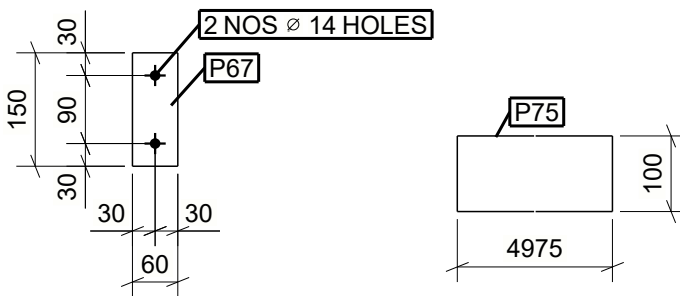
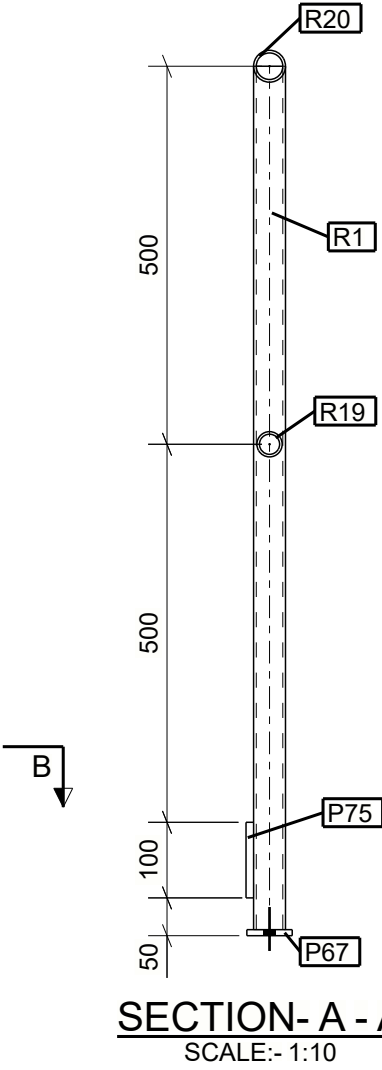
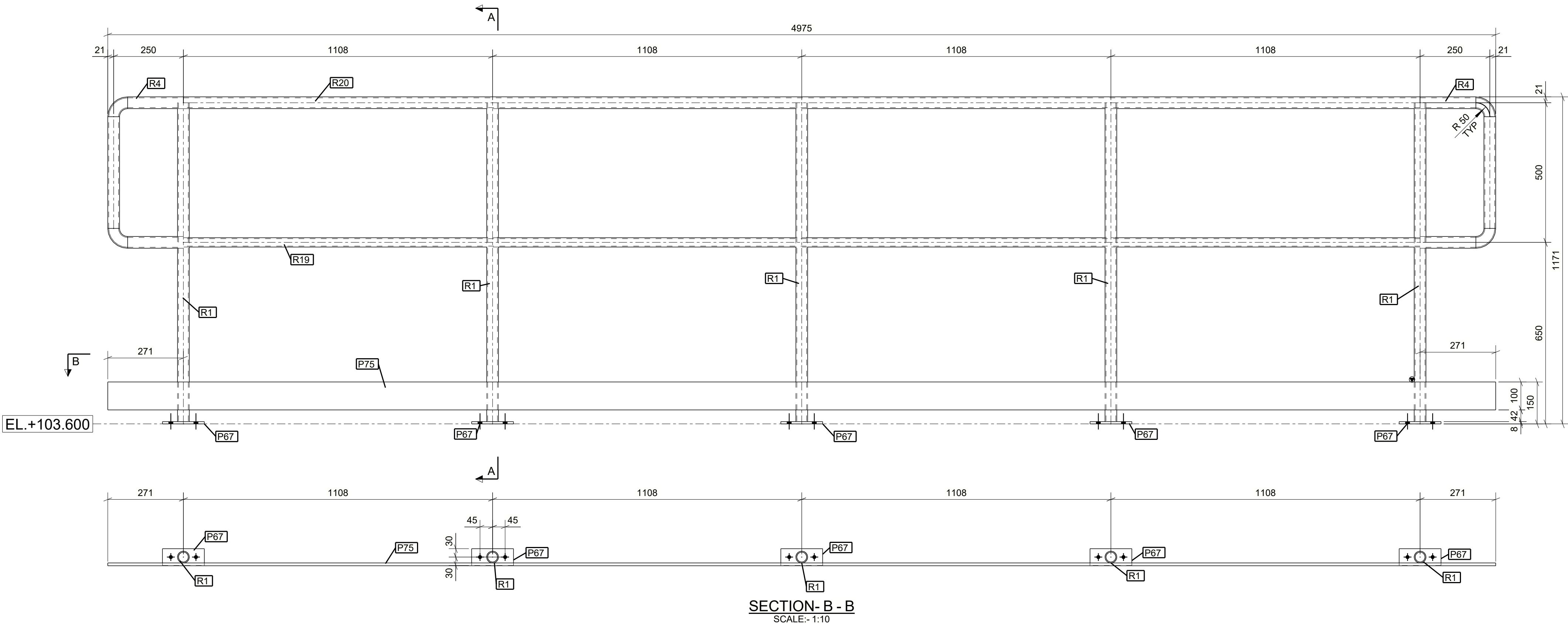


| GRID LOCATION ( TABLE-1 ) |      |             |
|---------------------------|------|-------------|
| HR13                      | E/13 | EL +104.771 |
| HR13                      | E/16 | EL +104.771 |
| HR13                      | E/17 | EL +104.771 |
| HR13                      | F/16 | EL +104.771 |
| HR13                      | F/17 | EL +104.771 |



| MATERIAL LIST FOR ONE ASSEMBLY MK'D HR13- 5 NOS.Required |             |        |        |      |             |              |
|--|-------------|--------|--------|------|-------------|--------------|
| MARK   | DESCRIPTION | GRADE  | LENGTH | QTY. | UNIT WT(KG) | TOTAL WT(KG) |
| P67  | PL8*60      | IS2062 | 150    | 5    | 0.57        | 2.826        |
| P75  | PL10*100    | IS2062 | 4975   | 1    | 39.05       | 39.054       |
| R1   | PIPE32STD   | IS2062 | 1142   | 5    | 3.59        | 17.929       |
| R4   | PIPE32STD   | IS2062 | 542    | 2    | 3.09        | 6.183        |
| R19  | PIPE25STD   | IS2062 | 4433   | 1    | 10.33       | 10.327       |
| R20  | PIPE32STD   | IS2062 | 4433   | 1    | 13.92       | 13.919       |
| TOTAL FOR ONE ASSEMBLY IN Kg                             |             |        |        |      | =           | 90.238       |
| TOTAL FOR 5 ASSEMBLIES IN Kg                             |             |        |        |      | =           | 451.190      |

| BOLT LIST FOR ONE ASSEMBLY |      |             |     |
|----------------------------|------|-------------|-----|
| Type                       | Size | Length (mm) | Qty |
| Gr.8.8                     | M12  | 50          | 10  |

- NOTES :
1. ALL DIMENSIONS ARE IN MILLIMETERS, ELEVATIONS ARE IN METERS UNLESS OTHERWISE NOTED.
  2. ALL STRUCTURAL STEEL SHALL CONFIRM TO IS : 2062 (GRADE 250BR)
  3. ALL CONCRETE GRADE SHALL BE M30.
  4. FILLET WELD SHALL BE OF MINIMUM 6MM SIZE FOR SHOP WELD AND 8MM FOR SITE WELD UNLESS NOTED OTHERWISE.
  5. COLUMNS SHALL HAVE FULL BEARING ON BASE PLATES U.N.O.
  6. WORKING POINTS SHALL BE W.R.T. CG LINES FOR WELDED CONSTRUCTION AND W.R.T. GAUGE LINES FOR BOLTED CONSTRUCTION.
  7. GRATING THICKNESS TO BE 25 MM

|   |                                   |                         |           |         |         |
|---|-----------------------------------|-------------------------|-----------|---------|---------|
| 0   | 04.02.2025                        | ISSUED FOR CONSTRUCTION | SKJ       | ABH     | CS      |
| REV   | DATE                              | DESCRIPTION             | DRAWN. BY | CHK. BY | APP. BY |
| <div><div></div><div><b>CLIENT:</b><br/><b>AARTI INDUSTRIES LIMITED.</b><br/>(EMERALD OFFICE) - Block No. 1, 3rd Floor, Keval Corporate Park, Opp. to Channi GEB Sub-station, Chhani, Vadodara - 390002, Gujarat, In<br/>Tel : (0260) 2400366, 2400153, 2400059,<br/>Website : <a href="http://www.aarti-industries.com">www.aarti-industries.com</a></div></div> |                                   |                         |           |         |         |
| <div><div></div><div><b>CONSULTANT :</b><br/><b>TECHIN PROCESS TECHNOLOGIES PVT. LTD.</b><br/>Unit No. 402-B, Universal Business Park, Chandivali Farm Road, Chandivali, Andheri-E, Mumbai-400072.</div></div>  |                                   |                         |           |         |         |
| PROJECT NO : PJ-3014  |                                   |                         |           |         |         |
| PROJECT NAME : PIN-084 PROCESS PAD AREA PIPERACK SUPERSTRUCTURE   |                                   |                         |           |         |         |
| DRAWING TITLE : FABRICATION DRAWING OF PIPERACK,SHED & STAIRCASE OF PROCESS PAD AREA  |                                   |                         |           |         |         |
| AIL PROJECT NO : PIN-084  |                                   |                         |           |         |         |
| SIZE  | DWG NO.                           |                         |           | SHEET   | REV NO. |
| A1  | PIN-084-TPT-PM4-CS11-002-FAB-HR13 |                         |           | 1 OF 1  | 0       |

5-HANDRAILS MARKED AS HR13