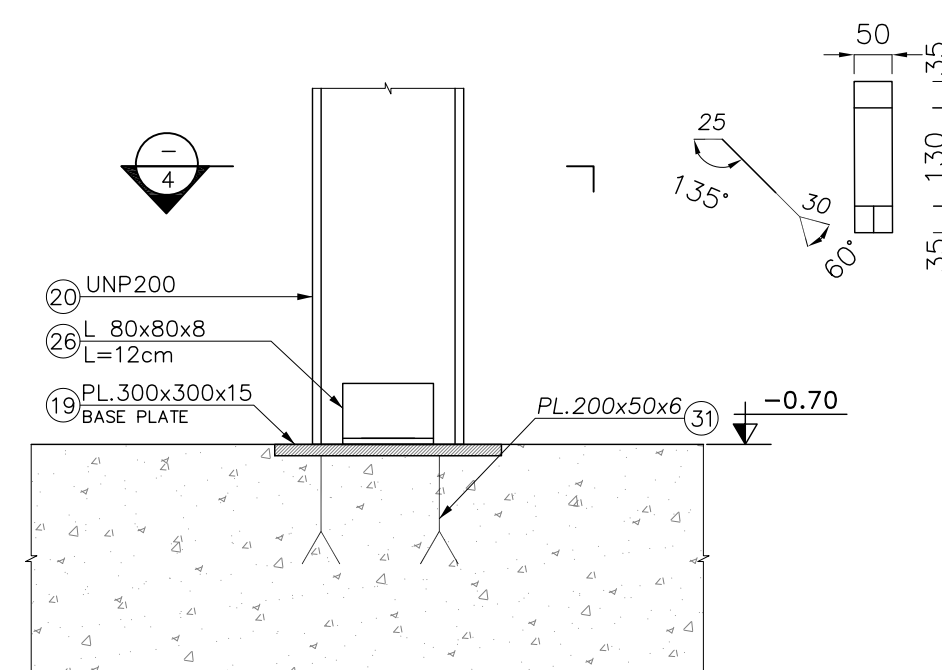
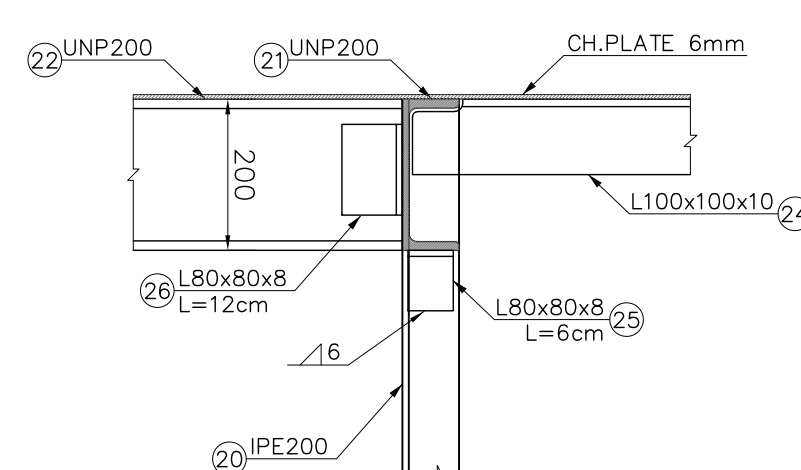
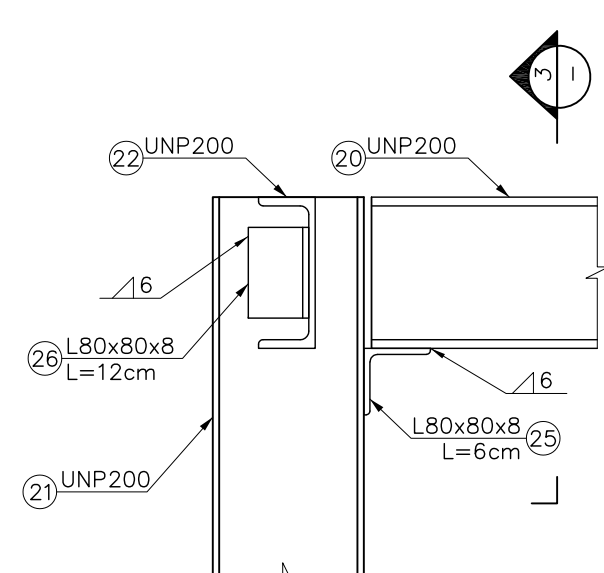
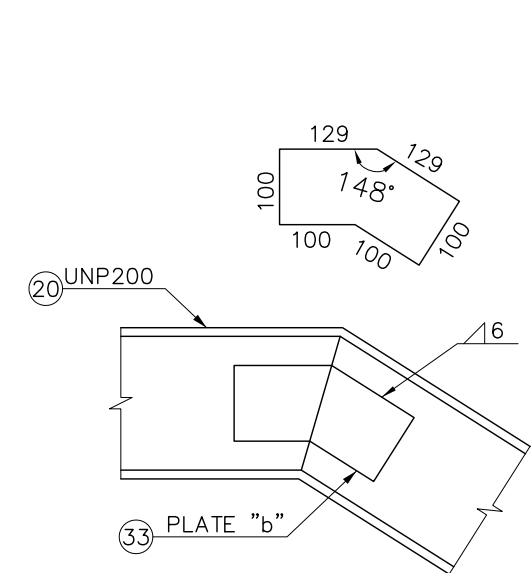
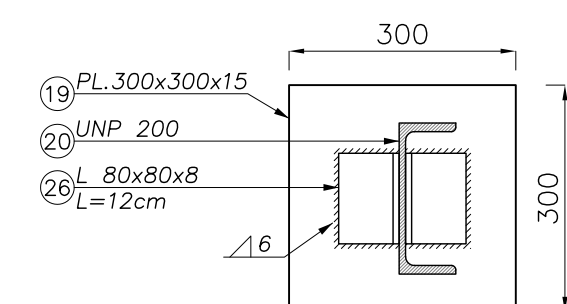
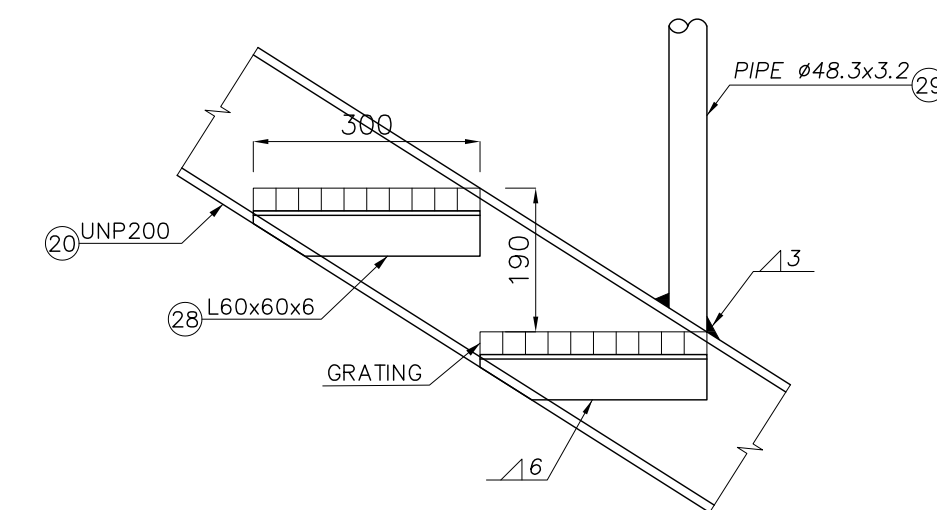
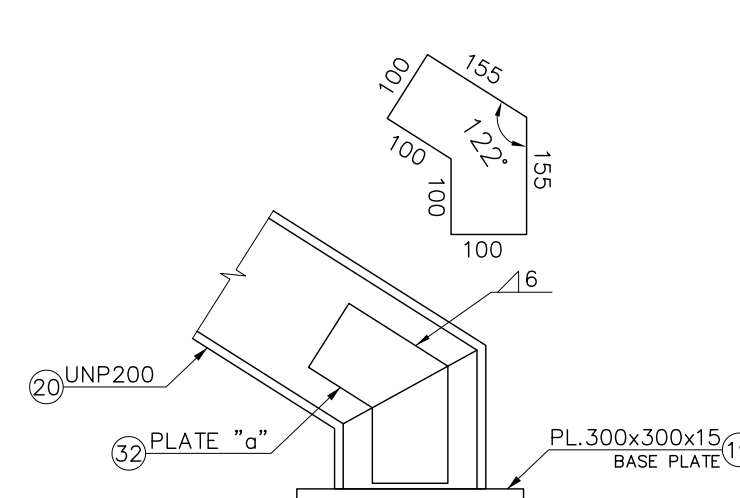
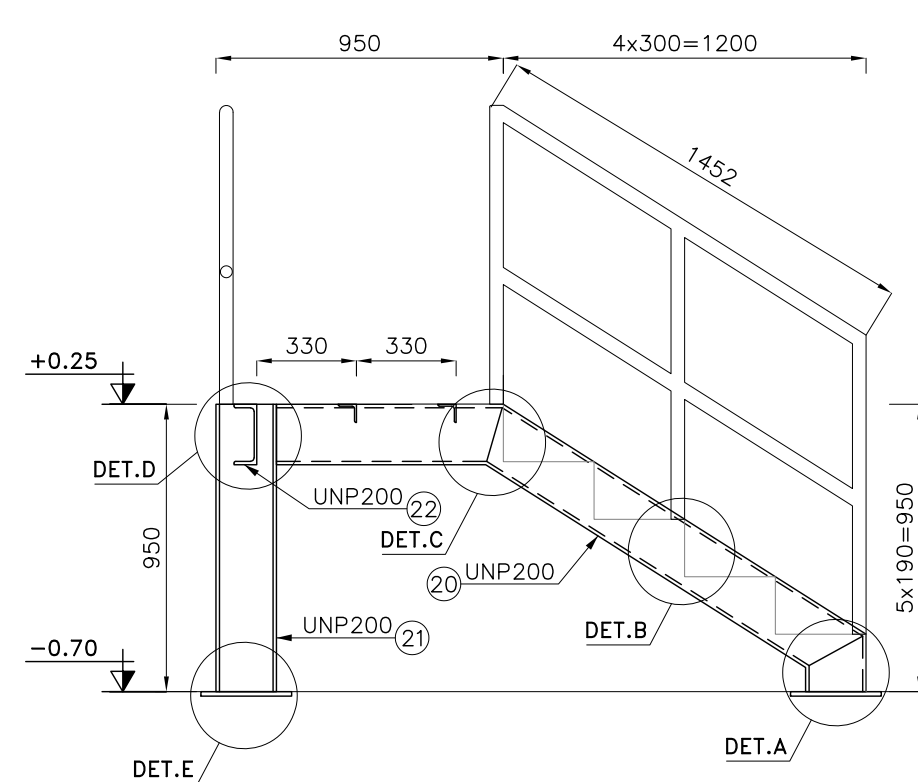
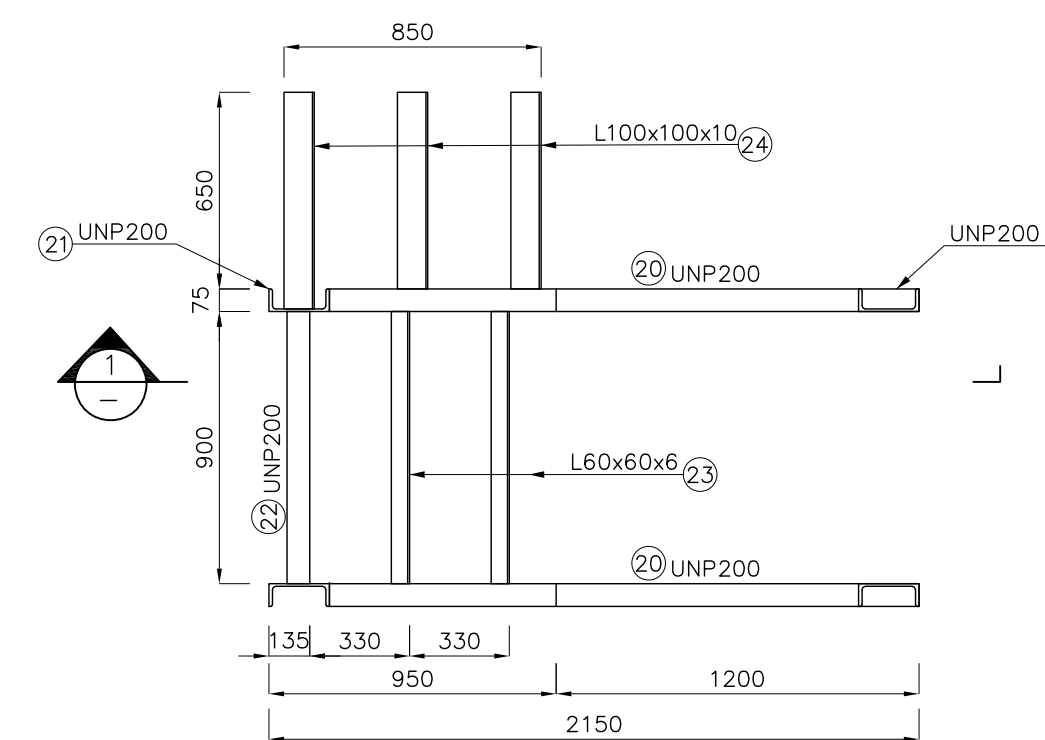
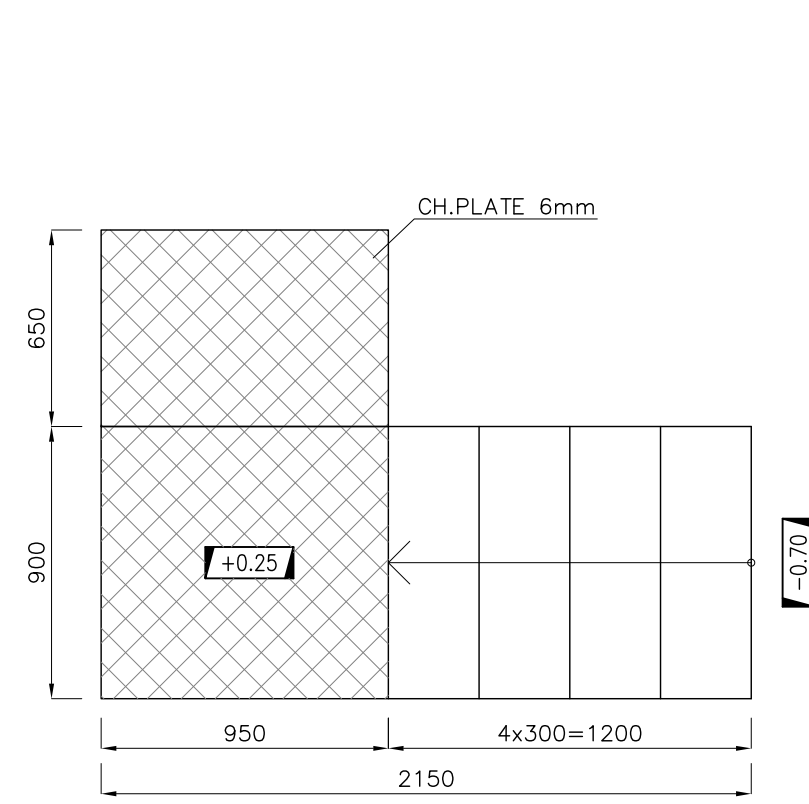
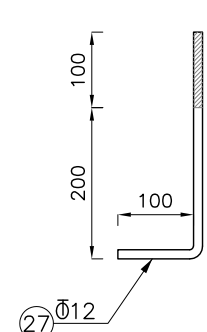
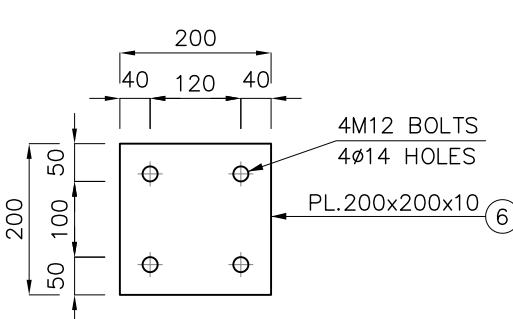
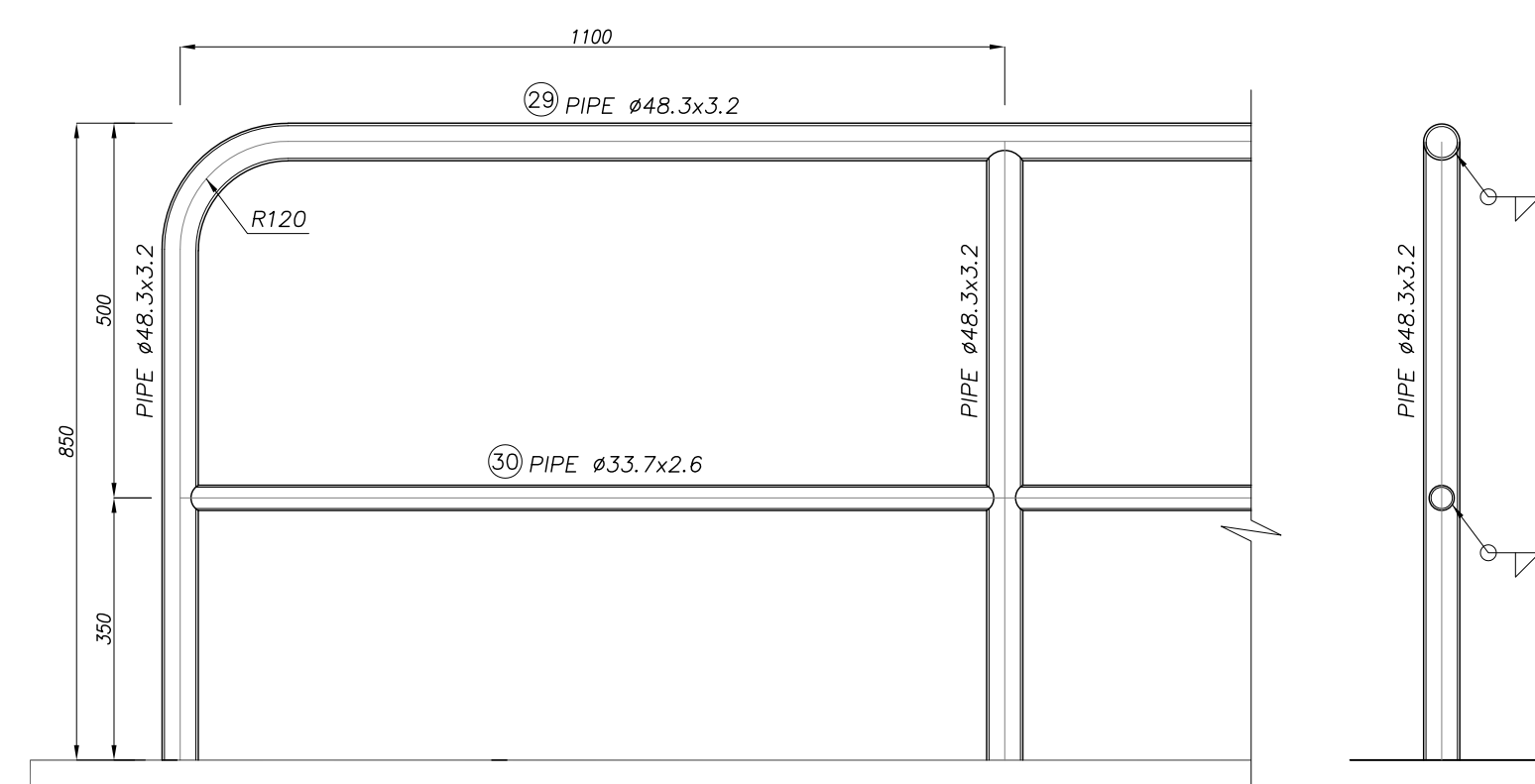




| BAR BENDING SCHEDULE        |    |      |                 |            |                  |        |             |         |          |        |        |       |
|-----------------------------|----|------|-----------------|------------|------------------|--------|-------------|---------|----------|--------|--------|-------|
| PROJECT TITLE :             |    |      |                 | CHNO:      | COMMENT:         |        | DWG. NO.    |         |          |        |        |       |
| LIME PLANT WEIGHING STATION |    |      |                 | DATE:      |                  |        |             |         |          |        |        |       |
| BARSDO CONSULTING ENGINEERS |    |      |                 | APPD:      |                  |        | PAGE 1 OF 1 |         |          |        |        |       |
| Pos.                        | #  | No.  | UNIT LENGTH (m) | SHAPE (mm) | TOTAL LENGTH (m) |        |             |         |          |        |        |       |
|                             |    |      |                 |            | Ø6               | Ø8     | Ø10         | Ø12     | Ø14      | Ø16    | Ø18    | Ø20   |
| 1                           | 12 | 240  | 2.55            |            |                  |        |             | Ø12.00  |          |        |        |       |
| 2                           | 12 | 48   | 2.27            |            |                  |        |             | 108.96  |          |        |        |       |
| 3                           | 12 | 48   | 2.52            |            |                  |        |             | 120.96  |          |        |        |       |
| 4                           | 14 | 32   | 2.29            |            |                  |        |             |         | 73.28    |        |        |       |
| 5                           | 12 | 48   | 1.63            |            |                  |        |             | 73.28   |          |        |        |       |
| 6                           | 12 | 48   | 1.87            |            |                  |        |             | 78.24   |          |        |        |       |
| 7                           | 12 | 14   | 1.94            |            |                  |        |             |         | 23.28    |        |        |       |
| 8                           | 16 | 8    | 0.63            |            |                  |        |             |         | 5.04     |        |        |       |
| 9                           | 20 | 10   | 1.40            |            |                  |        |             |         |          |        |        | 14.00 |
| 10                          | 14 | 84   | 14.31           |            |                  |        |             |         | 1202.04  |        |        |       |
| 11                          | 14 | 84   | 14.35           |            |                  |        |             |         | 1205.40  |        |        |       |
| 12                          | 14 | 680  | 7.95            |            |                  |        |             |         | 5406.00  |        |        |       |
| 13                          | 14 | 340  | 1.55            |            |                  |        |             |         | 527.00   |        |        |       |
| 14                          | 14 | 4488 | 1.15            |            |                  |        |             |         | 516.20   |        |        |       |
| 15                          | 14 | 40   | 1.85            |            |                  |        |             |         | 74.00    |        |        |       |
| 16                          | 14 | 528  | 1.50            |            |                  |        |             |         | 792.00   |        |        |       |
| 17                          | 14 | 16   | 12.00           |            |                  |        |             |         | 192.00   |        |        |       |
| 18                          | 14 | 16   | 5.06            |            |                  |        |             |         | 80.96    |        |        |       |
| 19                          | 14 | 324  | 1.70            |            |                  |        |             |         | 550.80   |        |        |       |
| 20                          | 14 | 128  | 4.35            |            |                  |        |             |         | 556.80   |        |        |       |
| 21                          | 14 | 184  | 2.05            |            |                  |        |             |         | 377.20   |        |        |       |
| 22                          | 14 | 128  | 2.84            |            |                  |        |             |         | 363.52   |        |        |       |
| 23                          | 14 | 96   | 3.29            |            |                  |        |             |         | 315.84   |        |        |       |
| 24                          | 18 | 96   | 1.95            |            |                  |        |             |         | 89.76    |        |        |       |
| 25                          | 12 | 12   | 6.85            |            |                  |        |             |         | 82.20    |        |        |       |
| 26                          | 12 | 12   | 4.85            |            |                  |        |             |         | 58.20    |        |        |       |
| 27                          | 10 | 44   | 1.60            |            |                  |        | 70.40       |         |          |        |        |       |
| 28                          | 16 | 48   | 1.65            |            |                  |        |             |         | 79.20    |        |        |       |
| 29                          | 16 | 48   | 5.05            |            |                  |        |             |         | 242      |        |        |       |
| 30                          | 10 | 230  | 1.40            |            |                  |        | 462.00      |         |          |        |        |       |
| 31                          | 10 | 248  | 0.50            |            |                  |        | 124.00      |         |          |        |        |       |
| 32                          | 18 | 8    | 8.00            |            |                  |        |             |         |          |        | 64.00  |       |
| 33                          | 16 | 8    | 7.90            |            |                  |        |             |         |          | 63.20  |        |       |
| 34                          | 18 | 8    | 6.00            |            |                  |        |             |         |          |        | 48.00  |       |
| 35                          | 16 | 8    | 5.90            |            |                  |        |             |         |          | 47.20  |        |       |
| 36                          | 12 | 48   | 1.60            |            |                  |        |             | 76.80   |          |        |        |       |
| 37                          | 14 | 27   | 1.00            |            |                  |        |             |         | 27.00    |        |        |       |
| 38                          | 8  | 56   | 0.58            |            |                  |        | 32.40       |         |          |        |        |       |
| 39                          | 8  | 324  | 1.00            |            |                  |        | 324.00      |         |          |        |        |       |
| 40                          | 8  | 26   | 1.52            |            |                  |        | 39.52       |         |          |        |        |       |
| 41                          | 16 | 133  | 1.00            |            |                  |        |             |         | 162.00   |        | 133.00 |       |
| 42                          | 12 | 162  | 1.00            |            |                  |        |             |         |          |        |        |       |
| 43                          | 6  | 74   | 1.00            |            |                  | 74.00  |             |         |          |        |        |       |
| TOTAL LENGTH (m)            |    |      |                 |            | 74.00            | 396.00 | 656.40      | 1389.12 | 16928.32 | 570.04 | 299.20 | 14.00 |
| UNIT WEIGHT (Kg/m)          |    |      |                 |            | 0.222            | 0.395  | 0.617       | 0.888   | 1.210    | 1.580  | 2.000  | 2.470 |
| WEIGHT (Kg)                 |    |      |                 |            | 16.43            | 156.42 | 405.00      | 1233.54 | 20483.37 | 900.66 | 598.40 | 34.58 |
| GRAND TOTAL WEIGHT (Kg)     |    |      |                 |            | 23828.30         |        |             |         |          |        |        |       |

| PROFILE SCHEDULE             |                |      |            |            |                    |                  |                   |             |  |
|------------------------------|----------------|------|------------|------------|--------------------|------------------|-------------------|-------------|--|
| PROJECT TITLE                |                |      |            | CHORD      |                    | COMMENT:         |                   | DRG. NO.    |  |
| LIME PLANT WEIGHING STATION  |                |      |            | APPRO:     |                    |                  |                   |             |  |
| BARROSS CONSULTING ENGINEERS |                |      |            | DATE:      |                    |                  |                   |             |  |
|                              |                |      |            |            |                    |                  |                   | PAGE 1 OF 1 |  |
| POS.                         | PROFILE        | NO.  | LENGTH (m) | SHAPE (mm) | UNIT WEIGHT (kg/m) | UNIT WEIGHT (kg) | TOTAL WEIGHT (kg) |             |  |
| 1                            | L50x5x5        | 8    | 2.90       |            | 3.77               |                  | 87.46             |             |  |
| 2                            | L50x5x5        | 16   | 2.00       |            | 3.77               |                  | 120.64            |             |  |
| 3                            | PL 130X50X5    | 1740 |            |            |                    | 0.26             | 433.70            |             |  |
| 4                            | PL 200x60X10   | 8    |            |            |                    | 9.42             | 75.36             |             |  |
| 5                            | PIPE 4"        | 2    | 0.30       |            | 11.90              |                  | 7.14              |             |  |
| 6                            | PL 200x200X10  | 148  |            |            |                    | 3.14             | 464.72            |             |  |
| 7                            | L50x5x5        | 4    | 16.06      |            | 3.77               |                  | 242.18            |             |  |
| 8                            | L100x100x10    | 16   | 1.50       |            | 13.40              |                  | 321.60            |             |  |
| 9                            | PL 600x600x20  | 16   |            |            |                    | 56.52            | 904.32            |             |  |
| 10                           | BOLT M25       | 64   | 0.60       |            | 3.85               |                  | 161.66            |             |  |
| 11                           | L50x5x5        | 16   | 13.95      |            | 3.77               |                  | 184.16            |             |  |
| 12                           | L100x100x10    | 4    | 1.50       |            | 13.40              |                  | 176.88            |             |  |
| 13                           | PIPE 4"        | 52   | 0.30       |            | 11.90              |                  | 928.20            |             |  |
| 14                           | PIPE 4"        | 88   | 0.30       |            | 11.90              |                  | 314.16            |             |  |
| 15                           | PIPE 4"        | 4    | 16.06      |            | 11.90              |                  | 764.46            |             |  |
| 16                           | PIPE 4"        | 8    | 1.73       |            | 11.90              |                  | 164.70            |             |  |
| 17                           | PIPE 4"        | 8    | 1.22       |            | 11.90              |                  | 20.94             |             |  |
| 18                           | PIPE 4"        | 4    | 13.00      |            | 11.90              |                  | 618.80            |             |  |
| 19                           | PL 300x300x15  | 8    |            |            |                    | 10.60            | 84.80             |             |  |
| 20                           | UNP200         | 4    | 2.30       |            | 25.10              |                  | 230.92            |             |  |
| 21                           | UNP200         | 4    | 0.95       |            | 25.10              |                  | 95.38             |             |  |
| 22                           | UNP200         | 2    | 0.90       |            | 25.10              |                  | 45.18             |             |  |
| 23                           | L60x60x6       | 4    | 0.90       |            | 5.42               |                  | 19.51             |             |  |
| 24                           | L100x100x10    | 6    | 0.65       |            | 13.40              |                  | 52.26             |             |  |
| 25                           | L80x80x8       | 4    | 0.06       |            | 9.63               |                  | 2.31              |             |  |
| 26                           | L80x80x8       | 12   | 0.12       |            | 9.63               |                  | 13.87             |             |  |
| 27                           | BOLT M12       | 592  | 0.40       |            | 0.888              |                  | 210.28            |             |  |
| 28                           | L60x60x6       | 8    | 0.30       |            | 5.42               |                  | 13.01             |             |  |
| 29                           | PIPE ø48.3x3.2 | 2    | 11.15      |            | 3.56               |                  | 79.39             |             |  |
| 30                           | PIPE ø33.7x2.6 | 2    | 5.40       |            | 1.99               |                  | 21.49             |             |  |
| 31                           | PL 200x50x5    | 16   |            |            |                    | 0.39             | 6.24              |             |  |
| 32                           | PLAT "a"       | 4    |            |            |                    | 0.03             | 0.12              |             |  |
| 33                           | PLAT "b"       | 4    |            |            |                    | 0.02             | 0.08              |             |  |
| TOTAL WEIGHT (kg)            |                |      |            |            |                    |                  | 7531.73           |             |  |



1. All dimensions are specified in millimeters, and all coordinates and elevations are in meters.
2. Reinforced concrete shall achieve the specified compressive strength of  $f_c = 300 \text{ kg/cm}^2$  on cylinder samples with dimensions of  $150 \text{ mm}$  diameter  $\times$   $300 \text{ mm}$  height, unless otherwise noted. The maximum water to cement ratio (W/C) shall not exceed  $0.40$ .
3. Portland cement, Type II, shall be used for all concrete works, with a minimum cement content of  $350 \text{ kg/m}^3$ .
4. Reinforced bars shall have a yield strength of  $4000 \text{ kg/cm}^2$ , conforming to Type A1 specifications.
5. Lean concrete with specified compressive strength of  $f_c = 100 \text{ kg/cm}^2$  and cement content of  $180 \text{ kg/m}^3$  shall be placed immediately after excavation to mitigate soil weathering.
6. Bar overlaps, end hooks, and development lengths shall comply with the requirements of NBIC - 9, Section 9 - 21.
7. Final slopes shall be determined on-site based on actual soil conditions and approved by the site supervision team.
8. All surface in contact with soil shall be protected with a bituminous isolation and proper primer.

$\pm 0.00 = 1799.20$   
(Finished Floor of Control Room)

for TENDER DOCUMENT

[illegible]