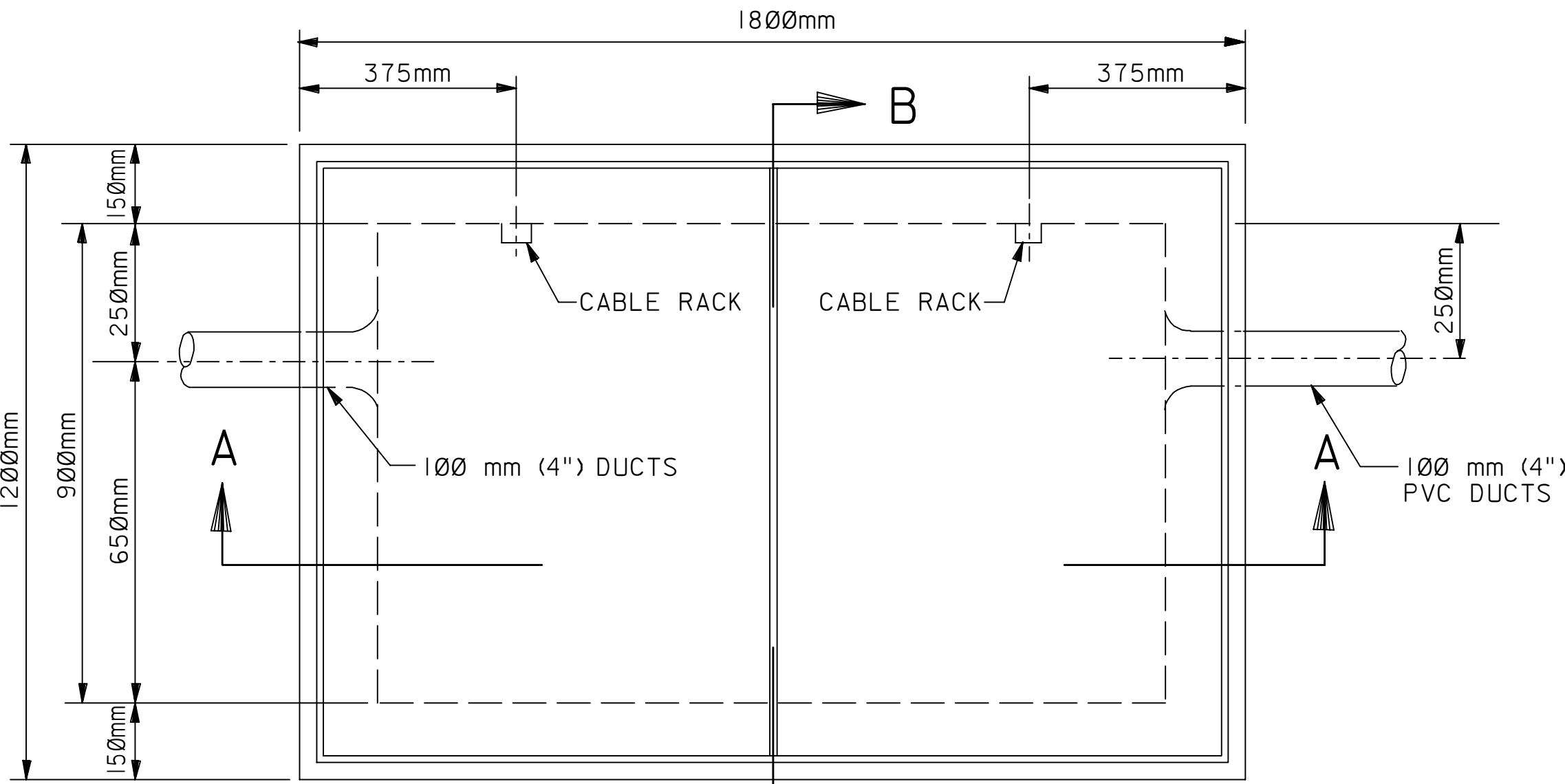
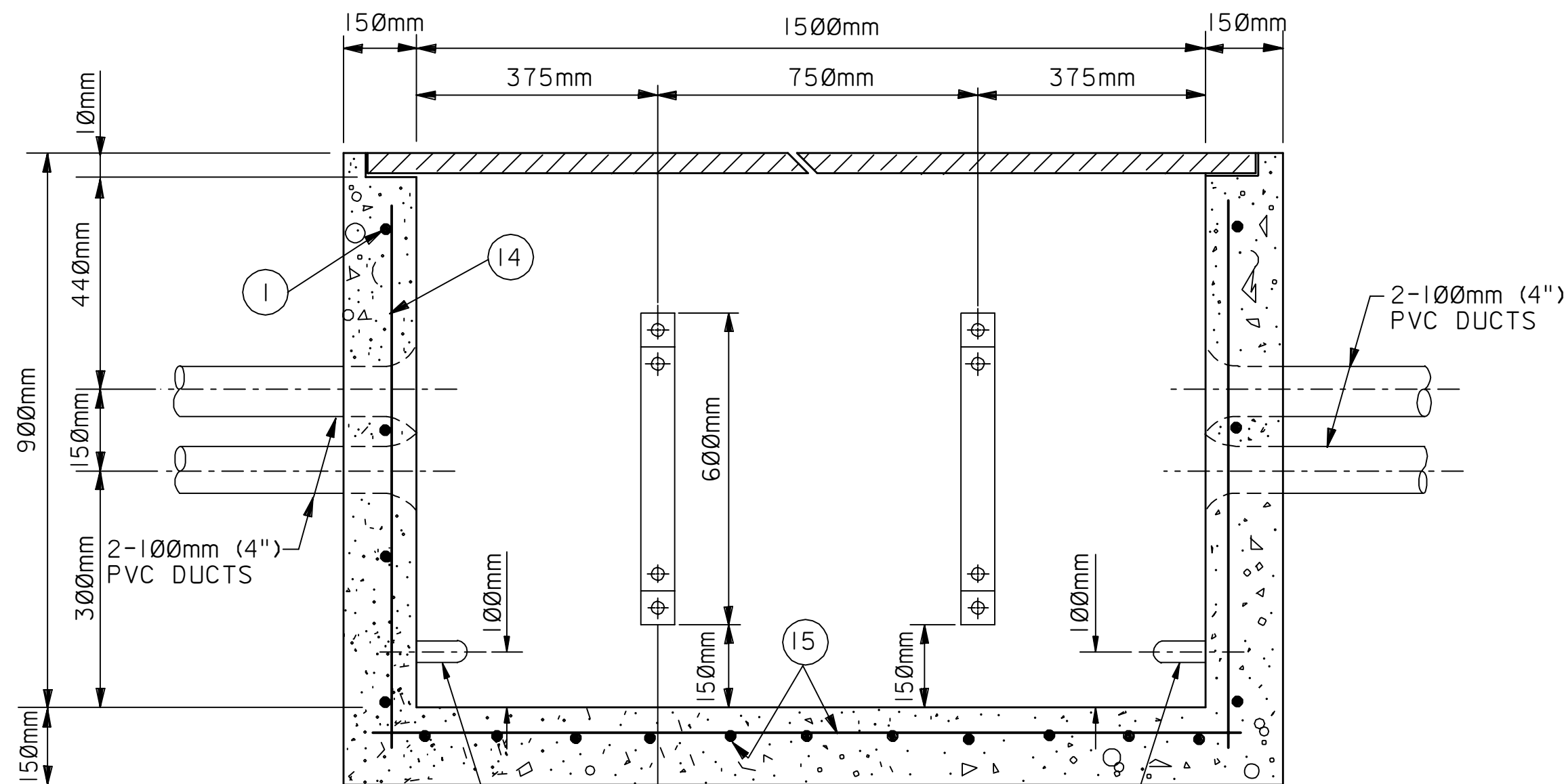


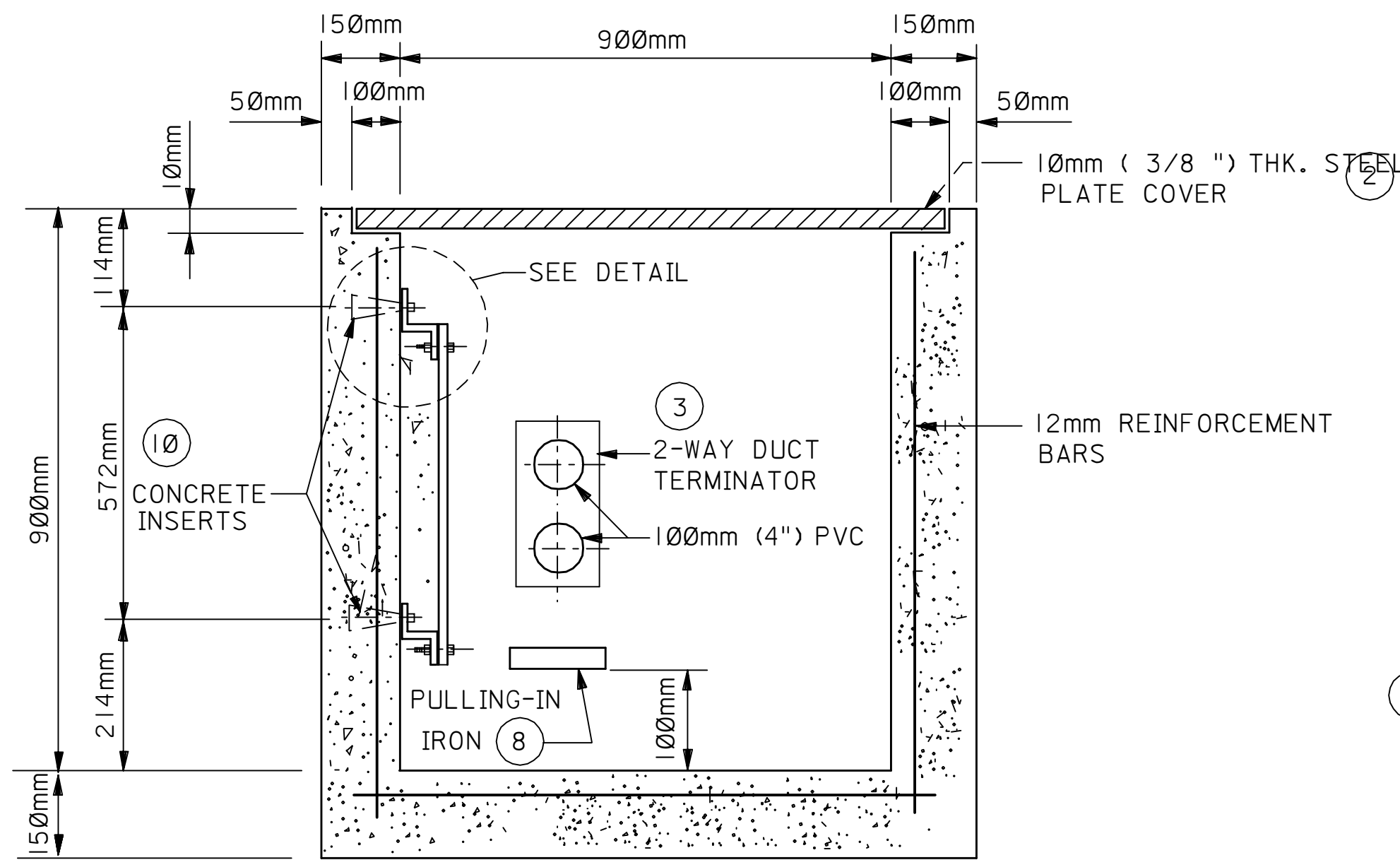
JOB ORDER NO.	PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
	990	T	AA-036377	01	0



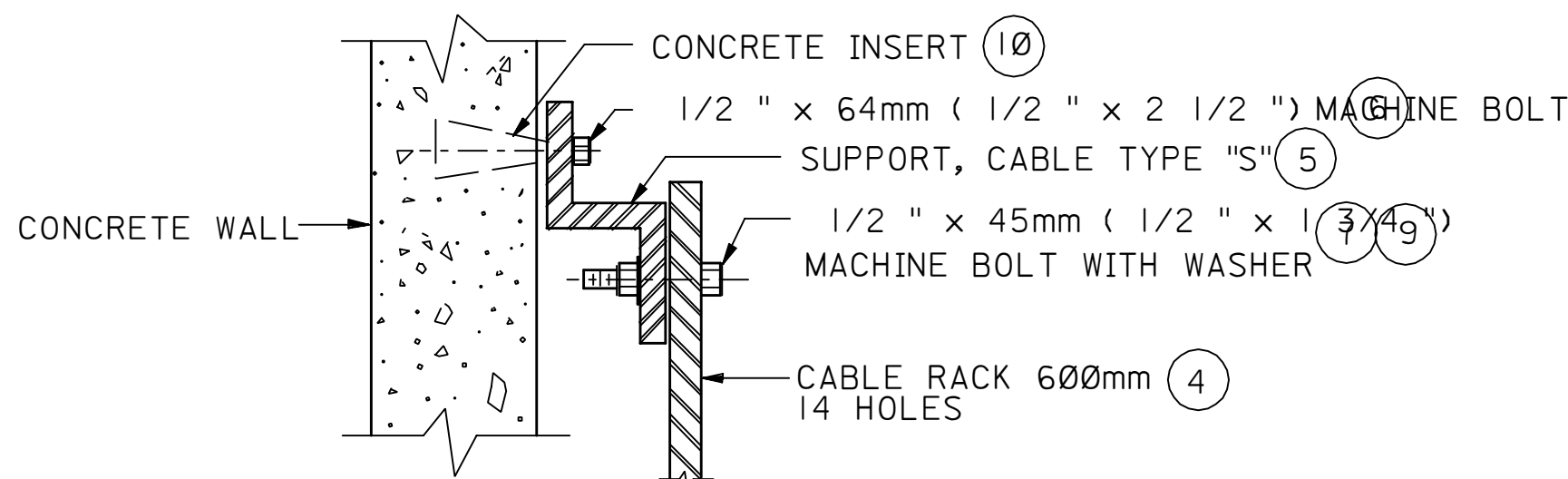
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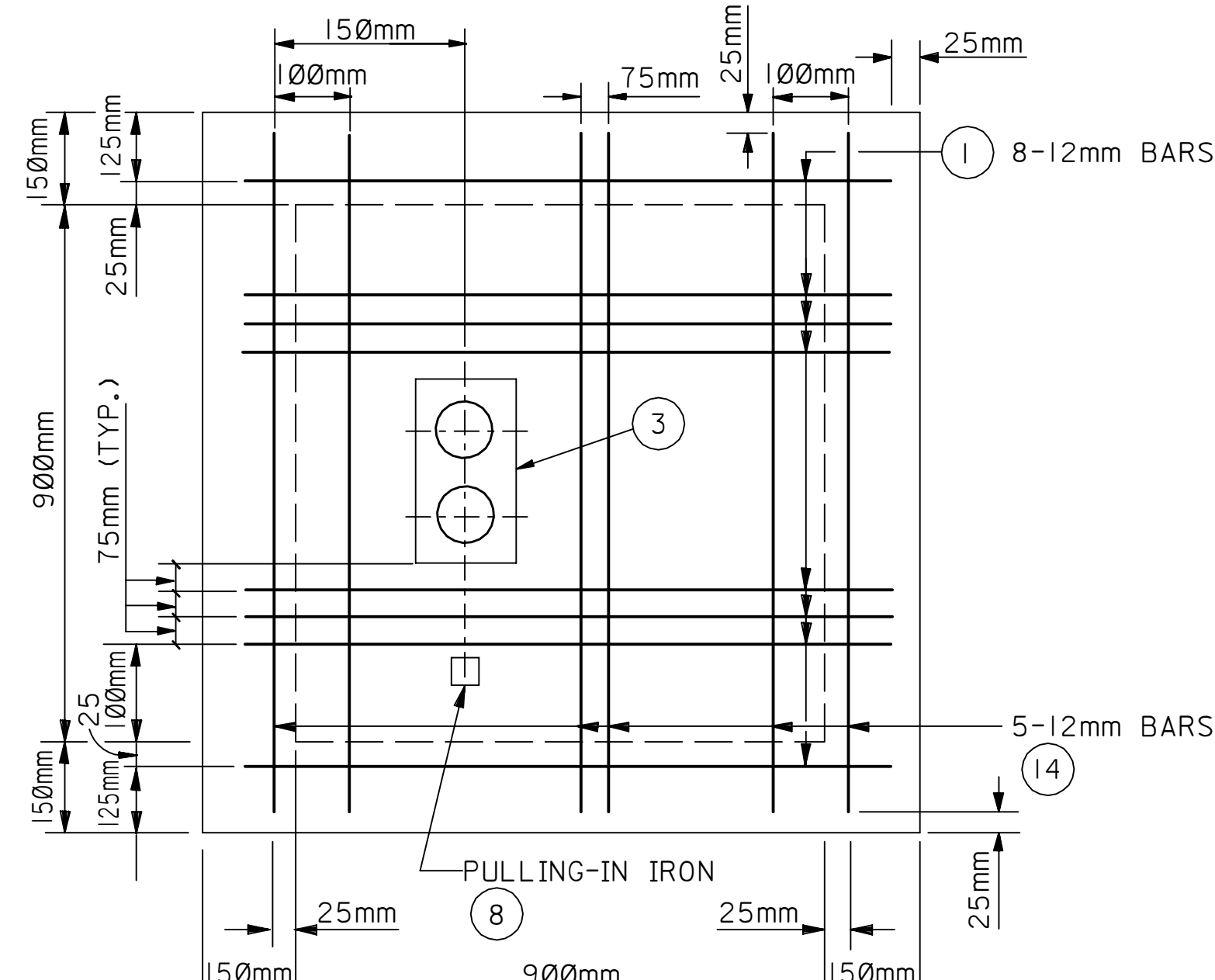
SECTION A-A



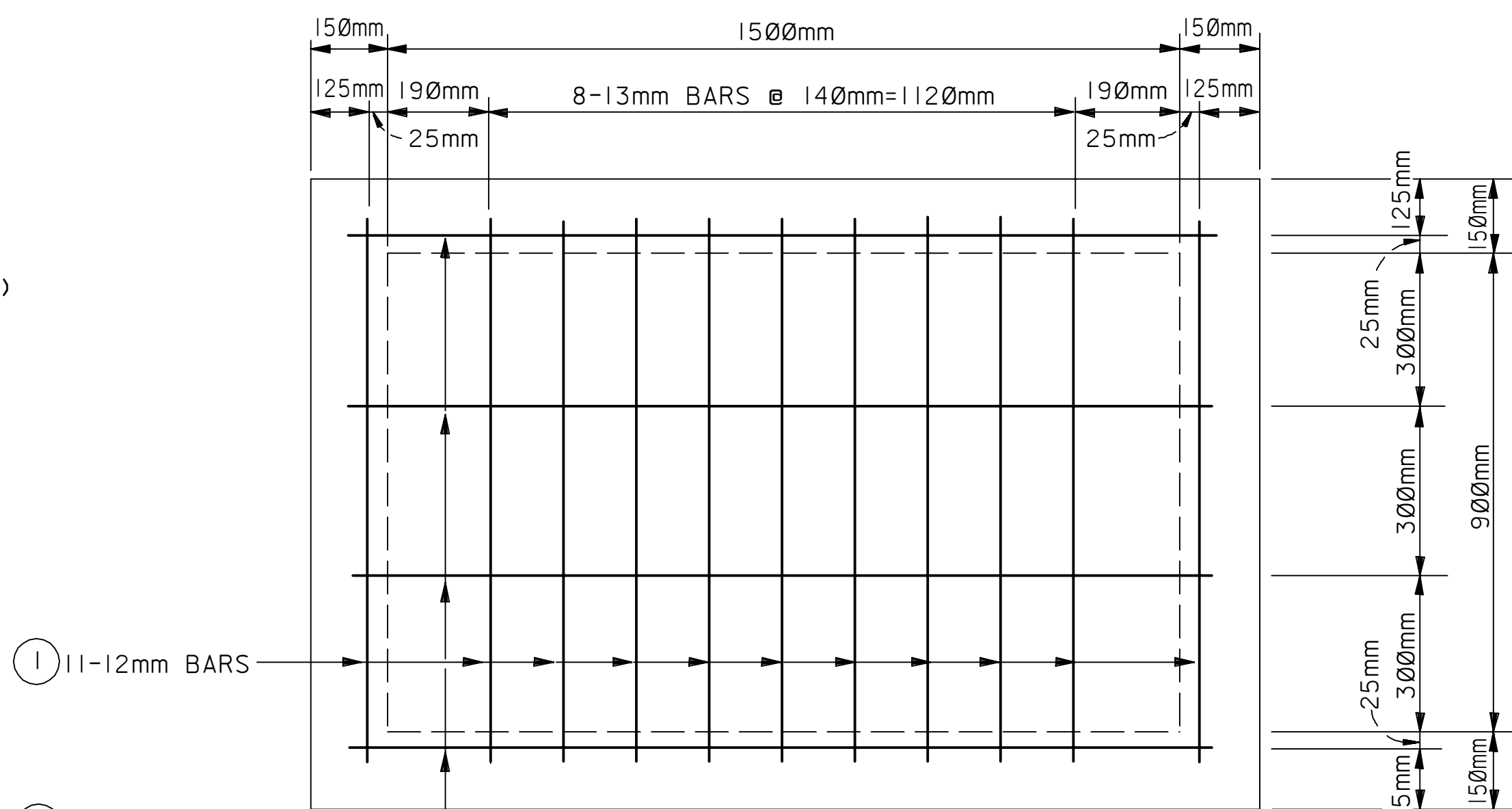
S E C T I O N B-B



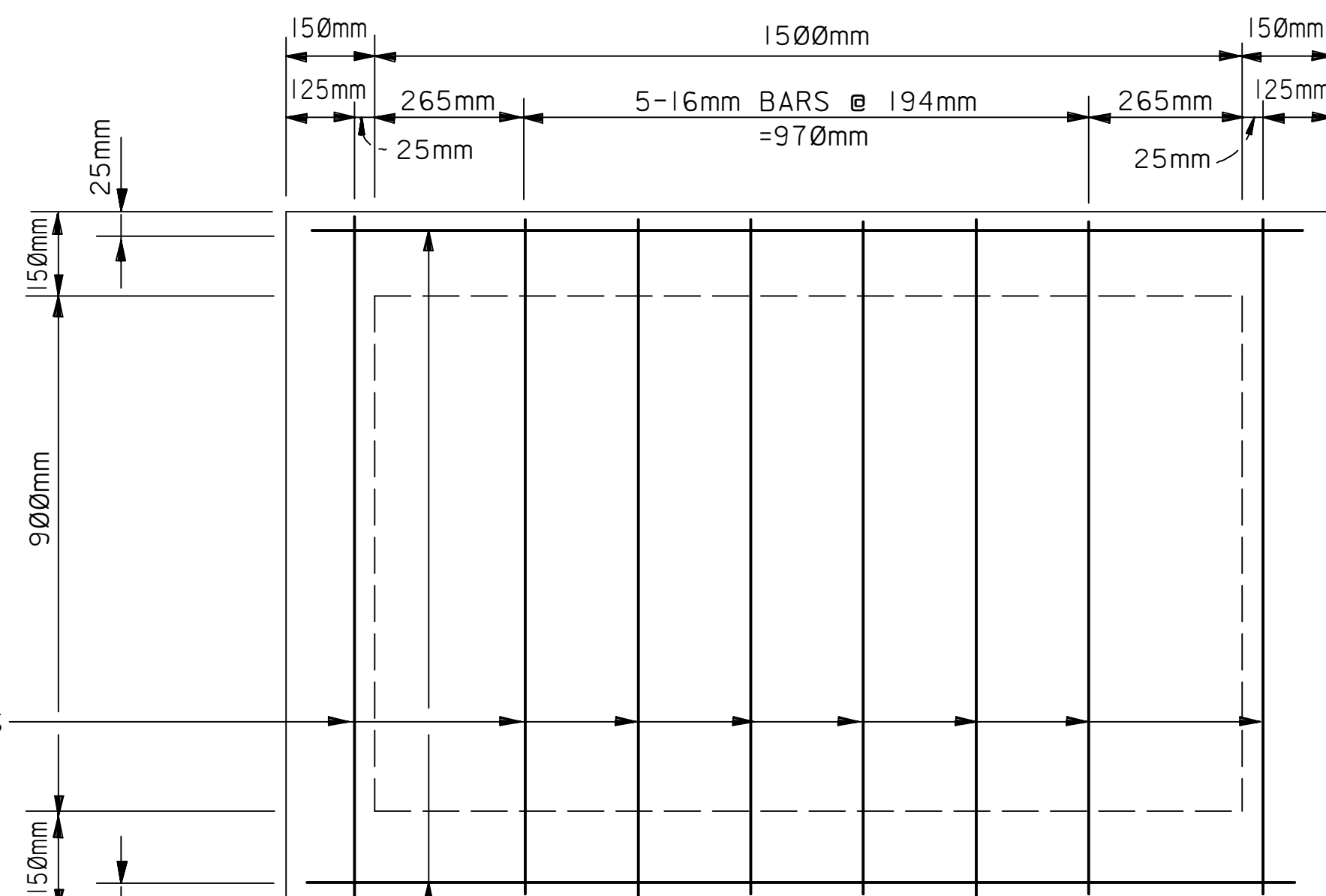
DETAIL-3



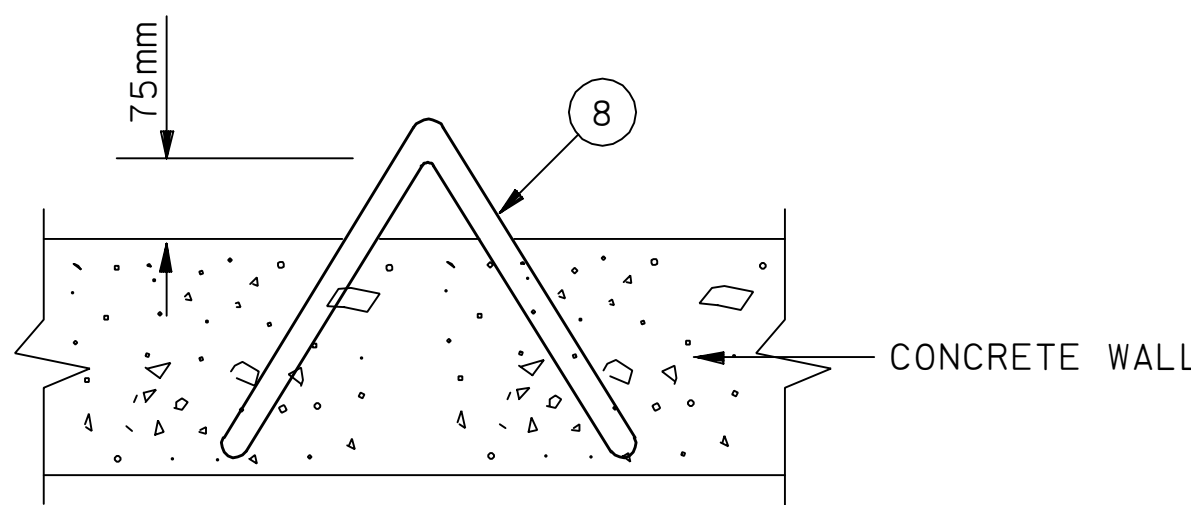
END WALL REINFORCEMENT



SIDE WALL REINFORCEMENT



FLUID SOIL ONLY-16mm BARS
FLOOR REINFORCEMENT

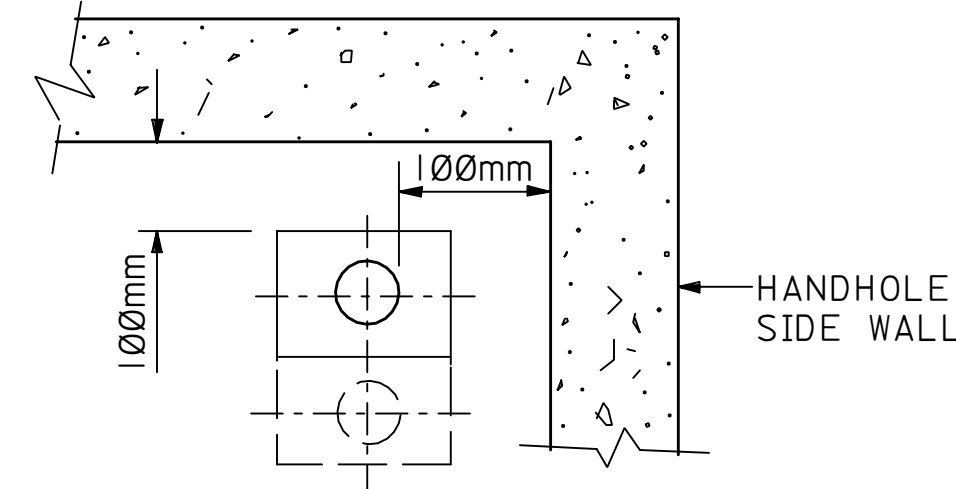


DETAIL-4
PULLING-IN IRON

KEY DWG. NO.	MATERIAL LIST "STANDARD COMMUNICATION HANDHOLE"		
	ITEM	QUANTITY	SAMS STOCK NO.
(1)	BAR, DEFORMED 12mm	46 m.	12-720-560
(2)	PLATE, STEEL 10mm (3/8 ") THICK		12-061-035
(3)	TERMINATORS, DUCT 2-WAY	2	15-350-025
(4)	RACK, CABLE, 14 HOLES 600mm (24") lg	2	14-239-566
(5)	SUPPORT, CABLE RACK TYPE "S"	4	18-065-180
(6)	BOLT, MACHINE BOLT GAL. 1/2 " x 65mm	4	10-206-428
(7)	BOLT, MACHINE BOLT GAL. 1/2 " x 45mm	4	10-230-343
(8)	IRON; PULLING-IN TYPE 8119	2	18-045-250
(9)	WASHER, RD. FLAT 13mm (1/2 ") BOLT	4	14-654-414
(10)	INSERT, CONCRETE	4	11-811-650
(11)	CLAMP, GROUND	1	18-020-990
(12)	BRAID, GROUNDING 4.5 METERS	1 ROLL	18-021-435
(13)	WIRE,TIE 4BL. ROOL	1 ROLL	12-830-500
(14)	BAR, DEFORMED 16mm	8 M.	12-720-565
(15)	ROD, GROUND 5/8 "	2	14-246-542

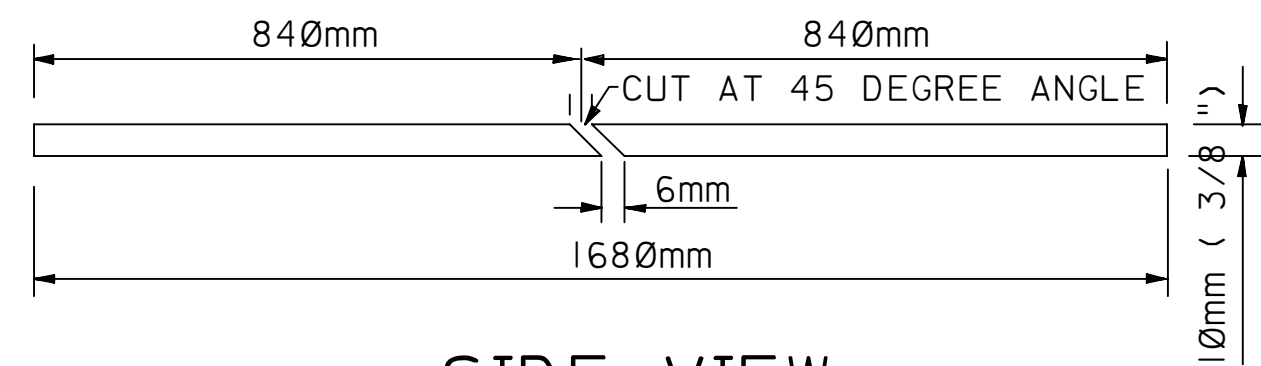
- NOTES:**

 1. CONSTRUCTION DETAILS FOR "STANDARD COMMUNICATION HANDHOLE" TO BE USED ONLY IN NON-HAZARDOUS AND NON-TRAFFIC AREAS. USUALLY IN SIDEWALK AREAS.
 2. MAXIMUM NUMBER OF DUCTS TO BE TERMINATED SHALL NOT EXCEED FOUR (4).
 3. RACKING SHALL BE ON ONE (1) WALL ONLY.
 4. ALL PERMITS REQUIRED BY SAUDI ARAMCO GENERAL INSTRUCTION 2.100 SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND MADE READILY AVAILABLE.
 5. ALL UNDERGROUND STRUCTURE SHALL BE LOCATED AND MARKED IN FIELD PRIOR TO CONSTRUCTION.
 6. HANDHOLE INSIDE DIMENSIONS ARE 900mm (3'-0") WIDE x 1500mm (5'-0") LONG, 900mm (3'-0") DEEP.
 7. HANDHOLE LID TO BE MADE OUT OF 10mm (3/8 ") TH STEEL PLATE AS SHOWN IN DETAIL-1 THIS SHEET.
 8. GROUNDING TO REINFORCEMENT BARS AS INDICATED IN ARAMCO CONSTRUCTION SPECIFICATION ACS-T-605-100-202 OR PLACING OF 2- 5/8 " x 1500mm (5') GROUND AS SHOWN IN ARAMCO CONSTRUCTION SPECIFICATION ACS-T-605-100-100 FIGURE 5.
 9. REINFORCEMENT BARS SHALL BE RUST & CORROSION FREE AND CONFORM TO ASTM-615.
 10. REINFORCEMENT BARS SHALL NOT BE HEATED FOR FIELD BENDING.
 11. IF TWO REINFORCEMENT BARS MUST BE USED IN LIEU OF ONE BAR, BOTH BARS SHALL BE OVERLAPPED 30 TIMES THE BARS DIAMETER AND TIED WITH #16 SOFT ANNEALED STEEL WIRE.
 12. READY MIX CONCRETE SHALL BE USED WITHIN 90 MINUTES AFTER MIXING AND CONFORM TO ACS-Q-3.
 13. LATERAL DUCTS TERMINATED IN SIDE WALLS, SHALL BE PLACED AS SHOWN IN DETAIL-2 THIS SHEET.
 14. ALL DUCTS SHALL BE PLUGGED WITH AN EXPANDABLE RUBBER DUCT PLUG.
 15. HANDHOLE SHALL BE CLEAN OF ALL DEBRIS TO THE SATISFACTION OF ARAMCO CONSTRUCTION INSPECTOR.
 16. DETAIL-3 SHOWS PLACEMENT OF CABLE RACK.
 17. DETAIL-4 SHOWS PULLING-IN IRONS.

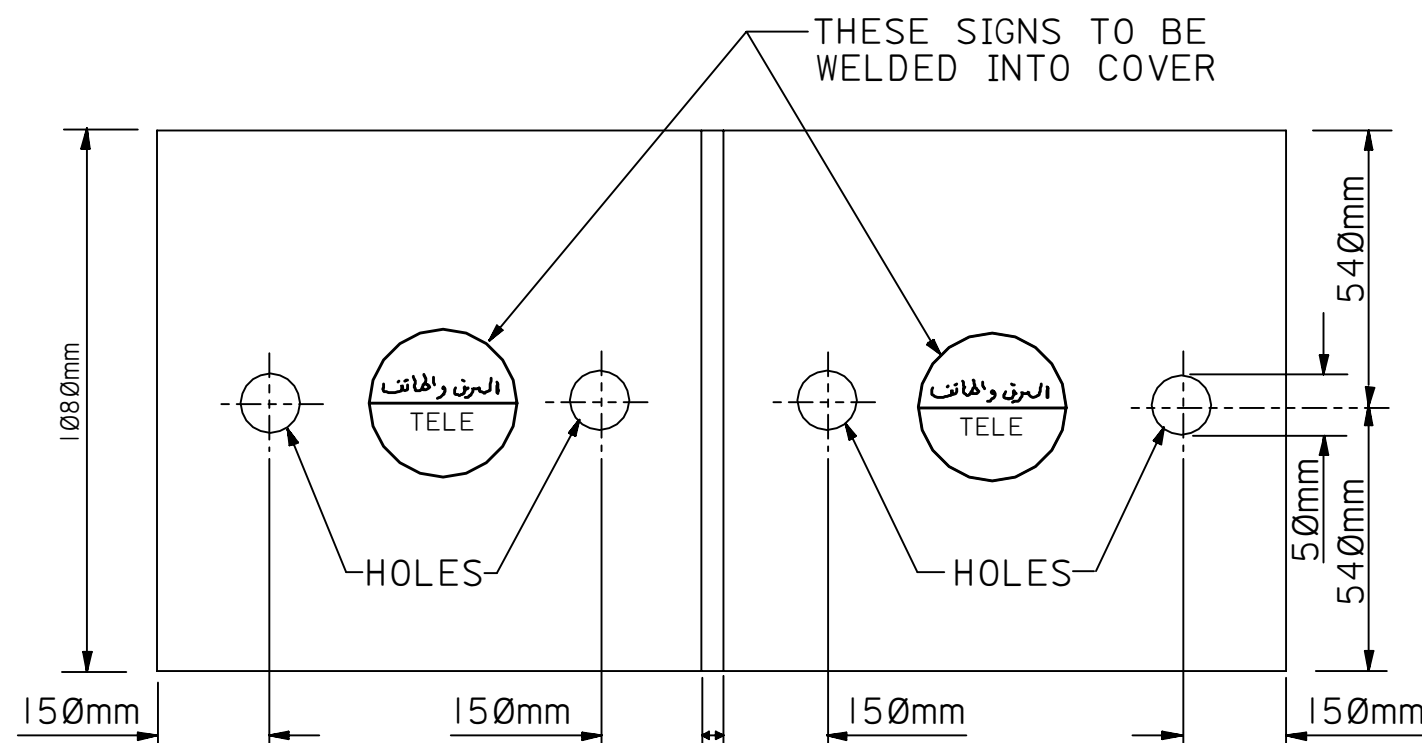


LOCATION OF DUCT OR DUCTS TERMINATED
ON SIDE WALLS

DETAIL-2



SIDE VIEW



TOP VIEW

HANDHOLE COVER DETAIL-1

REV. NO.	DATE	BY	DESCRIPTION				CHKD.	CERT.	APPD.
ARABIAN AMERICAN OIL COMPANY									
DRAWN BY: A.B.M.S.						CHECKED BY: N.T.S.			
DATE STARTED _____				DATE COMPLETED _____					
OPR'G. DEPT. _____				ENG. DEPT. _____					
FIRE & SAFETY _____									
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNITS, CERTIFIED AND DATED						CERTIFIED BY _____ DATE _____			
DETAILS									
COMMUNICATION STD. HANDHOLE									
Ø9M x 1.5M x Ø9M NON TRAFFIC AREAS									
STD. DWG.					SAUDI ARABIA				
PLANT NO.	INDEX	DRAWING NUMBER				SHT. NO.	REV. NO.		
990	T	AA-036377				01	0		