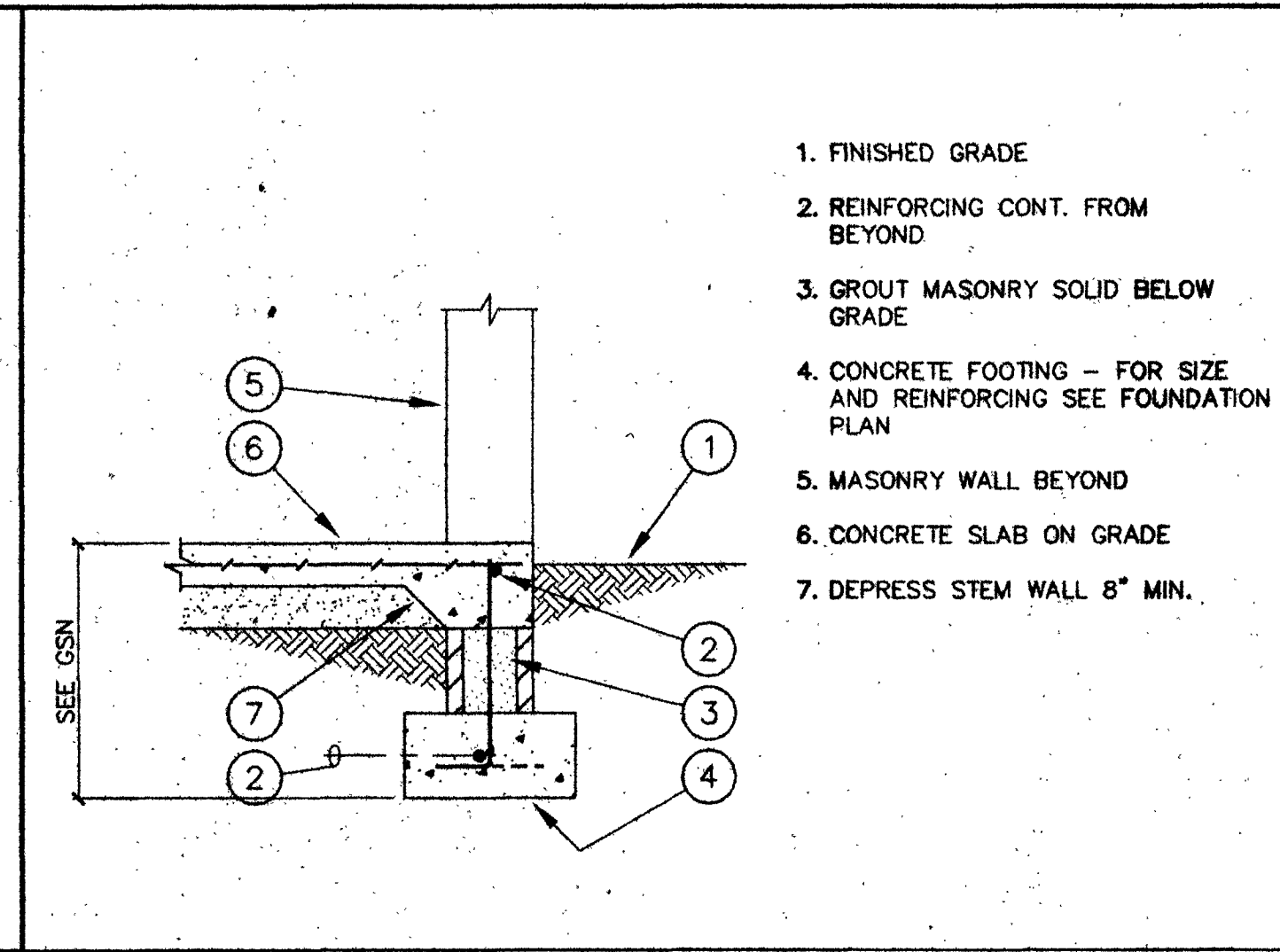
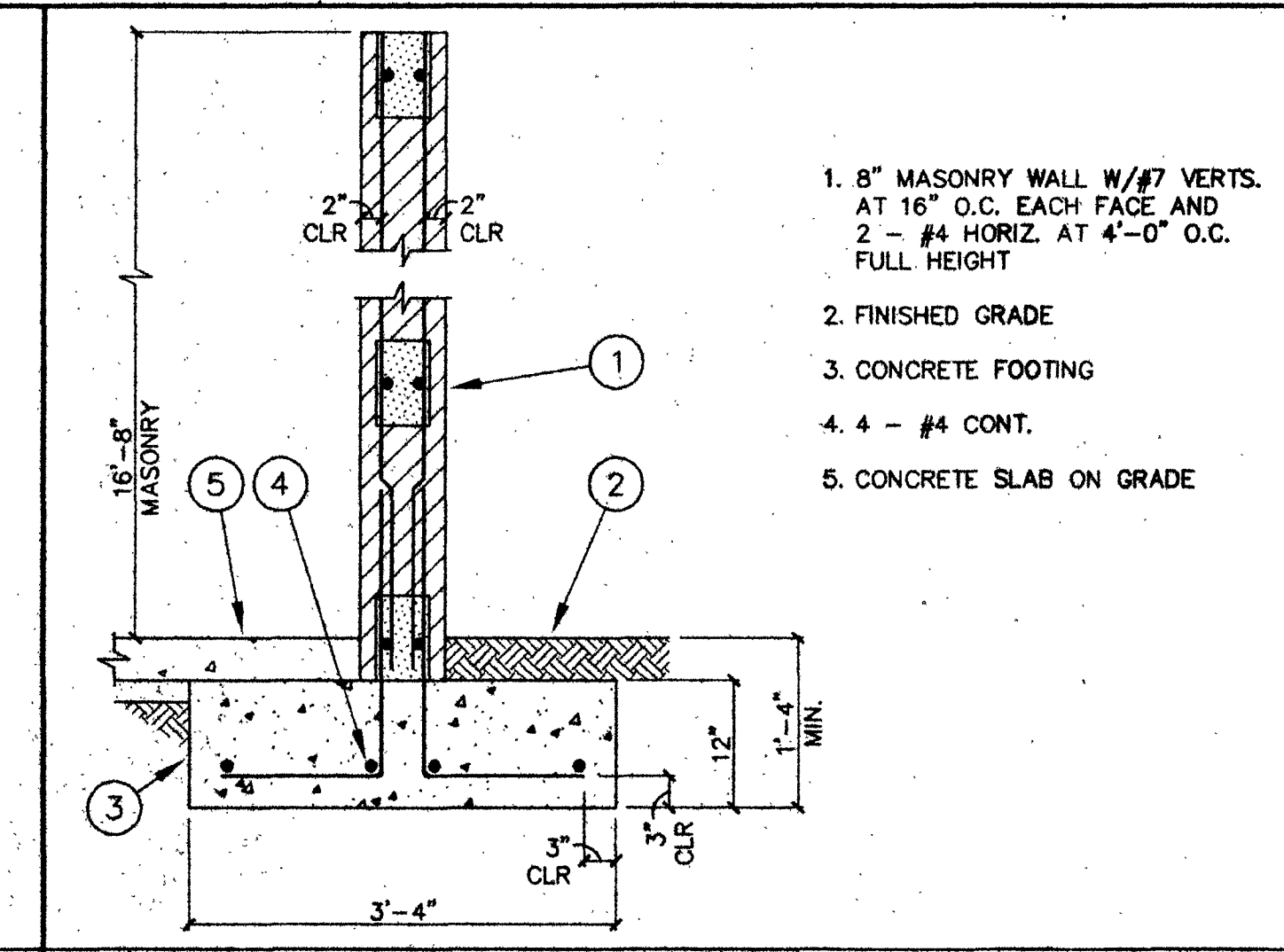


1. STEEL COLUMN
2. CLOSURE POUR
3. DOUBLE NUTS
4. CONSTRUCTION JOINT
5. REINFORCING CONT. THROUGH CONSTRUCTION JOINT
6. HAIRPIN DOWEL HOOKED AROUND ANCHOR BOLTS
7. ARCHITECTURAL FLOORING
8. FOR ANCHOR BOLT EMBEDMENT, SEE TYP. DETAIL
9. STEEL COLUMN BY PRE-ENGINEERED METAL BUILDING MFR
10. WELD W/ $\phi 1/4"$

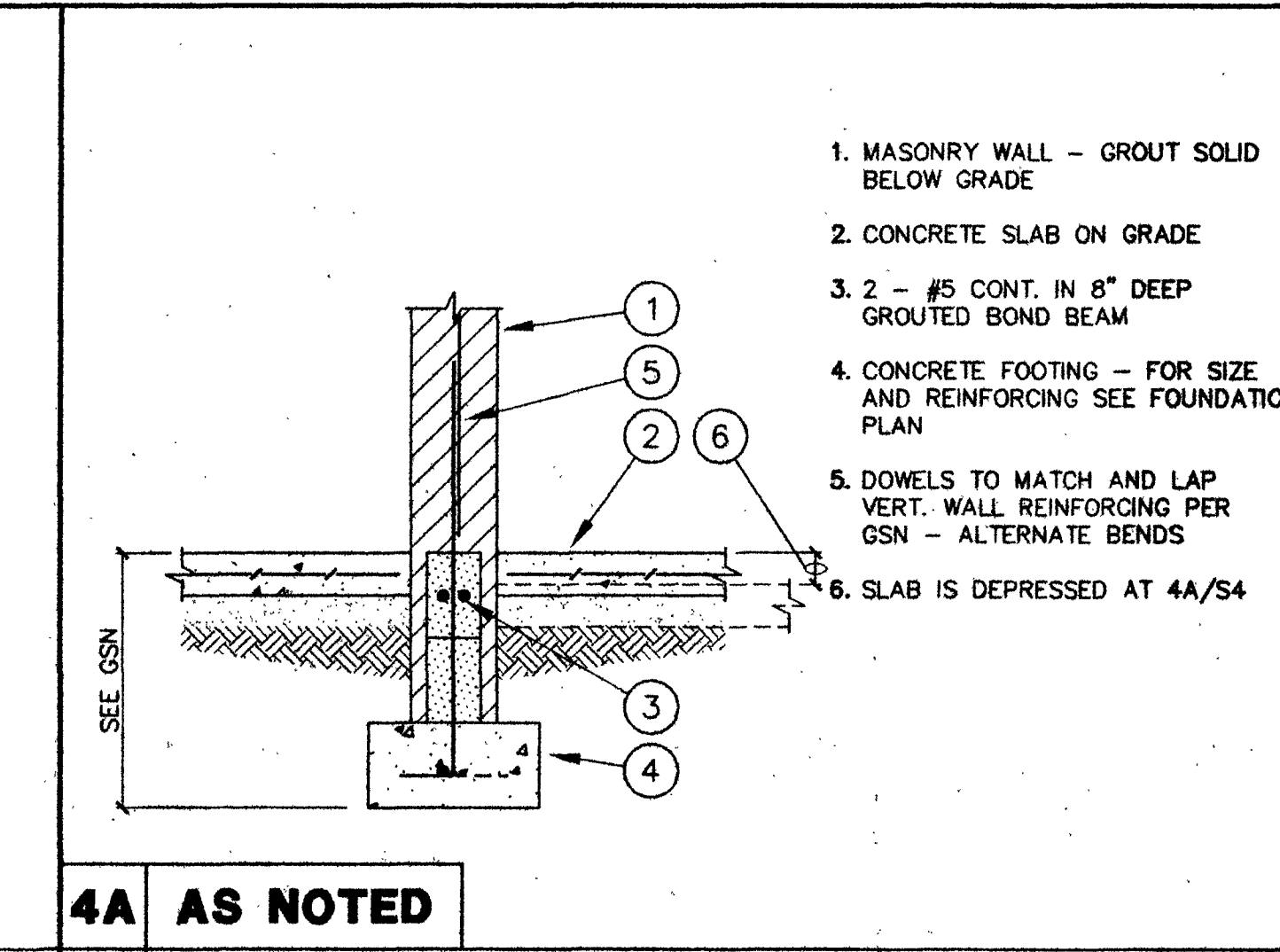
NOTE: BEARING PLATE IS OFFSET AT PIPE COLUMN.



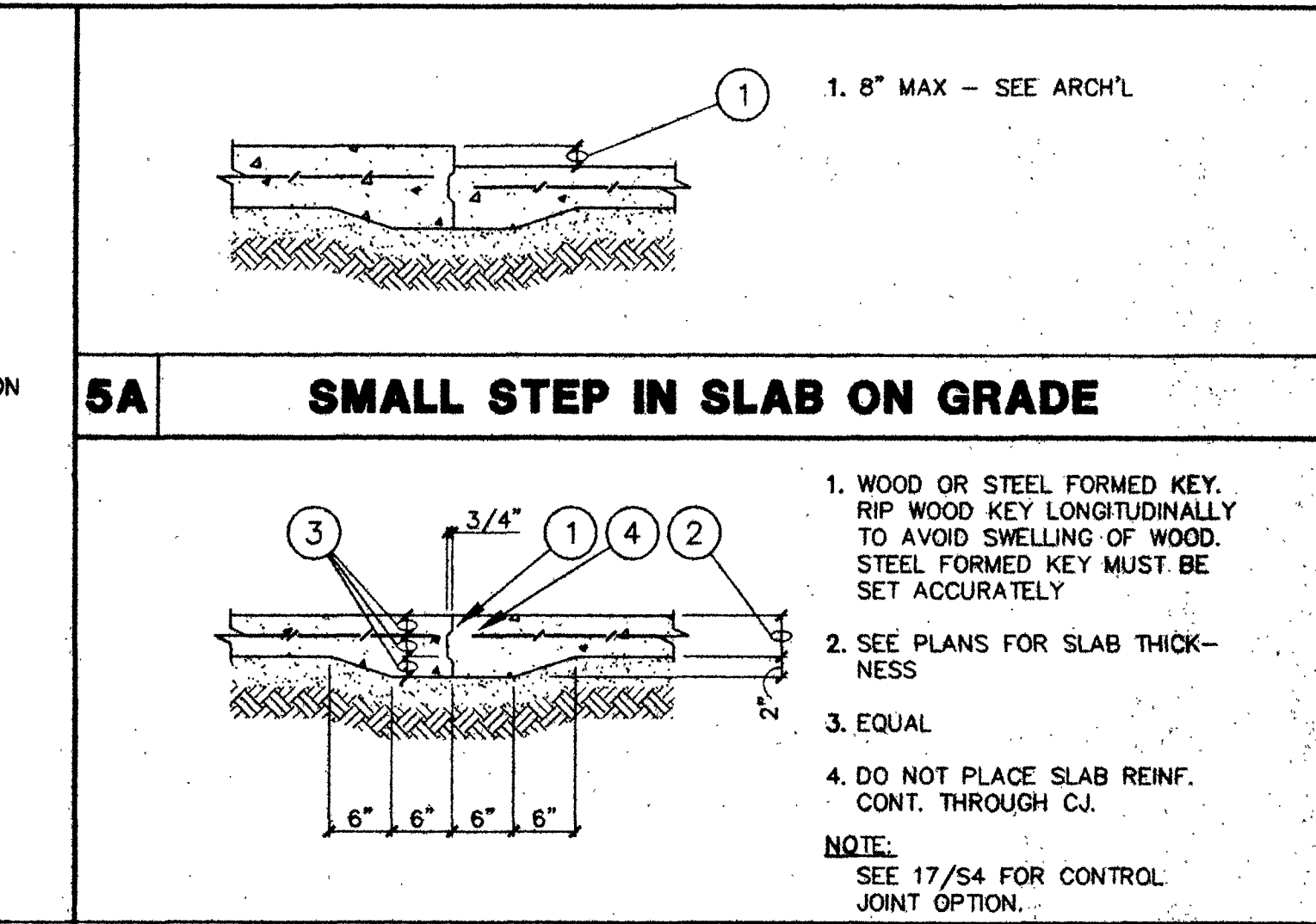
1. FINISHED GRADE
2. REINFORCING CONT. FROM BEYOND
3. GROUT MASONRY SOLID BELOW GRADE
4. CONCRETE FOOTING - FOR SIZE AND REINFORCING SEE FOUNDATION PLAN
5. MASONRY WALL BEYOND
6. CONCRETE SLAB ON GRADE
7. DEPRESS STEM WALL 8" MIN.



1. 8" MASONRY WALL W/ #7 VERTS. AT 16" O.C. EACH FACE AND 2 - #4 HORIZ. AT 4'-0" O.C. FULL HEIGHT
2. FINISHED GRADE
3. CONCRETE FOOTING
4. 4 - #4 CONT.
5. CONCRETE SLAB ON GRADE



1. MASONRY WALL - GROUT SOLID BELOW GRADE
2. CONCRETE SLAB ON GRADE
3. 2 - #5 CONT. IN 8" DEEP GROUDED BOND BEAM
4. CONCRETE FOOTING - FOR SIZE AND REINFORCING SEE FOUNDATION PLAN
5. DOWELS TO MATCH AND LAP VERT. WALL REINFORCING PER GSN - ALTERNATE BENDS
6. SLAB IS DEPRESSED AT 4A/S4



1. WOOD OR STEEL FORMED KEY, RIP WOOD KEY LONGITUDINALLY TO AVOID SWELLING OF WOOD. STEEL FORMED KEY MUST BE SET ACCURATELY.
 2. SEE PLANS FOR SLAB THICKNESS
 3. EQUAL
 4. DO NOT PLACE SLAB REINF. CONT. THROUGH CJ.
- NOTE: SEE 17/S4 FOR CONTROL JOINT OPTION.

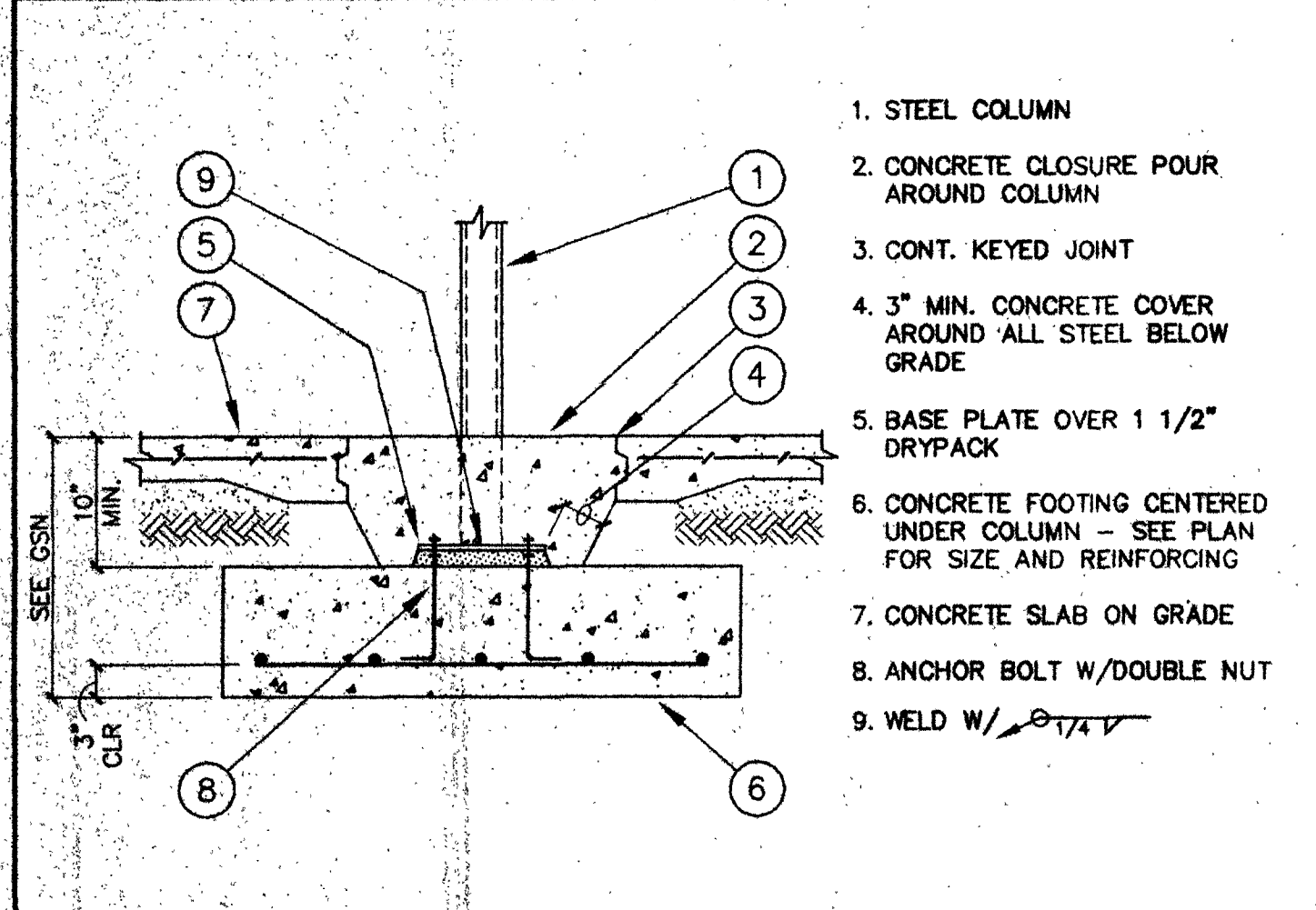
1 STEEL COLUMNS AT FOOTING 9352201

2 MASONRY WALL FOOTING AT OPENING 9352202

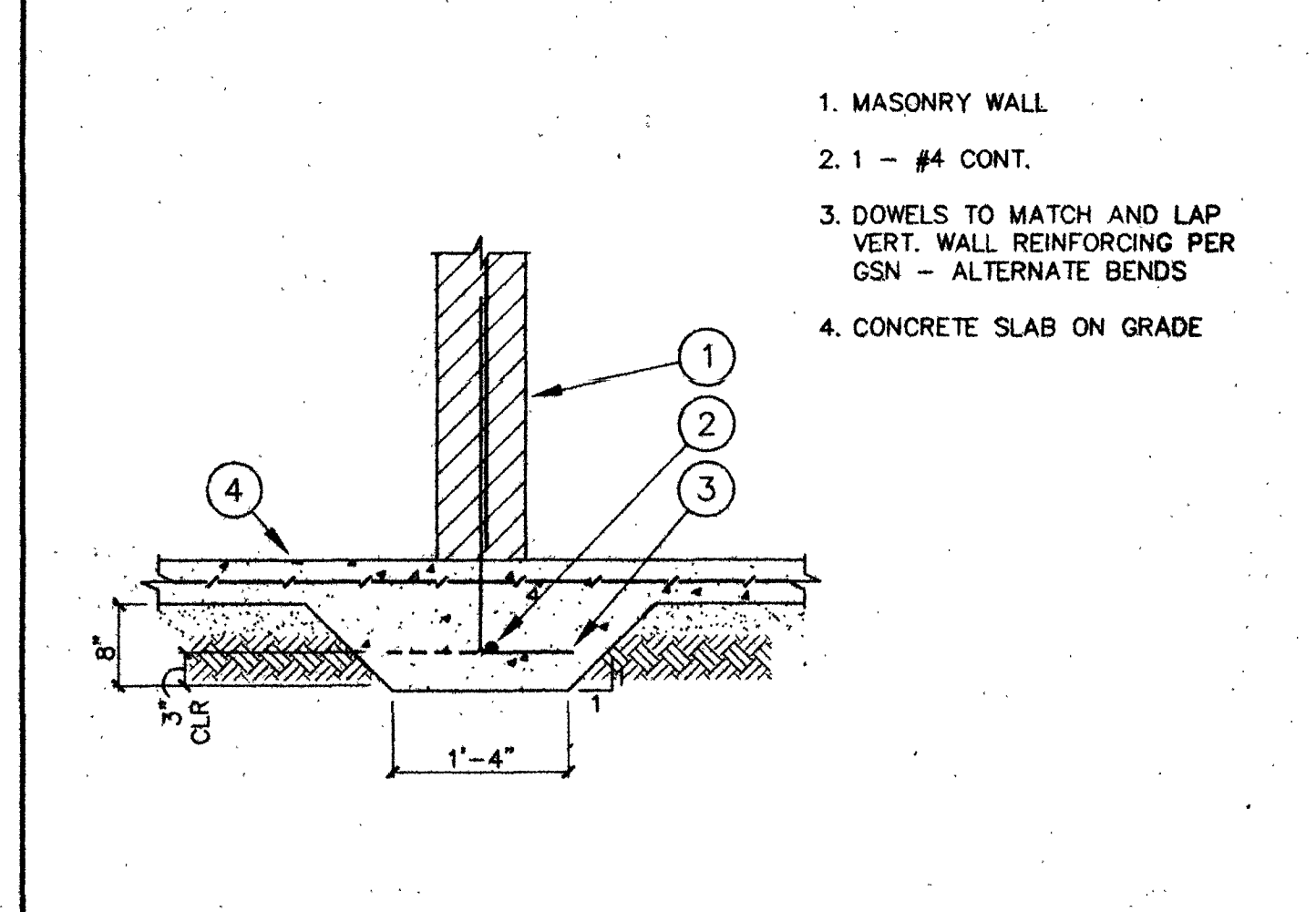
3 MECHANICAL ROOM WALL 9352203

4 TYP. INTERIOR MASONRY WALL FOOTING 9352204

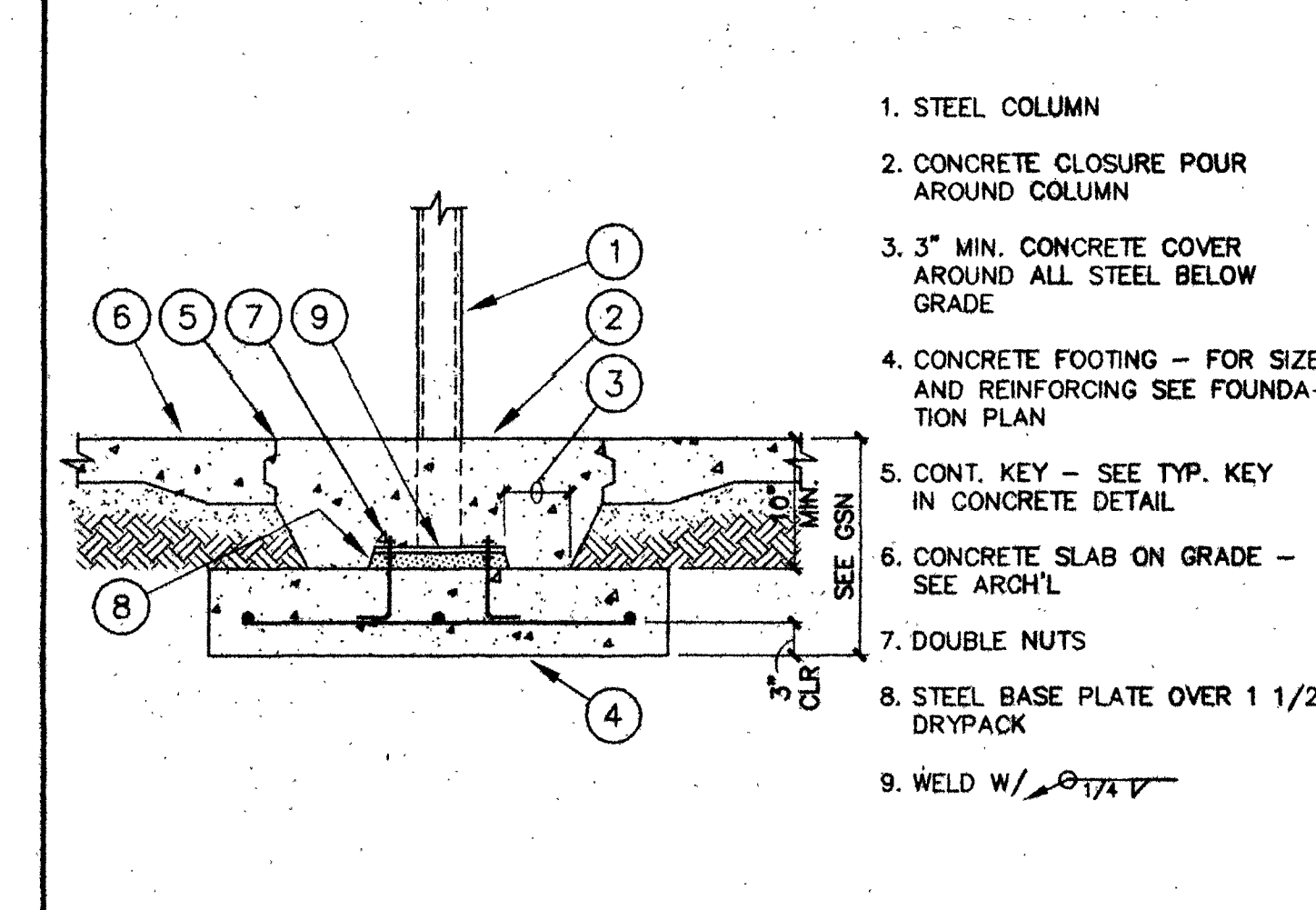
5 TYPICAL CJ IN SLAB ON GRADE 9352205



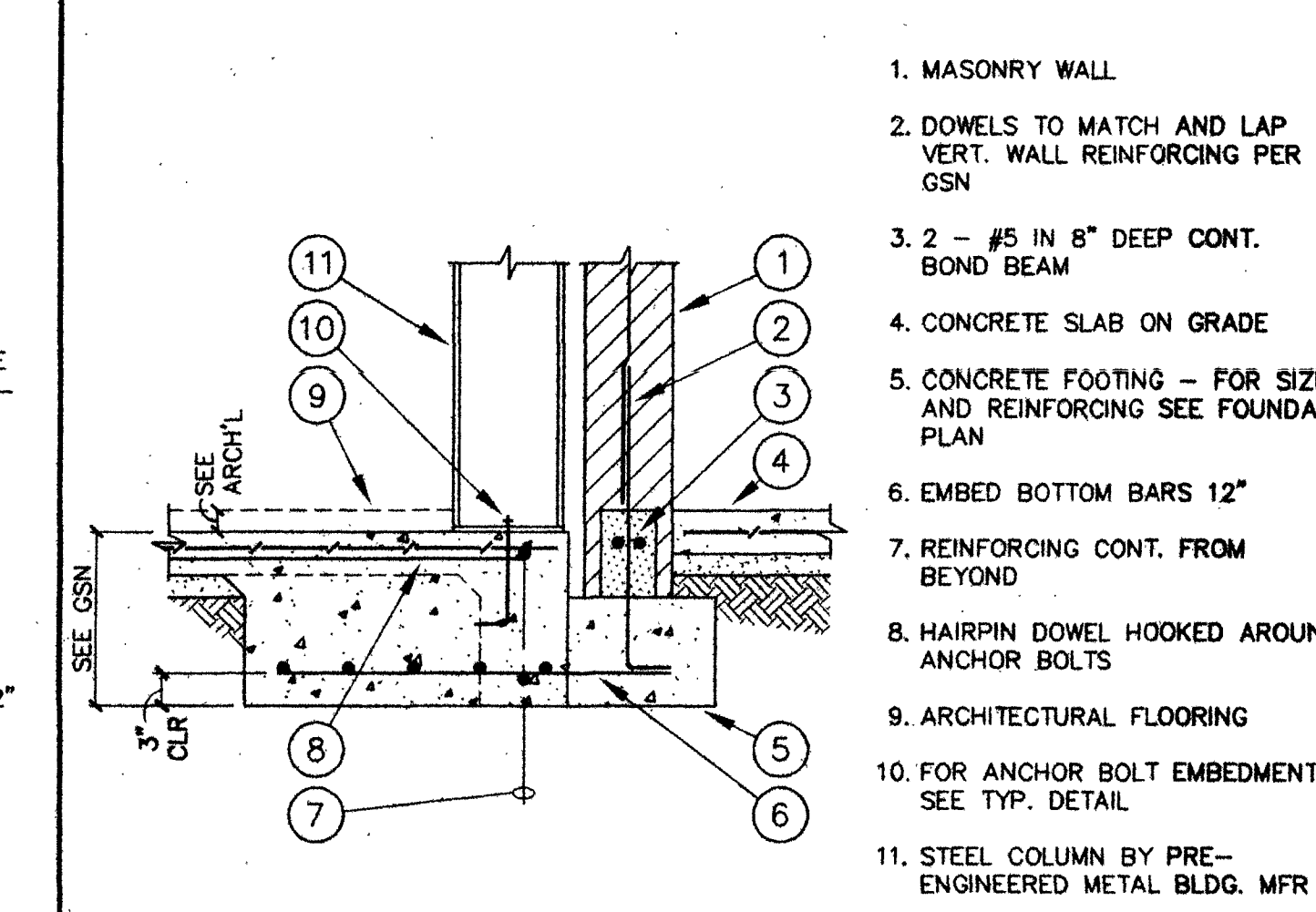
1. STEEL COLUMN
2. CONCRETE CLOSURE POUR AROUND COLUMN
3. CONT. KEYED JOINT
4. 3" MIN. CONCRETE COVER AROUND ALL STEEL BELOW GRADE
5. BASE PLATE OVER 1 1/2" DRYPACK
6. CONCRETE FOOTING CENTERED UNDER COLUMN - SEE PLAN FOR SIZE AND REINFORCING
7. CONCRETE SLAB ON GRADE
8. ANCHOR BOLT W/ DOUBLE NUT
9. WELD W/ $\phi 1/4"$



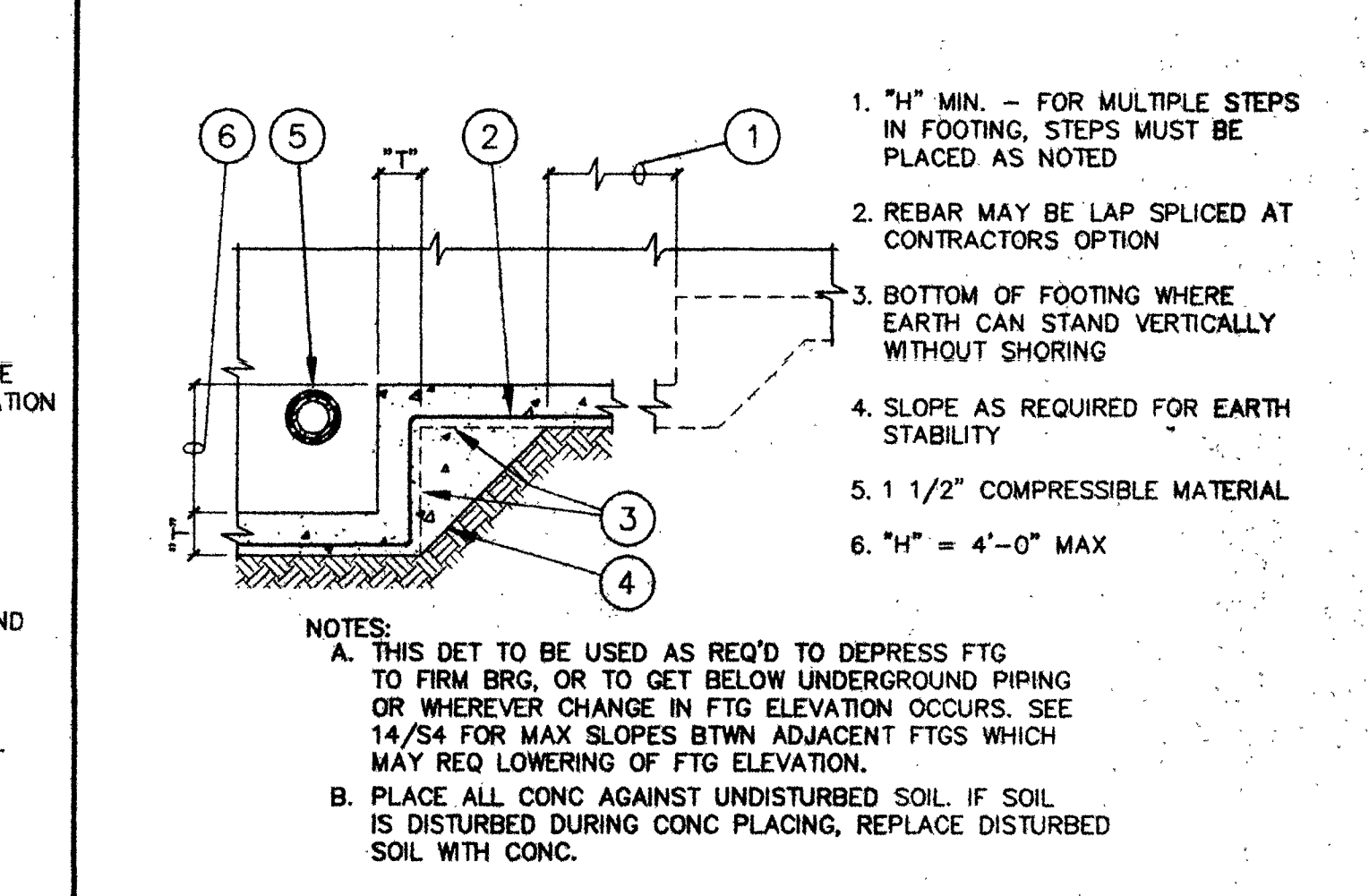
1. MASONRY WALL
2. 1 - #4 CONT.
3. DOWELS TO MATCH AND LAP VERT. WALL REINFORCING PER GSN - ALTERNATE BENDS
4. CONCRETE SLAB ON GRADE



1. STEEL COLUMN
2. CONCRETE CLOSURE POUR AROUND COLUMN
3. 3" MIN. CONCRETE COVER AROUND ALL STEEL BELOW GRADE
4. CONCRETE FOOTING - FOR SIZE AND REINFORCING SEE FOUNDATION PLAN
5. CONT. KEY - SEE TYP. KEY IN CONCRETE DETAIL
6. CONCRETE SLAB ON GRADE - SEE ARCH'L
7. DOUBLE NUTS
8. STEEL BASE PLATE OVER 1 1/2" DRYPACK
9. WELD W/ $\phi 1/4"$



1. MASONRY WALL
2. DOWELS TO MATCH AND LAP VERT. WALL REINFORCING PER GSN
3. 2 - #5 IN 8" DEEP CONT. BOND BEAM
4. CONCRETE SLAB ON GRADE
5. CONCRETE FOOTING - FOR SIZE AND REINFORCING SEE FOUNDATION PLAN
6. EMBED BOTTOM BARS 12"
7. REINFORCING CONT. FROM BEYOND
8. HAIRPIN DOWEL HOOKED AROUND ANCHOR BOLTS
9. ARCHITECTURAL FLOORING
10. FOR ANCHOR BOLT EMBEDMENT SEE TYP. DETAIL
11. STEEL COLUMN BY PRE-ENGINEERED METAL BLDG. MFR



1. "4" MIN. - FOR MULTIPLE STEPS IN FOOTING, STEPS MUST BE PLACED AS NOTED
2. REBAR MAY BE LAP SPliced AT CONTRACTORS OPTION
3. BOTTOM OF FOOTING WHERE EARTH CAN STAND VERTICALLY WITHOUT SHORING
4. SLOPE AS REQUIRED FOR EARTH STABILITY
5. 1 1/2" COMPRESSIBLE MATERIAL
6. "4" = 4'-0" MAX

NOTES:
A. THIS DET. TO BE USED AS REQ'D TO DEPRESS FTG TO FIRM BRG. OR TO GET BELOW UNDERGROUND PIPING OR WHEREVER CHANGE IN FTG ELEVATION OCCURS. SEE 14/S4 FOR MAX SLOPES BTWN ADJACENT FTGS WHICH MAY REQ LOWERING OF FTG ELEVATION.
B. PLACE ALL CONC AGAINST UNDISTURBED SOIL. IF SOIL IS DISTURBED DURING CONC PLACING, REPLACE DISTURBED SOIL WITH CONC.

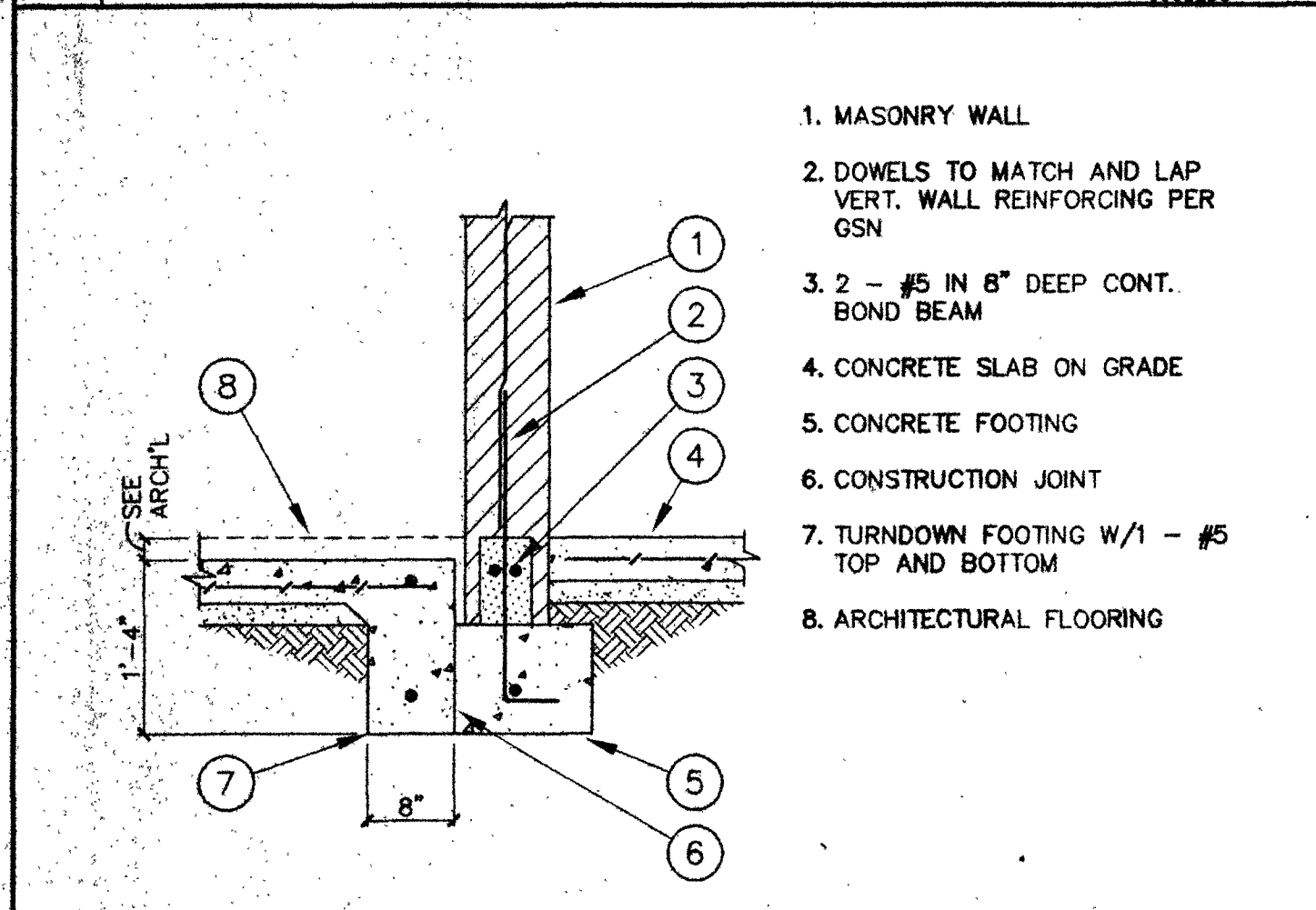
6 INTERIOR STEEL COLUMN FOOTING 9352206

7 THICK. CONC. SLAB AT NON BEARING WALL 9352207

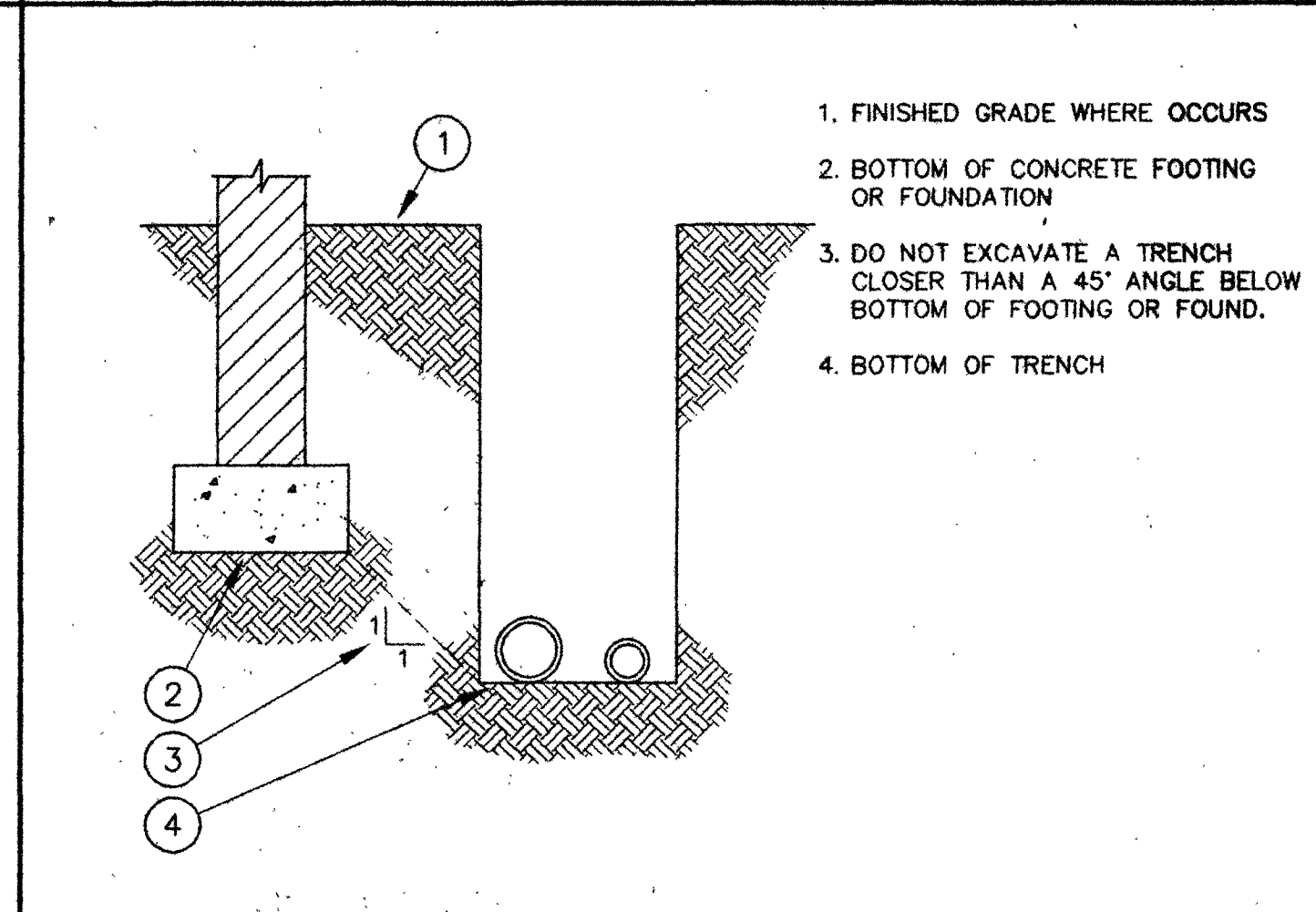
8 EXTERIOR STEEL COLUMN FOOTING 9352208

9 STEEL COLUMN AND WALL FOOTING 9352209

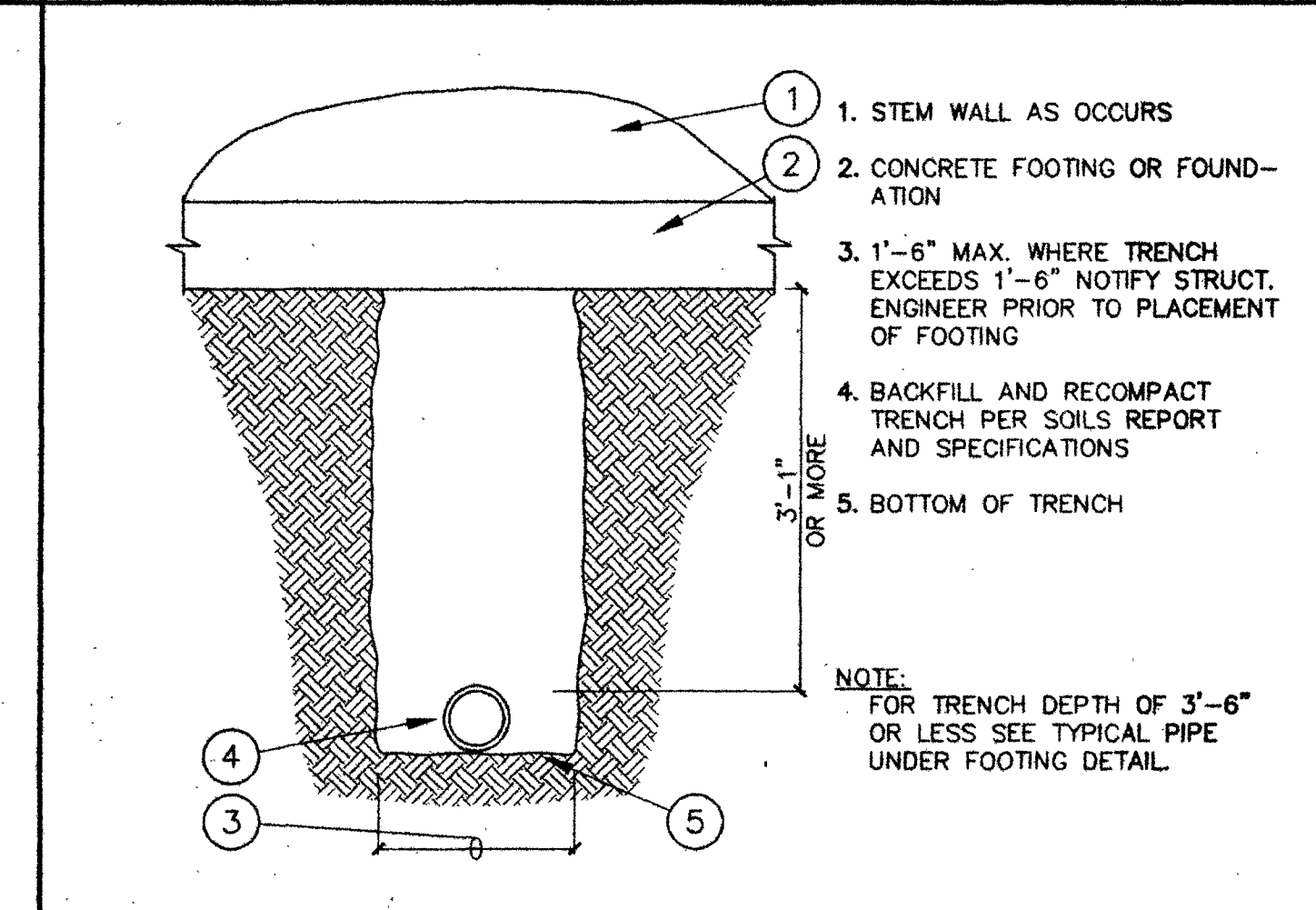
10 STEP IN FOOTING 9352210



1. MASONRY WALL
2. DOWELS TO MATCH AND LAP VERT. WALL REINFORCING PER GSN
3. 2 - #5 IN 8" DEEP CONT. BOND BEAM
4. CONCRETE SLAB ON GRADE
5. CONCRETE FOOTING
6. CONSTRUCTION JOINT
7. TURNDOWN FOOTING W/ 1 - #5 TOP AND BOTTOM
8. ARCHITECTURAL FLOORING

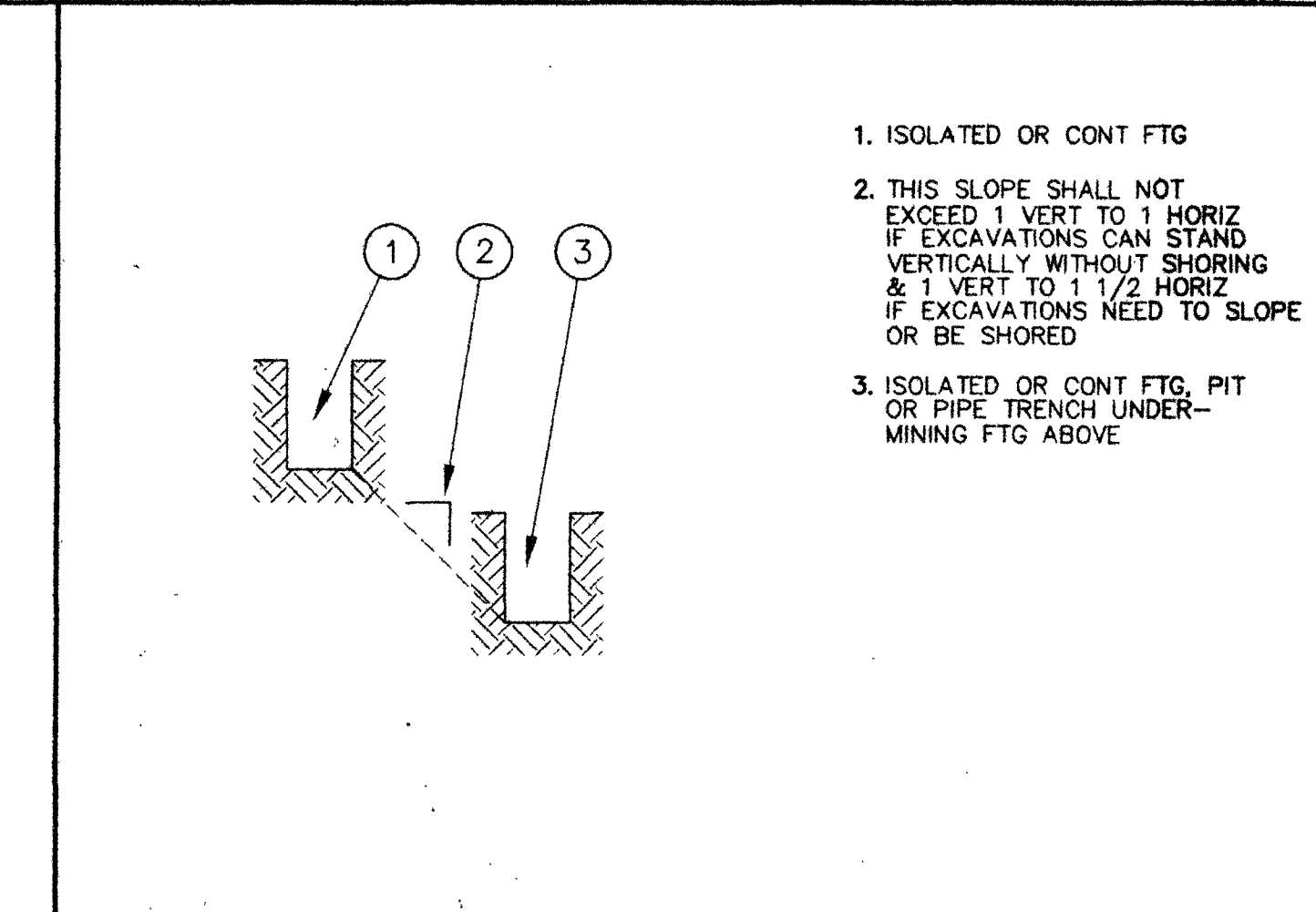


1. FINISHED GRADE WHERE OCCURS
2. BOTTOM OF CONCRETE FOOTING OR FOUNDATION
3. DO NOT EXCAVATE A TRENCH CLOSER THAN A 45° ANGLE BELOW BOTTOM OF FOOTING OR FOUND.
4. BOTTOM OF TRENCH

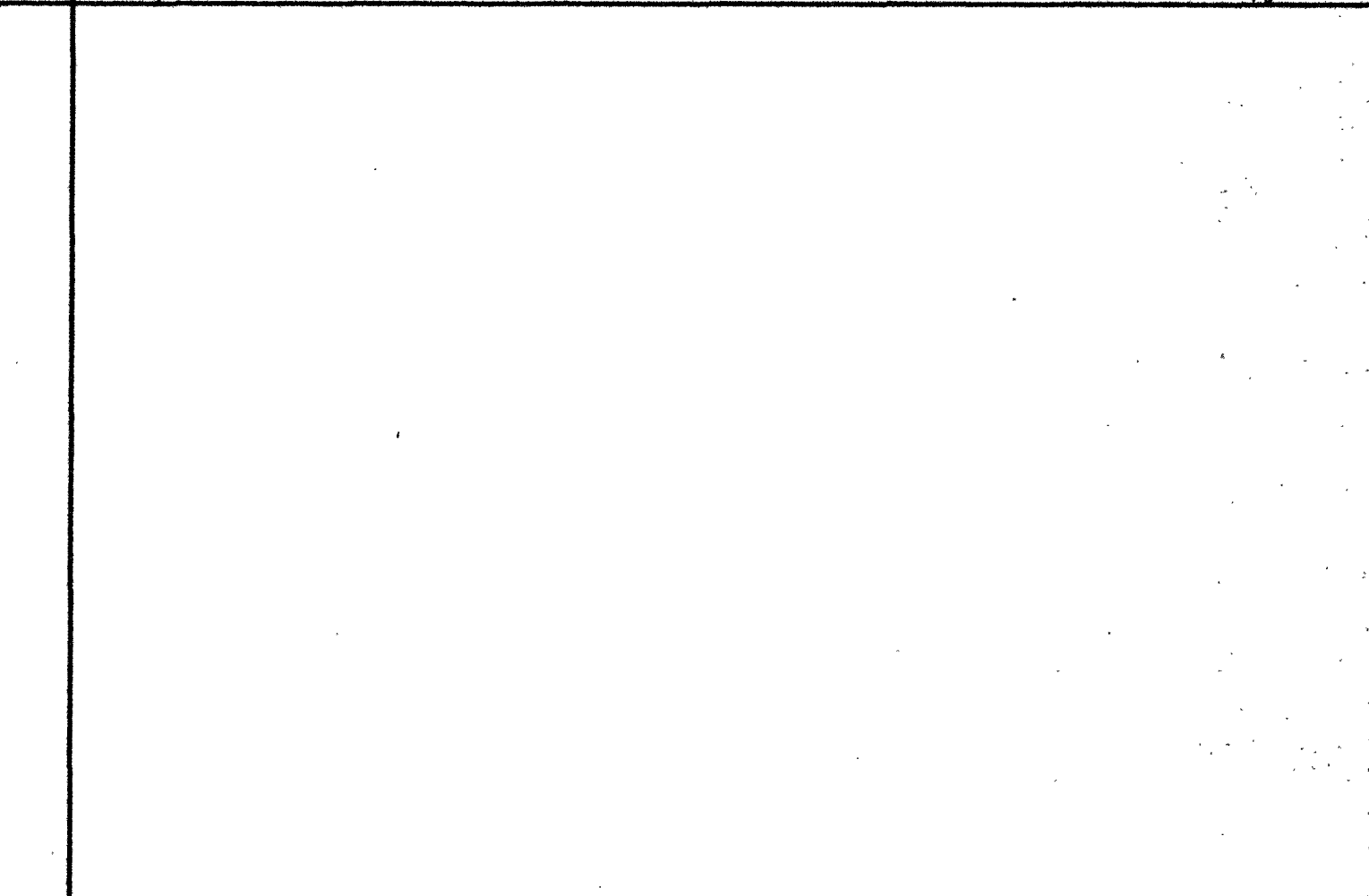


1. STEM WALL AS OCCURS
2. CONCRETE FOOTING OR FOUNDATION
3. 1'-6" MAX. WHERE TRENCH EXCEEDS 1'-6" NOTIFY STRUCT. ENGINEER PRIOR TO PLACEMENT OF FOOTING
4. BACKFILL AND RECOMPACT TRENCH PER SOILS REPORT AND SPECIFICATIONS
5. BOTTOM OF TRENCH

NOTE: FOR TRENCH DEPTH OF 3'-6" OR LESS SEE TYPICAL PIPE UNDER FOOTING DETAIL.



1. ISOLATED OR CONT FTG
2. THIS SLOPE SHALL NOT EXCEED 1 VERT TO 1 HORIZ IF EXCAVATIONS CAN STAND VERTICALLY WITHOUT SHORING & 1 VERT TO 1 1/2 HORIZ IF EXCAVATIONS NEED TO SLOPE OR BE SHORED
3. ISOLATED OR CONT FTG PIT OR PIPE TRENCH UNDERMINING FTG ABOVE



1. MASONRY WALL - GROUT SOLID BELOW GRADE
2. CONCRETE SLAB ON GRADE
3. 2 - #5 CONT. IN 8" DEEP GROUDED BOND BEAM
4. CONCRETE FOOTING
5. DOWELS TO MATCH AND LAP VERT. WALL REINFORCING PER GSN - ALTERNATE BENDS
6. FINISHED GRADE

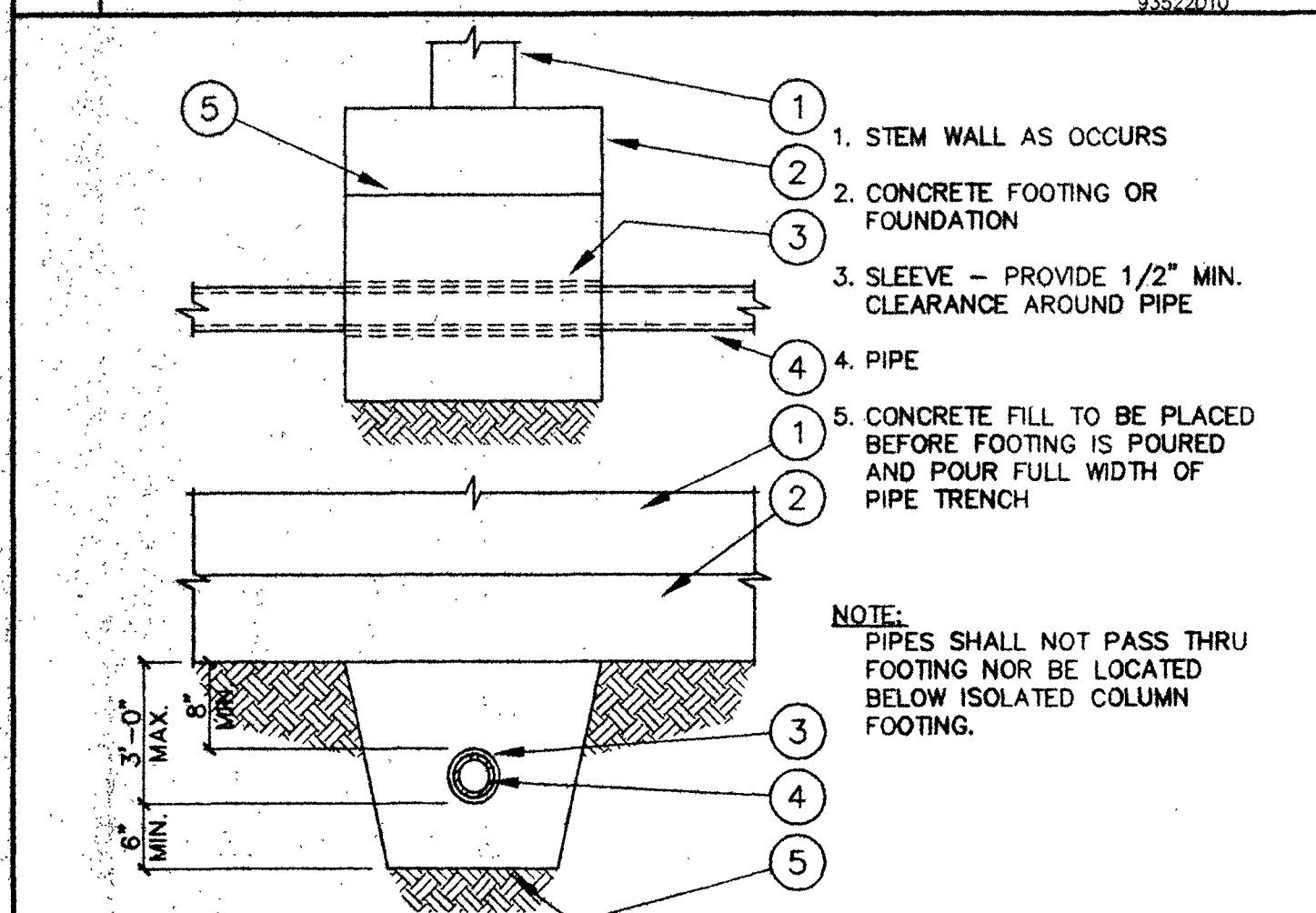
11 MASONRY WALL FOOTING 9352211

12 TRENCH PARALLEL TO FOUNDATION 9352212

13 PIPE PASSING BELOW CONT. FOOTING 9352213

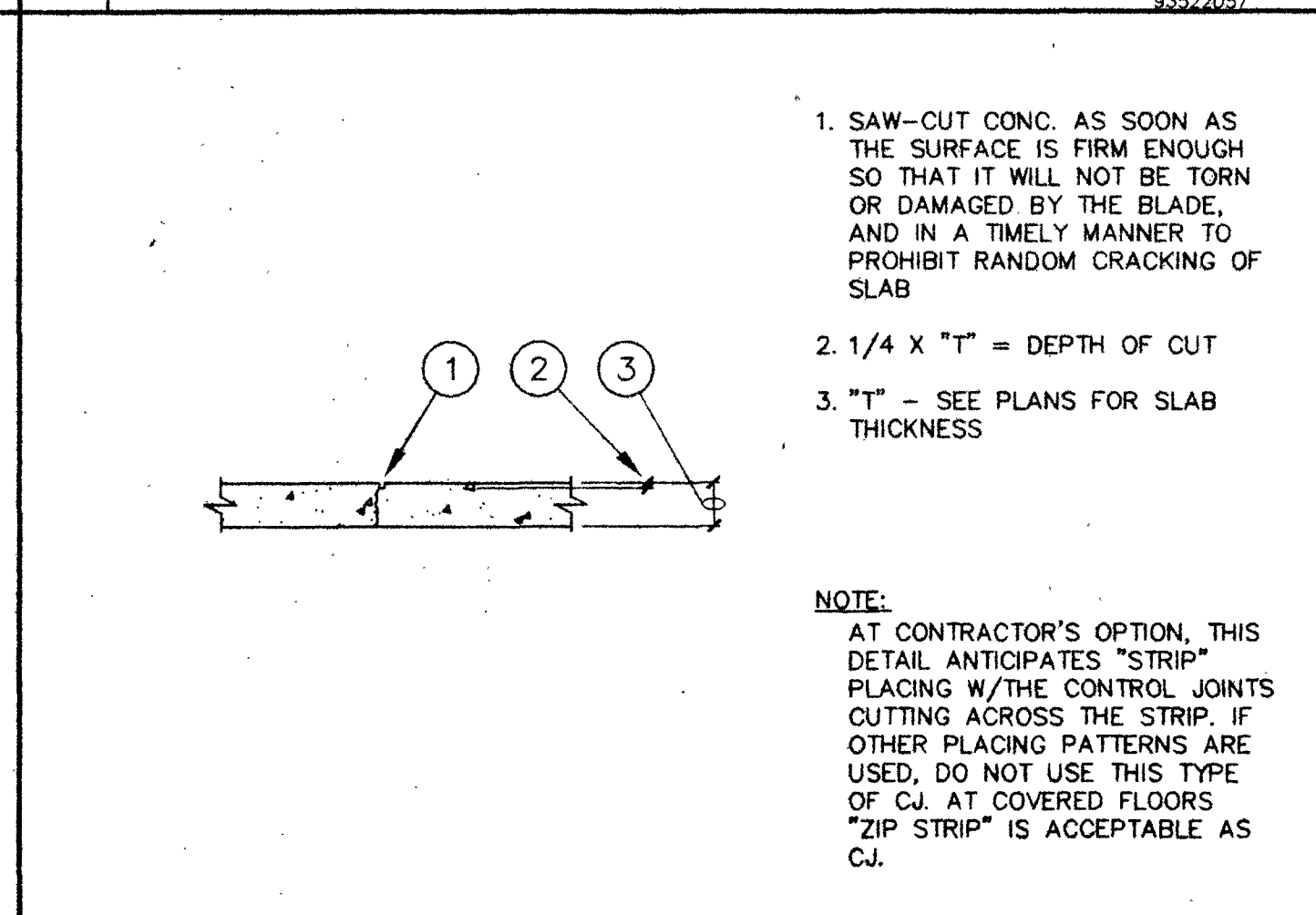
14 MAX SLOPES BTWN ADJAC EXCAVATIONS 9352214

15 STEEL COLUMN AND WALL FOOTING 9352215



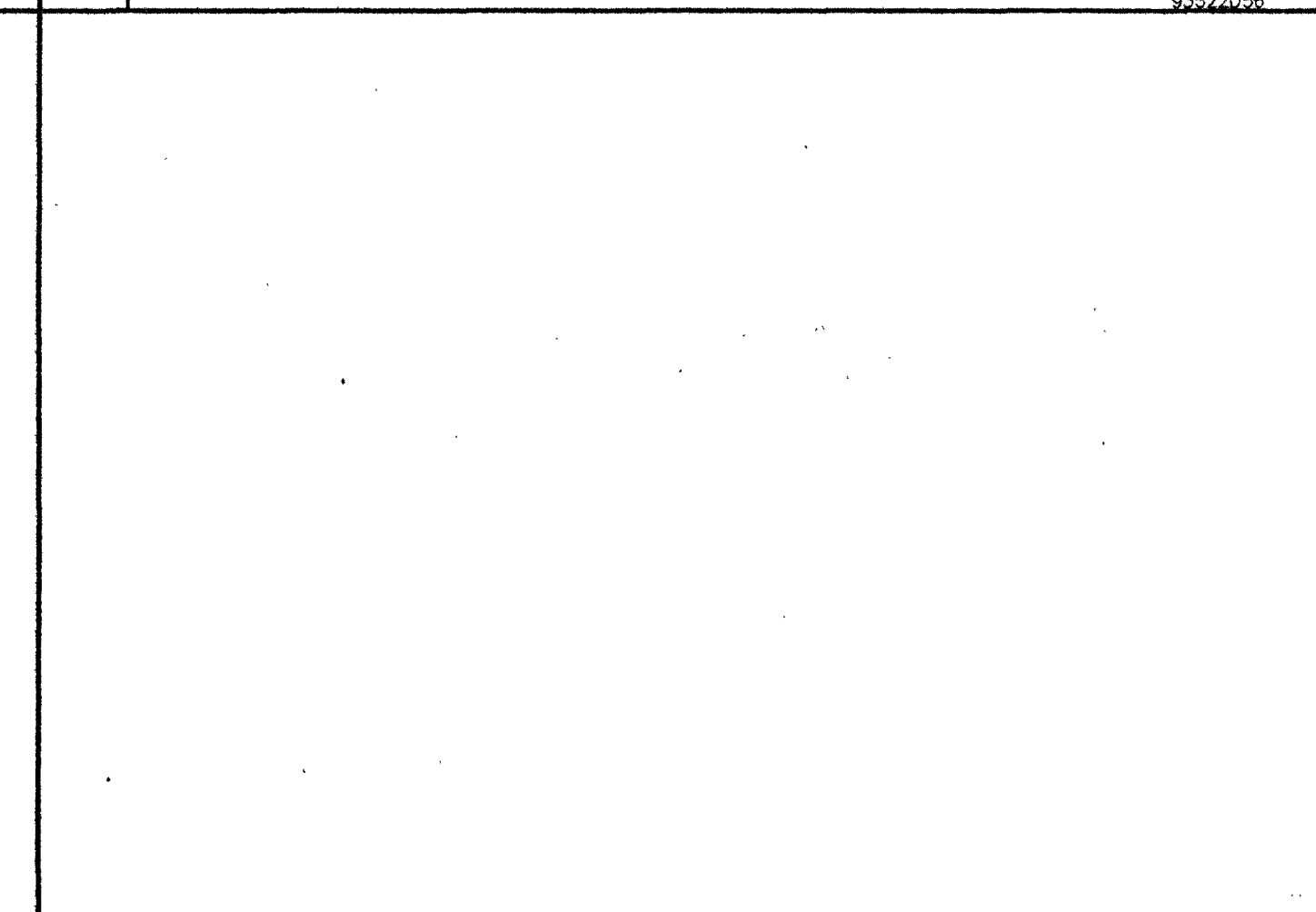
1. STEM WALL AS OCCURS
2. CONCRETE FOOTING OR FOUNDATION
3. SLEEVE - PROVIDE 1/2" MIN. CLEARANCE AROUND PIPE
4. PIPE
5. CONCRETE FULL TO BE PLACED BEFORE FOOTING IS POURED AND POUR FULL WIDTH OF PIPE TRENCH

NOTE: PIPES SHALL NOT PASS THRU FOOTING NOR BE LOCATED BELOW ISOLATED COLUMN FOOTING.

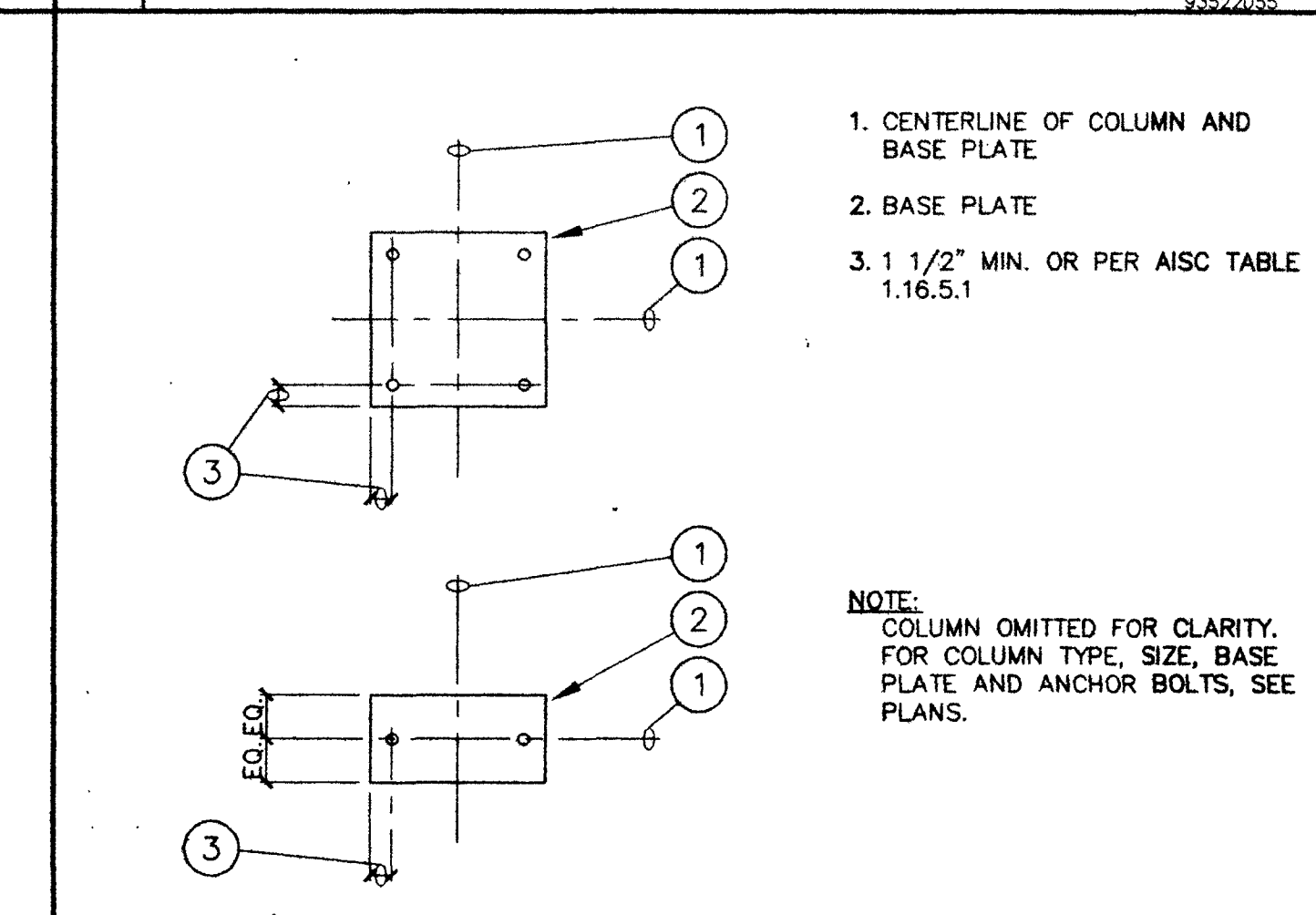


1. SAW-CUT CONC. AS SOON AS THE SURFACE IS FIRM ENOUGH SO THAT IT WILL NOT BE TORN OR DAMAGED BY THE BLADE, AND IN A TIMELY MANNER TO PROHIBIT RANDOM CRACKING OF SLAB
2. 1/4 X "T" = DEPTH OF CUT
3. "T" - SEE PLANS FOR SLAB THICKNESS

NOTE: AT CONTRACTOR'S OPTION, THIS DETAIL ANTICIPATES "STRIP" PLACING W/ THE CONTROL JOINTS CUTTING ACROSS THE STRIP. IF OTHER PLACING PATTERNS ARE USED, DO NOT USE THIS TYPE OF CJ. AT COVERED FLOORS "ZIP STRIP" IS ACCEPTABLE AS CJ.

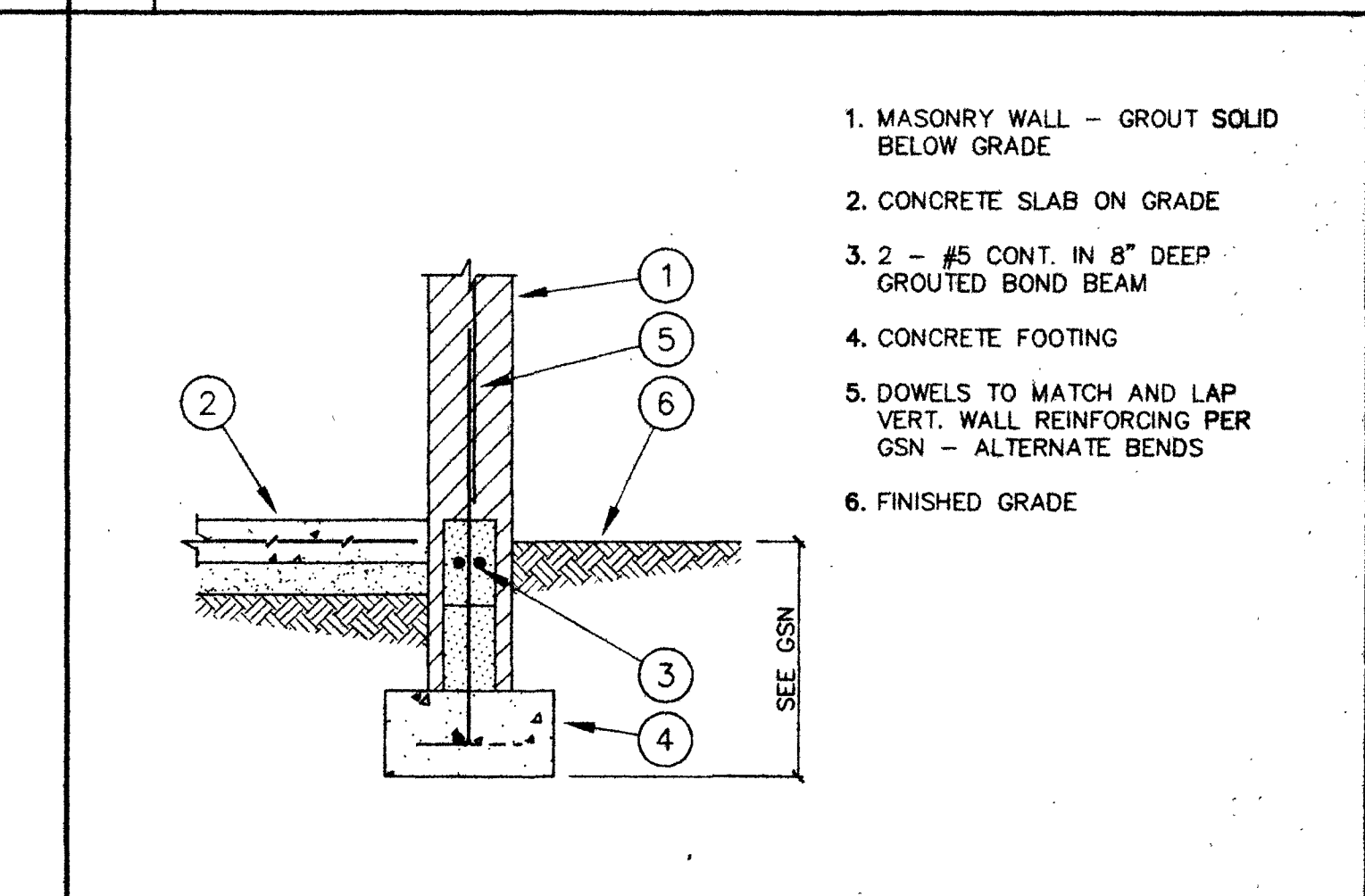


1. MASONRY WALL
2. DOWELS TO MATCH AND LAP VERT. WALL REINF PER GSN
3. CONCRETE SLAB ON GRADE
4. FINISHED GRADE
5. CONT. CONCRETE FOOTING W/ 2 - #4
6. MASONRY VENEER - SEE ARCH'L
7. CONT. HORIZ. REINFORCING - DIAPHRAGM WALL LADDER-EYE W/ #9 SIDE RODS. SPACE REINFORCING AT 16" O.C. FULL HEIGHT OF VENEER WALL.



1. CENTERLINE OF COLUMN AND BASE PLATE
2. BASE PLATE
3. 1 1/2" MIN. OR PER AISC TABLE 1.16.5.1

NOTE: COLUMN OMITTED FOR CLARITY. FOR COLUMN TYPE, SIZE, BASE PLATE AND ANCHOR BOLTS, SEE PLANS.



1. MASONRY WALL - GROUT SOLID BELOW GRADE
2. CONCRETE SLAB ON GRADE
3. 2 - #5 CONT. IN 8" DEEP GROUDED BOND BEAM
4. CONCRETE FOOTING
5. DOWELS TO MATCH AND LAP VERT. WALL REINFORCING PER GSN - ALTERNATE BENDS
6. FINISHED GRADE

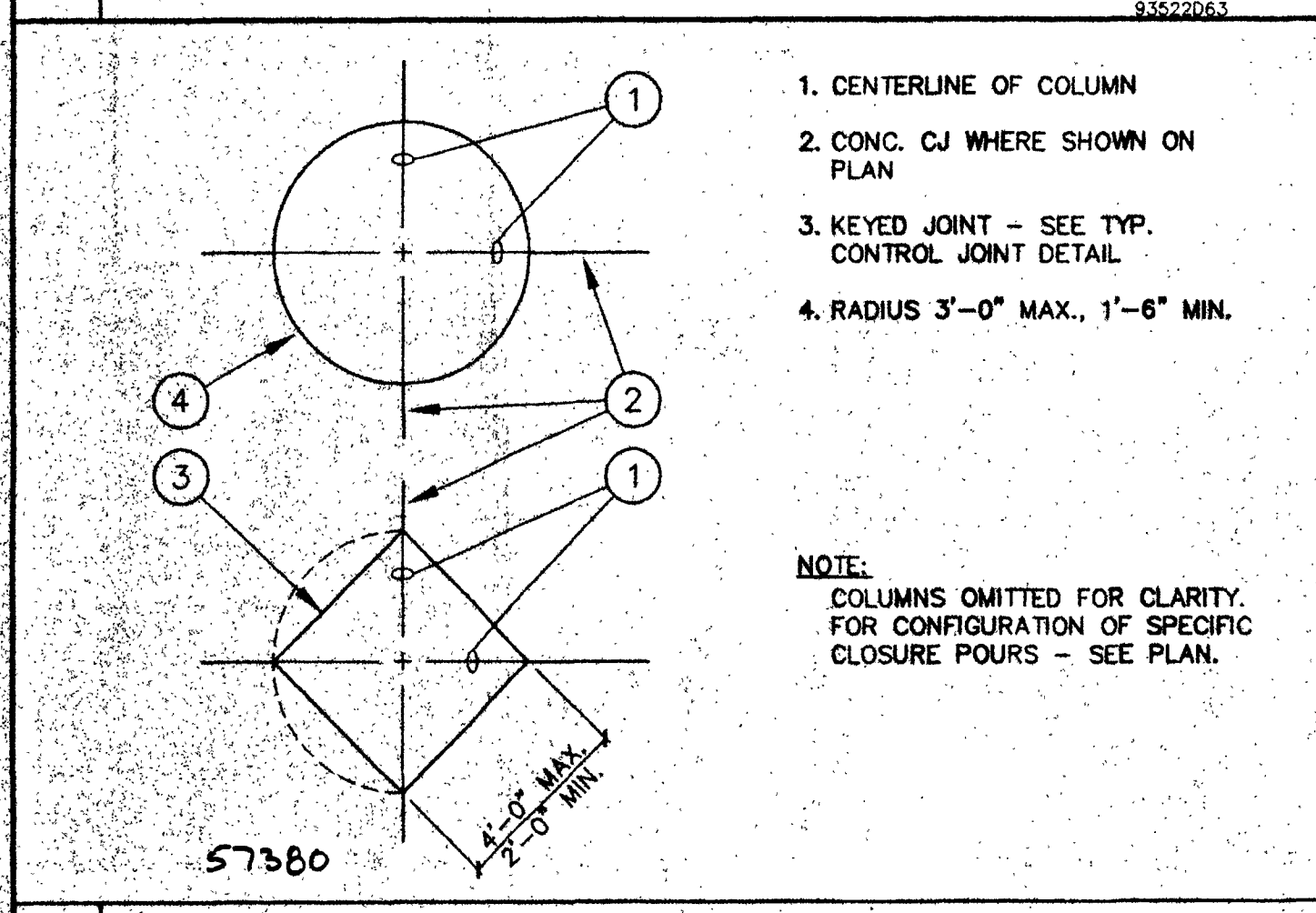
16 PIPE PASSING UNDER CONT. FOOTING 9352216

17 TYPICAL CJ OPTION IN SLAB 9352217

18 MASONRY WALL AT TURNDOWN 9352218

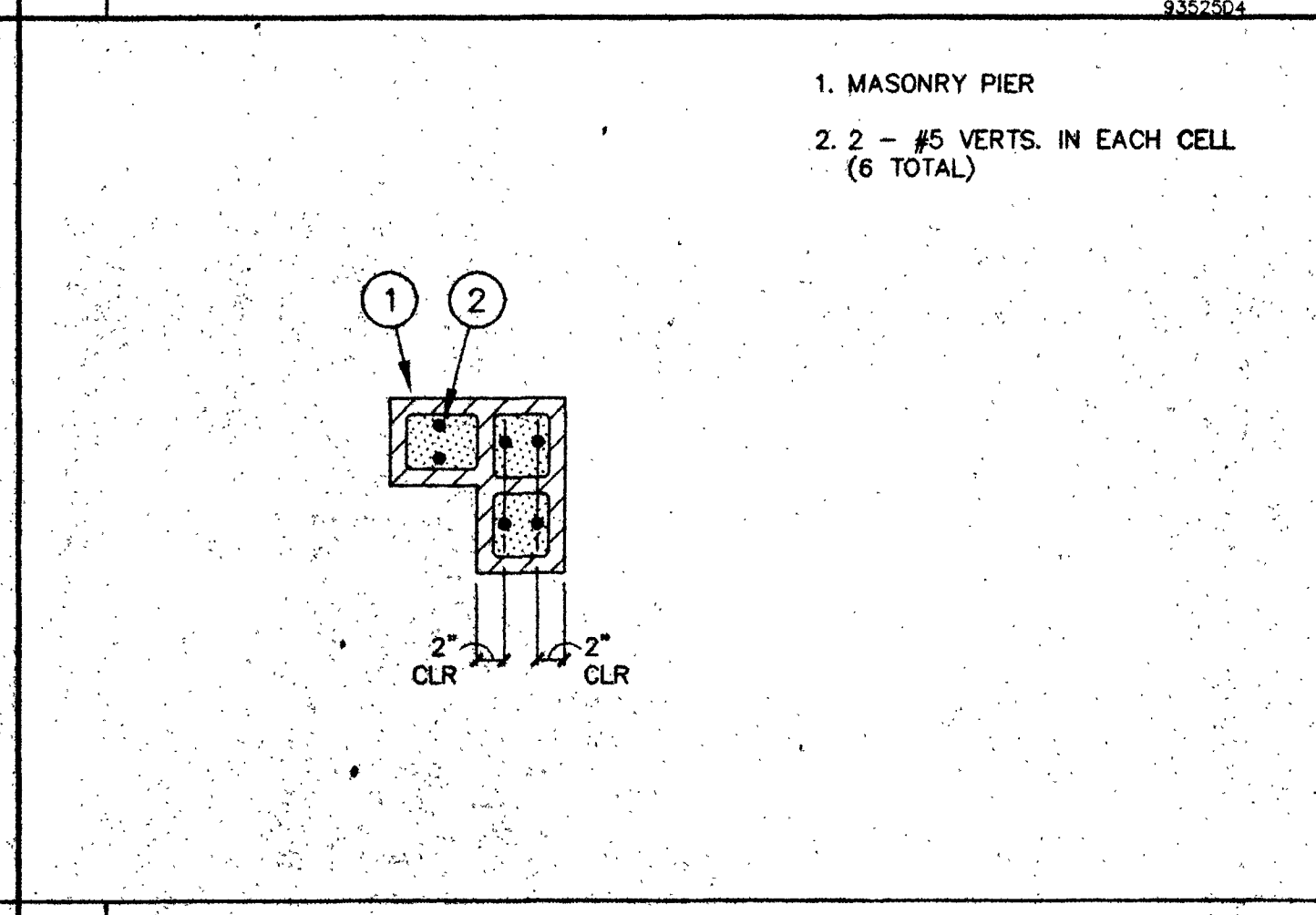
19 PLAN - TYPICAL STL. COL. BASE PLATE 9352219

20 TYPICAL EXT. MASONRY WALL FOOTING 9352220

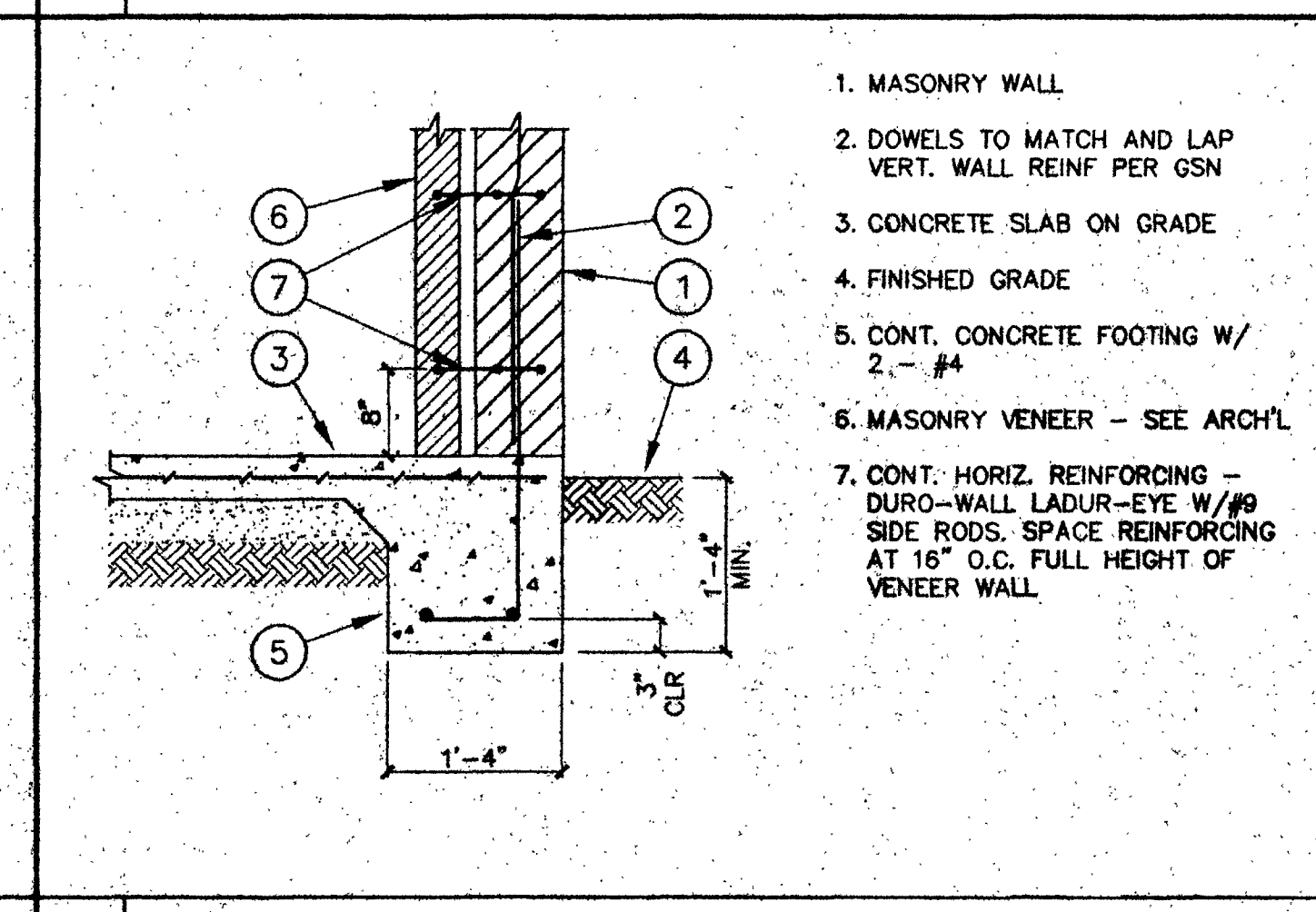


1. CENTERLINE OF COLUMN
2. CONC. CJ WHERE SHOWN ON PLAN
3. KEYED JOINT - SEE TYP. CONTROL JOINT DETAIL
4. RADIUS 3'-0" MAX., 1'-6" MIN.

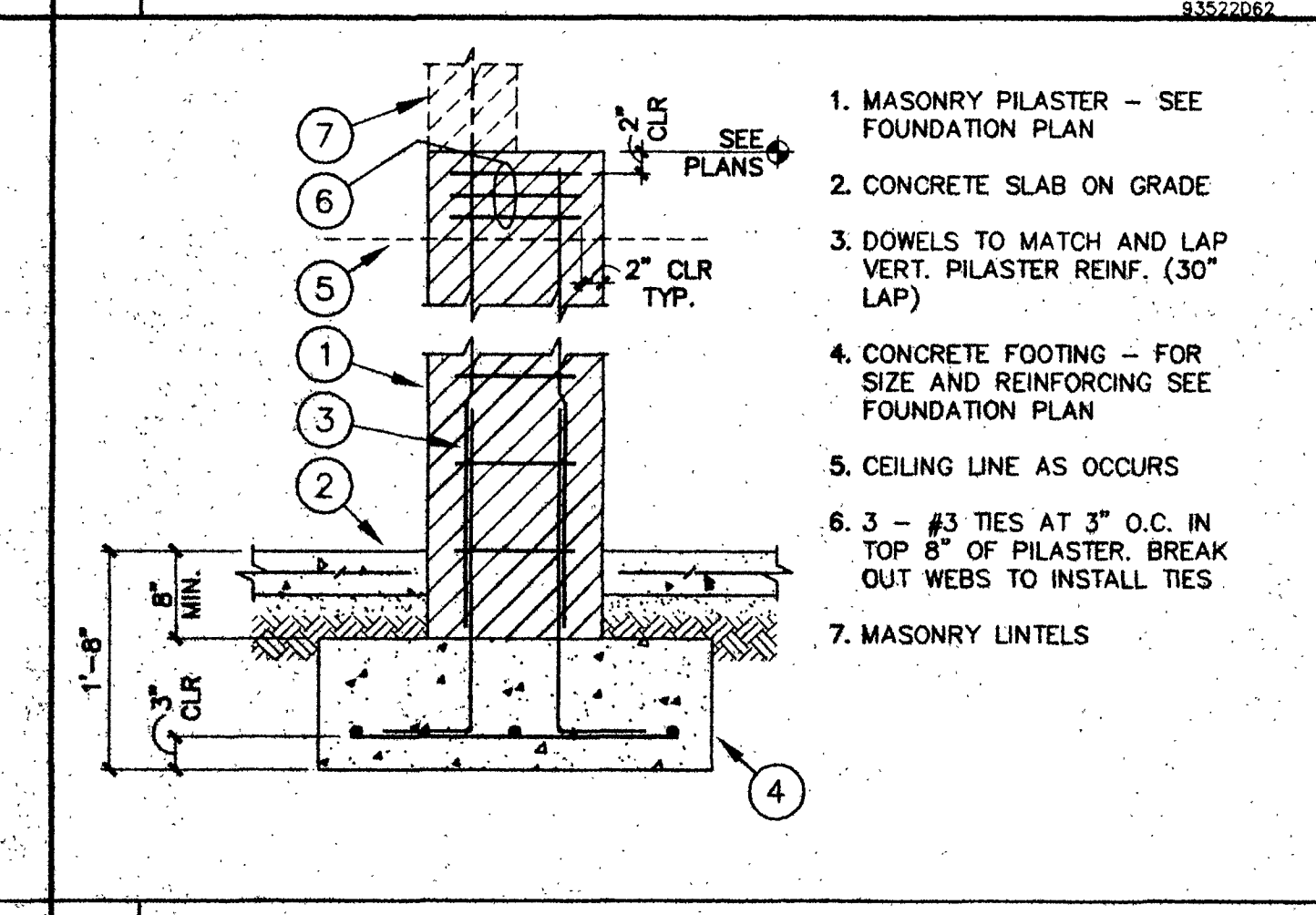
NOTE: COLUMNS OMITTED FOR CLARITY. FOR CONFIGURATION OF SPECIFIC CLOSURE POURS - SEE PLAN.



1. MASONRY PIER
2. 2 - #5 VERTS. IN EACH CELL (6 TOTAL)



1. MASONRY WALL
2. DOWELS TO MATCH AND LAP VERT. WALL REINF PER GSN
3. CONCRETE SLAB ON GRADE
4. FINISHED GRADE
5. CONT. CONCRETE FOOTING W/ 2 - #4
6. MASONRY VENEER - SEE ARCH'L
7. CONT. HORIZ. REINFORCING - DIAPHRAGM WALL LADDER-EYE W/ #9 SIDE RODS. SPACE REINFORCING AT 16" O.C. FULL HEIGHT OF VENEER WALL.



1. MASONRY PILASTER - SEE FOUNDATION PLAN
2. CONCRETE SLAB ON GRADE
3. DOWELS TO MATCH AND LAP VERT. PILASTER REINF. (30° LAP)
4. CONCRETE FOOTING - FOR SIZE AND REINFORCING SEE FOUNDATION PLAN
5. CEILING LINE AS OCCURS
6. 3 - #3 TIES AT 3' O.C. IN TOP 8" OF PILASTER BREAK OUT WEBS TO INSTALL TIES
7. MASONRY LINTELS

21 TYP. CLOSURE POUR AT SLAB ON GRADE 9352221

22 PLAN - REINFORCING AT MASONRY PIER 9352222

23 MASONRY WALL AT TURNDOWN 9352223

24 MASONRY PILASTER FOOTING 9352224

DATE	
DESCRIPTION	
REVISION	

DATE	
DESCRIPTION	
REVISION	

WAYNE SCHREINER AIA
THOMAS M. SILVA AIA

1528 WEST QUAKY BLVD.
LAS VEGAS, NV 89102
(702) 885-0077
FAX (702) 885-0087

FOUNDATION DETAILS
CITY OF LAS VEGAS DEPARTMENT OF PARK AND LEISURE ACTIVITIES
THE ARBORS COMMUNITY CENTER - SUMMERLIN
Verify all Dimensions and Conditions at the Site

Sheet Title
Job Title
Job No. 961001(97506)
Date 20, FEB. 1998
Drawn By TT
Check SCG
Sheet S4
671-4B
of 4 of 8

Any use or reproduction of this document or the attached drawings, drawings, or other information, in whole or in part, by any person other than the client, without the written consent of the Engineer, is prohibited. This document and the drawings are the property of the Engineer and shall remain the property of the Engineer. If the drawings are used for any other purpose, the user shall obtain the written consent of the Engineer.

Copyright 1997, HSA ARCHITECTS, INC.

DROTAR-PRINSKI ASSOC.
Consulting Engineers, Inc.
4170 S. DECATUR BLVD. SUITE D-9
LAS VEGAS, NEVADA 89153-2861
Telephone (702) 354-1861
Fax (702) 354-1857