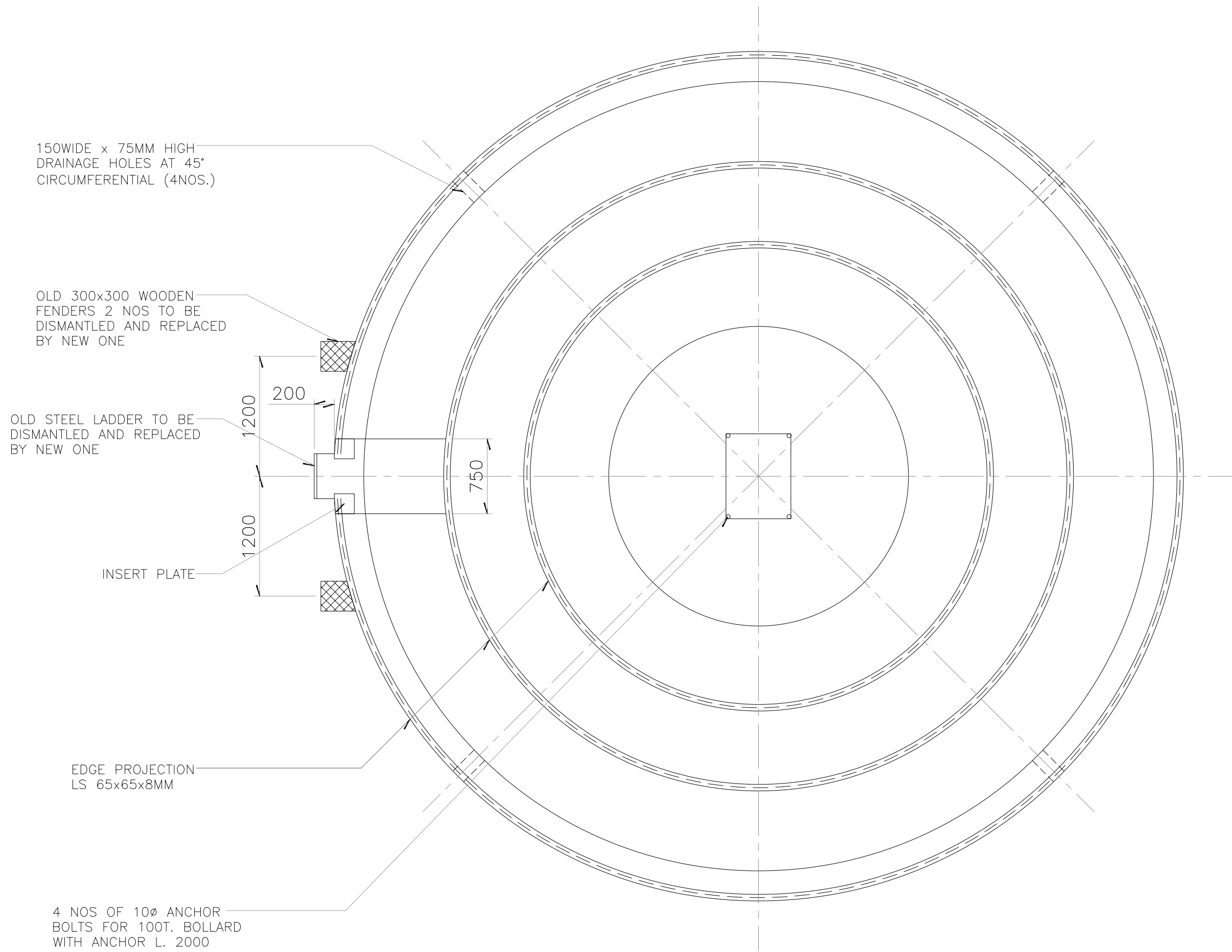
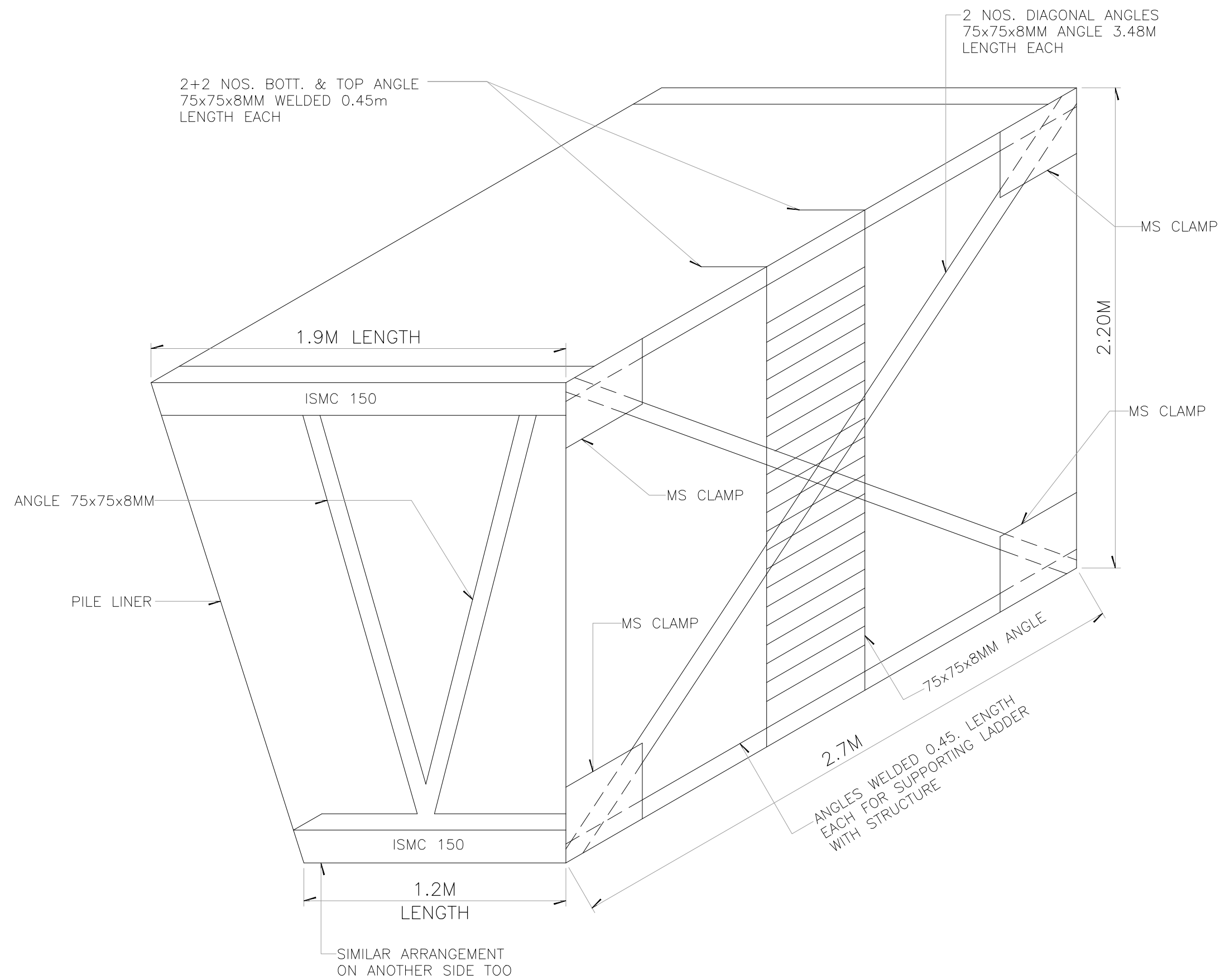


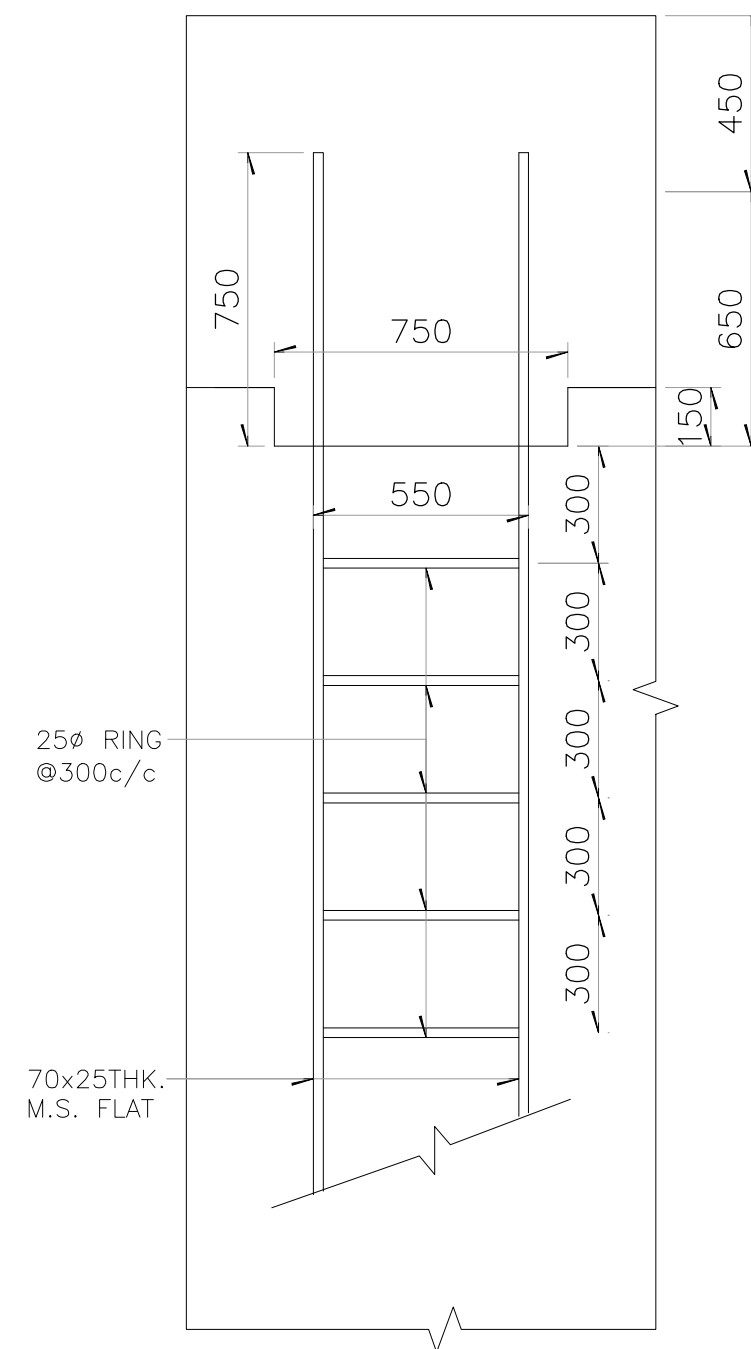
CROSS SECTION OF MOORING DOLPHINS



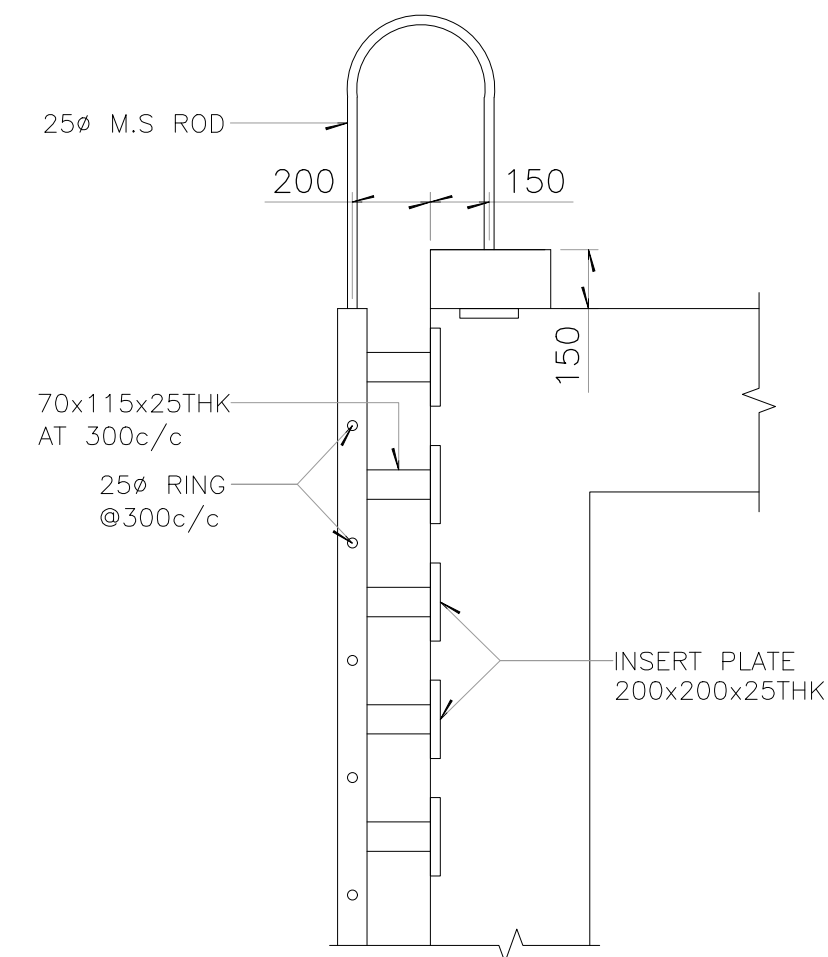
PLAN AT A-A  
(FOR GENERAL ARRANGEMENT FOR MOORING DOLPHINS)



SKETCH SHOWING SUPPORTING A STRUCTURE FOR WOODEN FENDER, STEEL LADDER AT OIL JETTY DOLPHINS



VIEW B-B  
(OF STEEL LADDER)




TYPICAL DETAILS OF STEEL LADDER AT MOORING DOLPHIN

- NOTES:
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED AND ALL ELEVATIONS ARE IN METERS WITH RESPECTIVE TO CHART DATUM
  - GRADE OF CONCRETE MIX SHALL BE M-40 CONFIRMING TO IS 456-2000
  - REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH DEFORMED BARS OF GRADE FE 500D CONFIRMING TO IS 1786-2007
  - BAR BENDING SCHEDULE OF ALL REINFORCEMENT SHALL BE PREPARED AT SITE BY THE VENDOR
  - UNLESS OTHERWISE MENTIONED DEVELOPMENT LENGTH SHALL BE TAKEN AS 45 X DIAMETER
  - NOT MORE THAN 50% OF REINFORCEMENT BARS SHALL BE LAPPED AT A PARTICULAR SECTION
  - CLEAR COVER TO ALL REINFORCEMENT (INCLUDING LINKS) IN VARIOUS RCC ELEMENTS SHALL BE TAKEN FOLLOWS  
A. PILE CAP = 75MM  
B. OTHER RCC MEMBERS = 50MM  
C. FENDER COLUMN = 75MM

NOTE:  
THIS DRAWING SHALL BE READ IN CONJUNCTION WITH OLD DRAWINGS OF EXISTING STRUCTURE AND CONFIRM THE SAME WITH SITE CONDITION BEFORE THE START OF WORK.

FINAL GFC DRAWING

|   |                           |             |              |       |  |
|---|---------------------------|-------------|--------------|-------|--|
|   |                           |             |              |       |  |
|   |                           |             |              |       |  |
|   |                           |             |              |       |  |
| RD-A/17.09.21   | FOR APPROVAL              |             |              |       |  |
| REV.  | DATE                      | DESCRIPTION | DESIGN CHK'D | APP'D |  |
| ENGINEERING CONSULTANT  |                           |             |              |       |  |
|  INDIAN INSTITUTE OF TECHNOLOGY BOMBAY |                           |             |              |       |  |
| CLIENT NAME   |                           |             |              |       |  |
| DEENDAYAL PORT TRUST KANDLA, GUJARAT  |                           |             |              |       |  |
| PROJECT NAME  |                           |             |              |       |  |
| OIL JETTY NO.3 AT KANDLA PORT   |                           |             |              |       |  |
| TITLE IMPROVING AND REPLACING FENDERS & STEEL LADDERS IN SIDE OIL JETTY AREA  |                           |             |              |       |  |
| DRAWN: BM   | DWG NO: IITB_DPT_GFC_8004 | REV         | REV          |       |  |
| SCALE: AS SHOWN   |                           |             | RD-A         |       |  |

