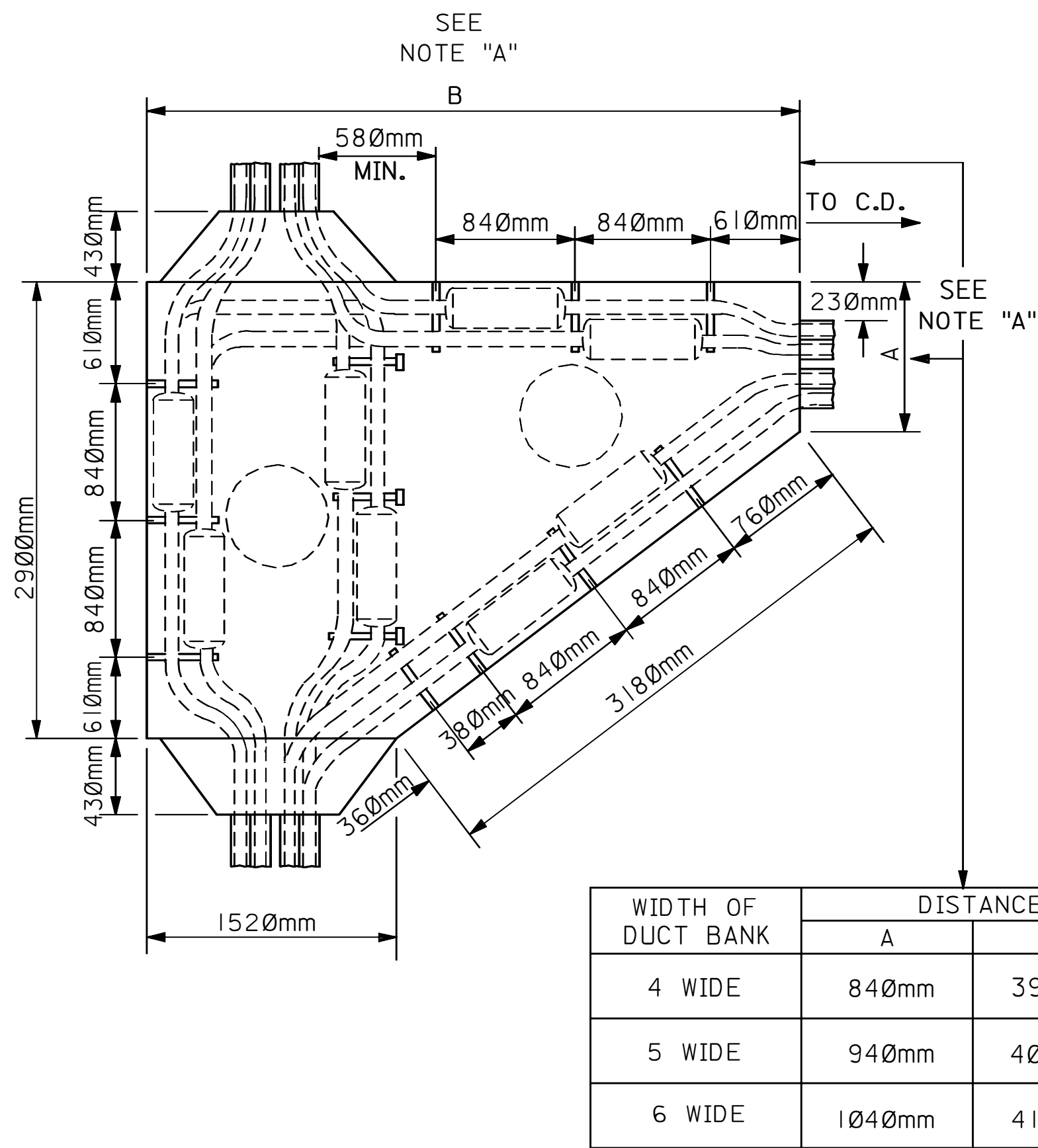
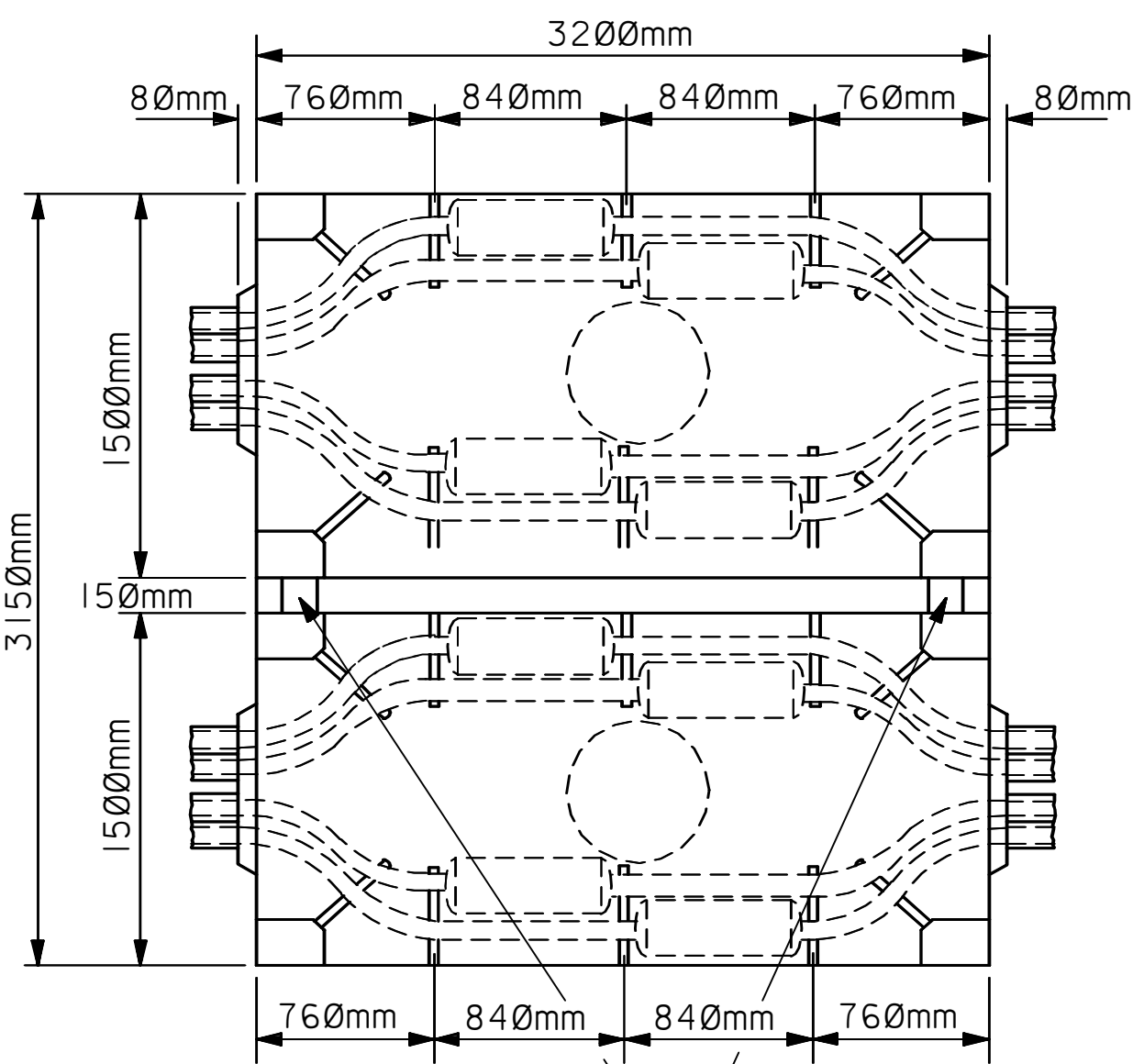




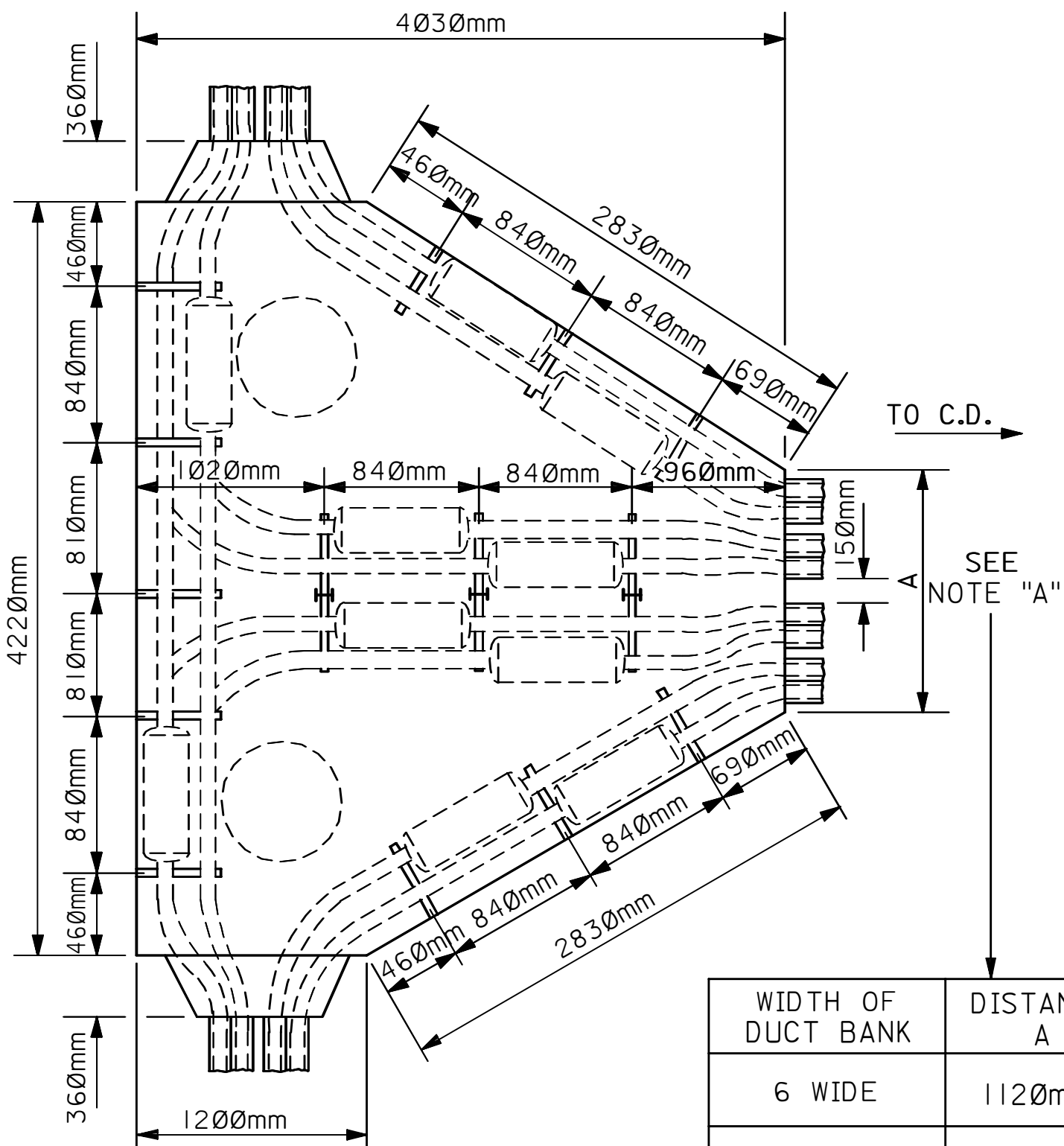
NOTE "A"

MODIFIED TYPE V MANHOLE -  
DOUBLE RACKING



PLACE 150mm (6") STRAIGHT SECTIONS OF CONDUIT THROUGH CENTER WALL FOR CABLES CONNECTING THE TWO COMPARTMENTS AND ALSO FOR SPACERS BETWEEN THE FORMS

CENTER RACK MANHOLE - DOUBLE  
RACKING WITH DIVIDING WALL



| WIDTH OF DUCT BANK | DISTANCE A |
|--------------------|------------|
| 6 WIDE             | 1120mm     |
| 7 WIDE             | 1320mm     |
| 8 WIDE             | 1500mm     |

NOTE "A"

TYPE V MANHOLE -  
DOUBLE RACKING

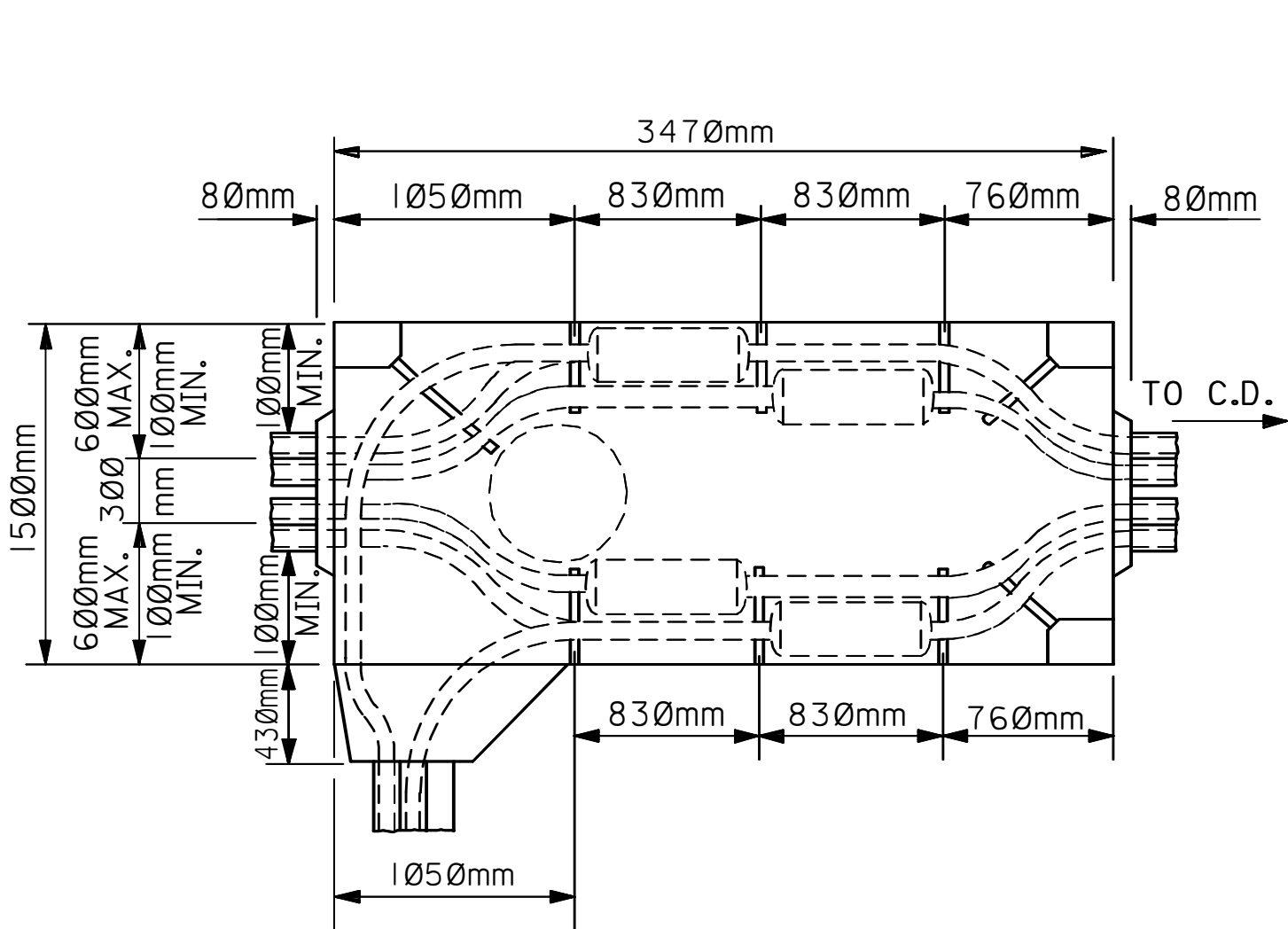
NUMBER OF CABLE RACKS PER VERTICAL

| NUMBER OF RACKS | 14 HOLE RACKS |
|-----------------|---------------|
| HEADROOM*       |               |
| 1650mm          | 2             |
| 1800mm          | 2             |
| 1950mm          | 3             |
| 2100mm          | 3             |
| 2250mm          | 3             |
| 2400mm          | 3             |
| 2550mm          | 4             |
| 2700mm          | 4             |
| 2850mm          | 4             |
| 3000mm          | 4             |
| 3130mm          | 5             |
| 3300mm          | 5             |

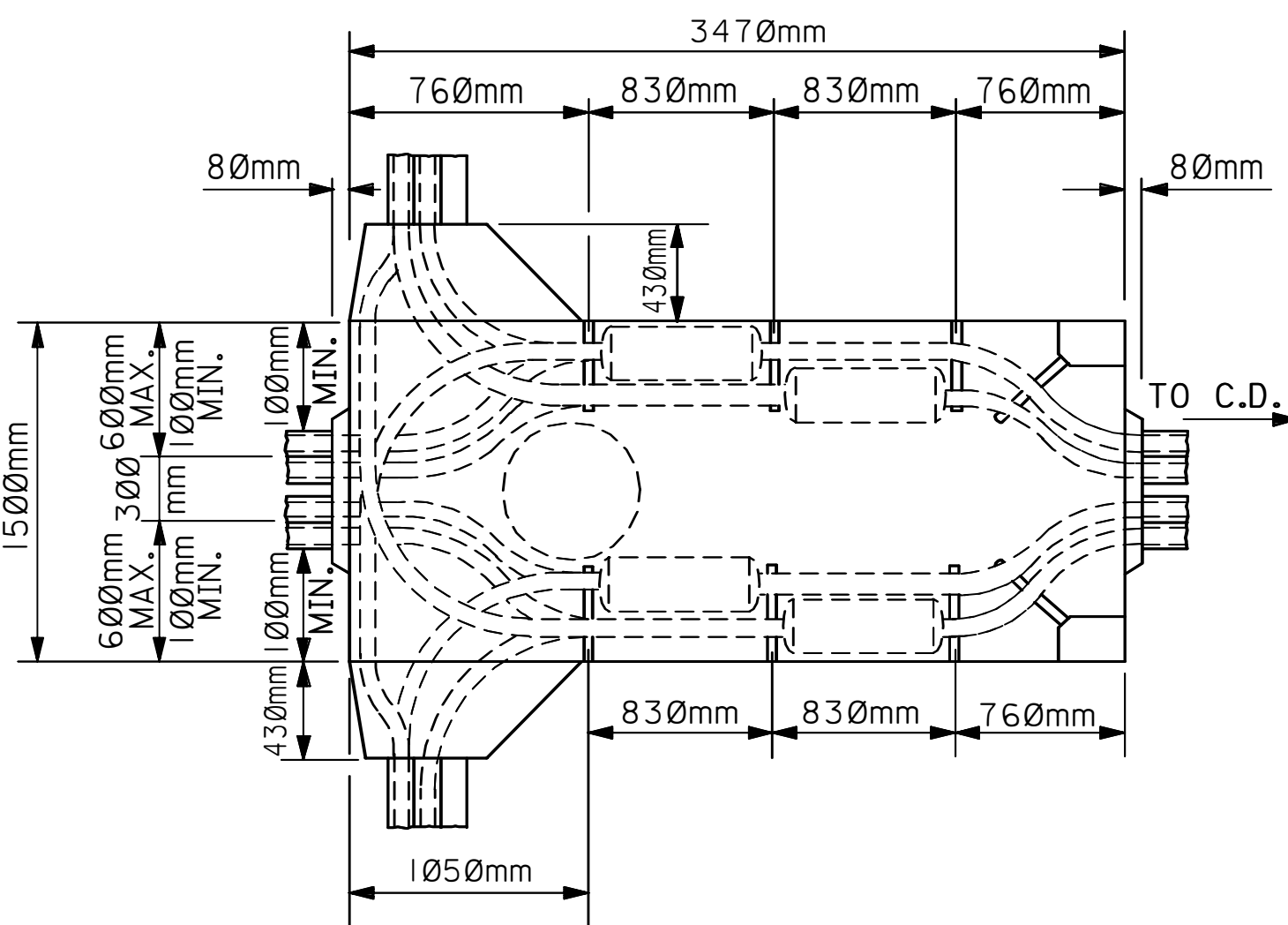
\* IN LOADING MANHOLES HEADROOM MEASUREMENTS REFER ONLY TO THAT PORTION OF THE WALL HEIGHT REQUIRED FOR CABLE RACKING. EXCLUDED IS SPACE IN THE LOWER PART OF THE MANHOLE ABOVE THE FLOOR RESERVED FOR COIL CASES.

| SIZE OF RACK  | DISTANCE BETWEEN BOLT HOLES | LENGTH OVERALL |
|---------------|-----------------------------|----------------|
| 14 HOOK HOLES | 570mm                       | 600mm          |

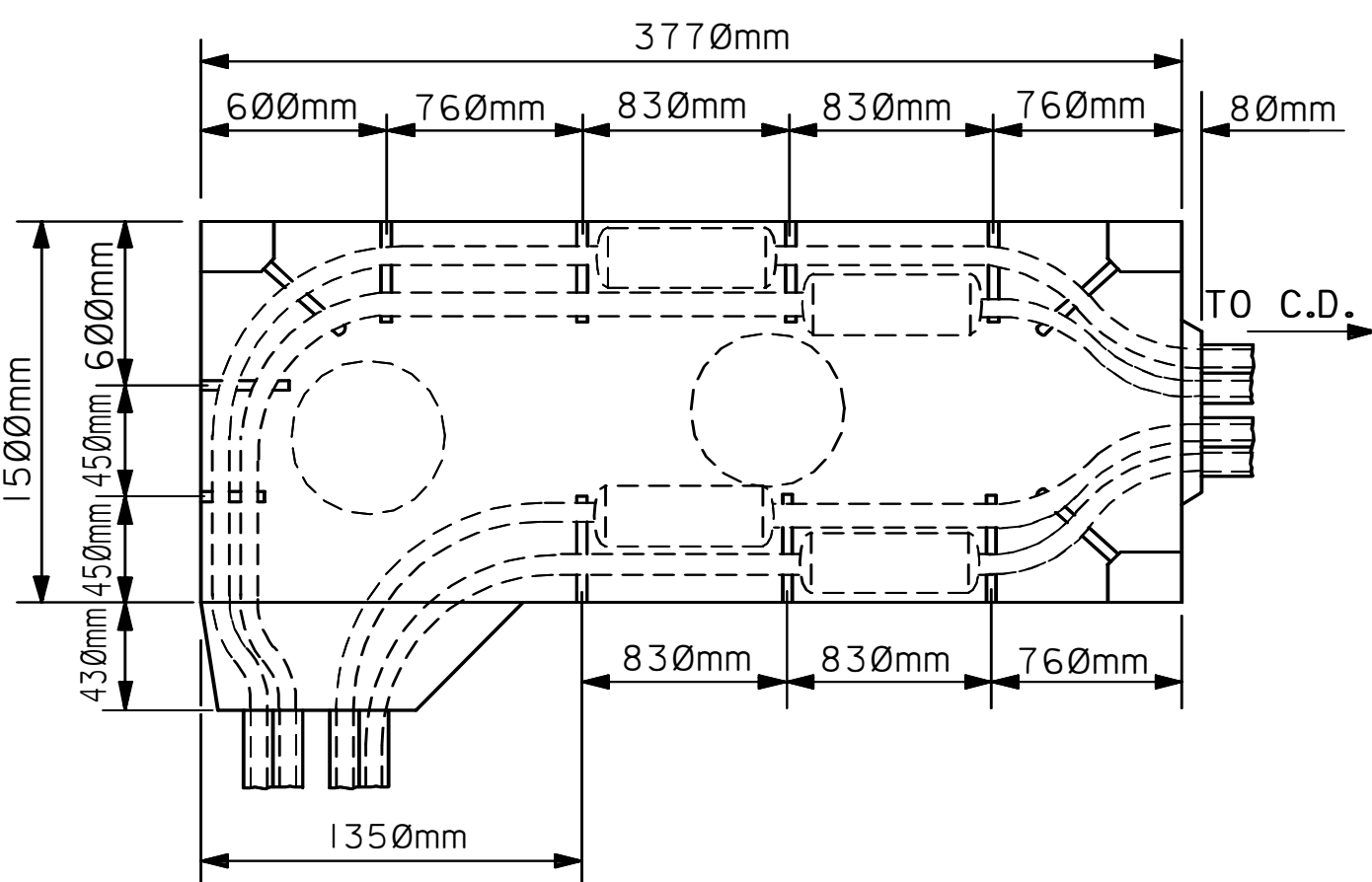
ACS-T-622-500-204



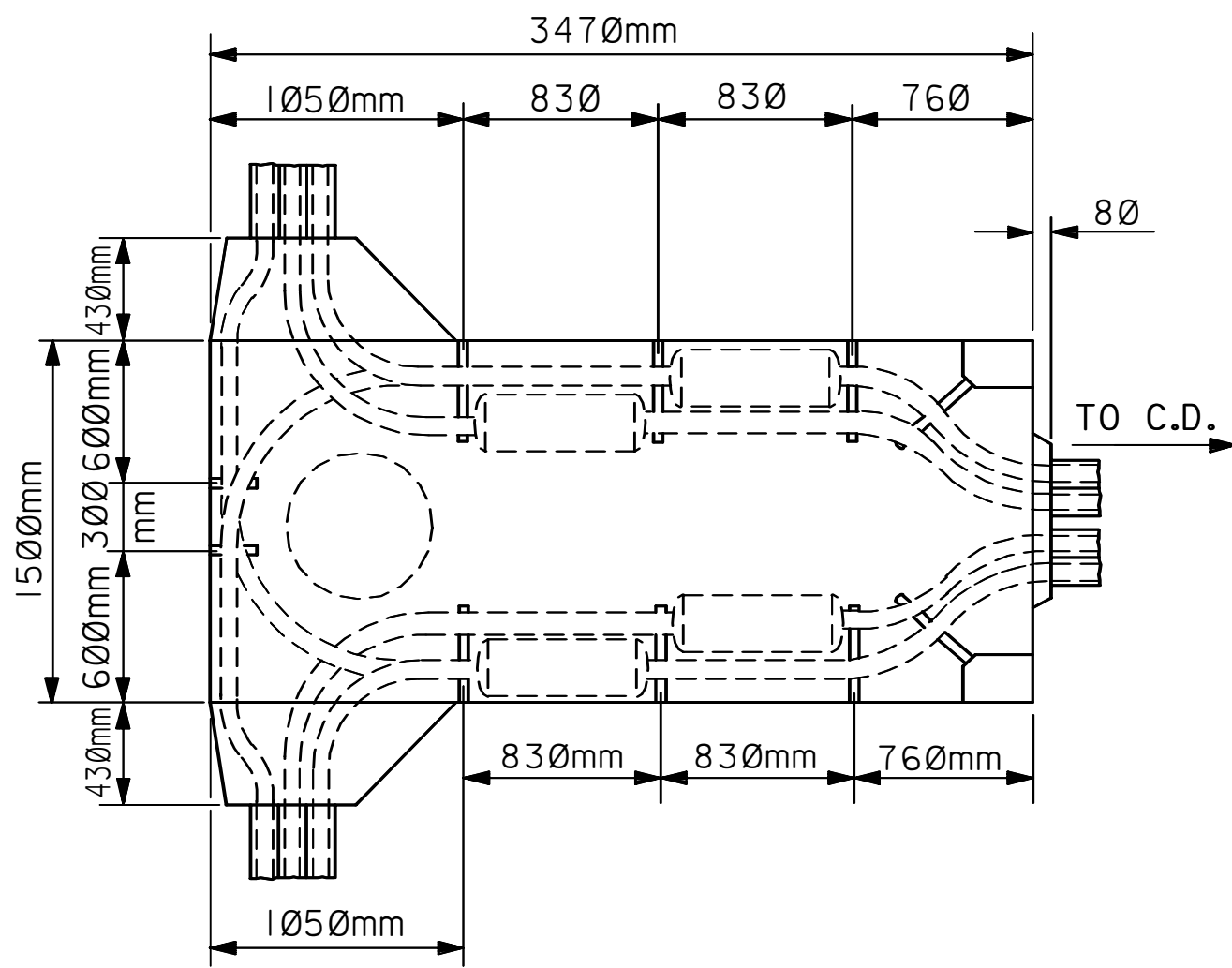
TYPE J-3 MANHOLE - DOUBLE RACKING



TYPE J-4 MANHOLE - DOUBLE RACKING



TYPE L MANHOLE - DOUBLE RACKING



TYPE T MANHOLE - DOUBLE RACKING

NOTES:

SEE CONSTRUCTION NOTES SHEET #1 OF 4.

|          |      |    |             |       |       |       |
|----------|------|----|-------------|-------|-------|-------|
| REV. NO. | DATE | BY | DESCRIPTION | CHKD. | CERT. | APPD. |
|          |      |    |             |       |       |       |
|          |      |    |             |       |       |       |
|          |      |    |             |       |       |       |

SAUDI ARABIAN OIL COMPANY

DRAWN BY A.B.M.S. CHECKED BY \_\_\_\_\_ SCALE: N.T.S.

DATE STARTED \_\_\_\_\_ DATE COMPLETED \_\_\_\_\_

OPRG. DEPT. \_\_\_\_\_ ENG. DEPT. \_\_\_\_\_ ORIGINAL SIGNED \_\_\_\_\_

FIRE & SAFETY \_\_\_\_\_

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED

CERTIFIED BY \_\_\_\_\_ DATE \_\_\_\_\_

COMMUNICATION SPECIAL MANHOLES  
RACKING DETAILS

METRIC STD. DWG. SAUDI ARABIA

|               |           |       |                |          |          |
|---------------|-----------|-------|----------------|----------|----------|
| JOB ORDER NO. | PLANT NO. | INDEX | DRAWING NUMBER | SHT. NO. | REV. NO. |
|               | 990       | T     | AA-036374      | 4of4     | 0        |