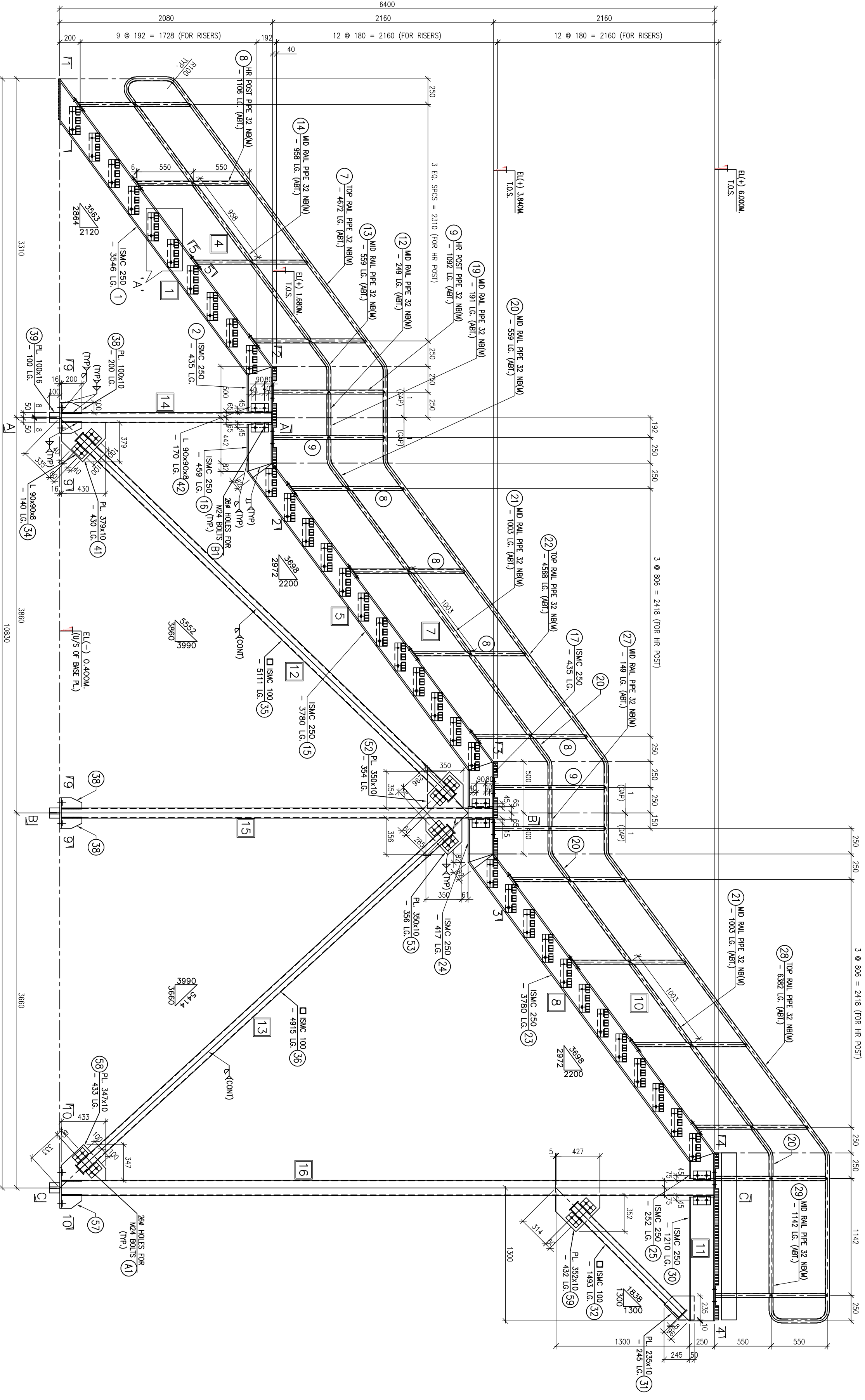




10 NOS STAIRCASE REOD AS DRN MKD ST-1  
(M/S & T/S)

| ABSTRACT    |                |           |                   |
|-------------|----------------|-----------|-------------------|
| SL.NO       | SECTION        | TOTAL WT. | MATL SPECN        |
| 1           | ISMC 250       | 8760.17   | IS-2062-2006 GR-A |
| 2           | ISMC 150       | 4283.33   | IS-2062-2006 GR-A |
| 3           | ISMC 100       | 6801.75   | IS-2062-2006 GR-A |
| 4           | L 90x50x6      | 583.20    | IS-2062-2006 GR-A |
| 5           | L 75x35x6      | 488.34    | IS-2062-2006 GR-A |
| 6           | L 50x50x6      | 987.66    | IS-2062-2006 GR-A |
| 7           | L 65x65x6      | 1846.72   | IS-2062-2006 GR-A |
| 8           | 32 NB (M) PIPE | 2383.19   | IS-2062-2006 GR-A |
| 9           | ROD 20 DIA     | 106.70    | IS-2062-2006 GR-A |
| 10          | GR 25 THK.     | 8506.38   | IS-2062-2006 GR-A |
| 11          | PL 16 THK.     | 992.74    | IS-2062-2006 GR-A |
| 12          | PL 10 THK.     | 4147.62   | IS-2062-2006 GR-A |
| 13          | PL 8 THK.      | 370.77    | IS-2062-2006 GR-A |
| TOTAL WT. = |                | 40811.57  | Kgs.              |

| BILL OF MATERIALS PART-II |          |             |             |           |                   |
|---------------------------|----------|-------------|-------------|-----------|-------------------|
| SECTION NO.               | ITEM NO. | SECTION     | LENGTH      | UNIT      | REMARKS           |
| LD-1                      | 66       | L 75x35x6   | 243         | 2         | IS-2062-2006 GR-A |
|                           | 67       | L 75x35x6   | 781         | 2         | IS-2062-2006 GR-A |
|                           | 68       | L 75x35x6   | 781         | 2         | IS-2062-2006 GR-A |
|                           | 69       | ROD 20 DIA  | 540         | 2         | IS-2062-2006 GR-A |
|                           | 70       | PL 16x10x10 | 150         | 2         | IS-2062-2006 GR-A |
| TOTAL WEIGHT              |          |             | 40811.57 KG | = 40812.1 |                   |

| BOLT SCHEDULE |      |           |            |                |                             |
|---------------|------|-----------|------------|----------------|-----------------------------|
| FASTENER NO.  | SIZE | BOLT TYPE | BOLT CLASS | NOMINAL LENGTH | HEX NUT TOTAL NOS. REQUIRED |
| A1            | M24  | P         | P.C. 8.8   | 65             | 846                         |
| B1            | M20  | P         | P.C. 8.8   | 50             | 1456                        |
| TOTAL WEIGHT  |      |           |            | 64             | 270.816                     |
| TOTAL WEIGHT  |      |           |            | 411.616        |                             |

| BILL OF MATERIALS PART-I |          |                |        |      |         |             |          |         |         |
|--------------------------|----------|----------------|--------|------|---------|-------------|----------|---------|---------|
| SECTION NO.              | ITEM NO. | SECTION        | LENGTH | UNIT | REMARKS | SECTION NO. | ITEM NO. | SECTION | LENGTH  |
| 1                        | 2        | ISMC 250       | 436    | 1    | 30.80   | 15.31       | 20       | 206.22  | 253.38  |
|                          | 3        | PL 16x10       | 45     | 1    | 78.50   | 5.11        | 20       | 102.21  |         |
|                          | 4        | GR 25x6 THK    | 1250   | 1    | 52.00   | 17.58       | 340      | 5589.78 |         |
|                          | 5        | L 65x6x6       | 275    | 2    | 5.80    | 3.19        | 650      | 1056.60 | 754.96  |
|                          | 6        | GR 85x40 THK   | 1350   | 1    | 52.00   | 66.73       | 10       | 667.30  |         |
|                          | 7        | 32 NB (M) PIPE | 4072   | 1    | 3.15    | 14.72       | 20       | 254.54  | 667.30  |
|                          | 8        | 32 NB (M) PIPE | 2036   | 1    | 3.15    | 7.36        | 20       | 125.27  |         |
|                          | 9        | 32 NB (M) PIPE | 1092   | 1    | 3.15    | 3.44        | 40       | 47.82   |         |
|                          | 10       | PL 8x6x8       | 180    | 5    | 62.80   | 3.50        | 100      | 67.82   |         |
|                          | 11       | 32 NB (M) PIPE | 246    | 1    | 3.15    | 0.76        | 20       | 15.69   |         |
| 2                        | 12       | 32 NB (M) PIPE | 246    | 1    | 3.15    | 0.76        | 20       | 35.22   |         |
|                          | 13       | 32 NB (M) PIPE | 569    | 1    | 3.15    | 1.76        | 20       | 60.35   |         |
|                          | 14       | 32 NB (M) PIPE | 908    | 1    | 3.15    | 3.02        | 20       | 103.18  | 623.03  |
|                          | 15       | ISMC 250       | 3350   | 1    | 30.80   | 115.67      | 20       | 253.38  |         |
|                          | 16       | ISMC 250       | 449    | 1    | 30.80   | 15.31       | 20       | 206.22  |         |
|                          | 17       | ISMC 250       | 436    | 1    | 30.80   | 15.31       | 20       | 206.22  |         |
|                          | 18       | GR 84x40 THK   | 1350   | 1    | 52.00   | 66.73       | 10       | 667.30  |         |
|                          | 19       | 32 NB (M) PIPE | 181    | 1    | 3.15    | 0.80        | 20       | 12.05   |         |
|                          | 20       | 32 NB (M) PIPE | 2036   | 1    | 3.15    | 7.36        | 40       | 276.71  |         |
|                          | 21       | 32 NB (M) PIPE | 1092   | 1    | 3.15    | 3.44        | 80       | 147.50  |         |
| 3                        | 22       | PL 8x6x8       | 180    | 5    | 62.80   | 4.07        | 120      | 81.39   |         |
|                          | 23       | 32 NB (M) PIPE | 1003   | 3    | 3.15    | 9.46        | 60       | 188.57  |         |
|                          | 24       | 32 NB (M) PIPE | 4088   | 1    | 3.15    | 14.80       | 20       | 287.78  | 1037.98 |
|                          | 25       | ISMC 250       | 3179   | 1    | 30.80   | 115.67      | 20       | 253.38  |         |
|                          | 26       | ISMC 250       | 417    | 1    | 30.80   | 12.79       | 20       | 253.38  |         |
|                          | 27       | ISMC 250       | 252    | 1    | 30.80   | 7.71        | 20       | 154.22  |         |
|                          | 28       | GR 130x40 THK  | 1642   | 1    | 52.00   | 156.14      | 10       | 2722.79 | 2722.79 |
|                          | 29       | 32 NB (M) PIPE | 1142   | 1    | 3.15    | 16.12       | 20       | 116.22  | 1161.22 |
|                          | 30       | 32 NB (M) PIPE | 146    | 1    | 3.15    | 0.80        | 20       | 12.05   |         |
|                          | 31       | 32 NB (M) PIPE | 550    | 2    | 3.15    | 3.52        | 40       | 70.43   |         |
| 4                        | 32       | 32 NB (M) PIPE | 1108   | 4    | 3.15    | 15.84       | 60       | 276.71  |         |
|                          | 33       | 32 NB (M) PIPE | 1002   | 3    | 3.15    | 10.32       | 60       | 200.30  |         |
|                          | 34       | PL 8x6x8       | 180    | 0    | 62.80   | 6.10        | 160      | 122.08  |         |
|                          | 35       | 32 NB (M) PIPE | 1003   | 3    | 3.15    | 9.46        | 60       | 188.57  |         |
|                          | 36       | ISMC 250       | 6282   | 1    | 3.15    | 26.10       | 20       | 462.07  |         |
|                          | 37       | 32 NB (M) PIPE | 1142   | 1    | 3.15    | 16.12       | 20       | 116.22  | 1161.22 |
|                          | 38       | ISMC 250       | 1210   | 1    | 30.80   | 67.03       | 20       | 154.22  |         |
|                          | 39       | ISMC 250       | 245    | 1    | 30.80   | 4.52        | 20       | 90.39   |         |
|                          | 40       | ISMC 250       | 1463   | 2    | 3.58    | 28.53       | 40       | 570.02  |         |
|                          | 41       | PL 65x6x6      | 120    | 4    | 62.80   | 1.66        | 80       | 33.16   |         |
| 5                        | 42       | L 65x6x6       | 140    | 4    | 62.80   | 1.66        | 80       | 33.16   |         |
|                          | 43       | ISMC 100       | 5111   | 2    | 3.58    | 97.72       | 40       | 1954.46 | 1458.95 |
|                          | 44       | PL 65x6x6      | 120    | 4    | 62.80   | 1.66        | 80       | 33.16   |         |
|                          | 45       | ISMC 100       | 4615   | 2    | 3.58    | 98.97       | 40       | 1976.56 | 2103.96 |
|                          | 46       | PL 58x6        | 120    | 4    | 62.80   | 1.66        | 80       | 33.16   |         |
|                          | 47       | L 65x6x6       | 140    | 4    | 10.80   | 10.80       | 80       | 2033.67 | 2033.67 |
|                          | 48       | ISMC 100       | 2654   | 4    | 5.56    | 76.54       | 40       | 786.45  |         |
|                          | 49       | PL 30x16       | 300    | 2    | 125.50  | 22.81       | 20       | 228.08  |         |
|                          | 50       | PL 58x10       | 50     | 6    | 78.50   | 1.57        | 60       | 15.70   |         |
|                          | 51       | PL 100x10      | 200    | 16   | 78.50   | 26.12       | 160      | 251.20  |         |
| 6                        | 52       | PL 100x16      | 100    | 2    | 125.50  | 2.51        | 20       | 25.12   |         |
|                          | 53       | PL 100x16      | 100    | 2    | 125.50  | 2.51        | 20       | 25.12   |         |
|                          | 54       | PL 137x10      | 234    | 2    | 78.50   | 5.03        | 20       | 50.33   |         |
|                          | 55       | PL 170x10      | 350    | 2    | 78.50   | 9.54        | 20       | 80.42   |         |
|                          | 56       | PL 170x10      | 770    | 2    | 78.50   | 4.54        | 20       | 46.37   |         |
|                          | 57       | L 65x6x6       | 938    | 4    | 4.50    | 16.88       | 40       | 168.84  |         |
|                          | 58       | L 65x6x6       | 1120   | 2    | 5.80    | 15.69       | 20       | 128.62  |         |
|                          | 59       | PL 120x10      | 120    | 2    | 78.50   | 2.28        | 20       | 22.81   |         |
|                          | 60       | ISMC 100       | 4214   | 4    | 5.56    | 161.14      | 40       | 1611.43 |         |
|                          | 61       | PL 30x16       | 300    | 2    | 125.50  | 22.81       | 20       | 228.08  |         |
| 7                        | 62       | PL 100x10      | 200    | 16   | 78.50   | 26.12       | 160      | 251.20  |         |
|                          | 63       | PL 100x16      | 100    | 2    | 125.50  | 2.51        | 20       | 25.12   |         |
|                          | 64       | PL 100x16      | 100    | 2    | 125.50  | 2.51        | 20       | 25.12   |         |
|                          | 65       | PL 170x10      | 270    | 2    | 78.50   | 4.54        | 20       | 46.37   |         |
|                          | 66       | PL 223x10      | 170    | 4    | 78.50   | 16.75       | 40       | 167.54  |         |
|                          | 67       | L 65x6x6       | 938    | 6    | 5.50    | 33.77       | 60       | 337.68  |         |
|                          | 68       | L 65x6x6       | 1120   | 4    | 5.80    | 26.88       | 40       | 266.84  |         |
|                          | 69       | PL 120x10      | 120    | 2    | 78.50   | 2.28        | 20       | 22.81   |         |
|                          | 70       | PL 120x10      | 324    | 2    | 78.50   | 2.28        | 20       | 194.52  |         |
|                          | 71       | PL 158x10      | 358    | 2    | 78.50   | 10.46       | 20       | 60.56   |         |
| 8                        | 72       | ISMC 150       | 6374   | 4    | 16.80   | 428.33      | 40       | 428.33  |         |
|                          | 73       | PL 40x16       | 400    | 2    | 125.50  | 40.19       | 20       | 401.92  |         |
|                          | 74       | PL 40x16       | 60     | 6    | 78.50   | 2.28        | 60       | 22.81   |         |
|                          | 75       | PL 125x10      | 200    | 16   | 78.50   | 31.40       | 160      | 314.00  |         |
|                          | 76       | PL 100x16      | 100    | 2    | 125.50  | 2.51        | 20       | 25.12   |         |
|                          | 77       | PL 100x16      | 100    | 2    | 125.50  | 2.51        | 20       | 25.12   |         |
|                          | 78       | L 65x6x6       | 170    | 4    | 10.80   | 7.34        | 40       | 73.44   |         |
|                          | 79       | PL 34x10       | 433    | 2    | 78.50   | 25.68       | 20       | 256.67  |         |
|                          | 80       | PL 35x10       | 432    | 2    | 78.50   | 23.87       | 20       | 238.74  |         |
|                          | 81       | PL 137x10      | 273    | 2    | 78.50   | 5.87        | 20       | 58.72   |         |
| 9                        | 82       | PL 170x10      | 380    | 10   | 78.50   | 52.05       | 100      | 626.46  |         |
|                          | 83       | PL 170x10      | 270    | 2    | 78.50   | 35.54       | 20       | 46.37   |         |
|                          | 84       | L 65x6x6       | 891    | 12   | 4.50    | 48.11       | 120      | 481.11  |         |
|                          | 85       | L 65x6x6       | 1070   | 6    | 5.80    | 31.24       | 60       | 312.40  |         |
|                          | 86       | PL 170x10      | 170    | 2    | 78.50   | 4.54        | 20       | 46.37   |         |
|                          | 87       | ISMC 250       | 489    | 1    | 30.80   | 15.31       | 20       | 206.22  |         |
|                          | 88       | GR 84x40 THK   | 1350   | 1    | 52.00   | 66.73       | 10       | 667.30  |         |
|                          | 89       | 32 NB (M) PIPE | 181    | 1    | 3.15    | 0.80        | 20       | 12.05   |         |
|                          | 90       | 32 NB (M) PIPE | 2036   | 1    | 3.15    | 7.36        | 40       | 276.71  |         |
|                          | 91       | 32 NB (M) PIPE | 1092   | 1    | 3.15    | 3.44        | 80       | 147.50  |         |
| 10                       | 92       | 32 NB (M) PIPE | 1003   | 3    | 3.15    | 9.46        | 60       | 188.57  |         |
|                          | 93       | ISMC 250       | 3179   | 1    | 30.80   | 115.67      | 20       | 253.38  |         |
|                          | 94       | ISMC 250       | 417    | 1    | 30.80   | 12.79       | 20       | 253.38  |         |
|                          | 95       | ISMC 250       | 252    | 1    | 30.80   | 7.71        | 20       | 154.22  |         |
|                          | 96       | GR 130x40 THK  | 1642   | 1    | 52.00   | 156.14      | 10       | 2722.79 | 2722.79 |
|                          | 97       | 32 NB (M) PIPE | 1142   | 1    | 3.15    | 16.12       | 20       | 116.22  | 1161.22 |
|                          | 98       | 32 NB (M) PIPE | 146    | 1    | 3.15    | 0.80        | 20       | 12.05   |         |
|                          | 99       | 32 NB (M) PIPE | 550    | 2    | 3.15    | 3.52        | 40       | 70.43   |         |
|                          | 100      | 32 NB (M) PIPE | 1108   | 4    | 3.15    | 15.84       | 60       | 276.71  |         |
|                          | 101      | 32 NB (M) PIPE | 1002   | 3    | 3.15    | 10.32       | 60       | 200.30  |         |
| 11                       | 102      | PL 8x6x8       | 180    | 0    | 62.80   | 6.10        | 160      | 122.08  |         |
|                          | 103      | 32 NB (M) PIPE | 1003   | 3    | 3.15    | 9.46        | 60       | 188.57  |         |
|                          | 104      | ISMC 250       | 6282   | 1    | 3.15    | 26.10       | 20       | 462.07  |         |
|                          | 105      | 32 NB (M) PIPE | 1142   | 1    | 3.15    | 16.12       | 20       | 116.22  | 1161.22 |
|                          | 106      | ISMC 250       | 1210   | 1    | 30.80   | 67.03       | 20       | 154.22  |         |
|                          | 107      | ISMC 250       | 245    | 1    | 30.80   | 4.52        | 20       | 90.39   |         |
|                          | 108      | ISMC 250       | 1463   | 2    | 3.58    | 28.53       | 40       | 570.02  |         |
|                          | 109      | PL 65x6x6      | 120    | 4    | 62.80   | 1.66        | 80       | 33.16   |         |
|                          | 110      | L 65x6x6       | 140    | 4    | 10.80   | 10.80       | 80       | 2033.67 | 2033.67 |
|                          | 111      | ISMC 100       | 2654   | 4    | 5.56    | 76.54       | 40       | 786.45  |         |
| 12                       | 112      | PL 30x16       | 300    | 2    | 125.50  | 22.81       | 20       | 228.08  |         |
|                          | 113      | PL 58x10       | 50     | 6    | 78.50   | 1.57        | 60       | 15.70   |         |
|                          | 114      | PL 100x10      | 200    | 16   | 78.50   | 26.12       | 160      | 251.20  |         |
|                          | 115      | PL 100x16      | 100    | 2    | 125.50  | 2.51        | 20       | 25.12   |         |
|                          | 116      | PL 100x16      | 100    | 2    | 125.50  | 2.51        | 20       | 25.12   |         |
|                          | 117      | PL 137x10      | 234    | 2    | 78.50   | 5.03        | 20       | 50.33   |         |
|                          | 118      | PL 170x10      | 350    | 2    | 78.50   | 9.54        | 20       | 80.42   |         |
|                          | 119      | PL 170x10      | 770    | 2    | 78.50   | 4.54        | 20       | 46.37   |         |
|                          | 120      | L 65x6x6       | 938    | 4    | 4.50    | 16.88       | 40       | 168.84  |         |
|                          | 121      | L 65x6x6       | 1120   | 2    | 5.80    | 15.69       | 20       | 128.62  |         |
| 13                       | 122      | ISMC 100       | 4615   | 2    | 3.58    | 98.97       | 40       | 1976.56 | 2103.96 |
|                          | 123      | PL 58x6        | 120    | 4    | 62.80   | 1.66        | 80       | 33.16   |         |
|                          | 124      | L 65x6x6       | 140    | 4    | 10.80   | 10.80       | 80       | 2033.67 | 2033.67 |
|                          | 125      | ISMC 100       | 2654   | 4    | 5.56    | 76.54       | 40       | 786.45  |         |
|                          | 126      | PL 30x16       | 300    | 2    | 125.50  | 22.81       | 20       | 228.08  |         |
|                          | 127      | PL 58x10       | 50     | 6    | 78.50   | 1.57        | 60       | 15.70   |         |
|                          | 128      | PL 100x10      | 200    | 16   | 78.50   | 26.12       | 160      | 251.20  |         |
|                          | 129      | PL 100x16      | 100    | 2    | 125.50  | 2.51        | 20       | 25.12   |         |
|                          | 130      | PL 100x16      | 100    | 2    | 125.50  | 2.51        | 20       | 25.12   |         |
|                          | 131      | PL 137x10      | 234    | 2    | 78.50   | 5.03        | 20       | 50.33   |         |
| 14                       | 132      | PL 170x10      | 350    | 2    | 78.50   | 9.54        | 20       | 80.42   |         |
|                          | 133      | PL 170x10      | 770    | 2    | 78.50   | 4.54        | 20       | 46.37   |         |
|                          | 134      | L 65x6x6       | 938    | 4    | 4.50    | 16.88       | 40       | 168.84  |         |
|                          | 135      | L 65x6x6       | 1120   | 2    | 5.80    | 15.69       | 20       | 128.62  |         |
|                          | 136      | PL 120x10      | 120    | 2    | 78.50   | 2.28        | 20       | 22.81   |         |
|                          | 137      | ISMC 100       | 4214   | 4    | 5.56    | 161.14      | 40       | 1611.43 |         |
|                          | 138      | PL 30x16       | 300    | 2    | 125.50  | 22.81       | 20       | 228.08  |         |
|                          | 139      | PL 100x10      | 200    | 16   | 78.50   | 26.12       | 160      | 251.20  |         |
|                          | 140      | PL 100x16      | 100    | 2    | 125.50  | 2.51        | 20       | 25.12   |         |
|                          | 141      | PL 100x16      | 100    | 2    | 125.50  | 2.51        | 20       | 25.12   |         |
| 15                       | 142      | PL 170x10      | 270    | 2    | 78.50   | 4.54        | 20       | 46.37   |         |
|                          | 143      | PL 223x10      | 170    | 4    | 78.50   | 16.75       | 40       | 167.54  |         |
|                          | 144      | L 65x6x6       | 938    | 6    | 5.50    | 33.77       | 60       | 337.68  |         |
|                          | 145      | L 65x6x6       | 1120   | 4    | 5.80    | 26.88       | 40       | 266.84  |         |
|                          | 146      | PL 120x10      | 120    | 2    | 78.50   | 2.28        | 20       | 22.81   |         |
|                          | 147      | PL 120x10      | 324    | 2    | 78.50   | 2.28        | 20       | 194.52  |         |
|                          | 148      | PL 158x10      | 358    | 2    | 78.50   | 10.46       | 20       | 60.56   |         |
|                          | 149      | ISMC 150       | 6374   | 4    | 16.80   | 428.33      | 40       | 428.33  |         |
|                          | 150      | PL 40x16       | 400    | 2    | 125.50  | 40.19       | 20       | 401.92  |         |
|                          | 151      | PL 40x16       | 60     | 6    | 78.50   | 2.28        | 60       | 22.81   |         |
| 16                       | 152      | PL 125x10      | 200    | 16   | 78.50   | 31.40       | 160      | 314.00  |         |
|                          | 153      | PL 100x16      | 100    | 2    | 125.50  | 2.51        | 20       | 25      |         |