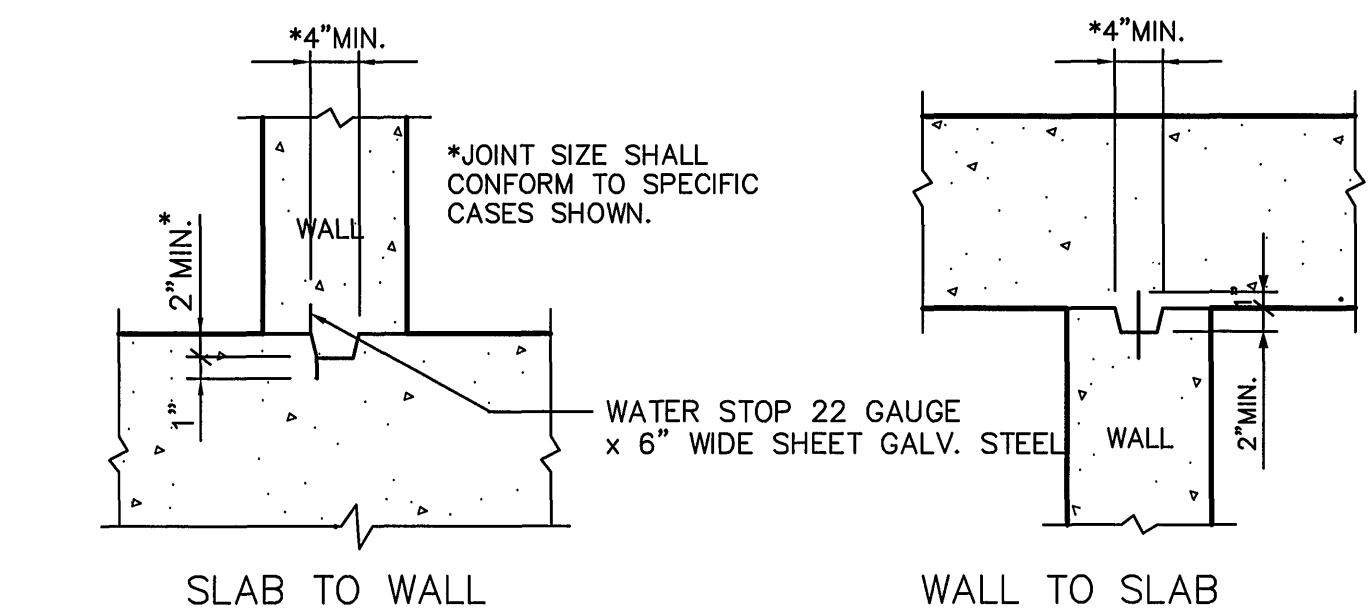
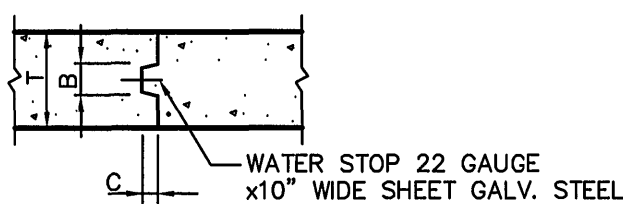




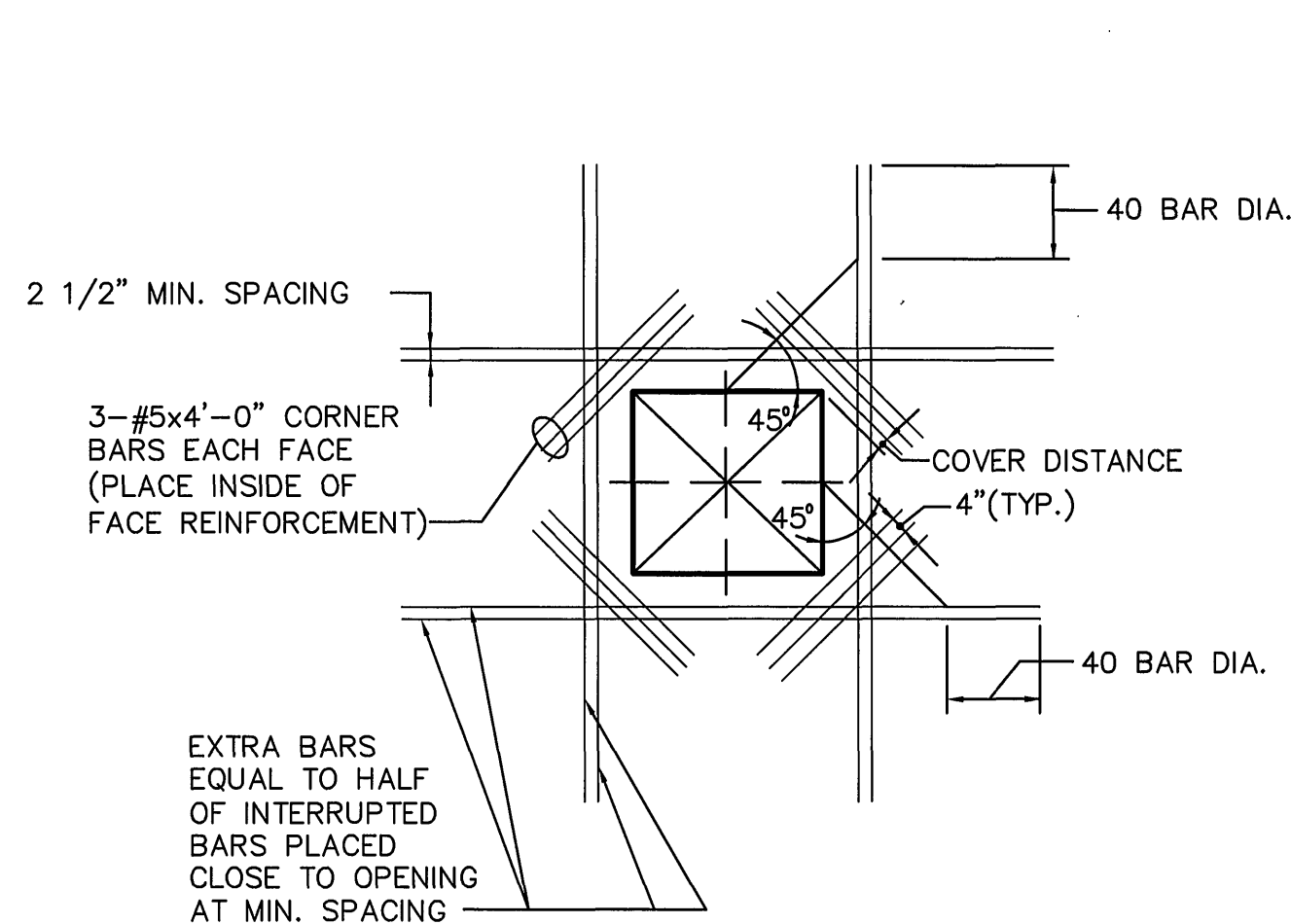
TYP. INTERSECTION CONSTRUCTION JOINT DETAILS
NO SCALE

- NOTES:
1. WATER STOP SHALL BE USED FOR ALL FLOOR TO FLOOR & WALL TO WALL CONSTRUCTION JOINTS.
 2. ALL REINFORCING SHALL BE CONTINUOUS THROUGH JOINTS AS SHOWN IN REINFORCING DETAIL SECTIONS AND PLANS (REINFORCING NOT SHOWN).
 3. WATER STOP SHALL BE PROVIDED IN FLOOR TO WALL INTERSECTION CONSTRUCTION JOINT:
 - a) WHERE WALL IS BETWEEN GROUND AND DRY ROOM OR WATER CONTAINING STRUCTURE AND DRY ROOM.
 - b) ALL WATER CONTAINING STRUCTURE WALLS.
 4. PROVIDE MINIMUM OF 6" OVERLAP AT ALL SPLICES AND SOLDER TIGHT.

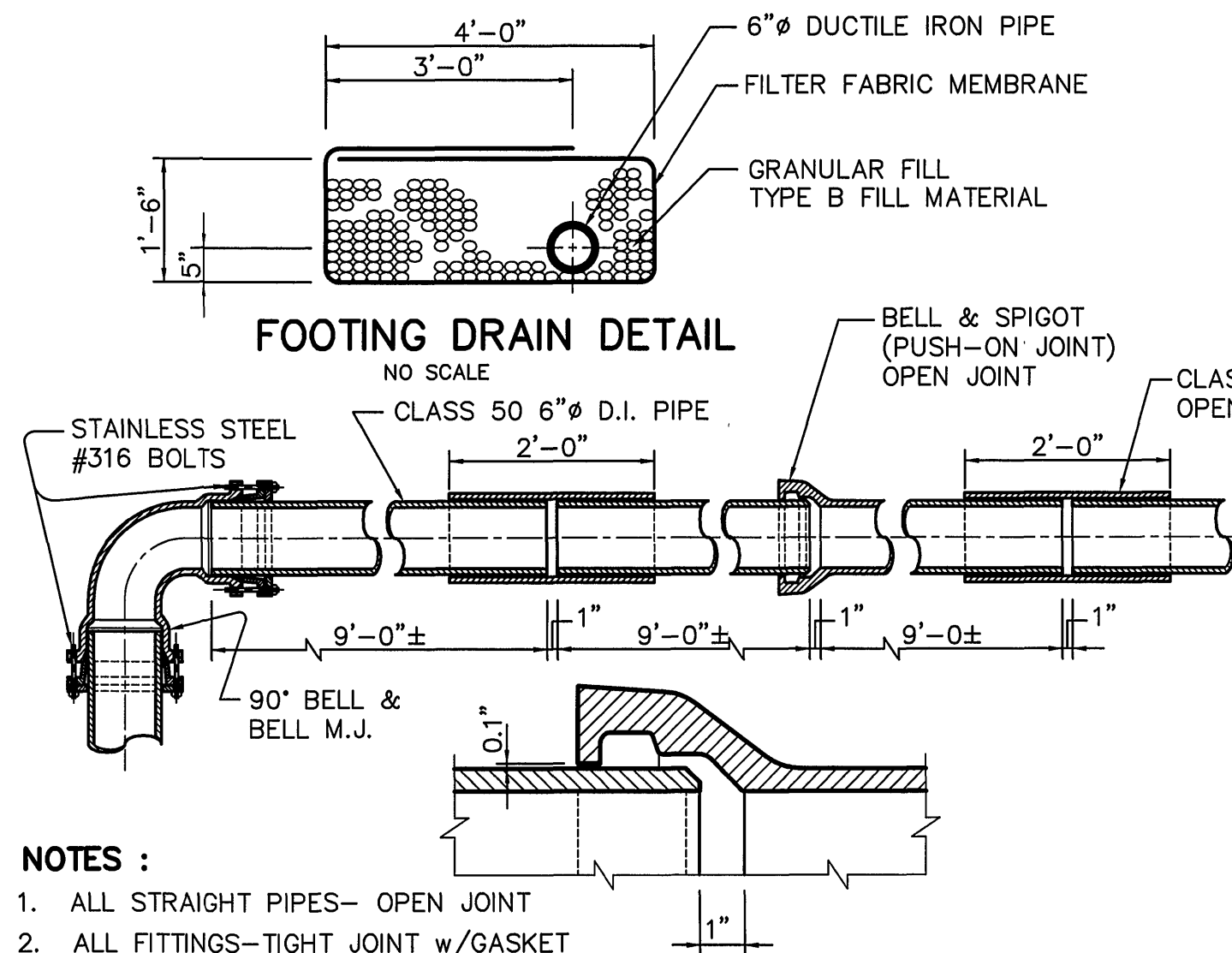


TYP. SLAB & WALL CONSTRUCTION JT. DETAILS
NO SCALE

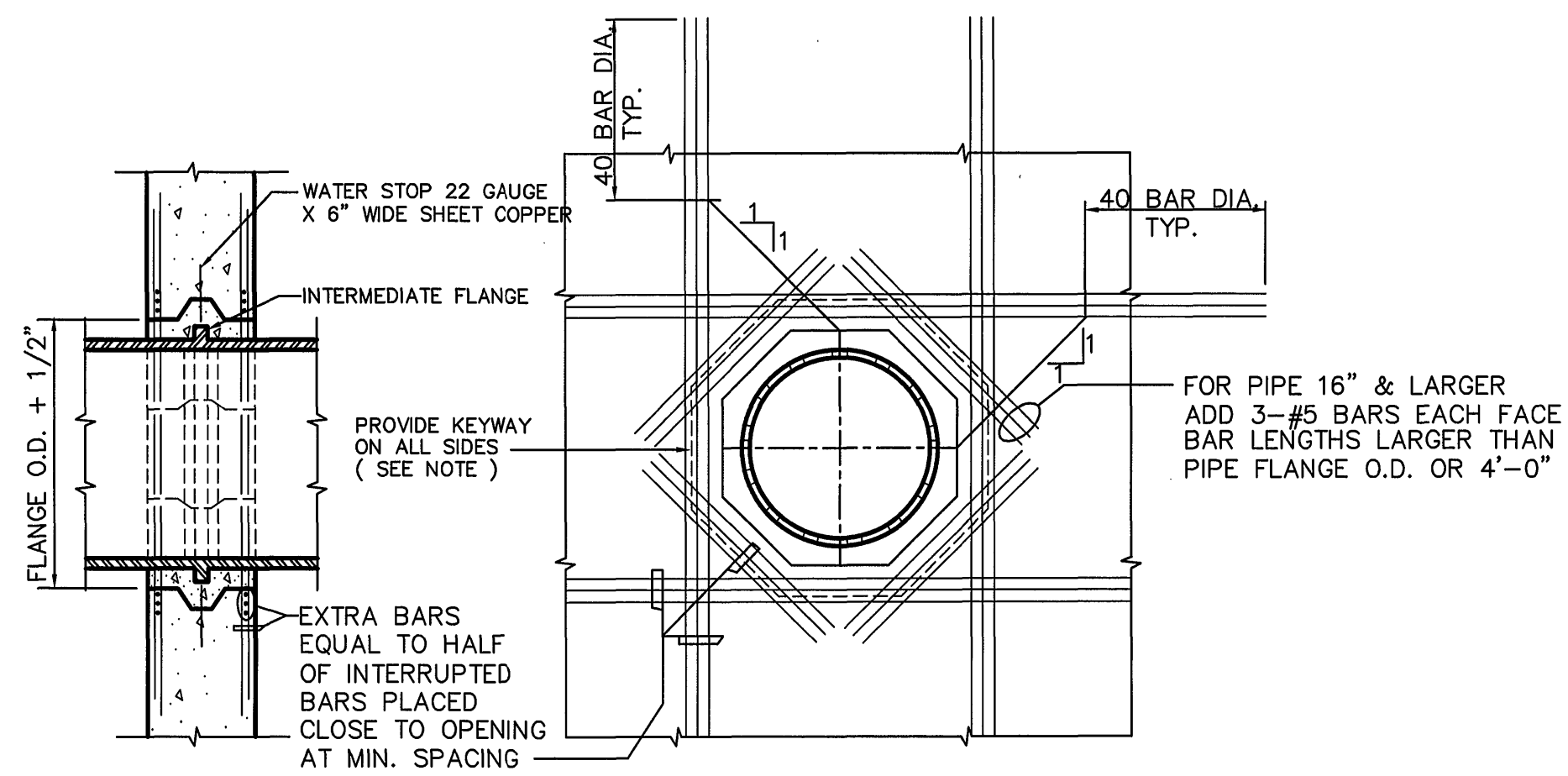
WALL AND SLAB THICKNESS "T"	B	C
12" OR LESS	4"	2"
18"	6"	3"
24"	8"	4"
<24"	12"	4"



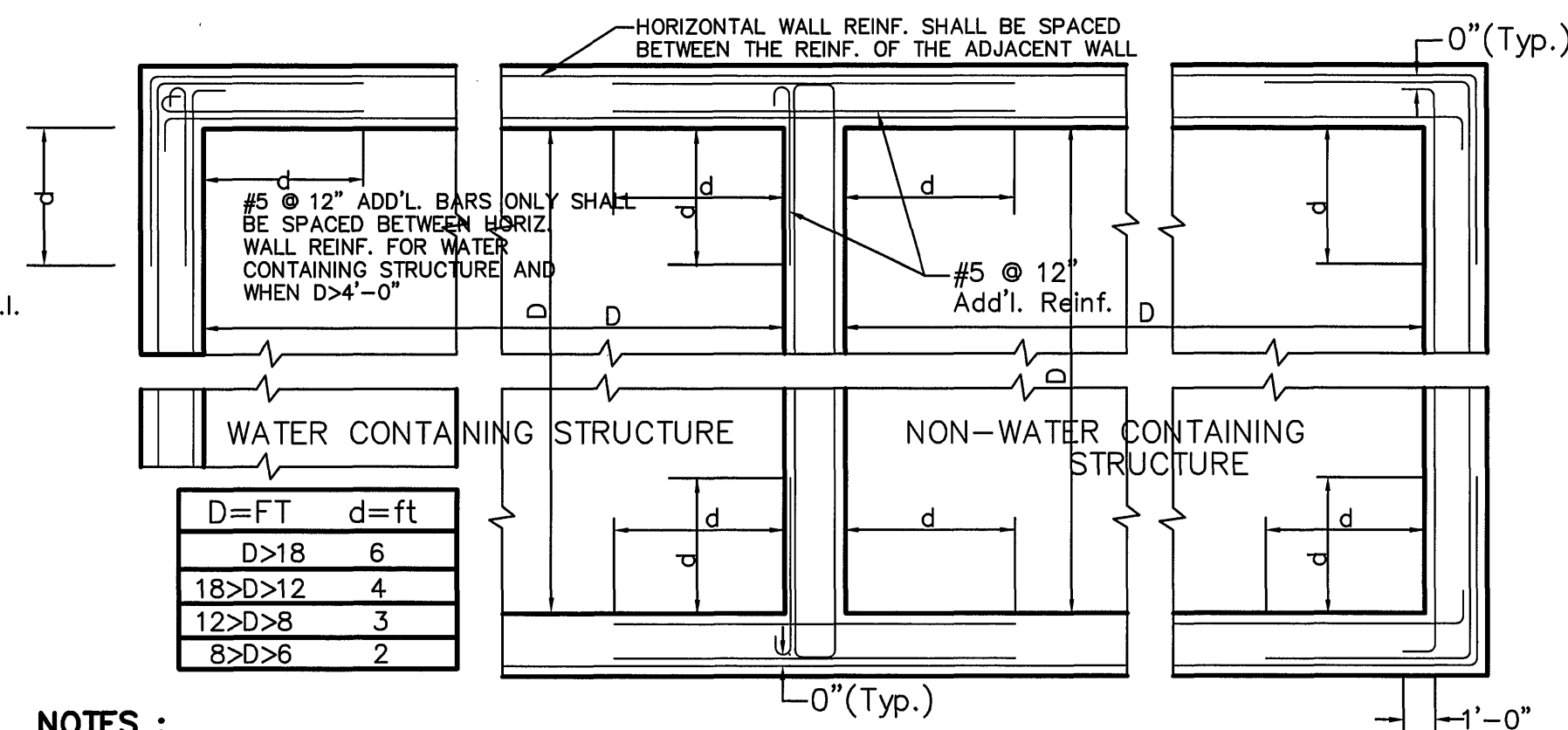
TYPICAL REINFORCING DETAIL AROUND WALL & SLAB OPENINGS
NO SCALE



6" D.I. PIPE FOOTING DRAIN DETAIL
NO SCALE

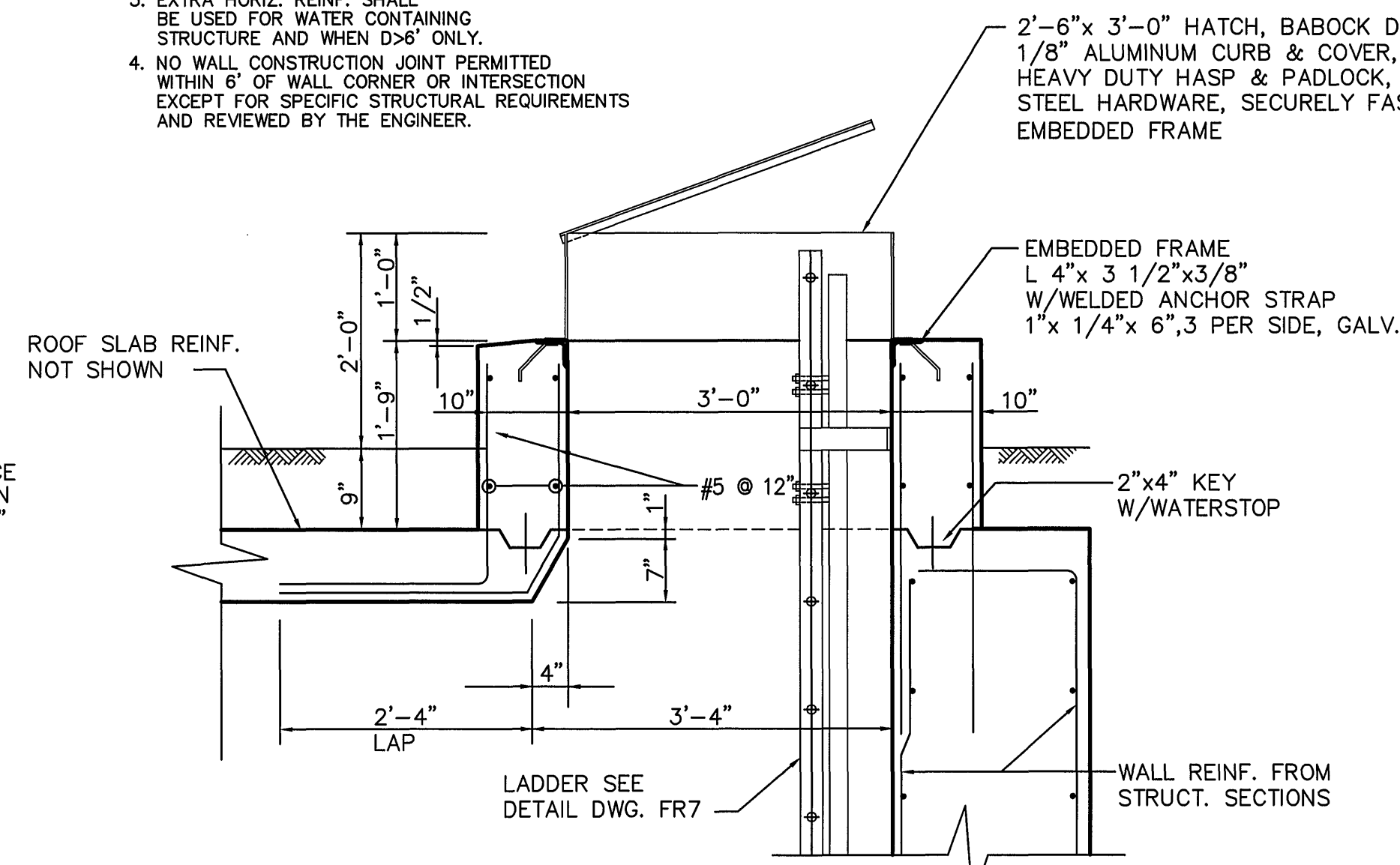


PIPE OPENINGS IN FLOORS AND WALLS
NO SCALE

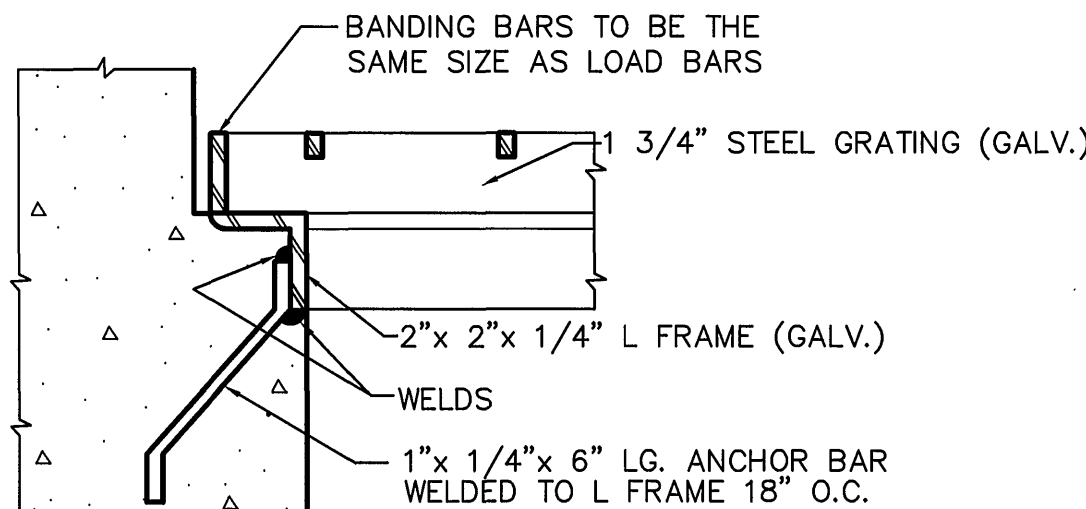


TYPICAL WALL CORNER AND INTERSECTION DETAIL
NO SCALE

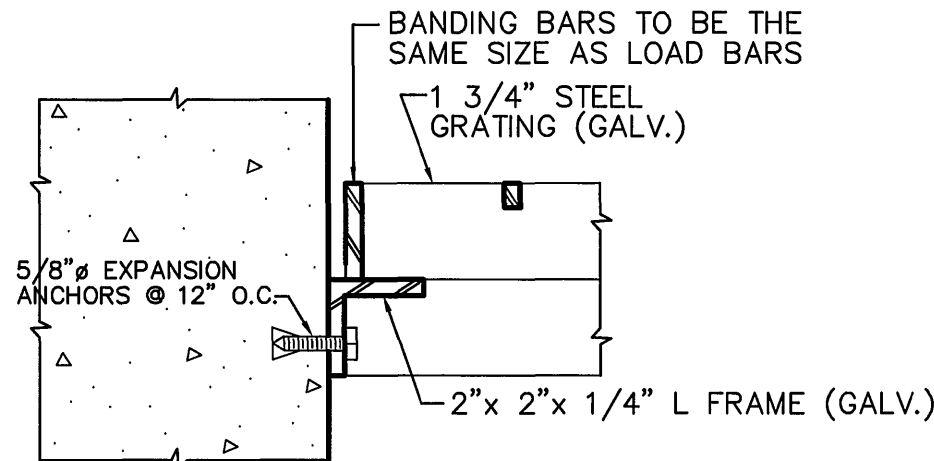
- NOTES:
1. VERT. REINF. NOT SHOWN.
 2. ALL WALL CORNERS AND INTERSECTIONS SHALL CONFORM TO THIS DETAIL (EXCEPT AS SPECIFICALLY SHOWN).
 3. EXTRA HORIZ. REINF. SHALL BE USED FOR WATER CONTAINING STRUCTURE AND WHEN D>6" ONLY.
 4. NO WALL CONSTRUCTION JOINT PERMITTED WITHIN 6" OF WALL CORNER OR INTERSECTION EXCEPT FOR SPECIFIC STRUCTURAL REQUIREMENTS AND REVIEWED BY THE ENGINEER.



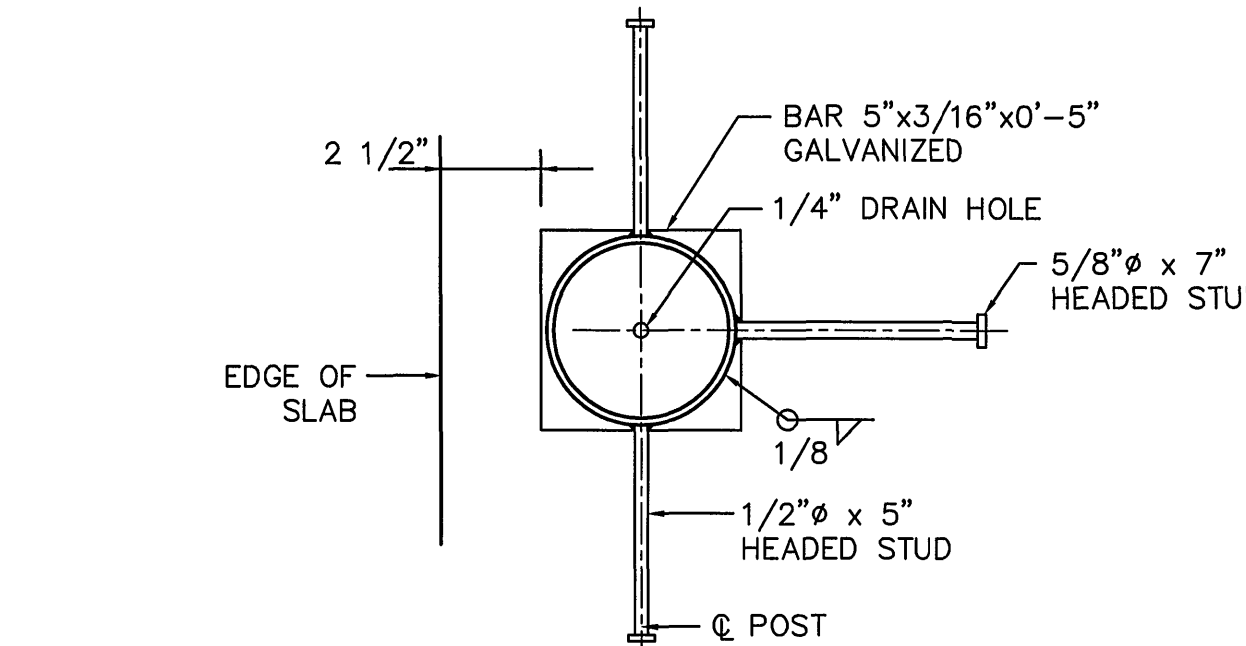
ACCESS HATCH DETAIL FOR RESERVOIR & WASTEWATER TANK
SCALE: 3/4"=1'-0"



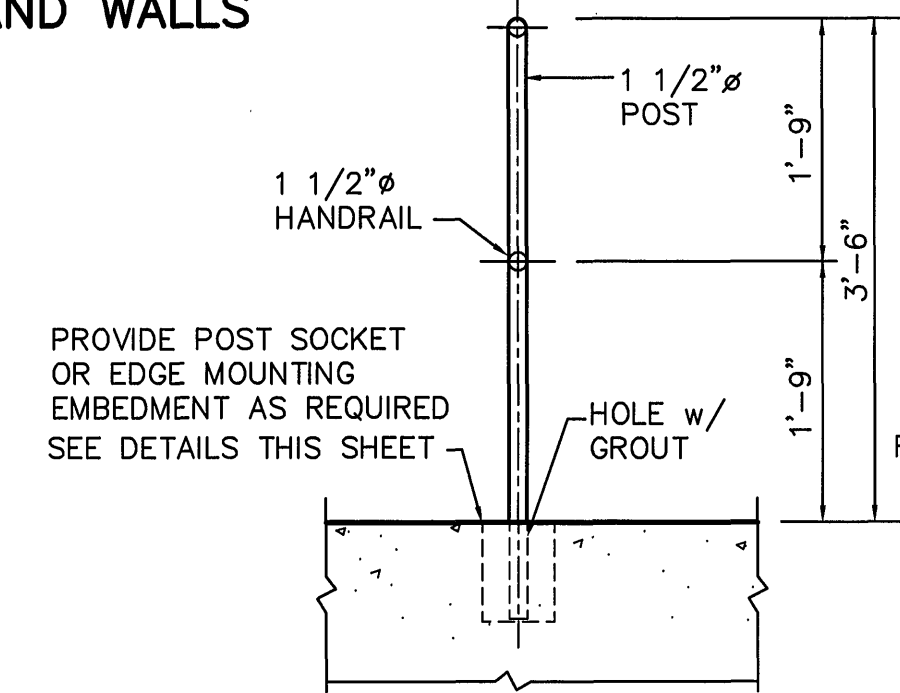
TYP. FLOOR PLATE DETAIL



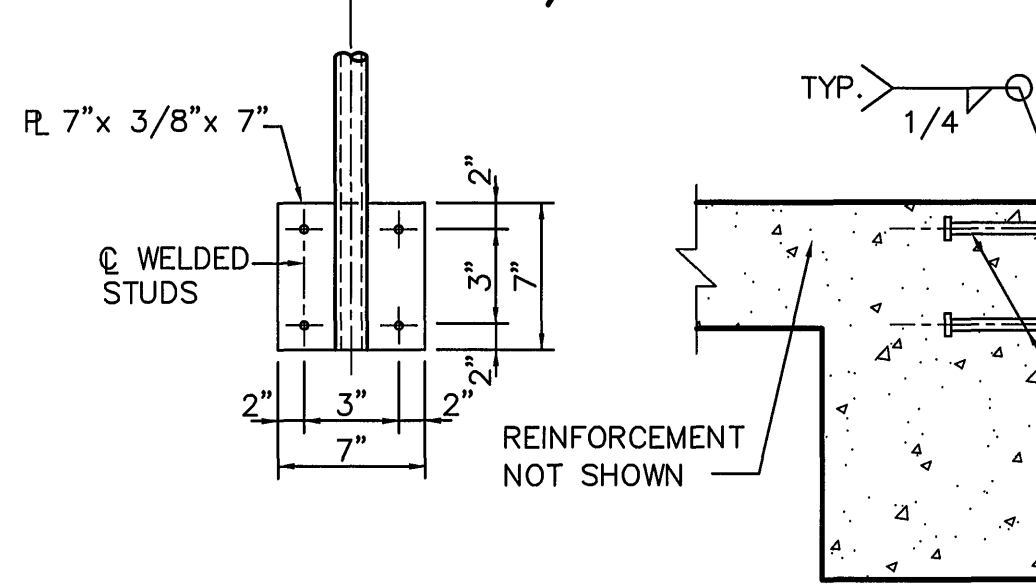
TYP. GRATING SUPPORT DETAIL



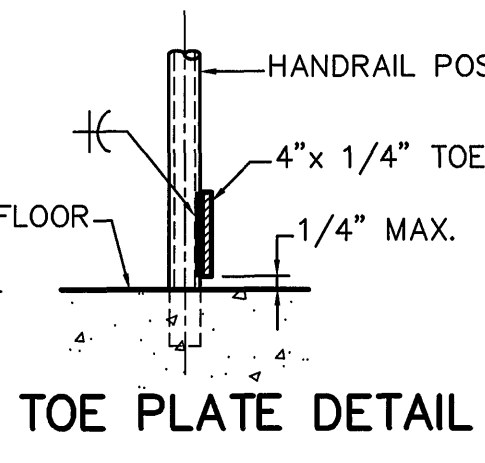
STEEL POST SOCKET



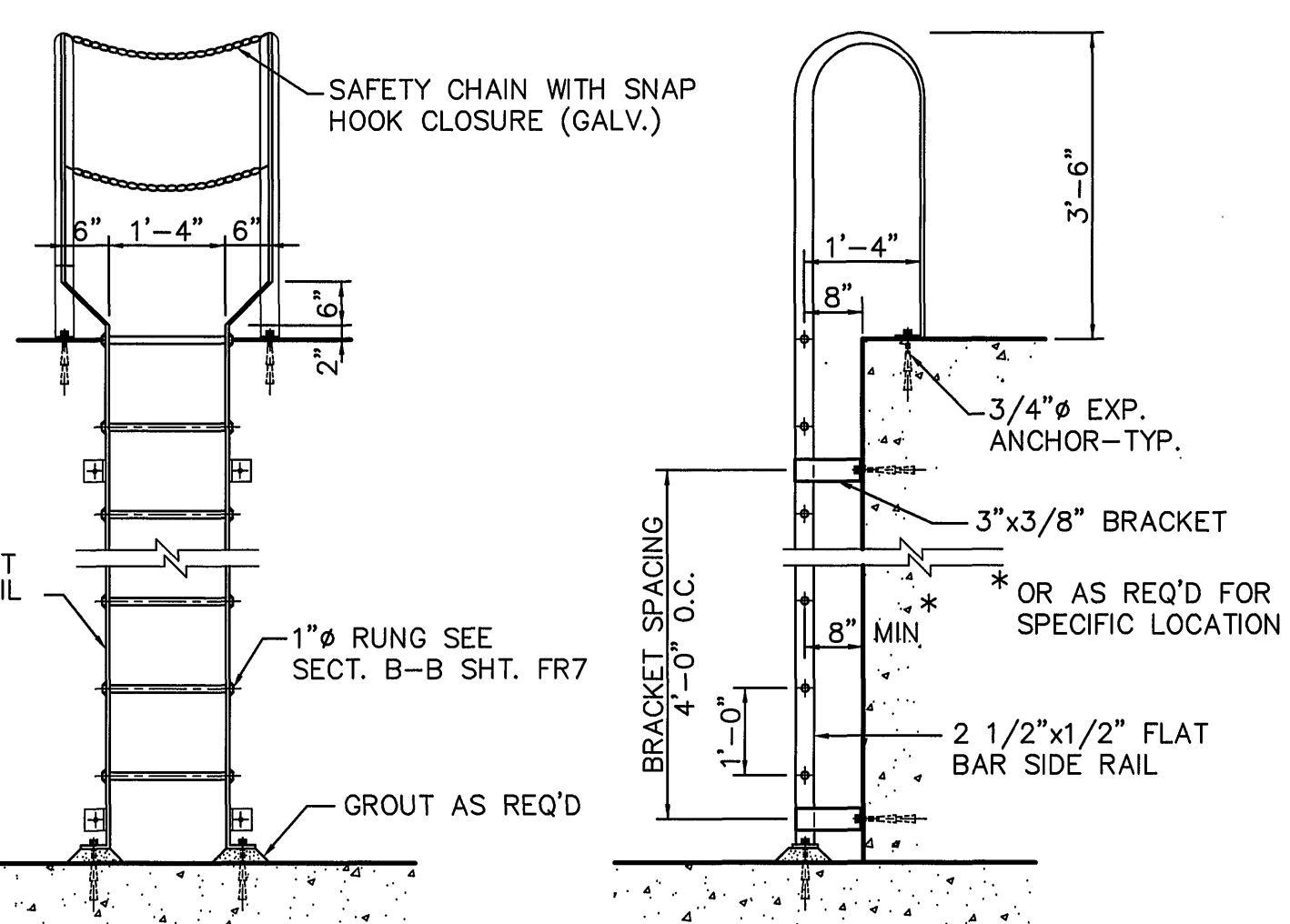
HANDRAIL/RAILING DETAIL



EDGE MOUNTING EMBEDMENT



TOE PLATE DETAIL



FIXED LADDER TYPE D
NO SCALE

HANDRAIL/RAILING DETAILS
NO SCALE

DRAWING OF RECORD
DATE: SEP 30 1997

MATTERN & CRAIG CONSULTING ENGINEERS • SURVEYORS ROANOKE VIRGINIA	DESIGNED: S.C.P		REV.	DATE	DESCRIPTION	BY	APP.	CARVINS COVE FILTER PLANT IMPROVEMENTS – PHASE I ROANOKE, VIRGINIA	DATE APRIL 1992
	DRAWN: C.T.M R.E.T								
	CHECKED: Y.T.L								
ALVORD, BURDICK & HOWSON ENGINEERS CHICAGO	GENERAL DETAILS								