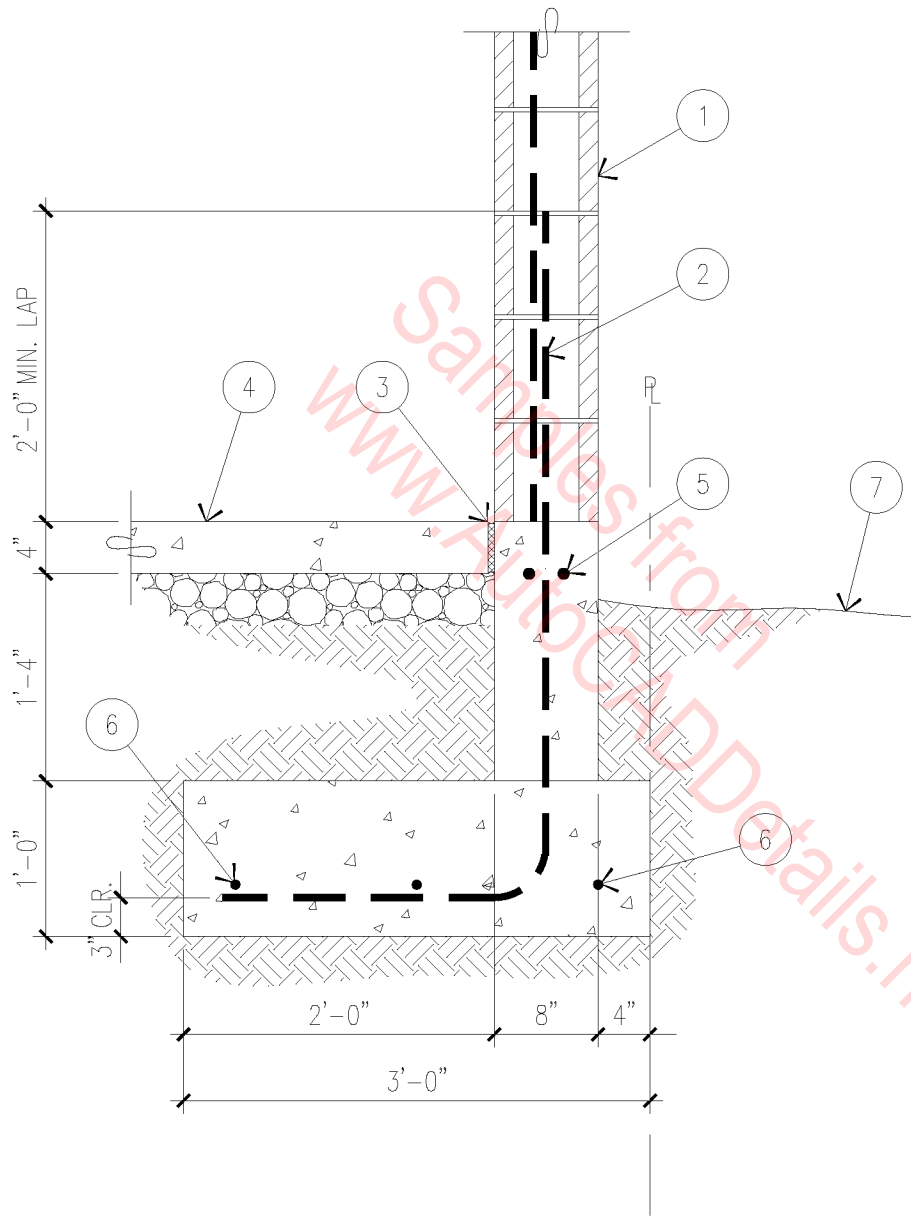
03B-2017



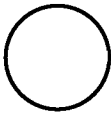
1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (3) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.

FOOTING
 3/4" = 1'-0"

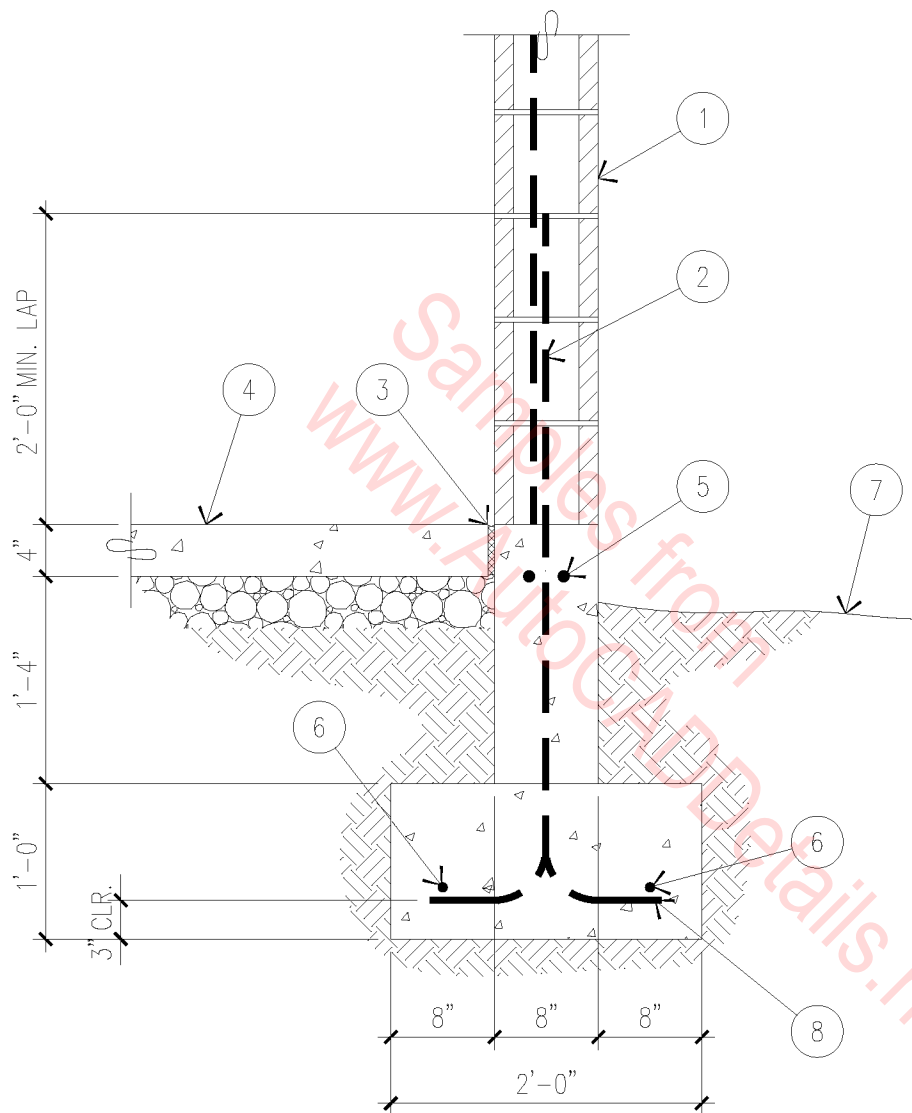
03B-2018



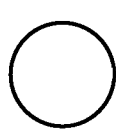
1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (3) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.


FOOTING
 3/4" = 1'-0"

03B-2019



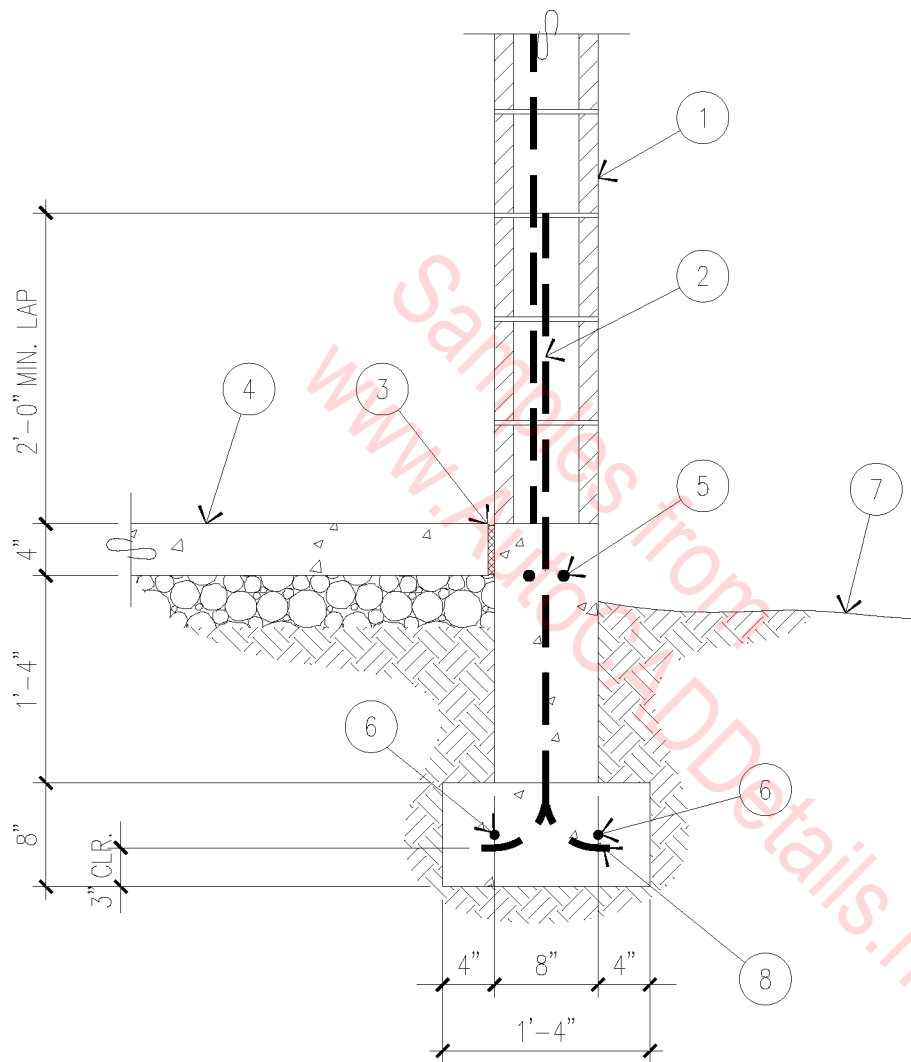
1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (2) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.
8. ALTERNATE BENDS.



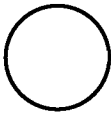
FOOTING

3/4" = 1'-0"

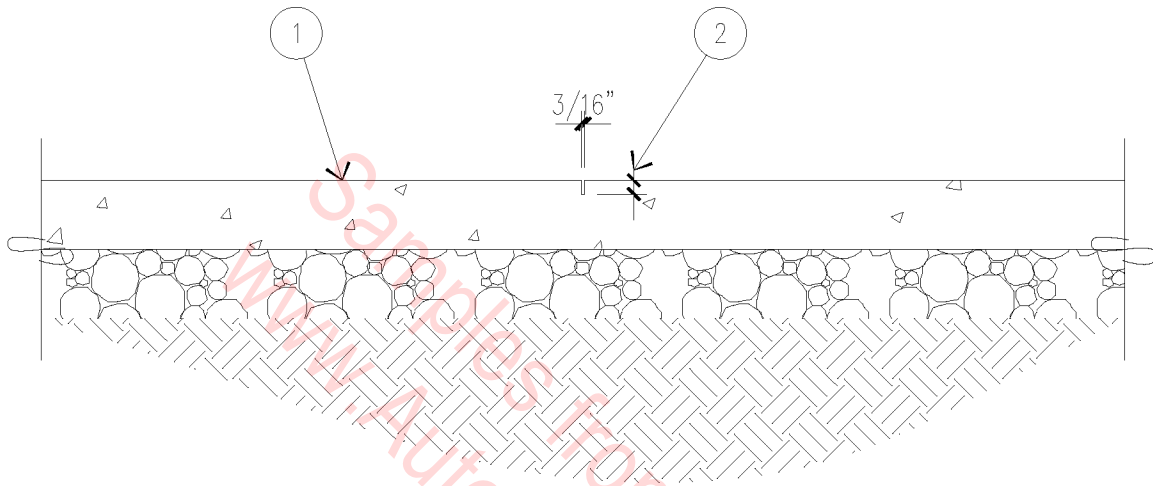
03B-2020



1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (2) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.
8. ALTERNATE BENDS.

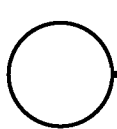

FOOTING
 3/4" = 1'-0"

03B-2021



1. 4" CONCRETE SLAB OVER
4" ABC.
2. SAWCUT TO WITHIN 1/5 SLAB
THICKNESS.

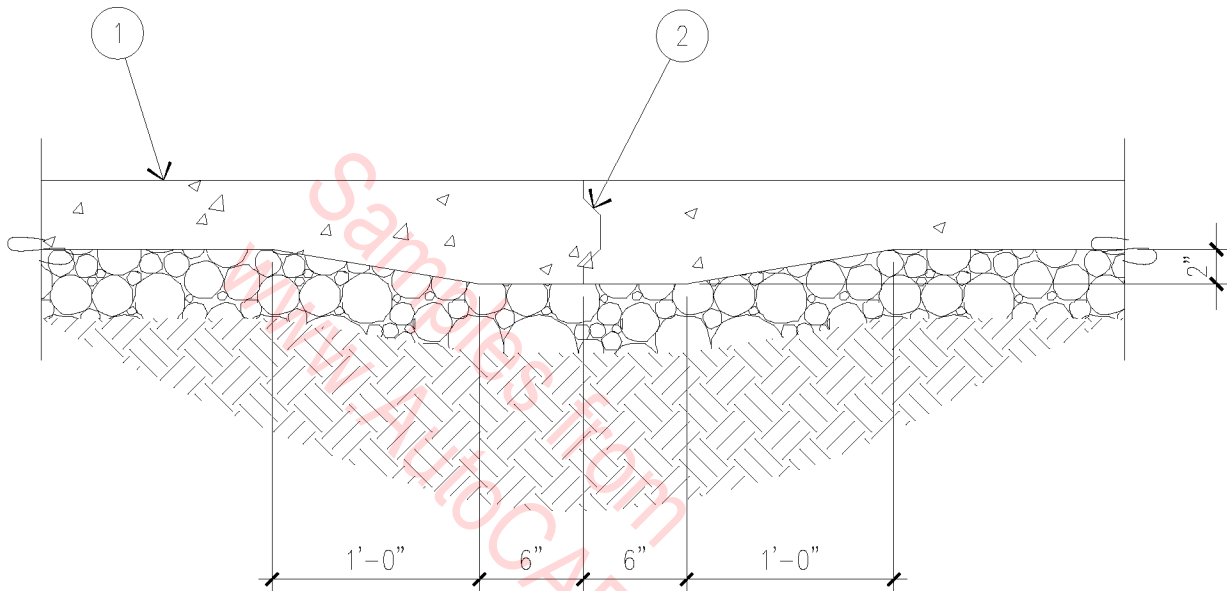
NOTE: SAW CUT CONCRETE SLAB AS SOON
AS THE SURFACE IS FIRM ENOUGH SO
THAT IT WILL NOT BE TORN OR DAM-
AGED BY THE BLADE AND IN A TIME-
LY MANNER TO PREVENT CRACKING
OF THE SLAB.



WEAKENED PLANE JOINT

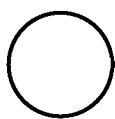
1" = 1'-0"

03B-2022



1. 4" CONCRETE SLAB OVER
4" ABC.
2. KEY FORMED JOINT.

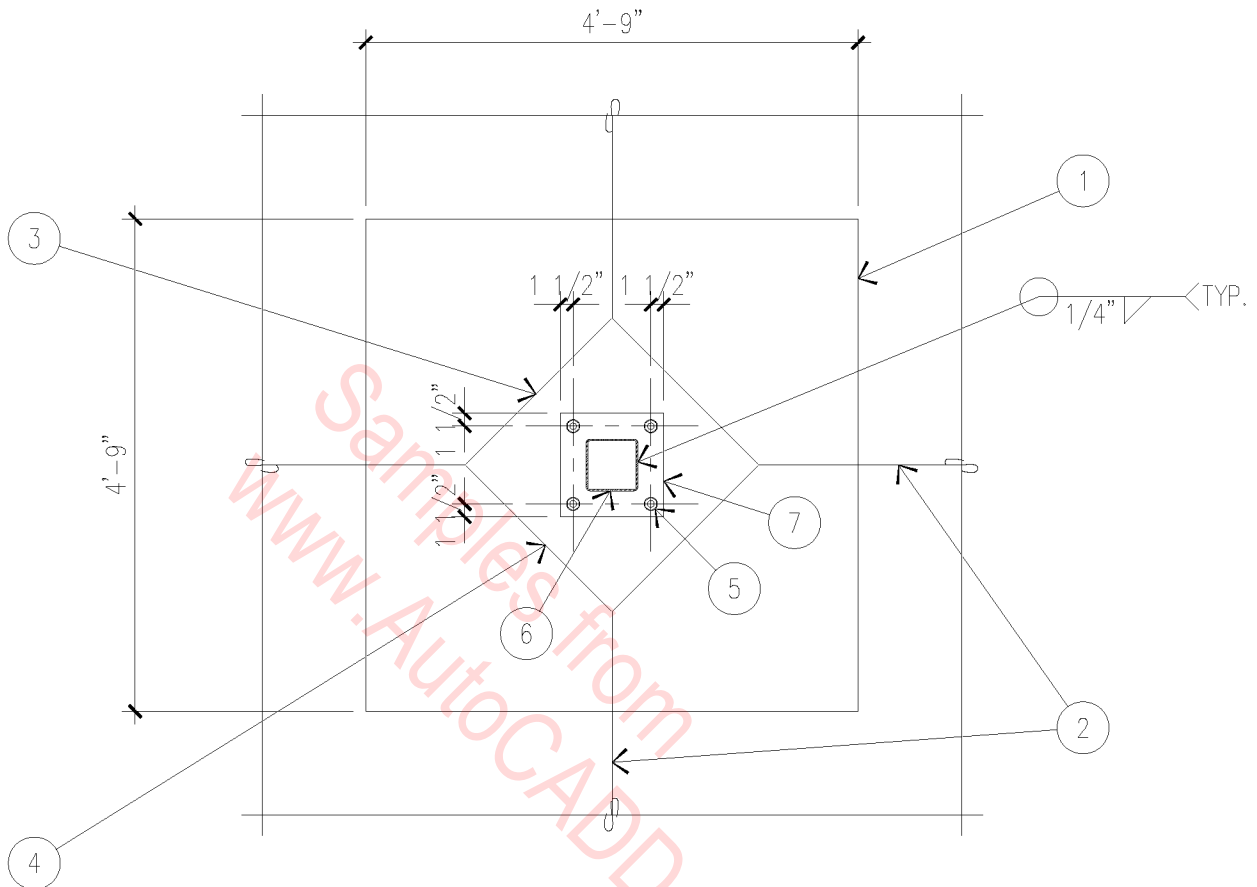
NOTE: USE CONTROL JOINT BETWEEN
TWO (2) SEPARATE POURS.



CONSTRUCTION JOINT

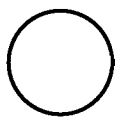
1" = 1'-0"

03B-2023



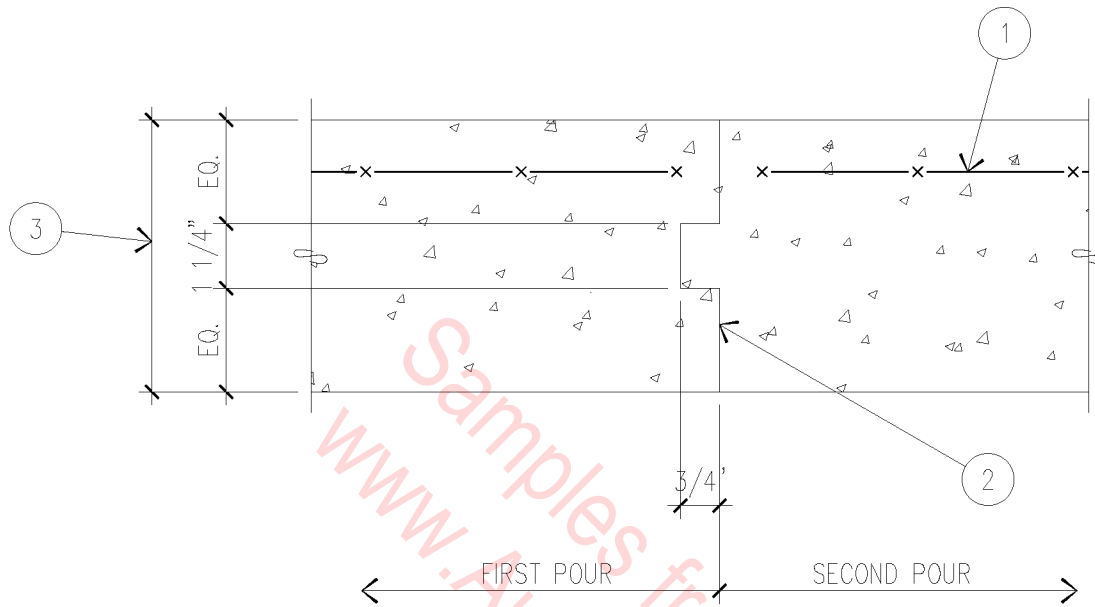
1. 4'-9" X 4'-9" X 15" THICK PAD WITH (4) #5 REBARS, EACH WAY.
2. WEAKENED PLANE OR CONSTRUCTION JOINT.
3. 24" BOX OUT, FILL WITH CONCRETE AFTER COLUMN IS SET.
4. TOOL JOINT.
5. (4) 3/4" Ø ANCHOR BOLTS WITH 4" HOOK AND MINIMUM 8" EMBED.
6. 6" X 6" X 3/16" TUBE STEEL COLUMN.
7. 12" X 12" X 3/4" COLUMN BASE PLATE.

BASEPLATE @ TUBE STEEL COLUMN



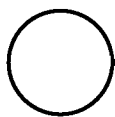
1/2" = 1'-0"

03B-2024



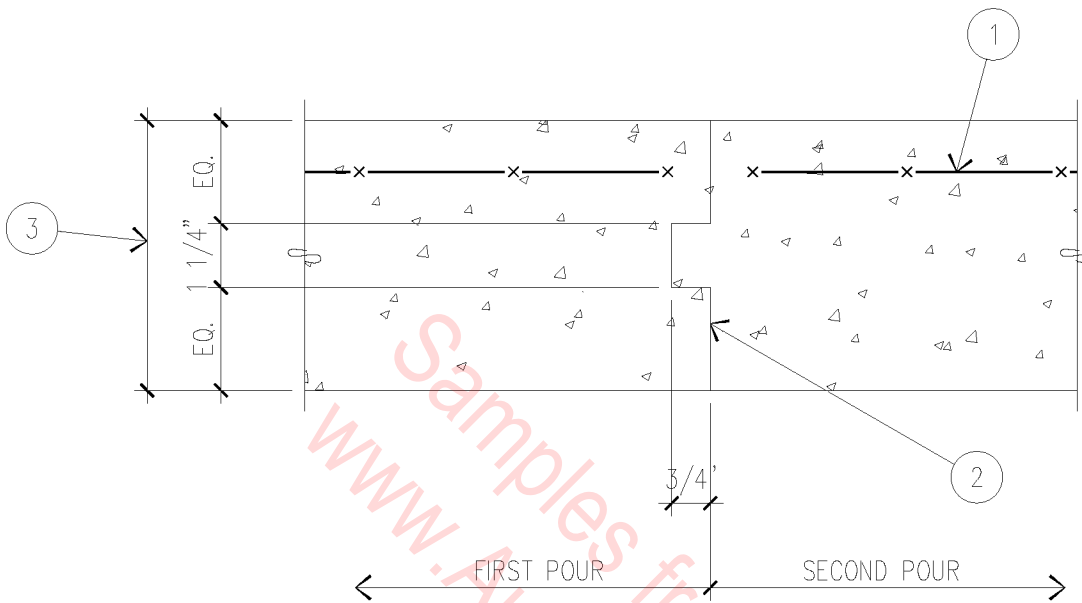
1. WELDED WIRE FABRIC – STOP AT JOINT.
2. KEYED JOINT ALONG EDGE OF Poured STRIP – PAINT WITH CURING COMPOUND BEFORE ADJACENT SLAB IS PLACED TO BREAK BOND.
3. SEE PLAN FOR SLAB THICKNESS AND REINFORCEMENT.

CONSTRUCTION JOINT IN CONCRETE SLAB



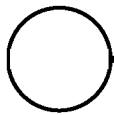
3" = 1'-0"

03B-2025



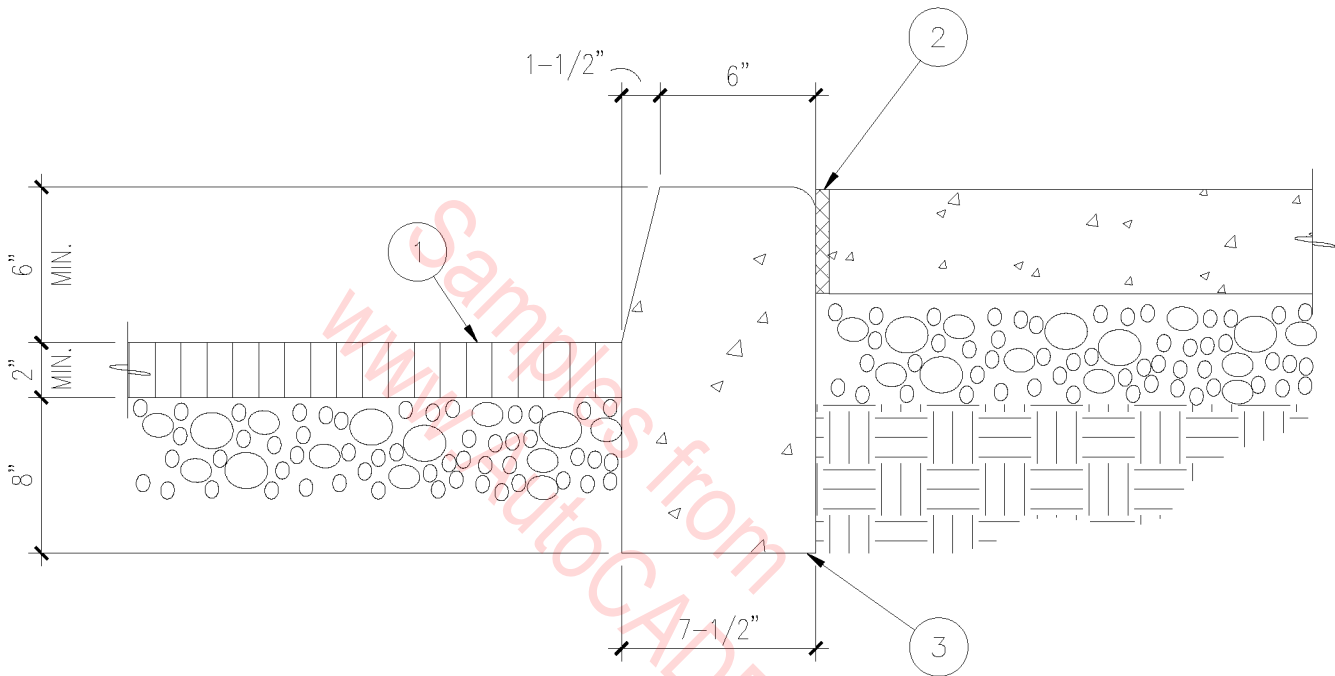
1. WELDED WIRE FABRIC – STOP AT JOINT.
2. KEYED JOINT ALONG EDGE OF Poured STRIP – PAINT WITH CURING COMPOUND BEFORE ADJACENT SLAB IS PLACED TO BREAK BOND.
3. SEE PLAN FOR SLAB THICKNESS AND REINFORCEMENT.

CONSTRUCTION JOINT IN CONCRETE SLAB

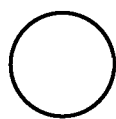


3" = 1'-0"

03B-2025



- 1. ASPHALTIC CONCRETE.
- 2. 3/8" EXPANSION JOINT.
- 3. CONCRETE CURB.

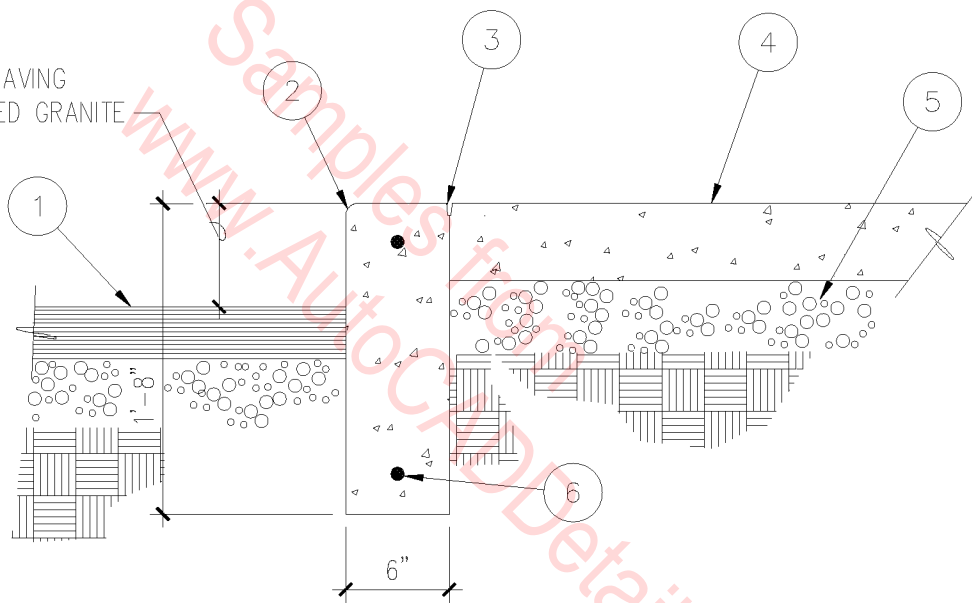


TYPICAL SIDEWALK CURB

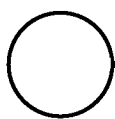
SCALE: 1 1/2" = 1'-0"

03B-3001

6" @ ASPHALT PAVING
2" @ DECOMPOSED GRANITE



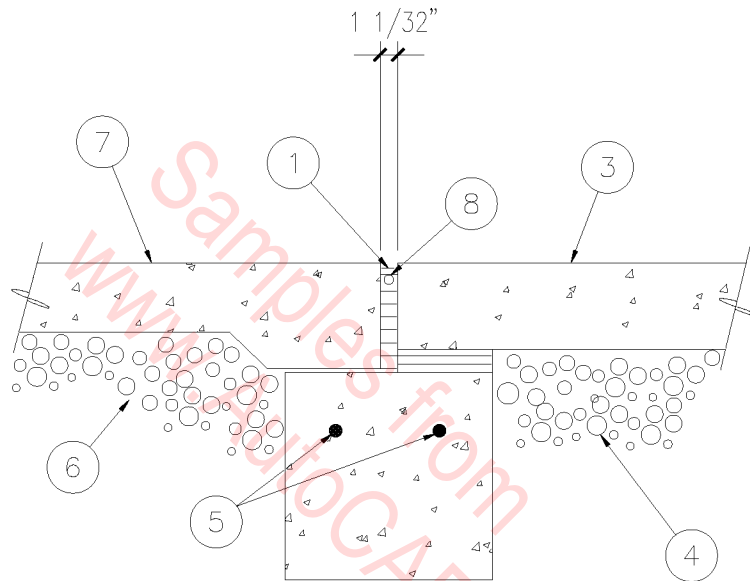
1. ASPHALT OR DECOMPOSED GRANITE ON AGGREGATE BASE COURSE.
2. RADIUS EDGE.
3. TOOLED JOINT.
4. CONCRETE SLAB ON A.B.C.
5. A.B.C.
6. (2) #4 REBARS CONTINUOUS.



SIDEWALK AT PAVING

SCALE: 1" = 1'-0"

03B-3002

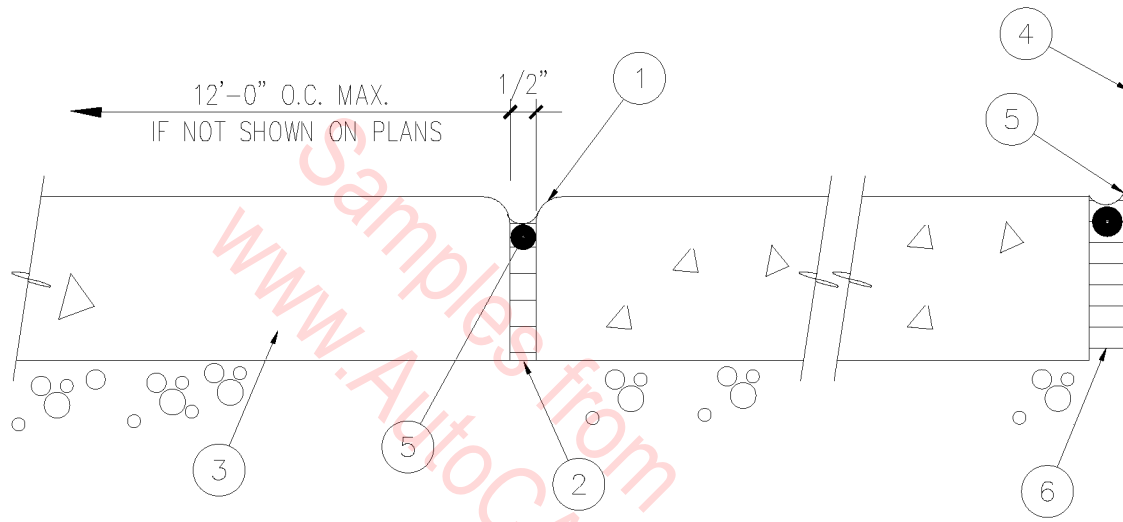


- | | |
|-------------------------|---------------------------------|
| 1. 1" EXPANSION JOINT. | 5. (2) #4 REBARS CONTINUOUS. |
| 2. TWO LAYERS 15# FELT. | 6. A.B.C. |
| 3. 6" CONCRETE SLAB. | 7. CONCRETE SLAB. |
| 4. PREPARED FILL. | 8. BACKER ROD & CAULKING |
| | 9. GRADE BEAM - SEE STRUCTURAL. |

EXPANSION JOINT @ GRADE BEAM

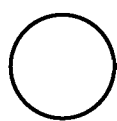
SCALE: 1" = 1'-0"

03B-3003



1. TOOLED 3/4" RADIUS
2. 1/2" EXPANSION JOINT MATERIAL.
3. CONCRETE SLAB ON A.B.C.

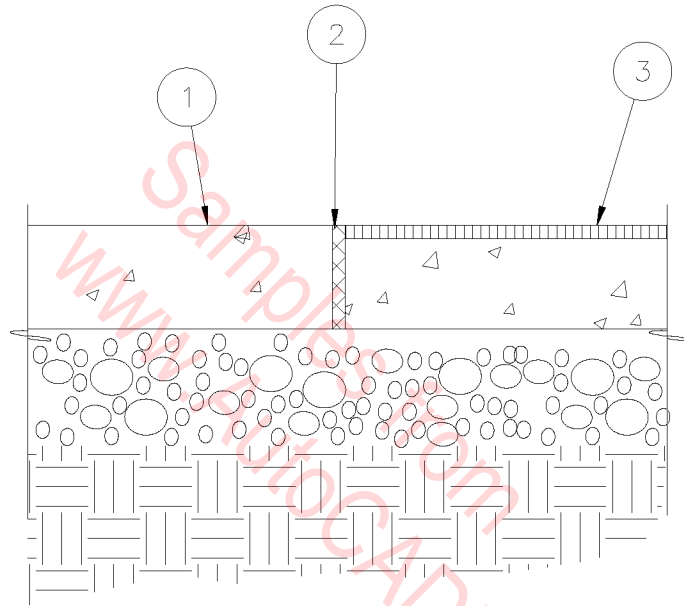
4. FACE OF BUILDING OR OTHER VERTICAL SURFACES.
5. TRAFFIC SEALANT W/ BACKER ROD
6. 1/2" CONTINUOUS EXPANSION JOINT AT FACE OF ALL STRUCTURES.



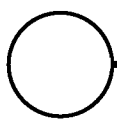
EXPANSION JOINT

SCALE: 3" = 1'-0"

03B-3004



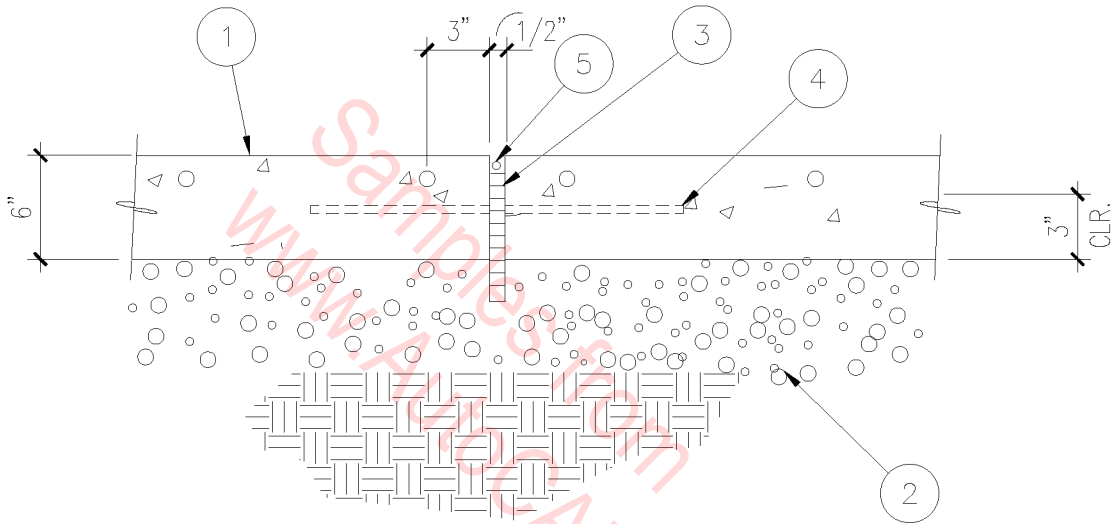
1. 4" CONCRETE ON 4" A.B.C.
2. 1/2" EXPANSION JOINT.
3. TILE ON 4" CONCRETE ON 4" A.B.C.



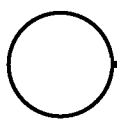
TILE ON CONCRETE

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

03B-3005



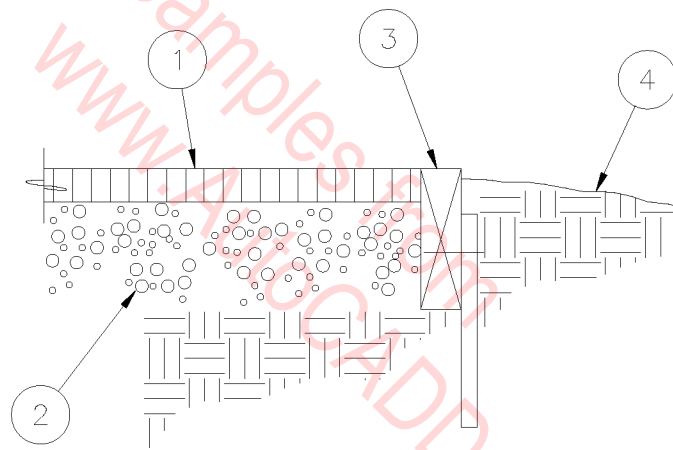
1. CONCRETE SLAB.
2. AGGREGATE BASE COURSE.
3. ASPHALTIC IMPREGNATED EXPANSION JOINT.
WITH BOND BREAKER, TAPE, BACKER ROD,
AND SEALANT.
4. #4 SMOOTH REBARS 2'-0" LONG @ 24" O.C.(GREASE ONE END
LIBERALLY).
5. BACKER ROD AND SEALANT.



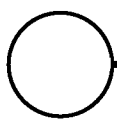
COLD JOINT WITH REINF.

SCALE: 1" = 1'-0"

03B-3006



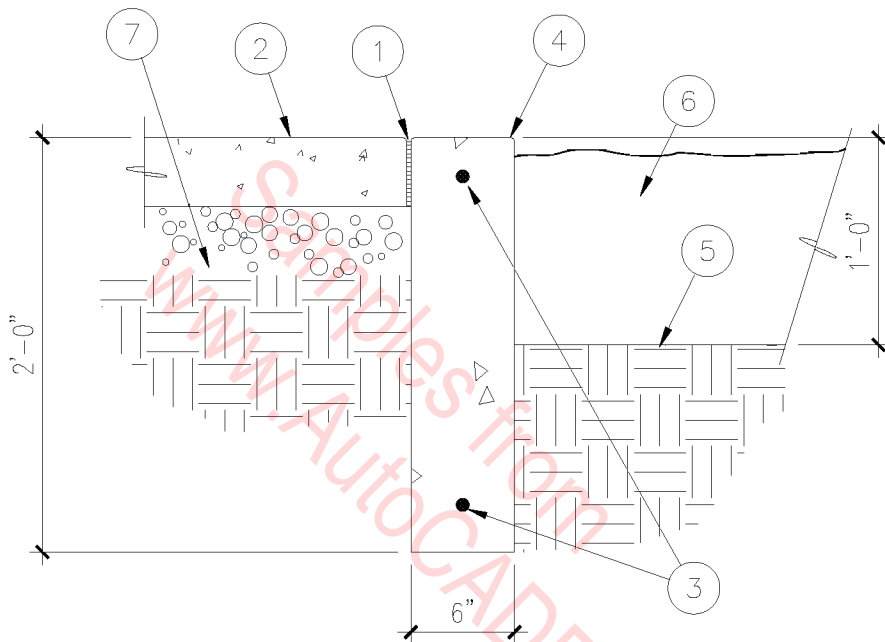
1. 2" ASPHALTIC CONCRETE.
2. 6" A.B.C.
3. 2 X 6 REDWOOD HEADER.
4. FINISH GRADE.



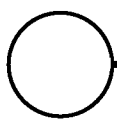
ASPHALT SIDEWALK

1" = 1'-0"

03B-3007



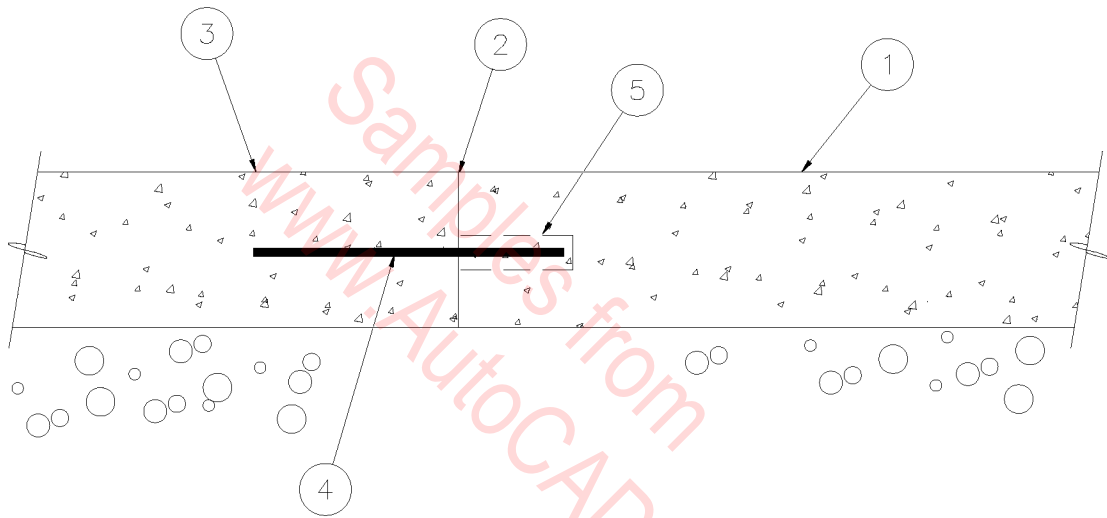
1. TOOLED EDGE.
2. CONCRETE SLAB ON A.B.C.
3. CONCRETE CURB REINFORCEMENT WITH (2) #4 REBARS CONTINUOUS.
4. RADIUS EDGE.
5. FINISH GRADE.
6. SAND.
7. SUB GRADE.



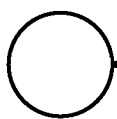
SIDEWALK CURB @ SAND

1" = 1'-0"

03B-3008



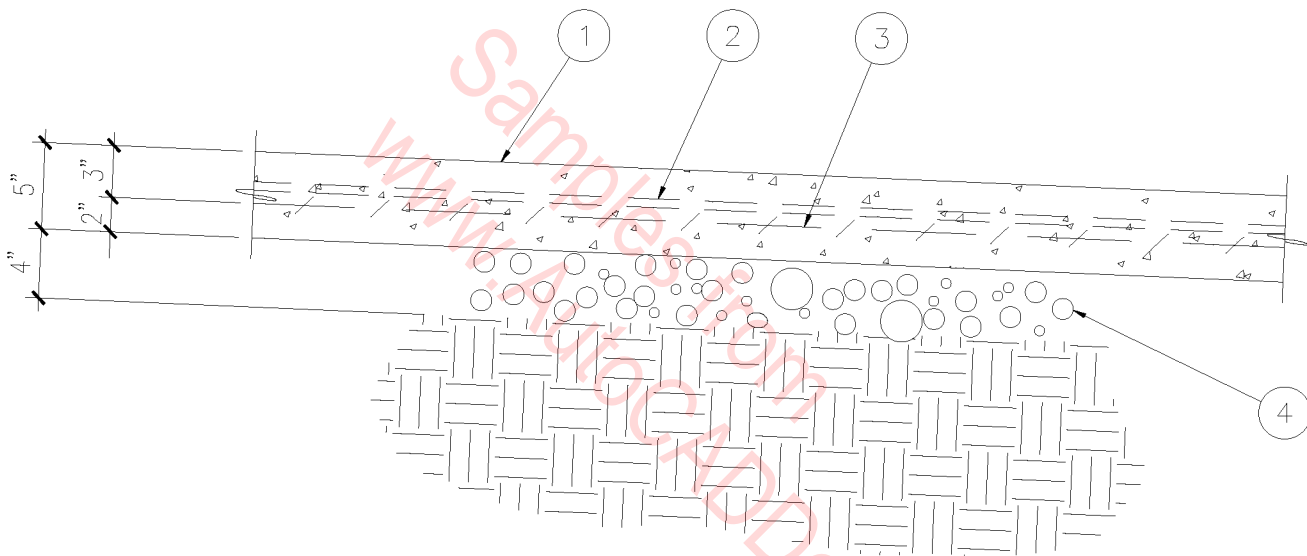
1. EXISTING CONCRETE SLAB.
2. SAW CUT LINE.
3. CONCRETE SLAB ON ABC.
4. #4 REBAR X 18" AT 18" O.C.
5. DRILL AND EPOXY GROUT 6" INTO EXISTING SLAB.



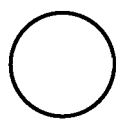
SAW CUT JOINT

SCALE: 3" = 1'-0"

03B-3009



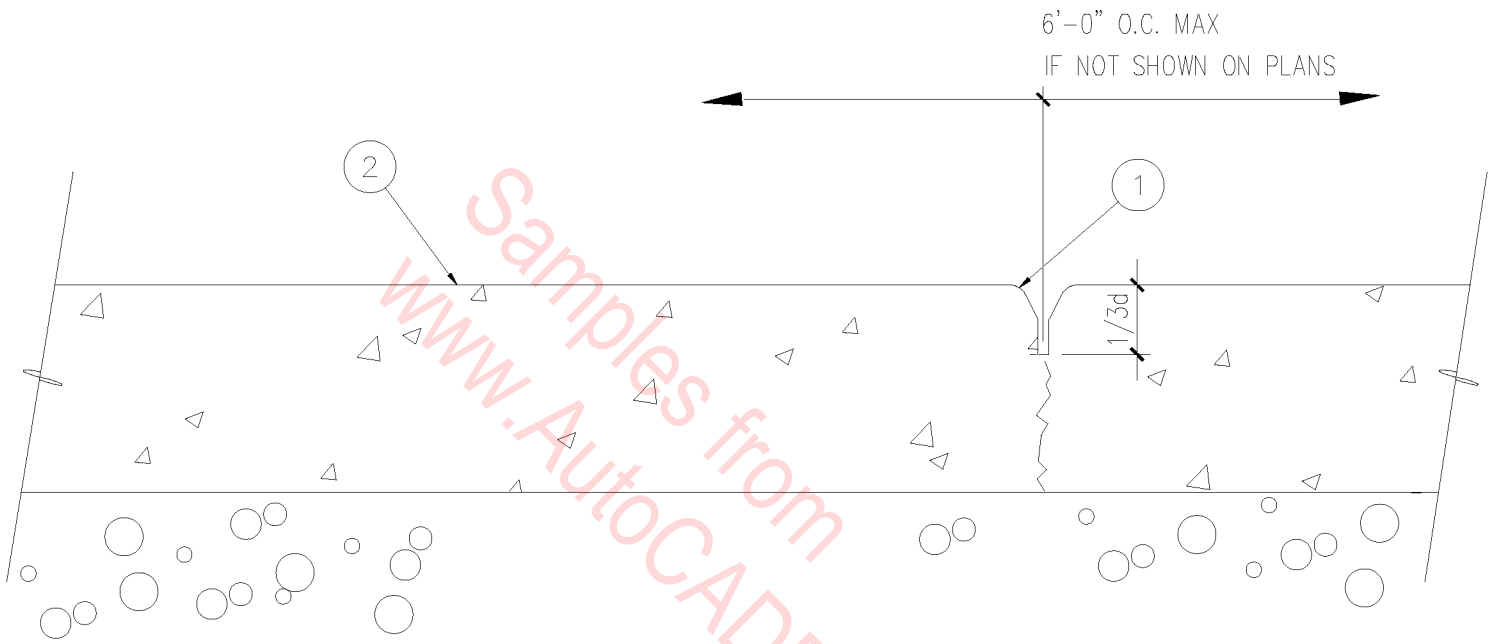
- 1. CONCRETE SLAB - 3000 P.S.I.
- 2. RADIANT HEAT TUBING - SEE MECHANICAL PLAN.
- 3. 6X6X10.10 WELDED WIRE FABRIC.
- 4. COMPACTED A.B.C. FILL.



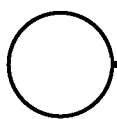
RADIANT HEAT AT RAMP

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

03B-3010



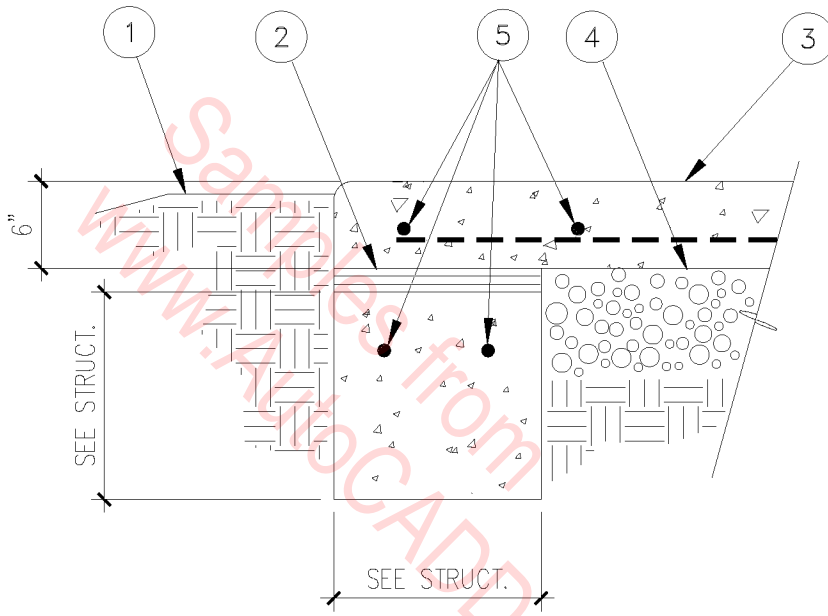
1. TOOLED 3/4" RADIUS.
2. CONCRETE SLAB ON A.B.C.



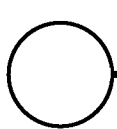
TOOLED CONTROL JOINT

SCALE: 3" = 1'-0"

03B-3011



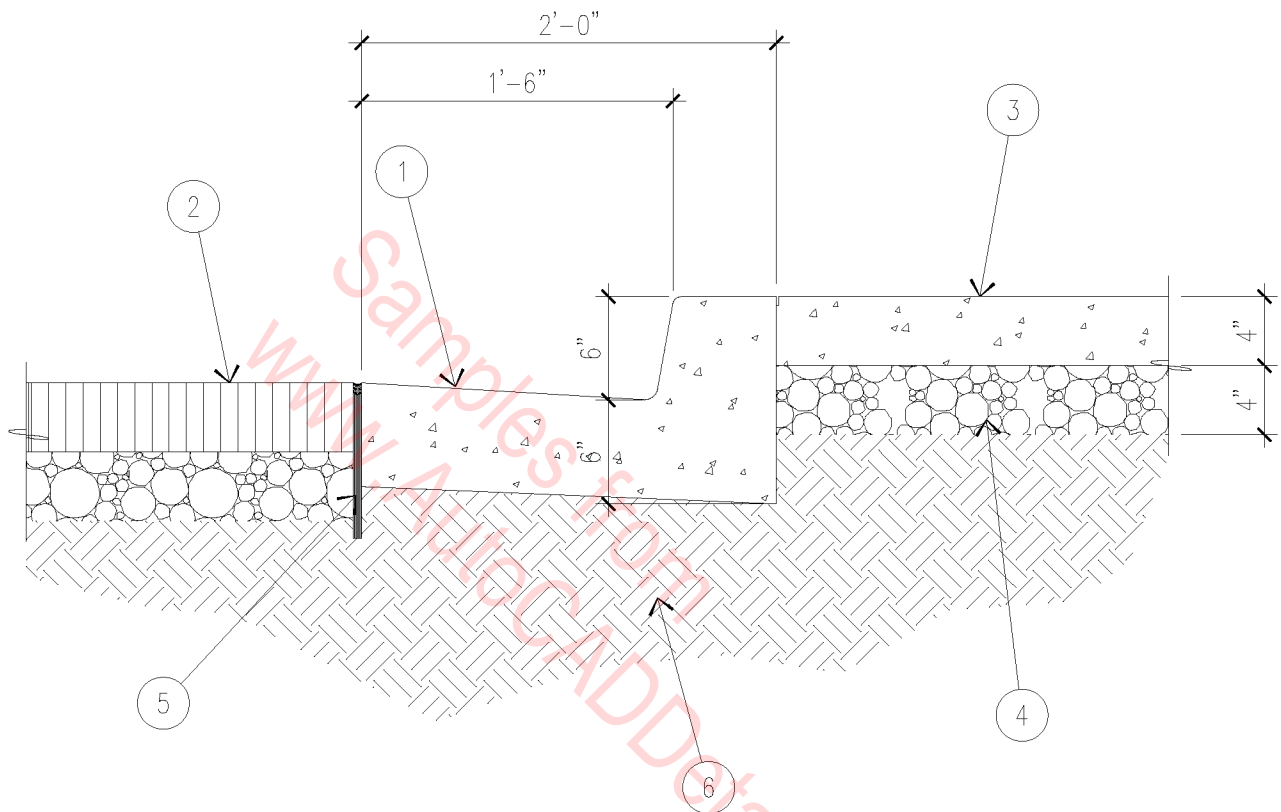
1. FINISH GRADE.
2. TWO LAYERS 15# FELT.
3. 6" CONCRETE SLAB W/ #3 REBARS.
AT 12" O.C. EACH WAY.
4. 4" MIN. PREPARED FILL.
5. (4) #4 REBARS CONTINUOUS.



SIDEWALK @ GRADE BEAM

1" = 1'-0"

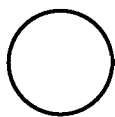
03B-3012



1. CONCRETE CURB AND GUTTER.
2. ASPHALTIC CONCRETE PAVEMENT.
3. 4" CONCRETE SIDEWALK.

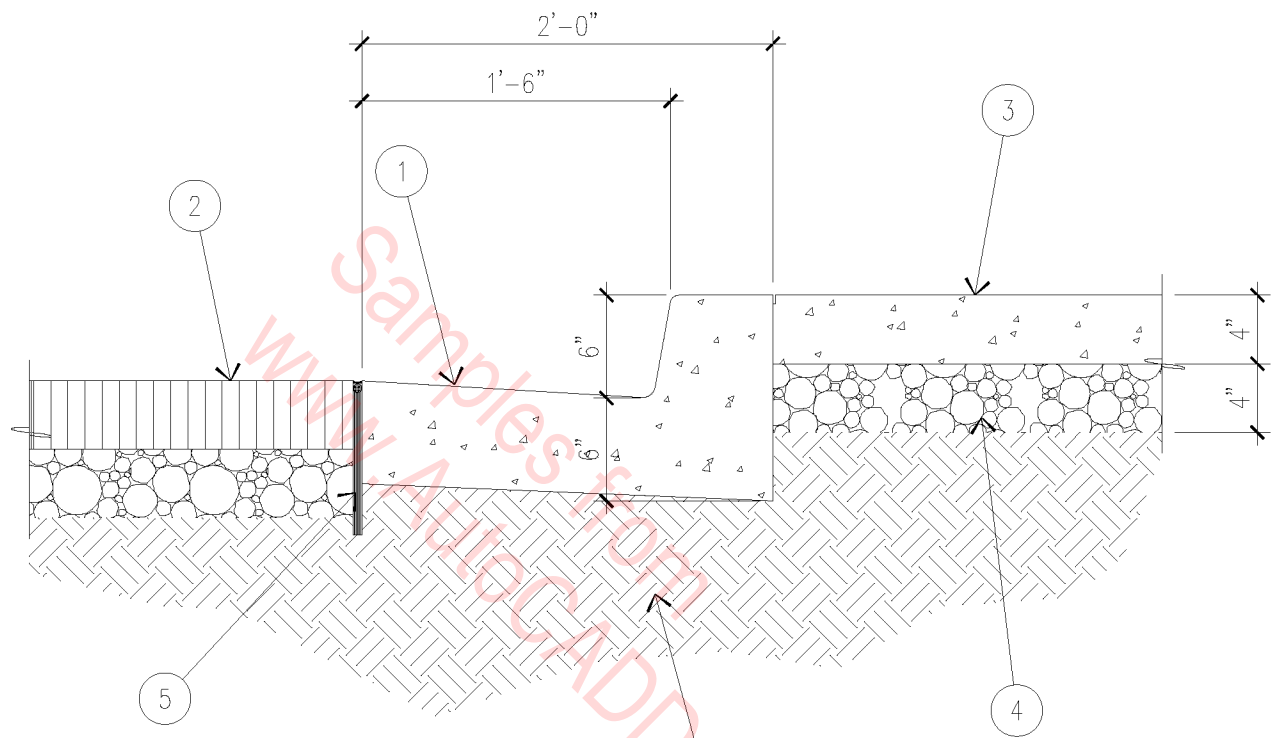
4. 4" ABC COMPACTED TO 95%.
5. EXPANSION JOINT MATERIAL.
6. UNDISTURBED SOIL.

CONCRETE CURB AND GUTTER



1" = 1'-0"

03B-3013

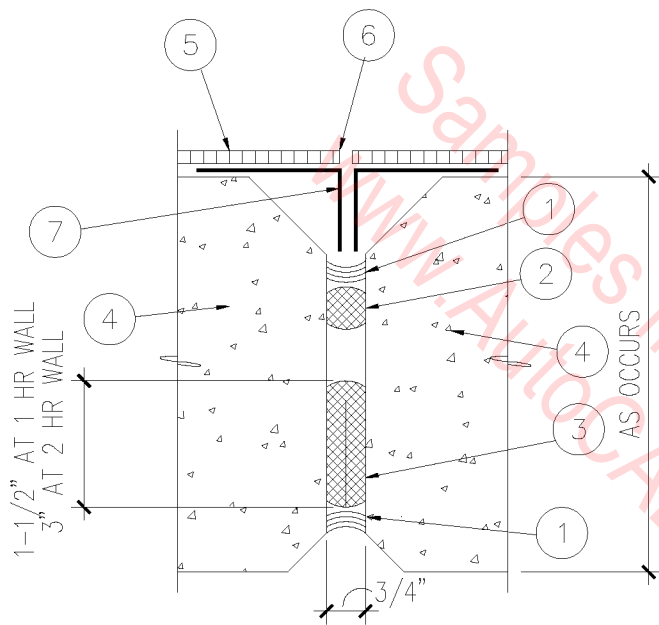


- | | |
|---------------------------------|------------------------------|
| 1. CONCRETE CURB AND GUTTER. | 4. 4" ABC COMPACTED TO 95%. |
| 2. ASPHALTIC CONCRETE PAVEMENT. | 5. EXPANSION JOINT MATERIAL. |
| 3. 4" CONCRETE SIDEWALK. | 6. UNDISTURBED SOIL. |

CONCRETE CURB AND GUTTER

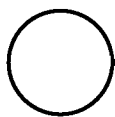
1" = 1'-0"

03B-3013



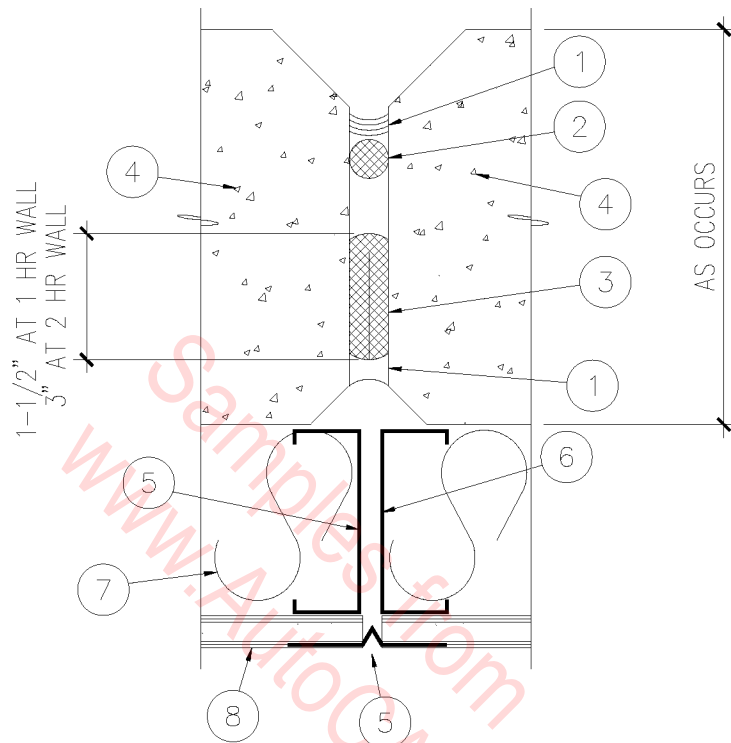
1. FIRE STOPPING SEALANT, 'TREMCO' DYMETRIC, POLYTREMIDYNE TERPOLYMER.
2. JOINT FILLER - POLYETHYLENE CLOSED-CELL FOAM, BY 'DOW CHEMICAL'.
3. 'CERABLANKET-FS' - CERAMIC FIBER BLANKET INSULATION, BY 'JOHNS-MANVILLE'.
4. CONCRETE WALL.
5. CERAMIC TILE ON THIN SET CEMENT MORTAR.
6. SEALANT.
7. METAL LATH CORNER
ICBO EVALUATION REPORT NO. 3198.

CONTROL JOINT @ TILT UP WALL

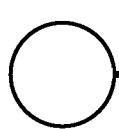


3" = 1'-0"

03D-1001



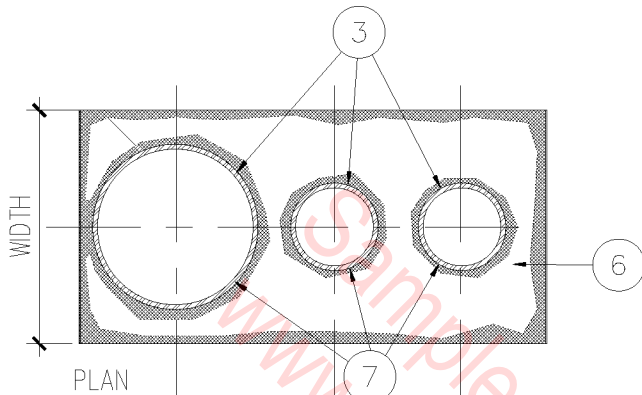
1. FIRE STOPPING SEALANT, 'TREMCO' DYMETRIC, POLYTREMDYNE TERPOLYMER.
2. JOINT FILLER - POLYETHYLENE CLOSED-CELL FOAM, BY 'DOW CHEMICAL'.
3. 'CERABLANKET-FS' - CERAMIC FIBER BLANKET INSULATION, BY 'JOHNS-MANVILLE'.
4. CONCRETE WALL.
5. METAL CONTROL JOINT.
6. METAL STUDS.
7. R-11 BATT INSULATION.
8. 5/8" GYPSUM BOARD.



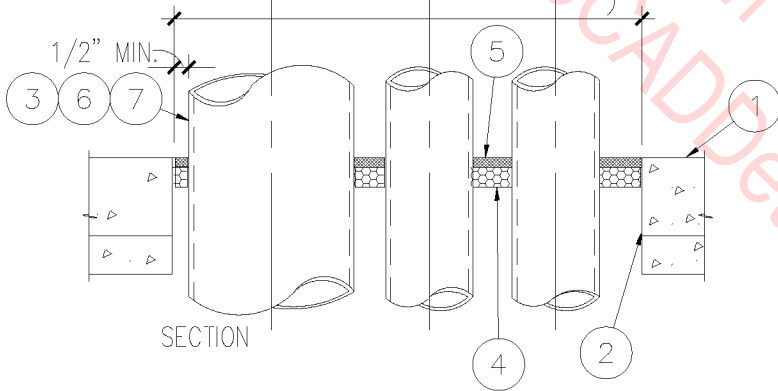
RATED CONTROL JOINT

SCALE: 3" = 1'-0"

03D-1002

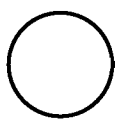


LENGTH = 24" MAX. X WIDTH = 288 SQ INCHES MAX.



1. PRECAST CONCRETE DOUBLE TEE WITH 4" CONCRETE TOPPING
2 HOUR RATED, UL DESIGN NO. J941.
2. FORM SMOOTH OPENING THRU FLOOR WITH CONCRETE TOPPING.
3. 8" DIA STEEL PIPE, SCHEDULE 40, OR SMALLER.
4. FORMING MATERIAL.
5. 1/2" MIN 'TREMCO' FYRE-SHIELD SEALANT.
6. A MAXIMUM OF THREE PENETRATING ITEMS MAY BE INSTALLED WITHIN THE OPENING. OF THE THREE PENETRATING ITEMS, ONLY ONE OF THE PIPES CAN HAVE A DIAMETER GREATER THAN 4".
7. 4" DIA COPPER PIPE OR SMALLER.

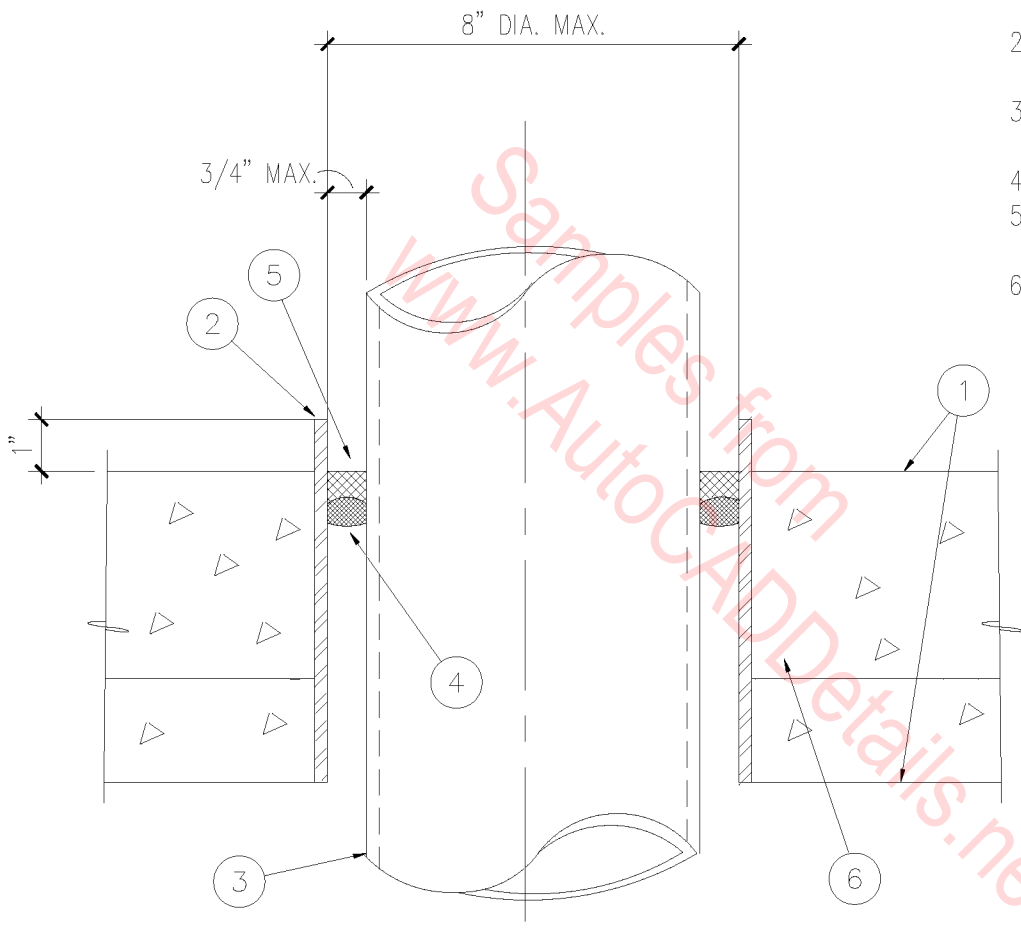
ASTM-E814 (UL 1479) AND
UL THROUGH-PENETRATION FIRESTOP SYSTEMS (XHEZ) SYSTEM NO. 326



2 HR PIPE PENETRATION

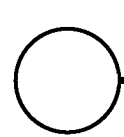
SCALE: 1" = 1'-0"

03D-1003



1. PRECAST CONCRETE DOUBLE TEE WITH 4" CONCRETE TOPPING UL DESIGN NO. J941.
2. STEEL PIPE SLEEVE SCHEDULE 40.
3. 6" DIA (MAX) STEEL PIPE OR CONDUIT.
4. POLYURETHANE BACKER ROD.
5. 1/2" MIN 'TREMCO' FYRE-SHIELD SEALANT.
6. ENCASE SLEEVE IN CONCRETE.

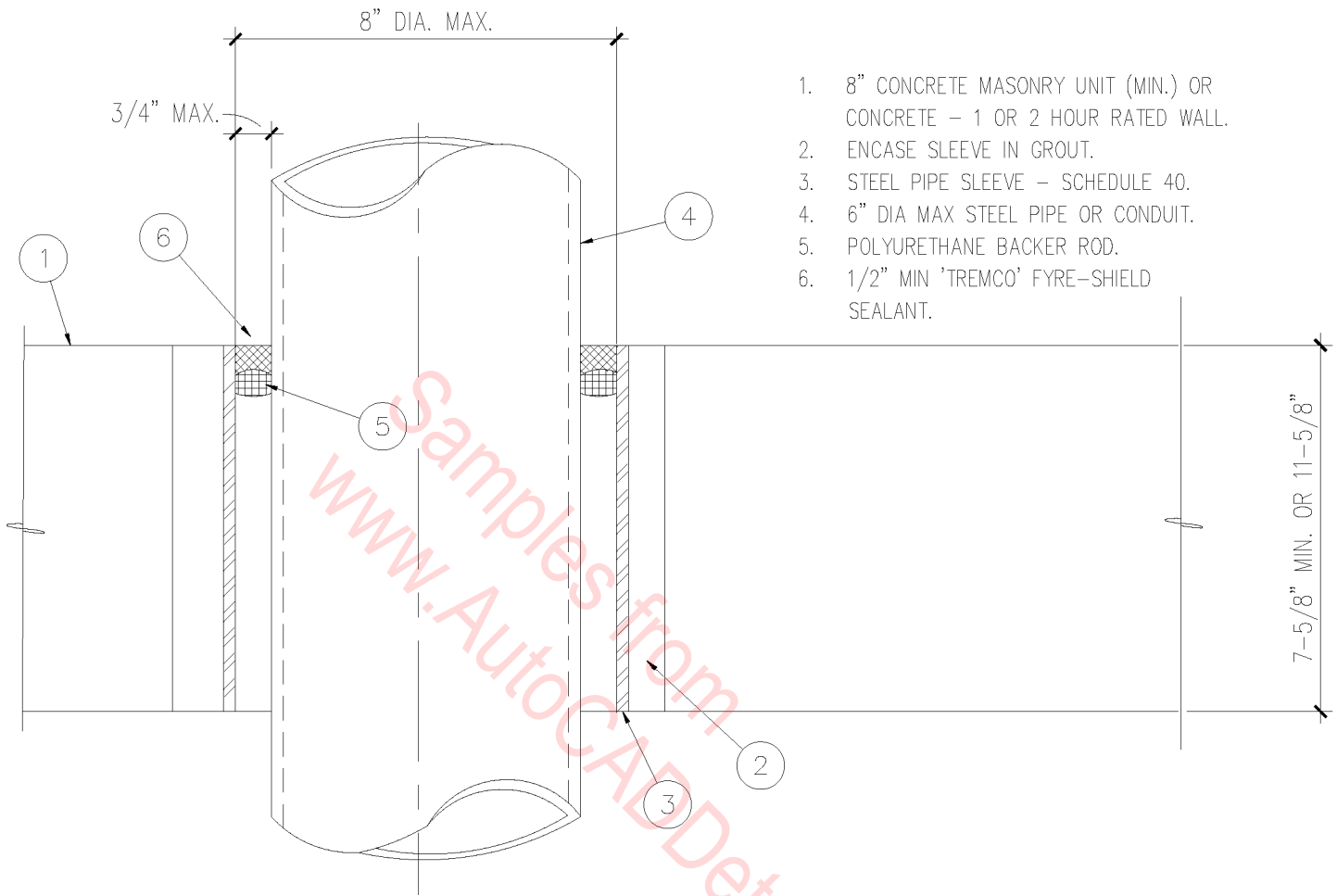
ASTM-E814 (UL1479) AND
 UL THROUGH-PENETRATION FIRESTOP SYSTEMS (XHEZ) SYSTEM NO. 208



2 HR FLOOR PENETRATION

SCALE: 3" = 1'-0"

03D-1004



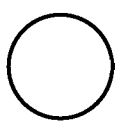
1. 8" CONCRETE MASONRY UNIT (MIN.) OR CONCRETE - 1 OR 2 HOUR RATED WALL.
2. ENCASE SLEEVE IN GROUT.
3. STEEL PIPE SLEEVE - SCHEDULE 40.
4. 6" DIA MAX STEEL PIPE OR CONDUIT.
5. POLYURETHANE BACKER ROD.
6. 1/2" MIN 'TREMCO' FYRE-SHIELD SEALANT.

ASTM-E814 (UL 1479) AND
 UL THROUGH-PENETRATION FIRESTOP SYSTEMS (XHEZ) SYSTEM NO. 208

FIRE-RESISTIVE CONSTRUCTION

GENERAL NOTE:

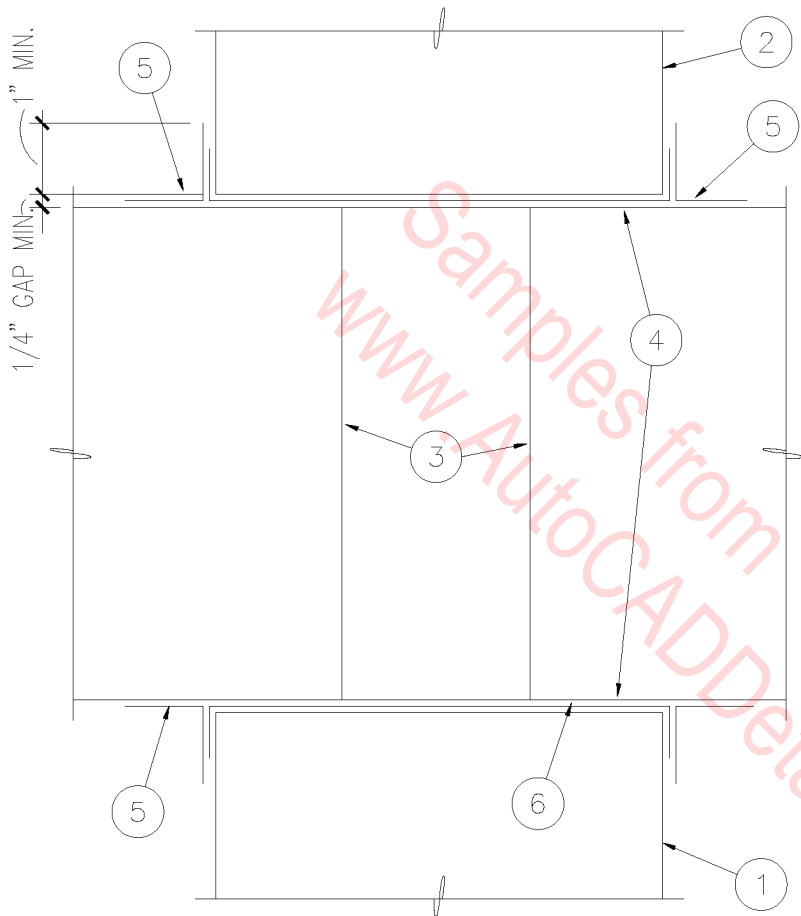
ALL PENETRATIONS OF FIRE-RESISTANT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAILS THAT CONFORM TO UNDERWRITERS LABORATORIES LISTINGS FOR "THROUGH-PENETRATION FIRE STOP SYSTEMS". THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS, FURNISHED BY THE MANUFACTURER OF THE FIRE STOP MATERIAL, WHICH SHOW COMPLETE CONFORMANCE TO THE UL LISTING TO THE ARCHITECT, AND SUCH DRAWINGS SHALL BE AVAILABLE TO THE LOCAL BUILDING INSPECTORS. THE DRAWINGS SHALL BE SPECIFIC FOR EACH PENETRATION, WITH ALL VARIABLES DEFINED.



PIPE PENETRATION

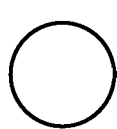
SCALE: 3" = 1'-0"

03D-1005



1. RATED MASONRY WALL OR CONCRETE WALL ONE OR TWO HOURS, SEE PLAN FOR LOCATION.
2. MASONRY OR CONCRETE LINTEL WHERE APPLICABLE.
3. FIRE OR LEAKAGE (SMOKE) DAMPER. SEE MECHANICAL FOR TYPE AND LOCATION.
4. DAMPER SLEEVE SHALL NOT EXTEND MORE THAN 6" BEYOND THE FIRE WALL AND NOT MORE THAN 9" ON THE OPERATOR/ACTUATOR SIDE.
5. ANGLE 1-1/2" X 1-1/2" X 14 GAGE.
6. 20 GA. G. I. SLEEVE.

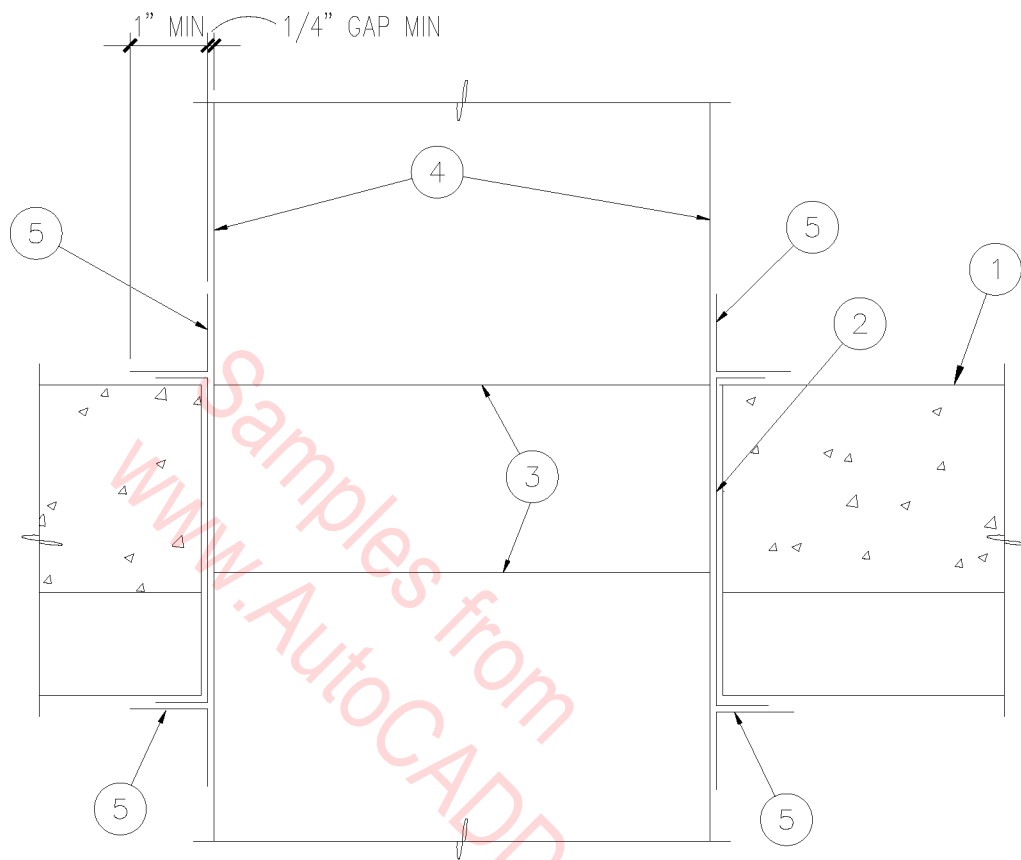
UL SAFETY STANDARD 555 AND NFPA 90A



1 & 2 HR. PENETRATION

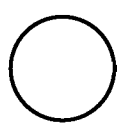
3" = 1'-0"

03D-1006



UL SAFETY STANDARD 555 AND NFPA 90A

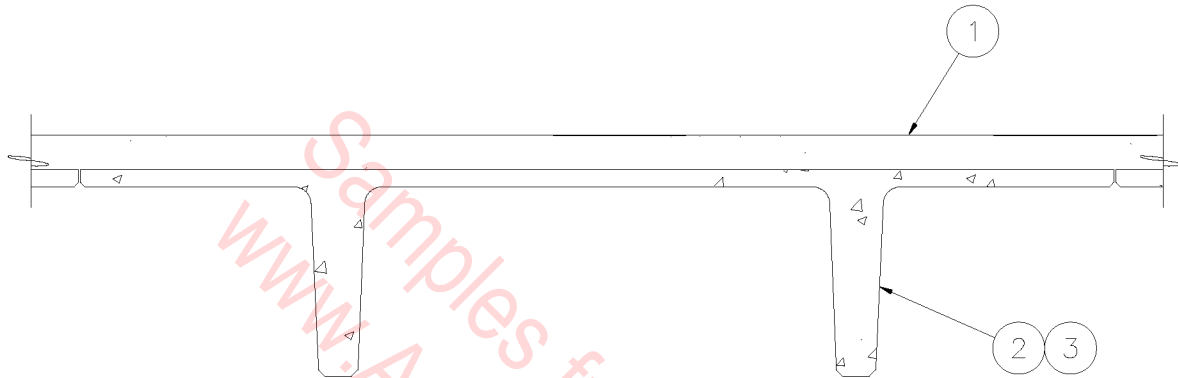
1. PRECAST CONCRETE DOUBLE TEE WITH 4" CONCRETE TOPPING, UL DESIGN NO. J941.
2. 20 GA. G.I. SLEEVE THRU FLOOR.
3. FIRE DAMPER, SEE MECHANICAL FOR TYPE AND LOCATION.
4. DAMPER SLEEVE SHALL NOT EXTEND MORE THAN 6" BEYOND THE FIRE WALL OR FLOOR AND NOT MORE THAN 9" ON THE OPERATOR/ACTUATOR SIDE.
5. ANGLE 1-1/2" X 1-1/2" X 14 GAGE.



FLOOR PENETRATION

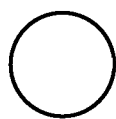
3" = 1'-0"

03D-1007



NOTE: UL DESIGN NO. J941

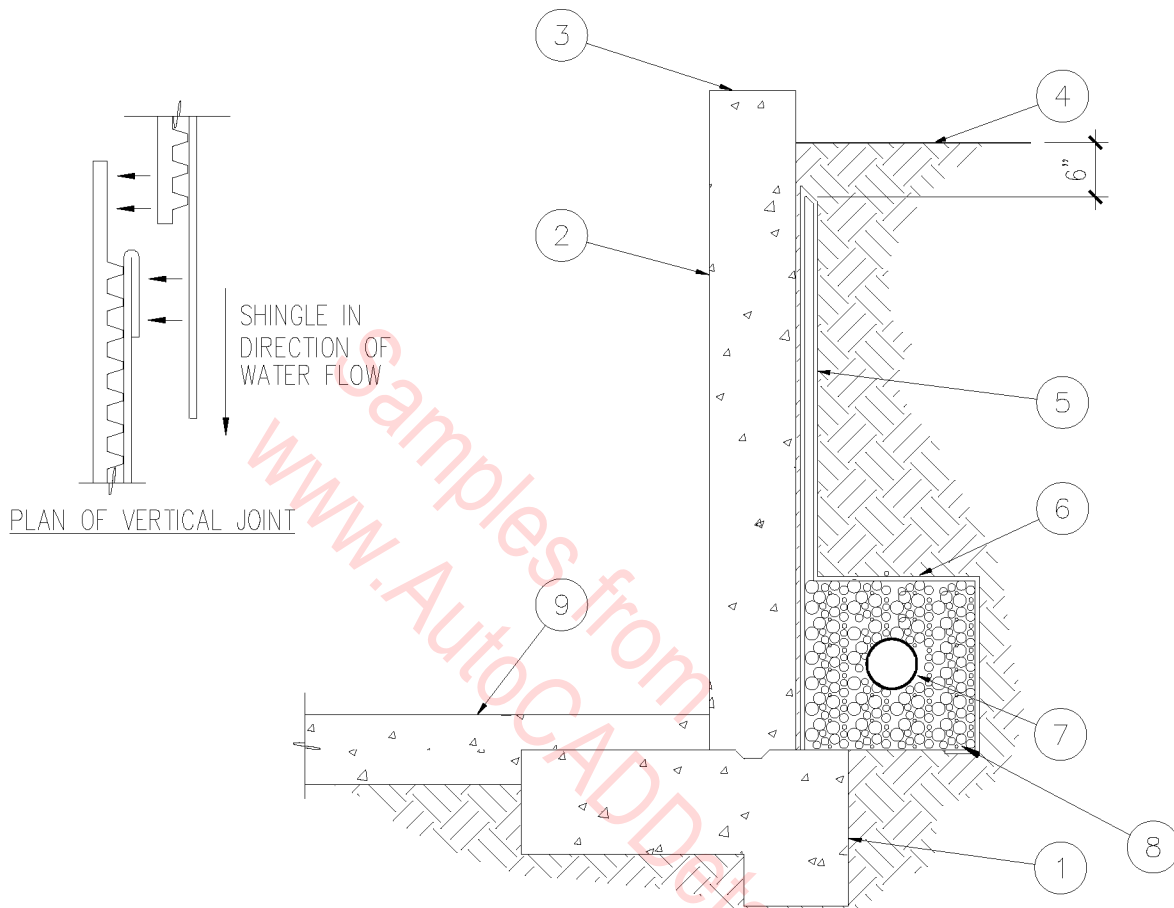
1. 4" CONCRETE TOPPING, 3,000 PSI COMPRESSIBLE STRENGTH.
2. PRECAST CONCRETE UNITS, NOMINAL 10' WIDE DOUBLE TEE.
3. MINIMUM BEARING 3".



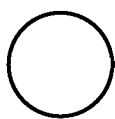
2 HOUR FLOOR SLAB

3" = 1'-0"

03D-1008



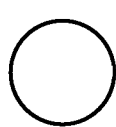
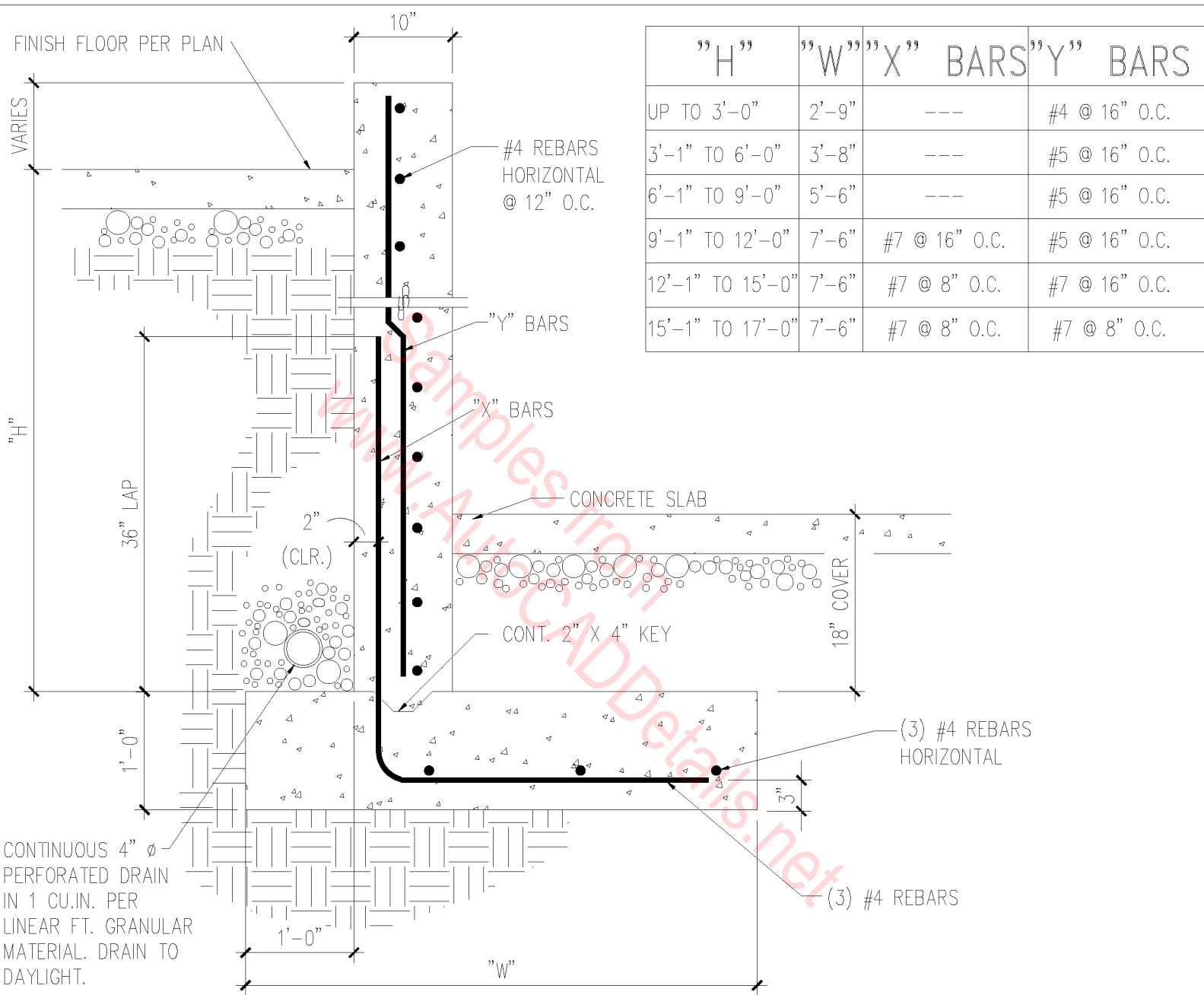
1. FOOTING PER PLANS.
2. SEE PLANS FOR MATERIAL.
3. SEE PLANS FOR TOP WALL DETAIL.
4. FINISH GRADE.
5. MIRADRAIN WATER PROOFING SYSTEM.
6. MIRADRAIN FABRIC.
7. PERFORATED DRAIN PIPE.
8. 12 X 12 CONTINUOUS GRAVEL BACKFILL.
10. SLAB.



BASEMENT WALL

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

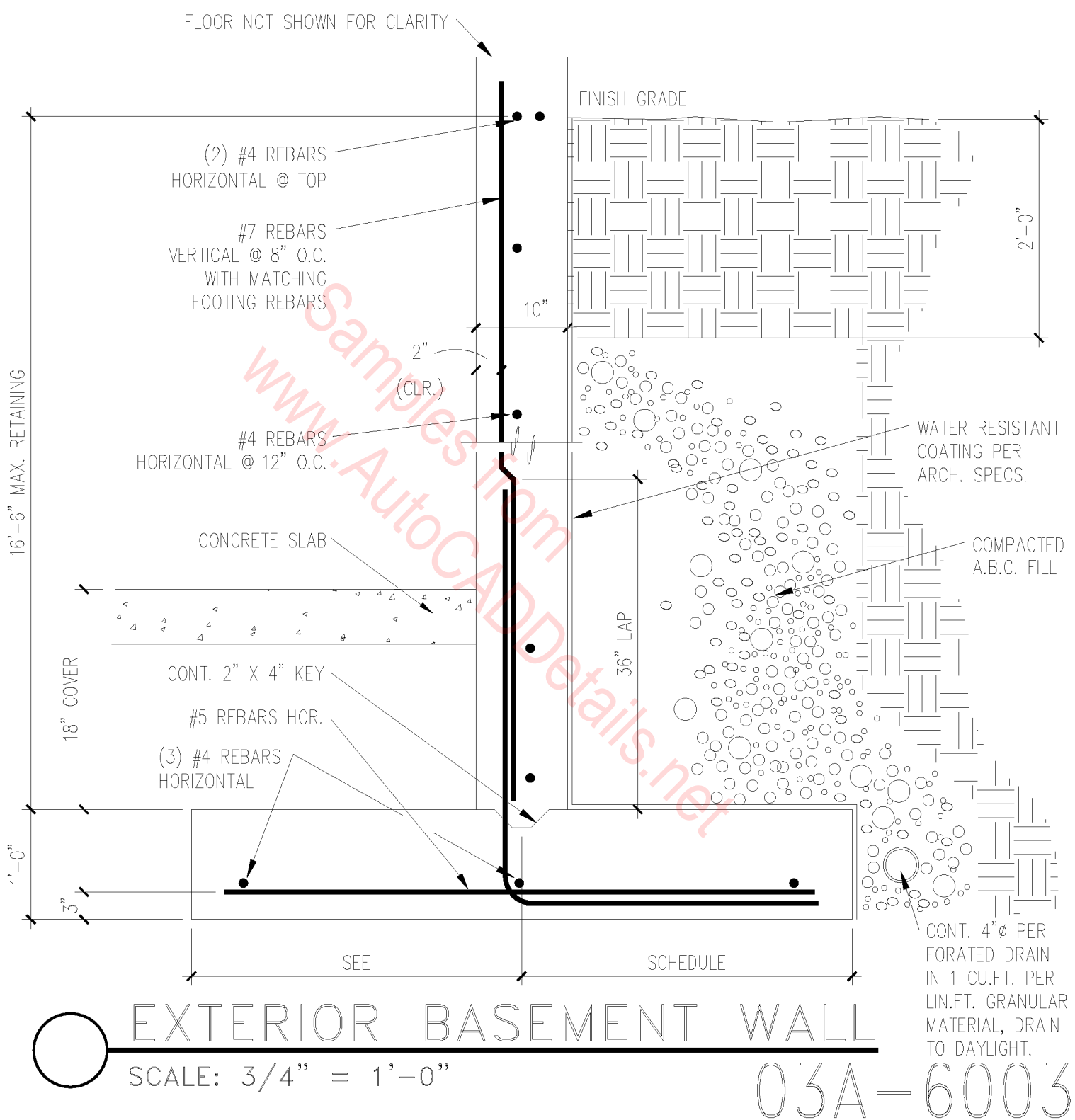
03A-6001



C.I.P. RETAINING WALL

3/4" = 1'-0"

03A-6002



EXTERIOR BASEMENT WALL

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

03A-6003

FLOOR NOT SHOWN FOR CLARITY

FINISH GRADE

(2) #4 REBARS
HORIZONTAL @ TOP

#7 REBARS
VERTICAL @ 8" O.C.
WITH MATCHING
FOOTING REBARS

#4 REBARS
HORIZONTAL @ 12" O.C.

CONCRETE SLAB

CONT. 2" X 4" KEY

#5 REBARS HOR.

(3) #4 REBARS
HORIZONTAL

2"
(CLR.)

10"

36" LAP

WATER RESISTANT
COATING PER
ARCH. SPECS.

COMPACTED
A.B.C. FILL

CONT. 4"Ø PER-
FORATED DRAIN
IN 1 CU.FT. PER
LIN.FT. GRANULAR
MATERIAL, DRAIN
TO DAYLIGHT.

16'-6" MAX. RETAINING

2'-0"

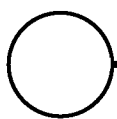
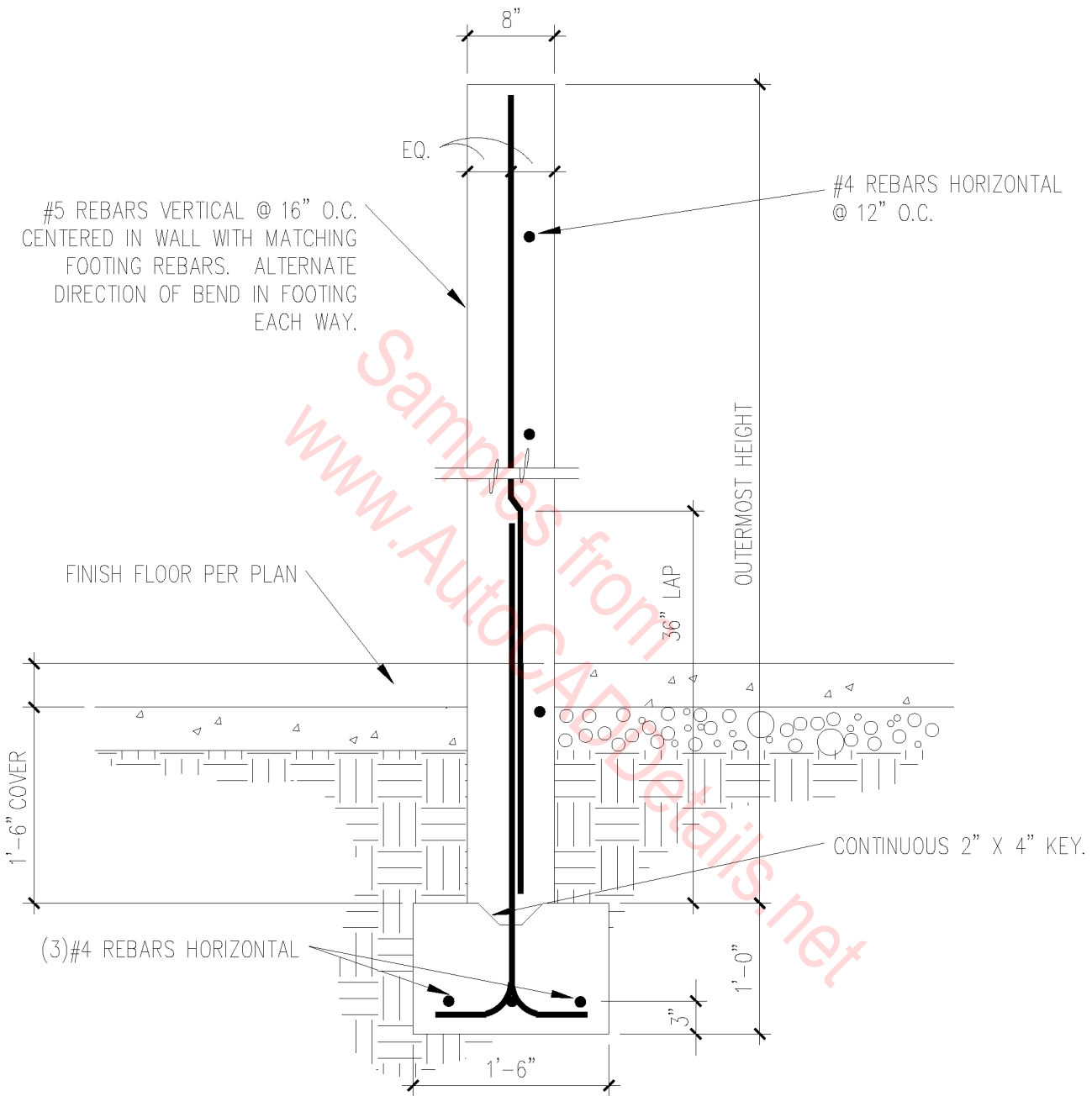
18" COVER

1'-0"

3"

SEE

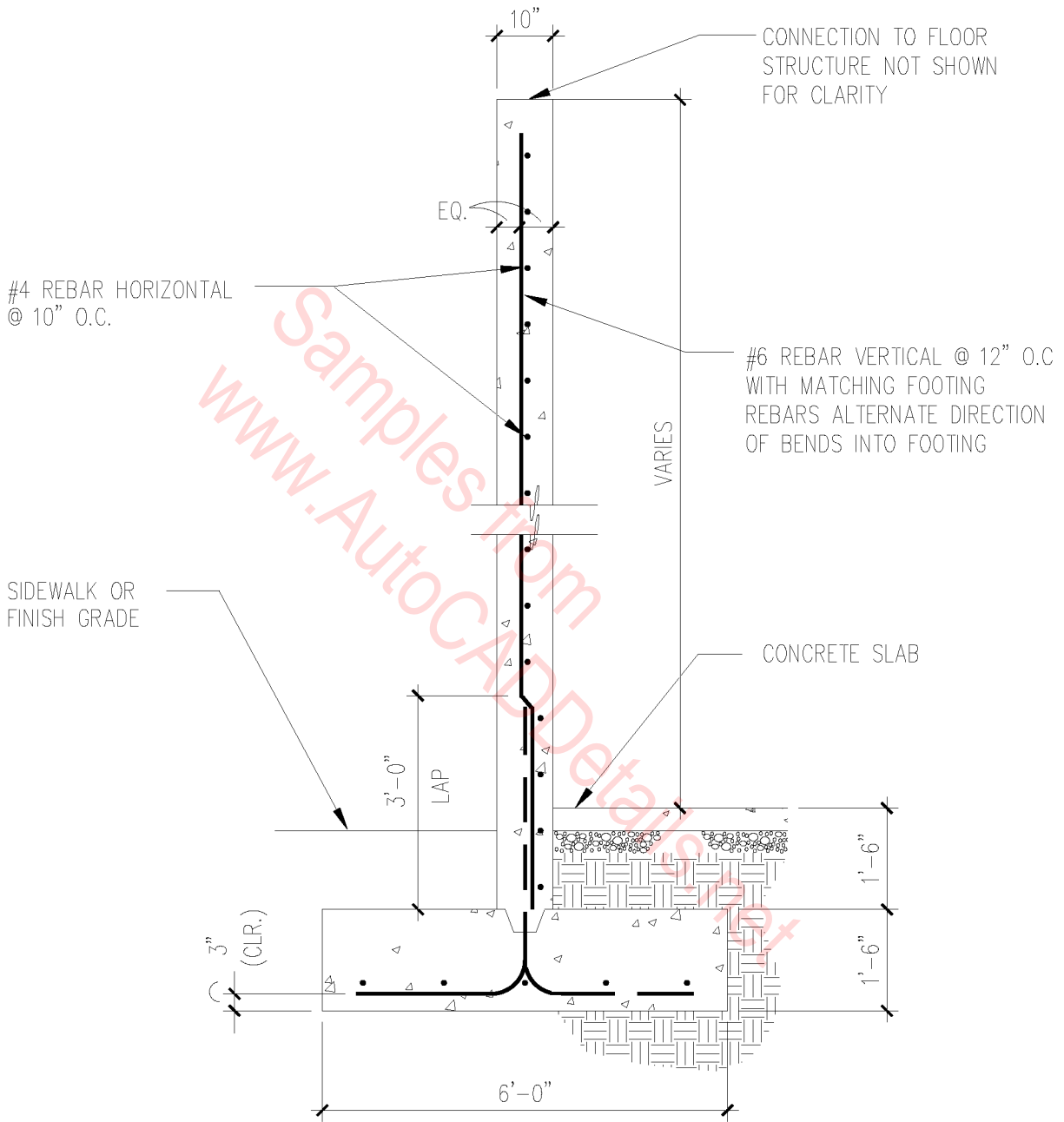
SCHEDULE



BASEMENT WALL

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

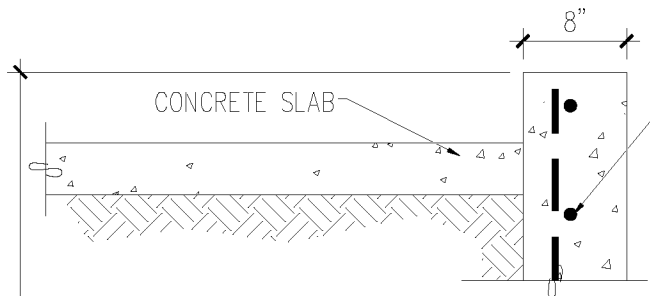
03A-6004



BASEMENT SHEAR WALL

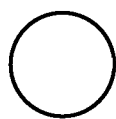
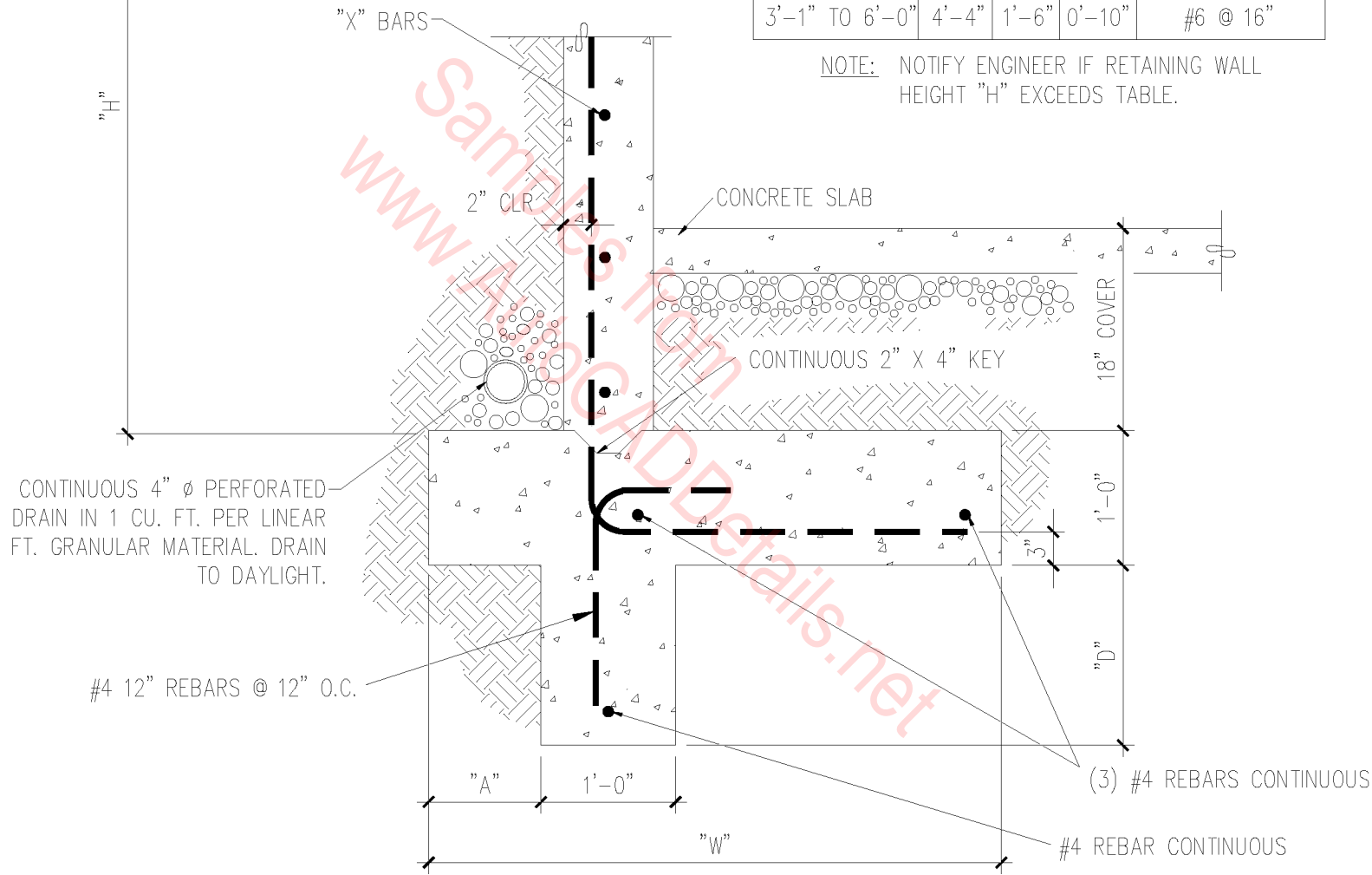
SCALE: 3/8" = 1'-0"

03A-6005



"H"	"W"	"D"	"A"	"X" BARS
UP TO 3'-0"	2'-8"	1'-0"	0'-10"	#5 @ 16"
3'-1" TO 6'-0"	4'-4"	1'-6"	0'-10"	#6 @ 16"

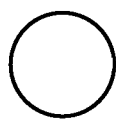
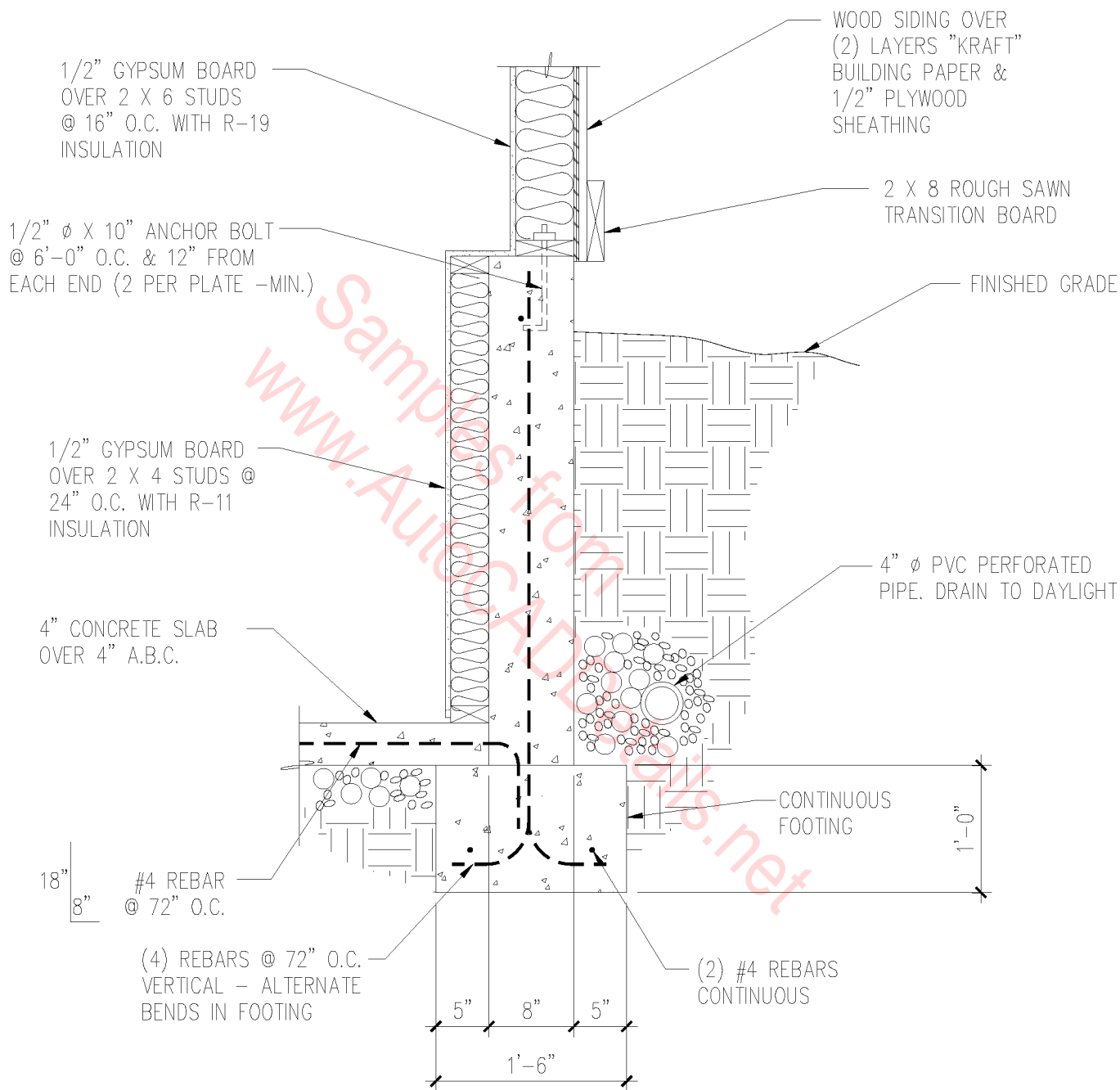
NOTE: NOTIFY ENGINEER IF RETAINING WALL HEIGHT "H" EXCEEDS TABLE.



RETAINING WALL

3/4" = 1'-0"

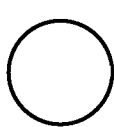
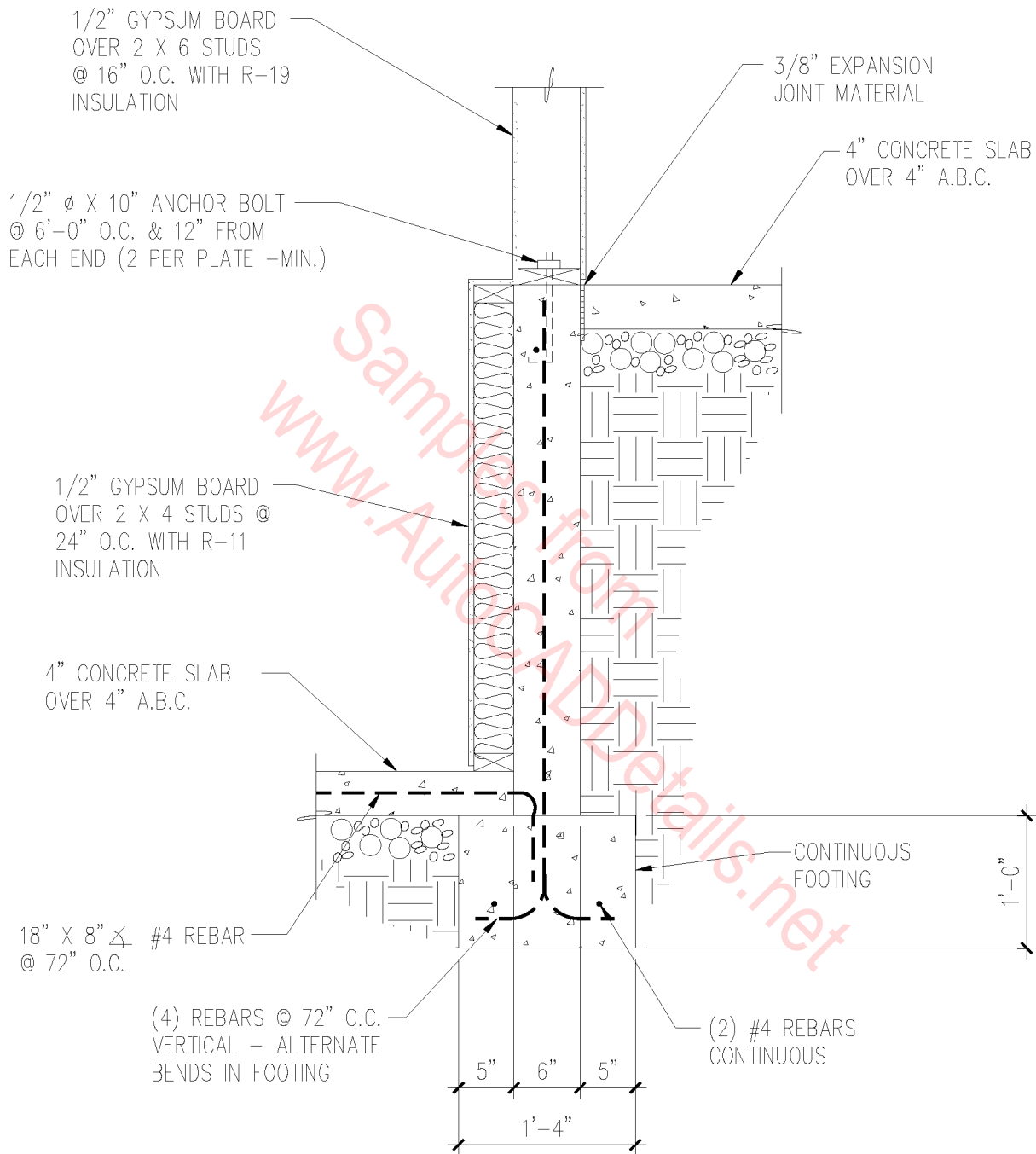
03A-6006



BASEMENT FOOTING

3/4" = 1'-0"

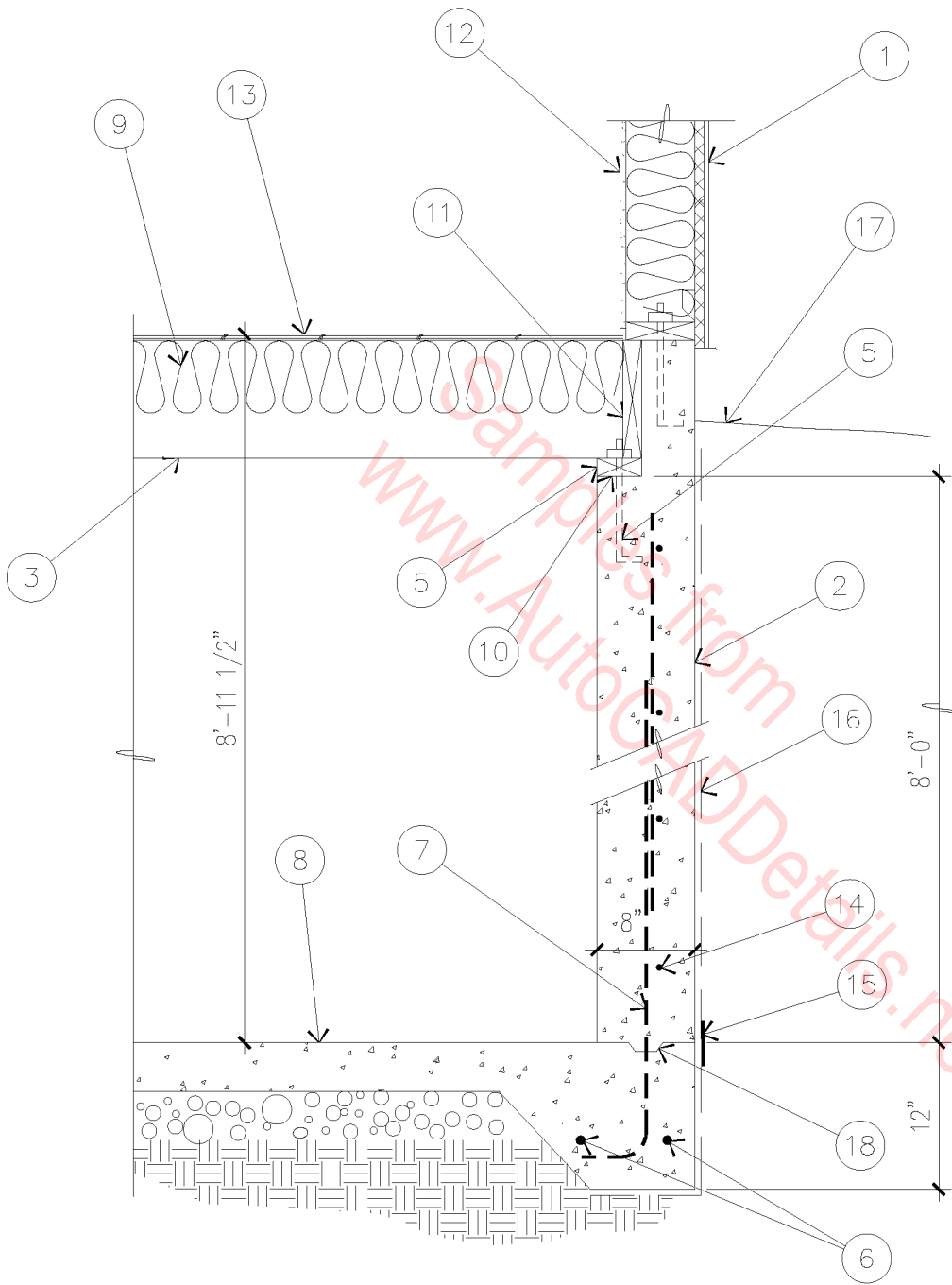
03A-6007



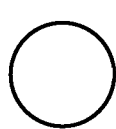
BASEMENT FOOTING

3/4" = 1'-0"

03A-6008



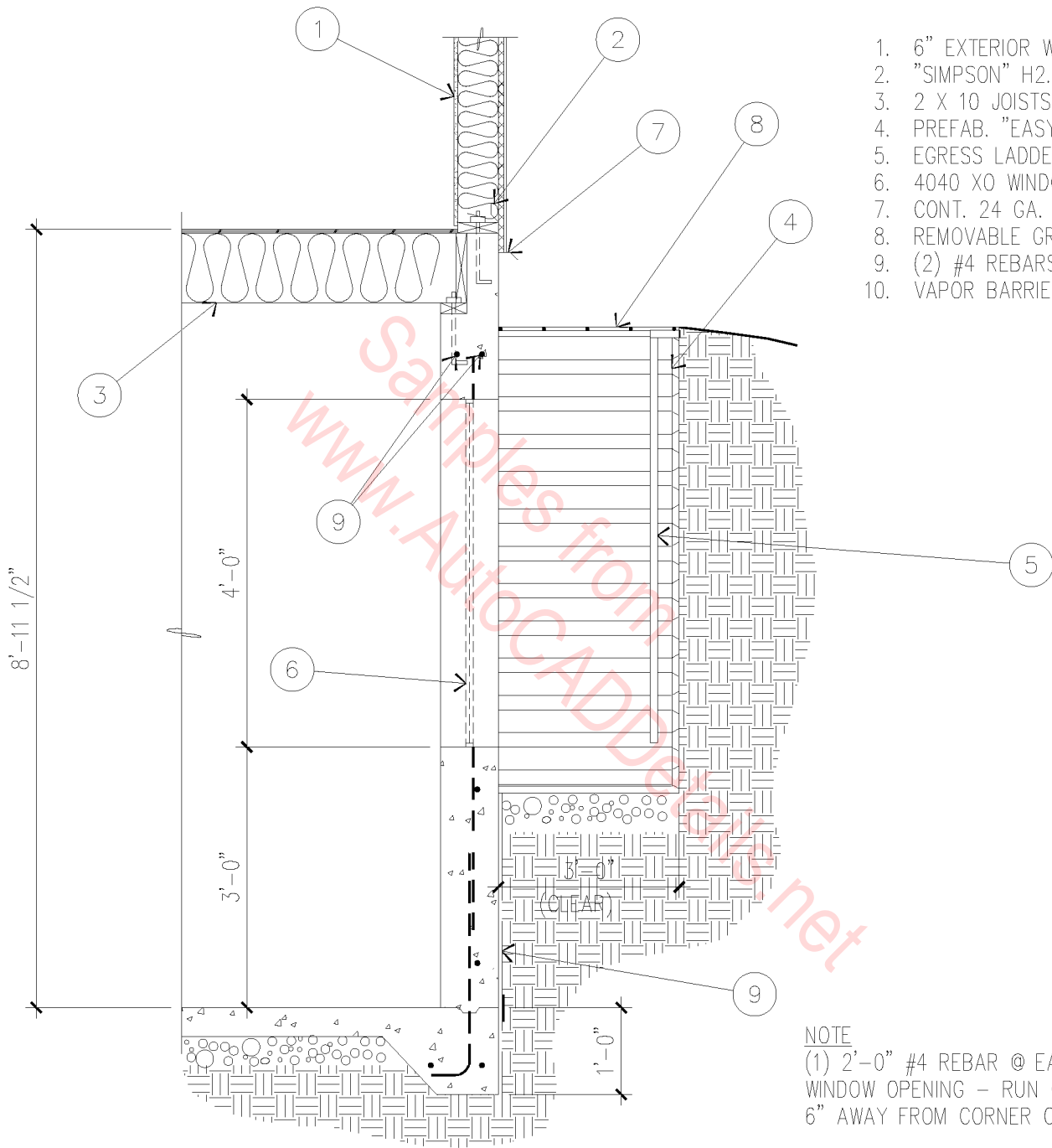
1. 6" EXTERIOR WALL ASSEMBLY.
2. 8" CAST IN PLACE CONCRETE BASEMENT WALL.
3. 2 X 10 JOISTS @ 16" O.C.
4. CONTINUOUS 2 X 4 SILL PLATE.
5. 1/2" X 10" ANCHOR BOLTS @ 6'-0" O.C.
6. (2) #4 REBARS CONTINUOUS.
7. #4 VERTICAL REBAR @ 24" O.C. DOWELED TO FOOTING.
8. 4" CONCRETE SLAB OVER 4" A.B.C.
9. R-19 INSULATION.
10. STEEL SHIMS AS REQUIRED FOR EQUAL FINISH FLOOR HEIGHT.
11. 2 X 10 CONTINUOUS WOOD BLOCKING.
12. 1/2" GYPSUM BOARD.
13. 3/4" T & G PLYWOOD FLOORING.
14. #4 REBARS HORIZONTAL @ 24" O.C.
15. CONTINUOUS X 4" - 24 GA. GAL-VANIZED WATER STOP.
16. VAPOR BARRIER.
17. FINISH GRADE.
18. 2 X 4 KEY.



BASEMENT WALL

3/4" = 1'-0"

03A-6009

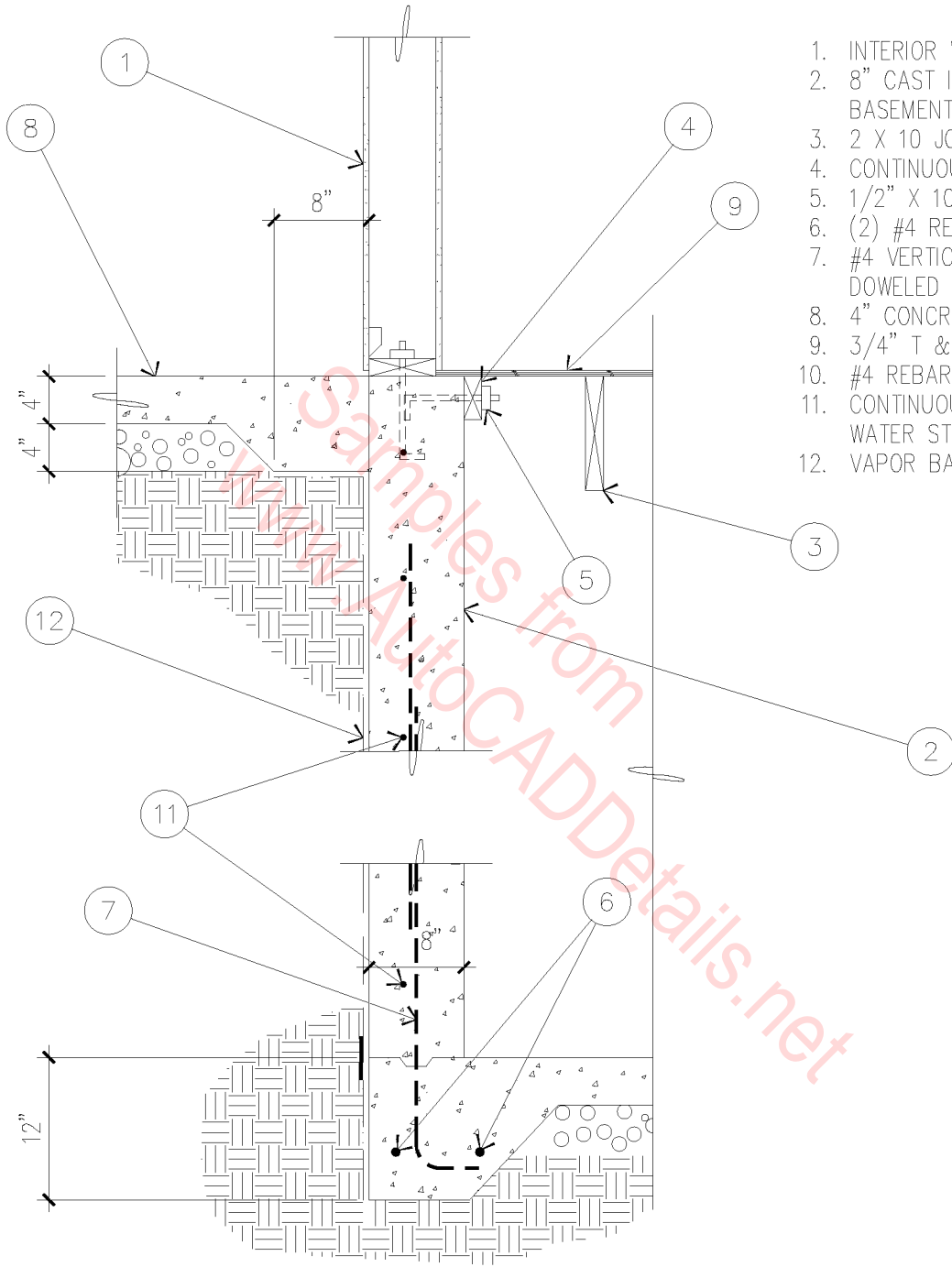


1. 6" EXTERIOR WALL ASSEMBLY.
2. "SIMPSON" H2.5 TIE.
3. 2 X 10 JOISTS @ 16" O.C.
4. PREFAB. "EASY-WELL".
5. EGRESS LADDER.
6. 4040 XO WINDOW.
7. CONT. 24 GA. G.I. WEEP SCREED.
8. REMOVABLE GRATE.
9. (2) #4 REBARS CONTINUOUS.
10. VAPOR BARRIER.

NOTE
 (1) 2'-0" #4 REBAR @ EACH
 WINDOW OPENING - RUN @ 45°
 6" AWAY FROM CORNER OF OPENING

○ BASEMENT WALL
 1/2" = 1'-0"

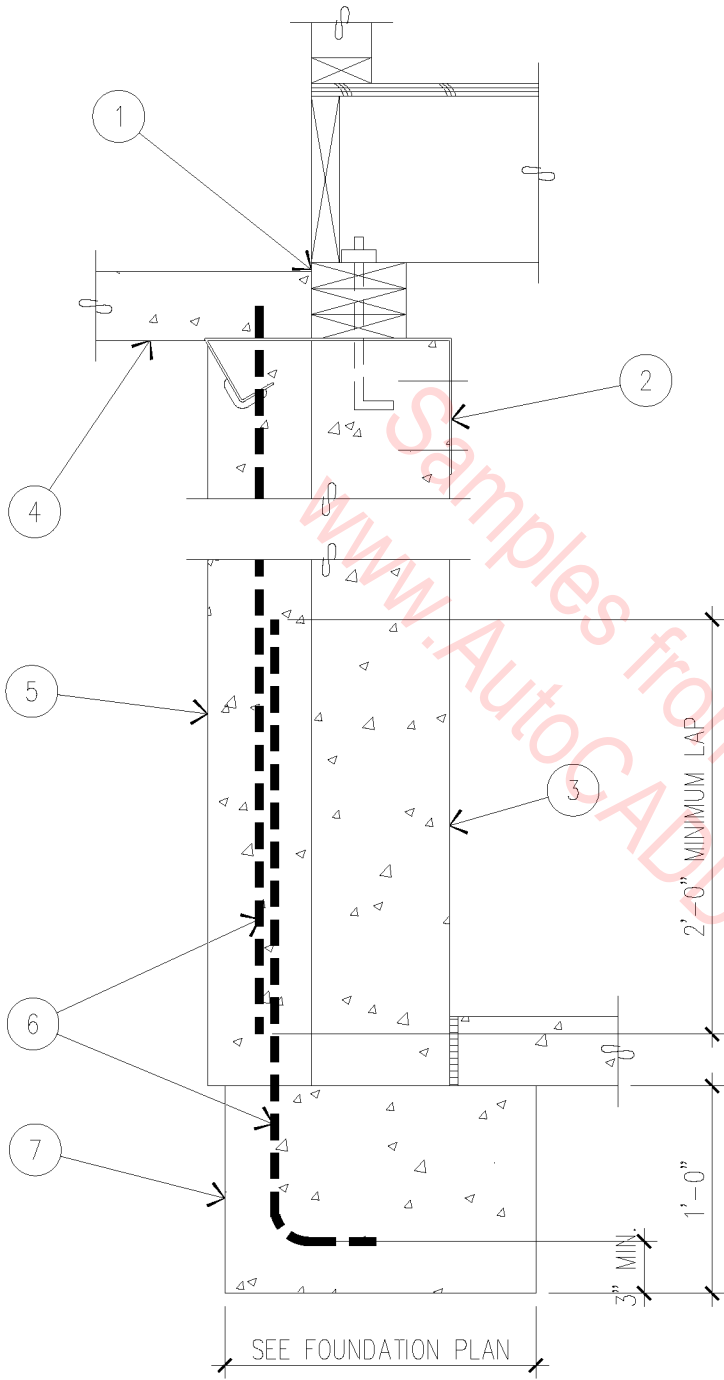
03A-6010



1. INTERIOR WALL.
2. 8" CAST IN PLACE CONCRETE BASEMENT WALL.
3. 2 X 10 JOISTS @ 16" O.C.
4. CONTINUOUS 2 X 4 LEDGER.
5. 1/2" X 10" ANCHOR BOLTS @ 6'-0" O.C.
6. (2) #4 REBARS CONTINUOUS.
7. #4 VERTICAL REBAR @ 24" O.C. DOWELED TO FOOTING.
8. 4" CONCRETE SLAB OVER 4" A.B.C.
9. 3/4" T & G PLYWOOD FLOORING.
10. #4 REBARS HORIZONTAL @ 24" O.C.
11. CONTINUOUS X 4" - 24ga. GALVANIZED WATER STOP.
12. VAPOR BARRIER.

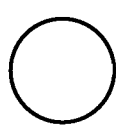
○ BASEMENT WALL
 3/4" = 1'-0"

03A-6011



1. VAPOR BARRIER.
2. HOLDOWN STRAP TO SECURE SONATUBE TO FOUNDATION WALL.
3. STEM WALL – SEE FOUNDATION PLAN.
4. CONCRETE PORCH – SEE FOUNDATION PLAN
5. 6" SONATUBE.
6. (1) #4 VERTICAL.
7. CONCRETE FOOTING.

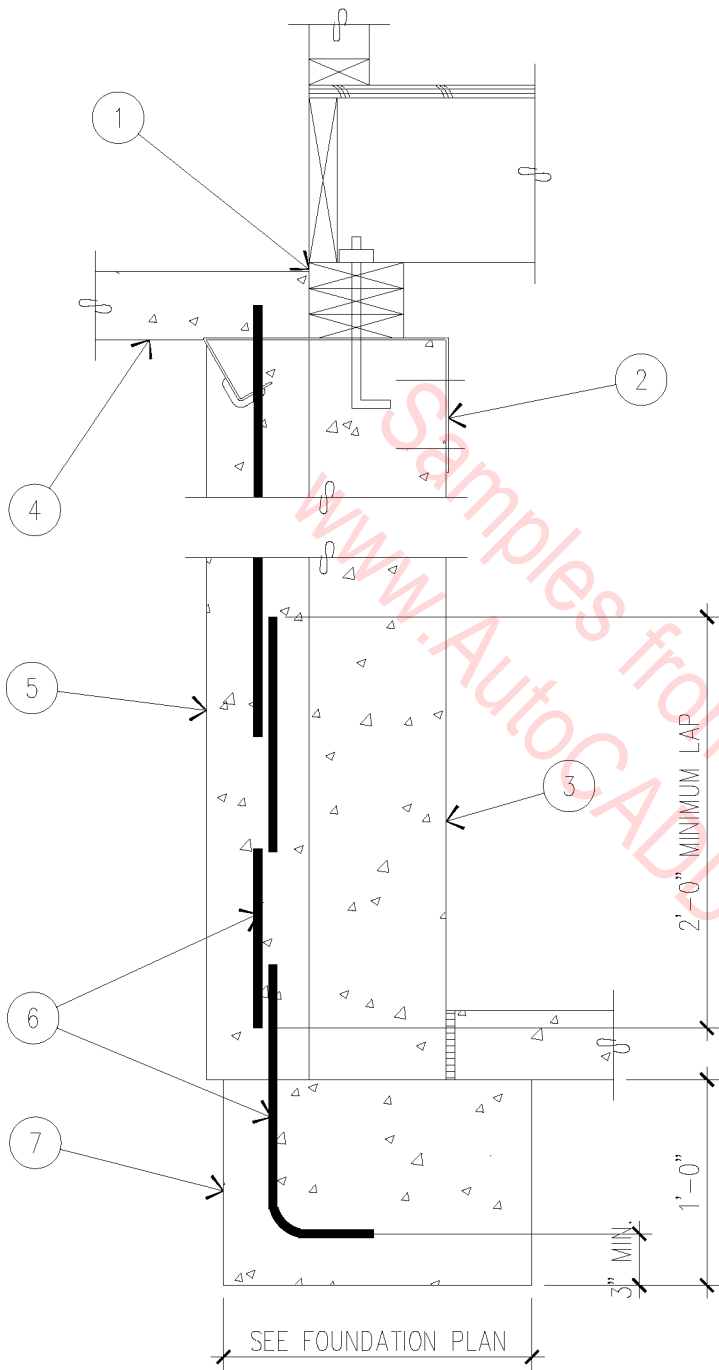
www.AutocADDetails.net



SONATUBE INSTALLATION

1" = 1'-0"

03A-6012

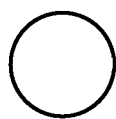
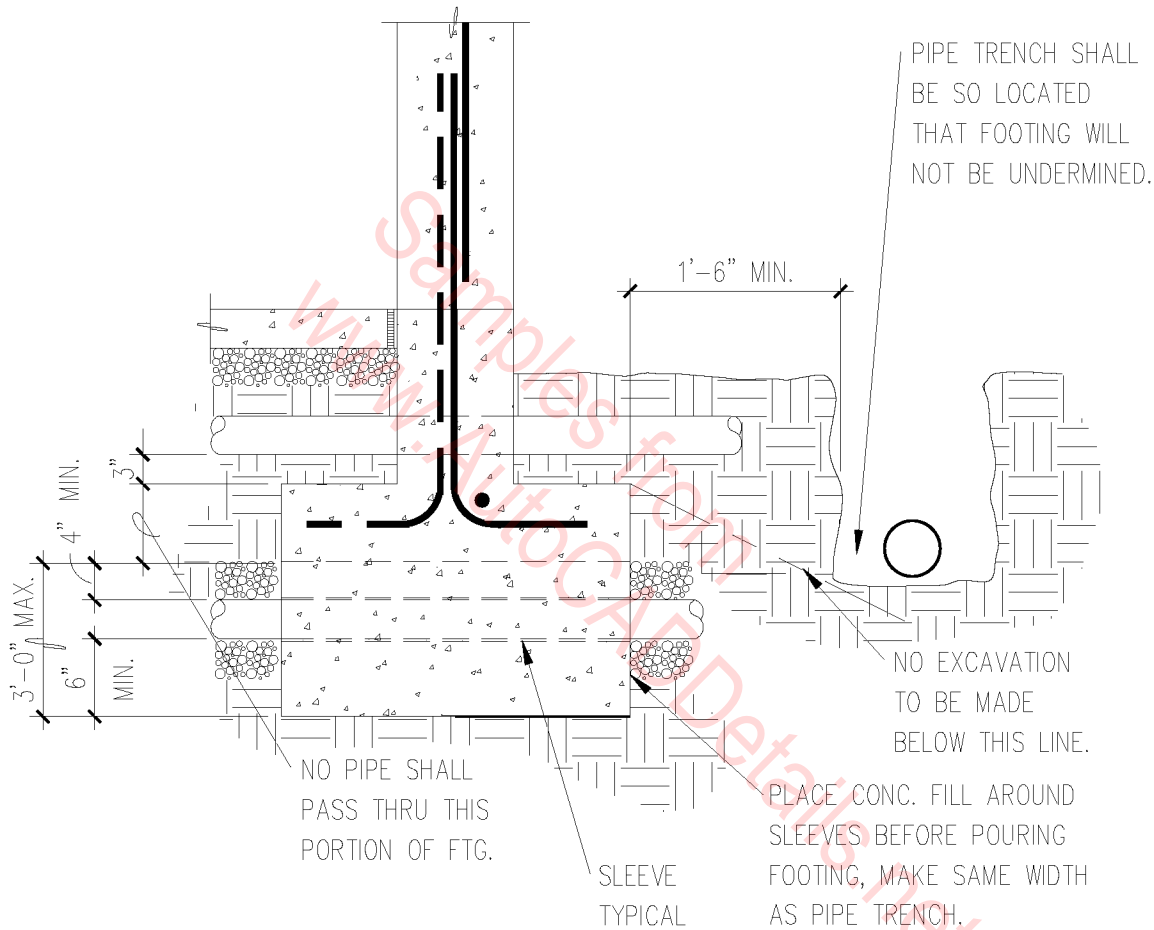


1. VAPOR BARRIER.
2. HOLDDOWN STRAP TO SECURE SONATUBE TO FOUNDATION WALL.
3. STEM WALL – SEE FOUNDATION PLAN.
4. CONCRETE PORCH – SEE FOUNDATION PLAN
5. 6" SONATUBE.
6. (1) #4 VERTICAL.
7. CONCRETE FOOTING.

○ SONATUBE INSTALLATION

1" = 1'-0"

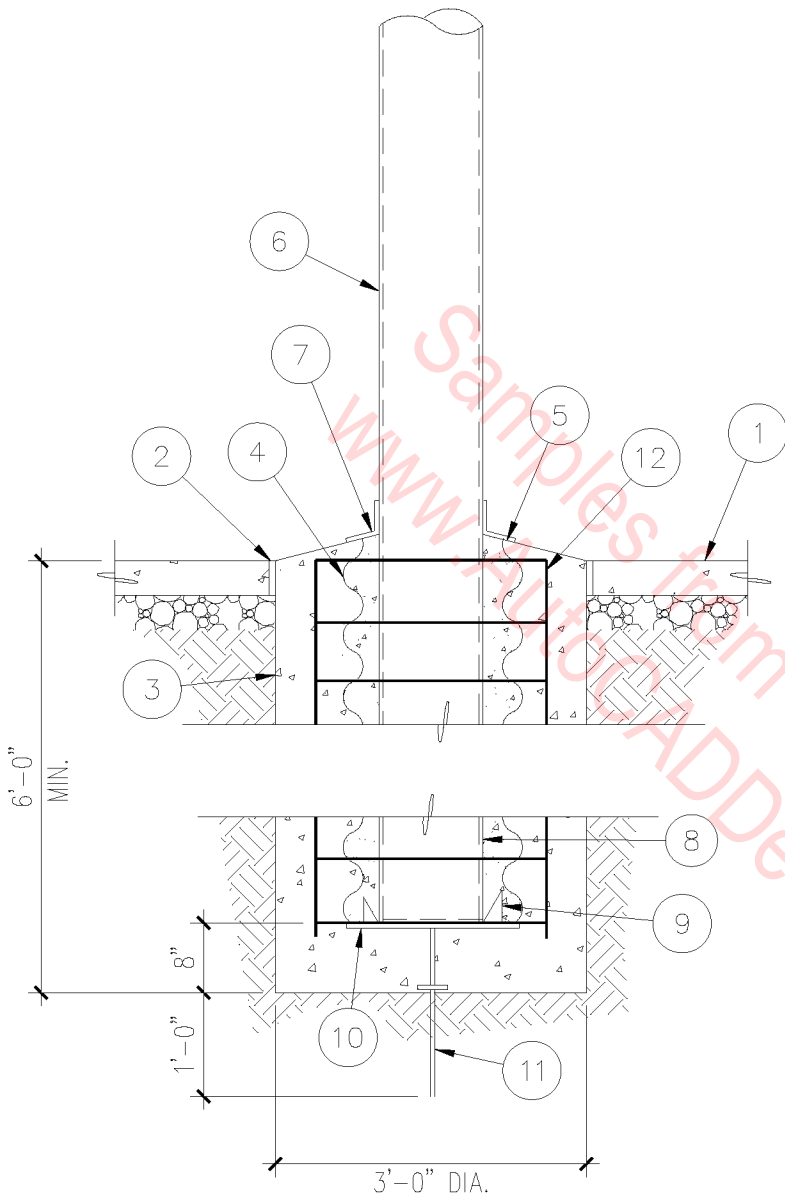
03A-6012



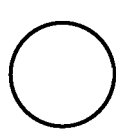
DRAINAGE PIPE SLEEVE

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

03A-1001



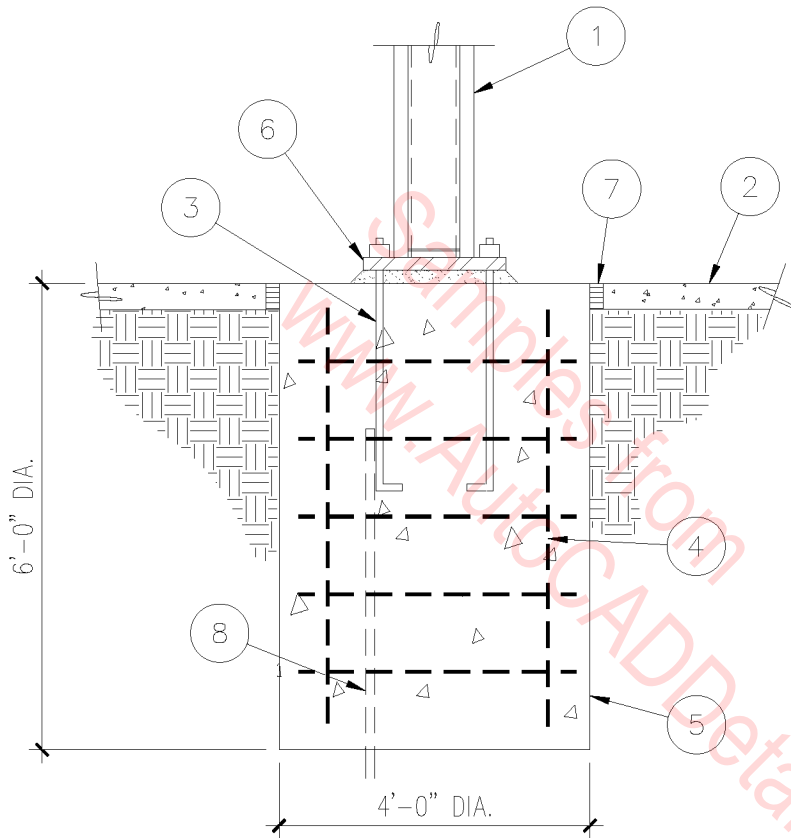
1. CONCRETE SLAB ON A.B.C. FILL.
2. 1/2" EXPANSION JOINT MATERIAL.
3. CONCRETE FOOTING.
4. PACK WITH CLEAN DRY SAND.
5. BITUMINOUS SEALANT.
6. 40'-0" TALL ALUMINUM FLAGPOLE.
7. FLASHING COLLAR.
8. G.I. SLEEVE - VERIFY SIZE WITH POLE MANUFACTURER.
9. STEEL WEDGES AS PART OF SLEEVE.
10. 1/4" STEEL PLATE AS PART OF SLEEVE.
11. LIGHTNING ROD AS PART OF SLEEVE.
12. (6) #7 REBARS & #3 TIES @ 16" O.C.



FLAGPOLE FOOTING

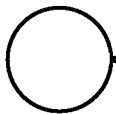
1/2" = 1'-0"

03A-1002



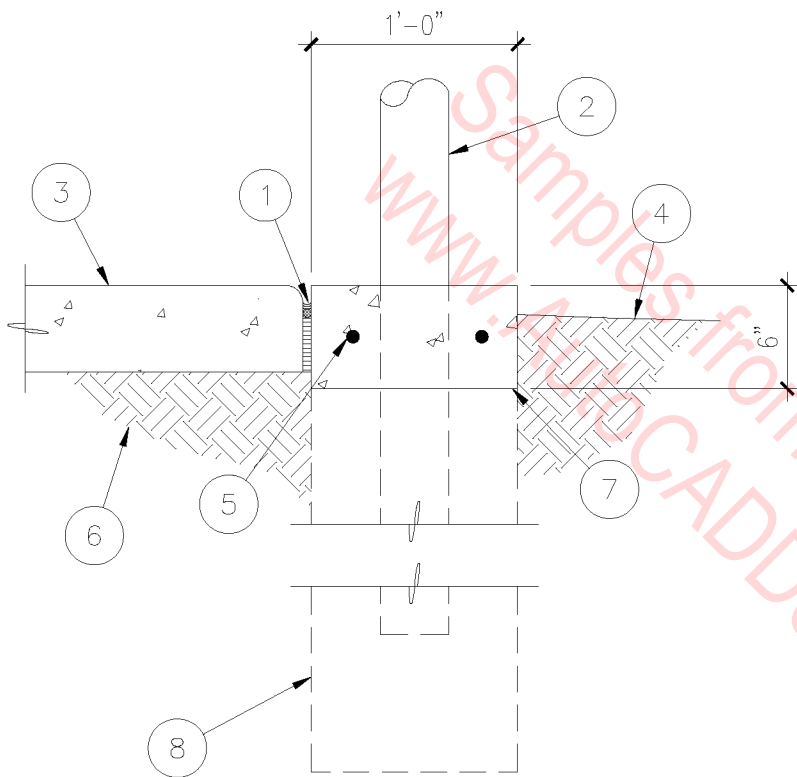
1. 40'-0" FLAGPOLE.
2. 4" CONCRETE SLAB ON PREPARED SUBGRADE.
3. (4) 1" DIA. x 36" ANCHOR BOLTS.
4. (6) #6 REBAR WITH #3 TIES @ 12" O.C.
5. CONCRETE FOOTING.
6. 1/2" x 20" SQ. STEEL PLATE ON 1/2" OF DRYPACK.
7. EXPANSION JOINT.
8. 3/4" GALVANIZED IRON GROUND ROD.

TYPICAL FLAGPOLE FOOTING



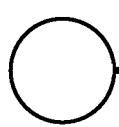
3/8" = 1'-0"

03A-1003



1. 1" EXPANSION JOINT.
2. FENCE POST – SEE TABLE.
3. CONCRETE SLAB WITH SYNTHETIC REINFORCING FIBERS.
4. FINISH GRADE.
5. (2) #4 REBARS CONTINUOUS.
6. SUBGRADE.
7. CONCRETE MOW STRIP – SCORE AT 48" O.C.
8. FENCE FOOTING – SEE TABLE BELOW.

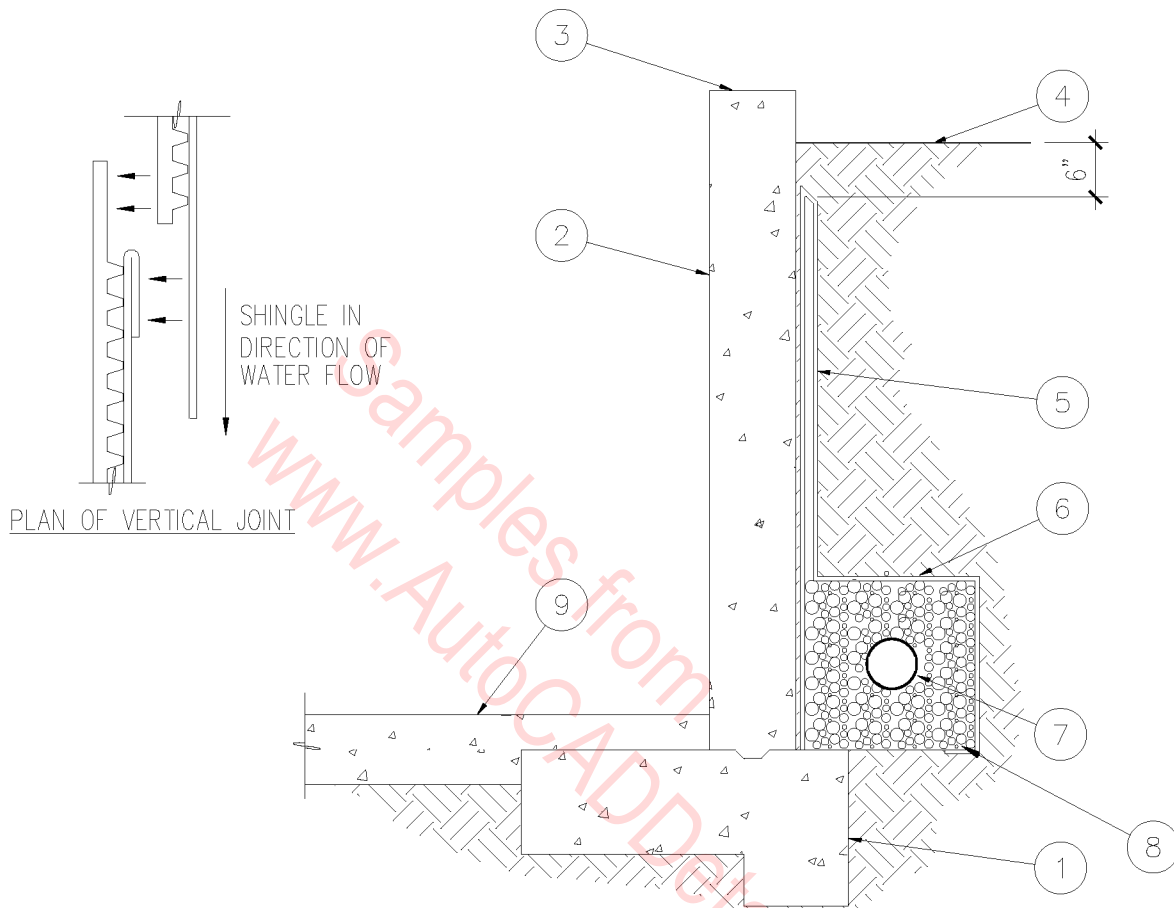
FENCE HEIGHT	POST DEPTH	FTG. DEPTH	FTG. DIAM.
3'-0" TO 6'-0"	24"	30"	12"
6'-1" TO 8'-0"	30"	42"	12"
8'-1" TO 12'-0"	36"	48"	12"



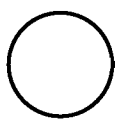
TYPICAL FENCE FOOTING

1" = 1'-0"

03A-1004



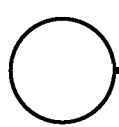
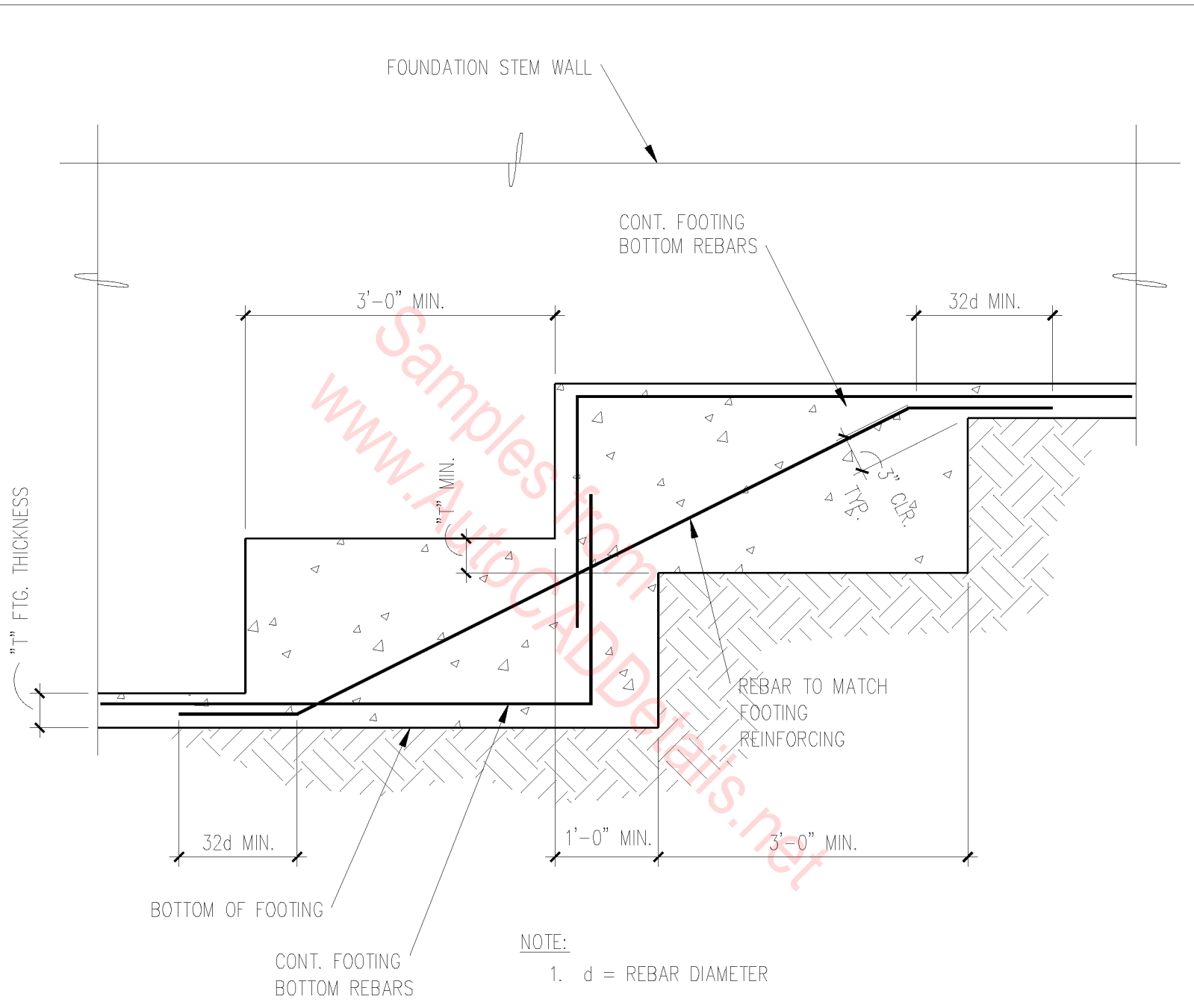
1. FOOTING PER PLANS.
2. SEE PLANS FOR MATERIAL.
3. SEE PLANS FOR TOP WALL DETAIL.
4. FINISH GRADE.
5. MIRADRAIN WATER PROOFING SYSTEM.
6. MIRADRAIN FABRIC.
7. PERFORATED DRAIN PIPE.
8. 12 X 12 CONTINUOUS GRAVEL BACKFILL.
10. SLAB.



FOOTING DRAINAGE

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

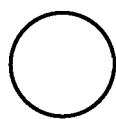
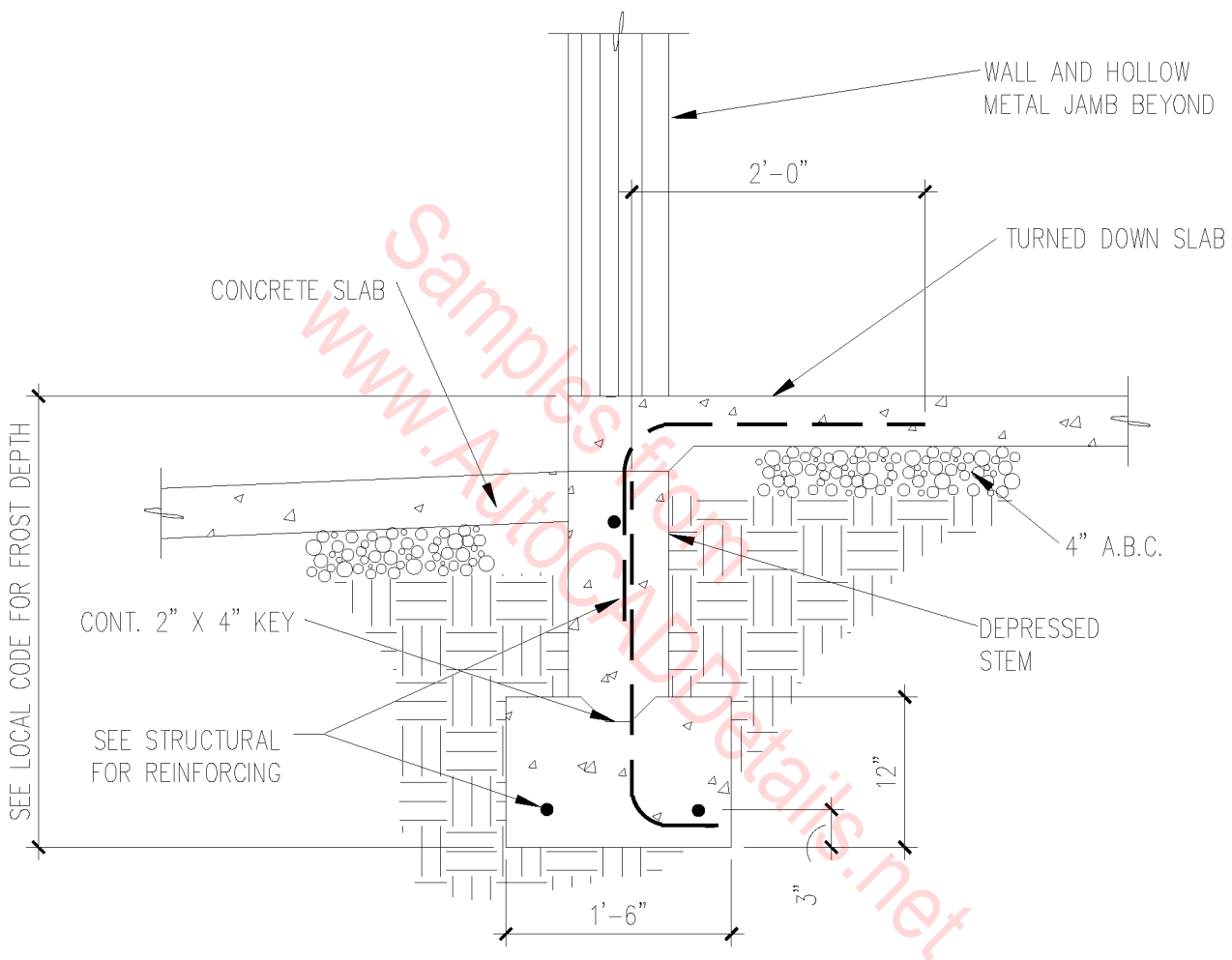
03A-1005



TYPICAL STEPPED FOOTING

N.T.S.

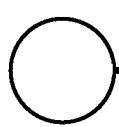
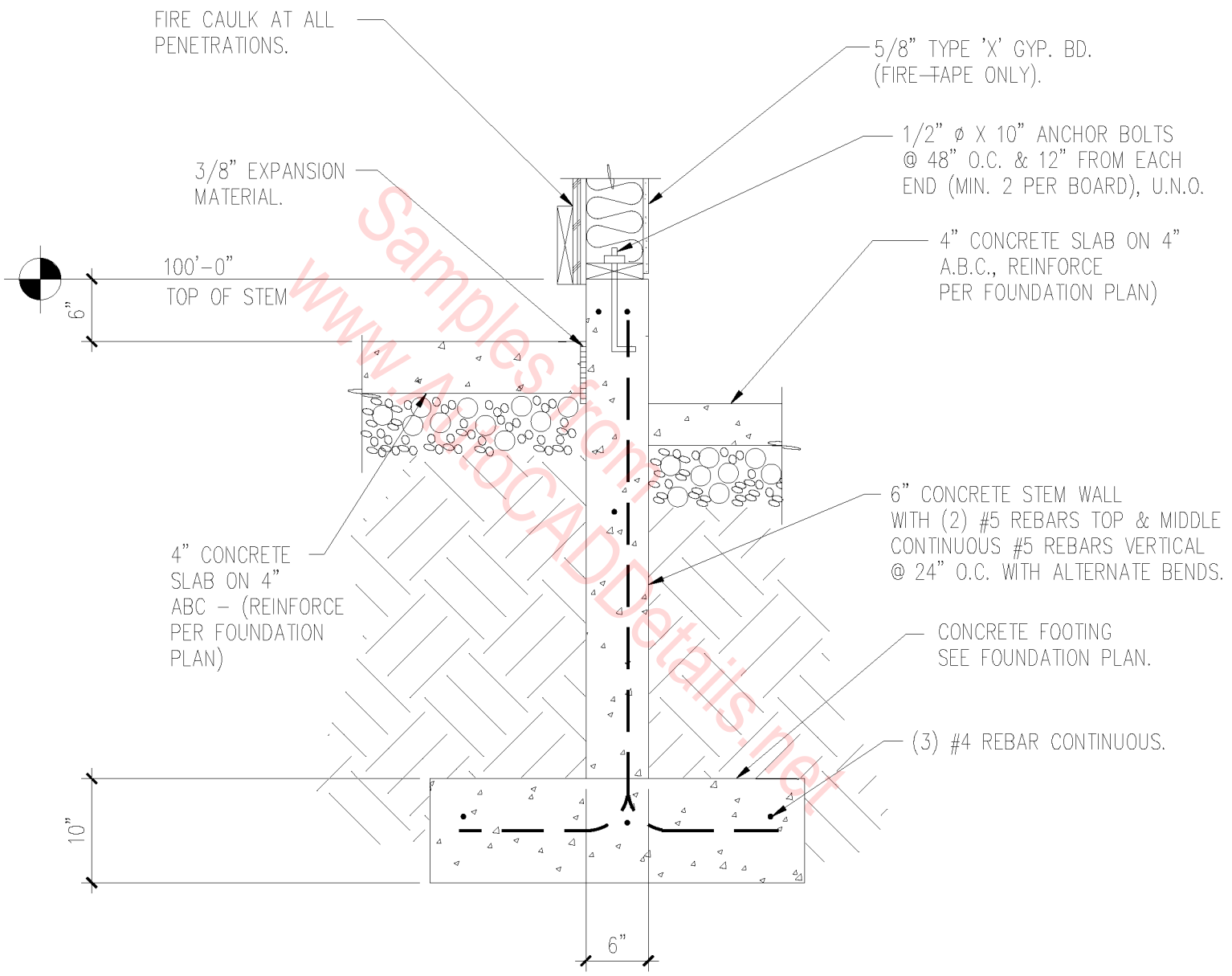
03A-1006



DEPRESSED STEM

3/4" = 1'-0"

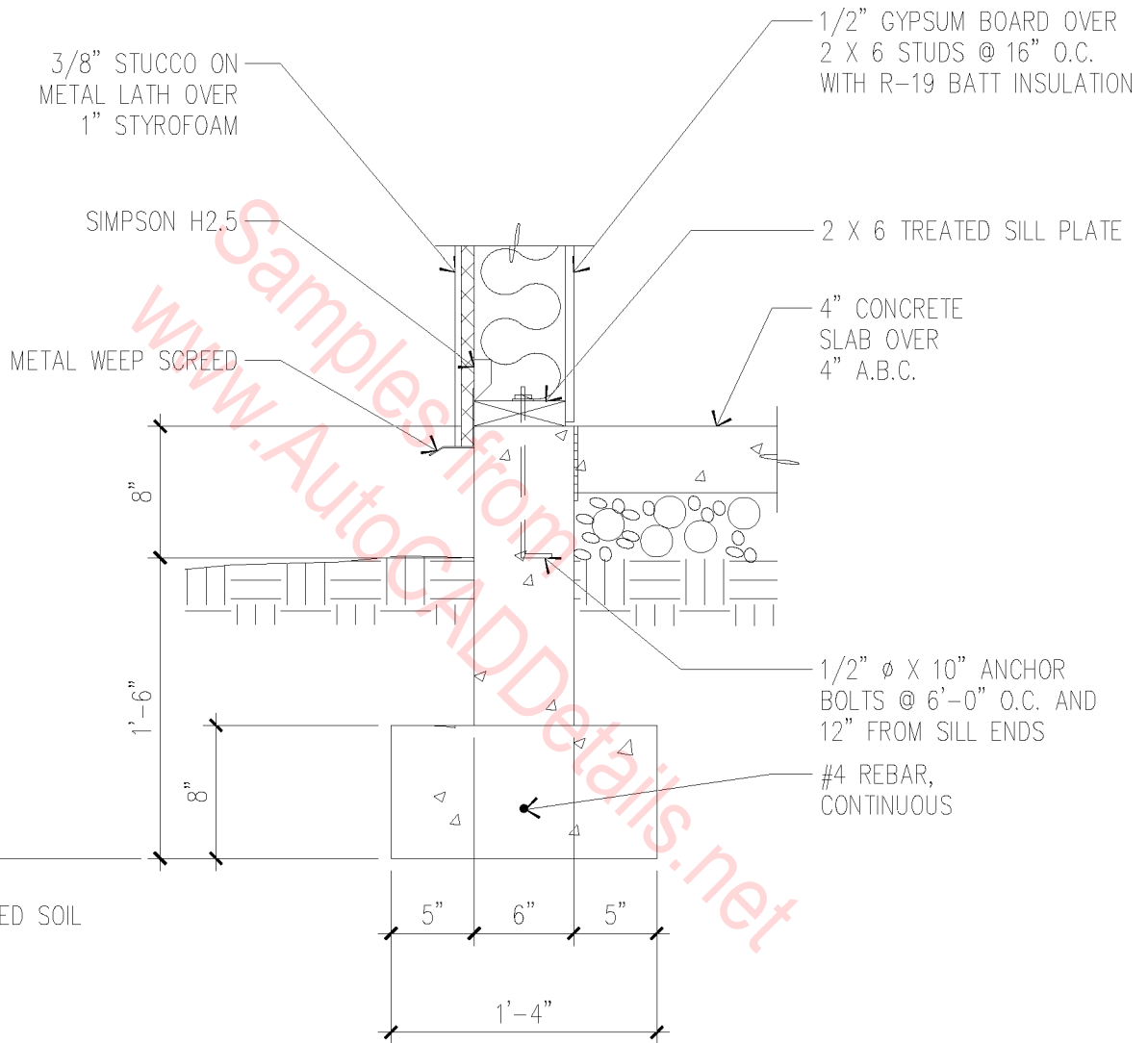
03A-1007



FOOTING

3/4" = 1'-0"

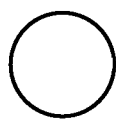
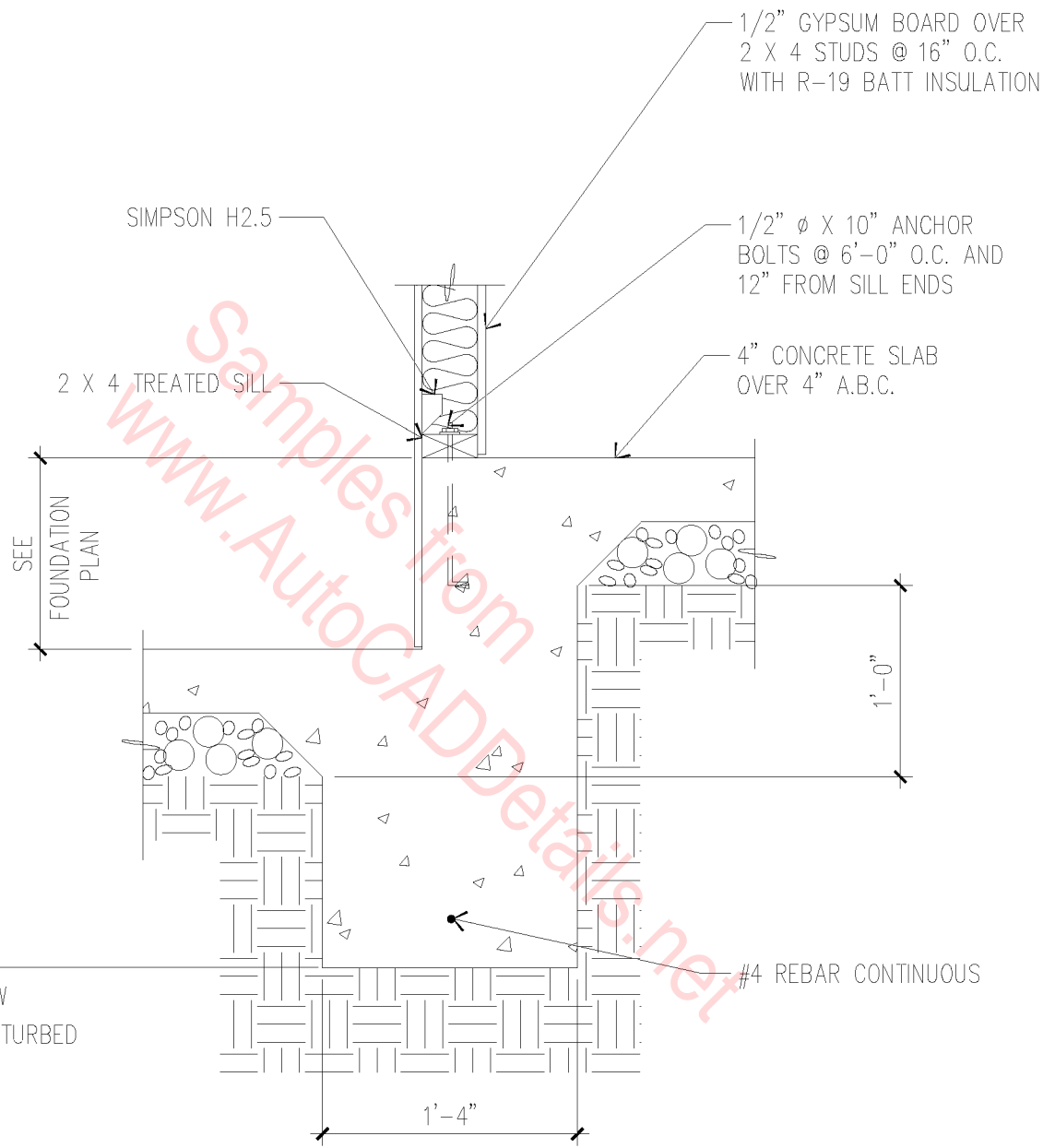
03A-1008



FOOTING

1" = 1'-0"

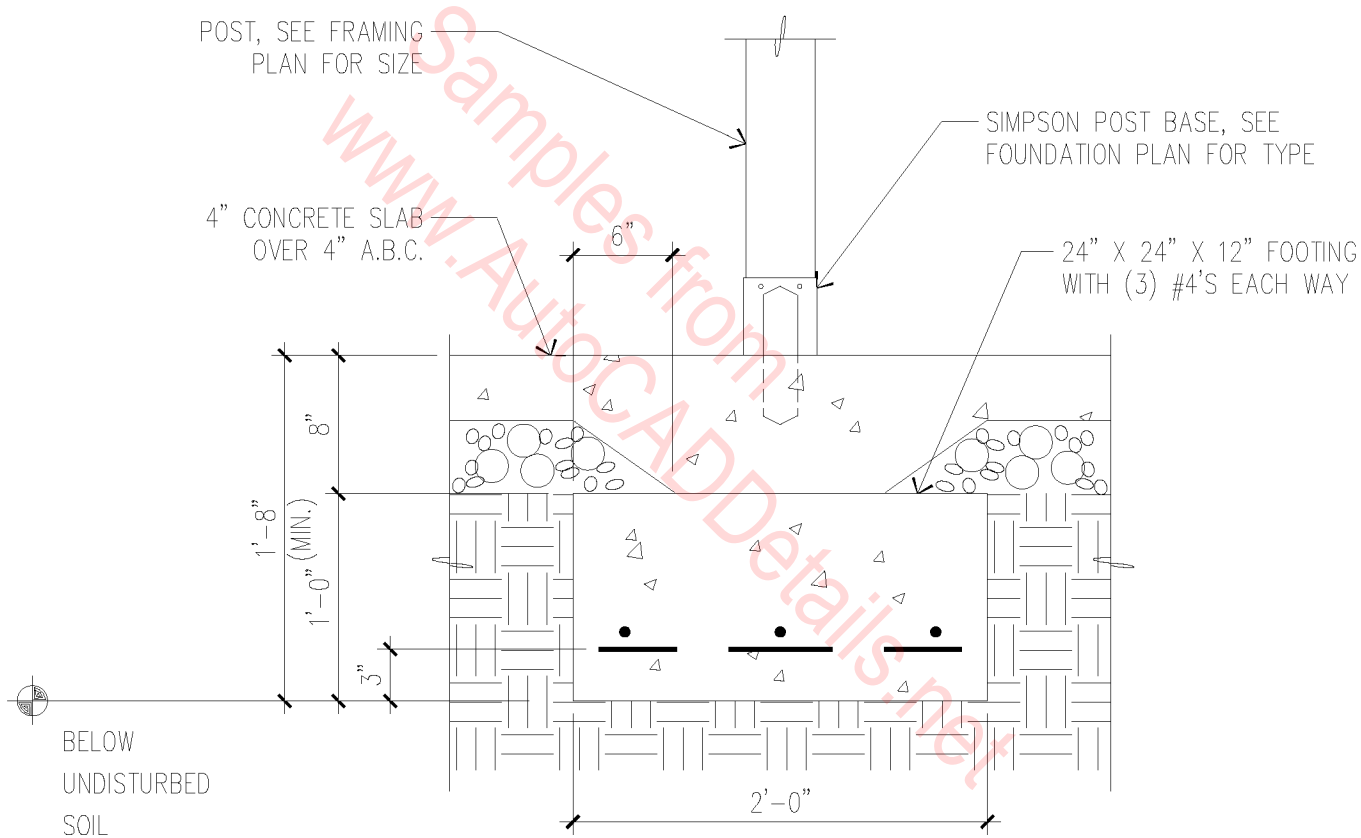
03A-1009



INTERIOR FOOTING

1" = 1'-0"

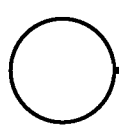
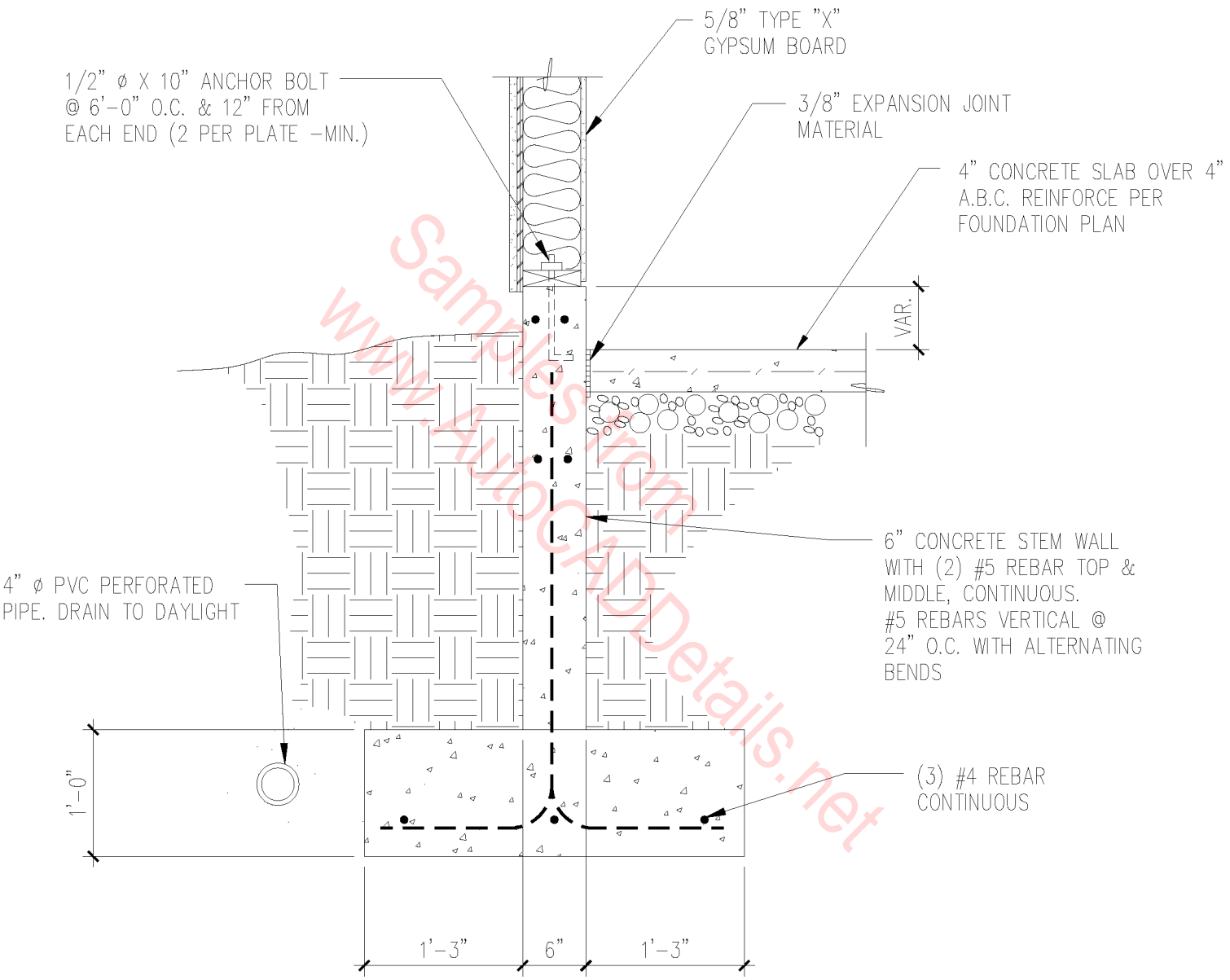
03A-1010



POST FOOTING

1" = 1'-0"

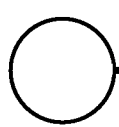
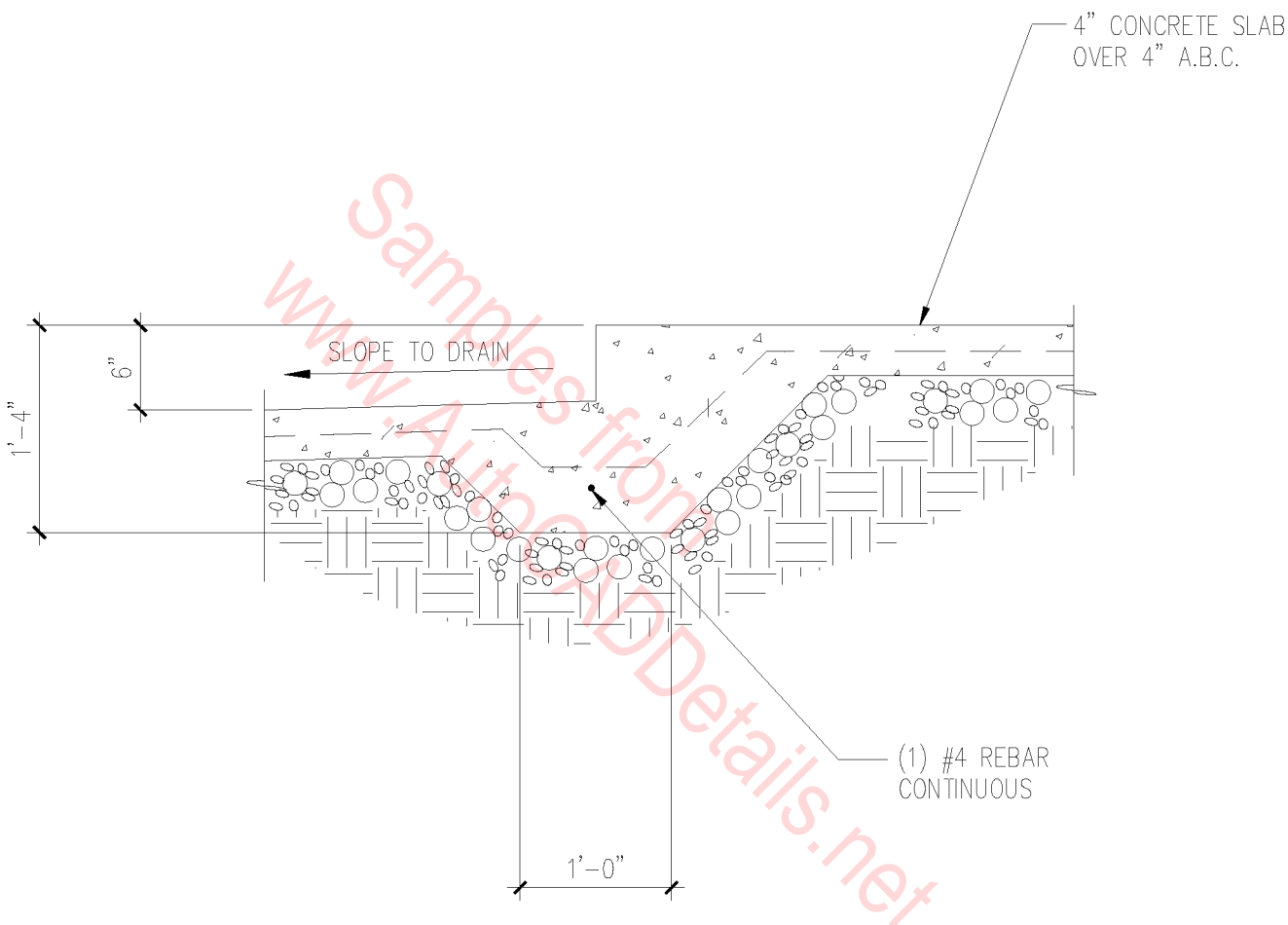
03A-1011



FOOTING

3/4" = 1'-0"

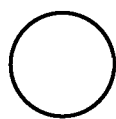
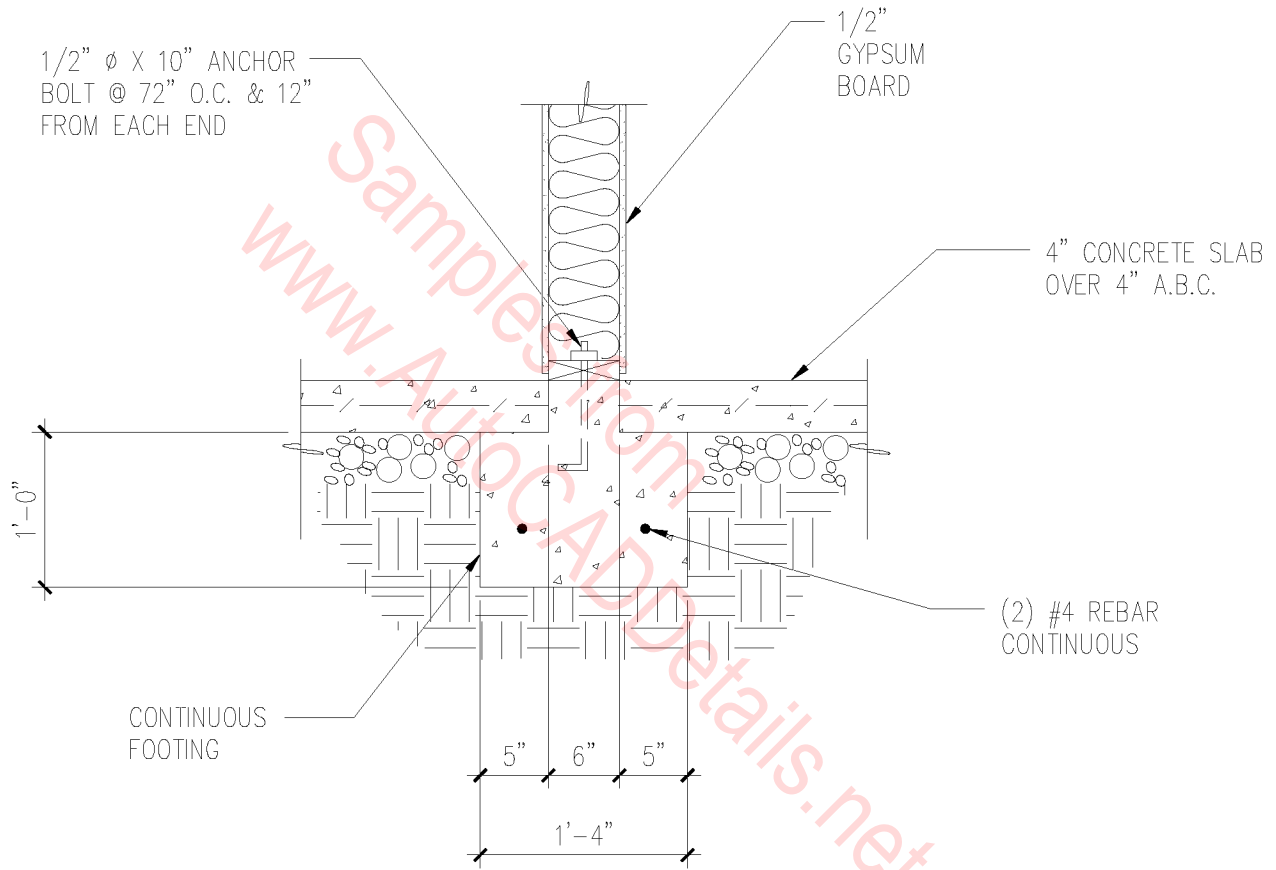
03A-1012



STEPPED SLAB

3/4" = 1'-0"

03A-1013



INTERIOR FOOTING

3/4" = 1'-0"

03A-1014

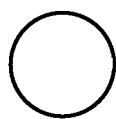
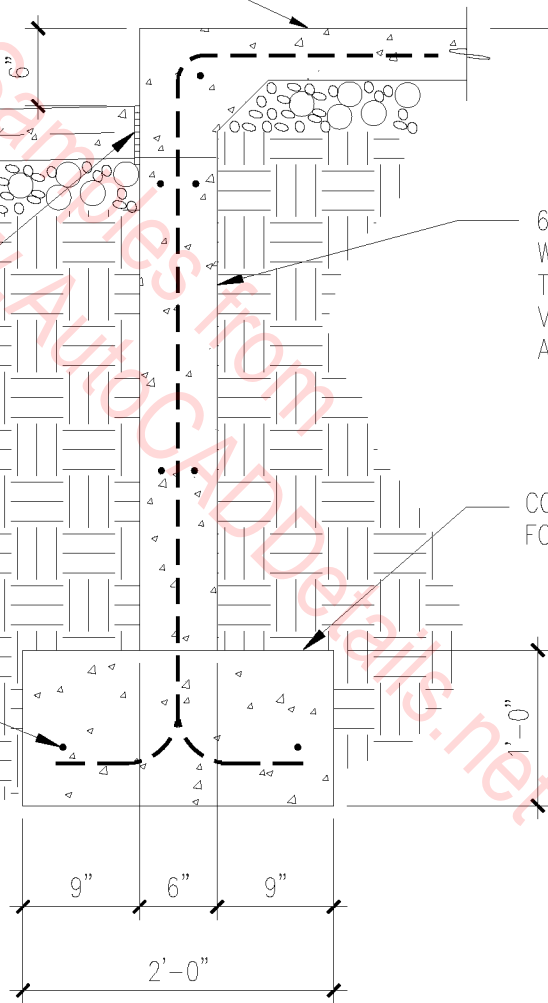
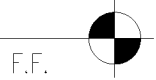
4" CONCRETE SLAB
OVER 4" A.B.C.

3/8" EXPANSION
JOINT MATERIAL

(2) #4 REBARS
CONTINUOUS

6" CONCRETE STEM WALL
WITH CONTINUOUS #5 REBARS
TOP & MIDDLE. #5 REBARS
VERTICAL @ 24" O.C. WITH
ALTERNATING BENDS

CONTINUOUS
FOOTING



STEP DOWN @ PORCH

3/4" = 1'-0"

03A-1015

26 GA. GALVANIZED
FLASHING TO FINISHED
GRADE PRIME & PAINT
TO MATCH TRIM

4" CONCRETE SLAB
OVER 4" A.B.C.

FINISHED GRADE

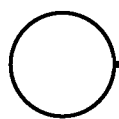
FINISHED
FLOOR

2" BEADBOARD
FOUNDATION
INSULATION

4" ϕ PERFORATED
PIPE - DRAIN TO
DAYLIGHT

CONTINUOUS
FOOTING

BELOW
UNDISTURBED
SOIL



FOOTING INSULATION

3/4" = 1'-0"

03A-1016

4" CONCRETE SLAB
OVER 4" ABC

SLOPE
TO DRAIN

4" CONCRETE SLAB
OVER 4" ABC

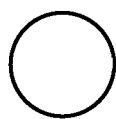
6"

#4 REBARS @
24" O.C.

(3) #4 REBARS
CONTINUOUS

BELOW
UNDISTURBED
SOIL

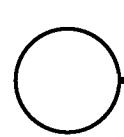
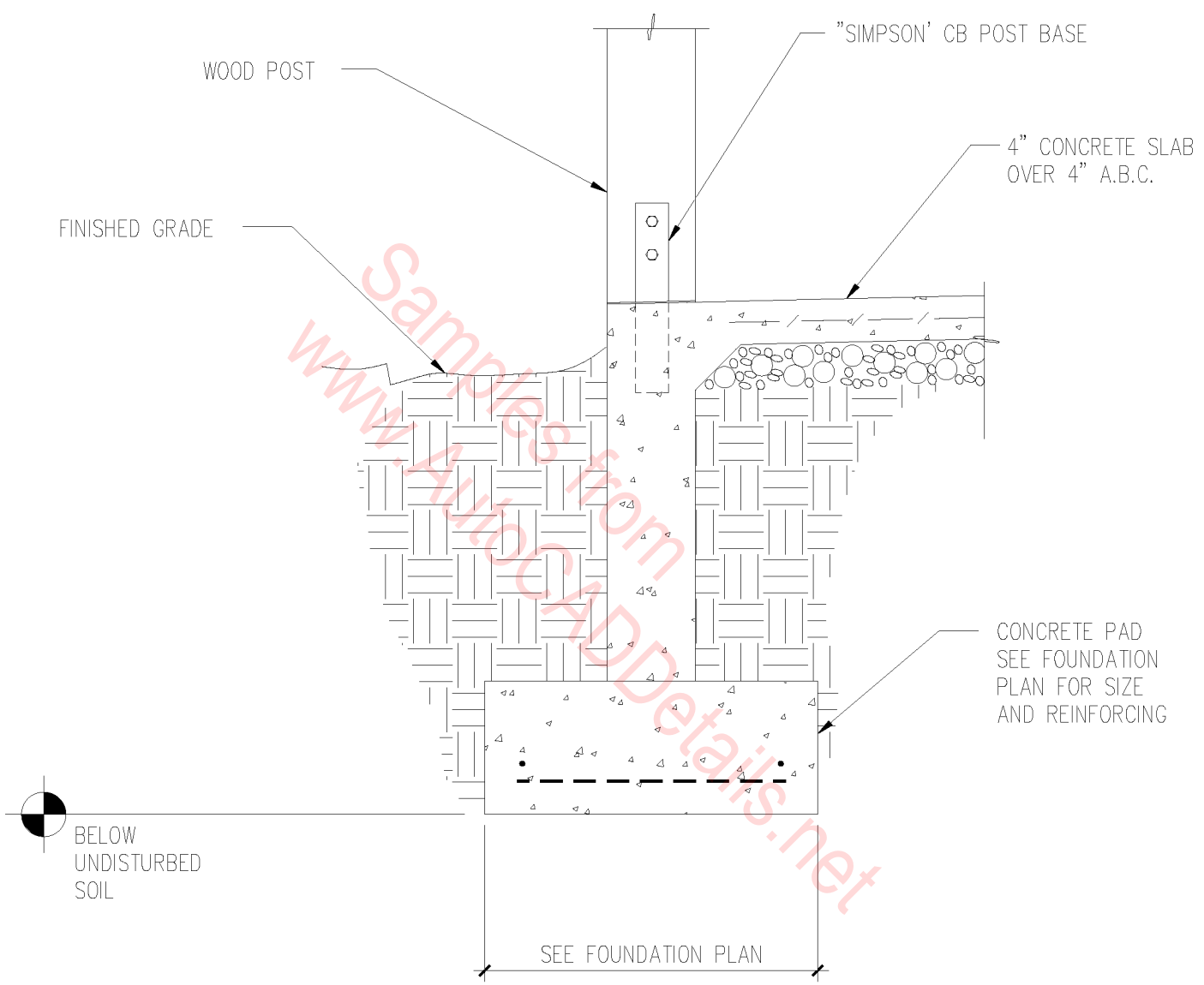
SEE FOUNDATION PLAN



STEPPED INT. FOOTING

3/4" = 1'-0"

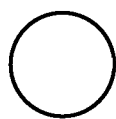
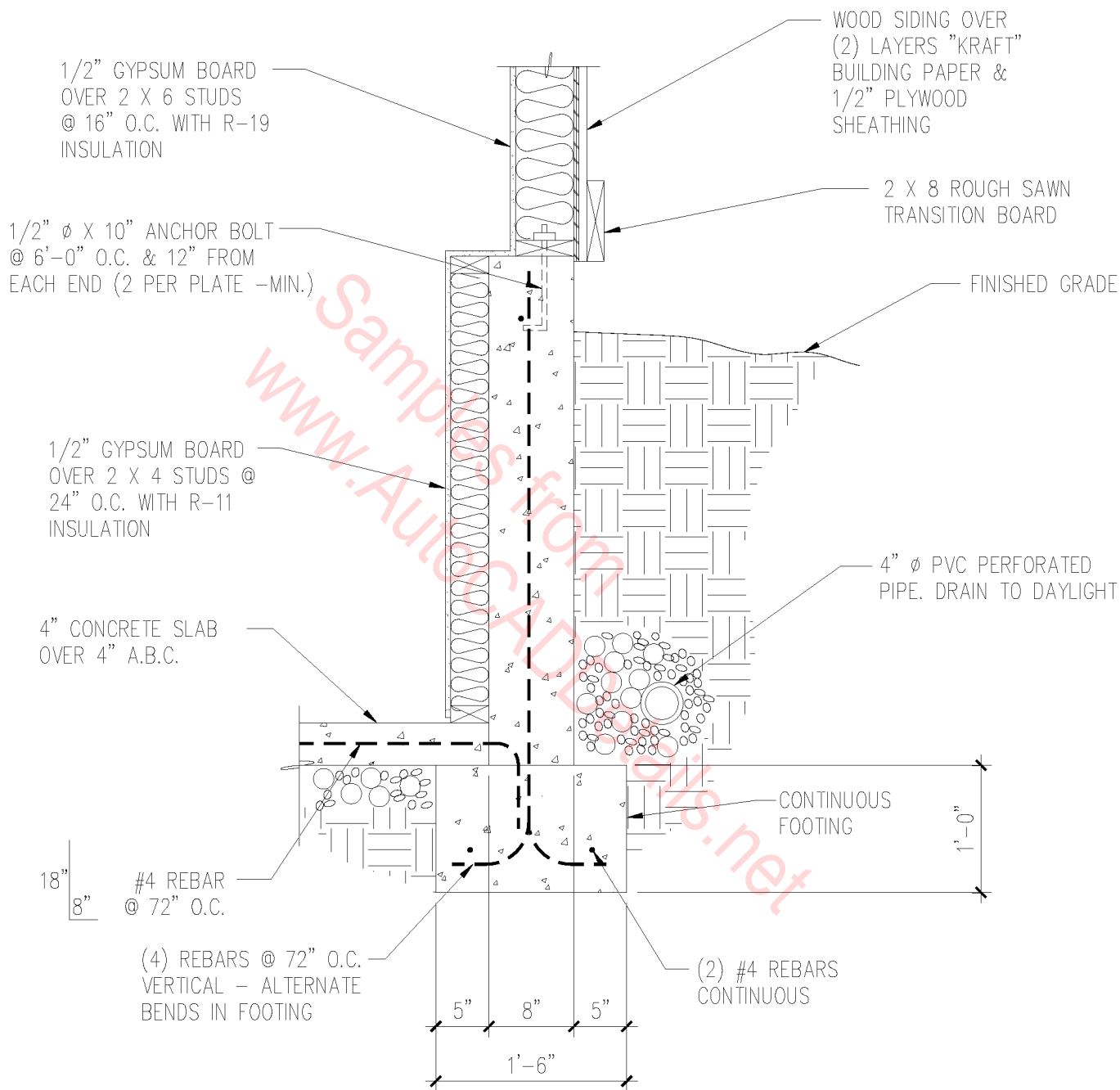
03A-1017



PATIO COLUMN PAD

3/4" = 1'-0"

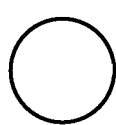
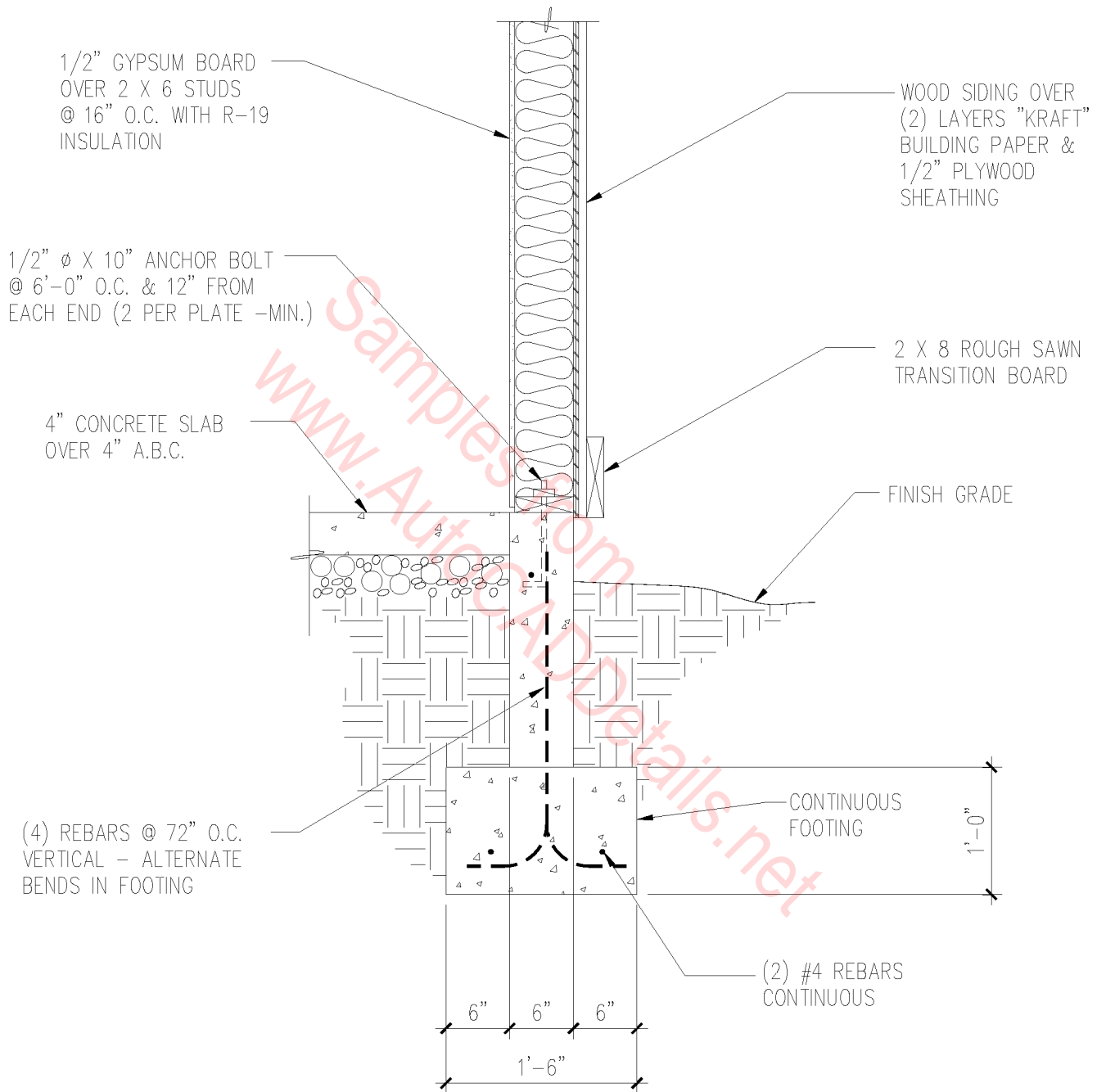
03A-1018



BASEMENT FOOTING

3/4" = 1'-0"

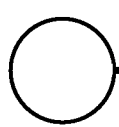
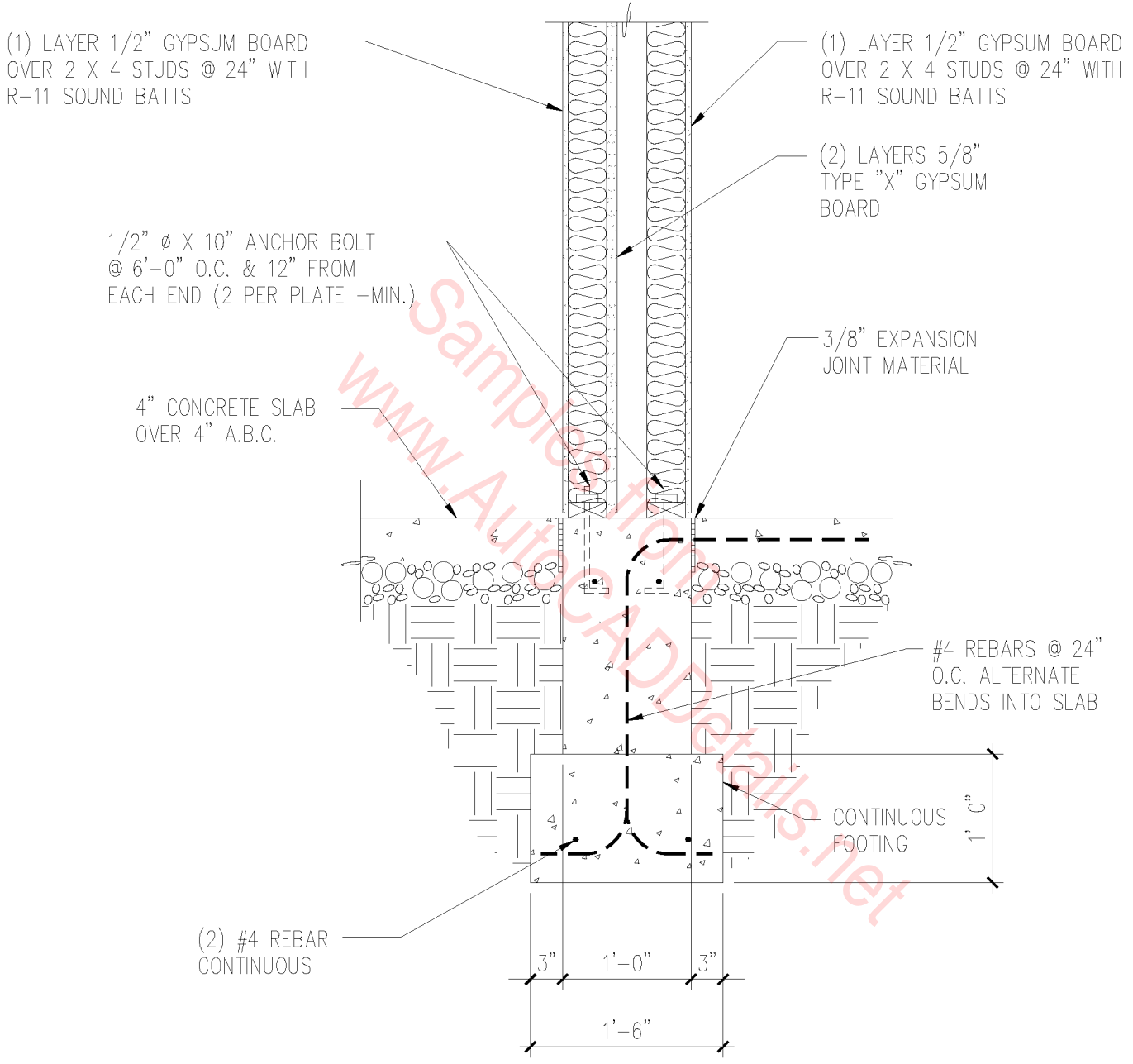
03A-1019



FOOTING

3/4" = 1'-0"

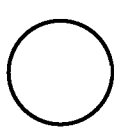
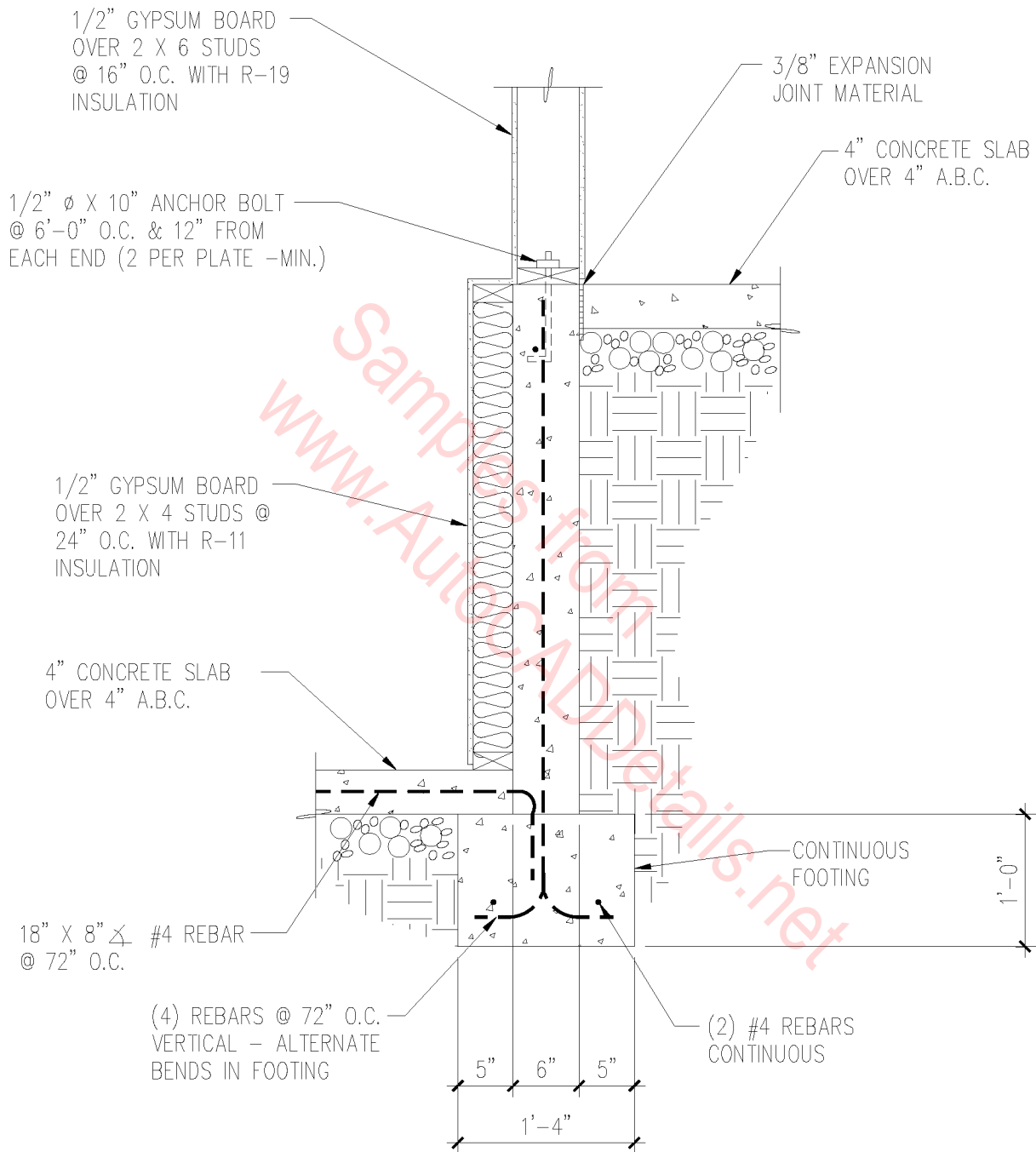
03A-1020



FDN. @ PARTY WALL

3/4" = 1'-0"

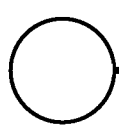
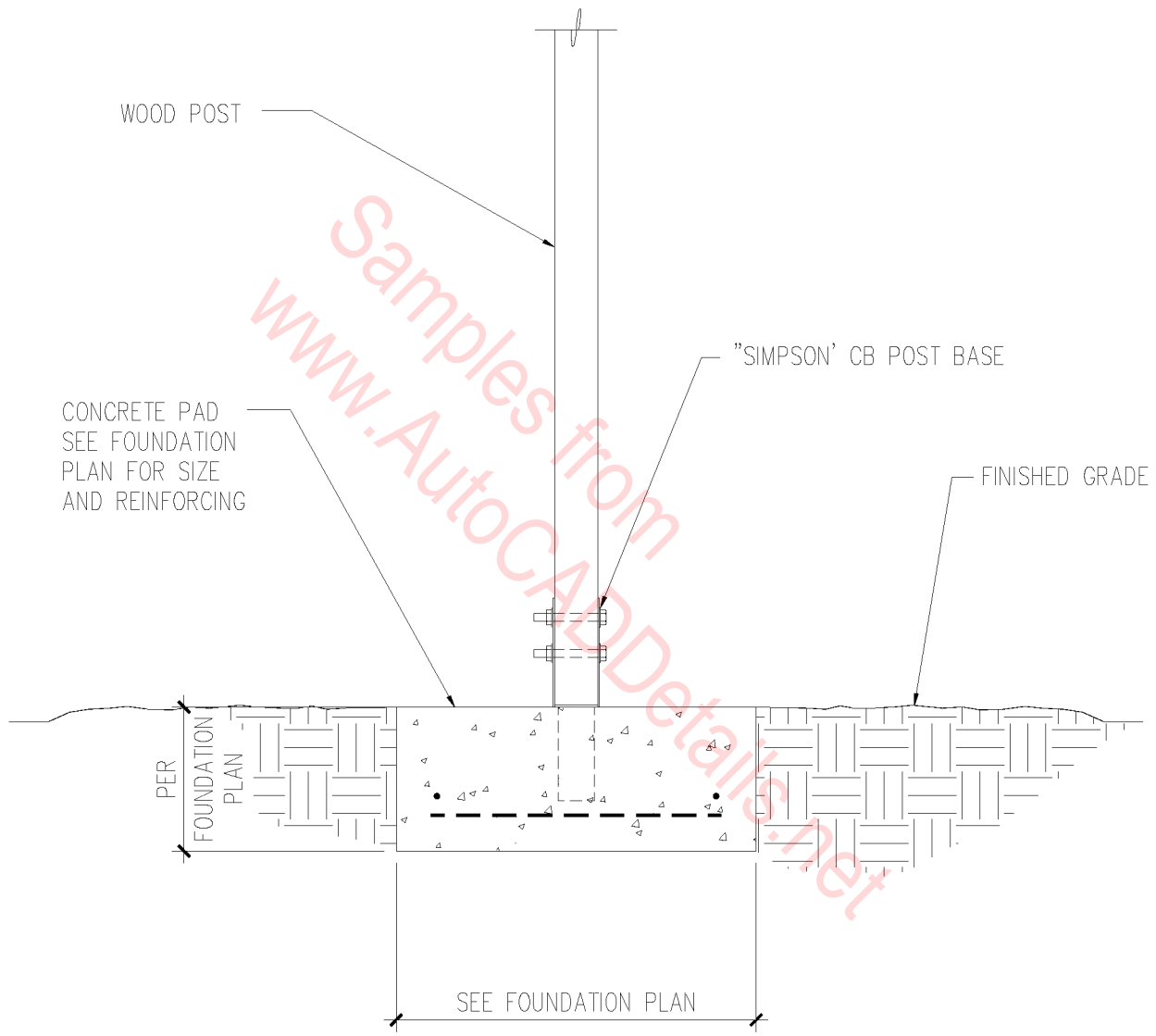
03A-1021



BASEMENT FOOTING

3/4" = 1'-0"

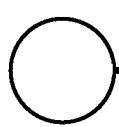
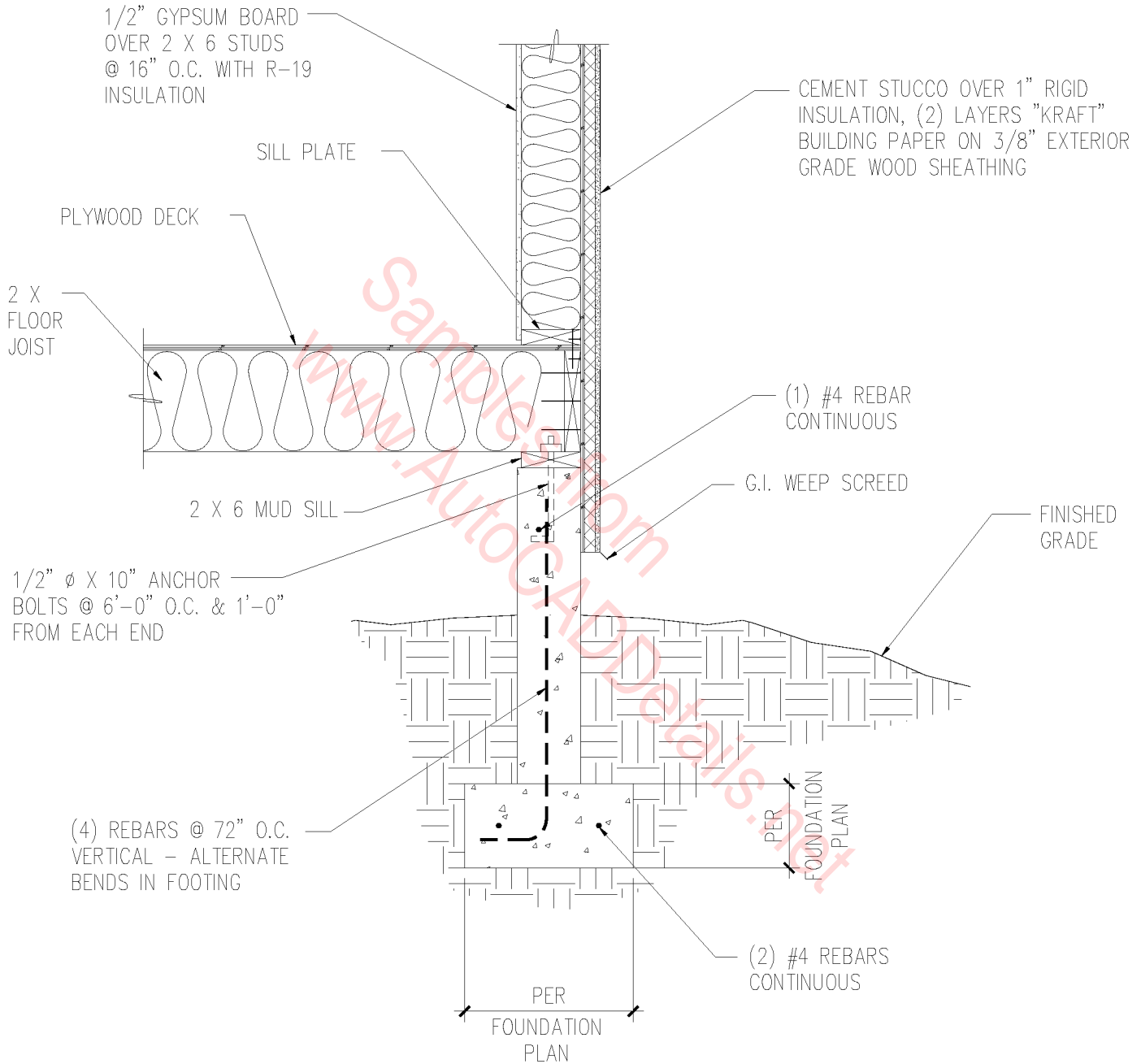
03A-1022



PIER DETAIL

3/4" = 1'-0"

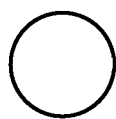
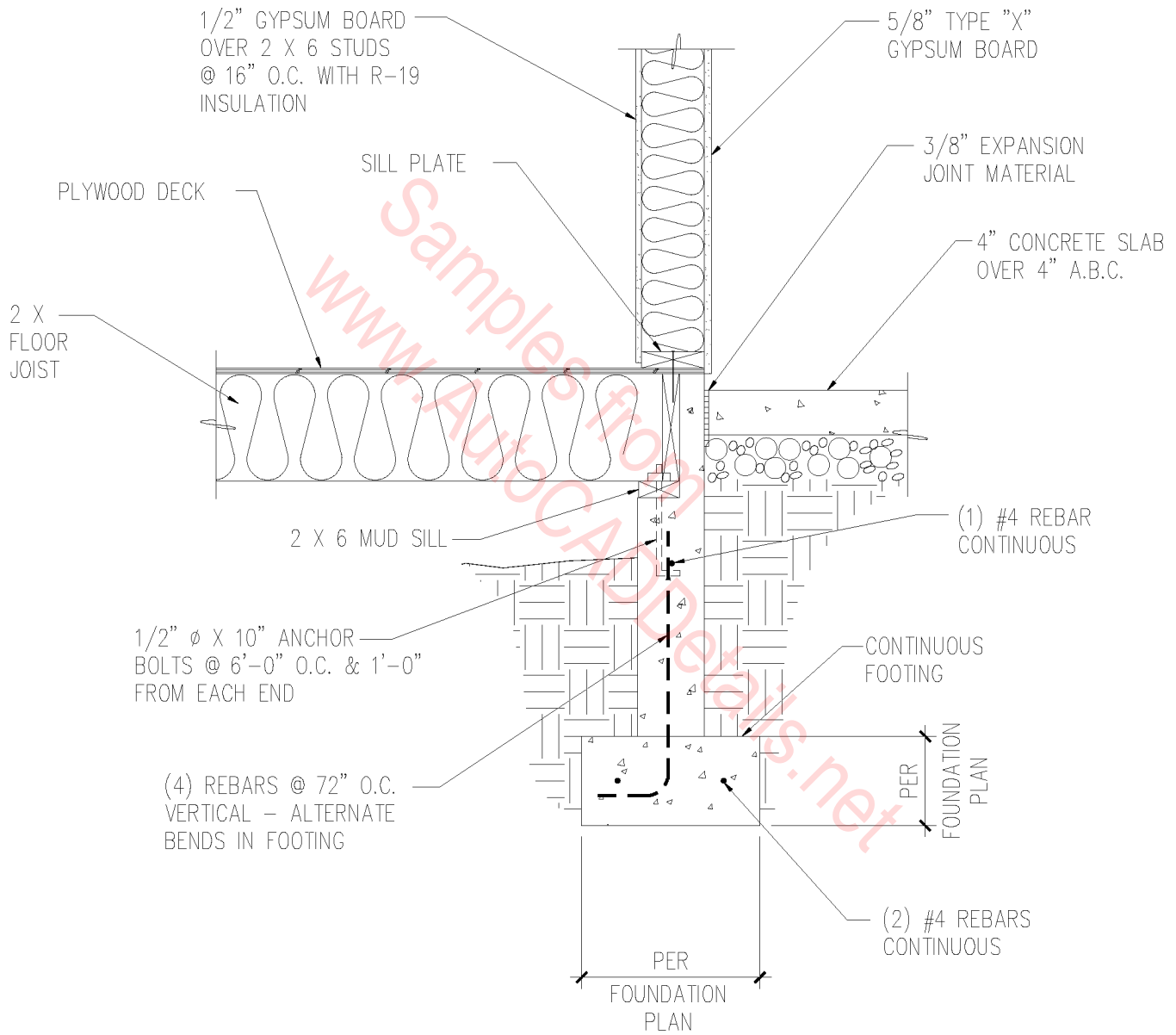
03A-1023



JOIST BRG. FOUNDATION

3/4" = 1'-0"

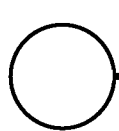
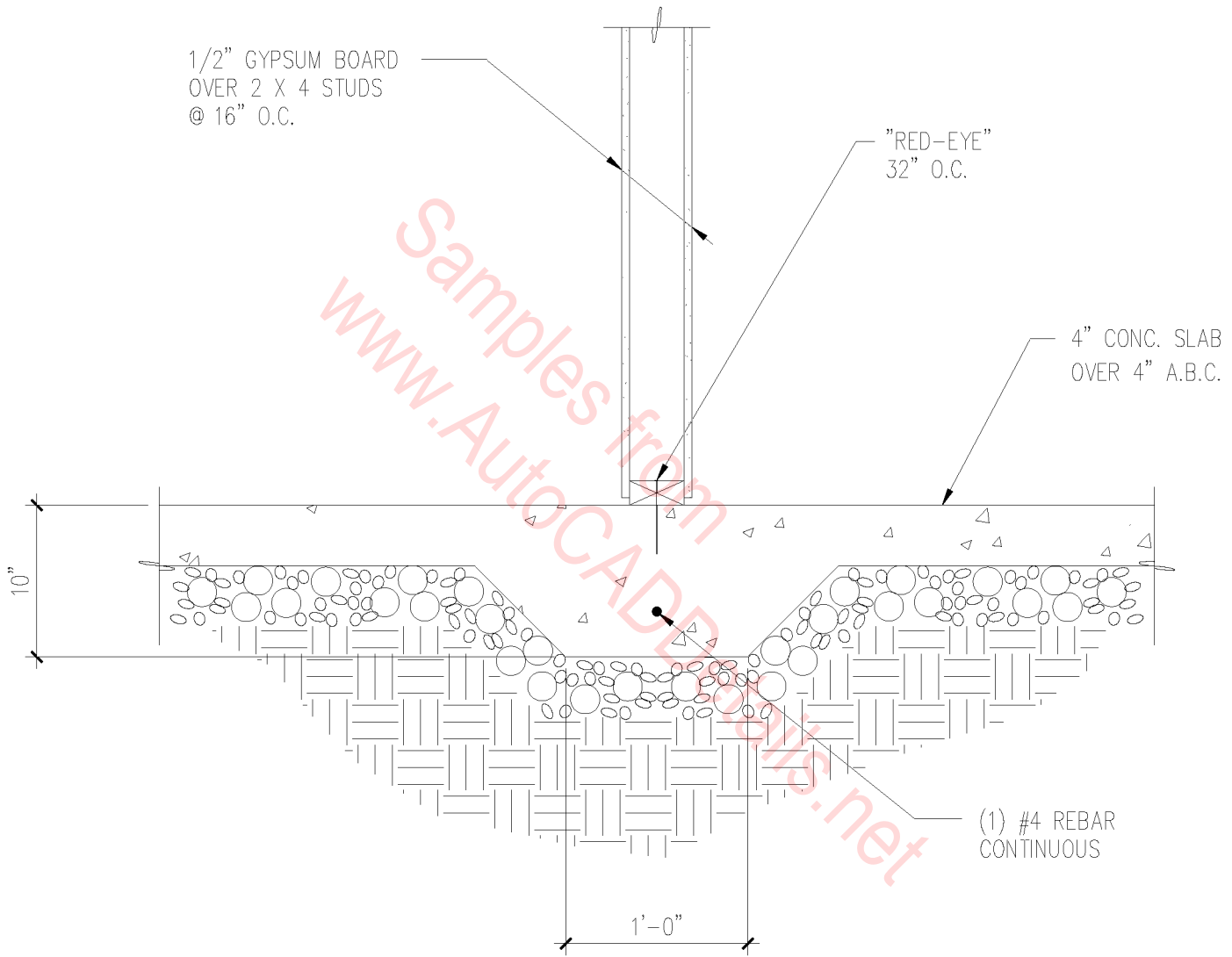
03A-1024



JOIST BRG. FOUNDATION

3/4" = 1'-0"

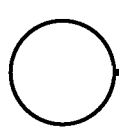
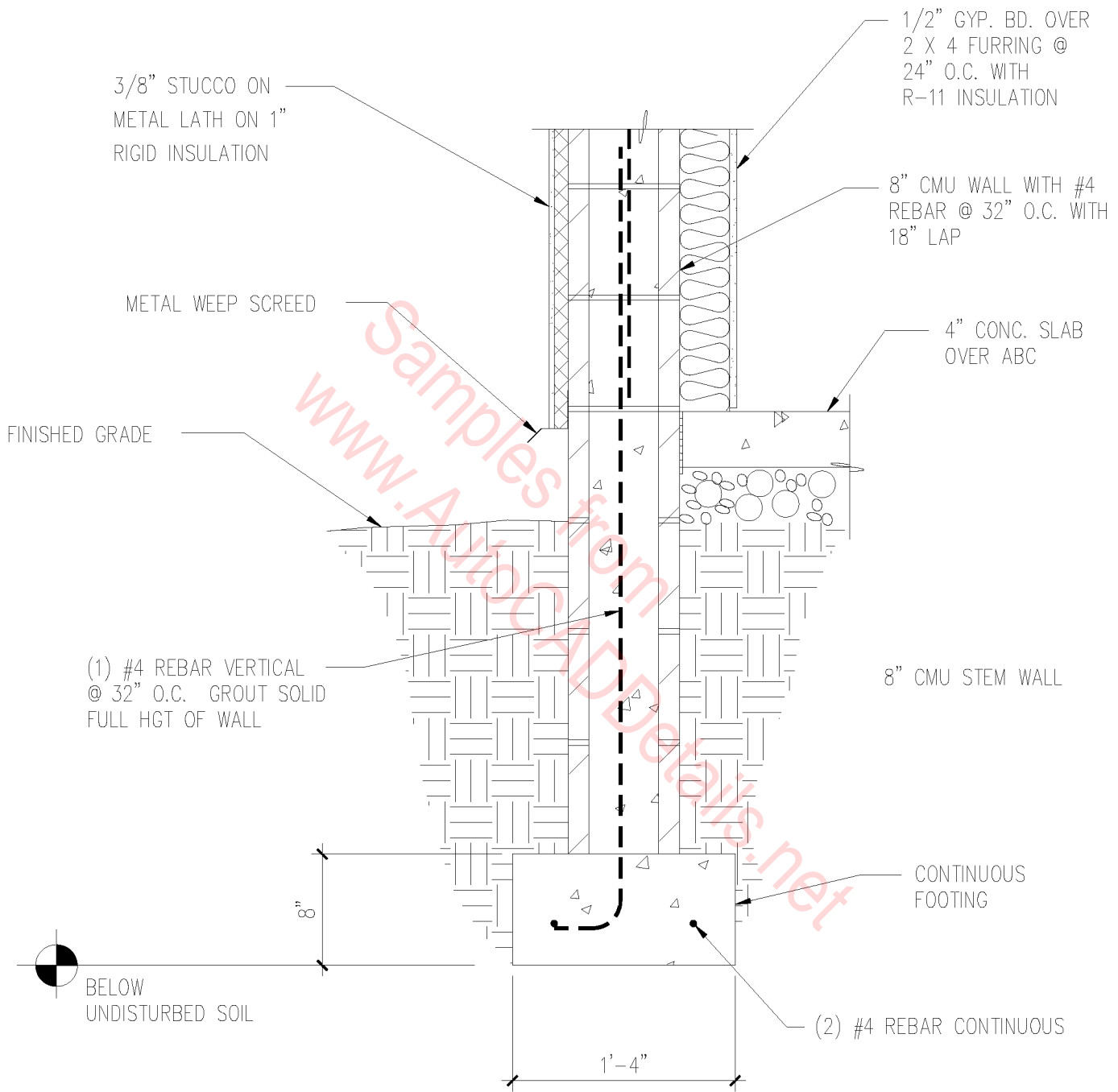
03A-1025



INT. THICKENED SLAB

1" = 1'-0"

03A-1026



C.M.U. STEM & EXT. WALL

1" = 1'-0"

03A-1027

DOOR JAMB BEYOND

4" CONC. SLAB
OVER ABC

4" CONC. SLAB
OVER ABC

(1) #4 REBAR VERTICAL
@ 32" O.C. GROUT SOLID
FULL HGT OF WALL

8" CMU STEM WALL

CONTINUOUS
FOOTING

(2) #4 REBAR CONTINUOUS

8"

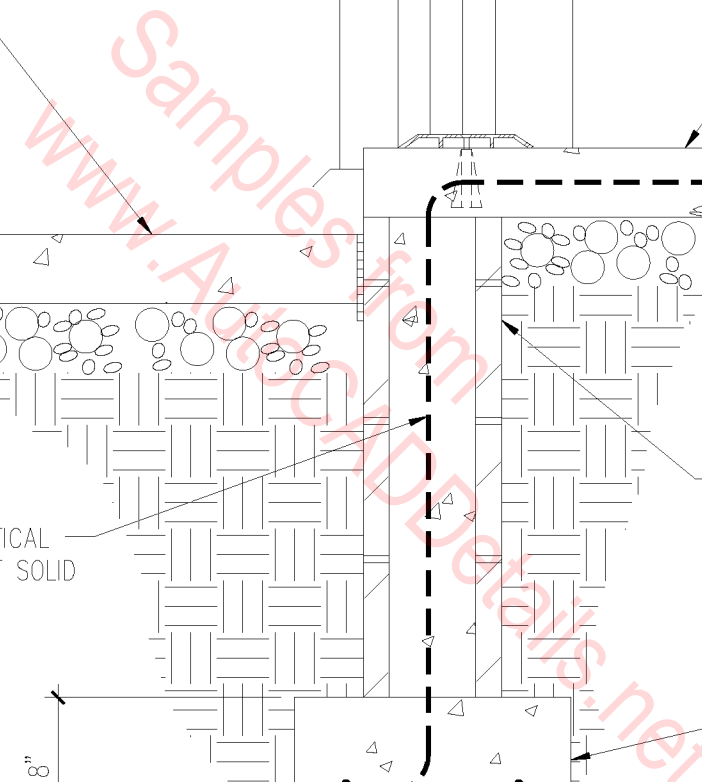
1'-4"

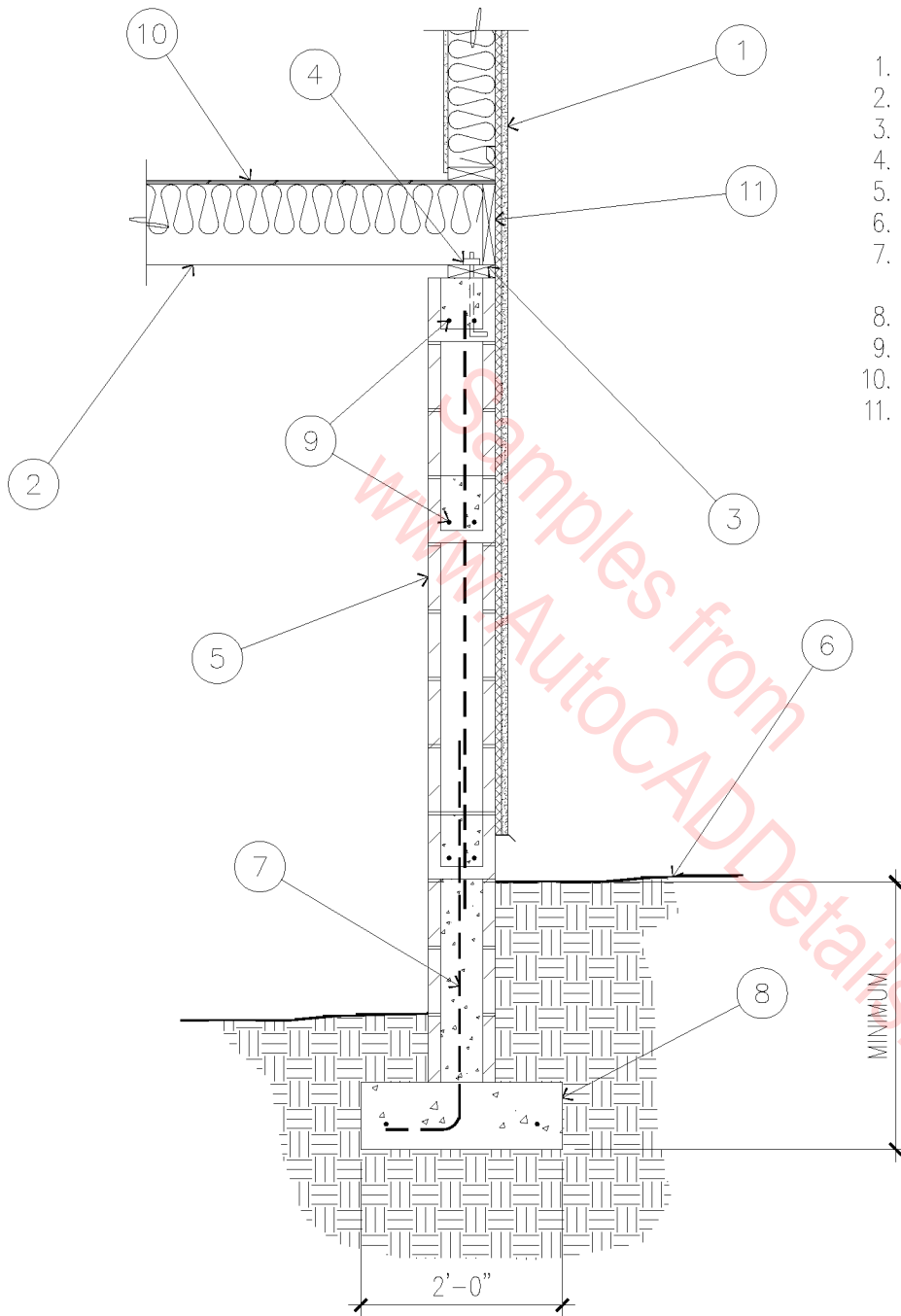
BELOW
UNDISTURBED SOIL

DEPRESSED C.M.U. STEM

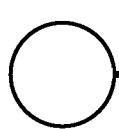
1" = 1'-0"

03A-1028





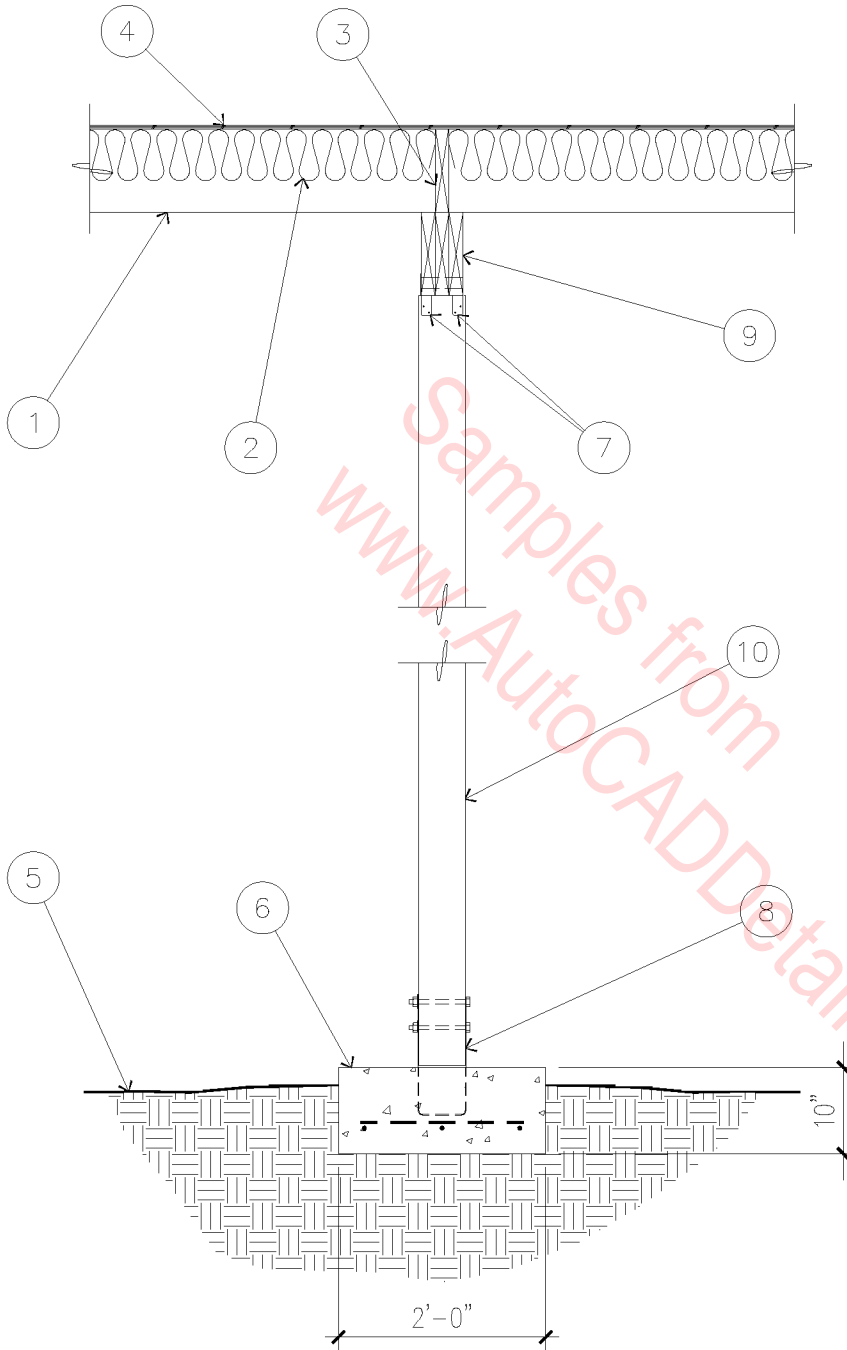
1. 6" EXTERIOR WALL ASSEMBLY.
2. FLOOR JOISTS.
3. 2 X 6 CONTINUOUS SILL PLATE.
4. 1/2" ϕ X 10" ANCHOR BOLTS @ 72" O.C.
5. MASONRY WALL.
6. FINISHED GRADE.
7. #4 REBAR VERTICAL @ 24" O.C. DOWELED INTO FOOTING.
8. CONTINUOUS CONCRETE FOOTING.
9. (2) #4 REBARS IN BOND BEAM.
10. FLOOR DECK.
11. RIM JOIST.



MASONRY STEM WALL

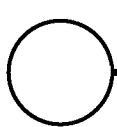
1/2" = 1'-0"

03A-1029



1. FLOOR JOISTS.
2. R-19 FIBERGLASS INSULATION.
3. 2 X BLOCKING BETWEEN JOISTS.
4. 3/4" FLOOR DECK.
5. FINISHED GRADE.
6. CONCRETE PAD WITH (3) #4 REBAR EACH WAY.
7. "SIMPSON" POST CAP.
8. "SIMPSON" POST BASE.
9. (3) 2 X 10 BEAM.
10. 4 X 6 POST.

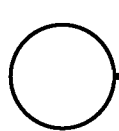
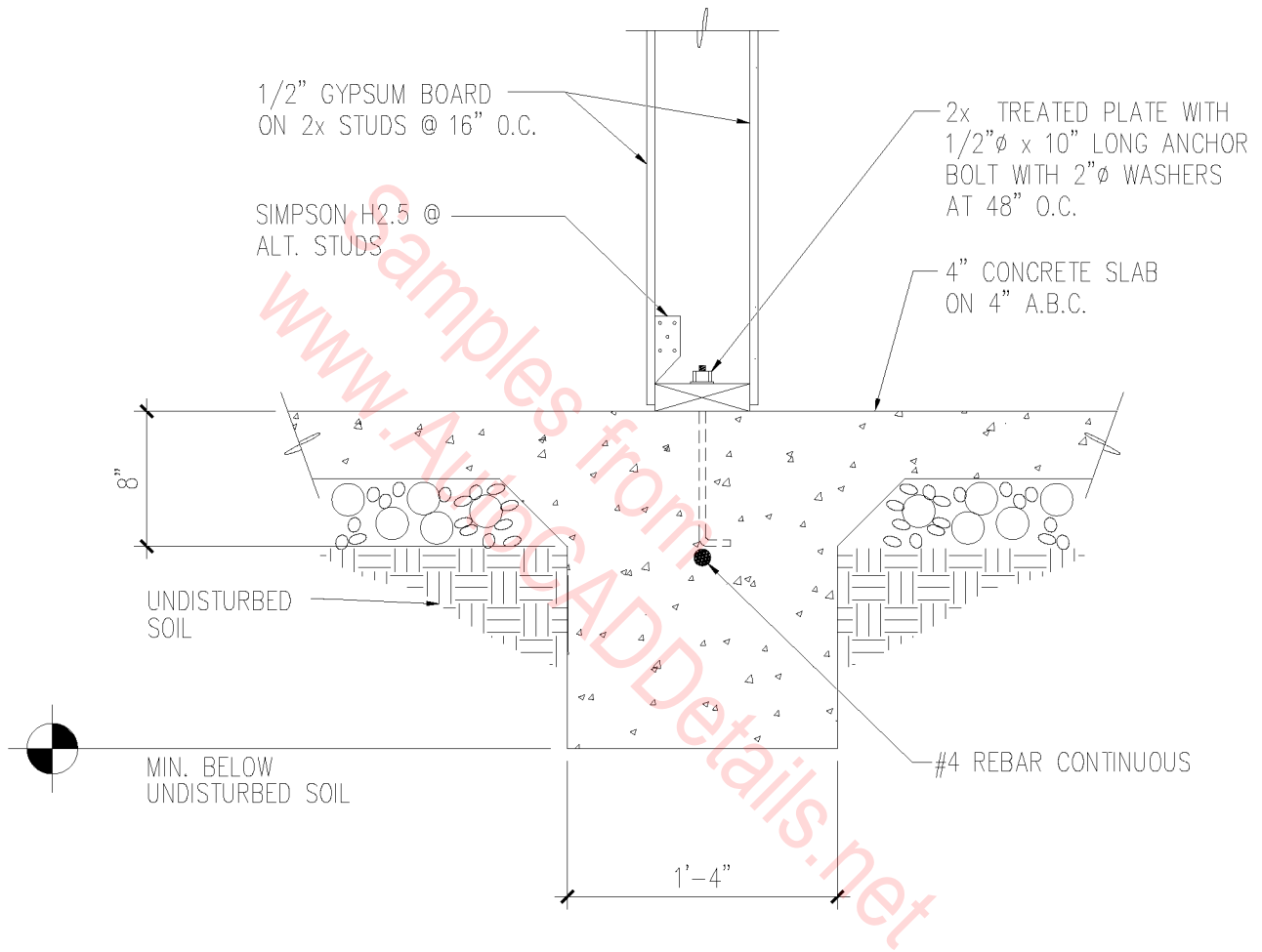
Samples from
www.AutoCADDetails.net



PAD DETAIL

1/2" = 1'-0"

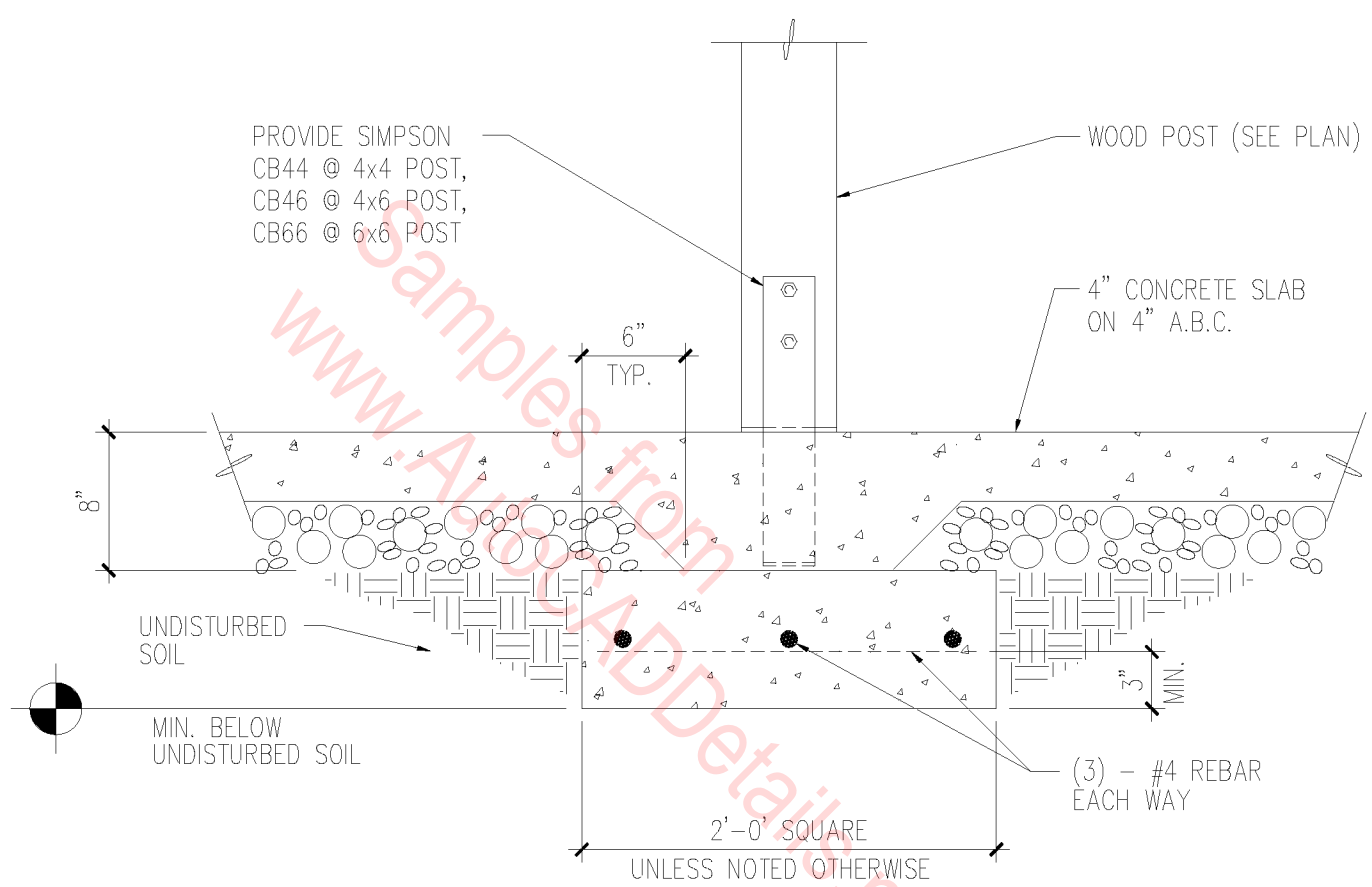
03A-1030



INT. BEARING FOOTING

1" = 1'-0"

03A-1031



PROVIDE SIMPSON
 CB44 @ 4x4 POST,
 CB46 @ 4x6 POST,
 CB66 @ 6x6 POST

WOOD POST (SEE PLAN)

4" CONCRETE SLAB
 ON 4" A.B.C.

UNDISTURBED
 SOIL

MIN. BELOW
 UNDISTURBED
 SOIL

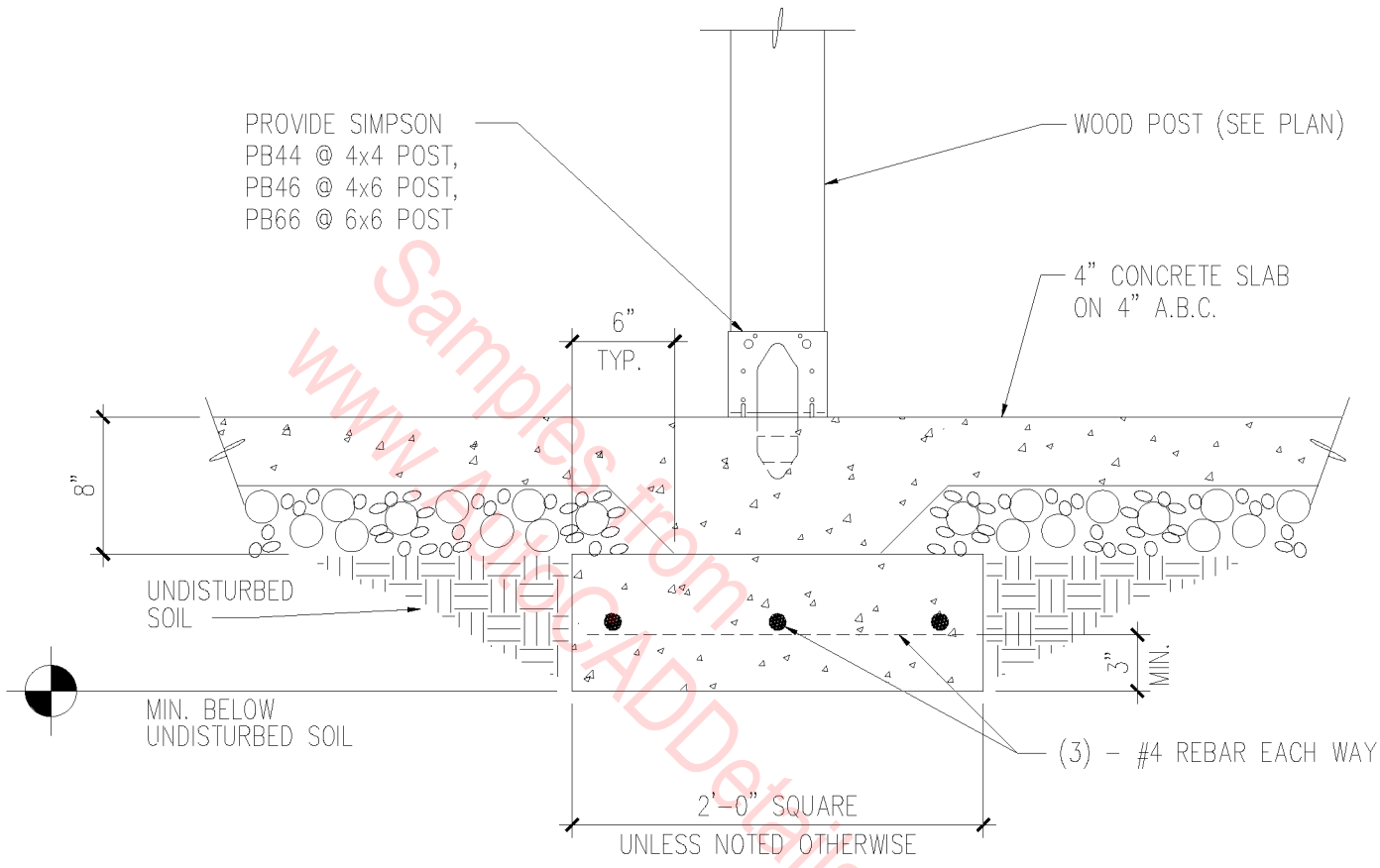
(3) - #4 REBAR
 EACH WAY

2'-0" SQUARE
 UNLESS NOTED OTHERWISE

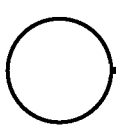
NOTE: PROVIDE A 3" MIN. SIDECOVER
 ALL AROUND FASTENER.

WOOD COL. @ FTG. "CB"
 1" = 1'-0"

03A-1032



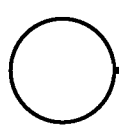
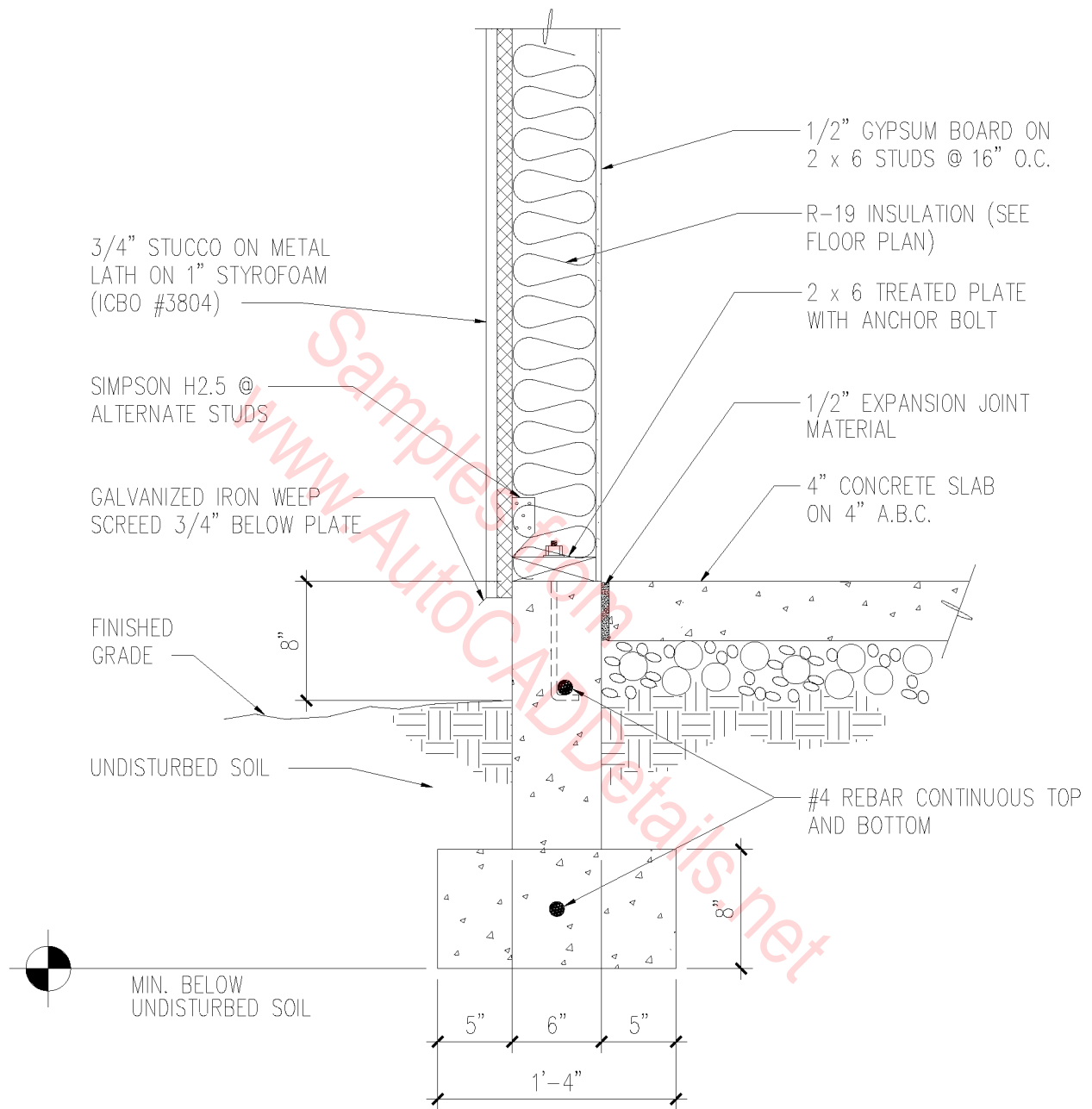
NOTE: PROVIDE A 2" MIN. SIDECOVER ALL AROUND FASTENER.



WOOD COL. @ FTG.

1" = 1'-0"

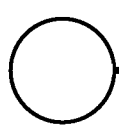
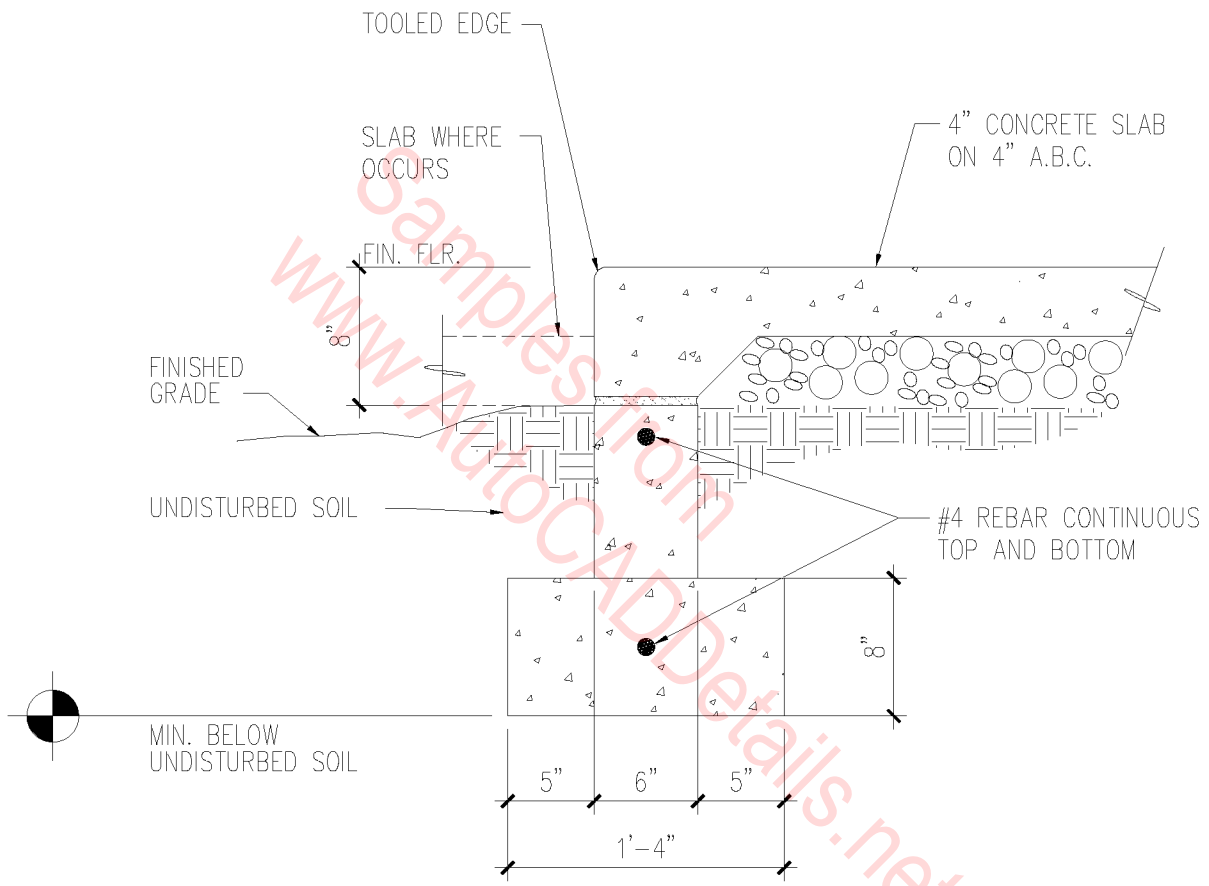
03A-1033



EXTERIOR FOOTING

1" = 1'-0"

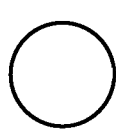
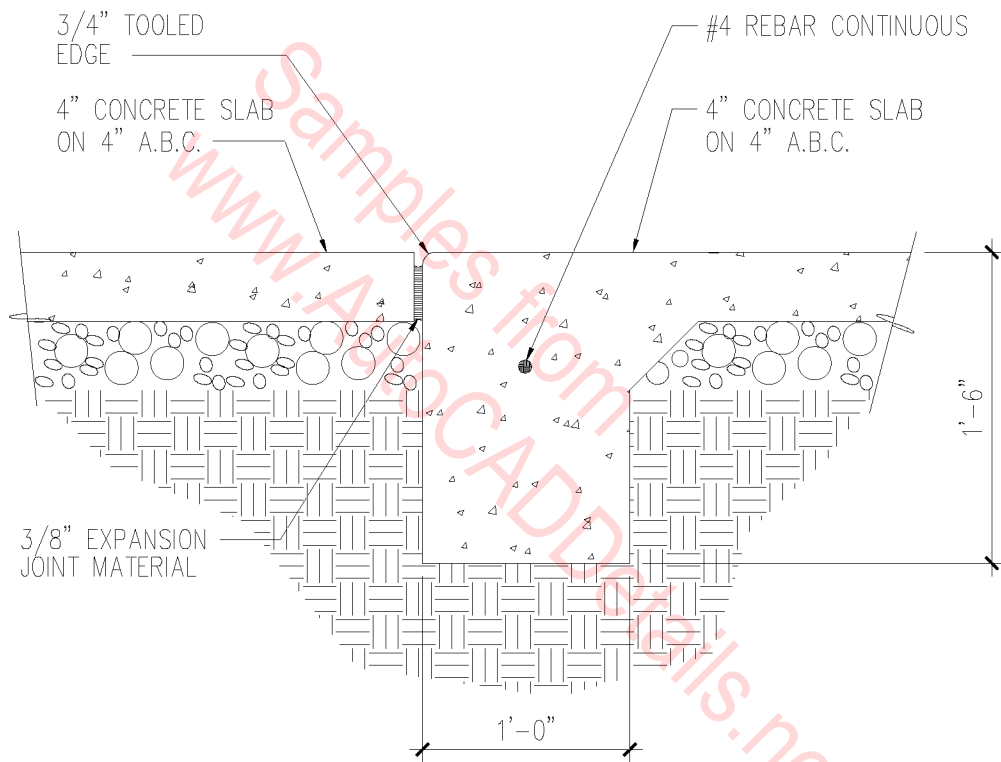
03A-1034



DEPRESSED STEM

1" = 1'-0"

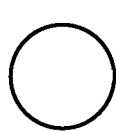
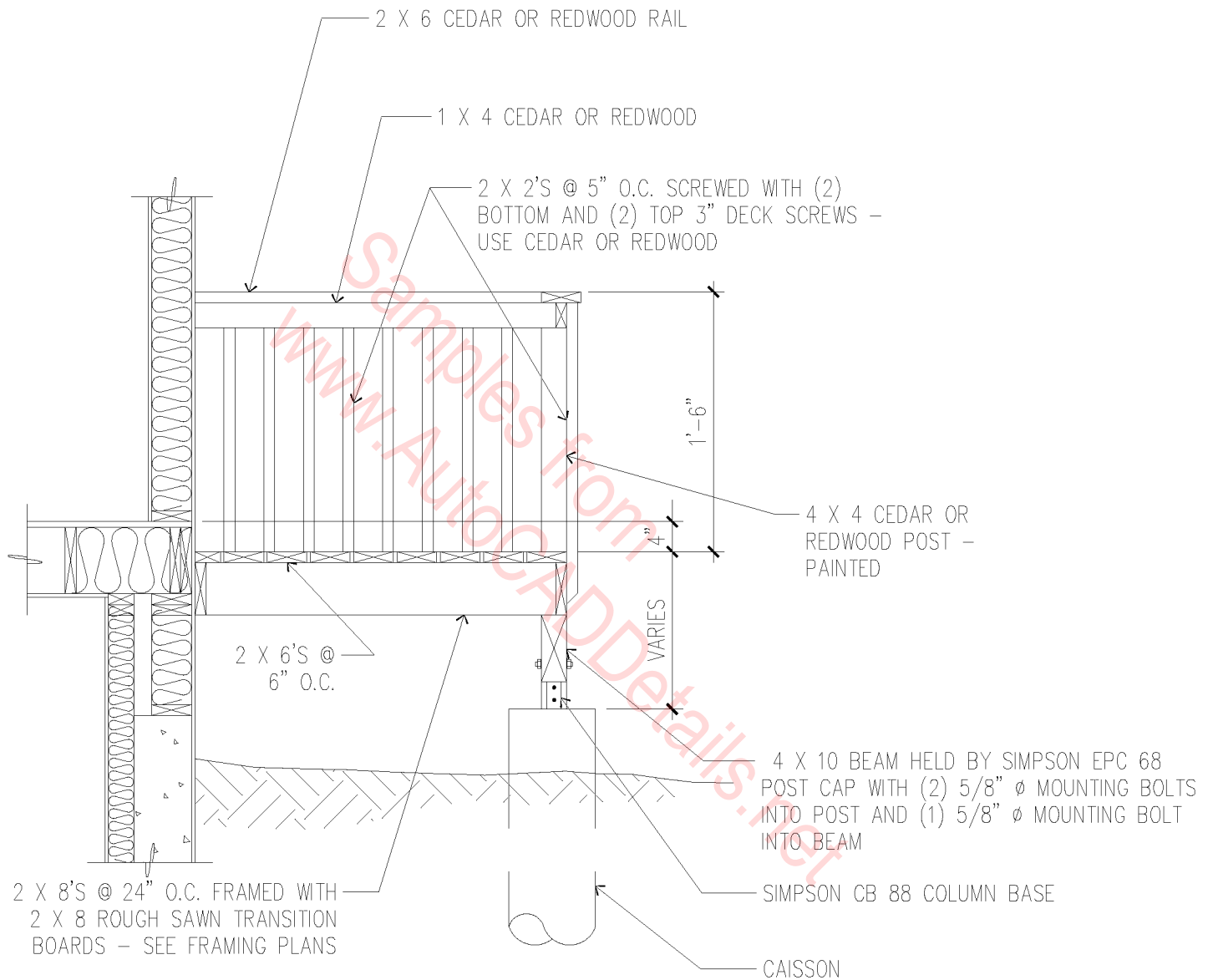
03A-1035



TURN DOWN @ GARAGE

1" = 1'-0"

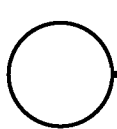
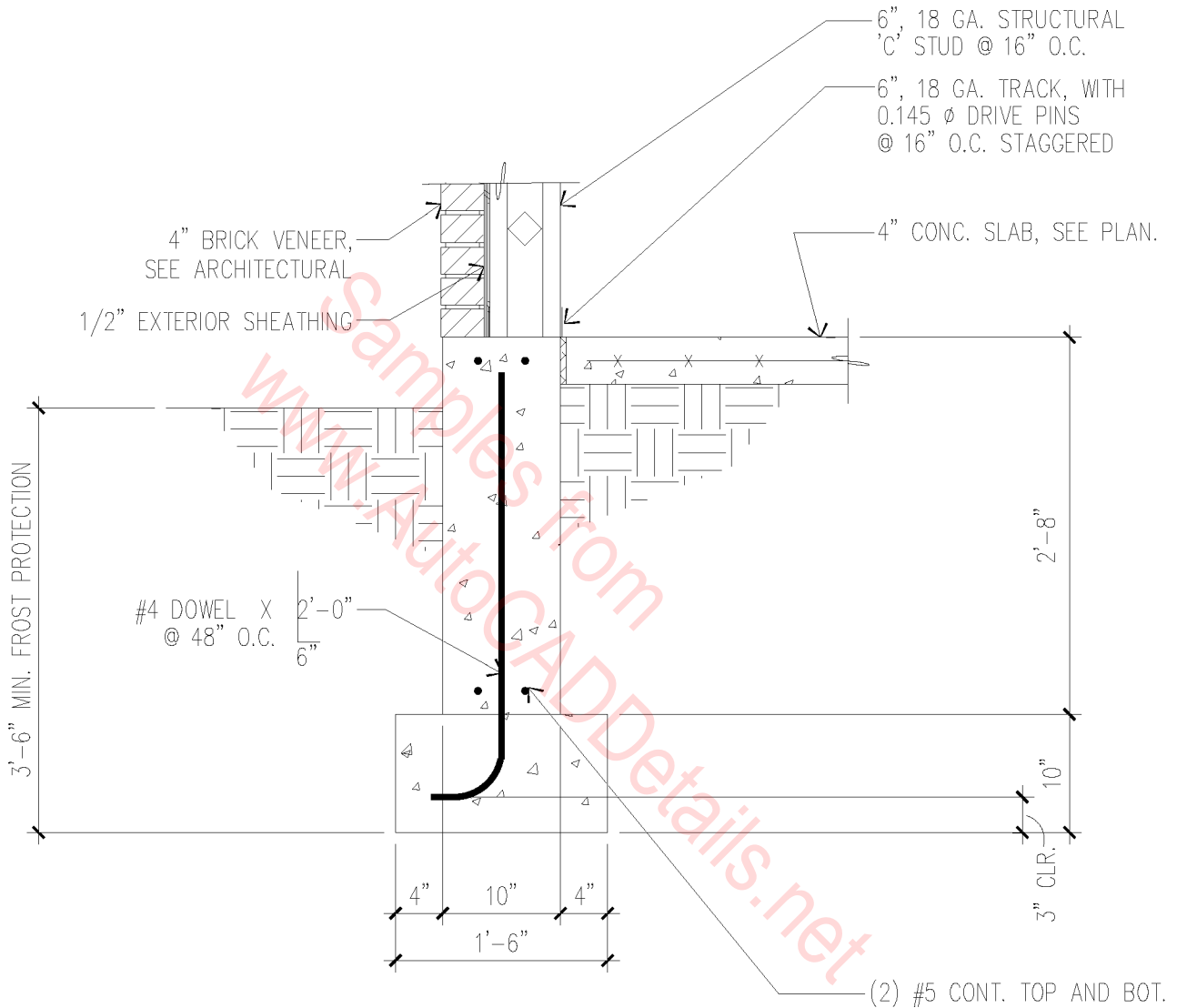
03A-1036



TYPICAL DECK SECTION

1/2" = 1'-0"

03A-1037



FOOTING & STEM WALL

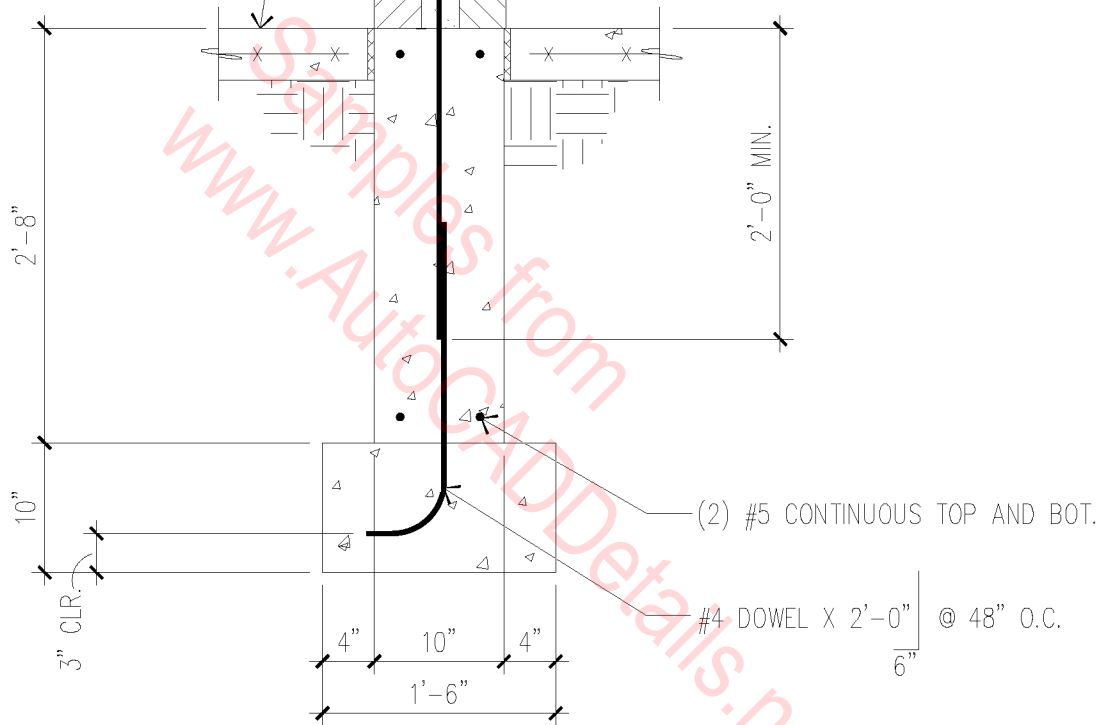
3/4" = 1'-0"

03A-1038

4" BRICK VENEER,
SEE ARCHITECTURAL

4" CONCRETE SLAB,
SEE PLAN.

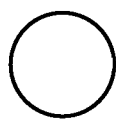
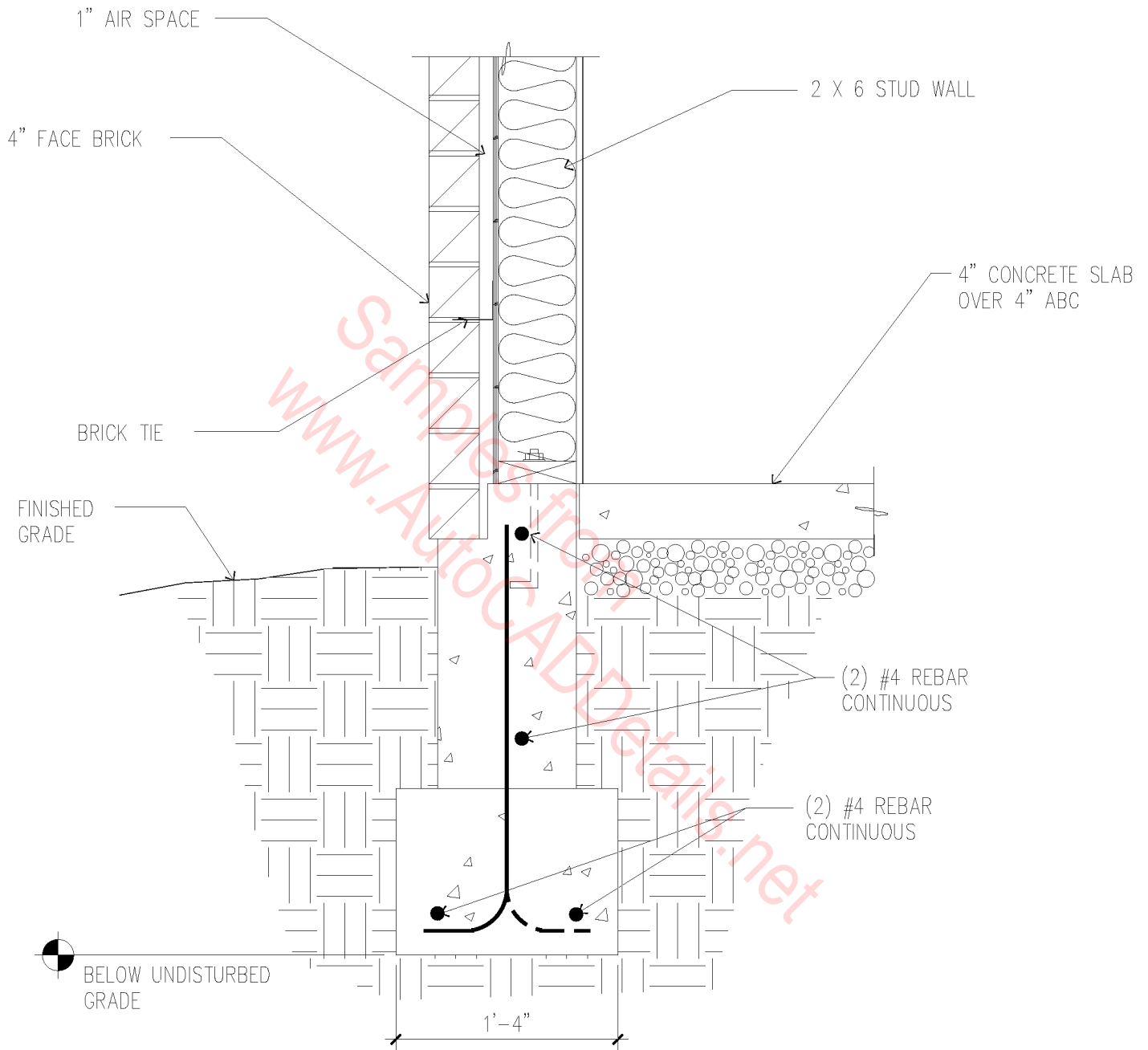
#4 @ 24" O.C. EACH WAY, CENTERED
IN FULLY GROUTED CENTER.



INTERIOR FOOTING & STEM WALL

$\frac{3}{4}" = 1'-0"$

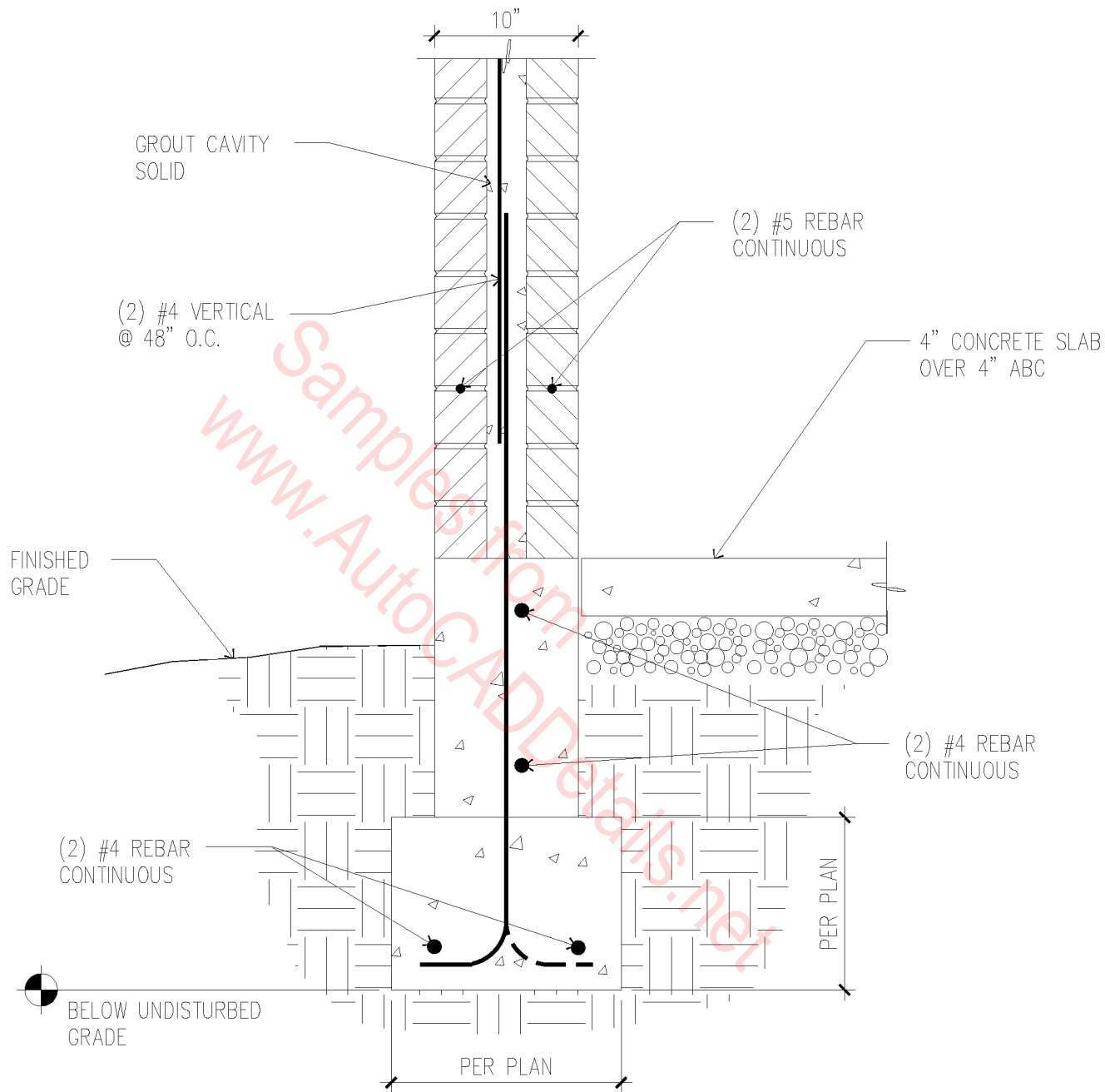
03A-1039



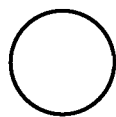
BRICK VENEER @ FTG.

1" = 1'-0"

03A-1040



LOAD BEARING BRICK WALL

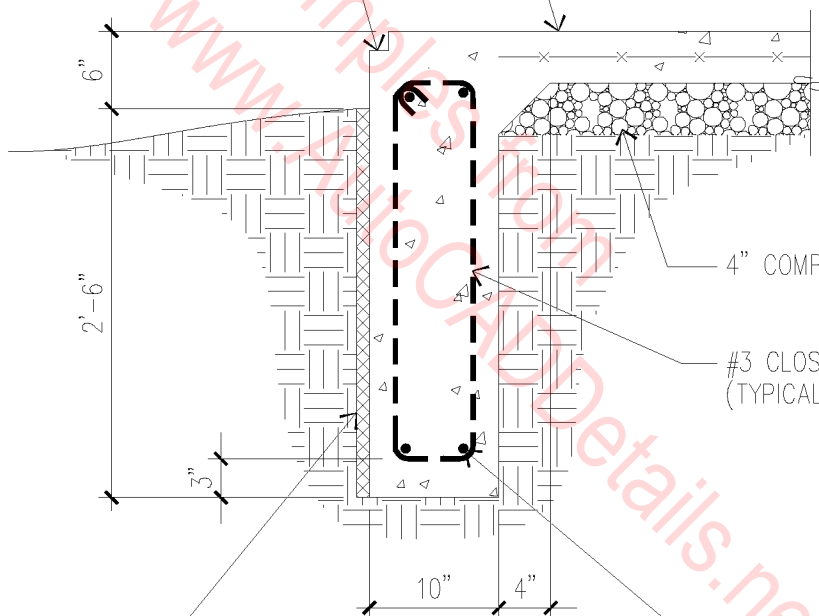


1" = 1'-0"

03A-1041

1-1/2" X 1-1/2" CONTINUOUS SHEETING LEDGE

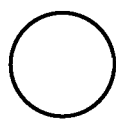
4" CONCRETE SLAB W/ 6X6 - W.1.4/W.1.4 WELDED WIRE FABRIC



#3 CLOSED STIRRUPS @ 4'-0" O.C. (TYPICAL FOR ALIGNMENT)

RIGID INSULATION (R-5 MINIMUM)

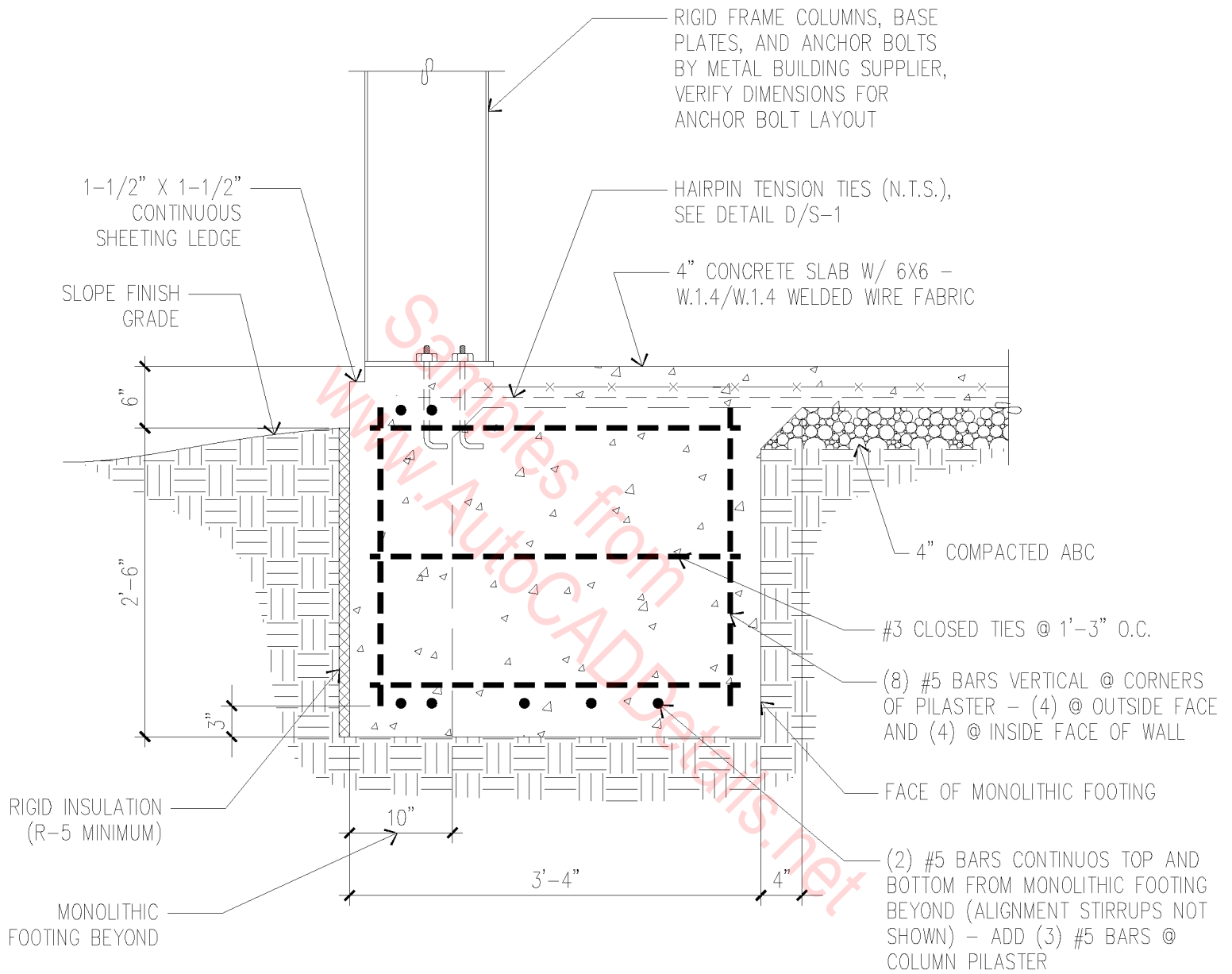
(2) #5 BARS CONTINUOUS TOP AND BOTTOM



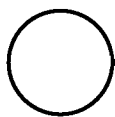
MONOLITHIC FOOTING

3/4" = 1'-0"

03A-1042

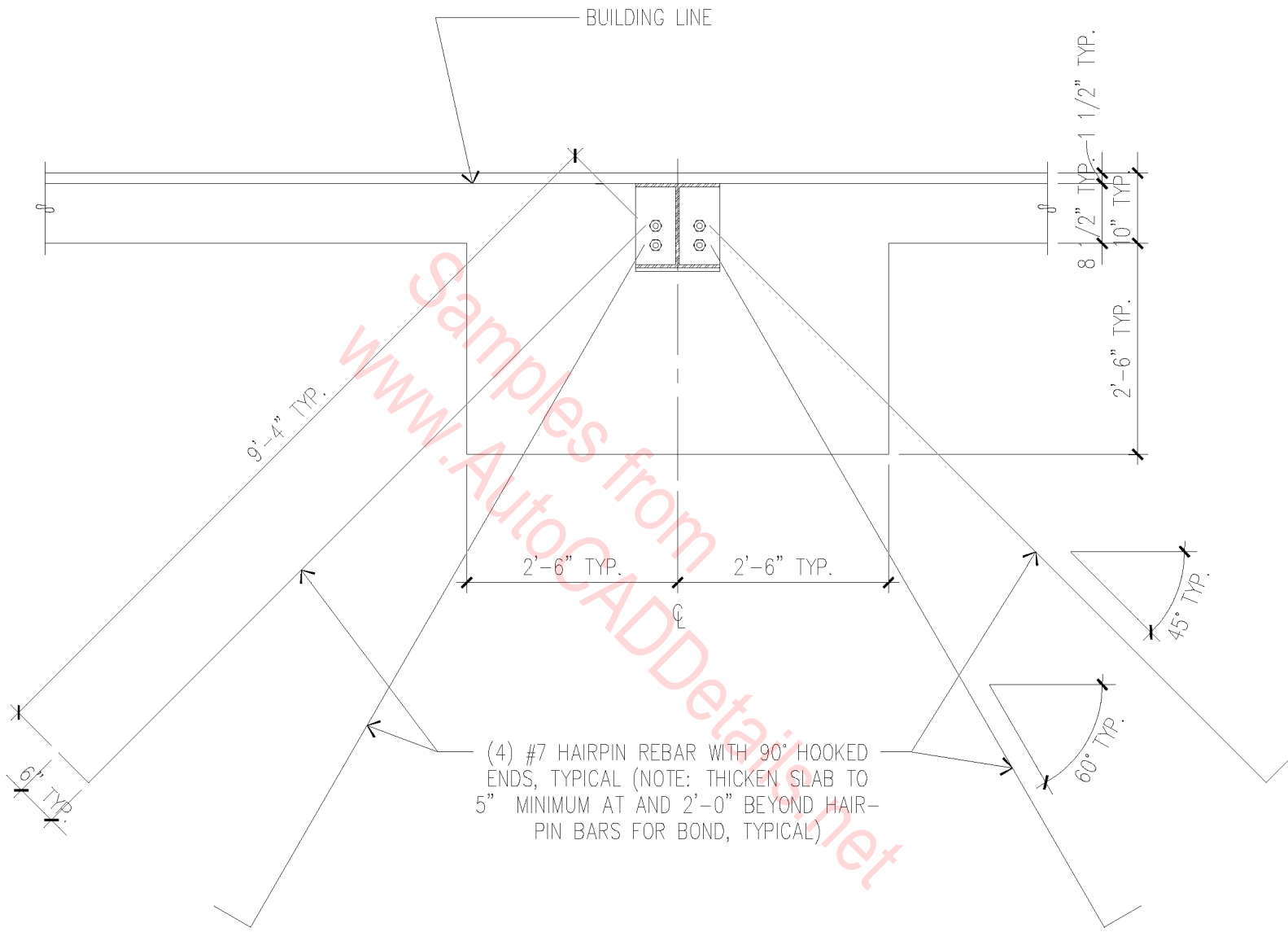


MONOLITHIC FOOTING @ RIGID FRAME COLUMN



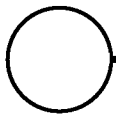
3/4" = 1'-0"

03A-1043



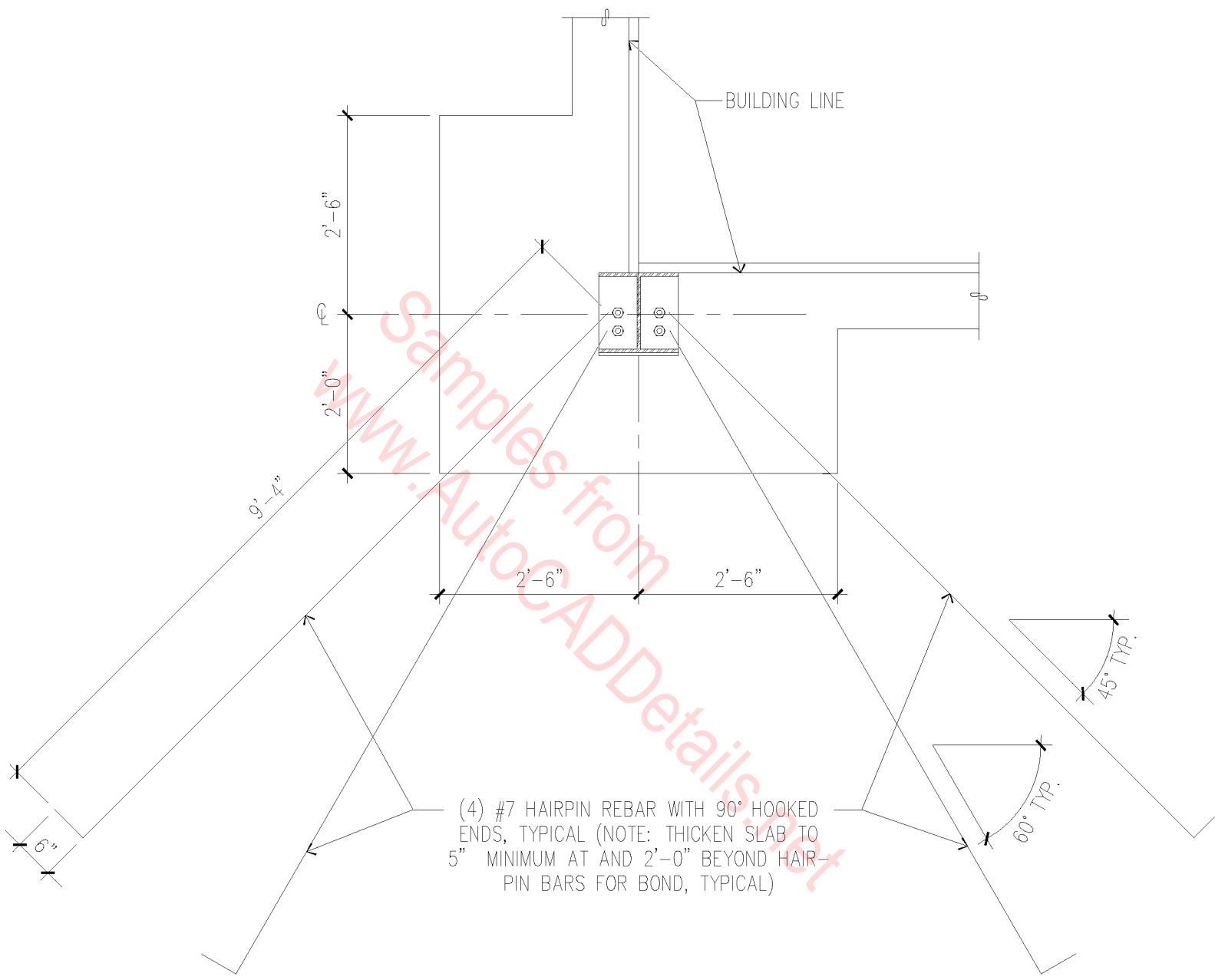
(4) #7 HAIRPIN REBAR WITH 90° HOOKED ENDS, TYPICAL (NOTE: THICKEN SLAB TO 5" MINIMUM AT AND 2'-0" BEYOND HAIR-PIN BARS FOR BOND, TYPICAL)

RIGID FRAME COLUMN FOOTING

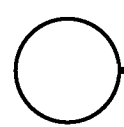


1/2" = 1'-0"

03A-1044

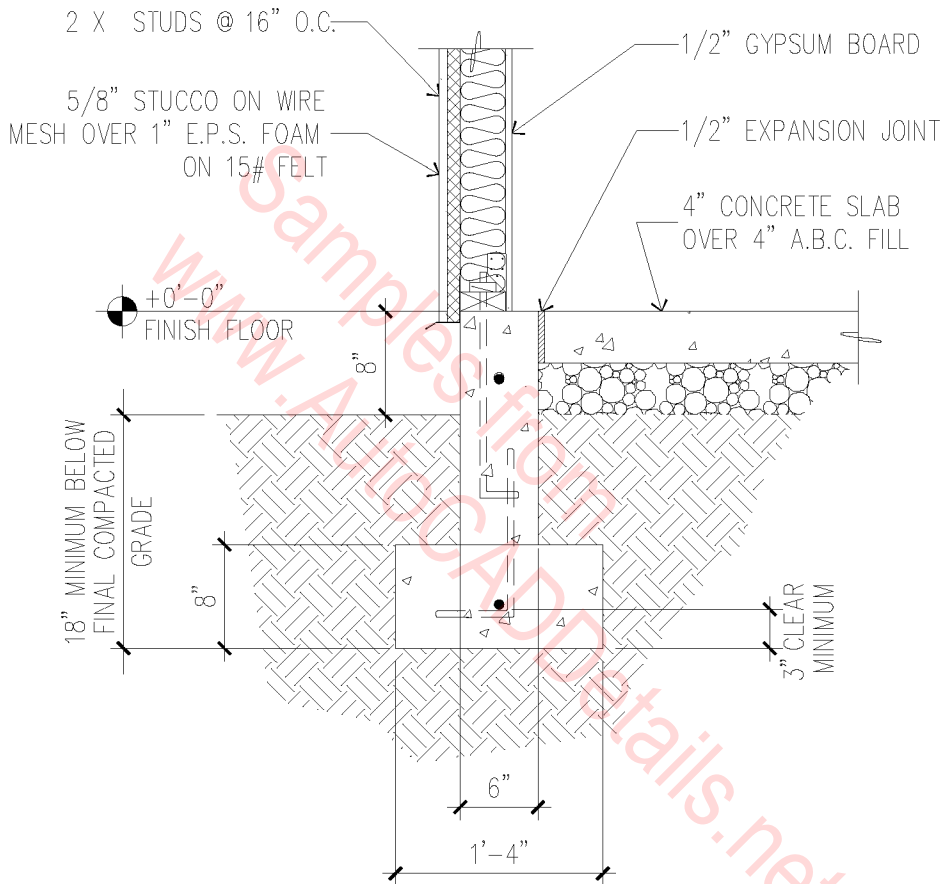


RIGID FRAME COLUMN FOOTING



1/2" = 1'-0"

03A-1045

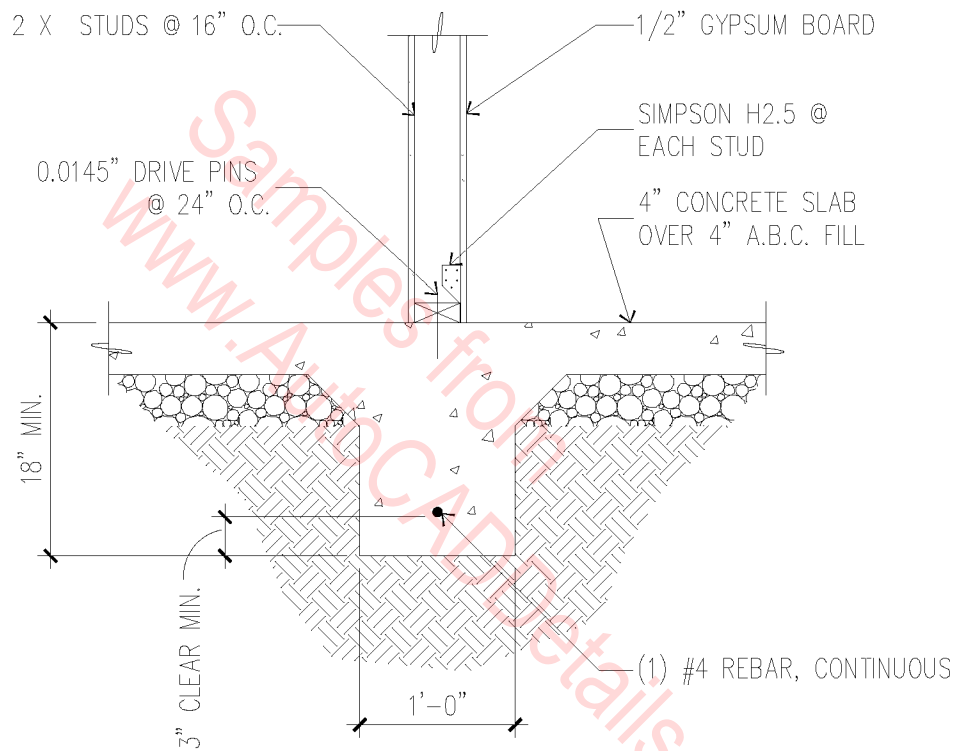


NOTE: SEE FLOOR PLAN FOR SHEAR WALL LOCATIONS AND NAILING

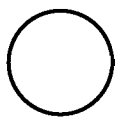
TYPICAL WALL FOOTING

3/4" = 1'-0"

03A-1046

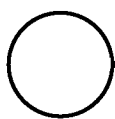
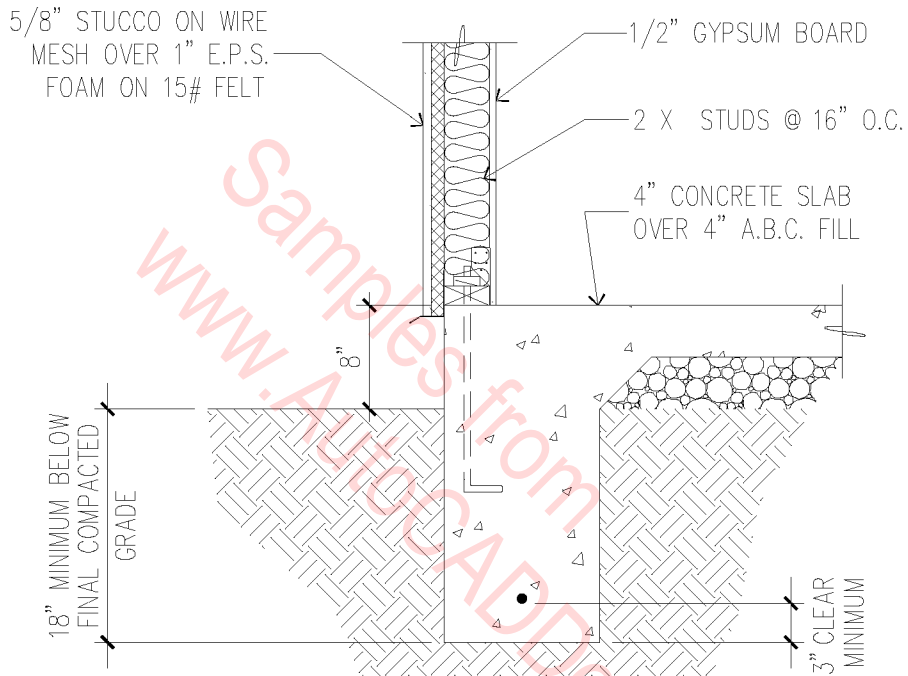


INTERIOR BEARING WALL FOOTING



3/4" = 1'-0"

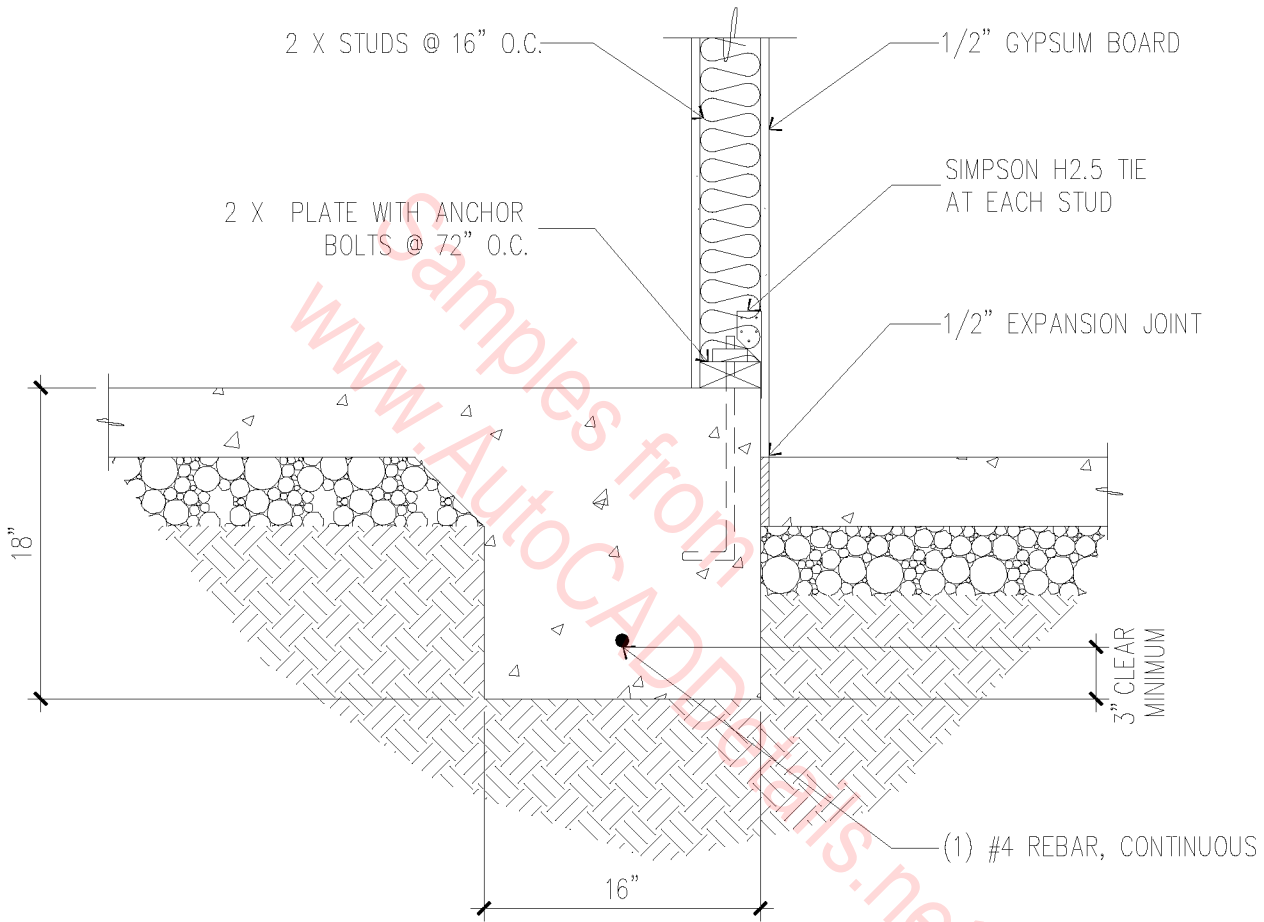
03A-1047



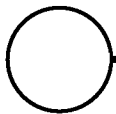
MONOLITHIC FOOTING

3/4" = 1'-0"

03A-1048

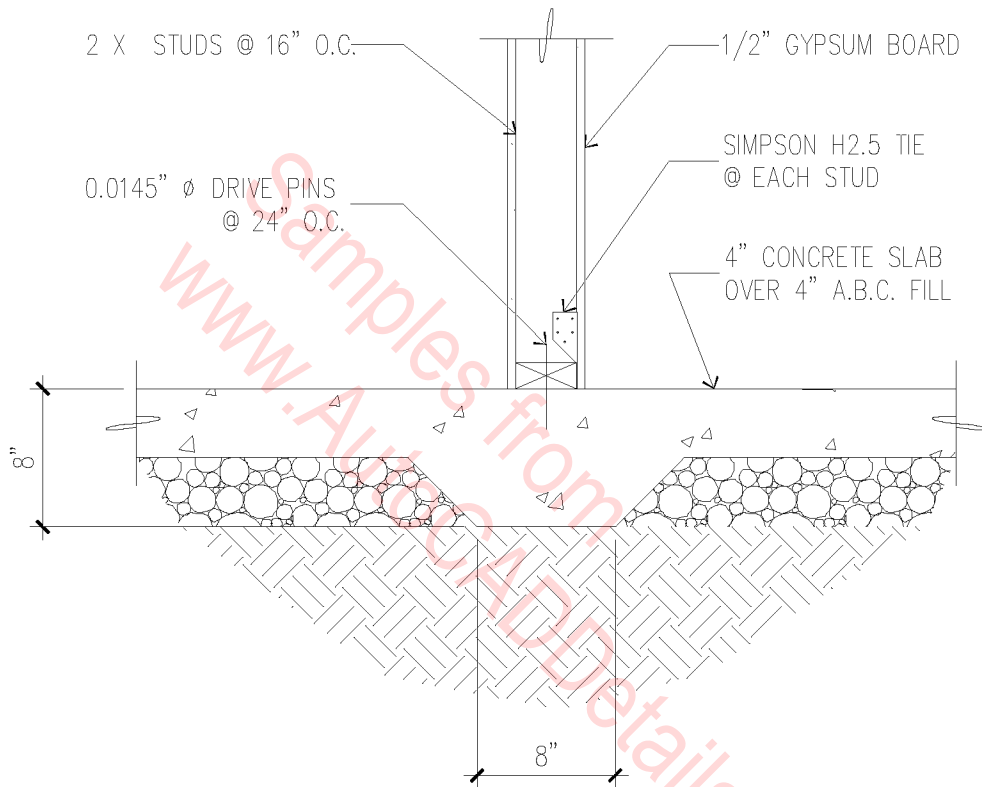


INTERIOR WALL
@ GARAGE STEPDOWN

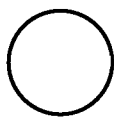


1" = 1'-0"

03A-1049

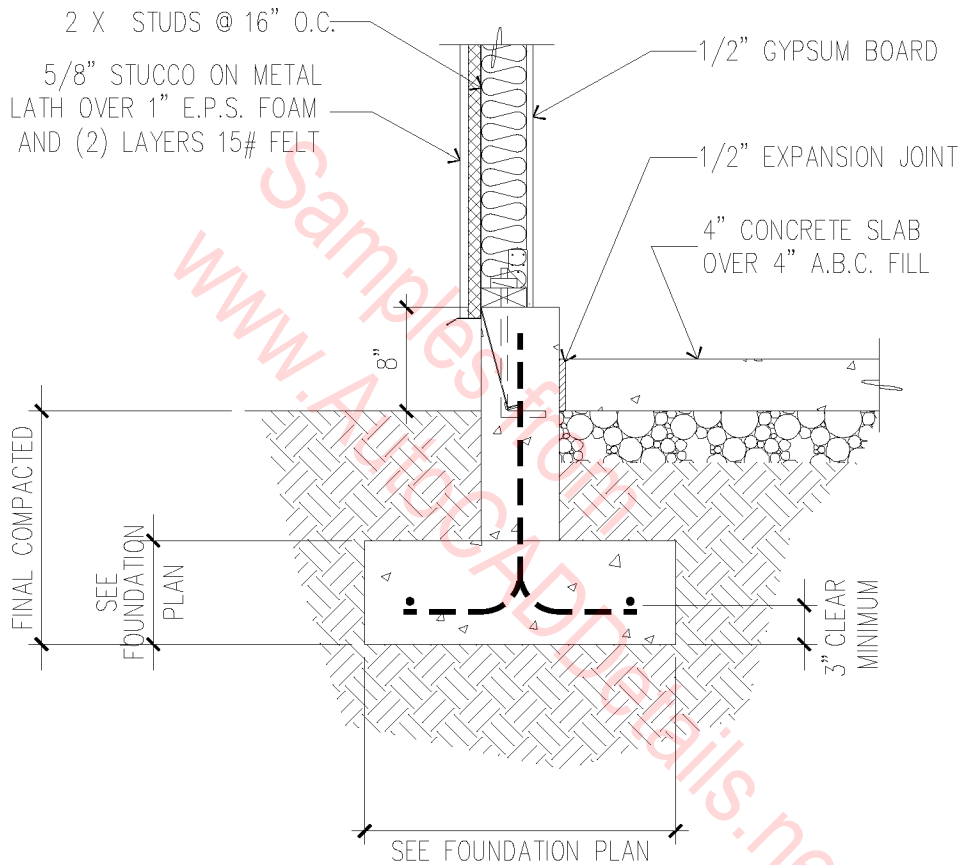


INTERIOR THICKENED SLAB

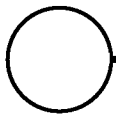


1" = 1'-0"

03A-1050

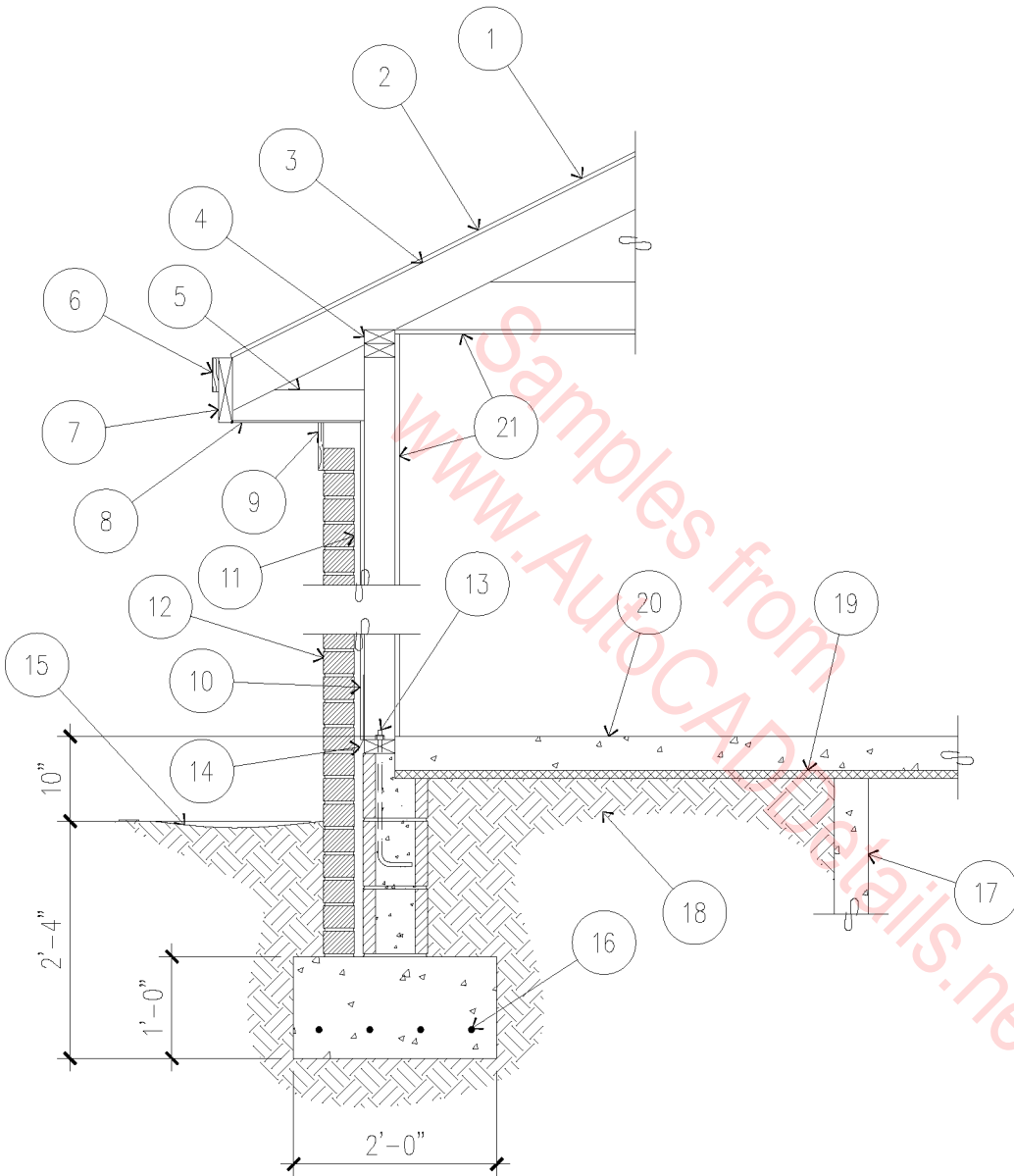


FOOTING @ BEARING WALL



3/4" = 1'-0"

03A-1051

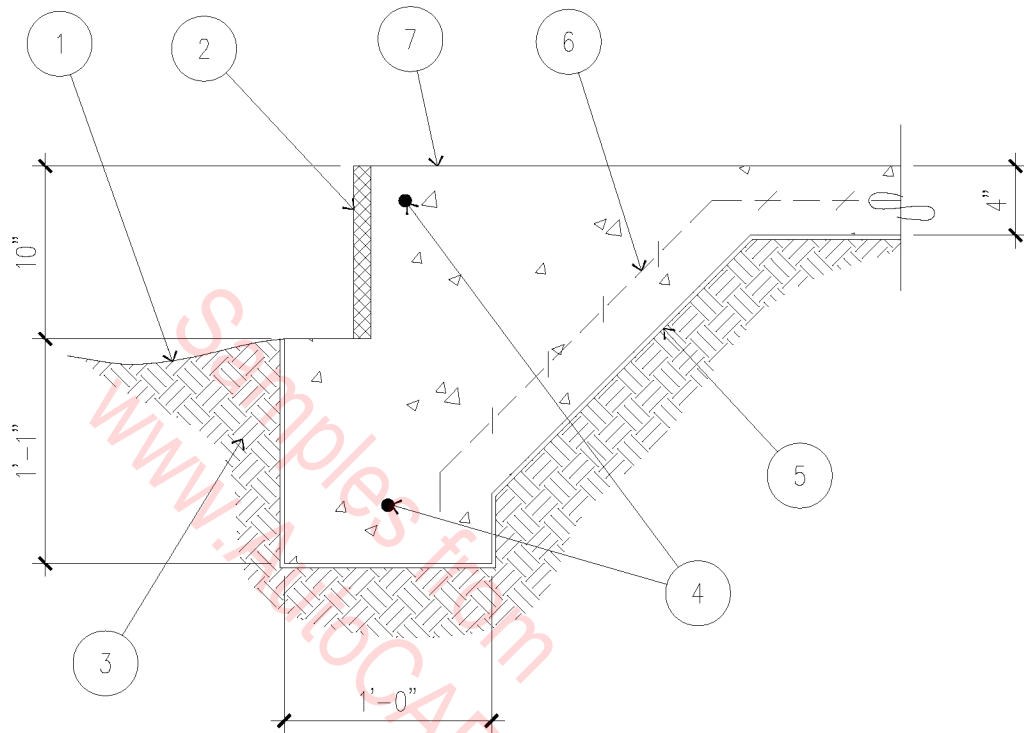


1. 15# FELT UNDERLAYMENT UNDER COMPOSITION SHINGLES.
2. ROOF DECKING.
3. 2 X RAFTERS.
4. DOUBLE TOP PLATE.
5. 2 X 4 RETURN.
6. 3/4" FASCIA.
7. 2 X FASCIA.
8. 1/4" PLYWOOD SOFFIT.
9. 1 X FREIZE BOARD.
10. INSULATION BOARD.
11. AIR SPACE.
12. BRICK WITH BRICK TIES PER MANUFACTURER'S SPECIFICATIONS.
13. 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

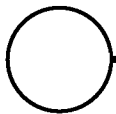
1/2" = 1'-0"

03A-1052



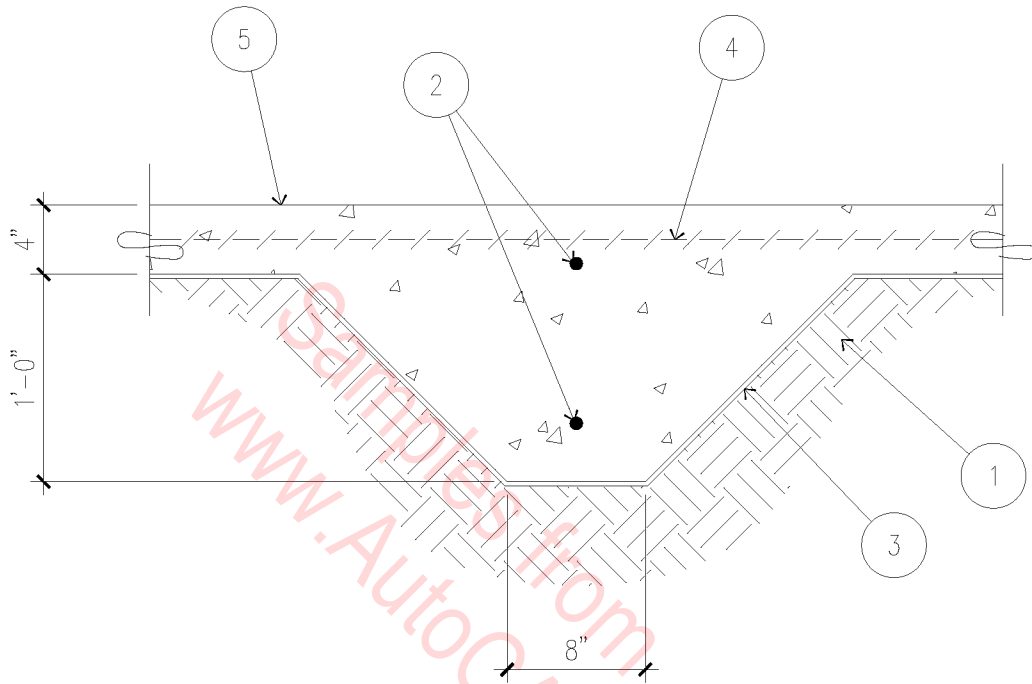
1. FINISHED GRADE - SLOPE 2" ON FIRST 24".
2. 1" INSULATION.
3. SUBGRADE.
4. #4 REBAR, CONTINUOUS.
5. 6 MIL POLY VAPOR BARRIER.
6. 6" X 6" 10 GA. X 10 GA. WIRE MESH.
7. 3,000 P.S.I. CONCRETE SLAB.

FOOTING DETAIL WITH BRICK

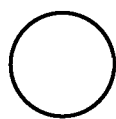


1" = 1'-0"

03A-1053



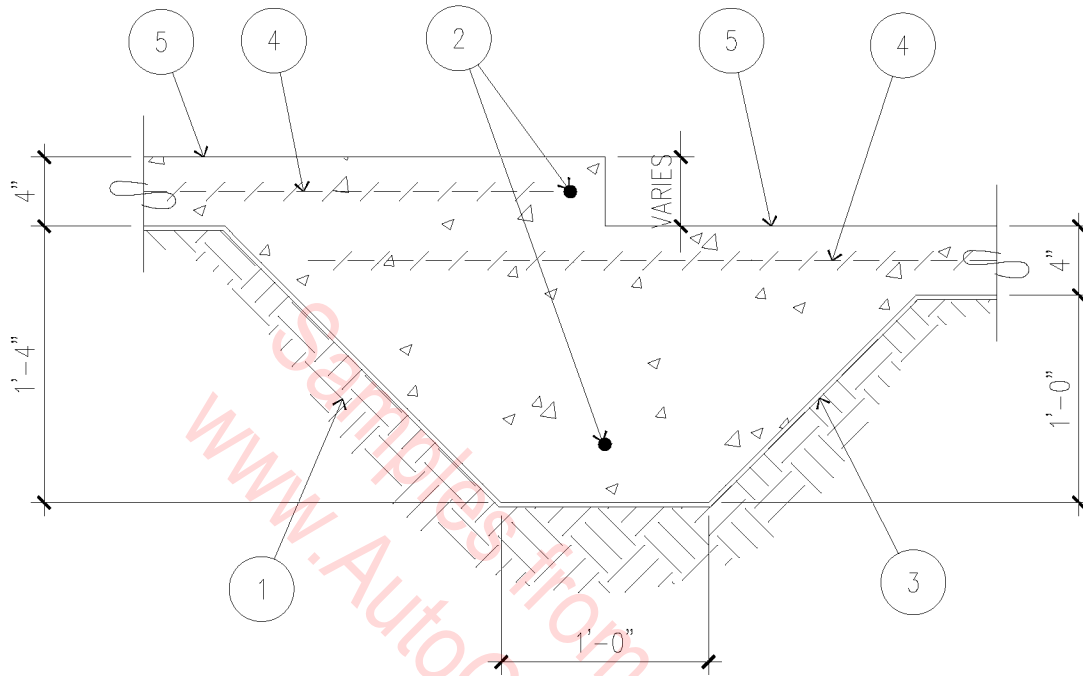
1. SUBGRADE.
2. #4 REBAR, CONTINUOUS.
3. 6 MIL POLY VAPOR BARRIER.
4. 6" X 6" 10 GA. X 10 GA. WIRE MESH.
5. 3,000 P.S.I. CONCRETE SLAB.



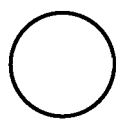
INTERIOR BEARING WALL

1" = 1'-0"

03A-1054



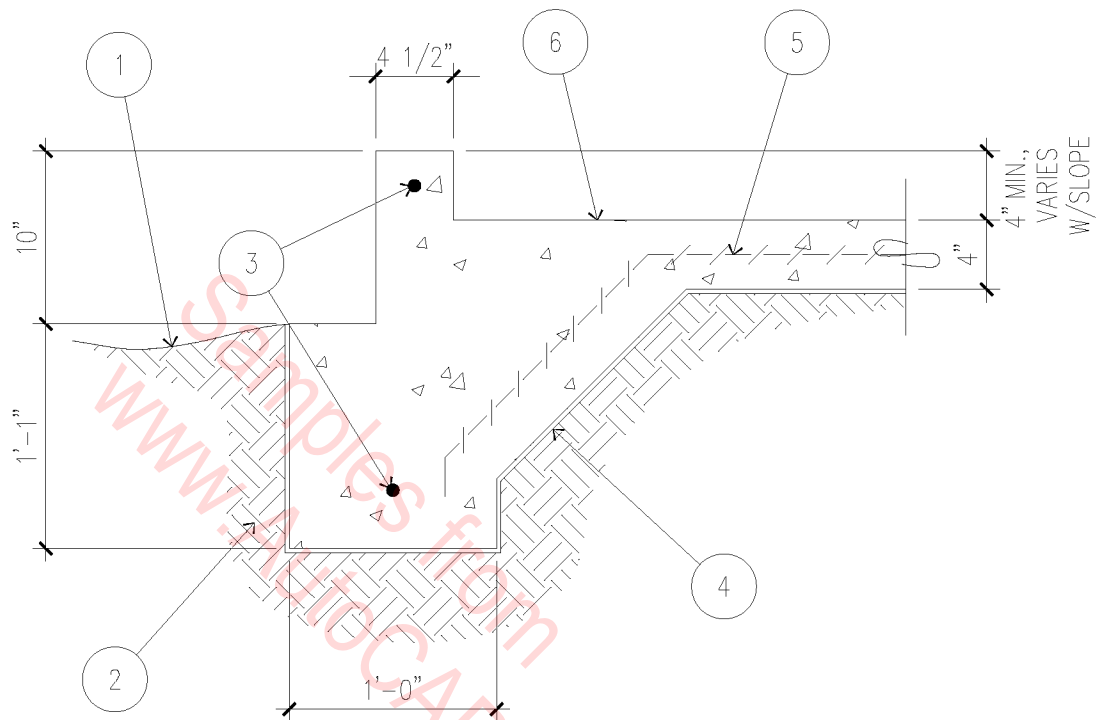
1. SUBGRADE.
2. #4 REBAR, CONTINUOUS.
3. 6 MIL POLY VAPOR BARRIER.
4. 6" X 6" 10 GA. X 10 GA. WIRE MESH.
5. 3,000 P.S.I. CONCRETE SLAB.



MAIN SLAB TO GARAGE

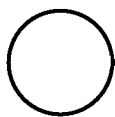
1" = 1'-0"

03A-1055



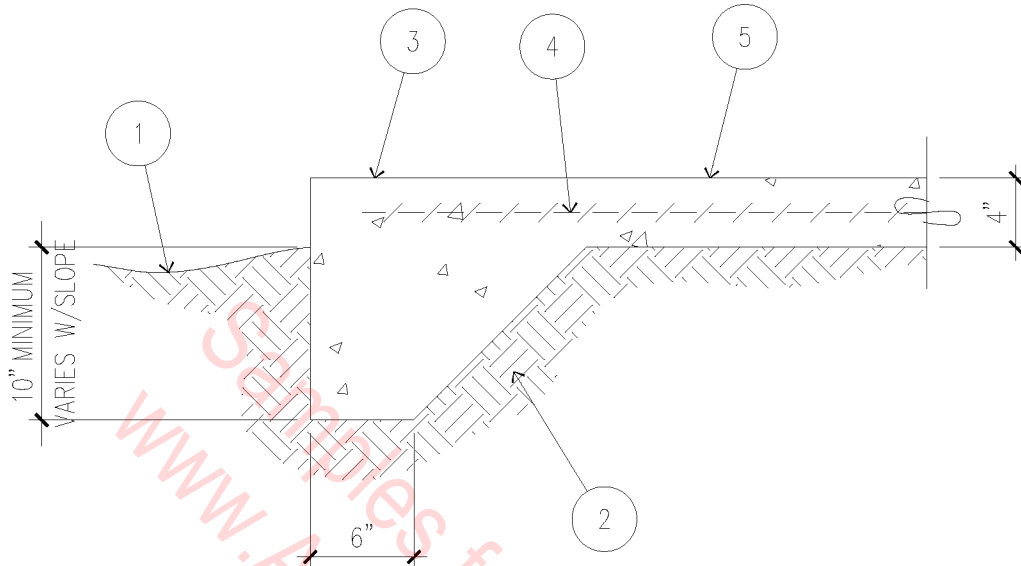
1. FINISHED GRADE - SLOPE 2" ON FIRST 24".
2. SUBGRADE.
3. #4 REBAR, CONTINUOUS.
4. 6 MIL POLY VAPOR BARRIER.
5. 6" X 6" 10 GA. X 10 GA. WIRE MESH.
6. 3,000 P.S.I. CONCRETE SLAB.

FOOTING DETAIL AT CURB



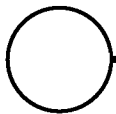
1" = 1'-0"

03A-1056



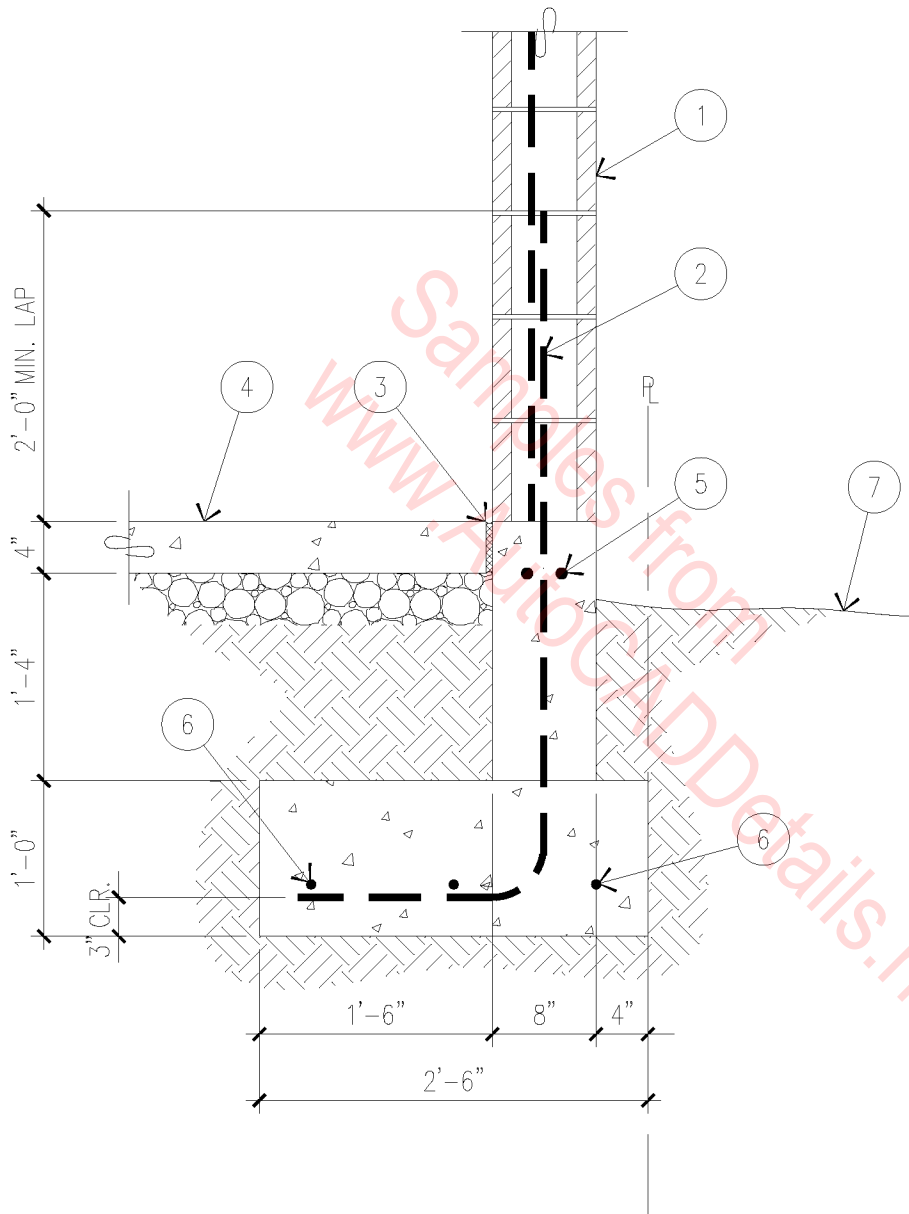
1. FINISHED GRADE.
2. SUBGRADE.
3. AGGREGATE FINISH.
4. 6" X 6" 10 GA. X 10 GA. WIRE MESH.
5. 3,000 P.S.I. CONCRETE SLAB.

FOOTING DETAIL AT PORCH



1" = 1'-0"

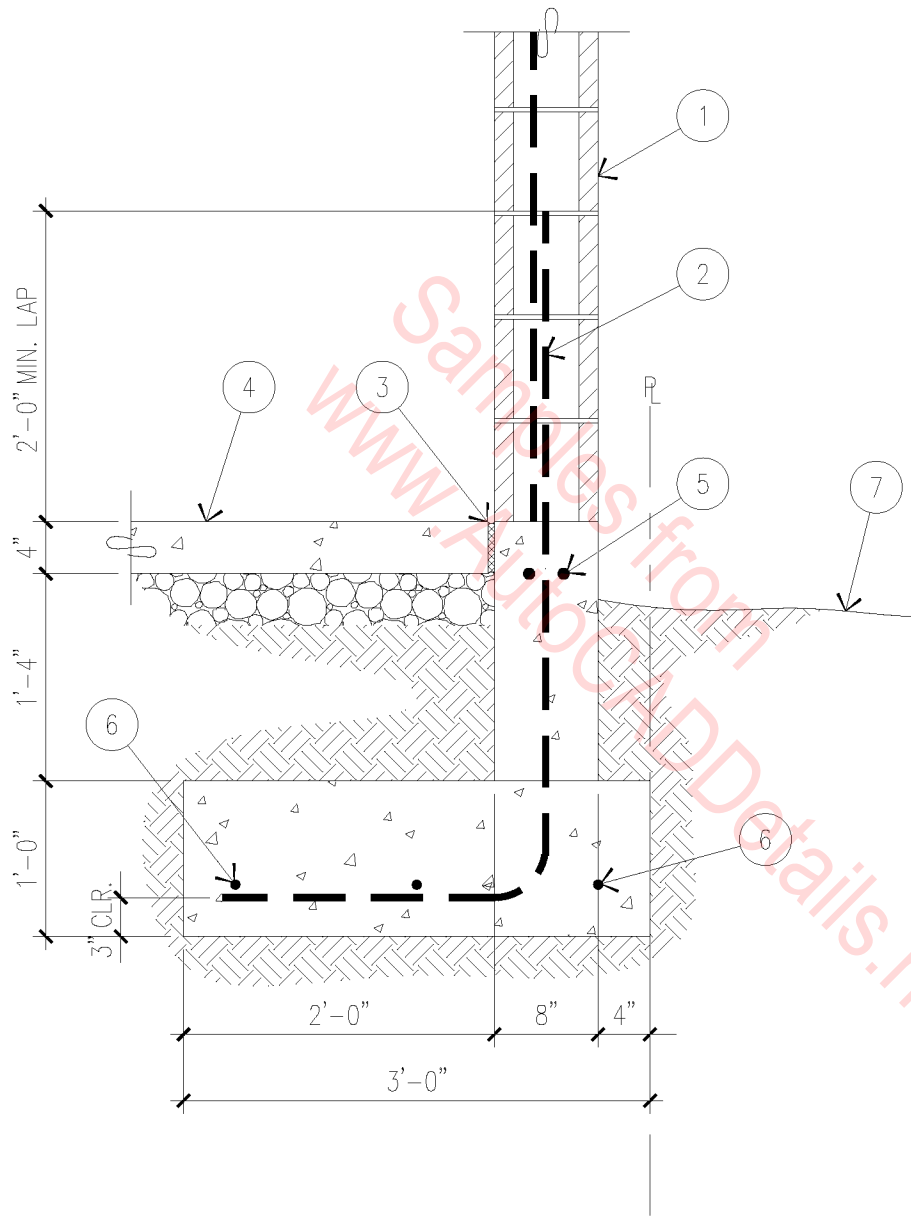
03A-1057



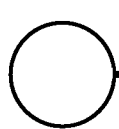
1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (3) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.

FOOTING
 $\bigcirc = 3/4" = 1'-0"$

03A-1058



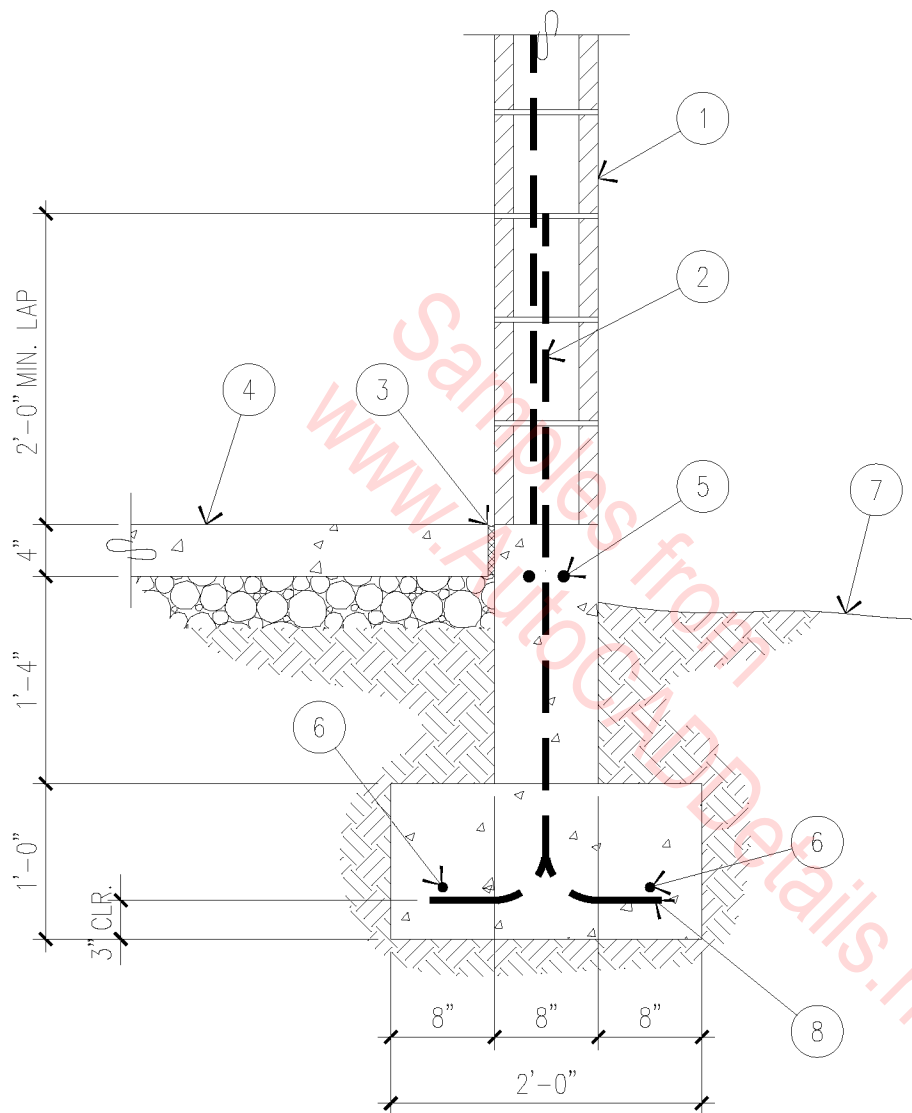
1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (3) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.



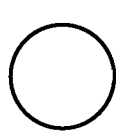
FOOTING

3/4" = 1'-0"

03A-1059



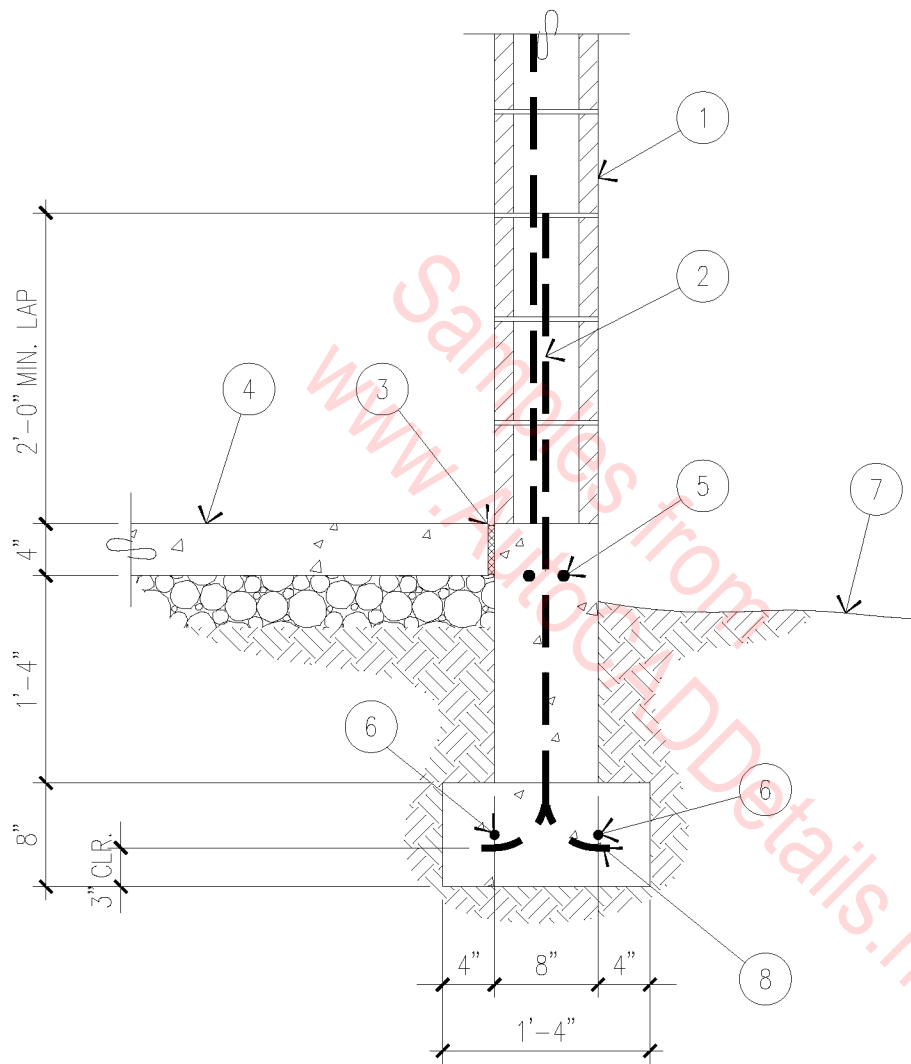
1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (2) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.
8. ALTERNATE BENDS.



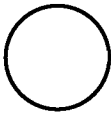
FOOTING

3/4" = 1'-0"

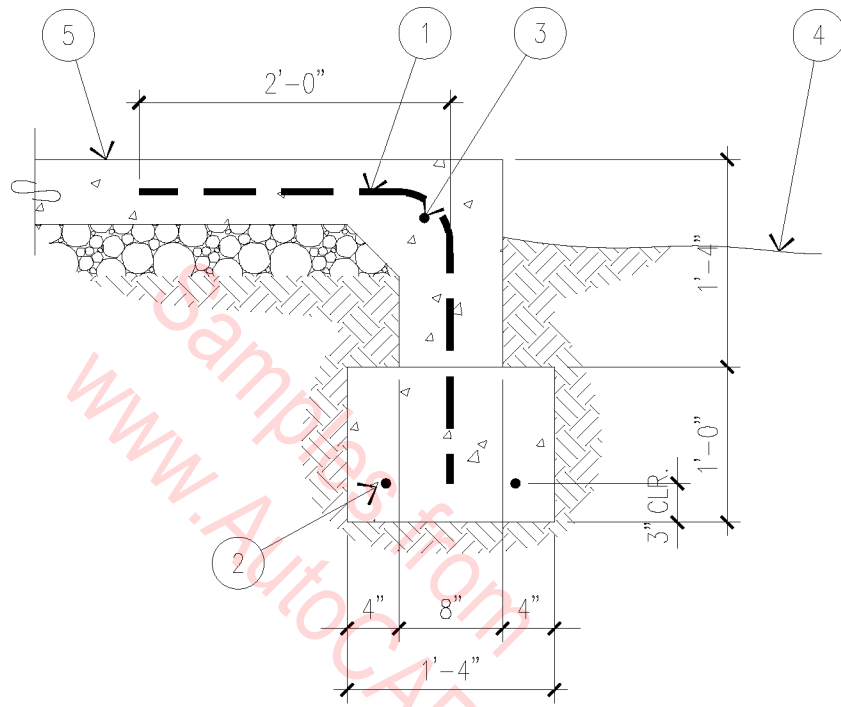
03A-1060



1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (2) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.
8. ALTERNATE BENDS.


FOOTING
 3/4" = 1'-0"

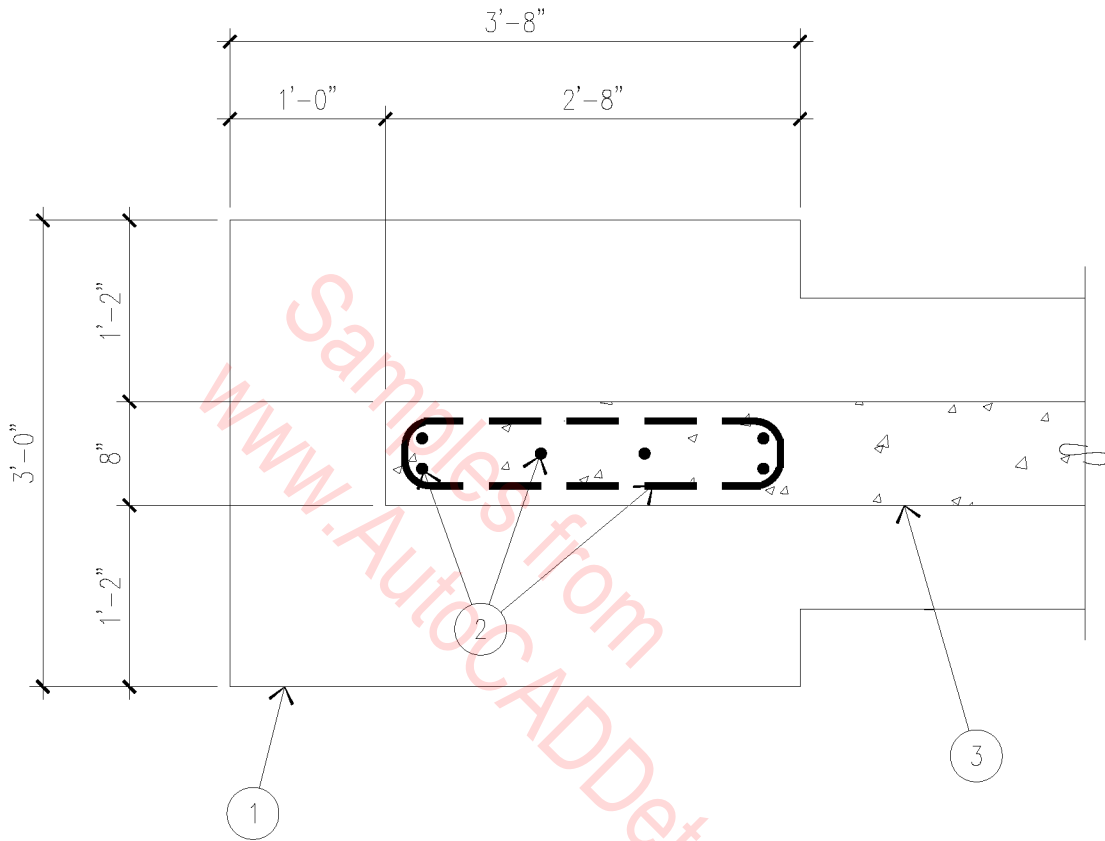
03A-1061



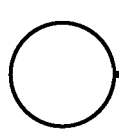
1. #4 REBAR @ 18" O.C.
2. (2) #4 REBARS, CONTINUOUS.
3. #4 REBAR, CONTINUOUS.
4. FINISHED GRADE.
5. 5" CONCRETE SLAB OVER 4" ABC.

○ FOOTING
 3/4" = 1'-0"

03A-1062



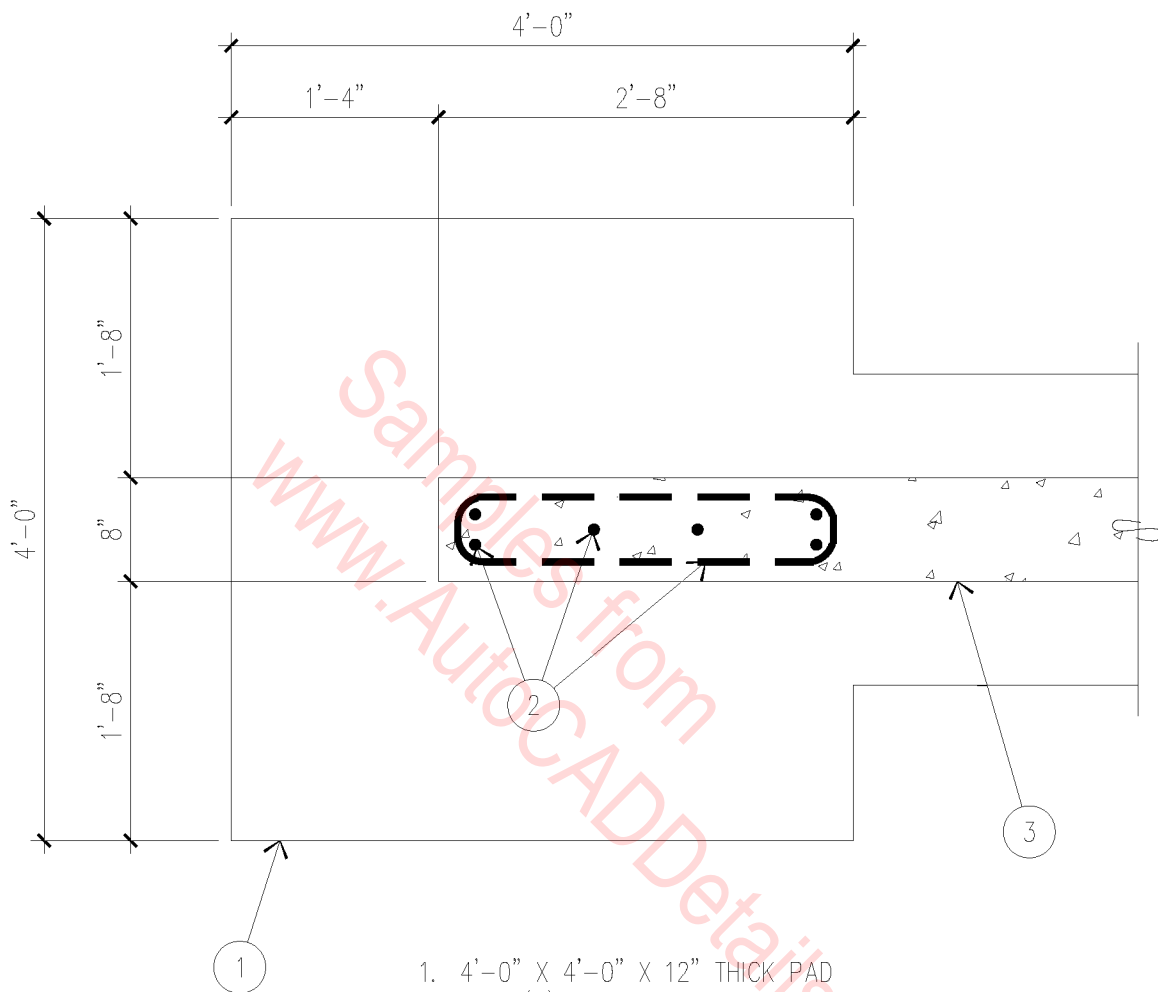
1. 3'-8" X 3'-0" X 12" THICK PAD WITH #5 REBARS @ 12" O.C., EACH WAY.
2. (6) #5 VERTICALS WITH #2 TIES @ 8" O.C.
3. 8" CAST IN PLACE STEM WALL.



PAD

3/4" = 1'-0"

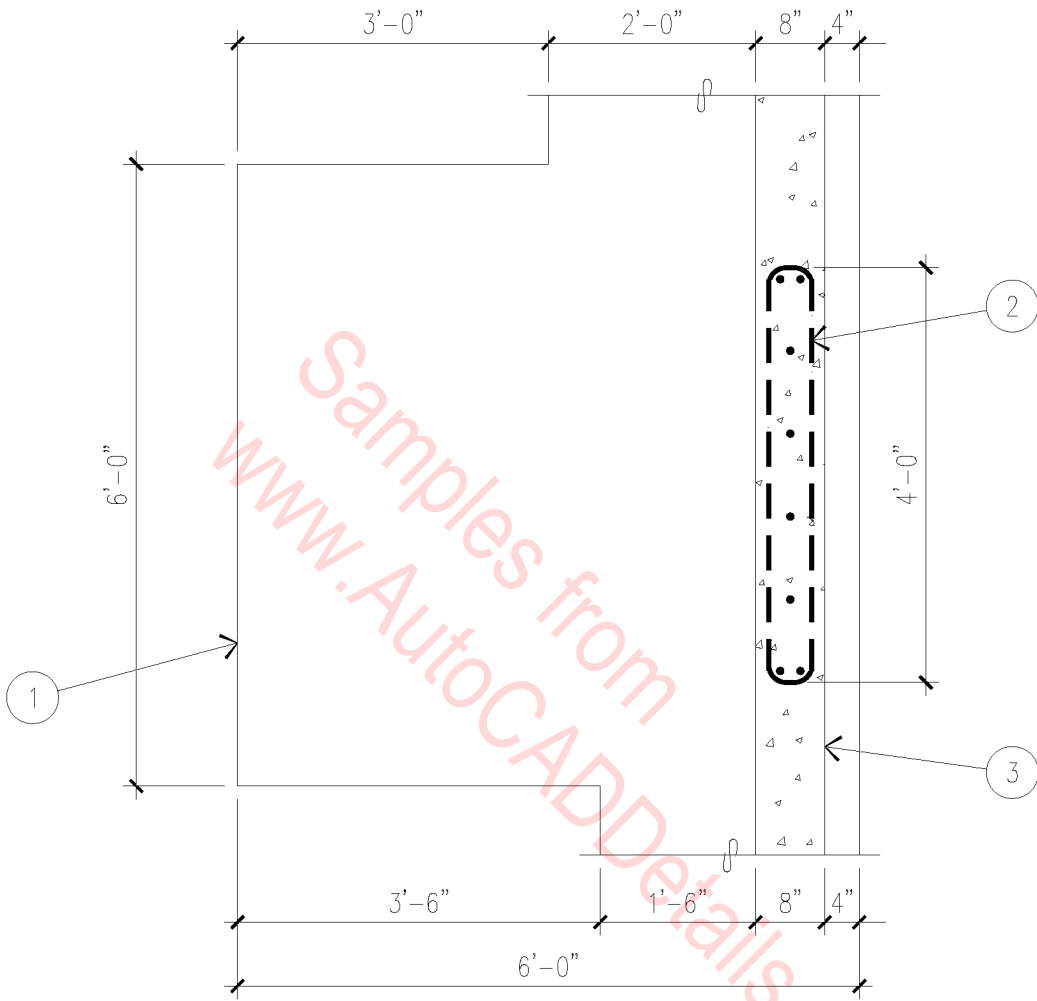
03A-1063



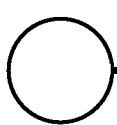
1. 4'-0" X 4'-0" X 12" THICK PAD WITH (3) #5 REBARS, EACH WAY.
2. (6) #5 VERTICALS WITH #2 TIES @ 8" O.C.
3. 8" CAST IN PLACE STEM WALL.

○ PAD
 3/4" = 1'-0"

03A-1064



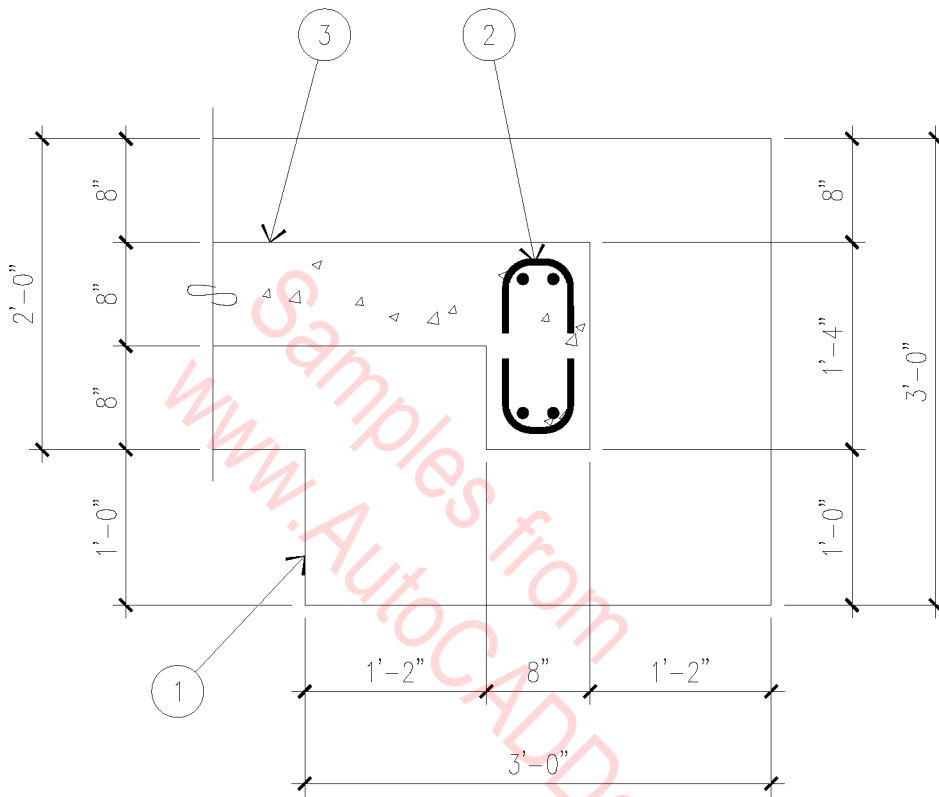
1. 6'-0" X 6'-0" X 12" THICK PAD WITH #5 REBARS @ 12" O.C., EACH WAY, TOP AND BOTTOM.
2. (8) #5 VERTICALS WITH #2 TIES @ 16" O.C.
3. 8" CAST IN PLACE STEM WALL.



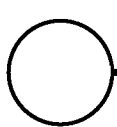
PAD

1/2" = 1'-0"

03A-1065



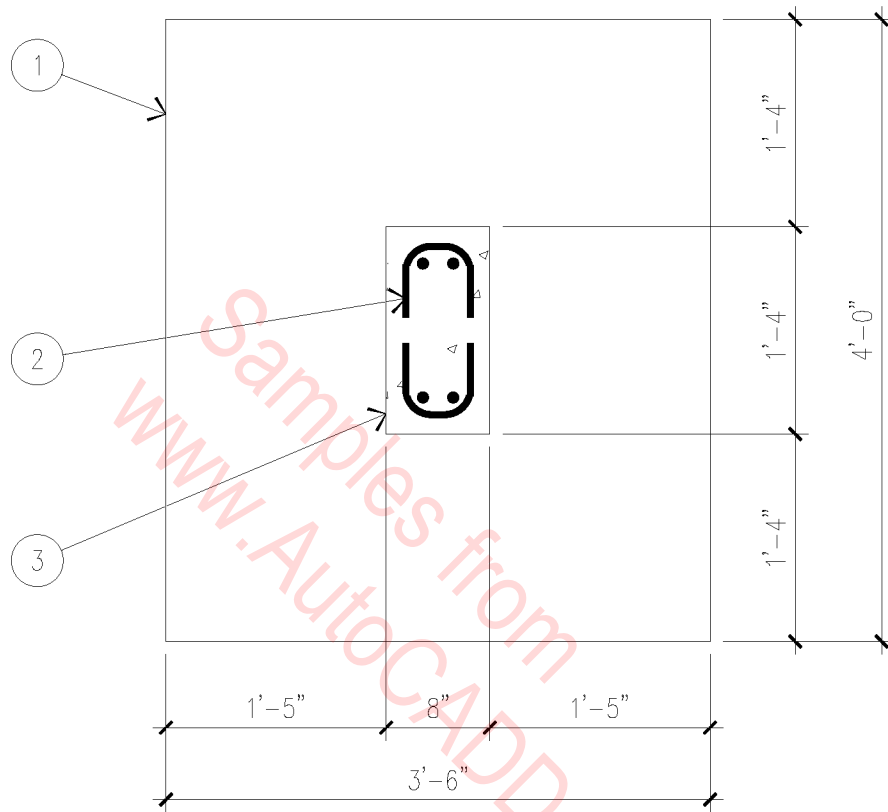
1. 3'-0" X 3'-0" X 12" THICK PAD WITH (2) #5 REBARS EACH WAY.
2. (4) #5 VERTICALS WITH #2 TIES @ 8" O.C.
3. 8" CAST IN PLACE STEM WALL.



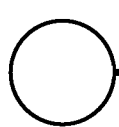
PAD

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

03A-1066



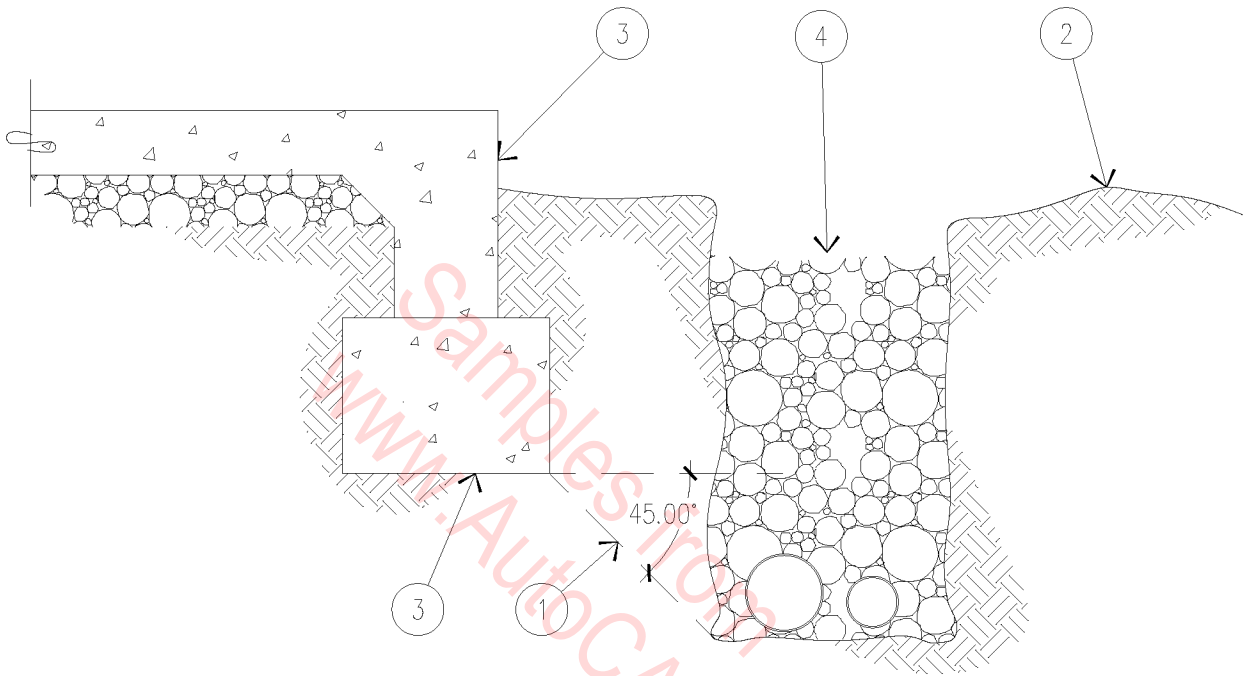
1. 3'-6" X 4'-0" X 12" THICK PAD WITH (3) #5 REBARS EACH WAY.
2. (4) #5 VERTICALS WITH #2 TIES @ 8" O.C.
3. 8" CAST IN PLACE STEM WALL.



PAD

3/4" = 1'-0"

03A-1067

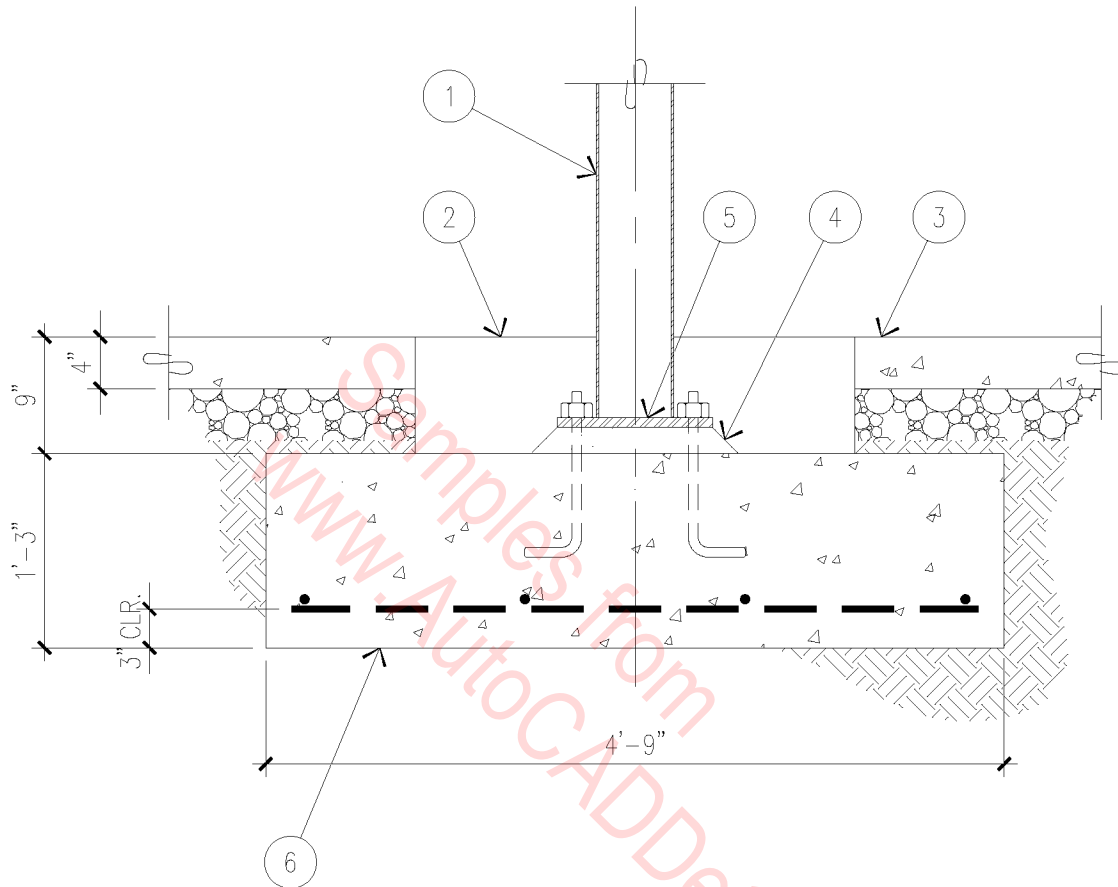


1. DO NOT EXCAVATE A TRENCH CLOSER THAN A 45° ANGLE THE BOTTOM OF A FOOTING OR FOUNDATION.
2. FINISHED GRADE.
3. FOOTING OR FOUNDATION.
4. EXCAVATED TRENCH.

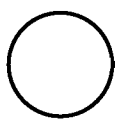
TRENCH PARALLEL TO FOUNDATION

NOT TO SCALE

03A-1068



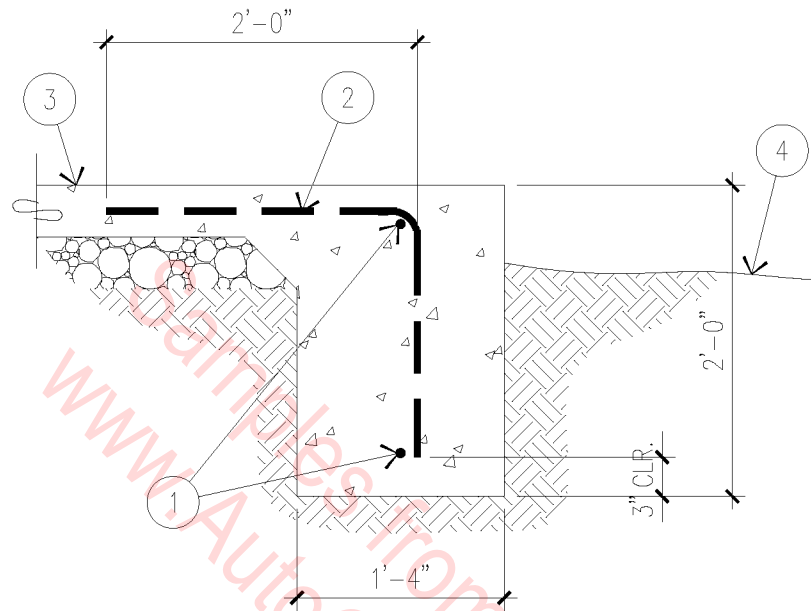
1. 6" X 6" X 3/16" TUBE STEEL COLUMN.
2. 24" BOX OUT, FILL WITH CONCRETE AFTER COLUMN IS SET.
3. 4" CONCRETE OVER 4" ABC.
4. 2" GROUT PAD.
5. 12" X 12" X 3/4" STEEL COLUMN PLATE WITH (4) 3/4" ϕ ANCHOR BOLTS WITH 4" HOOK AND 8" MINIMUM EMBED.
6. 4'-9" X 4'-9" X 1'-3" FOOTING WITH (4) #5 REBARS EACH WAY.



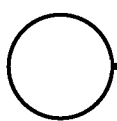
STEEL COLUMN FOOTING

3/4" = 1'-0"

03A-1069



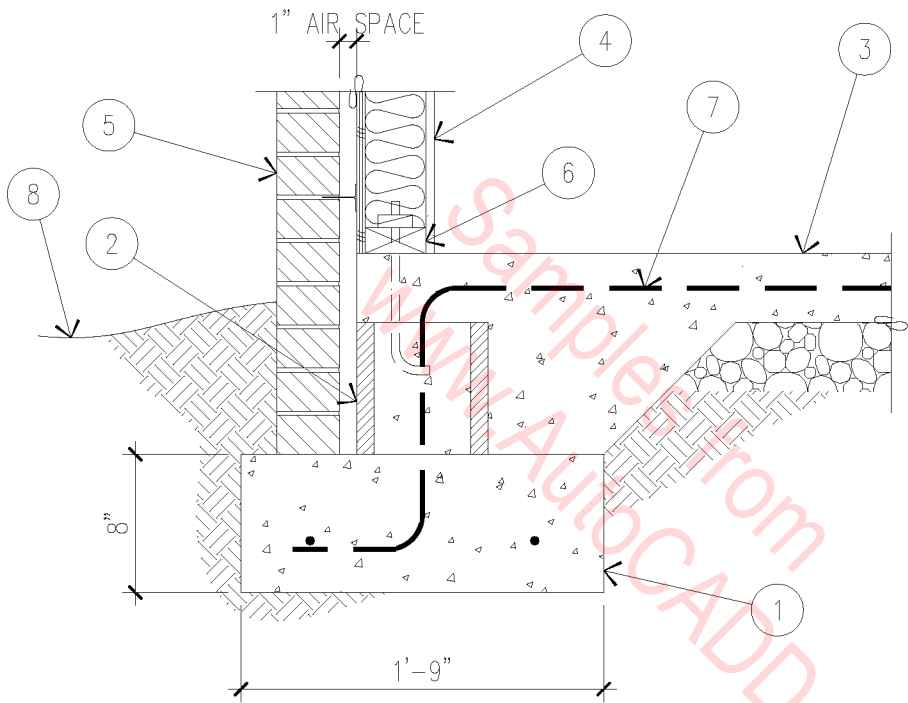
1. (1) #4 REBAR, CONTINUOUS, TOP AND BOTTOM.
2. #4 REBARS @ 18" O.C.
3. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
4. FINISHED GRADE.



MONOLITHIC FOOTING

3/4" = 1'-0"

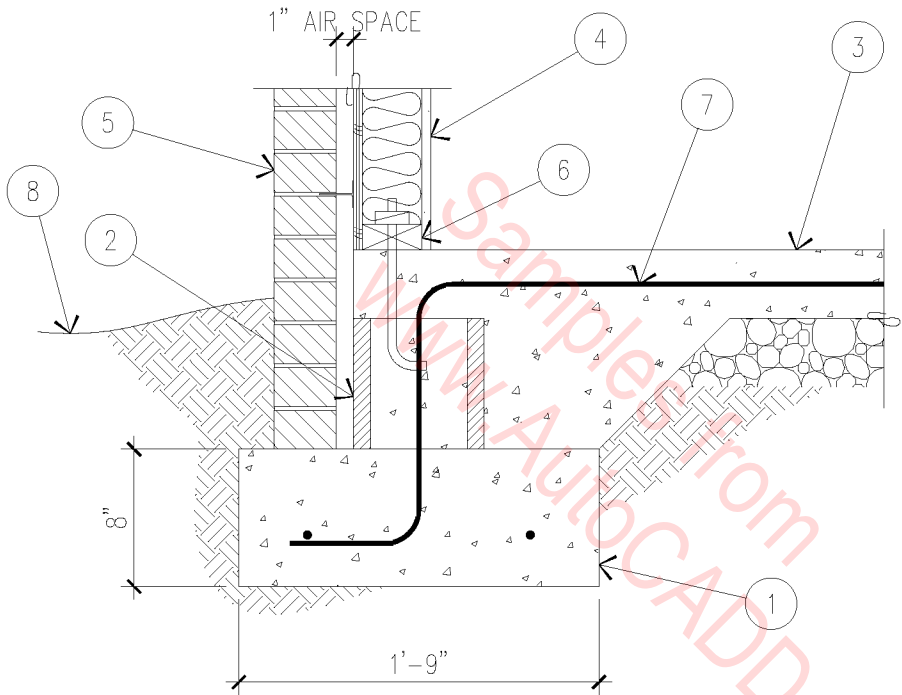
03A-1070



1. CONTINUOUS FOOTING WITH (2) #4 REBAR.
2. 8" CMU 'BOND BEAM' COURSE.
3. 4" CONCRETE SLAB OVER 4" AGGREGATE BASE COURSE.
4. 2 X 4 STUD WALL WITH 1/2" GYPSUM BOARD AT INTERIOR AND 1/2" O.S.B. EXTERIOR SHEATHING.
5. FACE BRICK - SEE ELEVATIONS.
6. SOLE PLATE.
7. #4 REBAR AT 6'-0" O.C.
8. FINISHED GRADE.

FOOTING
 1" = 1'-0"

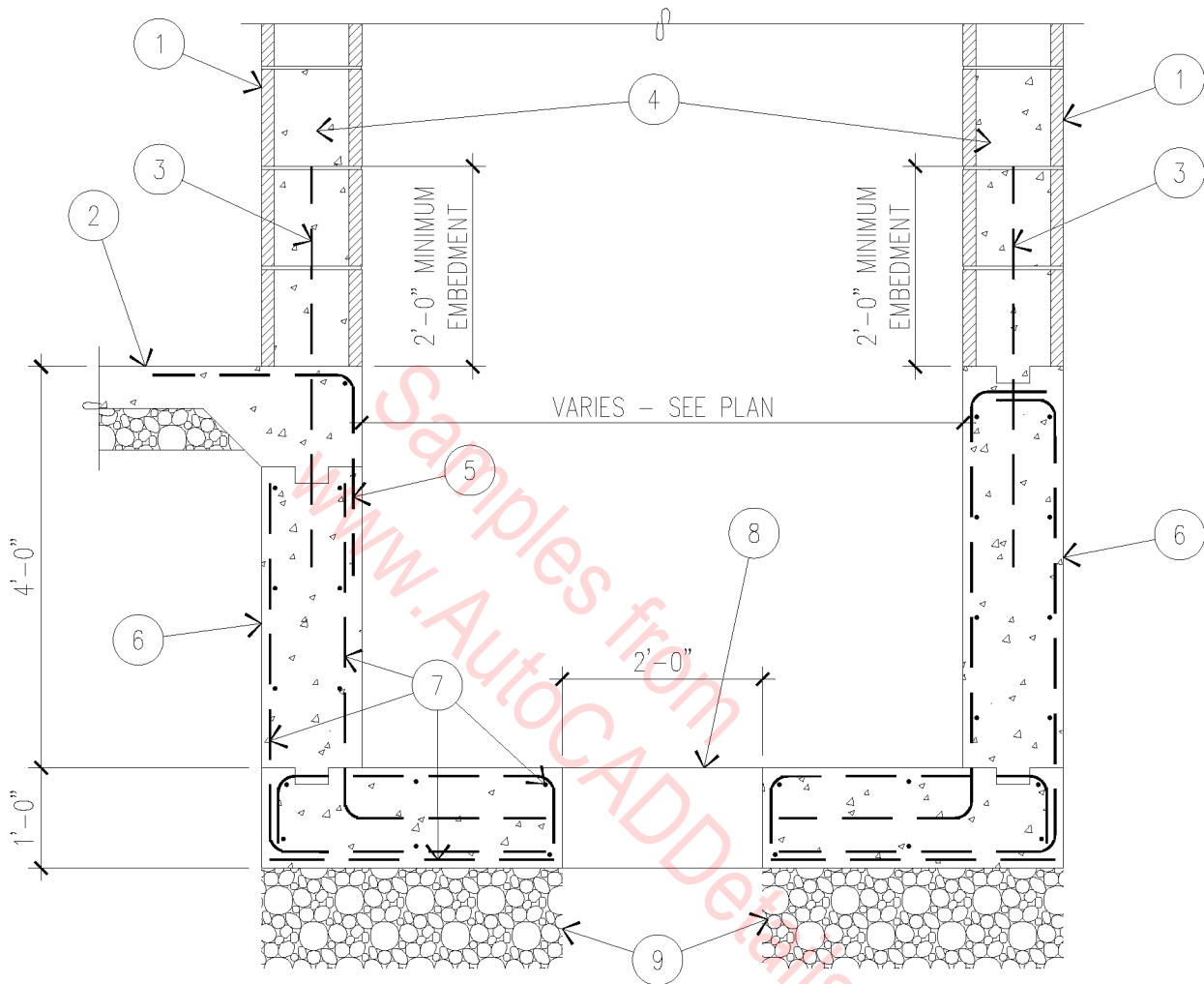
03A-1071



1. CONTINUOUS FOOTING WITH (2) #4 REBAR.
2. 8" CMU 'BOND BEAM' COURSE.
3. 4" CONCRETE SLAB OVER 4" AGGREGATE BASE COURSE.
4. 2 X 4 STUD WALL WITH 1/2" GYPSUM BOARD AT INTERIOR AND 1/2" O.S.B. EXTERIOR SHEATHING.
5. FACE BRICK - SEE ELEVATIONS.
6. SOLE PLATE.
7. #4 REBAR AT 6'-0" O.C.
8. FINISHED GRADE.

FOOTING
 1" = 1'-0"

03A-1071



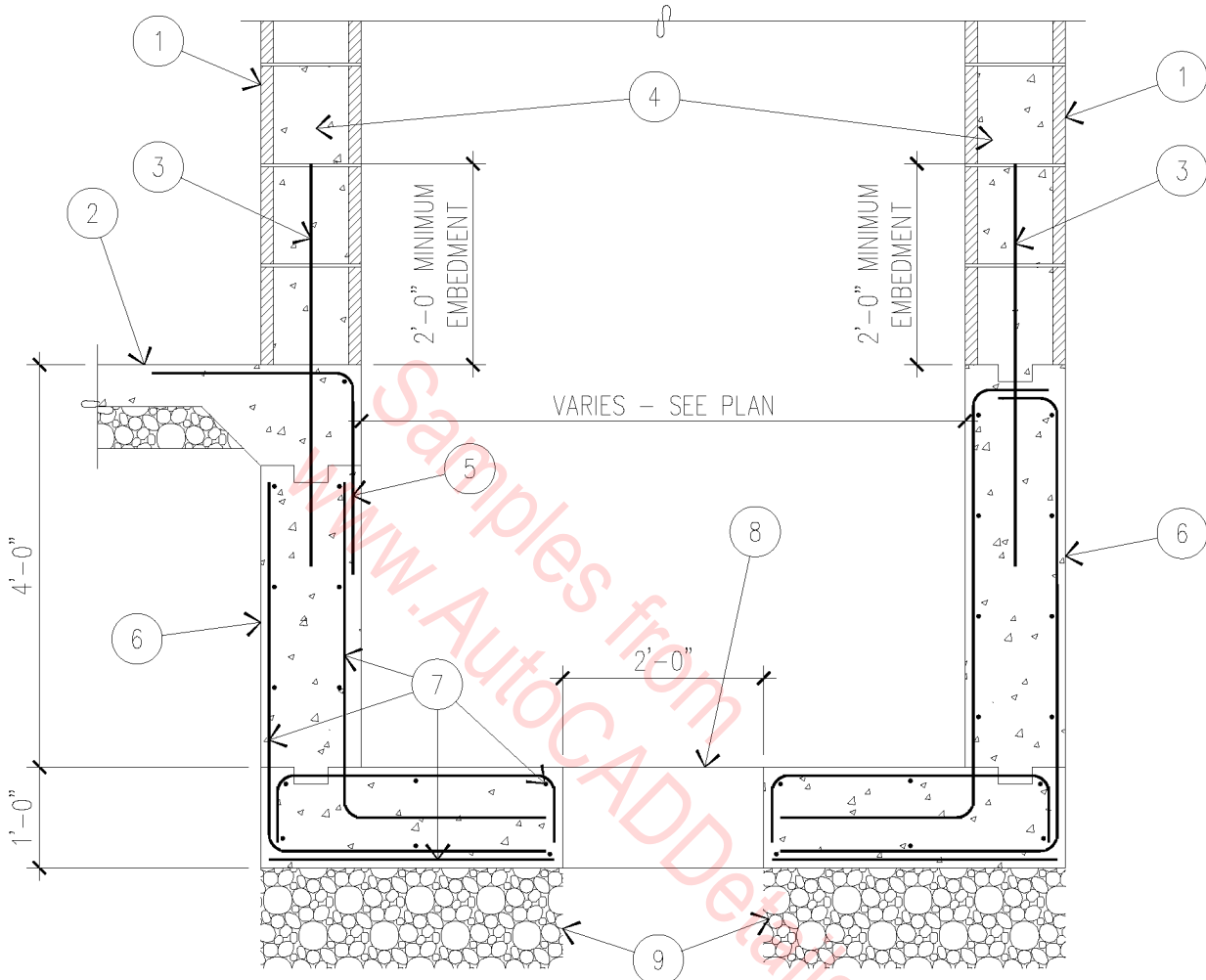
1. 12" THICK C.M.U.
2. 5" CONCRETE SLAB OVER
5" AGGREGATE BASE COURSE.
3. #5 REBAR, HORIZONTAL,
X 4'-0" LONG AT 16" O.C.
4. GROUT BOTTOM (3) COURSES
SOLID.

5. #5 X 4'-0" LONG AT 12" O.C.
6. 12" THICK CONCRETE PIT WALL.
7. #5 REBAR AT 12 O.C., EACH
WAY.
8. 2'-0" X 2'-0" OPENING IN SLAB.
9. CRUSHED STONE, COMPACTED.

SECTION THROUGH ELEVATOR PIT

1/2" = 1'-0"

03A-1072

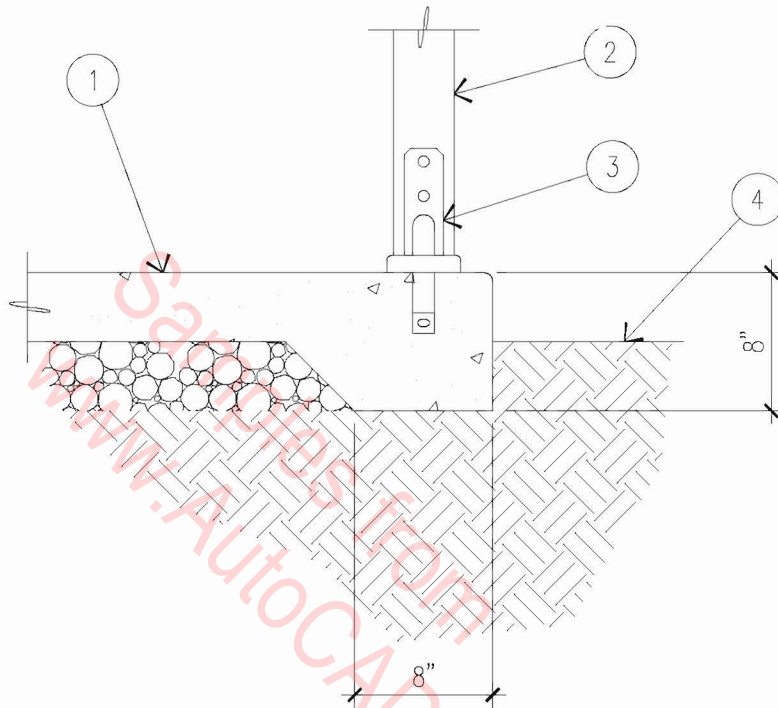


- | | |
|--|---|
| <ol style="list-style-type: none"> 1. 12" THICK C.M.U. 2. 5" CONCRETE SLAB OVER
5" AGGREGATE BASE COURSE. 3. #5 REBAR, HORIZONTAL,
X 4'-0" LONG AT 16" O.C. 4. GROUT BOTTOM (3) COURSES
SOLID. | <ol style="list-style-type: none"> 5. #5 X 4'-0" LONG AT 12" O.C. 6. 12" THICK CONCRETE PIT WALL. 7. #5 REBAR AT 12 O.C., EACH
WAY. 8. 2'-0" X 2'-0" OPENING IN SLAB. 9. CRUSHED STONE, COMPACTED. |
|--|---|

SECTION THROUGH ELEVATOR PIT

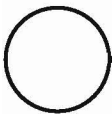
1/2" = 1'-0"

03A-1072



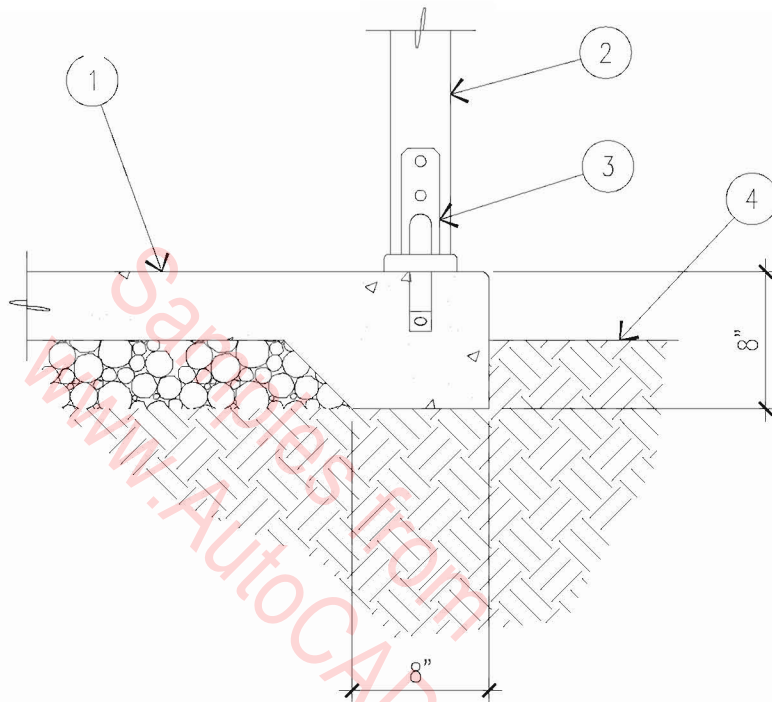
1. 4" CONCRETE SLAB OVER 4" AGGREGATE BASE COURSE FILL.
2. 4 X POST.
3. POST BASE.
4. FINISH GRADE.

TURNDOWN AT POST FOOTING



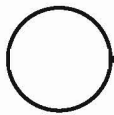
1" = 1'-0"

03A-1073



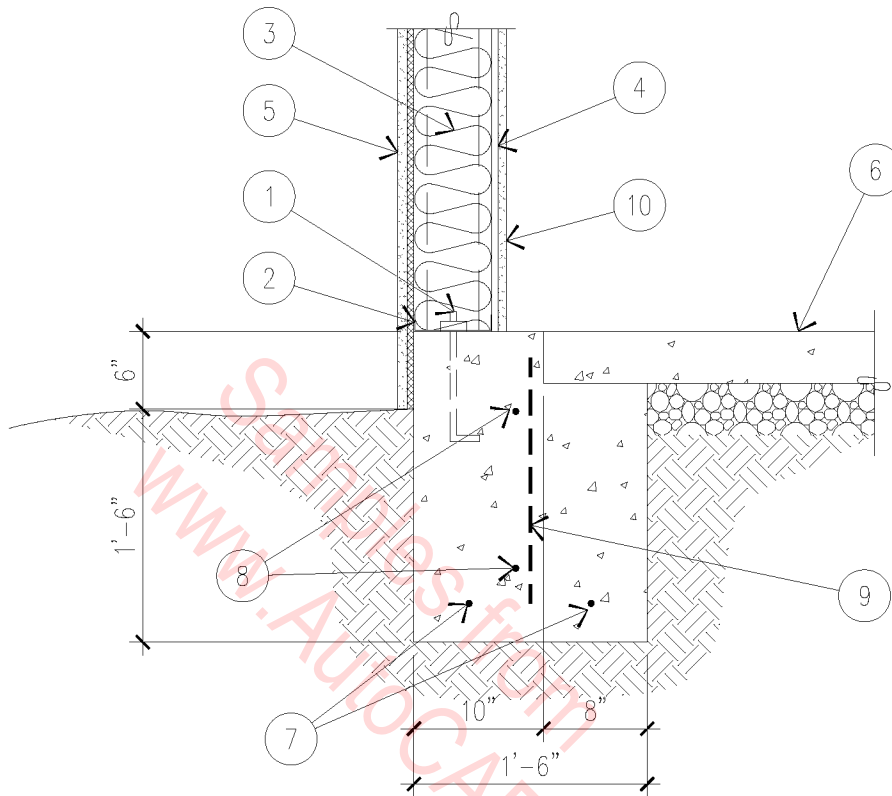
1. 4" CONCRETE SLAB OVER 4" AGGREGATE BASE COURSE FILL.
2. 4 X POST.
3. POST BASE.
4. FINISH GRADE.

TURNDOWN AT POST FOOTING

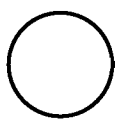


1" = 1'-0"

03A-1073



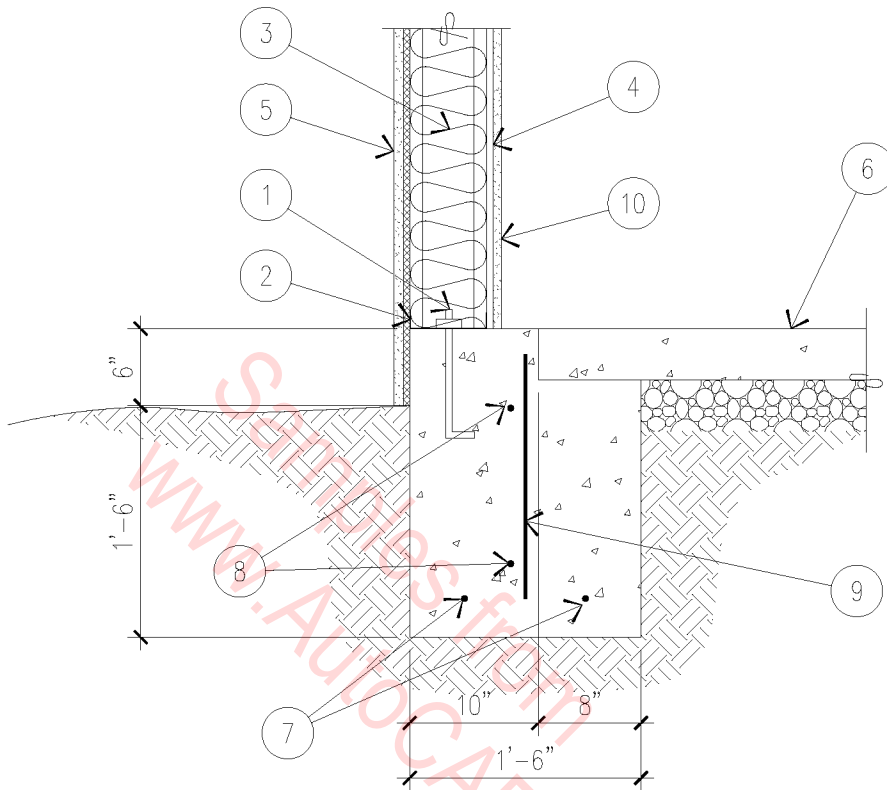
1. 1/2" ϕ ANCHOR BOLTS AT 4'-0" O.C. AND EACH END (MIN. 2 PER BOARD), U.N.O.
2. BOTTOM TRACK.
3. METAL STUD WALL.
4. RC-1 CHANNELS SPACED AT 24" O.C. ATTACHED WITH 1" TYPE 'S' SCREWS.
5. E.I.F.S. - SEE ELEVATIONS FOR SPECIFICATIONS.
6. 4" CONCRETE SLAB ON 4" A.B.C., REINFORCED PER FOUNDATION PLAN.
7. (2) #4 REBAR, CONTINUOUS.
8. (2) #5 REBAR TOP AND BOTTOM, CONTINUOUS.
9. #5 REBAR VERTICAL AT 24" O.C.
10. 5/8" TYPE 'X' GYPSUM BOARD, TAPED, TEXTURED AND PAINTED.



TYPICAL FOOTING

3/4" = 1'-0"

03A-1074

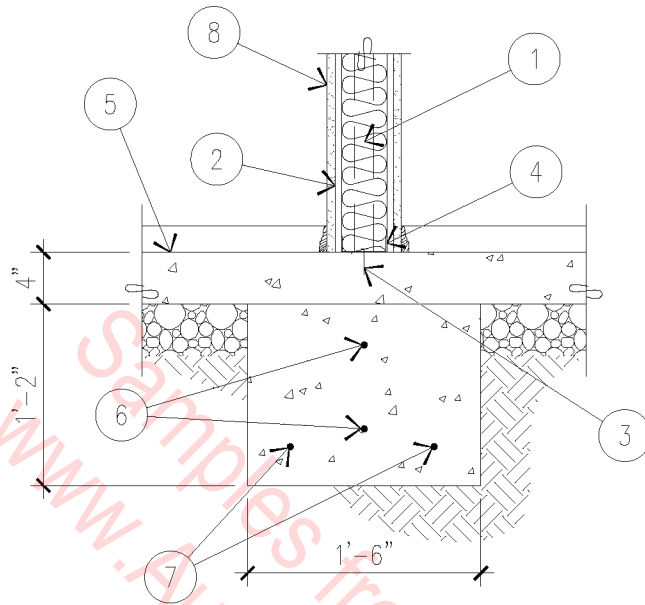


1. 1/2" ϕ ANCHOR BOLTS AT 4'-0" O.C. AND EACH END (MIN. 2 PER BOARD), U.N.O.
2. BOTTOM TRACK.
3. METAL STUD WALL.
4. RC-1 CHANNELS SPACED AT 24" O.C. ATTACHED WITH 1" TYPE 'S' SCREWS.
5. E.I.F.S. - SEE ELEVATIONS FOR SPECIFICATIONS.
6. 4" CONCRETE SLAB ON 4" A.B.C., REINFORCED PER FOUNDATION PLAN.
7. (2) #4 REBAR, CONTINUOUS.
8. (2) #5 REBAR TOP AND BOTTOM, CONTINUOUS.
9. #5 REBAR VERTICAL AT 24" O.C.
10. 5/8" TYPE 'X' GYPSUM BOARD, TAPED, TEXTURED AND PAINTED.

TYPICAL FOOTING

3/4" = 1'-0"

03A-1074

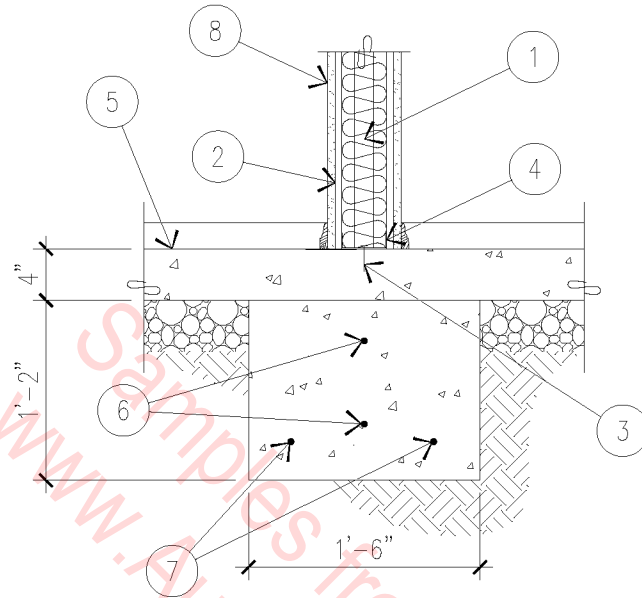


1. METAL STUD WALL.
2. RC-1 CHANNELS SPACED AT 24" O.C. ATTACHED WITH 1" TYPE 'S' SCREWS.
3. 0.0145" ϕ DRIVE PINS AT 2'-0" O.C. AND EACH END (MIN. 2 PER BOARD), U.N.O.
4. BOTTOM TRACK.
5. 4" CONCRETE SLAB ON 6" A.B.C.
6. (1) #4 REBAR TOP AND BOTTOM, CONTINUOUS.
7. (2) #4 REBAR, CONTINUOUS.
8. 5/8" TYPE 'X' GYPSUM BOARD, TAPED, TEXTURED AND PAINTED.

TYPICAL FOOTING AT BEARING WALL

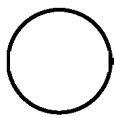
3/4" = 1'-0"

03A-1075



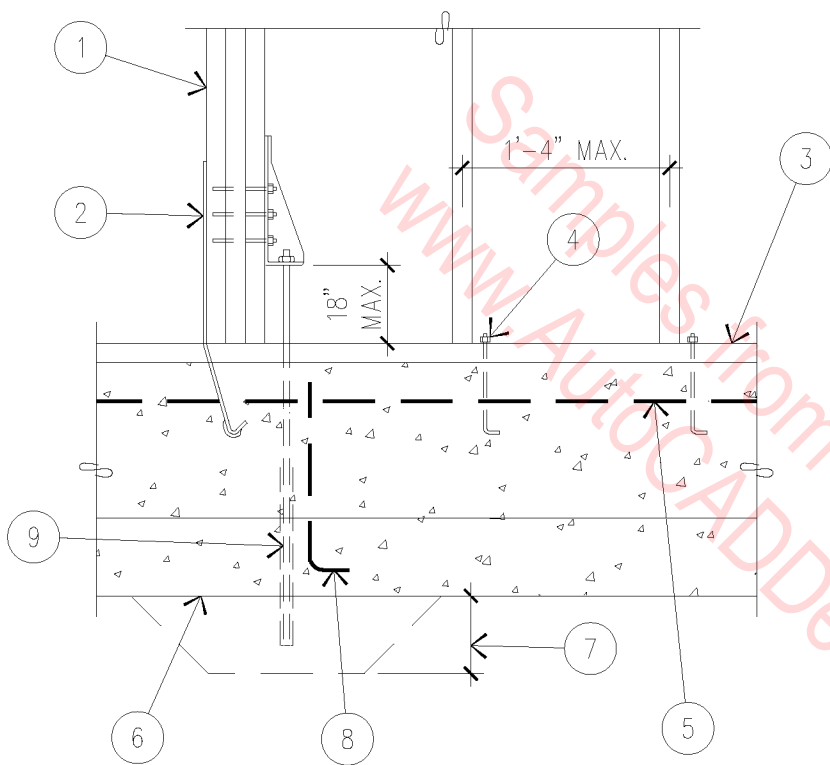
1. METAL STUD WALL.
2. RC-1 CHANNELS SPACED AT 24" O.C. ATTACHED WITH 1" TYPE 'S' SCREWS.
3. 0.0145" ϕ DRIVE PINS AT 2'-0" O.C. AND EACH END (MIN. 2 PER BOARD), U.N.O.
4. BOTTOM TRACK.
5. 4" CONCRETE SLAB ON 6" A.B.C.
6. (1) #4 REBAR TOP AND BOTTOM, CONTINUOUS.
7. (2) #4 REBAR, CONTINUOUS.
8. 5/8" TYPE 'X' GYPSUM BOARD, TAPED, TEXTURED AND PAINTED.

TYPICAL FOOTING AT BEARING WALL



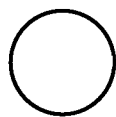
3/4" = 1'-0"

03A-1075



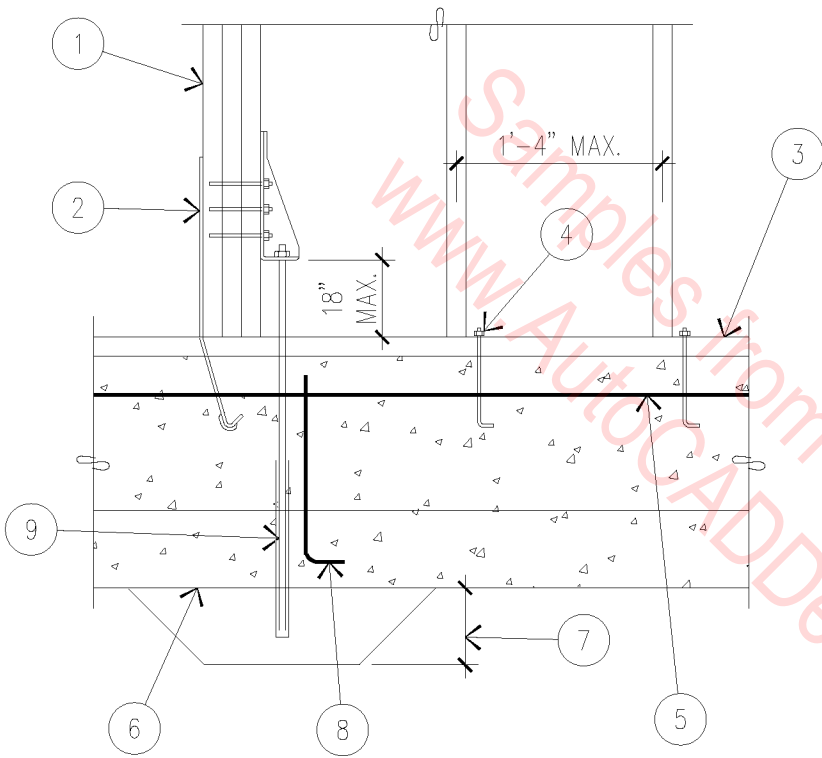
1. 2 X STUD FACE.
2. HOLDDOWN TYPE PER SHEAR WALL SCHEDULE.
3. 2 X BOTTOM PLATE.
4. ANCHOR BOLT SIZE AND SPACING PER SHEAR WALL SCHEDULE.
5. CONTINUOUS HORIZONTAL REINFORCING.
6. FOOTING – SEE PLAN.
7. INCREASE FOOTING DEPTH AS REQUIRED FOR FULL EMBEDMENT.
8. (2) #4 VERTICALS TO FOOTING AT EACH HOLDDOWN LOCATION.
9. REDHEAD FEMALE EXPANSION ANCHOR TO MATCH HOLDDOWN CAPACITY.

HOLDOWN AT SHEAR WALL



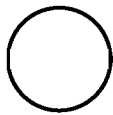
3/4" = 1'-0"

03A-1076



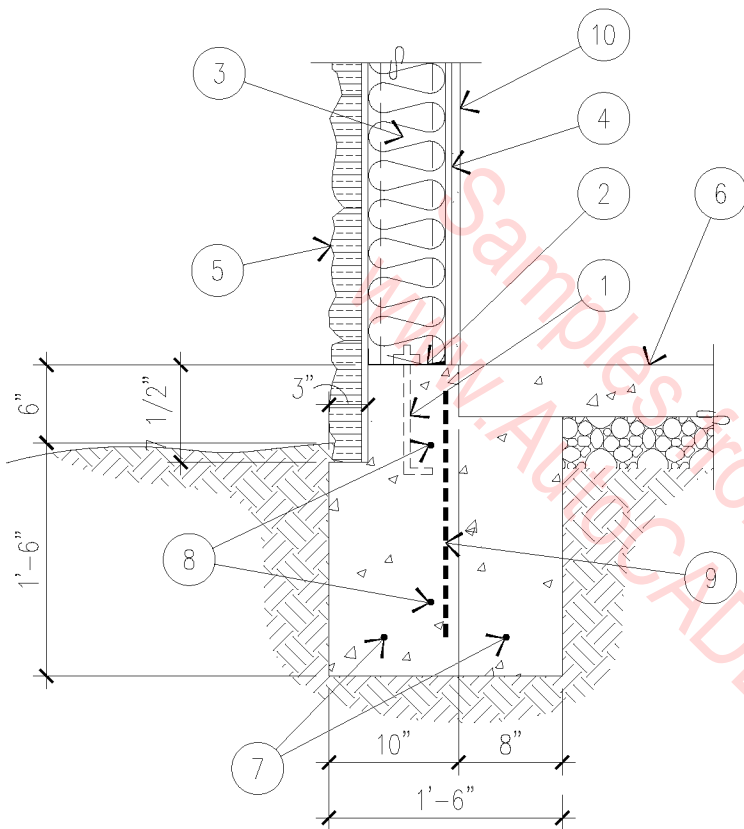
1. 2 X STUD FACE.
2. HOLDOWN TYPE PER SHEAR WALL SCHEDULE.
3. 2 X BOTTOM PLATE.
4. ANCHOR BOLT SIZE AND SPACING PER SHEAR WALL SCHEDULE.
5. CONTINUOUS HORIZONTAL REINFORCING.
6. FOOTING – SEE PLAN.
7. INCREASE FOOTING DEPTH AS REQUIRED FOR FULL EMBEDMENT.
8. (2) #4 VERTICALS TO FOOTING AT EACH HOLDOWN LOCATION.
9. REDHEAD FEMALE EXPANSION ANCHOR TO MATCH HOLDOWN CAPACITY.

HOLDOWN AT SHEAR WALL



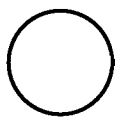
3/4" = 1'-0"

03A-1076



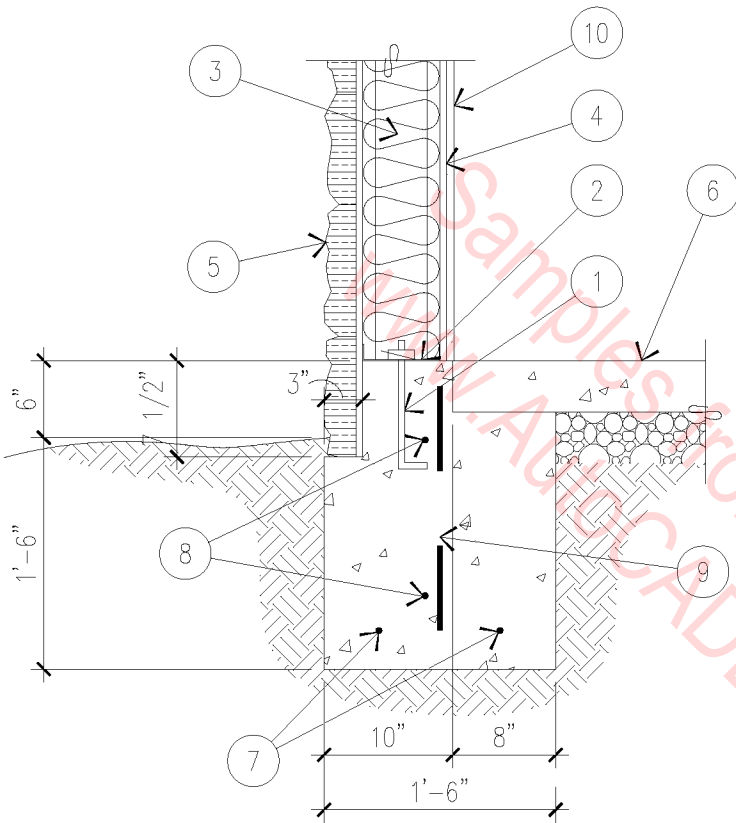
1. 1/2" ϕ ANCHOR BOLTS AT 4'-0" O.C. AND EACH END (MINIMUM 2 PER BOARD), UNLESS NOTED OTHERWISE.
2. BOTTOM TRACK.
3. METAL STUD WALL - SEE PLAN.
4. RC-1 CHANNELS SPACED AT 24" O.C. ATTACHED WITH 1" TYPE "S" SCREWS.
5. STONE SIDING - SEE ELEVATIONS FOR SPECIFICATIONS.
6. 4" CONCRETE SLAB ON 4" A.B.C., REINFORCED PER FOUNDATION PLAN.
7. (2) #4 REBAR, CONTINUOUS.
8. (2) #5 REBAR, TOP AND BOTTOM, CONTINUOUS.
9. #5 REBAR VERTICAL AT 24" O.C.
10. 5/8" TYPE 'X' ONE HOUR GYPSUM WALL BOARD, TAPED, TEXTURED, AND PAINTED.

FOOTING WITH STONE VENEER LEDGE



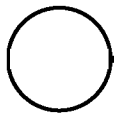
3/4" = 1'-0"

03A-1077



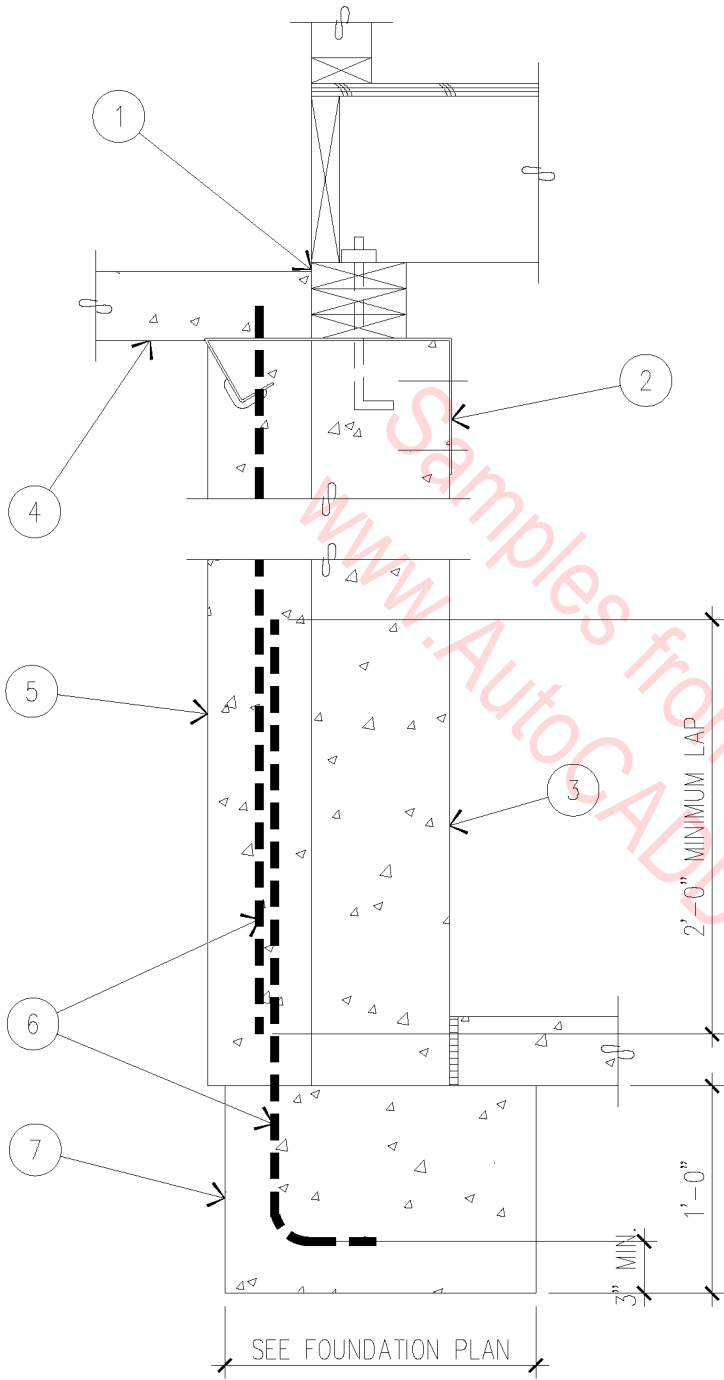
1. 1/2" ϕ ANCHOR BOLTS AT 4'-0" O.C. AND EACH END (MINIMUM 2 PER BOARD), UNLESS NOTED OTHERWISE.
2. BOTTOM TRACK.
3. METAL STUD WALL - SEE PLAN.
4. RC-1 CHANNELS SPACED AT 24" O.C. ATTACHED WITH 1" TYPE "S" SCREWS.
5. STONE SIDING - SEE ELEVATIONS FOR SPECIFICATIONS.
6. 4" CONCRETE SLAB ON 4" A.B.C., REINFORCED PER FOUNDATION PLAN.
7. (2) #4 REBAR, CONTINUOUS.
8. (2) #5 REBAR, TOP AND BOTTOM, CONTINUOUS.
9. #5 REBAR VERTICAL AT 24" O.C.
10. 5/8" TYPE 'X' ONE HOUR GYPSUM WALL BOARD, TAPED, TEXTURED, AND PAINTED.

FOOTING WITH STONE VENEER LEDGE



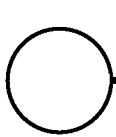
3/4" = 1'-0"

03A-1077



1. VAPOR BARRIER.
2. HOLD-DOWN STRAP TO SECURE SONATUBE TO FOUNDATION WALL.
3. STEM WALL - SEE FOUNDATION PLAN.
4. CONCRETE PORCH - SEE FOUNDATION PLAN
5. 6" SONATUBE.
6. (1) #4 VERTICAL.
7. CONCRETE FOOTING.

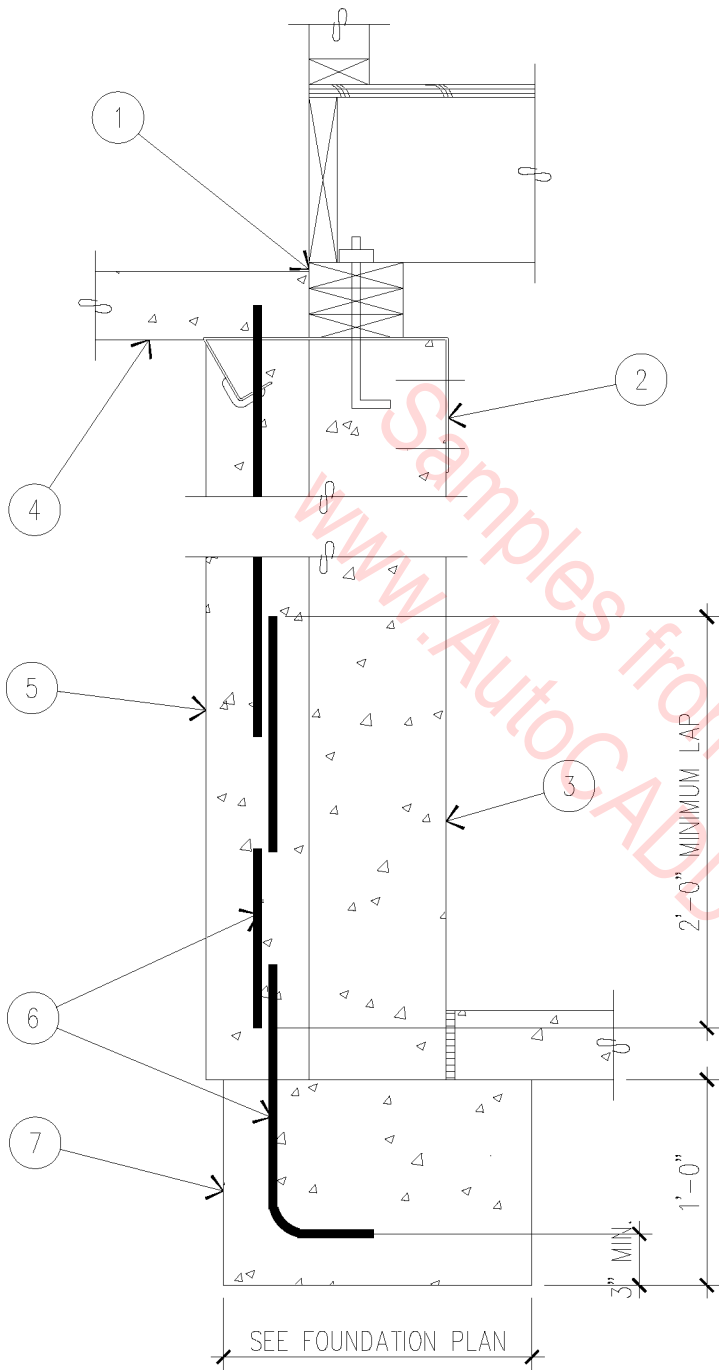
www.AutocADDetails.net



SONATUBE INSTALLATION

1" = 1'-0"

03A-1078

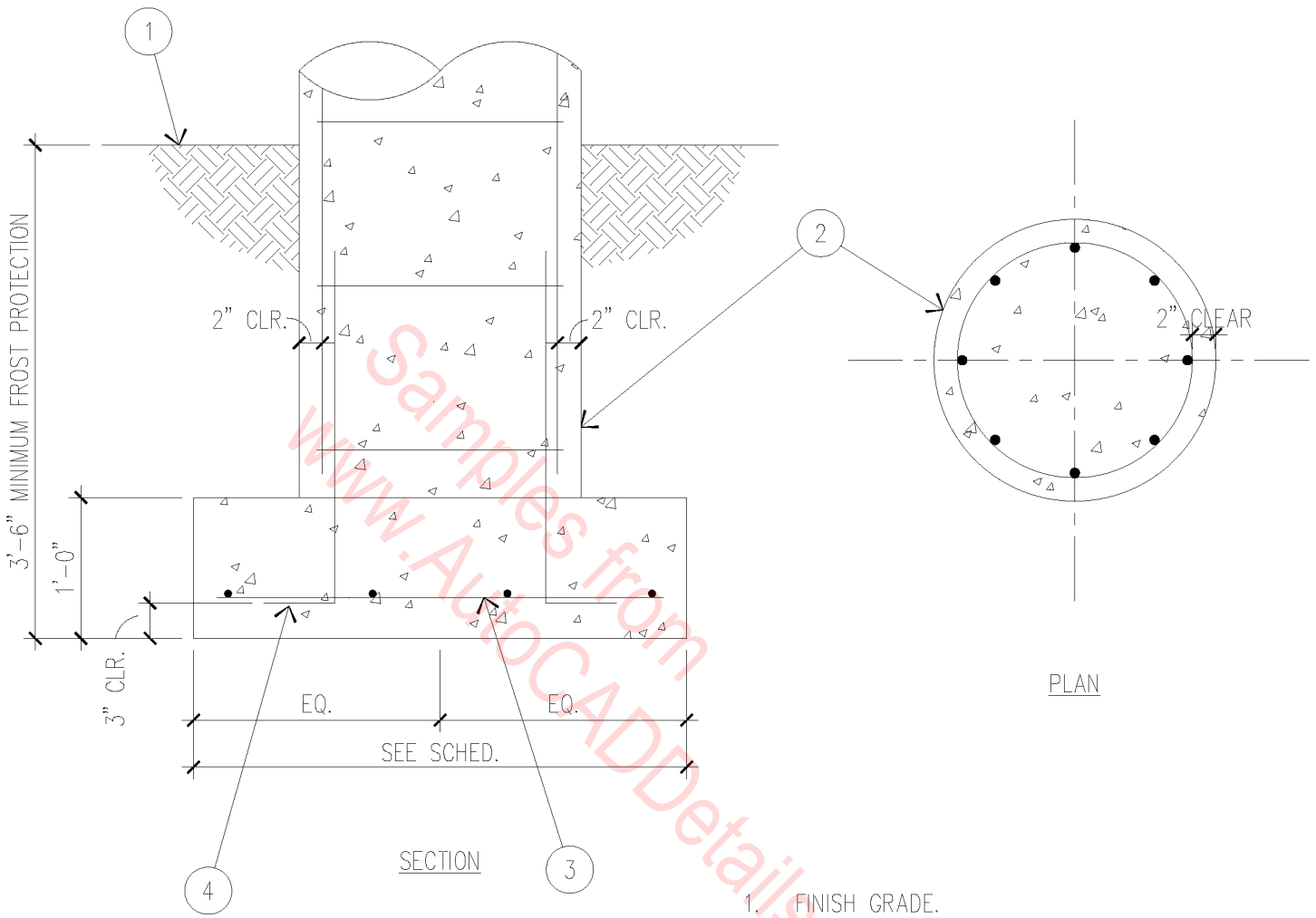


1. VAPOR BARRIER.
2. HOLDDOWN STRAP TO SECURE SONATUBE TO FOUNDATION WALL.
3. STEM WALL – SEE FOUNDATION PLAN.
4. CONCRETE PORCH – SEE FOUNDATION PLAN
5. 6" SONATUBE.
6. (1) #4 VERTICAL.
7. CONCRETE FOOTING.

SONATUBE INSTALLATION

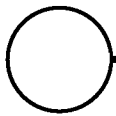
1" = 1'-0"

03A-1078



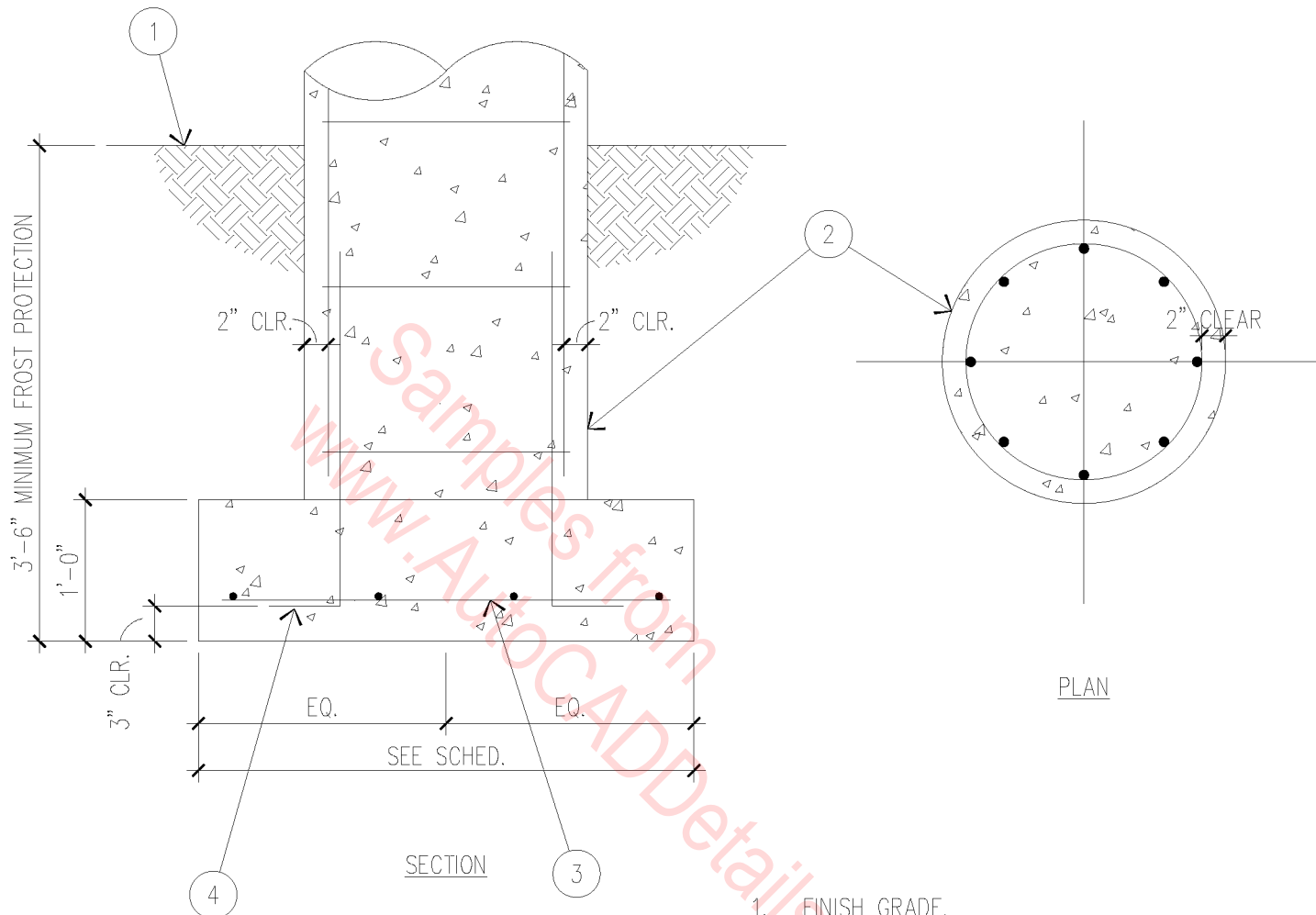
1. FINISH GRADE.
2. 24" Ø CAST IN PLACE COLUMN REINFORCED WITH (8) #7 VERTICALS AND #3 TIES AT 14" O.C.
3. REINFORCED PER SPREAD FOOTING SCHEDULE.
4. (4) 4" Ø⁶ DOWELS.

CAST IN PLACE COLUMN FOOTING



3/4" = 1'-0"

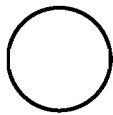
03A-1079



1. FINISH GRADE.
2. 24" Ø CAST IN PLACE COLUMN REINFORCED WITH (8) #7 VERTICALS AND #3 TIES AT 14" O.C.
3. REINFORCED PER SPREAD FOOTING SCHEDULE.
4. (4) 4" Ø⁶ DOWELS.

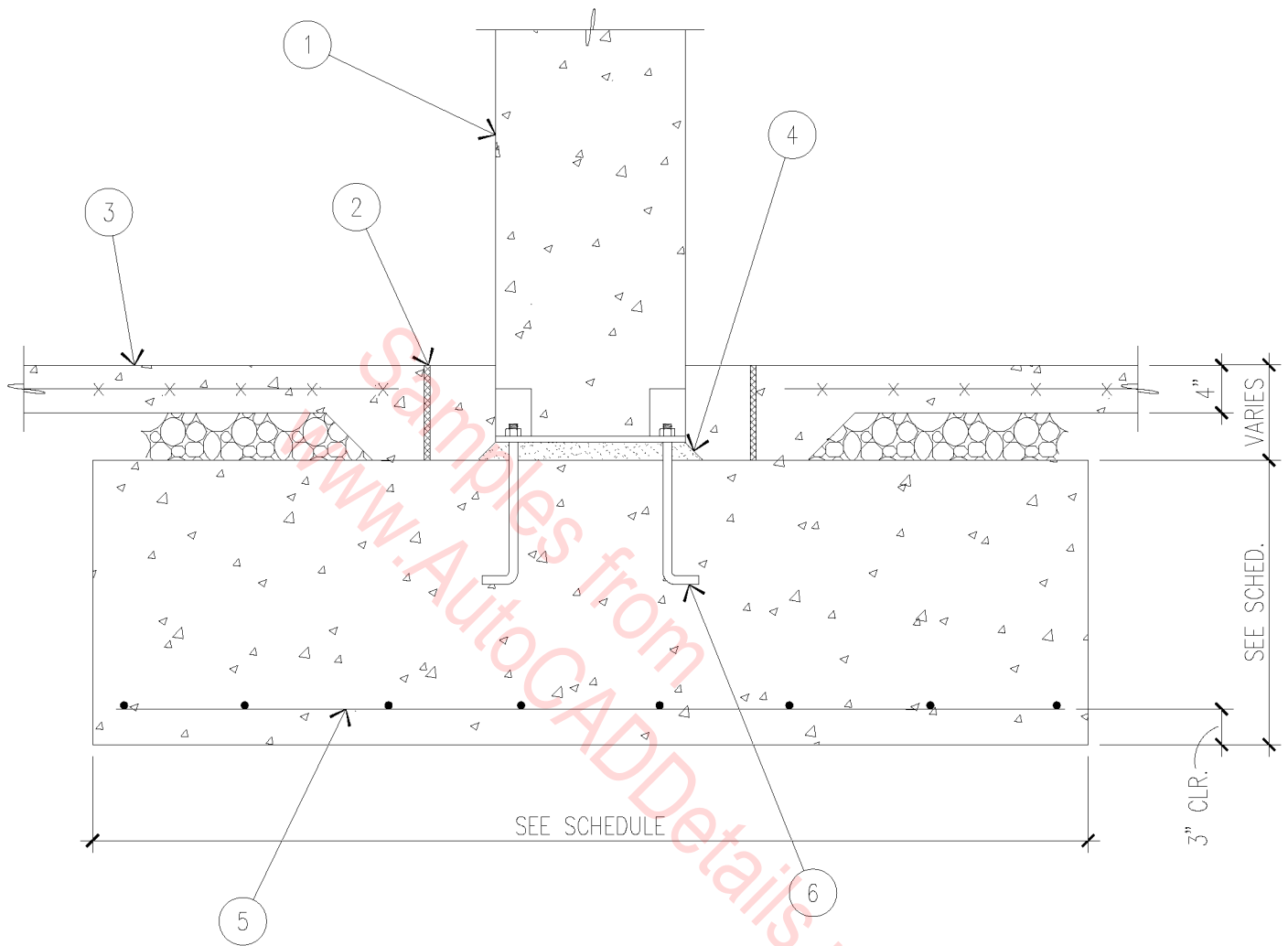
2'-6"
6"

CAST IN PLACE COLUMN FOOTING

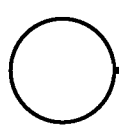


3/4" = 1'-0"

03A-1079



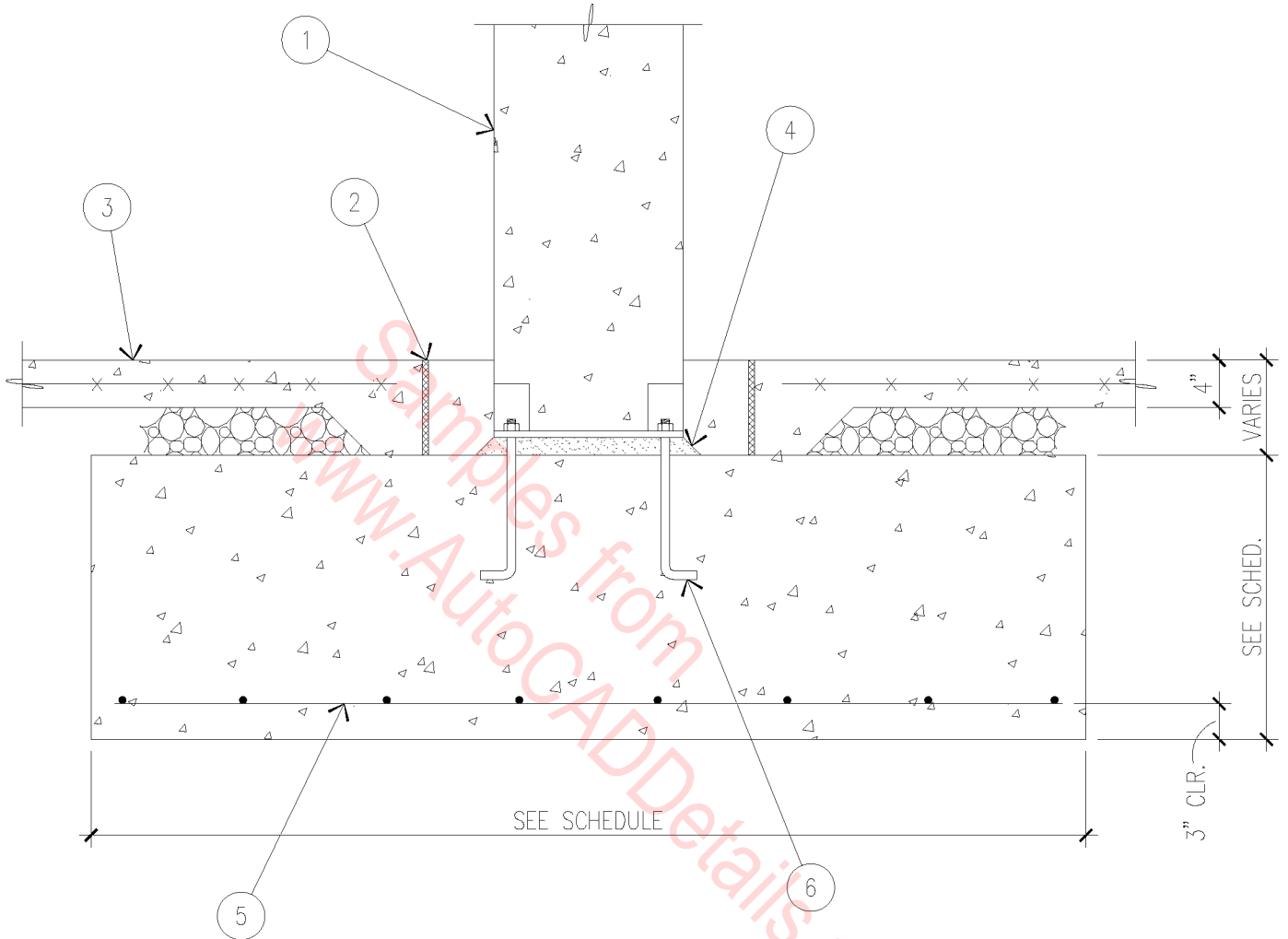
1. 16" X 16" PRECAST COLUMN, BASE CONNECTION BY PRECAST SUPPLIER.
2. 1/2" EXPANSION JOINT MATERIAL (TYPICAL).
3. 4" CONCRETE SLAB - SEE PLAN.
4. 1 1/2" STEEL SHIMS AND NON-SHRINK GROUT.
5. REINFORCED PER SPREAD FOOTING SCHEDULE.
6. (4) 3/4" \varnothing $\left. \begin{array}{l} 12" \\ 3" \end{array} \right\}$ ANCHOR BOLTS.



INTERIOR FOOTING

3/4" = 1'-0"

03A-1080

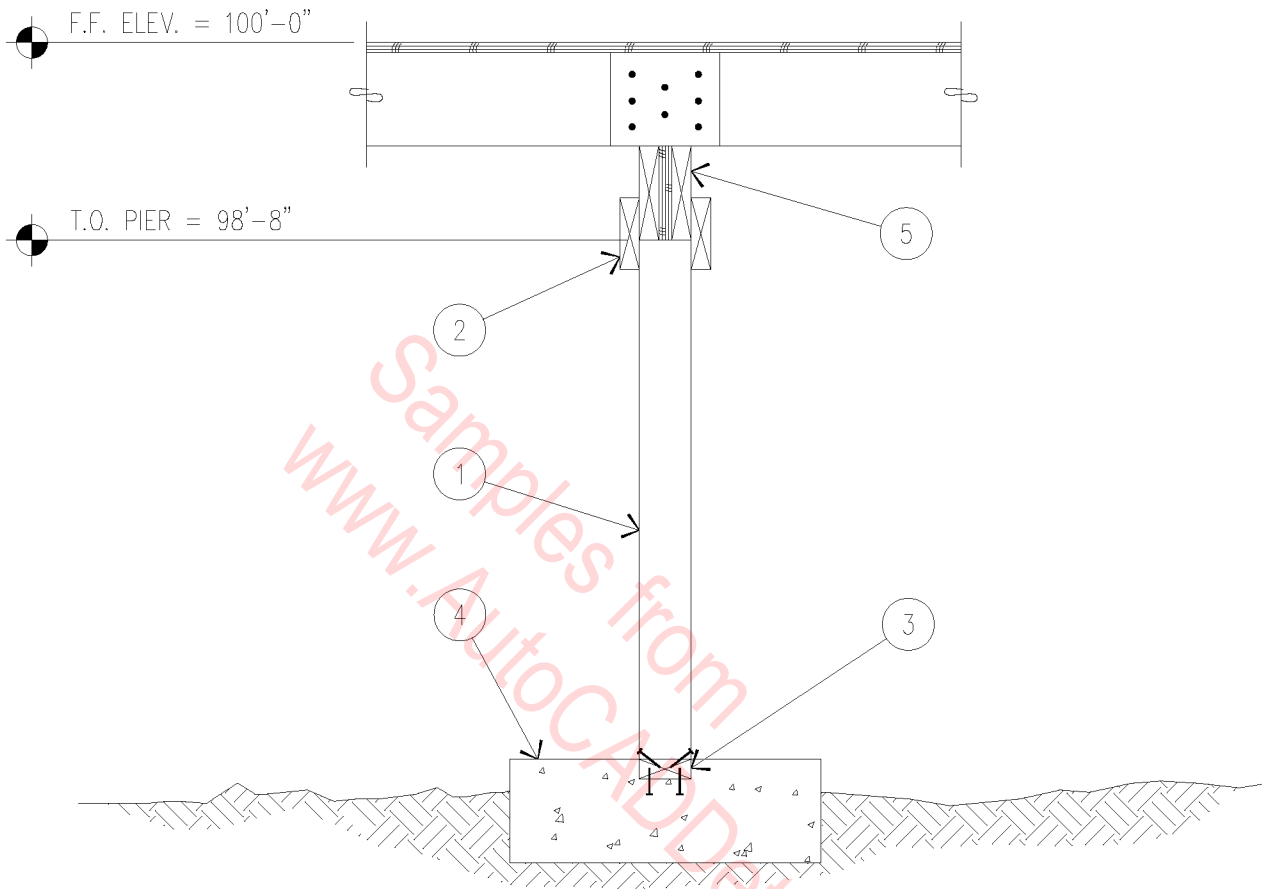


1. 16" X 16" PRECAST COLUMN, BASE CONNECTION BY PRECAST SUPPLIER.
2. 1/2" EXPANSION JOINT MATERIAL (TYPICAL).
3. 4" CONCRETE SLAB - SEE PLAN.
4. 1 1/2" STEEL SHIMS AND NON-SHRINK GROUT.
5. REINFORCED PER SPREAD FOOTING SCHEDULE.
6. (4) 3/4" ϕ $\begin{matrix} 12 \\ 3 \end{matrix}$ ANCHOR BOLTS.

INTERIOR FOOTING

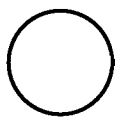
3/4" = 1'-0"

03A-1080



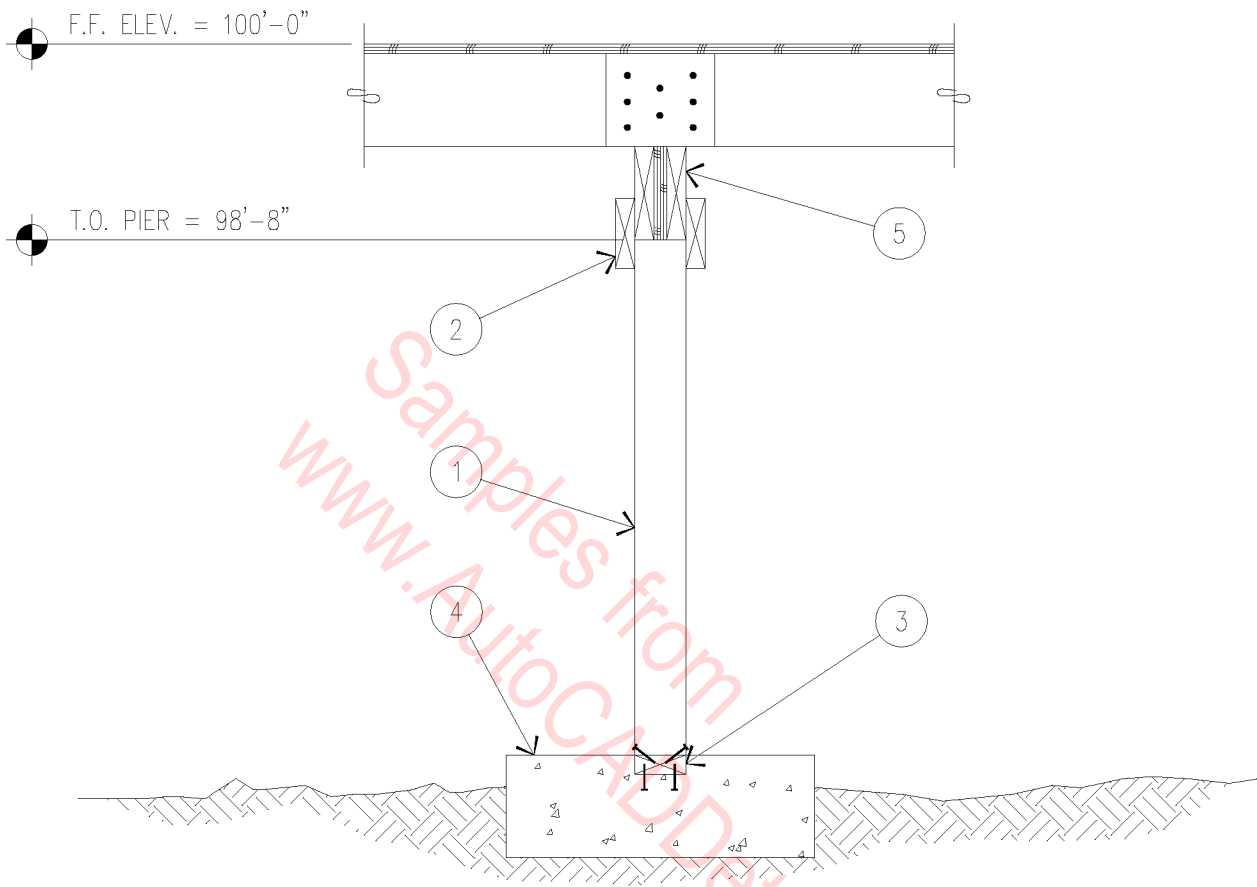
1. 4 X 4 TREATED POST.
2. 2 X 6 GUSSET.
3. 2 X 6 INSET WITH NAILS.
4. 2'-0" X 2'-0" X 8" CONCRETE FOOTING.
5. (2) 2 X 8's WITH (2) 1/2" FLITCH PLATES GLUED AND NAILED.

TYPICAL PIER AND FOOTING



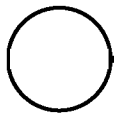
3/4" = 1'-0"

03A-1081



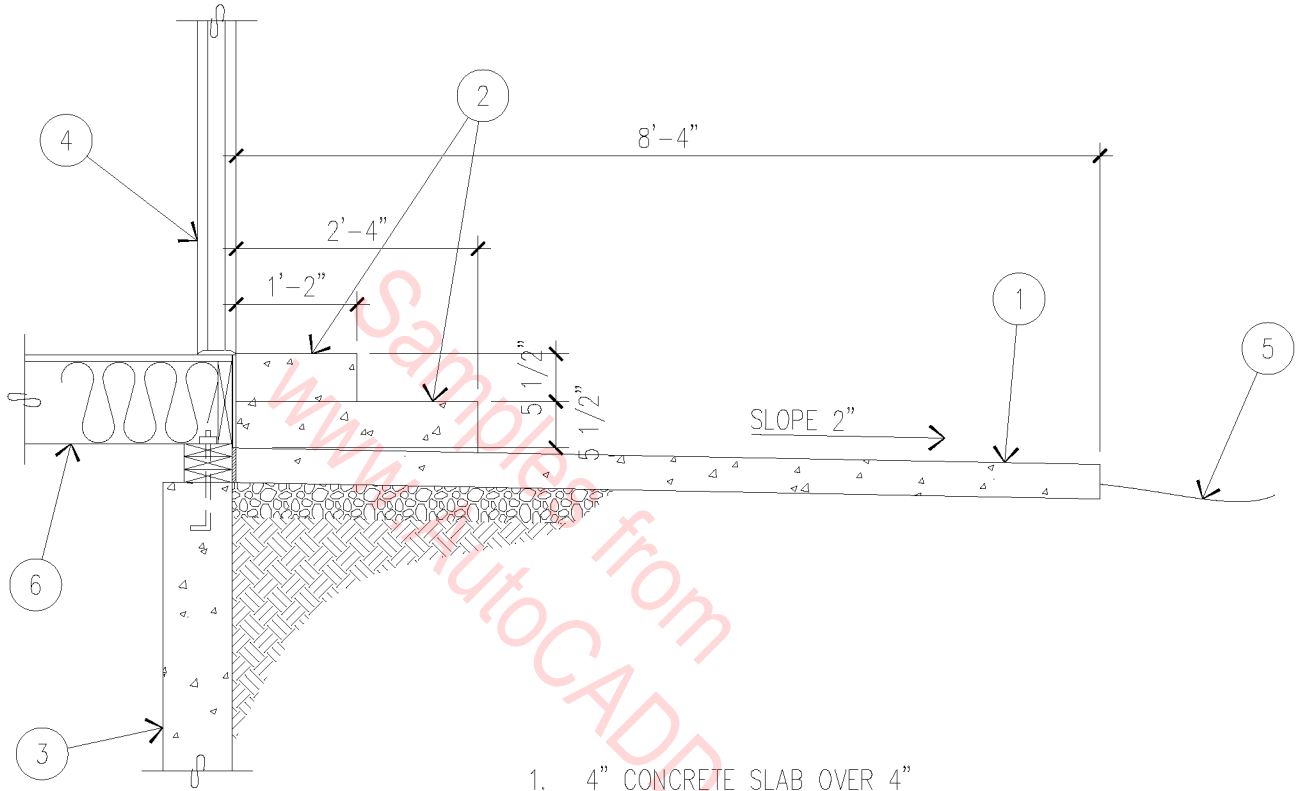
1. 4 X 4 TREATED POST.
2. 2 X 6 GUSSET.
3. 2 X 6 INSET WITH NAILS.
4. 2'-0" X 2'-0" X 8" CONCRETE FOOTING.
5. (2) 2 X 8's WITH (2) 1/2" FLITCH PLATES GLUED AND NAILED.

TYPICAL PIER AND FOOTING



3/4" = 1'-0"

03A-1081

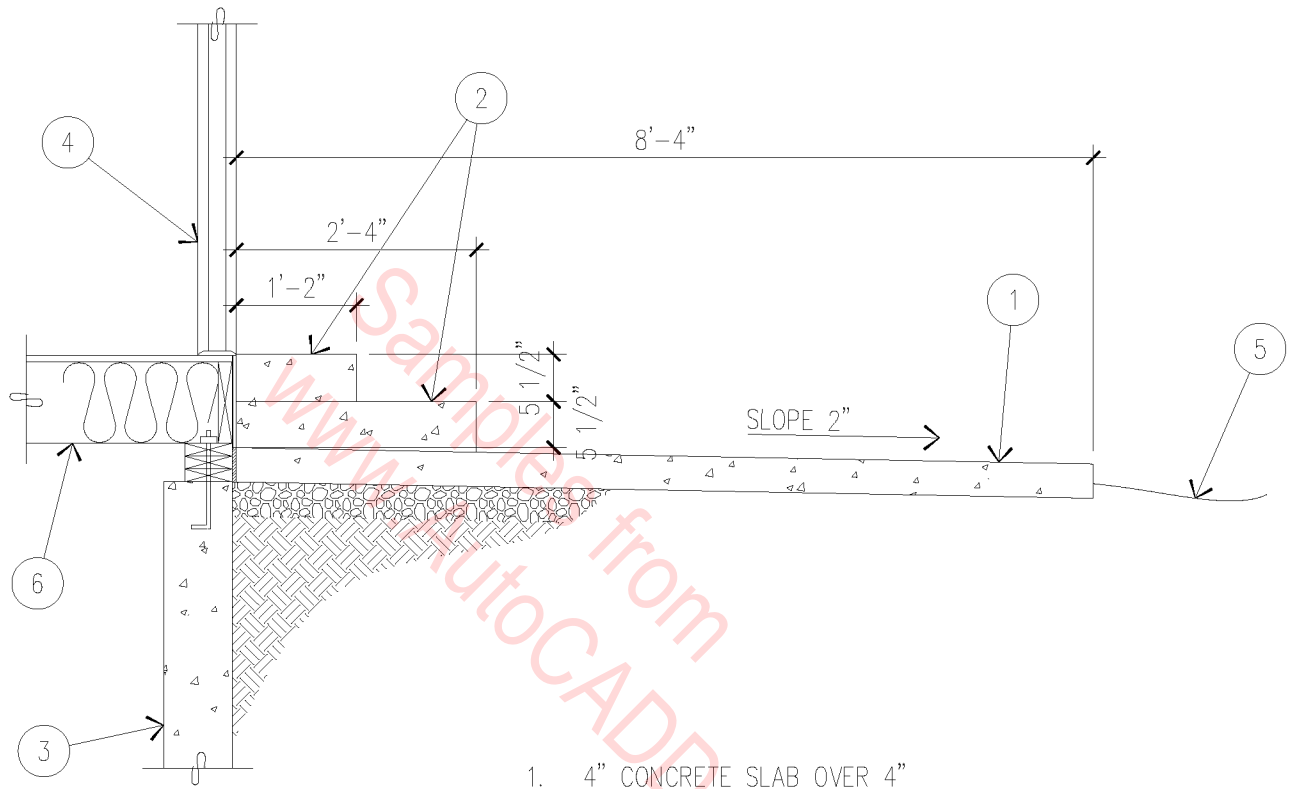


1. 4" CONCRETE SLAB OVER 4" AGGREGATE BASE COURSE.
2. CAST IN PLACE CONCRETE STEPS.
3. FOUNDATION WALL - SEE STRUCTURAL.
4. SLIDING GLASS DOOR - SEE SCHEDULE.
5. FINISH GRADE.
6. 2 X 10 FLOOR JOIST.

○ REAR PORCH

1/2" = 1'-0"

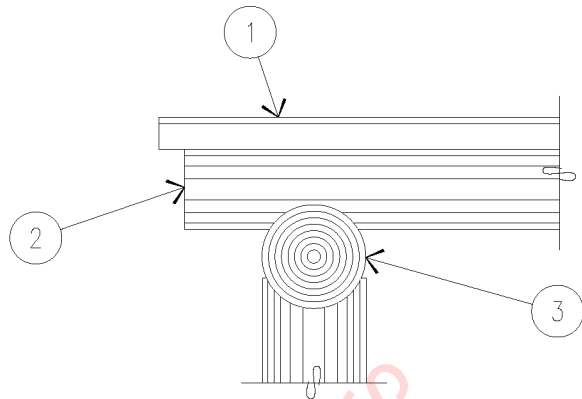
03A-1082



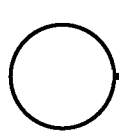
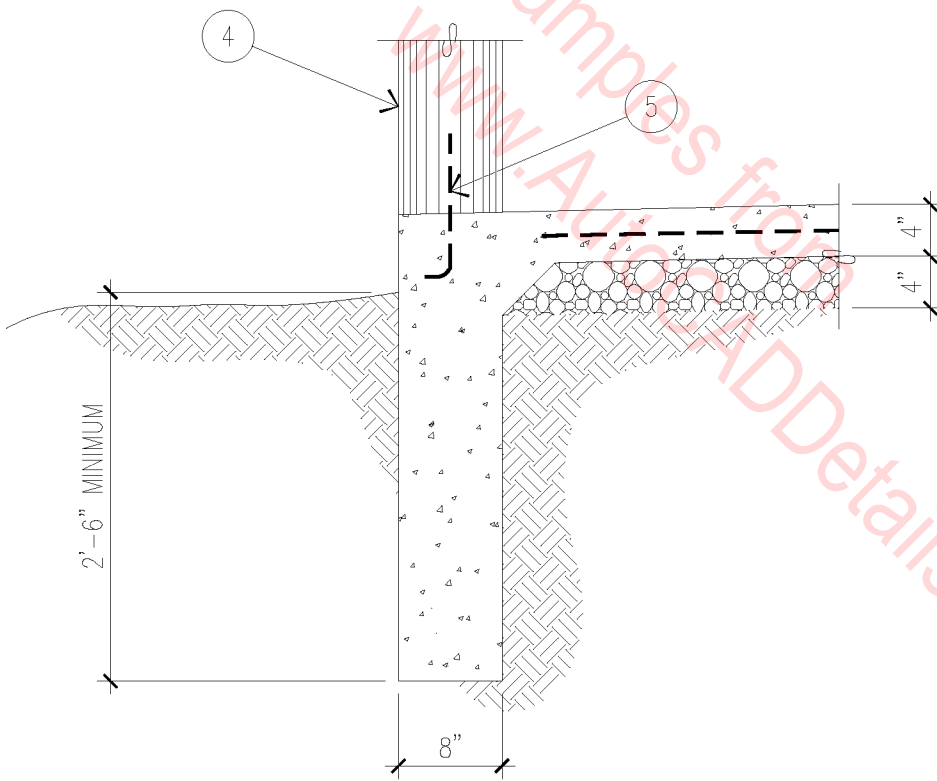
1. 4" CONCRETE SLAB OVER 4" AGGREGATE BASE COURSE.
2. CAST IN PLACE CONCRETE STEPS.
3. FOUNDATION WALL - SEE STRUCTURAL.
4. SLIDING GLASS DOOR - SEE SCHEDULE.
5. FINISH GRADE.
6. 2 X 10 FLOOR JOIST.

○ REAR PORCH
 1/2" = 1'-0"

03A-1082



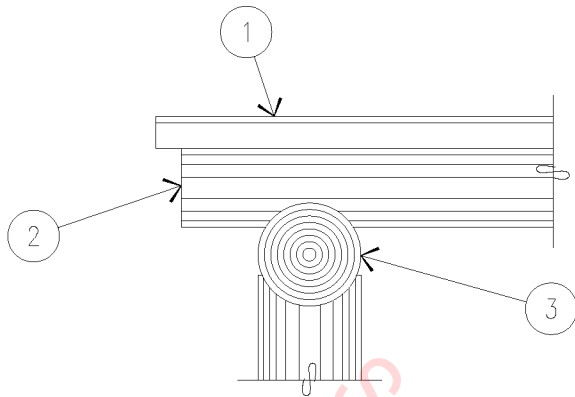
1. 2 X 6 TONGUE AND GROOVE DECKING WITH 3 PLY BUILT-UP ROOFING.
2. 6" ϕ VEGA.
3. 8" ϕ VEGA.
4. 8" ϕ ROUND POST.
5. (2) #4 REBAR.



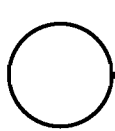
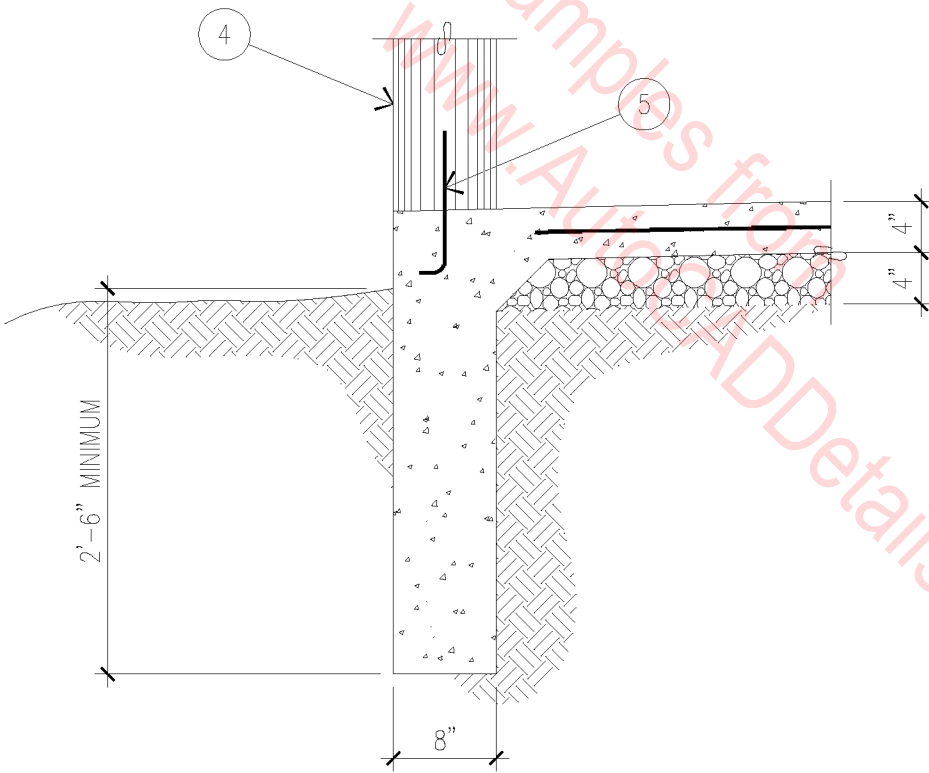
VEGA COLUMN PAD

3/4" = 1'-0"

03A-1083



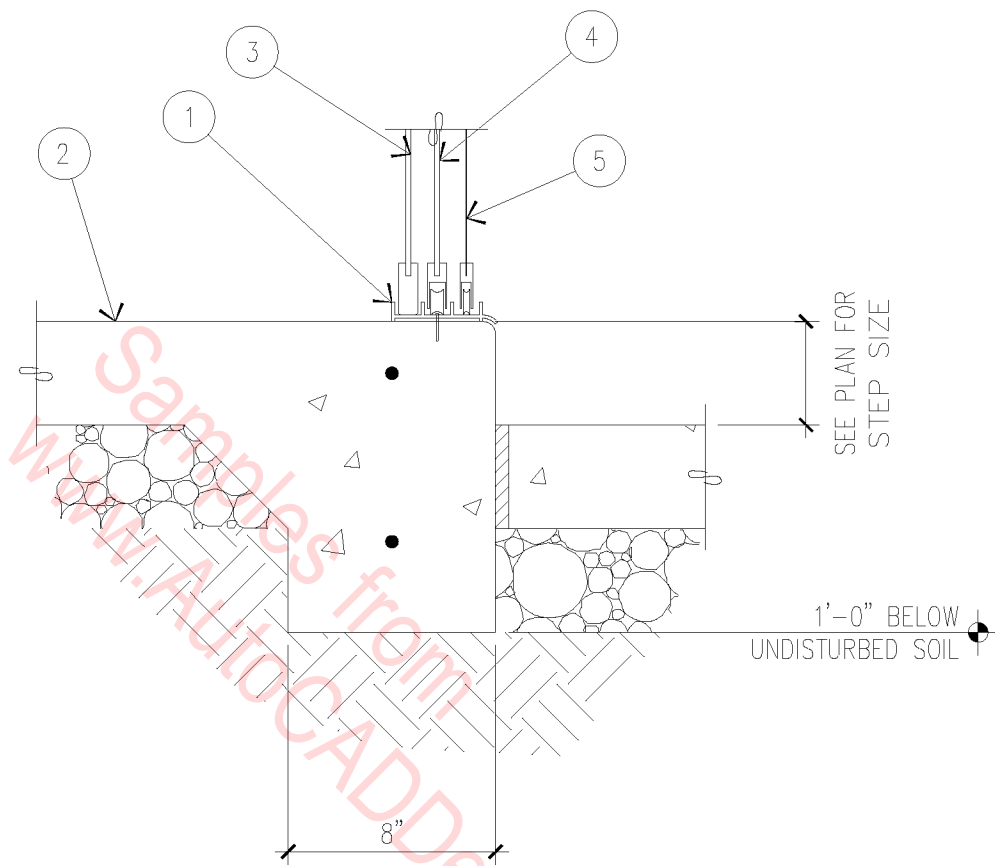
1. 2 X 6 TONGUE AND GROOVE DECKING WITH 3 PLY BUILT-UP ROOFING.
2. 6" Ø VEGA.
3. 8" Ø VEGA.
4. 8" Ø ROUND POST.
5. (2) #4 REBAR.



VEGA COLUMN PAD

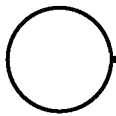
3/4" = 1'-0"

03A-1083



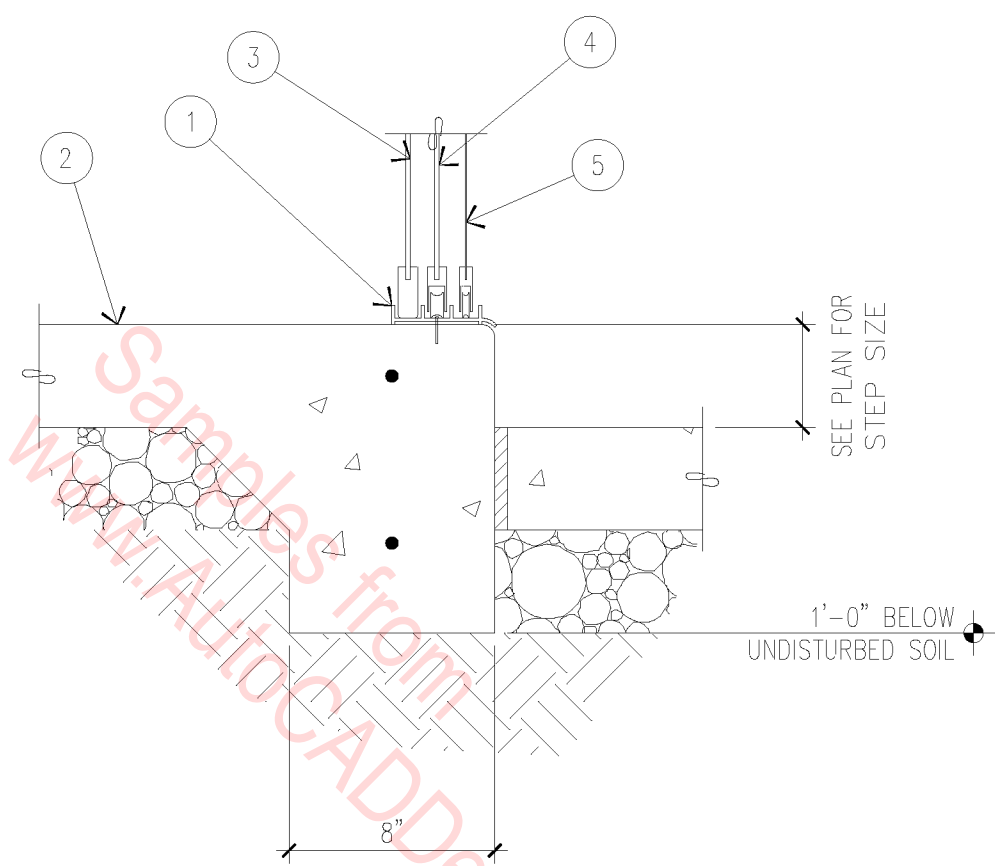
1. ALUMINUM BOTTOM TRACK.
2. 4" CONCRETE SLAB OVER 4" A.B.C. FILL.
3. FIXED GLASS PANEL.
4. SLIDING GLASS PANEL.
5. SLIDING SCREEN.

SLIDING GLASS DOOR BOTTOM TRACK



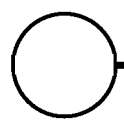
1 1/2" = 1'-0"

03A-1084



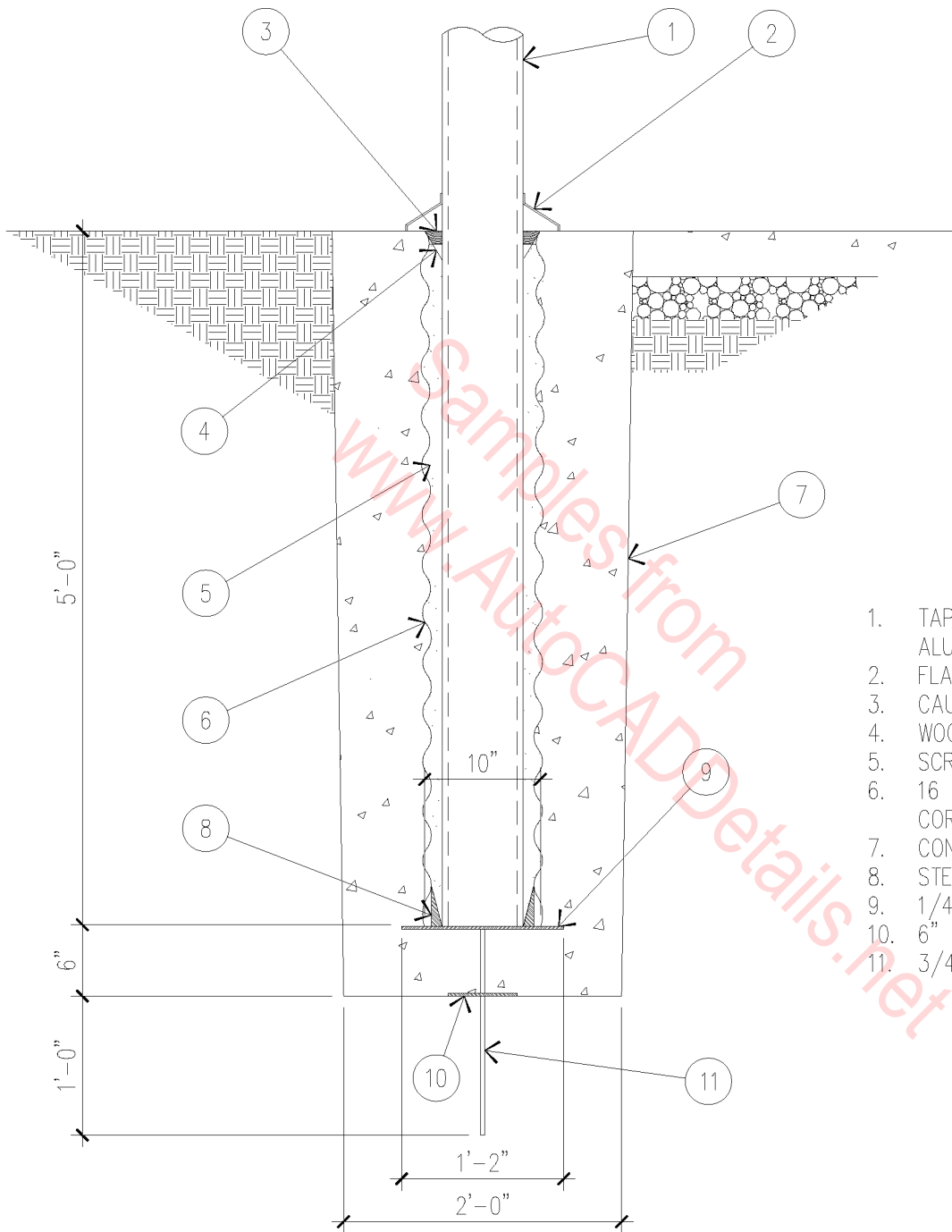
1. ALUMINUM BOTTOM TRACK.
2. 4" CONCRETE SLAB OVER 4" A.B.C. FILL.
3. FIXED GLASS PANEL.
4. SLIDING GLASS PANEL.
5. SLIDING SCREEN.

SLIDING GLASS DOOR BOTTOM TRACK

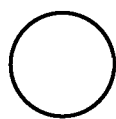


1 1/2" = 1'-0"

03A-1084



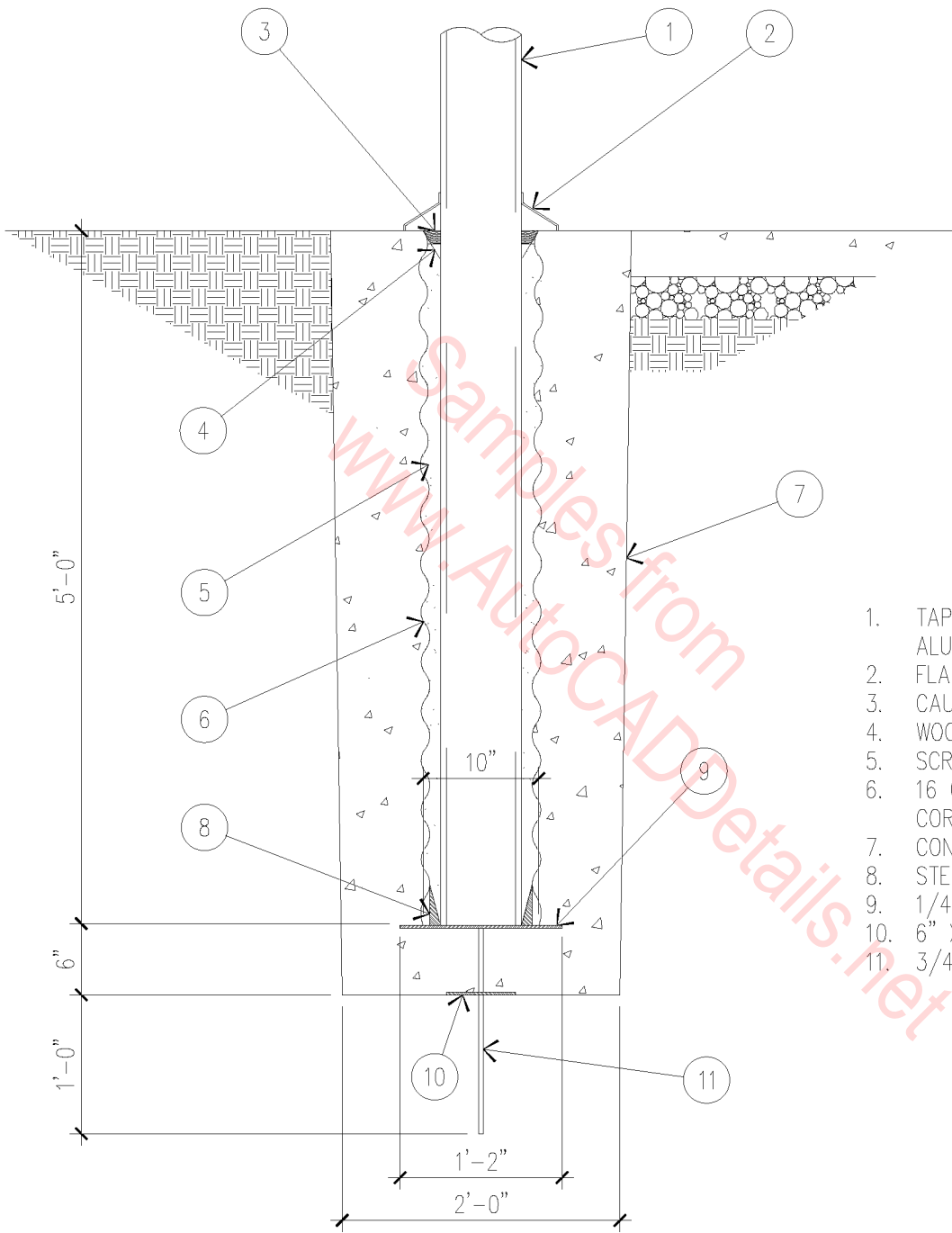
1. TAPERED CONE BRONZE ANODIZED ALUMINUM FLAGPOLE.
2. FLASHING COLLAR.
3. CAULKING COMPOUND.
4. WOOD WEDGES.
5. SCREENED SAND.
6. 16 GAUGE GALVANIZED CORRUGATED SLEEVE.
7. CONCRETE FOOTING.
8. STEEL CENTERING WEDGES.
9. 1/4" STEEL PLATE.
10. 6" X 6" X 1/4" STEEL PLATE.
11. 3/4" Ø LIGHTNING ARRESTOR SPIKE.



FLAGPOLE BASE

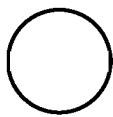
3/4" = 1'-0"

03A-1085



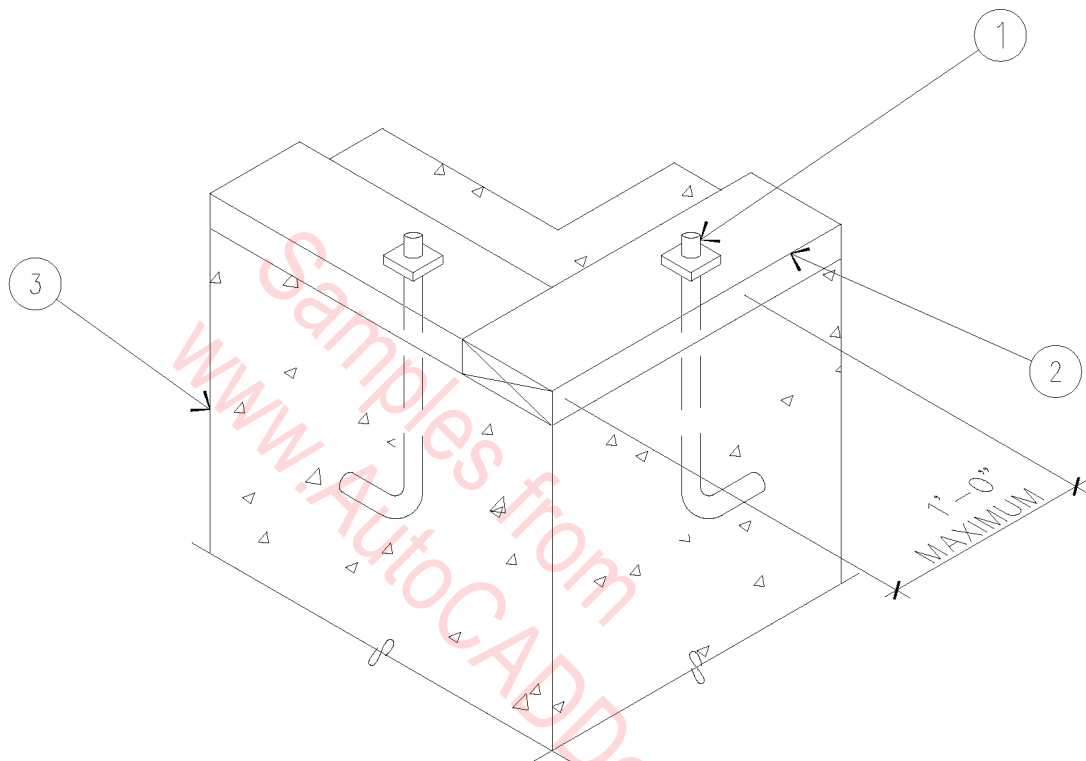
1. TAPERED CONE BRONZE ANODIZED ALUMINUM FLAGPOLE.
2. FLASHING COLLAR.
3. CAULKING COMPOUND.
4. WOOD WEDGES.
5. SCREENED SAND.
6. 16 GAUGE GALVANIZED CORRUGATED SLEEVE.
7. CONCRETE FOOTING.
8. STEEL CENTERING WEDGES.
9. 1/4" STEEL PLATE.
10. 6" X 6" X 1/4" STEEL PLATE.
11. 3/4" Ø LIGHTNING ARRESTOR SPIKE.

FLAGPOLE BASE



3/4" = 1'-0"

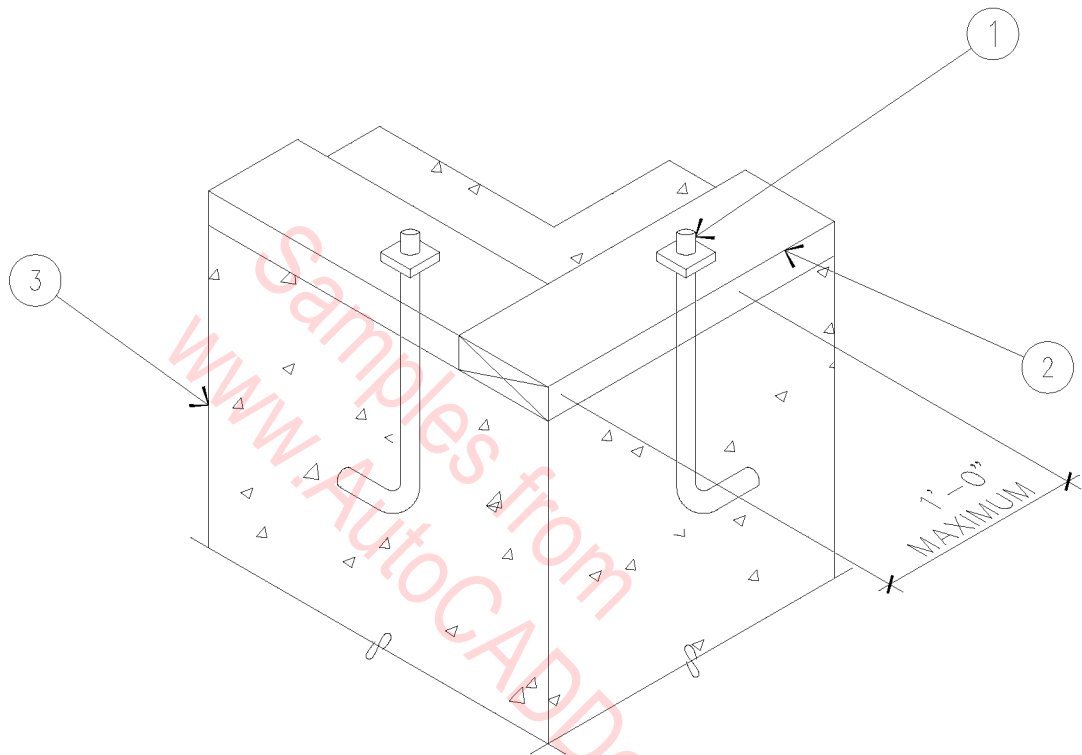
03A-1085



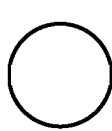
- 1. ANCHOR BOLT.
- 2. 2 X 6 SILL PLATE.
- 3. CONCRETE STEM WALL.

○ 2 X 6 SILL
 1" = 1'-0"

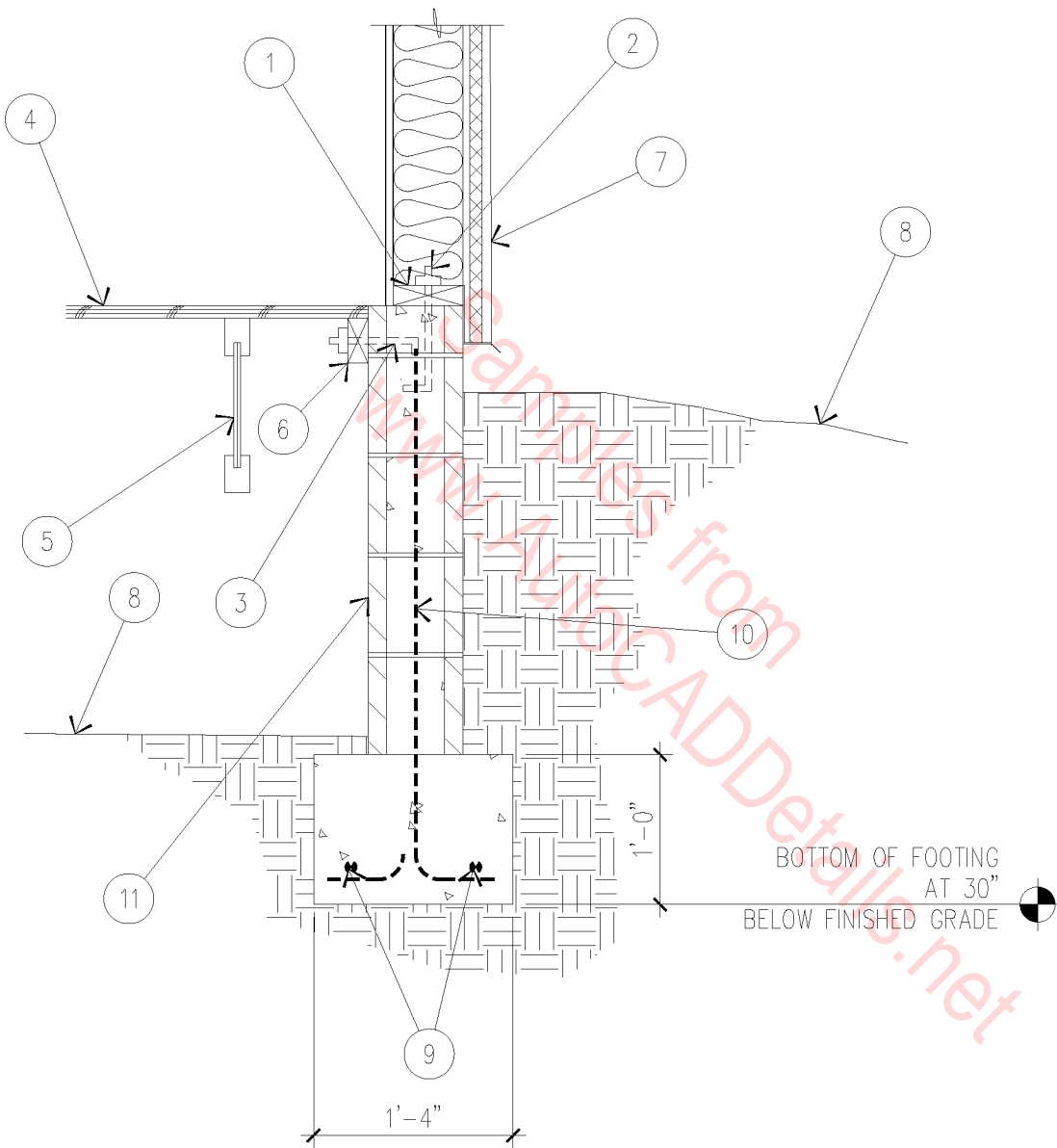
03A-1086



1. ANCHOR BOLT.
2. 2 X 6 SILL PLATE.
3. CONCRETE STEM WALL.


 2 X 6 SILL
 1" = 1'-0"

03A-1086

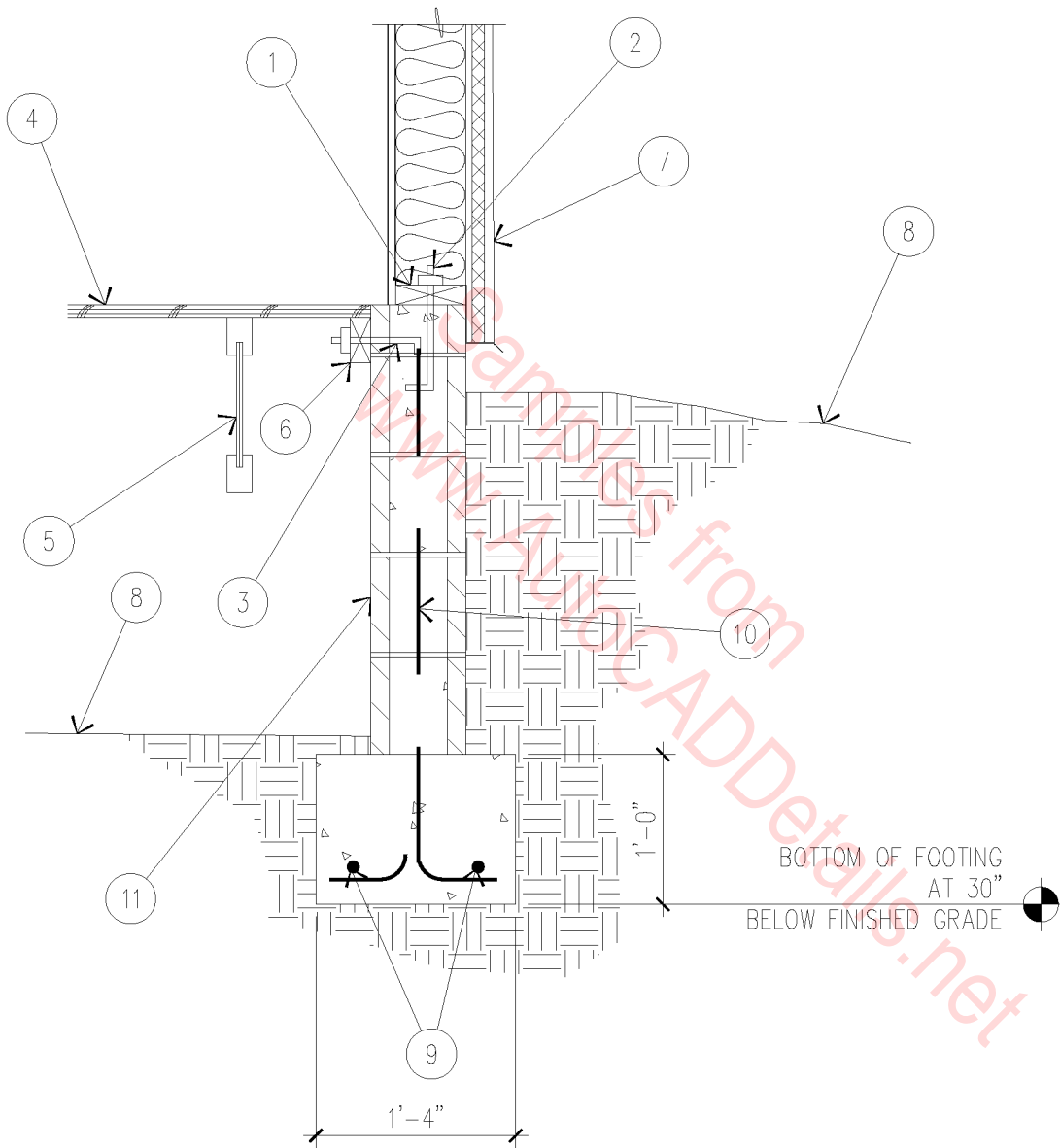


1. 2 X 6 SILL PLATE.
2. 5/8" ϕ X 10" ANCHOR BOLTS AT 72" O.C.
3. 5/8" ϕ X 5" ANCHOR BOLTS AT 48" O.C.
4. 1" DECK.
5. FLOOR JOIST.
6. 2 X 4 CONTINUOUS LEDGER.
7. STUCCO SYSTEM.
8. FINISHED GRADE.
9. (2) #4 REBAR CONTINUOUS.
10. #4 AT 32" O.C. - ALTERNATING BENDS.
11. 8" MASONRY STEM WALL - GROUT ALL CELLS SOLID.

FLOOR JOIST AT CMU STEM WALL

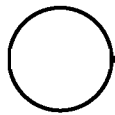
3/4" = 1'-0"

03A-1087



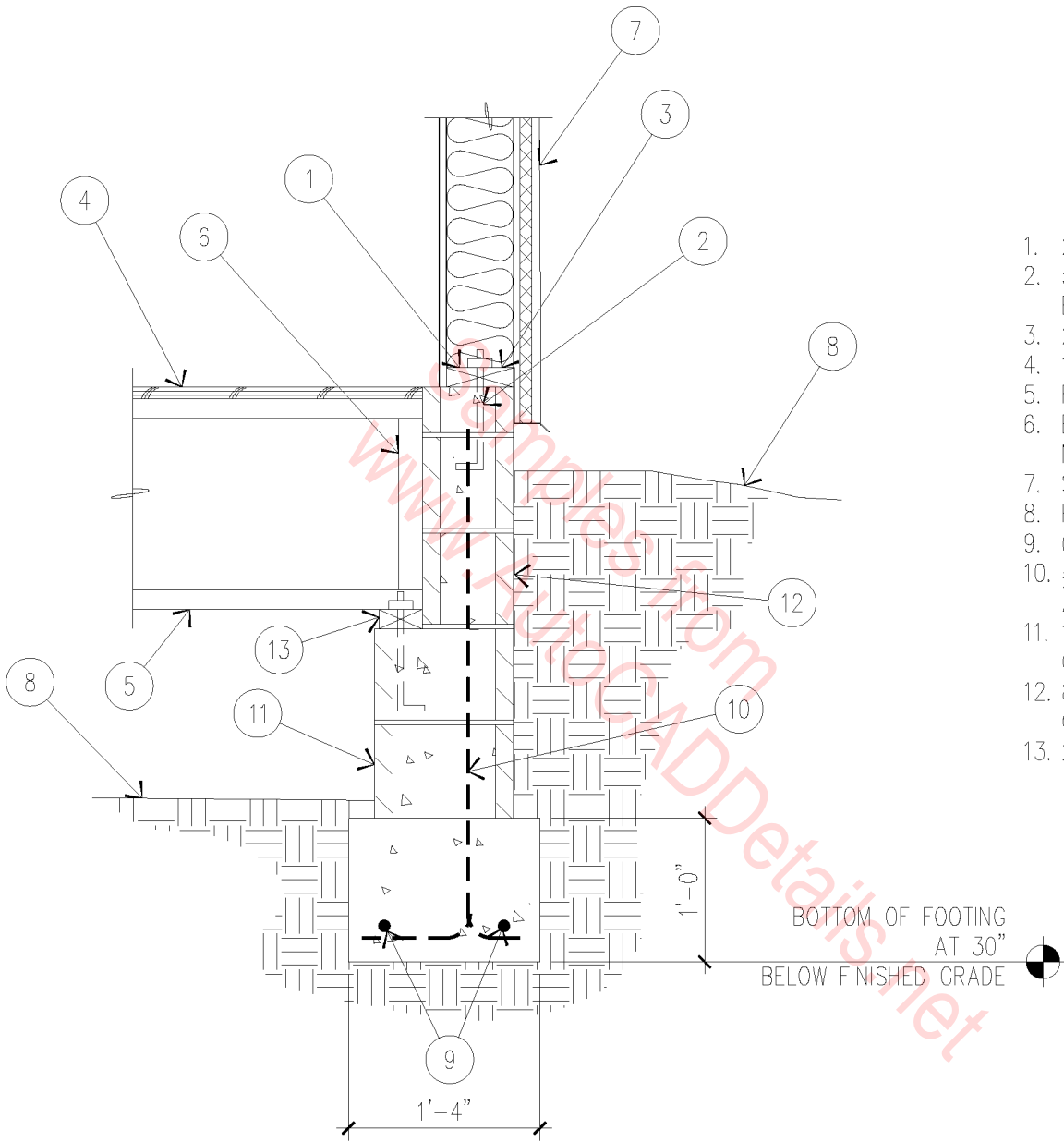
1. 2 X 6 SILL PLATE.
2. 5/8" ϕ X 10" ANCHOR BOLTS AT 72" O.C.
3. 5/8" ϕ X 5" ANCHOR BOLTS AT 48" O.C.
4. 1" DECK.
5. FLOOR JOIST.
6. 2 X 4 CONTINUOUS LEDGER.
7. STUCCO SYSTEM.
8. FINISHED GRADE.
9. (2) #4 REBAR CONTINUOUS.
10. #4 AT 32" O.C. - ALTERNATING BENDS.
11. 8" MASONRY STEM WALL - GROUT ALL CELLS SOLID.

FLOOR JOIST AT CMU STEM WALL



3/4" = 1'-0"

03A-1087

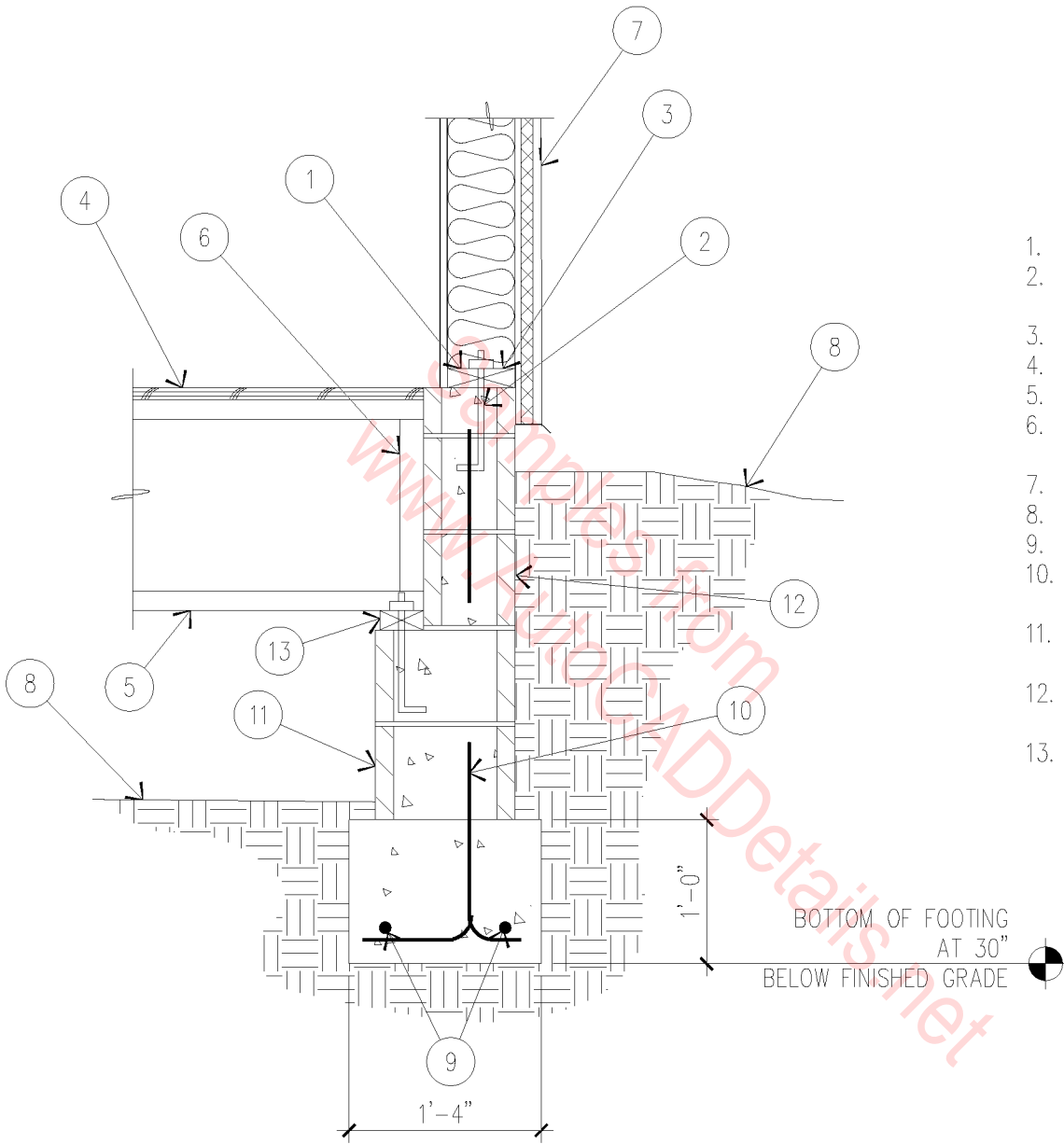


1. 2 X 6 SILL PLATE.
2. 5/8" ϕ X 10" ANCHOR BOLTS AT 72" O.C.
3. 2 X 6 SILL PLATE.
4. 1" PLYWOOD DECK.
5. FLOOR JOIST.
6. BLOCKING PER MANUFACTURER.
7. STUCCO SYSTEM.
8. FINISHED GRADE.
9. (2) #4 REBAR CONTINUOUS.
10. #4 AT 32" O.C. - ALTERNATE BENDS.
11. 12" MASONRY STEM - GROUT ALL CELLS SOLID.
12. 8" MASONRY STEM - GROUT ALL CELLS SOLID.
13. 2 X 4 SILL PLATE.

FLOOR JOIST AT CMU STEM WALL

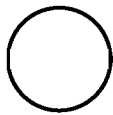
3/4" = 1'-0"

03A-1088



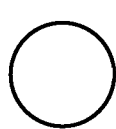
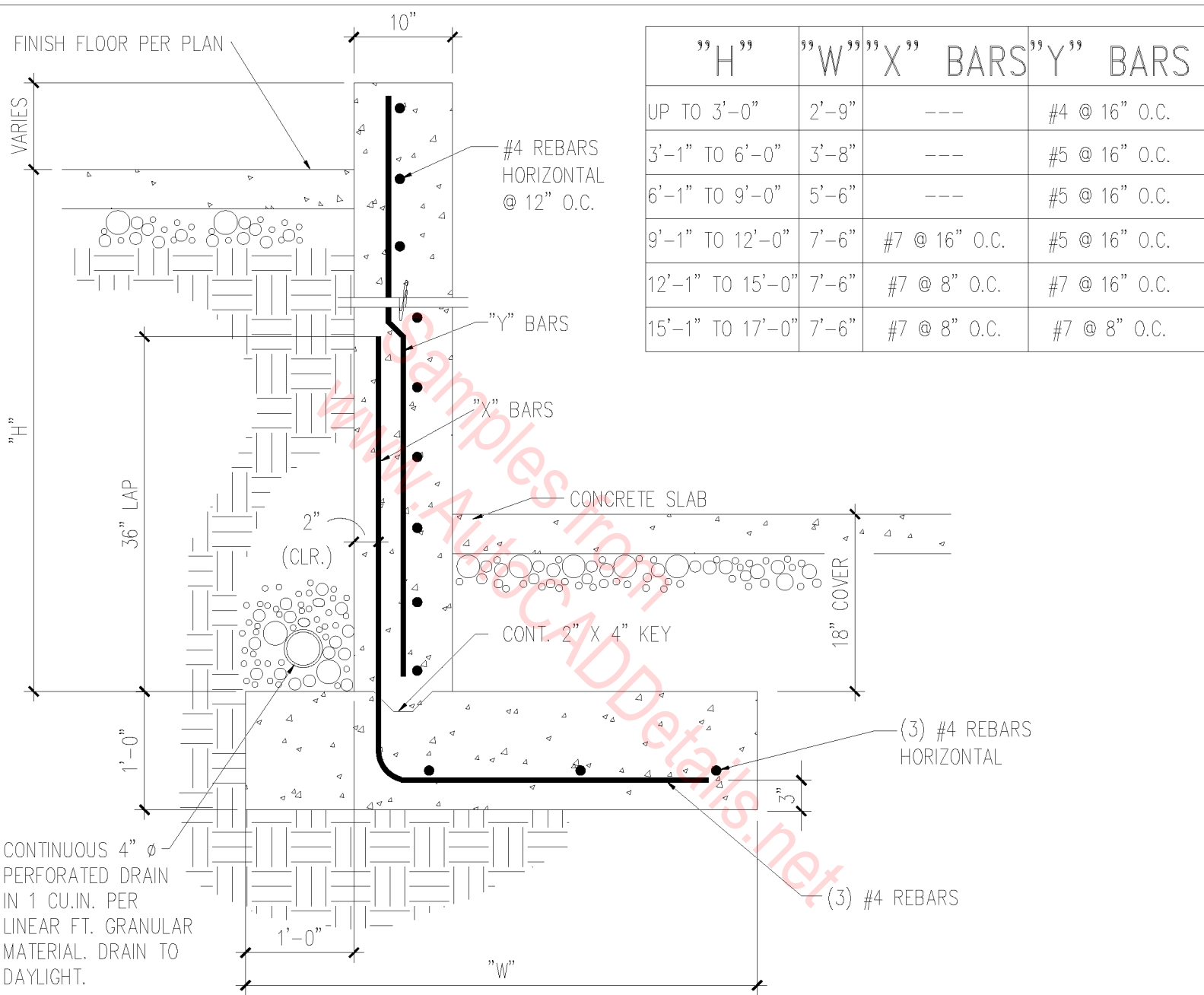
1. 2 X 6 SILL PLATE.
2. 5/8" Ø X 10" ANCHOR BOLTS AT 72" O.C.
3. 2 X 6 SILL PLATE.
4. 1" PLYWOOD DECK.
5. FLOOR JOIST.
6. BLOCKING PER MANUFACTURER.
7. STUCCO SYSTEM.
8. FINISHED GRADE.
9. (2) #4 REBAR CONTINUOUS.
10. #4 AT 32" O.C. - ALTERNATE BENDS.
11. 12" MASONRY STEM - GROUT ALL CELLS SOLID.
12. 8" MASONRY STEM - GROUT ALL CELLS SOLID.
13. 2 X 4 SILL PLATE.

FLOOR JOIST AT CMU STEM WALL



3/4" = 1'-0"

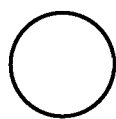
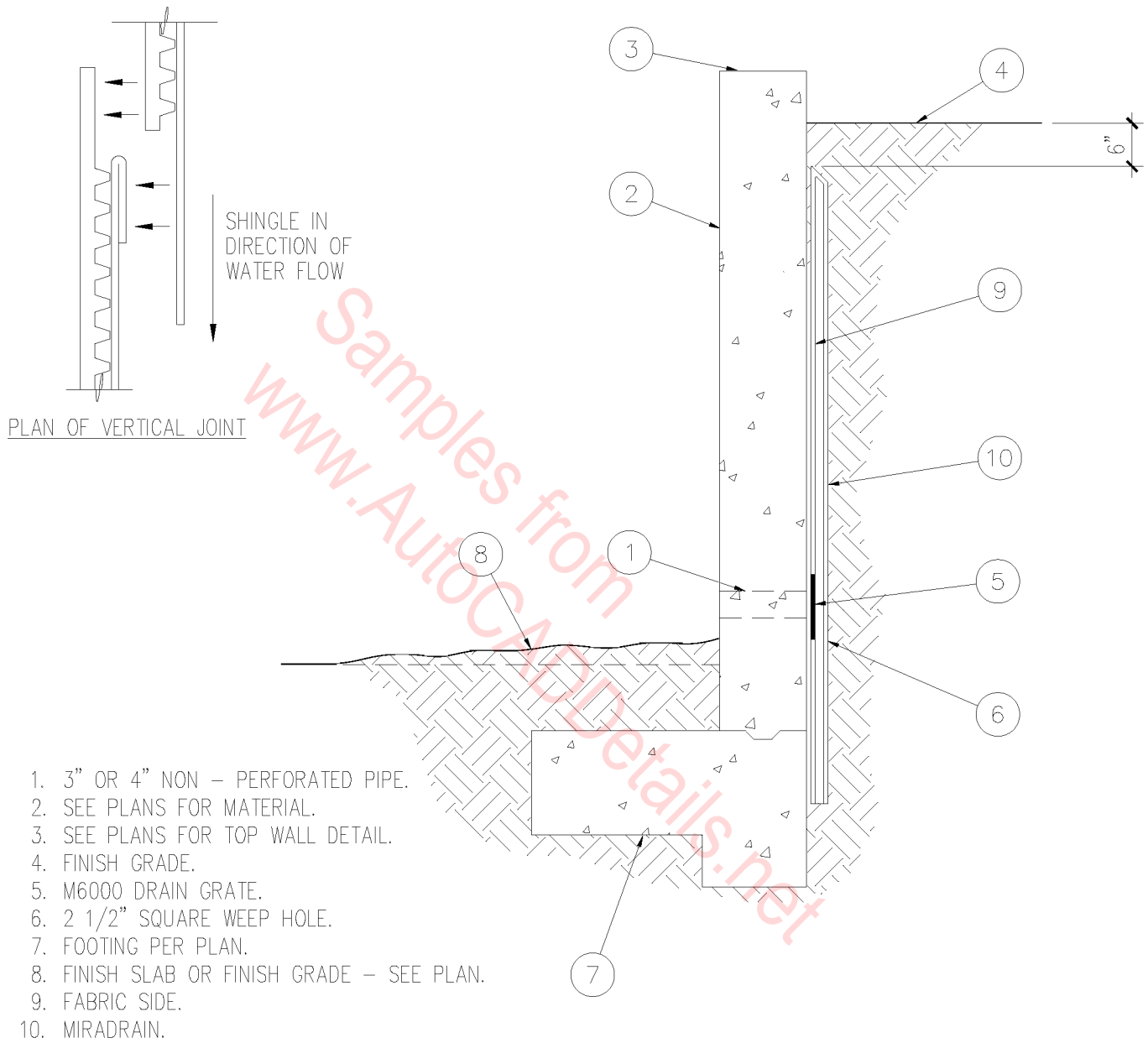
03A-1088



C.I.P. RETAINING WALL

3/4" = 1'-0"

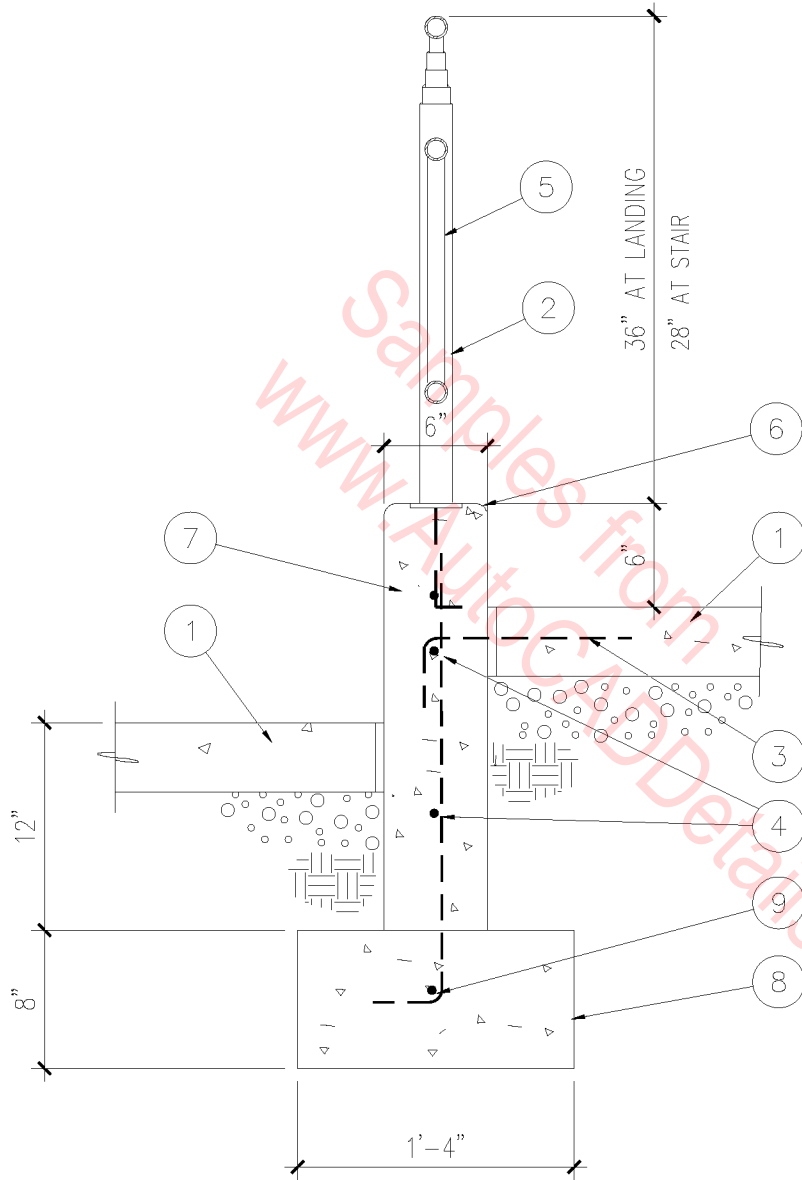
03A-5001



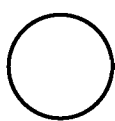
RETAINING WALL DRAINAGE

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

03A-5002



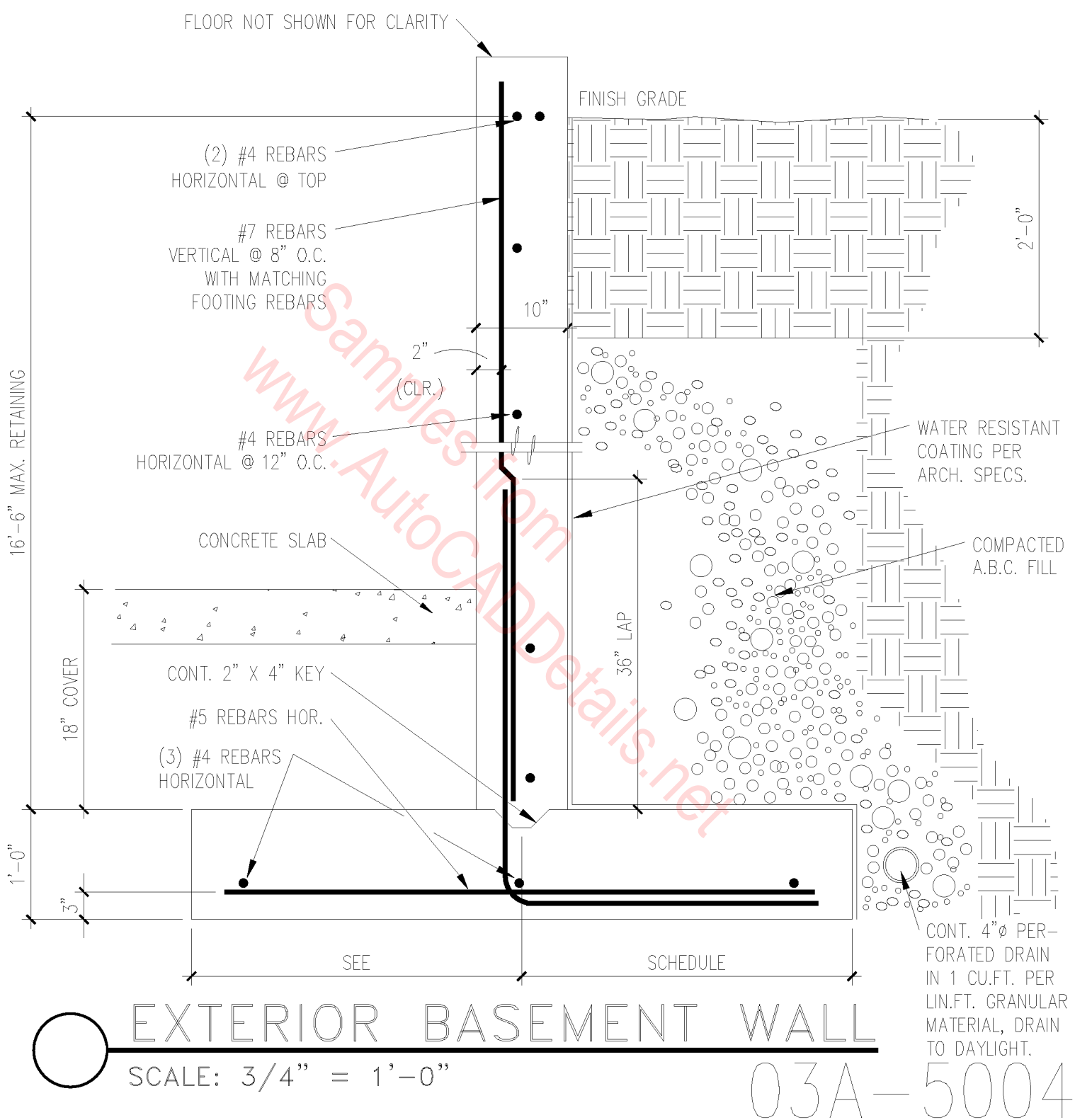
1. 4" CONC. SLAB OVER 4" A.B.C.
2. 1-1/2" DIAMETER. STEEL. PIPE AT 4'-8" O.C. AND EACH END WITH 3"x3"x1/4" WELD PLATE WITH 5/8" DIAMETER ANCHOR BOLT WITH 2" HOOK EMBEDDED 6".
3. ONE #4 REBAR X 16" LONG WITH 4" HOOK @ 24" O.C.
4. #4 REBAR @ 12" O.C. EACH WAY.
5. 3/4" DIAMETER STEEL. PIPE AT 6" O.C. MAX PICKETS.
6. 3/4" RADIUS.
7. CONC. CURB.
8. CONC. FOOTING.
9. ONE (1) #4 REBAR CONT.



CURB @ STAIR

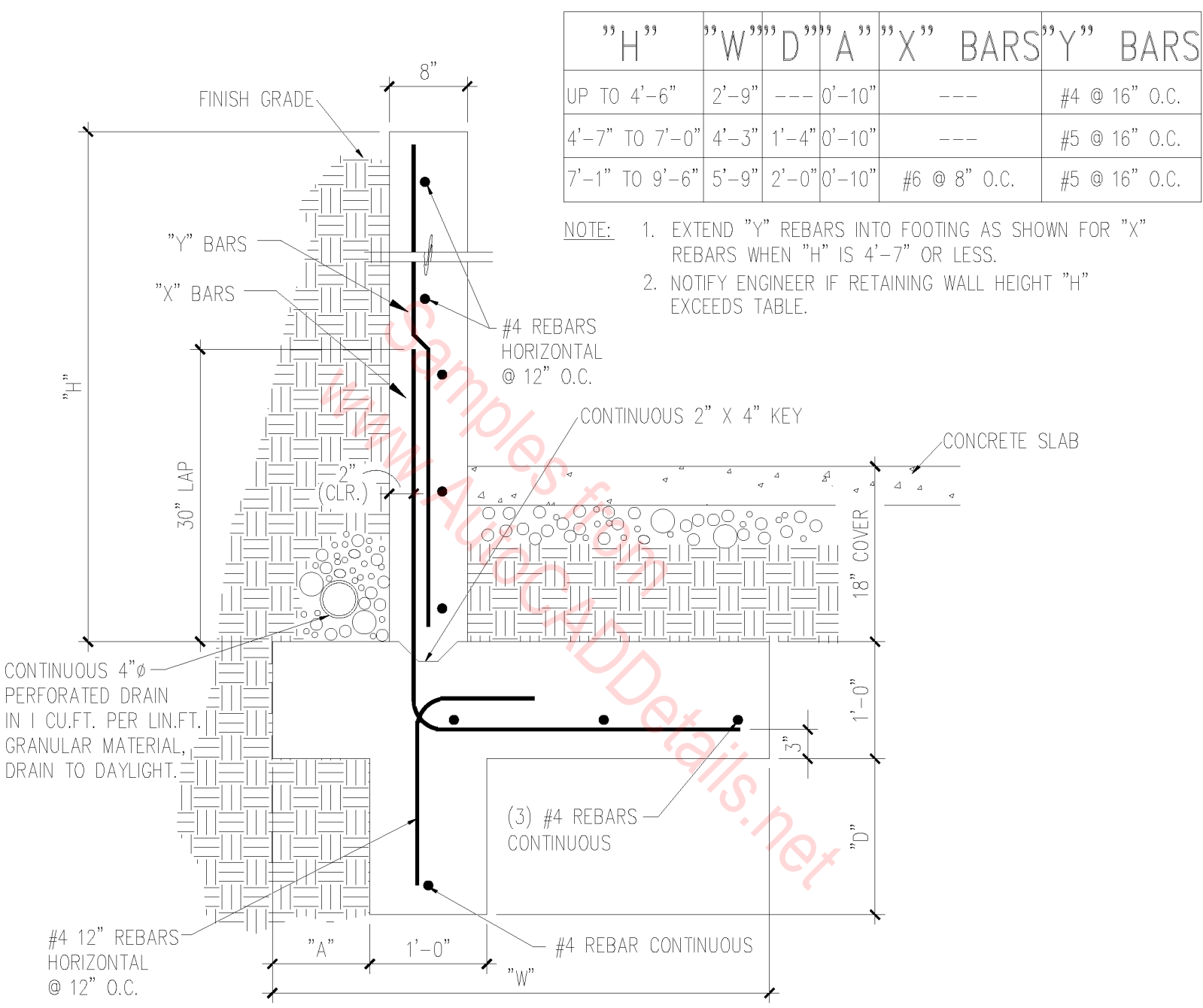
SCALE: 1" = 1'-0"

03A-5003



"H"	"W"	"D"	"A"	"X" BARS	"Y" BARS
UP TO 4'-6"	2'-9"	---	0'-10"	---	#4 @ 16" O.C.
4'-7" TO 7'-0"	4'-3"	1'-4"	0'-10"	---	#5 @ 16" O.C.
7'-1" TO 9'-6"	5'-9"	2'-0"	0'-10"	#6 @ 8" O.C.	#5 @ 16" O.C.

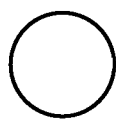
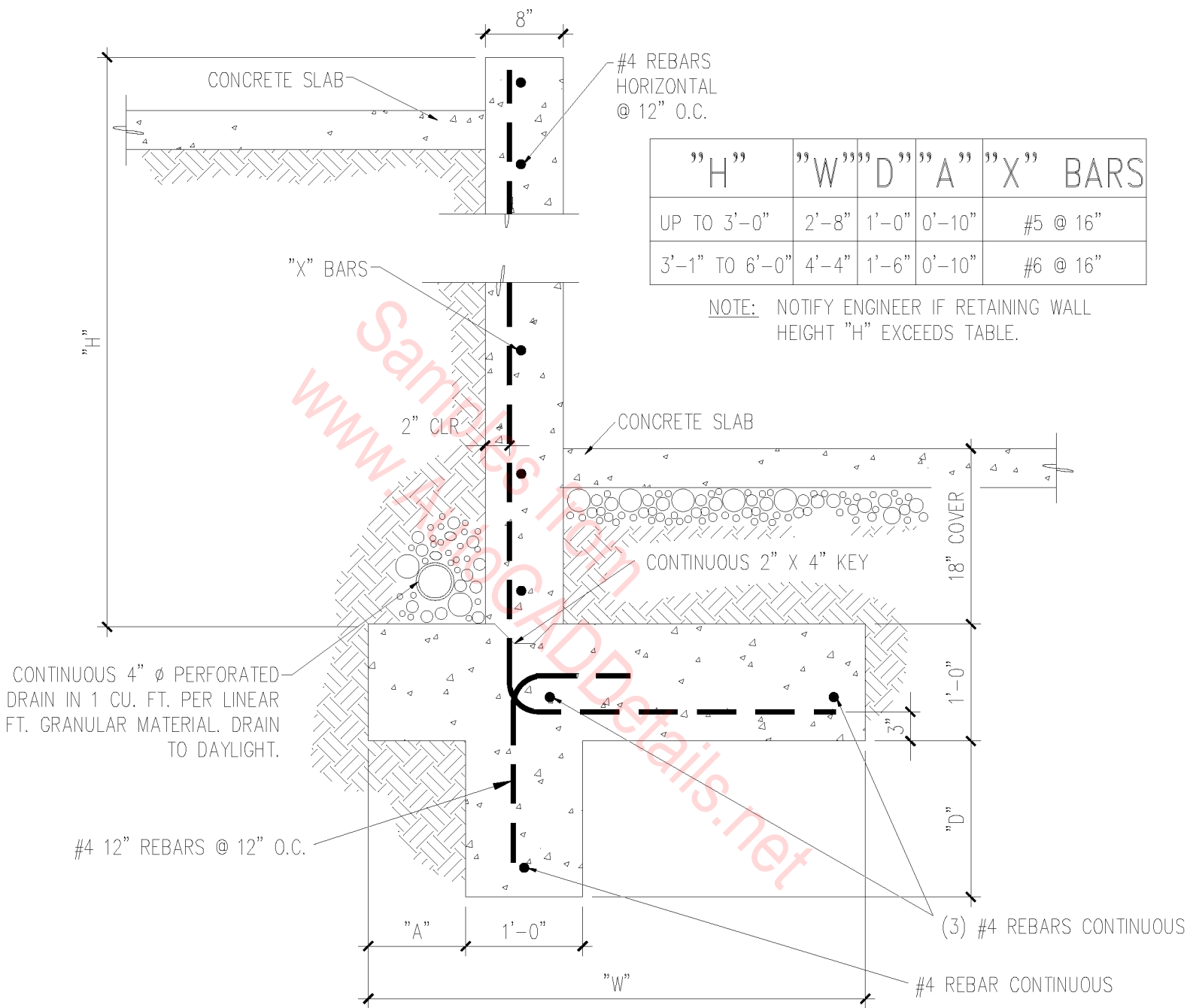
NOTE: 1. EXTEND "Y" REBARS INTO FOOTING AS SHOWN FOR "X" REBARS WHEN "H" IS 4'-7" OR LESS.
 2. NOTIFY ENGINEER IF RETAINING WALL HEIGHT "H" EXCEEDS TABLE.



RETAINING WALL

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

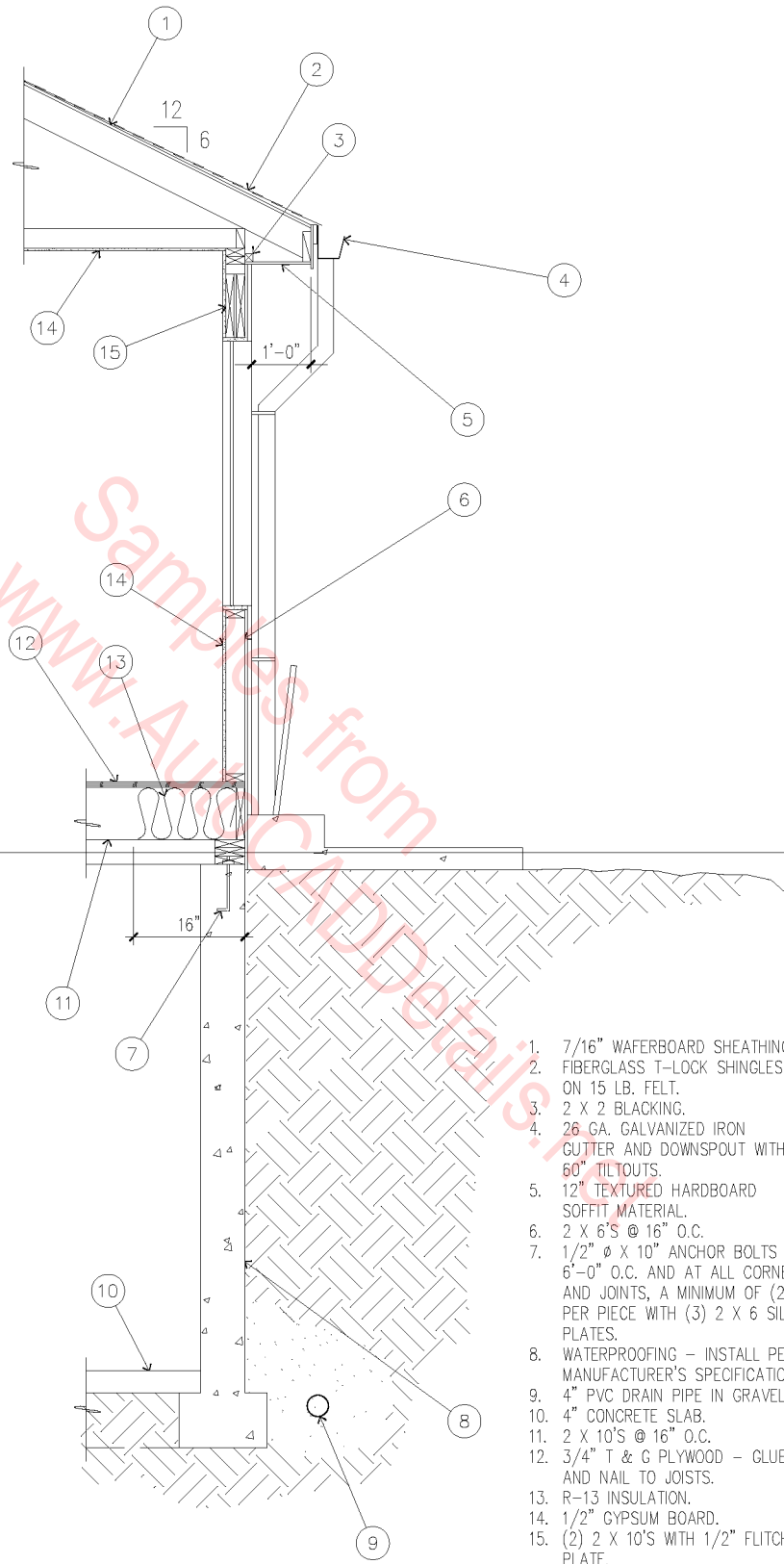
03A-5005



RETAINING WALL

3/4" = 1'-0"

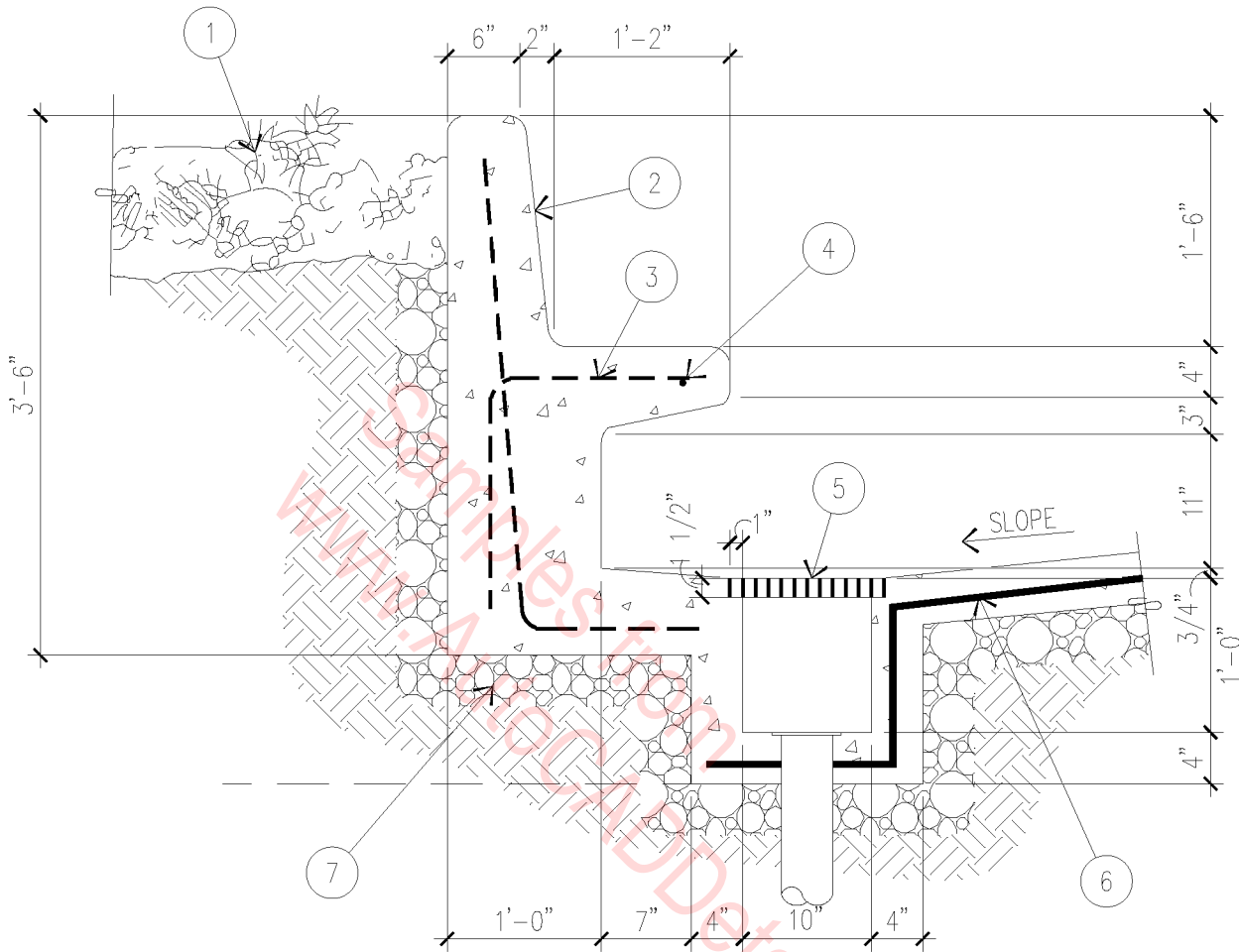
03A-5006



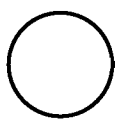
1. 7/16" WAFERBOARD SHEATHING.
2. FIBERGLASS T-LOCK SHINGLES ON 15 LB. FELT.
3. 2 X 2 BLACKING.
4. 26 GA. GALVANIZED IRON GUTTER AND DOWNSPOUT WITH 60° TILTOUTS.
5. 12" TEXTURED HARDBOARD SOFFIT MATERIAL.
6. 2 X 6'S @ 16" O.C.
7. 1/2" Ø X 10" ANCHOR BOLTS @ 6'-0" O.C. AND AT ALL CORNERS AND JOINTS, A MINIMUM OF (2) PER PIECE WITH (3) 2 X 6 SILL PLATES.
8. WATERPROOFING - INSTALL PER MANUFACTURER'S SPECIFICATIONS.
9. 4" PVC DRAIN PIPE IN GRAVEL.
10. 4" CONCRETE SLAB.
11. 2 X 10'S @ 16" O.C.
12. 3/4" T & G PLYWOOD - GLUE AND NAIL TO JOISTS.
13. R-13 INSULATION.
14. 1/2" GYPSUM BOARD.
15. (2) 2 X 10'S WITH 1/2" FLITCH PLATE.

○ TYPICAL WALL SECTION
 1/2" = 1'-0"

03A-5007



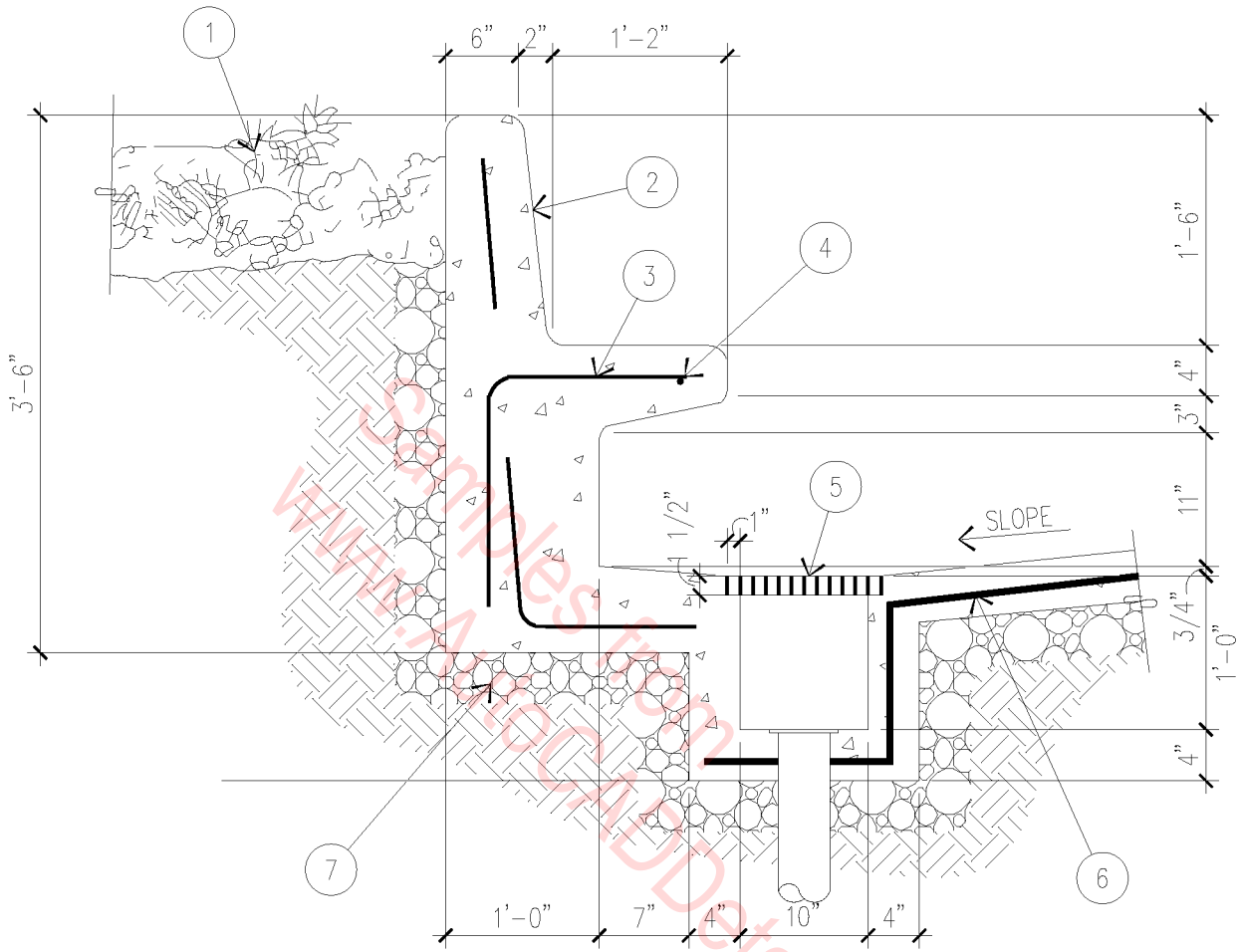
1. PLANTS.
2. CONCRETE WALL AND SEAT WITH TRENCH DRAIN.
3. #4 REBAR AT 24" O.C.
4. #4 REBAR, CONTINUOUS.
5. STEEL GRATE.
6. SNOW MELT.
7. GRAVEL.



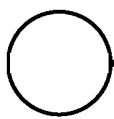
EXTERIOR PLANTER

3/4" = 1'-0"

03A-5008



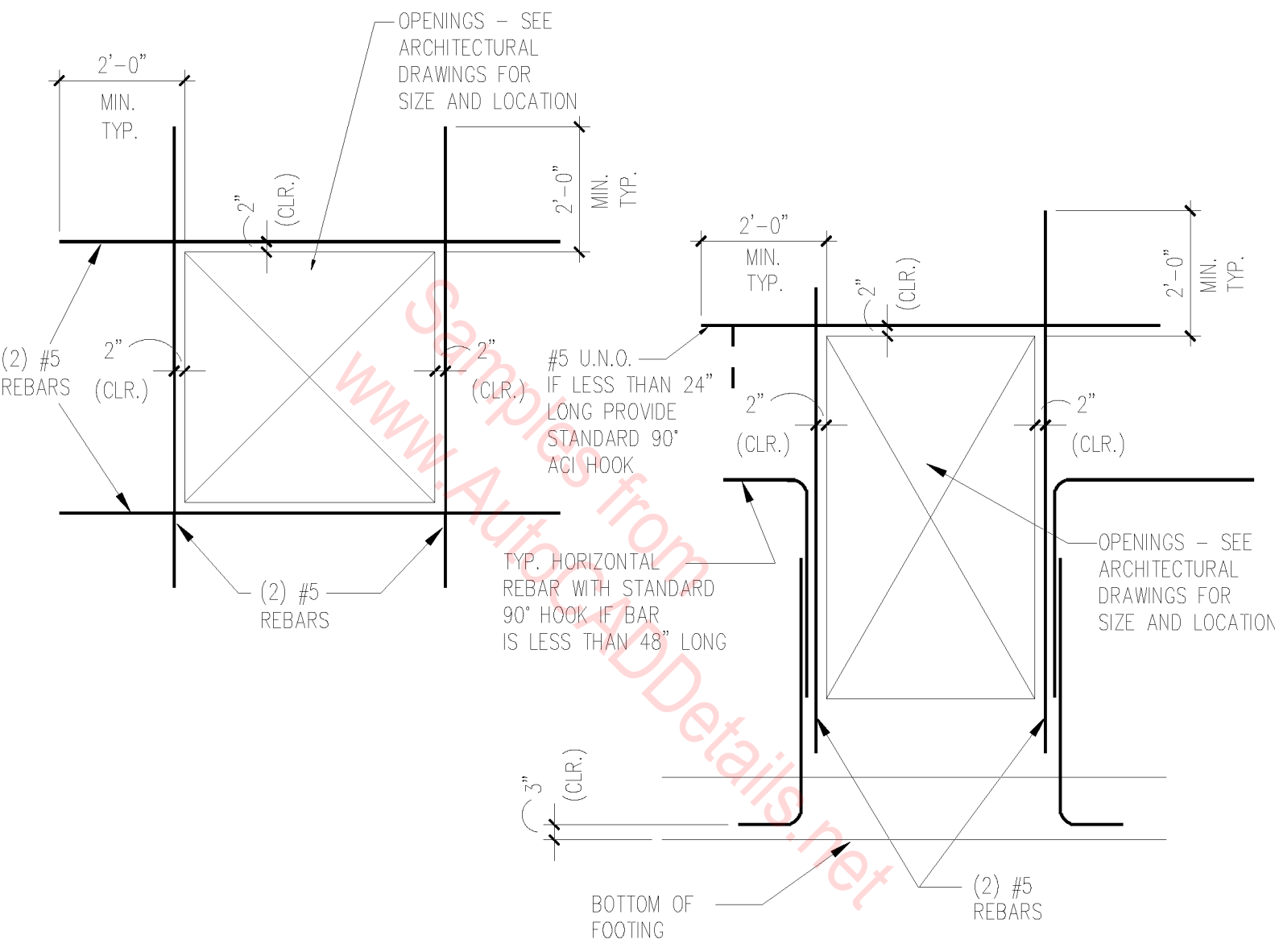
1. PLANTS.
2. CONCRETE WALL AND SEAT WITH TRENCH DRAIN.
3. #4 REBAR AT 24" O.C.
4. #4 REBAR, CONTINUOUS.
5. STEEL GRATE.
6. SNOW MELT.
7. GRAVEL.



EXTERIOR PLANTER

3/4" = 1'-0"

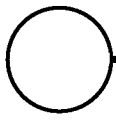
03A-5008

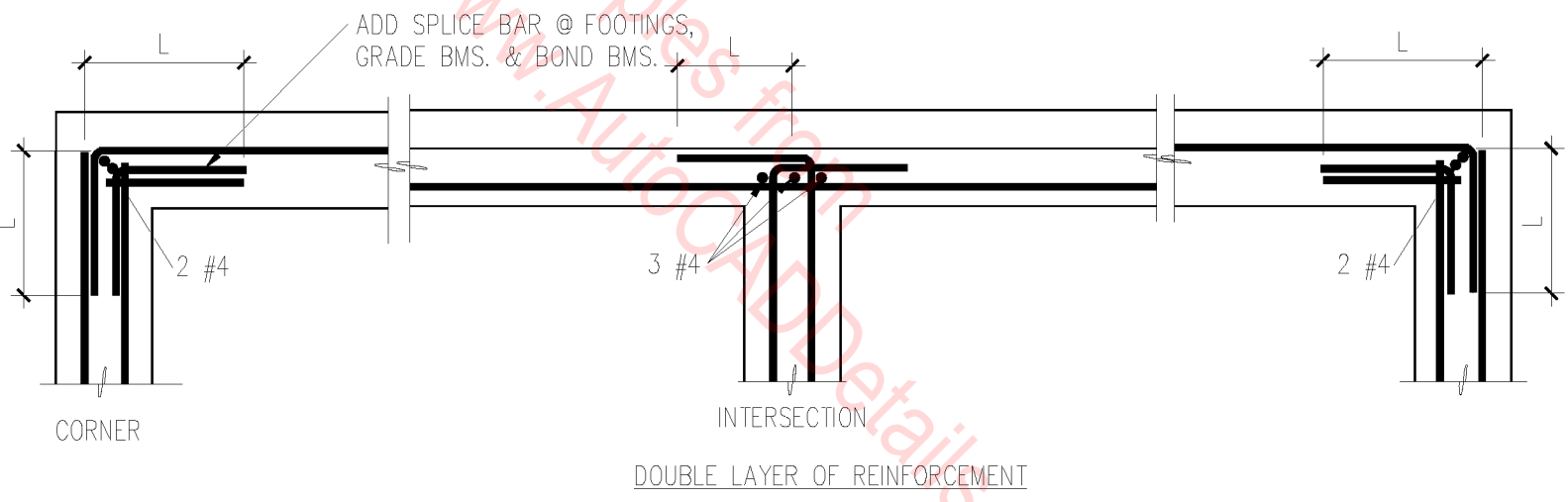
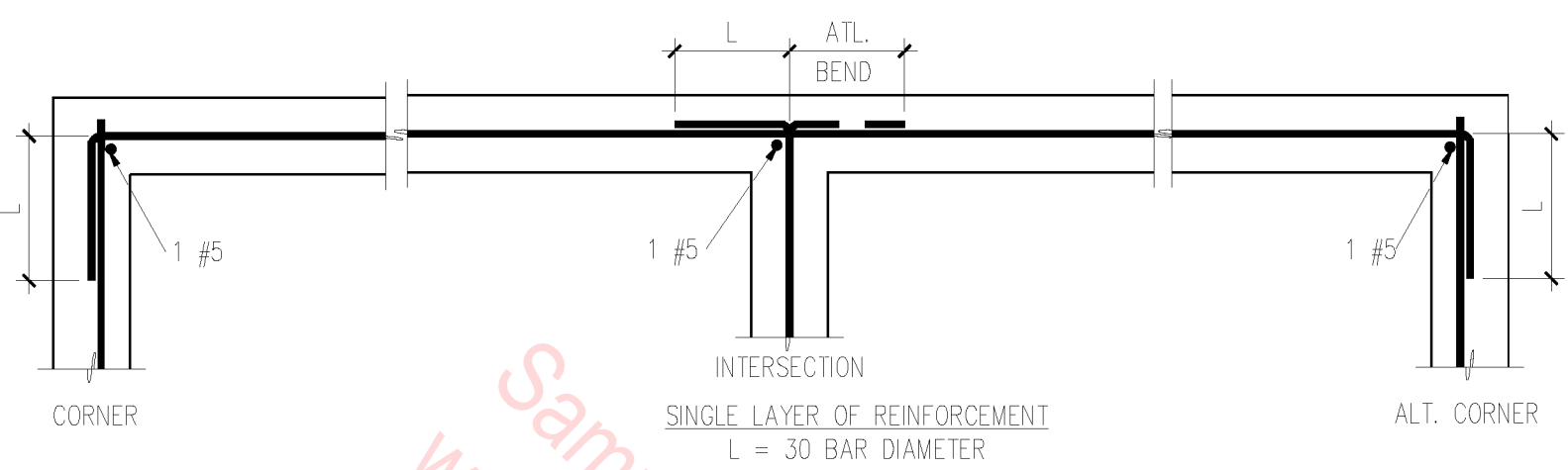


MIN. REINFORCING AT OPENINGS

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

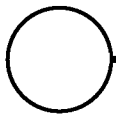
03A-4001





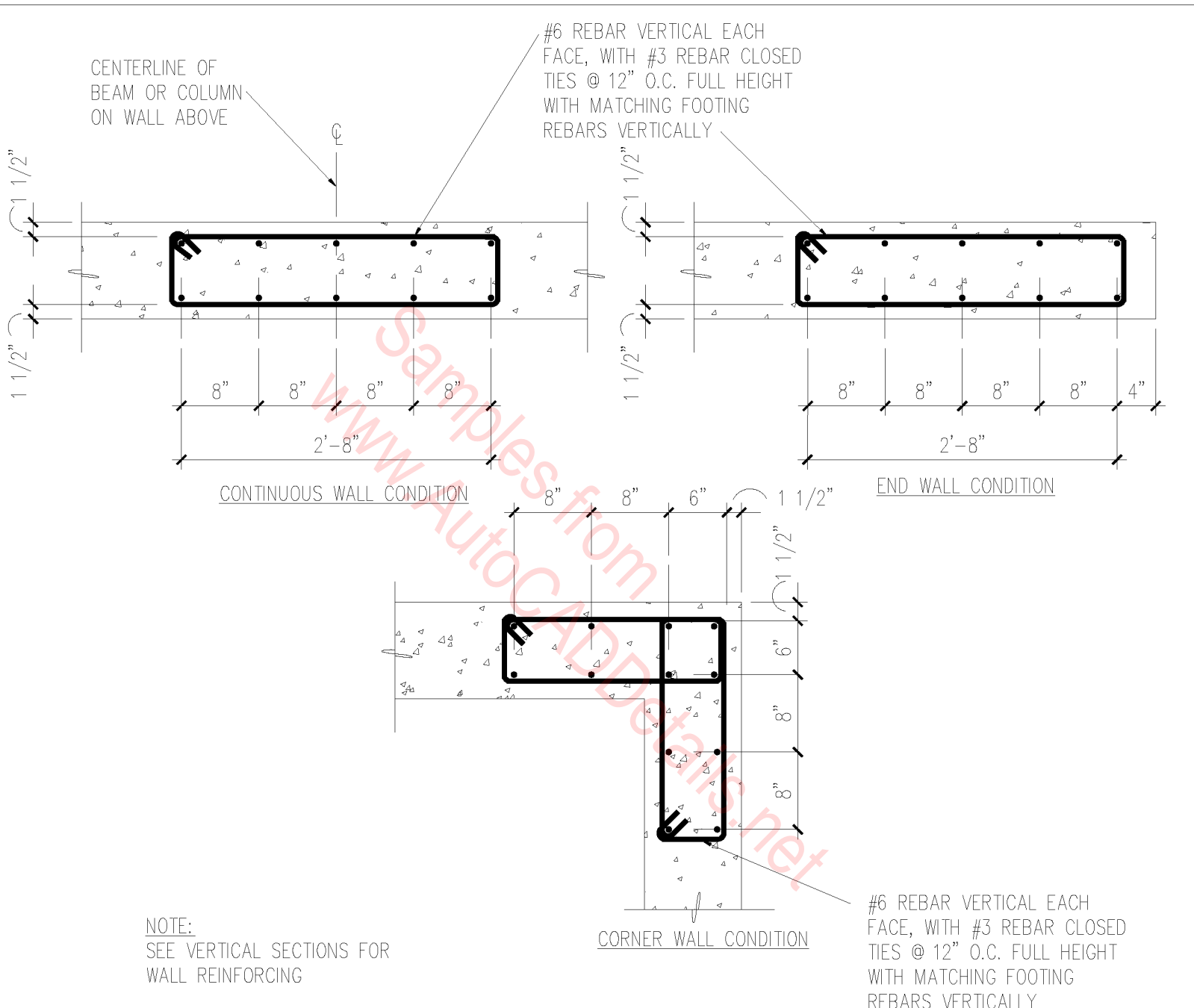
NOTE: ALL HORIZONTAL BARS IN FOOTINGS, GRADE BMS. & BOND BMS. SHALL BE CONT. AROUND CORNERS AND INTERSECTIONS.

REINFORCING @ CORNERS AND INTERSECTIONS



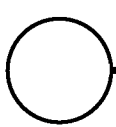
SCALE: 3/4" = 1'-0"

03A-4002



NOTE:
SEE VERTICAL SECTIONS FOR
WALL REINFORCING

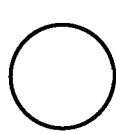
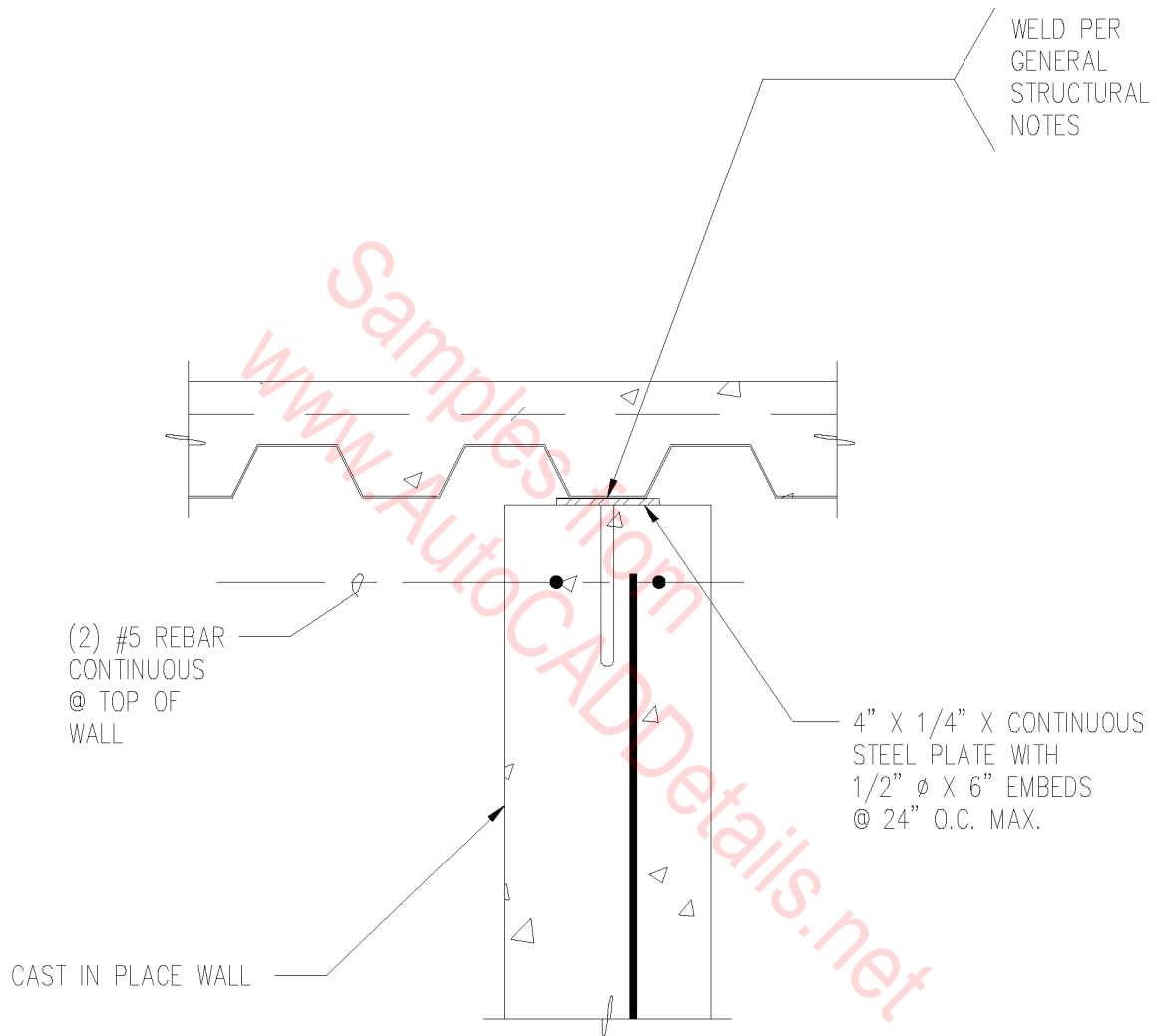
#6 REBAR VERTICAL EACH
FACE, WITH #3 REBAR CLOSED
TIES @ 12" O.C. FULL HEIGHT
WITH MATCHING FOOTING
REBARS VERTICALLY



C.I.P. WALL REINFORCING

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

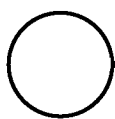
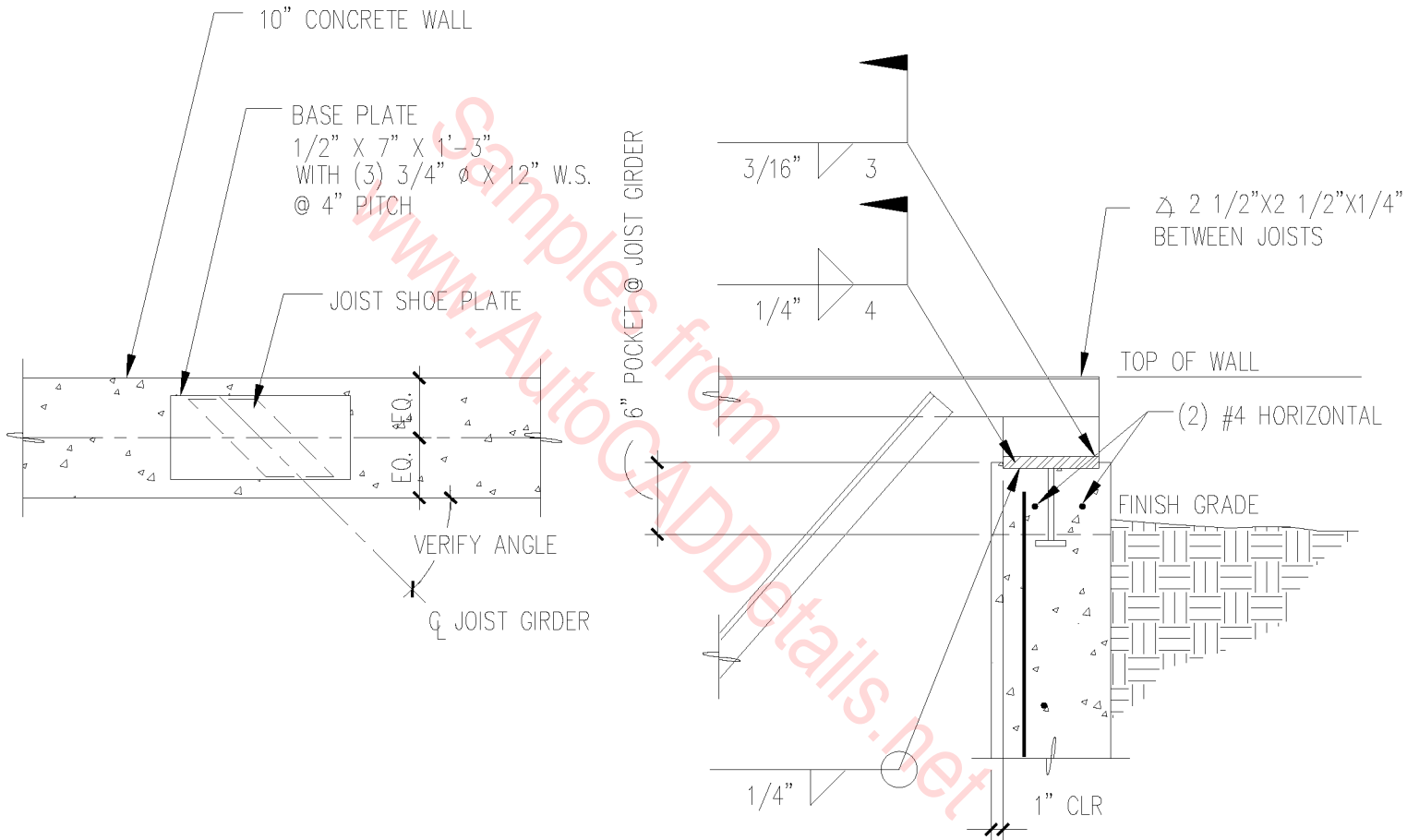
03A-4003



DECK TO TOP OF WALL

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

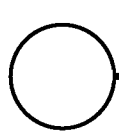
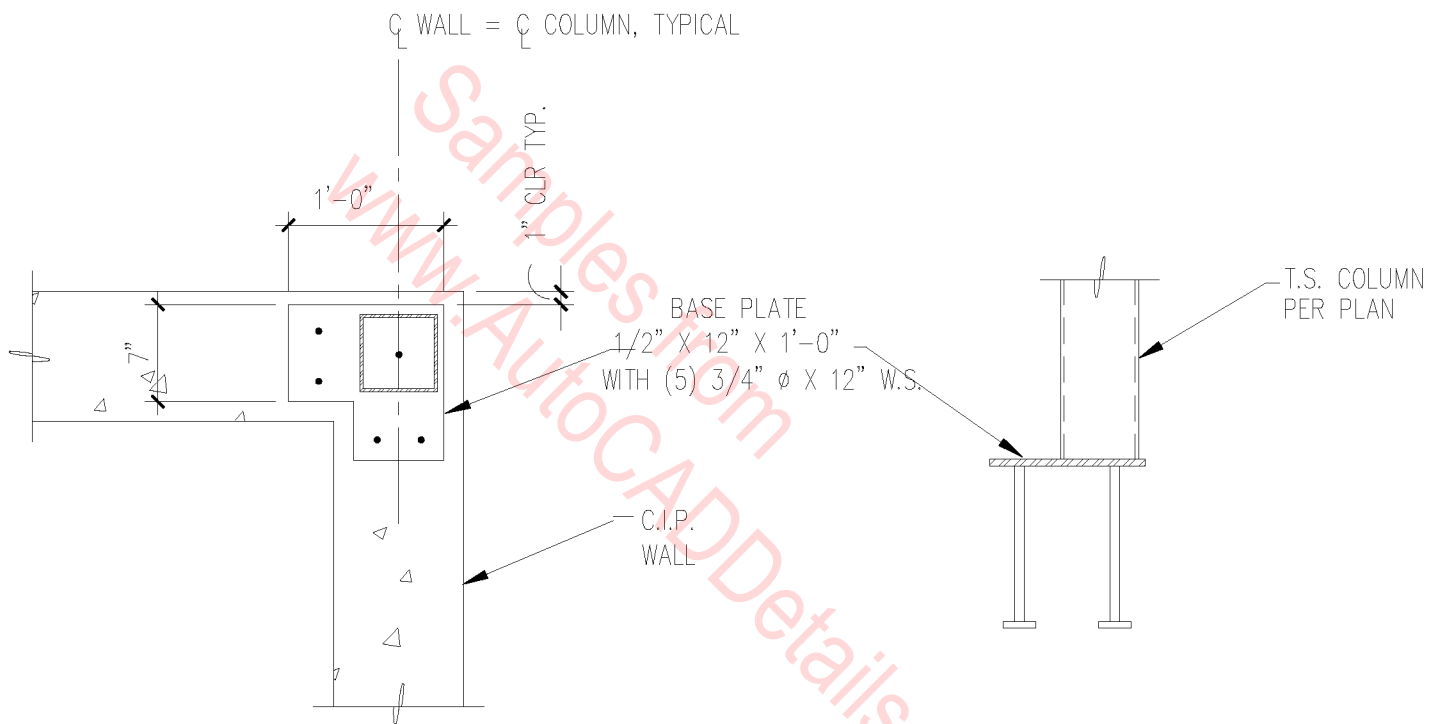
03A-4004



JOIST SEATED AT WALL

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

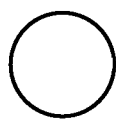
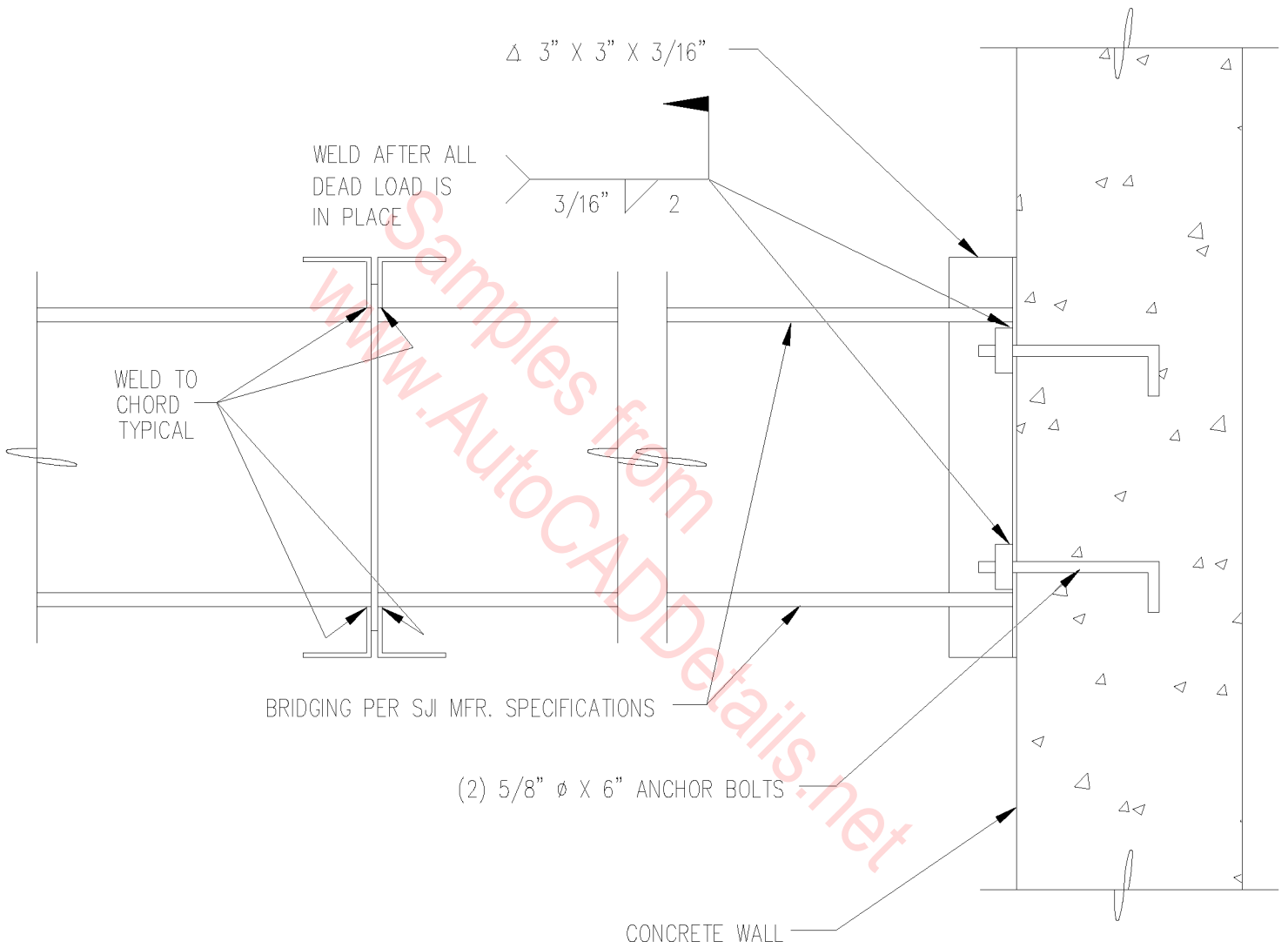
03A-4005



T.S. COL. AT C.I.P. WALL

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

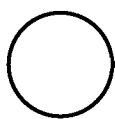
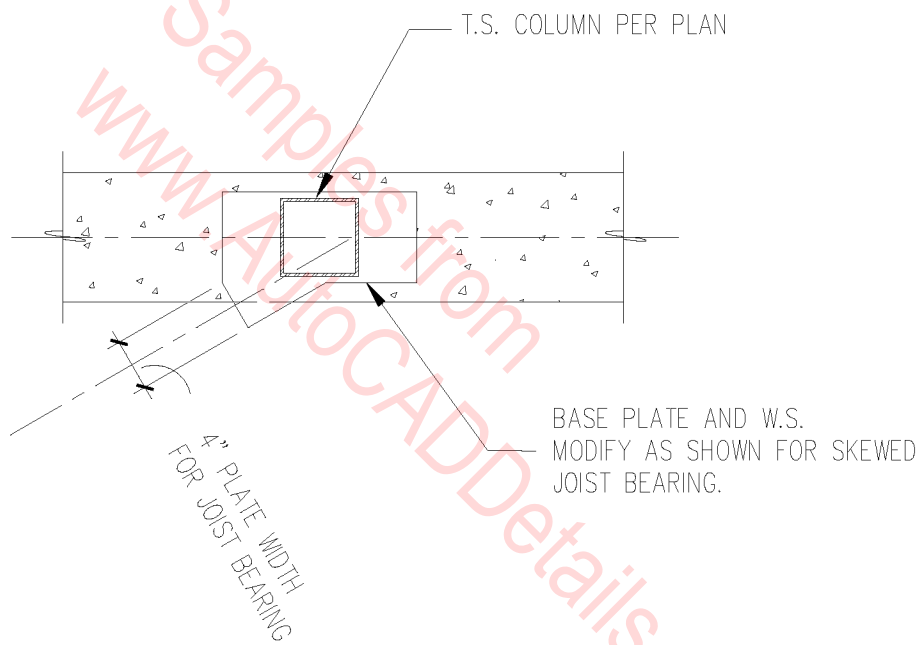
03A-4006



JOIST BRIDGING AT WALL

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

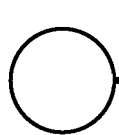
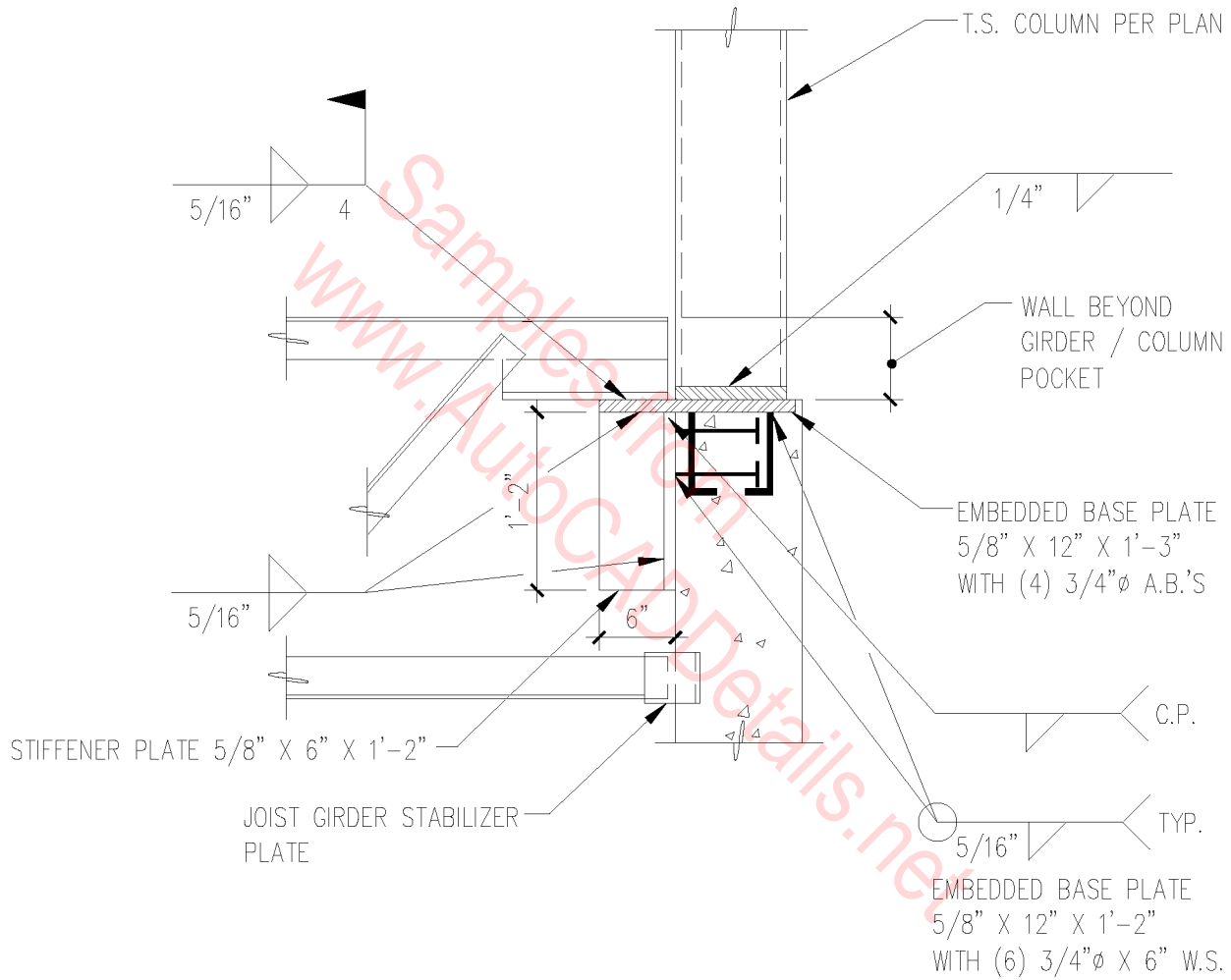
03A-4007



SKEWED JOIST BEARING

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

03A-4008

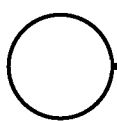
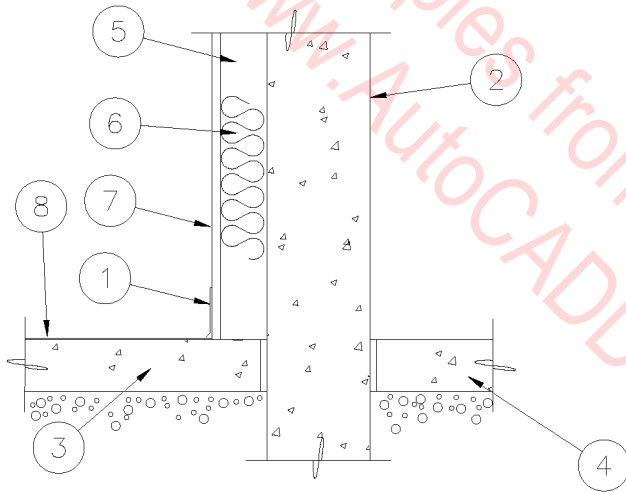


GIRDER/COLUMN TO WALL

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

03A-4009

1. BASE.
2. CONCRETE WALL.
3. CONCRETE FLOOR SLAB ON ABC.
4. EXTERIOR CONCRETE SIDEWALK ON ABC.
5. 3-5/8" METAL STUDS AT 24" O.C.
6. R-11 BATT INSULATION.
7. 5/8" GYPSUM BOARD.
8. FLOOR FINISH, SEE ROOM FINISH SCHEDULE.

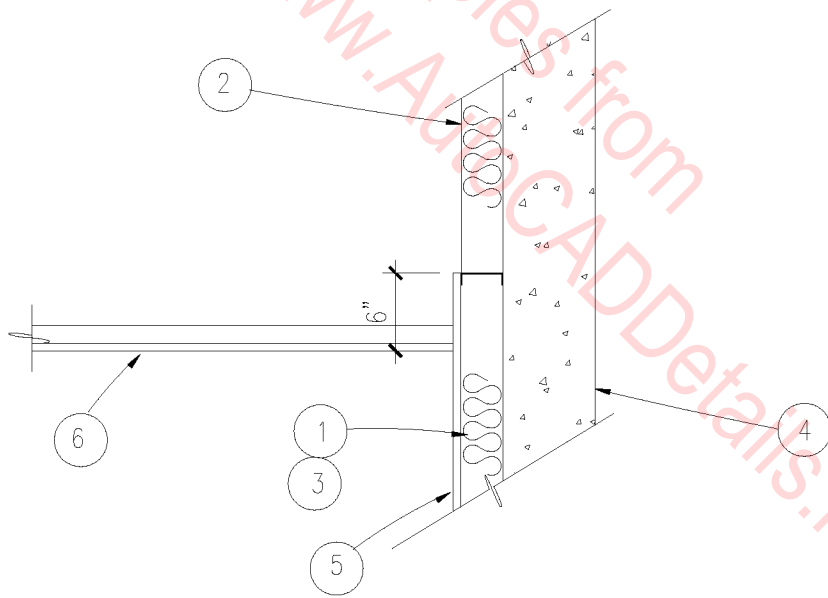


FURRED EXTERIOR WALL

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

03A-4010

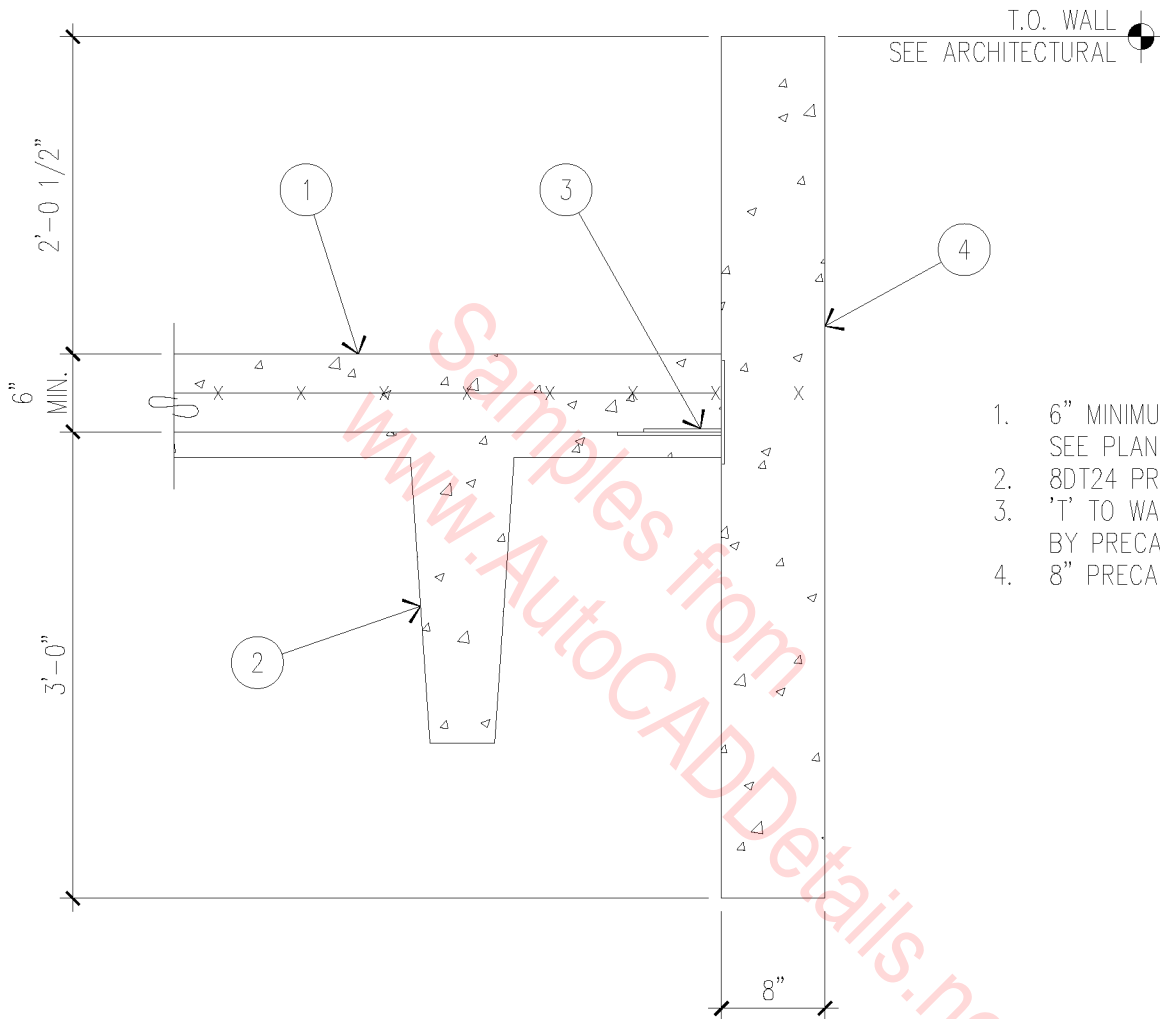
1. 3-5/8" METAL STUDS AT 16" O.C.
2. RUN STUDS AND INSULATION TO ROOF DECK AT EXTERIOR WALL.
3. R-11 BATT INSULATION.
4. CONCRETE WALL.
5. SEE ROOM FINISH SCHEDULE FOR WALL MATERIAL AND FINISH.
6. SEE ROOM FINISH SCHEDULE FOR CEILING MATERIAL, FINISH & HEIGHT.



○ FURRED EXTERIOR WALL

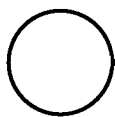
3/4" = 1'-0"

03A-4011



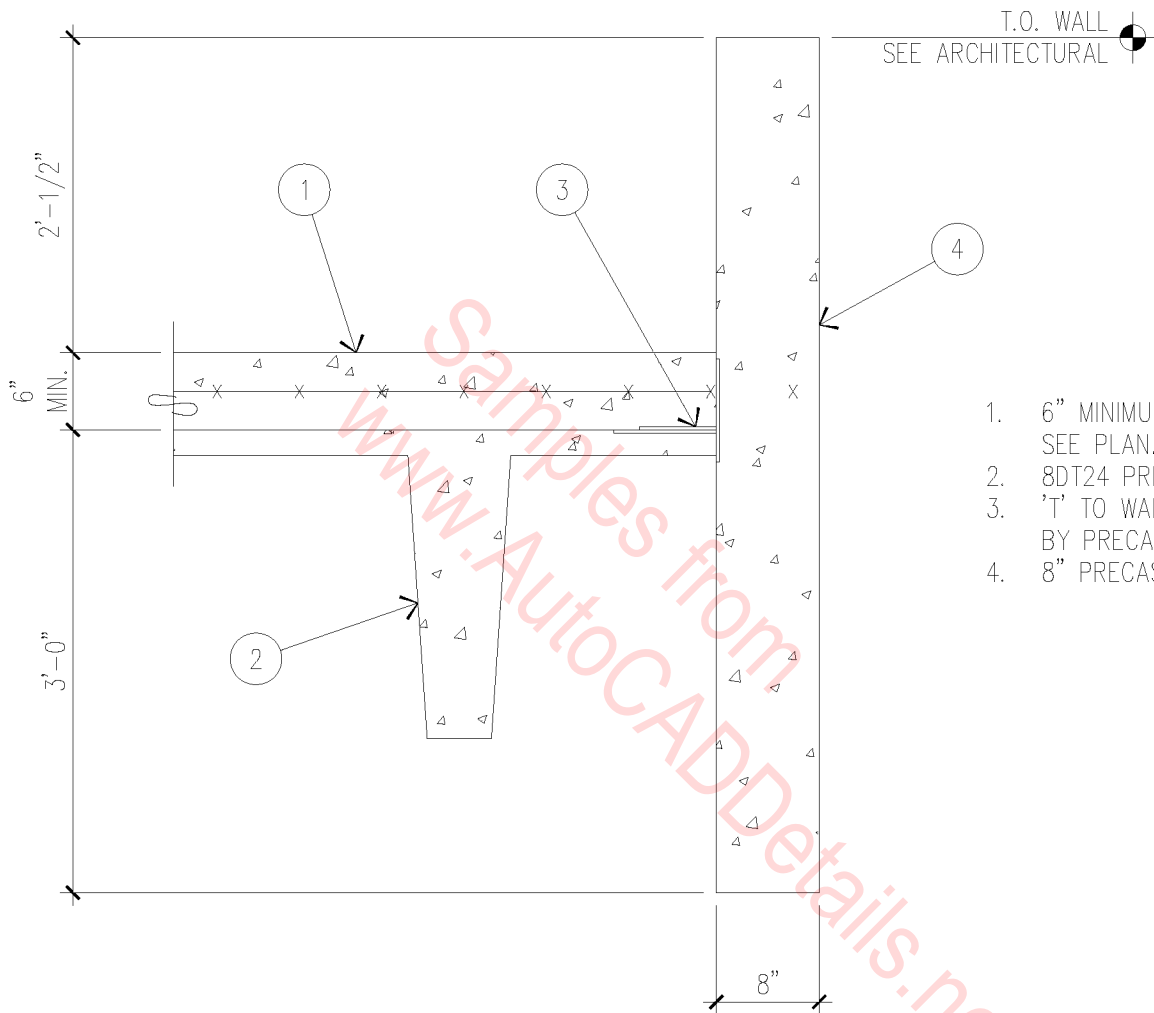
1. 6" MINIMUM CONCRETE SLAB - SEE PLAN.
2. 8DT24 PRECAST CONCRETE 'T'.
3. 'T' TO WALL CONNECTION BY PRECAST SUPPLIER.
4. 8" PRECAST WALL.

PRECAST
WALL TO BEAM



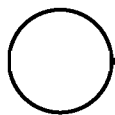
3/4" = 1'-0"

03A-4012



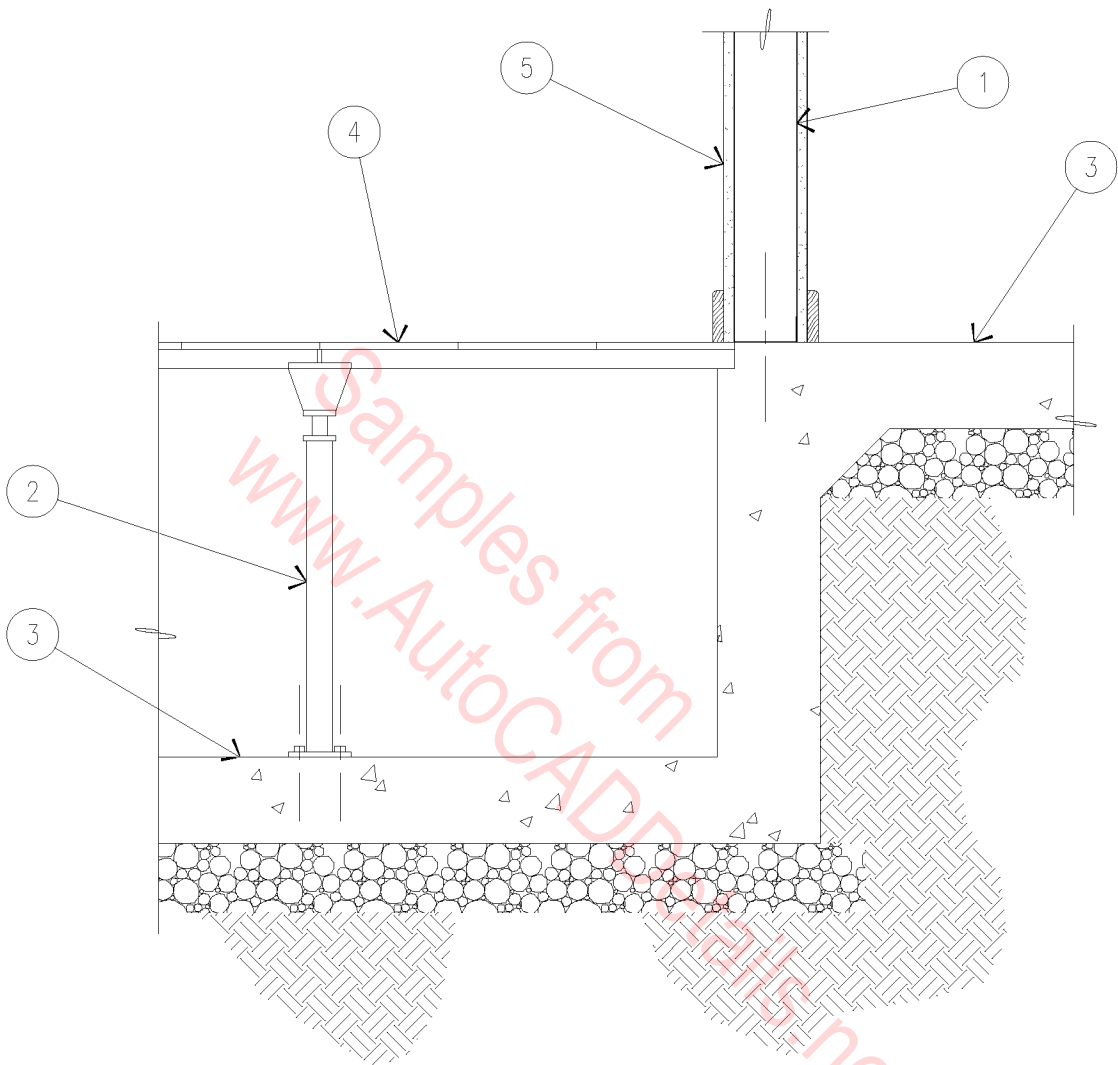
1. 6" MINIMUM CONCRETE SLAB - SEE PLAN.
2. 8DT24 PRECAST CONCRETE 'T'.
3. 'T' TO WALL CONNECTION BY PRECAST SUPPLIER.
4. 8" PRECAST WALL.

PRECAST
WALL TO BEAM

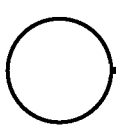


3/4" = 1'-0"

03A-4012



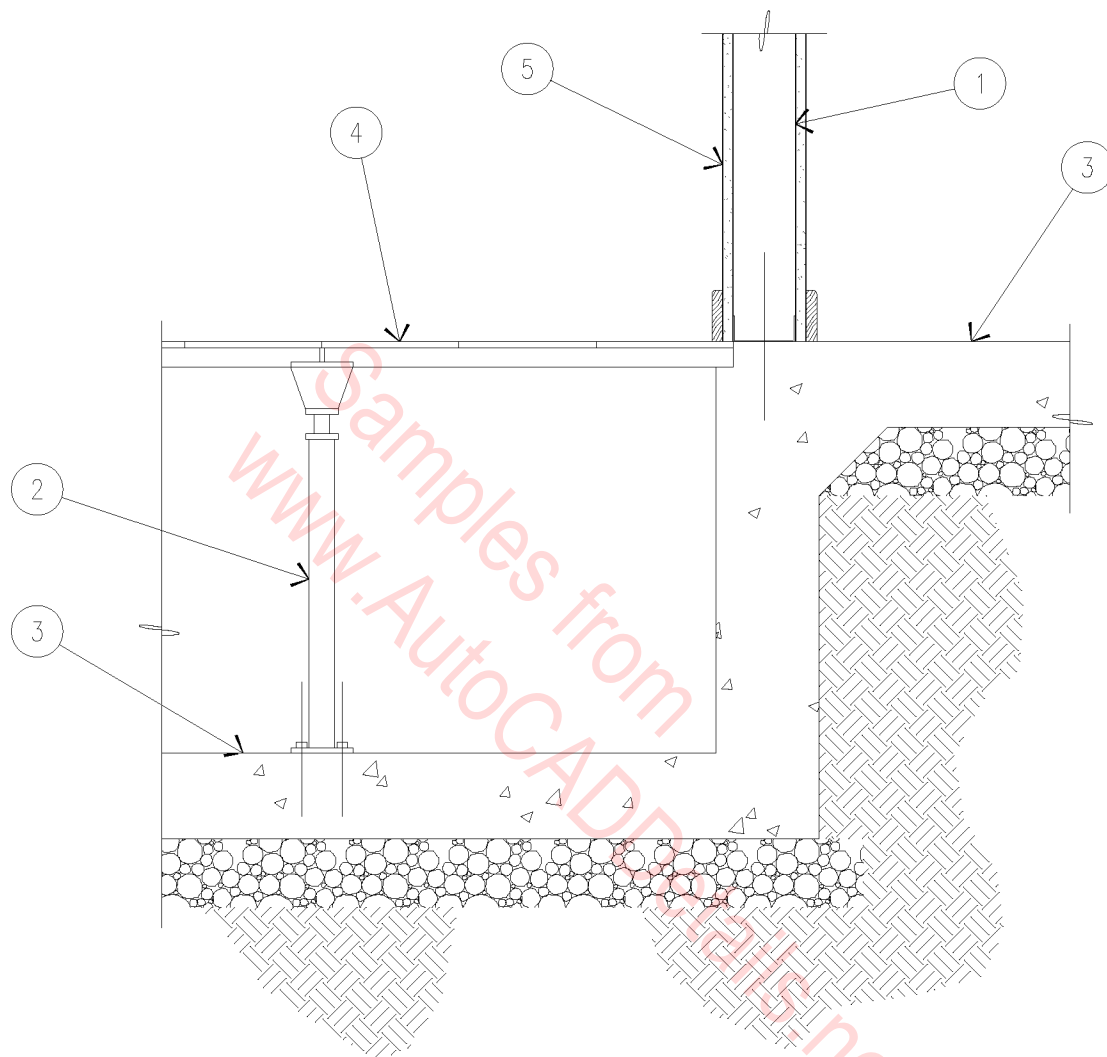
1. 3 5/8" METAL STUD WALL.
2. ACCESS FLOOR SUPPORT POST.
3. CONCRETE FLOOR SLAB.
4. ACCESS FLOOR.
5. 5/8" GYPSUM BOARD.



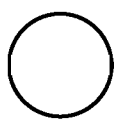
ACCESS FLOORING

1" = 1'-0"

03A-4013



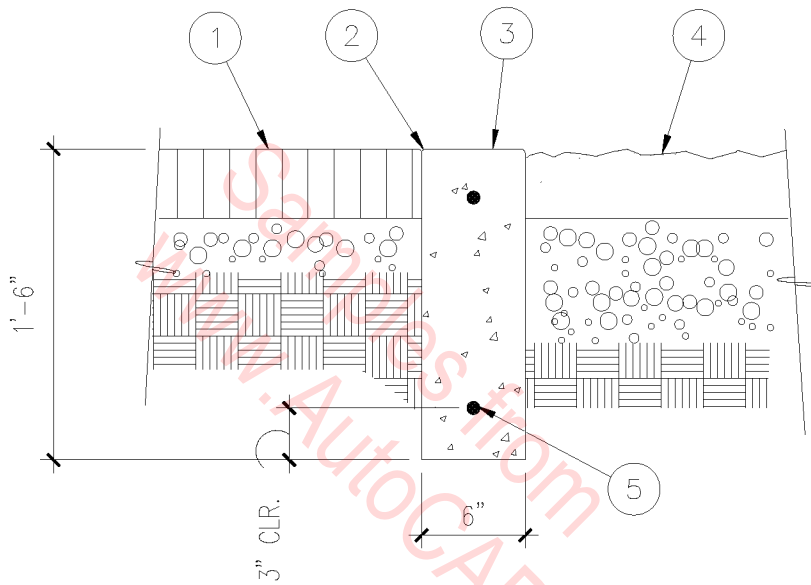
1. 3 5/8" METAL STUD WALL.
2. ACCESS FLOOR SUPPORT POST.
3. CONCRETE FLOOR SLAB.
4. ACCESS FLOOR.
5. 5/8" GYPSUM BOARD.



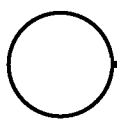
ACCESS FLOORING

1" = 1'-0"

03A-4013



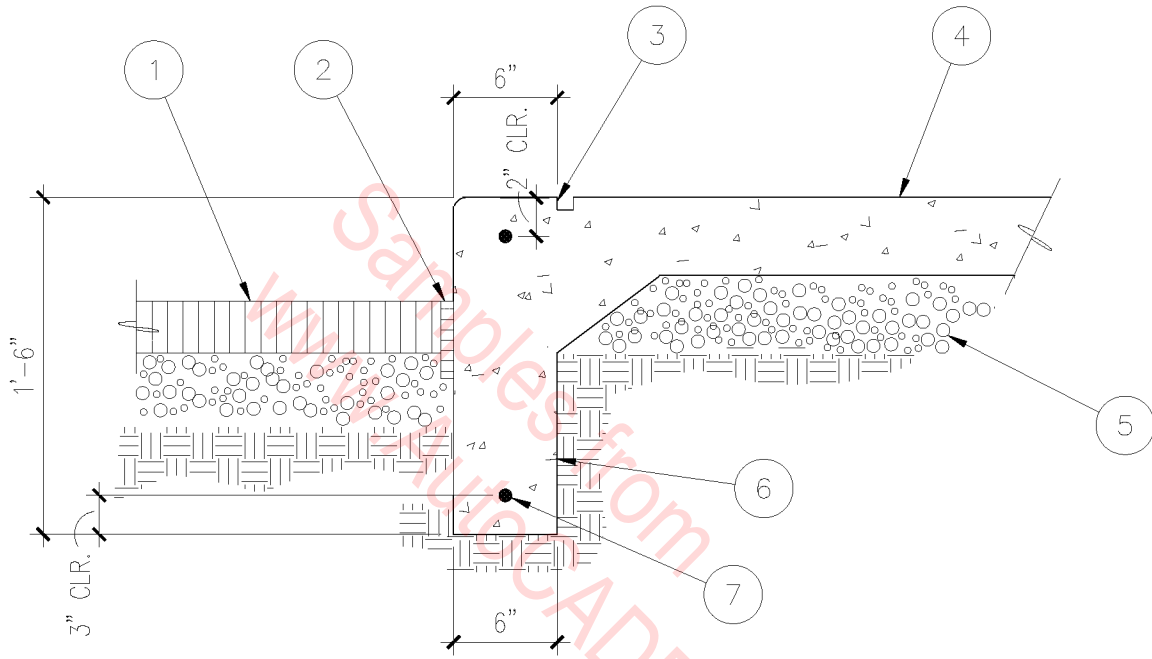
1. ASPHALTIC CONCRETE
OVER A.B.C.
2. 3/4" RADIUS.
3. CONCRETE CURB.
4. DECOMPOSED GRANITE
FIRE LANE.
5. (2) #4 REBARS
CONTINUOUS.



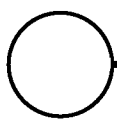
RIBBON CURB

SCALE: 1" = 1'-0"

03A-3001



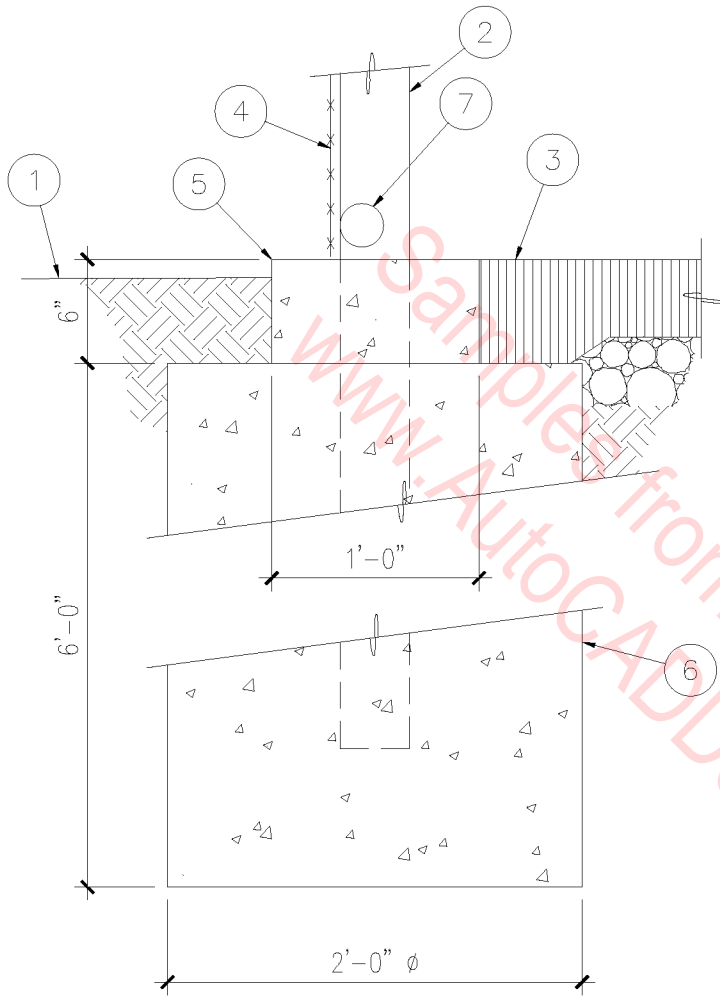
1. ASPHALTIC CONCRETE OVER AGGREGATE BASE COURSE.
2. 1/2" ASPHALTIC IMPREGNATED EXPANSION JOINT.
3. 1/2" TOOLED JOINT.
4. 4" CONCRETE SLAB.
5. AGGREGATE BASE COURSE.
6. CONCRETE STEM MIN. 3" INTO SUB BASE.
7. (2) #4 REBARS CONTINUOUS.



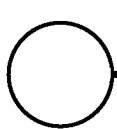
CONCRETE CURB

SCALE: 1" = 1'-0"

03A-3002



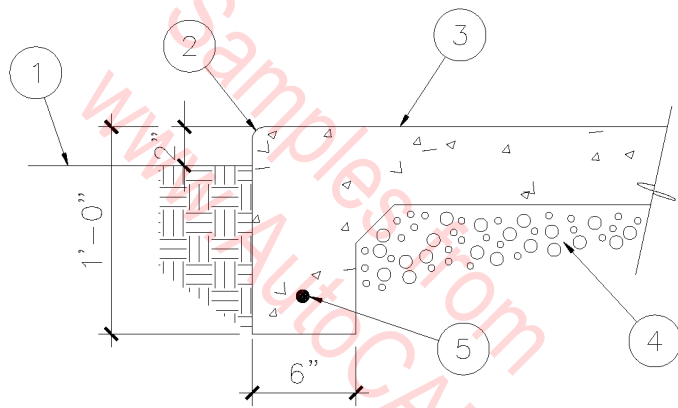
1. FINISH GRADE.
2. BACKSTOP POST.
3. ASPHALTIC CONCRETE ON PREPARED FILL.
4. WOVEN WIRE FABRIC TO TOP OF MOW STRIP.
5. CONTINUOUS CONCRETE MOW STRIP.
6. CONCRETE FOOTING BEYOND.
7. BOTTOM RAIL.



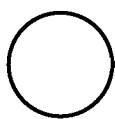
TURNDOWN @ BACKSTOP

1" = 1'-0"

03A-3003



1. FINISH GRADE.
2. TOOLED EDGE.
3. 4" CONCRETE SLAB.
4. 4" A.B.C.
5. #4 REBAR CONTINUOUS.

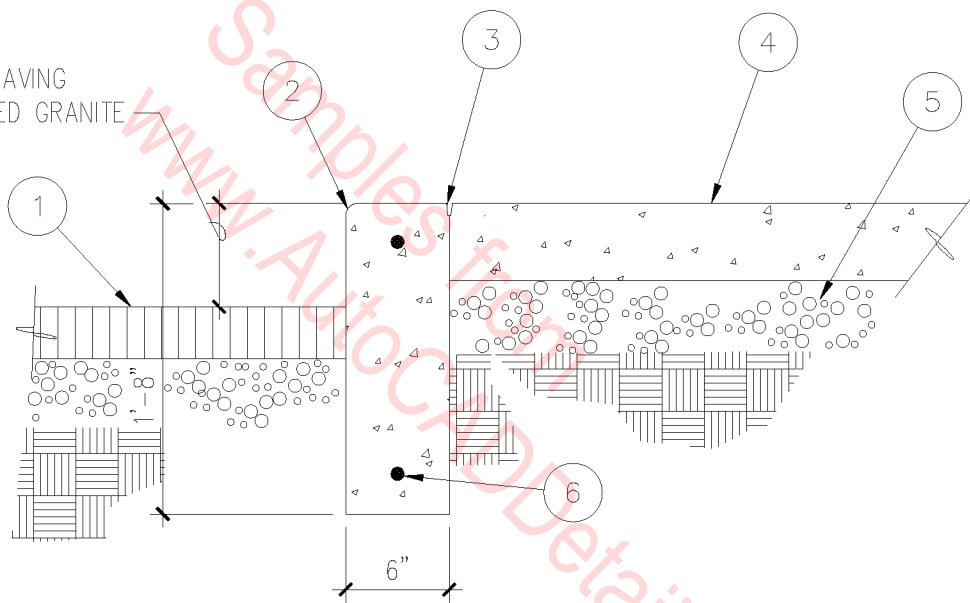


CONCRETE TURNDOWN

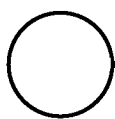
SCALE: 1" = 1'-0"

03A-3004

6" @ ASPHALT PAVING
 2" @ DECOMPOSED GRANITE



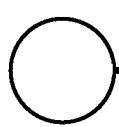
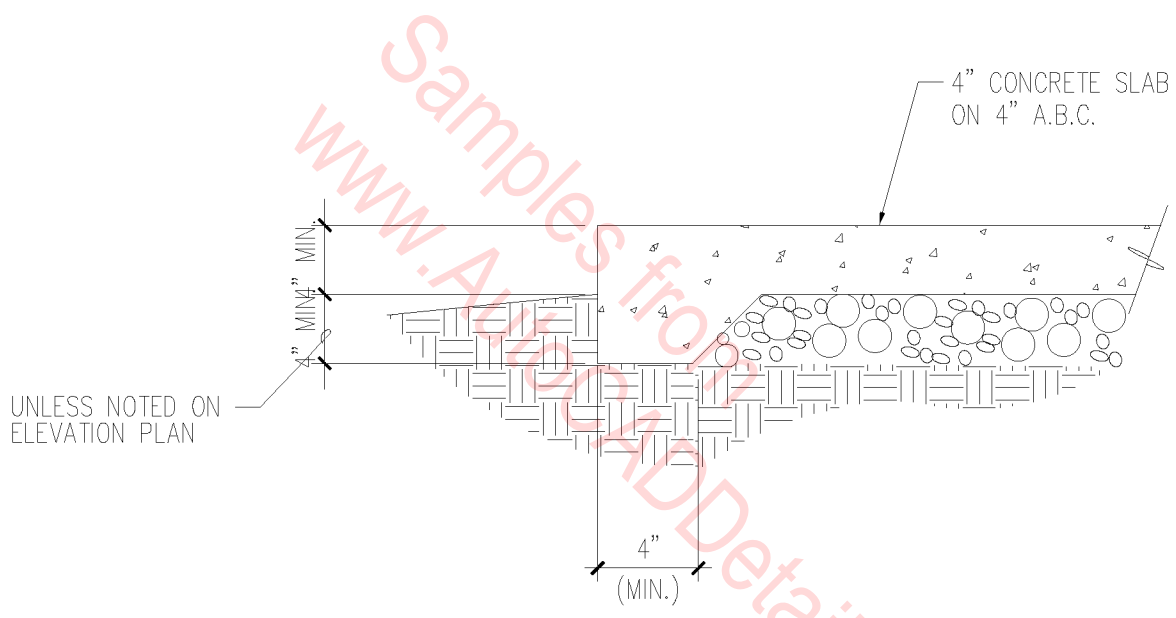
1. ASPHALT OR DECOMPOSED GRANITE ON AGGREGATE BASE COURSE.
2. RADIUS EDGE.
3. TOOLED JOINT.
4. CONCRETE SLAB ON A.B.C.
5. A.B.C.
6. (2) #4 REBARS CONTINUOUS.



SIDEWALK AT PAVING

SCALE: 1" = 1'-0"

03A-3005

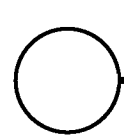
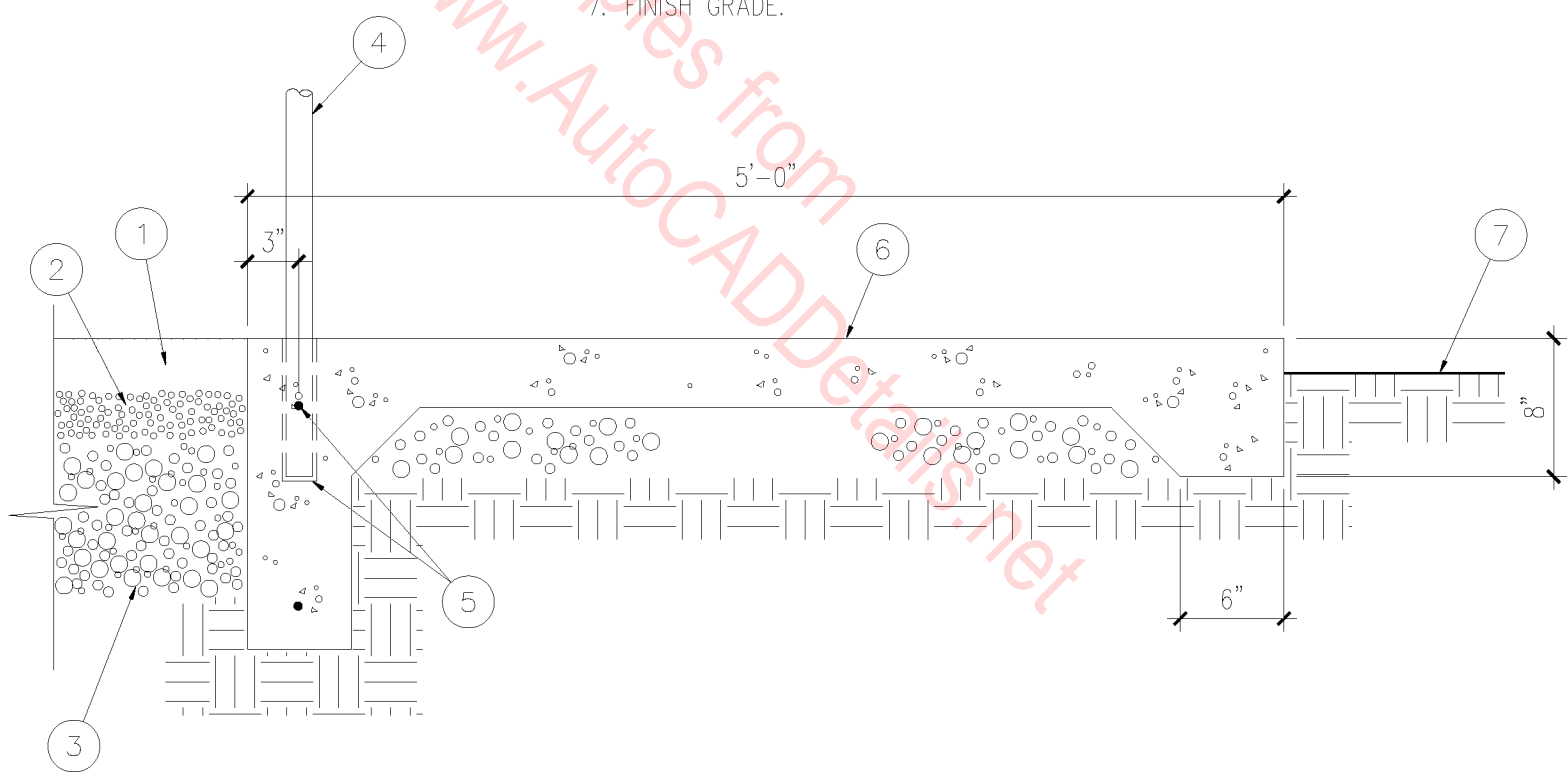


SLAB TURN DOWN

1" = 1'-0"

03A-3006

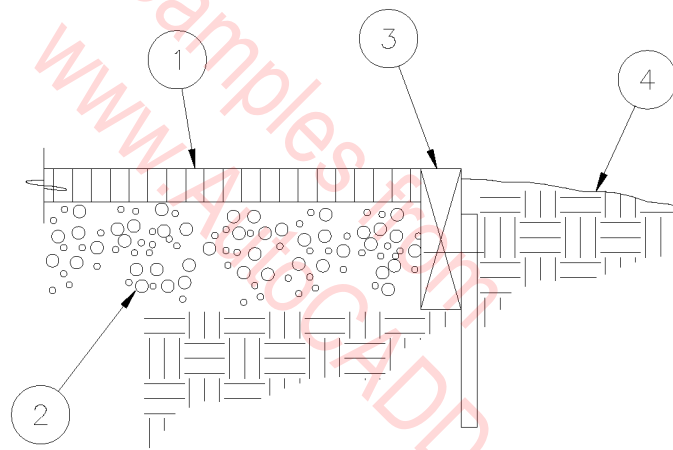
1. 3" DECOMPOSED GRANITE SURFACE COURSE.
2. 3" KEY COURSE.
3. 9" AGGREGATE BASE COURSE.
4. FENCE POST AT 10'-0" MAXIMUM SPACING.
5. PIPE SLEEVE FOR FENCE POSTS - OFFSET CONTINUOUS REBAR AROUND EACH SLEEVE.
6. CONCRETE SIDEWALK WITH 6" X 1'-6" DEEP TURNDOWN AT TRACK SIDE AND 6" X 8" THICKENED EDGE AT LAWN SIDE OVER 4" AGGREGATE BASE COURSE.
7. FINISH GRADE.



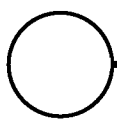
TRACK AT SIDEWALK

SCALE: 1" = 1'-0"

03A-3007



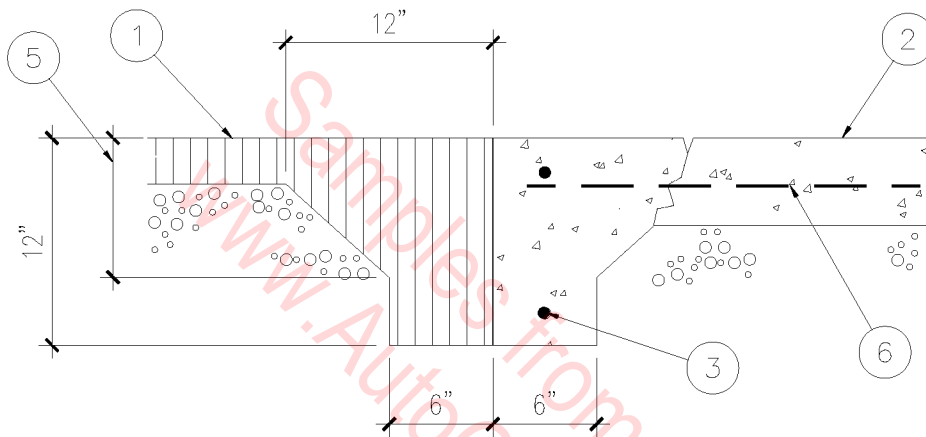
1. 2" ASPHALTIC CONCRETE.
2. 6" A.B.C.
3. 2 X 6 REDWOOD HEADER.
4. FINISH GRADE.



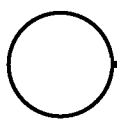
ASPHALT SIDEWALK

1" = 1'-0"

03A-3008



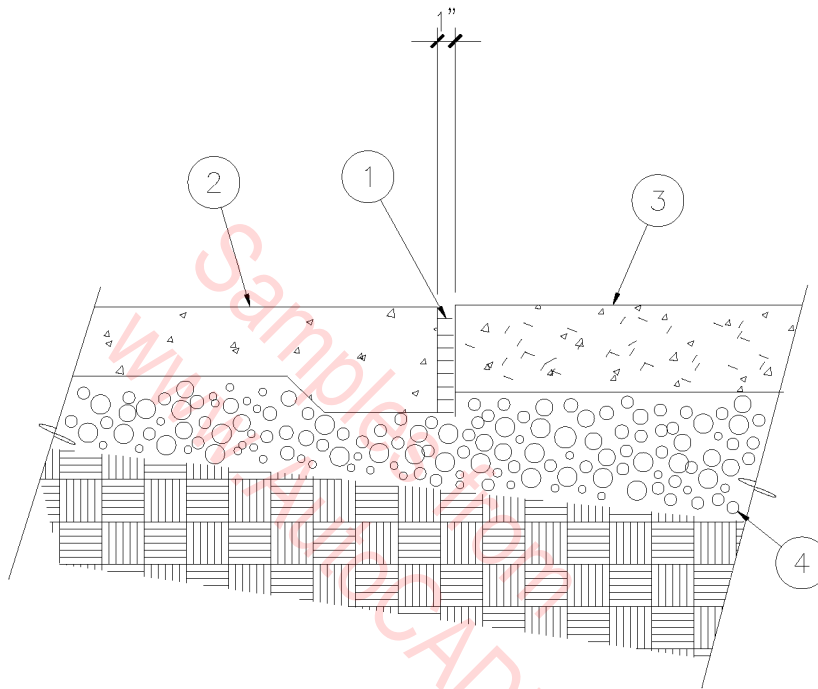
1. ASPHALT PAVING ON A.B.C.
2. CONCRETE SLAB ON A.B.C.
3. 2 #4 REBARS CONTINUOUS.
4. REINFORCING.
5. 6" MIN - DEPTH OF PAVING & BASE.
6. #3 HORIZONTAL REBARS X 24" LONG @ 18" O.C.



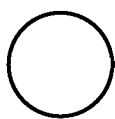
CONC./ASPHALT TURNDOWN

SCALE: 1" = 1'-0"

03A-3009



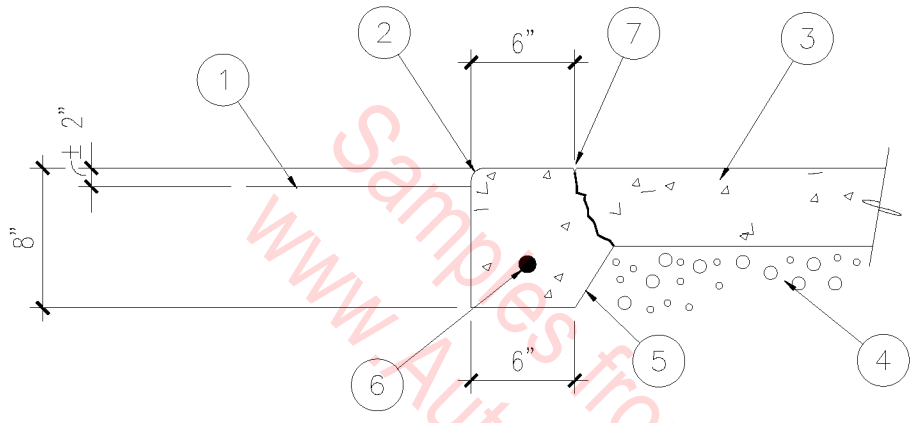
1. 1" EXPANSION JOINT.
2. CONCRETE SLAB.
3. CONCRETE SLAB WITH SYNTHETIC REINFORCING FIBERS.
4. A.B.C. FILL.



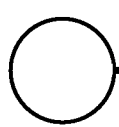
EXPANSION JOINT

SCALE: 1" = 1'-0"

03A-3010



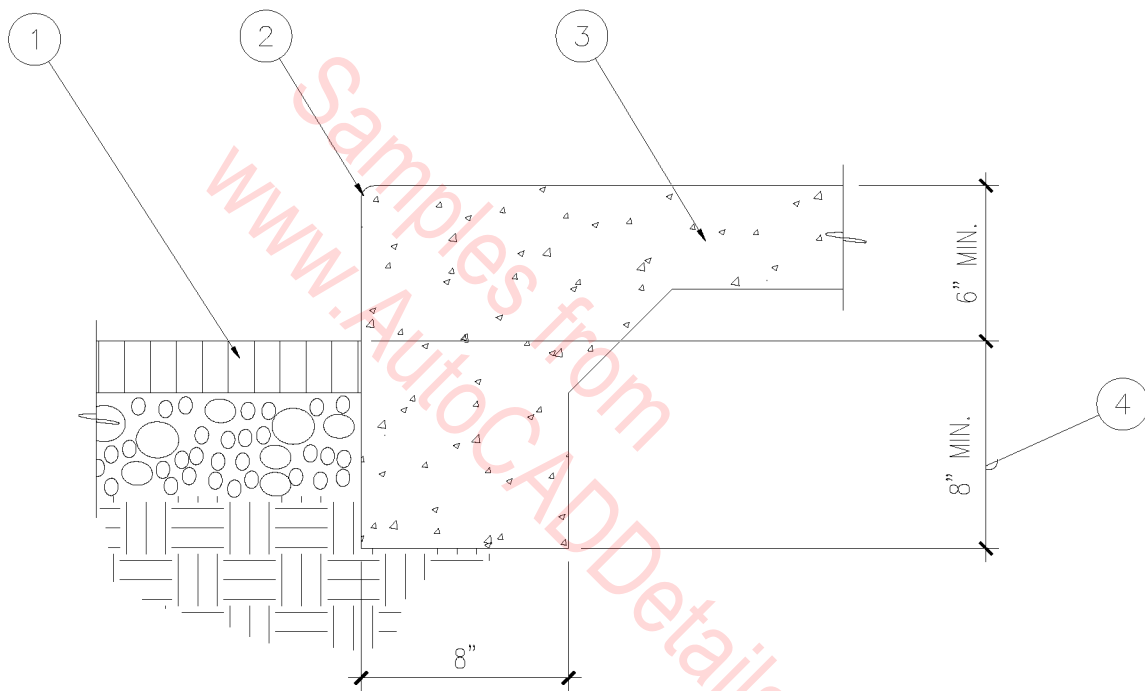
- 1. FINISH GRADE.
- 2. 3/4" RADIUS EDGE.
- 3. 4" CONCRETE SLAB.
- 4. 4" A.B.C.
- 5. CONCRETE TURNDOWN AT SLAB EDGE.
- 6. #4 REBAR CONTINUOUS.
- 7. TOOLED JOINT.



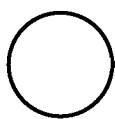
CONCRETE TURNDOWN

SCALE: 1" = 1'-0"

03A-3011



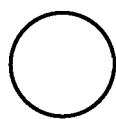
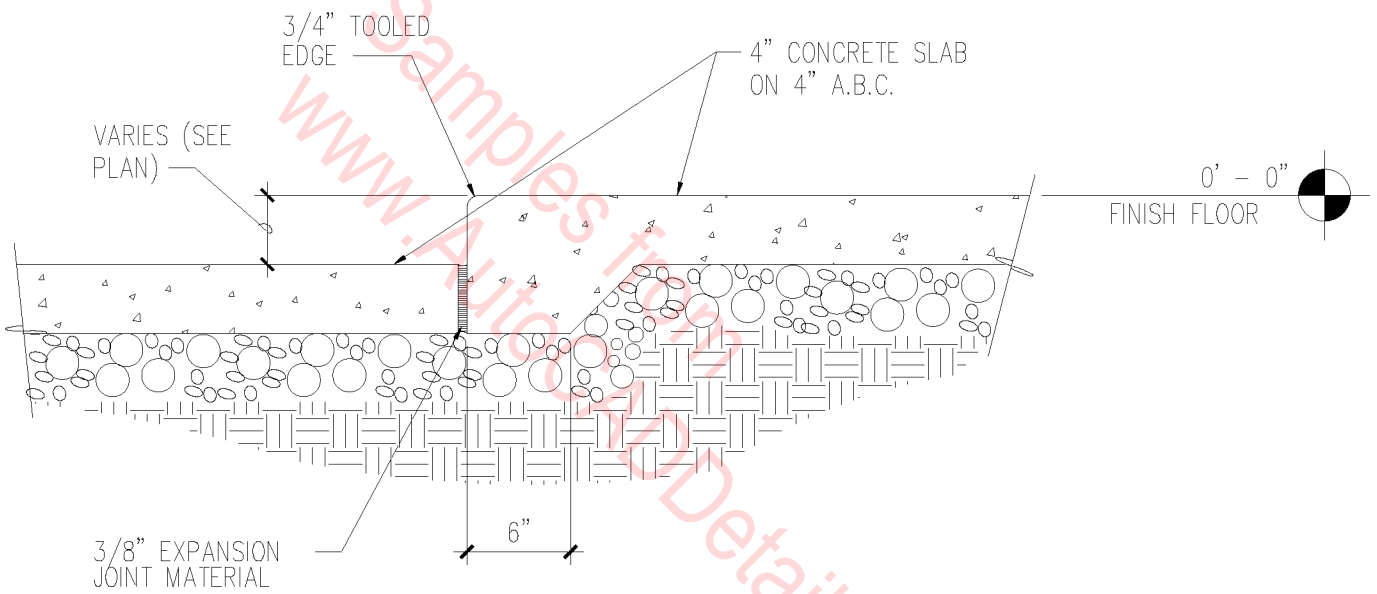
1. ASPHALTIC CONCRETE.
2. 1/2" RADIUS.
3. 4" CONCRETE SLAB.
4. TO FINISHED GRADE OR ASPHALTIC CONCRETE.



TURNDOWN AT SIDEWALK

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

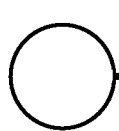
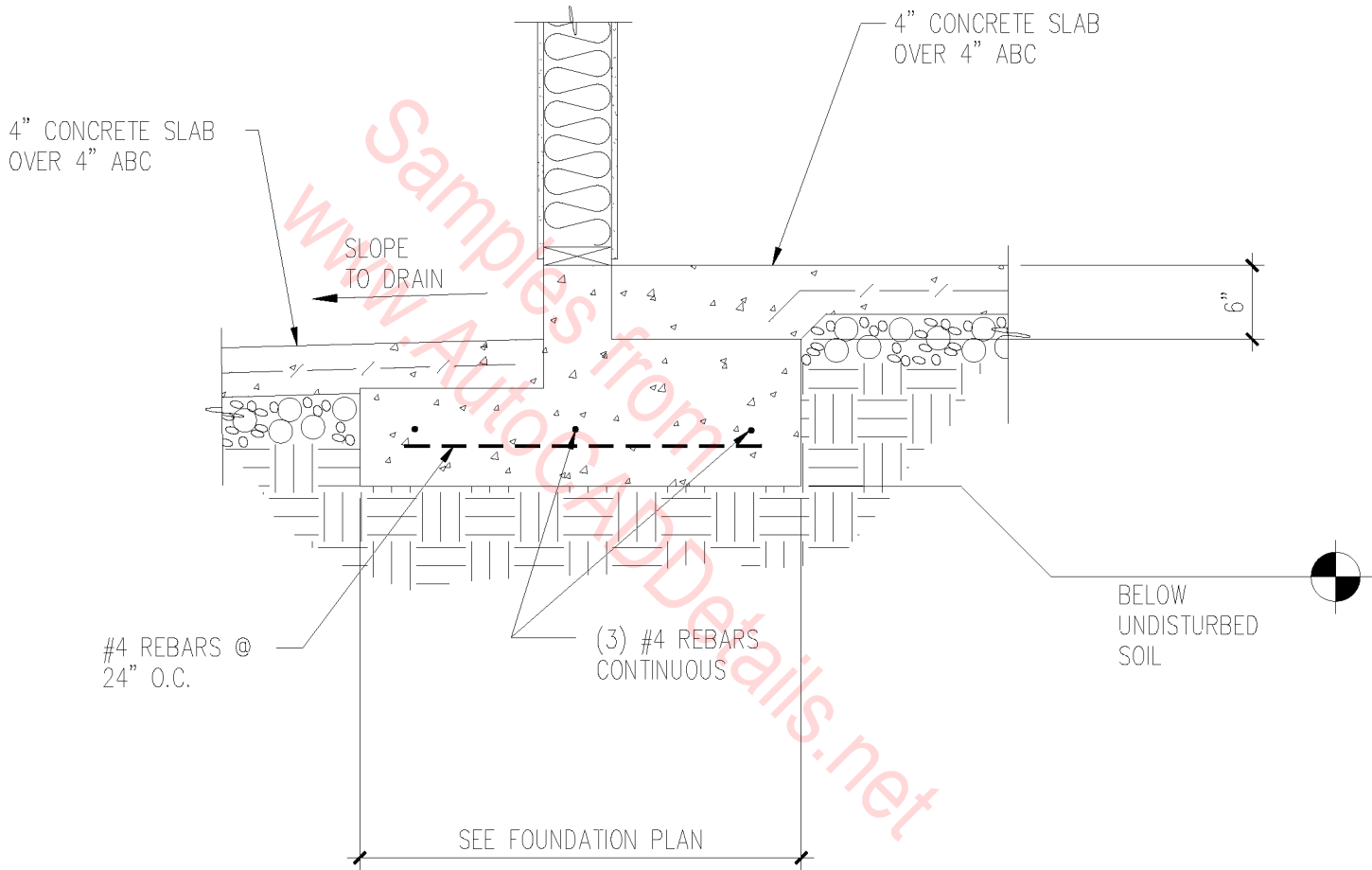
03A-3012



TYPICAL STEP DOWN

1" = 1'-0"

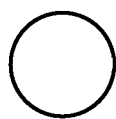
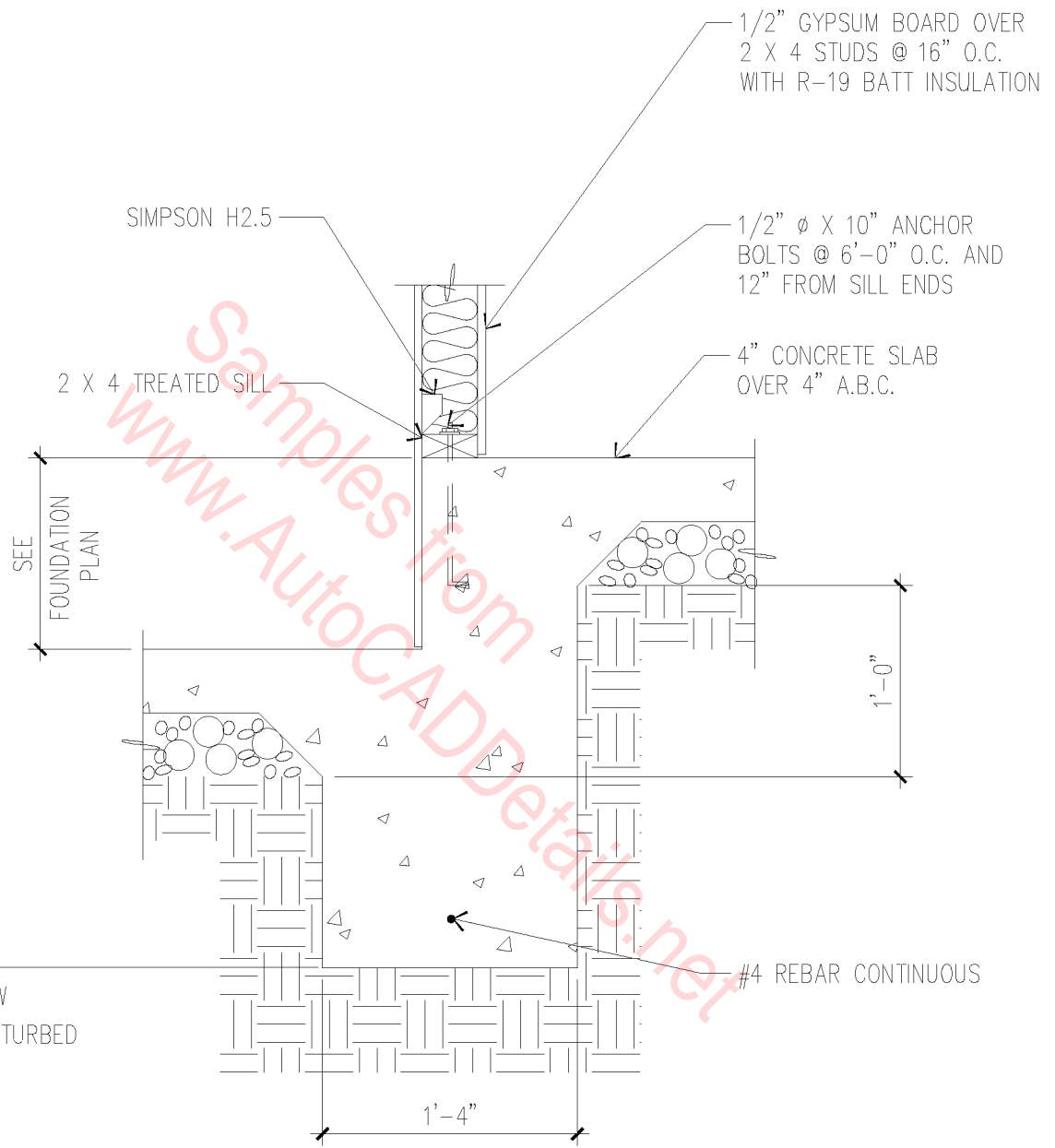
03A-3013



STEPPED INT. FOOTING

3/4" = 1'-0"

03A-3014



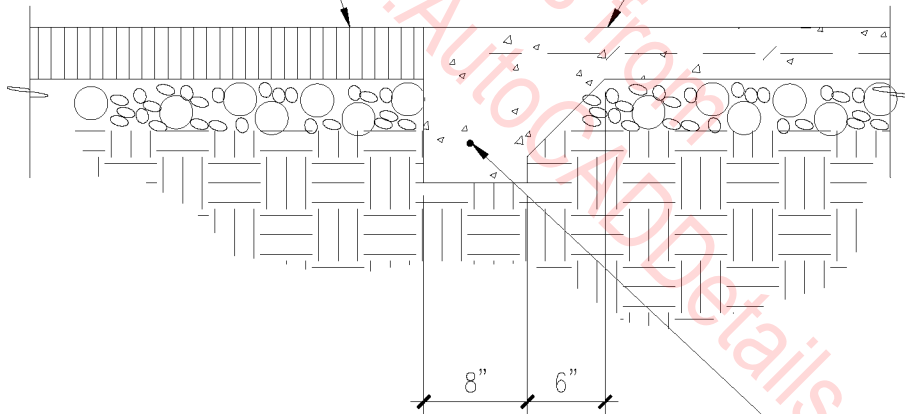
INTERIOR FOOTING

1" = 1'-0"

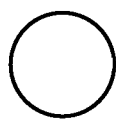
03A-3015

4" ASPHALTIC
PAVING OVER
4" ABC

4" CONCRETE SLAB
OVER 4" ABC -
REINFORCE PER
FOUNDATION PLAN



(1) #4 REBAR
CONTINUOUS



TURN DOWN @ DRIVEWAY

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

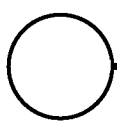
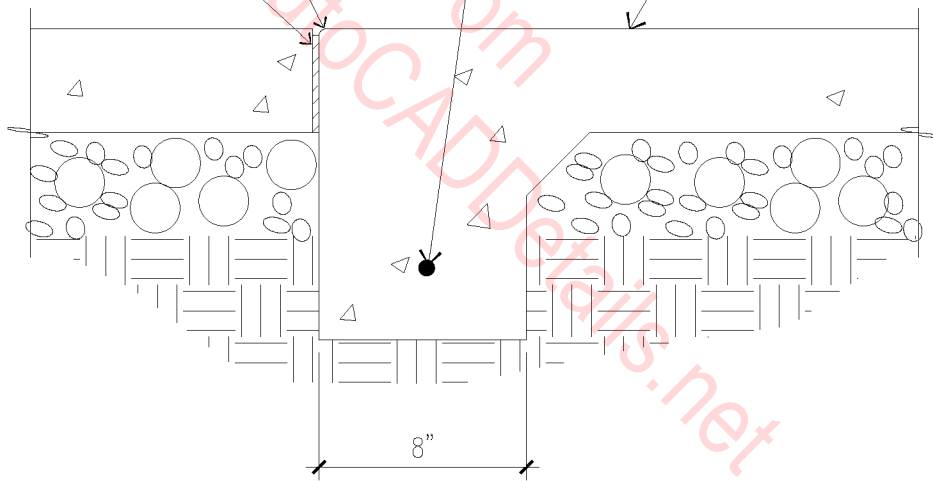
03A-3016

3/4" TOOLED
EDGE

1/2" EXPANSION
JOINT

#4 REBAR, CONTINUOUS

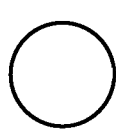
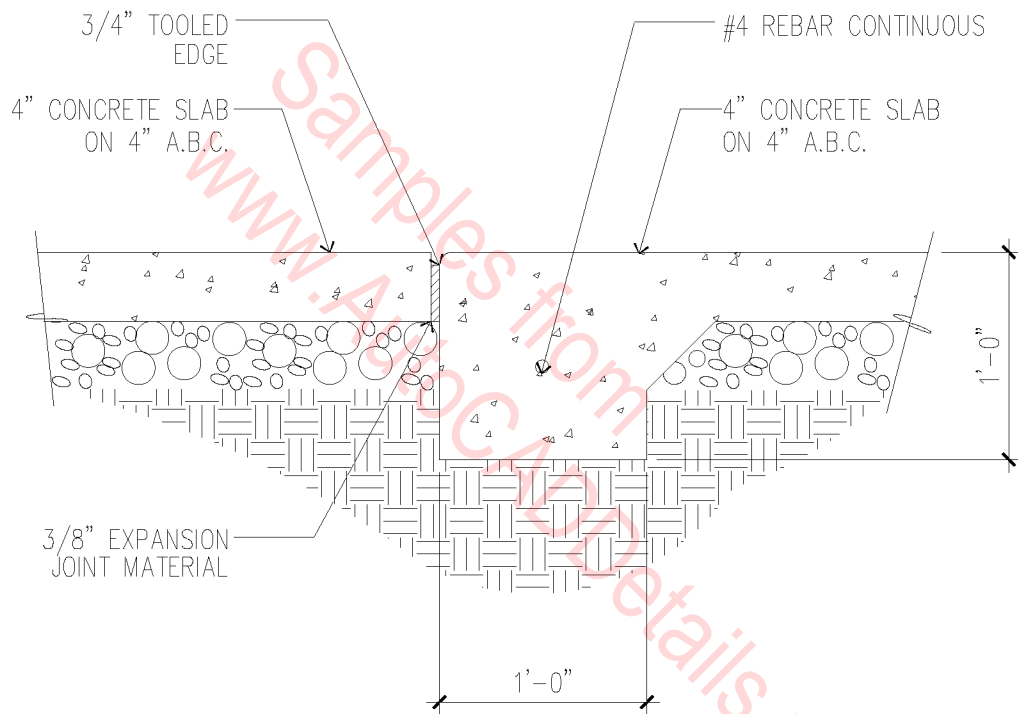
4" CONCRETE SLAB
OVER 4" A.B.C.



TURNED DOWN SLAB

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

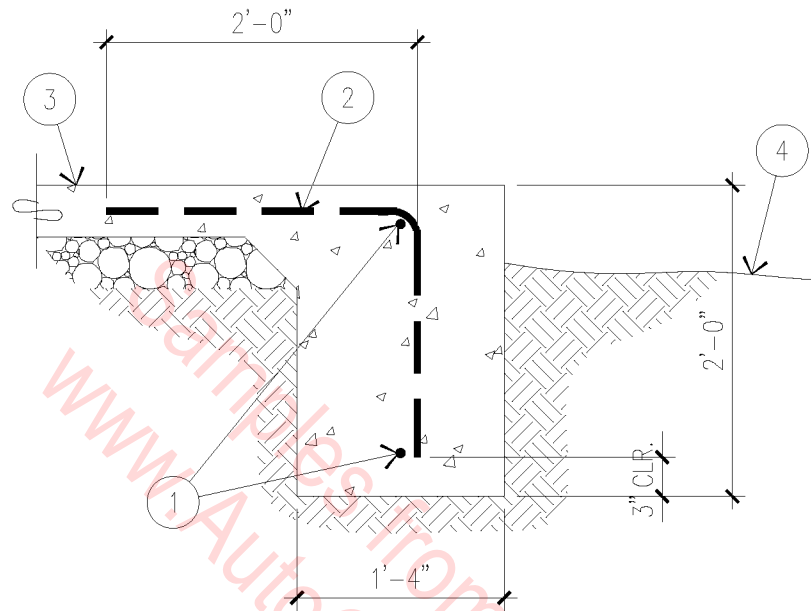
03A-3017



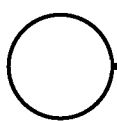
TURN DOWN @ GARAGE

1" = 1'-0"

03A-3018



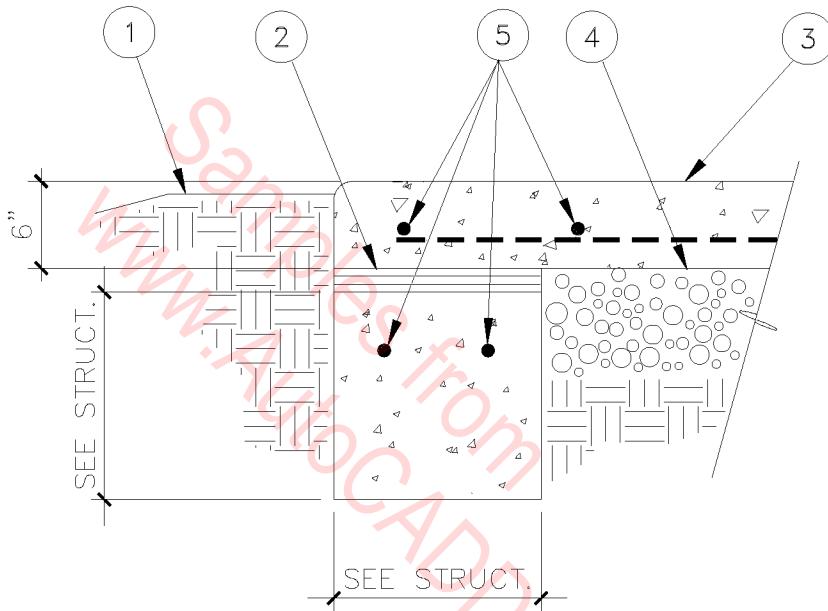
1. (1) #4 REBAR, CONTINUOUS, TOP AND BOTTOM.
2. #4 REBARS @ 18" O.C.
3. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
4. FINISHED GRADE.



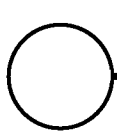
MONOLITHIC FOOTING

3/4" = 1'-0"

03A-3019



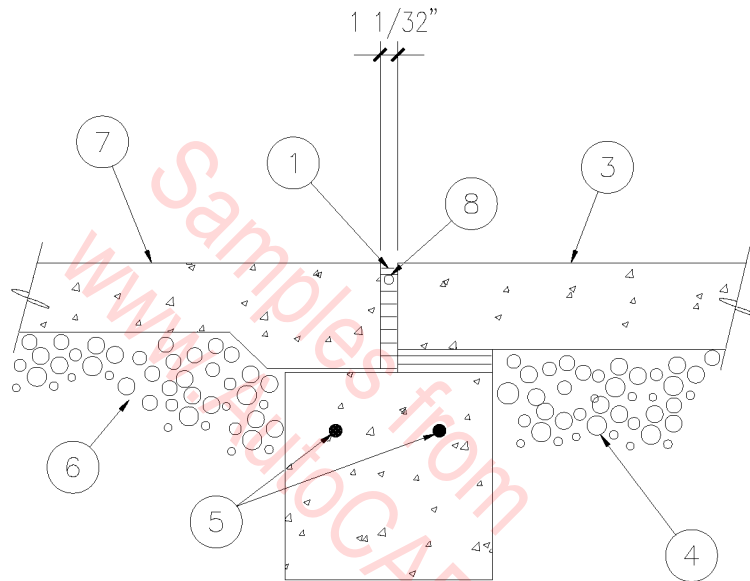
1. FINISH GRADE.
2. TWO LAYERS 15# FELT.
3. 6" CONCRETE SLAB W/ #3 REBARS.
AT 12" O.C. EACH WAY.
4. 4" MIN. PREPARED FILL.
5. (4) #4 REBARS CONTINUOUS.



SIDEWALK @ GRADE BEAM

1" = 1'-0"

03A-2001

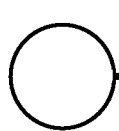
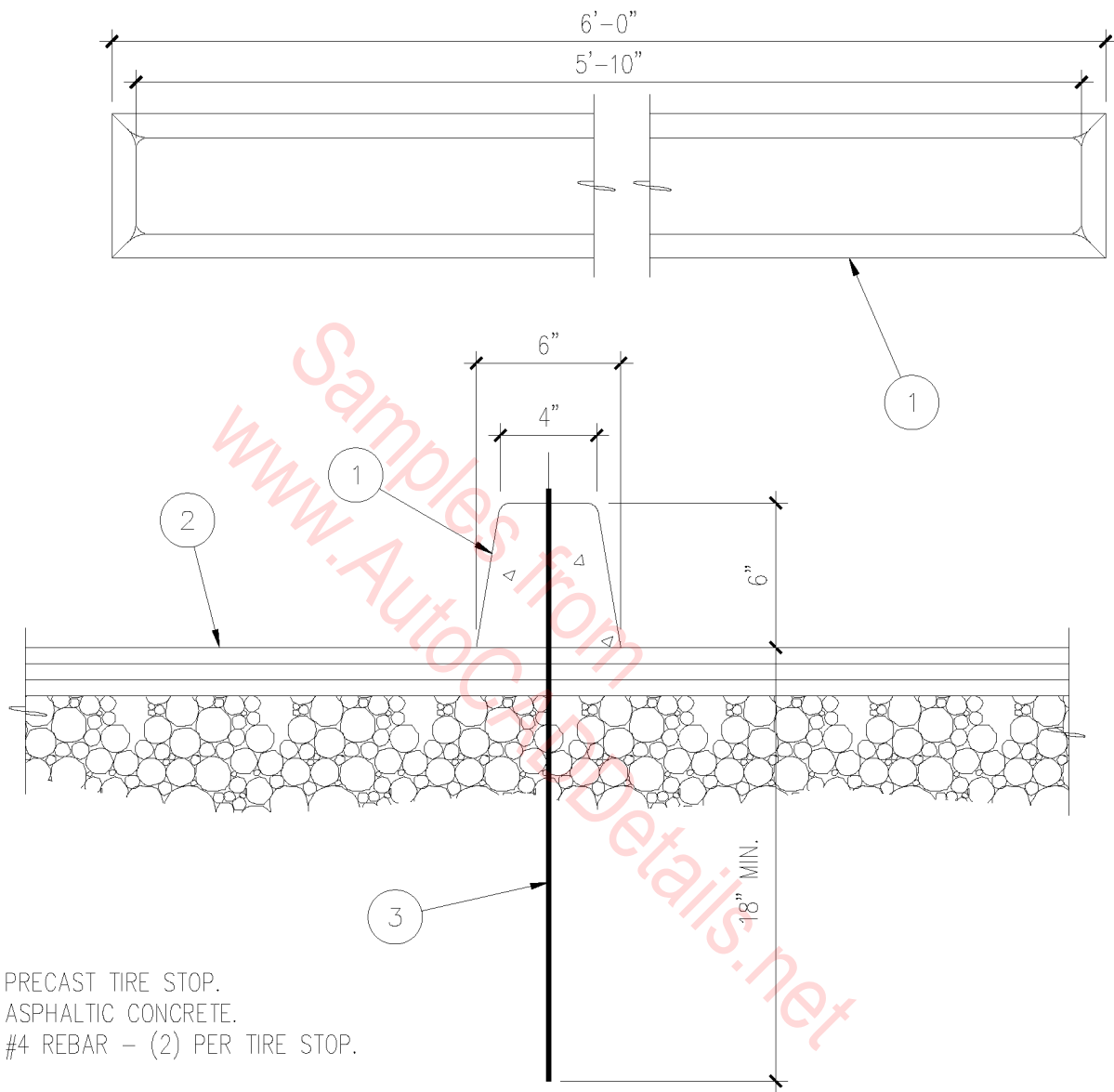


- | | |
|-------------------------|---------------------------------|
| 1. 1" EXPANSION JOINT. | 5. (2) #4 REBARS CONTINUOUS. |
| 2. TWO LAYERS 15# FELT. | 6. A.B.C. |
| 3. 6" CONCRETE SLAB. | 7. CONCRETE SLAB. |
| 4. PREPARED FILL. | 8. BACKER ROD & CAULKING |
| | 9. GRADE BEAM - SEE STRUCTURAL. |

EXPANSION JOINT @ GRADE BEAM

SCALE: 1" = 1'-0"

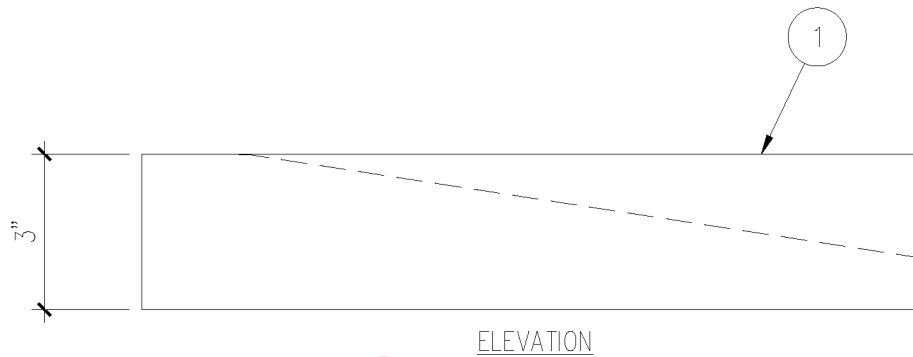
03A-2002



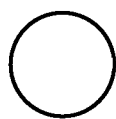
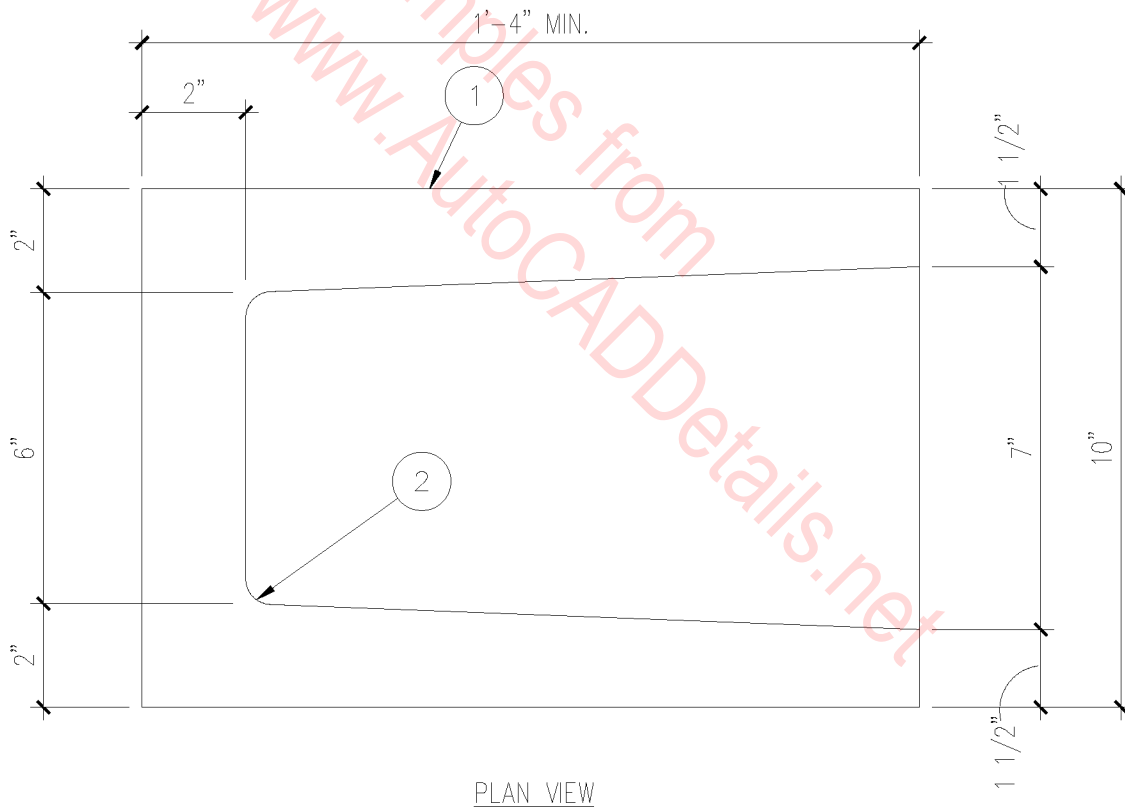
PRECAST TIRE STOP

1 1/2" = 1'-0"

03C-1001



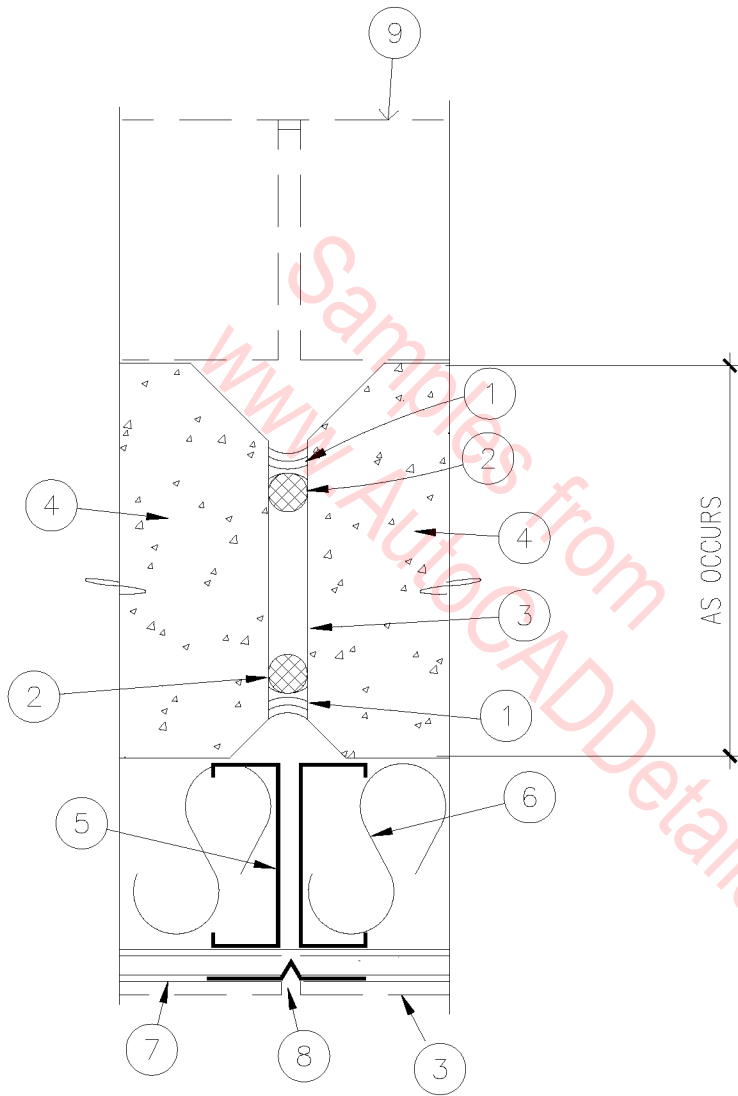
1. PRECAST CONCRETE.
2. 1" RADIUS ALL EDGES.



PRECAST SPLASH BLOCK

3" = 1'-0"

03C-1002

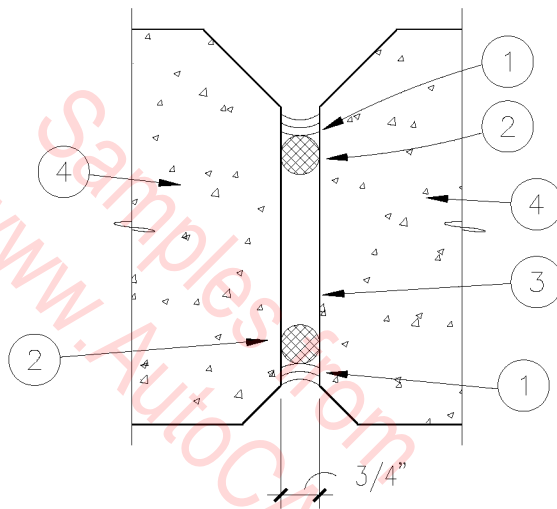


1. SEALANT.
2. BACKER ROD.
3. CERAMIC WALL TILE ON GLASS MESH MORTAR UNIT IN LIEU OF GYPSUM BOARD.
4. CONCRETE WALL.
5. METAL STUDS.
6. R-11 BATT INSULATION AT EXTERIOR WALL.
7. 5/8" GYPSUM WALLBOARD.
8. METAL CONTROL JOINT AT GYP. BD., SEALANT AT CERAMIC TILE.
9. LINE OF WALL FURRED WITH METAL STUDS AND GYPSUM BOARD.

CONTROL JOINT AT FURRED PRECAST WALL

SCALE: 3" = 1'-0"

03C-1003

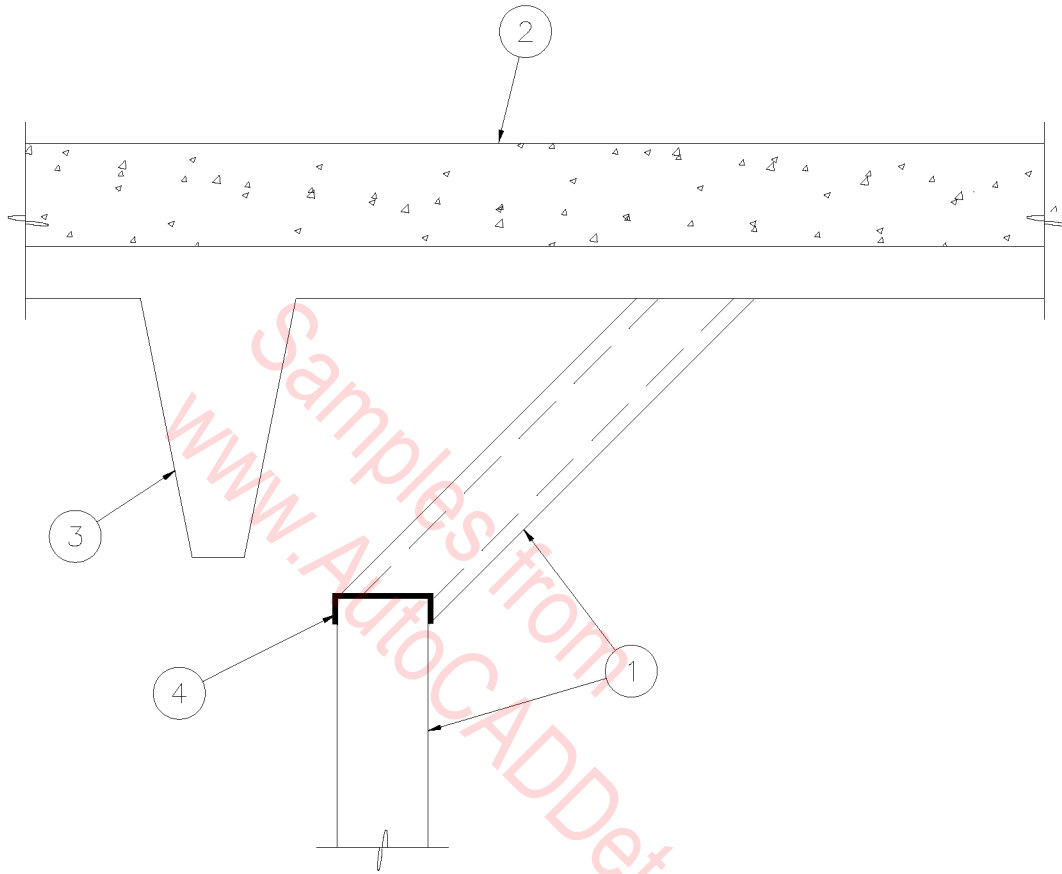


1. SEALANT.
2. BACKER ROD.
3. AIR SPACE.
4. CONCRETE WALL.

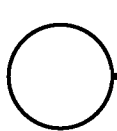
CONTROL JOINT @ PRECAST WALL

3" = 1'-0"

03C-1004



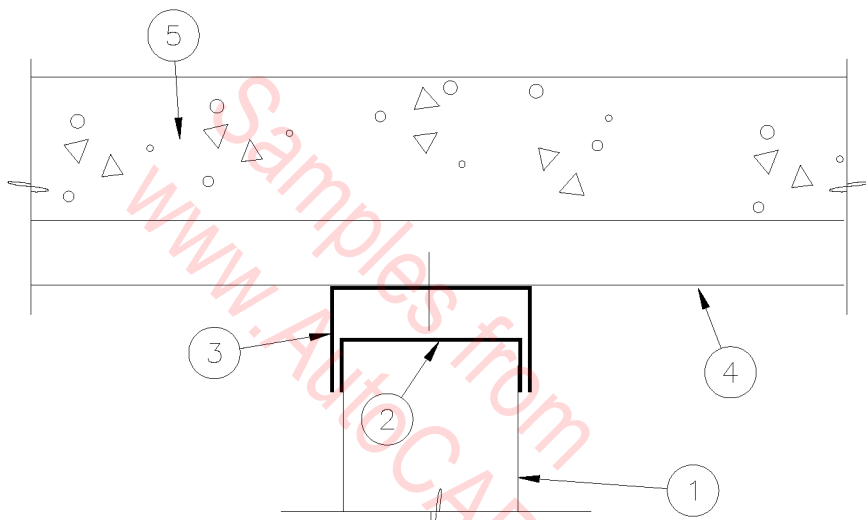
1. METAL STUD BRACE @ 48" O.C.
2. CONCRETE TOPPING.
3. STRUCTURAL CONCRETE DOUBLE TEES.
4. METAL RUNNER.



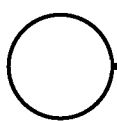
WALL @ CONCRETE TEE

1" = 1'-0"

03C-1005



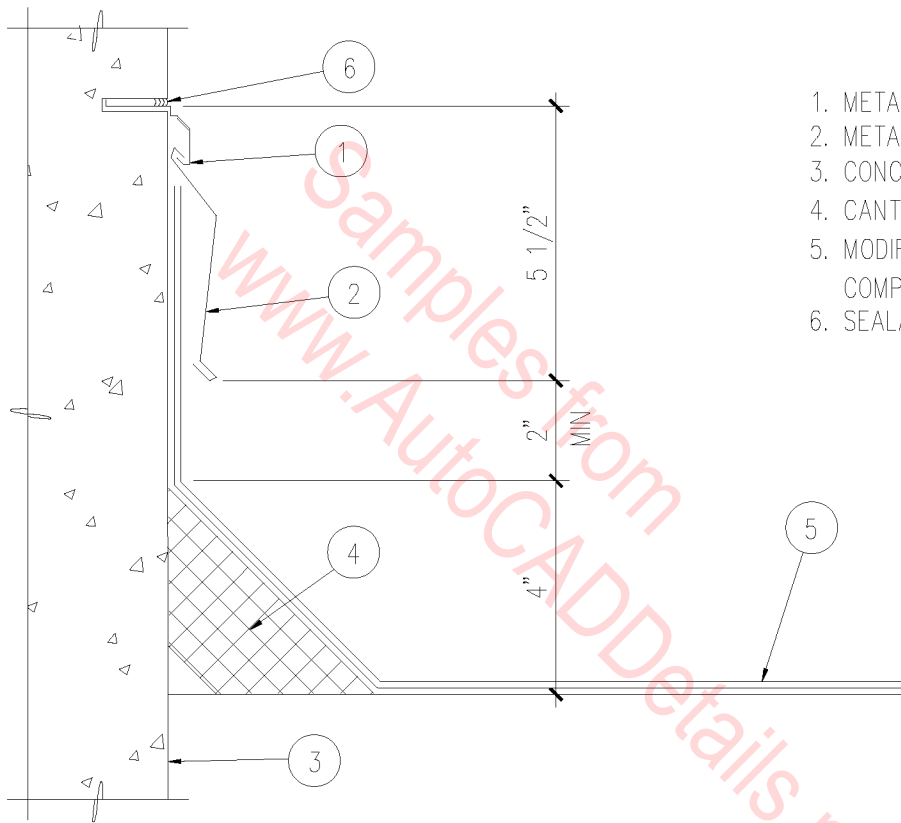
1. METAL STUDS AT 48" O.C.
WALL SUPPORTS.
2. METAL STUD TOP TRACK.
3. METAL RUNNER WITH 2" LEG.
4. CONC. DOUBLE TEE.
5. CONC. FLOOR SLAB.



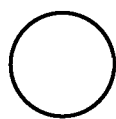
WALL TOP TRACK

SCALE: 1" = 1'-0"

03C-1006



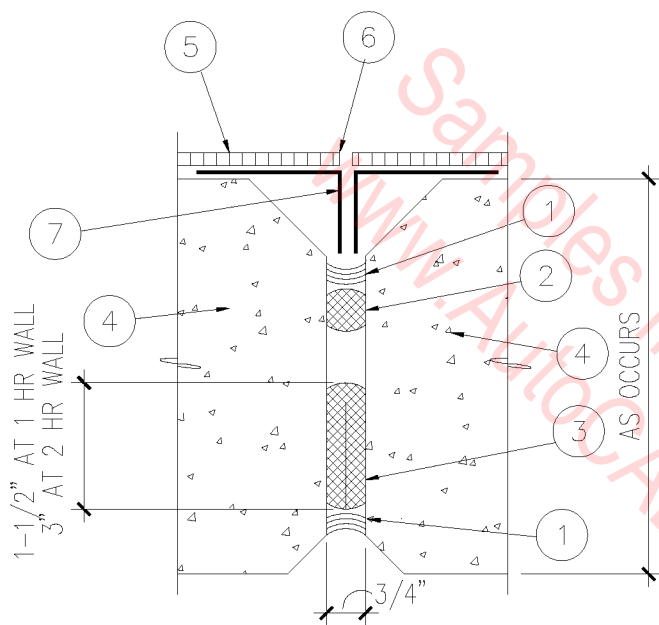
1. METAL REGLET, SAW CUT GROOVE.
2. METAL COUNTER FLASHING.
3. CONCRETE WALL.
4. CANT STRIP.
5. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
6. SEALANT.



REGLET AT C.I.P. WALL

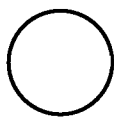
SCALE: 3" = 1'-0"

03C-1007



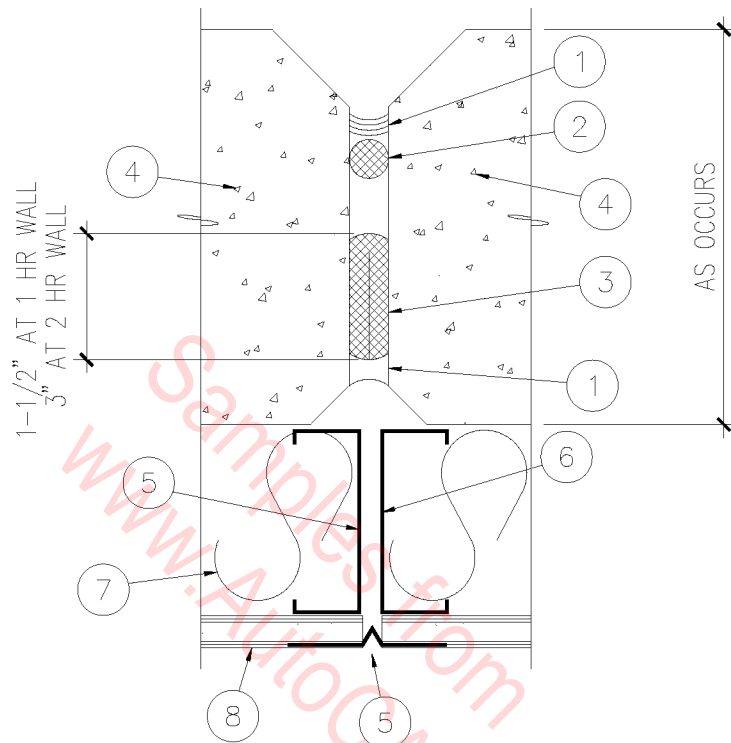
1. FIRE STOPPING SEALANT, 'TREMCO' DYMETRIC, POLYTREMIDYNE TERPOLYMER.
2. JOINT FILLER - POLYETHYLENE CLOSED-CELL FOAM, BY 'DOW CHEMICAL'.
3. 'CERABLANKET-FS' - CERAMIC FIBER BLANKET INSULATION, BY 'JOHNS-MANVILLE'.
4. CONCRETE WALL.
5. CERAMIC TILE ON THIN SET CEMENT MORTAR.
6. SEALANT.
7. METAL LATH CORNER ICBO EVALUATION REPORT NO. 3198.

CONTROL JOINT @ TILT UP WALL

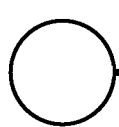


3" = 1'-0"

03C-1008



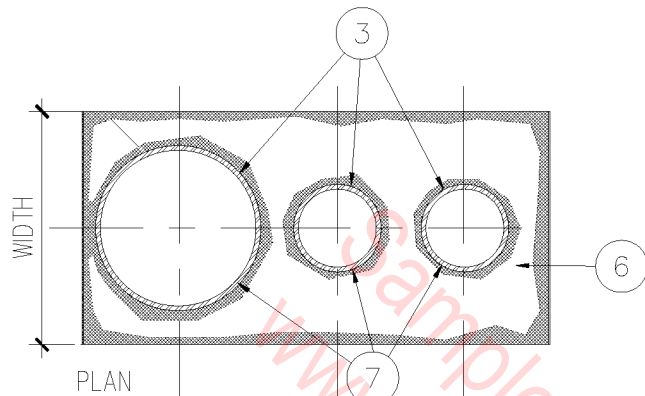
1. FIRE STOPPING SEALANT, 'TREMCO' DYMETRIC, POLYTREMDYNE TERPOLYMER.
2. JOINT FILLER - POLYETHYLENE CLOSED-CELL FOAM, BY 'DOW CHEMICAL'.
3. 'CERABLANKET-FS' - CERAMIC FIBER BLANKET INSULATION, BY 'JOHNS-MANVILLE'.
4. CONCRETE WALL.
5. METAL CONTROL JOINT.
6. METAL STUDS.
7. R-11 BATT INSULATION.
8. 5/8" GYPSUM BOARD.



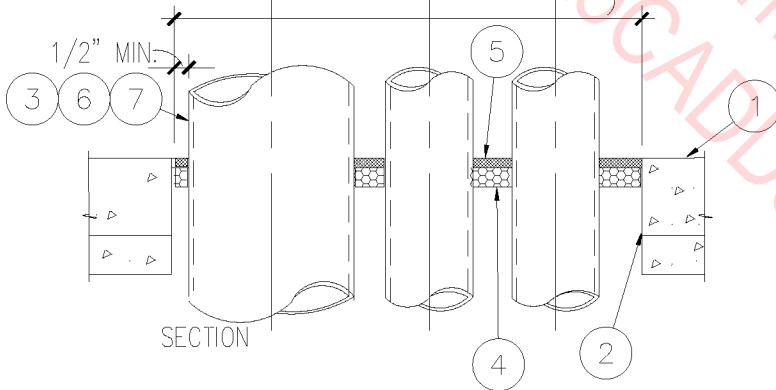
RATED CONTROL JOINT

SCALE: 3" = 1'-0"

03C-1009

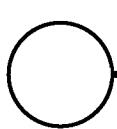


LENGTH = 24" MAX. X WIDTH = 288 SQ INCHES MAX.



1. PRECAST CONCRETE DOUBLE TEE WITH 4" CONCRETE TOPPING
2 HOUR RATED, UL DESIGN NO. J941.
2. FORM SMOOTH OPENING THRU FLOOR WITH CONCRETE TOPPING.
3. 8" DIA STEEL PIPE, SCHEDULE 40, OR SMALLER.
4. FORMING MATERIAL.
5. 1/2" MIN 'TREMCO' FYRE-SHIELD SEALANT.
6. A MAXIMUM OF THREE PENETRATING ITEMS MAY BE INSTALLED WITHIN THE OPENING. OF THE THREE PENETRATING ITEMS, ONLY ONE OF THE PIPES CAN HAVE A DIAMETER GREATER THAN 4".
7. 4" DIA COPPER PIPE OR SMALLER.

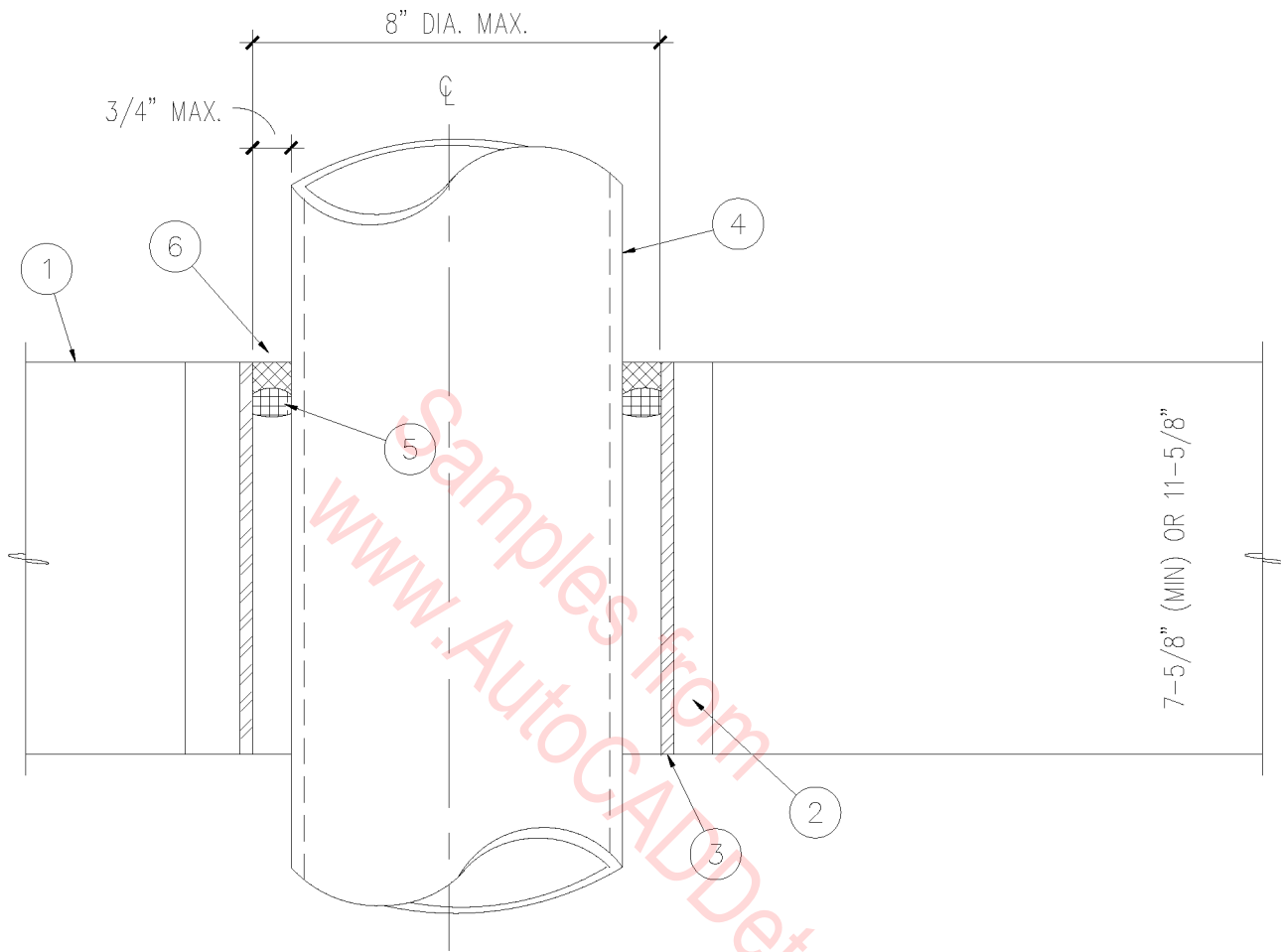
ASTM-E814 (UL 1479) AND
UL THROUGH-PENETRATION FIRESTOP SYSTEMS (XHEZ) SYSTEM NO. 326



2 HR PIPE PENETRATION

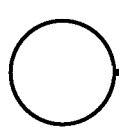
SCALE: 1" = 1'-0"

03C-1010



ASTM-E814 (UL 1479) AND
 UL THROUGH-PENETRATION FIRESTOP SYSTEMS (XHEZ) SYSTEM NO. 208

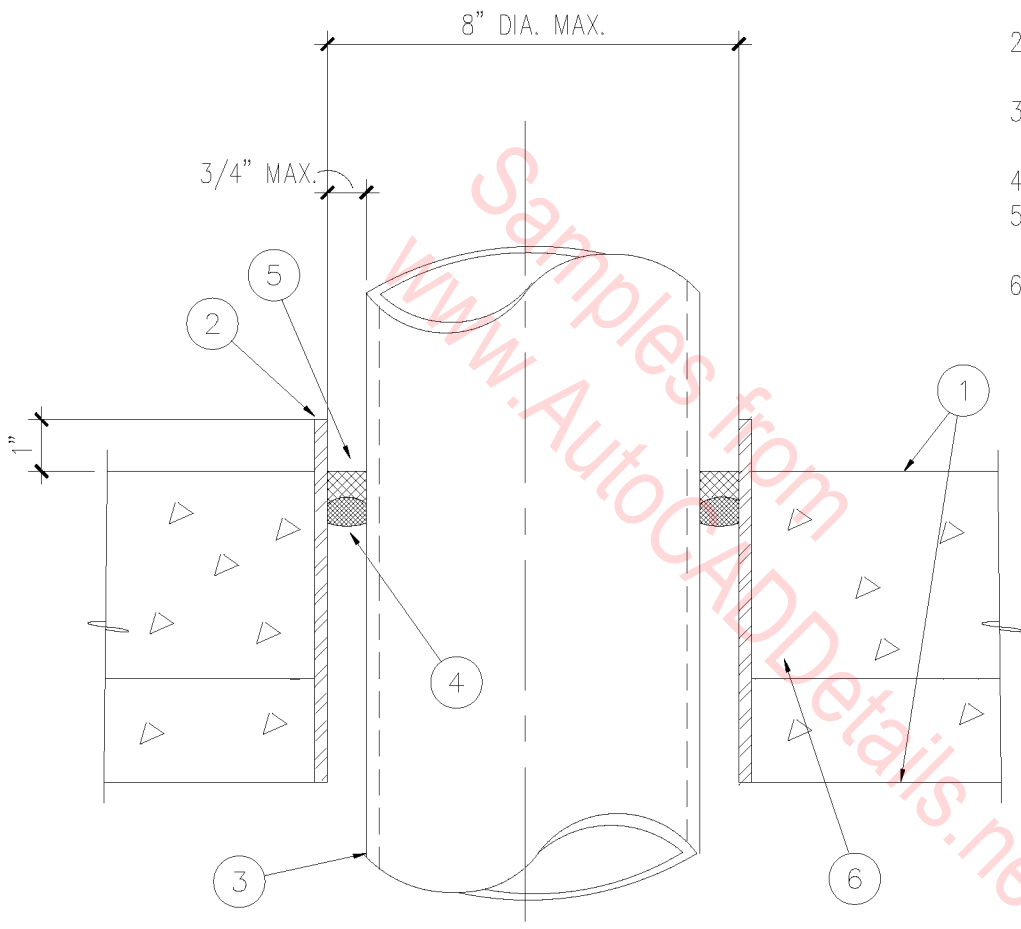
1. 8" CONCRETE MASONRY UNIT OR CONCRETE - 1 OR 2 HOUR WALL.
2. ENCASE SLEEVE IN GROUT.
3. STEEL PIPE SLEEVE - SCHEDULE 40.
4. 6" DIA MAX STEEL PIPE OR CONDUIT.
5. POLYURETHANE BACKER ROD.
6. 1/2" MIN 'TREMCO' FYRE-SHIELD SEALANT.



1 OR 2 HR PENETRATION

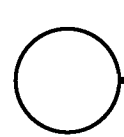
SCALE: 3" = 1'-0"

03C-1011



1. PRECAST CONCRETE DOUBLE TEE WITH 4" CONCRETE TOPPING UL DESIGN NO. J941.
2. STEEL PIPE SLEEVE SCHEDULE 40.
3. 6" DIA (MAX) STEEL PIPE OR CONDUIT.
4. POLYURETHANE BACKER ROD.
5. 1/2" MIN 'TREMCO' FYRE-SHIELD SEALANT.
6. ENCASE SLEEVE IN CONCRETE.

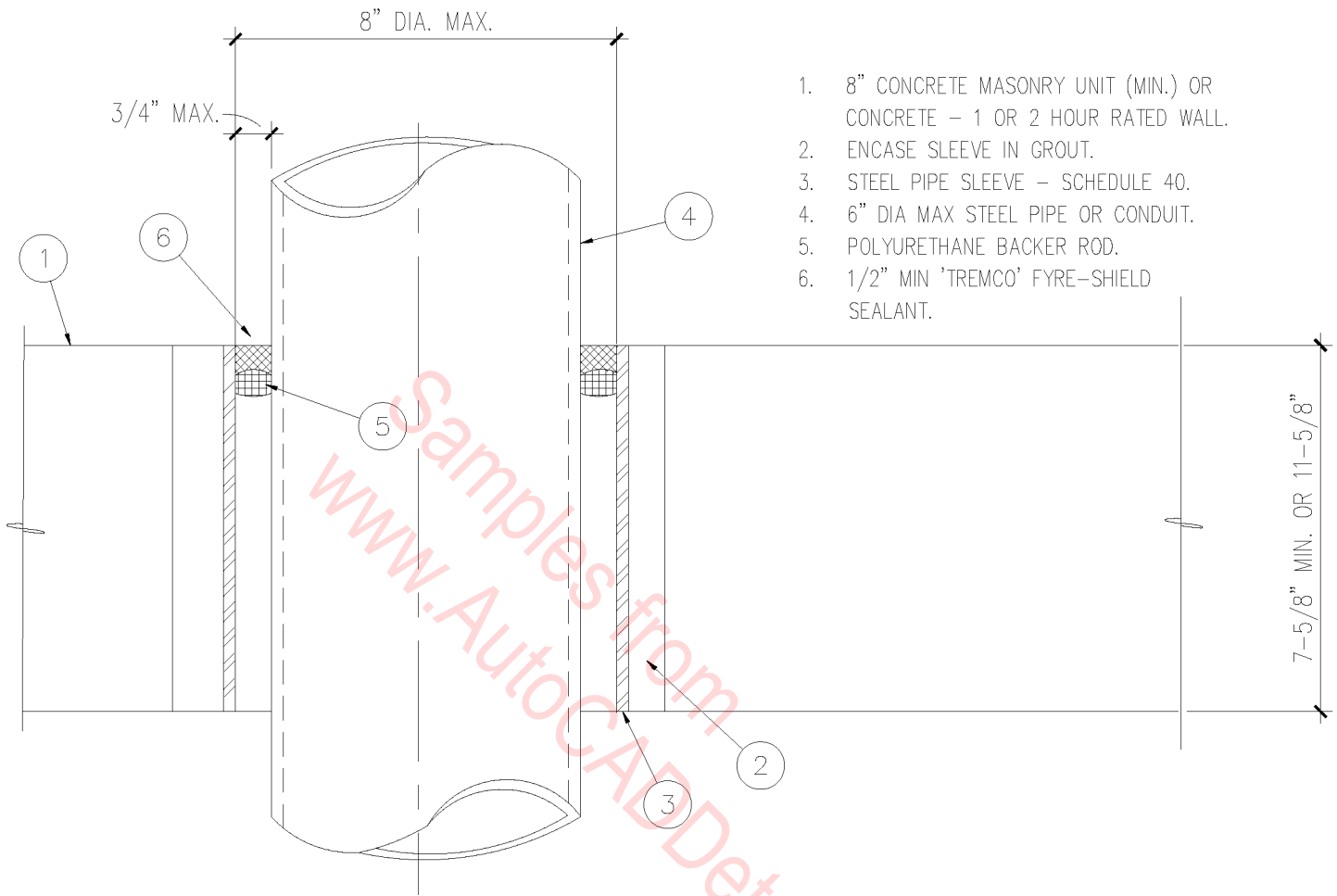
ASTM-E814 (UL1479) AND
 UL THROUGH-PENETRATION FIRESTOP SYSTEMS (XHEZ) SYSTEM NO. 208



2 HR FLOOR PENETRATION

SCALE: 3" = 1'-0"

03C-1012



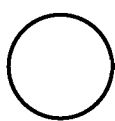
1. 8" CONCRETE MASONRY UNIT (MIN.) OR CONCRETE - 1 OR 2 HOUR RATED WALL.
2. ENCASE SLEEVE IN GROUT.
3. STEEL PIPE SLEEVE - SCHEDULE 40.
4. 6" DIA MAX STEEL PIPE OR CONDUIT.
5. POLYURETHANE BACKER ROD.
6. 1/2" MIN 'TREMCO' FYRE-SHIELD SEALANT.

ASTM-E814 (UL 1479) AND
 UL THROUGH-PENETRATION FIRESTOP SYSTEMS (XHEZ) SYSTEM NO. 208

FIRE-RESISTIVE CONSTRUCTION

GENERAL NOTE:

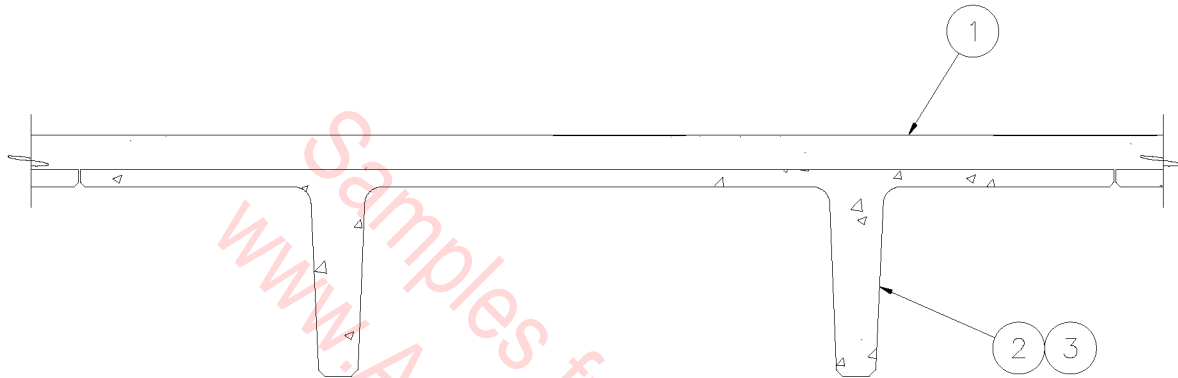
ALL PENETRATIONS OF FIRE-RESISTANT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAILS THAT CONFORM TO UNDERWRITERS LABORATORIES LISTINGS FOR "THROUGH-PENETRATION FIRE STOP SYSTEMS". THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS, FURNISHED BY THE MANUFACTURER OF THE FIRE STOP MATERIAL, WHICH SHOW COMPLETE CONFORMANCE TO THE UL LISTING TO THE ARCHITECT, AND SUCH DRAWINGS SHALL BE AVAILABLE TO THE LOCAL BUILDING INSPECTORS. THE DRAWINGS SHALL BE SPECIFIC FOR EACH PENETRATION, WITH ALL VARIABLES DEFINED.



PIPE PENETRATION

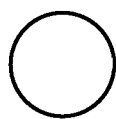
SCALE: 3" = 1'-0"

03C-1013



NOTE: UL DESIGN NO. J941

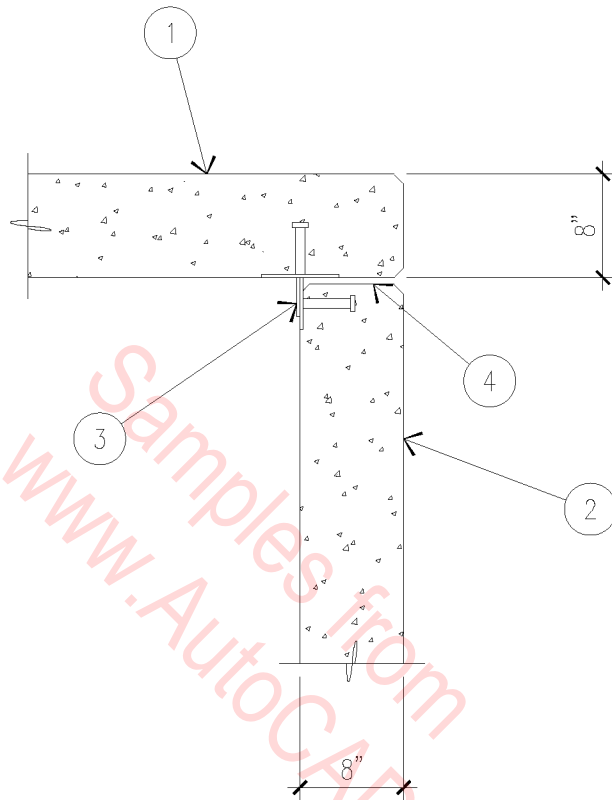
1. 4" CONCRETE TOPPING, 3,000 PSI COMPRESSIBLE STRENGTH.
2. PRECAST CONCRETE UNITS, NOMINAL 10' WIDE DOUBLE TEE.
3. MINIMUM BEARING 3".



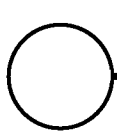
2 HOUR FLOOR SLAB

3" = 1'-0"

03C-1014



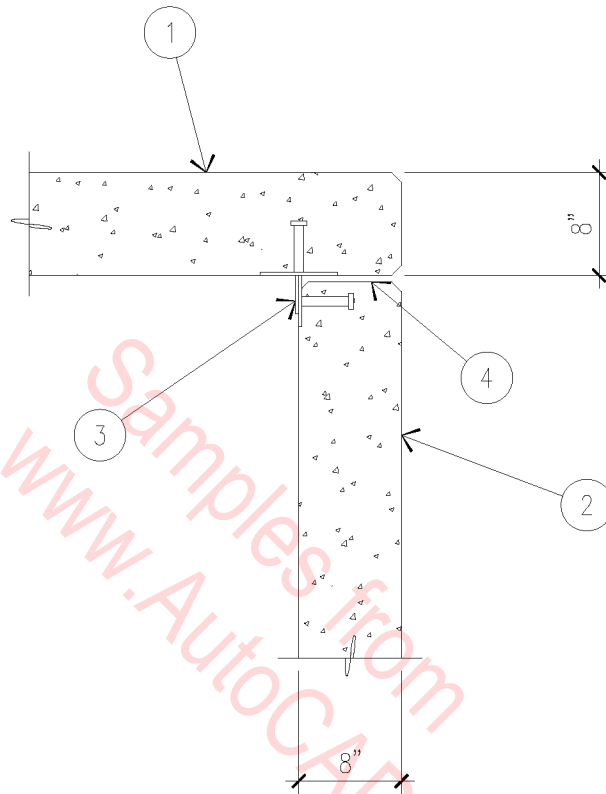
1. 8" PRECAST CONCRETE SLAB ROOF.
2. 8" PRECAST CONCRETE WALL.
3. PRECAST SUPPLIER SHALL PROVIDE CONNECTION OF SLAB TO WALL.
4. 1/2" EXPANSION GAP.



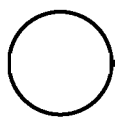
PRECAST WALL TO ROOF

3/4" = 1'-0"

03C-1015



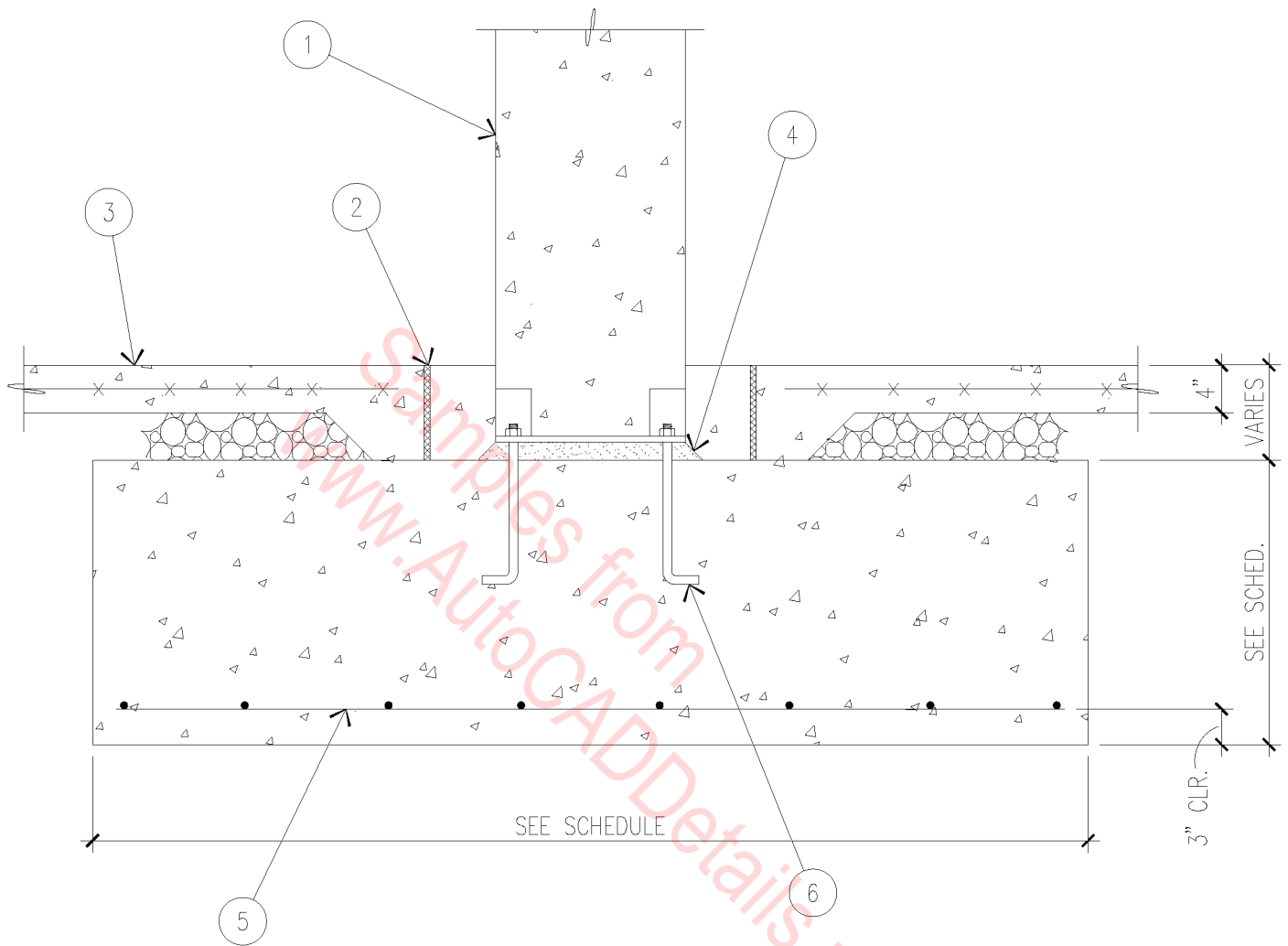
1. 8" PRECAST CONCRETE SLAB ROOF.
2. 8" PRECAST CONCRETE WALL.
3. PRECAST SUPPLIER SHALL PROVIDE CONNECTION OF SLAB TO WALL.
4. 1/2" EXPANSION GAP.



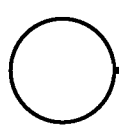
PRECAST WALL TO ROOF

3/4" = 1'-0"

03C-1015



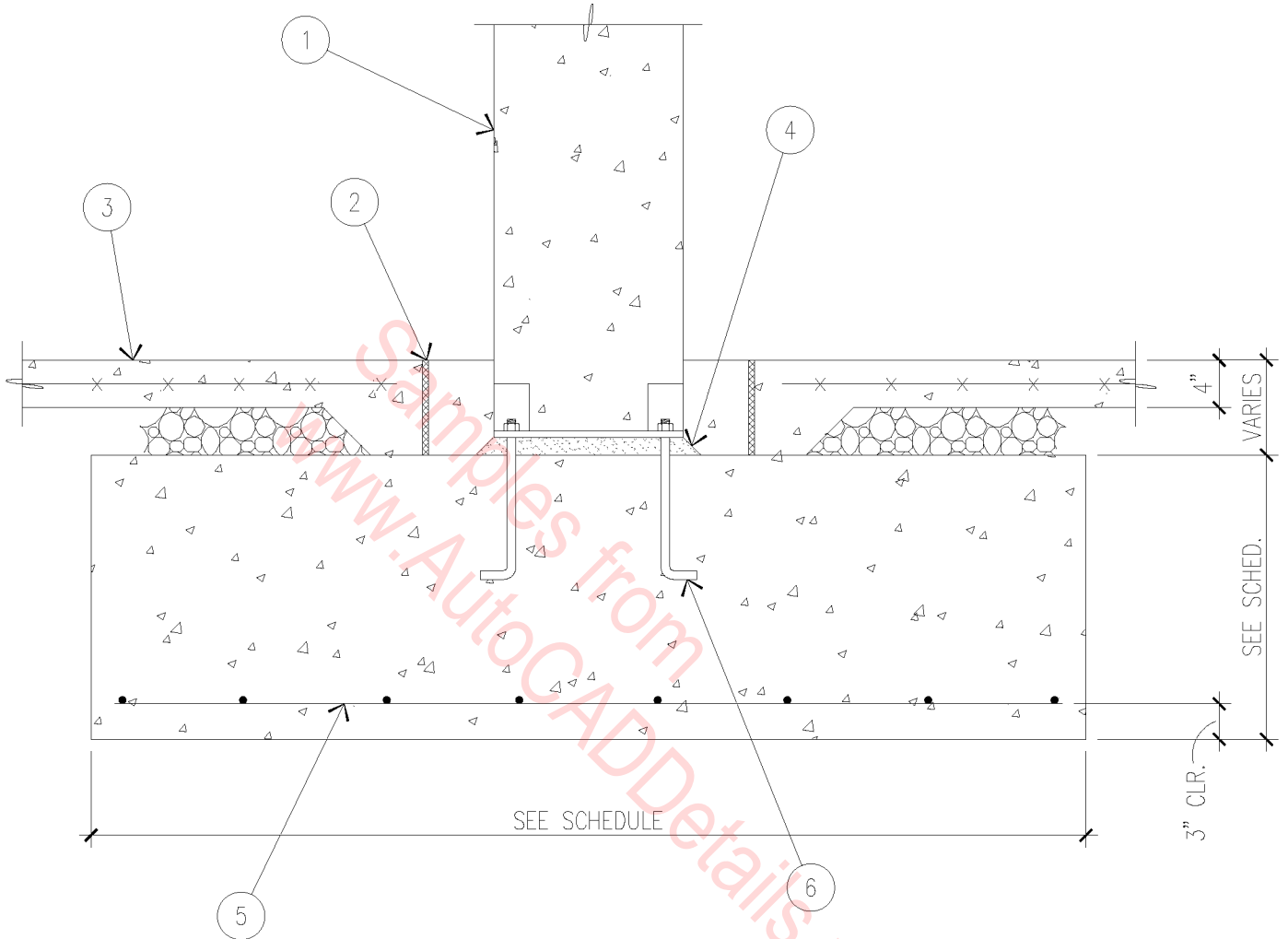
1. 16" X 16" PRECAST COLUMN, BASE CONNECTION BY PRECAST SUPPLIER.
2. 1/2" EXPANSION JOINT MATERIAL (TYPICAL).
3. 4" CONCRETE SLAB - SEE PLAN.
4. 1 1/2" STEEL SHIMS AND NON-SHRINK GROUT.
5. REINFORCED PER SPREAD FOOTING SCHEDULE.
6. (4) 3/4" \varnothing $\left. \begin{array}{l} 12" \\ 3" \end{array} \right\}$ ANCHOR BOLTS.



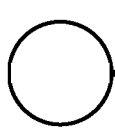
INTERIOR FOOTING

3/4" = 1'-0"

03C-1016



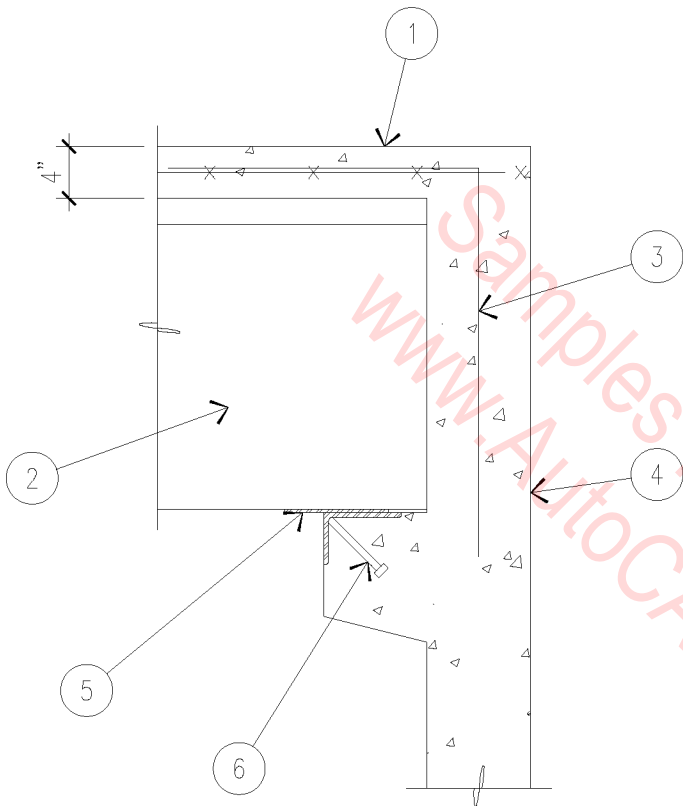
1. 16" X 16" PRECAST COLUMN, BASE CONNECTION BY PRECAST SUPPLIER.
2. 1/2" EXPANSION JOINT MATERIAL (TYPICAL).
3. 4" CONCRETE SLAB - SEE PLAN.
4. 1 1/2" STEEL SHIMS AND NON-SHRINK GROUT.
5. REINFORCED PER SPREAD FOOTING SCHEDULE.
6. (4) 3/4" ϕ $\begin{matrix} 12" \\ 3" \end{matrix}$ ANCHOR BOLTS.



INTERIOR FOOTING

3/4" = 1'-0"

03C-1016

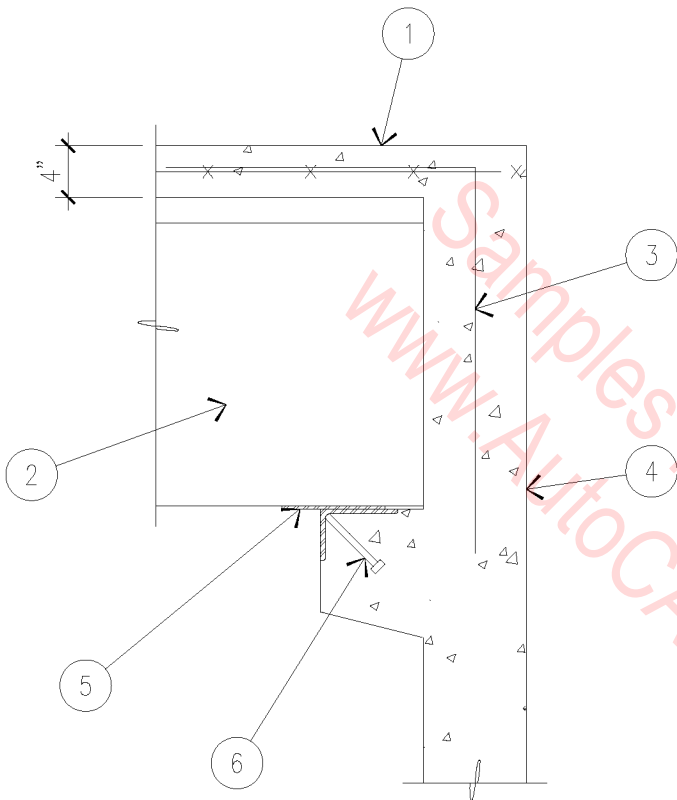


1. 4" CONCRETE SLAB – SEE PLAN.
2. 8DT24 PRECAST CONCRETE 'T'.
3. #4 (GRADE 40) X 4'-6" AT 16" O.C., EMBED 2'-6" MINIMUM IN WALL, FIELD BEND.
4. 8" PRECAST WALL.
5. 'T' TO WALL CONNECTION BY PRECAST SUPPLIER.
6. L6" X 4" X 3/8" X 8" WITH (2) X 1/2" Ø X 6" H.A.S.

CONCRETE 'T' TO PRECAST WALL

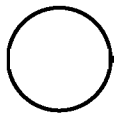
3/4" = 1'-0"

03C-1017



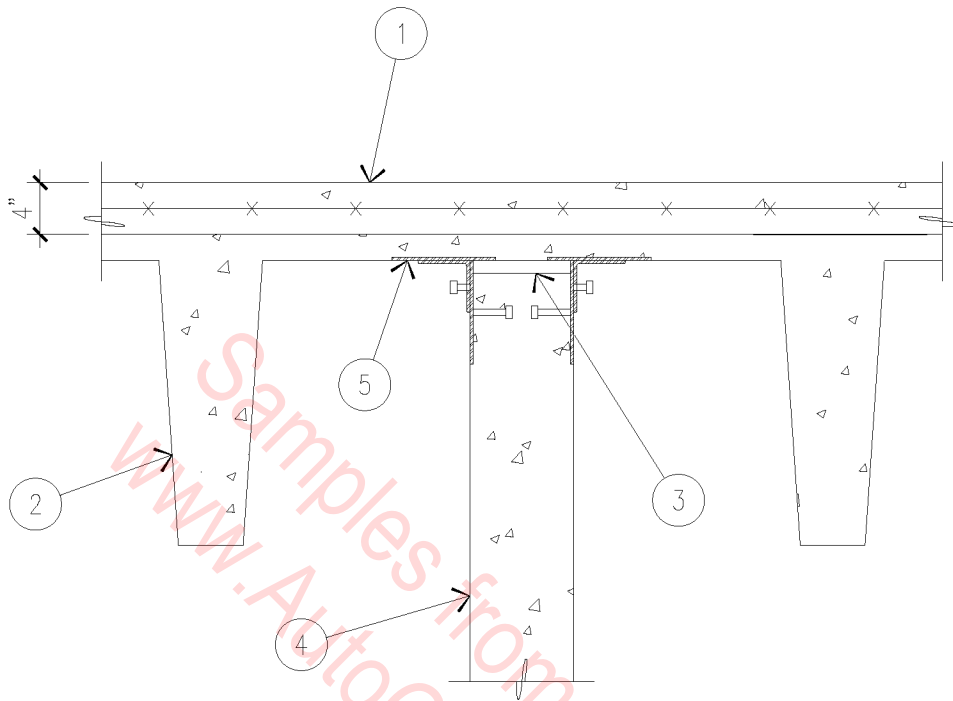
1. 4" CONCRETE SLAB - SEE PLAN.
2. 8DT24 PRECAST CONCRETE 'T'.
3. #4 (GRADE 40) X 4'-6" AT 16" O.C., EMBED 2'-6" MINIMUM IN WALL, FIELD BEND.
4. 8" PRECAST WALL.
5. 'T' TO WALL CONNECTION BY PRECAST SUPPLIER.
6. L6" X 4" X 3/8" X 8" WITH (2) X 1/2" Ø X 6" H.A.S.

CONCRETE 'T' TO PRECAST WALL

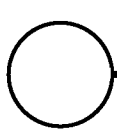


3/4" = 1'-0"

03C-1017



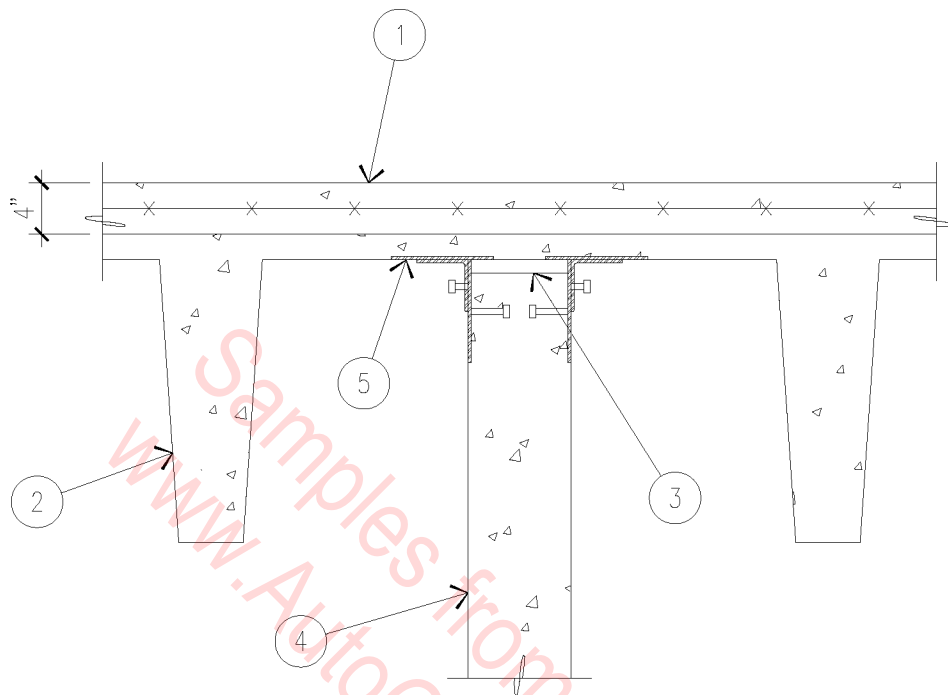
1. 4" CONCRETE SLAB - SEE PLAN.
2. 8DT24 PRECAST CONCRETE 'T'.
3. SHEAR CONNECTION ALLOWING VERTICAL MOVEMENT.
4. 8" PRECAST WALL.
5. 'T' TO WALL CONNECTION BY PRECAST SUPPLIER.



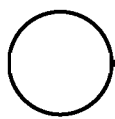
PRECAST WALL TO SLAB

3/4" = 1'-0"

03C-1018



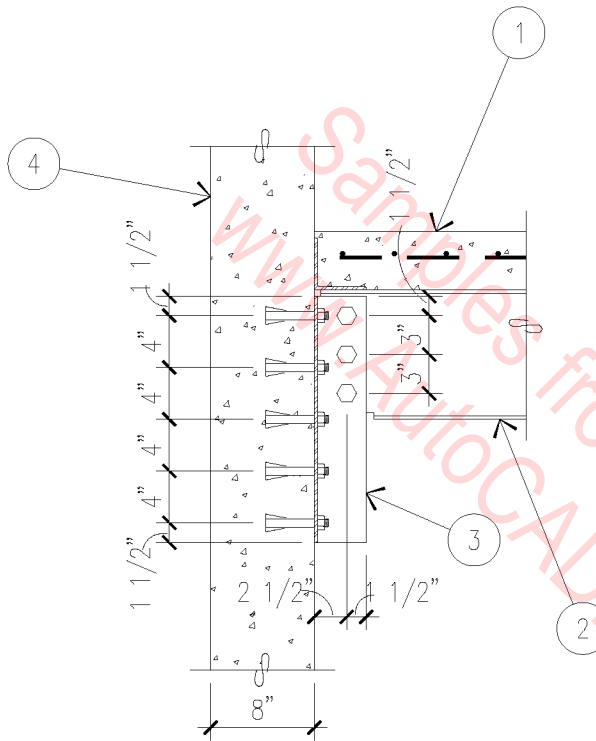
1. 4" CONCRETE SLAB - SEE PLAN.
2. 8DT24 PRECAST CONCRETE 'T'
3. SHEAR CONNECTION ALLOWING VERTICAL MOVEMENT.
4. 8" PRECAST WALL.
5. 'T' TO WALL CONNECTION BY PRECAST SUPPLIER.



PRECAST WALL TO SLAB

3/4" = 1'-0"

03C-1018

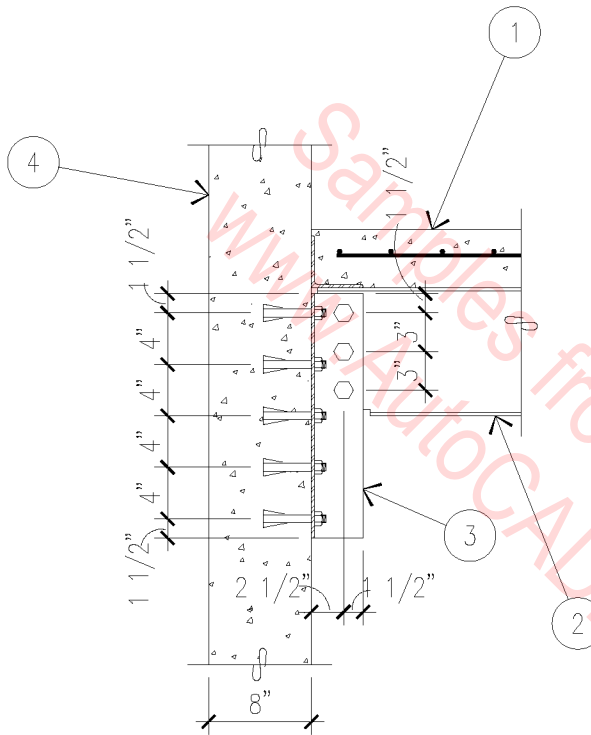


1. 2 1/2" CONCRETE SLAB OVER 2" METAL DECKING.
2. WIDE FLANGE BEAM.
3. (2) L 4" X 4" X 1'-7" X 1/4" WITH (3) 5/8" Ø THROUGH BOLTS AND (10) 5/8" Ø EXPANSION BOLTS.
4. 8" PRECAST CONCRETE WALL.

BEAM AT BEARING PRECAST WALL

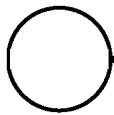
3/4" = 1'-0"

03C-1019



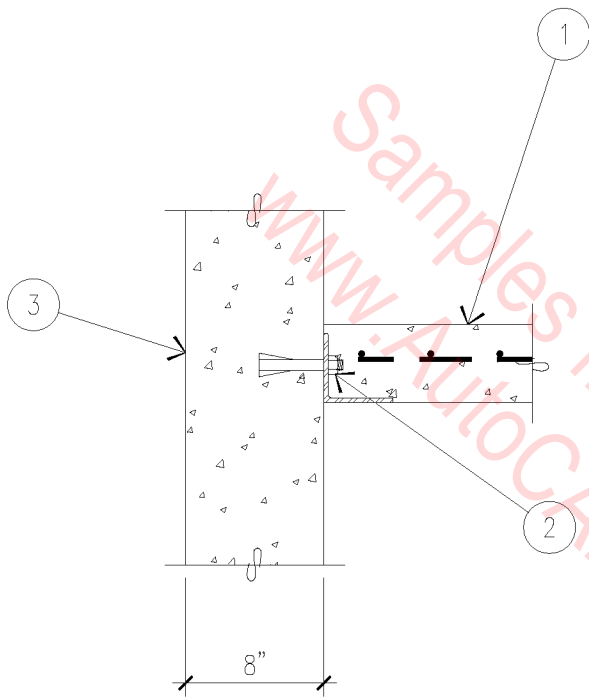
1. 2 1/2" CONCRETE SLAB OVER 2" METAL DECKING.
2. WIDE FLANGE BEAM.
3. (2) L 4" X 4" X 1'-7" X 1/4" WITH (3) 5/8" Ø THROUGH BOLTS AND (10) 5/8" Ø EXPANSION BOLTS.
4. 8" PRECAST CONCRETE WALL.

BEAM AT BEARING PRECAST WALL



3/4" = 1'-0"

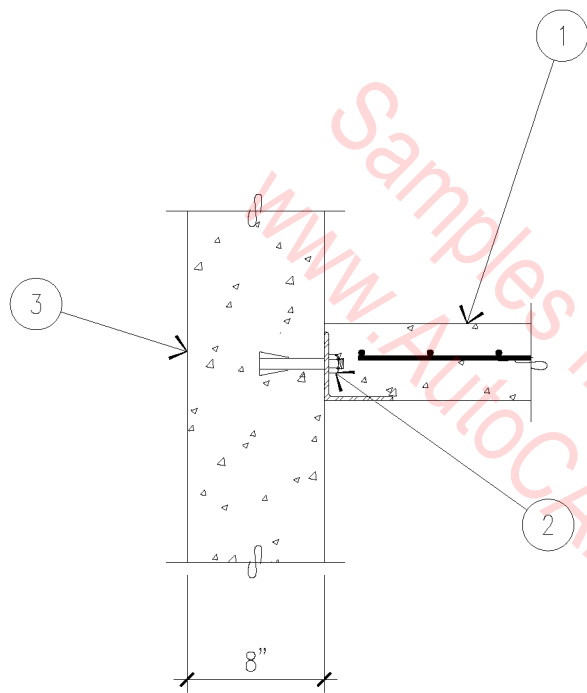
03C-1019



1. 2 1/2" CONCRETE SLAB OVER 2" METAL DECKING.
2. 5/8" Ø EXPANSION BOLTS AT 24" O.C.
3. 8" PRECAST CONCRETE WALL.

○ SLAB TO WALL
 1" = 1'-0"

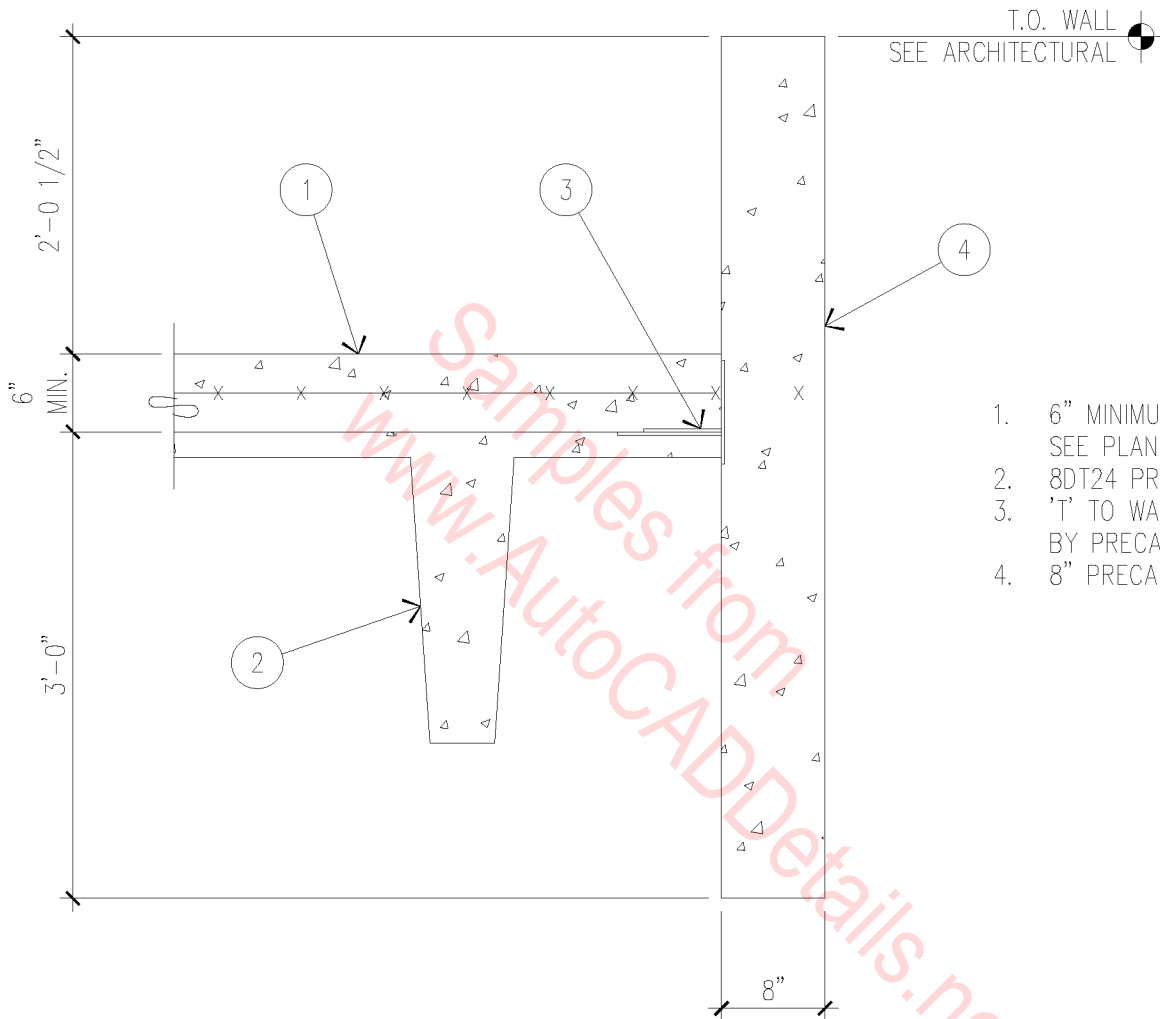
03C-1020



1. 2 1/2" CONCRETE SLAB OVER 2" METAL DECKING.
2. 5/8" ϕ EXPANSION BOLTS AT 24" O.C.
3. 8" PRECAST CONCRETE WALL.

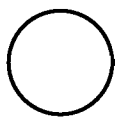

 SLAB TO WALL
 1" = 1'-0"

03C-1020



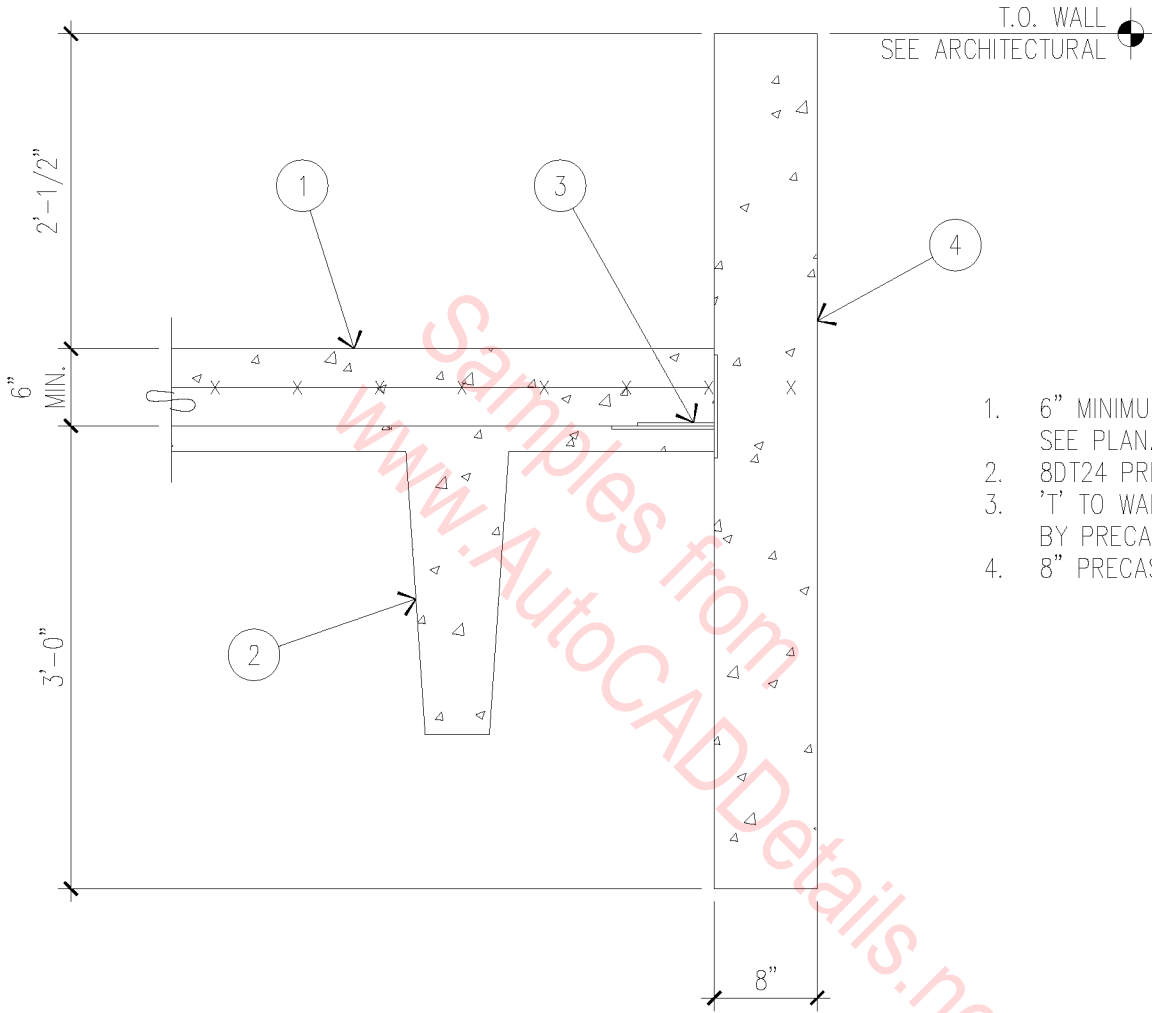
1. 6" MINIMUM CONCRETE SLAB – SEE PLAN.
2. 8DT24 PRECAST CONCRETE 'T'.
3. 'T' TO WALL CONNECTION BY PRECAST SUPPLIER.
4. 8" PRECAST WALL.

PRECAST WALL TO BEAM



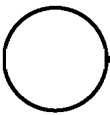
3/4" = 1'-0"

03C-1021



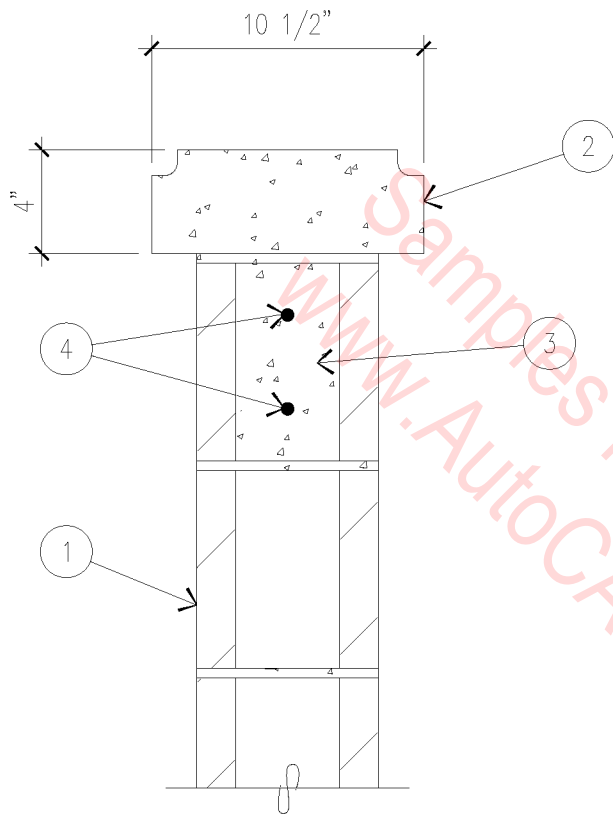
1. 6" MINIMUM CONCRETE SLAB - SEE PLAN.
2. 8DT24 PRECAST CONCRETE 'T'.
3. 'T' TO WALL CONNECTION BY PRECAST SUPPLIER.
4. 8" PRECAST WALL.

PRECAST WALL TO BEAM



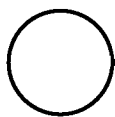
3/4" = 1'-0"

03C-1021



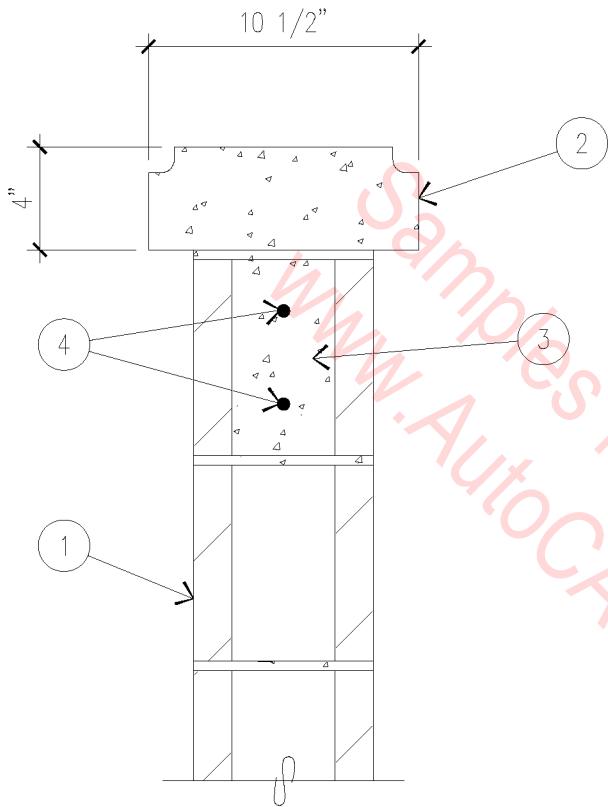
1. 8 X 8 X 16 MASONRY PARAPET WALL.
2. PRECAST PARAPET CAP.
3. BOND BEAM.
4. #4 REBAR CONTINUOUS.

PRECAST
CONCRETE PARAPET CAP



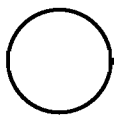
1 1/2" = 1'-0"

03C-1022



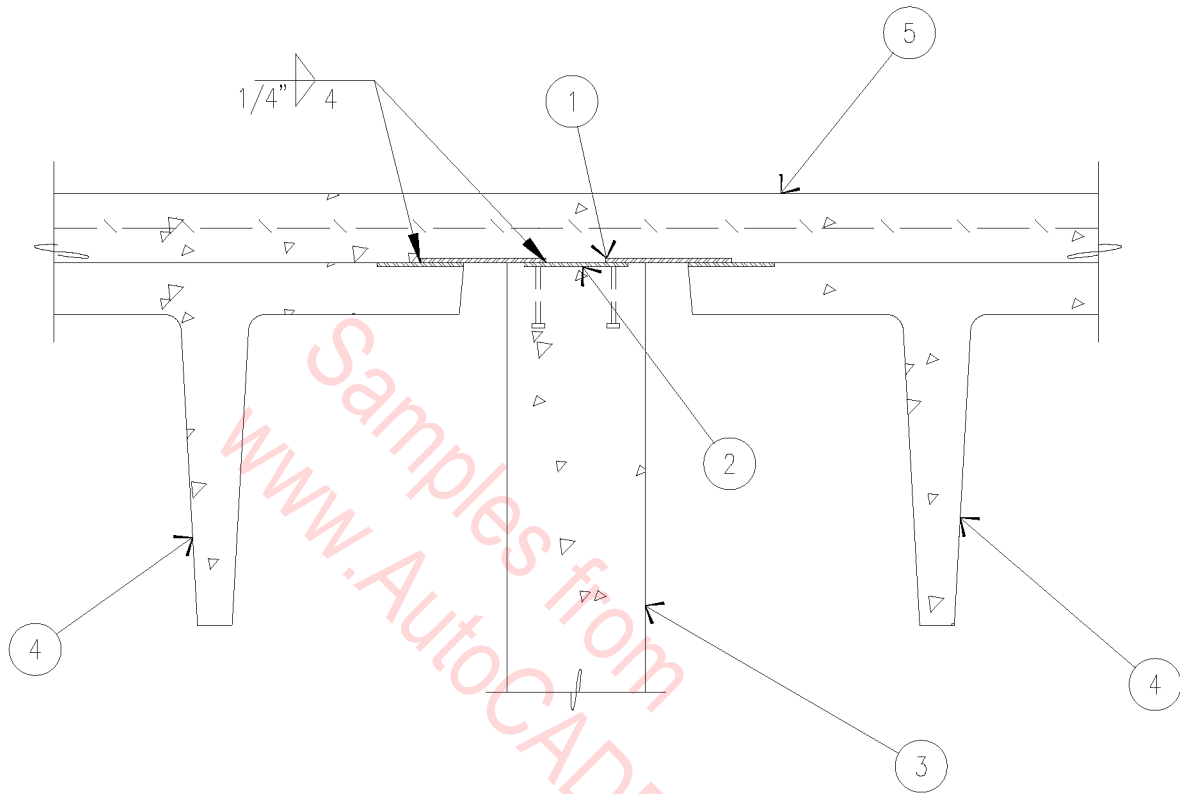
1. 8 X 8 X 16 MASONRY PARAPET WALL.
2. PRECAST PARAPET CAP.
3. BOND BEAM.
4. #4 REBAR CONTINUOUS.

PRECAST CONCRETE PARAPET CAP



1 1/2" = 1'-0"

03C-1022

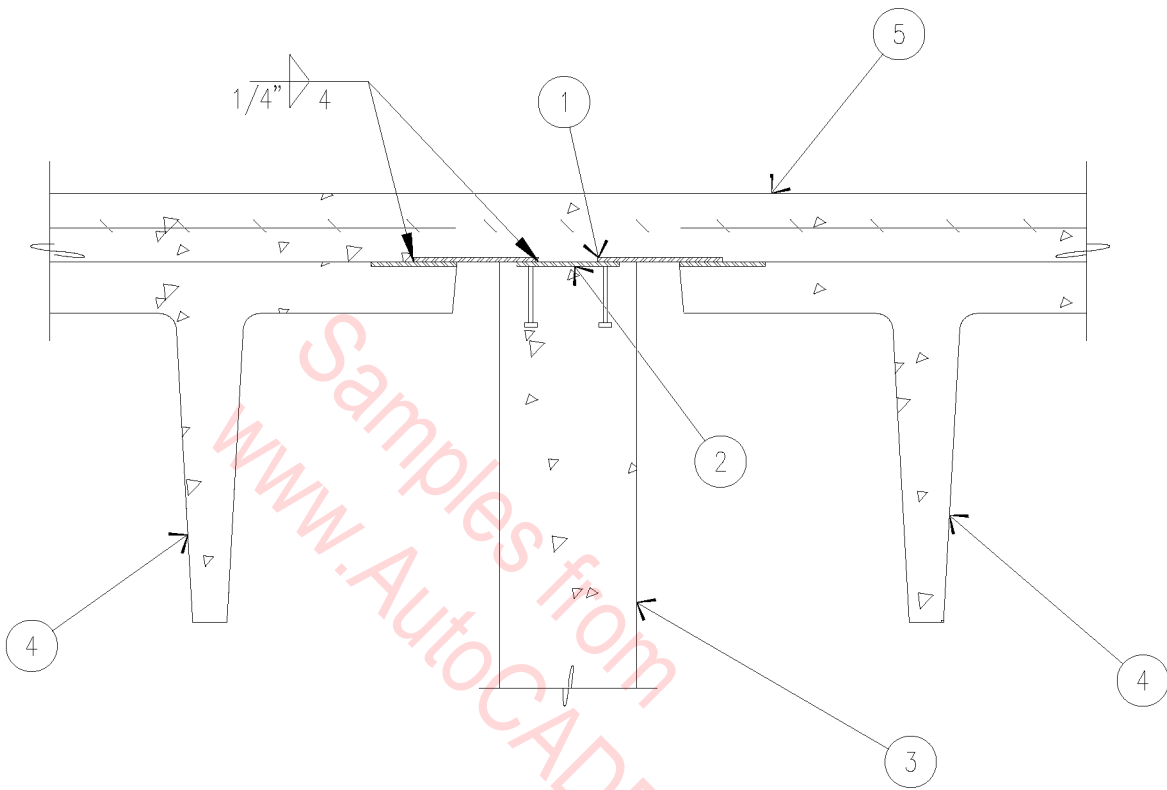


1. 3/8" X 5" X 5" STEEL PLATE.
2. 3/8" X 8" X 8" STEEL PLATE WITH
(4) 3/4" ϕ X 5" LONG NELSON
STUDS AT 6" O.C. - LOCATE PLATES
AT 48" O.C. (MINIMUM).
3. PRECAST CONCRETE WALL.
4. PRECAST CONCRETE TEE.
5. CONCRETE TOPPING.

DOUBLE TEE AT C.I.P. CONCRETE WALL

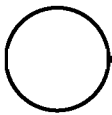
1" = 1'-0"

03C-1023



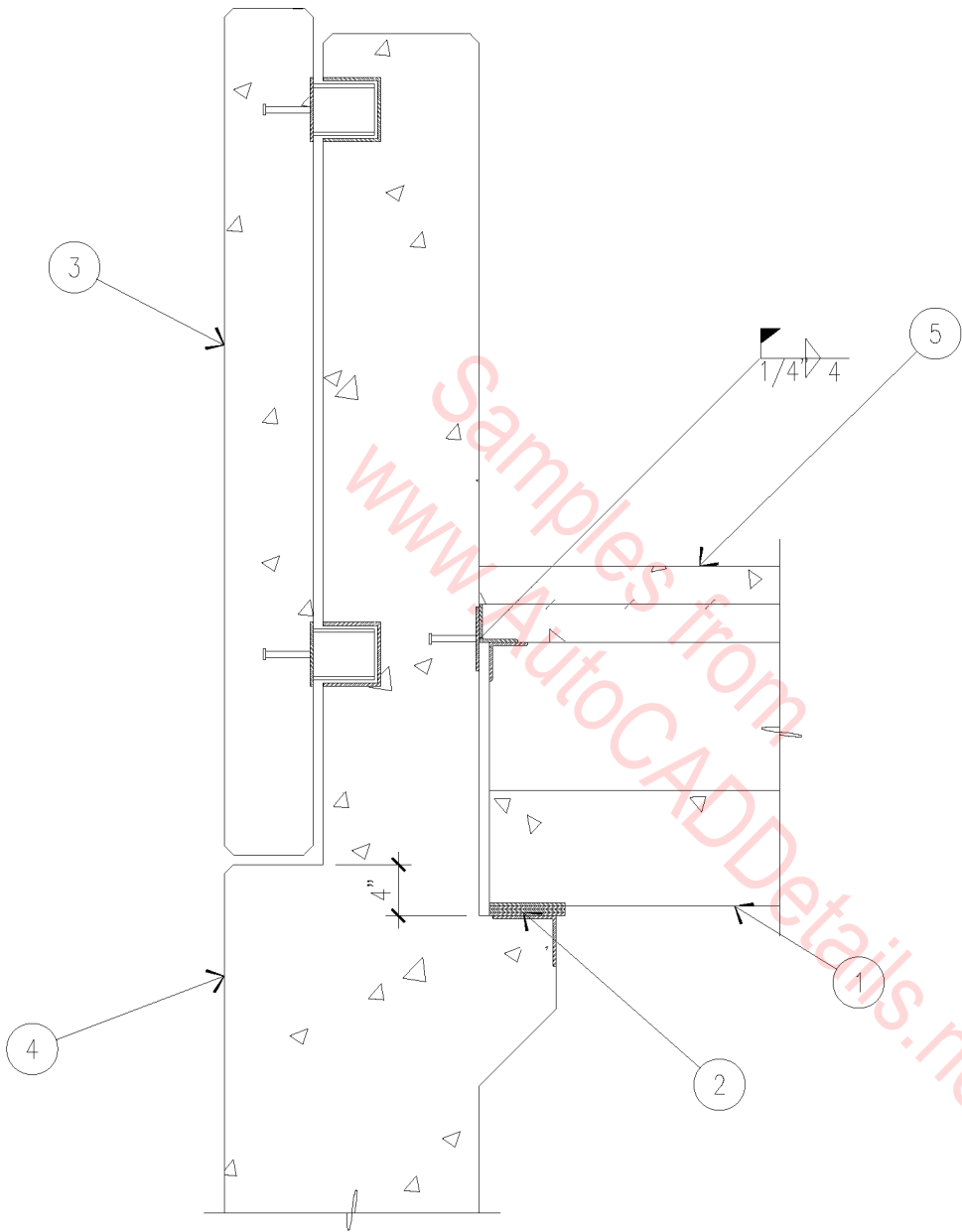
1. 3/8" X 5" X 5" STEEL PLATE.
2. 3/8" X 8" X 8" STEEL PLATE WITH
(4) 3/4" ϕ X 5" LONG NELSON
STUDS AT 6" O.C. - LOCATE PLATES
AT 48" O.C. (MINIMUM).
3. PRECAST CONCRETE WALL.
4. PRECAST CONCRETE TEE.
5. CONCRETE TOPPING.

DOUBLE TEE AT C.I.P. CONCRETE WALL



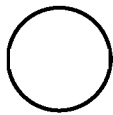
1" = 1'-0"

03C-1023



1. PRECAST INVERTED TEE BEAM.
2. STEEL SHIM PLATES.
3. PRECAST SPANDREL PANEL.
4. PRECAST COLUMN.
5. CAST IN PLACE CONCRETE SLAB.

SPANDREL AT PRECAST COLUMN



3/4" = 1'-0"

03C-1024