

5/14/99

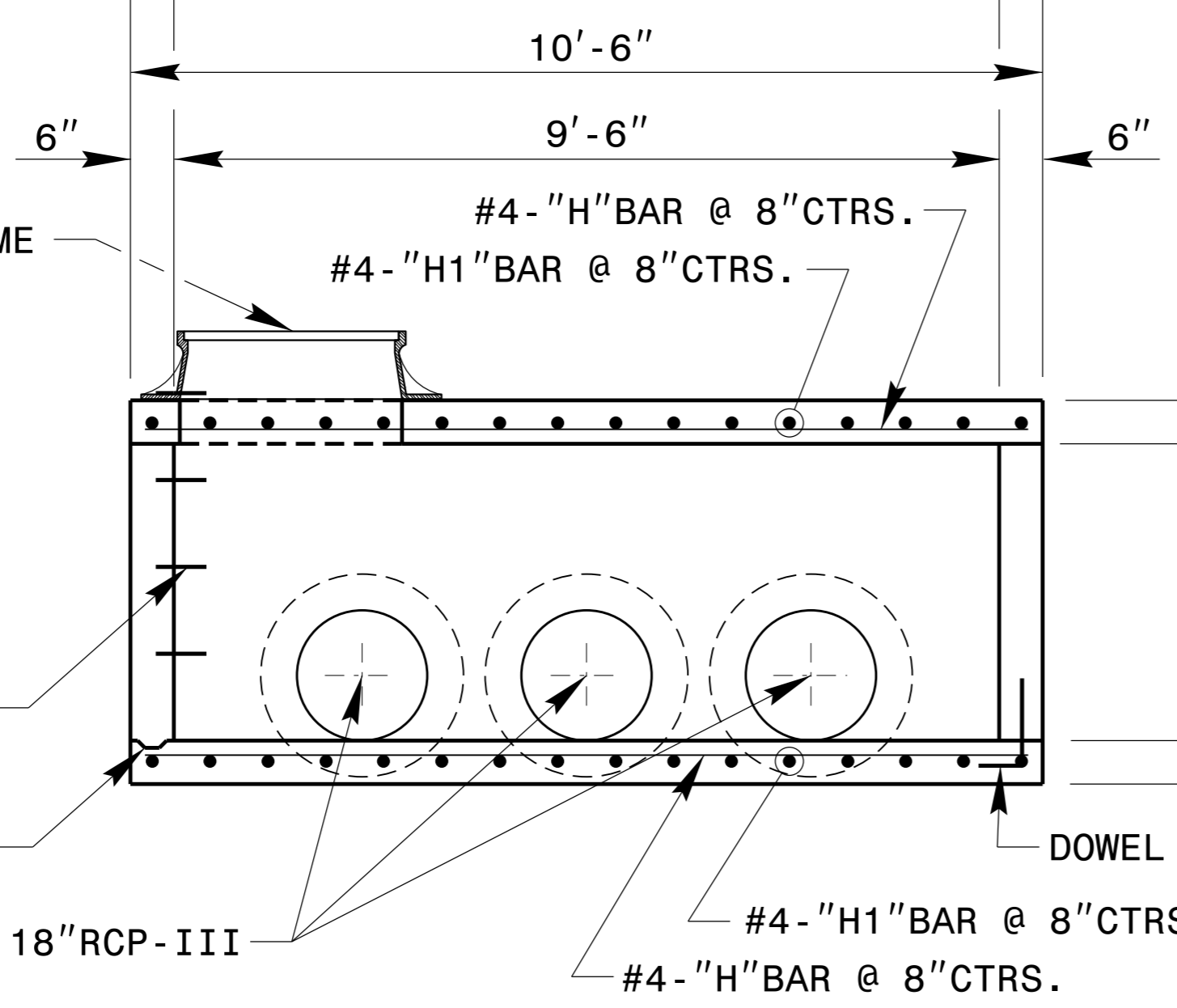
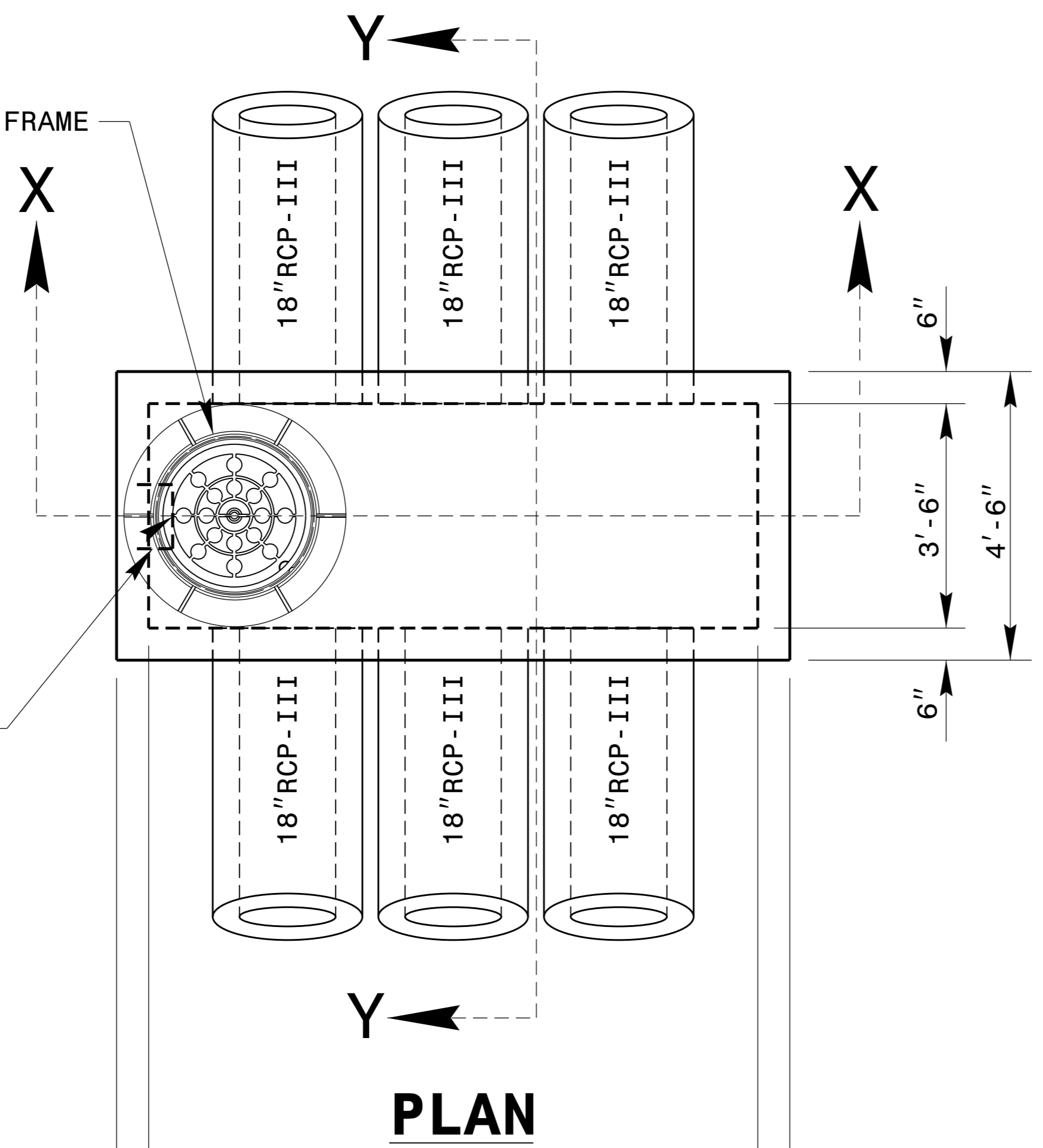
SEE STANDARD 840.54 FOR MANHOLE COVER & FRAME

SEE STD.840.66 FOR STEP DETAIL

SEE STANDARD 840.54 FOR MANHOLE COVER & FRAME

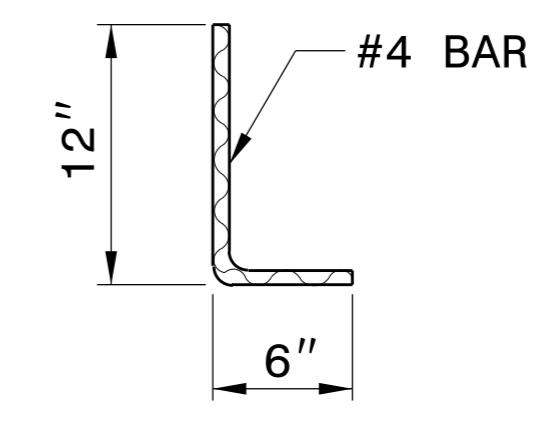
SEE STD.840.66 FOR STEP DETAIL

SEE NOTE

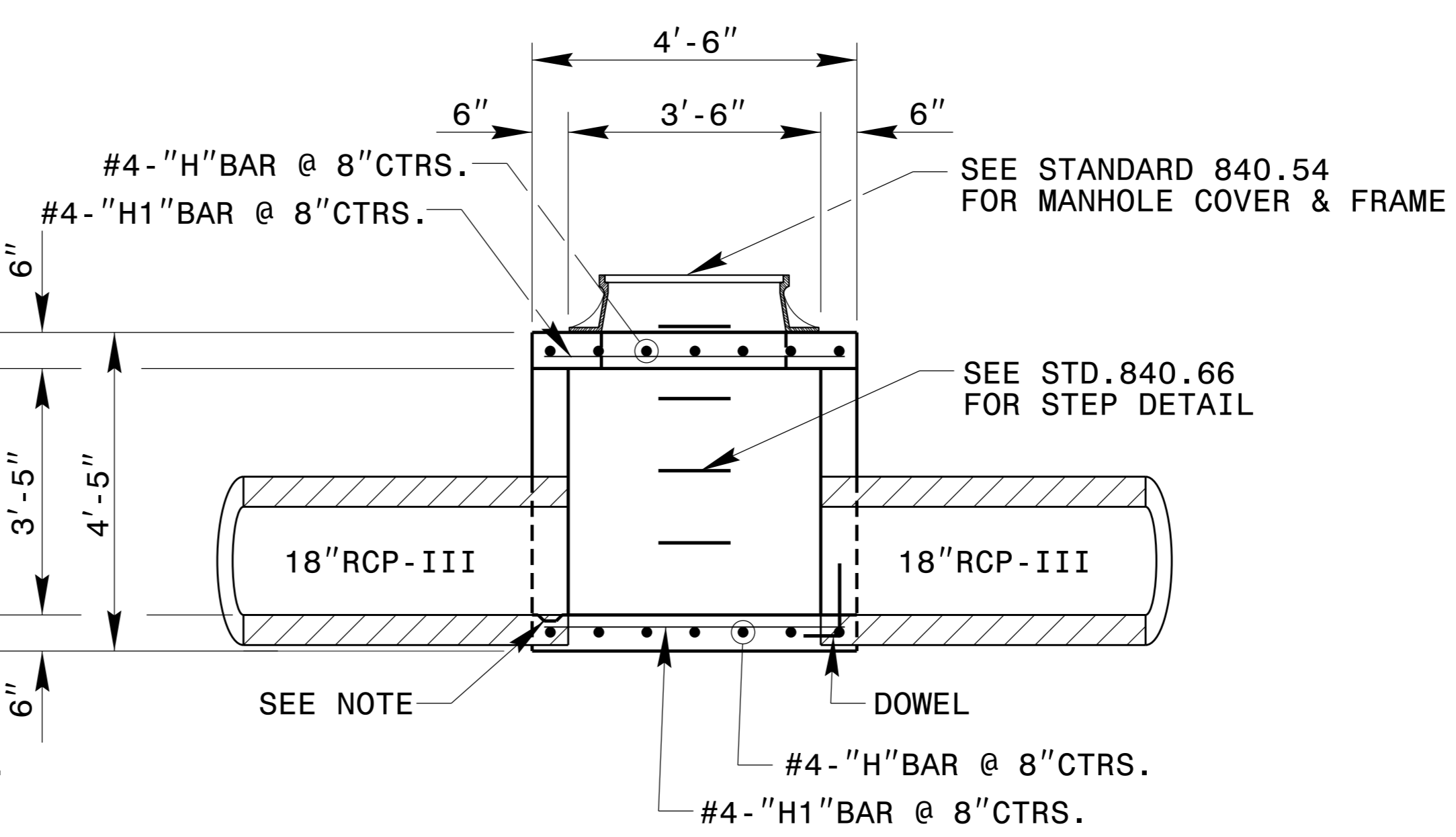


SECTION X-X

- GENERAL NOTES:**
- USE FORMING FOR THE CONSTRUCTION OF THE BASE SLAB SEE STD. DWG. 840.00.
 - USE CLASS 'B' CONCRETE THROUGHOUT.
 - CONSTRUCTION OPTIONS: MONOLITHIC POUR; 2" KEYWAY OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.
 - REINFORCING STEEL TO BE CUT, BENT OR RELOCATED TO POSITION PIPE AS DIRECTED BY THE ENGINEER.
 - ALL EXPOSED CORNERS TO BE CHAMFERED 1".
 - LOCATE MANHOLE AS DIRECTED BY THE ENGINEER.
 - JUNCTION BOXES OVER 3'-6" IN DEPTH WITH MANHOLES, WILL REQUIRE STEPS TO BE PLACED ON 12" CTRS. SEE REFERENCE STD. NO. 840.66.
 - MAINTAIN 2" MINIMUM CONCRETE COVERAGE ON ALL STEEL.



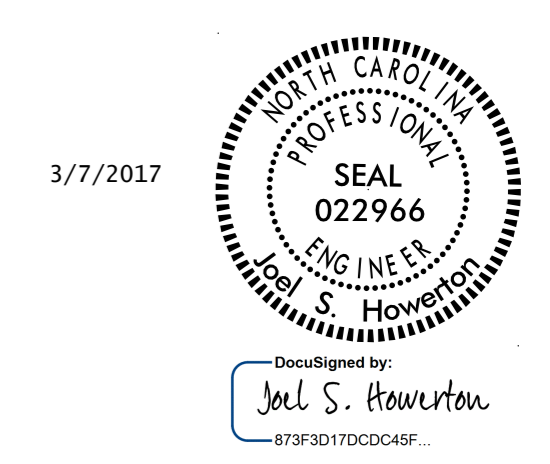
DOWEL



SECTION Y-Y

BILL OF MATERIAL					
CODE	BAR#	LENGTH	LBS/FT.	QTY.	LBS
H	4	10'-2"	0.668	14	95
H1	4	4'-2"	0.668	32	89
TOTAL WEIGHT STEEL					184
MASONRY QUANTITIES					
CLASS "B" CONCRETE				3.5	CU.YDS.
PIPE DEDUCTIONS					
6-18" RCP III				-0.5	CU.YD.
TOTAL CLASS "B" CONCRETE					3
					CU.YDS.

* 0.30 CU. YD. PER FOOT OF RISER HEIGHT



3/7/2017

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS & DEVELOPMENT UNIT	
STANDARDS AND SPECIAL DESIGN	
Office 919-707-6950	FAX 919-250-4119
SPECIAL TRIPLE 18"RCP JUNCTION BOX WITH MANHOLE	
ORIGINAL BY: _____	DATE: _____
MODIFIED BY: rnbritt	DATE: 01-24-2017
CHECKED BY: jshowerton	DATE: 01-24-2017
FILE SPEC.: details/rbrrtt/english/urban/u3109a triple 18_jb.dgn	

\$\$\$\$\$ TIME\$\$\$\$\$ DATE\$\$\$\$\$ USER\$\$\$\$\$