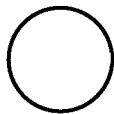
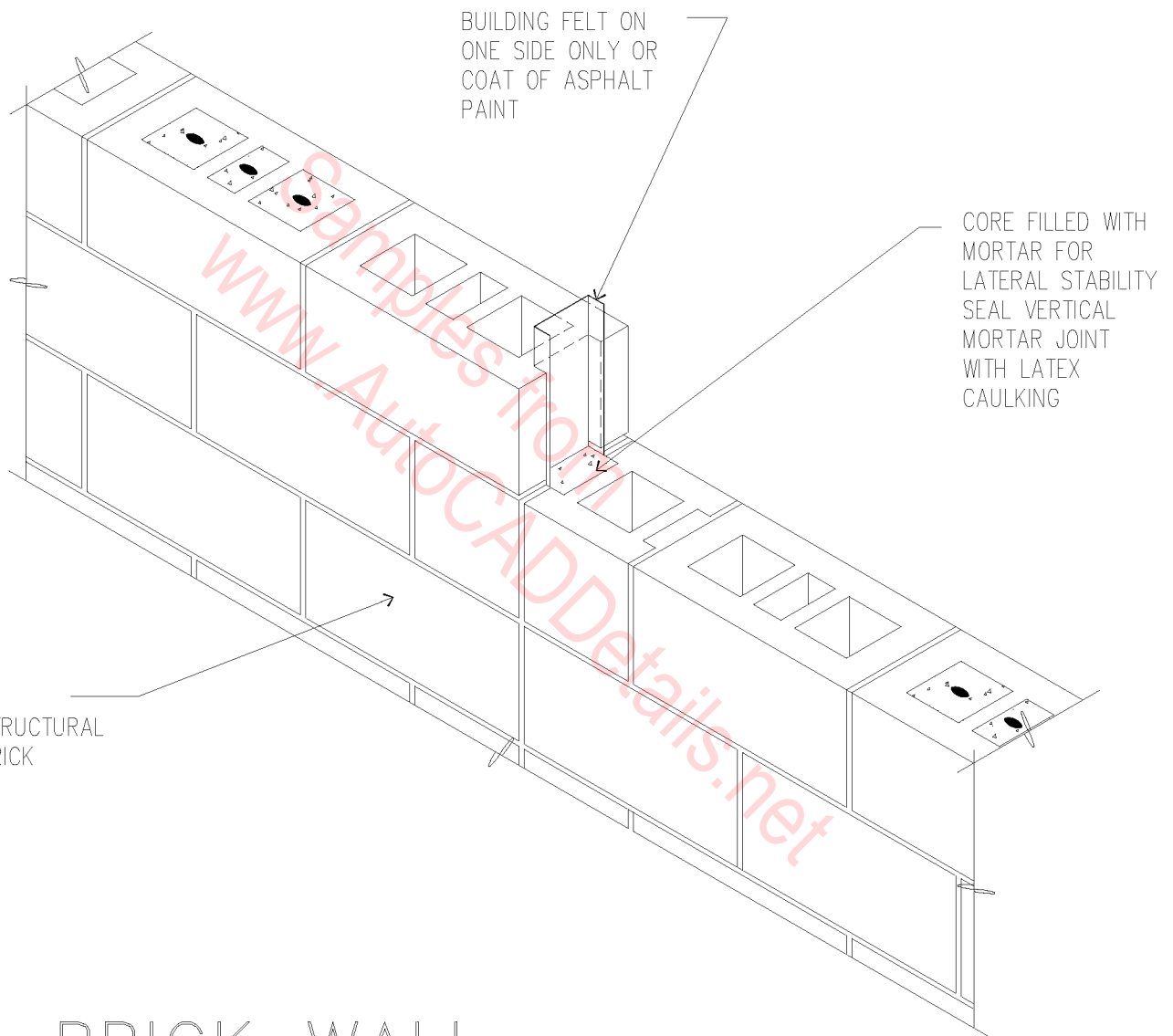


BRICK WALL CONTROL JOINT

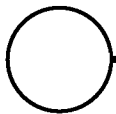


1" = 1'-0"

04A-3001

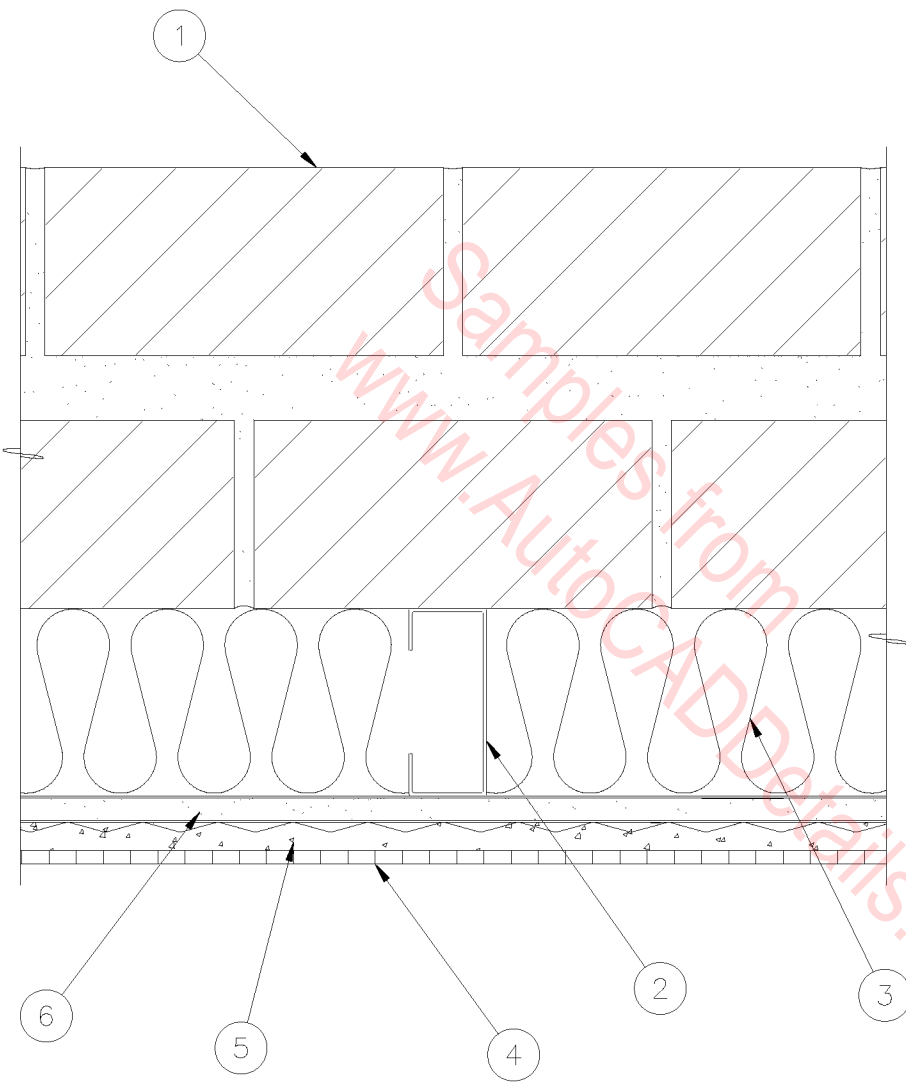


BRICK WALL
CONTROL JOINT



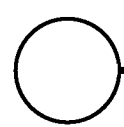
1" = 1'-0"

04A-3002



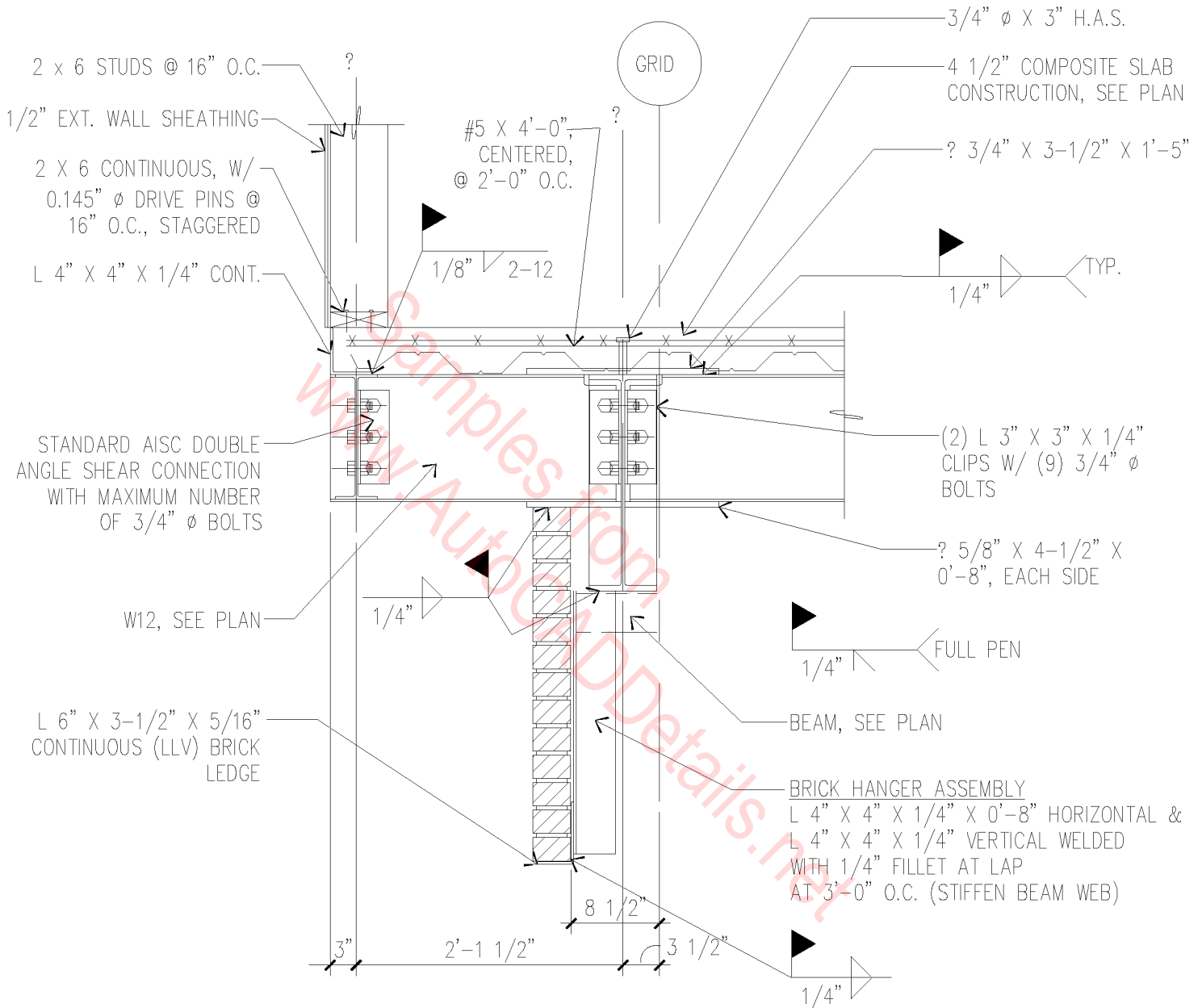
1. BRICK WALL.
2. 3 5/8" METAL STUDS.
3. R-11 BATT INSULATION.
4. CERAMIC TILE.
5. MORTAR BED AND METAL LATH.
6. CEMENTITIOUS BOARD.

2 HOUR
FURRED BRICK WALL

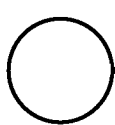


3" = 1'-0"

04A-4001



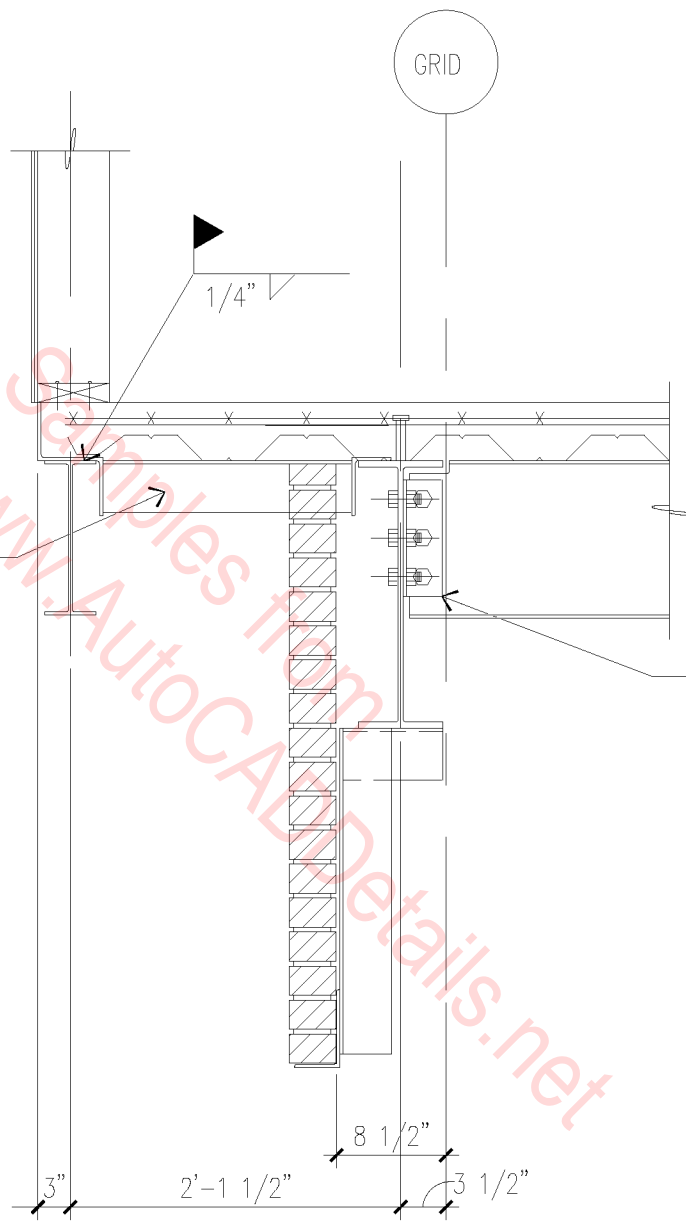
NOTE: AT LOCATIONS WHERE BEAM IS DROPPED, CUT
OUT WEB OF W12 TO MAKE MOMENT CONNECTION.



FRAMING SECTION

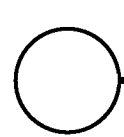
3/4" = 1'-0"

04A-2001



BRACKET ASSEMBLY
 L 3" X 3" X 1/4" HORIZONTAL WITH
 L 4" X 3" X 1/4" X 0'-4"
 (LLV) HANGERS. WELD WITH
 1/4" FILLET ALL AROUND

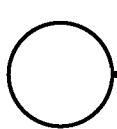
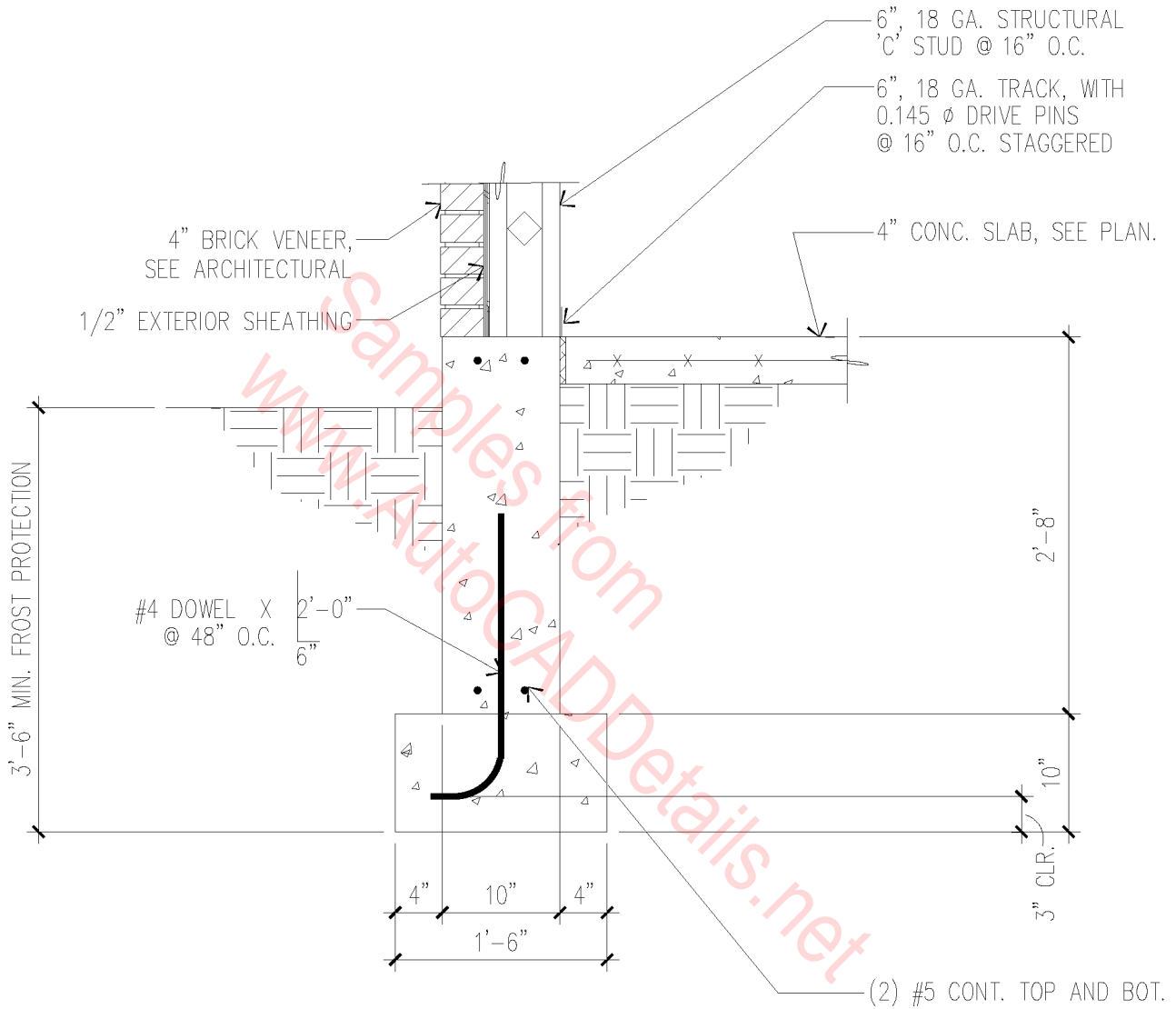
STANDARD AISC DOUBLE
 ANGLE SHEAR CONNECTION
 WITH MAXIMUM NUMBER OF
 3/4" Ø BOLTS



FRAMING SECTION

3/4" = 1'-0"

04A-2002



FOOTING & STEM WALL

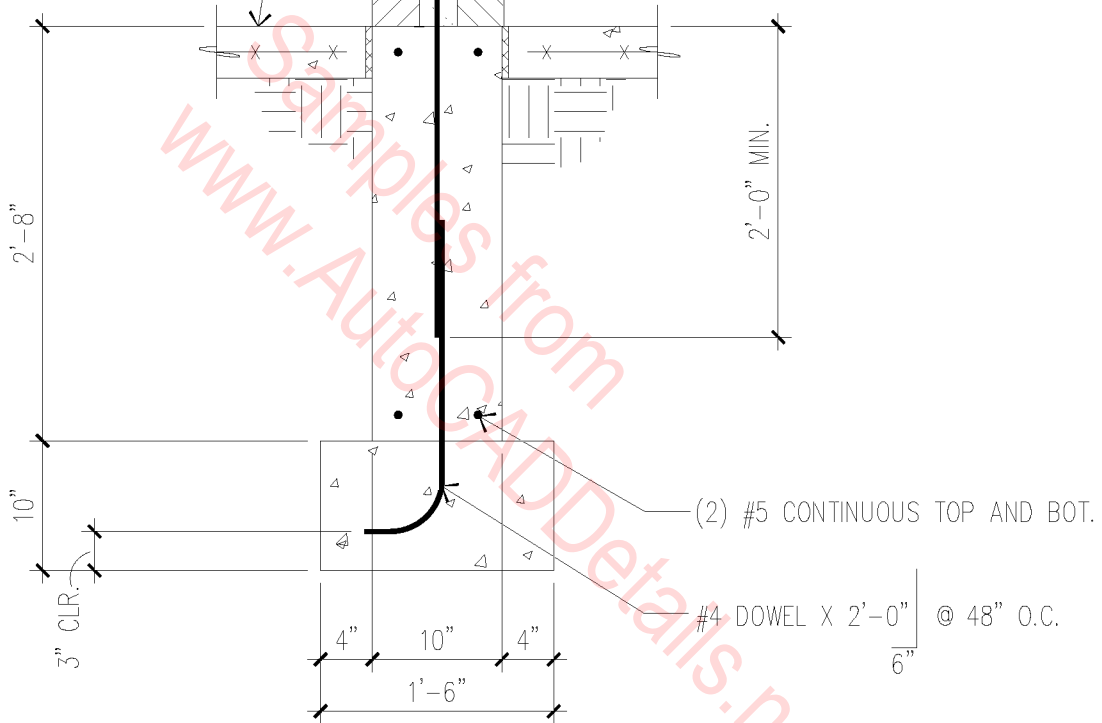
3/4" = 1'-0"

04A-2003

4" BRICK VENEER,
SEE ARCHITECTURAL

4" CONCRETE SLAB,
SEE PLAN.

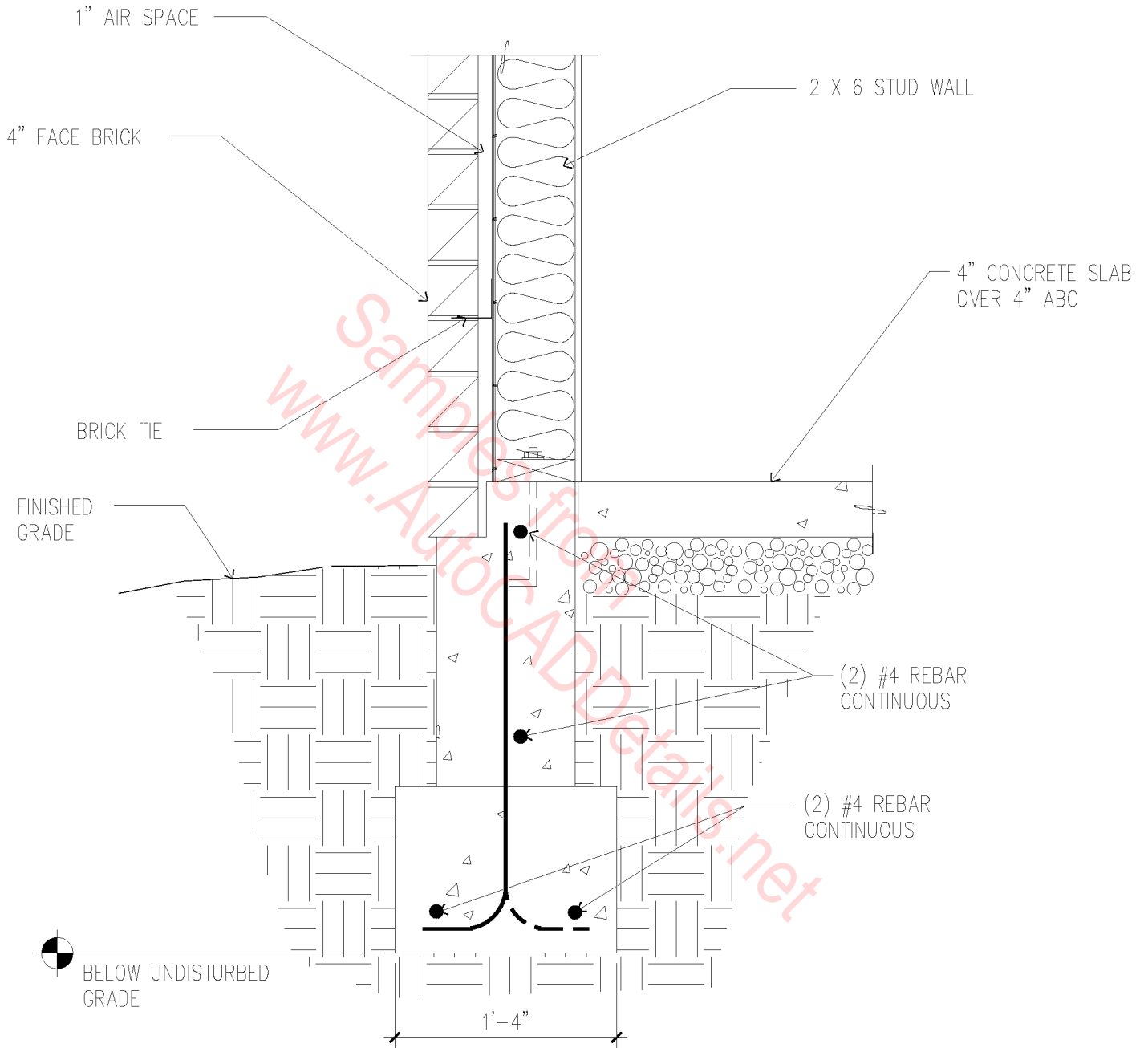
#4 @ 24" O.C. EACH WAY, CENTERED
IN FULLY GROUTED CENTER.



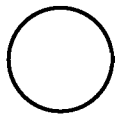
INTERIOR FOOTING & STEM WALL

3/4" = 1'-0"

04A-2004

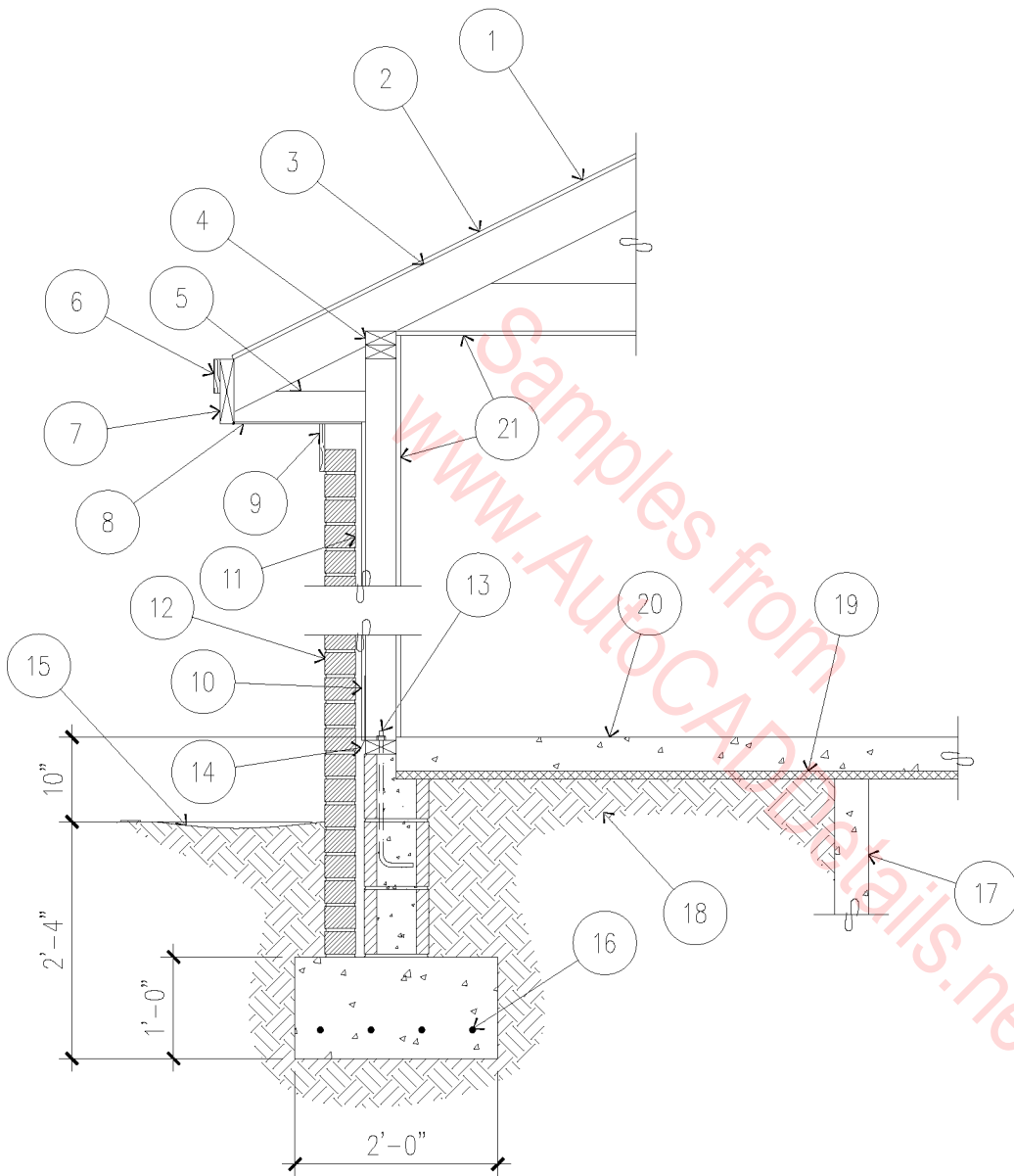


BRICK VENEER
@ STUD WALL



1" = 1'-0"

04A-2005

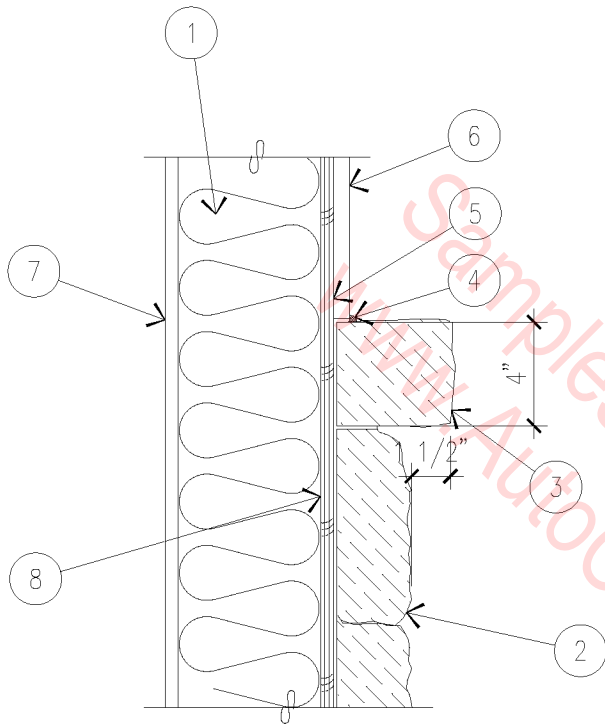


1. 15# FELT UNDERLAYMENT UNDER COMPOSITION SHINGLES.
2. ROOF DECKING.
3. 2 X RAFTERS.
4. DOUBLE TOP PLATE.
5. 2 X 4 RETURN.
6. 3/4" FASCIA.
7. 2 X FASCIA.
8. 1/4" PLYWOOD SOFFIT.
9. 1 X FREIZE BOARD.
10. INSULATION BOARD.
11. AIR SPACE.
12. BRICK WITH BRICK TIES PER MANUFACTURER'S SPECIFICATIONS.
13.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

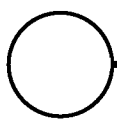
EXTERIOR WALL SECTION

1/2" = 1'-0"

04A-2006



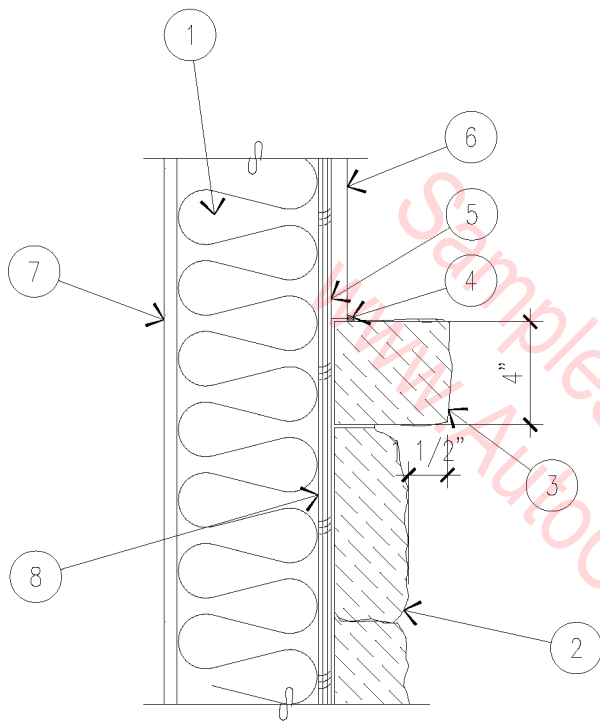
1. 2 X 6 WOOD STUD WALL.
2. CULTURED STONE VENEER.
3. CULTURED STONE LEDGE.
4. CAULKING.
5. 24 GAUGE GALVANIZED METAL FLASHING.
6. HARDBOARD SIDING OR STUCCO.
7. 1/2" GYPSUM BOARD.
8. 1/2" SHEATHING.



STONE LEDGE

1 1/2" = 1'-0"

04A-2007

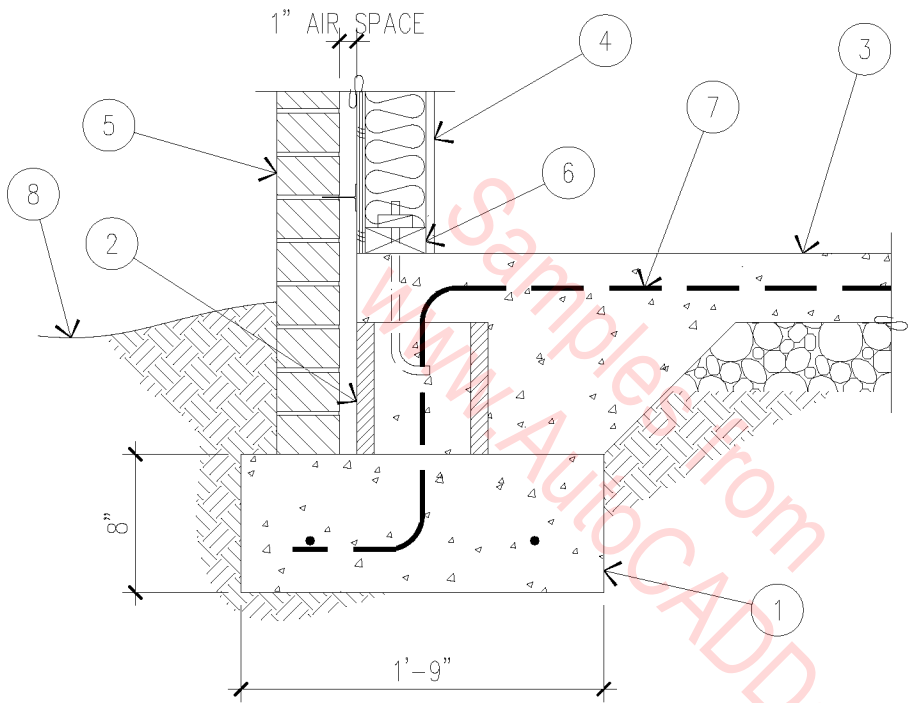


1. 2 X 6 WOOD STUD WALL.
2. CULTURED STONE VENEER.
3. CULTURED STONE LEDGE.
4. CAULKING.
5. 24 GAUGE GALVANIZED METAL FLASHING.
6. HARDBOARD SIDING OR STUCCO.
7. 1/2" GYPSUM BOARD.
8. 1/2" SHEATHING.

○ STONE LEDGE

1 1/2" = 1'-0"

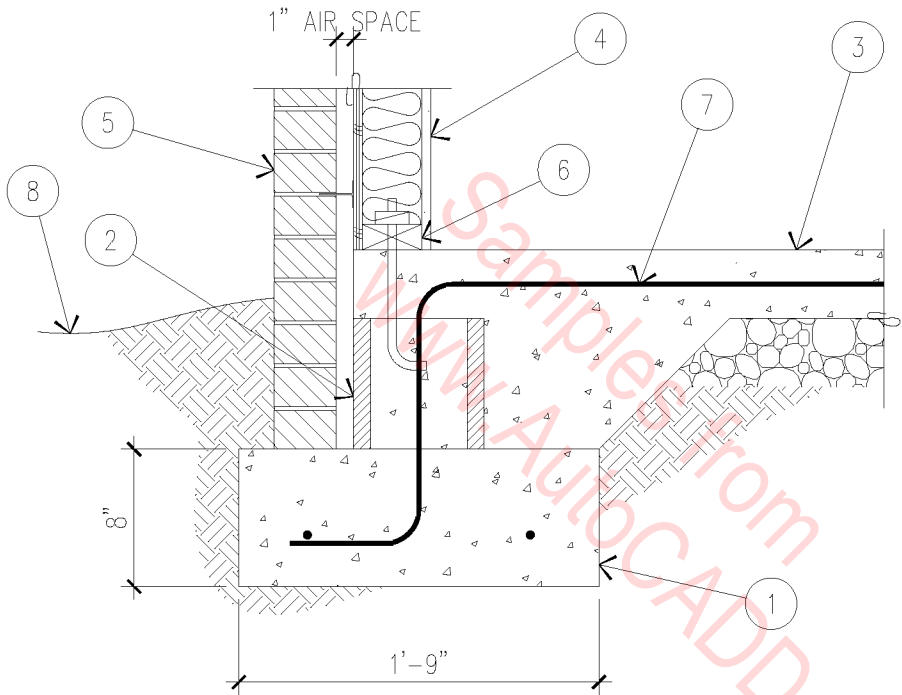
04A-2007



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"

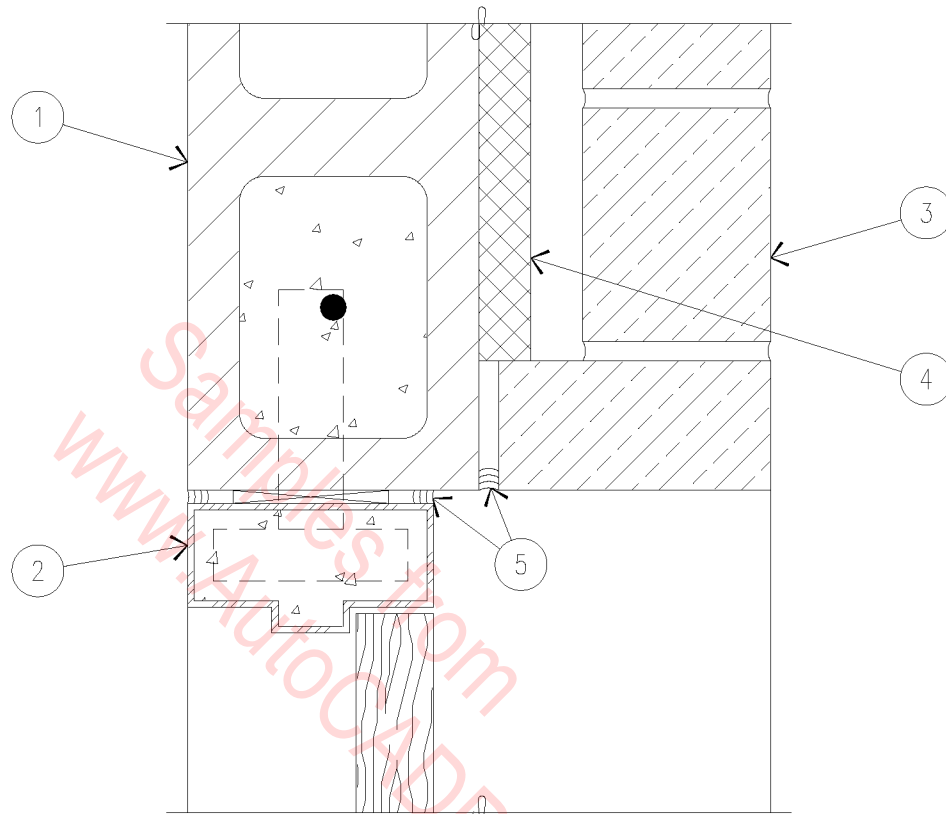
04A-2008



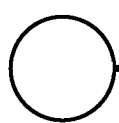
1. CONTINUOUS FOOTING WITH (2) #4 REBAR.
2. 8" CMU 'BOND BEAM' COURSE.
3. 4" CONCRETE SLAB OVER 4" AGGREGATE BASE COURSE.
4. 2 X 4 STUD WALL WITH 1/2" GYPSUM BOARD AT INTERIOR AND 1/2" O.S.B. EXTERIOR SHEATHING.
5. FACE BRICK - SEE ELEVATIONS.
6. SOLE PLATE.
7. #4 REBAR AT 6'-0" O.C.
8. FINISHED GRADE.

FOOTING
 1" = 1'-0"

04A-2008



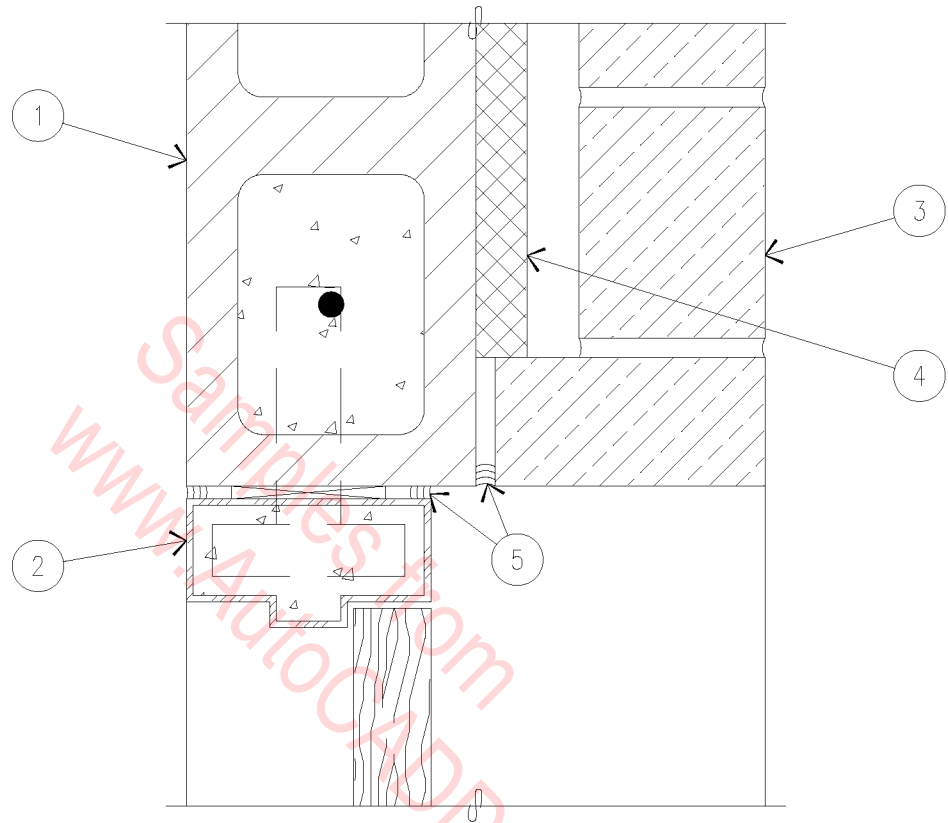
1. 6" CMU WALL - GROUT SOLID.
2. HOLLOW FRAME WITH JAMB ANCHORS - GROUT SOLID.
3. FACE BRICK.
4. CAVITY WALL INSULATION.
5. SILICONE SEALANT.



JAMB

3" = 1'-0"

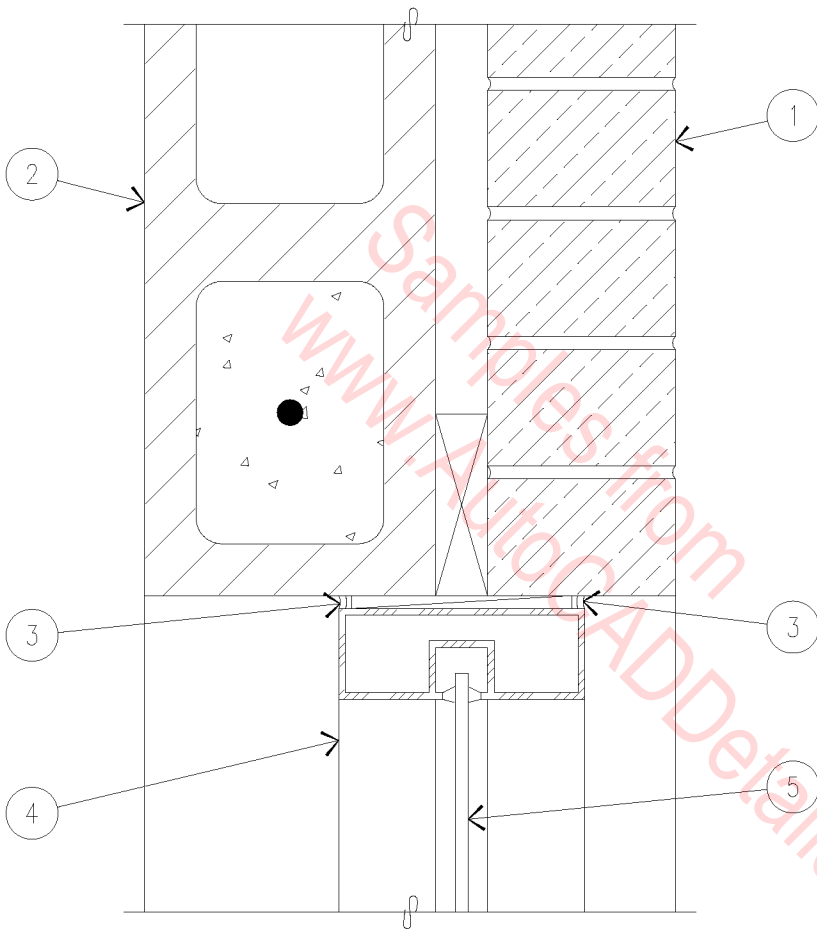
04A-2009



1. 6" CMU WALL - GROUT SOLID.
2. HOLLOW FRAME WITH JAMB ANCHORS - GROUT SOLID.
3. FACE BRICK.
4. CAVITY WALL INSULATION.
5. SILICONE SEALANT.


JAMB
 3" = 1'-0"

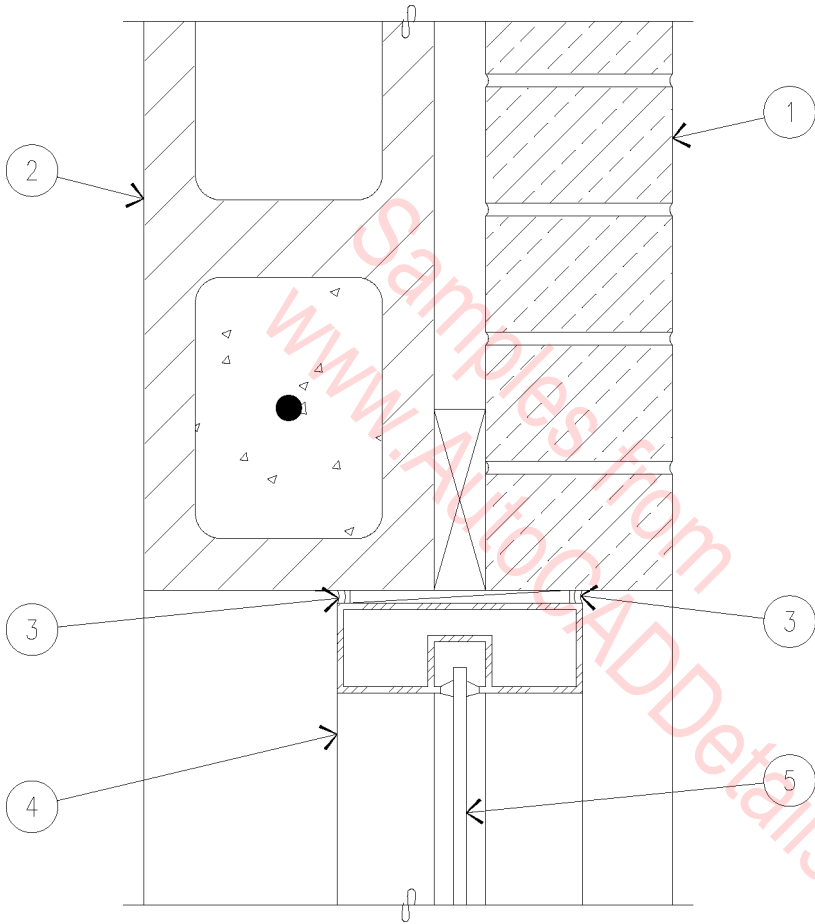
04A-2009



1. 4" FACE BRICK.
2. 6" CMU.
3. SEALANT AT BOTH SIDES OF FRAME.
4. ALUMINUM WINDOW.
5. 1/4" TEMPERED GLASS.

○ WINDOW JAMB
 3" = 1'-0"

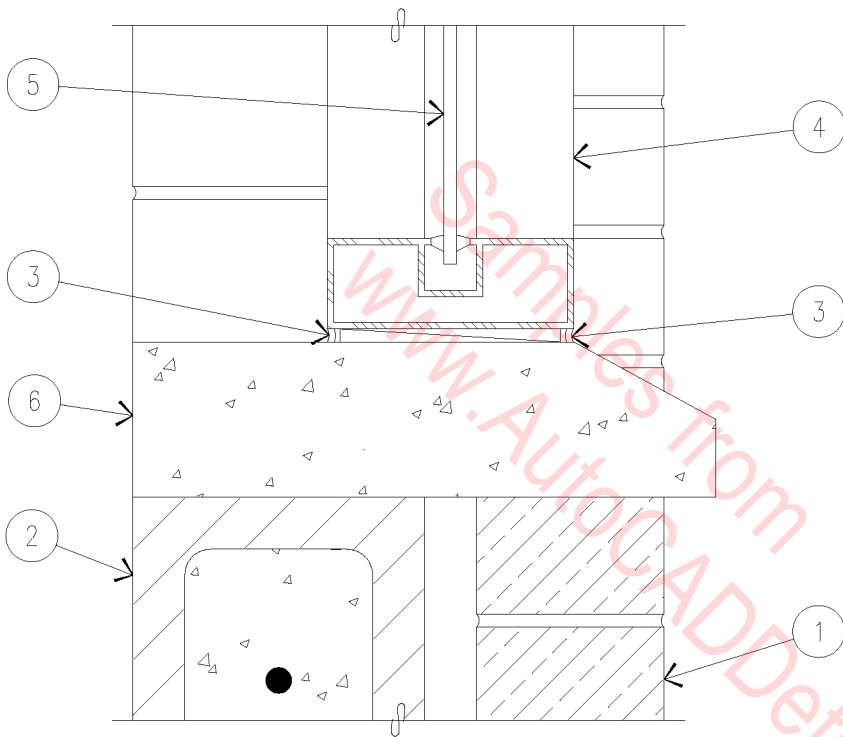
04A-2010



1. 4" FACE BRICK.
2. 6" CMU.
3. SEALANT AT BOTH SIDES OF FRAME.
4. ALUMINUM WINDOW.
5. 1/4" TEMPERED GLASS.


WINDOW JAMB
 3" = 1'-0"

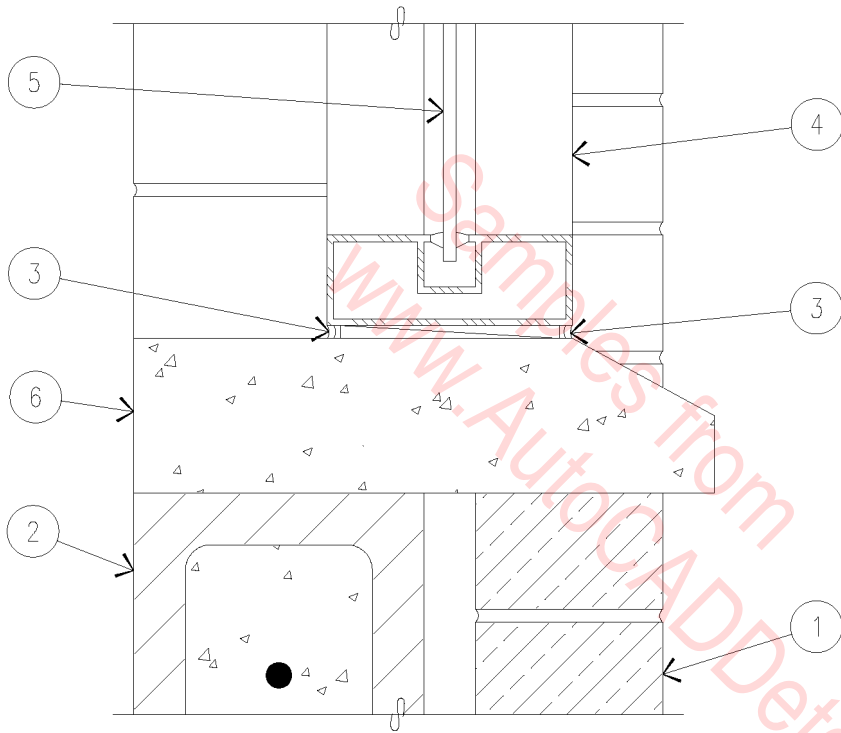
04A-2010



1. 4" FACE BRICK.
2. 6" CMU.
3. SEALANT AT BOTH SIDES OF FRAME.
4. ALUMINUM WINDOW.
5. 1/4" TEMPERED GLASS.
6. CONCRETE SILL.

○ WINDOW SILL
 3" = 1'-0"

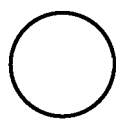
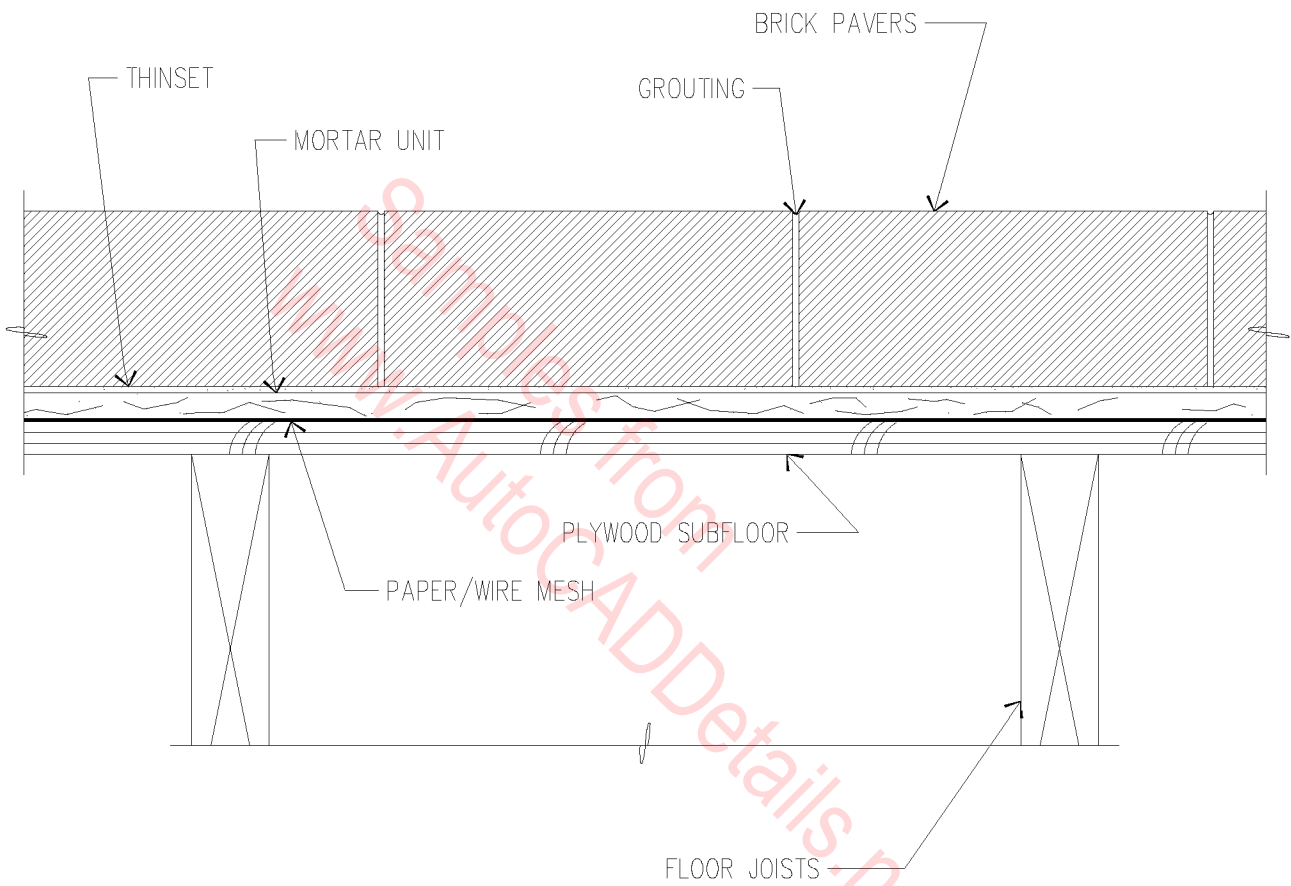
04A-2011



1. 4" FACE BRICK.
2. 6" CMU.
3. SEALANT AT BOTH SIDES OF FRAME.
4. ALUMINUM WINDOW.
5. 1/4" TEMPERED GLASS.
6. CONCRETE SILL.


 WINDOW SILL
 3" = 1'-0"

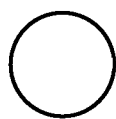
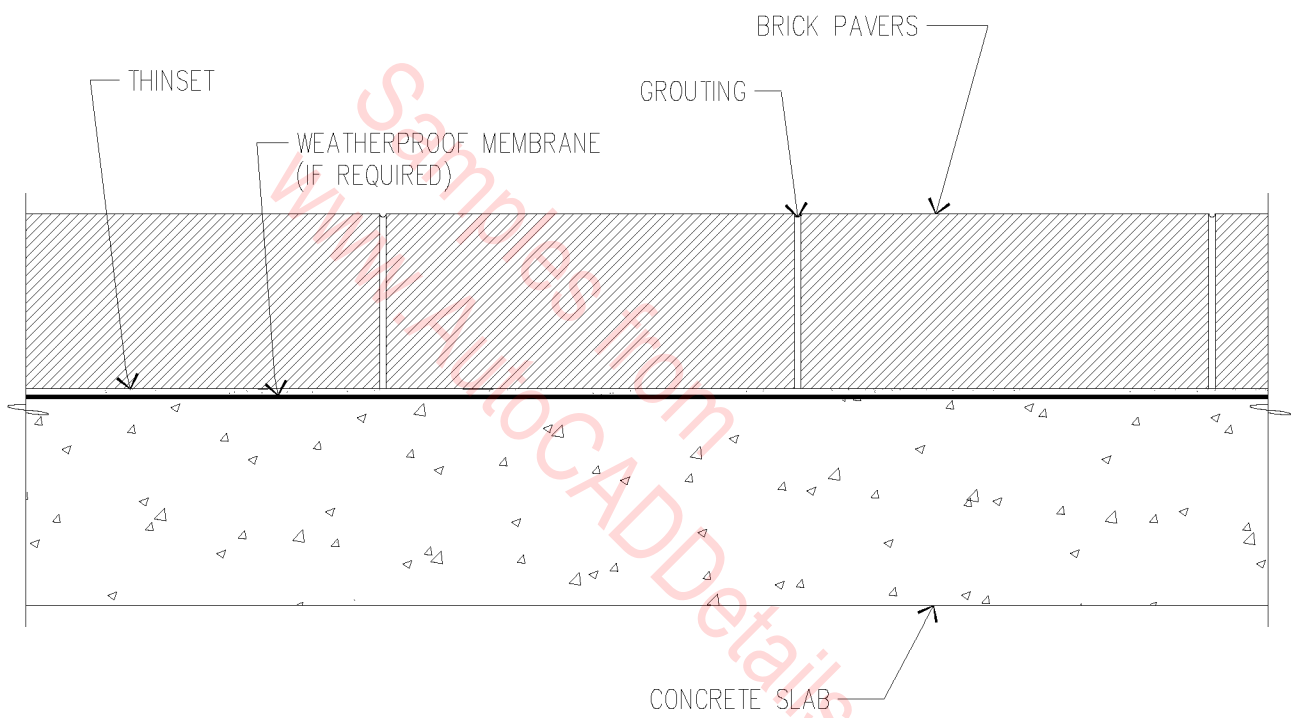
04A-2011



BRICK PAVERS

3" = 1'-0"

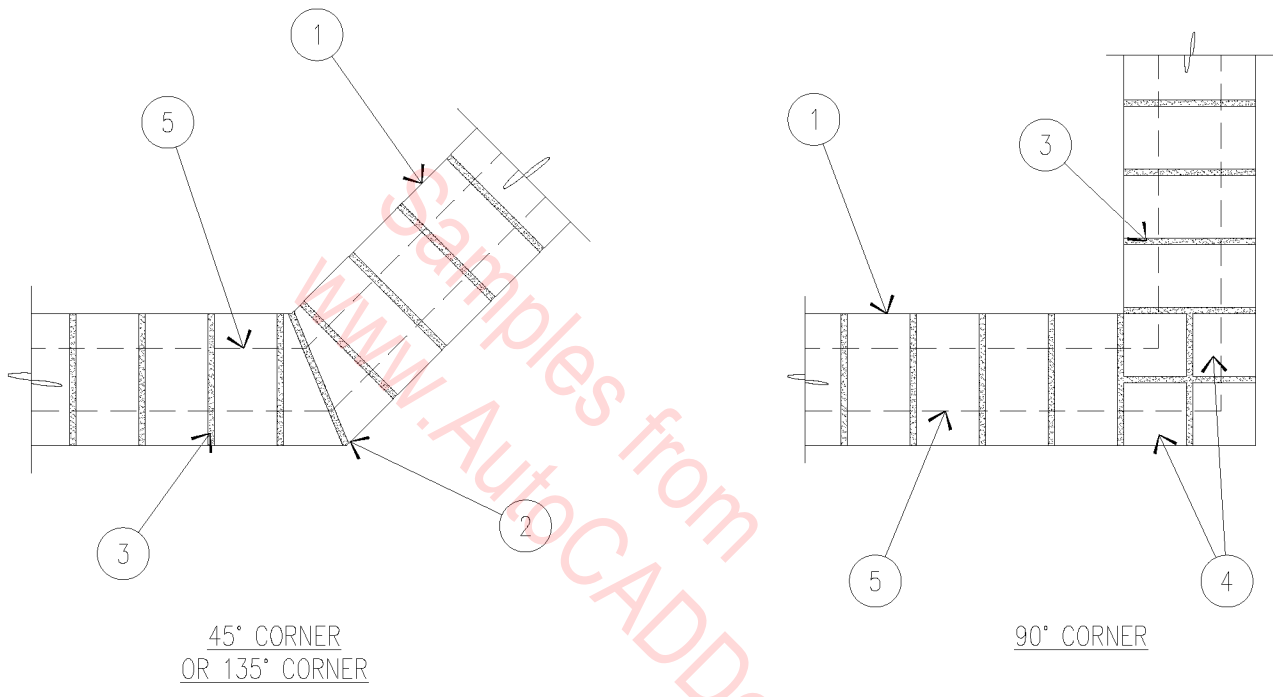
04A-5001



BRICK PAVERS

3" = 1'-0"

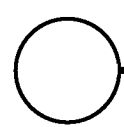
04A-5002



45° CORNER
OR 135° CORNER

90° CORNER

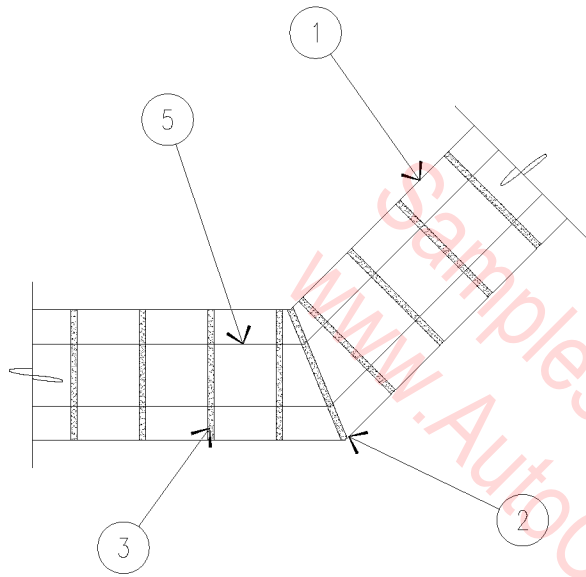
1. FLAT BRICK COURSE ON PLANTER WALL.
2. MITERED CORNERS.
3. GROUT JOINT.
4. 1/2 BRICK AT 90° CORNERS.
5. PLANTER WALL BELOW.



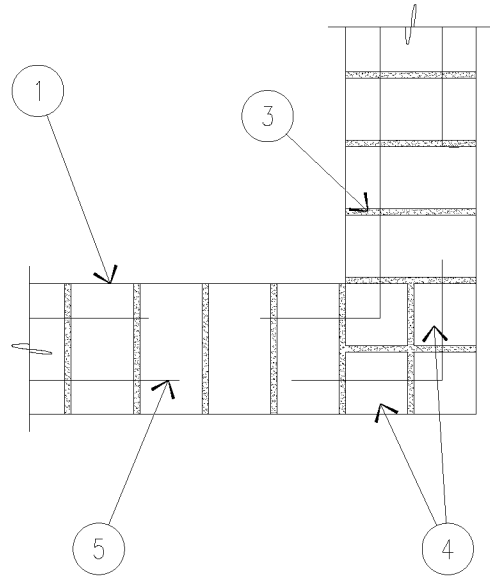
PLANTER CAP

1" = 1'-0"

04A-5003

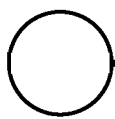


45° CORNER
OR 135° CORNER



90° CORNER

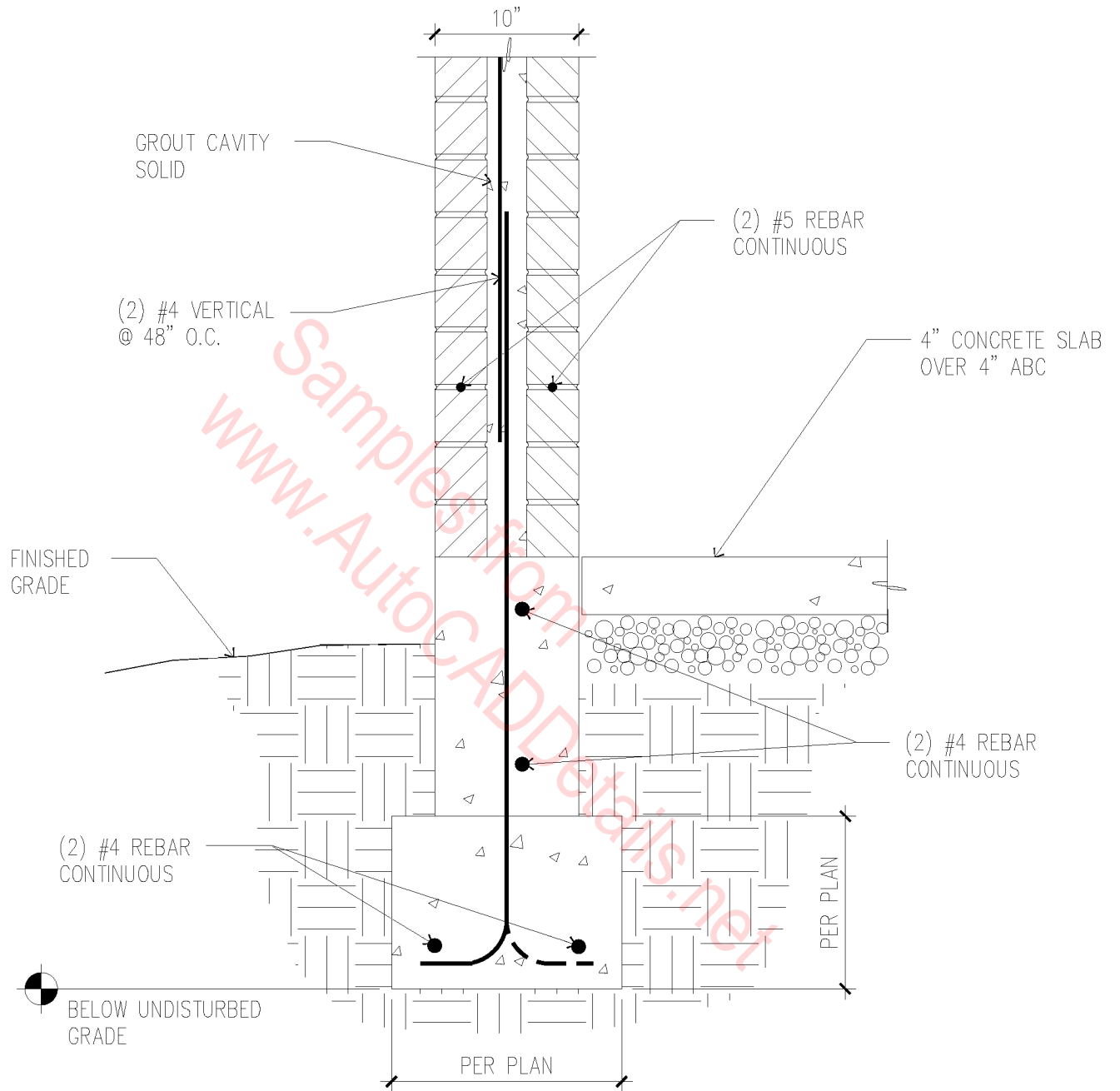
1. FLAT BRICK COURSE ON PLANTER WALL.
2. MITERED CORNERS.
3. GROUT JOINT.
4. 1/2 BRICK AT 90° CORNERS.
5. PLANTER WALL BELOW.



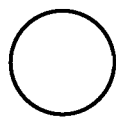
PLANTER CAP

1" = 1'-0"

04A-5003



LOAD BEARING BRICK WALL



1" = 1'-0"

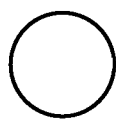
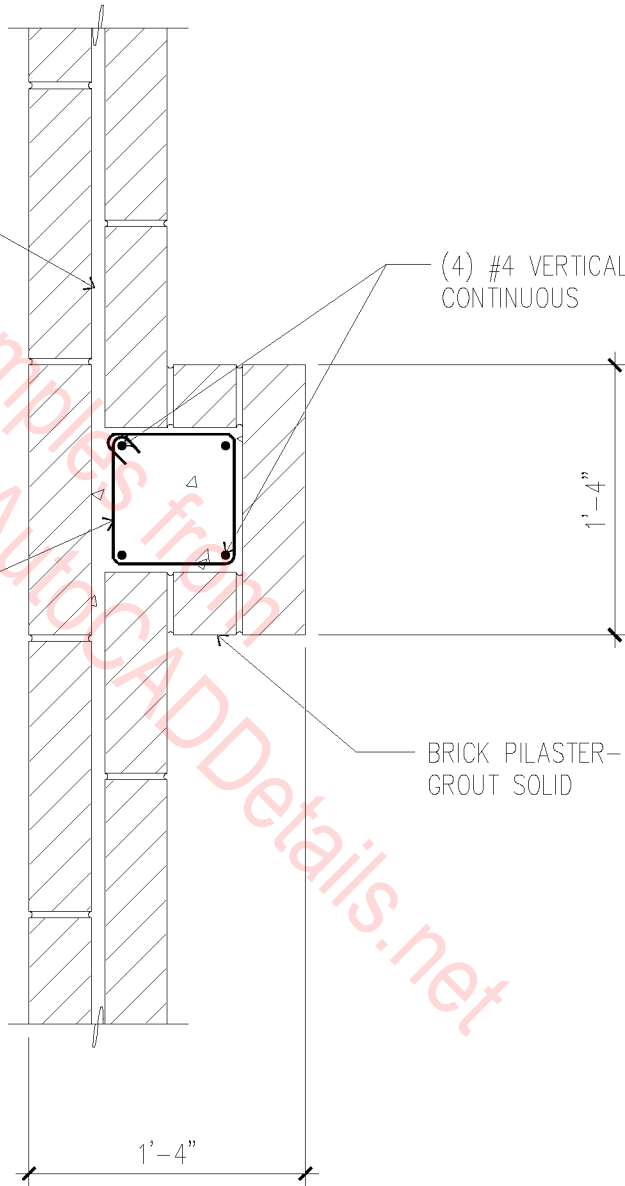
04A-1001

GROUT CAVITY
SOLID

(4) #4 VERTICAL
CONTINUOUS

(4) REBAR TIES
@ 48" O.C.

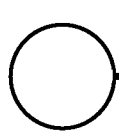
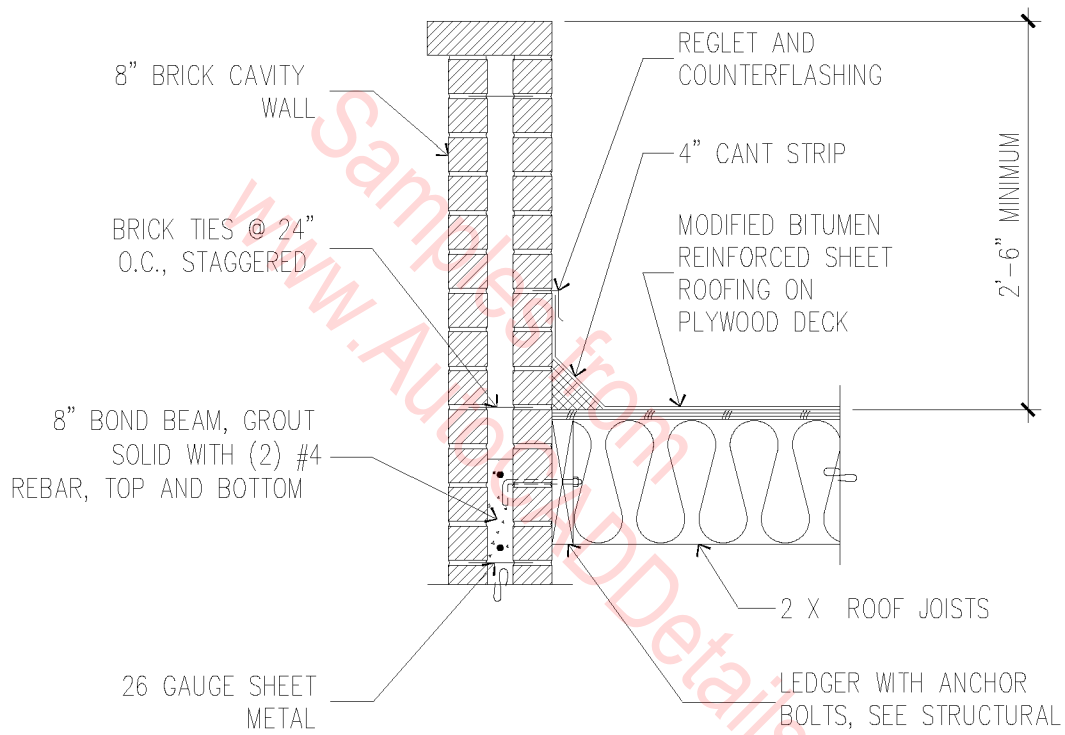
BRICK PILASTER-
GROUT SOLID



BRICK PILASTER

1" = 1'-0"

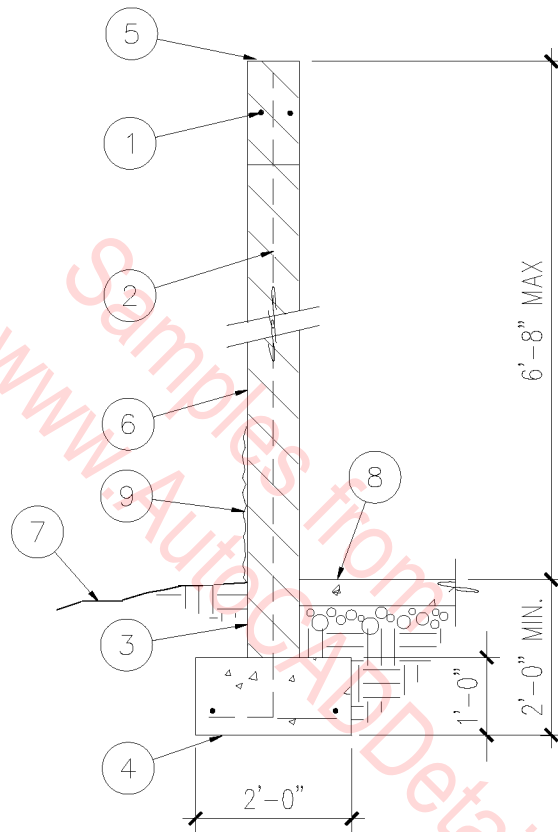
04A-1002



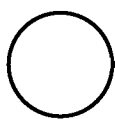
BRICK PARAPET WALL

3/4" = 1'-0"

04A-1003



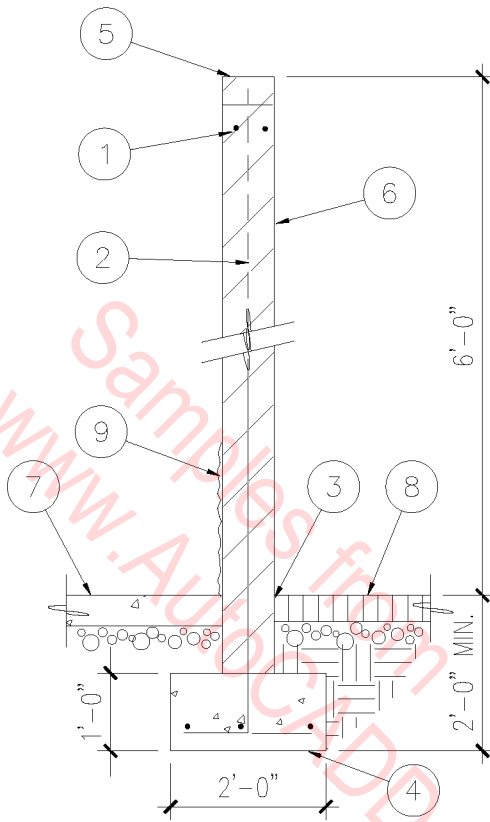
1. (2) #5 CONTINUOUS BOND BEAM.
2. #5 REBAR AT 48" O.C.
3. SOLID GROUT ALL CELLS BELOW GRADE.
4. CONTINUOUS FOOTING WITH (2) #4 REBARS CONTINUOUS.
5. SOLID BOTTOM LINTEL BLOCK TURNED UPSIDE DOWN.
6. 8 X 8 X 16 CMU - PAINTED.
7. FINISH GRADE.
8. 5" CONCRETE SLAB ON 4" A.B.C.
9. 8 X 8 X 16 SPLITFACE CMU.



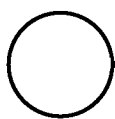
MASONRY WALL

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

04B-1001



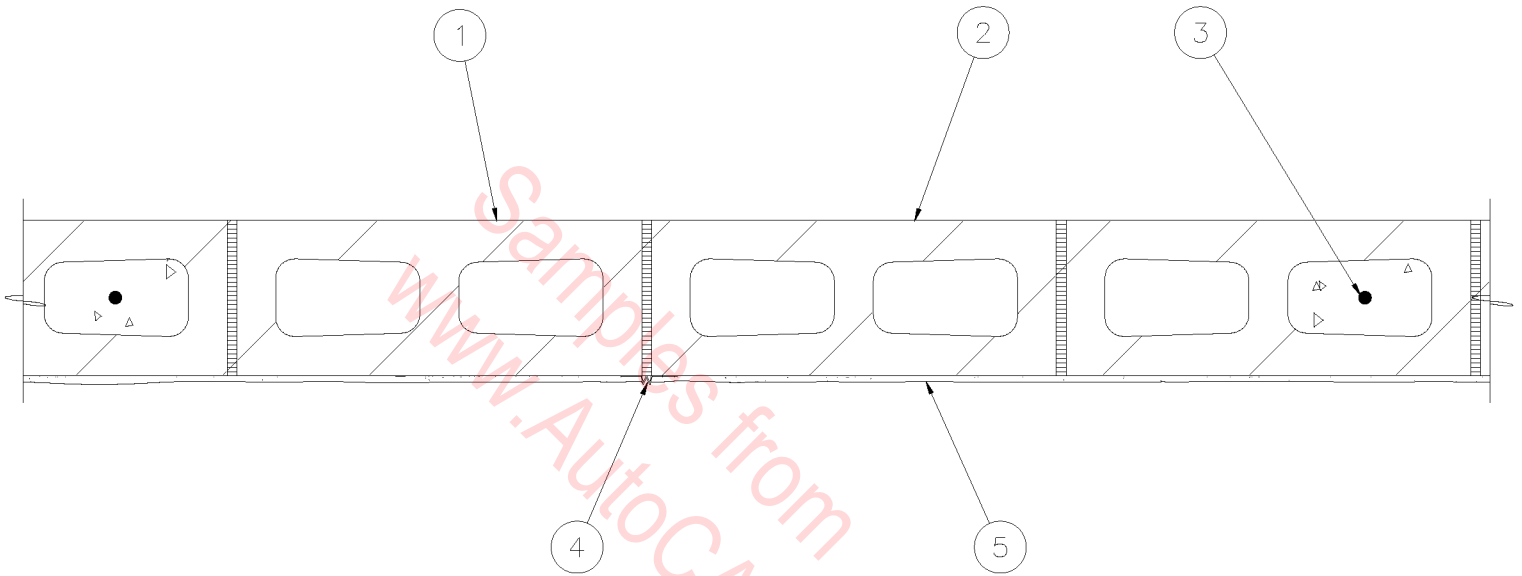
1. (2) #5 REBARS CONTINUOUS @ BOND BEAM.
2. #5 REBAR AT 48" O.C.
3. SOLID GROUT ALL CELLS BELOW GRADE.
4. CONTINUOUS FOOTING WITH (3) #4 REBARS CONTINUOUS.
5. SOLID BOTTOM LINTEL BLOCK TURNED UPSIDE DOWN - PAINTED.
6. 8 X 8 X 16 CMU - PAINTED.
7. CONCRETE SLAB ON A.B.C.
8. ASPHALTIC CONCRETE PAVEMENT OVER A.B.C.
9. WAINSCOT OF 8 X 8 X 16 SPLITFACE CMU.



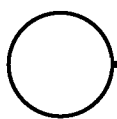
MASONRY WALL

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

04B-1002



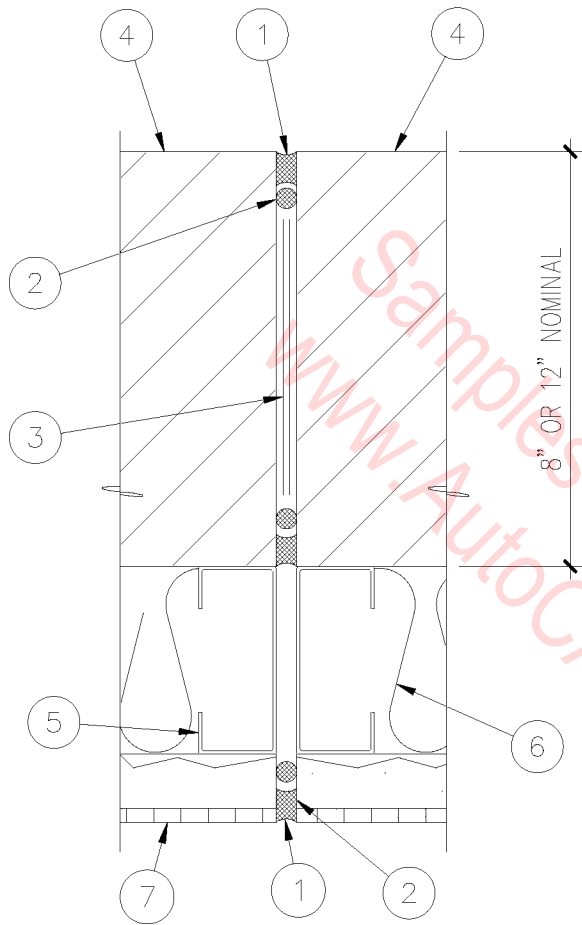
1. 6" CMU SCREEN WALL.
2. CMU TO BE SEALED AND PAINTED ON ONE SIDE ONLY.
3. #4 REBAR FULL HEIGHT AND GROUT SOLID @ 48' O.C.
4. EXPANSION JOINT.
5. STUCCO FINISH OR SPLIT FACE CMU.



CMU SCREEN WALL

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

04B-1003

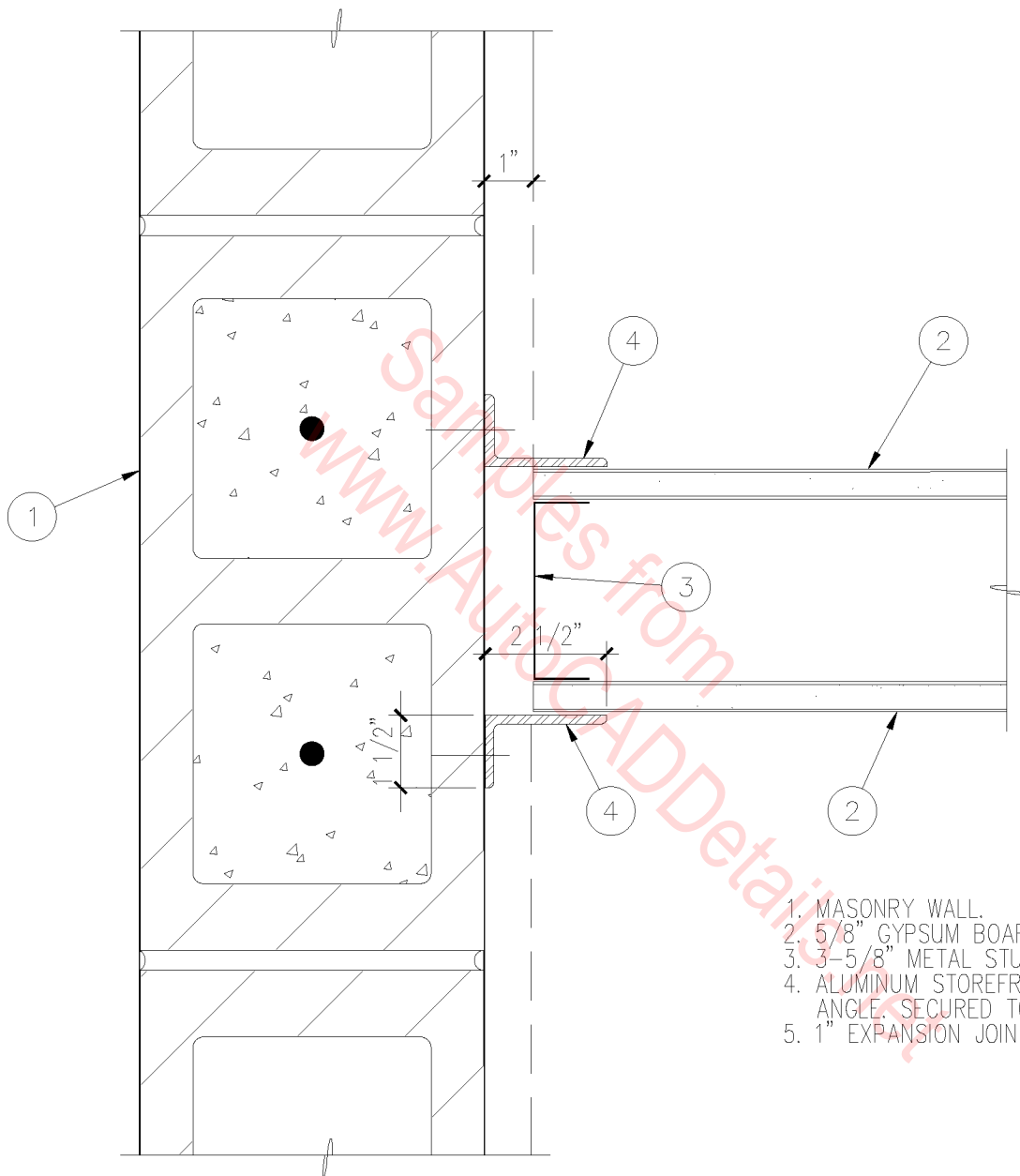


1. SEALANT.
2. JOINT FILLER.
3. PREMOLDED CONTROL JOINT.
4. MASONRY WALL.
5. METAL STUDS.
6. R-11 BATT INSULATION.
7. 1/4" CERAMIC TILE ON
1" CEMENT MORTAR
SETTING BED ON
METAL LATH.

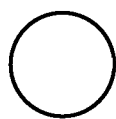
EXPANSION JOINT @ FURRED C.M.U. WALL

3" = 1'-0"

04B-1004



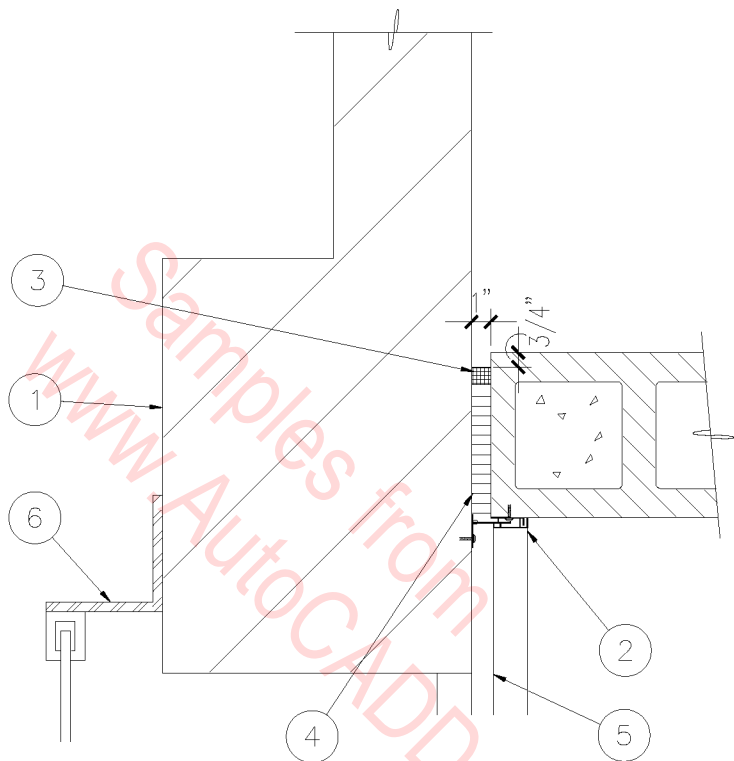
1. MASONRY WALL.
2. 5/8" GYPSUM BOARD.
3. 3-5/8" METAL STUD.
4. ALUMINUM STOREFRONT BREAK METAL ANGLE, SECURED TO MASONRY ONLY.
5. 1" EXPANSION JOINT.



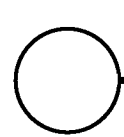
SLIP JOINT

SCALE: 3" = 1'-0"

04B-1005



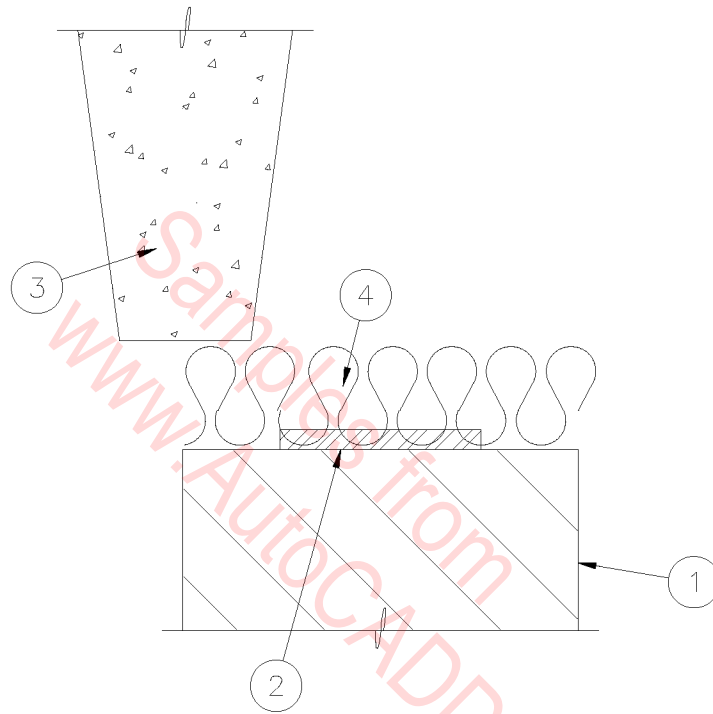
1. SOLID GROUTED CMU.
2. "BALCO" 6000 SERIES EXPANSION JOINT TYPE 6TWC-1.
3. PRE-MANUFACTURED COMPRESSIBLE EXPANSION JOINT FILLER.
4. FILL EXPANSION JOINT VOID W/ BATT INSULATION.
5. FLOOR EXPANSION JOINT BELOW.
6. ROLLING STEEL DOOR JAMB. SEE DOOR SCHEDULE.



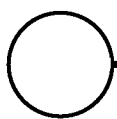
EXP. JOINT @ CMU WALL

SCALE: 1" = 1'-0"

04B-1006



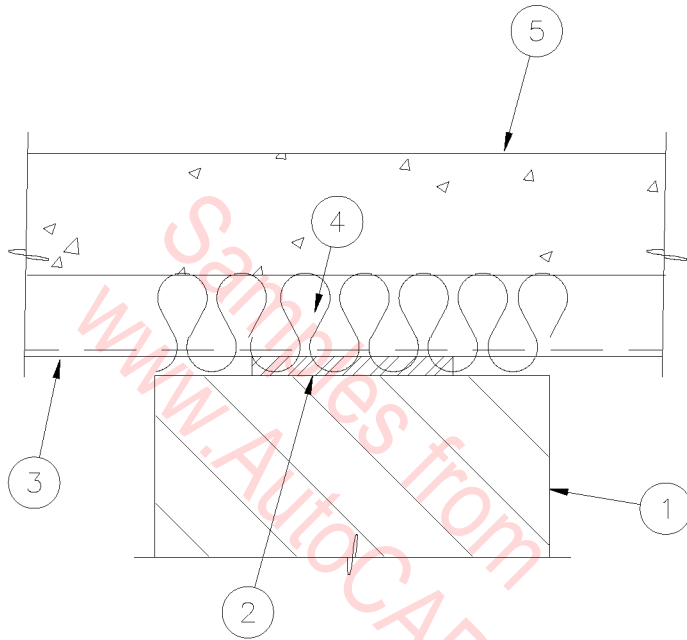
1. MASONRY WALL.
2. WELD PLATE.
3. CONCRETE TEES
PARALLEL TO WALL.
4. FIRE SAFING MATERIAL.



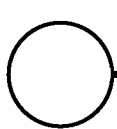
WALL @ CONCRETE TEE

SCALE: 1" = 1'-0"

04B-1007



1. MASONRY WALL.
2. WELD PLATE.
3. METAL DECK, FLUTES
PERPENDICULAR TO WALL.
4. FIRE SAFING MATERIAL.
5. CONCRETE FLOOR SLAB.

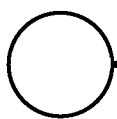
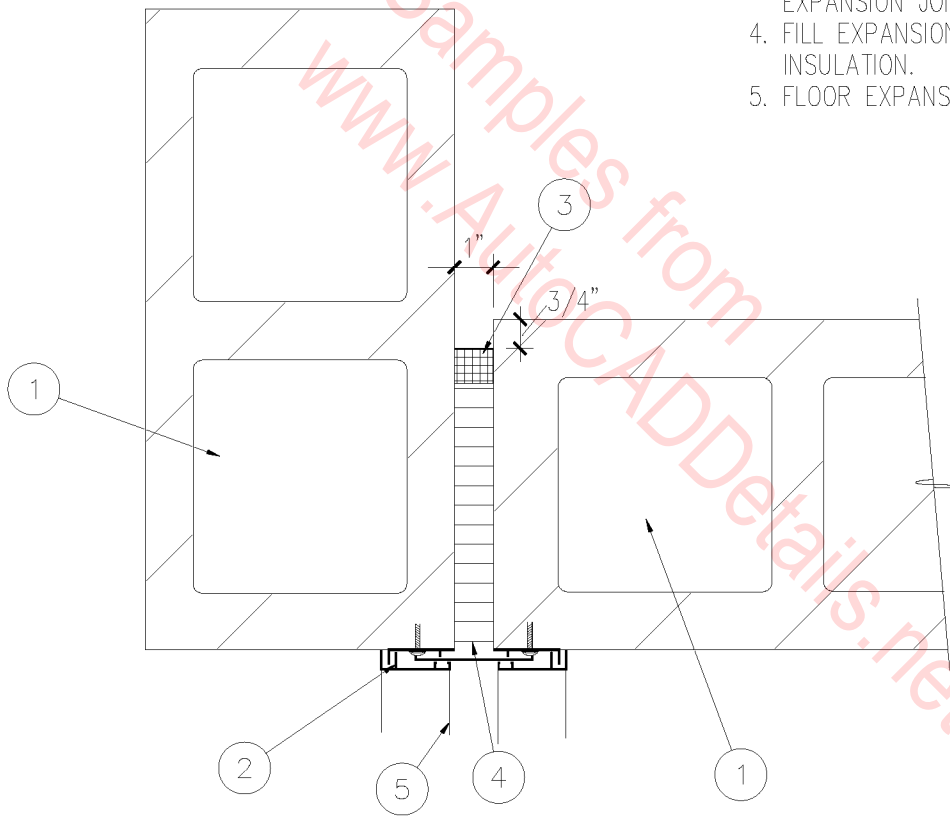


CMU WALL @ ROOF DECK

SCALE: 1" = 1'-0"

04B-1008

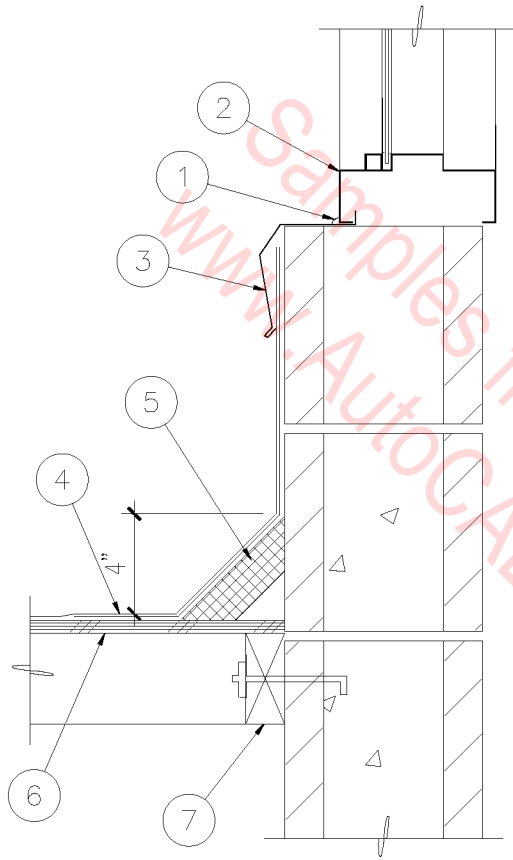
1. SOLID GROUTED CMU.
2. "BALCO" 6000 SERIES EXPANSION JOINT TYPE 6TW-1.
3. PRE-MANUFACTURED COMPRESSIBLE EXPANSION JOINT FILLER.
4. FILL EXPANSION JOINT VOID W/ BATT INSULATION.
5. FLOOR EXPANSION JOINT BELOW.



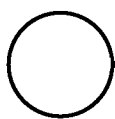
CMU EXPANSION JOINT

SCALE: 1" = 1'-0"

04B-1009



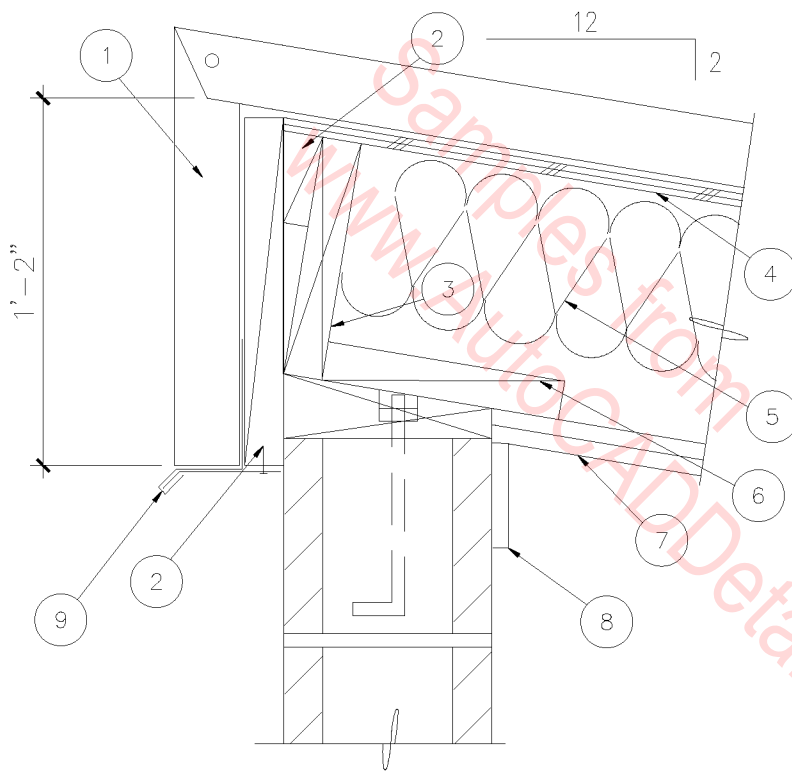
1. SEALANT.
2. HOLLOW METAL FRAME.
3. 26 GAUGE GALVANIZED SHEET METAL COUNTERFLASHING.
4. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
5. 4" CANT STRIP.
6. PLYWOOD ROOF DECK.
7. 2 X 4 FIRE RETARDANT WOOD LEDGER, CONTINUOUS.



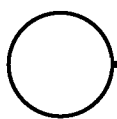
FLASHING AT WINDOW

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

04B-1010



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

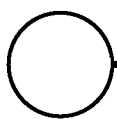
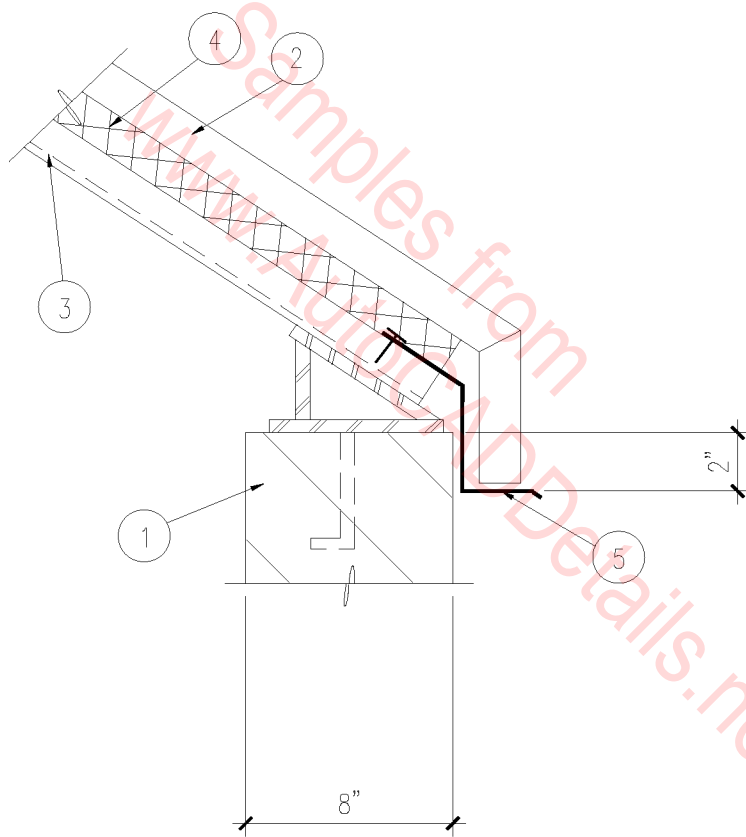


METAL ROOF FASCIA

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

04B-1011

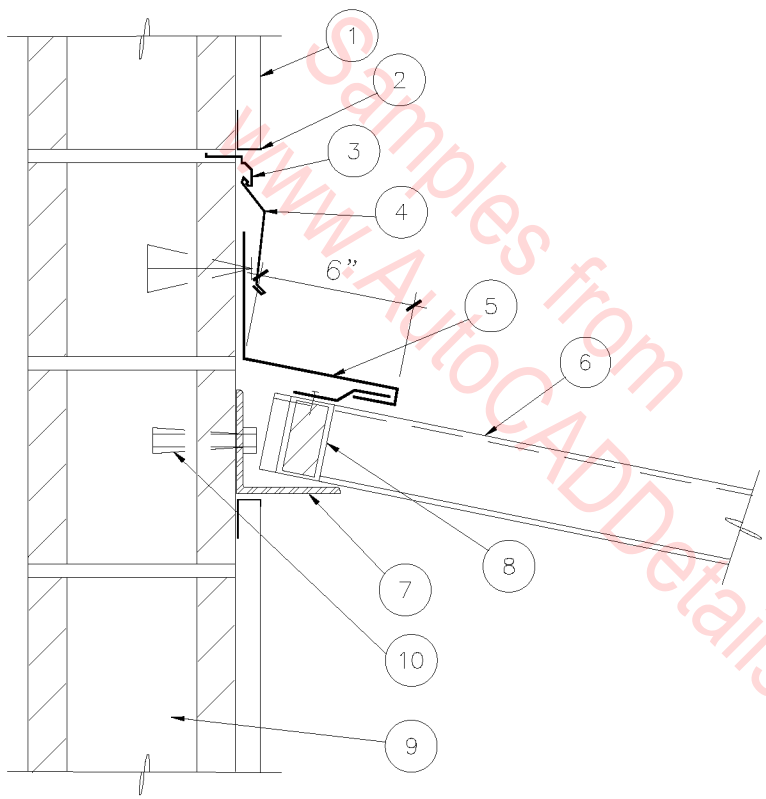
1. MASONRY WALL.
2. METAL ROOFING.
3. METAL DECK.
4. RIGID INSULATION.
5. 24 GA. DRIP EDGE.



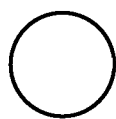
METAL ROOF OVERHANG

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

04B-1012



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

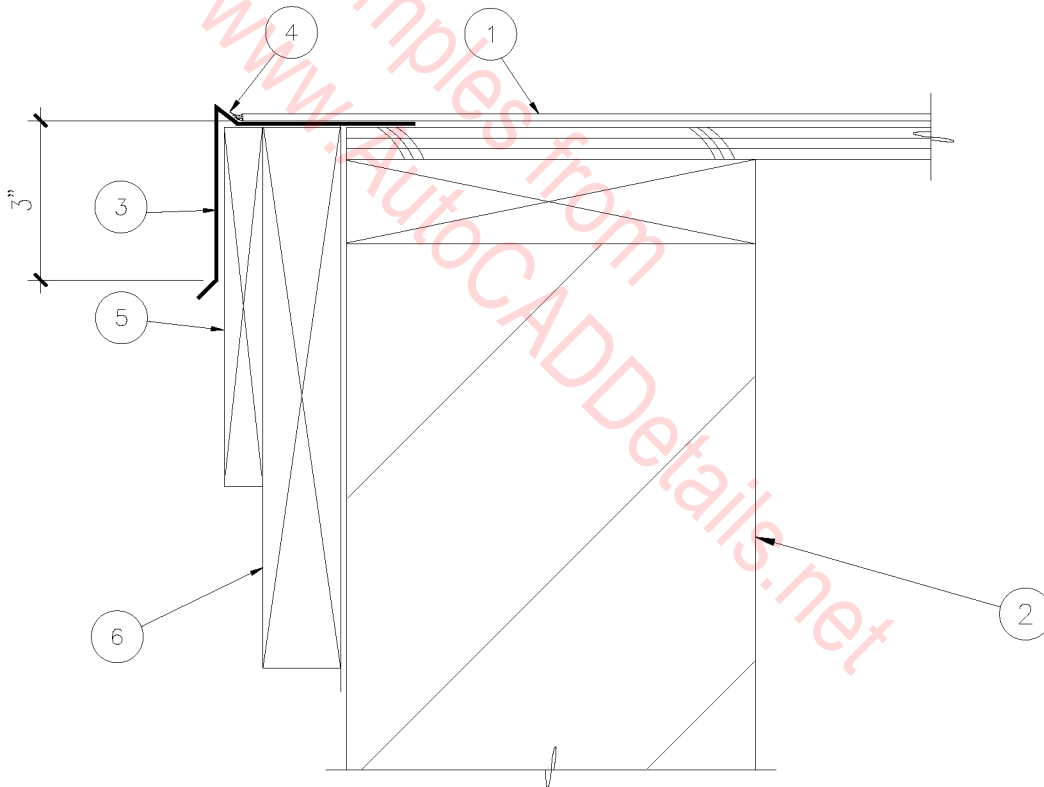


METAL DECK ROOF EDGE

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

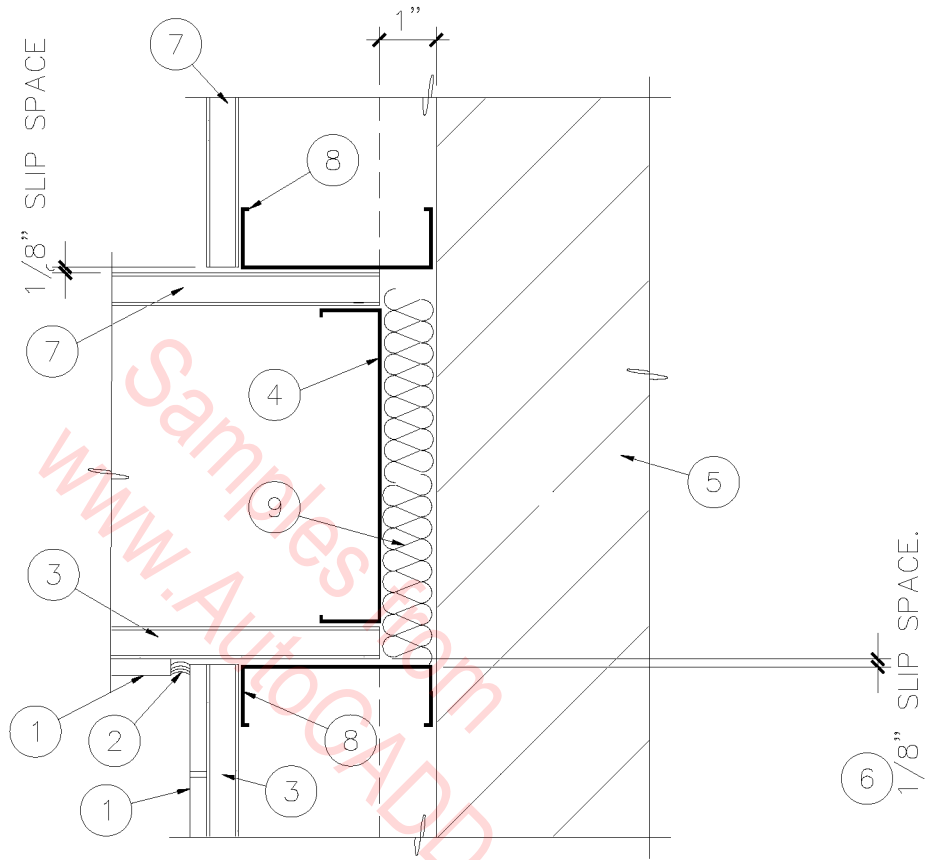
04B-1013

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

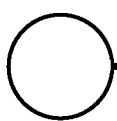


○ ROOF OVERHANG
3" = 1'-0"

04B-1014



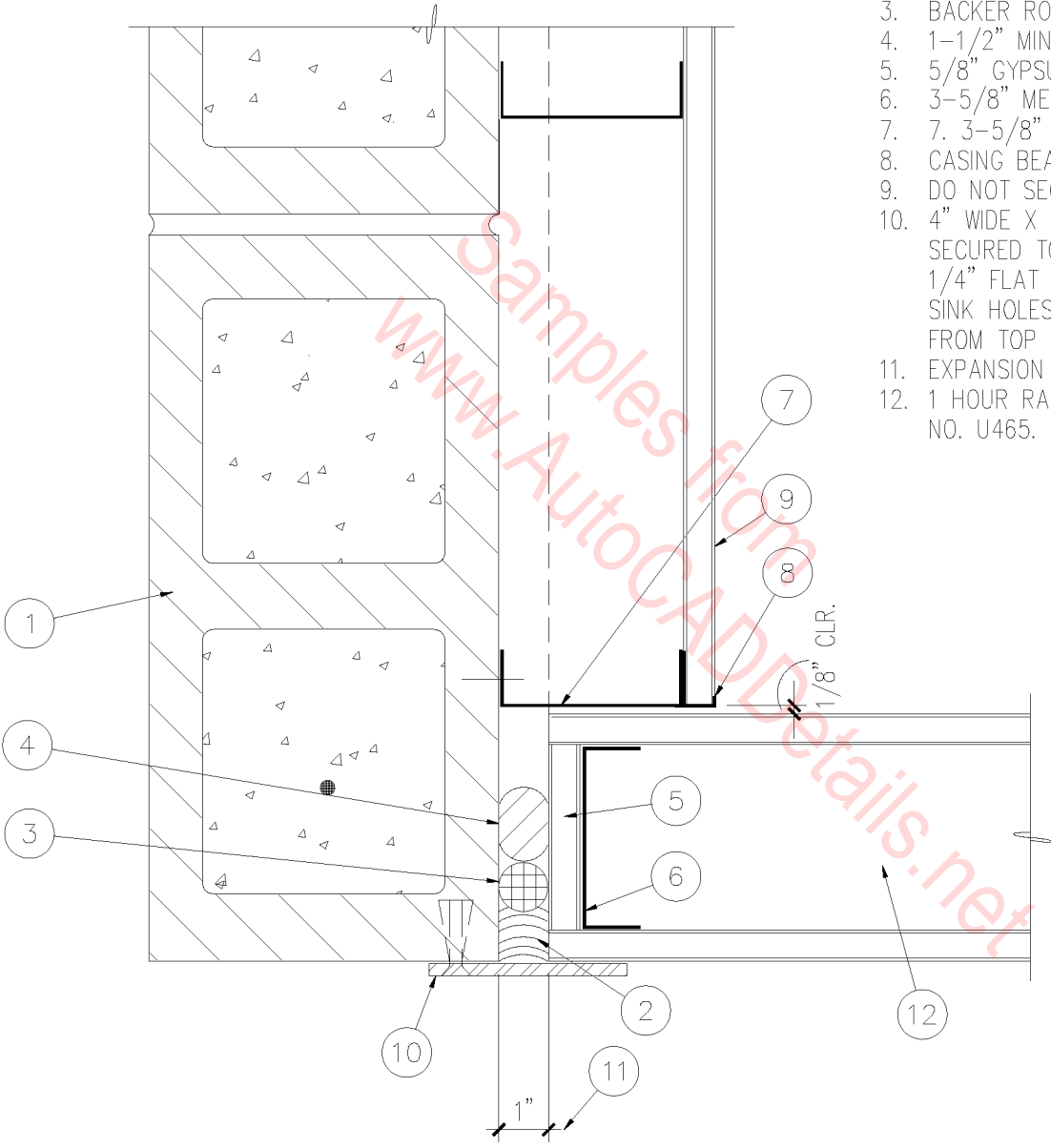
1. CERAMIC TILE.
2. SEALANT.
3. 5/8" MOISTURE-RESISTANT GYPSUM BOARD.
4. METAL STUD. DO NOT ATTACH TO MASONRY WALL.
5. MASONRY WALL.
6. EXPANSION JOINT SPACE.
7. 5/8" TYPE 'X' GYPSUM BOARD.
8. METAL STUDS.
9. FIRE SAFING MATERIAL.



1 HOUR EXPANSION JOINT

SCALE: 3" = 1'-0"

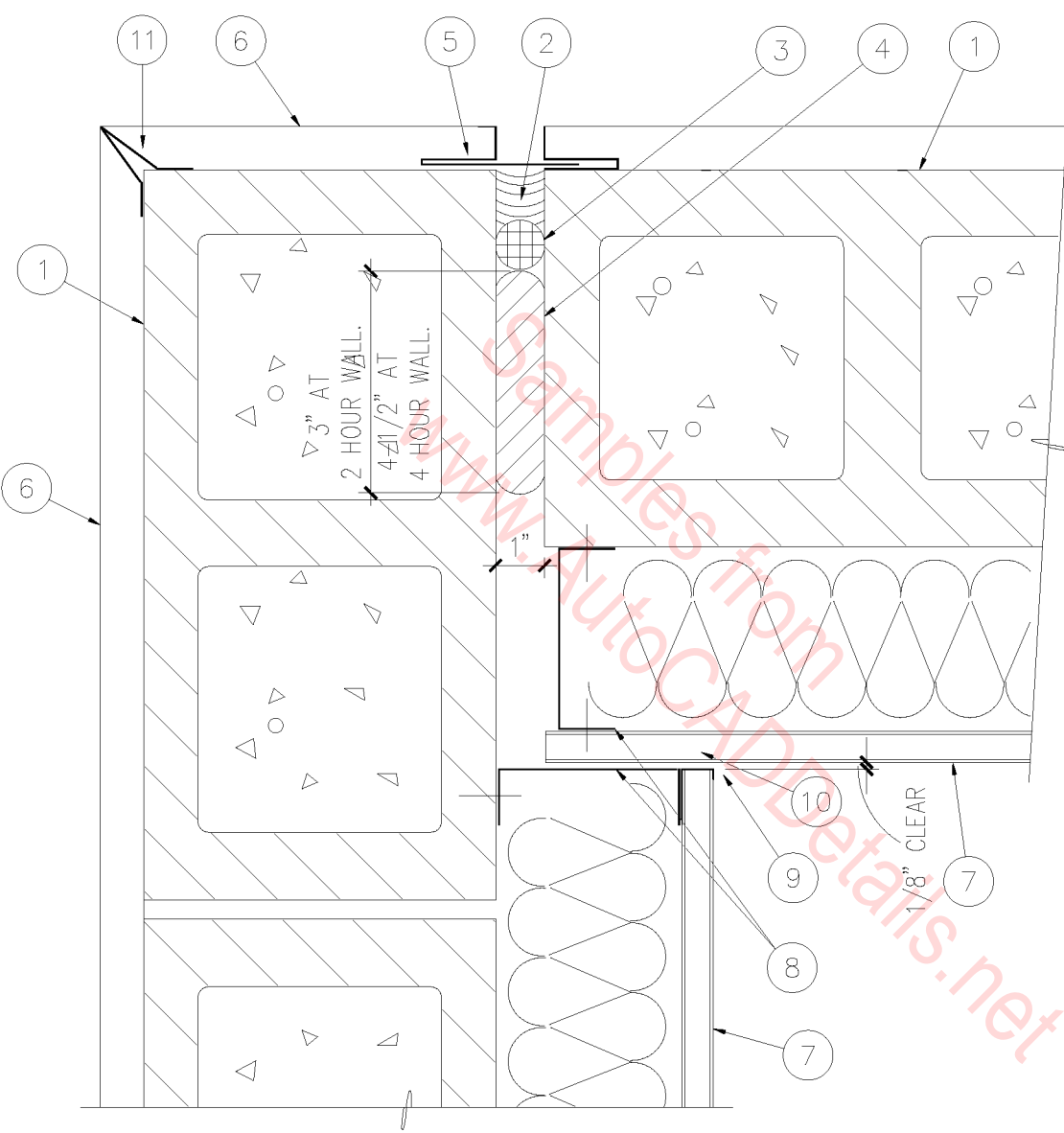
04B-1015



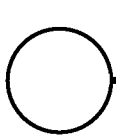
1. MASONRY WALL.
2. SEALANT, 7/8" MIN. DEPTH.
3. BACKER ROD.
4. 1-1/2" MIN. CERAMIC FIBER BLANKET INSULATION.
5. 5/8" GYPSUM BOARD. WRAP AROUND END STUD.
6. 3-5/8" METAL STUD.
7. 3-5/8" METAL STUD. SECURE TO MASONRY.
8. CASING BEAD.
9. DO NOT SECURE WALLS TOGETHER AT CORNER.
10. 4" WIDE X 1/4" THICK STEEL PLATE CLOSURE. SECURED TO MASONRY AT ONE SIDE ONLY WITH 1/4" FLAT HEAD EXPANSION SCREWS IN COUNTER-SINK HOLES AT 24" O.C. PLATE CONTINUOUS FROM TOP OF BASE TO CEILING.
11. EXPANSION JOINT.
12. 1 HOUR RATED CONSTRUCTION PER UL DESIGN NO. U465.

○
1 HOUR EXPANSION JOINT
 3" = 1'-0"

04B-1016



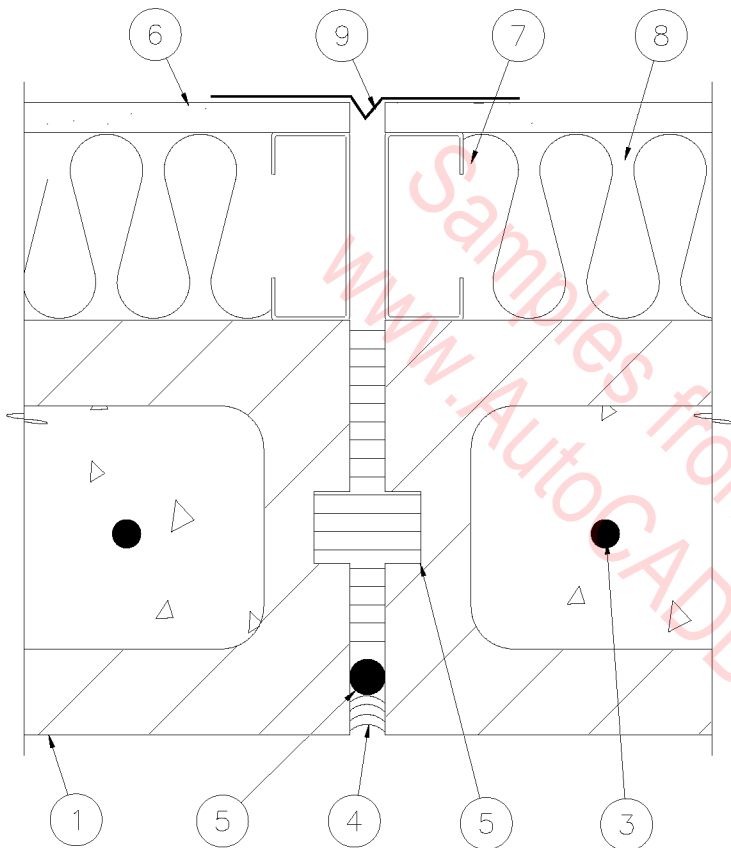
1. MASONRY WALL.
2. SEALANT, 7/8" MIN. DEPTH.
3. BACKER ROD.
4. CERAMIC FIBER BLANKET INSULATION.
5. PLASTER SLIP JOINT.
6. CEMENT PLASTER.
7. 5/8" "X" GYPSUM BOARD.
8. 3-5/8" METAL STUDS. SECURE TO MASONRY.
9. CASING BEAD.
10. DO NOT SECURE FURRED WALLS TOGETHER AT CORNER.
11. PLASTER CORNER BEAD.



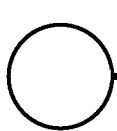
2 & 4 HOUR EXP. JOINT

SCALE: 3" = 1'-0"

04B-1017



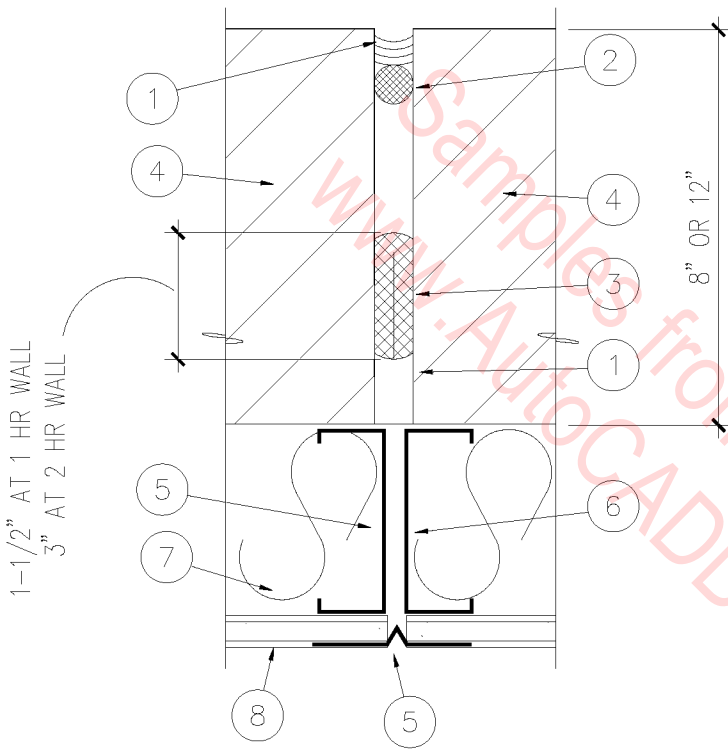
1. MASONRY WALL.
2. EXPANSION JOINT MATERIAL.
3. FULLY GROUTED CELL BOTH SIDES OF JOINT.
4. SEALANT.
5. BACKER ROD.
6. WALL FINISH AS SCHEDULED.
7. METAL STUDS.
8. BATT INSULATION.
9. GYPSUM BOARD CONTROL JOINT.



MASONRY CONTROL JOINT

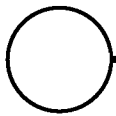
3" = 1'-0"

04B-1018



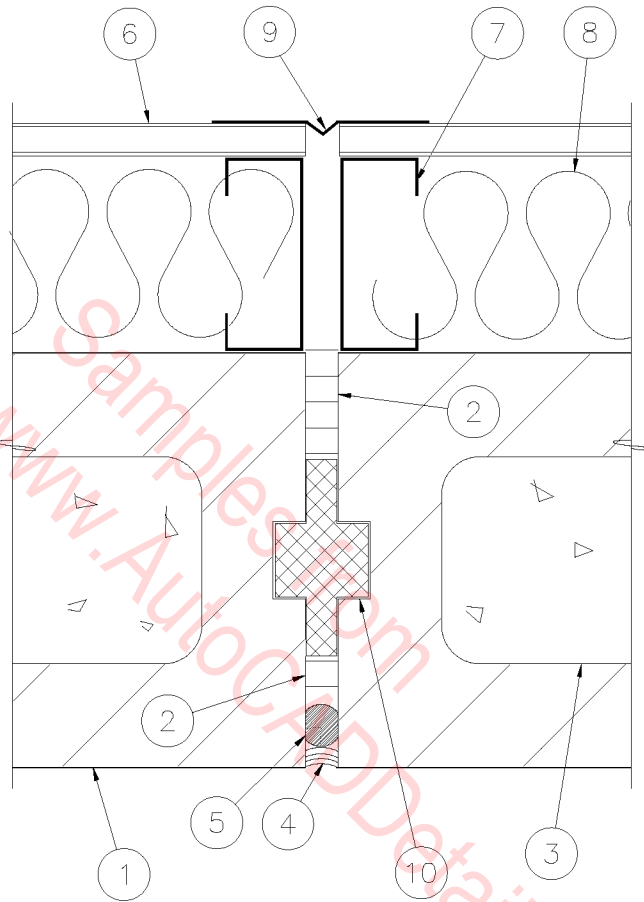
1. FIRE STOPPING SEALANT, 'TREMCO' DYMETRIC, POLYTREMDYNE TERPOLYMER.
2. JOINT FILLER - POLYETHYLENE CLOSED-CELL FOAM, BY 'DOW CHEMICAL'.
3. 'CERABLANKET-FS' - CERAMIC FIBER BLANKET INSULATION, BY 'JOHNS-MANVILLE'.
4. CMU WALL.
5. METAL CONTROL JOINT.
6. METAL STUDS.
7. R-11 BATT INSULATION.
8. 5/8"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

1 & 2 HOUR CONTROL JOINT

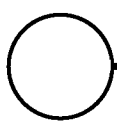


3" = 1'-0"

04B-1019



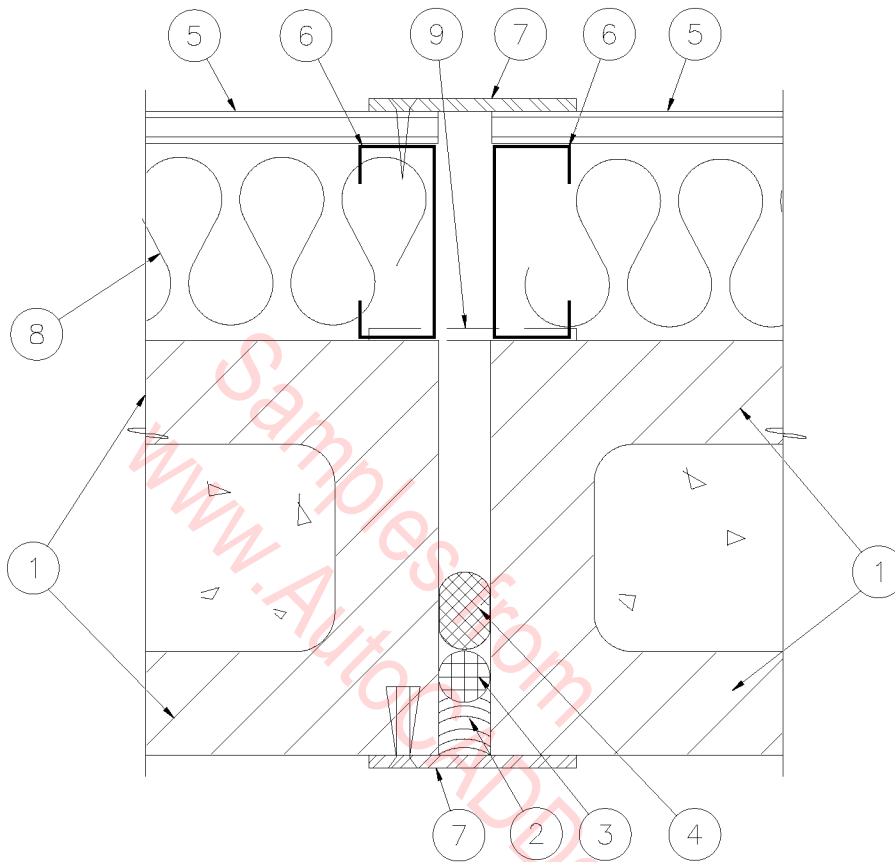
1. MASONRY.
2. COMPRESSIBLE JOINT MATERIAL.
3. FULLY GROUTED CELL BOTH SIDES OF JOINT.
4. SEALANT.
5. BACKER ROD.
6. WALL FINISH AS SCHEDULED.
7. METAL STUDS.
8. BATT INSULATION.
9. GYPSUM BOARD CONTROL JOINT.
10. PREMOLDED NEOPRENE GASKET.



MASONRY CONTROL JOINT

SCALE: 3" = 1'-0"

04B-1020



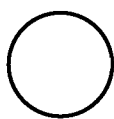
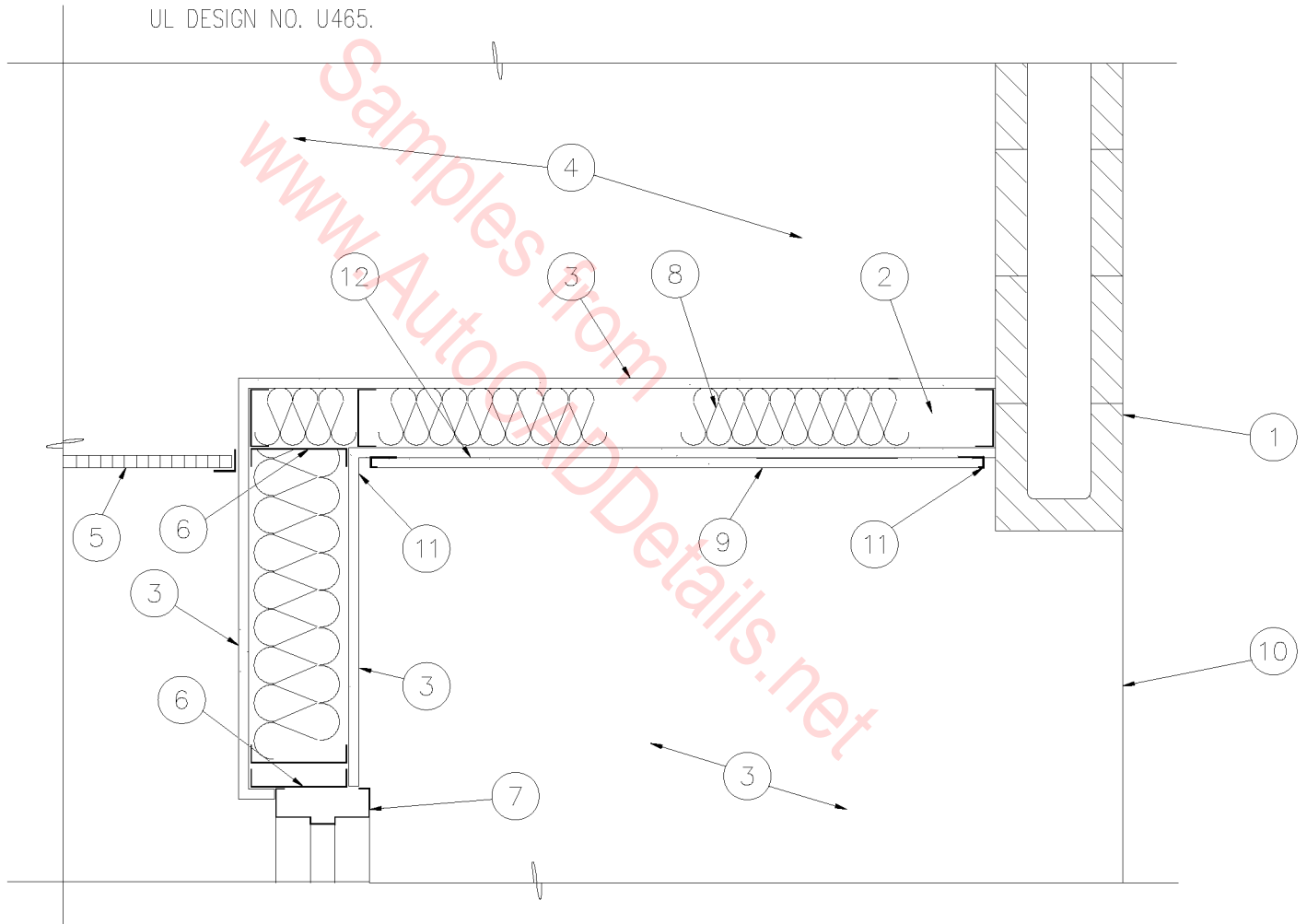
1. MASONRY WALL.
2. SEALANT, 7/8" MIN. DEPTH.
3. BACKER ROD.
4. CERAMIC FIBER BLANKET INSULATION: 1-1/2" AT 1 HOUR WALL, 4-1/2" AT 4 HOUR RATED WALL.
5. 5/8" TYPE 'X' GYPSUM BOARD WHERE OCCURS.
6. 3-5/8" METAL STUDS, WHERE OCCURS.
7. 4" WIDE X 1/4" THICK STEEL PLATE CLOSURE. SECURE AT EXTERIOR WITH 1/4" FLAT HEAD EXPANSION ANCHORS IN COUNTERSUNK HOLES AT 24" O.C. SECURE AT INTERIOR WITH #12 SHEET METAL SCREWS AT 6" O.C. IN COUNTERSUNK HOLES. SECURE AT ONE SIDE OF EXPANSION JOINT ONLY.
8. WALL INSULATION BATTS, WHERE OCCURS.
9. STEEL CLOSURE LOCATION AT INTERIOR MASONRY CONDITION.

2 & 4 HOUR EXPANSION JOINT

3" = 1'-0"

04B-1021

- | | |
|--|---|
| 1. MASONRY WALL. | 7. HOLLOW METAL FRAME. |
| 2. 3-5/8" X 18 GAUGE METAL STUDS AT 16" O.C. | 8. FULL SOUND DEADENING INSULATION. |
| 3. 5/8" TYPE 'X' GYPSUM BOARD. | 9. (2) LAYERS OF 1/2" TYPE 'X' GYPSUM BOARD. |
| 4. 1 HOUR WALL SYSTEM. UL DESIGN NO. U465, WHERE OCCURS. | 10. EDGE OF WALL BEYOND. |
| 5. ACOUSTICAL CEILING. | 11. 1/2" REVEAL. |
| 6. 6" METAL STUDS AT 16" O.C. UL DESIGN NO. U465. | 12. 1 HOUR CEILING SIMILAR TO UL DESIGN NO. L524. |

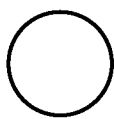
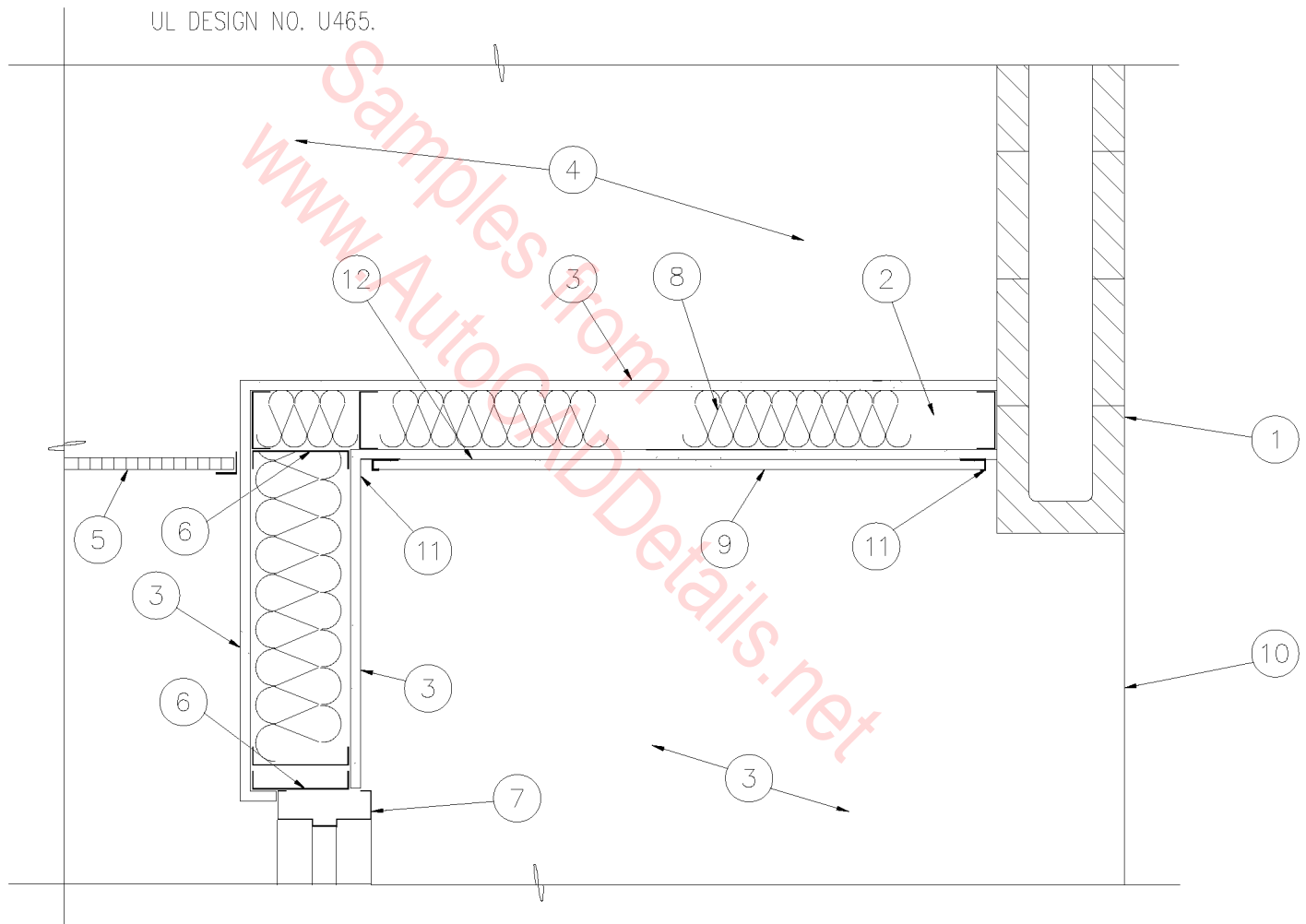


DOOR ALCOVE SECTION

SCALE: 1" = 1'-0"

04B-1022

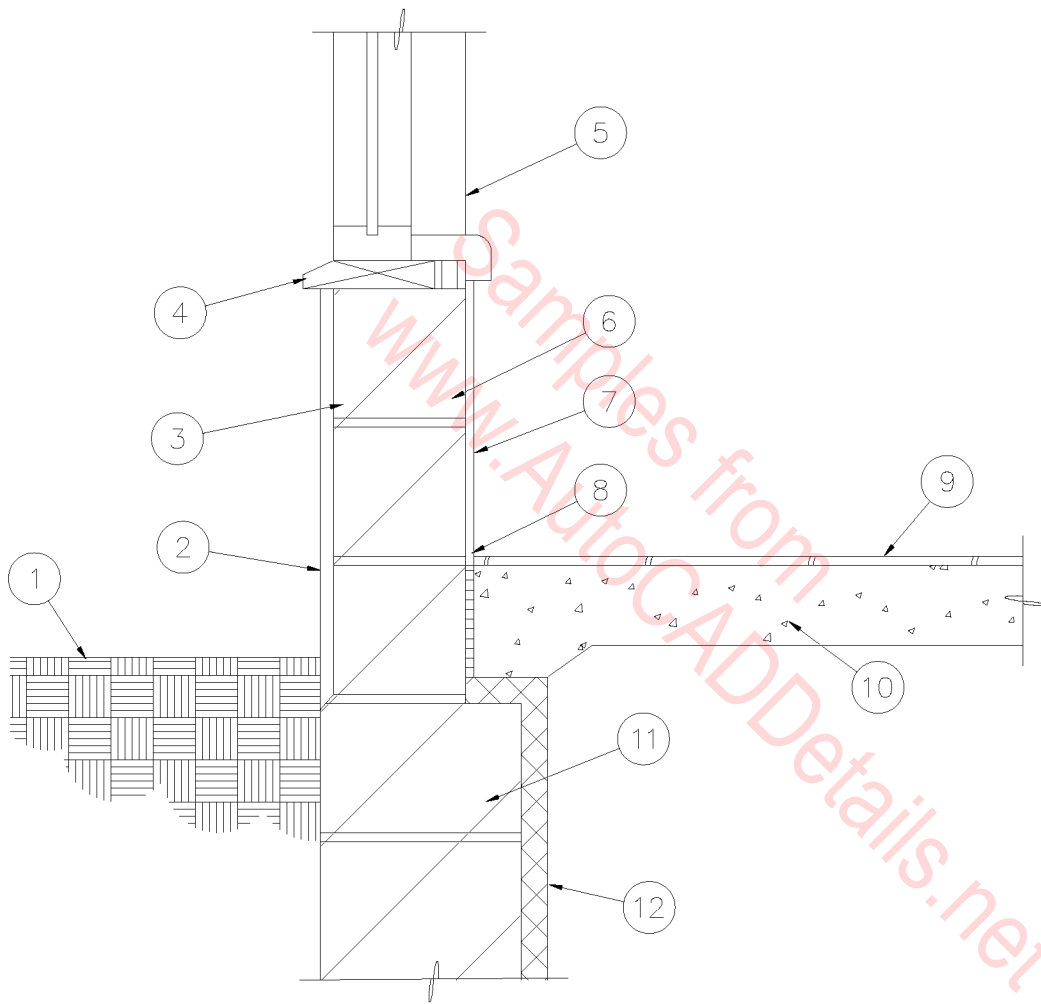
- | | |
|--|---|
| 1. MASONRY WALL. | 7. HOLLOW METAL FRAME. |
| 2. 3-5/8" X 18 GAUGE METAL STUDS AT 16" O.C. | 8. FULL SOUND DEADENING INSULATION. |
| 3. 5/8" TYPE 'X' GYPSUM BOARD. | 9. (2) LAYERS OF 1/2" TYPE 'X' GYPSUM BOARD. |
| 4. 1 HOUR WALL SYSTEM. UL DESIGN NO. U465, WHERE OCCURS. | 10. EDGE OF WALL BEYOND. |
| 5. ACOUSTICAL CEILING. | 11. 1/2" REVEAL. |
| 6. 6" METAL STUDS AT 16" O.C. UL DESIGN NO. U465. | 12. 1 HOUR CEILING SIMILAR TO UL DESIGN NO. L524. |



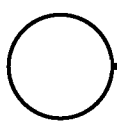
DOOR ALCOVE SECTION

SCALE: 1" = 1'-0"

04B-1022



1. FINISH GRADE.
2. EXTERIOR FINISH SYSTEM.
3. 8" MASONRY WALL.
4. 2 X 8 BEVELED SILL BLOCK PAINTED TO MATCH ALUMINUM FRAME.
5. PLASTIC LAM. SILL.
6. 12" BLOCK.
7. CERAMIC TILE OVER THINSET TO 48" A.F.F.
8. 1/2" FILLED EXPANSION CAULK AROUND ENTIRE PERIMETER.
9. FINISH FLOOR (SEE SCHEDULE).
10. 4" CONCRETE SLAB.
11. 12" C.M.U. STEM.
12. 1-1/2" CELLULAR GLASS INSULATION.
13. CAULK AROUND WINDOW FRAME. SEALANT COLOR TO MATCH ALUMINUM FRAME.

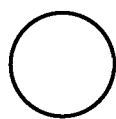
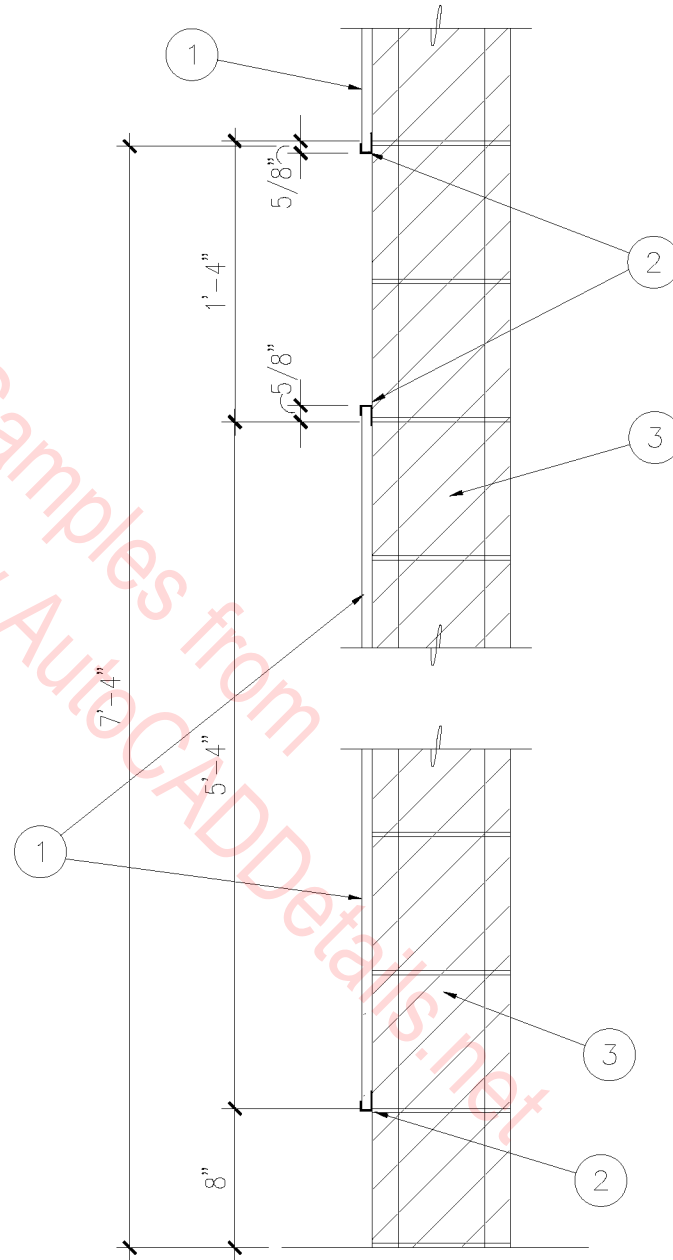


WINDOW SILL

SCALE: 1" = 1'-0"

04B-1023

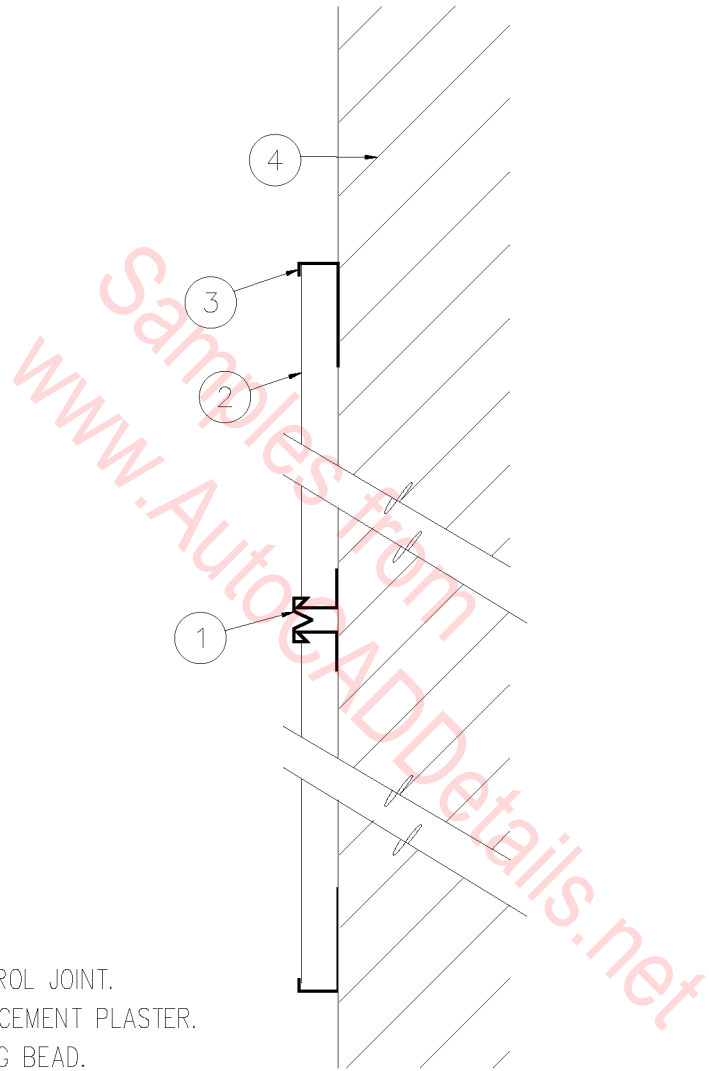
1. PAINTED 5/8" CEMENT PLASTER.
2. PLASTER 'J' MOLD (TYPICAL).
3. 8" MASONRY WALL. PAINT EXPOSED MASONRY.



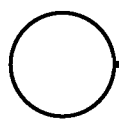
PLASTER WALL REVEAL

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

04B-1024



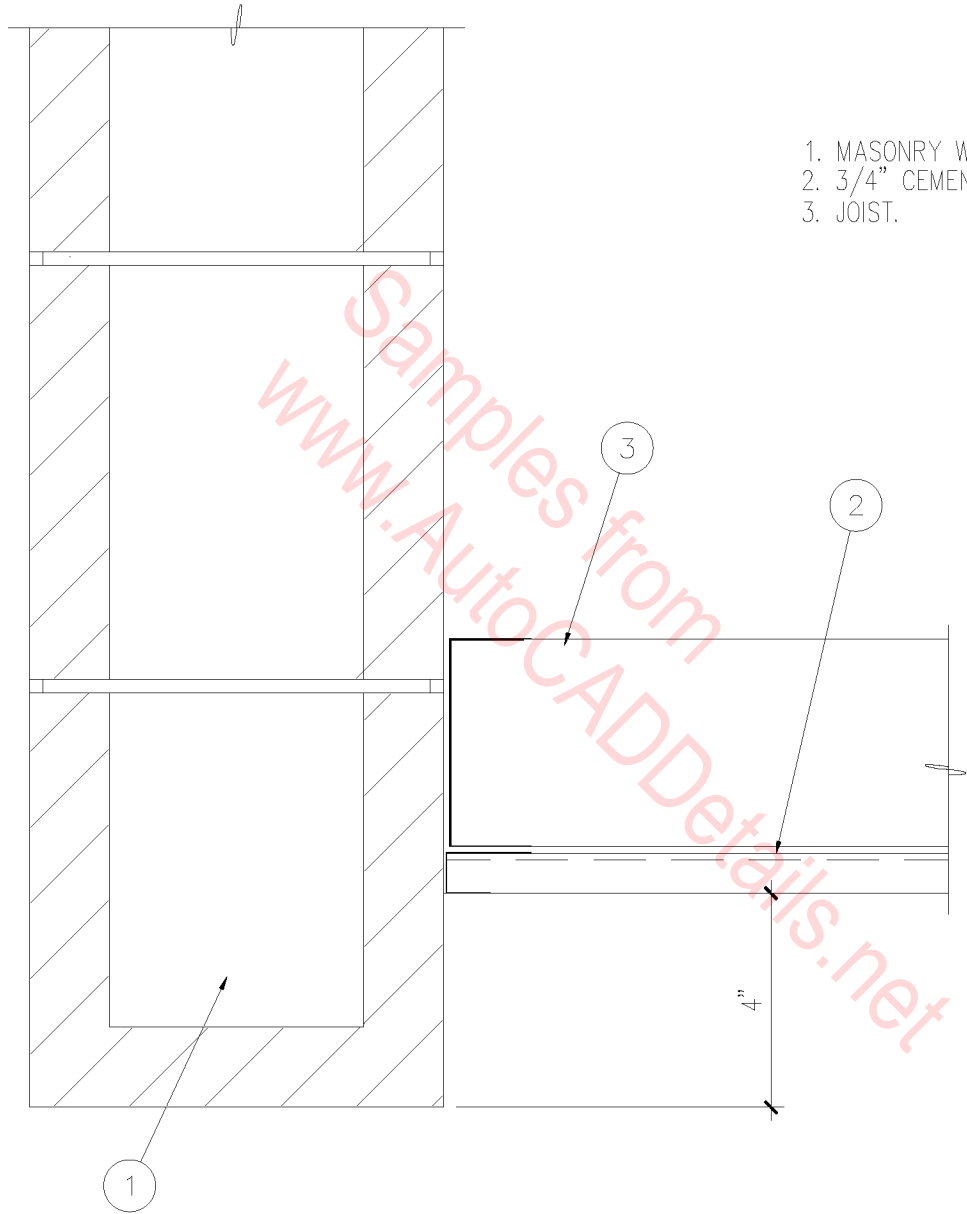
- 1. CONTROL JOINT.
- 2. 7/8" CEMENT PLASTER.
- 3. CASING BEAD.
- 4. MASONRY WALL.



PLASTER FINISH

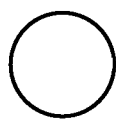
SCALE: 3" = 1'-0"

04B-1025



- 1. MASONRY WALL.
- 2. 3/4" CEMENT PLASTER.
- 3. JOIST.

Samples from
www.AutocADDetails.net

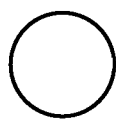
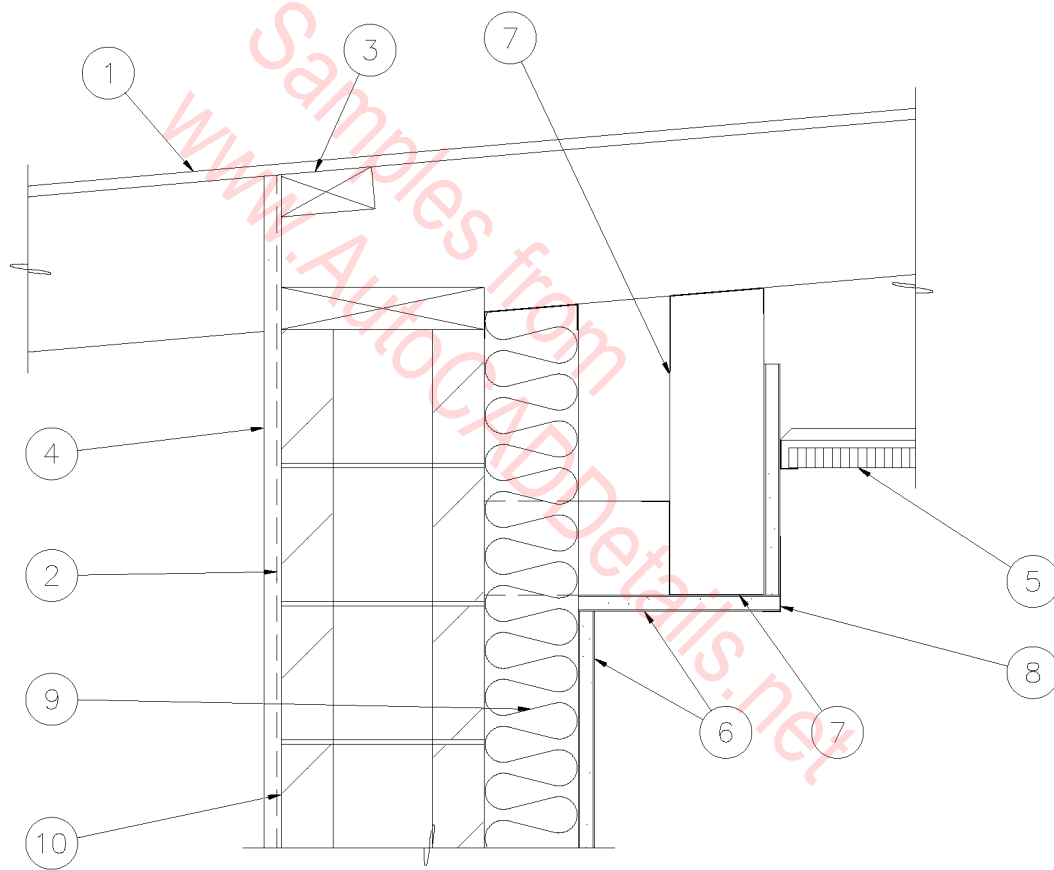


PLASTER SOFFIT

SCALE: 3" = 1'-0"

04B-1026

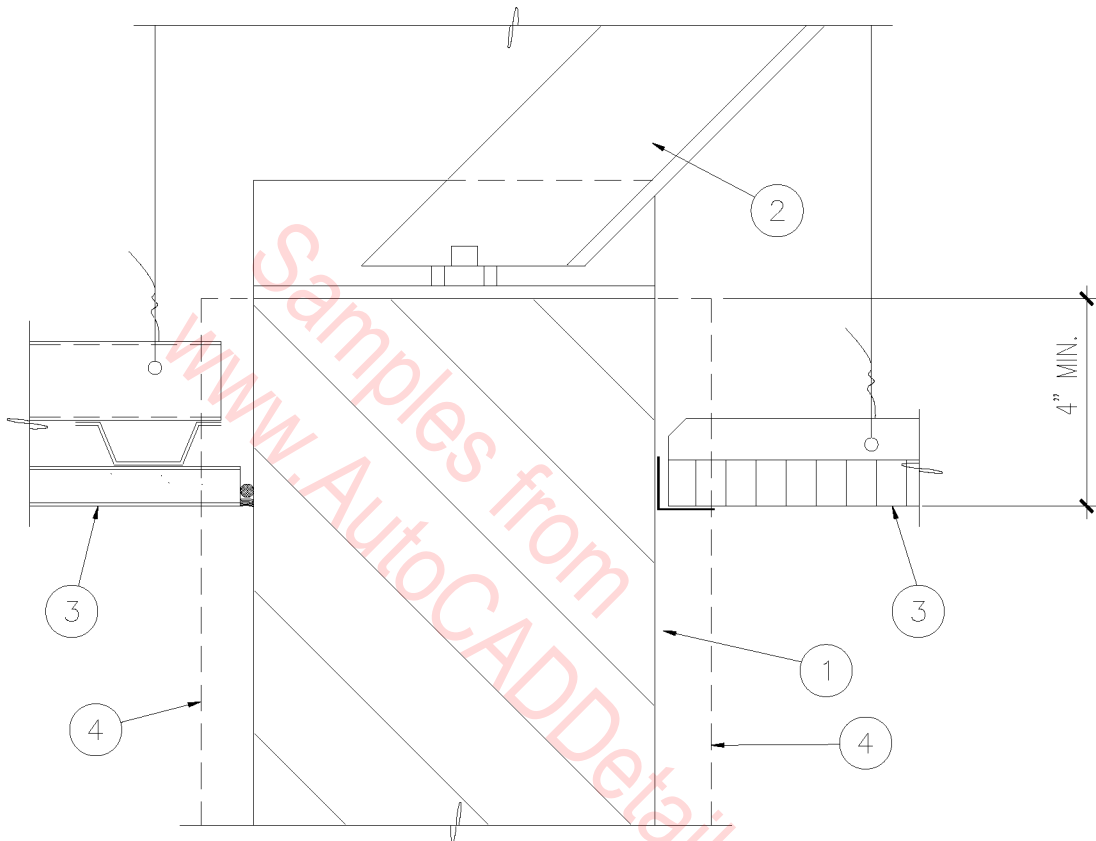
- | | |
|--|--------------------------|
| 1. EXISTING ROOF STRUCTURE. | 7. 3-5/8" METAL STUDS. |
| 2. METAL LATH. | 8. METAL CORNER BEAD. |
| 3. 2x NAILER. | 9. R-11 BATT INSULATION. |
| 4. 5/8" CEMENT PLASTER APPLIED
DIRECTLY TO BLOCK. | 10. MASONRY WALL. |
| 5. LAY-IN CEILING PANEL. | |
| 6. 5/8" TYPE 'X' GYP. BOARD. | |



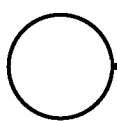
INTERIOR SOFFIT

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

04B-1027



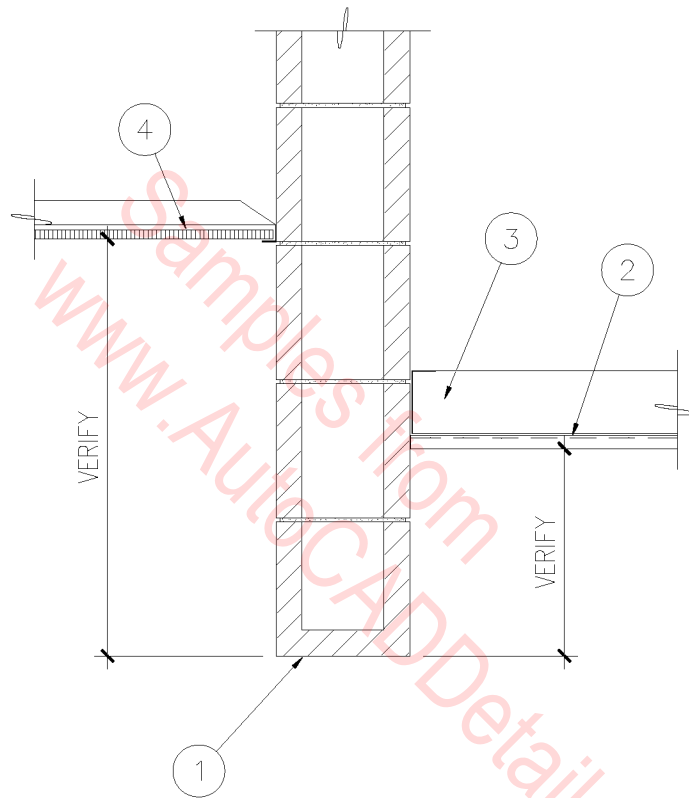
1. MASONRY WALL.
2. STEEL SUPPORT: SEE STRUCTURAL.
3. CEILING WHERE APPLICABLE.
4. FURRED WALL WHERE APPLICABLE.



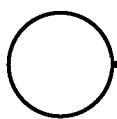
CEILING AT CMU WALL

SCALE: 3" = 1'-0"

04B-1028



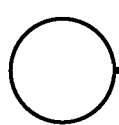
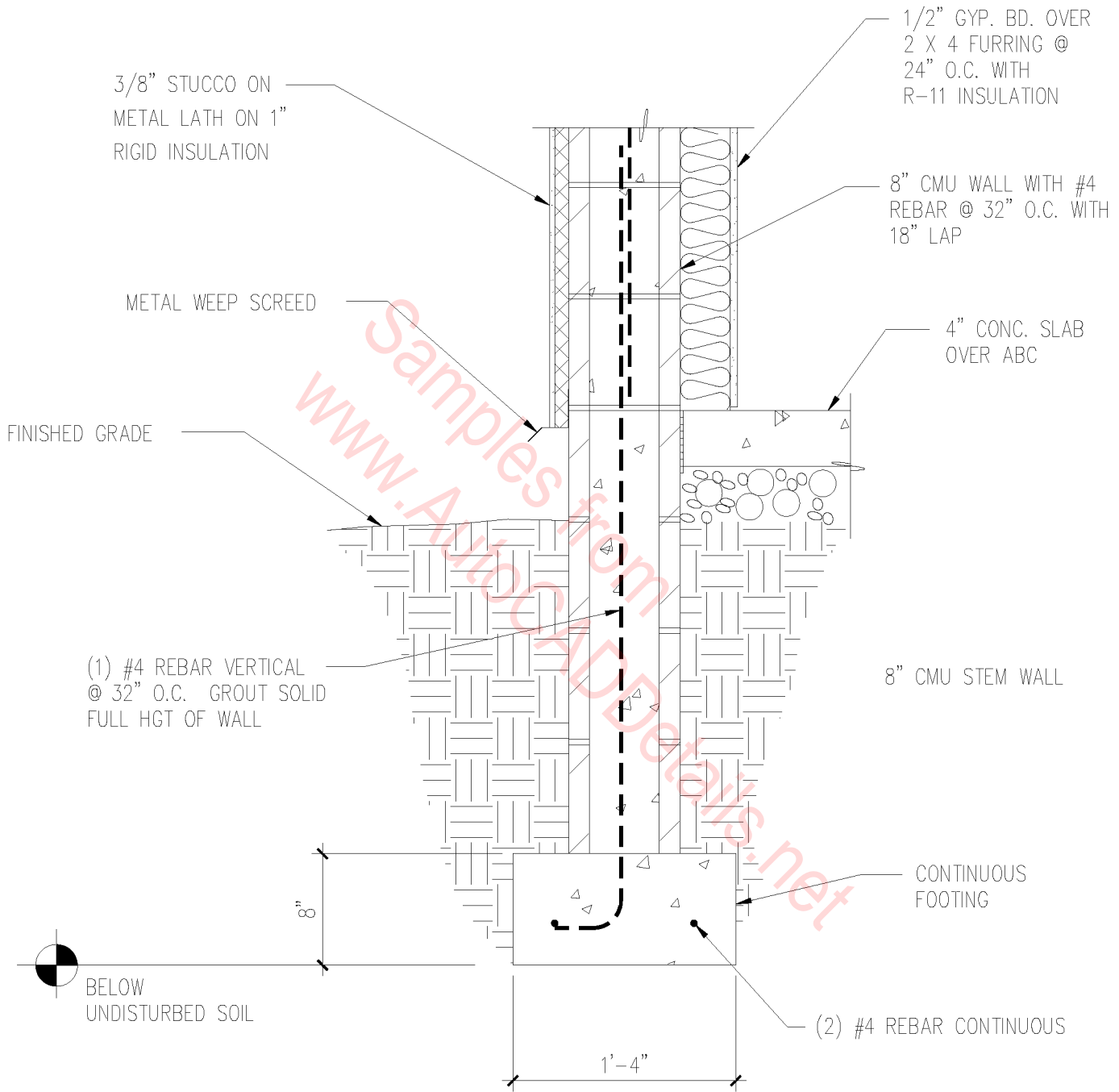
1. MASONRY WALL.
2. 3/4" CEMENT PLASTER.
3. CEILING JOIST.
4. SUSPENDED ACOUSTICAL CEILING SYSTEM.



SOFFIT @ C.M.U. WALL

1" = 1'-0"

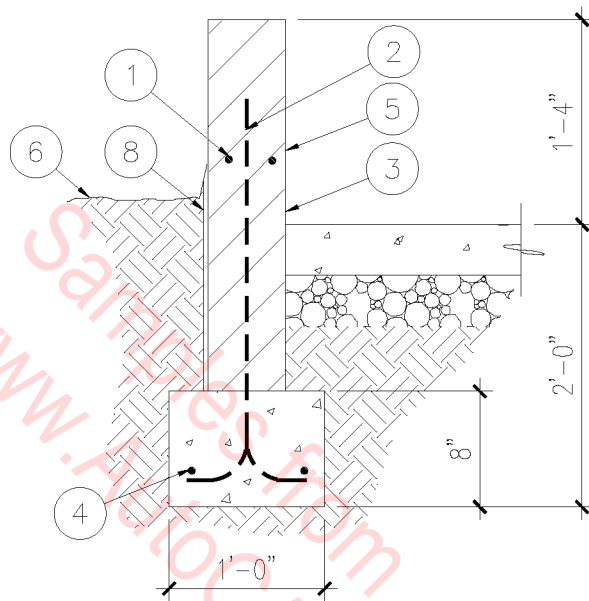
04B-1029



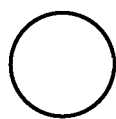
C.M.U. STEM & EXT. WALL

1" = 1'-0"

04B-1030



1. 8" BOND BEAM WITH (2) #5 REBARS.
2. #5 REBAR AT 48" O.C.
3. SOLID GROUT ALL CELLS BELOW GRADE.
4. CONTINUOUS FOOTING WITH (2) #4 REBARS CONTINUOUS.
5. 8 X 8 X 16 CONCRETE BLOCK.
6. FINISH GRADE.
7. CONCRETE SLAB OVER 4" ABC.
8. WATERPROOFING.



MASONRY PLANTER WALL

3/4" = 1'-0"

04B-1031

2 X 12 LEDGER
WITH (2) 7/8" Ø
ANCHOR BOLTS
@ 16" O.C.

PREFAB WOOD TRUSS
@ 16" O.C.

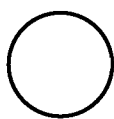
(2) #4 REBAR
CONTINUOUS
IN BOND BEAM

"SIMPSON" HUS
JOIST HANGER

MASONRY
WALL

(2) LAYERS 5/8"
TYPE "X" GYPSUM
BOARD

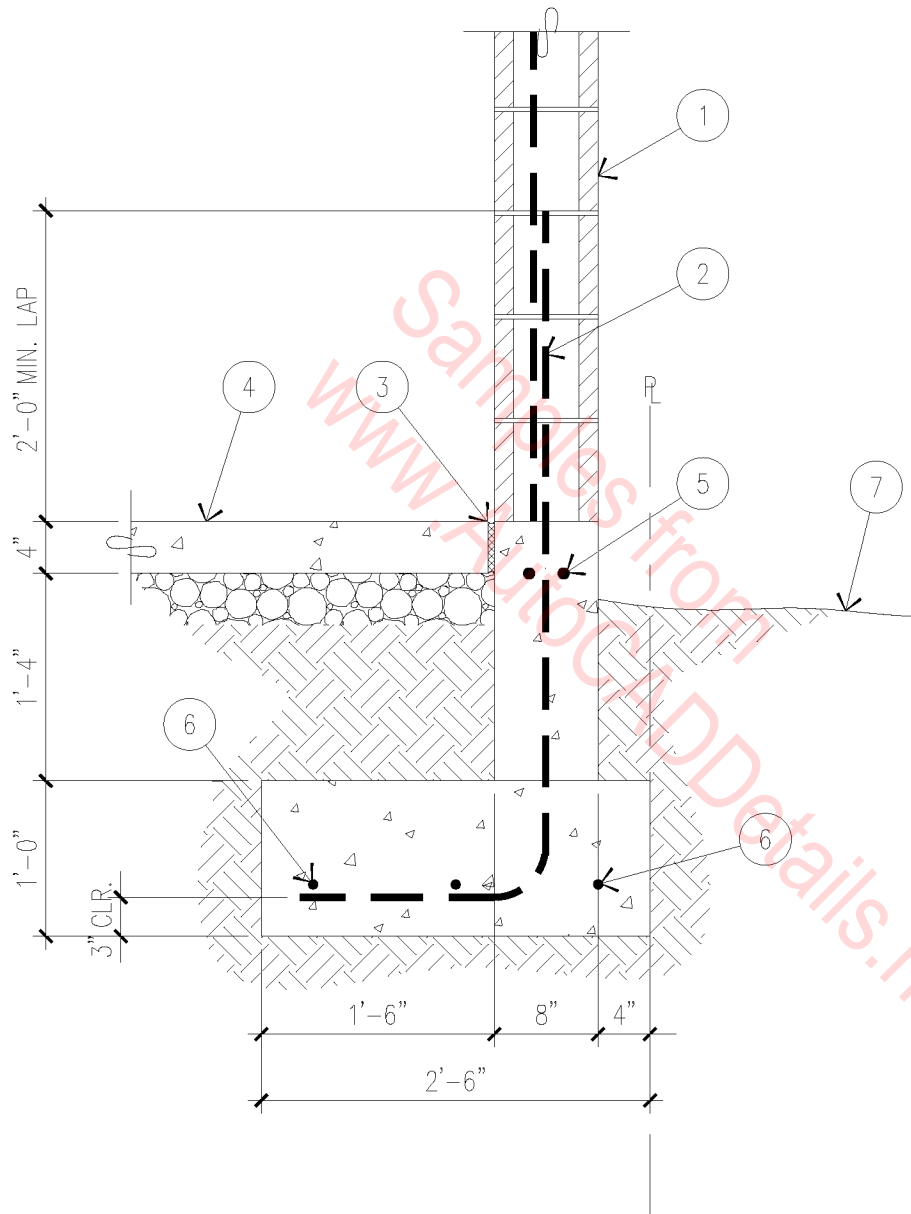
www.AutocADDetails.net



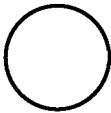
LEDGER @ CMU WALL

1 1/2" = 1'-0"

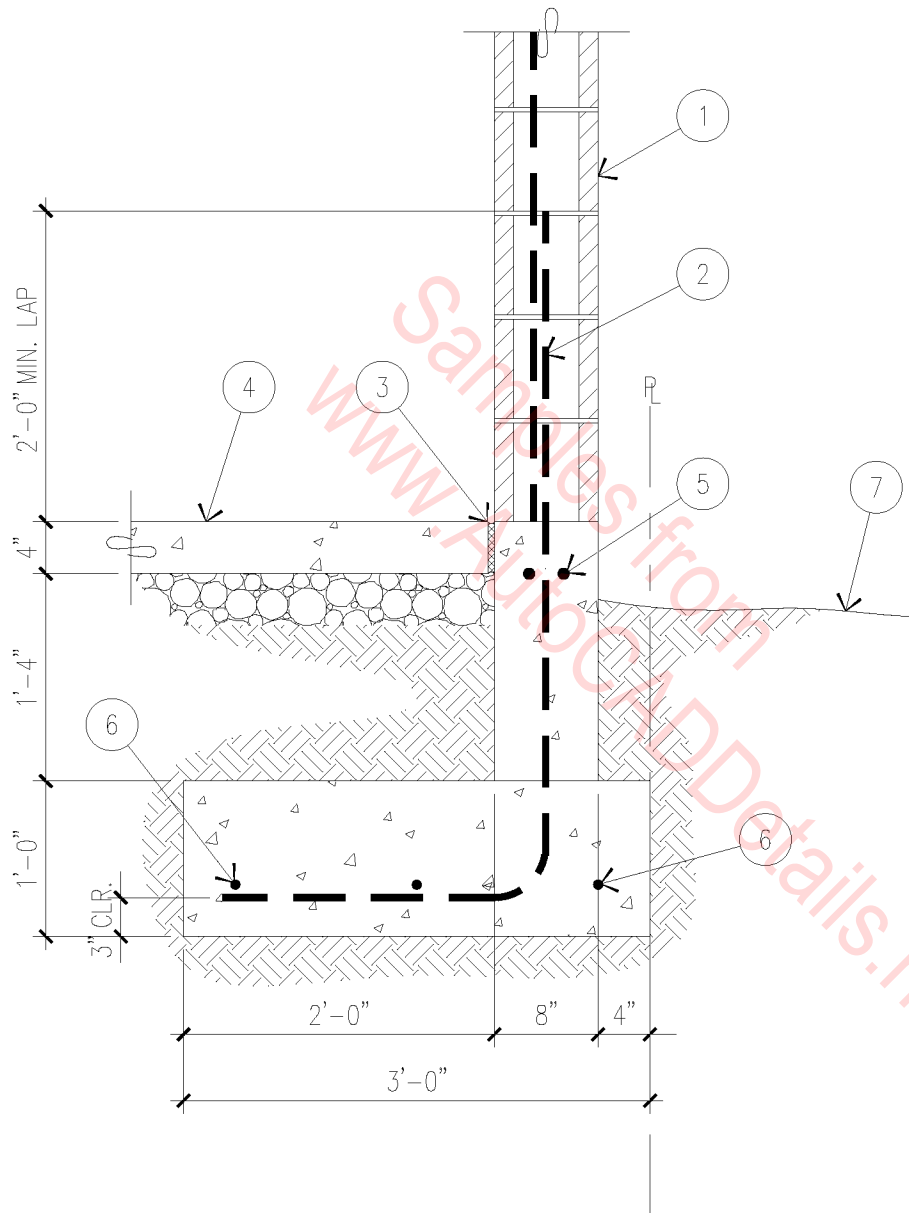
04B-1032



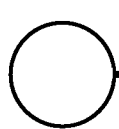
1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (3) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.


FOOTING
 3/4" = 1'-0"

04B-1033



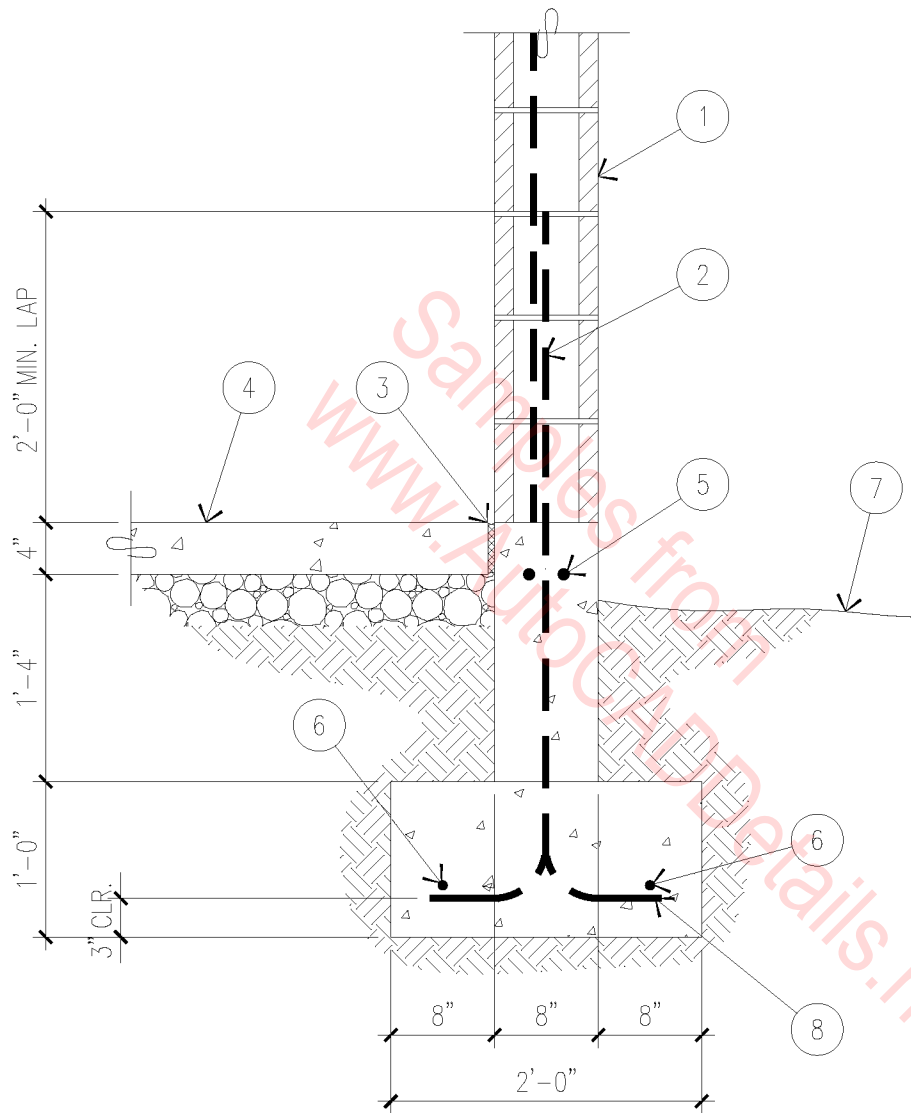
1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (3) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.



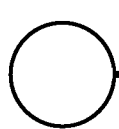
FOOTING

3/4" = 1'-0"

04B-1034



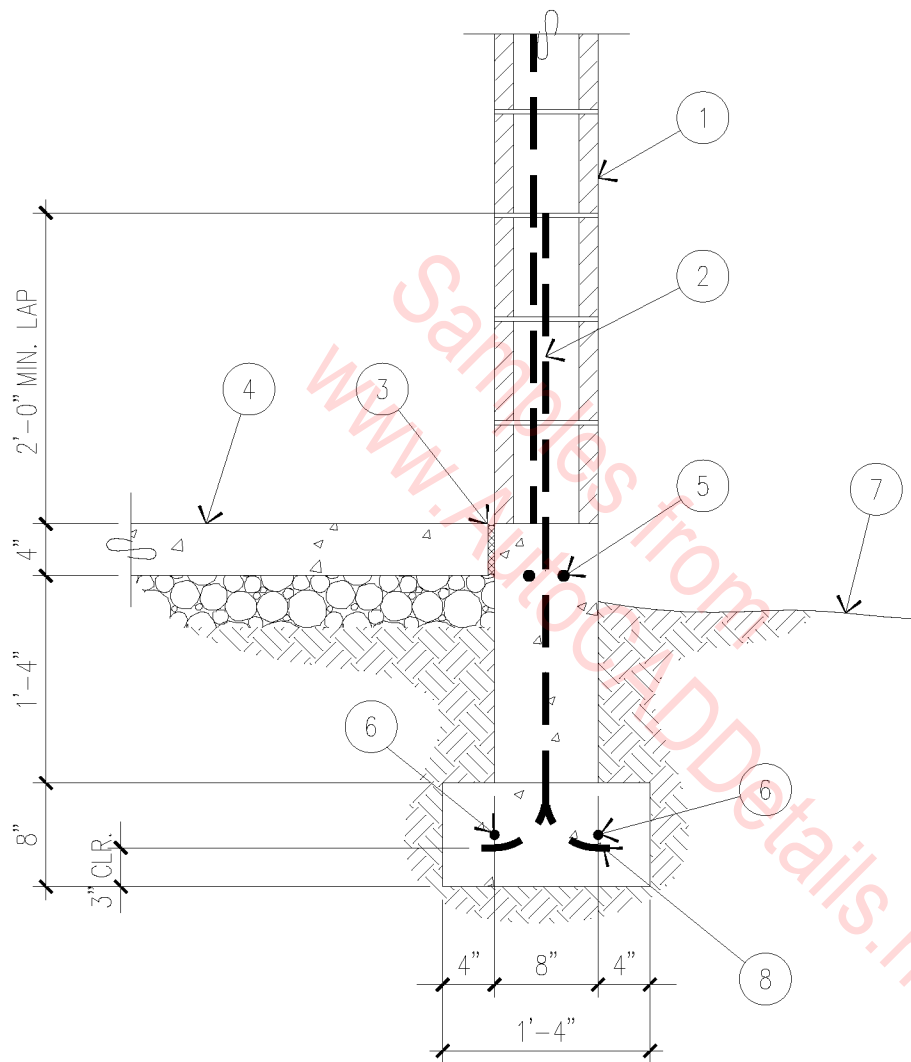
1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (2) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.
8. ALTERNATE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



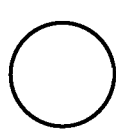
FOOTING

3/4" = 1'-0"

04B-1035



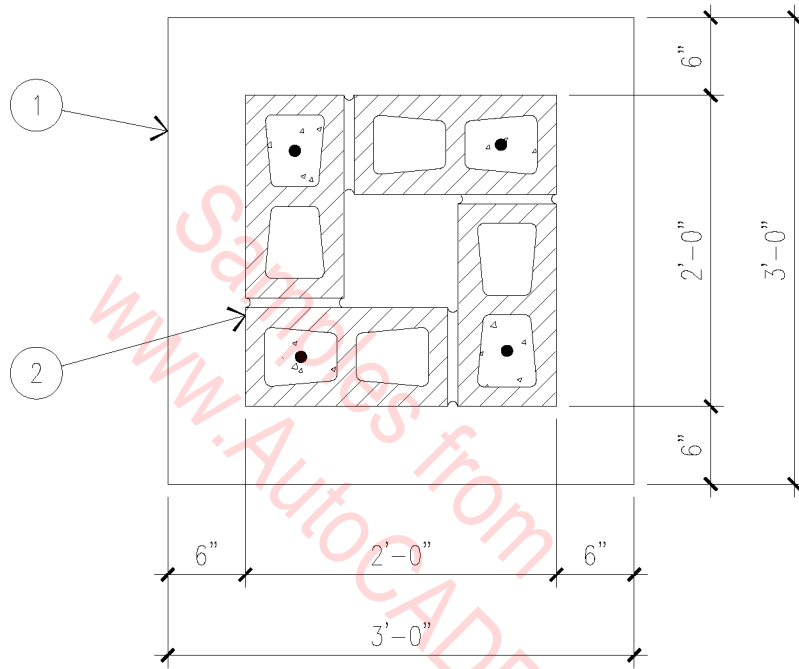
1. 8 X 8 X 16 CMU BLOCK, SEE ARCHITECTURAL FOR FINISH.
2. #5 VERTICALS @ 32" O.C. (U.N.O.), DOWELS TO MATCH AND LAP.
3. 1/2" EXPANSION JOINT.
4. CONCRETE SLAB OVER 4" ABC; 4" SLAB @ OFFICE, 5" SLAB @ WAREHOUSE.
5. (2) #5 REBARS, CONTINUOUS.
6. (2) #4 REBARS, CONTINUOUS.
7. FINISHED GRADE.
8. ALTERNATE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



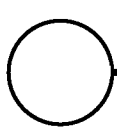
FOOTING

3/4" = 1'-0"

04B-1036



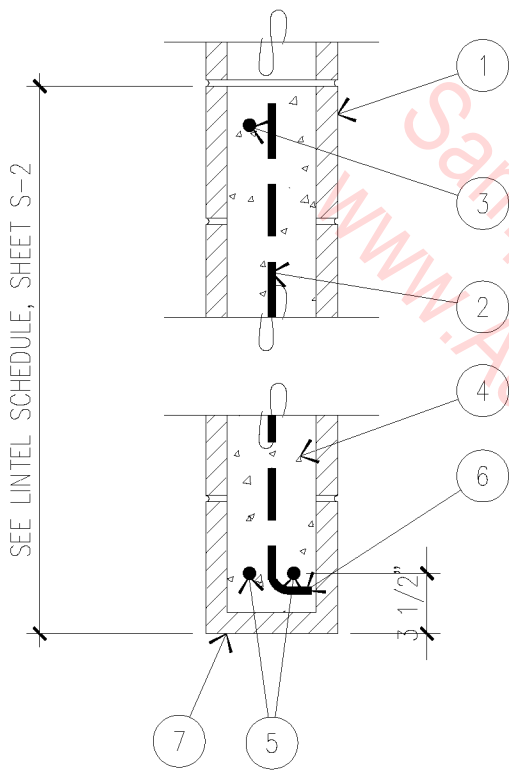
1. 3'-0" X 3'-0" X 12" THICK PAD WITH (2) #5 REBARS EACH WAY.
2. 8 X 8 X 16 CMU WITH (1) #5 REBAR AT EACH CORNER.



PAD

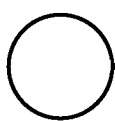
3/4" = 1'-0"

04B-1037



1. 8 X 8 X 16 CMU.
2. #5 VERTICALS AT 16" O.C. WITH BENT ENDS.
3. (1) #5 REBAR.
4. SOLID GROUT.
5. (2) #5 REBARS.
6. VERTICAL REINFORCEMENT HOOK AT BOTTOM.
7. LINTEL 'U' HOOK.

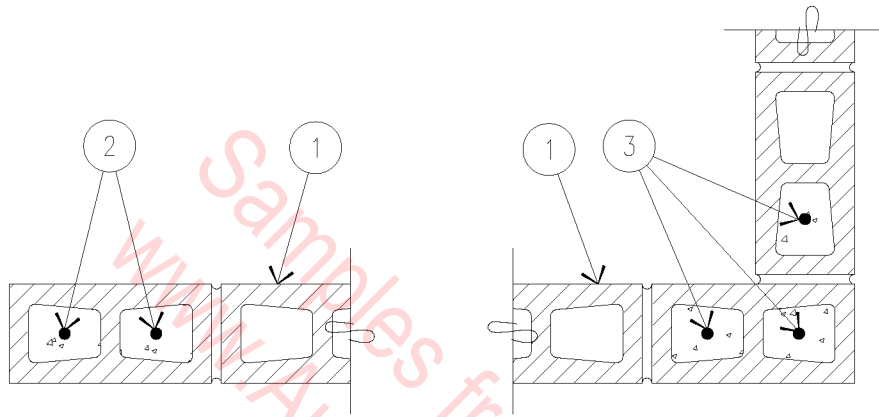
NOTE: SHORE ALL MASONRY LINTELS UNTIL REACHING THE DESIGN STRENGTH.



MASONRY LINTELS

1" = 1'-0"

04B-1038



JAMB @ MANDOOR

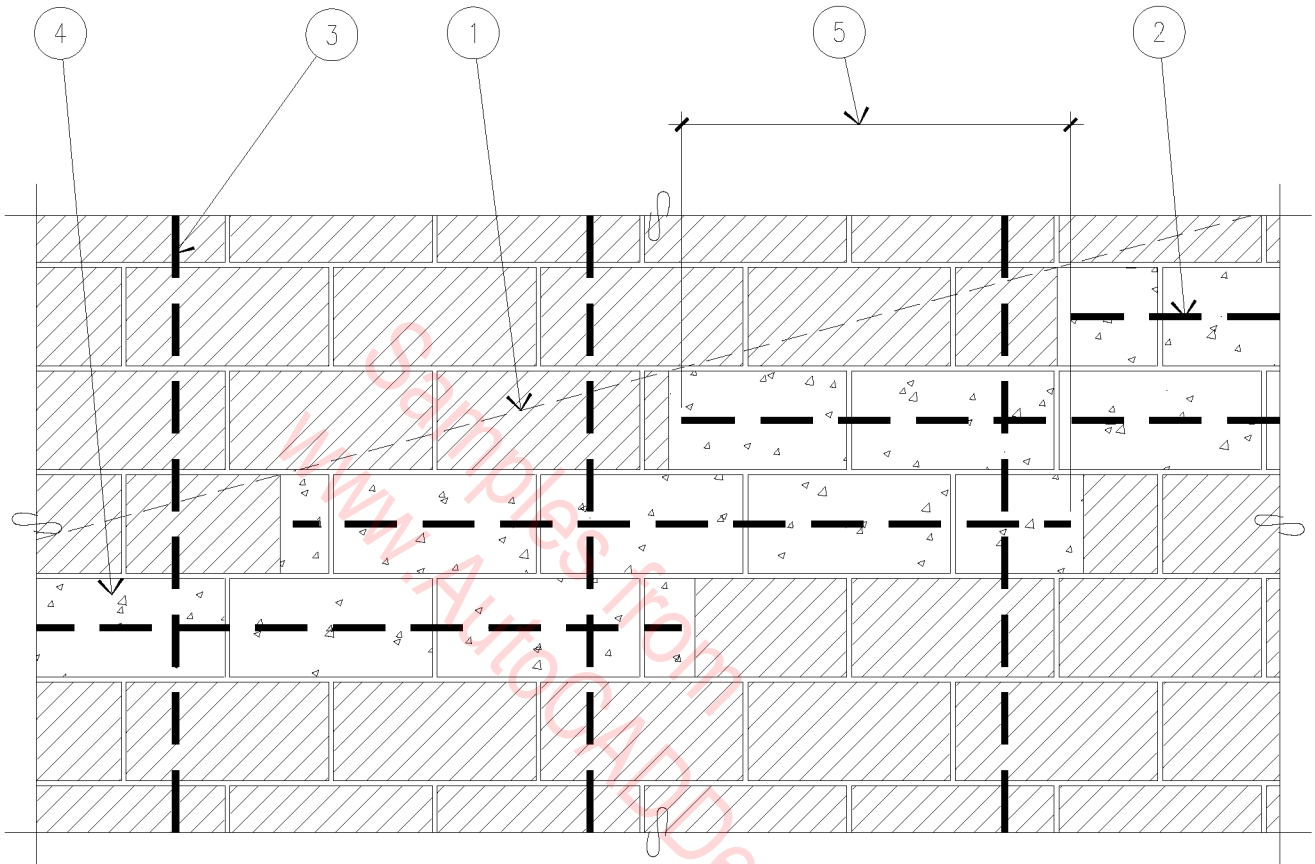
JAMB @ CORNER

1. 8 X 8 X 16 CMU.
2. (2) #5 VERTICALS, FULL HEIGHT.
3. (3) #5 VERTICALS, FULL HEIGHT.

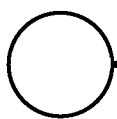
MASONRY JAMB REINFORCING

3/4" = 1'-0"

04B-1039



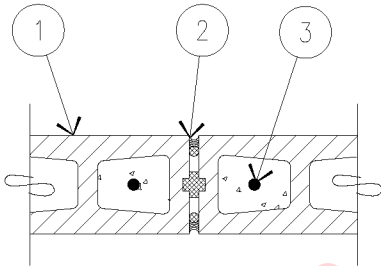
1. TOP OF WALL, WHERE APPLICABLE.
2. BOND BEAM REINFORCEMENT.
3. CONTINUE VERTICAL WALL REINFORCEMENT THROUGH BOND BEAM.
4. GROUTED BOND BEAM, MINIMUM DEPTH PER DETAILS AND GENERAL STRUCTURAL NOTES.
5. LAP TO BE MINIMUM 48 X REBAR DIAMETER.



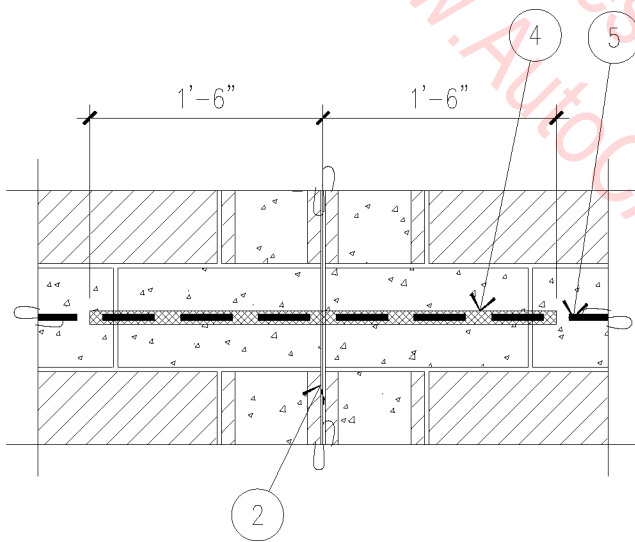
STEPPED BOND BEAM

3/4" = 1'-0"

04B-1040

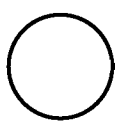


PLAN



ELEVATION

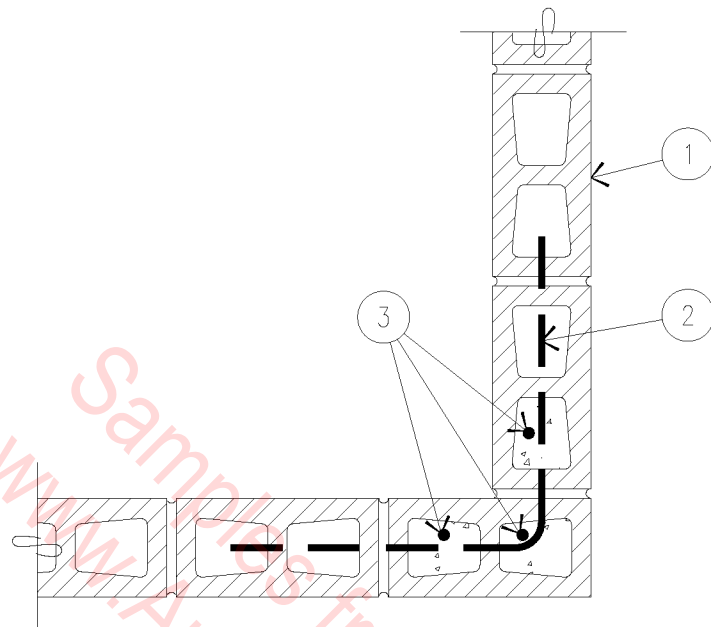
1. 8 X 8 X 16 CMU WALL.
2. CONTROL JOINT PER ARCHITECTURAL DRAWINGS.
3. (1) #5 REBAR EACH SIDE OF JOINT IN SOLID GROUTED CELLS, DOWELS TO MATCH VERTICAL WALL REINFORCEMENT.
4. WRAP REINFORCING WITH MASTIC FOR BOND BREAK.
5. (2) #5 REBARS AT BOND BEAM, DO NOT LAP WITHIN 8'-0" OF THE CONTROL JOINT.



CMU CONTROL JOINT

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

04B-1041

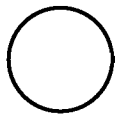


1. 8 X 8 X 16 CMU.
2. (1) #5 CORNER REBAR IN FOOTING AND STEM WALL AT 48" O.C. ABOVE.
3. (3) #5 VERTICALS IN CORNER CELLS, GROUT SOLID, SIMILAR AT FOOTING.

NOTES:

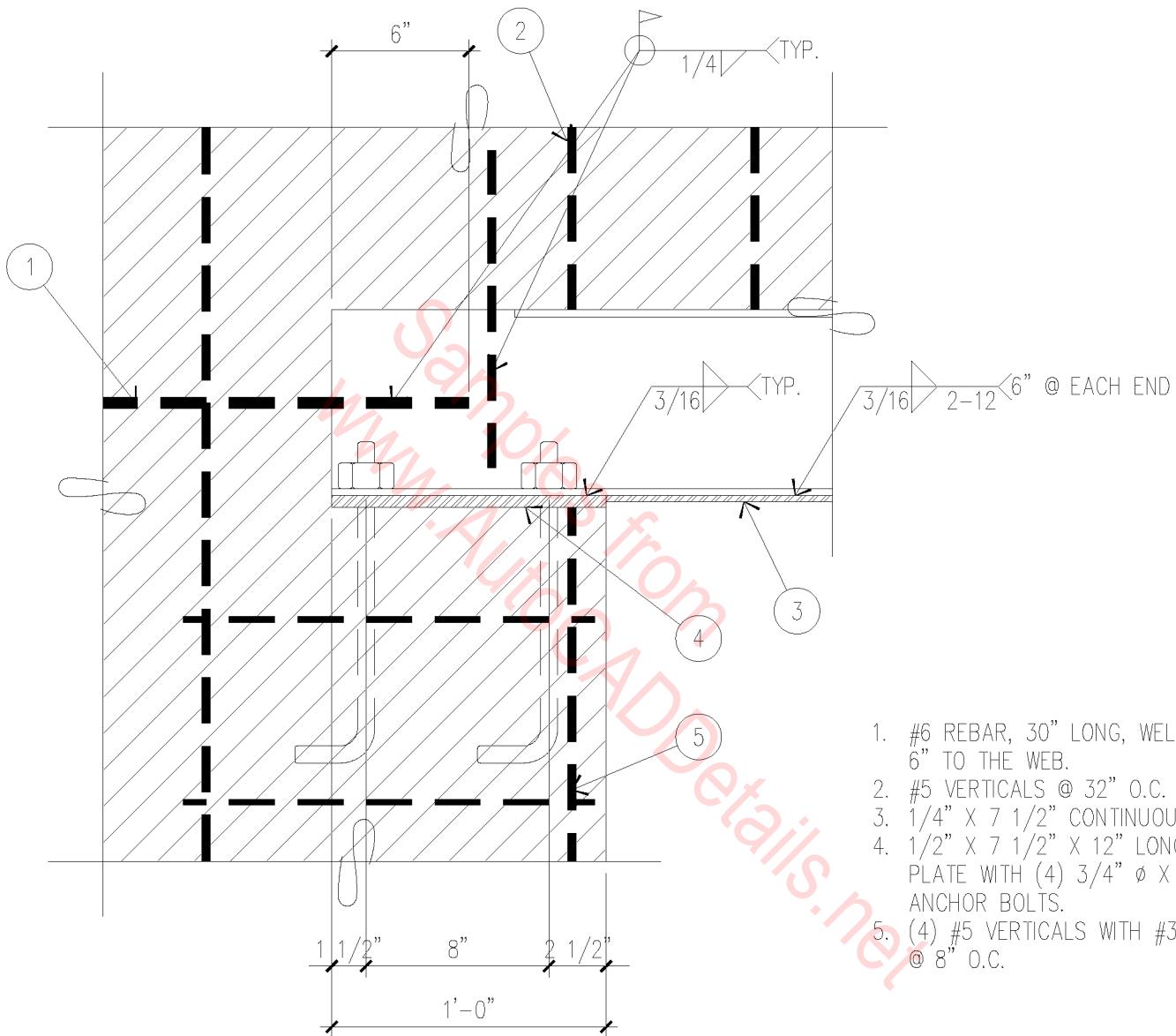
- A. USE (2) #5 REBARS AT BOND BEAM WITH A 2'-0" LAP, U.N.O.
- B. TYPICAL UNLESS NOTED OTHERWISE, SEE FOUNDATION PLAN.

MASONRY CORNER REINFORCING



3/4" = 1'-0"

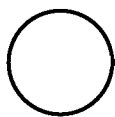
04B-1042



1. #6 REBAR, 30" LONG, WELD 6" TO THE WEB.
2. #5 VERTICALS @ 32" O.C.
3. 1/4" X 7 1/2" CONTINUOUS PLATE.
4. 1/2" X 7 1/2" X 12" LONG BEARING PLATE WITH (4) 3/4" Ø X 12" LONG ANCHOR BOLTS.
5. (4) #5 VERTICALS WITH #3 TIES @ 8" O.C.

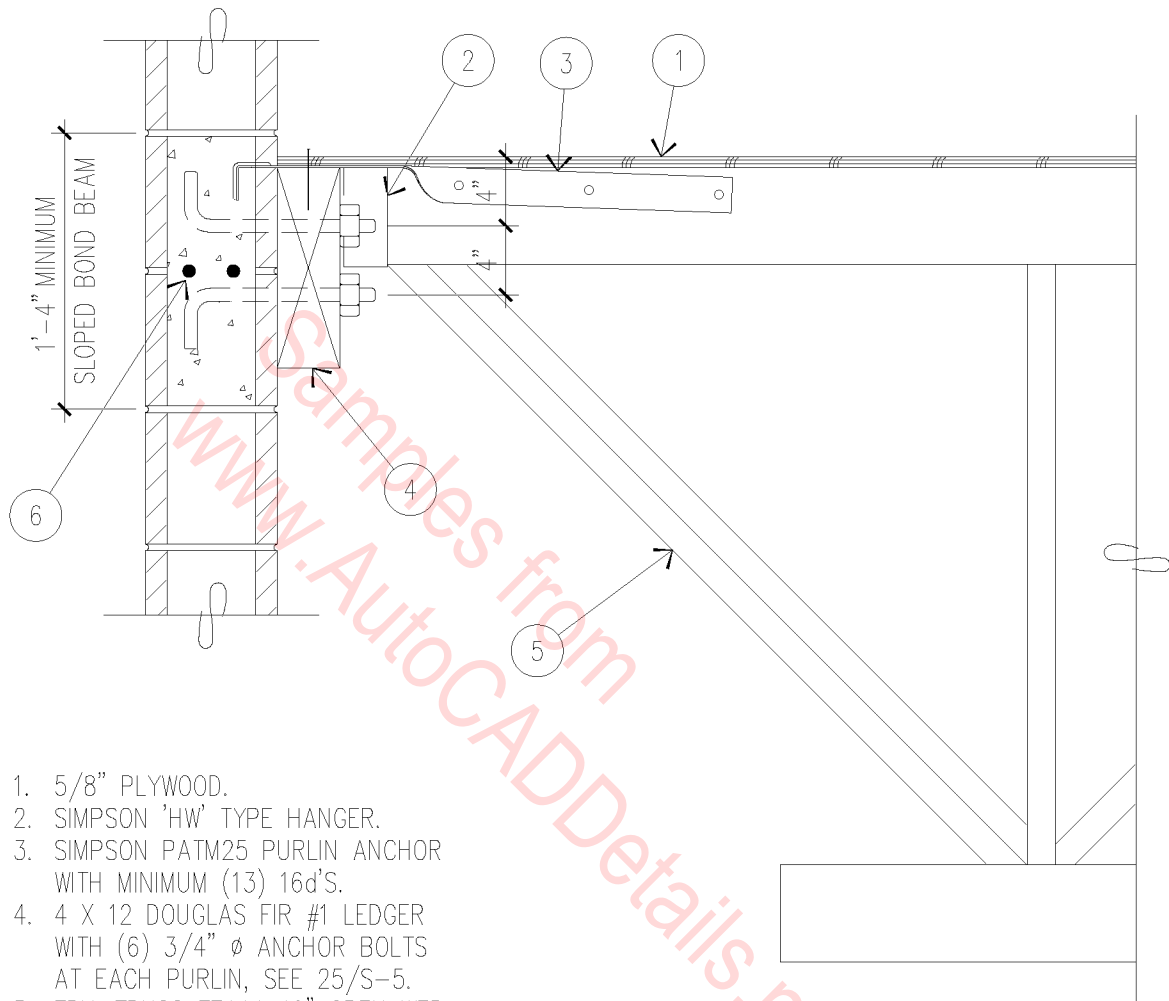
NOTE: ON SL1, BEARING PLATE CAN BE OMITTED.

LINTEL BEARING AT JAMB

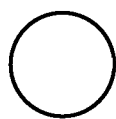


1 1/2" = 1'-0"

04B-1043



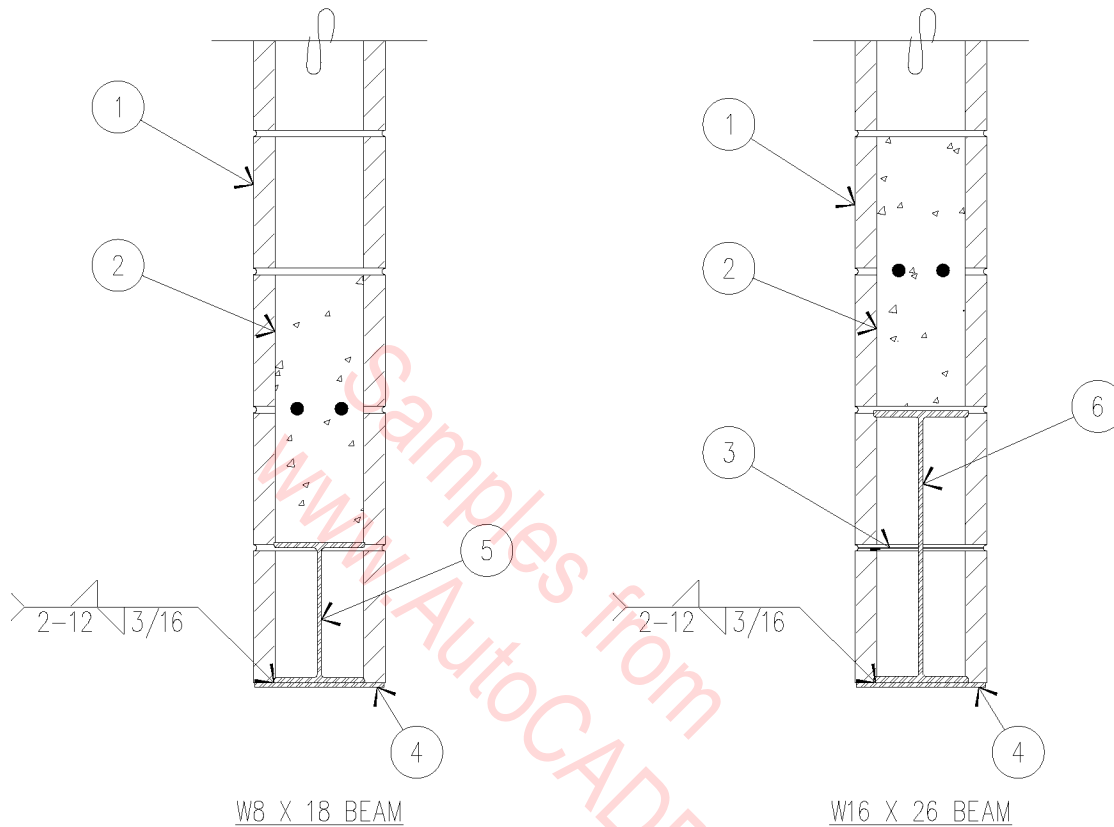
1. 5/8" PLYWOOD.
2. SIMPSON 'HW' TYPE HANGER.
3. SIMPSON PATM25 PURLIN ANCHOR WITH MINIMUM (13) 16d'S.
4. 4 X 12 DOUGLAS FIR #1 LEDGER WITH (6) 3/4" ϕ ANCHOR BOLTS AT EACH PURLIN, SEE 25/S-5.
5. TRU-TRUSS TT444 46" OPEN WEB WOOD TRUSS, SEE SCHEDULE.
6. (2) #5 REBARS, CONTINUOUS, IN 1'-4" SOLID GROUTED SLOPED BOND BEAM.



WOOD PURLIN @ LEDGER

1" = 1'-0"

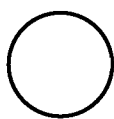
04B-1044



1. 8" CMU WALL.
2. 1'-4" SOLID GROUTED BOND BEAM.
3. GALVANIZED 1" X 16 GAUGE VENEER ANCHORS AT 16" O.C. EACH SIDE.
4. 7-1/2" X 1/4" CONTINUOUS PLATE.
5. W8 X 18 WIDE FLANGE BEAM, SEE SCHEDULE ON SHEET S-2.
6. W16 X 26 WIDE FLANGE BEAM, SEE SCHEDULE ON SHEET S-2.

NOTES:

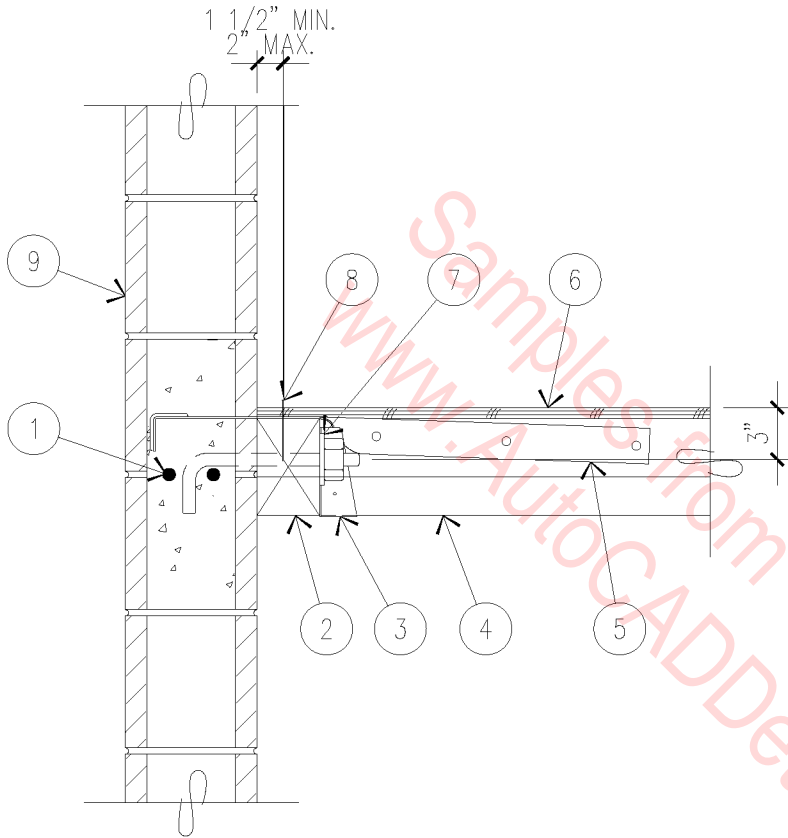
- A. WELD VERTICAL WALL REINFORCEMENT TO STEEL LINTELS.
- B. SHORE LINTEL AT MIDSPAN UNTIL CMU REACHES FULL STRENGTH.
- C. SEE ROOF FRAMING PLAN ON SHEET S-2 FOR LINTEL LOCATIONS.



STEEL LINTELS @ CMU

1" = 1'-0"

04B-1045

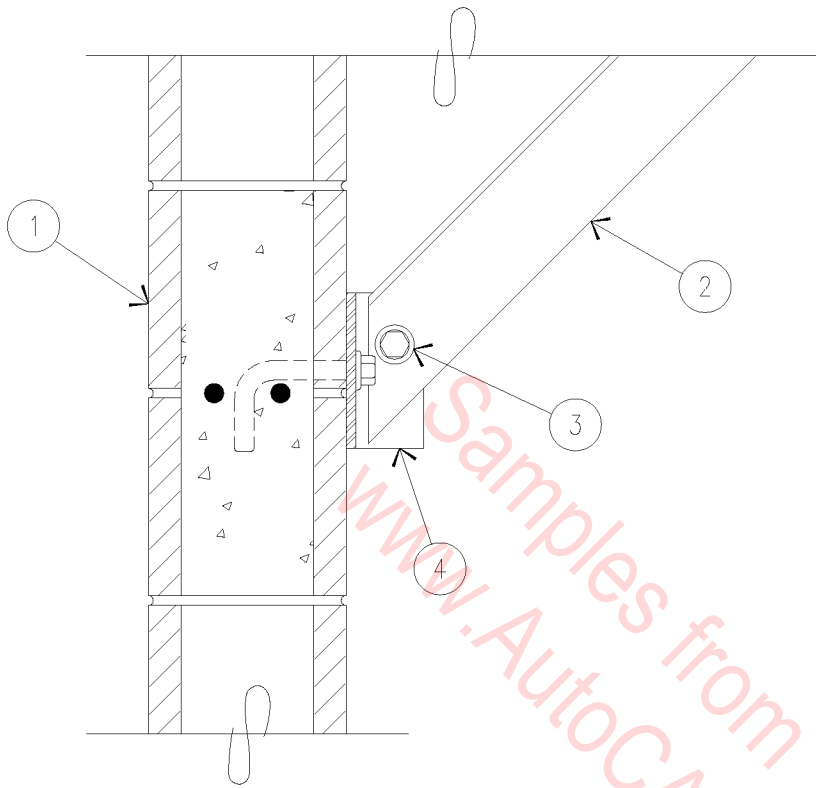


1. (2) #5 REBARS, CONTINUOUS, IN 1'-4" SOLID GROUTED BOND BEAM.
2. 4 X 6 DOUGLAS FIR LEDGER WITH 3/4" ϕ ANCHOR BOLTS @ 4'-0" O.C., MAXIMUM.
3. SIMPSON HUS26 HANGER, OR EQUAL.
4. 2 X 6 DOUGLAS FIR SUB-PURLIN.
5. SIMPSON PATM25 PURLIN ANCHOR WITH MINIMUM (13) 16d'S.
6. 5/8" PLYWOOD.
7. 3" X 3" X 1/4" PLATE WASHER @ 48" O.C., MAXIMUM.
8. BOUNDARY NAILING.
9. CMU WALL.

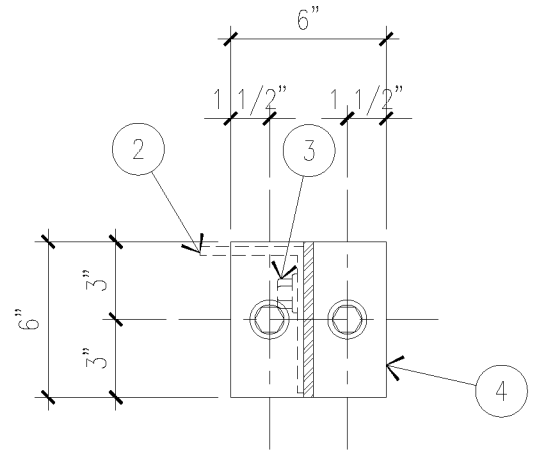
○ SUB-PURLIN @ LEDGER

1" = 1'-0"

04B-1046

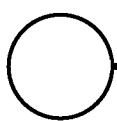


SECTION



ELEVATION

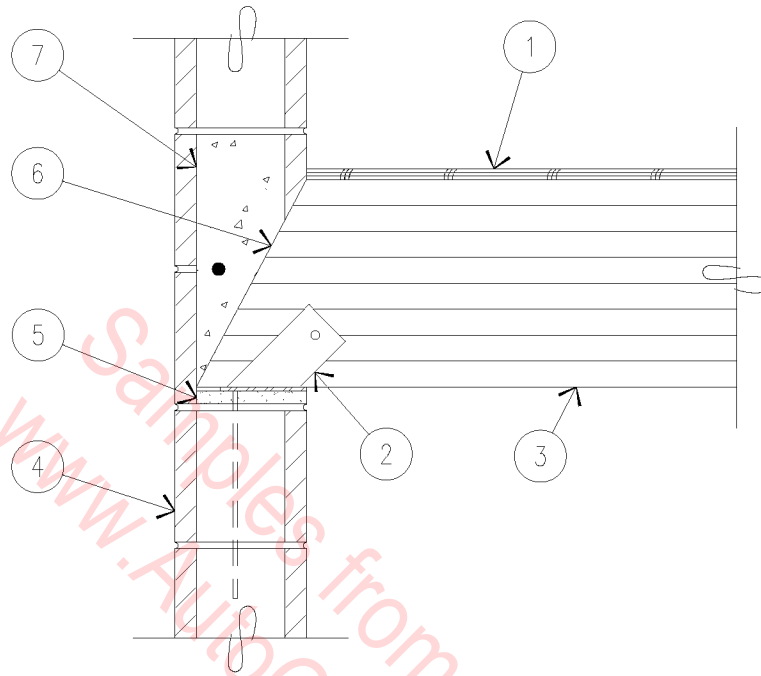
1. 8" CMU WALL.
2. 4" X 4" X 1/4" STEEL ANGLE BRACE
AT 8'-0" O.C.
3. (1) 3/4" MACHINE BOLT.
4. 6" X 6" X 3/8" STEEL ANGLE WITH
(2) 3/4" 'RED-HEADS' OR N.S.



BRACE @ MASONRY WALL

1 1/2" = 1'-0"

04B-1047

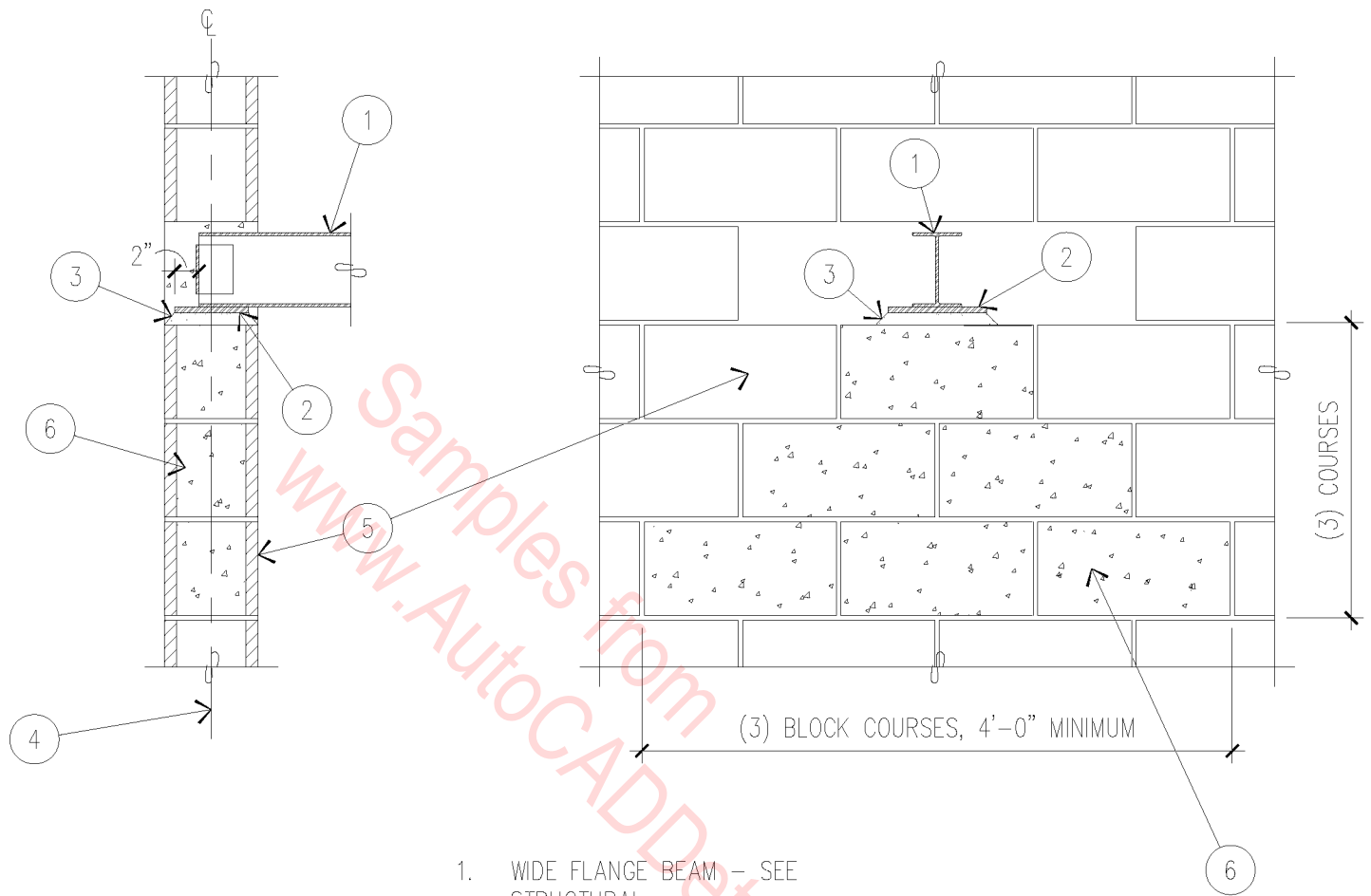


1. 5/8" PLYWOOD.
2. SIMPSON GLB5A BEAM SEAT.
3. 5-1/8" X 12" GLU-LAM BEAM.
4. 8" CMU WALL.
5. 3/4" DRY PACK.
6. FIRECUT.
7. BOND BEAM.

BEAM BEARING @ MASONRY WALL

1" = 1'-0"

04B-1048

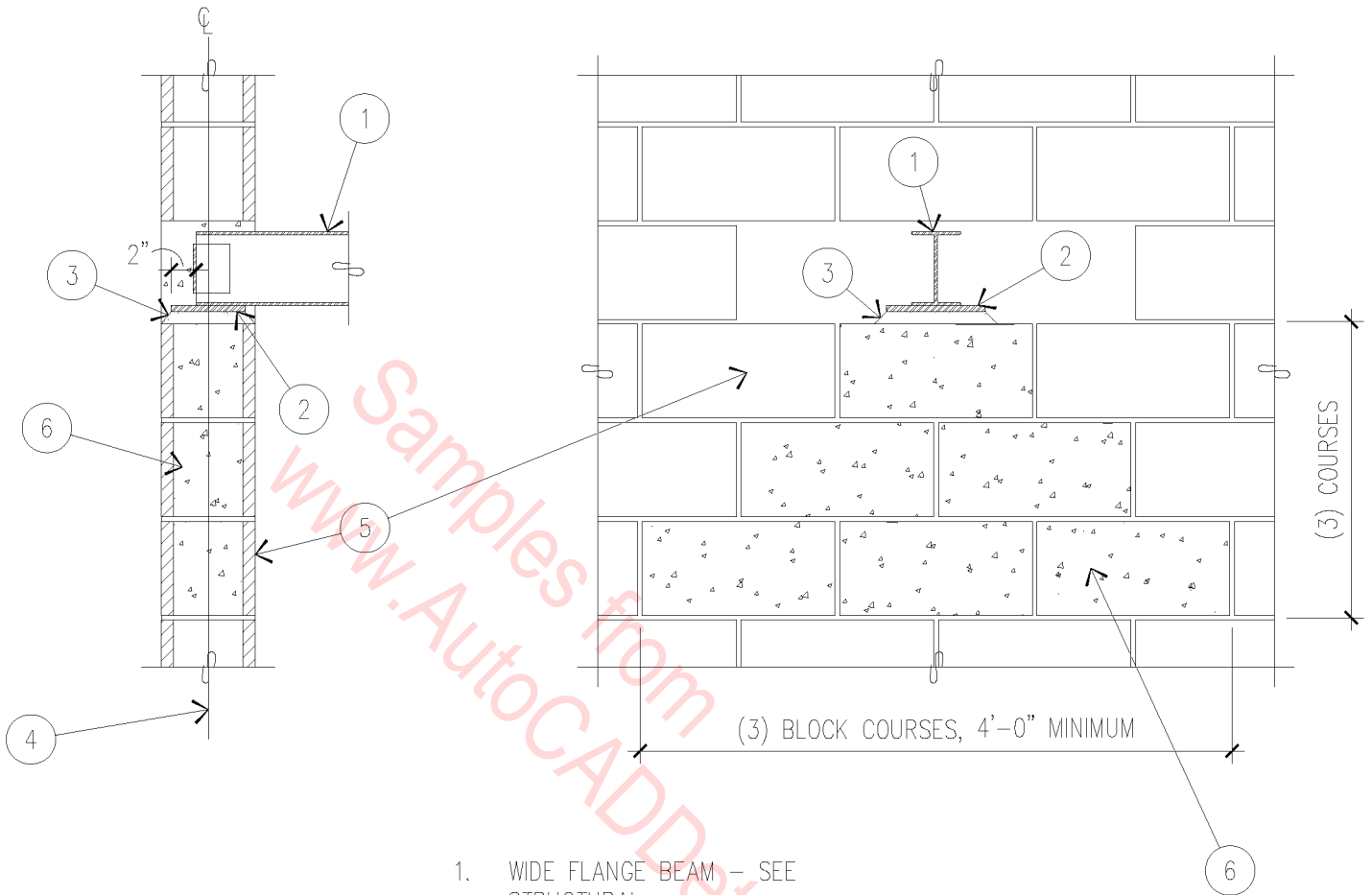


1. WIDE FLANGE BEAM - SEE STRUCTURAL.
2. BASE PLATE - SIZE TO 6" X FLANGE WIDTH + 3" (MINIMUM 8") X 1/2", UNLESS NOTED OTHERWISE.
3. 1" (MINIMUM) NON-SHRINK GROUT.
4. CENTER LINE OF WALL AND BASE PLATE.
5. MASONRY WALL.
6. FILL BLOCK SOLID WITH MORTAR AS SHOWN.

STEEL BEAM BEARING ON MASONRY WALL

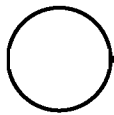
3/4" = 1'-0"

04B-1049



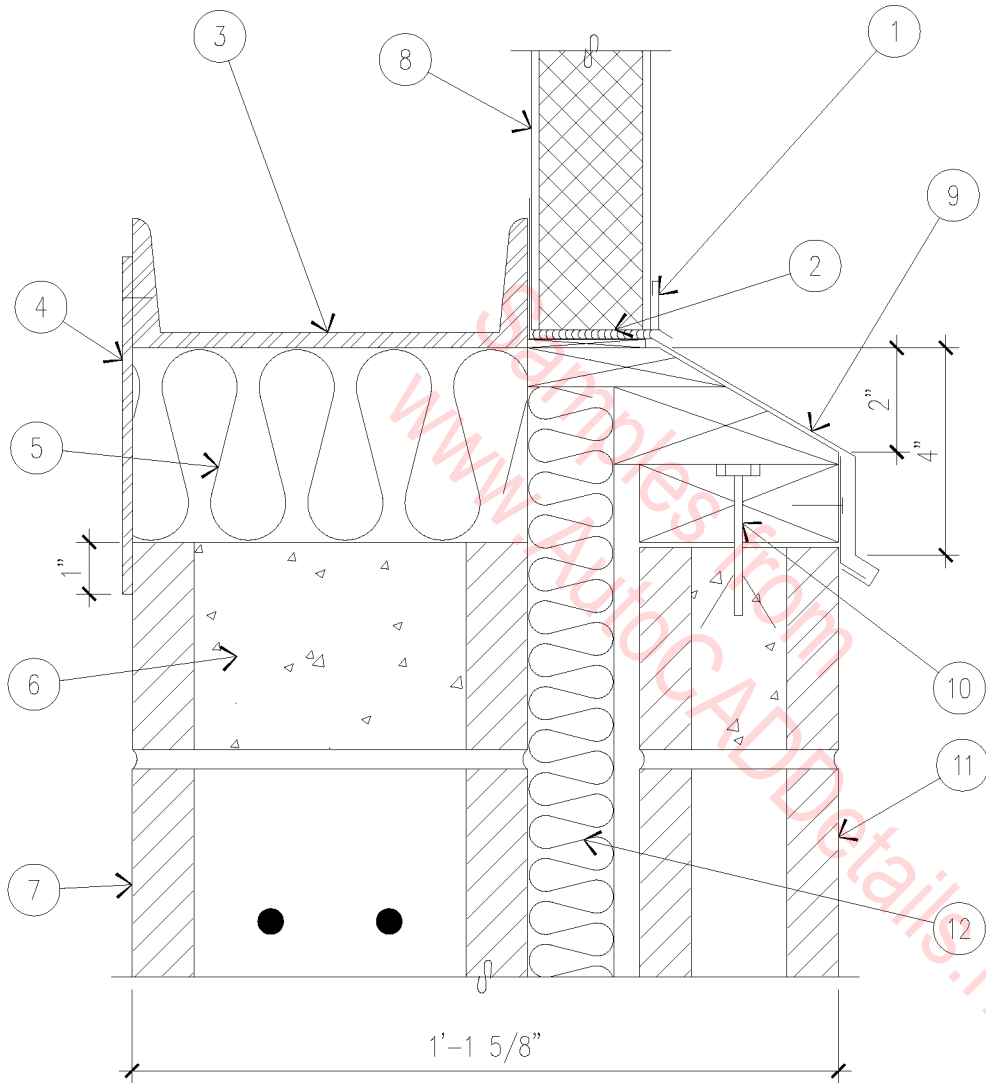
1. WIDE FLANGE BEAM - SEE STRUCTURAL.
2. BASE PLATE - SIZE TO 6" X FLANGE WIDTH + 3" (MINIMUM 8") X 1/2", UNLESS NOTED OTHERWISE.
3. 1" (MINIMUM) NON-SHRINK GROUT.
4. CENTER LINE OF WALL AND BASE PLATE.
5. MASONRY WALL.
6. FILL BLOCK SOLID WITH MORTAR AS SHOWN.

STEEL BEAM BEARING ON MASONRY WALL



3/4" = 1'-0"

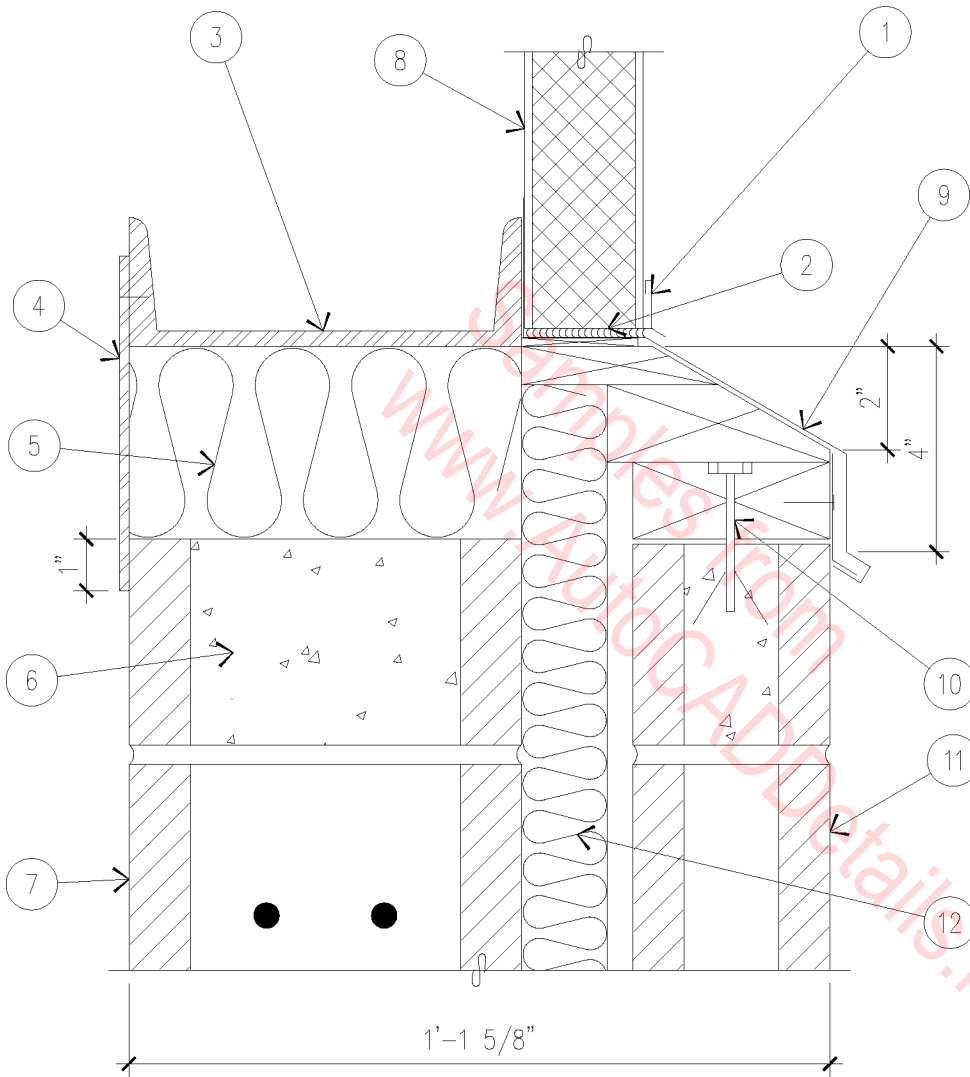
04B-1049



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

 C.M.U. WALL
 3" = 1'-0"

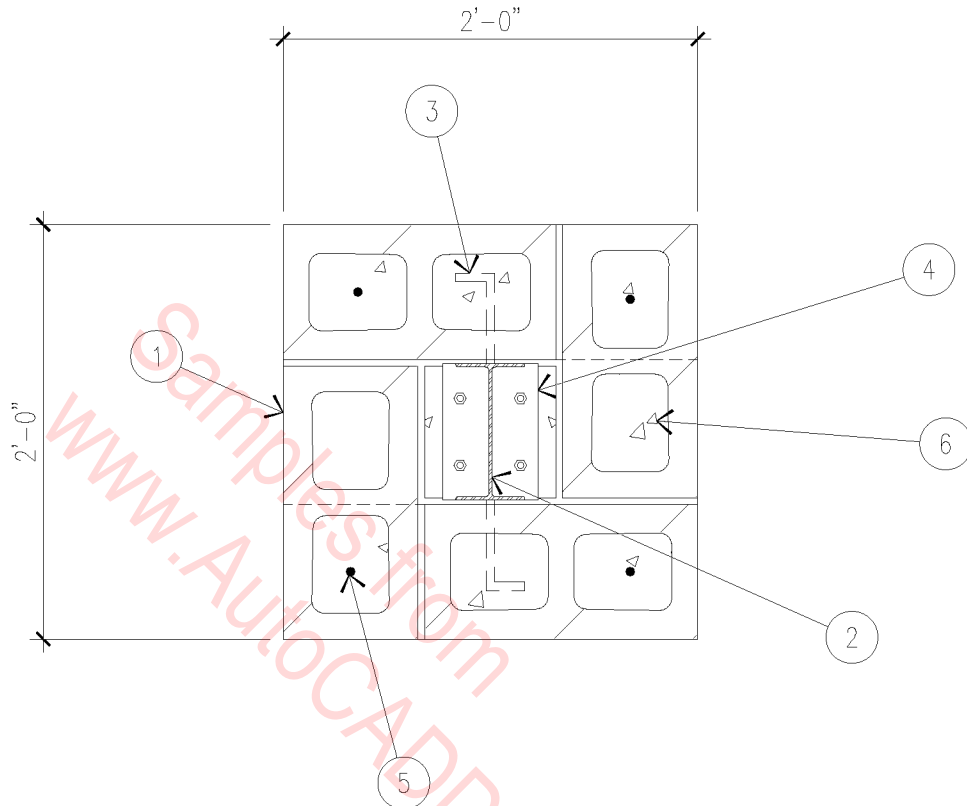
04B-1050



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

○ C.M.U. WALL
3" = 1'-0"

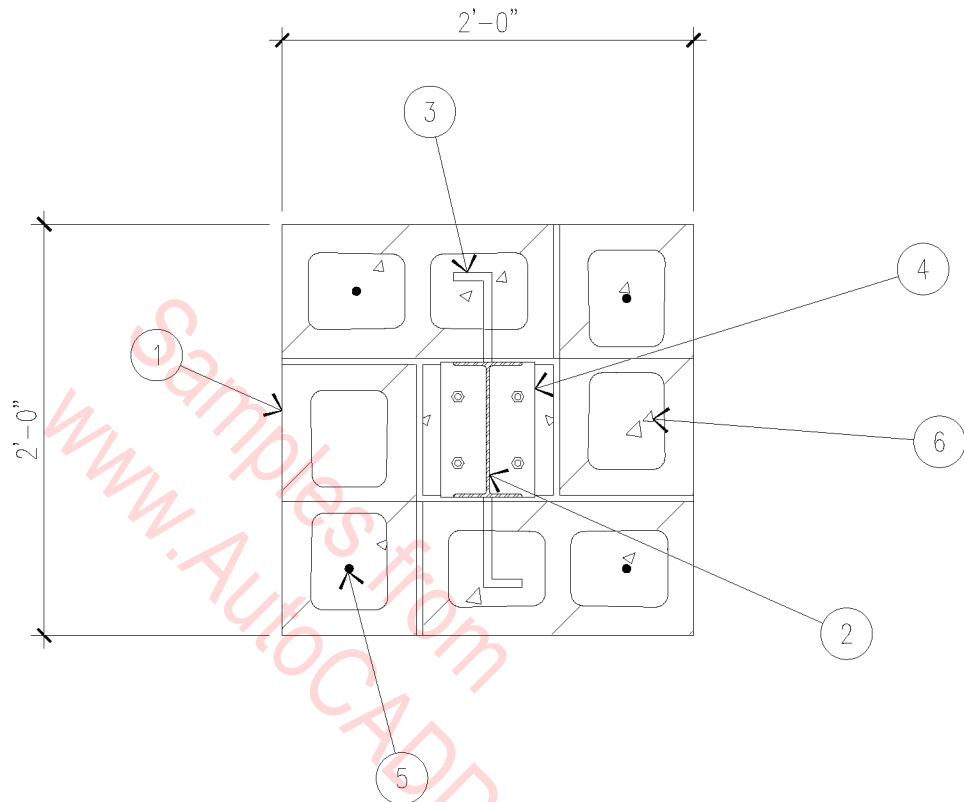
04B-1050



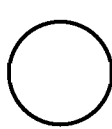
1. 8 X 8 X 16 MASONRY.
2. W8 X 10 WIDE FLANGE COLUMN.
3. 5" X 2" #4 REBAR COLUMN ANCHORS @ 32" O.C.
4. 3/8" STEEL COLUMN BASE PLATE.
5. #4 REBAR VERTICAL AT CORNERS.
6. SOLID GROUTED CELLS.

○ C.M.U. COLUMN
 1" = 1'-0"

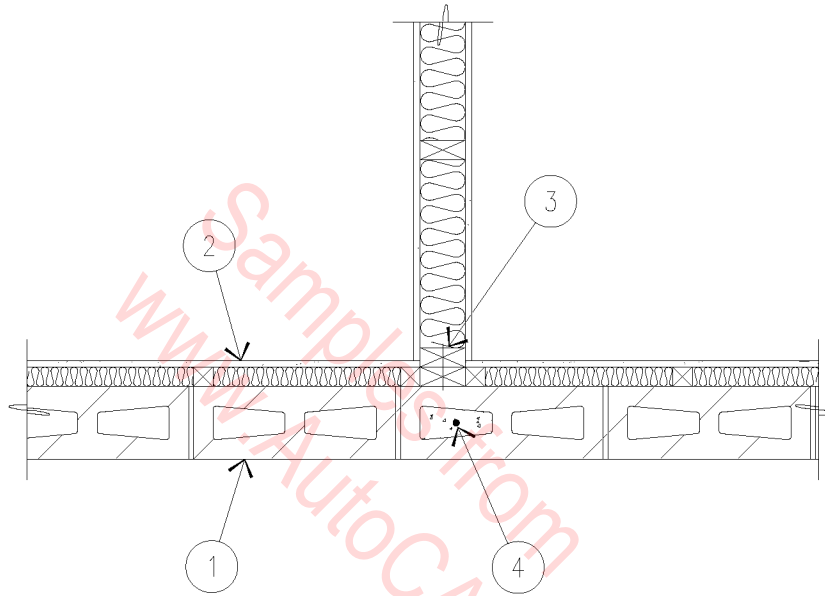
04B-1051



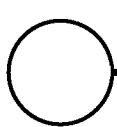
1. 8 X 8 X 16 MASONRY.
2. W8 X 10 WIDE FLANGE COLUMN.
3. 5" X 2" #4 REBAR COLUMN ANCHORS @ 32" O.C.
4. 3/8" STEEL COLUMN BASE PLATE.
5. #4 REBAR VERTICAL AT CORNERS.
6. SOLID GROUTED CELLS.


C.M.U. COLUMN
 1" = 1'-0"

04B-1051



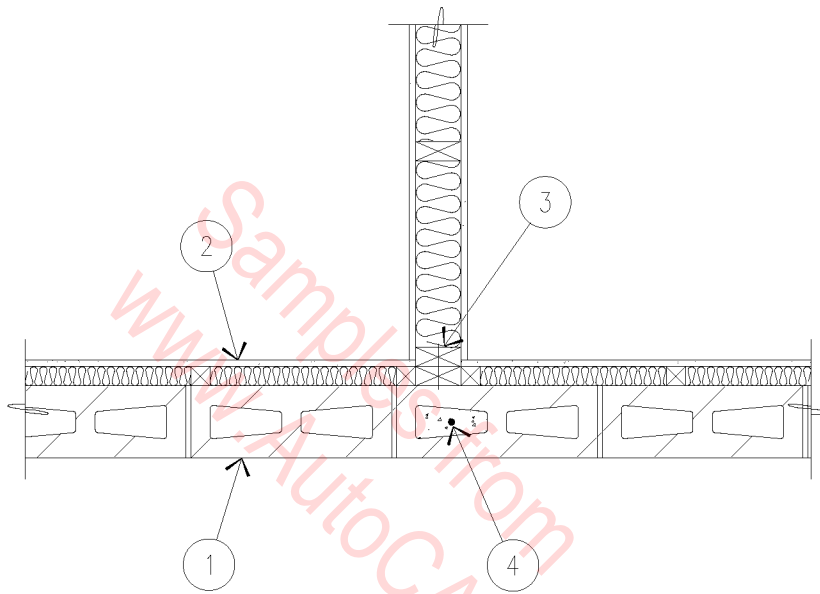
1. 6" C.M.U. WALL.
2. 1/2" GYPSUM BOARD ON 2 X 2 FURRING.
3. (2) 2 X STUDS WITH 0.0145" ϕ DRIVE PINS AT 48" O.C.
4. #4 REBAR, VERTICAL, IN SOLID GROUT AT 48" O.C.



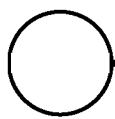
STUD TO C.M.U. WALL

3/4" = 1'-0"

04B-1052



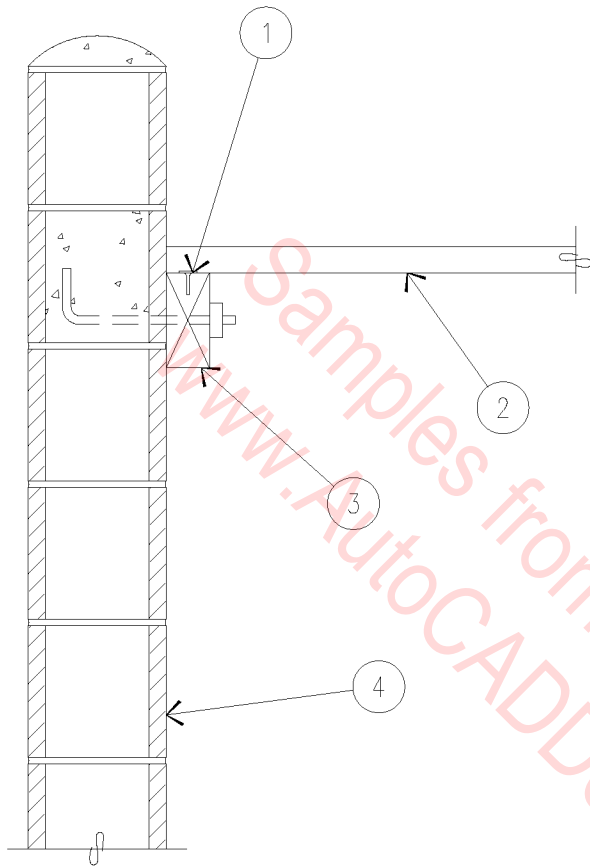
1. 6" C.M.U. WALL.
2. 1/2" GYPSUM BOARD ON
2 X 2 FURRING.
3. (2) 2 X STUDS WITH 0.0145" ϕ
DRIVE PINS AT 48" O.C.
4. #4 REBAR, VERTICAL, IN SOLID
GROUT AT 48" O.C.



STUD TO C.M.U. WALL

3/4" = 1'-0"

04B-1052

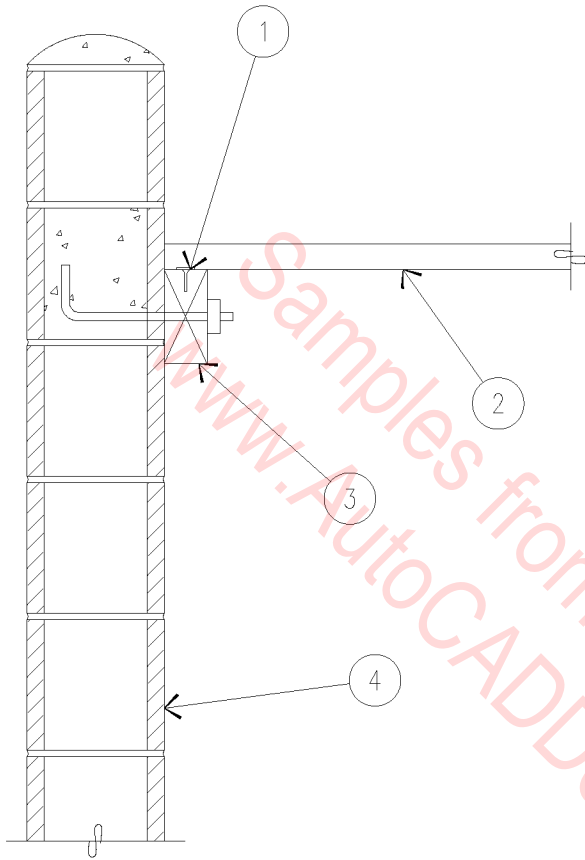


1. SCREW ATTACH GALVANIZED HAT CHANNEL TO LEDGER.
2. 1 1/2" GALVANIZED HAT CHANNELS SPACED FOR 50% SCREEN.
3. 3 X 6 LEDGER WITH 1/2" ANCHOR BOLTS AT 48" O.C., MAXIMUM - SET ENDS INTO GROUTED CELL.
4. 8" C.M.U. ENCLOSURE - SEE SITE PLAN FOR HEIGHT AND LOCATION.

C.M.U. POOL EQUIPMENT FENCE

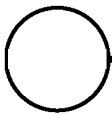
1" = 1'-0"

04B-1053



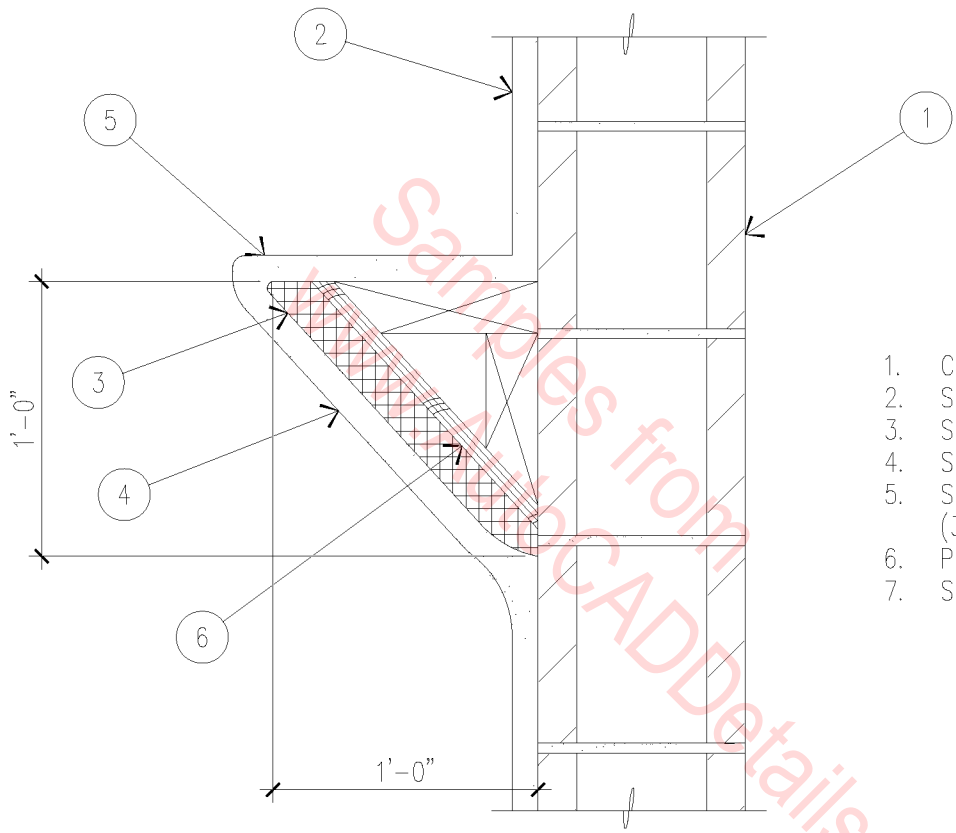
1. SCREW ATTACH GALVANIZED HAT CHANNEL TO LEDGER.
2. 1 1/2" GALVANIZED HAT CHANNELS SPACED FOR 50% SCREEN.
3. 3 X 6 LEDGER WITH 1/2" ANCHOR BOLTS AT 48" O.C., MAXIMUM - SET ENDS INTO GROUTED CELL.
4. 8" C.M.U. ENCLOSURE - SEE SITE PLAN FOR HEIGHT AND LOCATION.

C.M.U. POOL EQUIPMENT FENCE

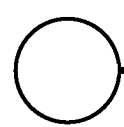


1" = 1'-0"

04B-1053



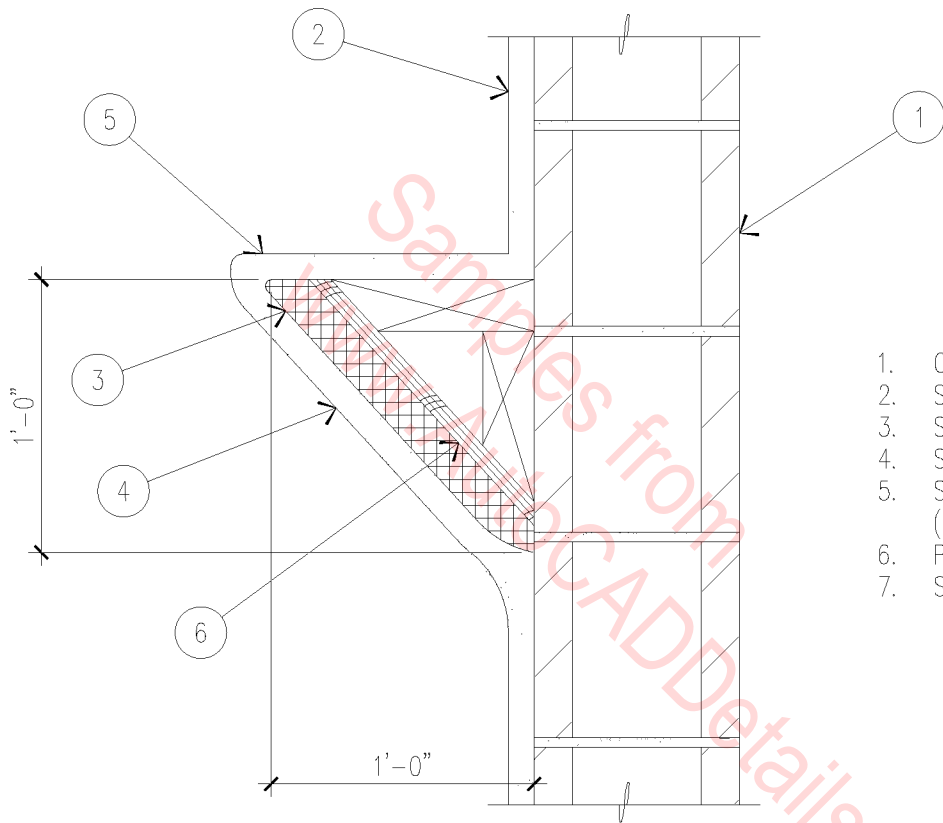
1. CMU WALL.
2. STUCCO ON CMU.
3. SHAPED RIGID FOAM.
4. STUCCO ON LATH.
5. SLOPE TO DRAIN, APPLY (3) COATS WATERSEAL.
6. PLYWOOD SHEATHING.
7. SHAPED 2 X NAILER.



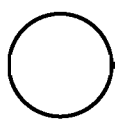
EXTERIOR TRIM

1 1/2" = 1'-0"

04B-1054



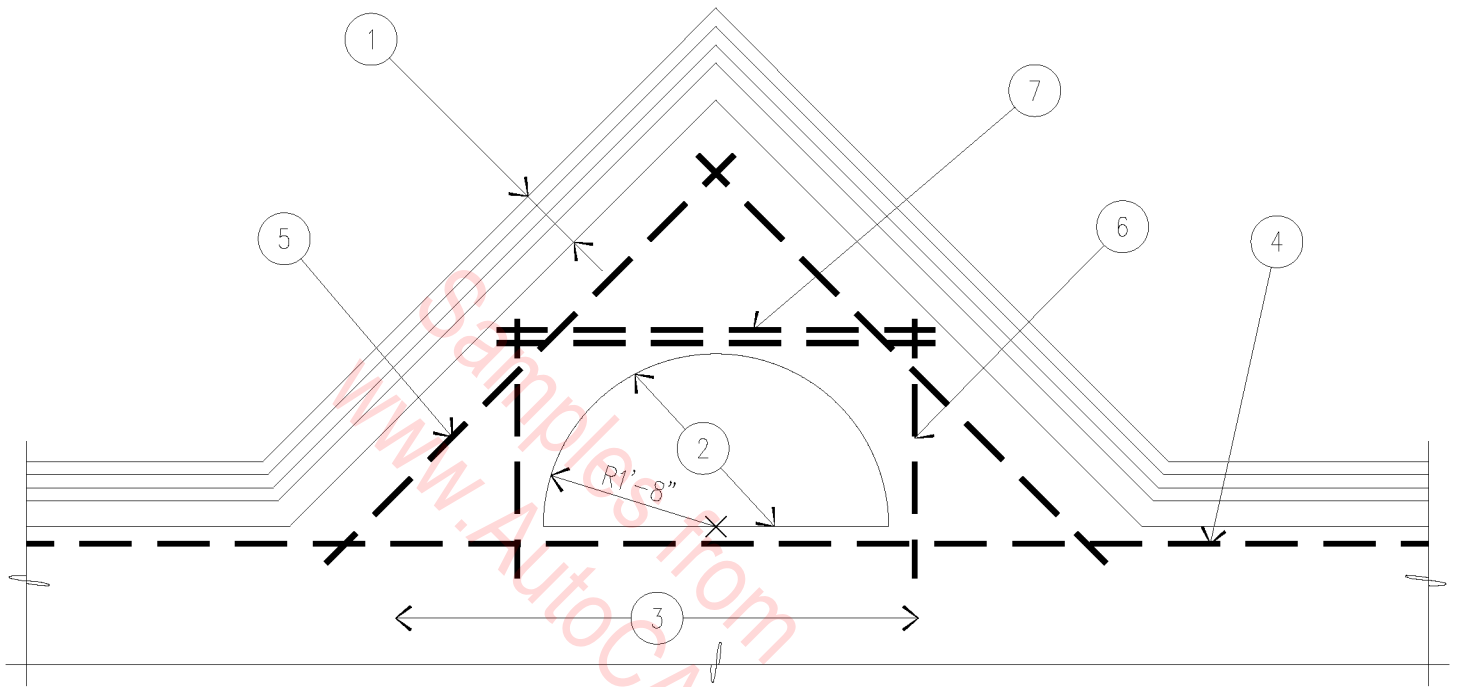
1. CMU WALL.
2. STUCCO ON CMU.
3. SHAPED RIGID FOAM.
4. STUCCO ON LATH.
5. SLOPE TO DRAIN, APPLY (3) COATS WATERSEAL.
6. PLYWOOD SHEATHING.
7. SHAPED 2 X NAILER.



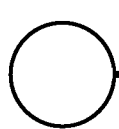
EXTERIOR TRIM

1 1/2" = 1'-0"

04B-1054



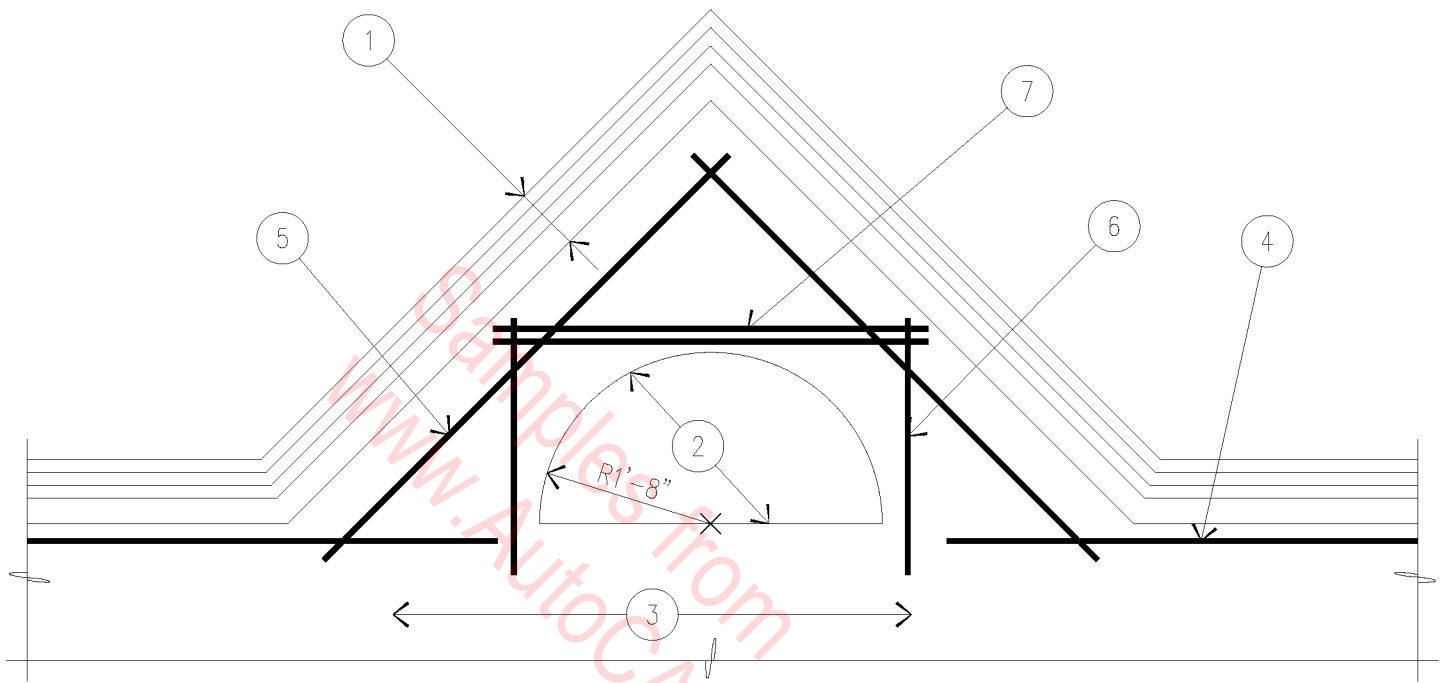
1. FOAM "POP-OUT" WITH CEMENT STUCCO FINISH OVER METAL LATH.
2. 1/2 ROUND MASONRY OPENING.
3. CEMENT STUCCO OVER MASONRY.
4. (1) #5 REBAR HORIZONTAL - FULL WIDTH OF WALL.
5. (1) #5 REBAR DIAGONALLY AT EACH SIDE OF OPENING.
6. (1) #5 REBAR VERTICALLY AT EACH SIDE OF OPENING.
7. (2) #5 REBAR HORIZONTAL ABOVE OPENING.



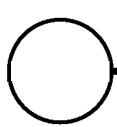
PEDIMENT REINFORCING

1/2" = 1'-0"

04B-1055



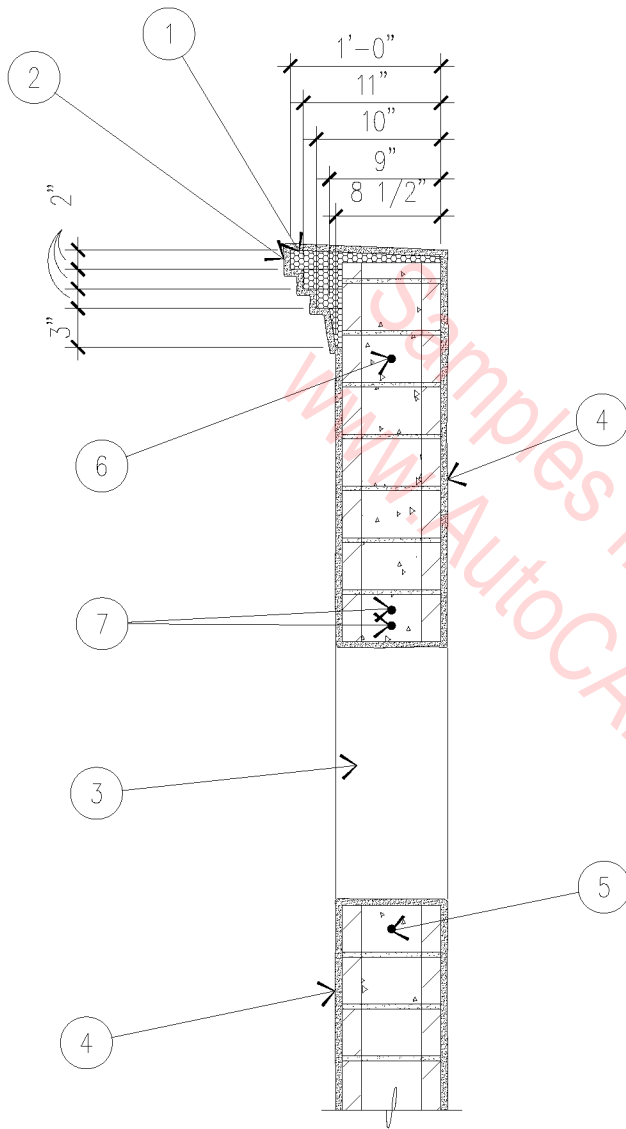
1. FOAM "POP-OUT" WITH CEMENT STUCCO FINISH OVER METAL LATH.
2. 1/2 ROUND MASONRY OPENING.
3. CEMENT STUCCO OVER MASONRY.
4. (1) #5 REBAR HORIZONTAL - FULL WIDTH OF WALL.
5. (1) #5 REBAR DIAGONALLY AT EACH SIDE OF OPENING.
6. (1) #5 REBAR VERTICALLY AT EACH SIDE OF OPENING.
7. (2) #5 REBAR HORIZONTAL ABOVE OPENING.



PEDIMENT REINFORCING

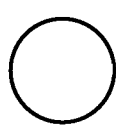
1/2" = 1'-0"

04B-1055



1. 1 1/2" THICK RIGID INSULATION.
2. CEMENT STUCCO FINISH OVER METAL LATH.
3. 1/2 ROUND MASONRY OPENING.
4. CEMENT STUCCO OVER MASONRY.
5. (1) #5 REBAR HORIZONTAL - FULL WIDTH OF WALL.
6. (1) #5 REBAR DIAGONALLY AT EACH SIDE OF OPENING.
7. (2) #5 REBAR HORIZONTAL ABOVE OPENING.

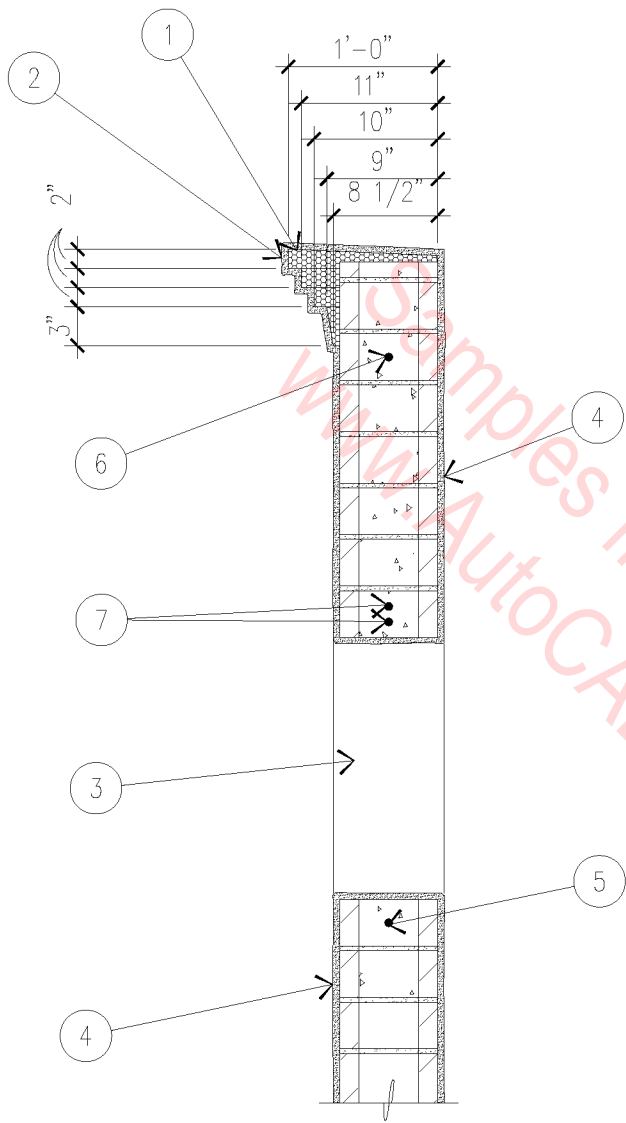
Samples from
 www.AutoCADDetails.net



PEDIMENT SECTION

3/4" = 1'-0"

04B-1056

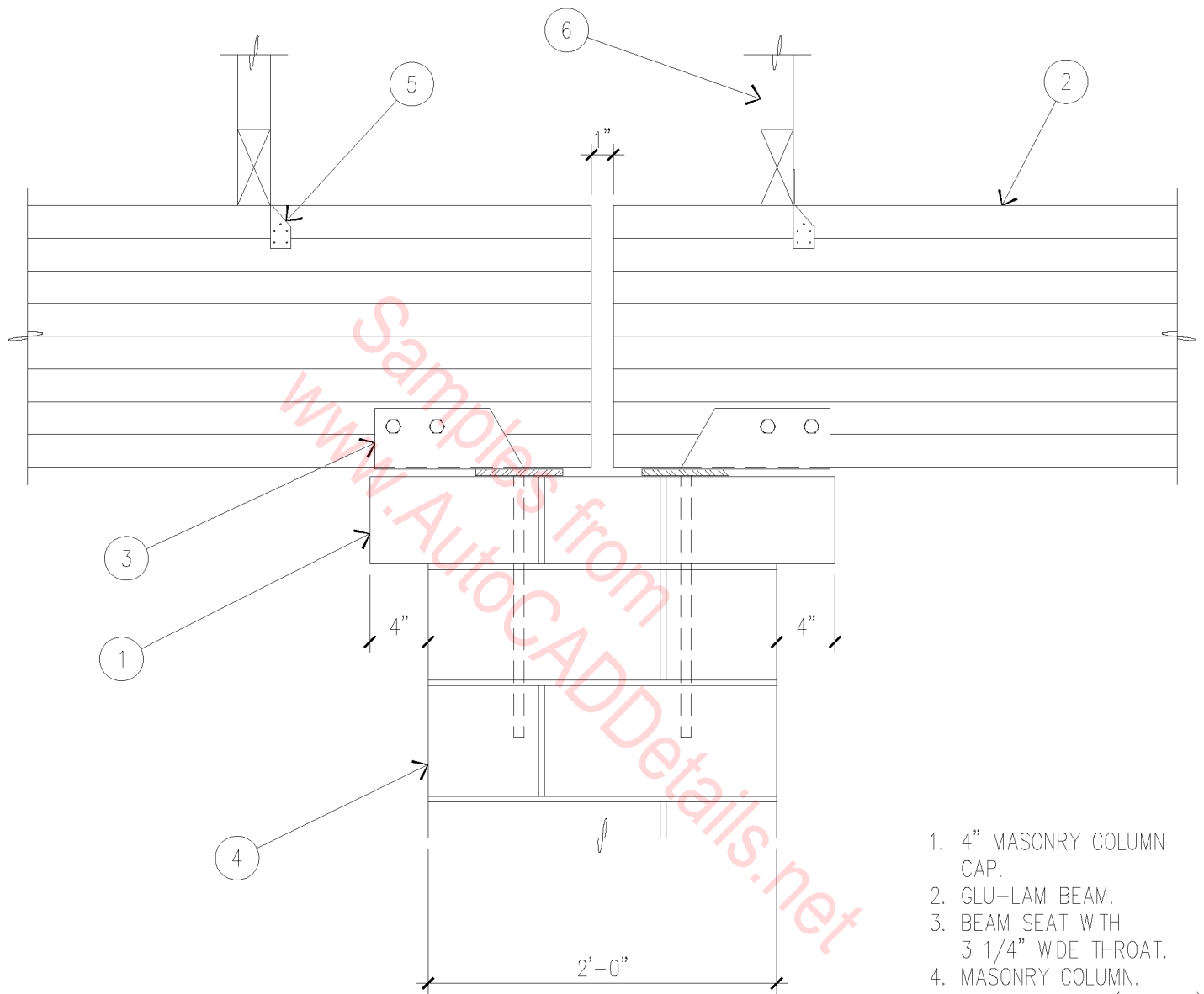


1. 1 1/2" THICK RIGID INSULATION.
2. CEMENT STUCCO FINISH OVER METAL LATH.
3. 1/2 ROUND MASONRY OPENING.
4. CEMENT STUCCO OVER MASONRY.
5. (1) #5 REBAR HORIZONTAL - FULL WIDTH OF WALL.
6. (1) #5 REBAR DIAGONALLY AT EACH SIDE OF OPENING.
7. (2) #5 REBAR HORIZONTAL ABOVE OPENING.

PEDIMENT SECTION

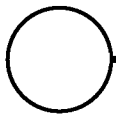
3/4" = 1'-0"

04B-1056



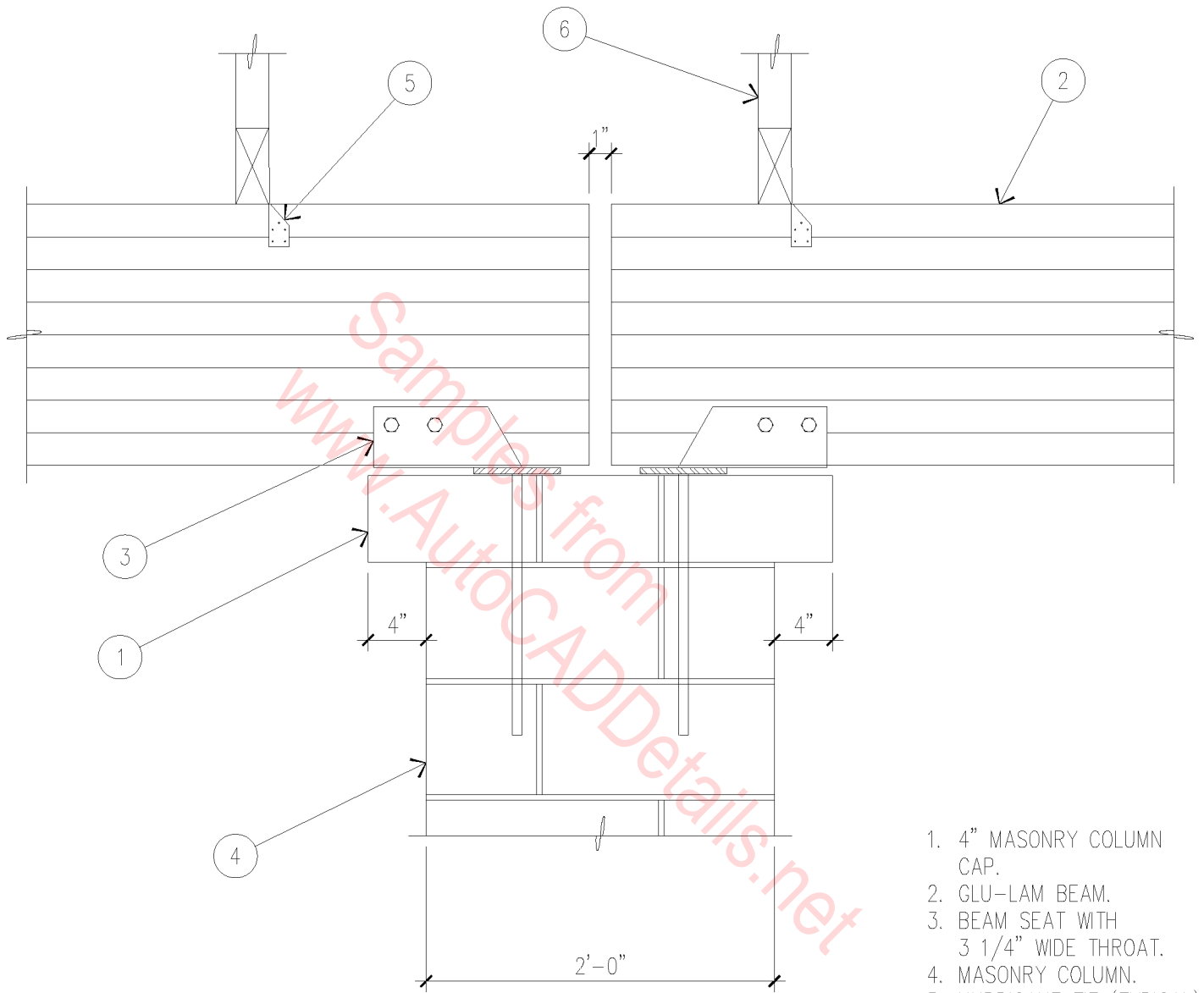
1. 4" MASONRY COLUMN CAP.
2. GLU-LAM BEAM.
3. BEAM SEAT WITH 3 1/4" WIDE THROAT.
4. MASONRY COLUMN.
5. HURRICANE TIE (TYPICAL).
6. PREFABRICATED WOOD TRUSSES AT 24" ON CENTER.

BEAM SEAT AT CMU COLUMN



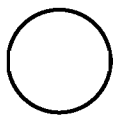
1" = 1'-0"

04B-1057



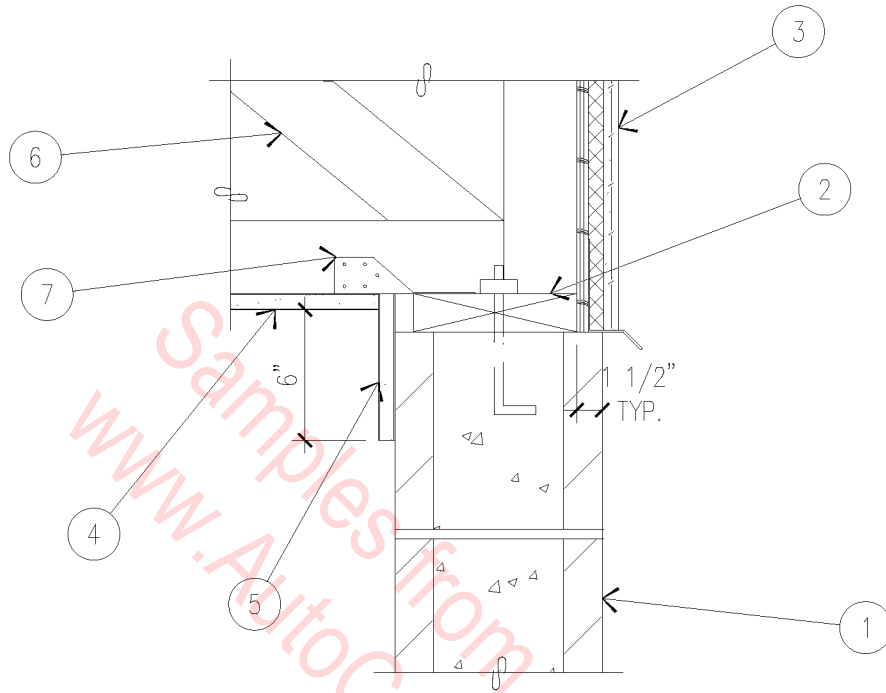
1. 4" MASONRY COLUMN CAP.
2. GLU-LAM BEAM.
3. BEAM SEAT WITH 3 1/4" WIDE THROAT.
4. MASONRY COLUMN.
5. HURRICANE TIE (TYPICAL).
6. PREFABRICATED WOOD TRUSSES AT 24" ON CENTER.

BEAM SEAT AT CMU COLUMN



1" = 1'-0"

04B-1057

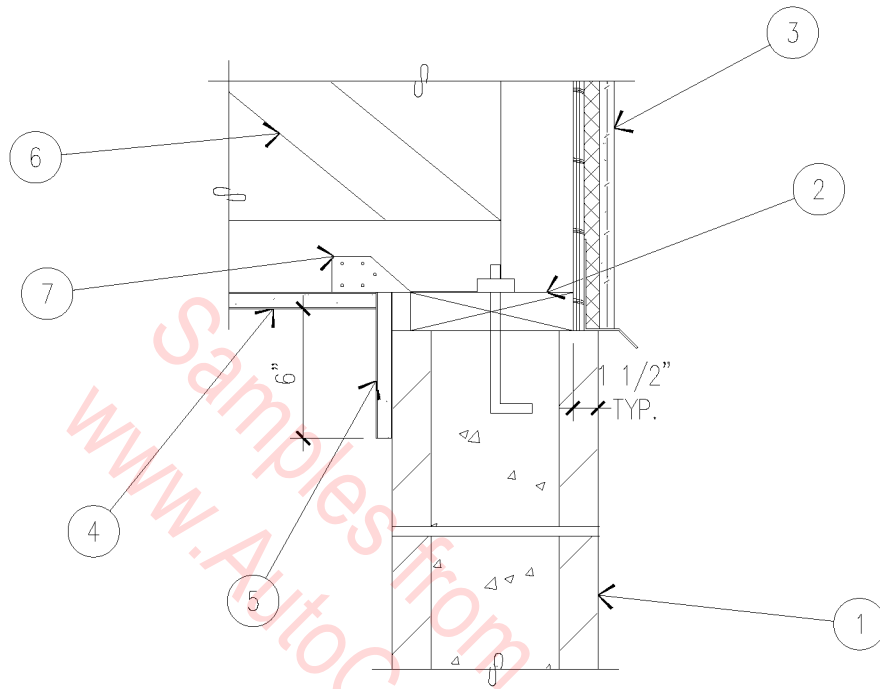


1. 8" CMU WALL.
2. 2" x 8" TOP PLATE.
3. STUCCO SYSTEM.
4. 5/8" EXTERIOR GRADE GYPSUM BOARD CEILING.
5. 5/8" GYPSUM BOARD.
6. PREFABRICATED WOOD TRUSS.
7. HURRICANE TIE.

○ TRUSS AT CMU WALL

1 1/2" = 1'-0"

04B-1058

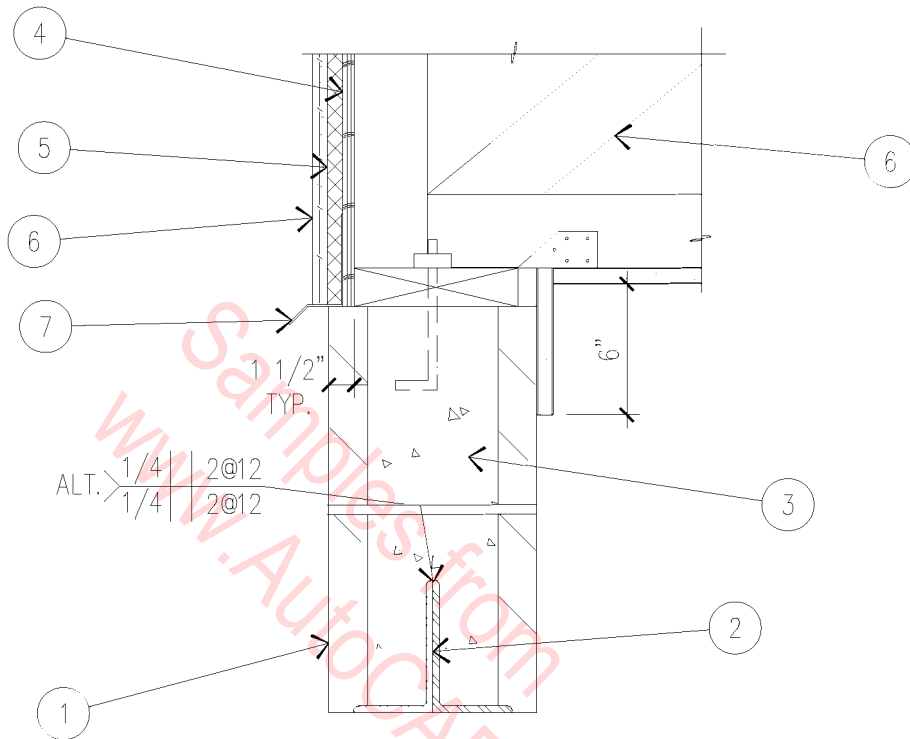


1. 8" CMU WALL.
2. 2" x 8" TOP PLATE.
3. STUCCO SYSTEM.
4. 5/8" EXTERIOR GRADE GYPSUM BOARD CEILING.
5. 5/8" GYPSUM BOARD.
6. PREFABRICATED WOOD TRUSS.
7. HURRICANE TIE.

○ TRUSS AT CMU WALL

1 1/2" = 1'-0"

04B-1058

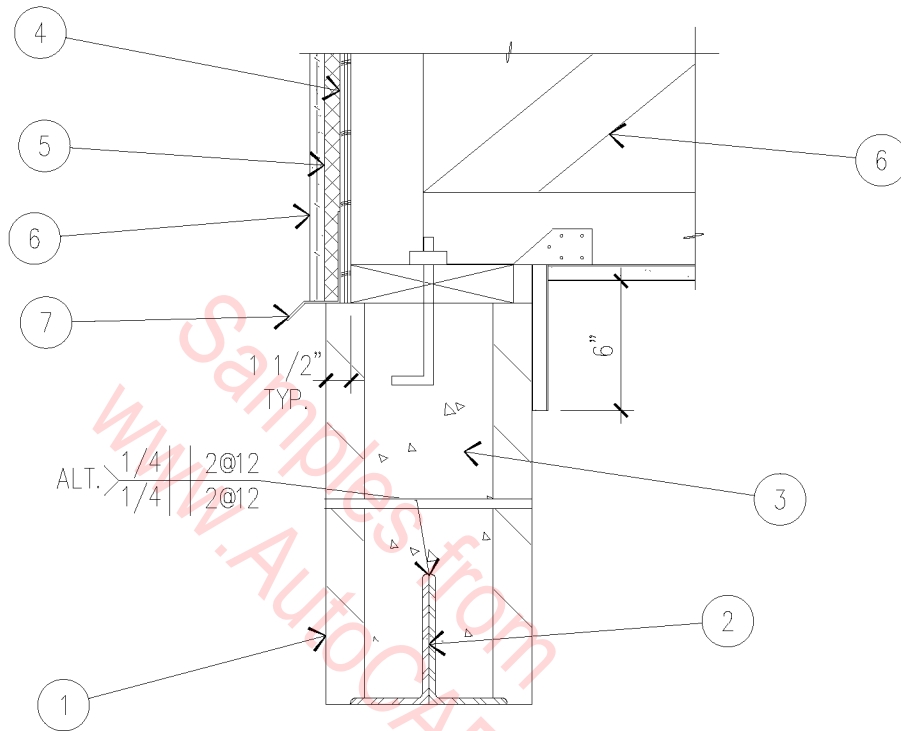


1. 8" CMU.
2. (2) 5" X 3" X 1/4" ANGLES LINTEL WITH 4" BEARING AT EACH END.
3. CONTINUOUS BOND BEAM.
4. 3/8" OSB OR PLYWOOD.
5. 1" RIGID INSULATION.
6. PREFABRICATED WOOD TRUSS.
7. 3/4" STUCCO OVER METAL LATH.
8. WEEP SCREED STUCCO STOP.

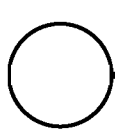
TRUSS AT CMU OPENING

1 1/2" = 1'-0"

04B-1059



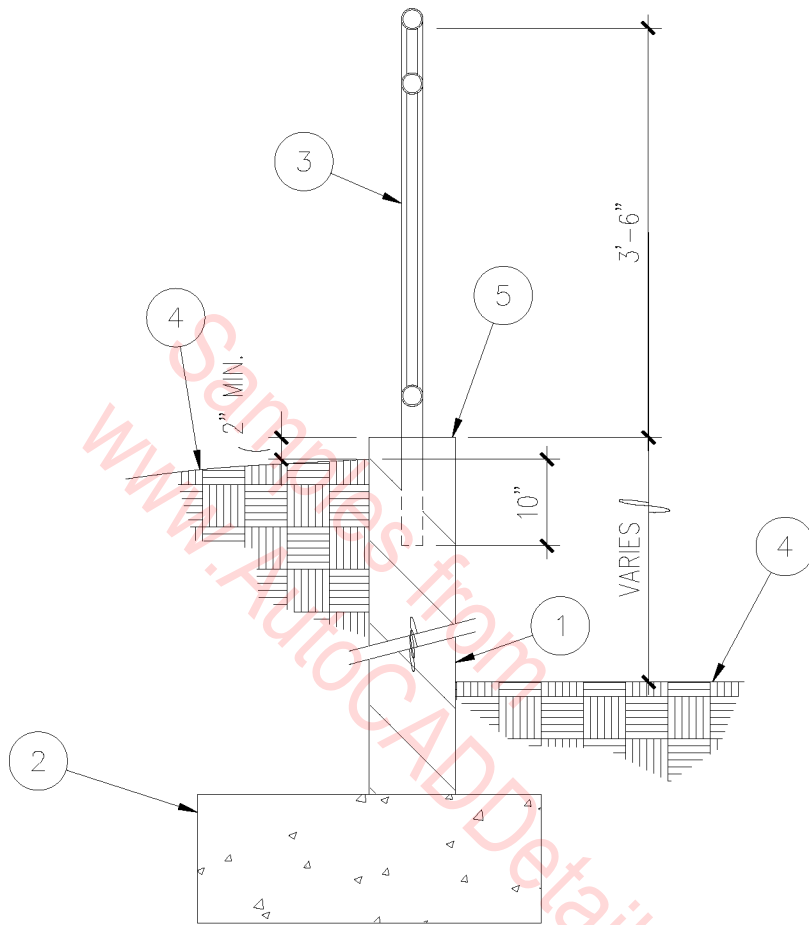
1. 8" CMU.
2. (2) 5" X 3" X 1/4" ANGLES LINTEL WITH 4" BEARING AT EACH END.
3. CONTINUOUS BOND BEAM.
4. 3/8" OSB OR PLYWOOD.
5. 1" RIGID INSULATION.
6. PREFABRICATED WOOD TRUSS.
7. 3/4" STUCCO OVER METAL LATH.
8. WEEP SCREED STUCCO STOP.



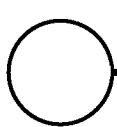
TRUSS AT CMU OPENING

1 1/2" = 1'-0"

04B-1059



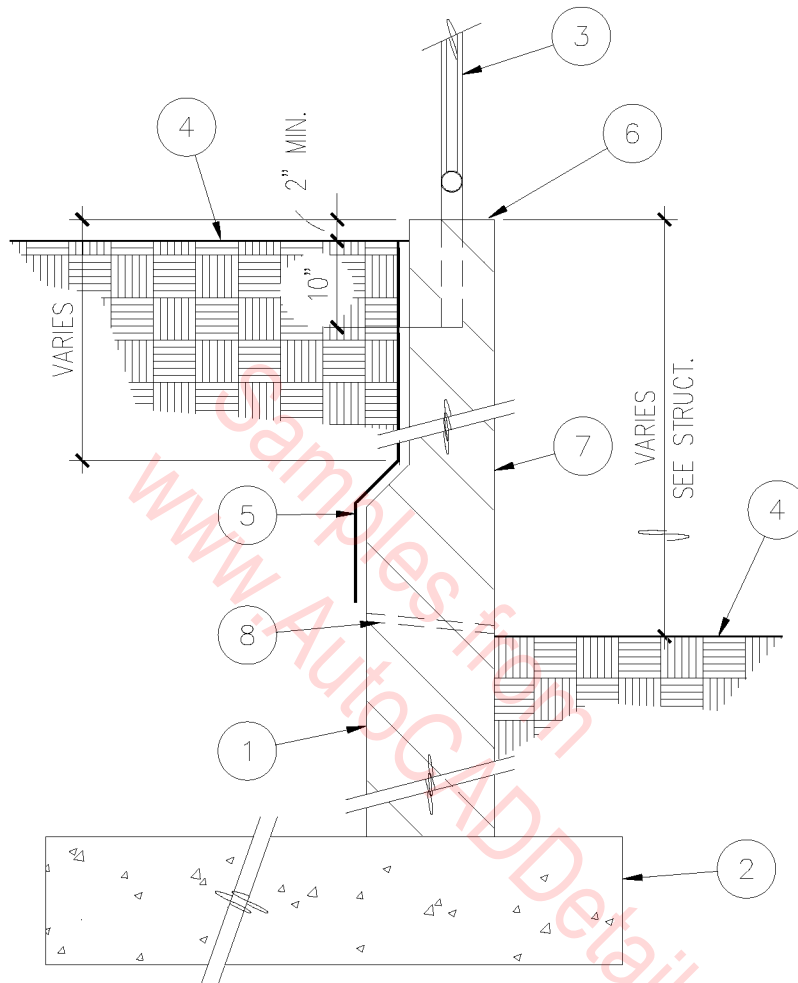
1. EXPOSED FACE OF WALL SPLIT FACE BLOCK.
2. CONCRETE FOOTING – SEE STRUCTURAL.
3. TYPICAL GUARD RAIL.
4. FINISH GRADE.
5. SLOPE TOP OF WALL WHERE APPLICABLE SAW CUT BLOCK AS REQUIRED.



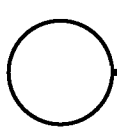
GUARD RAIL @ RET. WALL

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

04B-2001



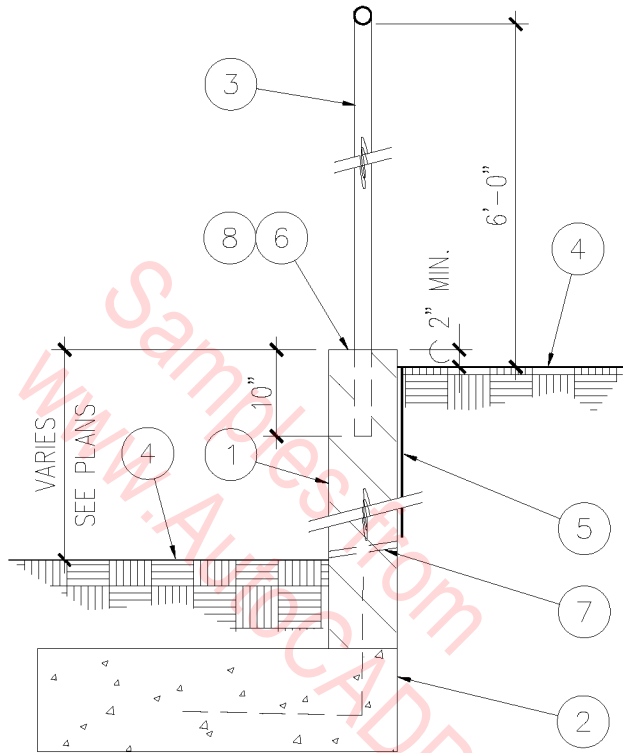
1. RETAINING WALL.
2. CONCRETE FOOTING - SEE STRUCTURAL.
3. GUARD RAIL.
4. FINISH GRADE.
5. WATERPROOFING.
6. SLOPE TOP OF WALL WHERE APPLICABLE.
SAW CUT BLOCK AS REQUIRED.
7. EXPOSED FACE OF WALL - SPLIT
FACE BLOCK.



GUARD RAIL @ RET. WALL

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

04B-2002

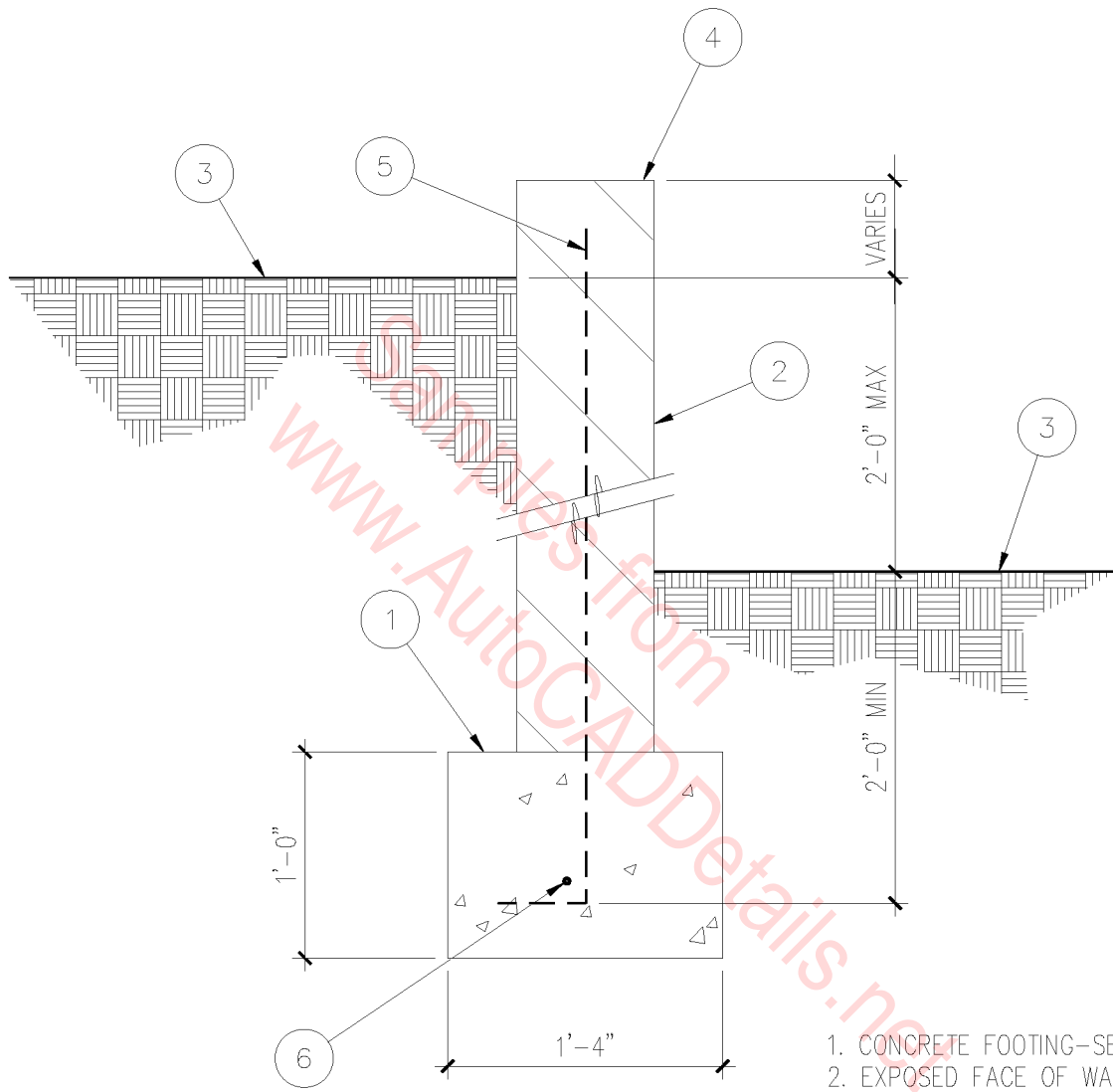


1. RETAINING WALL - SEE STRUCTURAL.
2. CONCRETE FOOTING - SEE STRUCTURAL.
3. GUARD RAIL.
4. FINISH GRADE.
5. WATERPROOFING.
6. SOLID CAP BLOCK.
7. WEEP HOLE.
8. SLOPE TOP OF WALL WHERE APPLICABLE
SAW CUT BLOCK AS REQUIRED.

RETAINING WALL WITH OFFSET FOOTING

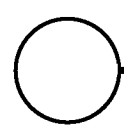
SCALE: 1/2" = 1'-0"

04B-2003



www.AutocADDetails.com

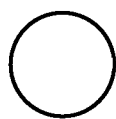
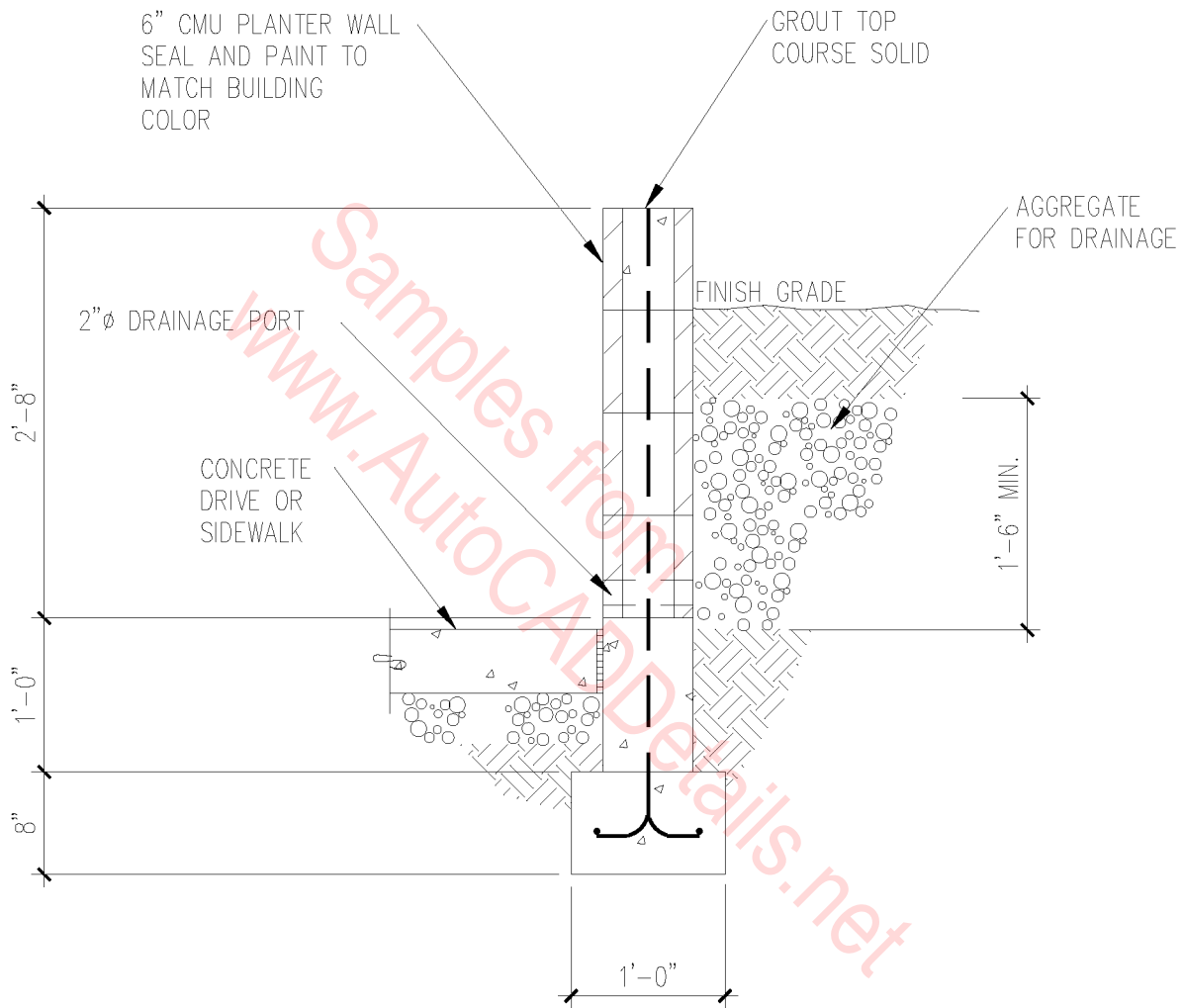
1. CONCRETE FOOTING—SEE STRUCTURAL.
2. EXPOSED FACE OF WALL SPLIT FACE BLOCK.
3. FINISH GRADE.
4. SLOPE TOP OF WALL WHERE APPLICABLE SAW CUT BLOCK AS REQUIRED.
5. #5 REBAR AT 48" O.C.
6. #4 REBAR CONT.



RETAINING WALL

SCALE: 1" = 1'-0"

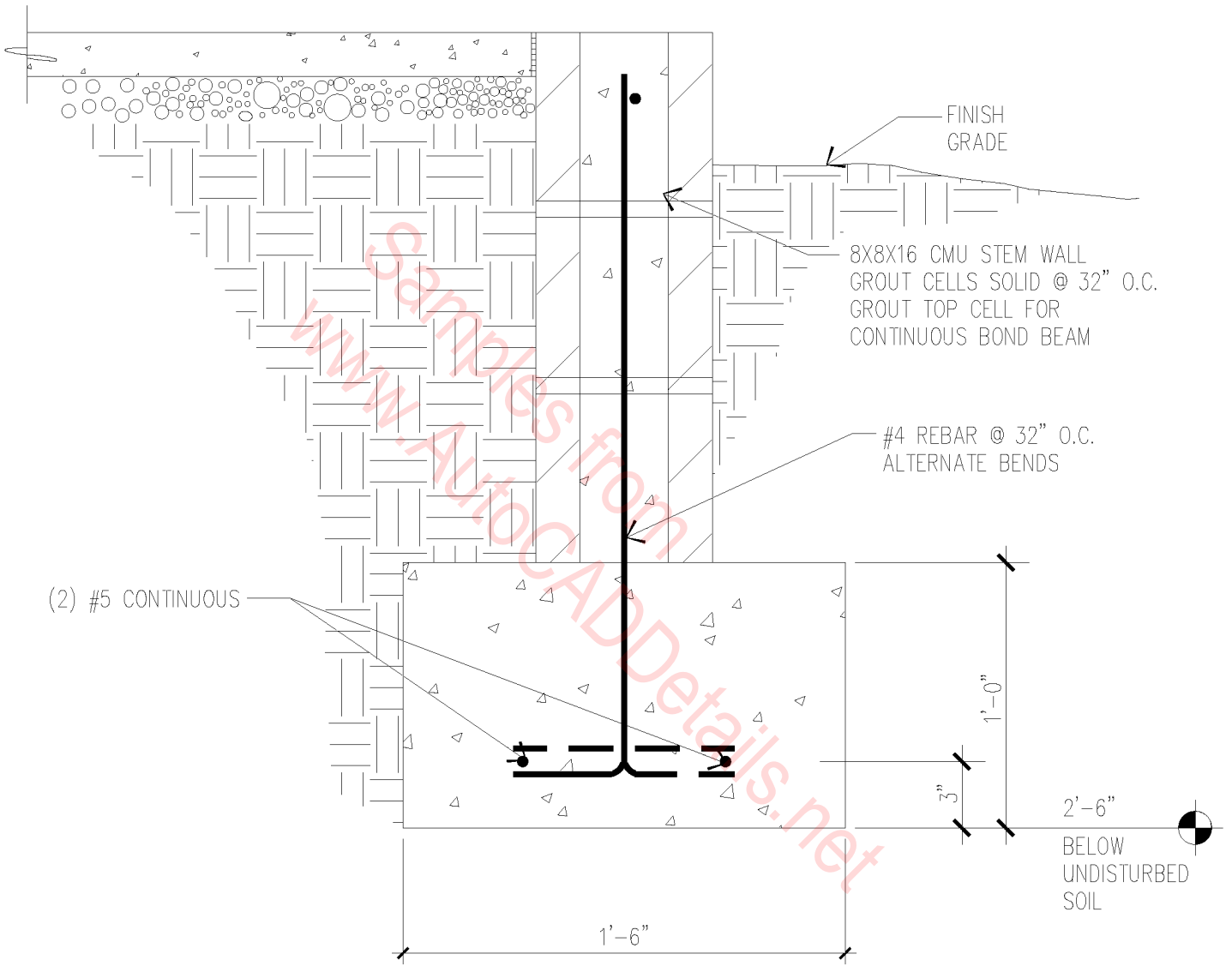
04B-2004



C.M.U. PLANTER SECTION

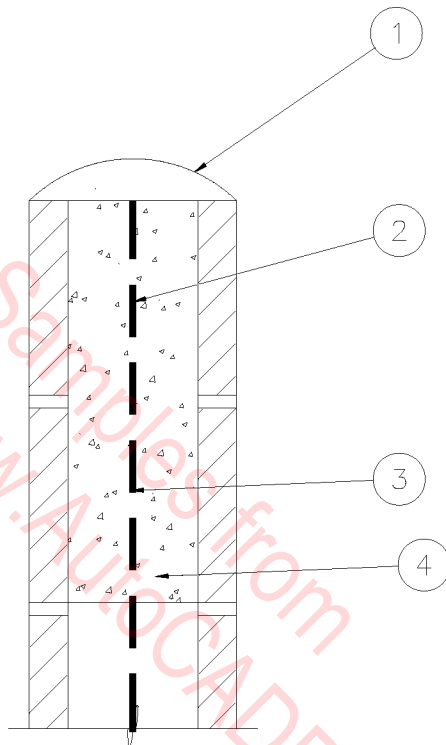
3/4" = 1'-0"

04B-2005



○ MASONRY RETAINING WALL
 1 1/2" = 1'-0"

04B-2006

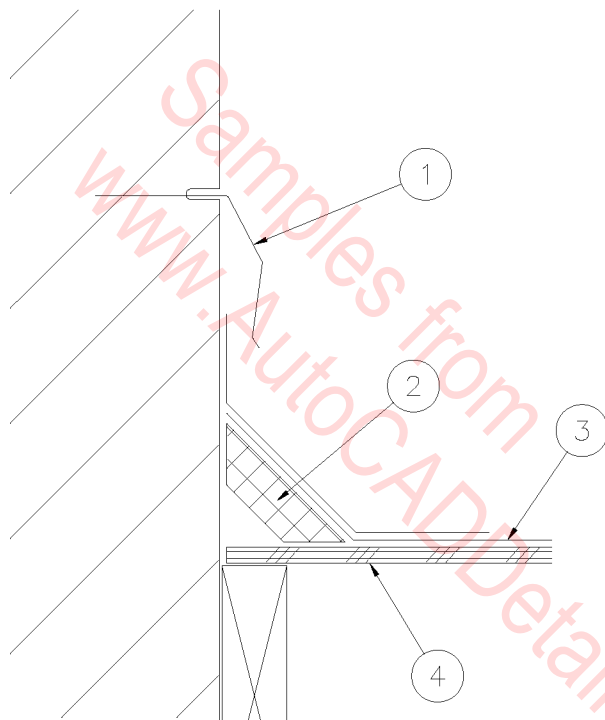


1. MORTAR CAP SLOPE TO DRAIN.
2. SINGLE SCORED C.M.U.
SEE STRUCTURAL PLAN FOR
REINFORCING.
3. #4 REBAR CONTINUOUS.
4. GROUT SOLID - TOP
2 COURSES

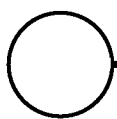
○ PARAPET DETAIL

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

04B-3001



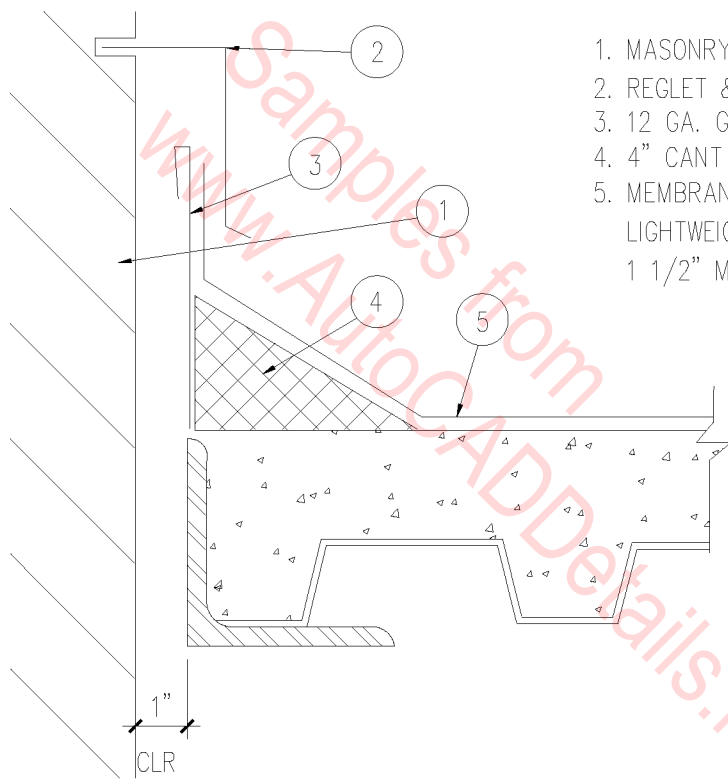
1. "FRY" TYPE REGLET
2. FIBER CANT STRIP.
3. CLASS "A" BUILT UP ROOFING.
4. PLYWOOD SHEATHING.



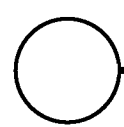
CANT DETAIL

SCALE: 3" = 1'-0"

04B-3002



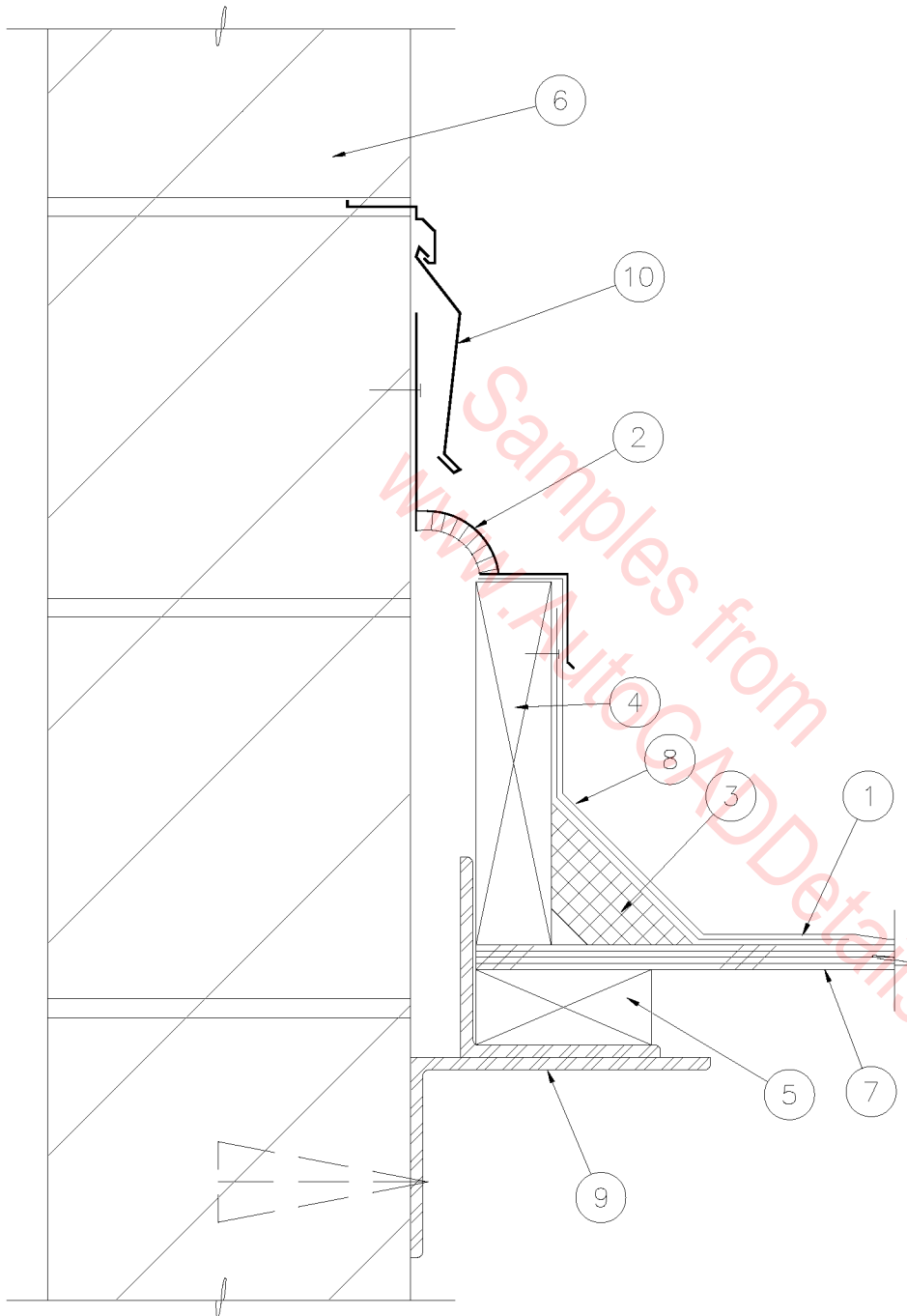
1. MASONRY WALL.
2. REGLET & COUNTER FLASHING.
3. 12 GA. GI CONT. FLASHING.
4. 4" CANT STRIP.
5. MEMBRANE ROOFING OVER
LIGHTWEIGHT FILL OVER
1 1/2" METAL DECKING.



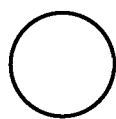
ROOFING EXPANSION JOINT

SCALE: 3" = 1'-0"

04B-3003



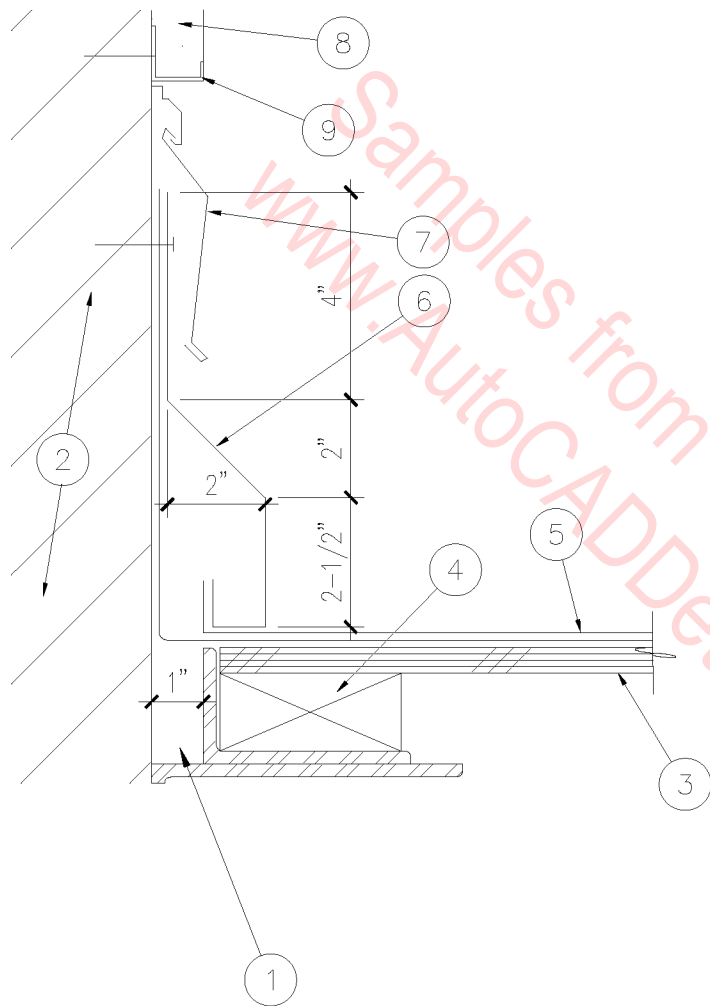
1. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
2. EXPANSION JOINT COVER, COAT ALL NEOPRENE MATERIAL WITH WHITE ELASTOMERIC COATING AFTER INSTALLATION.
3. 4" CANT STRIP.
4. 2 x 8 FIRE RETARDANT TREATED WOOD CURB.
5. STRUCTURAL NAILER.
6. MASONRY WALL.
7. PLYWOOD ROOF DECK.
8. FLASHING SYSTEM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



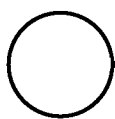
EXPANSION JOINT COVER

SCALE: 1" = 1'-0"

04B-3004



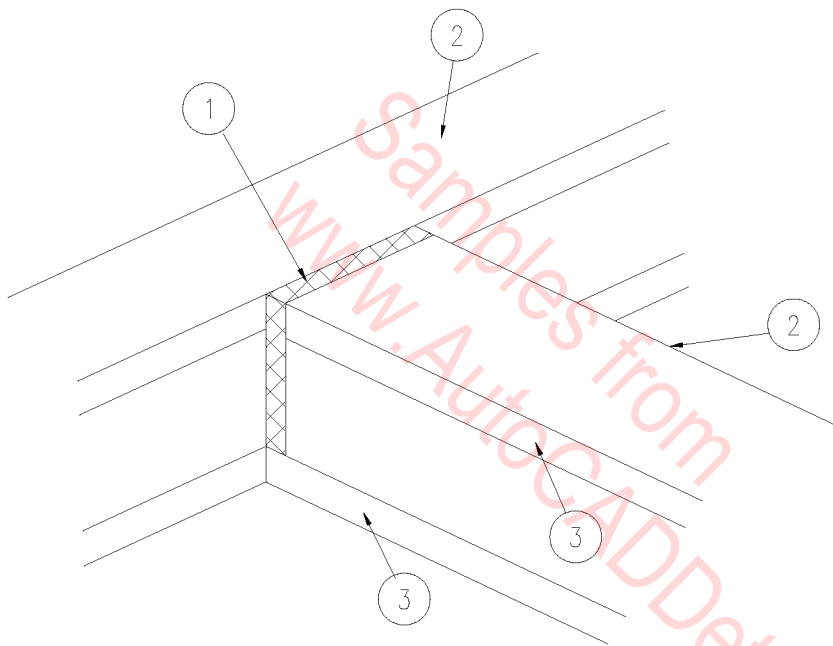
1. STRUCTURAL SLIP JOINT.
2. MASONRY WALL.
3. PLYWOOD DECK.
4. CONTINUOUS NAILER.
5. METAL ROOFING SYSTEM.
6. METAL FLASHING BY METAL ROOFING MANUFACTURER.
7. REGLET AND COUNTERFLASHING SURFACE ATTACHED UNDER STUCCO
8. CEMENT PLASTER.
9. CASING BEAD PARALLEL TO PLANE OF ROOF.
10. 40 MIL ELASTOMERIC MEMBRANE.



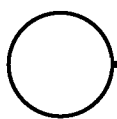
EXPANSION JOINT

SCALE: 3" = 1'-0"

04B-3005



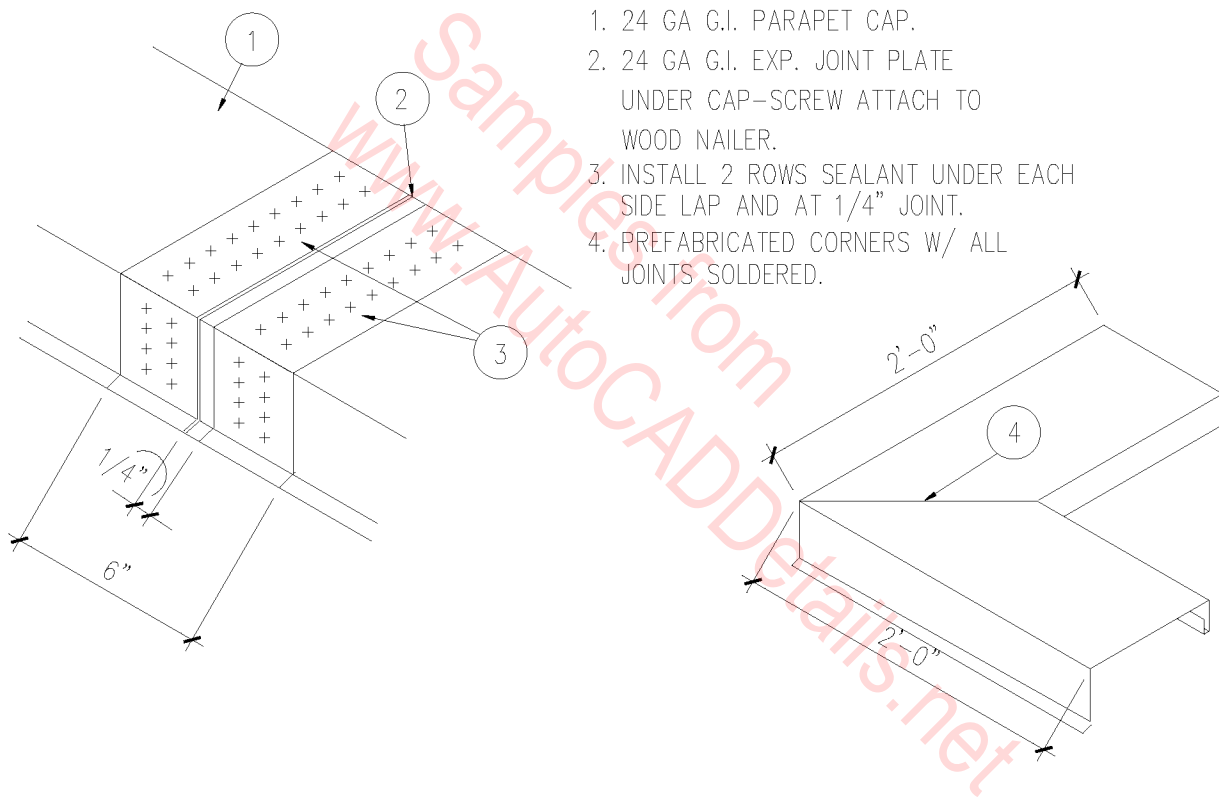
1. PRE-MANUFACTURED COMPRESSIBLE EXP. JOINT FILLER.
2. TOP OF PARAPET WALL.
3. FLASHING.



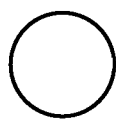
EXPOSED JOINT

SCALE: 3" = 1'-0"

04B-3006



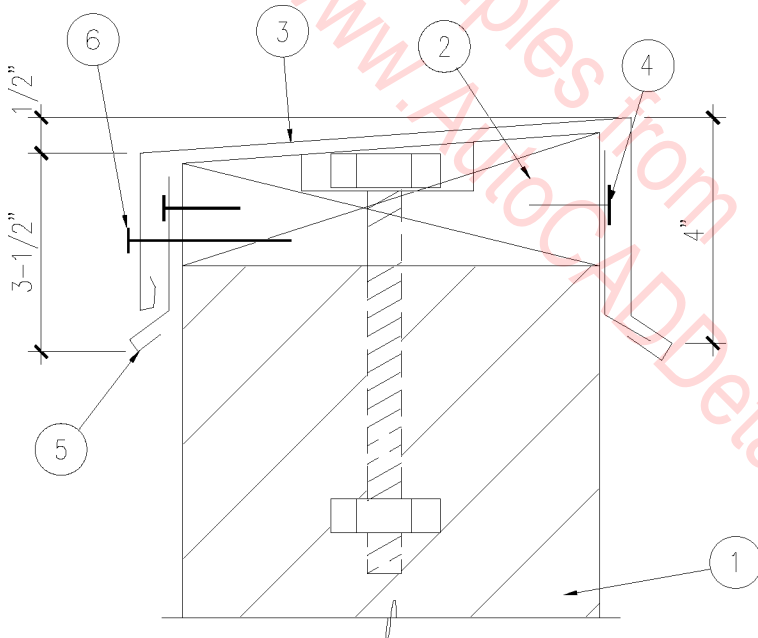
1. 24 GA G.I. PARAPET CAP.
2. 24 GA G.I. EXP. JOINT PLATE UNDER CAP-SCREW ATTACH TO WOOD NAILER.
3. INSTALL 2 ROWS SEALANT UNDER EACH SIDE LAP AND AT 1/4" JOINT.
4. PREFABRICATED CORNERS W/ ALL JOINTS SOLDERED.



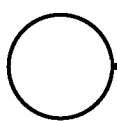
CAP FLASHING

SCALE: 3" = 1'-0"

04B-3007



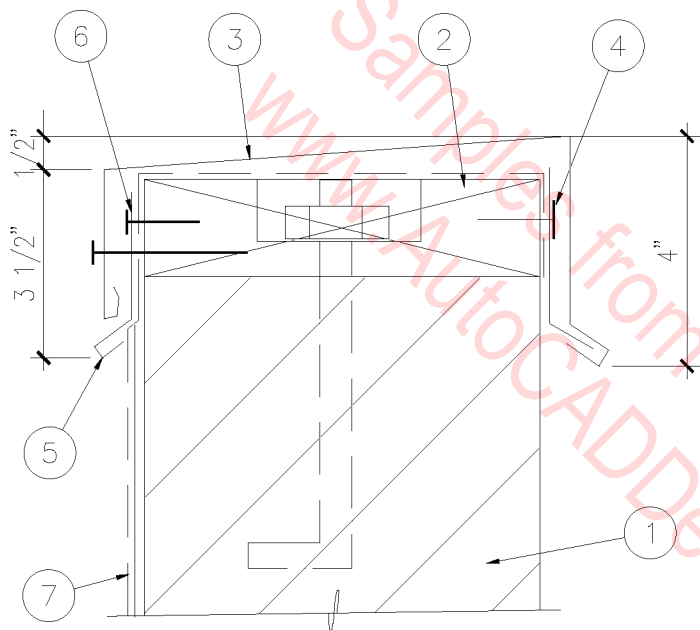
1. MASONRY WALL.
2. TAPERED WOOD
NAILER W/ 1/2" ϕ
X 8" A.B's @ 48" O.C.
COUNTERSUNK.
3. 24 GA G.I. CAP FLASHING.
4. 12 GA X 2" WIDE
CONCEALED CLIPS @ 24"
O.C.-SCREW ATTACH TO
NAILER W/ #8 X 1"
COATED SCREWS.
5. 24 GA G.I. HEMMED
FLASHING SCREW ATTACH
W/ #8 X 1" COATED
SCREWS @ 24" O.C.
6. #8 X 1 1/2"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



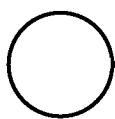
PARAPET CAP

SCALE: 3" = 1'-0"

04B-3008



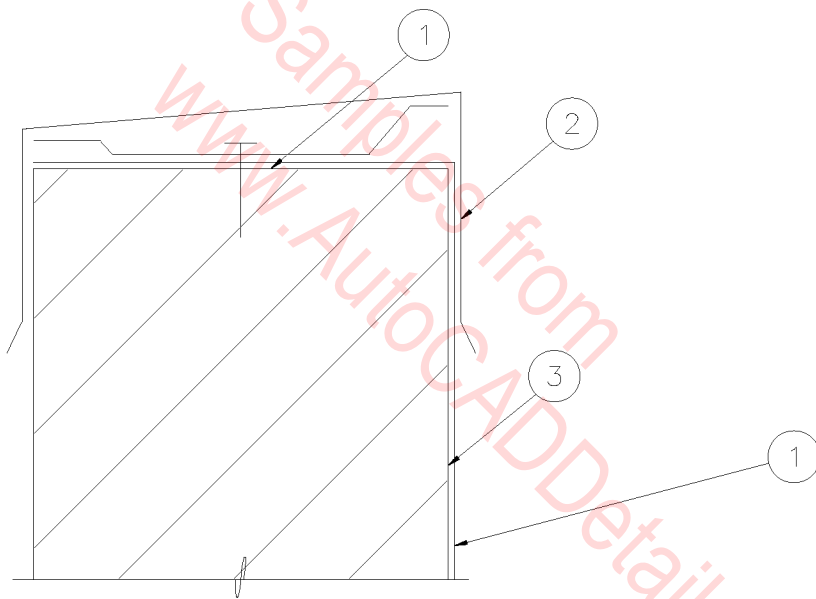
1. MASONRY WALL.
2. TREATED WOOD
NAILER W/ 1/2" ϕ
X 8" ANCHOR BOLTS @
48" O.C. COUNTERSUNK.
3. PREFABRICATED METAL
COPING.
4. 12 GA X 2" WIDE
CONCEALED CLIPS @ 24"
O.C.-SCREW ATTACH TO
NAILER W/ #8 X 1"
COATED SCREWS.
5. 24 GA. METAL HEMMED
FLASHING. SCREW ATTACH
W/ #8 X 1" COATED
SCREWS @ 24" O.C.
6.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



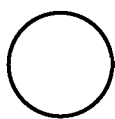
METAL COPING

SCALE: 1" = 1'-0"

04B-3009



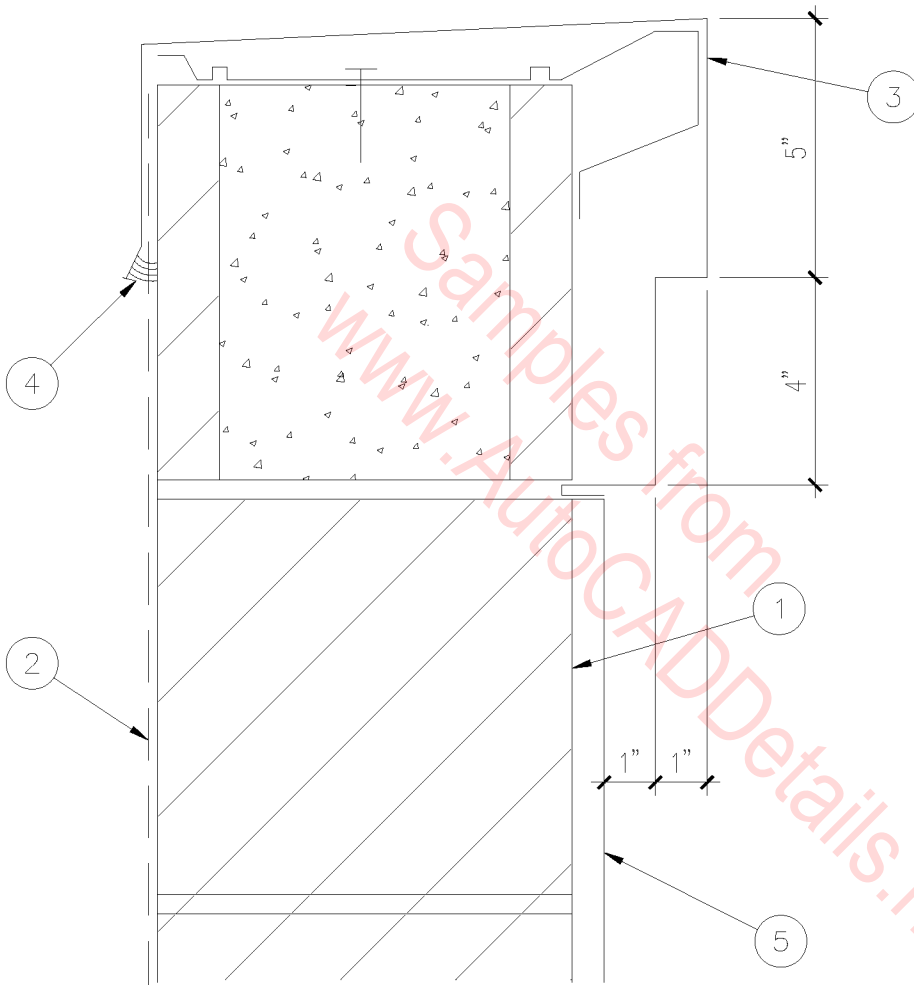
- 1. RUN ELASTOMERIC COATING OVER TOP OF WALL.
- 2. 24 GA. G.I. CAP FLASHING.
- 3. CMU WALL.



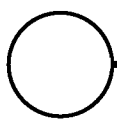
PARAPET CAP

SCALE: 3" = 1'-0"

04B-3010



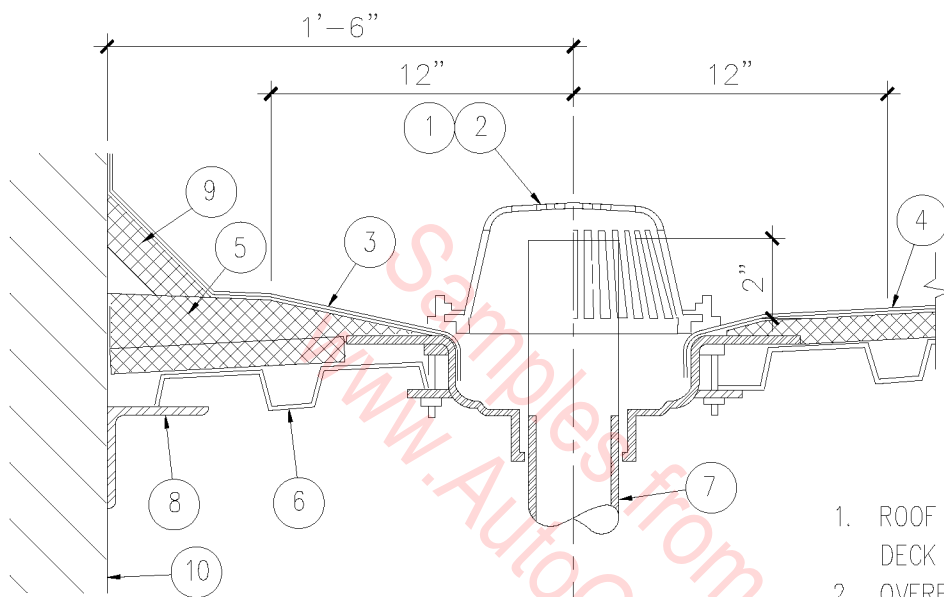
1. MASONRY WALL.
2. ELASTOMERIC COATING.
3. 22 GA. G.I. COPING.
4. SEALANT CONTINUOUS.
5. 5/8" CEMENT PLASTER.



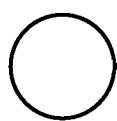
PARAPET CAP FLASHING

SCALE: 3" = 1'-0"

04B-3011



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

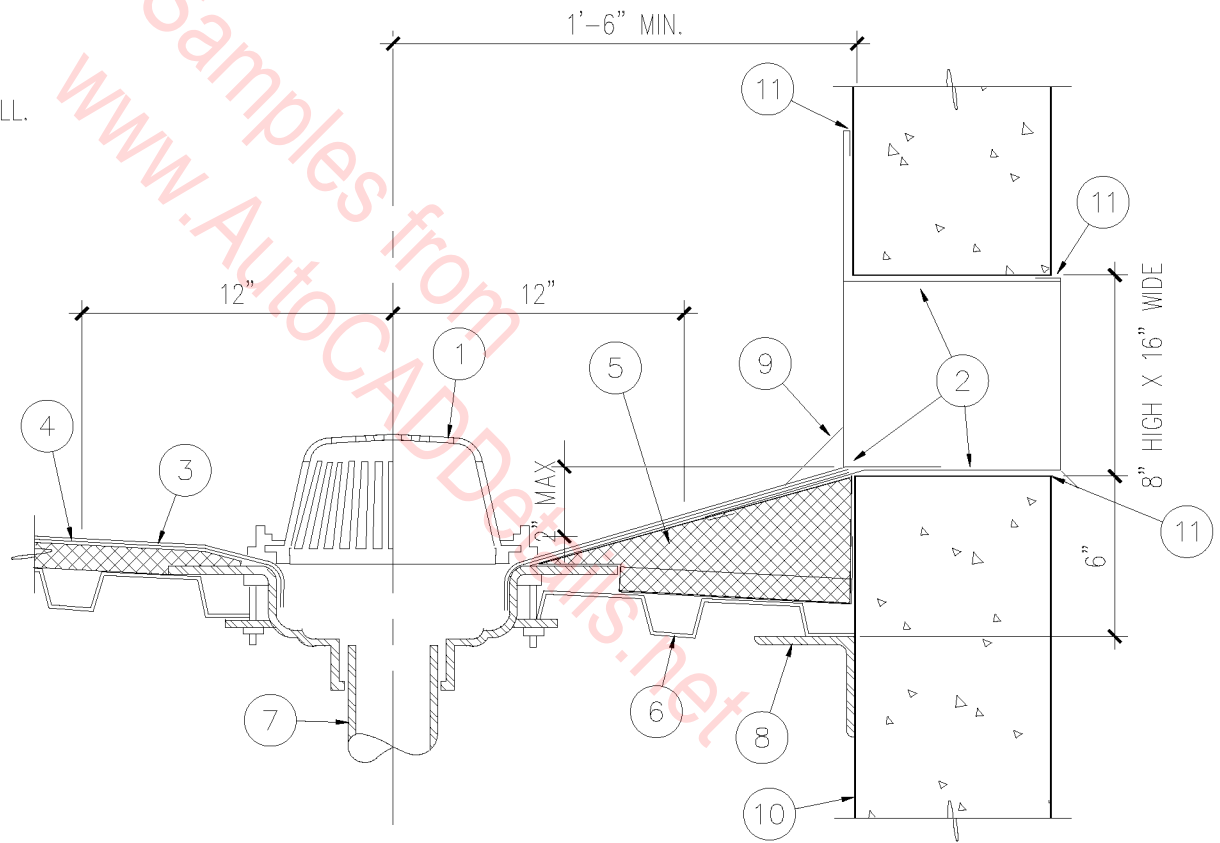


ROOF & OVERFLOW DRAIN

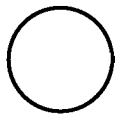
SCALE: 1 1/2" = 1'-0"

04B-3012

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

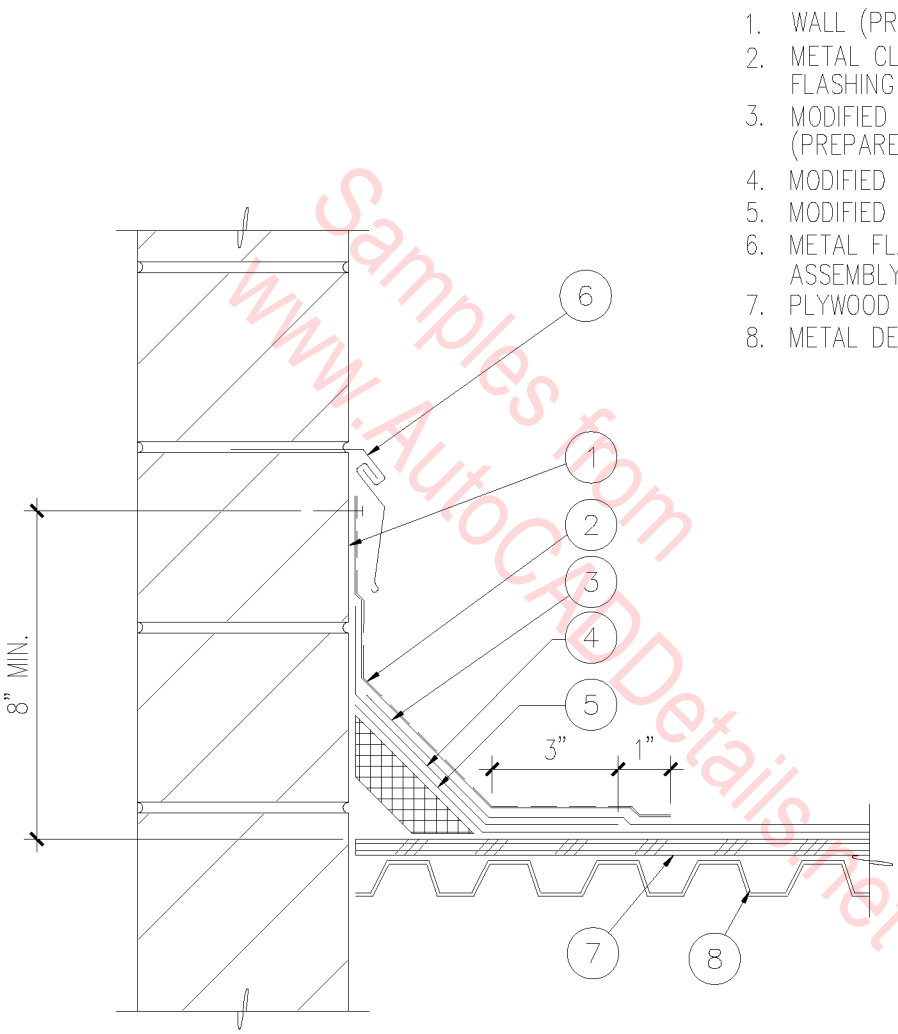


ROOF DRAIN AND OVERFLOW SCUPPER



1 1/2" = 1'-0"

04B-3013

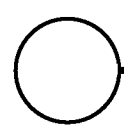


1. WALL (PRIME MASONRY SURFACES).
2. METAL CLAD MODIFIED BITUMEN FLASHING (TORCH & FASTEN 9" O.C.).
3. MODIFIED BITUMEN CAP SHEET (PREPARE GRANULAR SURFACE).
4. MODIFIED BITUMEN REINFORCING SHEET.
5. MODIFIED BITUMEN BASE PLY.
6. METAL FLASHING/COUNTERFLASHING ASSEMBLY.
7. PLYWOOD ROOF SHEATHING.
8.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

8" MIN.

3"

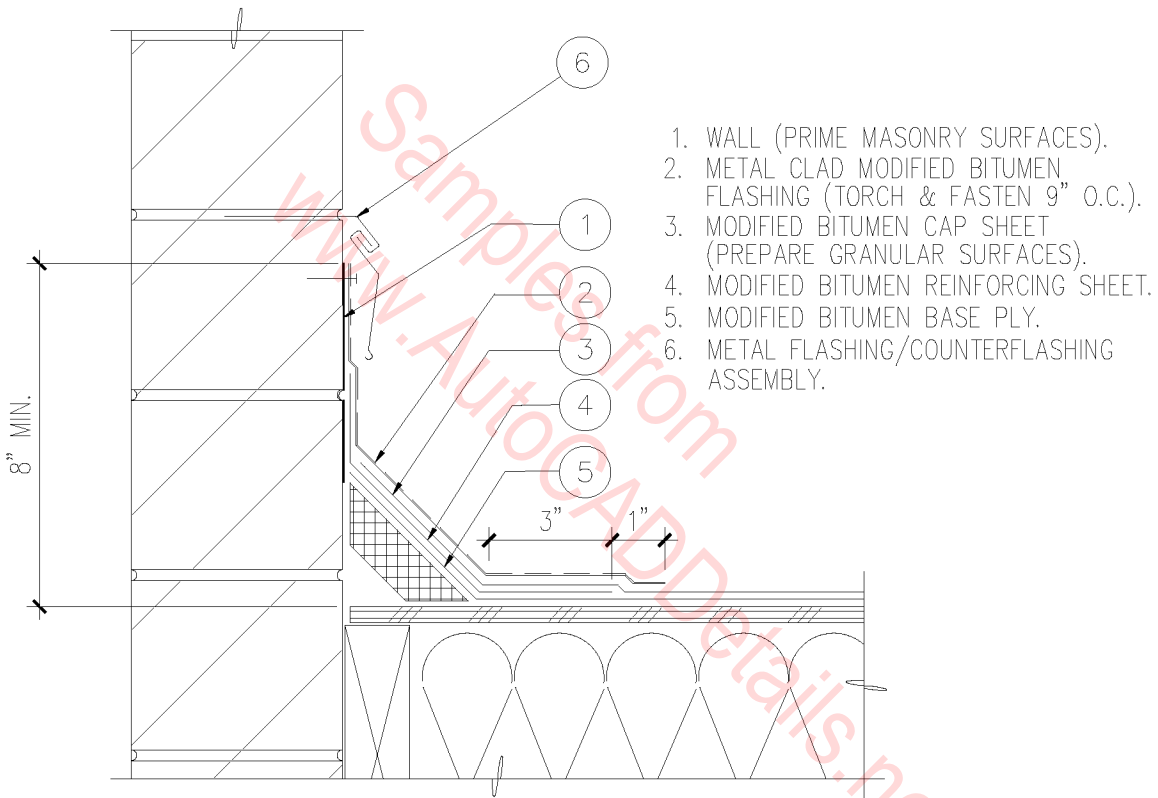
1"



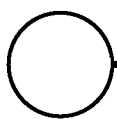
REGLET AT METAL ROOF

SCALE: 3" = 1'-0"

04B-3014



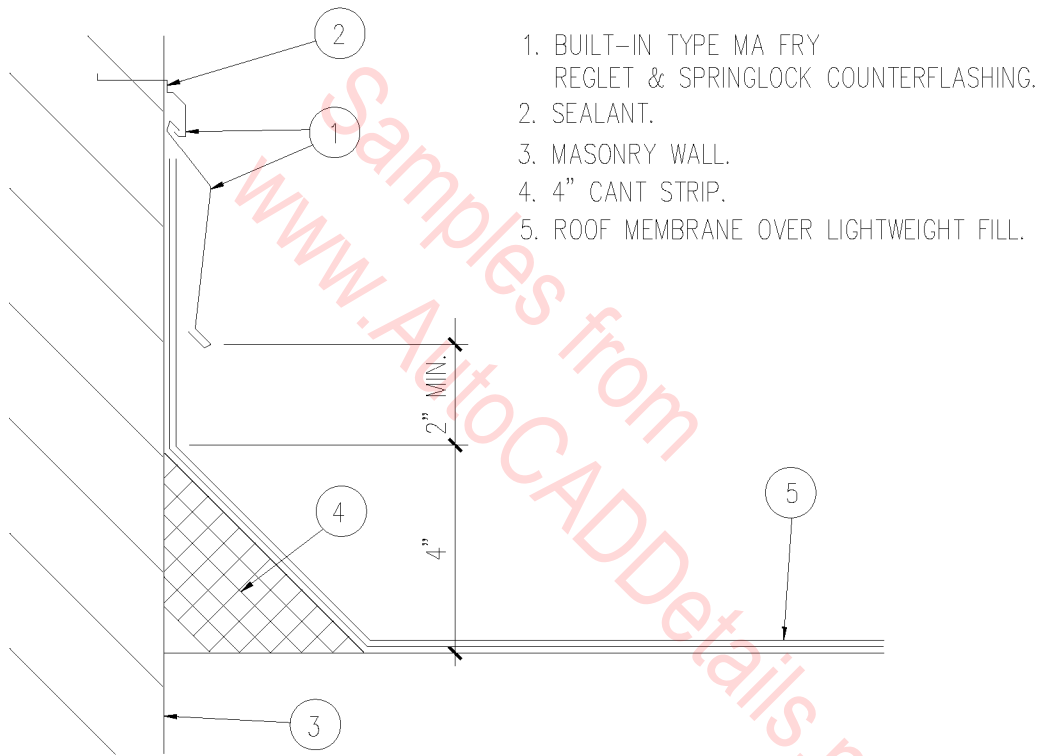
1. WALL (PRIME MASONRY SURFACES).
2. METAL CLAD MODIFIED BITUMEN FLASHING (TORCH & FASTEN 9" O.C.).
3. MODIFIED BITUMEN CAP SHEET (PREPARE GRANULAR SURFACES).
4. MODIFIED BITUMEN REINFORCING SHEET.
5. MODIFIED BITUMEN BASE PLY.
6. METAL FLASHING/COUNTERFLASHING ASSEMBLY.



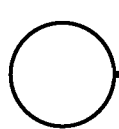
REGLET AT CMU WALL

SCALE: 3" = 1'-0"

04B-3015



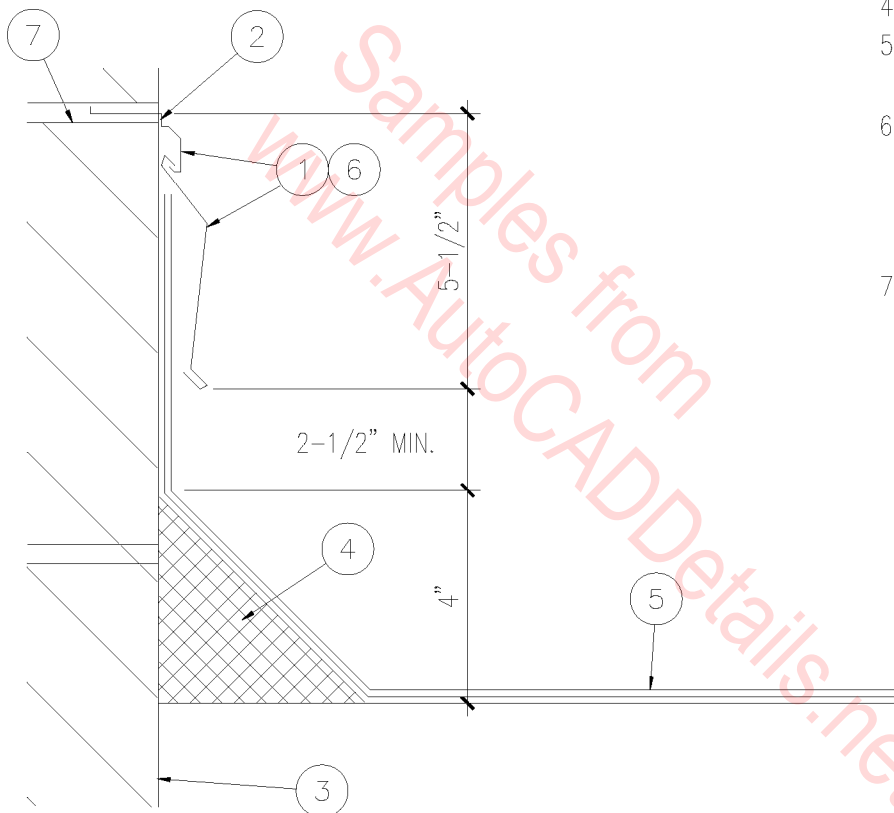
1. BUILT-IN TYPE MASONRY REGLET & SPRINGLOCK COUNTERFLASHING.
2. SEALANT.
3. MASONRY WALL.
4. 4" CANT STRIP.
5. ROOF MEMBRANE OVER LIGHTWEIGHT FILL.



REGLET AT CMU WALL

SCALE: 3" = 1'-0"

04B-3016



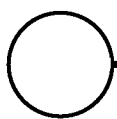
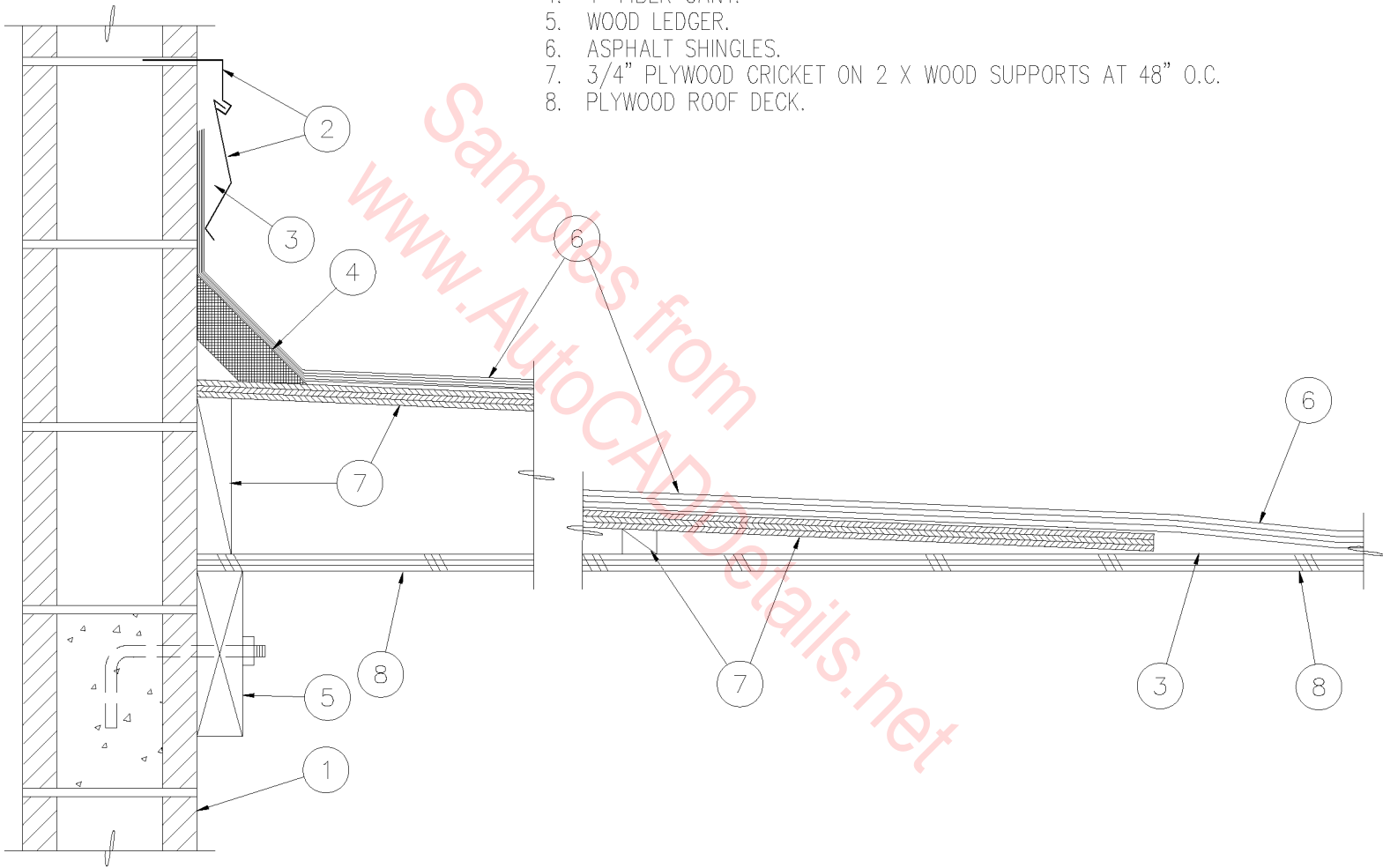
1. BUILT-IN TYPE MASONRY REGLET IN MORTAR JOINT & SPRINGLOCK COUNTERFLASHING.
2. SEALANT.
3. MASONRY WALL.
4. 4" CANT STRIP.
5. MODIFIED BITUMEN REINFORCED COMPOSITE SHEET ROOFING.
6. STEP FLASHING DOWN WITH SLOPE OF ROOF. PROVIDE TERMINATION BARS AT VERTICAL EDGES OF ROOFING MEMBRANE.
7. MORTAR JOINT.

○ FLASHING AT CANT

SCALE: 3" = 1'-0"

04B-3017

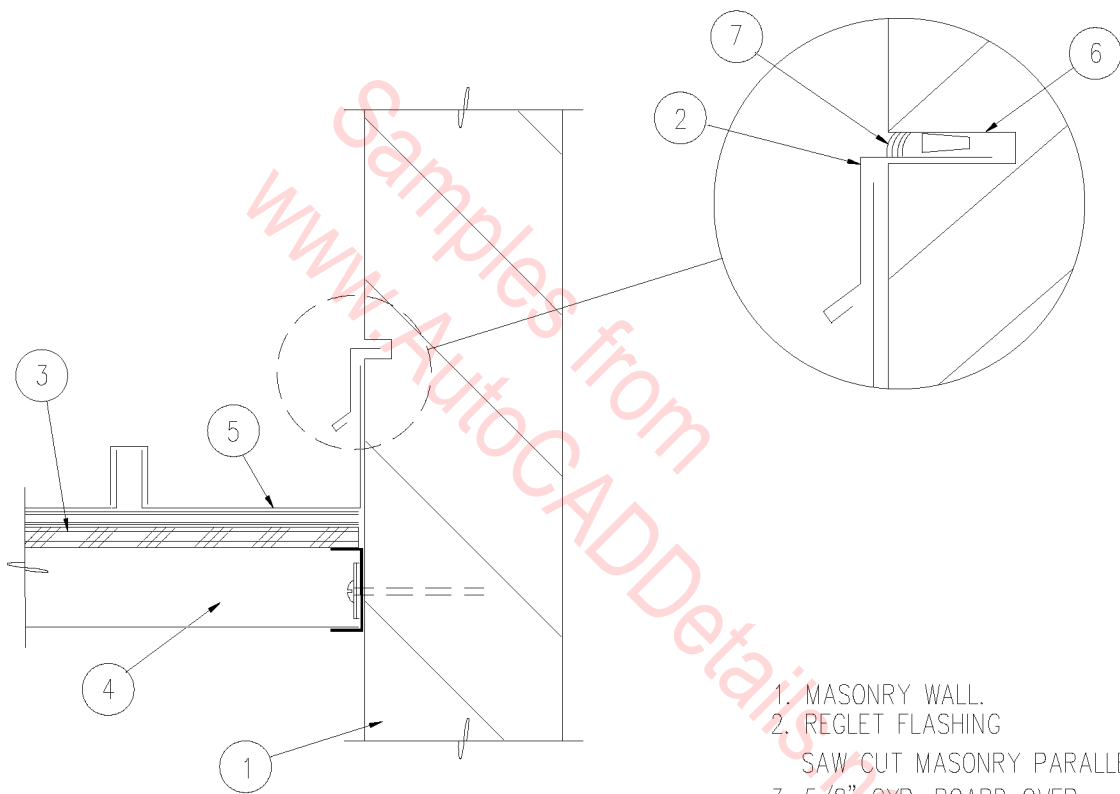
1. 8" C.M.U PARAPET WITH ELASTOMERIC COATING.
2. G.I. REGLET & COUNTER FLASHING.
3. 22 GA. G.I. SHEET METAL FLASHING WITH CONTINUOUS HEM.
4. 4" FIBER CANT.
5. WOOD LEDGER.
6. ASPHALT SHINGLES.
7. 3/4" PLYWOOD CRICKET ON 2 X WOOD SUPPORTS AT 48" O.C.
8. PLYWOOD ROOF DECK.



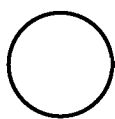
PLYWOOD CRICKET

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

04B-3018



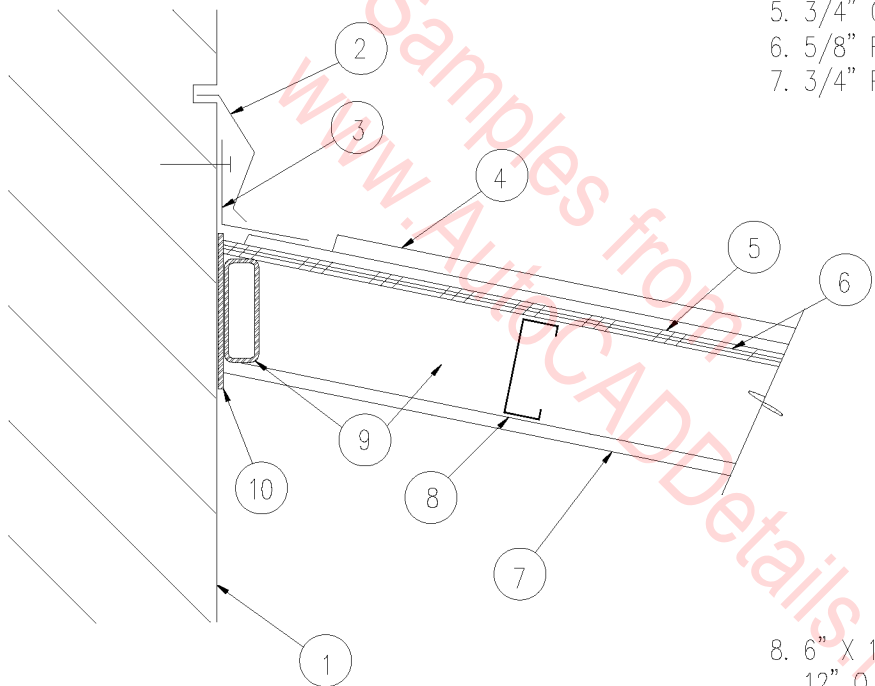
1. MASONRY WALL.
2. REGLET FLASHING
- SAW CUT MASONRY PARALLEL TO ROOF.
3. 5/8" GYP. BOARD OVER PLYWOOD SHEATHING.
4. METAL FRAMING.
5. STANDING SEAM METAL ROOFING.
6. LEAD SHIM.
7. SEALANT.



REGLET AT METAL ROOF

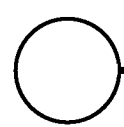
SCALE: 1 1/2" = 1'-0"

04B-3019



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

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

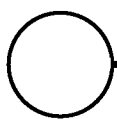
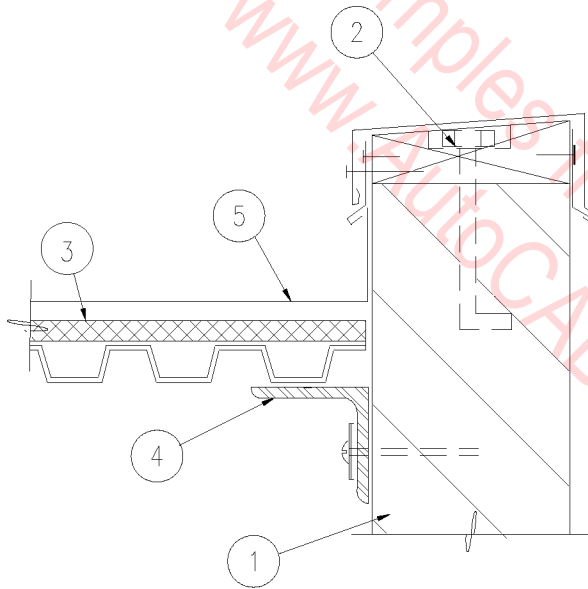


METAL ROOF FLASHING

SCALE: 1" = 1'-0"

04B-3020

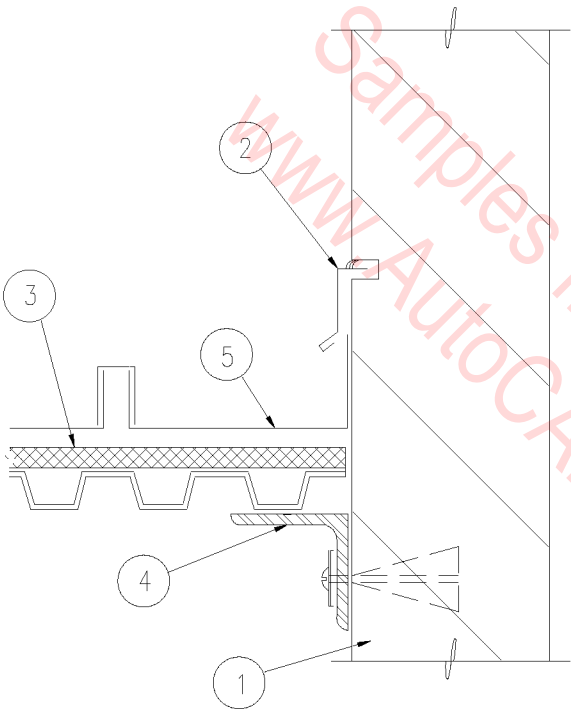
1. MASONRY WALL.
2. PARAPET CAP.
3. RIGID INSULATION
OVER METAL DECK.
4. STEEL ANGLE LEDGER.
5. METAL ROOFING.



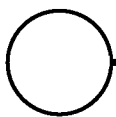
METAL ROOF AT PARAPET

1 1/2" = 1'-0"

04B-3021



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

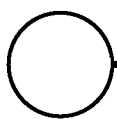
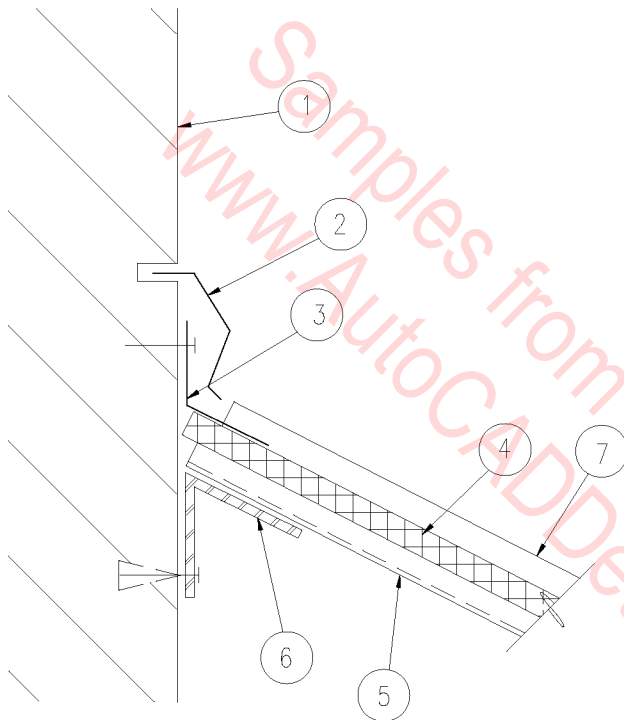


METAL ROOF AT PARAPET

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

04B-3022

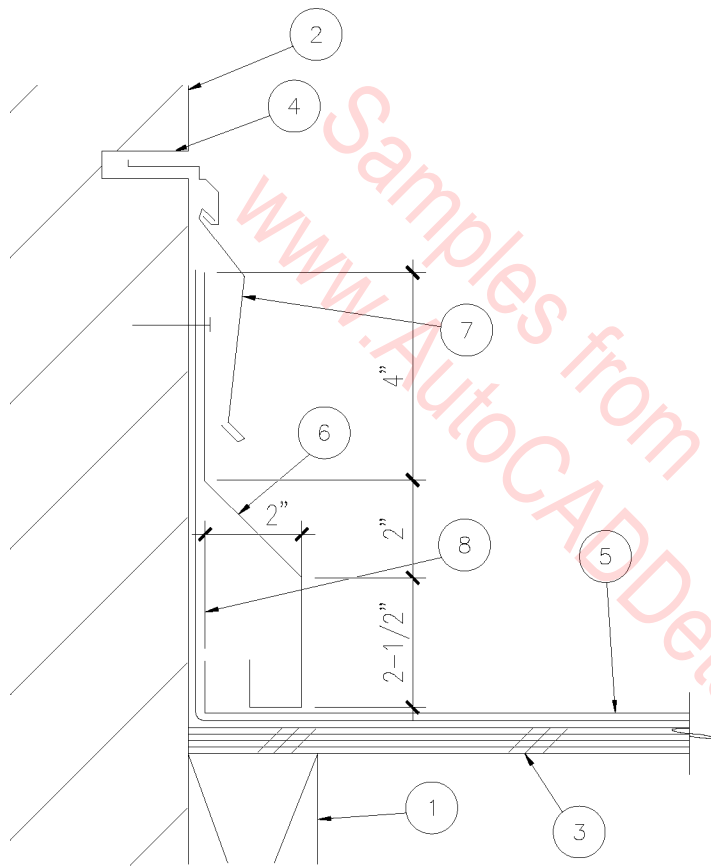
1. MASONRY WALL.
2. REGLET & COUNTER FLASHING.
3. 12 GA. GI CONT. FLASHING.
4. RIGID INSULATION.
5. METAL DECK.
6. CONT. STEEL BENT PLATE BOLTED TO WALL.
7. METAL ROOFING.



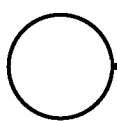
METAL ROOF FLASHING

SCALE: 1" = 1'-0"

04B-3023



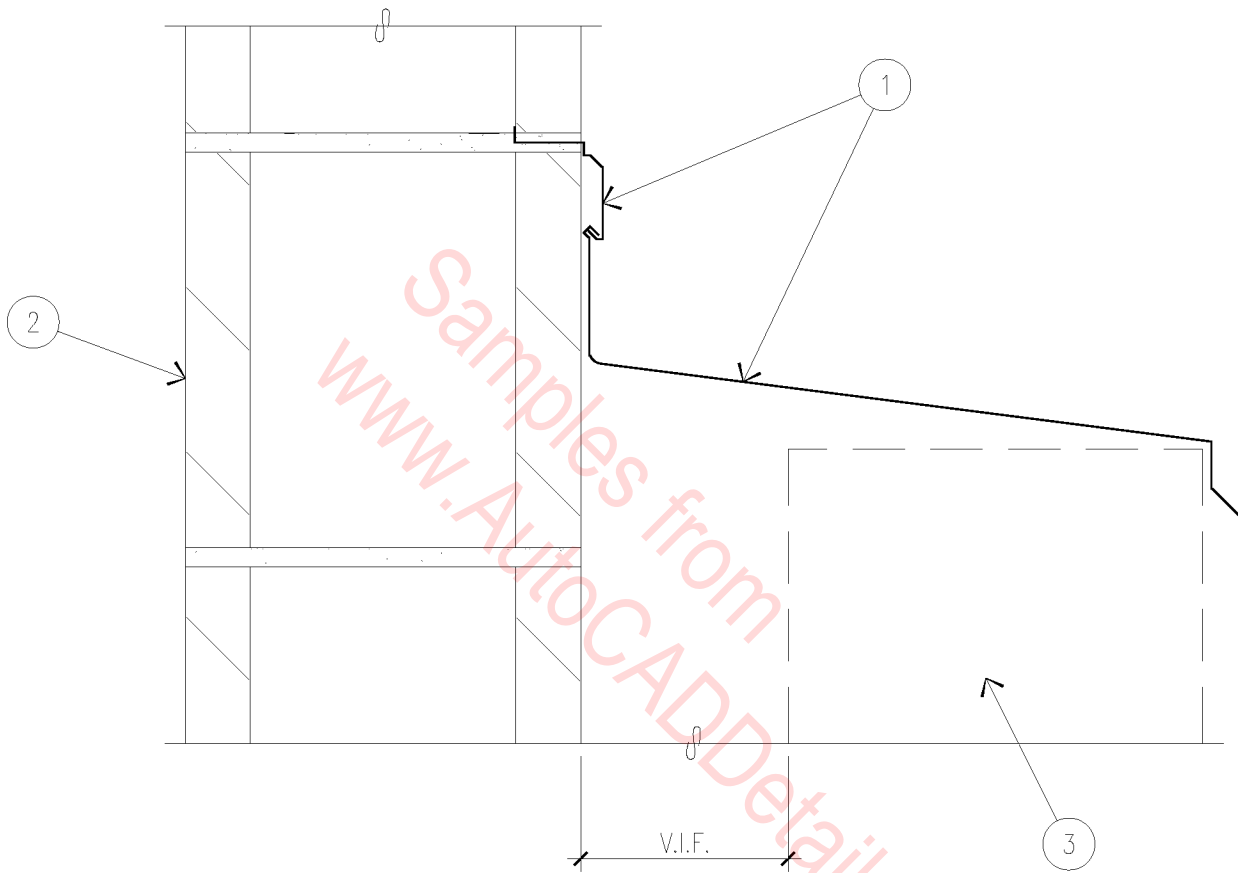
1. LEDGER.
2. MASONRY WALL.
3. PLYWOOD DECK.
4. 1-1/2" DEEP X 3/8" WIDE SAWCUT, CONTINUOUS PARALLEL TO PLANE OF ROOF.
5. METAL ROOFING SYSTEM.
6. METAL FLASHING BY METAL ROOFING MANUFACTURER.
7. REGLET AND COUNTERFLASHING.
8. 40 MIL ELASTOMERIC MEMBRANE.



FLASHING DETAIL

SCALE: 1" = 1'-0"

04B-3024

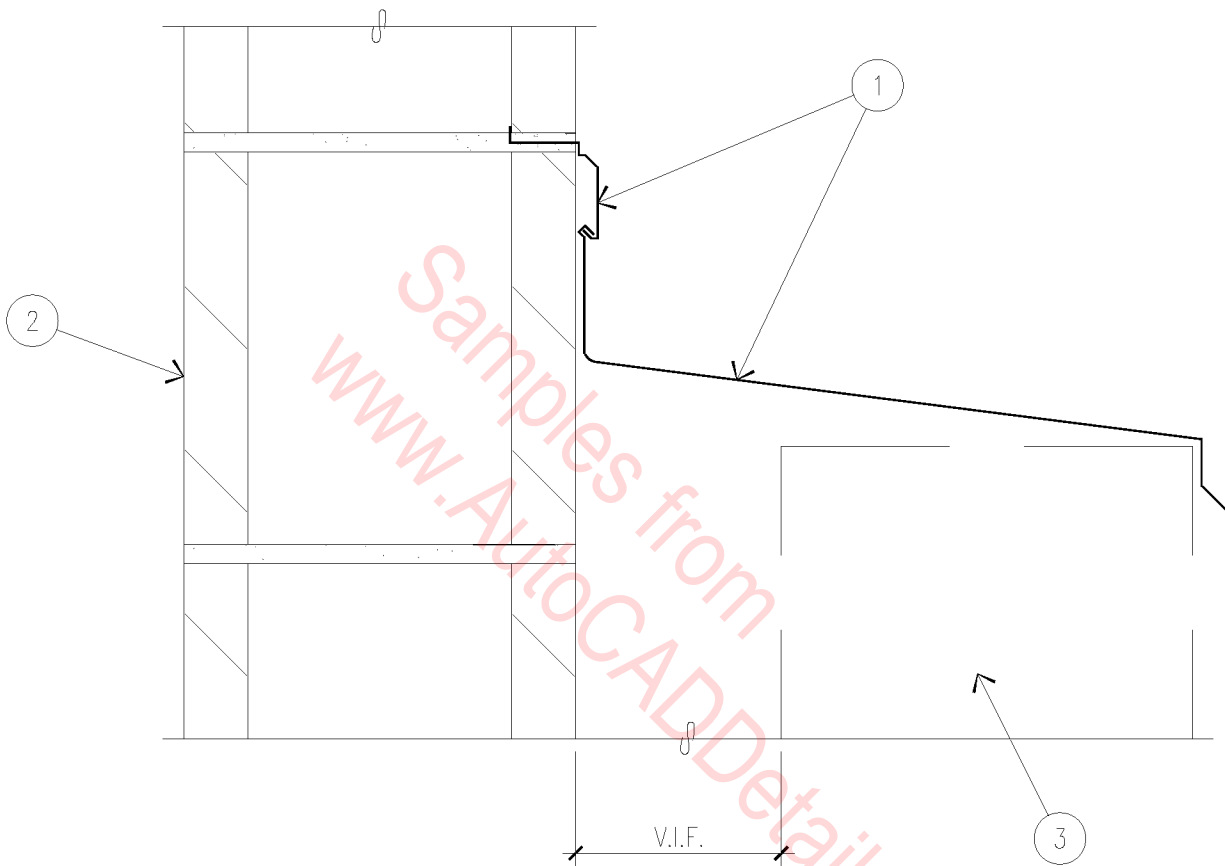


1. BUILT-IN TYPE REGLET, SPRINGLOCK, AND 25 GAUGE COUNTERFLASHING WITH PAINTED FINISH.
2. MASONRY WALL.
3. PARAPET OF ADJACENT STRUCTURE.

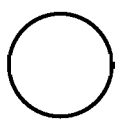
○ FLASHING AT C.M.U. WALL

3" = 1'-0"

04B-3025



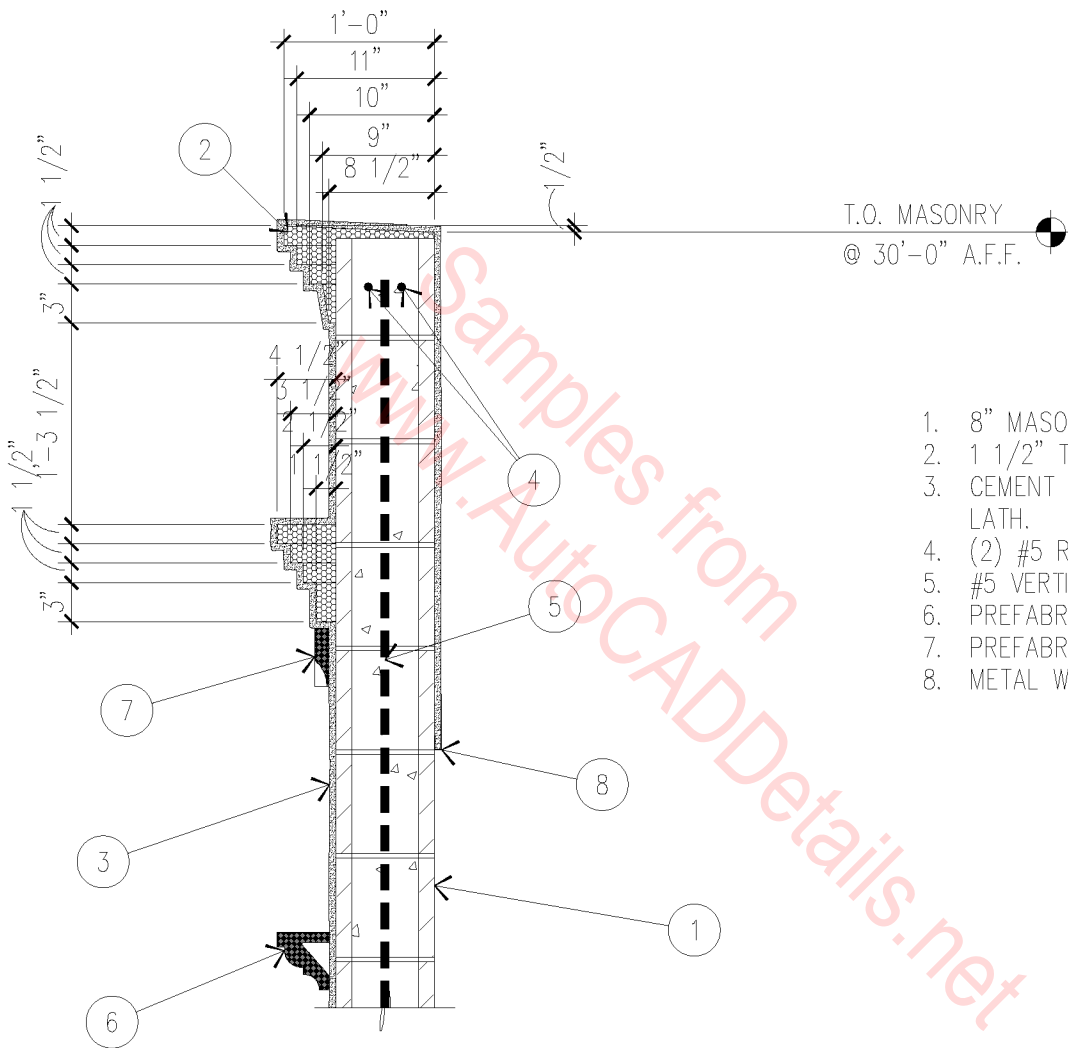
1. BUILT-IN TYPE REGLET, SPRINGLOCK, AND 25 GAUGE COUNTERFLASHING WITH PAINTED FINISH.
2. MASONRY WALL.
3. PARAPET OF ADJACENT STRUCTURE.



FLASHING AT C.M.U. WALL

3" = 1'-0"

04B-3025

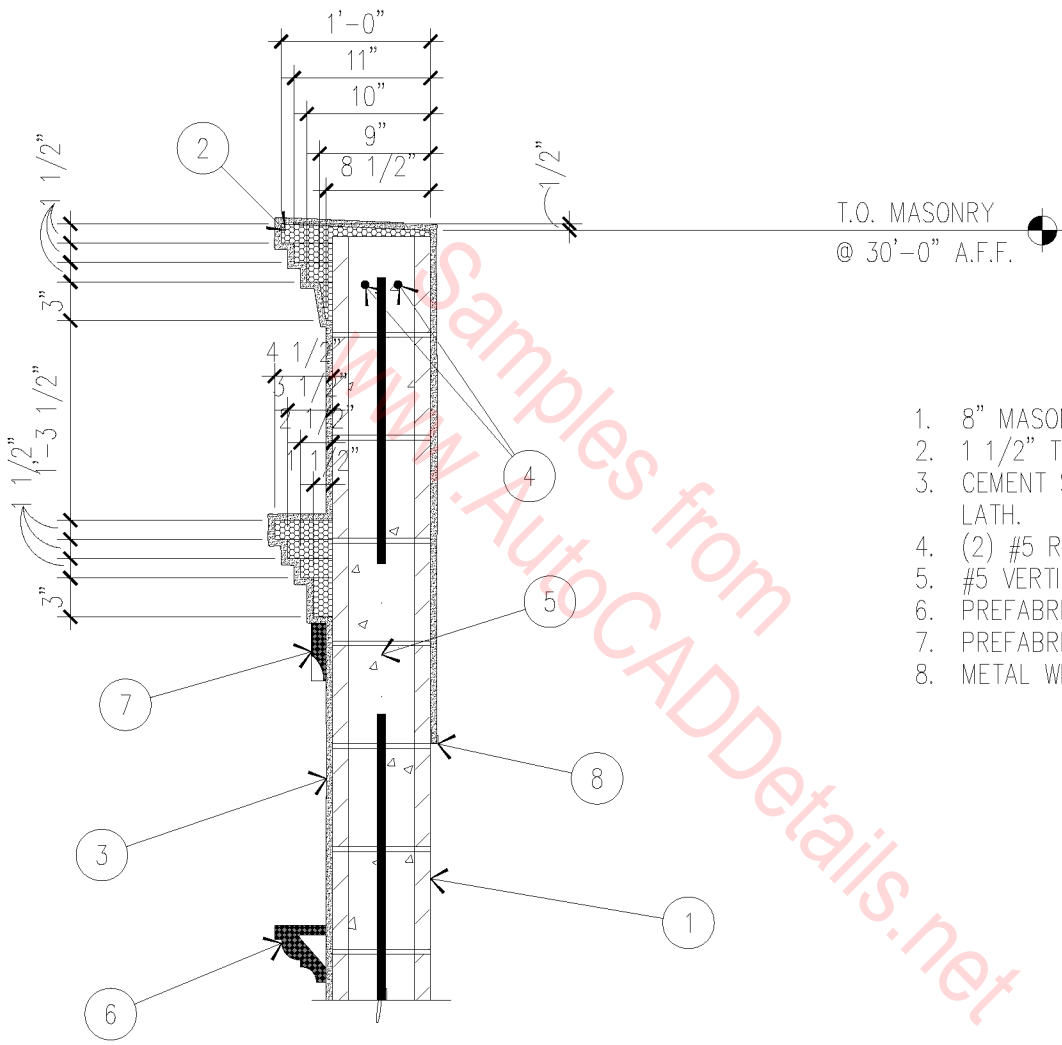


T.O. MASONRY
 @ 30'-0" A.F.F.

1. 8" MASONRY WALL.
2. 1 1/2" THICK RIGID INSULATION.
3. CEMENT STUCCO OVER METAL LATH.
4. (2) #5 REBAR HORIZONTAL CONTINUOUS.
5. #5 VERTICAL SEE STRUCTURAL.
6. PREFABRICATED FASCIA.
7. PREFABRICATED DENTIL MOLDING.
8. METAL WEEP SCREED / STUCCO STOP.

○ PARAPET
 3/4" = 1'-0"

04B-3026

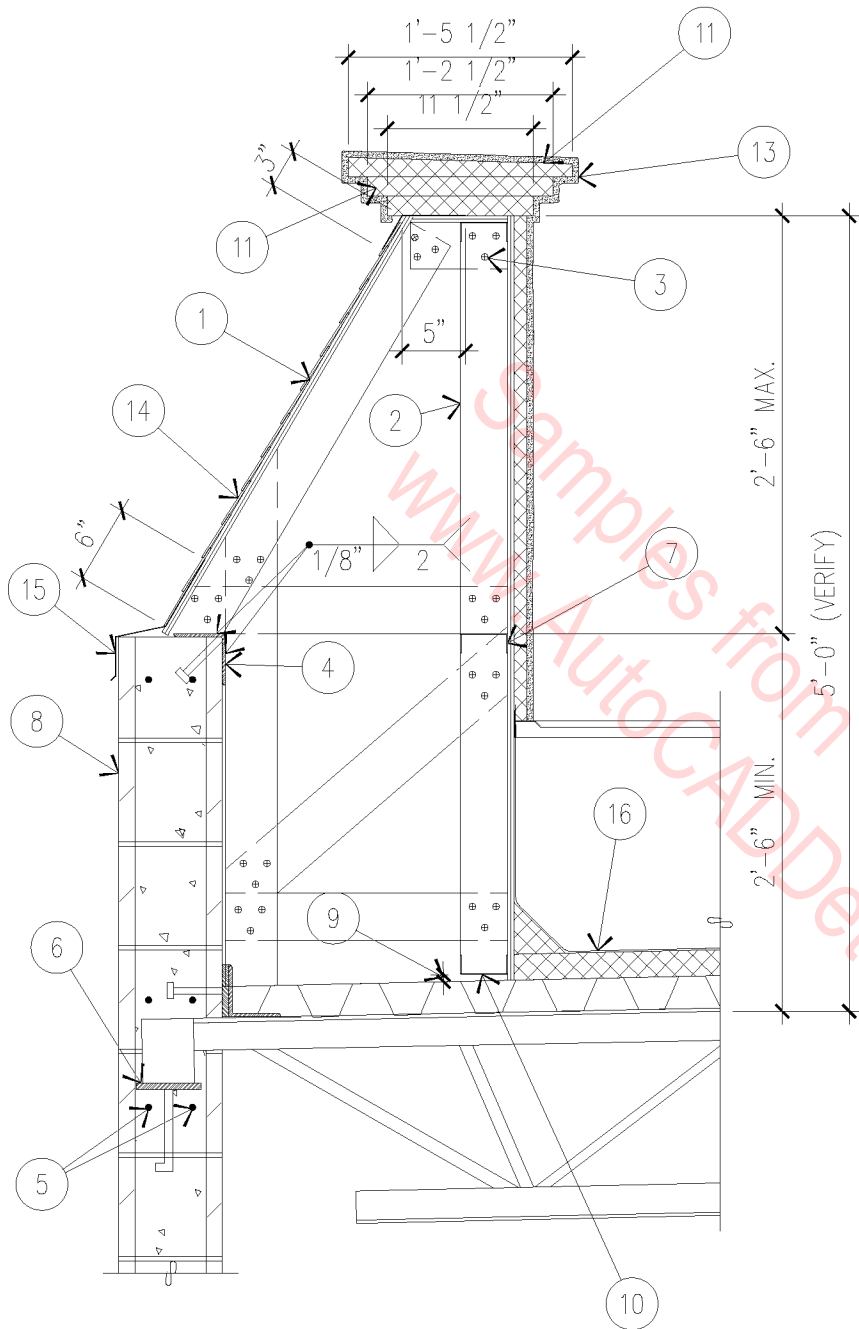


T.O. MASONRY
 @ 30'-0" A.F.F.

1. 8" MASONRY WALL.
2. 1 1/2" THICK RIGID INSULATION.
3. CEMENT STUCCO OVER METAL LATH.
4. (2) #5 REBAR HORIZONTAL CONTINUOUS.
5. #5 VERTICAL SEE STRUCTURAL.
6. PREFABRICATED FASCIA.
7. PREFABRICATED DENTIL MOLDING.
8. METAL WEEP SCREED / STUCCO STOP.

○ PARAPET
 3/4" = 1'-0"

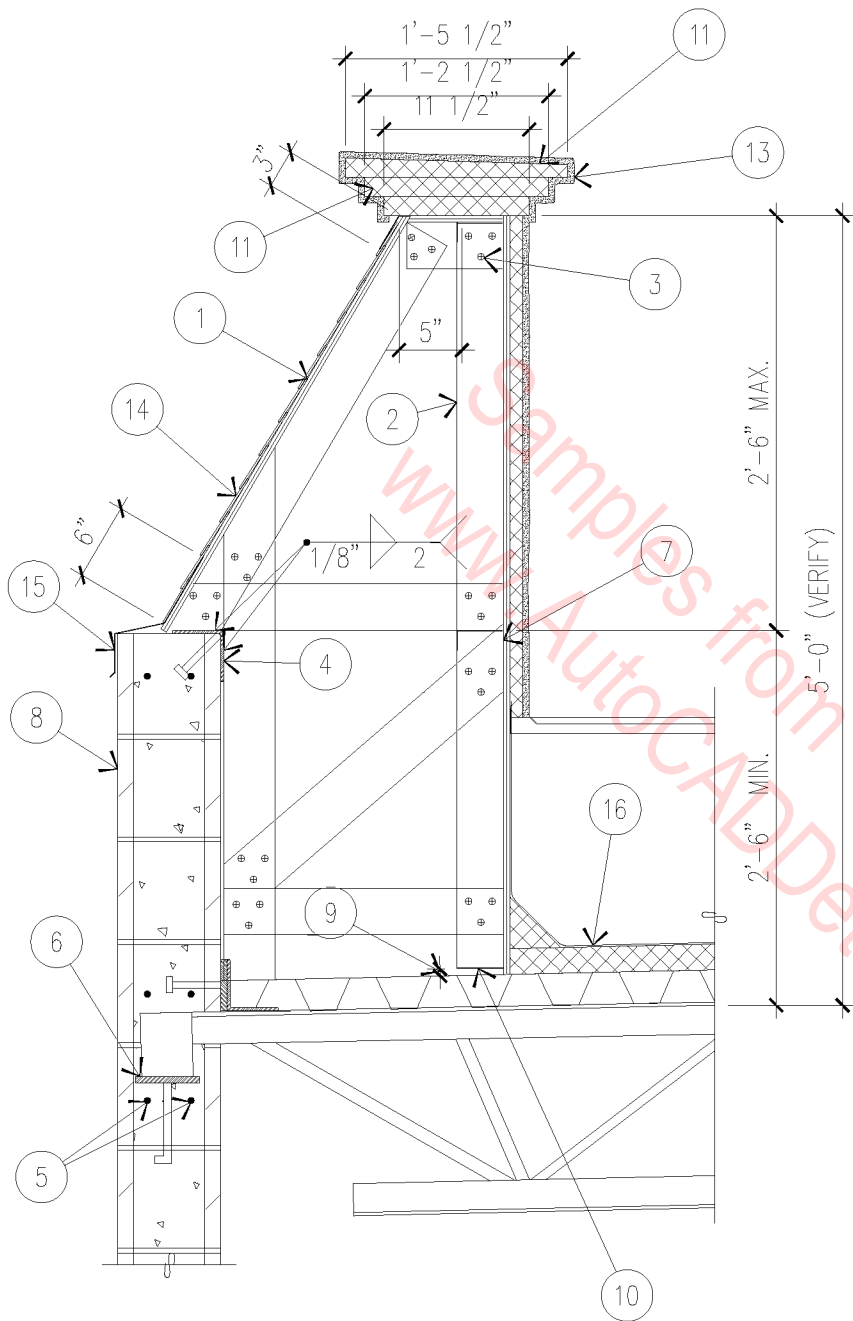
04B-3026



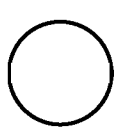
1. 1/2" EXTERIOR GRADE PLYWOOD.
2. 4" X 18 GAUGE METAL STUDS @ 24" O.C.
3. (3) SHEET METAL SCREWS AT 1 1/2" LONG - TYPICAL.
4. 3 "X 3" X 1/4" CONTINUOUS ANGLE WITH 3/4" N.S. @ 24" O.C.
5. (2) #5 REBAR CONTINUOUS.
6. STEEL PLATE JOIST SEAT IN WALL POCKET - SEE STRUCTURAL.
7. 4" X 13 GAUGE METAL STUD RAIL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

○ PARAPET WALL
 3/4" = 1'-0"

04B-3027



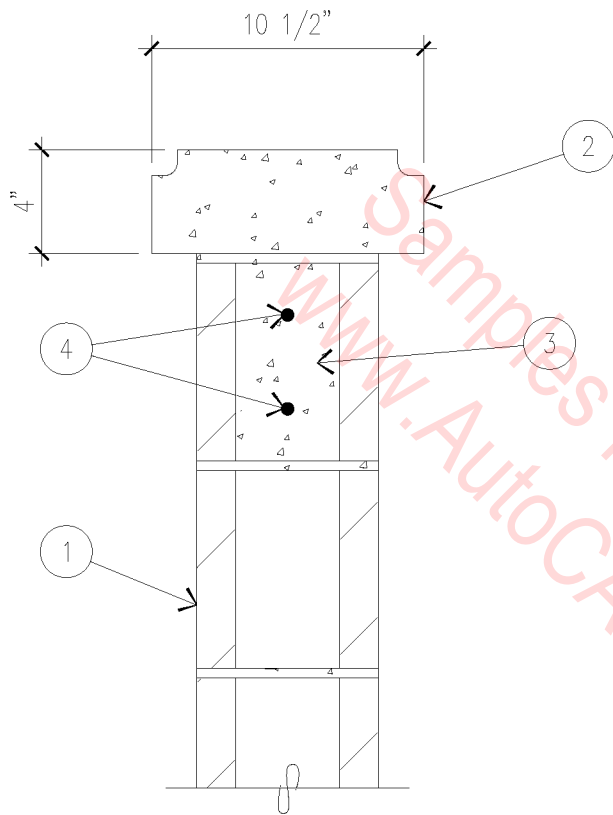
1. 1/2" EXTERIOR GRADE PLYWOOD.
2. 4" X 18 GAUGE METAL STUDS @ 24" O.C.
3. (3) SHEET METAL SCREWS AT 1 1/2" LONG - TYPICAL.
4. 3 "X 3" X 1/4" CONTINUOUS ANGLE WITH 3/4" N.S. @ 24" O.C.
5. (2) #5 REBAR CONTINUOUS.
6. STEEL PLATE JOIST SEAT IN WALL POCKET - SEE STRUCTURAL.
7. 4" X 13 GAUGE METAL STUD RAIL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



PARAPET WALL

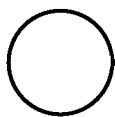
3/4" = 1'-0"

04B-3027



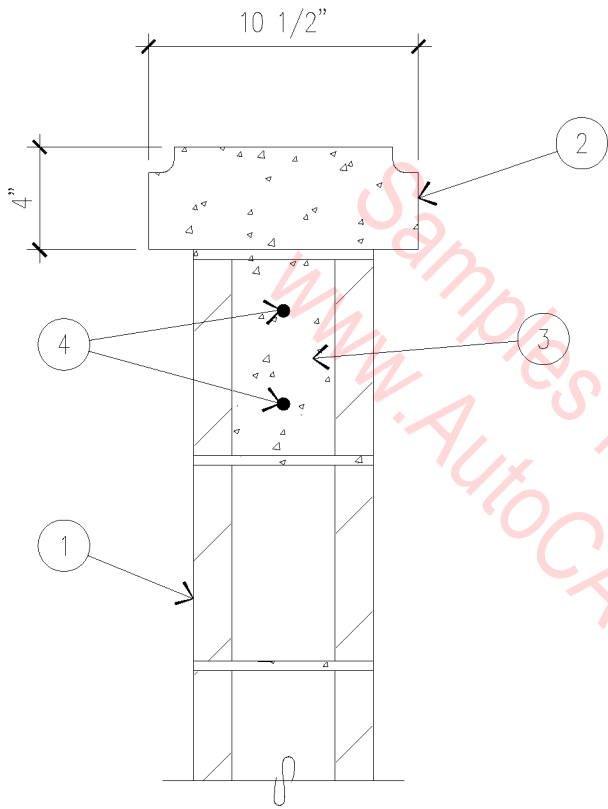
1. 8 X 8 X 16 MASONRY PARAPET WALL.
2. PRECAST PARAPET CAP.
3. BOND BEAM.
4. #4 REBAR CONTINUOUS.

PRECAST CONCRETE PARAPET CAP



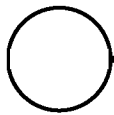
1 1/2" = 1'-0"

04B-3028



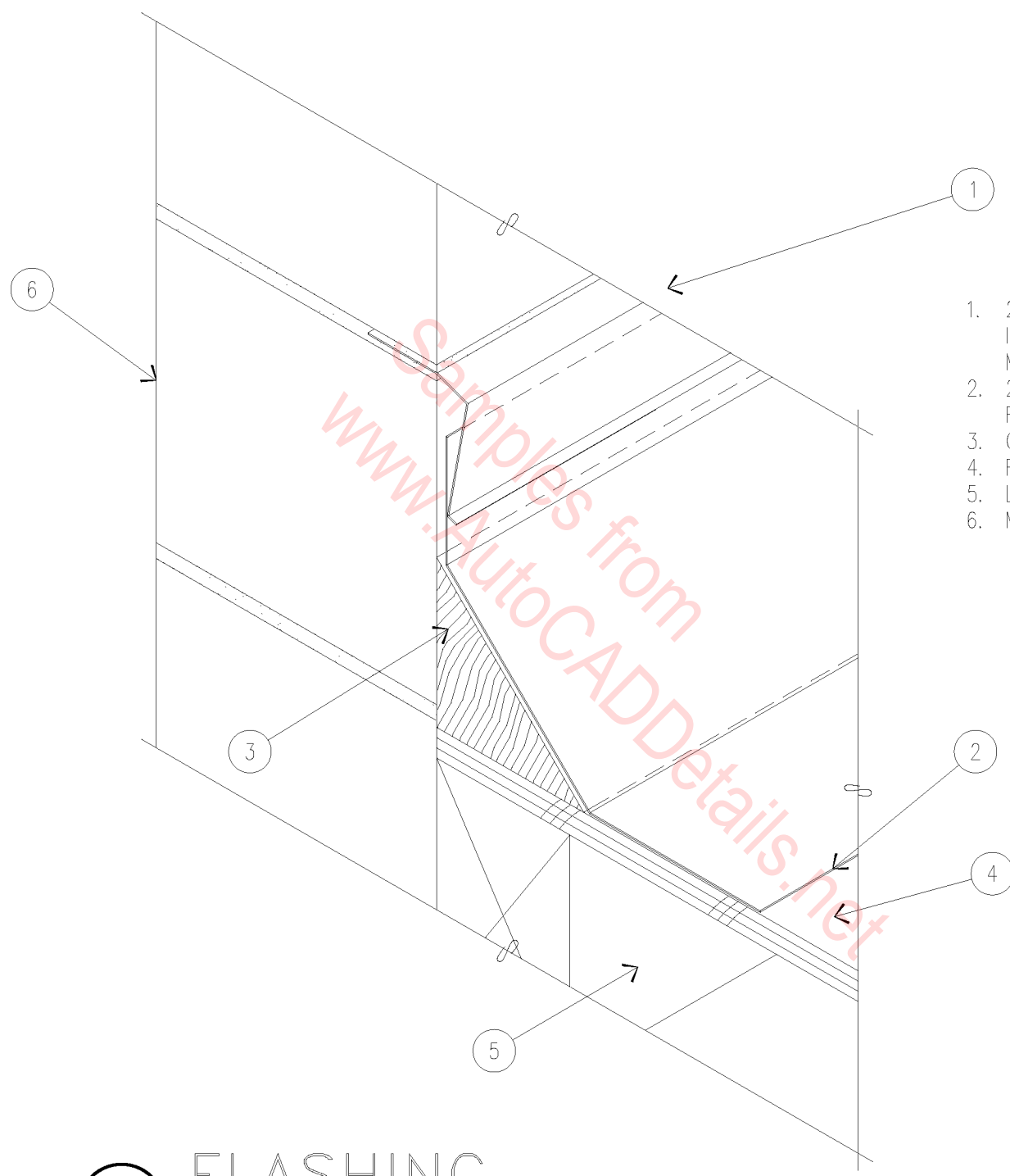
1. 8 X 8 X 16 MASONRY PARAPET WALL.
2. PRECAST PARAPET CAP.
3. BOND BEAM.
4. #4 REBAR CONTINUOUS.

PRECAST CONCRETE PARAPET CAP

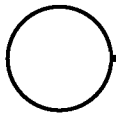


1 1/2" = 1'-0"

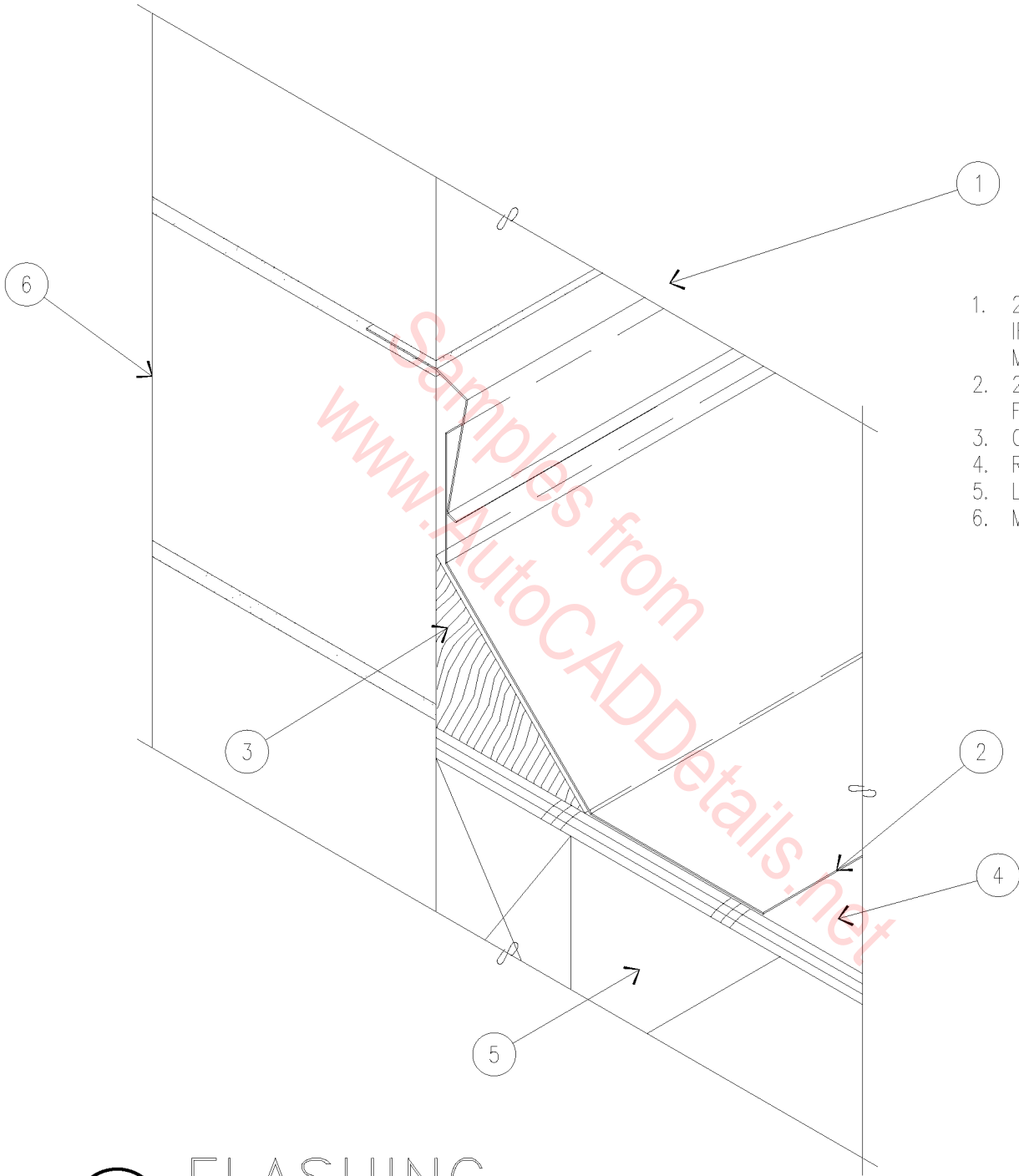
04B-3028



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

 FLASHING
 3" = 1'-0"

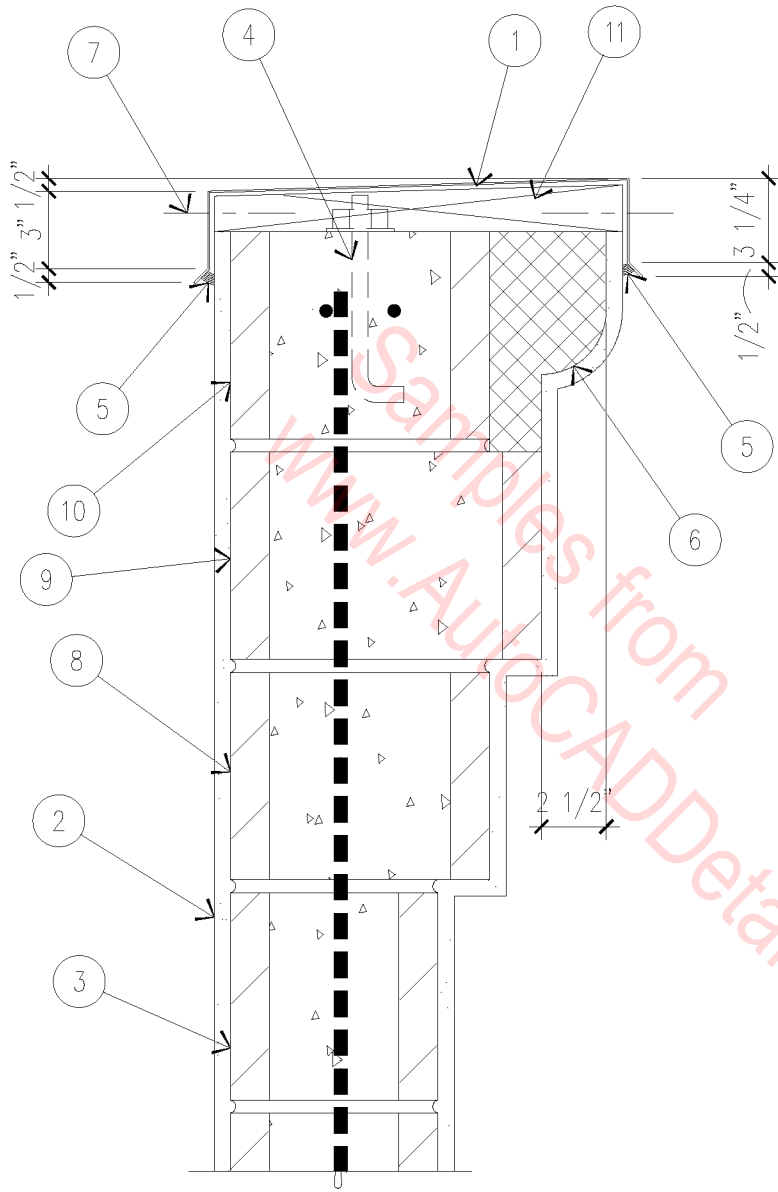
04B-3029



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

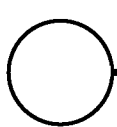

FLASHING
 3" = 1'-0"

04B-3029



1. 24 GAUGE GALVANIZED IRON CAP FLASHING WITH DRIP EDGE.
2. STUCCO ON MASONRY.
3. 8X8X16 MASONRY WALL.
4. ANCHOR BOLT AT 72" O.C.
5. CONTINUOUS SILICONE SEALANT.
6. SHAPED RIGID FOAM "POP-OUT".
7. SCREW WITH REINFORCED NEOPRENE WASHER AT 2'-0" O.C., CAULK SCREW HEADS (TYPICAL).
8. 8X10X16 CMU COURSE.
9. 8X12X16 CMU COURSE.
10. 8X8X16 CMU COURSE.
11. SLOPED WOOD CAP.

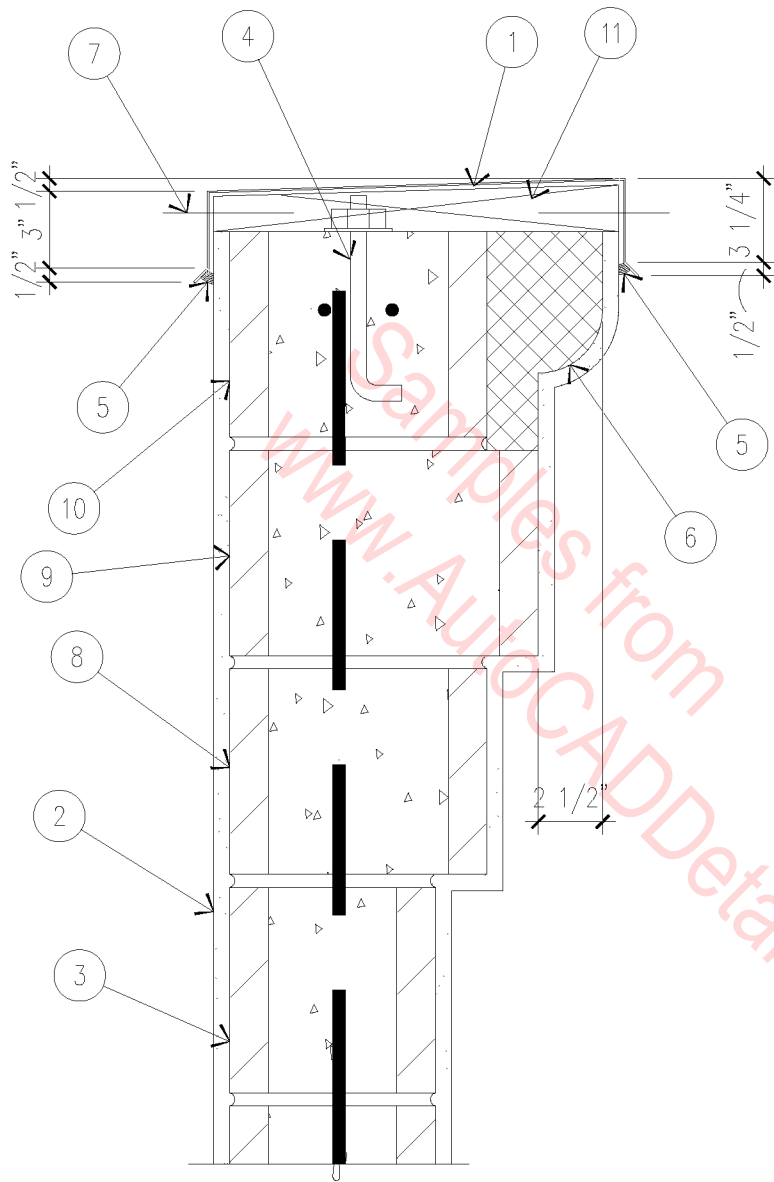
NOTE: PROVIDE ROOFING FELT UNDERLAYMENT 3" OVERLAP AT SEAMS (UNDER FLASHING).



MASONRY PARAPET CAP

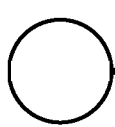
1 1/2" = 1'-0"

04B-3030



1. 24 GAUGE GALVANIZED IRON CAP FLASHING WITH DRIP EDGE.
2. STUCCO ON MASONRY.
3. 8X8X16 MASONRY WALL.
4. ANCHOR BOLT AT 72" O.C.
5. CONTINUOUS SILICONE SEALANT.
6. SHAPED RIGID FOAM "POP-OUT".
7. SCREW WITH REINFORCED NEOPRENE WASHER AT 2'-0" O.C., CAULK SCREW HEADS (TYPICAL).
8. 8X10X16 CMU COURSE.
9. 8X12X16 CMU COURSE.
10. 8X8X16 CMU COURSE.
11. SLOPED WOOD CAP.

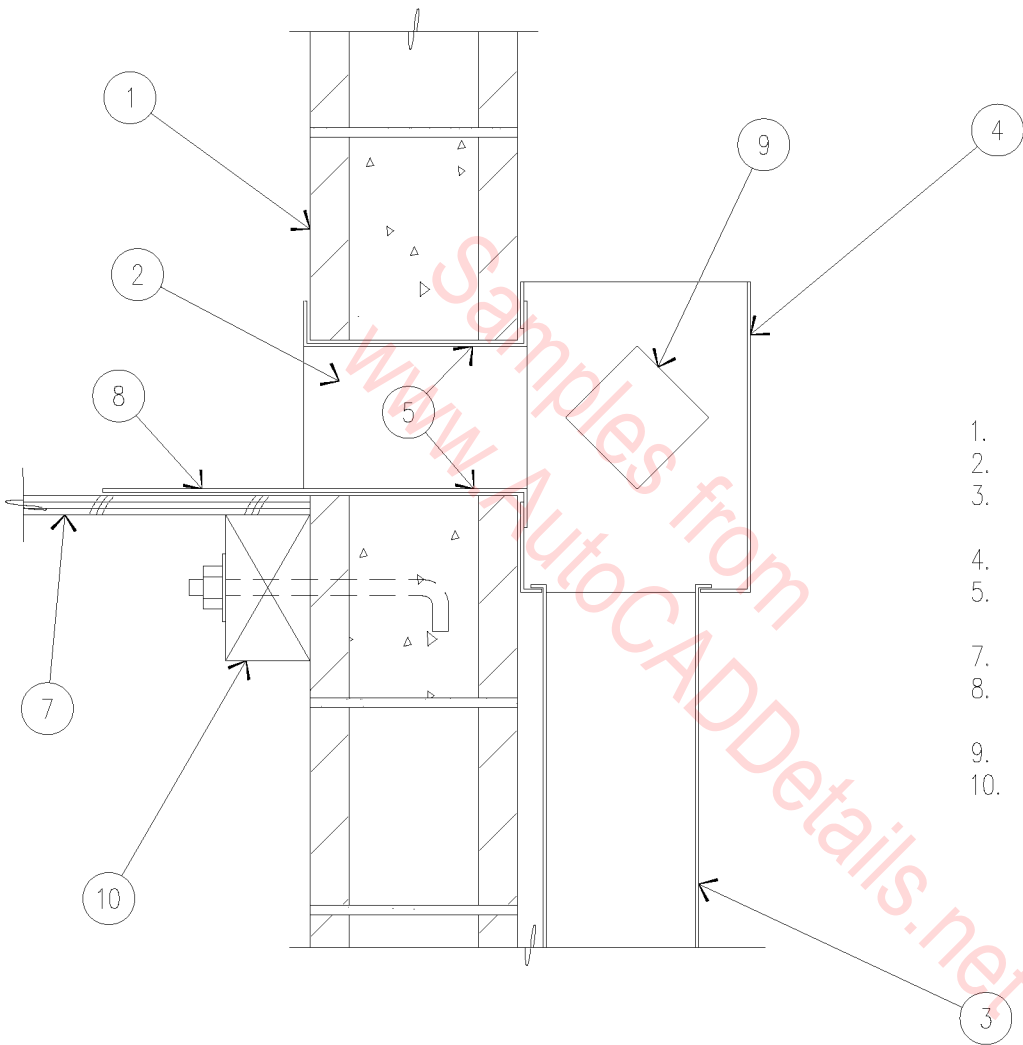
NOTE: PROVIDE ROOFING FELT UNDERLAYMENT 3" OVERLAP AT SEAMS (UNDER FLASHING).



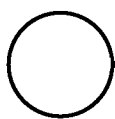
MASONRY PARAPET CAP

1 1/2" = 1'-0"

04B-3030



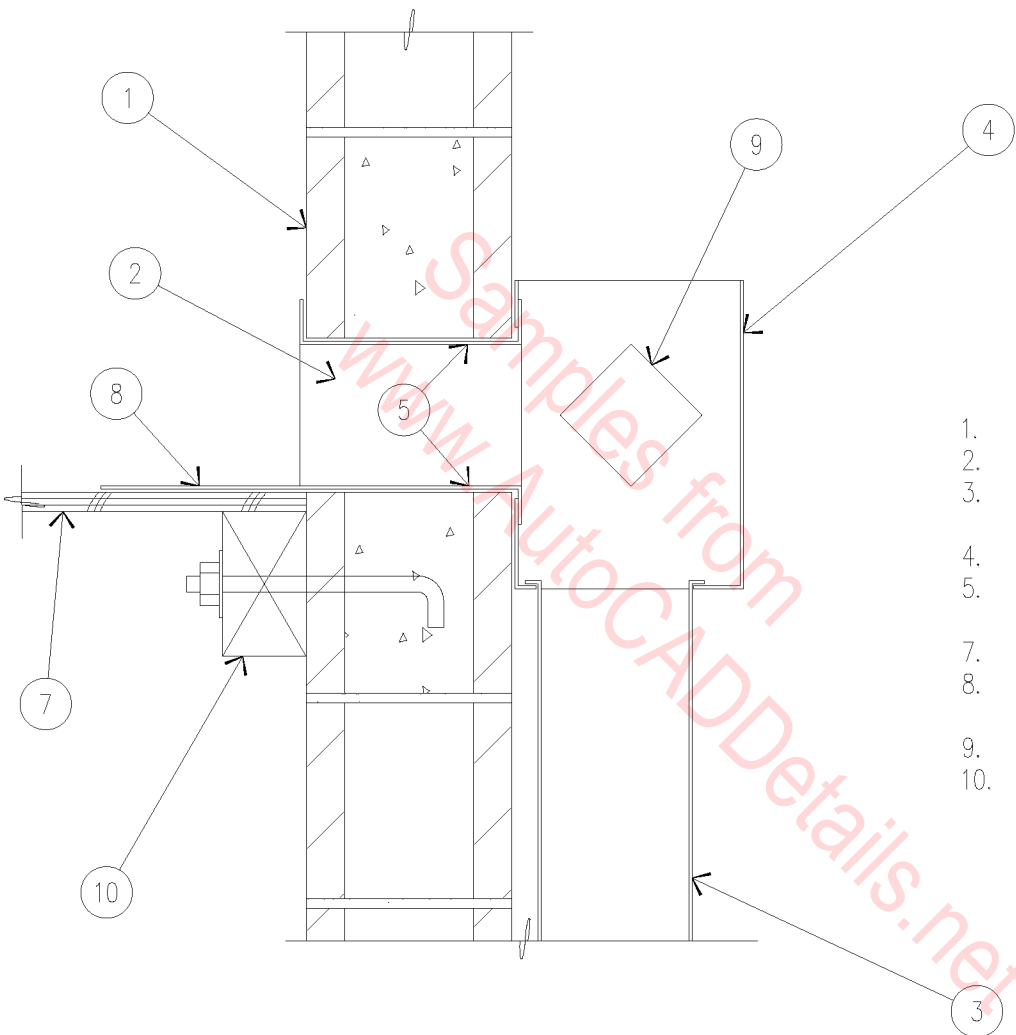
1. CMU WALL.
2. SCUPPER OPENING.
3. 22 GAUGE GALVANIZED IRON DOWNSPOUT.
4. LEADER BOX.
5. GALVANIZED METAL FLASHING ALL AROUND.
7. PLYWOOD ROOF DECK.
8. 22 GAUGE GALVANIZED IRON SCUPPER FLASHING.
9. OVERFLOW BEYOND.
10. LEDGER.



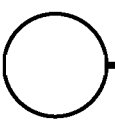
SCUPPER/DOWNSPOUT

1 1/2" = 1'-0"

04B-3031



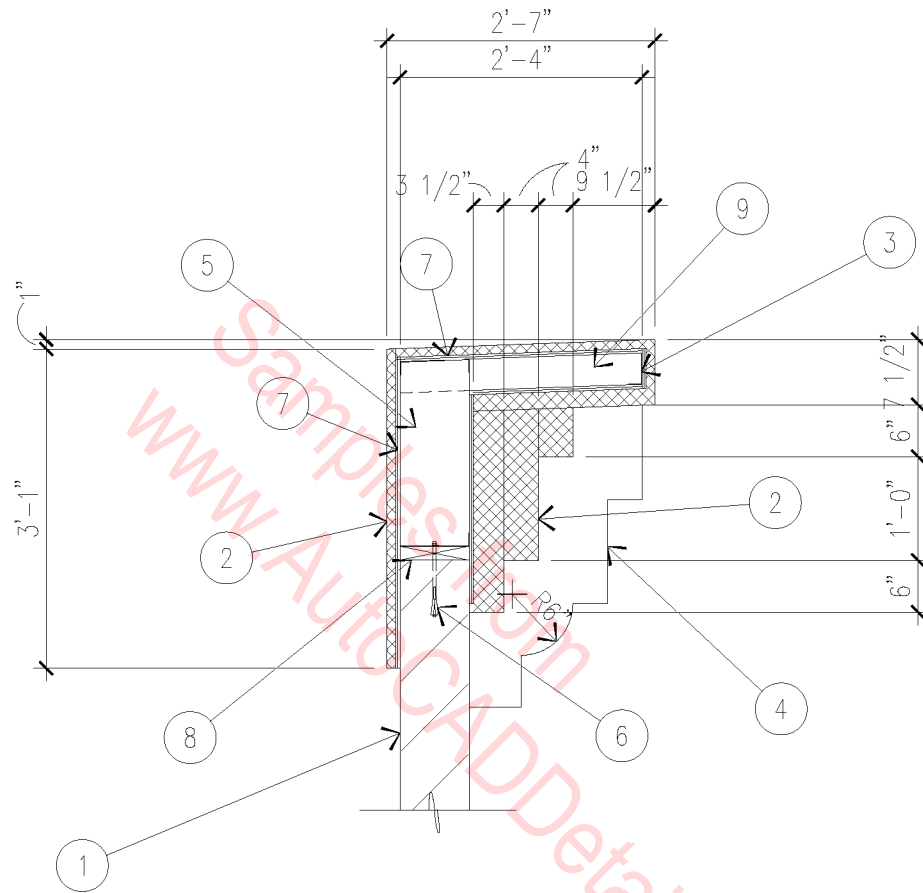
1. CMU WALL.
2. SCUPPER OPENING.
3. 22 GAUGE GALVANIZED IRON DOWNSPOUT.
4. LEADER BOX.
5. GALVANIZED METAL FLASHING ALL AROUND.
7. PLYWOOD ROOF DECK.
8. 22 GAUGE GALVANIZED IRON SCUPPER FLASHING.
9. OVERFLOW BEYOND.
10. LEDGER.



SCUPPER/DOWNSPOUT

1 1/2" = 1'-0"

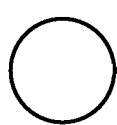
04B-3031



1. FOUNDERS BLOCK MASONRY.
2. RIGID FOAM POP-OUT.
3. METAL STUD & FOAM POP OUT.
4. RIGID FOAM BRACKET.
5. 8" X 16 GAUGE METAL STUDS AT 24" O.C.
6. 5/8" ϕ X 6" WEDGE ANCHOR AT 32" O.C.

7. 1/2" GYPSUM SHEATHING.
8. 2 X 8 CONTINUOUS TOP PLATE.
9. 3 5/8" X 18 GAUGE METAL STUDS AT 24" O.C.

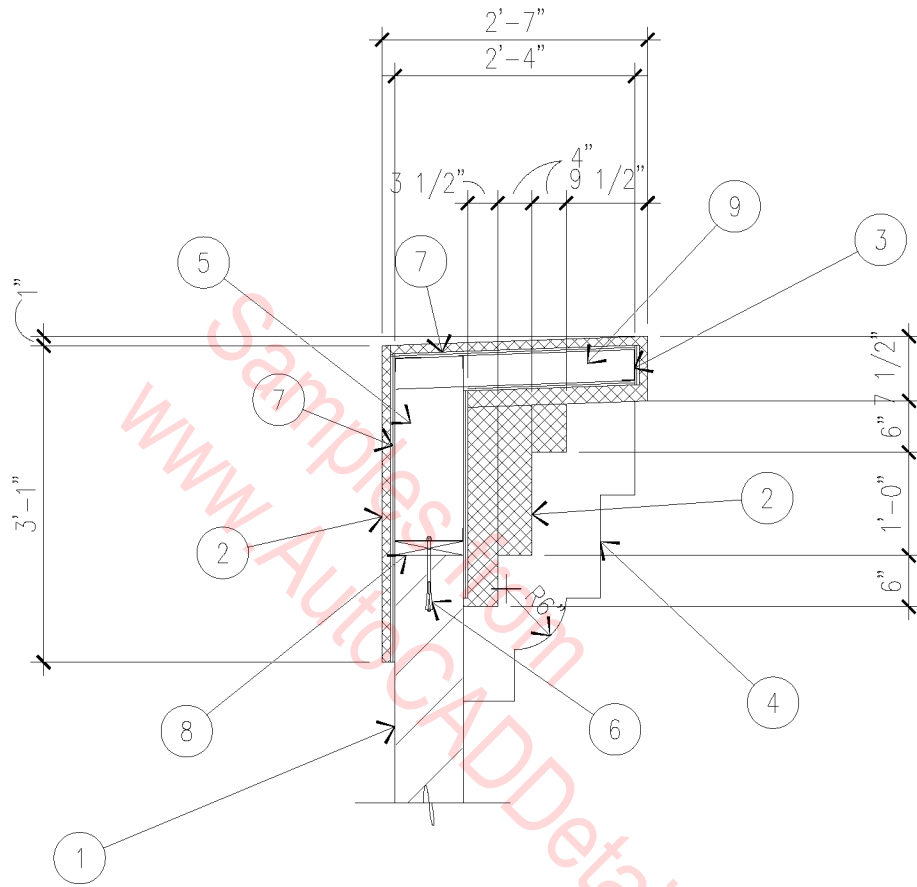
NOTE: CEMENT STUCCO OVER METAL LATH TO COVER ALL RIGID FOAM POP OUTS NOT SHOWN FOR CLARITY



PARAPET CAP

1/2" = 1'-0"

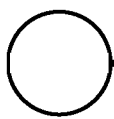
04B-3032



1. FOUNDERS BLOCK MASONRY.
2. RIGID FOAM POP-OUT.
3. METAL STUD & FOAM POP OUT.
4. RIGID FOAM BRACKET.
5. 8" X 16 GAUGE METAL STUDS AT 24" O.C.
6. 5/8" ϕ X 6" WEDGE ANCHOR AT 32" O.C.

7. 1/2" GYPSUM SHEATHING.
8. 2 X 8 CONTINUOUS TOP PLATE.
9. 3 5/8" X 18 GAUGE METAL STUDS AT 24" O.C.

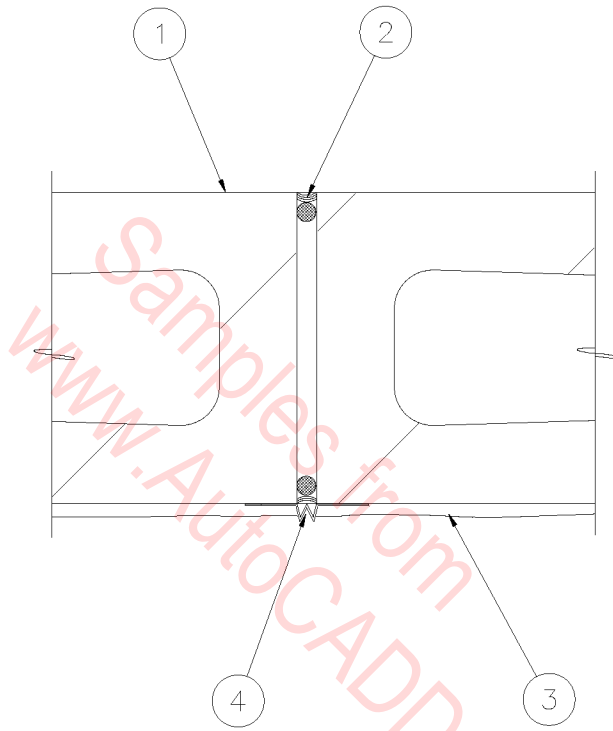
NOTE: CEMENT STUCCO OVER METAL LATH
TO COVER ALL RIGID FOAM POP OUTS
NOT SHOWN FOR CLARITY



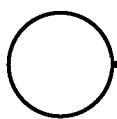
PARAPET CAP

1/2" = 1'-0"

04B-3032



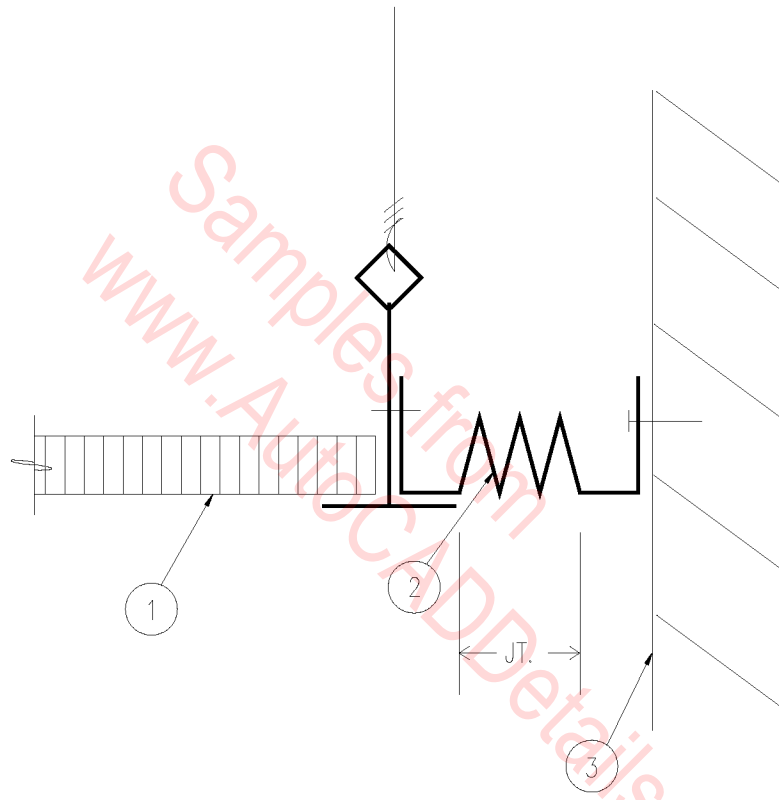
1. CMU SEALED AND PAINTED ON ONE SIDE ONLY.
2. EXPANSION JOINT MATERIAL.
3. STUCCO FINISH.
4. EXPANSION JOINT.



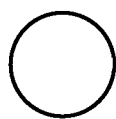
CMU EXPANSION JOINT

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

04B-4001



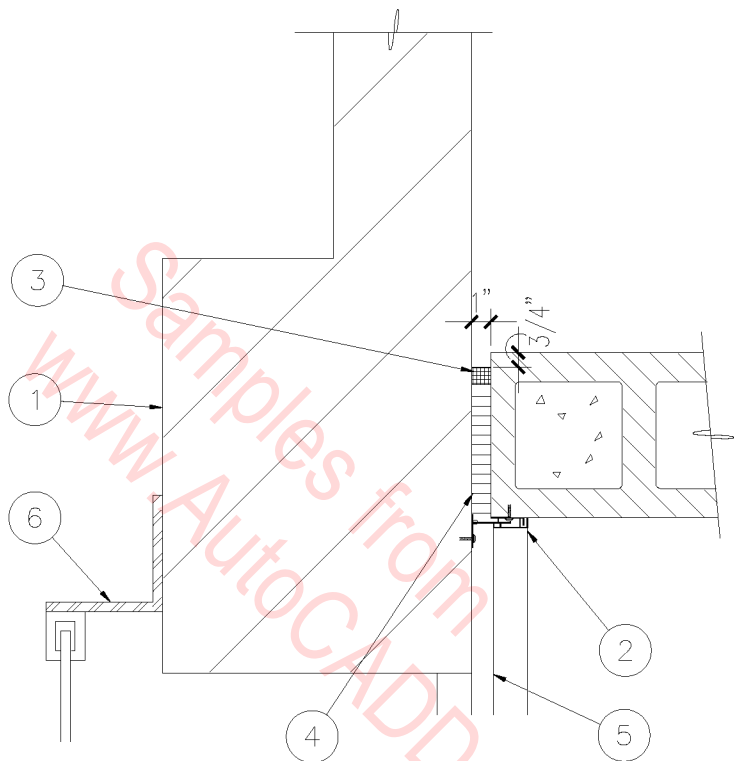
1. SUSPENDED ACOUSTIC TILE
CEILING SYSTEM.
2. P.V.C. EXPANSION
FILLER.
3. CMU WALL.



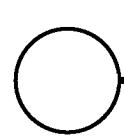
CONTROL JOINT AT CLG.

SCALE: 3" = 1'-0"

04B-4002



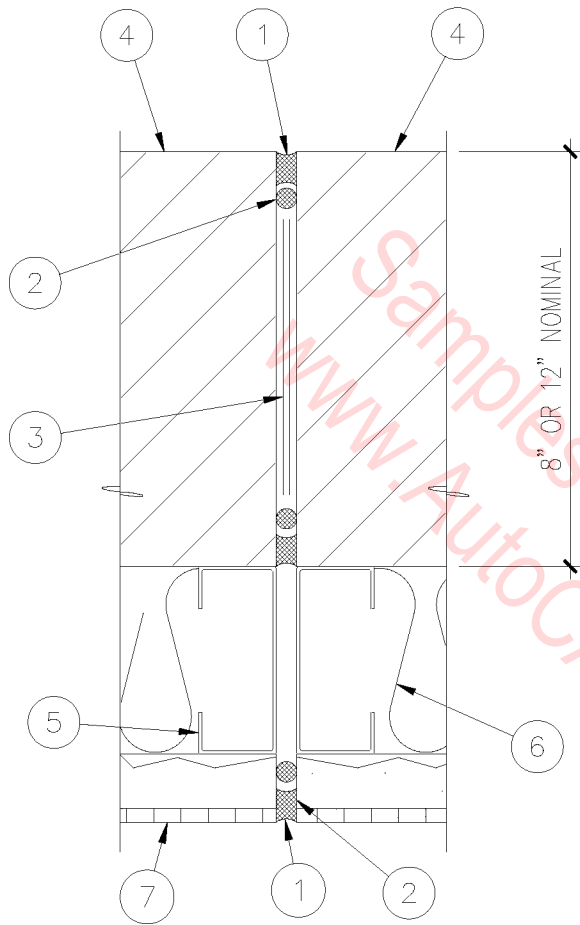
1. SOLID GROUTED CMU.
2. "BALCO" 6000 SERIES EXPANSION JOINT TYPE 6TWC-1.
3. PRE-MANUFACTURED COMPRESSIBLE EXPANSION JOINT FILLER.
4. FILL EXPANSION JOINT VOID W/ BATT INSULATION.
5. FLOOR EXPANSION JOINT BELOW.
6. ROLLING STEEL DOOR JAMB. SEE DOOR SCHEDULE.



EXP. JOINT @ CMU WALL

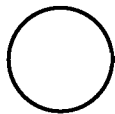
SCALE: 1" = 1'-0"

04B-4003



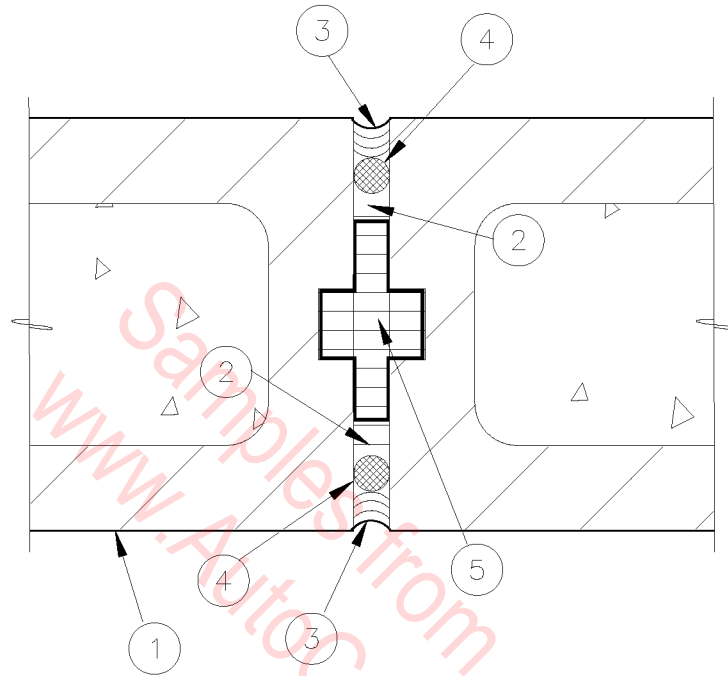
1. SEALANT.
2. JOINT FILLER.
3. PREMOLDED CONTROL JOINT.
4. MASONRY WALL.
5. METAL STUDS.
6. R-11 BATT INSULATION.
7. 1/4" CERAMIC TILE ON
1" CEMENT MORTAR
SETTING BED ON
METAL LATH.

EXPANSION JOINT @ FURRED C.M.U. WALL

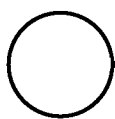


3" = 1'-0"

04B-4004



- 1. MASONRY.
- 2. COMPRESSIBLE JOINT MATERIAL. BOTH SIDES OF JOINT.
- 3. SEALANT.
- 4. BACKER ROD.
- 5. PREMOLDED NEOPRENE GASKET.

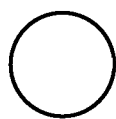
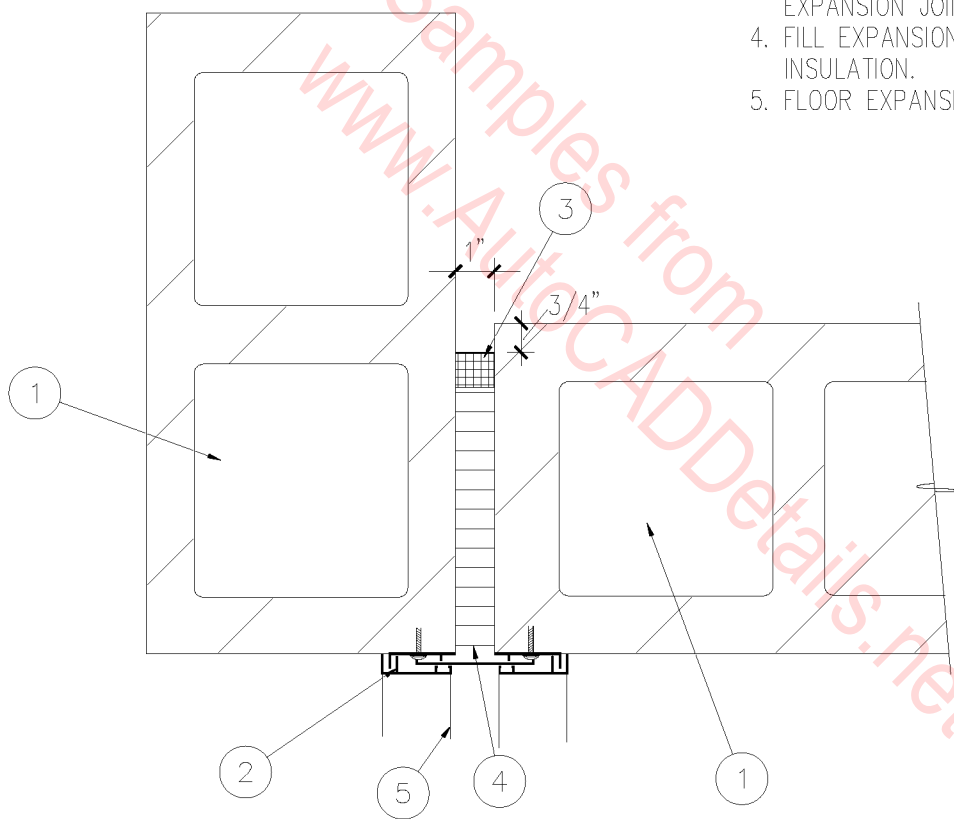


MASONRY CONTROL JOINT

SCALE: 3" = 1'-0"

04B-4005

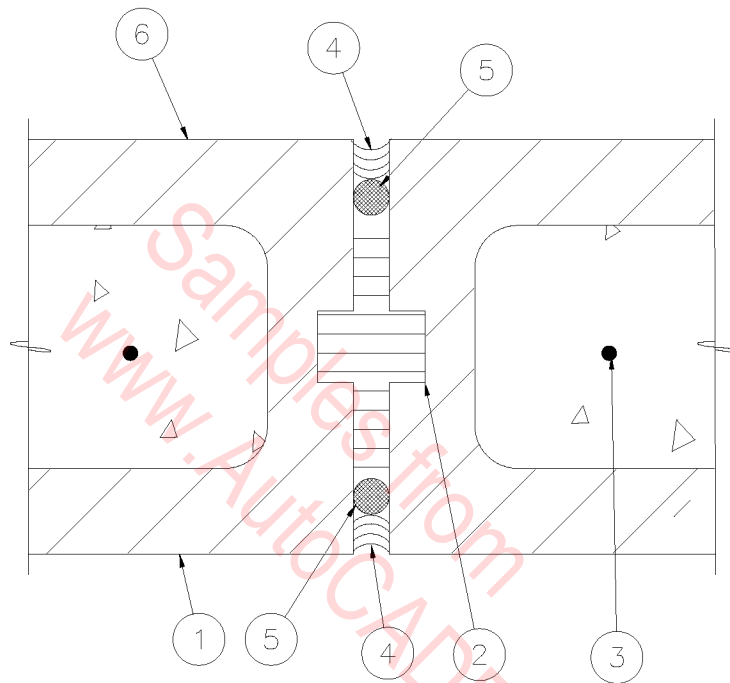
1. SOLID GROUTED CMU.
2. "BALCO" 6000 SERIES EXPANSION JOINT TYPE 6TW-1.
3. PRE-MANUFACTURED COMPRESSIBLE EXPANSION JOINT FILLER.
4. FILL EXPANSION JOINT VOID W/ BATT INSULATION.
5. FLOOR EXPANSION JOINT BELOW.



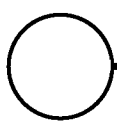
CMU EXPANSION JOINT

SCALE: 1" = 1'-0"

04B-4006



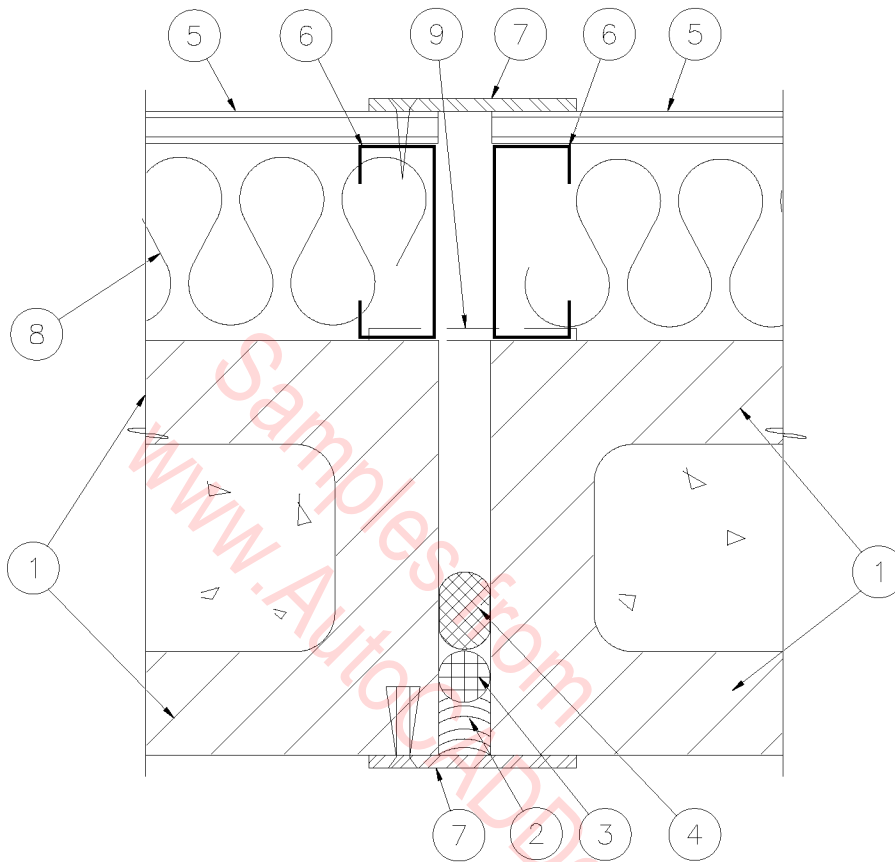
1. MASONRY WALL.
2. EPOXY JOINT MATERIAL.
3. FULLY GROUTED CELL
BOTH SIDES OF JOINT.
4. SEALANT.
5. BACKER ROD.
6. WALL FINISH AS
SCHEDULED.



CMU EXPANSION JOINT

SCALE: 3" = 1'-0"

04B-4007

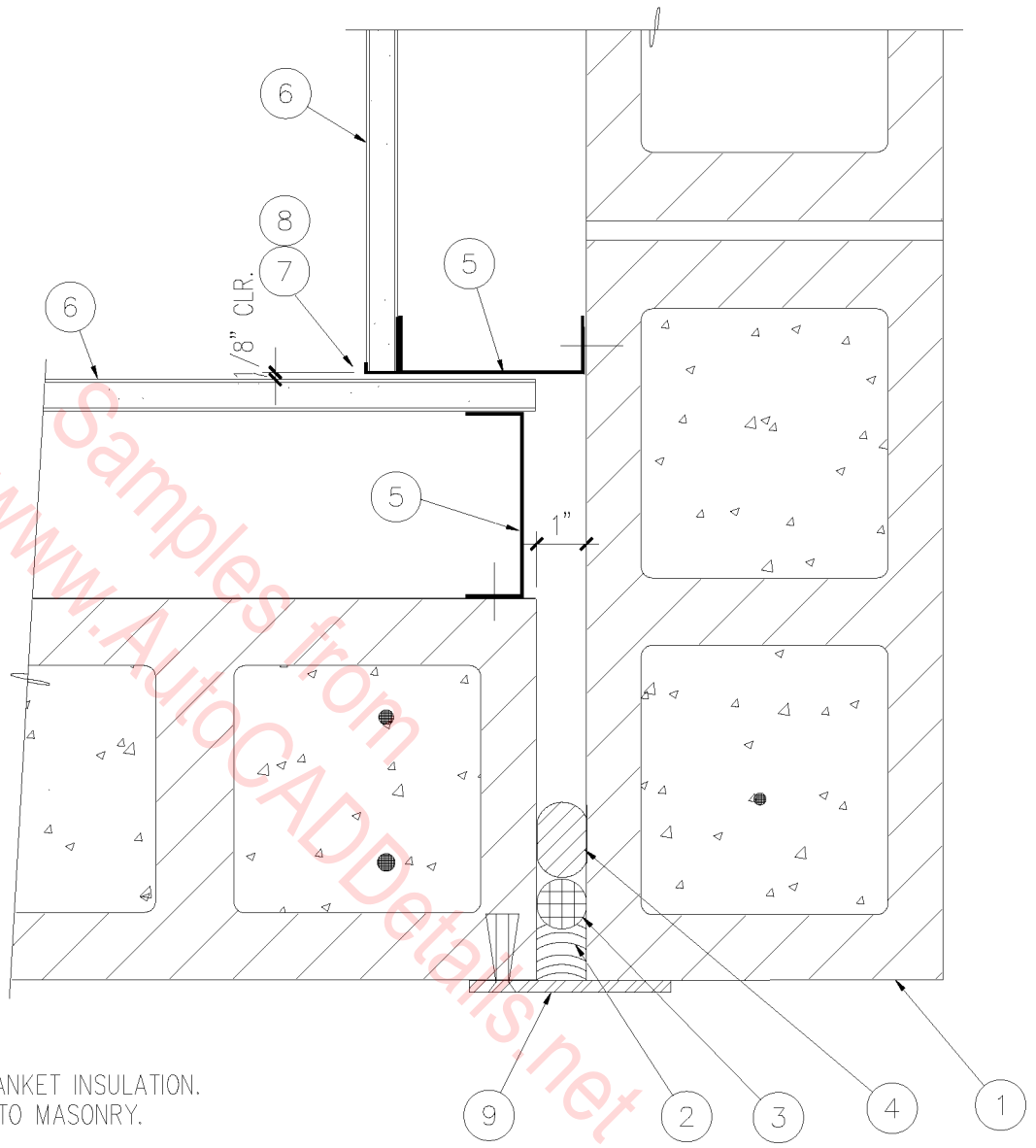


1. MASONRY WALL.
2. SEALANT, 7/8" MIN. DEPTH.
3. BACKER ROD.
4. CERAMIC FIBER BLANKET INSULATION: 1-1/2" AT 1 HOUR WALL, 4-1/2" AT 4 HOUR RATED WALL.
5. 5/8" TYPE 'X' GYPSUM BOARD WHERE OCCURS.
6. 3-5/8" METAL STUDS, WHERE OCCURS.
7. 4" WIDE X 1/4" THICK STEEL PLATE CLOSURE. SECURE AT EXTERIOR WITH 1/4" FLAT HEAD EXPANSION ANCHORS IN COUNTERSUNK HOLES AT 24" O.C. SECURE AT INTERIOR WITH #12 SHEET METAL SCREWS AT 6" O.C. IN COUNTERSUNK HOLES. SECURE AT ONE SIDE OF EXPANSION JOINT ONLY.
8. WALL INSULATION BATTS, WHERE OCCURS.
9. STEEL CLOSURE LOCATION AT INTERIOR MASONRY CONDITION.

2 & 4 HOUR EXPANSION JOINT

3" = 1'-0"

04B-4008

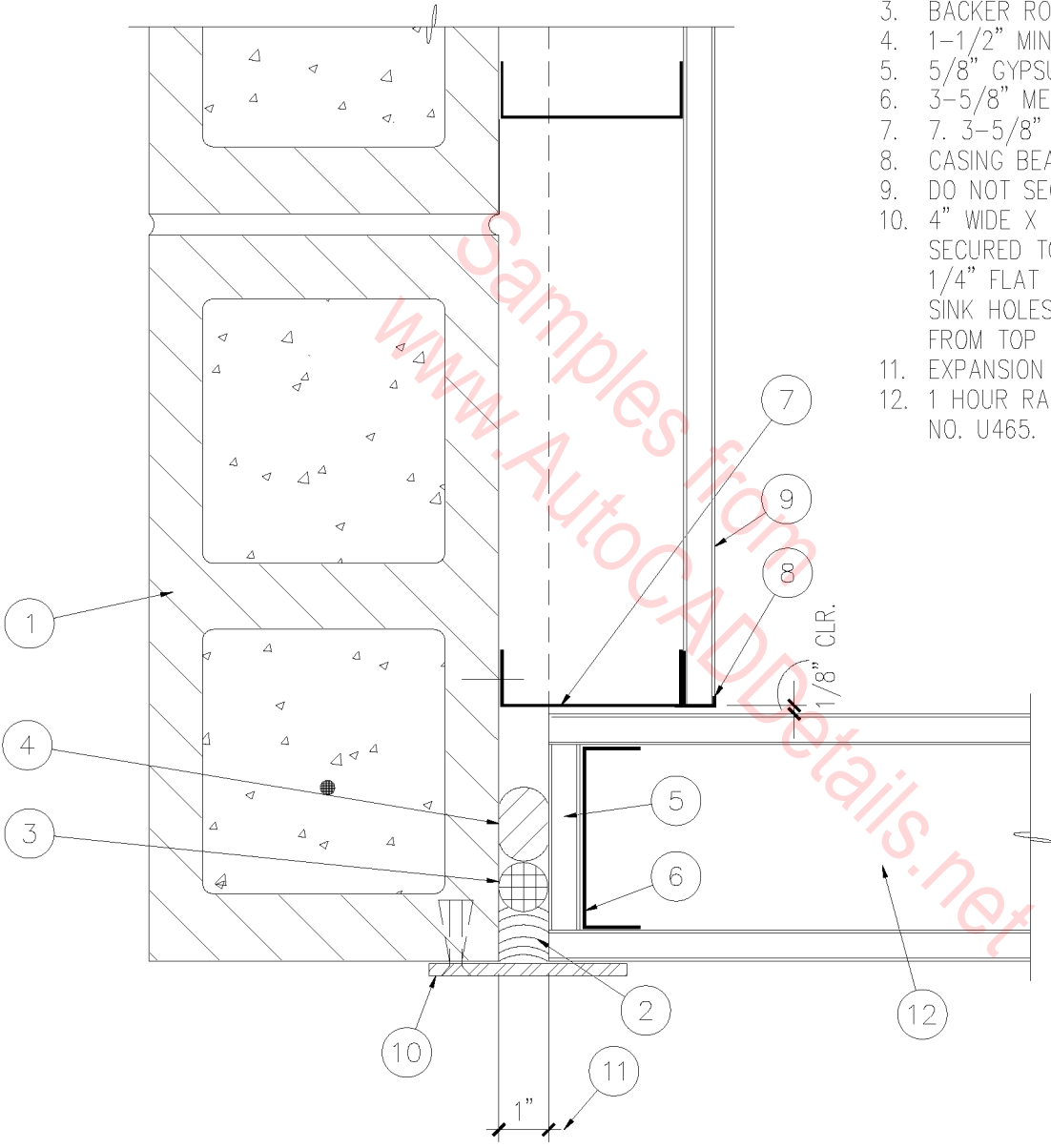


1. MASONRY WALL.
2. SEALANT, 7/8" MIN. DEPTH.
3. BACKER ROD.
4. 1-1/2" MIN. CERAMIC FIBER BLANKET INSULATION.
5. 3-5/8" METAL STUDS SECURE TO MASONRY.
6. 5/8" GYPSUM BOARD.
7. CASING BEAD.
8. DO NOT SECURE FURRED WALLS TOGETHER AT CORNER.
9. 4" WIDE X 1/4" THICK STEEL PLATE CLOSURE. SECURED AT ONE SIDE ONLY WITH 1/4" FLAT HEAD EXPANSION SCREWS IN COUNTERSUNK HOLES AT 24" O.C. PLATE CONTINUOUS FROM TOP OF BASE TO CEILING.

1 HOUR EXPANSION JOINT

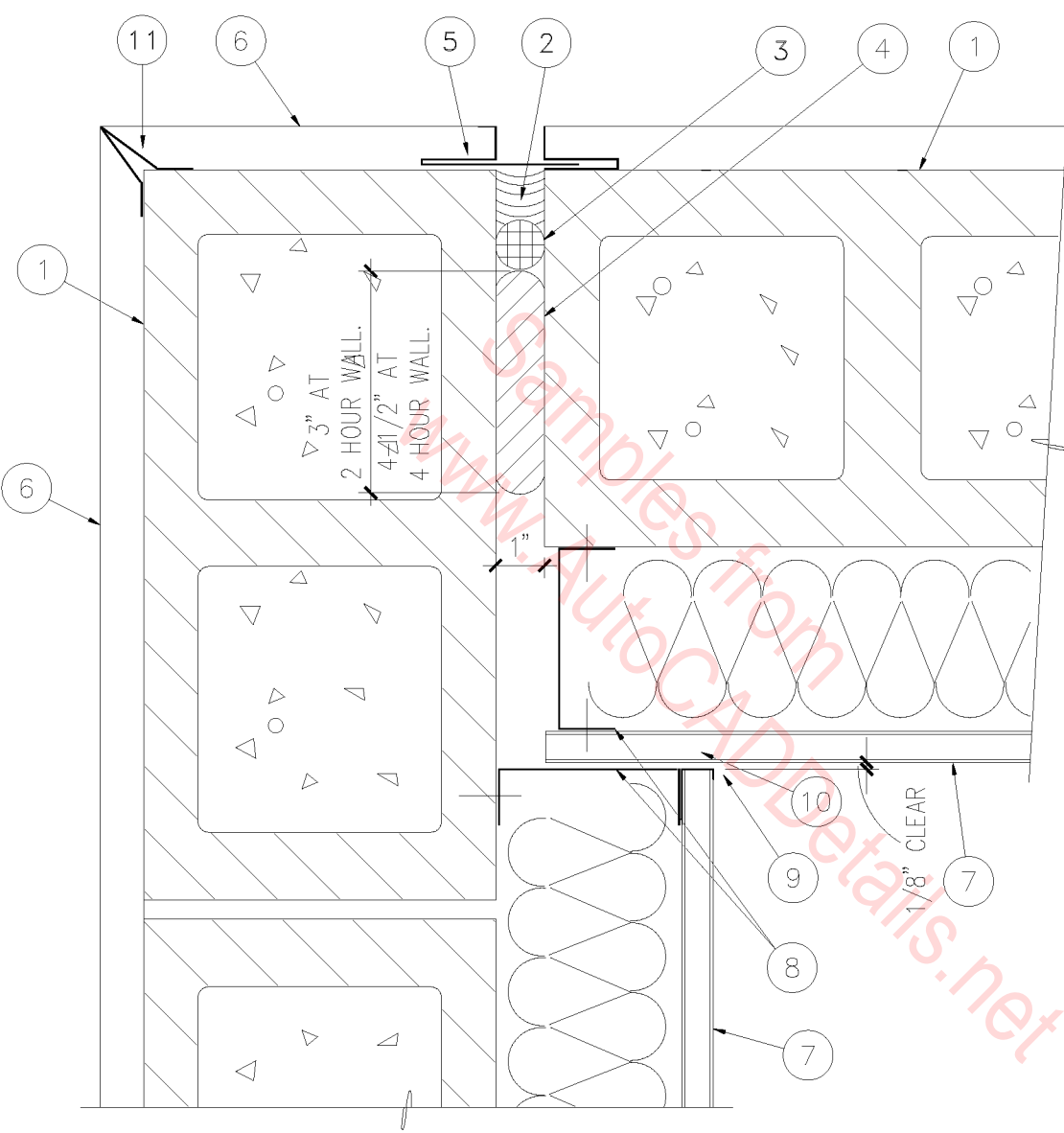
SCALE: 3" = 1'-0"

04B-4009



1. MASONRY WALL.
2. SEALANT, 7/8" MIN. DEPTH.
3. BACKER ROD.
4. 1-1/2" MIN. CERAMIC FIBER BLANKET INSULATION.
5. 5/8" GYPSUM BOARD. WRAP AROUND END STUD.
6. 3-5/8" METAL STUD.
7. 3-5/8" METAL STUD. SECURE TO MASONRY.
8. CASING BEAD.
9. DO NOT SECURE WALLS TOGETHER AT CORNER.
10. 4" WIDE X 1/4" THICK STEEL PLATE CLOSURE. SECURED TO MASONRY AT ONE SIDE ONLY WITH 1/4" FLAT HEAD EXPANSION SCREWS IN COUNTER-SINK HOLES AT 24" O.C. PLATE CONTINUOUS FROM TOP OF BASE TO CEILING.
11. EXPANSION JOINT.
12. 1 HOUR RATED CONSTRUCTION PER UL DESIGN NO. U465.

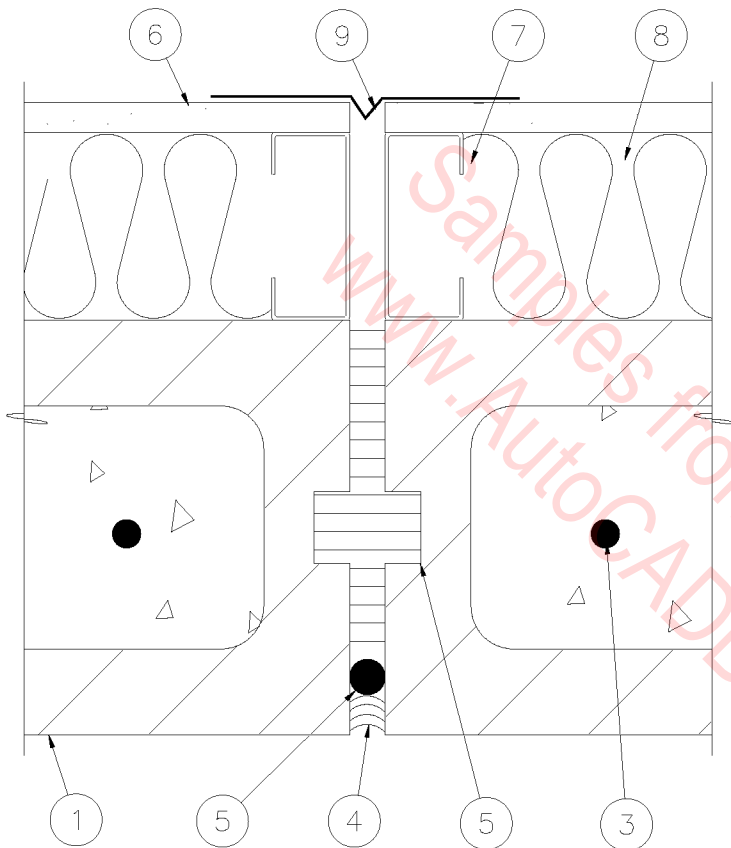
○
1 HOUR EXPANSION JOINT
3" = 1'-0"
04B-4010



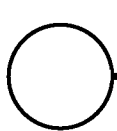
1. MASONRY WALL.
2. SEALANT, 7/8" MIN. DEPTH.
3. BACKER ROD.
4. CERAMIC FIBER BLANKET INSULATION.
5. PLASTER SLIP JOINT.
6. CEMENT PLASTER.
7. 5/8" "X" GYPSUM BOARD.
8. 3-5/8" METAL STUDS. SECURE TO MASONRY.
9. CASING BEAD.
10. DO NOT SECURE FURRED WALLS TOGETHER AT CORNER.
11. PLASTER CORNER BEAD.

○
2 & 4 HOUR EXP. JOINT
3" = 1'-0"

04B-4011



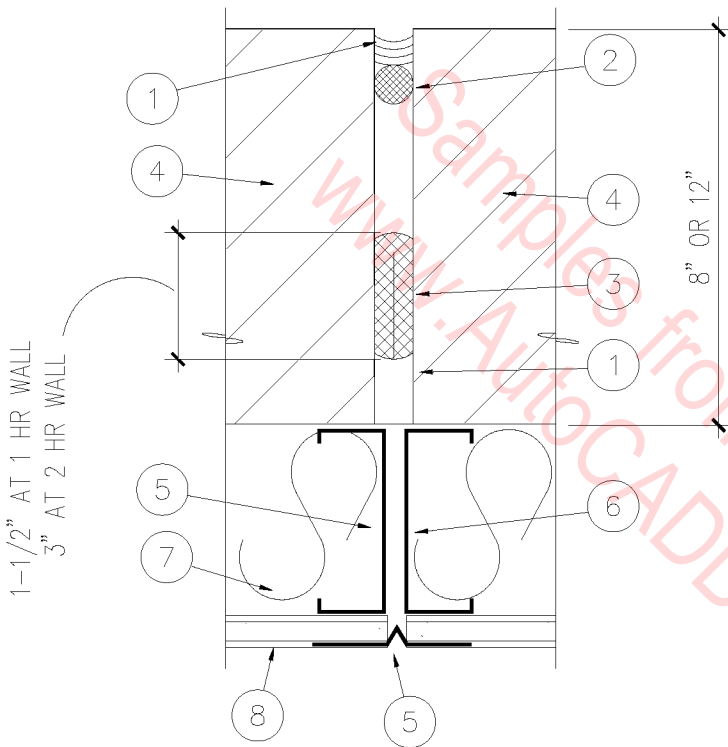
1. MASONRY WALL.
2. EXPANSION JOINT MATERIAL.
3. FULLY GROUTED CELL BOTH SIDES OF JOINT.
4. SEALANT.
5. BACKER ROD.
6. WALL FINISH AS SCHEDULED.
7. METAL STUDS.
8. BATT INSULATION.
9. GYPSUM BOARD CONTROL JOINT.



MASONRY CONTROL JOINT

3" = 1'-0"

04B-4012

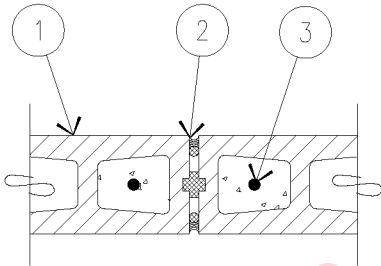


1. FIRE STOPPING SEALANT, 'TREMCO' DYMETRIC, POLYTREMDYNE TERPOLYMER.
2. JOINT FILLER - POLYETHYLENE CLOSED-CELL FOAM, BY 'DOW CHEMICAL'.
3. 'CERABLANKET-FS' - CERAMIC FIBER BLANKET INSULATION, BY 'JOHNS-MANVILLE'.
4. CMU WALL.
5. METAL CONTROL JOINT.
6. METAL STUDS.
7. R-11 BATT INSULATION.
8. 5/8"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

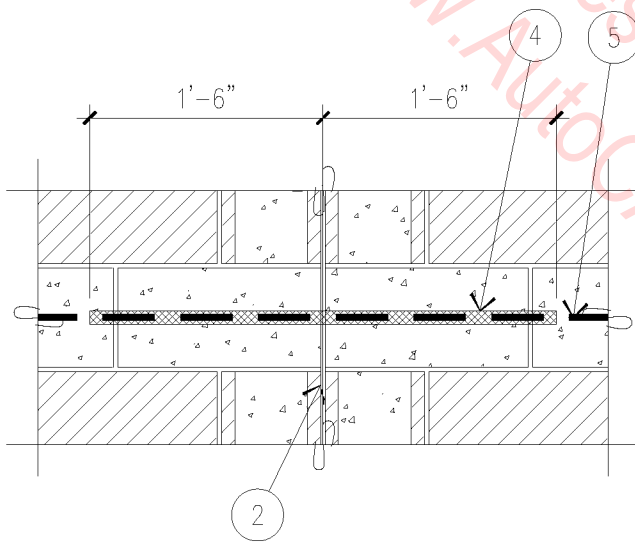
1 & 2 HOUR CONTROL JOINT

3" = 1'-0"

04B-4013

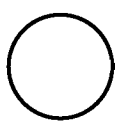


PLAN



ELEVATION

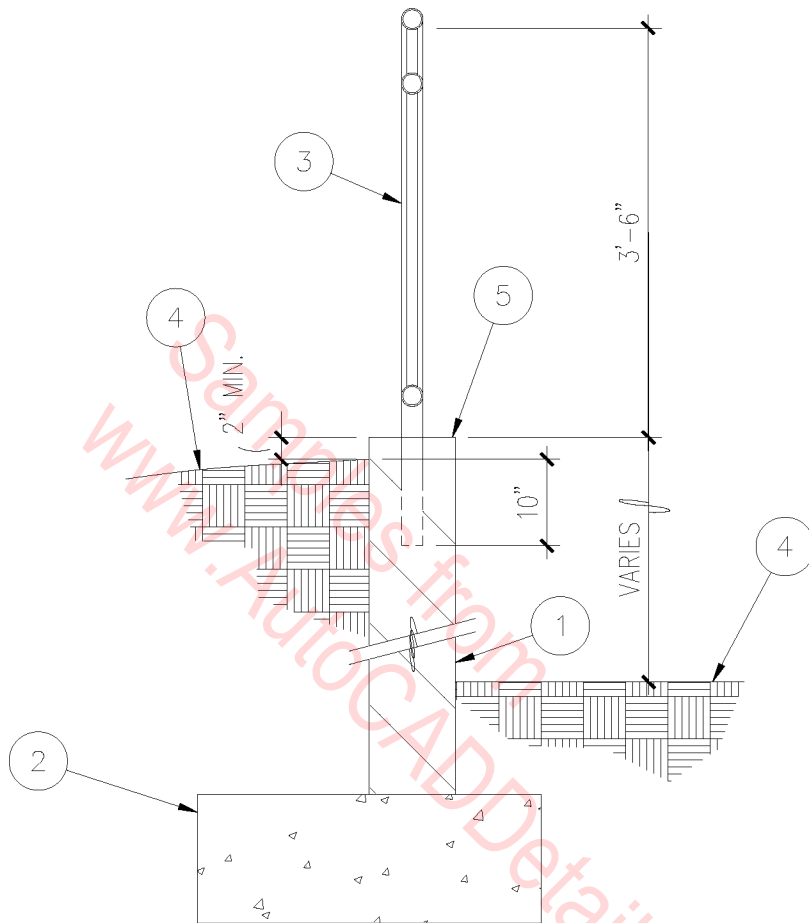
1. 8 X 8 X 16 CMU WALL.
2. CONTROL JOINT PER ARCHITECTURAL DRAWINGS.
3. (1) #5 REBAR EACH SIDE OF JOINT IN SOLID GROUTED CELLS, DOWELS TO MATCH VERTICAL WALL REINFORCEMENT.
4. WRAP REINFORCING WITH MASTIC FOR BOND BREAK.
5. (2) #5 REBARS AT BOND BEAM, DO NOT LAP WITHIN 8'-0" OF THE CONTROL JOINT.



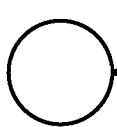
CMU CONTROL JOINT

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

04B-4014



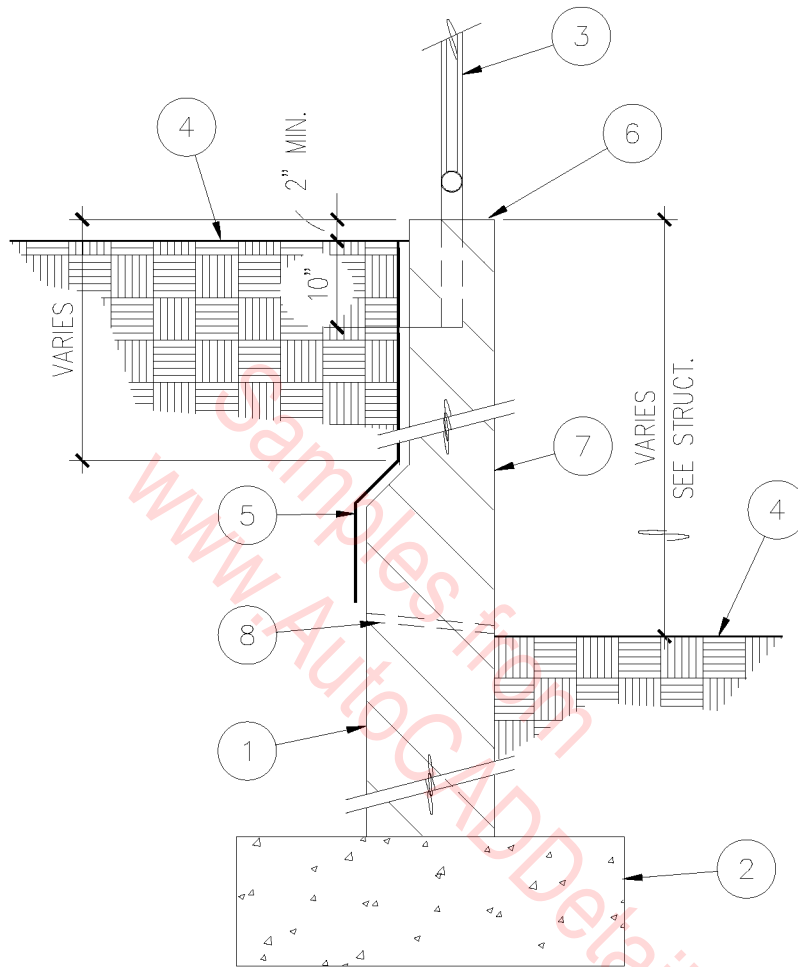
1. EXPOSED FACE OF WALL SPLIT FACE BLOCK.
2. CONCRETE FOOTING – SEE STRUCTURAL.
3. TYPICAL GUARD RAIL.
4. FINISH GRADE.
5. SLOPE TOP OF WALL WHERE APPLICABLE SAW CUT BLOCK AS REQUIRED.



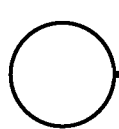
GUARD RAIL @ RET. WALL

1/2" = 1'-0"

04B-5001



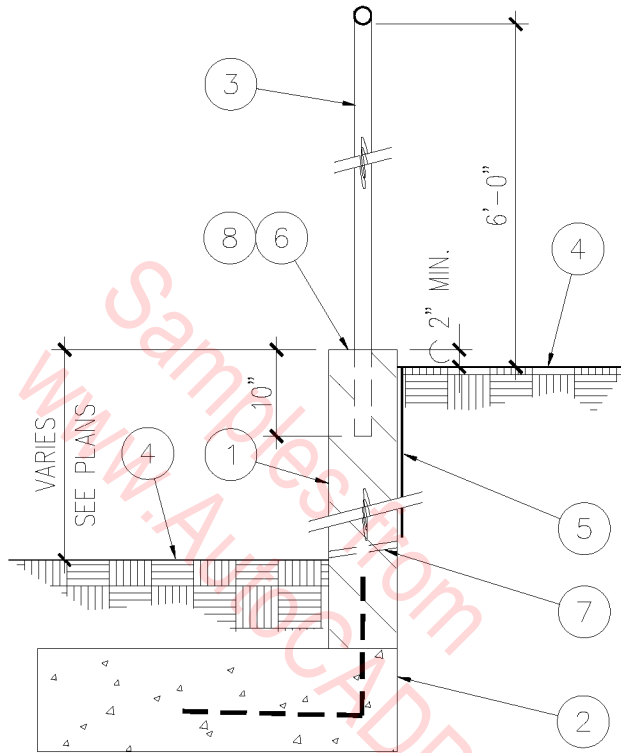
1. RETAINING WALL.
2. CONCRETE FOOTING - SEE STRUCTURAL.
3. GUARD RAIL.
4. FINISH GRADE.
5. WATERPROOFING.
6. SLOPE TOP OF WALL WHERE APPLICABLE.
SAW CUT BLOCK AS REQUIRED.
7. EXPOSED FACE OF WALL - SPLIT
FACE BLOCK.



GUARD RAIL @ RET. WALL

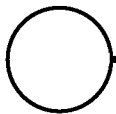
1/2" = 1'-0"

04B-5002



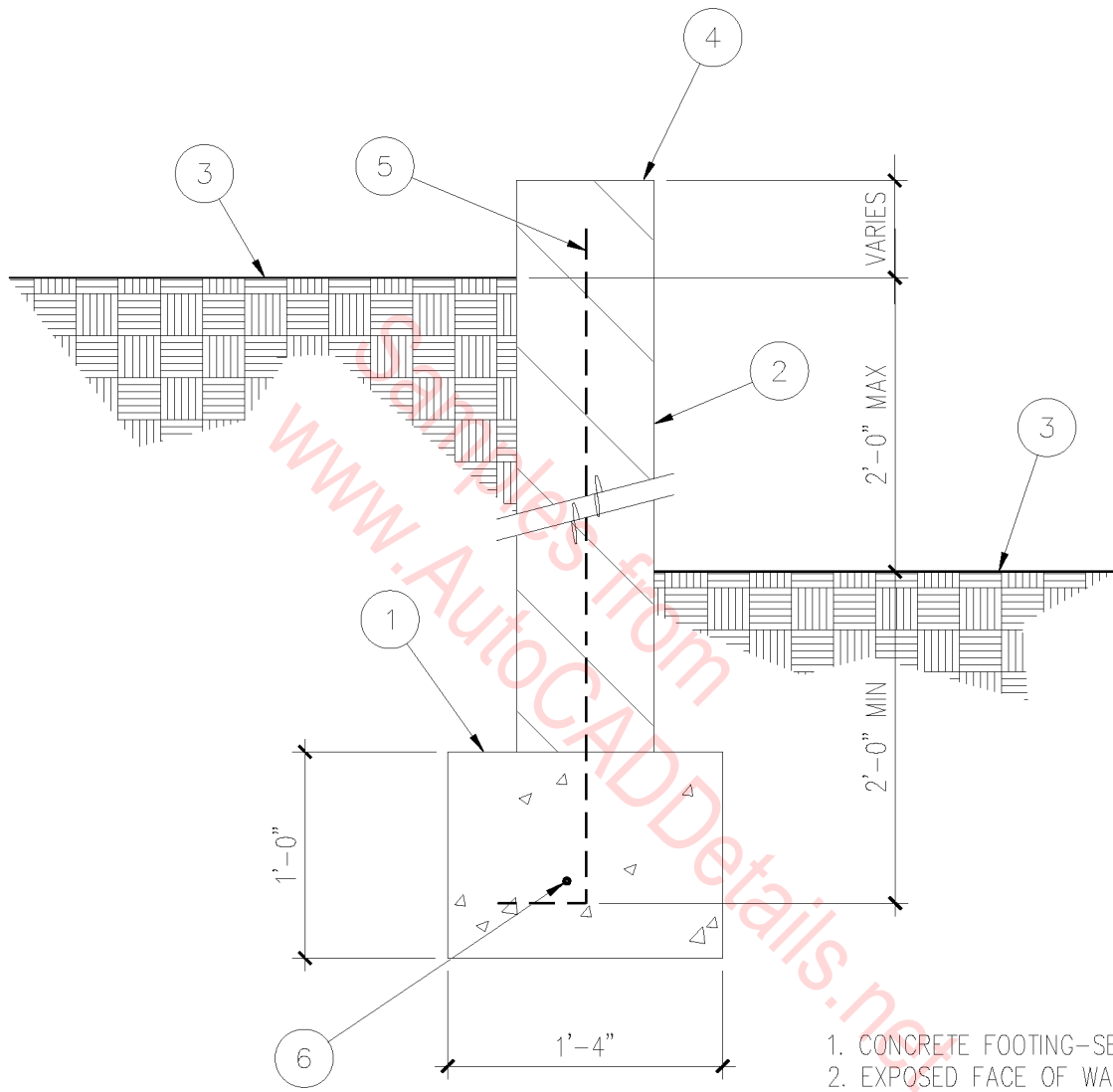
1. RETAINING WALL - SEE STRUCTURAL.
2. CONCRETE FOOTING - SEE STRUCTURAL.
3. GUARD RAIL.
4. FINISH GRADE.
5. WATERPROOFING.
6. SOLID CAP BLOCK.
7. WEEP HOLE.
8. SLOPE TOP OF WALL WHERE APPLICABLE
SAW CUT BLOCK AS REQUIRED.

RETAINING WALL WITH OFFSET FOOTING



1/2" = 1'-0"

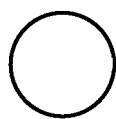
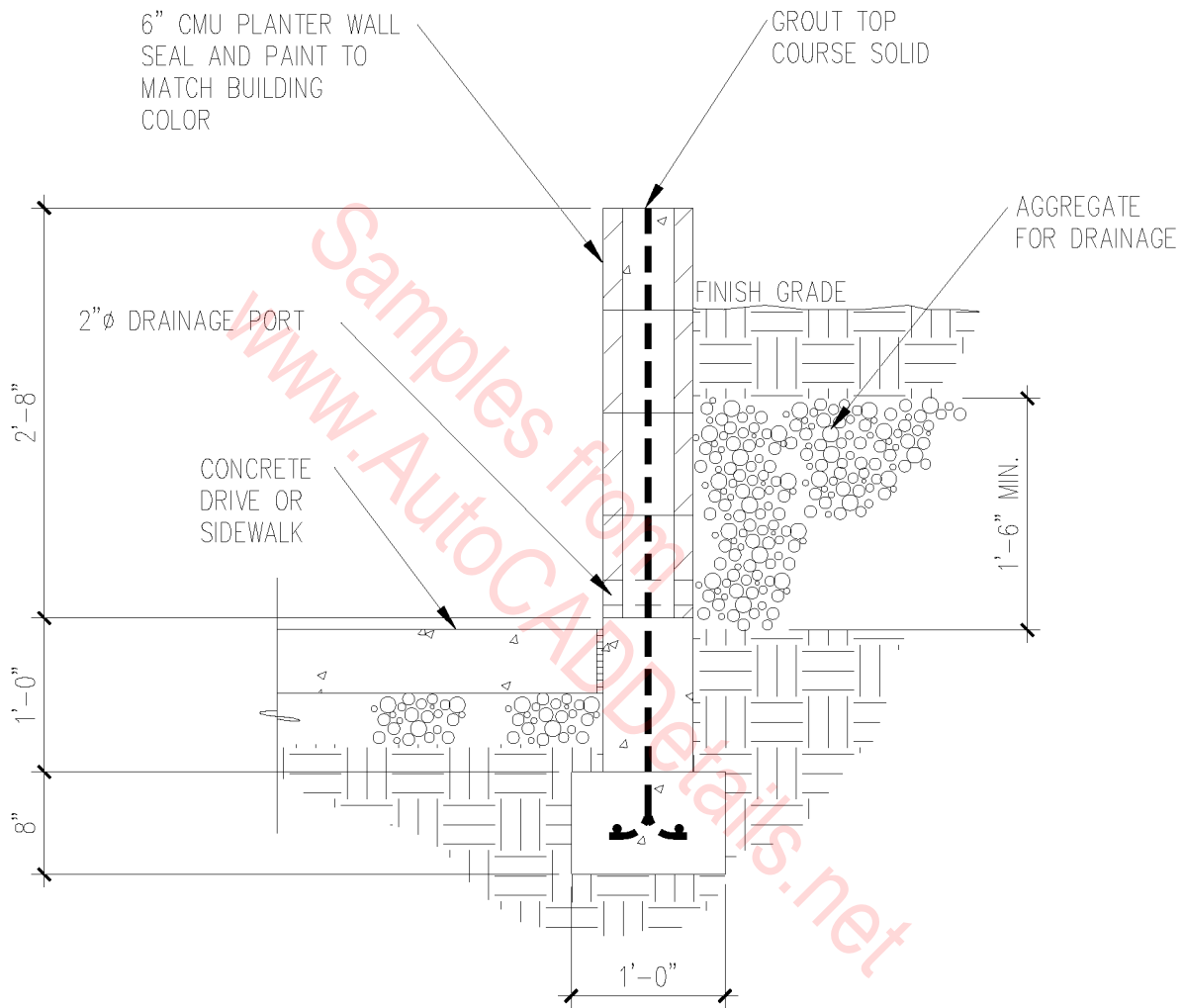
04B-5003



1. CONCRETE FOOTING—SEE STRUCTURAL.
2. EXPOSED FACE OF WALL SPLIT FACE BLOCK.
3. FINISH GRADE.
4. SLOPE TOP OF WALL WHERE APPLICABLE SAW CUT BLOCK AS REQUIRED.
5. #5 REBAR AT 48" O.C.
6. #4 REBAR CONT.

○ RETAINING WALL
 1" = 1'-0"

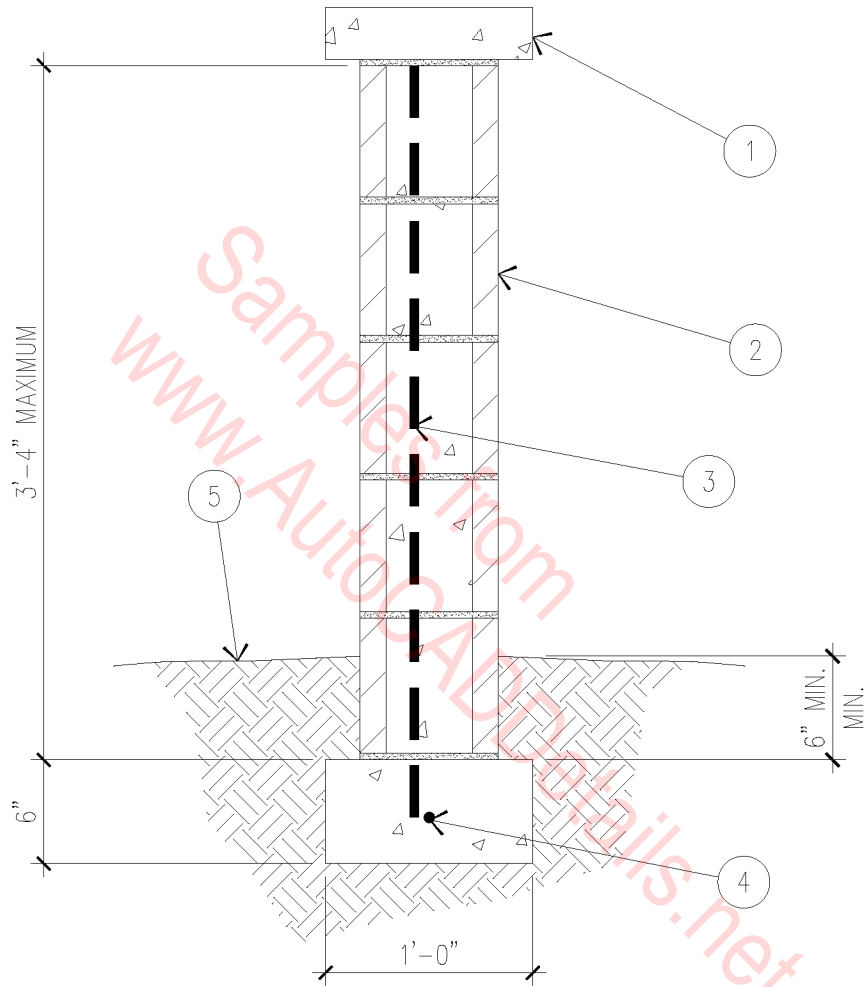
04B-5004



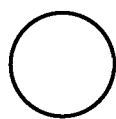
C.M.U. PLANTER SECTION

3/4" = 1'-0"

04B-5005



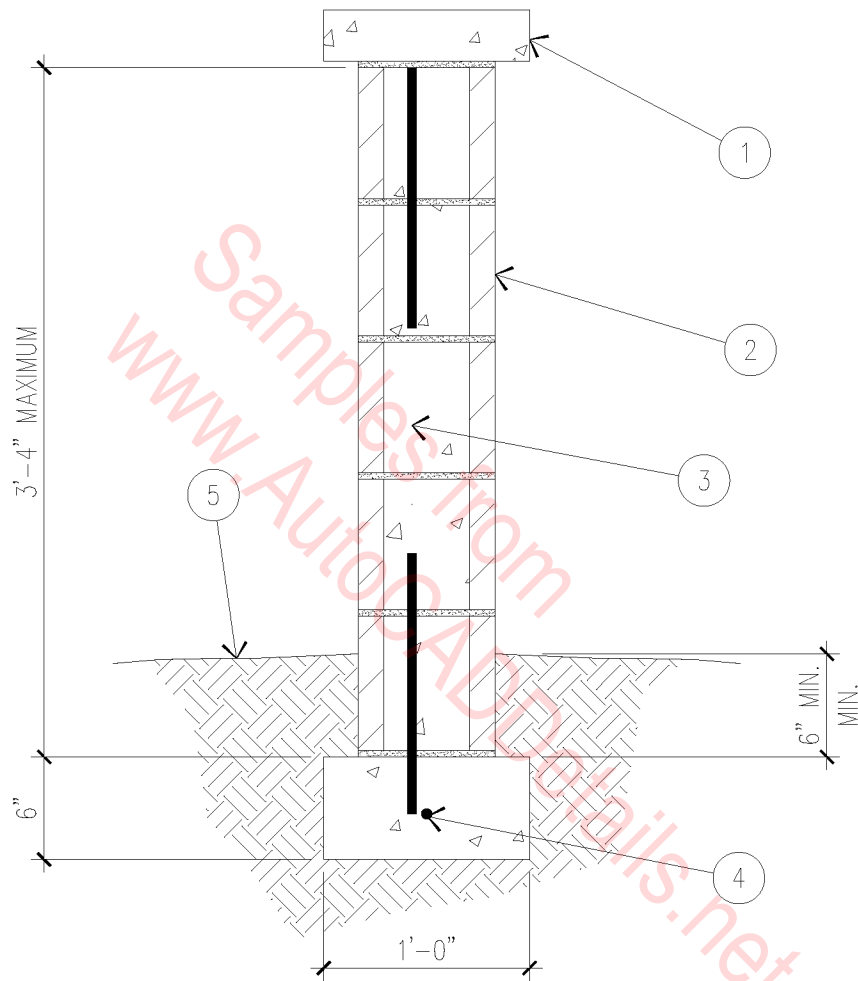
- | | |
|--|-------------------|
| 1. SOLID CAP BLOCK. | 4. #4 CONTINUOUS. |
| 2. 8" C.M.U. | 5. FINISH GRADE. |
| 3. #4 VERTICALS 4" FROM OPENINGS AND CORNERS AT 49" O.C. WITH 6" HOOK. | |



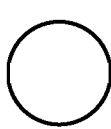
CMU FENCE

1" = 1'-0"

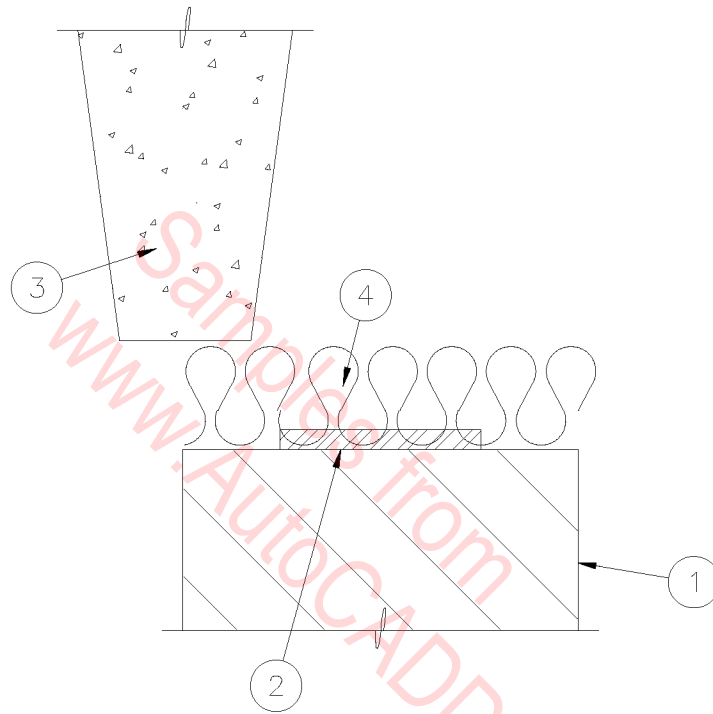
04B-5006



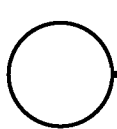
- | | |
|--|-------------------|
| 1. SOLID CAP BLOCK. | 4. #4 CONTINUOUS. |
| 2. 8" C.M.U. | 5. FINISH GRADE. |
| 3. #4 VERTICALS 4" FROM OPENINGS AND CORNERS AT 49" O.C. WITH 6" HOOK. | |


CMU FENCE
 1" = 1'-0"

04B-5006



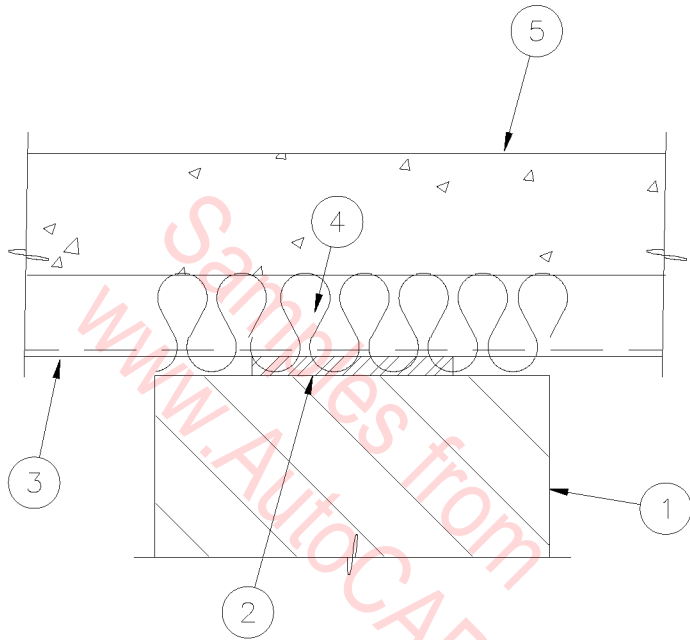
1. MASONRY WALL.
2. WELD PLATE.
3. CONCRETE TEES
PARALLEL TO WALL.
4. FIRE SAFING MATERIAL.



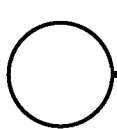
WALL @ CONCRETE TEE

SCALE: 1" = 1'-0"

04B-6001



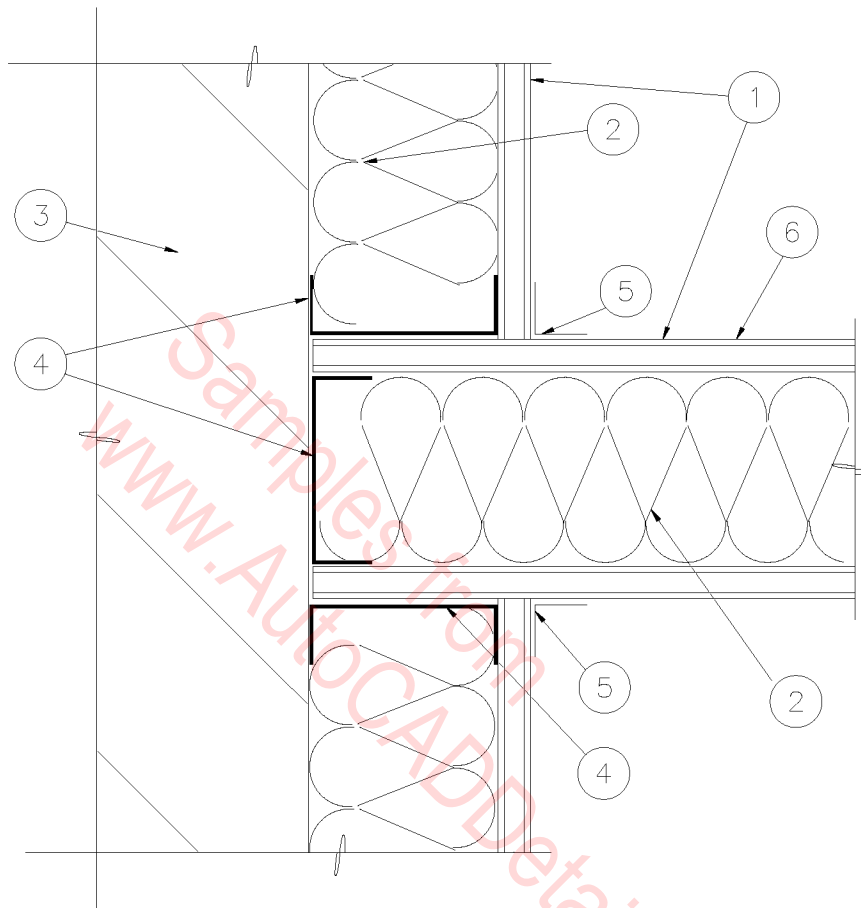
1. MASONRY WALL.
2. WELD PLATE.
3. METAL DECK, FLUTES
PERPENDICULAR TO WALL.
4. FIRE SAFING MATERIAL.
5. CONCRETE FLOOR SLAB.



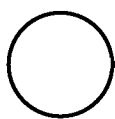
CMU WALL @ ROOF DECK

SCALE: 1" = 1'-0"

04B-6002



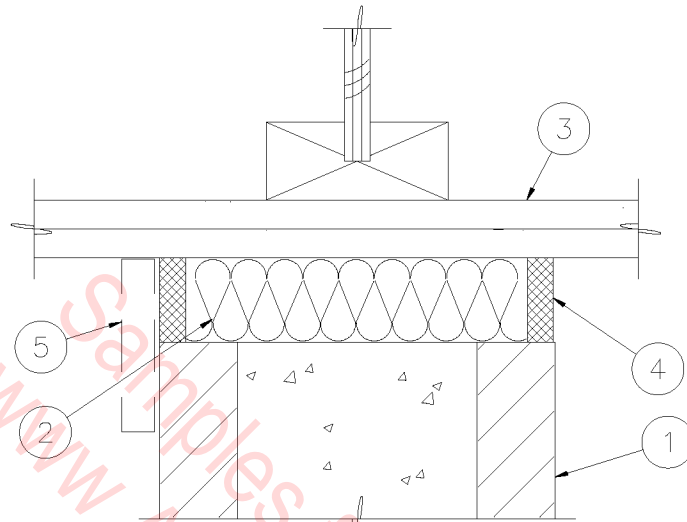
1. 5/8" TYPE 'X' GYPSUM BOARD.
2. INSULATION WHERE OCCURS.
3. MASONRY WALL.
4. 3-5/8" METAL STUDS
5. TAPE ALL JOINTS.
6. 1 HR CONSTRUCTION NON-BEARING WALL ASSEMBLY. UL DESIGN NO. U465.



RESISTIVE WALL AT CMU

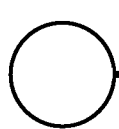
SCALE: 3" = 1'-0"

04B-6003



UL THROUGH-PENETRATION FIRESTOP SYSTEMS DESIGN NO. 327.

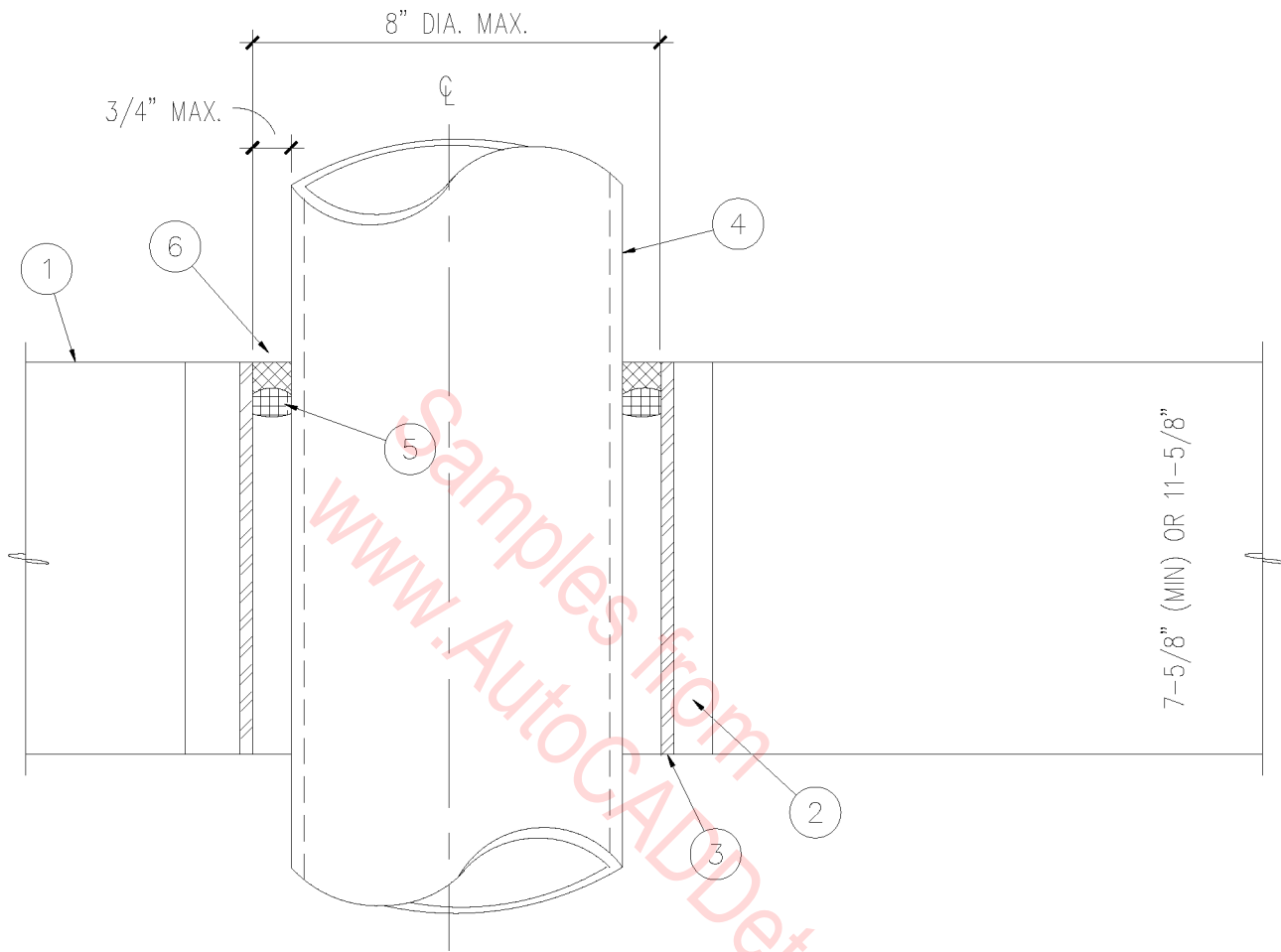
1. FIRE RESISTANT MASONRY WALL UL NO. U905.
2. FIRE SAFING INSULATION.
3. COMPOSITE SHEET ROOFING SYSTEM ON PLYWOOD DECK OR (2) LAYERS 5/8" TYPE 'X' GYPSUM BOARD, ATTACHED TO UNDERSIDE OF STRUCTURAL TRUSSES.
4. 1/2" 'TREMCO' FYRE-SIL SEALANT.
5. 5/8" TYPE 'X' GYPSUM BOARD, CONTINUOUS AT ALL EXPOSED LOCATIONS.



WALL @ ROOF DECK

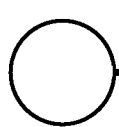
3" = 1'-0"

04B-6004



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

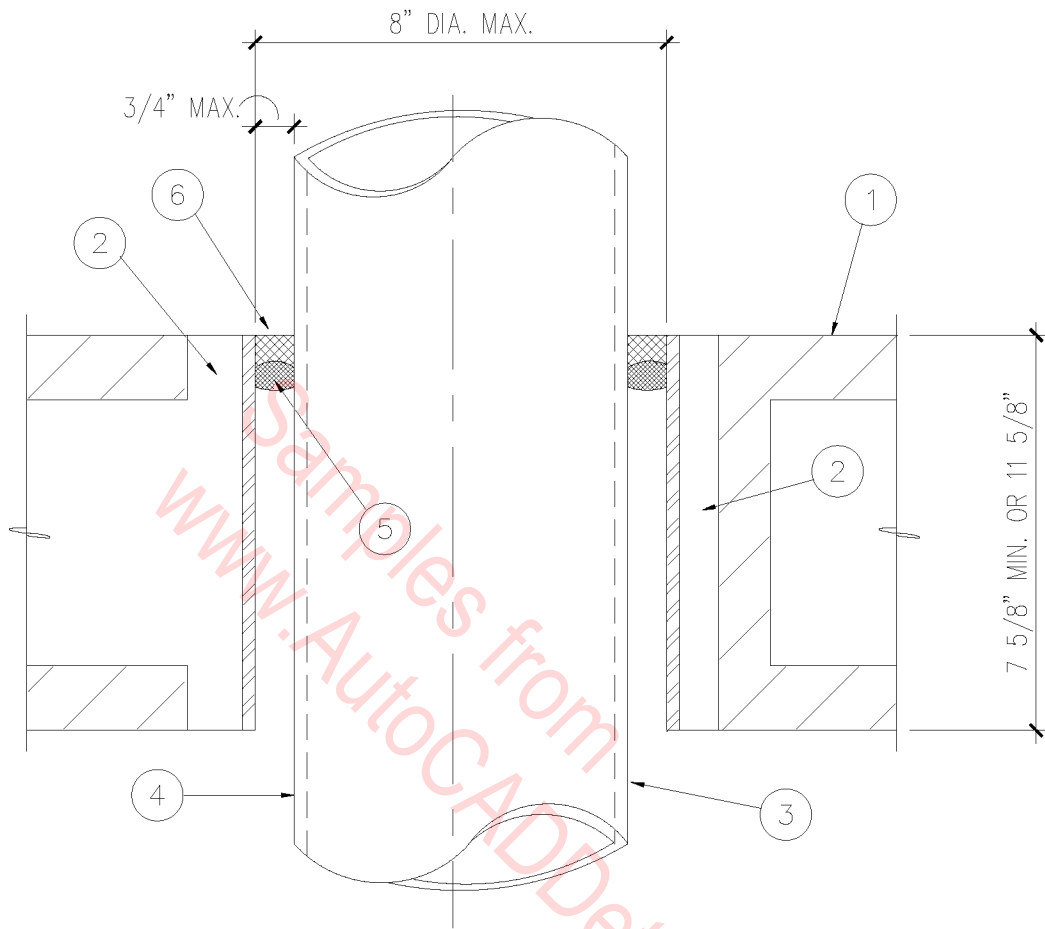
1. 8" CONCRETE MASONRY UNIT OR CONCRETE - 1 OR 2 HOUR WALL.
2. ENCASE SLEEVE IN GROUT.
3. STEEL PIPE SLEEVE - SCHEDULE 40.
4. 6" DIA MAX STEEL PIPE OR CONDUIT.
5. POLYURETHANE BACKER ROD.
6. 1/2" MIN 'TREMCO' FYRE-SHIELD SEALANT.



1 OR 2 HR PENETRATION

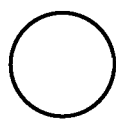
SCALE: 3" = 1'-0"

04B-6005



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

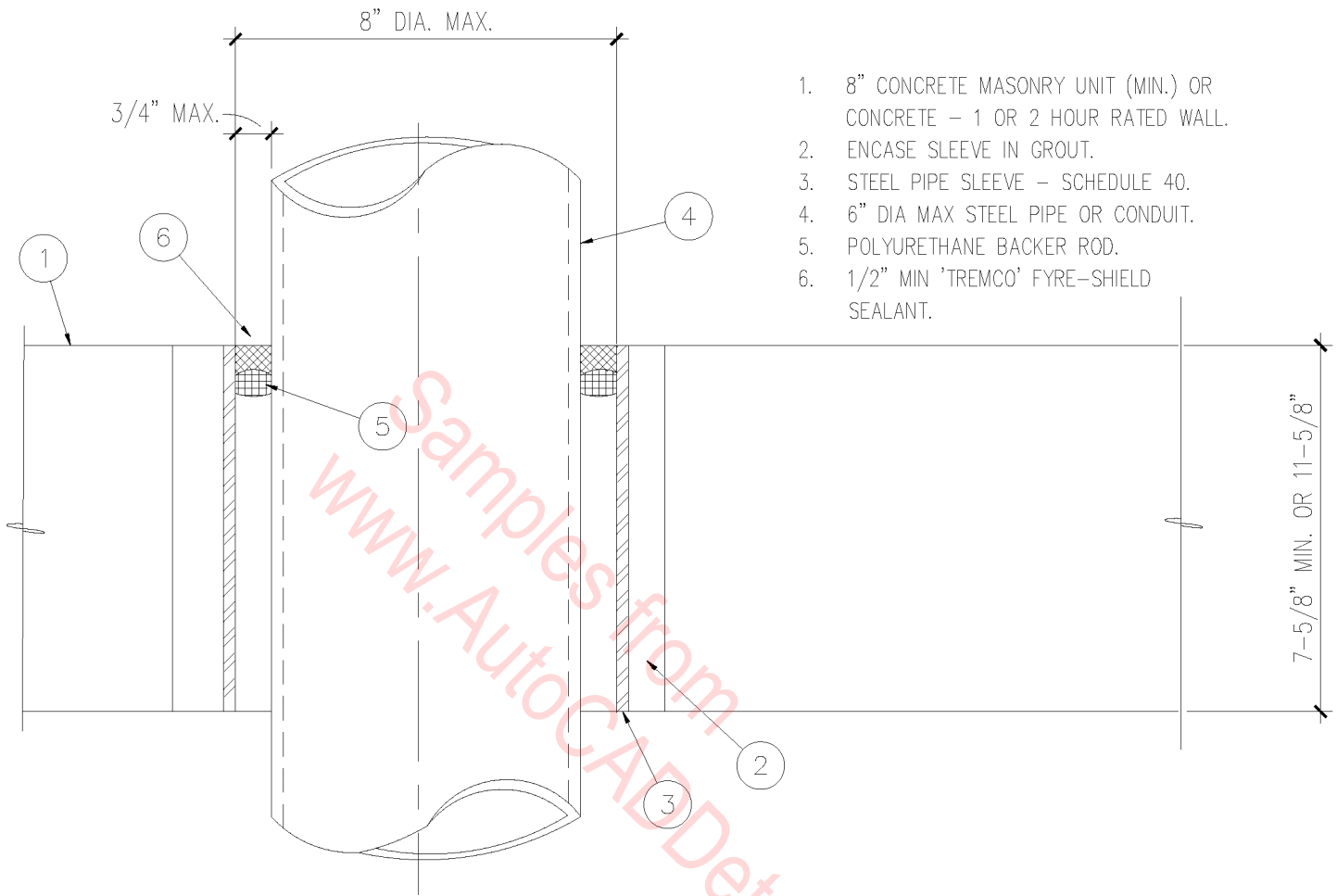
1. 8" CONCRETE MASONRY UNIT FIRE RATED.
2. ENCASE SLEEVE IN GROUT.
3. STEEL PIPE SLEEVE - SCHEDULE 40.
4. 6" DIA MAX STEEL PIPE OR CONDUIT.
5. POLYURETHANE BACKER ROD.
6. 1/2" MIN 'TREMCO' FYRE-SHIELD SEALANT.



2 HR PIPE PENETRATION

SCALE: 3" = 1'-0"

04B-6006



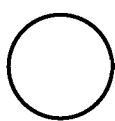
1. 8" CONCRETE MASONRY UNIT (MIN.) OR CONCRETE - 1 OR 2 HOUR RATED WALL.
2. ENCASE SLEEVE IN GROUT.
3. STEEL PIPE SLEEVE - SCHEDULE 40.
4. 6" DIA MAX STEEL PIPE OR CONDUIT.
5. POLYURETHANE BACKER ROD.
6. 1/2" MIN 'TREMCO' FYRE-SHIELD SEALANT.

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

FIRE-RESISTIVE CONSTRUCTION

GENERAL NOTE:

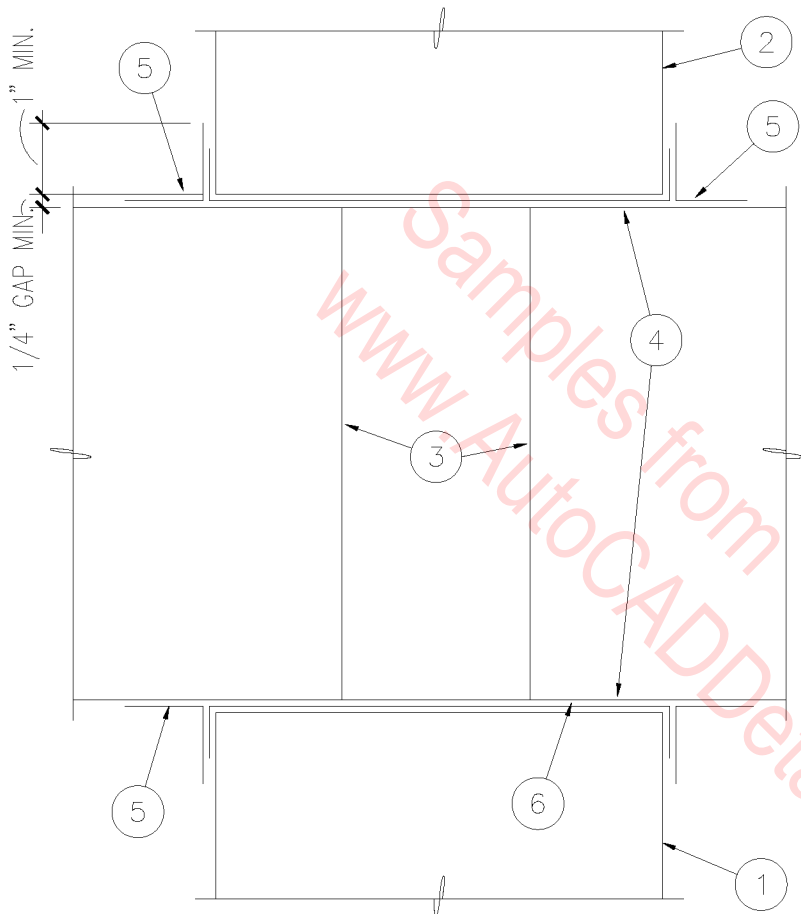
ALL PENETRATIONS OF FIRE-RESISTANT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAILS THAT CONFORM TO UNDERWRITERS LABORATORIES LISTINGS FOR "THROUGH-PENETRATION FIRE STOP SYSTEMS". THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS, FURNISHED BY THE MANUFACTURER OF THE FIRE STOP MATERIAL, 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

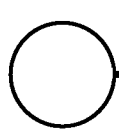
SCALE: 3" = 1'-0"

04B-6007



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.

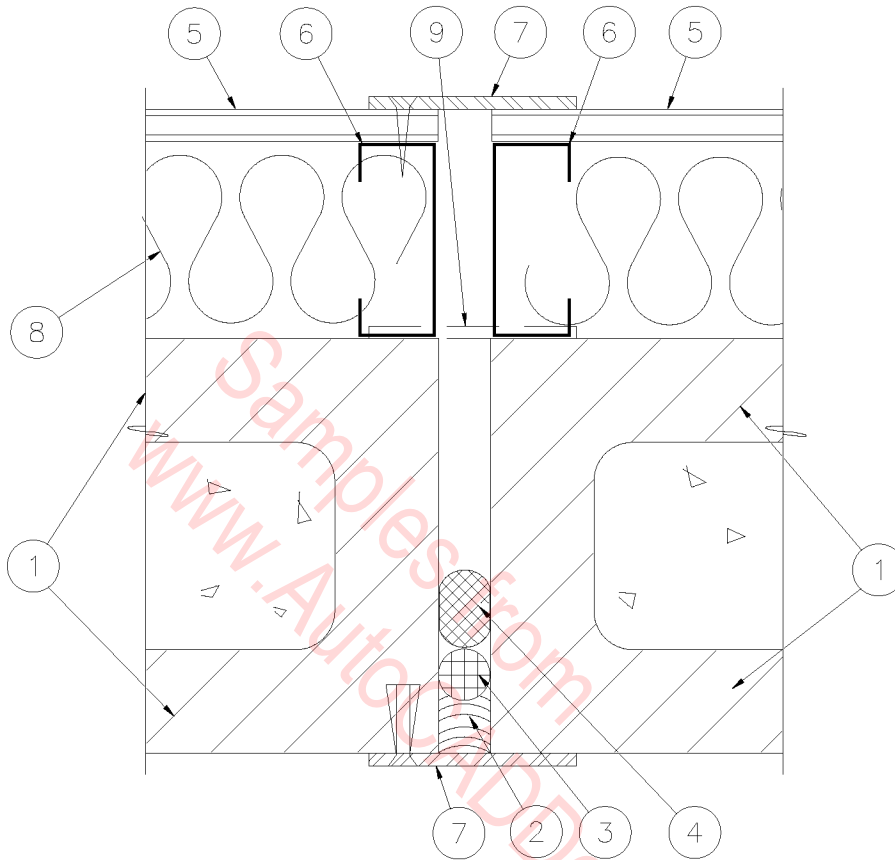
UL SAFETY STANDARD 555 AND NFPA 90A



1 & 2 HR. PENETRATION

3" = 1'-0"

04B-6008

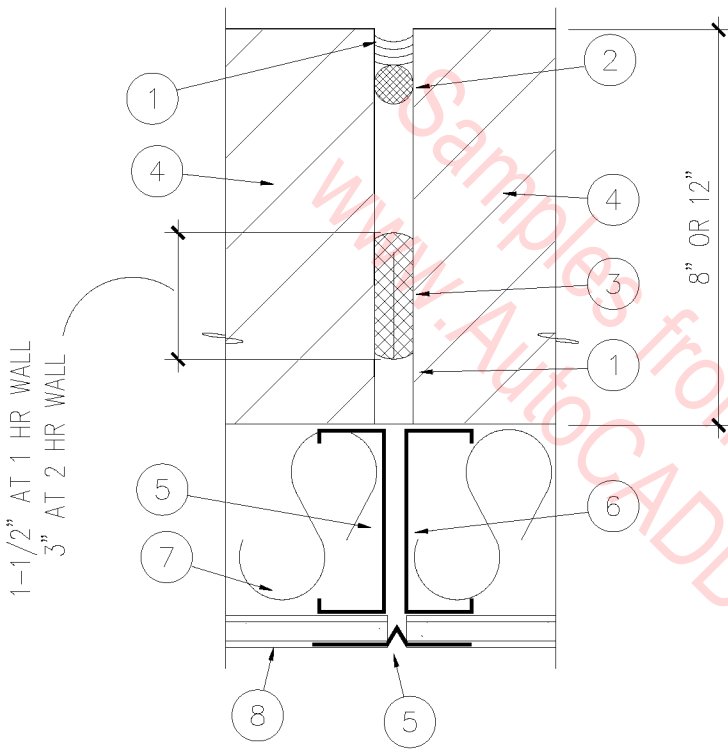


1. MASONRY WALL.
2. SEALANT, 7/8" MIN. DEPTH.
3. BACKER ROD.
4. CERAMIC FIBER BLANKET INSULATION: 1-1/2" AT 1 HOUR WALL, 4-1/2" AT 4 HOUR RATED WALL.
5. 5/8" TYPE 'X' GYPSUM BOARD WHERE OCCURS.
6. 3-5/8" METAL STUDS, WHERE OCCURS.
7. 4" WIDE X 1/4" THICK STEEL PLATE CLOSURE. SECURE AT EXTERIOR WITH 1/4" FLAT HEAD EXPANSION ANCHORS IN COUNTERSUNK HOLES AT 24" O.C. SECURE AT INTERIOR WITH #12 SHEET METAL SCREWS AT 6" O.C. IN COUNTERSUNK HOLES. SECURE AT ONE SIDE OF EXPANSION JOINT ONLY.
8. WALL INSULATION BATTS, WHERE OCCURS.
9. STEEL CLOSURE LOCATION AT INTERIOR MASONRY CONDITION.

2 & 4 HOUR EXPANSION JOINT

3" = 1'-0"

04B-6009

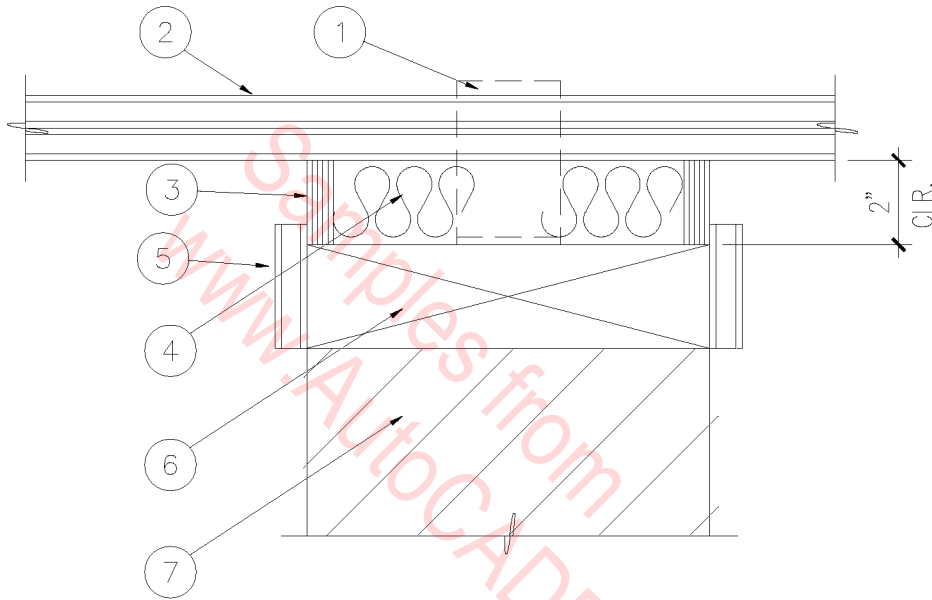


1. FIRE STOPPING SEALANT, 'TREMCO' DYMETRIC, POLYTREMDYNE TERPOLYMER.
2. JOINT FILLER - POLYETHYLENE CLOSED-CELL FOAM, BY 'DOW CHEMICAL'.
3. 'CERABLANKET-FS' - CERAMIC FIBER BLANKET INSULATION, BY 'JOHNS-MANVILLE'.
4. CMU WALL.
5. METAL CONTROL JOINT.
6. METAL STUDS.
7. R-11 BATT INSULATION.
8. 5/8"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

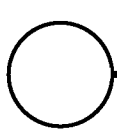
1 & 2 HOUR CONTROL JOINT

3" = 1'-0"

04B-6010



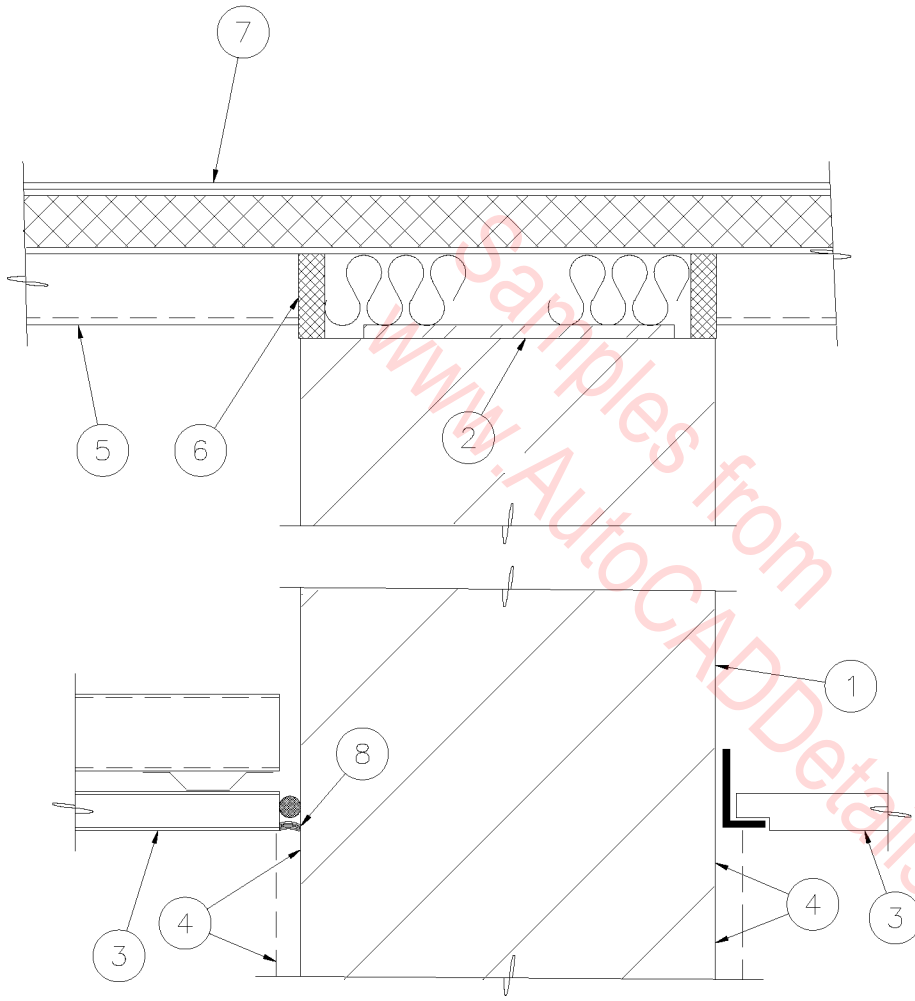
1. METAL STRAP FROM PLATE TO WOOD JOIST.
2. 2 LAYERS 5/8" TYPE 'X' GYP. BD. ON BOTTOM OF WOOD JOIST.
3. 1/2" MIN. DEPTH OF 3M FIRE BARRIER CP 25N/S (UL DES. NO. J900C) OR TREMCO FIRE-SIL SEALANT (UL DES. NO. 327).
4. MINERAL WOOD FIRE-SAFING.
5. 5/8" TYPE 'X' GYP. BD. STRIP ON EACH SIDE OF WOOD PLATE.
6. WOOD PLATE.
7. MASONRY WALL.



C.M.U. WALL @ JOIST

3" = 1'-0"

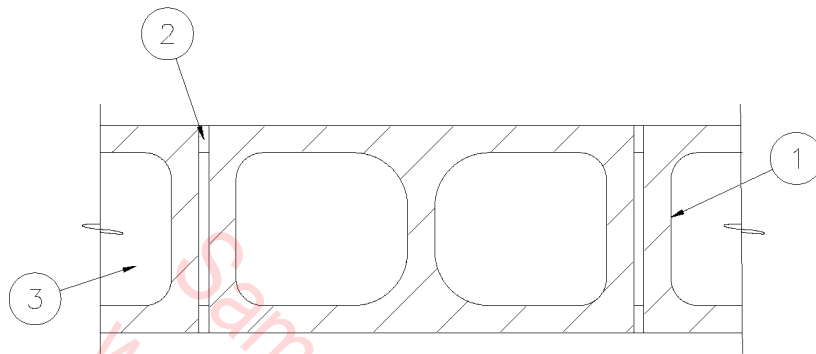
04B-6011



1. MASONRY WALL.
2. WELD PLATE.
3. CEILING WHERE APPLICABLE.
4. SEE ROOM FINISH SCHEDULE & WALL TYPES FOR MATERIAL & FINISH.
5. METAL ROOF DECK.
6. 1/2" 'TREMCO' FYRE-SIL SEALANT EACH SIDE ON FIRE SAFING UL DESIGN NO. 327 AT RATED WALL.
7. ROOFING SYSTEM ON RIGID INSULATION.
8. CASING BEAD AND SEALANT AT GYPSUM BOARD.

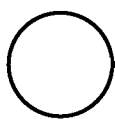
○ WALL @ ROOF DECK
 3" = 1'-0"

04B-6012



UBC TABLE 43-B ITEM 5-1.1.

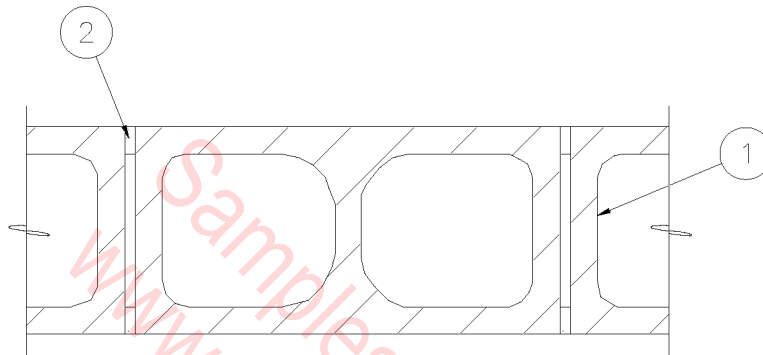
1. 8" NOMINAL CONCRETE MASONRY UNIT (CMU) WALL GROUTED SOLID.
2. MORTAR - BLOCKS LAID IN FULL BED OF MORTAR, NOMINAL 3/8" THICK, OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.
3. SOLID GROUT OR LOOSE FILL INSULATION.



4 HOUR MASONRY WALL

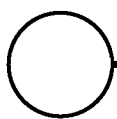
SCALE: 1 1/2" = 1'-0"

04B-6013



UL DESIGN NO. U901

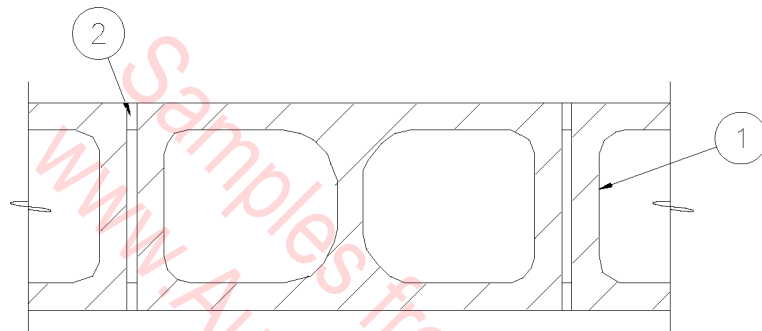
1. 8" NOMINAL CONCRETE MASONRY UNIT (CMU) WALL GROUTED SOLID.
2. MORTAR - BLOCKS LAID IN FULL BED ON MORTAR, NOMINAL 3/8" THICK, OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.



4 HOUR CMU WALL

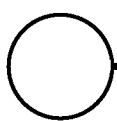
SCALE: 1 1/2" = 1'-0"

04B-6014



UL DESIGN NO. U905

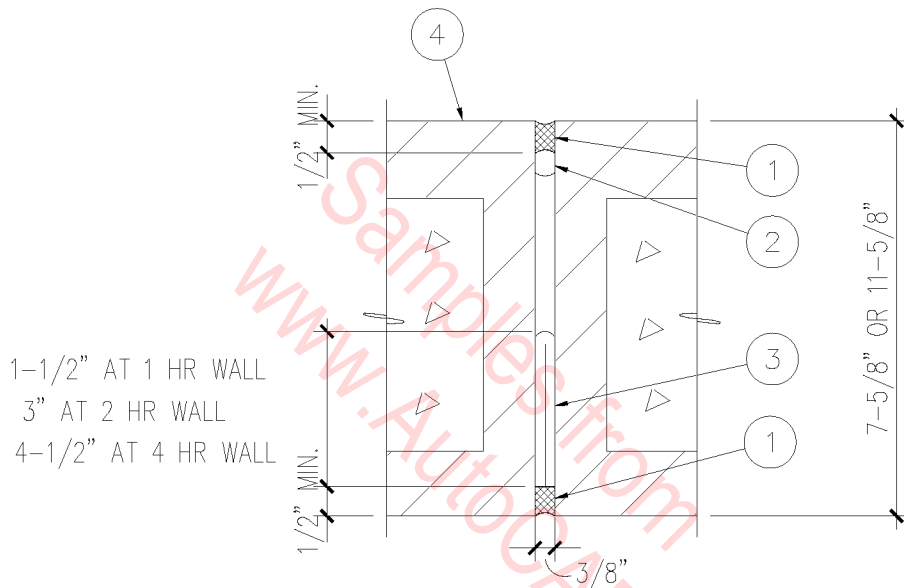
1. 8" NOMINAL CONCRETE MASONRY UNIT (CMU) WALL.
2. MORTAR - BLOCKS LAID IN FULL BED ON MORTAR, NOMINAL 3/8" THICK, OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.



2 HOUR C.M.U. WALL

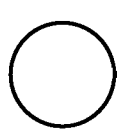
SCALE: 1 1/2" = 1'-0"

04B-6015



ICBO EVALUATION REPORT NO. 3196

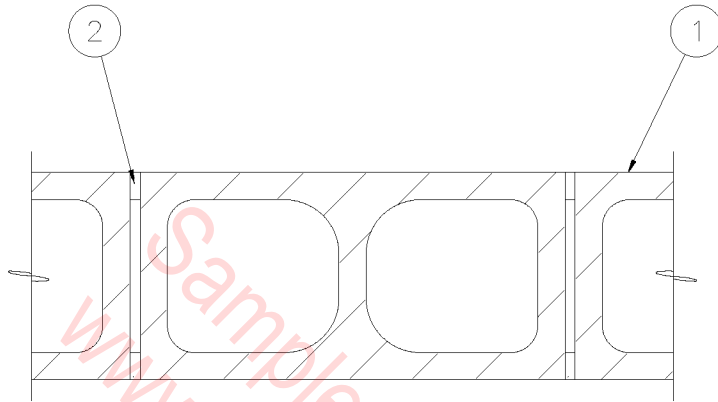
1. FIRE STOPPING SEALANT, 'TREMCO' DYMETRIC, POLYTREMDYNE TERPOLYMER.
2. JOINT FILLER - POLYETHYLENE CLOSED-CELL FOAM, BY 'DOW CHEMICAL'.
3. 'CERABLANKET-FS' - CERAMIC FIBER BLANKET INSULATION, BY 'JOHNS-MANVILLE'.
4. RATED MASONRY WALL.



1, 2 AND 4 HOUR JOINT

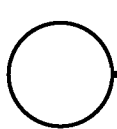
SCALE: 3" = 1'-0"

04B-6016



UBC TABLE 43-B ITEM 5-1.1.

1. 8" NOMINAL CONCRETE MASONRY UNIT (CMU) WALL.
2. MORTAR - BLOCKS LAID IN FULL BED OF MORTAR, NOMINAL 3/8" THICK, OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.

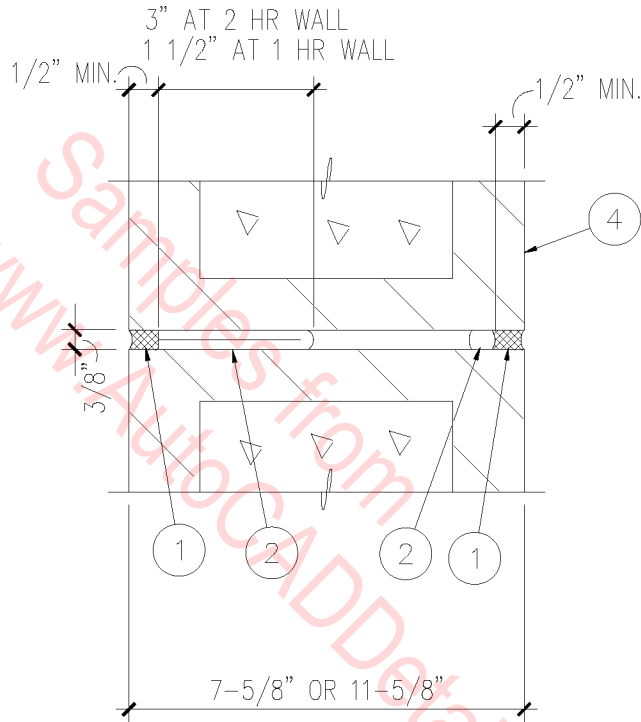


1 OR 2 HOUR CMU WALL

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

04B-6017

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. CMU WITH LIGHTWEIGHT COURSE AGGREGATE, 2 HOUR FIRE RESISTANCE.



GENERAL NOTE

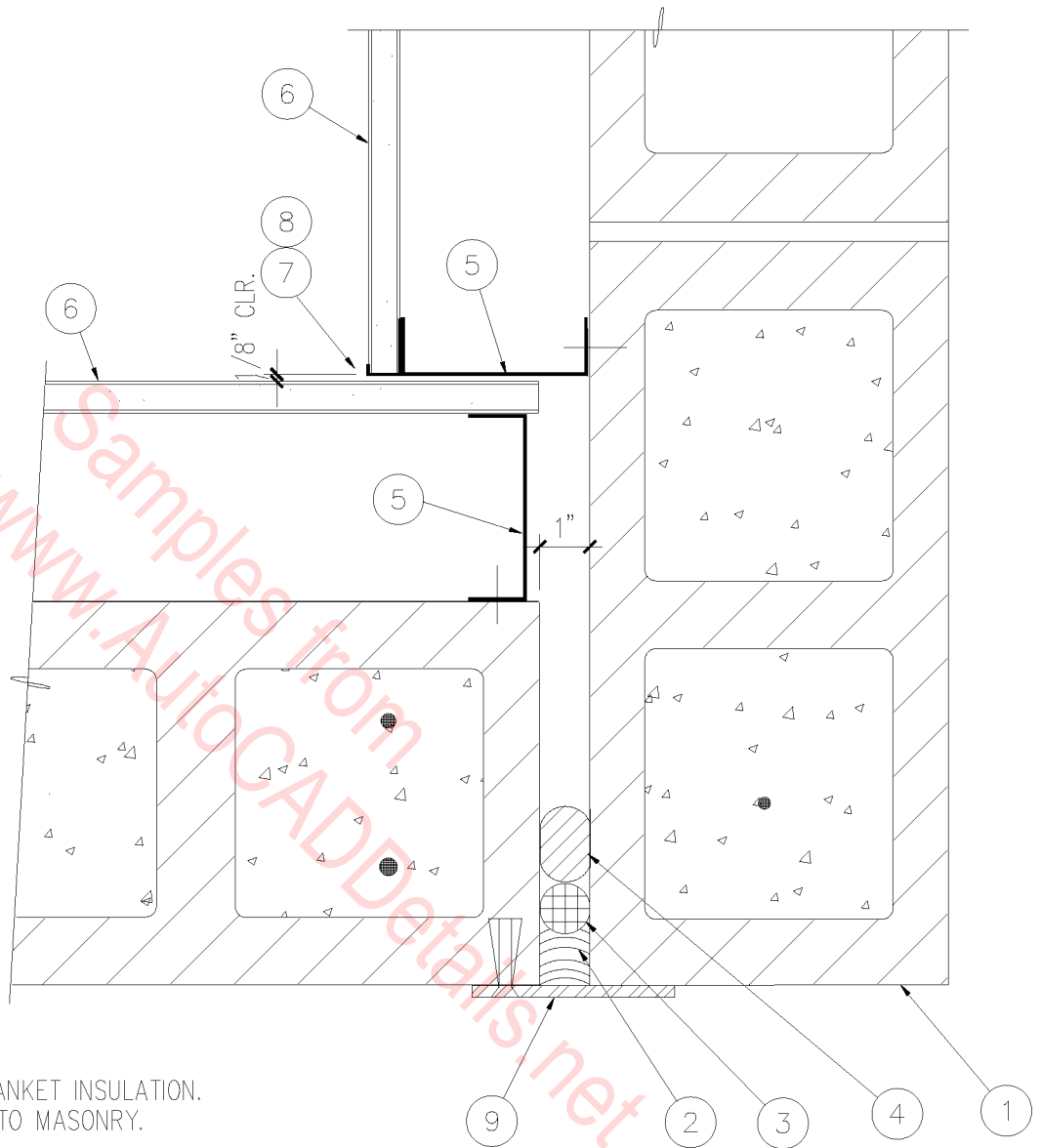
ICBO EVALUATION REPORT NO. 3196

ALL PENETRATIONS OF FIRE-RESISTANT FLOORS OR 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 CITY INSPECTORS. THE DRAWINGS SHALL BE SPECIFIC FOR EACH PENETRATION, WITH ALL VARIABLES DEFINED.

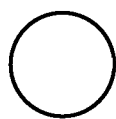
1-1/2 AND 3 HOUR CMU

SCALE: 3" = 1'-0"

04B-6018



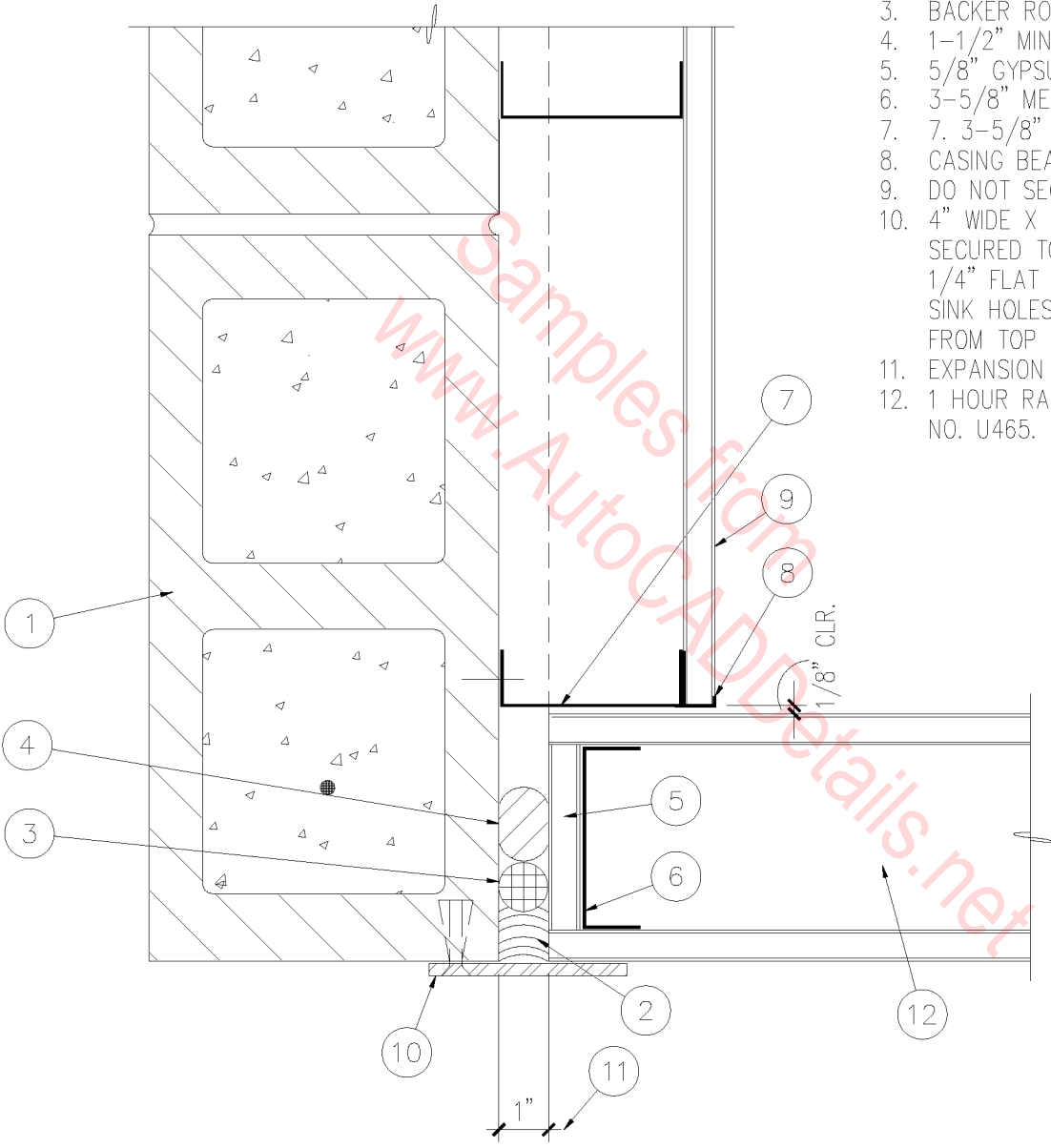
1. MASONRY WALL.
2. SEALANT, 7/8" MIN. DEPTH.
3. BACKER ROD.
4. 1-1/2" MIN. CERAMIC FIBER BLANKET INSULATION.
5. 3-5/8" METAL STUDS SECURE TO MASONRY.
6. 5/8" GYPSUM BOARD.
7. CASING BEAD.
8. DO NOT SECURE FURRED WALLS TOGETHER AT CORNER.
9. 4" WIDE X 1/4" THICK STEEL PLATE CLOSURE. SECURED AT ONE SIDE ONLY WITH 1/4" FLAT HEAD EXPANSION SCREWS IN COUNTERSUNK HOLES AT 24" O.C. PLATE CONTINUOUS FROM TOP OF BASE TO CEILING.



1 HOUR EXPANSION JOINT

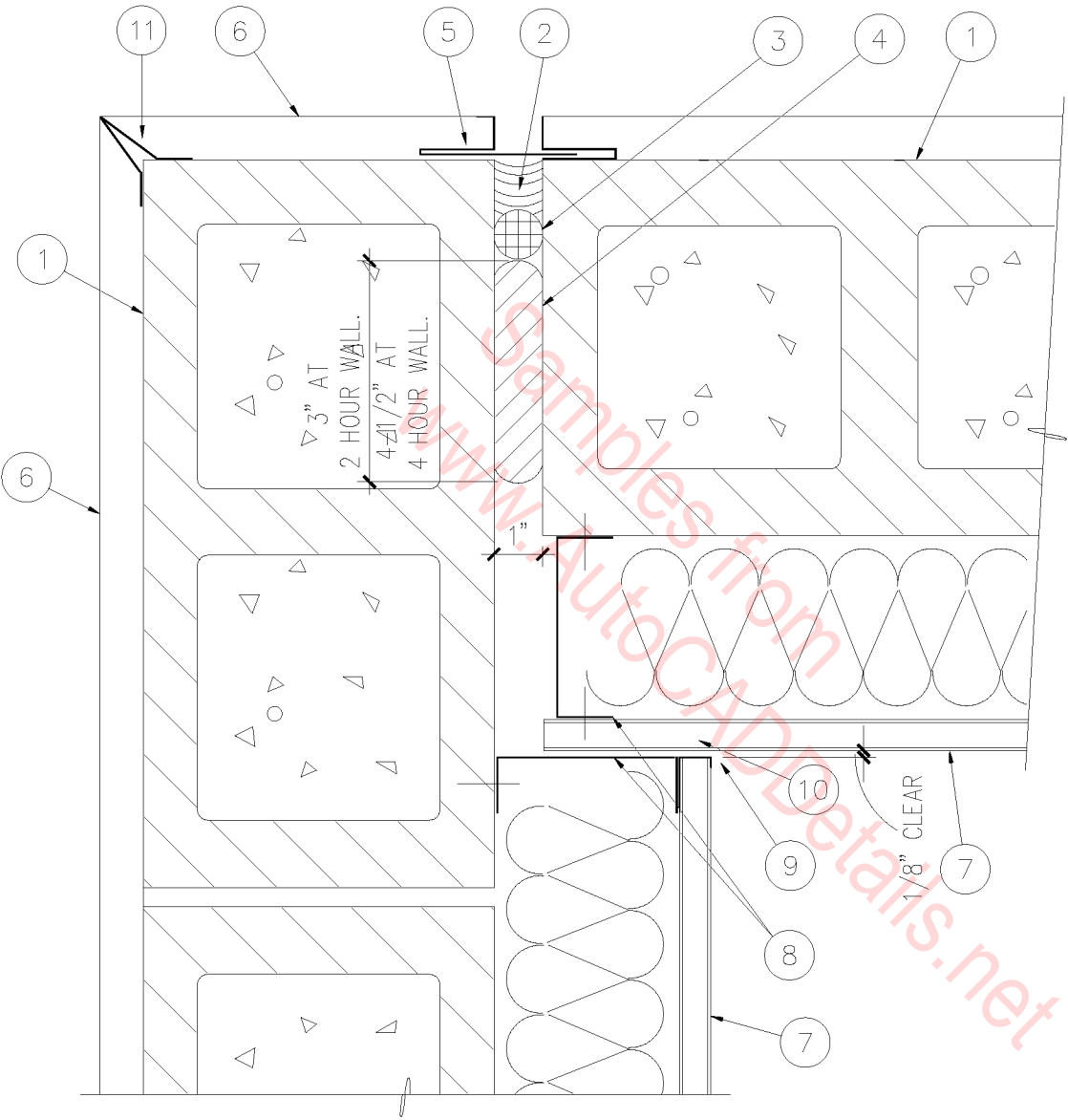
SCALE: 3" = 1'-0"

04B-6019

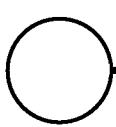


1. MASONRY WALL.
2. SEALANT, 7/8" MIN. DEPTH.
3. BACKER ROD.
4. 1-1/2" MIN. CERAMIC FIBER BLANKET INSULATION.
5. 5/8" GYPSUM BOARD. WRAP AROUND END STUD.
6. 3-5/8" METAL STUD.
7. 7. 3-5/8" METAL STUD. SECURE TO MASONRY.
8. CASING BEAD.
9. DO NOT SECURE WALLS TOGETHER AT CORNER.
10. 4" WIDE X 1/4" THICK STEEL PLATE CLOSURE. SECURED TO MASONRY AT ONE SIDE ONLY WITH 1/4" FLAT HEAD EXPANSION SCREWS IN COUNTER-SINK HOLES AT 24" O.C. PLATE CONTINUOUS FROM TOP OF BASE TO CEILING.
11. EXPANSION JOINT.
12. 1 HOUR RATED CONSTRUCTION PER UL DESIGN NO. U465.

○ 1 HOUR EXPANSION JOINT
 3" = 1'-0" 04B-6020



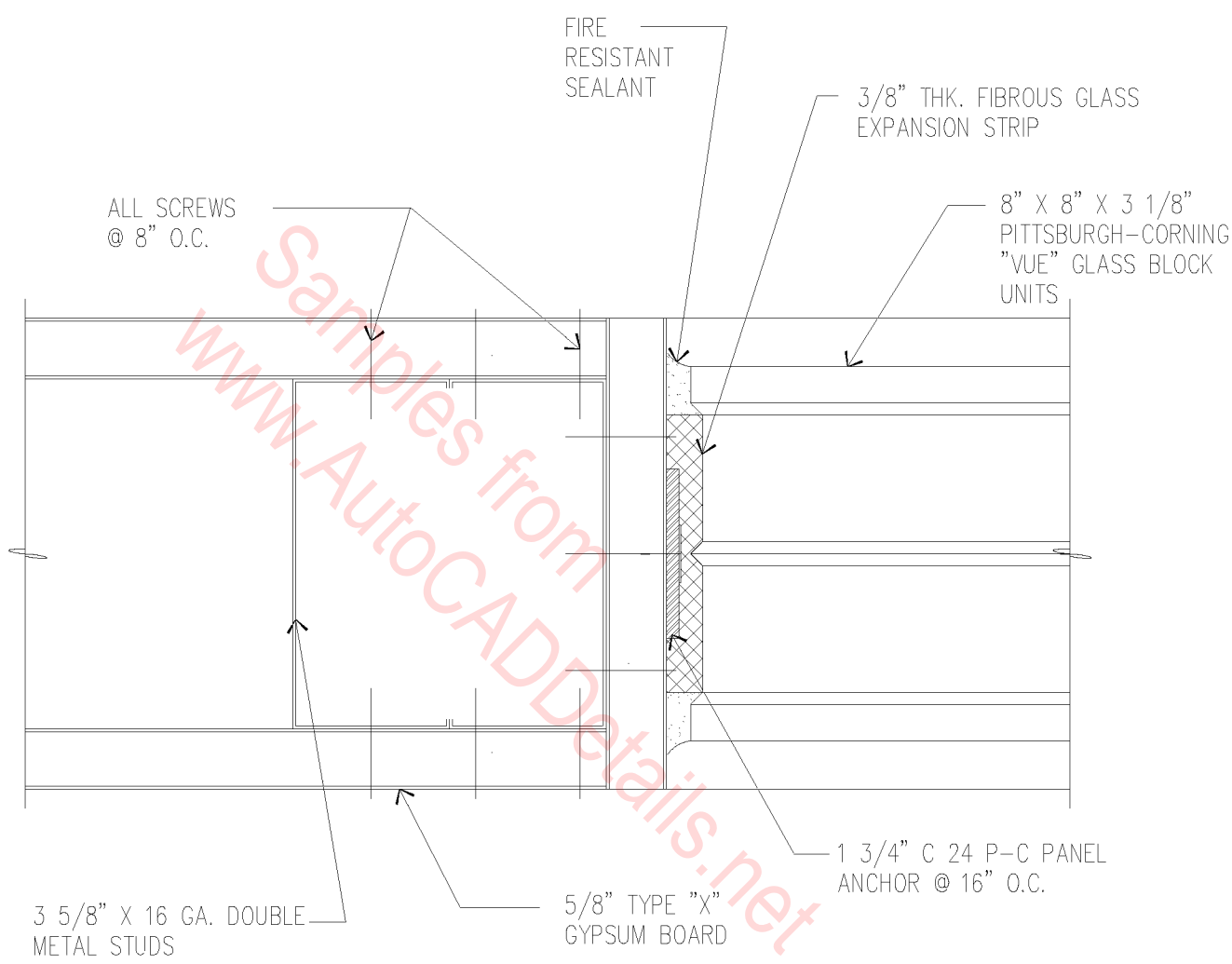
1. MASONRY WALL.
2. SEALANT, 7/8" MIN. DEPTH.
3. BACKER ROD.
4. CERAMIC FIBER BLANKET INSULATION.
5. PLASTER SLIP JOINT.
6. CEMENT PLASTER.
7. 5/8" "X" GYPSUM BOARD.
8. 3-5/8" METAL STUDS. SECURE TO MASONRY.
9. CASING BEAD.
10. DO NOT SECURE FURRED WALLS TOGETHER AT CORNER.
11. PLASTER CORNER BEAD.



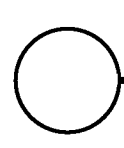
2 & 4 HOUR EXP. JOINT

SCALE: 3" = 1'-0"

04B-6021



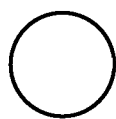
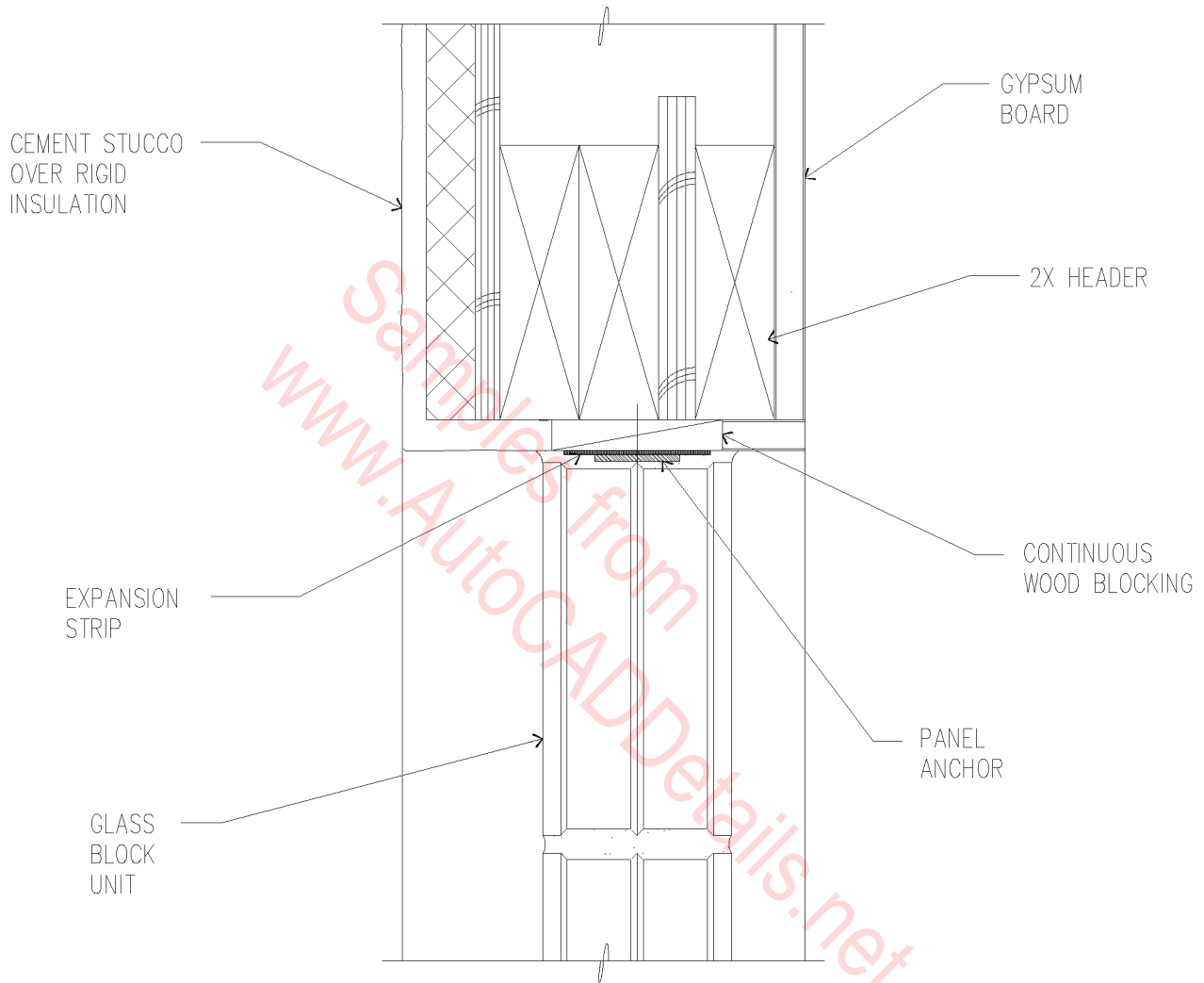
U.L. LABS # R2556, 91NK10106



RATED GLASS BLOCK

6" = 1'-0"

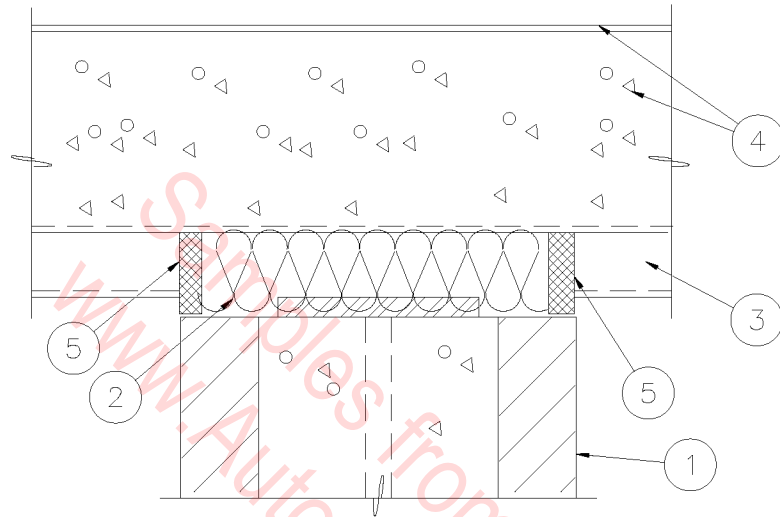
04B-7001



GLASS BLOCK HEAD

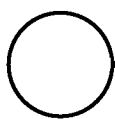
3" = 1'-0"

04B-7002



UL THROUGH-PENETRATION FIRESTOP SYSTEMS DESIGN NO. 327

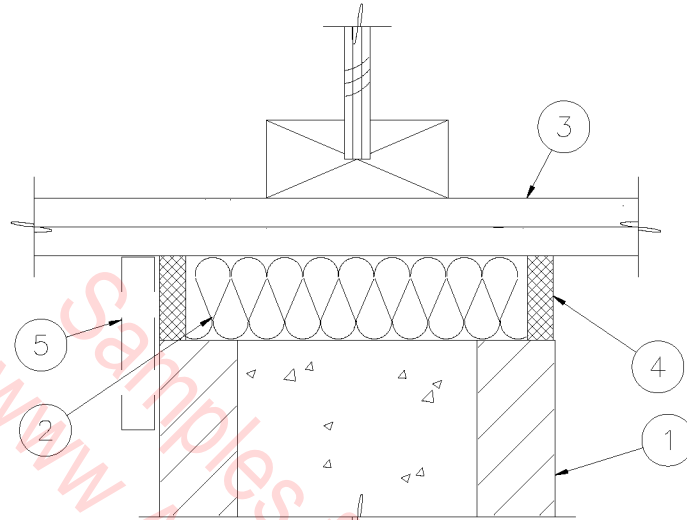
1. RATED C.M.U. WALL.
2. FIRE SAFING INSULATION.
3. METAL DECK.
4. CLASS A ROOFING SYSTEM OVER LIGHT WEIGHT CONCRETE FILL.
5. 1/2" 'TREMCO' FYRE-SIL SEALANT.



RESISTIVE WALL AT ROOF

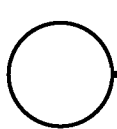
SCALE: 3" = 1'-0"

04D-1001



UL THROUGH-PENETRATION FIRESTOP SYSTEMS DESIGN NO. 327.

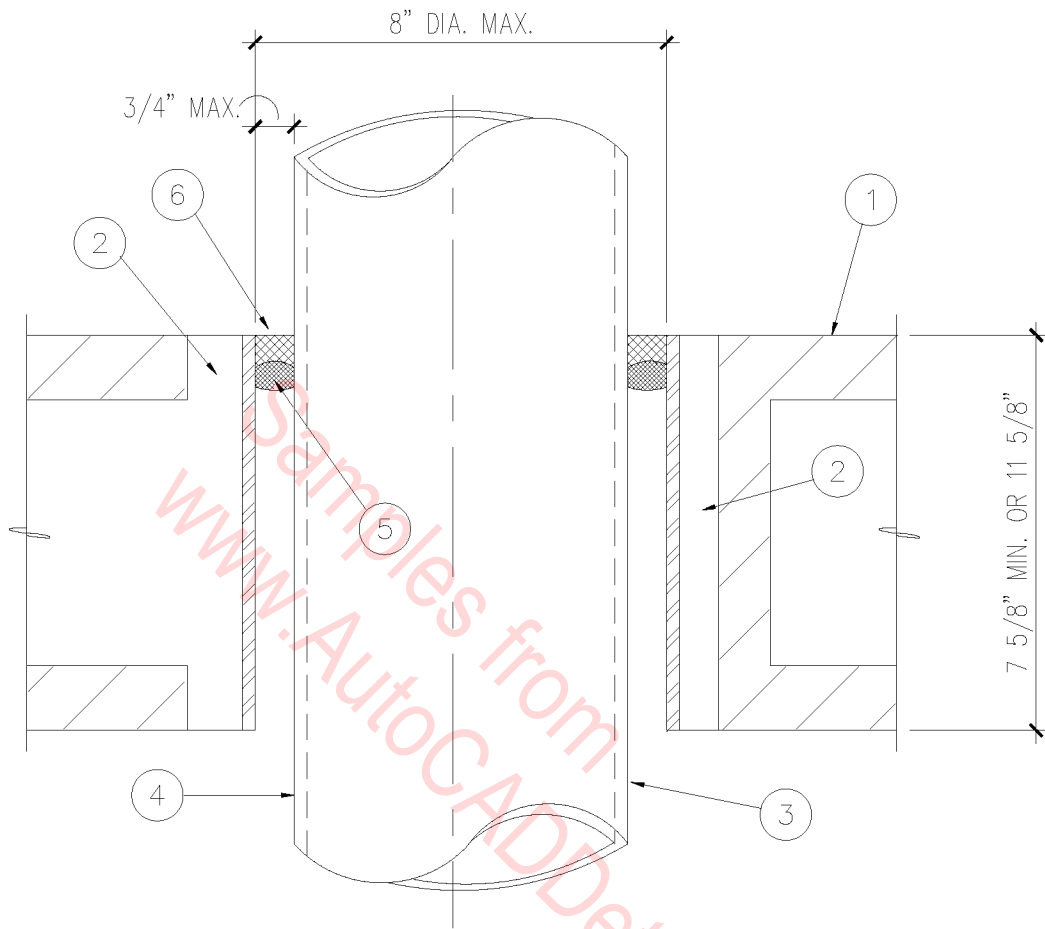
1. FIRE RESISTANT MASONRY WALL UL NO. U905.
2. FIRE SAFING INSULATION.
3. COMPOSITE SHEET ROOFING SYSTEM ON PLYWOOD DECK OR (2) LAYERS 5/8" TYPE 'X' GYPSUM BOARD, ATTACHED TO UNDERSIDE OF STRUCTURAL TRUSSES.
4. 1/2" 'TREMCO' FYRE-SIL SEALANT.
5. 5/8" TYPE 'X' GYPSUM BOARD, CONTINUOUS AT ALL EXPOSED LOCATIONS.



WALL @ ROOF DECK

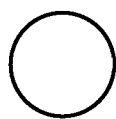
3" = 1'-0"

04D-1002



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

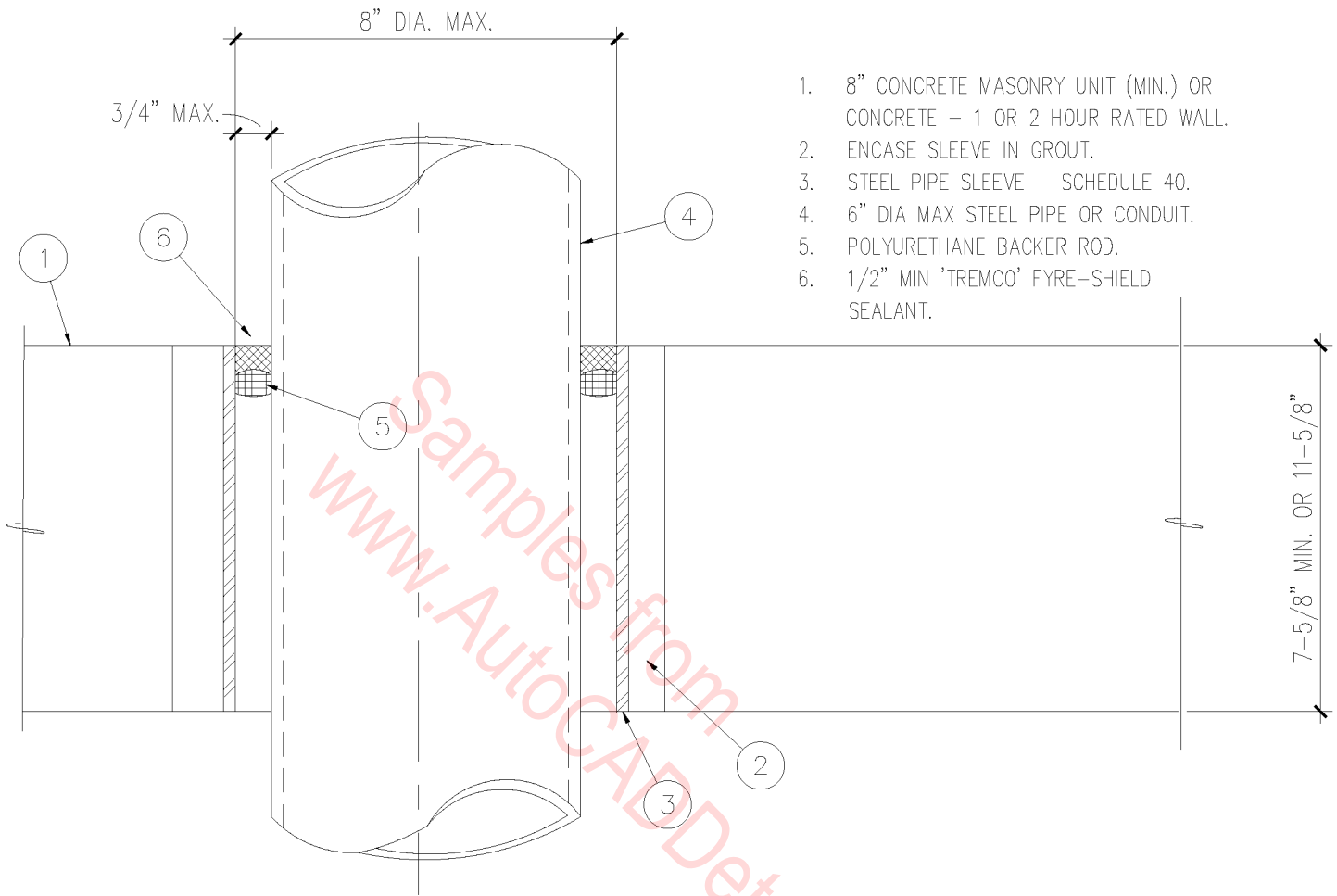
1. 8" CONCRETE MASONRY UNIT FIRE RATED.
2. ENCASE SLEEVE IN GROUT.
3. STEEL PIPE SLEEVE - SCHEDULE 40.
4. 6" DIA MAX STEEL PIPE OR CONDUIT.
5. POLYURETHANE BACKER ROD.
6. 1/2" MIN 'TREMCO' FYRE-SHIELD SEALANT.



2 HR PIPE PENETRATION

SCALE: 3" = 1'-0"

04D-1003



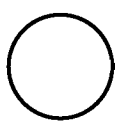
1. 8" CONCRETE MASONRY UNIT (MIN.) OR CONCRETE - 1 OR 2 HOUR RATED WALL.
2. ENCASE SLEEVE IN GROUT.
3. STEEL PIPE SLEEVE - SCHEDULE 40.
4. 6" DIA MAX STEEL PIPE OR CONDUIT.
5. POLYURETHANE BACKER ROD.
6. 1/2" MIN 'TREMCO' FYRE-SHIELD SEALANT.

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

FIRE-RESISTIVE CONSTRUCTION

GENERAL NOTE:

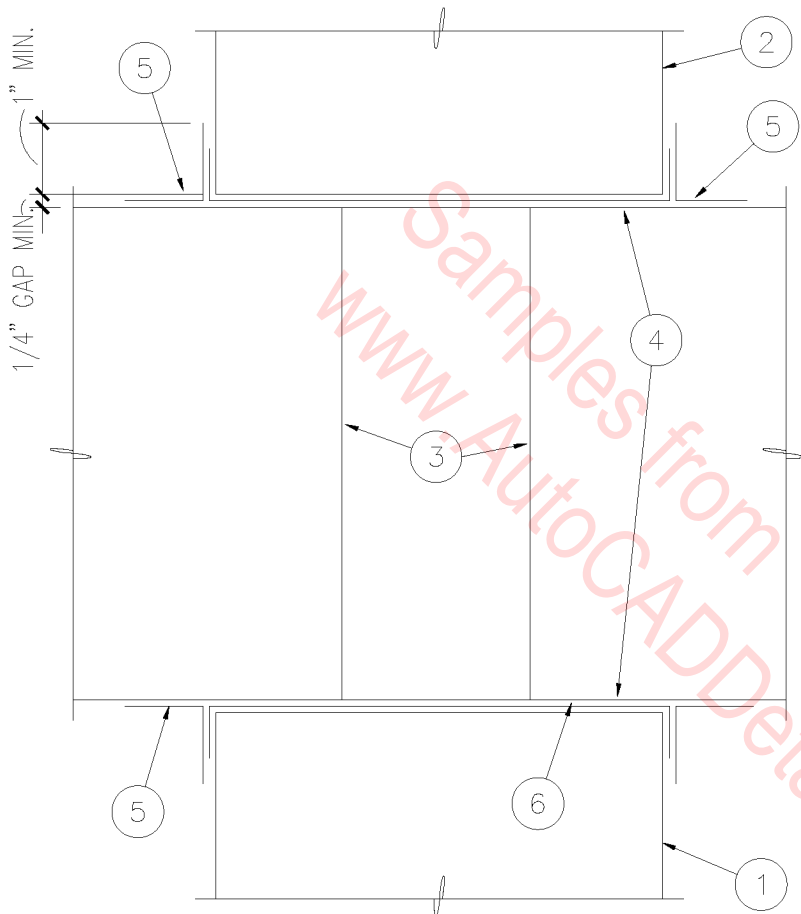
ALL PENETRATIONS OF FIRE-RESISTANT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAILS THAT CONFORM TO UNDERWRITERS LABORATORIES LISTINGS FOR "THROUGH-PENETRATION FIRE STOP SYSTEMS". THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS, FURNISHED BY THE MANUFACTURER OF THE FIRE STOP MATERIAL, 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

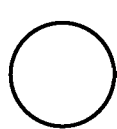
SCALE: 3" = 1'-0"

04D-1004



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.

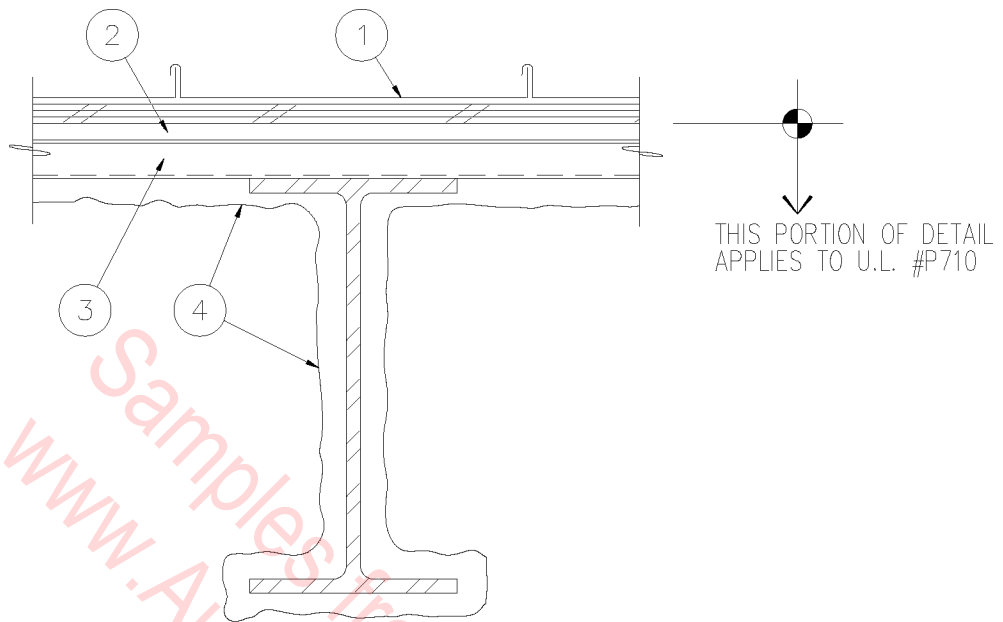
UL SAFETY STANDARD 555 AND NFPA 90A



1 & 2 HR. PENETRATION

3" = 1'-0"

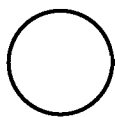
04D-1005



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

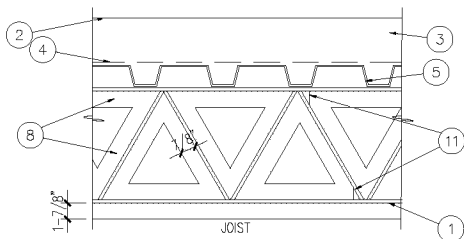
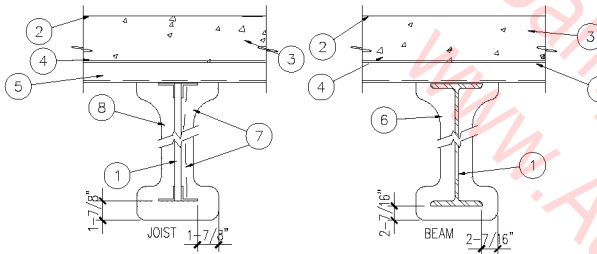
NOTE: DETAIL PROVIDES ONE-HOUR FIRE RESISTIVE RATING FOR BEAM AND DECK PER U.L. #P710.

FIRE RESISTANT BEAM @ DECK



3" = 1'-0"

04D-1006



UL DESIGN NO. P908

1. W6X16 OR W8X18 MIN. SIZE FOR 2 HOUR UNRESTRAINED OR TYPE 12J4 STEEL JOIST FOR 2 HOUR UNRESTRAINED

2. ROOF COVERING - CLASS A

3. INSULATING CONCRETE VERMICULITE CONCRETE, 6 CF OF VERMICULITE AGGREGATE TO 94 LB OF PORTLAND CEMENT AND 0.11LB OF AIR ENTRAINING AGENT MIXED WITH APPROXIMATELY 25 GAL. OF WATER. MINIMUM COMPRESSIVE STRENGTH SHALL BE 125 PSI WHEN TESTED IN ACCORDANCE WITH ASTM C495. THE VERMICULITE CONCRETE SHALL BE POURED TO A DEPTH SUFFICIENT TO PROVIDE A MINIMUM THICKNESS OF 2 1/4" ABOVE THE CRESTS OF THE ROOF DECK UNITS (ITEM 5) AND TO PROVIDE A MINIMUM VOLUME OF 24.5 CF PER 100 SF OF ROOF DECK AREA. ZONOLITE CONSTRUCTION PRODUCTS DIVISION OF W.R. GRACE & CO.

4. REINFORCING MESH NO. 19 GA. GALVANIZED STEEL WIRE TWISTED TO FORM HEXAGONS 2" WIDE IN ADDITION, STRAIGHT 16 GA. GALV. STEEL WIRE WOVEN INTO THE MESH AND SPACED 6" APART FOR STIFFNESS. MESH INSTALL WITHOUT ATTACHMENTS AND OVERLAPPED 6" AT THE SIDES. STIFFENERS INSTALLED PARALLEL WITH CORRUGATIONS. AS AN ALTERNATE, 4 X 8, 12/14 GA. OR 2 X 2, 14/14 GA. OR 2 X 2, 14/14 GA. WELDED WIREWELDED WIRE FABRIC MAY BE USED.

5. STEEL ROOF DECK - 1 1/2" DEEP, 36" WIDE, GALV. FLUTED STEEL DECK. FLUTES 6" O.C., CREST WIDTH 3 1/2" VERCOR MFG. INC. - TYPE HSB-36

6. HANGER WIRE, NO. 6 GA. GALV. STEEL WIRE, SPACED 16" O.C.

7. SPRAY APPLICATION OF CEMENTITIOUS MIXTURE ON STEEL BAR JOISTS AND TRUSSES. THE DIAMOND MESH 3/8" EXPANDED STEEL LATH 1.7 TO 3.4 LB/SQ YD IS SECURED TO ONE SIDE OF EACH STEEL JOIST WITH NO.18 GA. GALV STEEL WIRE AT JOIST WEB AND BOTTOM CHORD MEMBERS SPACED 15" O.C. MAX. WHEN USED THE METAL LATH IS TO BE FULLY COVERED WITH CEMENTITIOUS MIXTURE WITH NO MIN THICKNESS REQUIREMENTS

7A. NON-METALLIC FABRIC MESH - OPTIONAL - AS AN ALTERNATE TO METAL LATH, GLASS FIBER FABRIC MESH, WEIGHING APPROX. 2.5 OZ/SQ YD. POLYPROPYLENE FABRIC MESH WEIGHING APPROX. 1.25 OZ/SQ YD OR EQUIVALENT MAY BE USED TO FACILITATE THE SPRAY APPLICATION. THE MESH IS SECURED

TO ONE SIDE OF EACH JOIST WEB MEMBER. THE METHOD OF ATTACHING THE MESH MUST BE SUFFICIENT TO HOLD THE MESH AND THE SPRAY-APPLIED CEMENTITIOUS MIXTURE MATERIAL IN PLACE DURING APPLICATION UNTIL IT HAS CURED. AN ACCEPTABLE METHOD TO ATTACH THE MESH IS BY EMBEDDING THE MESH IN MIN 1/4" LONG BEADS OF HOT-MELTED GLUE. THE BEADS OF GLUE SHALL BE PLACED A MAX OF 12" O.C. ALONG THE TOP CHORD OF THE BAR JOIST. ANOTHER METHOD TO SECURE THE MESH IS BY 1 1/4" LONG BY 1/2" WIDE HAIRPIN CLIPS FORMED FROM NO. 18 GA. OR HEAVIER STEEL WIRE

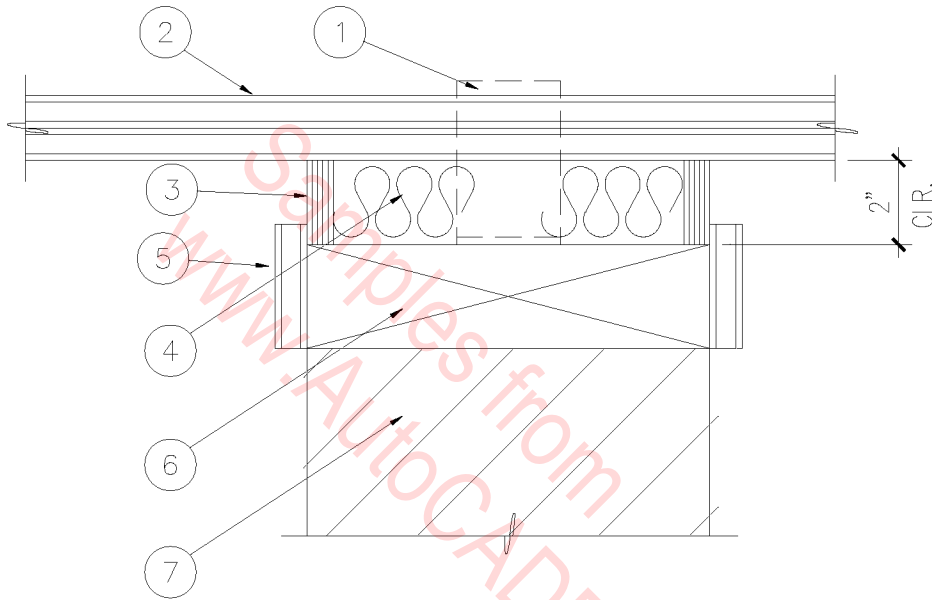
8. CEMENTITIOUS MIXTURE - SPRAY APPLIED TO BEAM OR JOIST IN MORE THAN ONE COAT TO A FINAL THICKNESS OF 1-3/8". MINIMUM BEAM SIZE W6X16 MINIMUM JOIST SIZE 12J4. CREST AREAS OF STEEL ROOF UNITS SHALL BE FILLED WITH CEMENTITIOUS MIXTURE ABOVE THE BEAM OR JOIST. BEAM OR JOIST SURFACES MUST BE CLEAN AND FREE OF DIRT, LOOSE SCALE AND OIL. MINIMUM AVERAGE DENSITY OF 15/14 PCF RESPECTIVELY. FOR METHOD OF DENSITY DETERMINATION, REFER TO DESIGN INFORMATION SECTION. ZONOLITE CONSTRUCTION PRODUCTS DIVISION, W. R. GRACE & CO. TYPE MK-6/CBF FOR TYPE 12J4 STEEL JOISTS, THE JOIST PROTECTION SHALL CONSIST OF THE ABOVE CEMENTITIOUS MIXTURES APPLIED IN A MANNER AND AT THE THICKNESSES SHOWN BELOW. WHEN METAL LATH (ITEM 7) IS USED, LATH SECURED TO ONE SIDE OF JOIST WITH 18 GA. GALVANIZED STEEL WIRE AT JOIST WEB AND BOTTOM CHORD MEMBERS SPACED 15" O.C.

THICKNESS OF CEMENTITIOUS MIXTURE, INCHES	TYPE OF APPLICATION	UNRESTRAINED ASSEMBLY RATING, HOUR
1-7/8	APPLIED TO LATH WRAPPED ON ONE SIDE OF JOIST	2 HOUR
2-7/16	APPLIED DIRECTLY TO JOIST IN A CONTOUR MANNER	2 HOUR

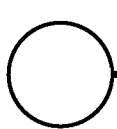
11. STEEL BRIDGING - IN ACCORDANCE WITH AISC CURRENT SPECIFICATIONS. CONTINUOUS STEEL ANGLE, MIN. SIZE 1-1/4 BY 1-1/4 BY 1/8" WELDED TO TOP AND BOTTOM CHORDS. BRIDGING COATED WITH 3" THICKNESS OF CEMENTITIOUS MIXTURE FOR THE 2 ASSEMBLY AND BEAM RATINGS.

2 HOUR ROOF
3" = 1'-0"

04D-1007



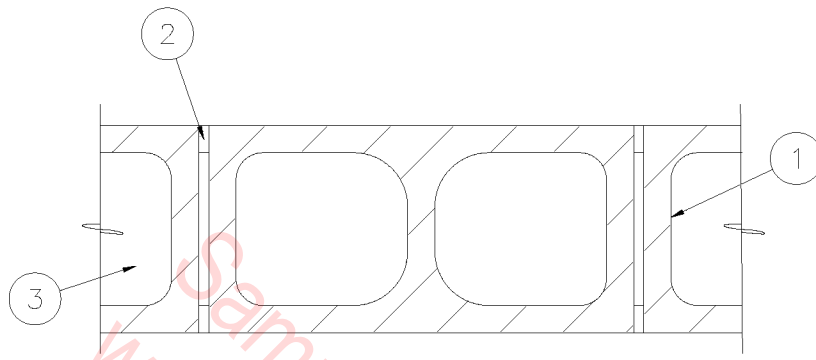
1. METAL STRAP FROM PLATE TO WOOD JOIST.
2. 2 LAYERS 5/8" TYPE 'X' GYP. BD. ON BOTTOM OF WOOD JOIST.
3. 1/2" MIN. DEPTH OF 3M FIRE BARRIER CP 25N/S (UL DES. NO. J900C) OR TREMCO FIRE-SIL SEALANT (UL DES. NO. 327).
4. MINERAL WOOD FIRE-SAFING.
5. 5/8" TYPE 'X' GYP. BD. STRIP.
ON EACH SIDE OF WOOD PLATE.
6. WOOD PLATE.
7. MASONRY WALL.



C.M.U. WALL @ JOIST

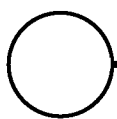
3" = 1'-0"

04D-1008



UBC TABLE 43-B ITEM 5-1.1.

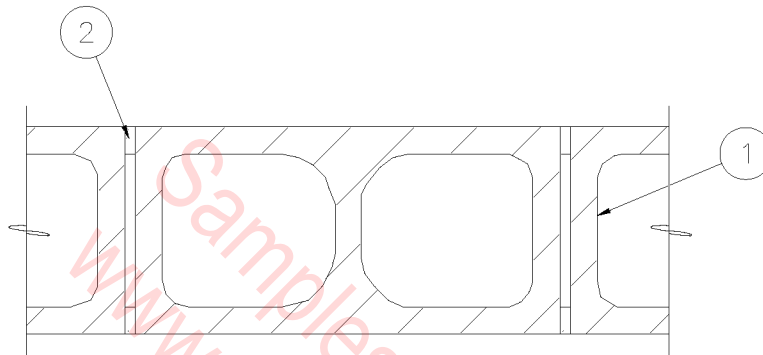
1. 8" NOMINAL CONCRETE MASONRY UNIT (CMU) WALL GROUTED SOLID.
2. MORTAR - BLOCKS LAID IN FULL BED OF MORTAR, NOMINAL 3/8" THICK, OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.
3. SOLID GROUT OR LOOSE FILL INSULATION.



4 HOUR MASONRY WALL

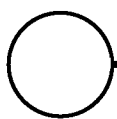
SCALE: 1 1/2" = 1'-0"

04D-1009



UL DESIGN NO. U901

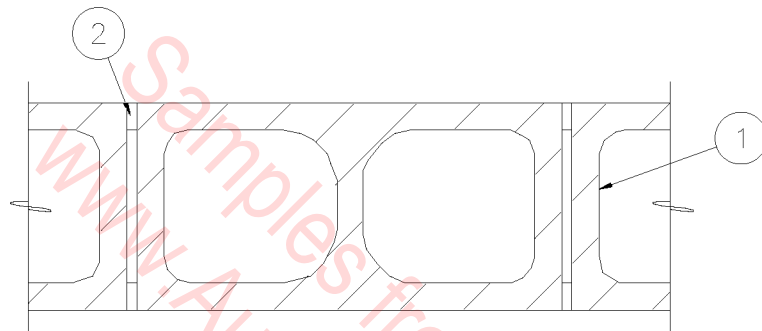
1. 8" NOMINAL CONCRETE MASONRY UNIT (CMU) WALL GROUTED SOLID.
2. MORTAR - BLOCKS LAID IN FULL BED ON MORTAR, NOMINAL 3/8" THICK, OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.



4 HOUR CMU WALL

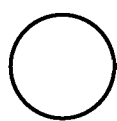
SCALE: 1 1/2" = 1'-0"

04D-1010



UL DESIGN NO. U905

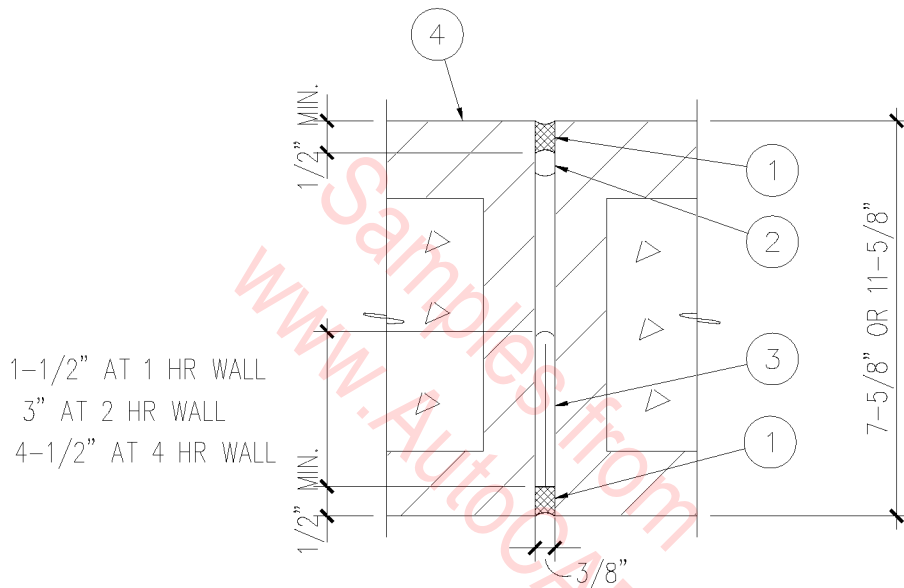
1. 8" NOMINAL CONCRETE MASONRY UNIT (CMU) WALL.
2. MORTAR - BLOCKS LAID IN FULL BED ON MORTAR, NOMINAL 3/8" THICK, OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.



2 HOUR C.M.U. WALL

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

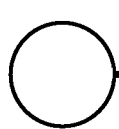
04D-1011



1-1/2" AT 1 HR WALL
 3" AT 2 HR WALL
 4-1/2" AT 4 HR WALL

ICBO EVALUATION REPORT NO. 3196

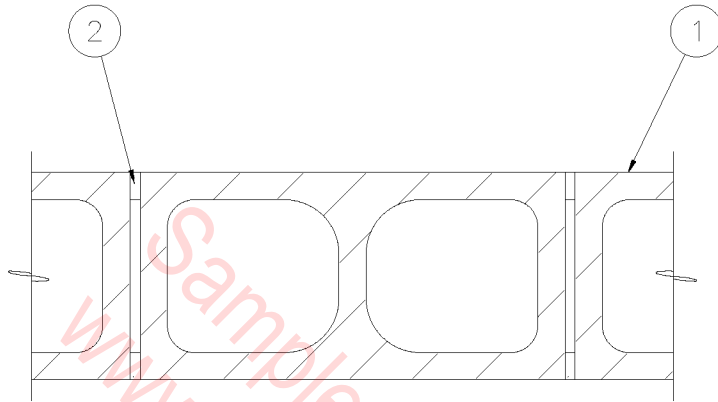
1. FIRE STOPPING SEALANT, 'TREMCO' DYMETRIC, POLYTREMDYNE TERPOLYMER.
2. JOINT FILLER - POLYETHYLENE CLOSED-CELL FOAM, BY 'DOW CHEMICAL'.
3. 'CERABLANKET-FS' - CERAMIC FIBER BLANKET INSULATION, BY 'JOHNS-MANVILLE'.
4. RATED MASONRY WALL.



1, 2 AND 4 HOUR JOINT

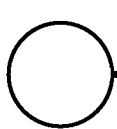
SCALE: 3" = 1'-0"

04D-1012



UBC TABLE 43-B ITEM 5-1.1.

1. 8" NOMINAL CONCRETE MASONRY UNIT (CMU) WALL.
2. MORTAR - BLOCKS LAID IN FULL BED OF MORTAR, NOMINAL 3/8" THICK, OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.

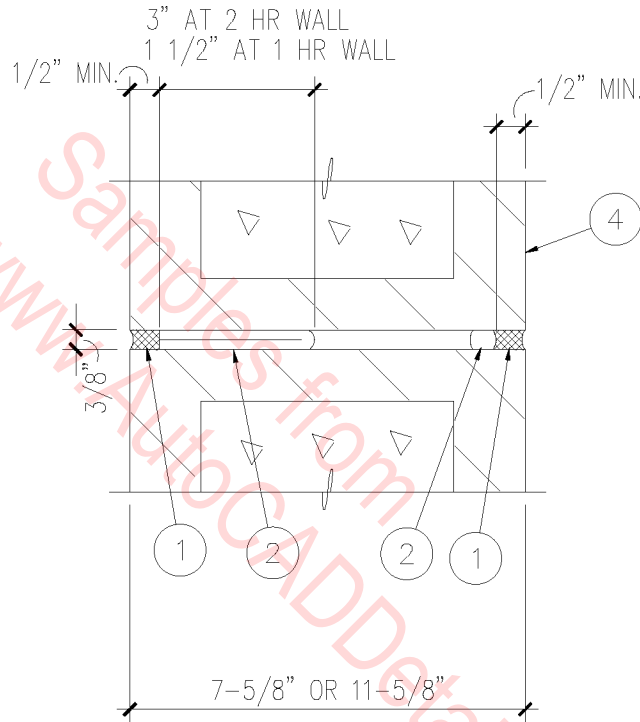


1 OR 2 HOUR CMU WALL

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

04D-1013

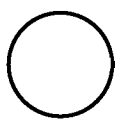
1. FIRE STOPPING SEALANT, 'TREMCO' DYMETRIC, POLYTREMDYNE TERPOLYMER.
2. JOINT FILLER - POLYETHYLENE CLOSED-CELL FOAM, BY 'DOW CHEMICAL'.
3. 'CERABLANKET-FS' - CERAMIC FIBER BLANKET INSULATION, BY 'JOHNS-MANVILLE'.
4. CMU WITH LIGHTWEIGHT COURSE AGGREGATE, 2 HOUR FIRE RESISTANCE.



GENERAL NOTE

ICBO EVALUATION REPORT NO. 3196

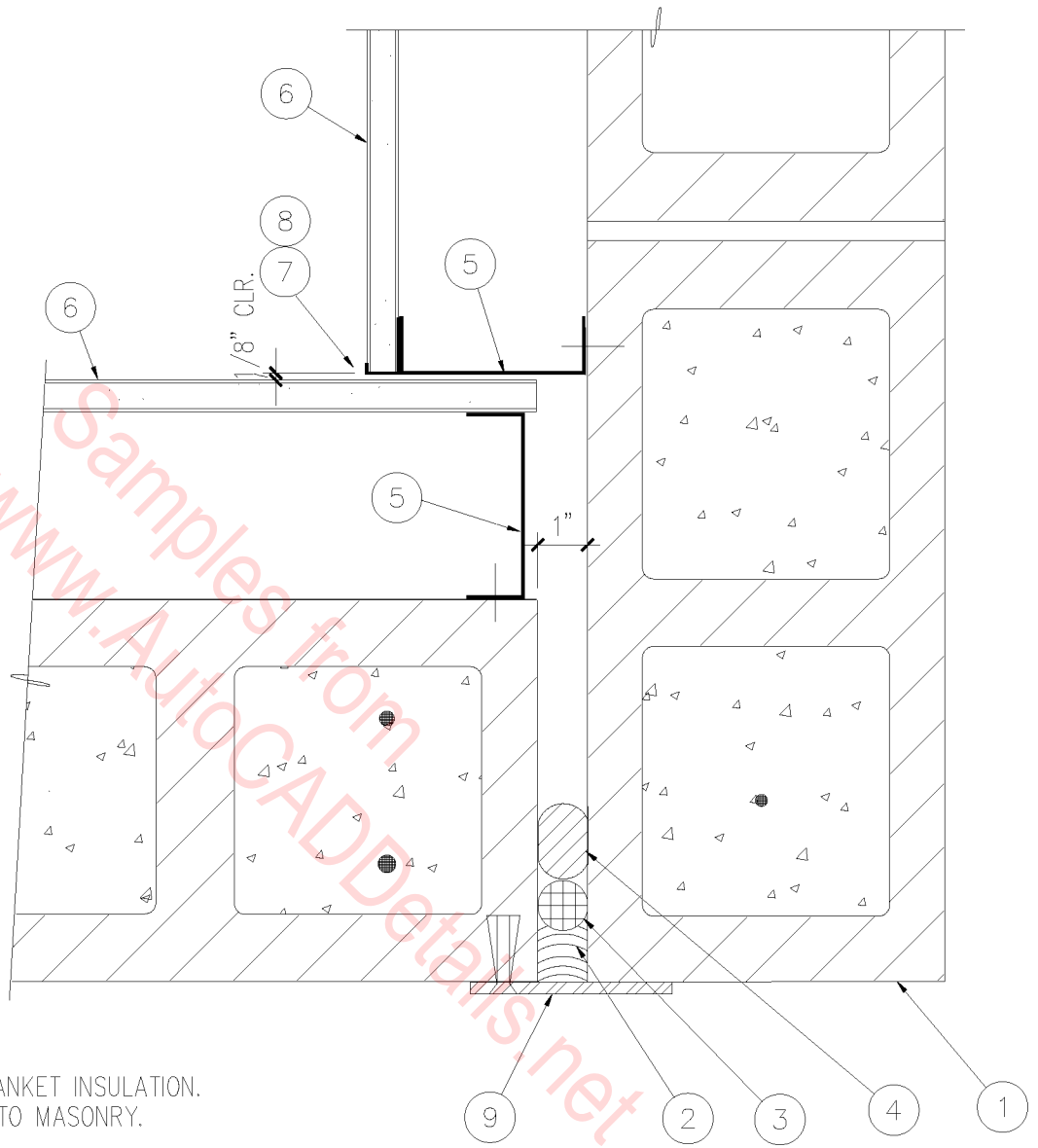
ALL PENETRATIONS OF FIRE-RESISTANT FLOORS OR WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAILS THAT CONFORM TO UNDERWRITERS LABORATORIES LISTINGS FOR "THROUGH-PENETRATION FIRE STOP SYSTEMS". THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS, FURNISHED BY THE MANUFACTURER OF THE FIRE STOP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



1-1/2 AND 3 HOUR CMU

SCALE: 3" = 1'-0"

04D-1014

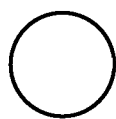
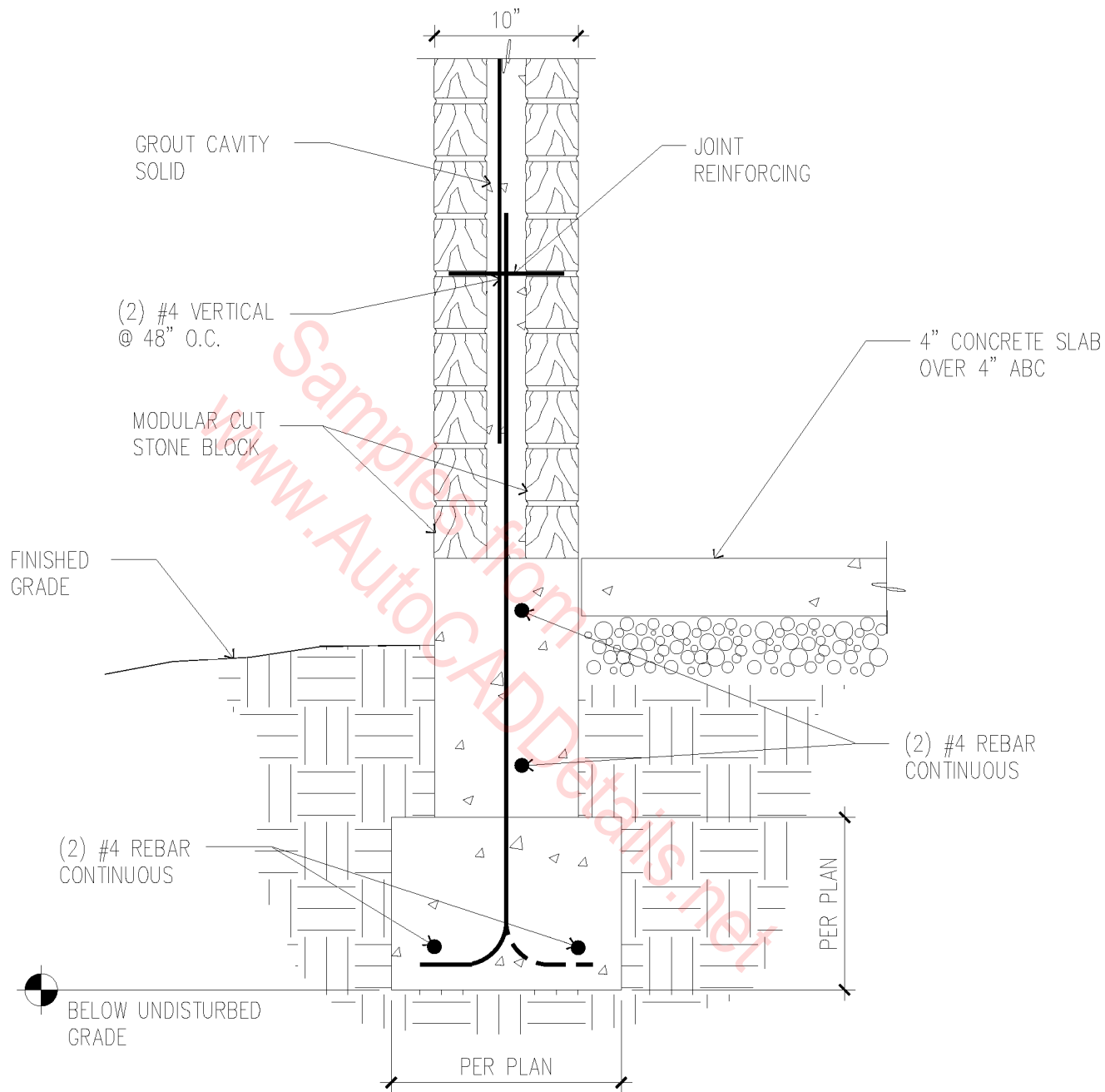


1. MASONRY WALL.
2. SEALANT, 7/8" MIN. DEPTH.
3. BACKER ROD.
4. 1-1/2" MIN. CERAMIC FIBER BLANKET INSULATION.
5. 3-5/8" METAL STUDS SECURE TO MASONRY.
6. 5/8" GYPSUM BOARD.
7. CASING BEAD.
8. DO NOT SECURE FURRED WALLS TOGETHER AT CORNER.
9. 4" WIDE X 1/4" THICK STEEL PLATE CLOSURE. SECURED AT ONE SIDE ONLY WITH 1/4" FLAT HEAD EXPANSION SCREWS IN COUNTERSUNK HOLES AT 24" O.C. PLATE CONTINUOUS FROM TOP OF BASE TO CEILING.

1 HOUR EXPANSION JOINT

SCALE: 3" = 1'-0"

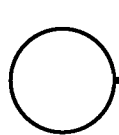
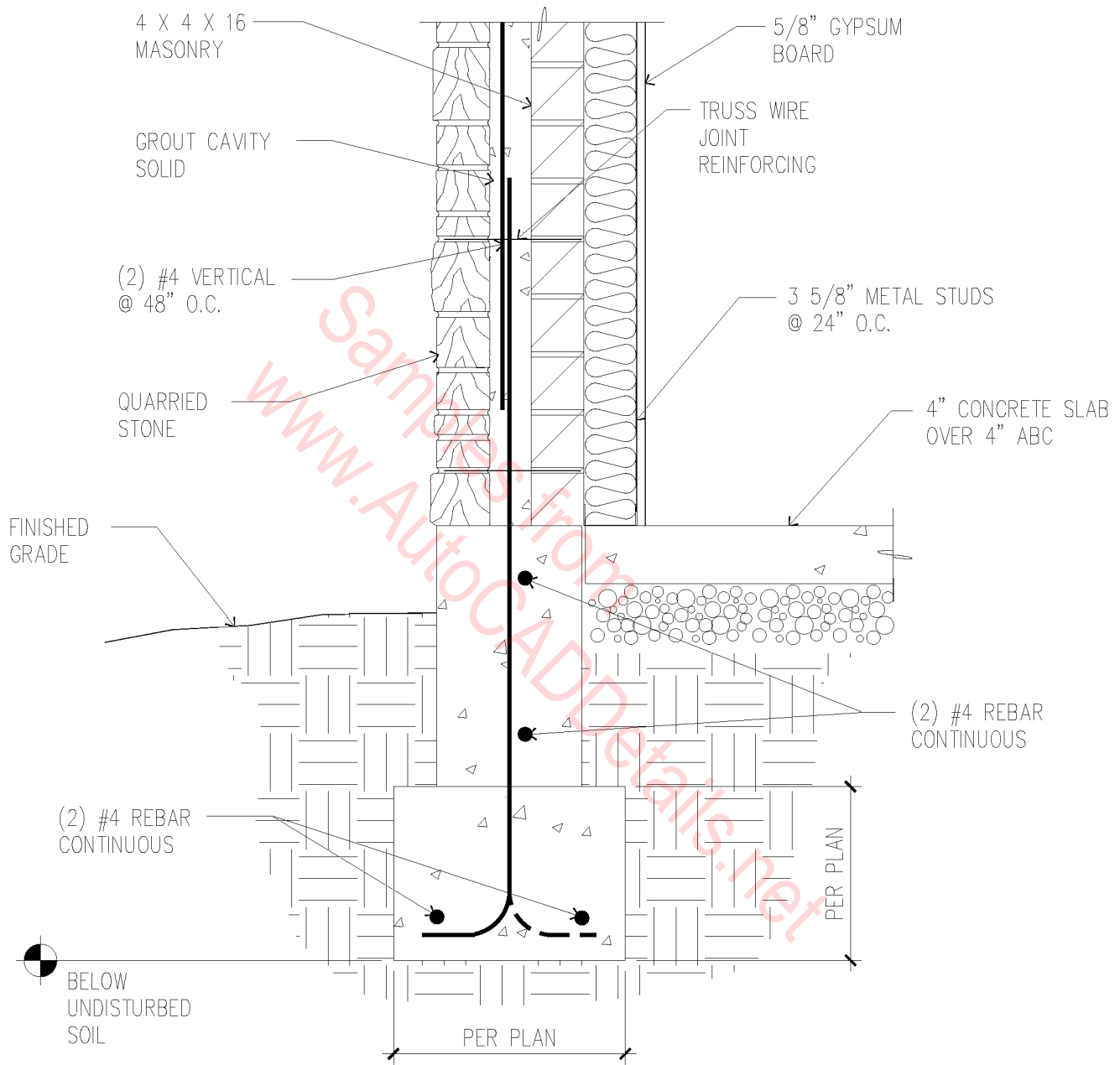
04D-1015



STONE WALL

1" = 1'-0"

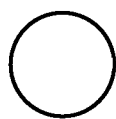
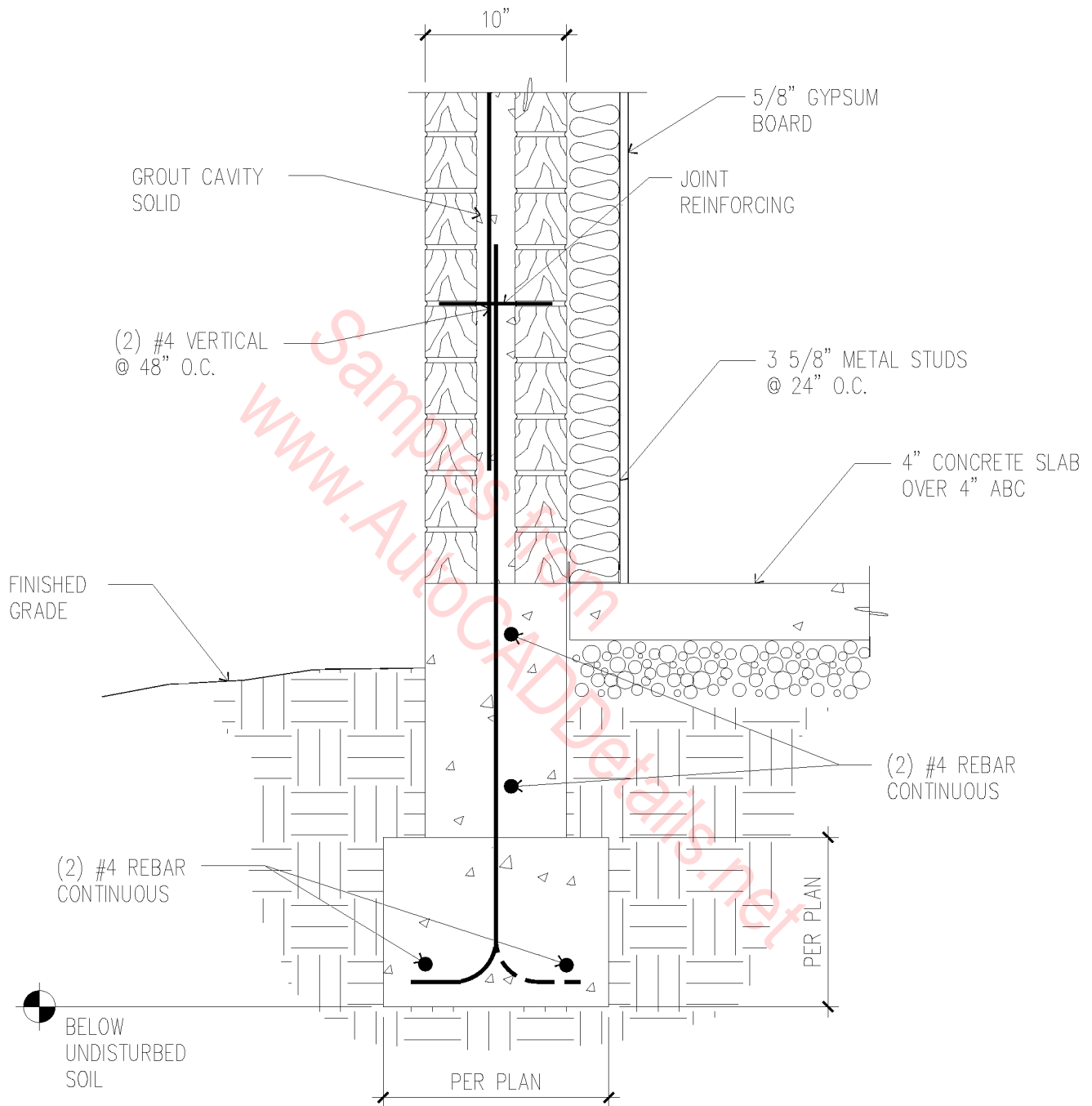
04C-1001



STONE / MASONRY WALL

1" = 1'-0"

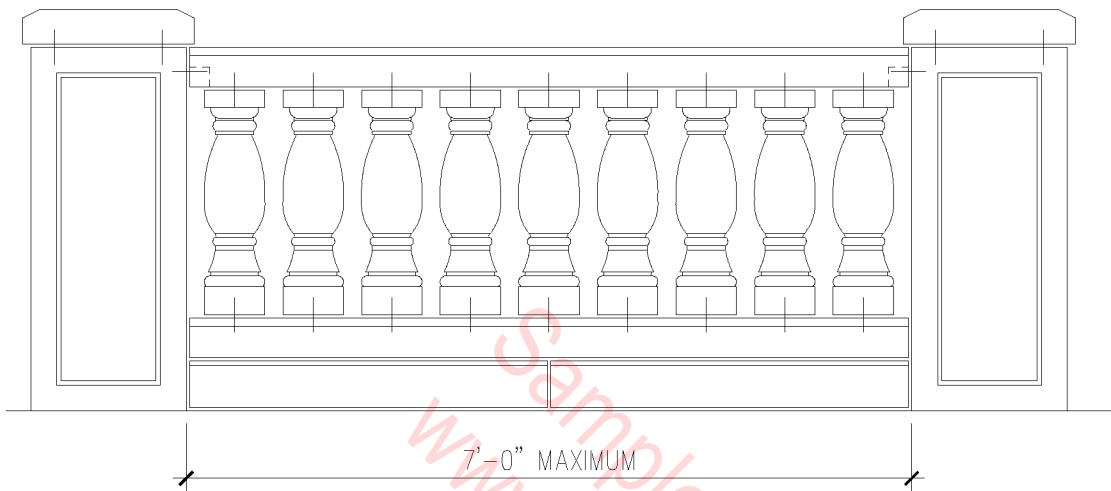
04C-1002



LIMESTONE WALL

1" = 1'-0"

04C-1003

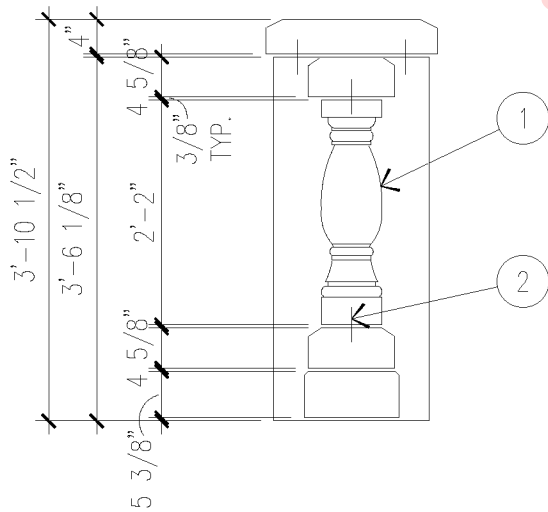


7'-0" MAXIMUM

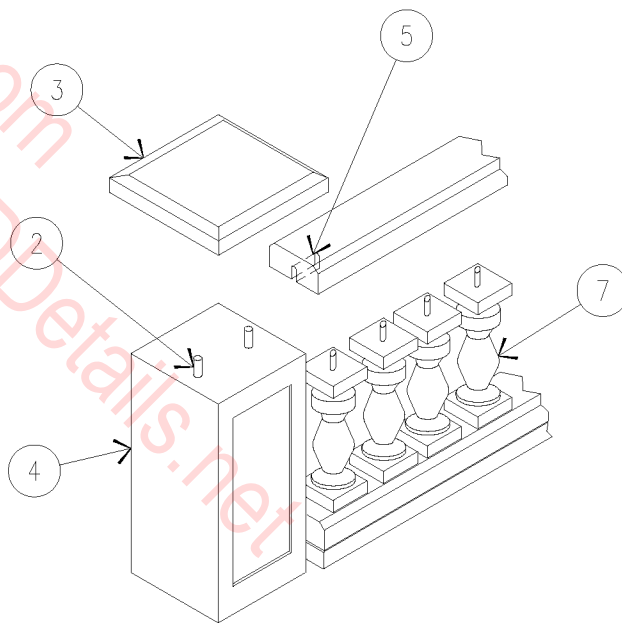
ELEVATION

1. BALUSTER – 7" ϕ MAXIMUM WITH 7" ϕ TOP AND BOTTOM.
2. 3/8" ϕ X 4" STAINLESS STEEL DOWELS (2 PER BALUSTER), FIELD DRILL.
3. CAST STONE CAP.
4. CAST STONE PIER.
5. KEY SLOT.

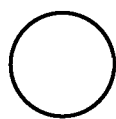
NOTE: PIER ANCHORAGE (NOT SHOWN) PROVIDES STRUCTURAL RESTRAINT FOR FULL BALUSTRADE.



SECTION



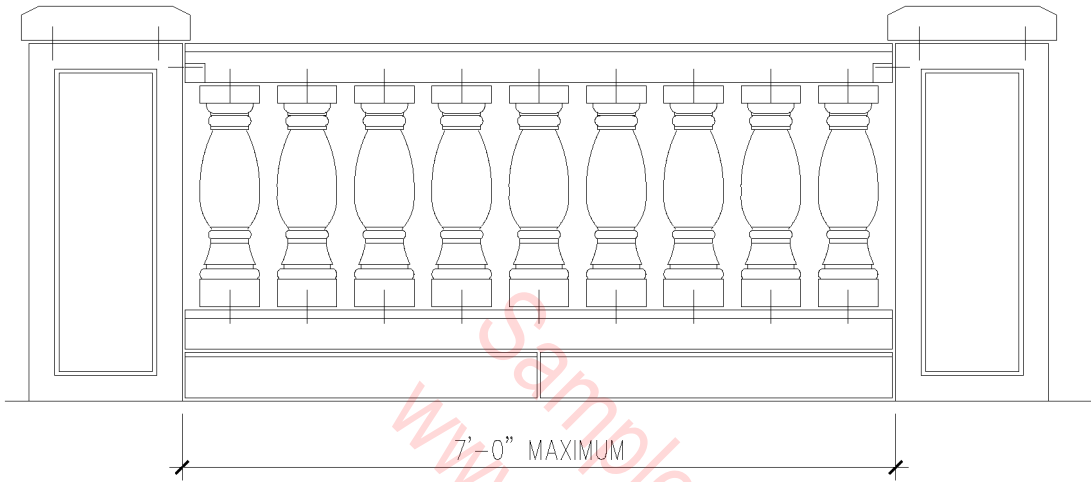
TOP RAIL DOWEL PLACEMENT (NOT TO SCALE)



STONE RAILING

1/2" = 1'-0"

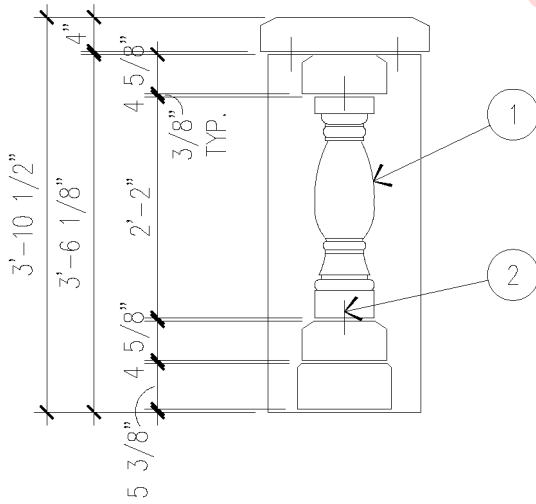
04C-1004



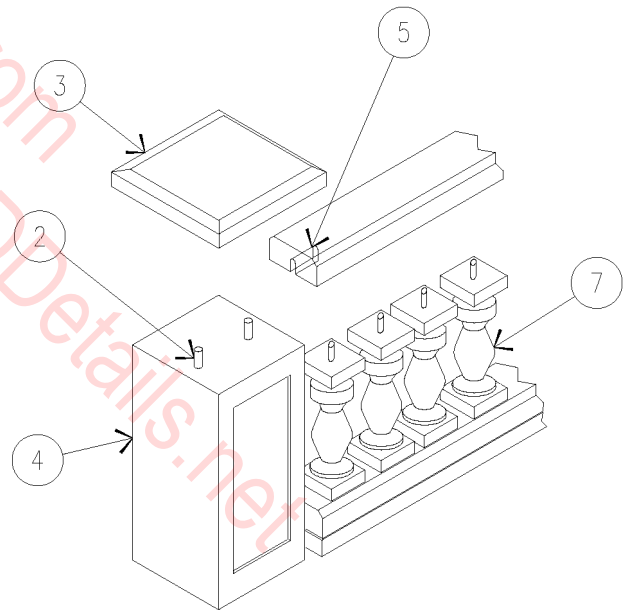
ELEVATION

1. BALUSTER - 7" ϕ MAXIMUM WITH 7" ϕ TOP AND BOTTOM.
2. 3/8" ϕ X 4" STAINLESS STEEL DOWELS (2 PER BALUSTER), FIELD DRILL.
3. CAST STONE CAP.
4. CAST STONE PIER.
5. KEY SLOT.

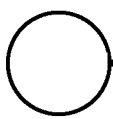
NOTE: PIER ANCHORAGE (NOT SHOWN) PROVIDES STRUCTURAL RESTRAINT FOR FULL BALUSTRADE.



SECTION



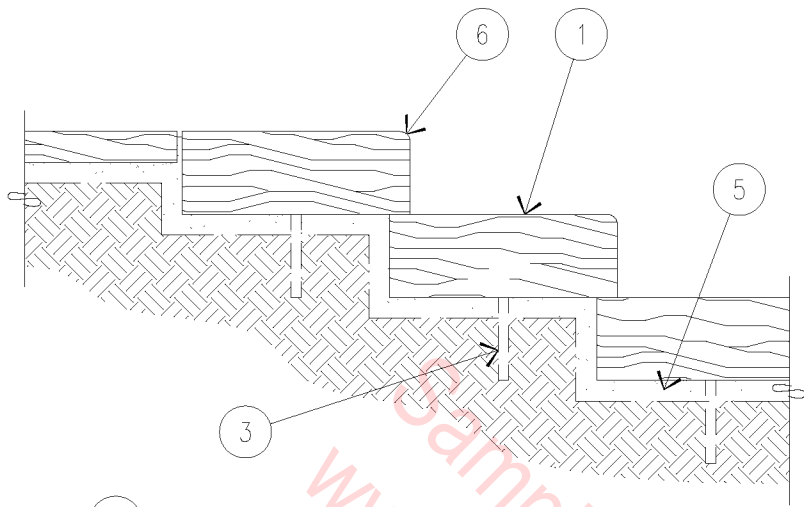
TOP RAIL DOWEL PLACEMENT (NOT TO SCALE)



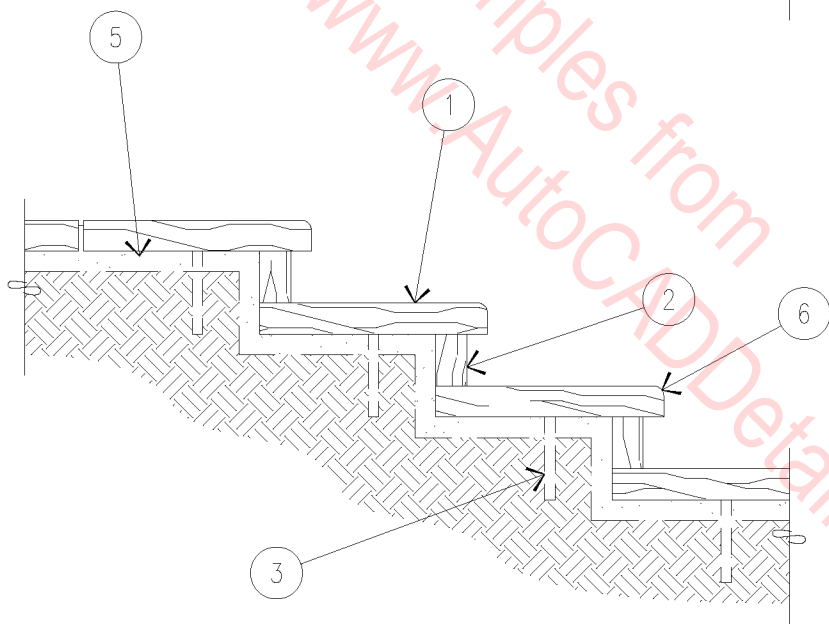
STONE RAILING

1/2" = 1'-0"

04C-1004

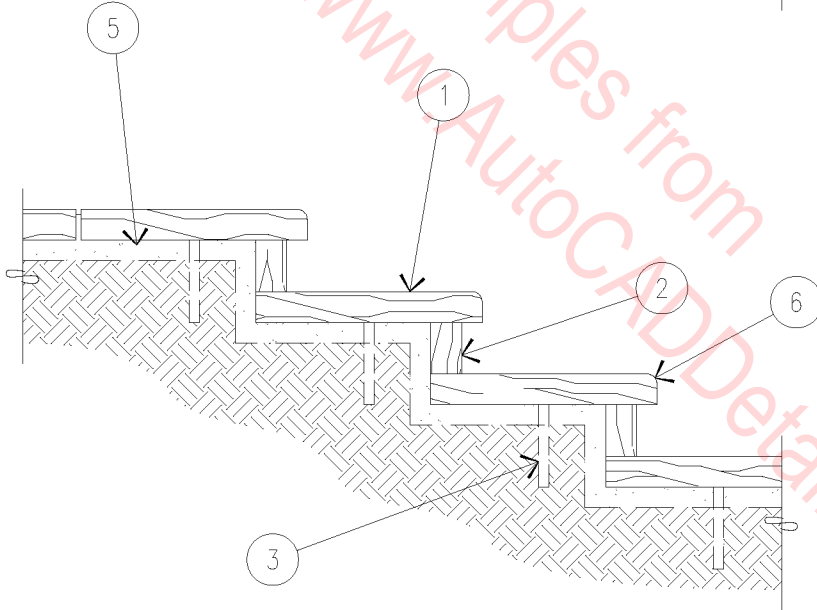
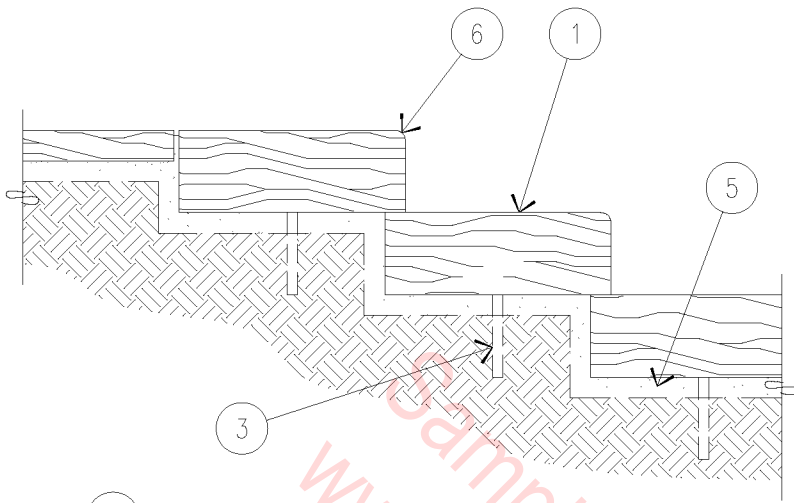


1. STONE TREAD.
2. STONE RISER.
3. RETAINING PIN.
4. FINE STONE SAND.
5. SOIL.
6. BULLNOSE.

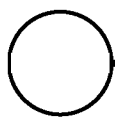


○ EXTERIOR STONE STEPS
N.T.S.

04C-1005



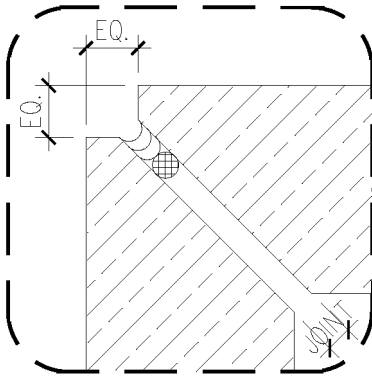
1. STONE TREAD.
2. STONE RISER.
3. RETAINING PIN.
4. FINE STONE SAND.
5. SOIL.
6. BULLNOSE.



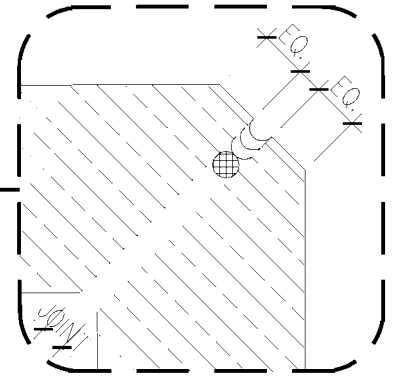
EXTERIOR STONE STEPS

N.T.S.

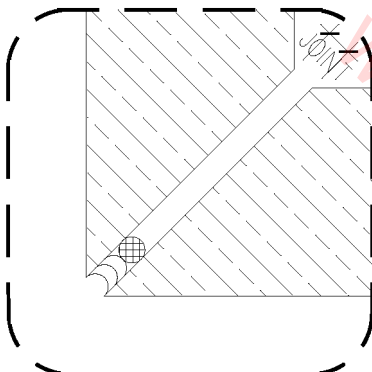
04C-1005



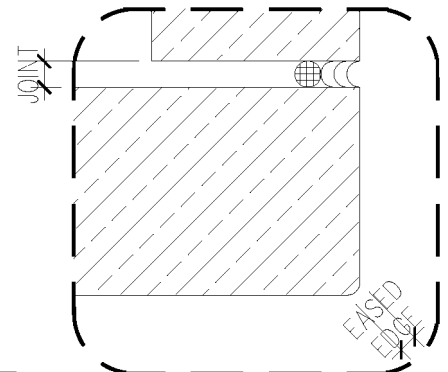
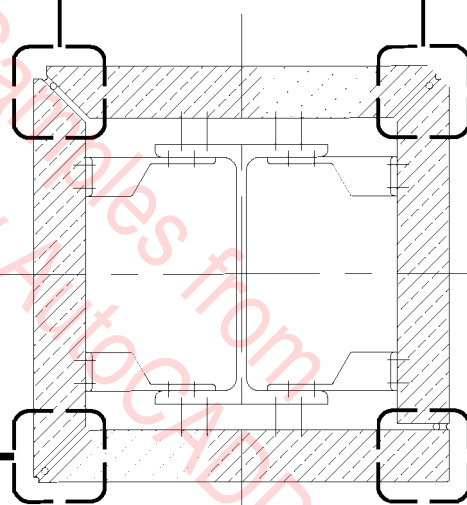
QUIRK MITER CORNER



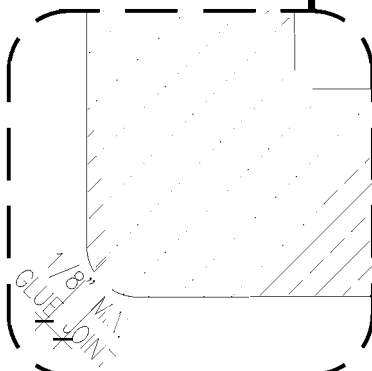
MASON MITER CORNER



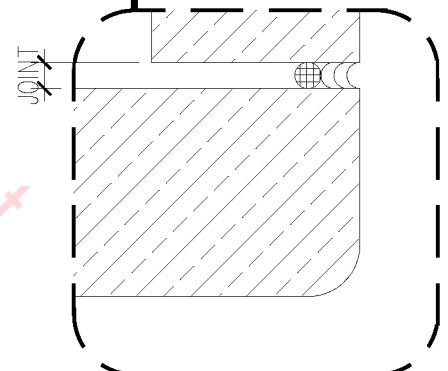
MITER CORNER



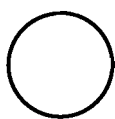
BUTT CORNER



MITER ROUNDED CORNER



BUTT ROUNDED CORNER

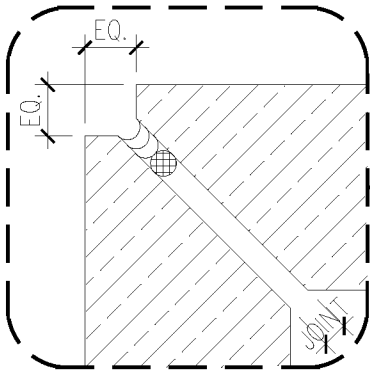


STONE VENEER CORNERS

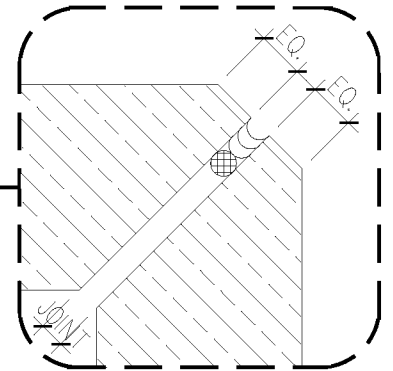
N.T.S.

04C-1006

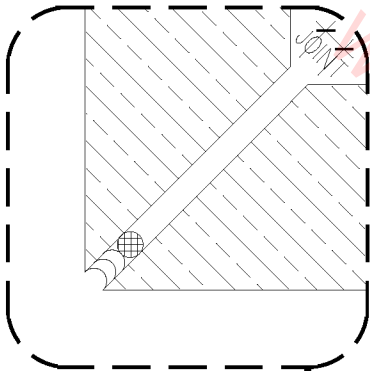
www.AutocADDetails.net



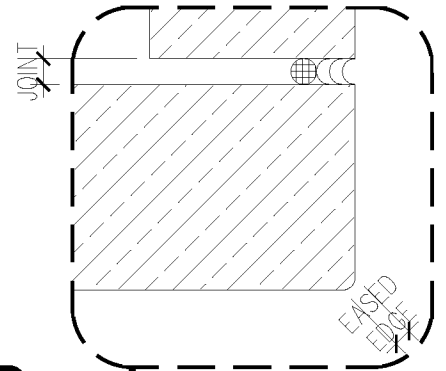
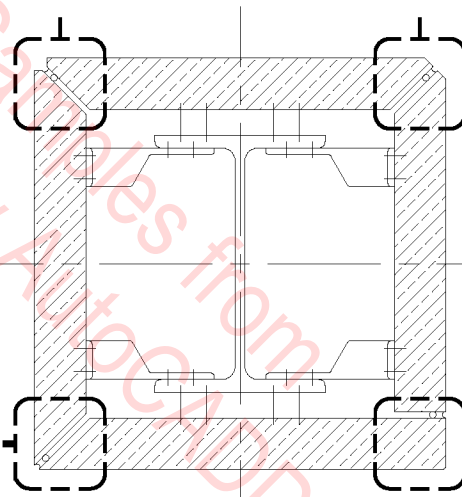
QUIRK MITER CORNER



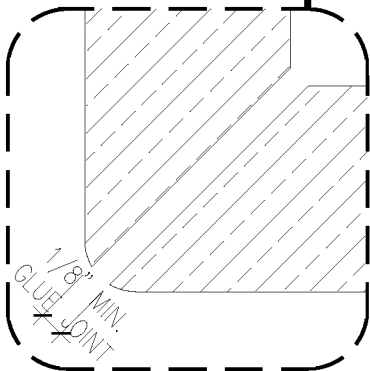
MASON MITER CORNER



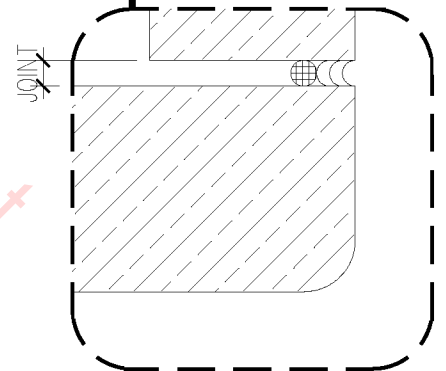
MITER CORNER



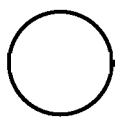
BUTT CORNER



MITER ROUNDED CORNER



BUTT ROUNDED CORNER

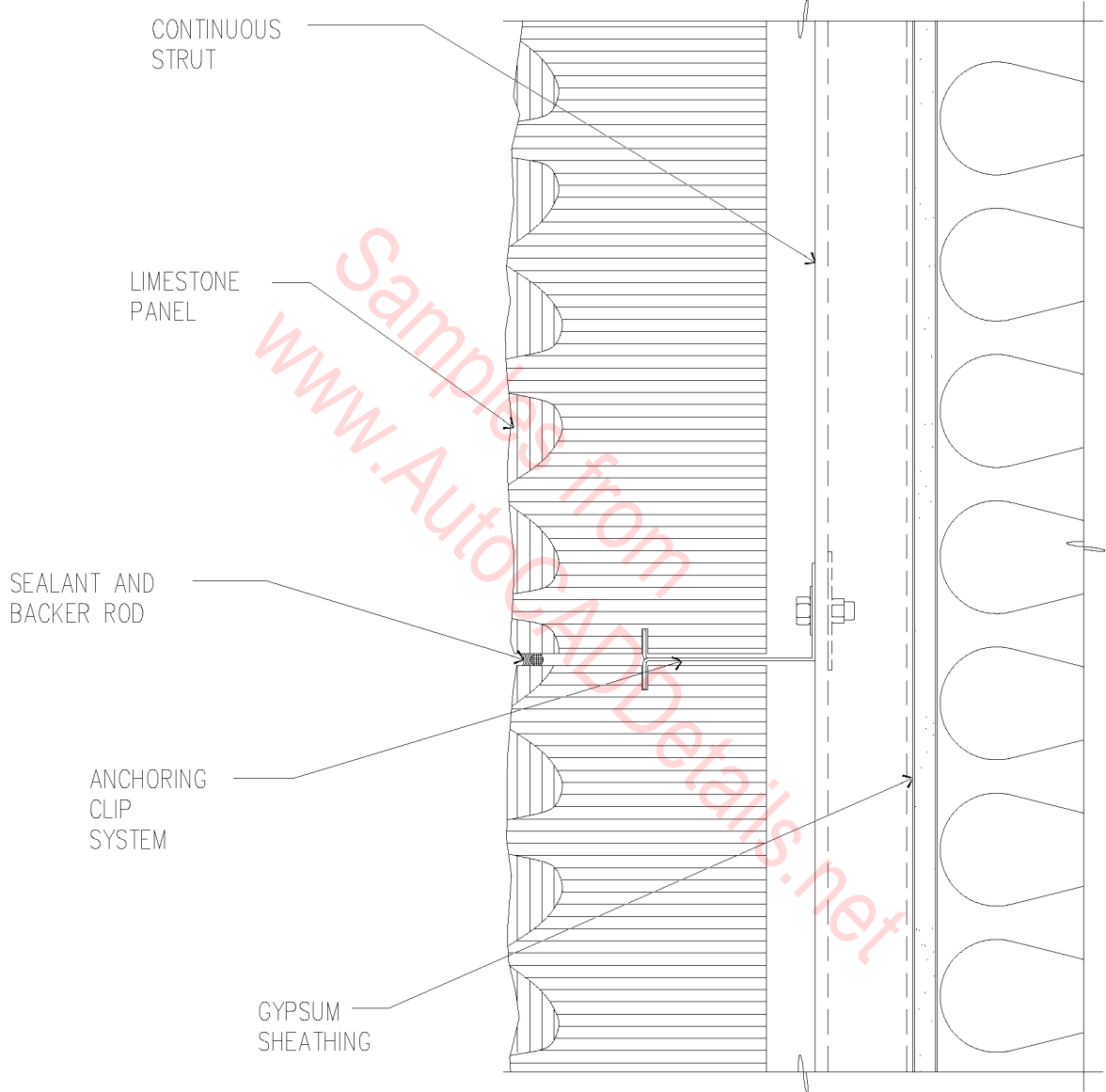


STONE VENEER CORNERS

N.T.S.

04C-1006

www.AutocadDetails.net



CONTINUOUS STRUT

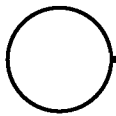
LIMESTONE PANEL

SEALANT AND BACKER ROD

ANCHORING CLIP SYSTEM

GYPSUM SHEATHING

Samples from
www.AutoCADDetails.net



LIMESTONE VENEER

3" = 1'-0"

04C-2001

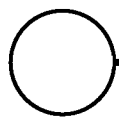
LIMESTONE
PANEL

30°

PRECAST
ANCHOR

CONCRETE
WALL

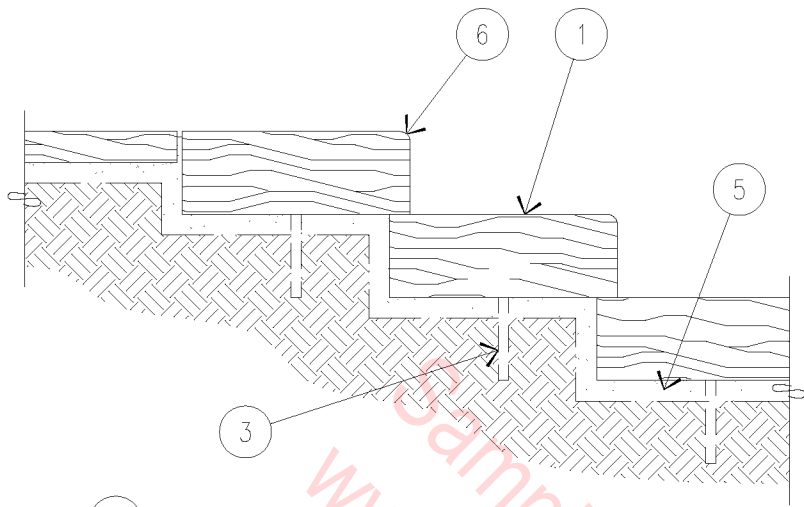
Sample from
www.AutocADDetails.net



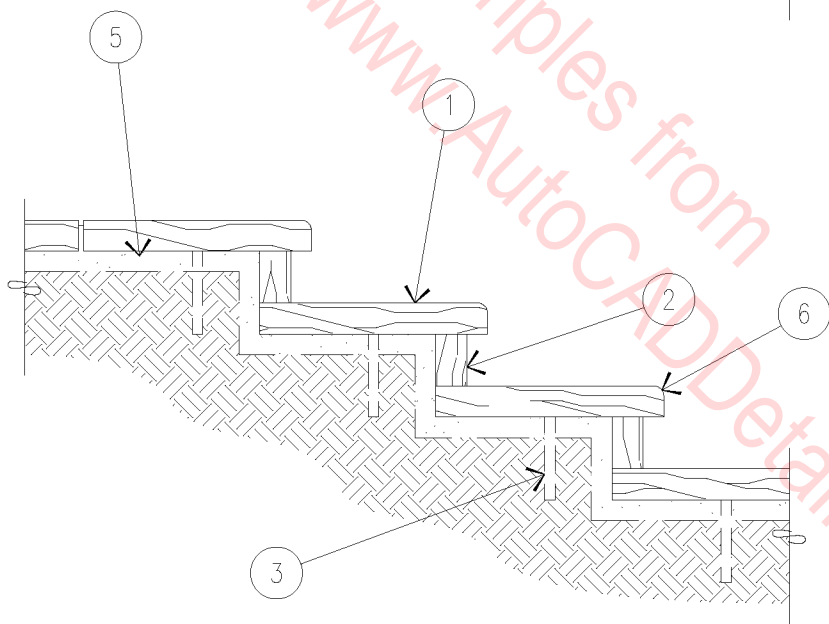
LIMESTONE VENEER

3" = 1'-0"

04C-2002



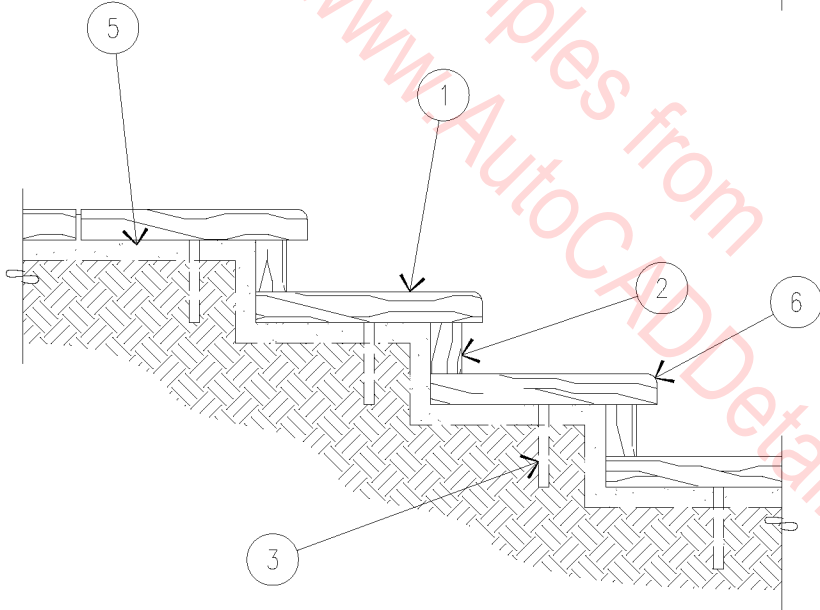
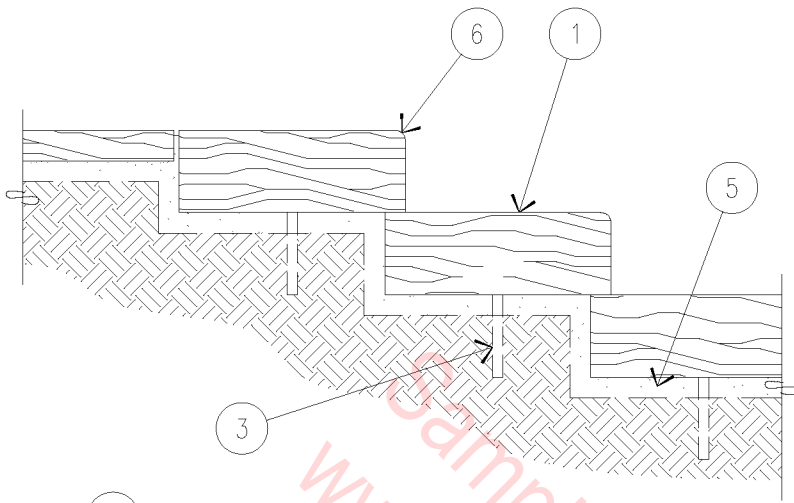
1. STONE TREAD.
2. STONE RISER.
3. RETAINING PIN.
4. FINE STONE SAND.
5. SOIL.
6. BULLNOSE.



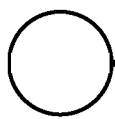
Samples from
www.AutoCADDetails.net

○ EXTERIOR STONE STEPS
N.T.S.

04C-2003



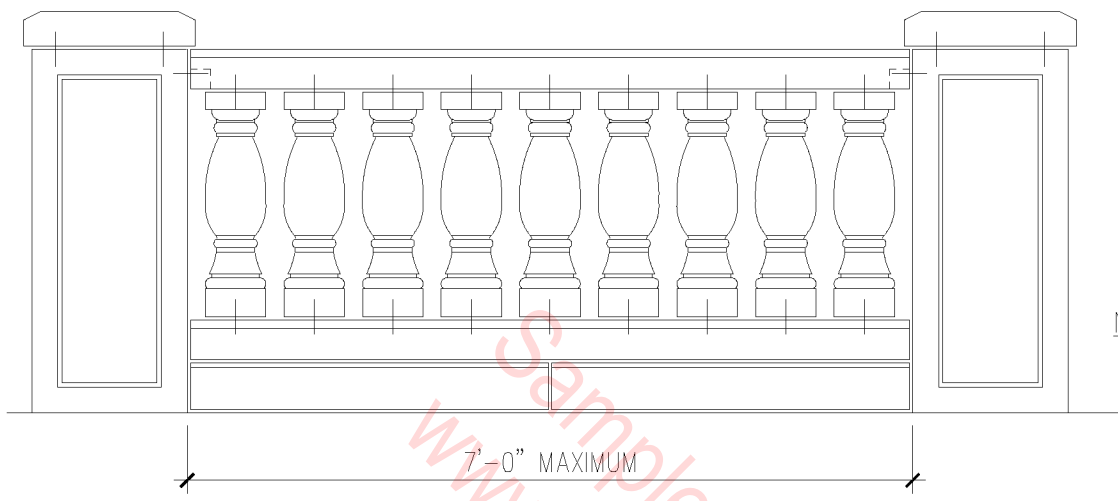
1. STONE TREAD.
2. STONE RISER.
3. RETAINING PIN.
4. FINE STONE SAND.
5. SOIL.
6. BULLNOSE.



EXTERIOR STONE STEPS

N.T.S.

04C-2003

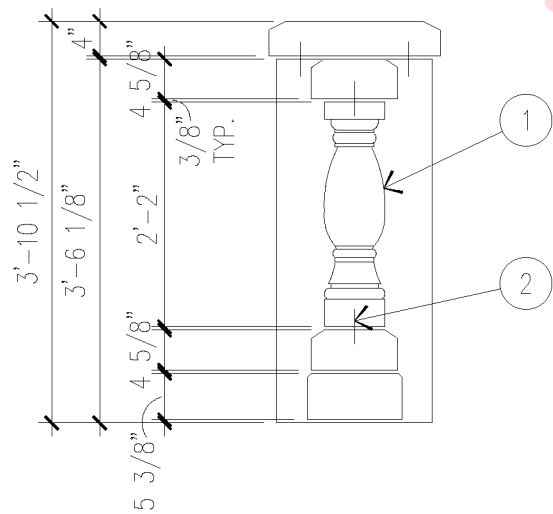


1. BALUSTER – 7" ϕ MAXIMUM WITH 7" ϕ TOP AND BOTTOM.
2. 3/8" ϕ X 4" STAINLESS STEEL DOWELS (2 PER BALUSTER), FIELD DRILL.
3. CAST STONE CAP.
4. CAST STONE PIER.
5. KEY SLOT.

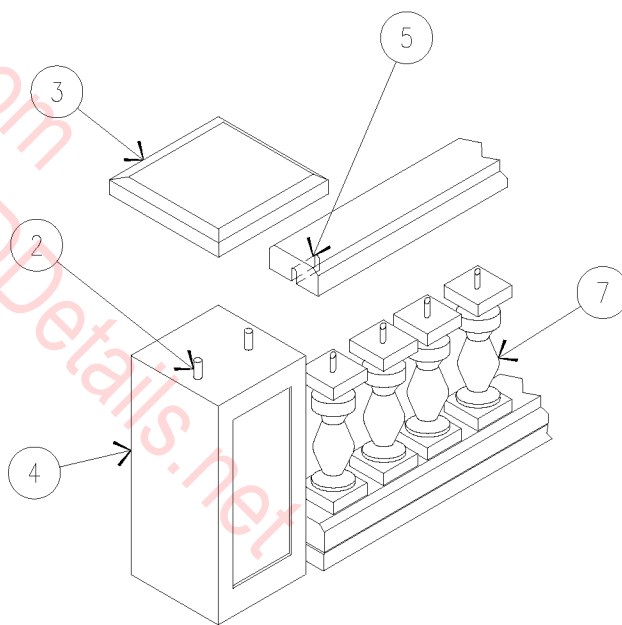
NOTE: PIER ANCHORAGE (NOT SHOWN) PROVIDES STRUCTURAL RESTRAINT FOR FULL BALUSTRADE.

7'-0" MAXIMUM

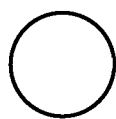
ELEVATION



SECTION



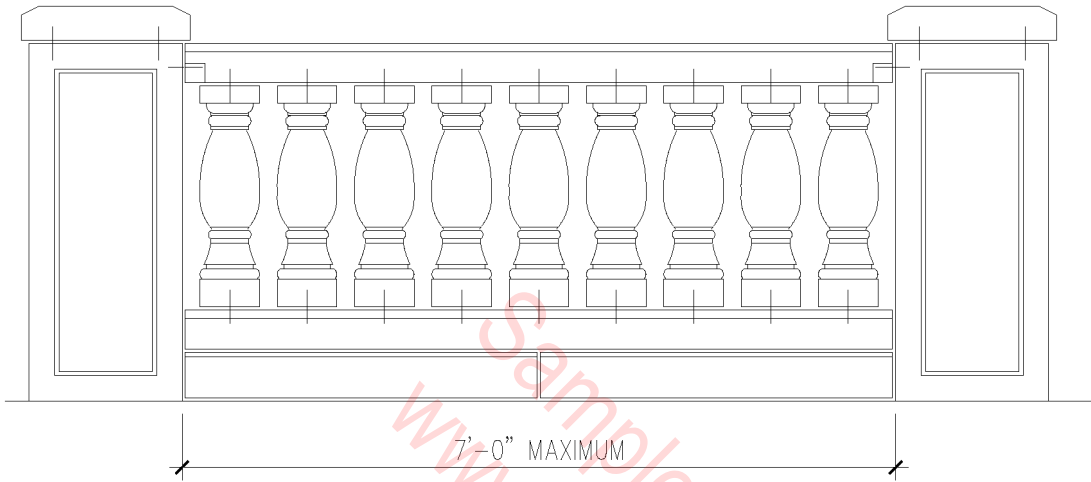
TOP RAIL DOWEL PLACEMENT (NOT TO SCALE)



STONE RAILING

1/2" = 1'-0"

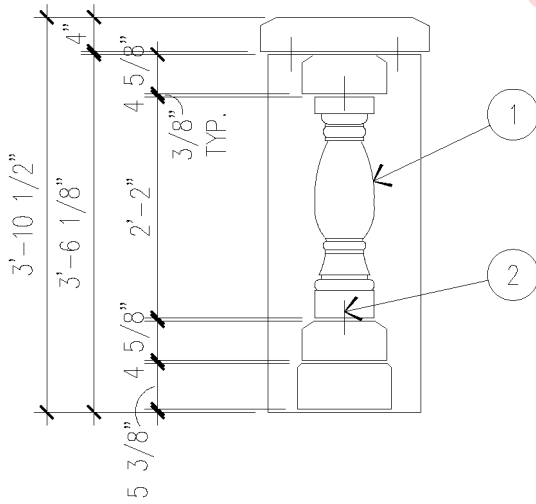
04C-2004



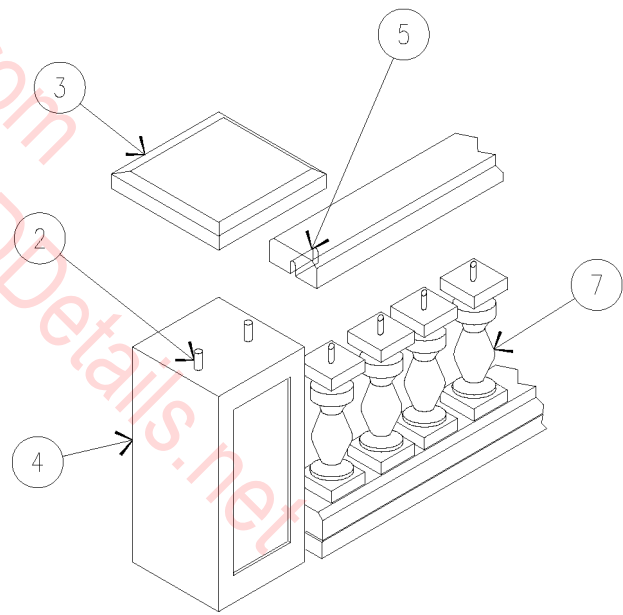
ELEVATION

1. BALUSTER - 7" ϕ MAXIMUM WITH 7" ϕ TOP AND BOTTOM.
2. 3/8" ϕ X 4" STAINLESS STEEL DOWELS (2 PER BALUSTER), FIELD DRILL.
3. CAST STONE CAP.
4. CAST STONE PIER.
5. KEY SLOT.

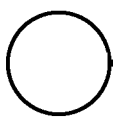
NOTE: PIER ANCHORAGE (NOT SHOWN) PROVIDES STRUCTURAL RESTRAINT FOR FULL BALUSTRADE.



SECTION



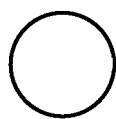
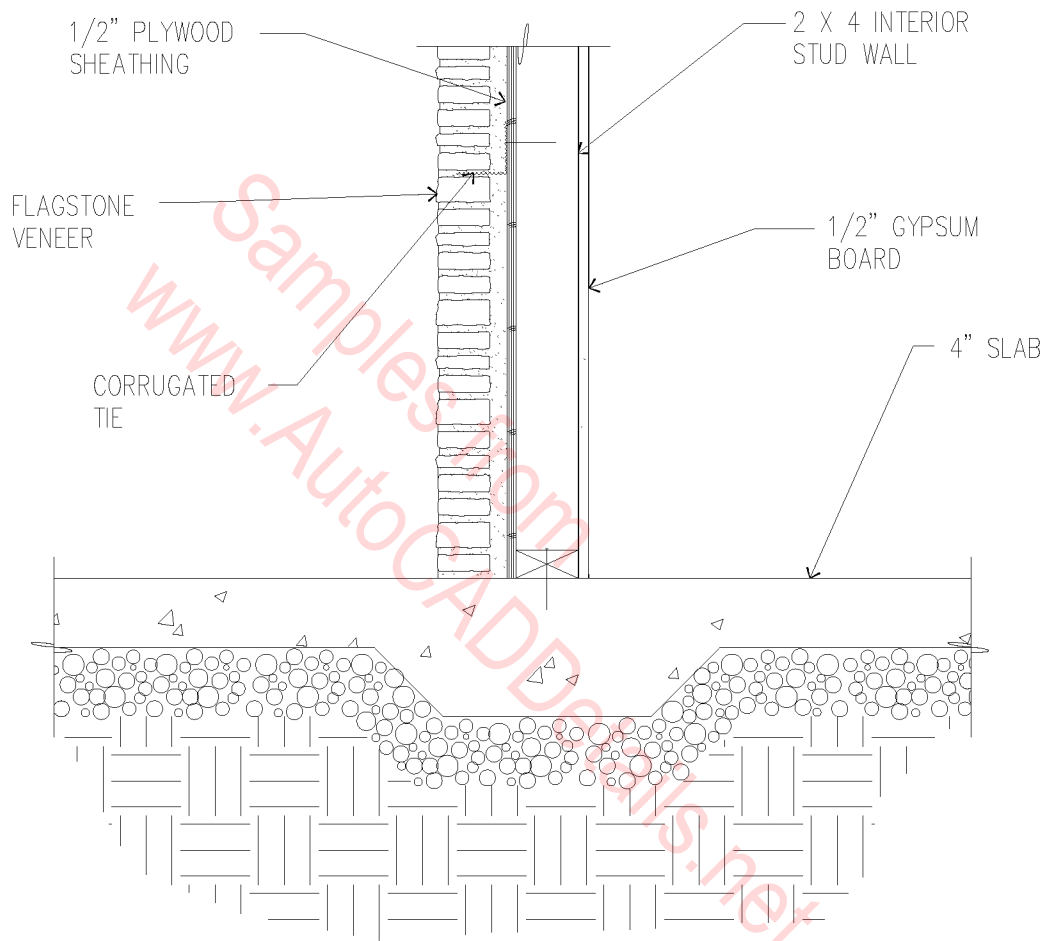
TOP RAIL DOWEL PLACEMENT (NOT TO SCALE)



STONE RAILING

1/2" = 1'-0"

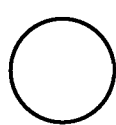
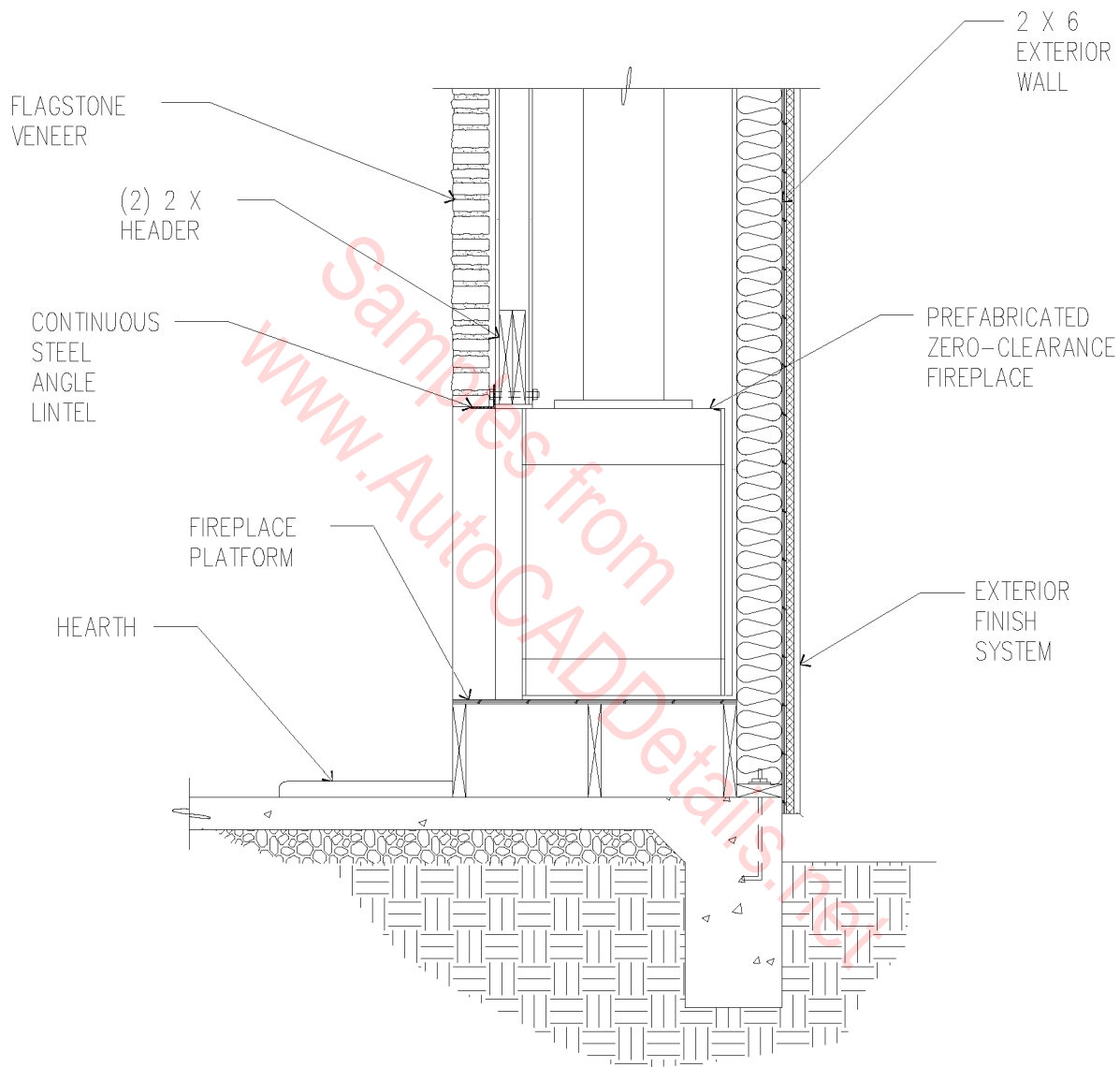
04C-2004



FLAGSTONE VENEER

1" = 1'-0"

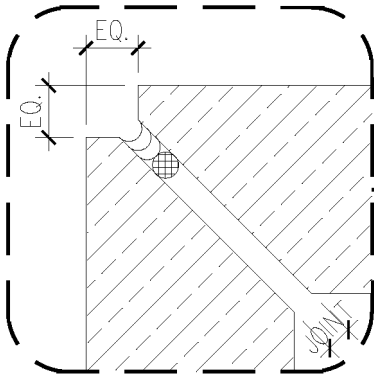
04C-3001



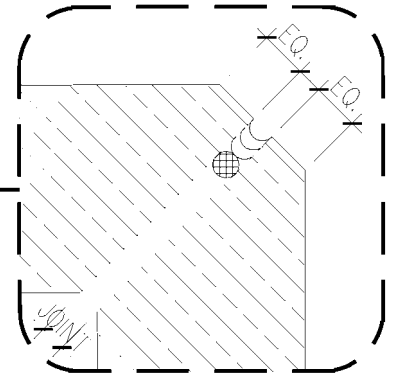
1/2" = 1'-0"

VENEER @ FIREPLACE

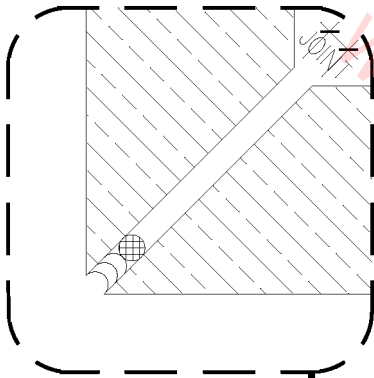
04C-3002



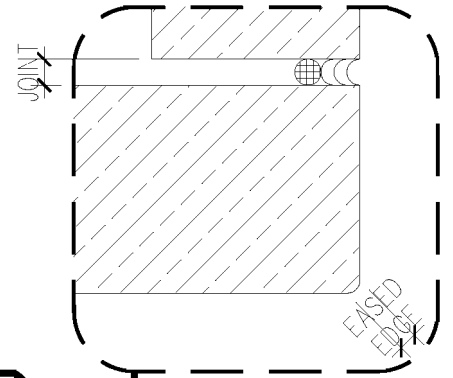
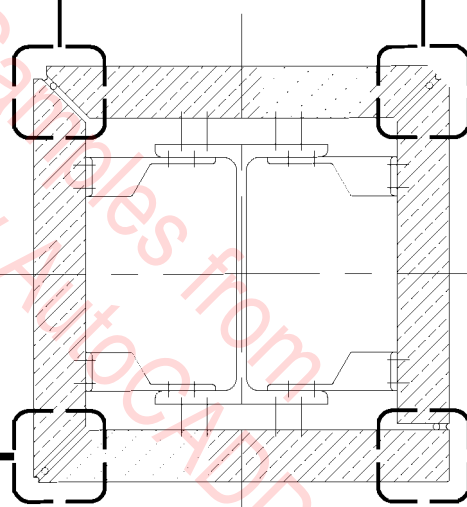
QUIRK MITER CORNER



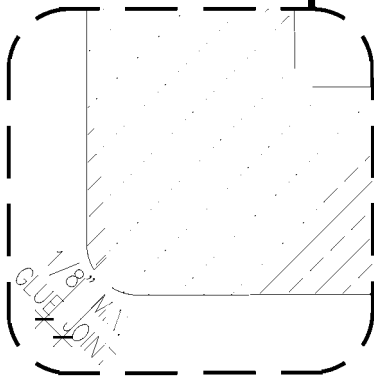
MASON MITER CORNER



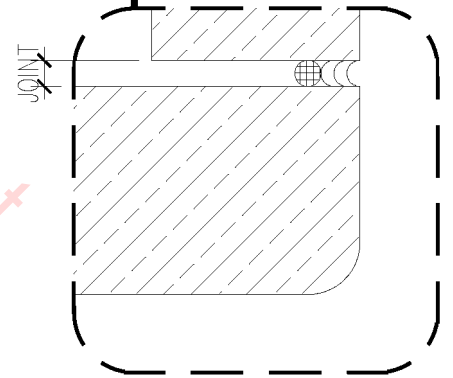
MITER CORNER



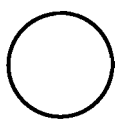
BUTT CORNER



MITER ROUNDED CORNER



BUTT ROUNDED CORNER

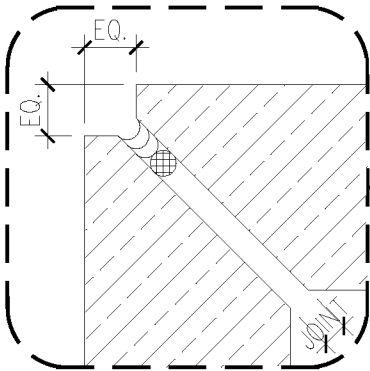


STONE VENEER CORNERS

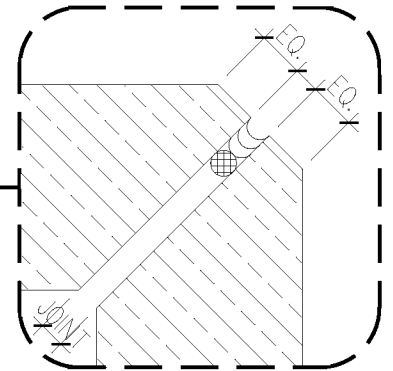
N.T.S.

04C-3003

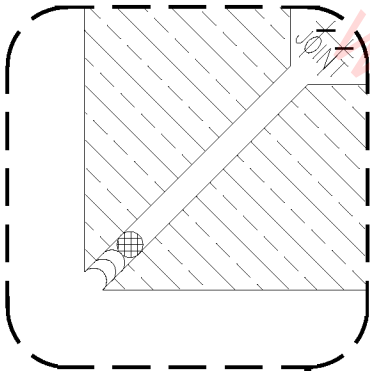
www.Autodesk.com
Samples from
Details.net



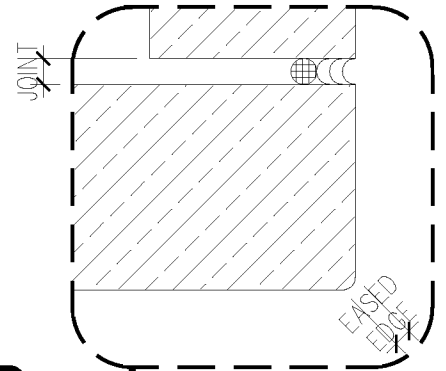
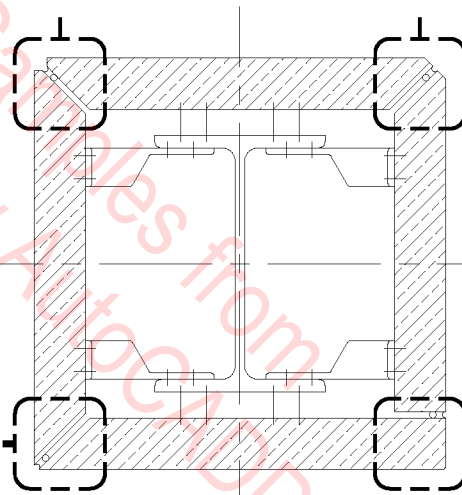
QUIRK MITER CORNER



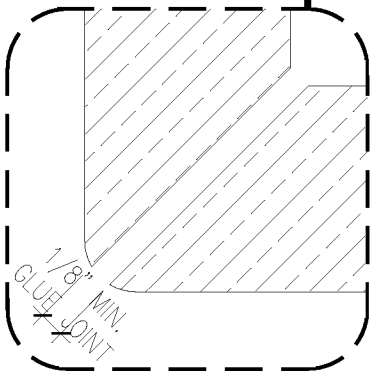
MASON MITER CORNER



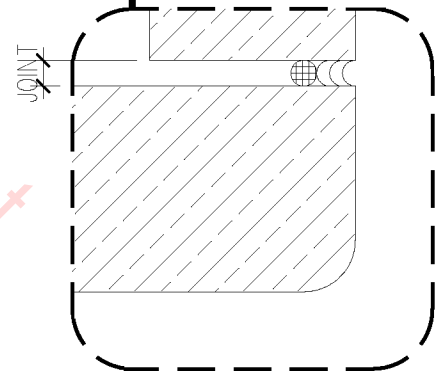
MITER CORNER



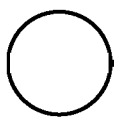
BUTT CORNER



MITER ROUNDED CORNER



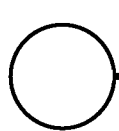
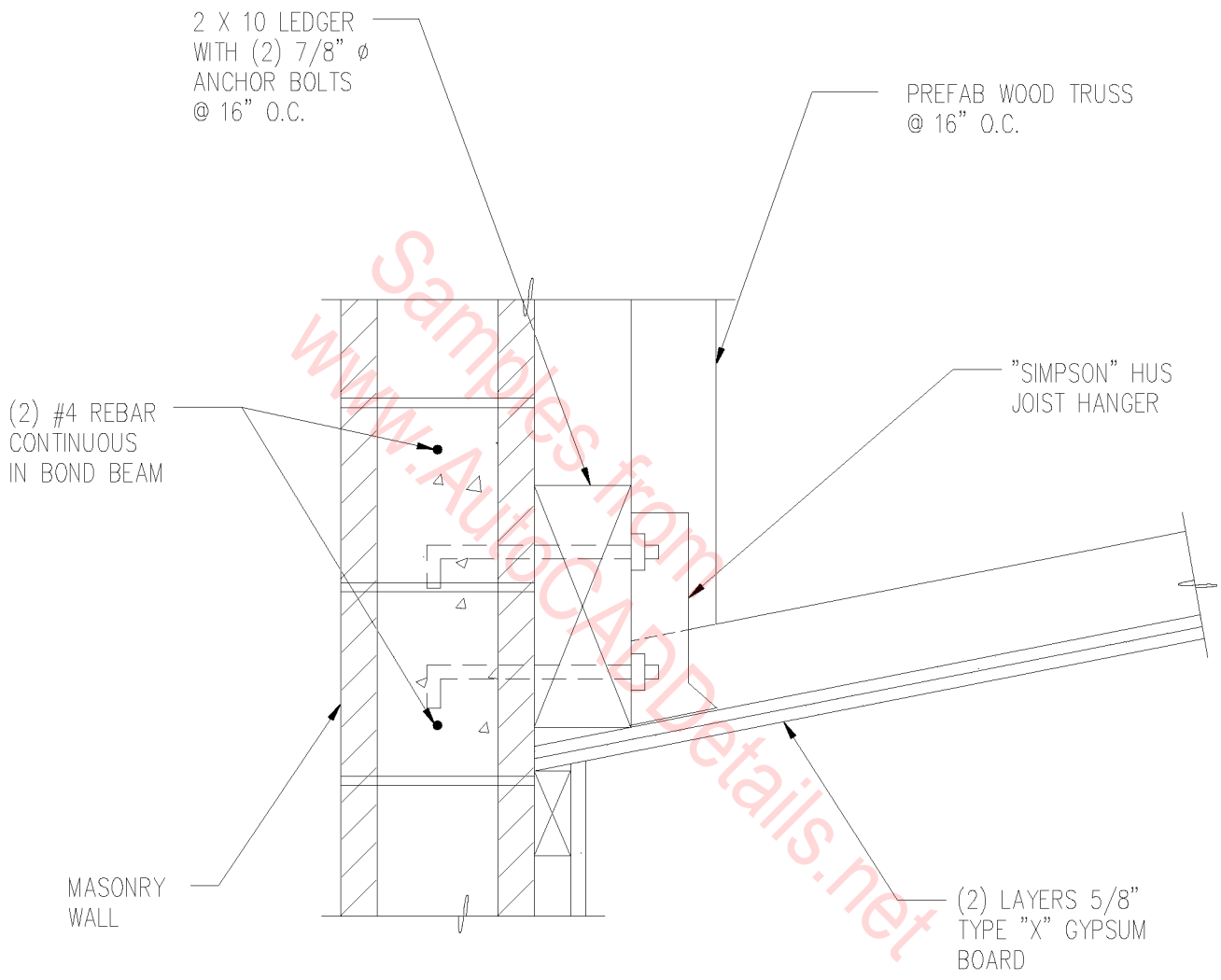
BUTT ROUNDED CORNER



STONE VENEER CORNERS

N.T.S.

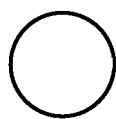
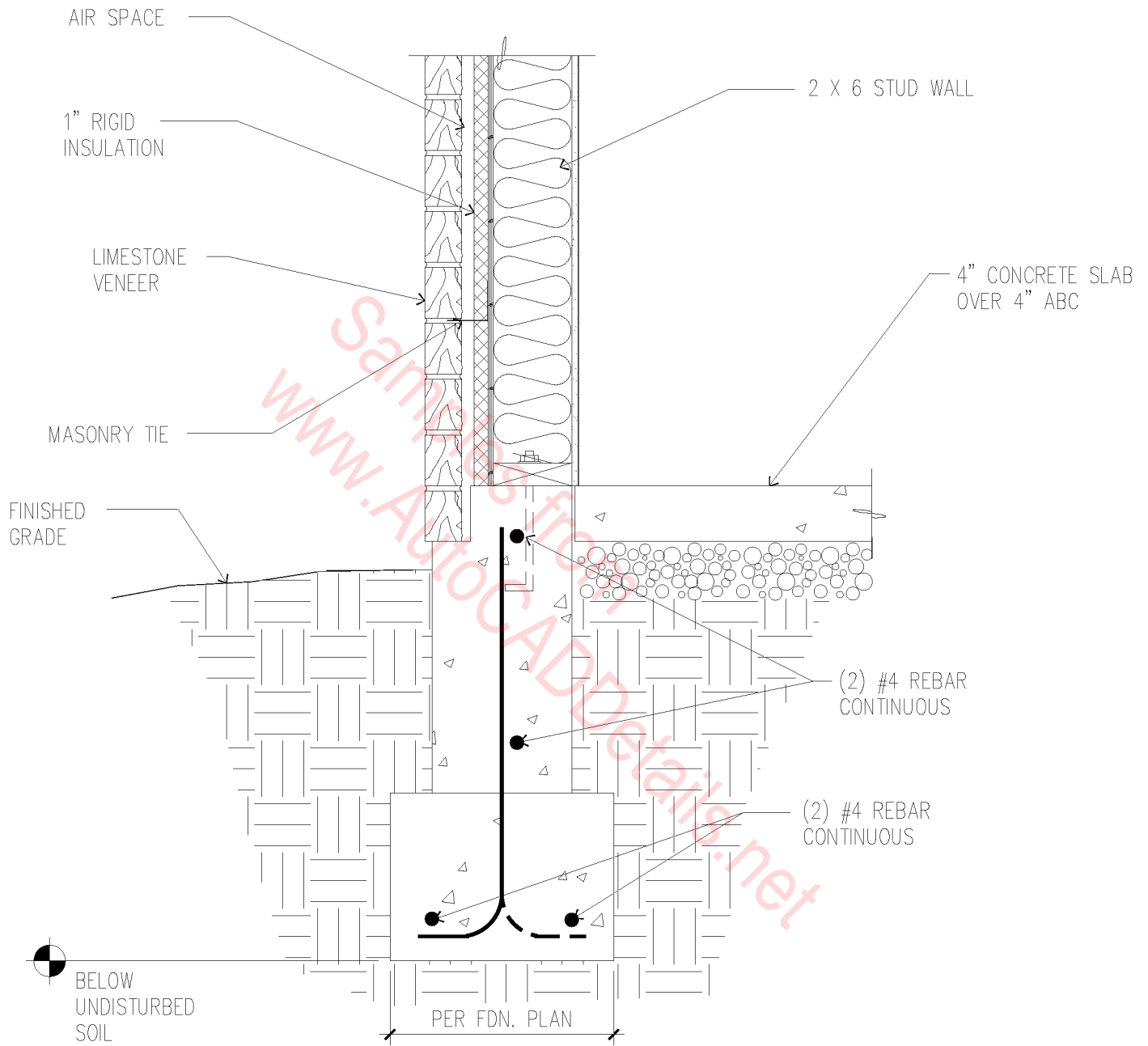
04C-3003



LEDGER @ C.M.U. WALL

1 1/2" = 1'-0"

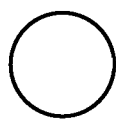
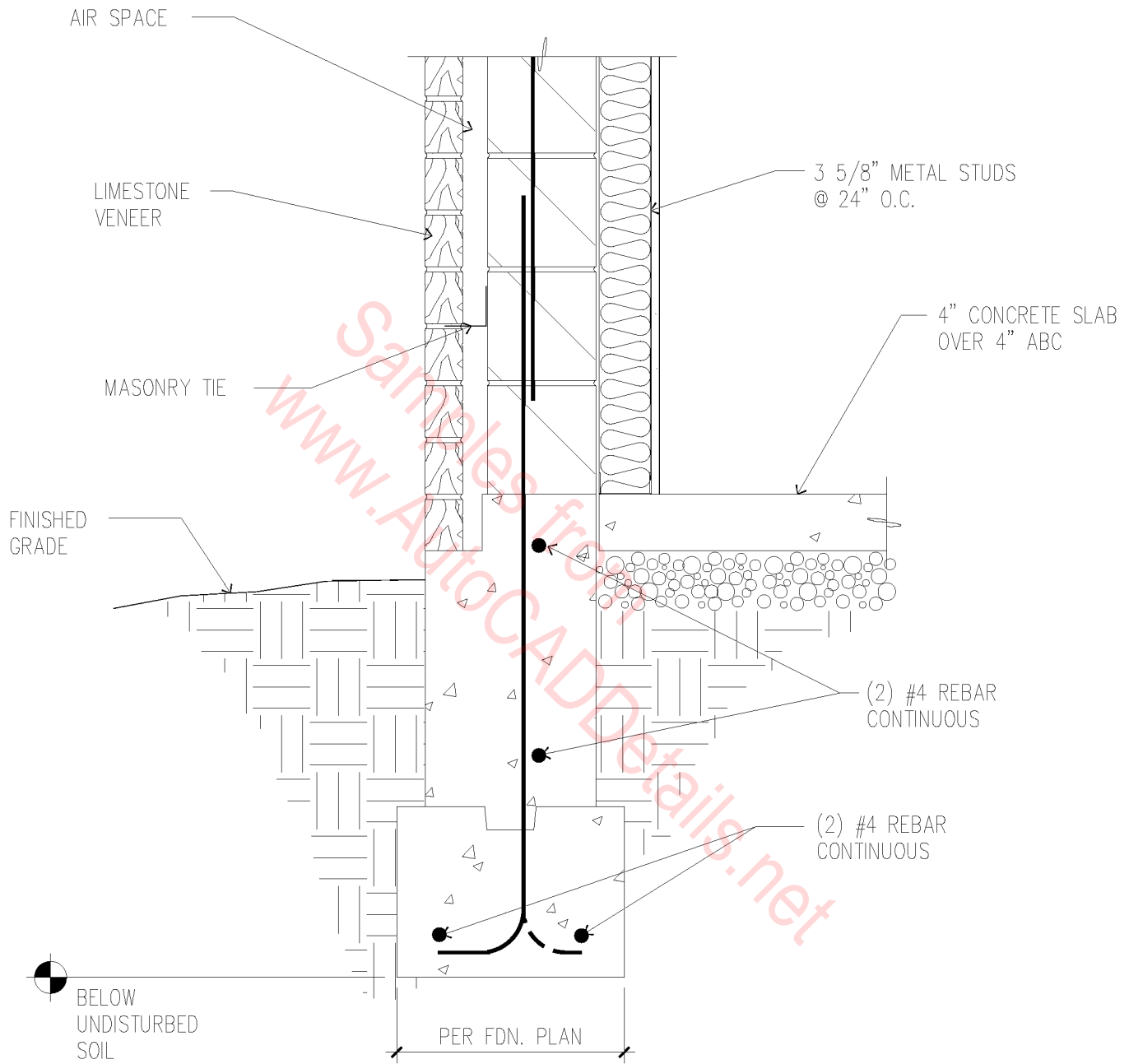
04C-4001



LIMESTONE VENEER

1" = 1'-0"

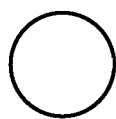
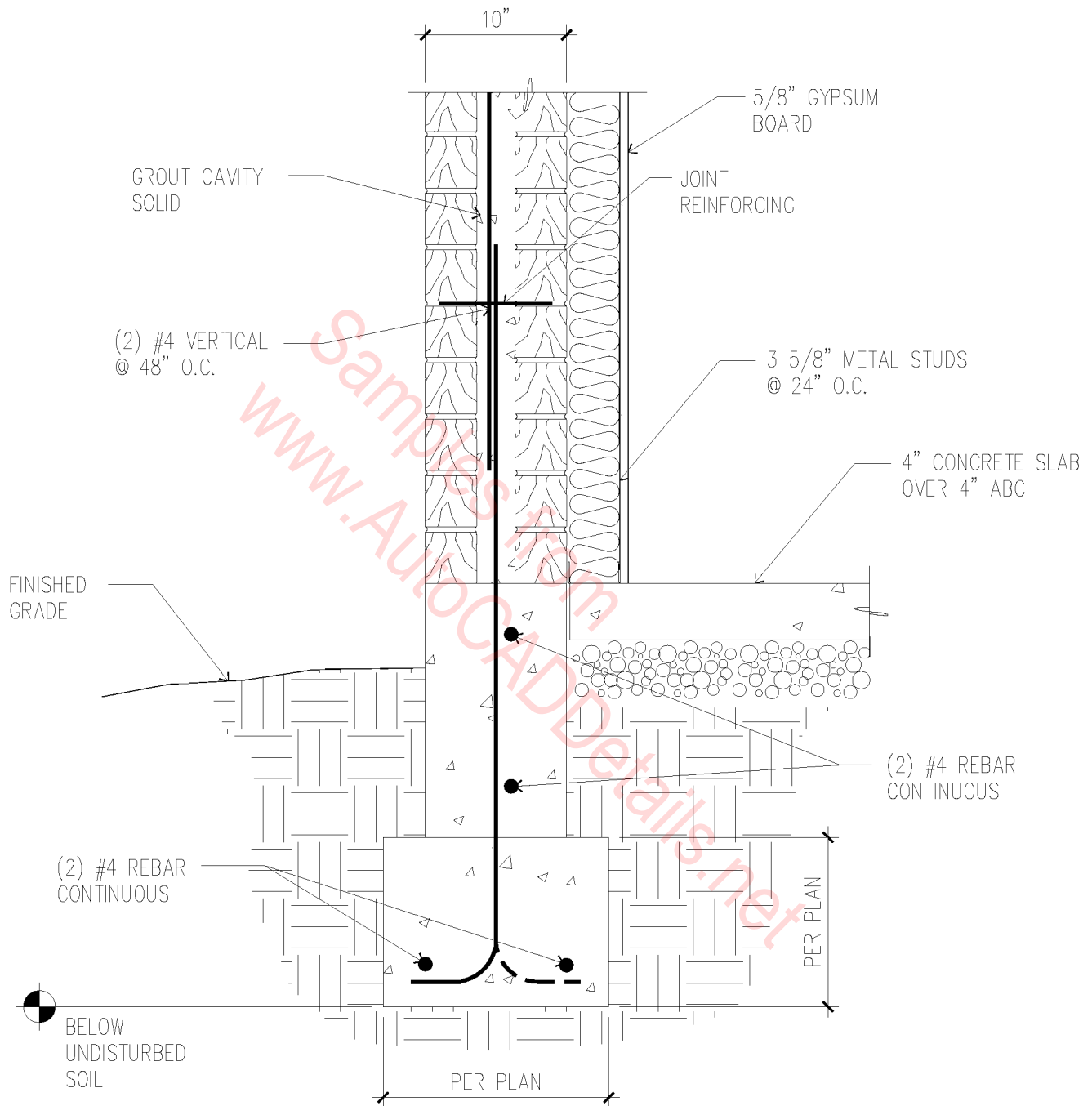
04C-5001



LIMESTONE VENEER

1" = 1'-0"

04C-5002



LIMESTONE WALL

1" = 1'-0"

04C-5003

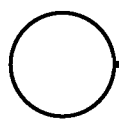
LIMESTONE
PANEL

30°

PRECAST
ANCHOR

CONCRETE
WALL

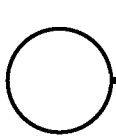
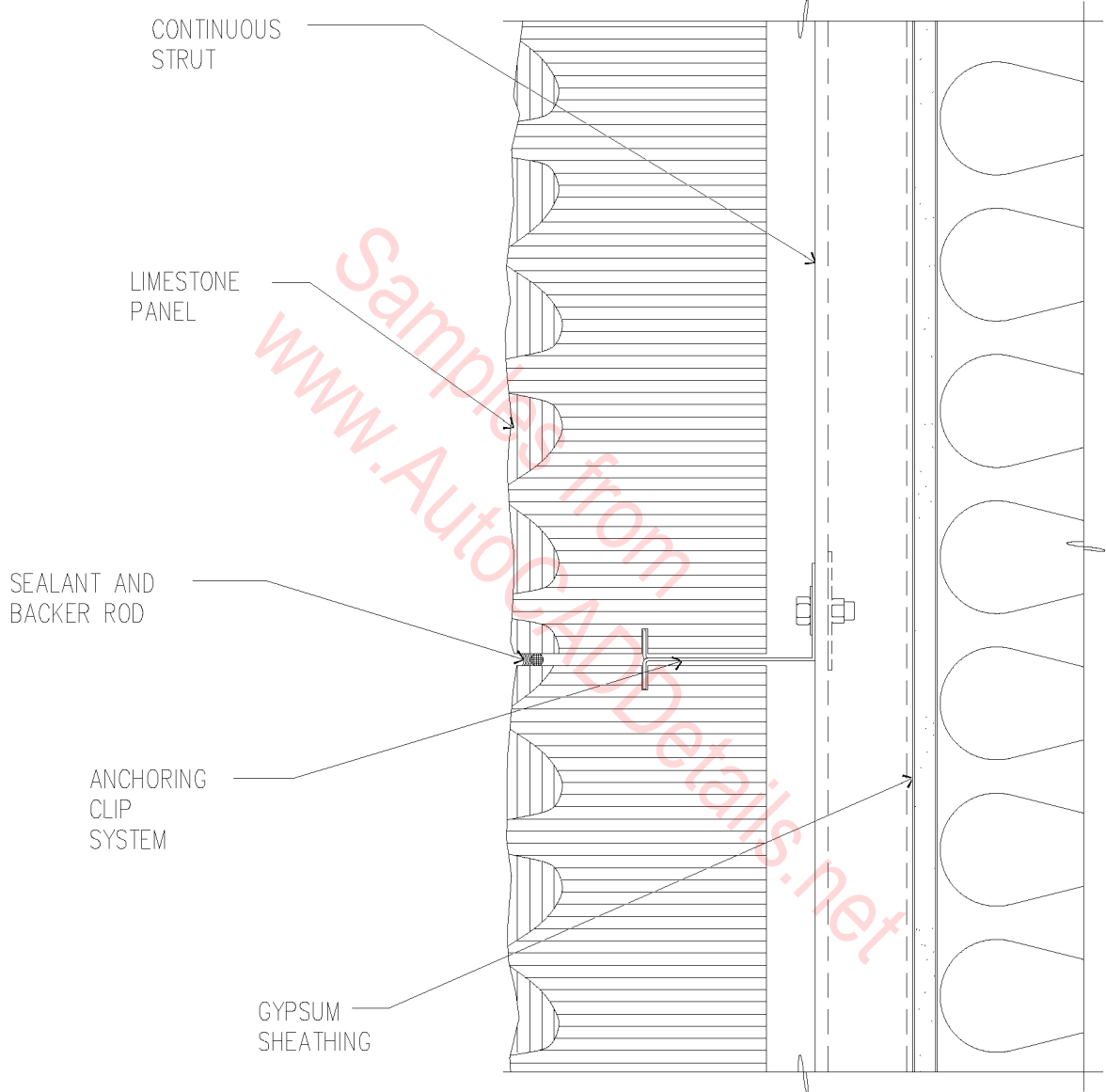
Sample from
www.AutocADDetails.net



LIMESTONE VENEER

3" = 1'-0"

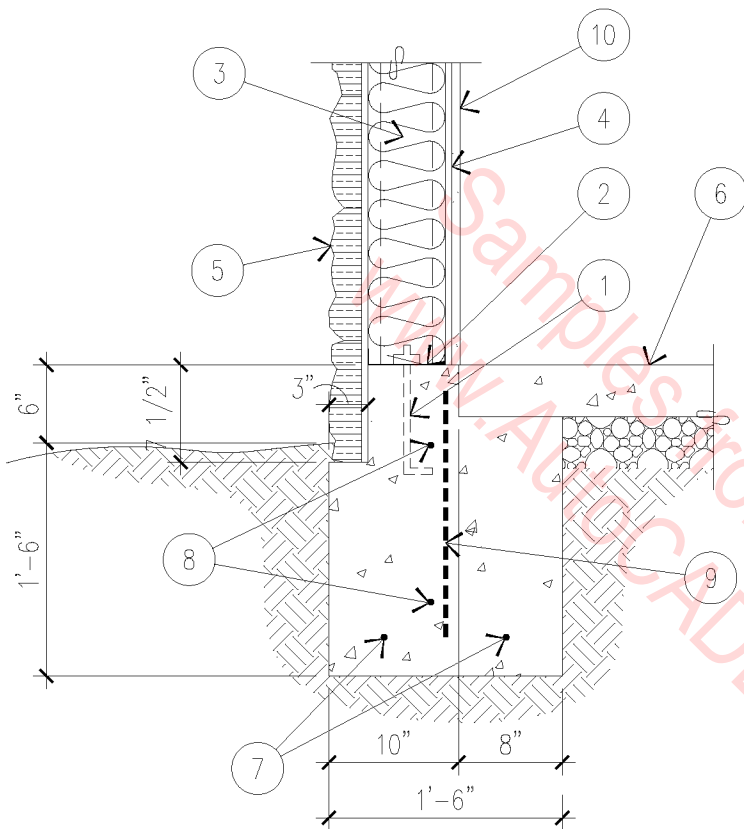
04C-6001



LIMESTONE VENEER

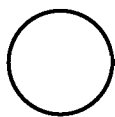
3" = 1'-0"

04C-6002



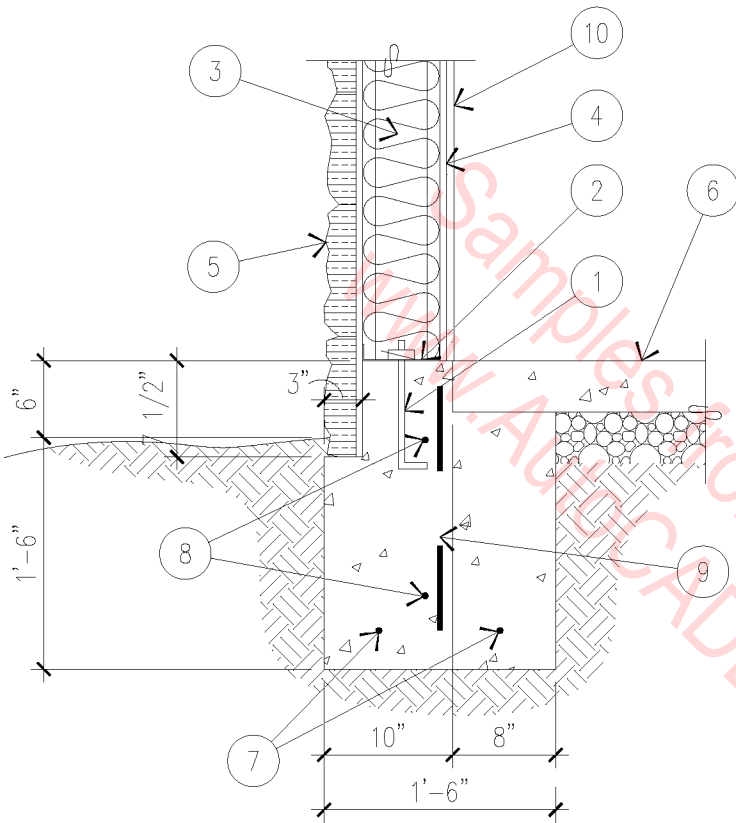
1. 1/2" \varnothing ANCHOR BOLTS AT 4'-0" O.C. AND EACH END (MINIMUM 2 PER BOARD), UNLESS NOTED OTHERWISE.
2. BOTTOM TRACK.
3. METAL STUD WALL – SEE PLAN.
4. RC-1 CHANNELS SPACED AT 24" O.C. ATTACHED WITH 1" TYPE "S" SCREWS.
5. STONE SIDING – SEE ELEVATIONS FOR SPECIFICATIONS.
6. 4" CONCRETE SLAB ON 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



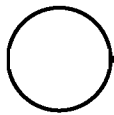
3/4" = 1'-0"

04C-6003



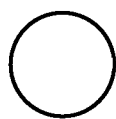
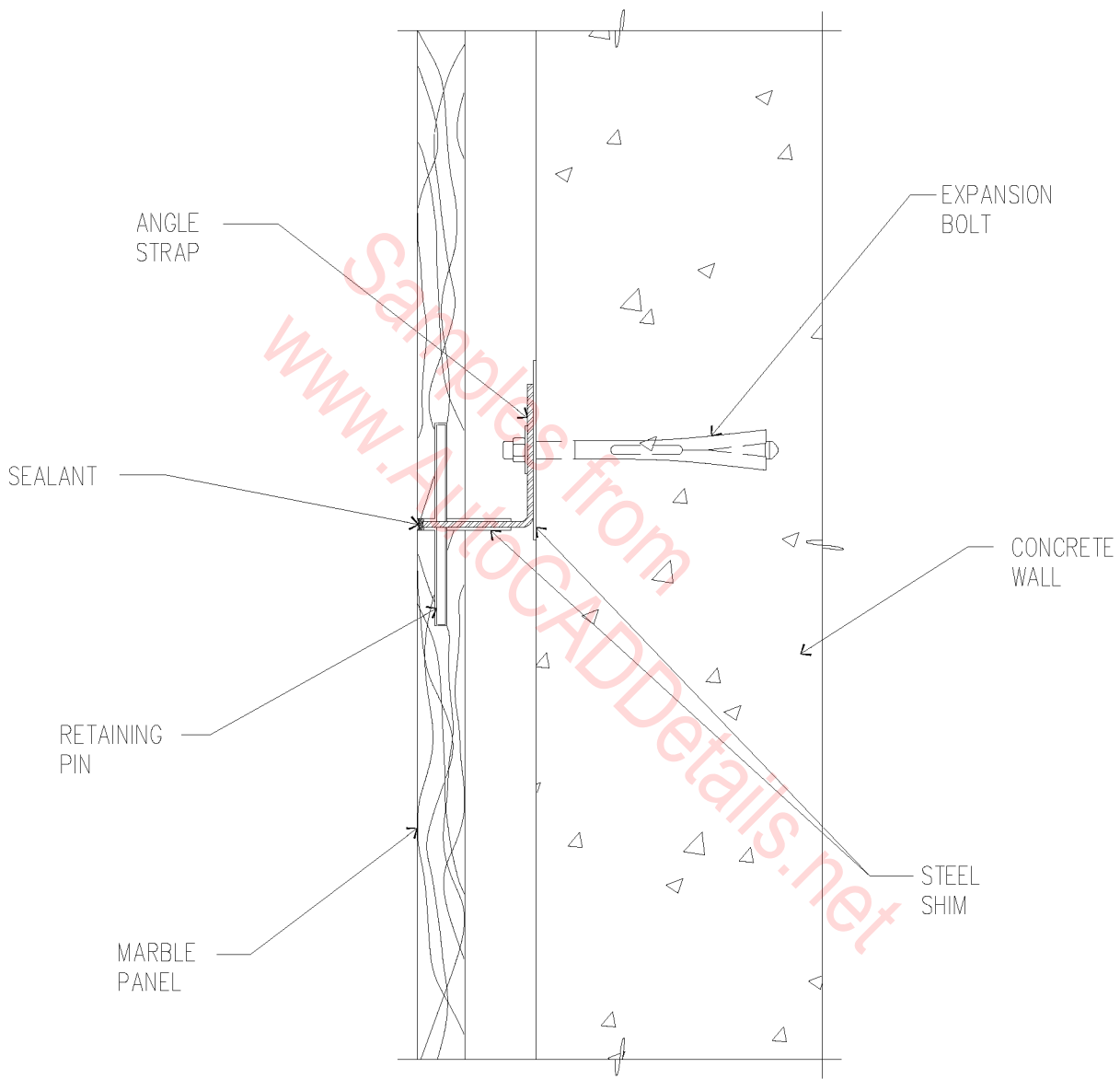
1. 1/2" ϕ ANCHOR BOLTS AT 4'-0" O.C. AND EACH END (MINIMUM 2 PER BOARD), UNLESS NOTED OTHERWISE.
2. BOTTOM TRACK.
3. METAL STUD WALL - SEE PLAN.
4. RC-1 CHANNELS SPACED AT 24" O.C. ATTACHED WITH 1" TYPE "S" SCREWS.
5. STONE SIDING - SEE ELEVATIONS FOR SPECIFICATIONS.
6. 4" CONCRETE SLAB ON 4" A.B.C., 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"

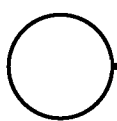
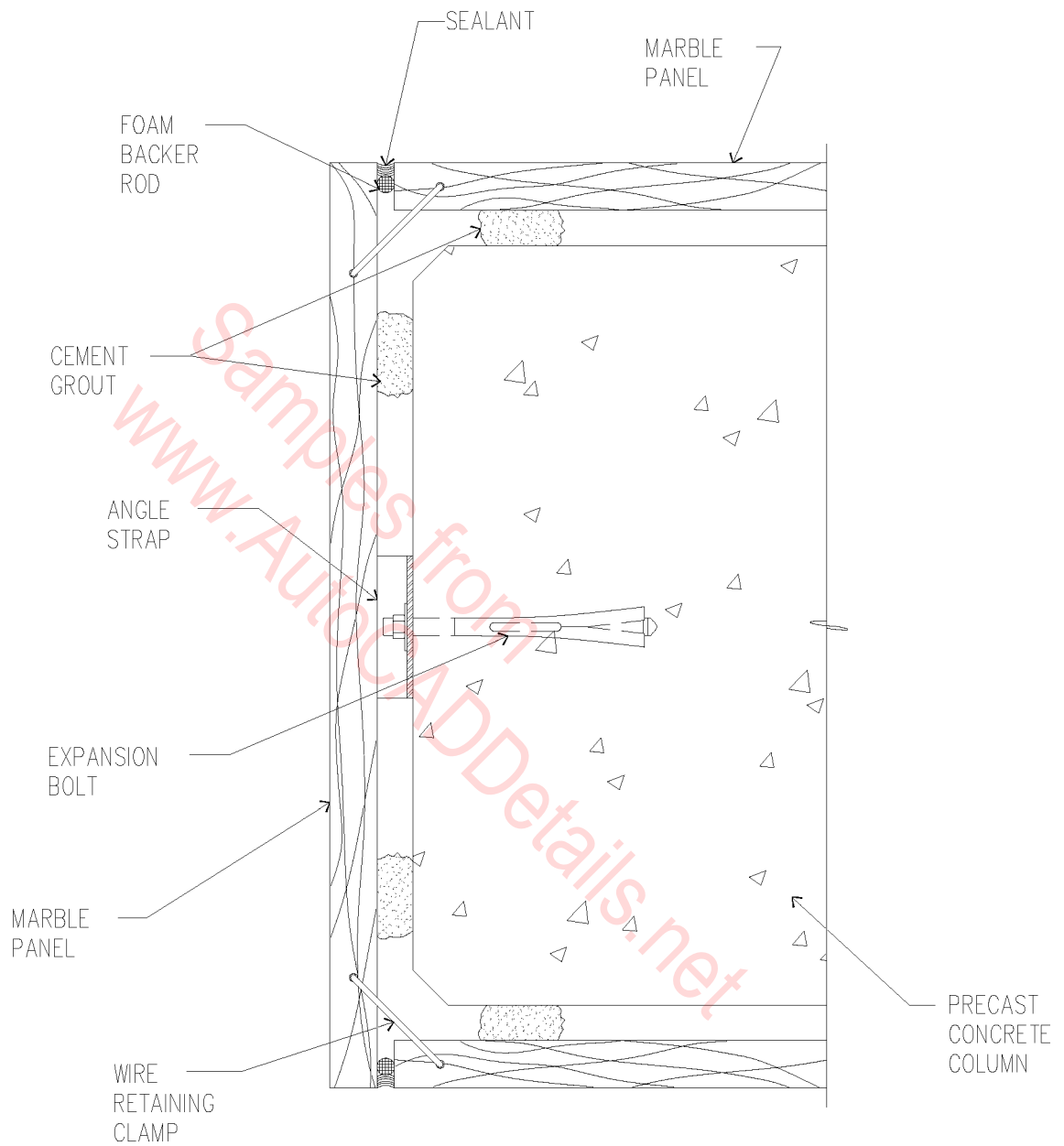
04C-6003



MARBLE VENEER

3" = 1'-0"

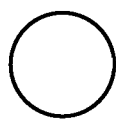
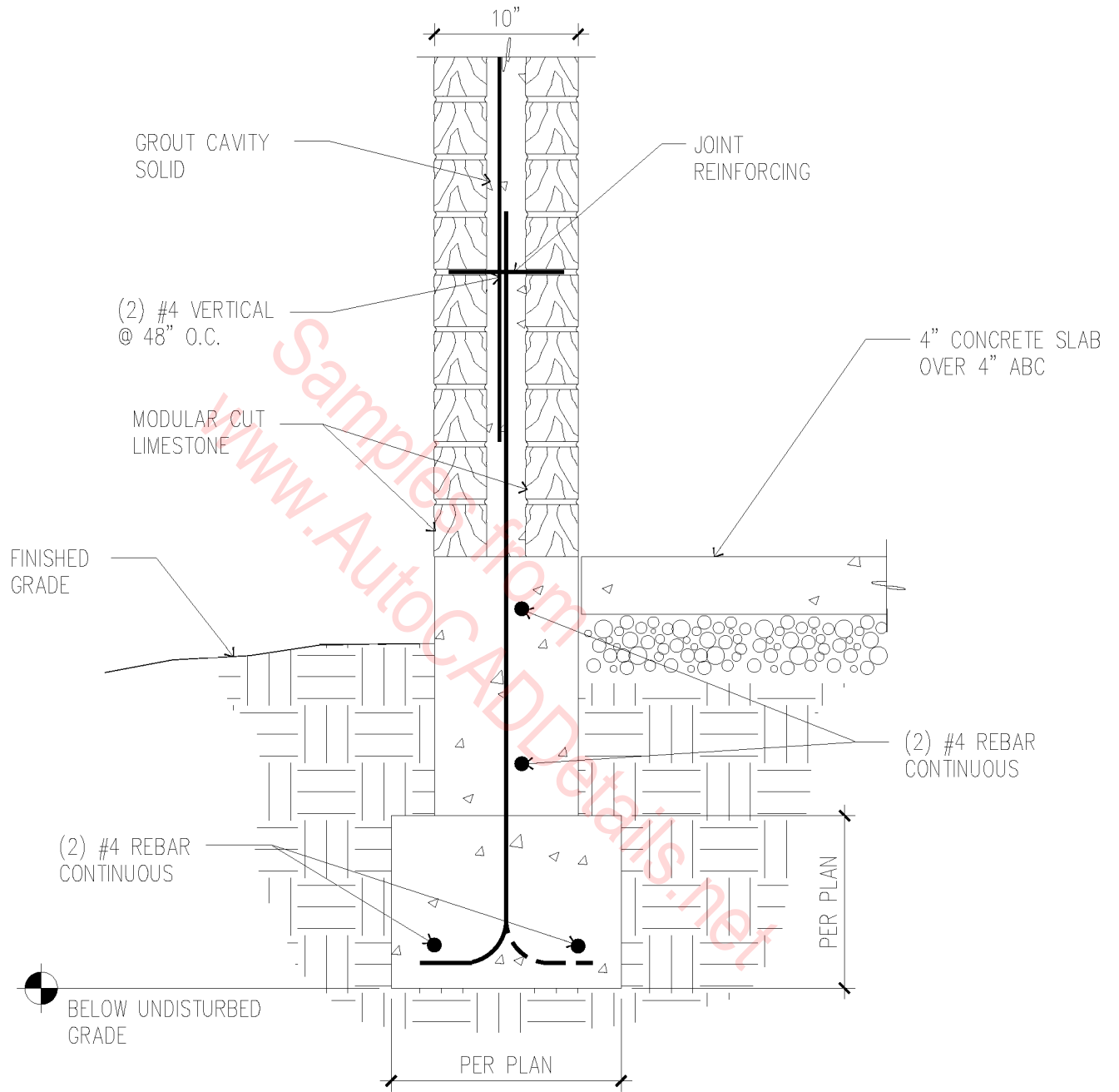
04C-7001



MARBLE COLUMN

3" = 1'-0"

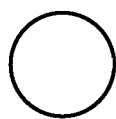
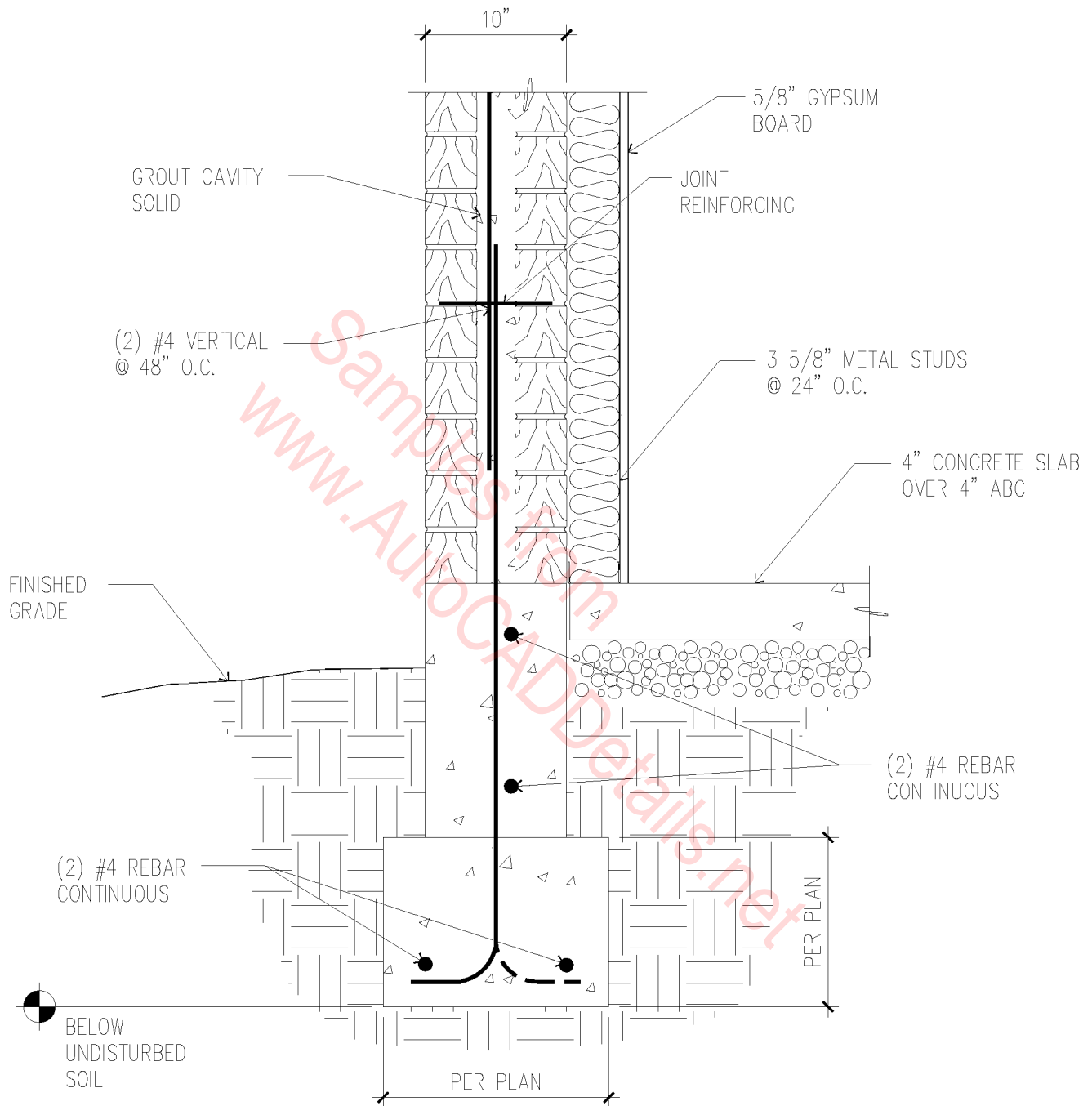
04C-7002



LIMESTONE WALL

1" = 1'-0"

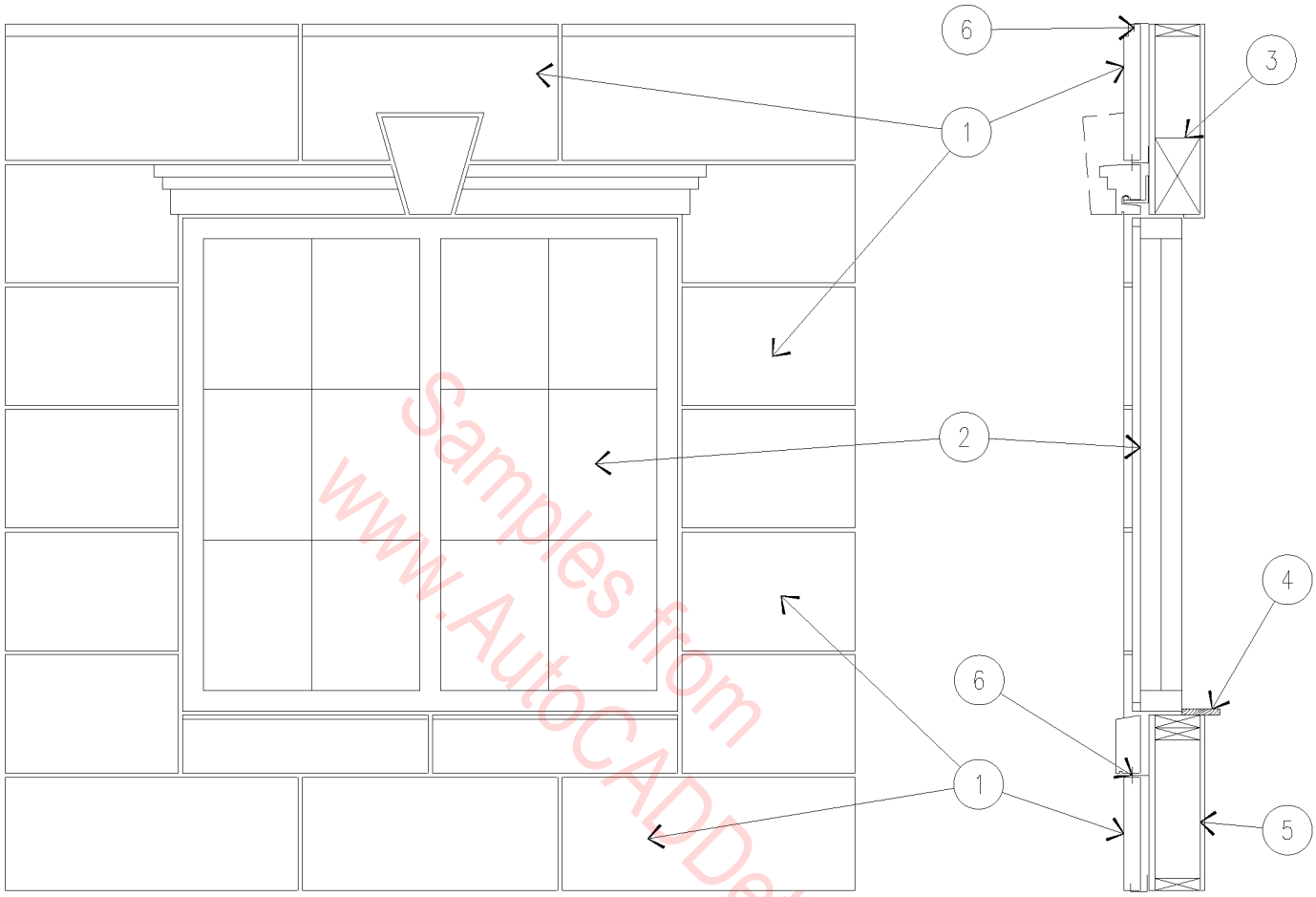
04C-7003



LIMESTONE WALL

1" = 1'-0"

04C-7004

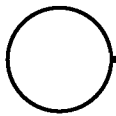


ELEVATION

SECTION

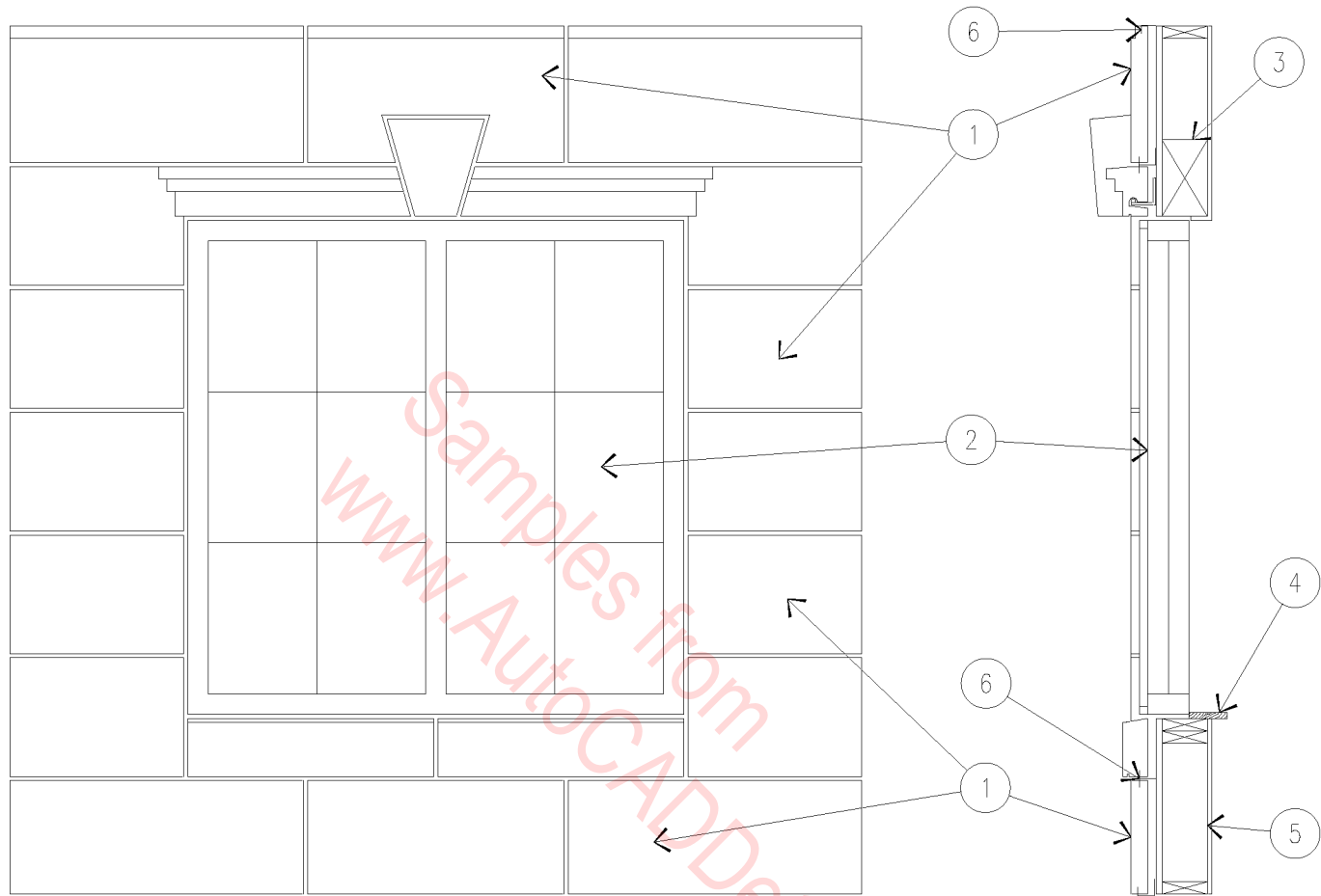
- 1. LIMESTONE FACE.
- 2. WINDOW - SEE SCHEDULE.
- 3. HEADER.
- 4. SILL.
- 5. 2 X STUD WALL.
- 6. MASONRY TIES.

LIMESTONE WINDOW TREATMENT



1/2" = 1'-0"

04C-7005

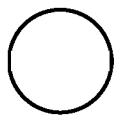


ELEVATION

SECTION

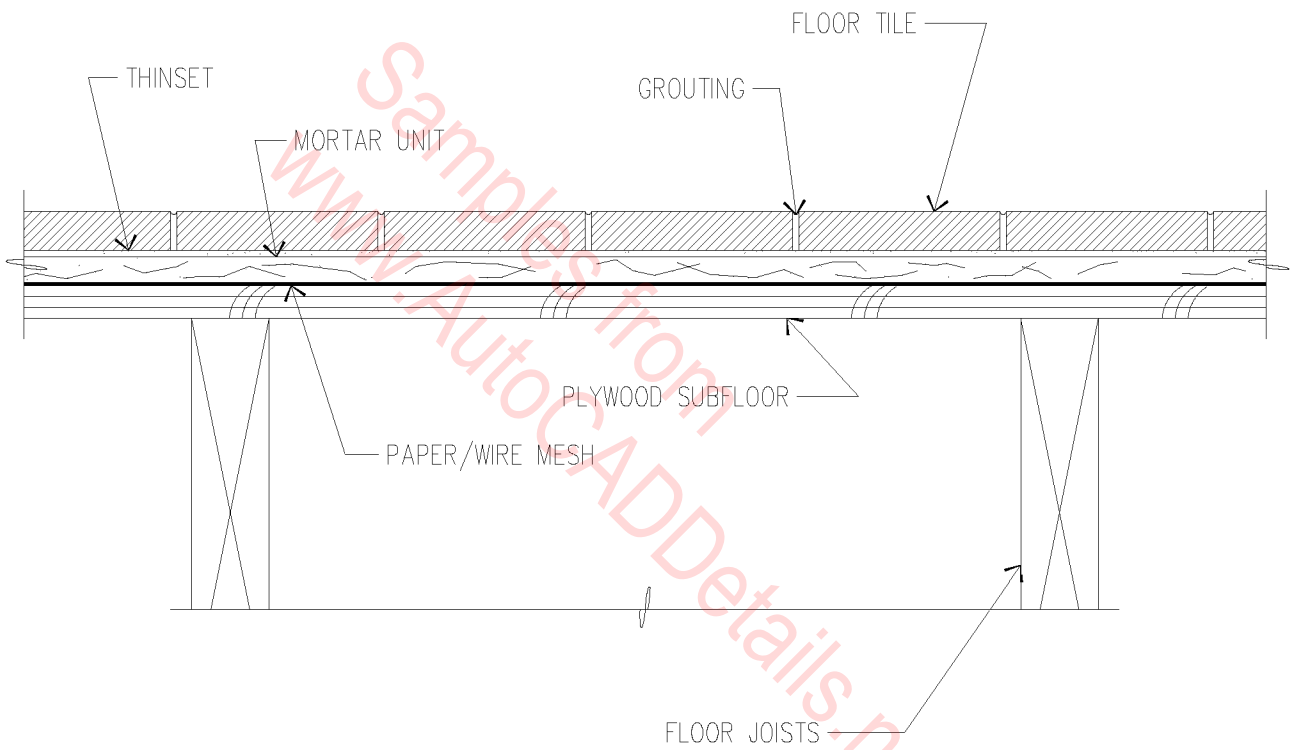
1. LIMESTONE FACE.
2. WINDOW - SEE SCHEDULE.
3. HEADER.
4. SILL.
5. 2 X STUD WALL.
6. MASONRY TIES.

LIMESTONE WINDOW TREATMENT

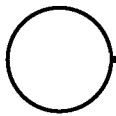


1/2" = 1'-0"

04C-7005

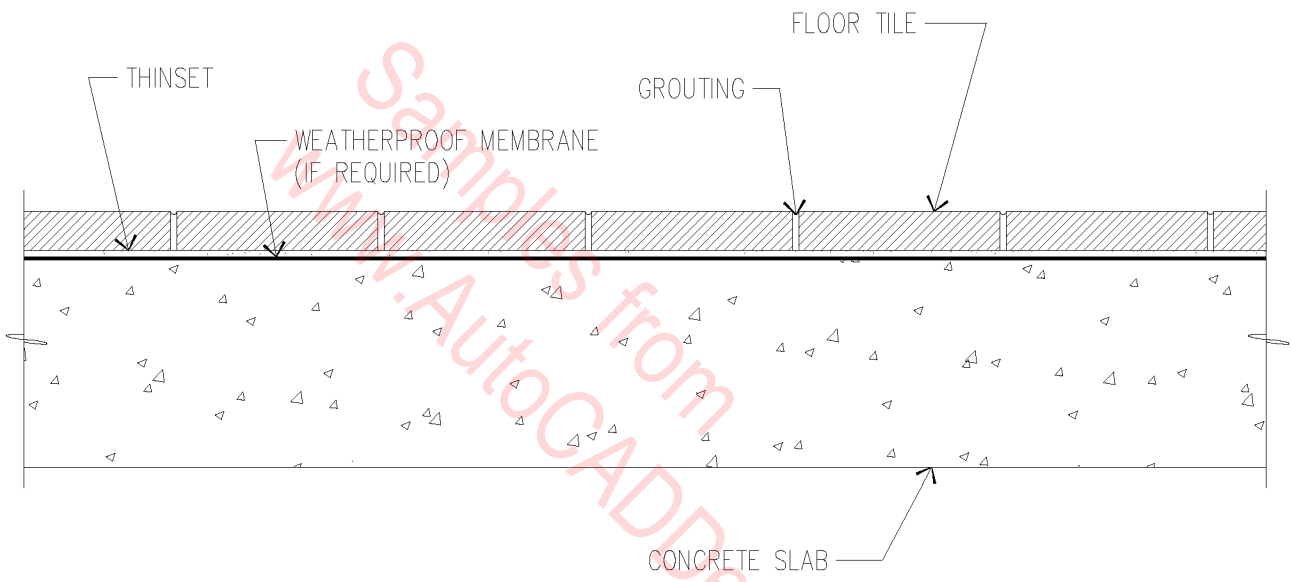


SYNTHETIC STONE VENEER

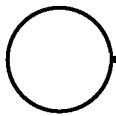


3" = 1'-0"

04C-8001



SYNTHETIC STONE VENEER



3" = 1'-0"

04C-8002