

STANDARD PANNEL, STEEL PART LIST

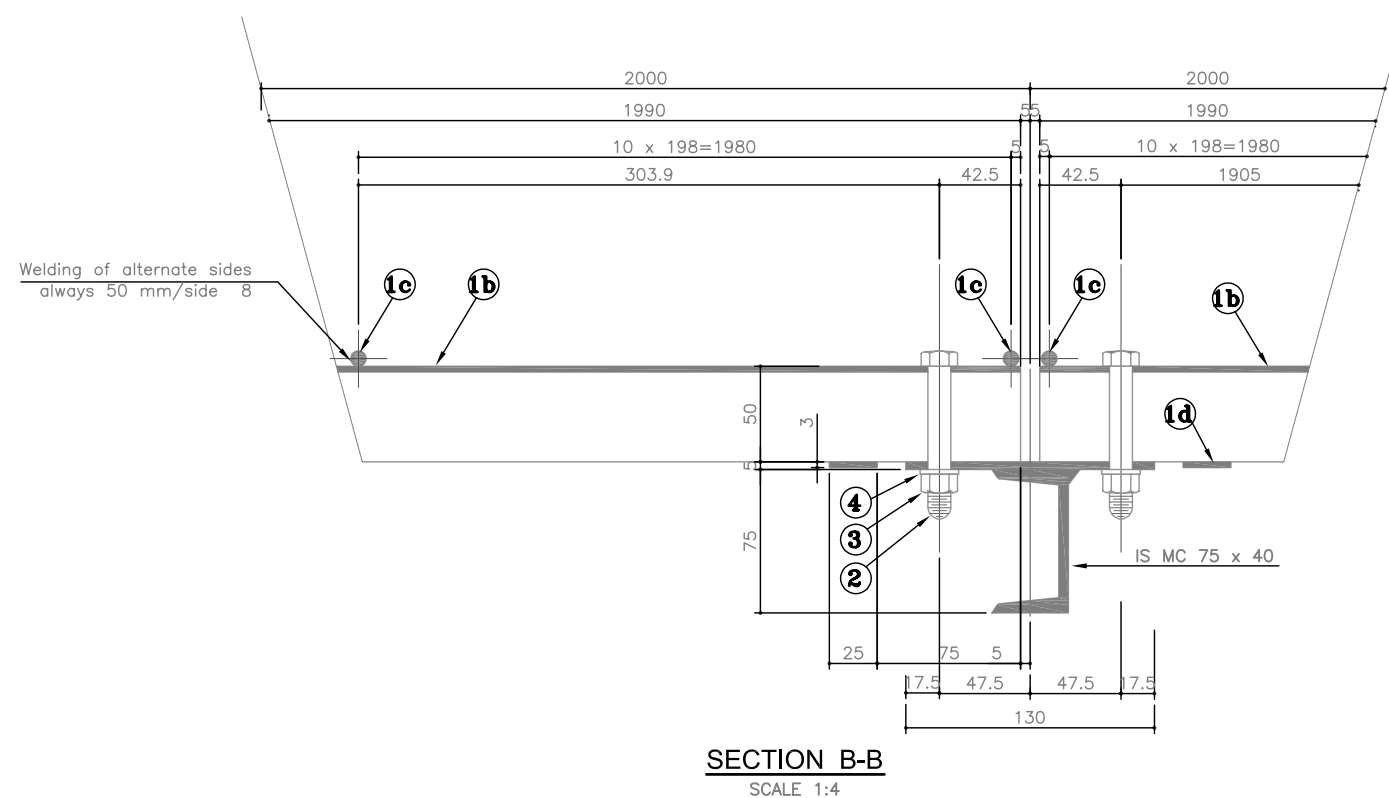
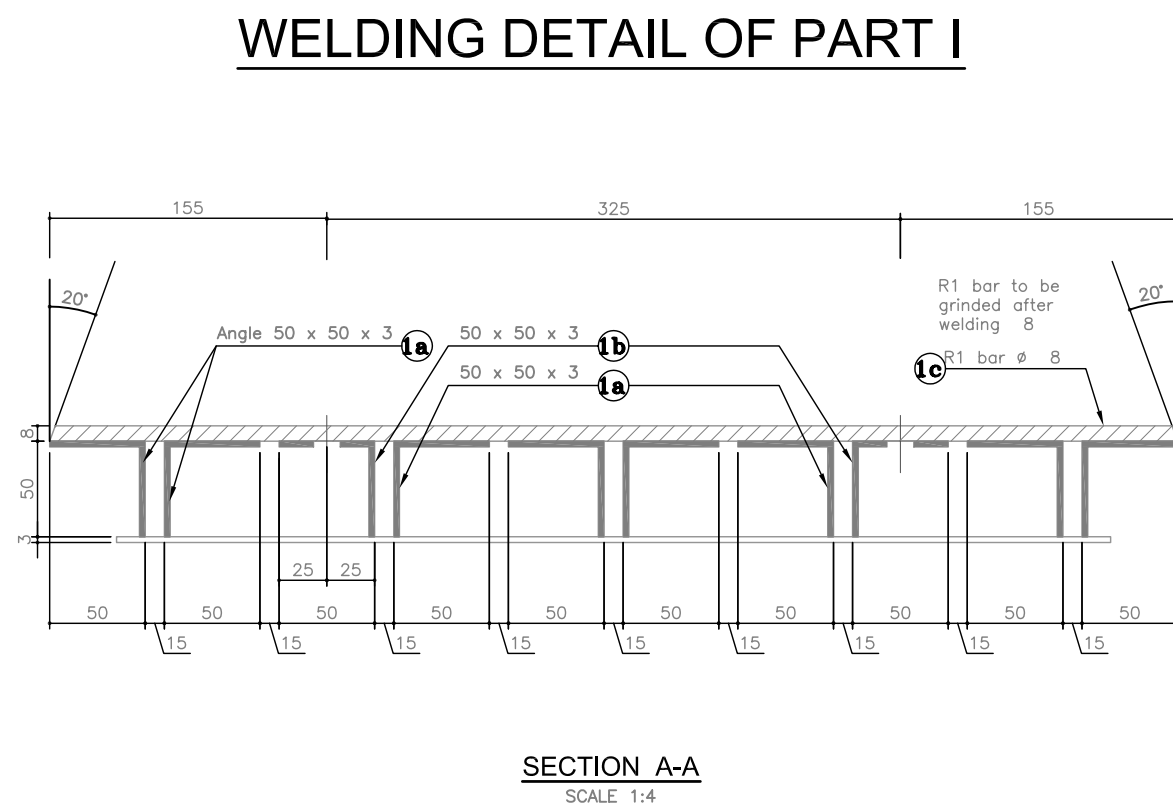
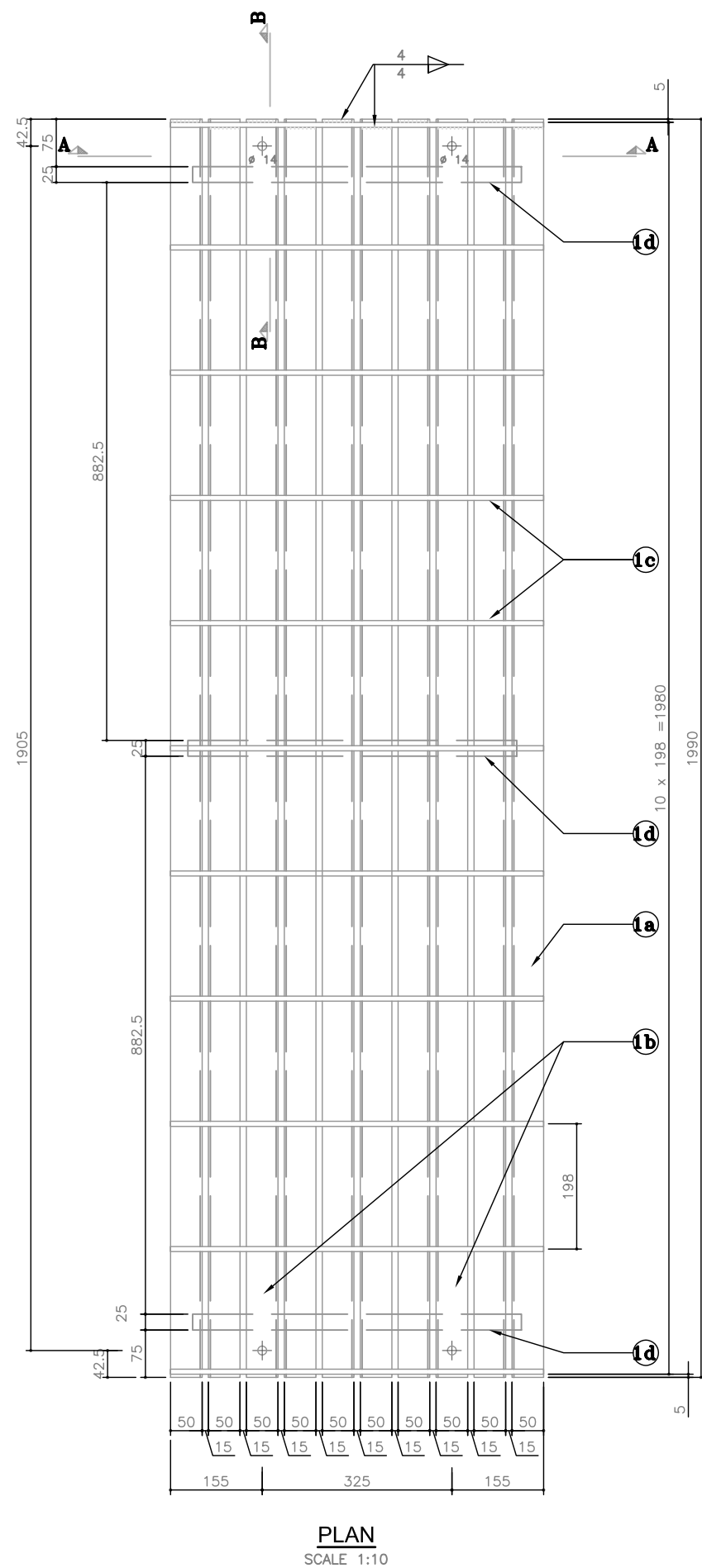
| Part No.      | Section                  | (mm)                                                  | Quantity | Working Drawing<br>(All dimension in mm) | Length       |         | Weight       |          | Surface to be painted |          | Total weight for Glavanization kg                                           | Remarks                                                             |
|---------------|--------------------------|-------------------------------------------------------|----------|------------------------------------------|--------------|---------|--------------|----------|-----------------------|----------|-----------------------------------------------------------------------------|---------------------------------------------------------------------|
|               |                          |                                                       |          |                                          | Single/pc mm | Total m | Single/pc mm | Total kg | m2 /pc                | Total m2 |                                                                             |                                                                     |
| 1             | a                        | Angle 50x50x3—1990 cold Formed Rwf. IS 811 and IS B01 | 16       |                                          | 1990         | 31.84   | 4.577        | 73.232   | 0.398                 | 6.368    | 73.232                                                                      | Part nos. 1(a to c) to be welded together as shown in welded detail |
|               | b1                       | Angle 50x50x3—1990 cold Formed Rwf. IS 811 and IS B01 | 4        |                                          | 1990         | 7.96    | 4.577        | 18.308   | 0.398                 | 1.592    | 18.308                                                                      |                                                                     |
|               | c                        | RI— Bar Ø 8mm – 635                                   | 22       |                                          | 635          | 13.97   | 0.250        | 5.500    | 0.015                 | 0.330    | 5.500                                                                       |                                                                     |
|               | d                        | Flat 25x3 – 565                                       | 6        |                                          | 565          | 3.390   | 0.332        | 1.994    | 0.029                 | 0.174    | 1.994                                                                       |                                                                     |
| 2             | Hexagonal bolt M 12 x 80 | 8.4                                                   |          |                                          | —            | —       | 0.083        | 0.692    |                       |          | —                                                                           | 5% extra pieces Ref. IS 1363                                        |
| 3             | Plain Washer M 12        | 8.4                                                   |          |                                          | —            | —       | 0.005        | 0.042    | —                     | —        | —                                                                           | 5% extra pieces Ref. IS 1363                                        |
| 4             | Hexagonal nut M 12       | 8.4                                                   |          |                                          | —            | —       | 0.018        | 0.151    |                       |          | —                                                                           | 5% extra pieces Ref. IS 6755                                        |
| TOTAL (1 – 4) |                          |                                                       |          |                                          | 99.768 kg.   |         |              |          |                       | 8.464m2  | 99.034 kg                                                                   |                                                                     |
|               |                          |                                                       |          |                                          |              |         |              |          |                       |          | Hot Dip Glavanisation Ref. IS 2629,IS2633<br>Weight of zinc coat 0.61 kg/m2 |                                                                     |

SUMMERY OF STANDARD PANNEL

| Part no. | Item                            | Weigth    |
|----------|---------------------------------|-----------|
| 241      | Strutural steel, Standard parts | 99.03 kg  |
| 243      | Screw,bolts,nuts & washers      | 0.885 kg  |
| 410      | Transportation                  | 104.89 kg |

Note :  
Manufacturer should verify the Working and Assembly  
Drawing for it's accuracy before fabrication

|                                                                            |                  |
|----------------------------------------------------------------------------|------------------|
| MoFALD / DoLIDAR / Trial Bridge Section<br>Long Span Trail Bridge Standard |                  |
| Bridge Name :                                                              | Span : 32.0 m    |
| Bridge No :                                                                | Unit : 14        |
| Strutural Drawing : Standard pannel                                        |                  |
| Working Drawing of Steel Deck                                              |                  |
| Date: July 2013                                                            | Drawing No: T1SD |



Welding of part 1c to part 1a and 1b at both sides of part 1c  
Min welding length = 50 mm/side  
Total welding length (min) 5500 mm/Grating part 1c  
500 mm/Grating part 1d  
All edges have to be grinded smooth.

**Note :**  
**Manufacturer should verify the Working and Assembly**  
**Drawing for it's accuracy before fabrication**

|                                                                            |                  |
|----------------------------------------------------------------------------|------------------|
| MoFALD / DoLIDAR / Trial Bridge Section<br>Long Span Trail Bridge Standard |                  |
| Bridge Name :                                                              | Span : 32.0 m    |
| Bridge No :                                                                | Unit : 14        |
| Strutural Drawing : Standard pannel                                        |                  |
| Working Drawing of Steel Deck                                              |                  |
| Date: July 2013                                                            | Drawing No: T2SD |

SPECIAL PANNEL -1, STEEL PART LIST

Note :  
Manufacturer should verify the Working and Assembly  
Drawing for it's accuracy before fabrication

| Part No.      | Section                     | (mm)                                                              | Quantity | Working Drawing<br>(All dimension in mm) | Length          |            | Weight          |             | Surface to be painted |         |            | Total weight for<br>Glavanization<br>kg                                     | Remarks                                                                   |
|---------------|-----------------------------|-------------------------------------------------------------------|----------|------------------------------------------|-----------------|------------|-----------------|-------------|-----------------------|---------|------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------|
|               |                             |                                                                   |          |                                          | Single/pc<br>mm | Total<br>m | Single/pc<br>mm | Total<br>kg | m2 /pc                | Total   | m2         |                                                                             |                                                                           |
| 1             | a                           | Angle<br>50x50x3–2070<br>cold Formed<br>Rwf. IS 811 and<br>IS B01 | 16       |                                          | 2070            | 33.12      | 4.761           | 76.176      | 0.414                 | 6.624   |            | 76.176                                                                      | Part nos. 1(a to c) to be<br>welded together as shown in<br>welded detail |
|               | b1                          | Angle<br>50x50x3–2070<br>cold Formed<br>Rwf. IS 811 and<br>IS B01 | 4        |                                          | 2070            | 8.28       | 4.761           | 19.044      | 0.414                 | 1.656   |            | 19.044                                                                      |                                                                           |
|               | c                           | Rl– Bar<br>Ø 8mm – 635                                            | 22       |                                          | 635             | 13.970     | 0.250           | 5.500       | 0.015                 | 0.330   |            | 5.500                                                                       |                                                                           |
|               | d                           | Flat<br>25x3 – 565                                                | 6        |                                          | 565             | 3.390      | 0.332           | 1.994       | 0.029                 | 0.174   |            | 1.994                                                                       |                                                                           |
| 2             | Hexagonal bolt<br>M 12 x 80 |                                                                   | 8.4      |                                          | –               | –          | 0.083           | 0.692       |                       |         |            | –                                                                           | 5% extra pieces<br>Ref. IS 1363                                           |
| 3             | Plain Washer<br>M 12        |                                                                   | 8.4      |                                          | –               | –          | 0.005           | 0.042       | –                     | –       |            | –                                                                           | 5% extra pieces<br>Ref. IS 6755                                           |
| 4             | Hexagonal nut<br>M 12       |                                                                   | 8.4      |                                          | –               | –          | 0.018           | 0.151       |                       |         |            | –                                                                           | 5% extra pieces<br>Ref. IS 6755                                           |
| TOTAL (1 – 4) |                             |                                                                   |          |                                          | 103.394 kg.     |            |                 |             |                       | 8.464m2 | 103.394 kg | 107.501 kg                                                                  |                                                                           |
|               |                             |                                                                   |          |                                          |                 |            |                 |             |                       |         |            | Hot Dip Glavanisation Ref. IS 2629,IS2633<br>Weight of zinc coat 0.61 kg/m2 |                                                                           |

SUMMERY OF SPECIAL PANNEL –1

| Part no. | Item                            | Weigth     |
|----------|---------------------------------|------------|
| 241      | Strutural steel, Standard parts | 103.394 kg |
| 243      | Screw,bolts,nuts & washers      | 0.885 kg   |
| 410      | Transportation                  | 109.486 kg |

|                                                                            |                  |
|----------------------------------------------------------------------------|------------------|
| MoFALD / DoLIDAR / Trial Bridge Section<br>Long Span Trail Bridge Standard |                  |
| Bridge Name :                                                              | Span : 32.0 m    |
| Bridge No :                                                                | Unit : 1         |
| Strutural Drawing : Special pannel–1                                       |                  |
| Working Drawing of Steel Deck                                              |                  |
| Date: July 2013                                                            | Drawing No: T3SD |



SPECIAL PANNEL -2, STEEL PART LIST

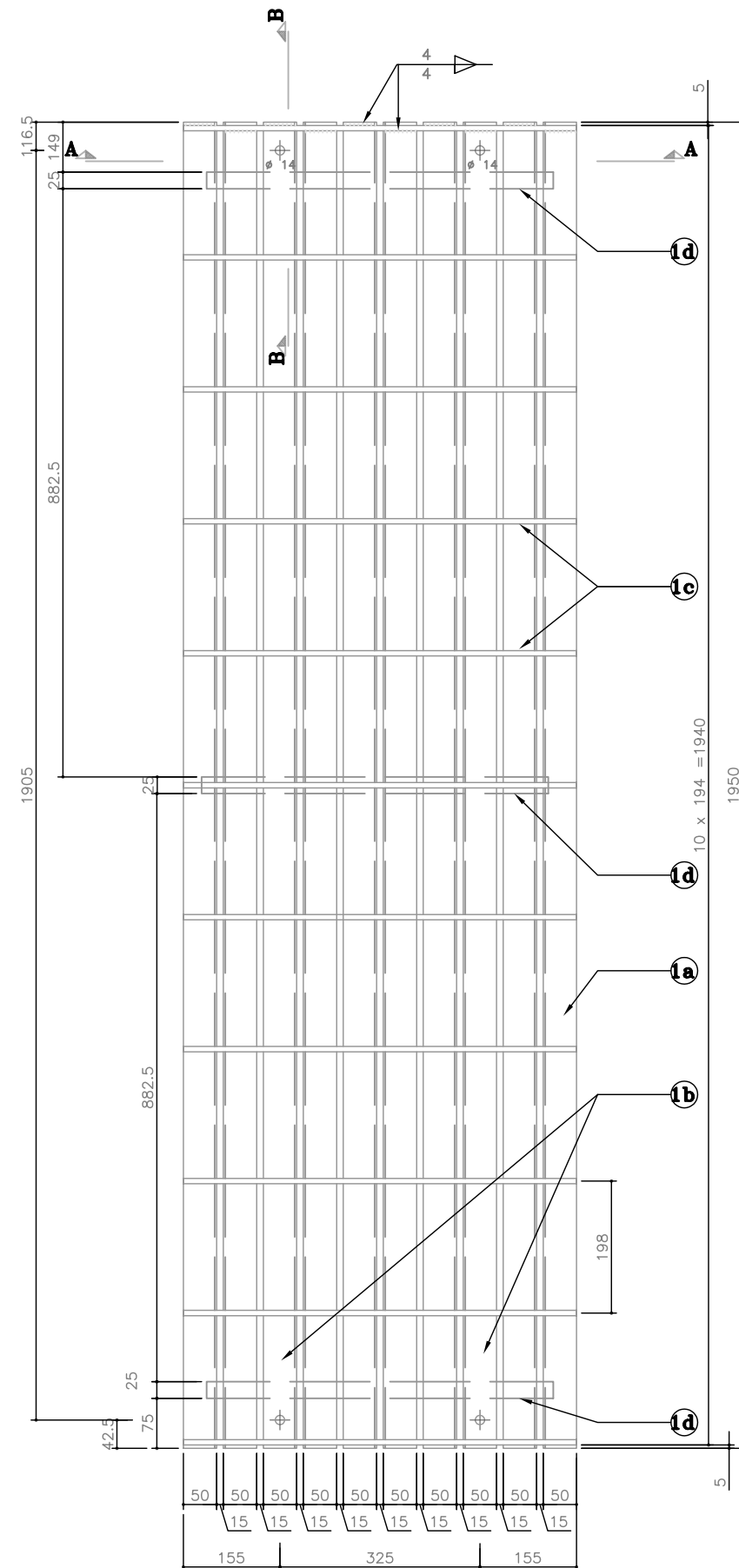
Note :  
Manufacturer should verify the Working and Assembly  
Drawing for it's accuracy before fabrication

| SPECIAL PANNEL -2, STEEL PART LIS |                             |                                                                   |          |                                          |                 |            |                 |             |                       |          |                                                                             |                                                                           |  |
|-----------------------------------|-----------------------------|-------------------------------------------------------------------|----------|------------------------------------------|-----------------|------------|-----------------|-------------|-----------------------|----------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------|--|
| Part No.                          | Section                     | (mm)                                                              | Quantity | Working Drawing<br>(All dimension in mm) | Length          |            | Weight          |             | Surface to be painted |          | Total weight for<br>Glavanization<br>kg                                     | Remarks                                                                   |  |
|                                   |                             |                                                                   |          |                                          | Single/pc<br>mm | Total<br>m | Single/pc<br>mm | Total<br>kg | m2 /pc                | Total m2 |                                                                             |                                                                           |  |
| 1                                 | a                           | Angle<br>50x50x3—1950<br>cold Formed<br>Rwf. IS 811 and<br>IS B01 | 16       |                                          | 1950            | 31.2       | 4.485           | 71.76       | 0.398                 | 6.368    | 71.76                                                                       | Part nos. 1(a to c) to be<br>welded together as shown in<br>welded detail |  |
|                                   | b1                          | Angle<br>50x50x3—1950<br>cold Formed<br>Rwf. IS 811 and<br>IS B01 | 4        |                                          | 1950            | 7.80       | 4.485           | 17.94       | 0.398                 | 1.592    | 17.94                                                                       |                                                                           |  |
|                                   | c                           | RI— Bar<br>ø 8mm — 635                                            | 22       |                                          | 635             | 13.970     | 0.250           | 5.500       | 0.015                 | 0.330    | 5.500                                                                       |                                                                           |  |
|                                   | d                           | Flat<br>25x3 — 565                                                | 6        |                                          | 565             | 3.39       | 0.332           | 1.994       | 0.029                 | 0.174    | 1.994                                                                       |                                                                           |  |
| 2                                 | Hexagonal bolt<br>M 12 x 80 | 8.4                                                               |          | —                                        | —               | 0.083      | 0.692           | —           | —                     | —        | 5% extra pieces<br>Ref. IS 1363                                             |                                                                           |  |
| 3                                 | Plain Washer<br>M 12        | 8.4                                                               |          | —                                        | —               | 0.005      | 0.042           | —           | —                     | —        | 5% extra pieces<br>Ref. IS 6755                                             |                                                                           |  |
| 4                                 | Hexagonal nut<br>M 12       | 8.4                                                               |          | —                                        | —               | 0.018      | 0.151           | —           | —                     | —        | 5% extra pieces<br>Ref. IS 6755                                             |                                                                           |  |
| TOTAL (1 — 4)                     |                             |                                                                   |          |                                          | 97.194 kg.      |            |                 |             | —                     | 8.464m2  | —                                                                           |                                                                           |  |
|                                   |                             |                                                                   |          |                                          |                 |            |                 |             |                       |          | Hot Dip Glavanisation Ref. IS 2629,IS2633<br>Weight of zinc coat 0.61 kg/m2 |                                                                           |  |

SUMMARY OF SPECIAL PANNEL -2

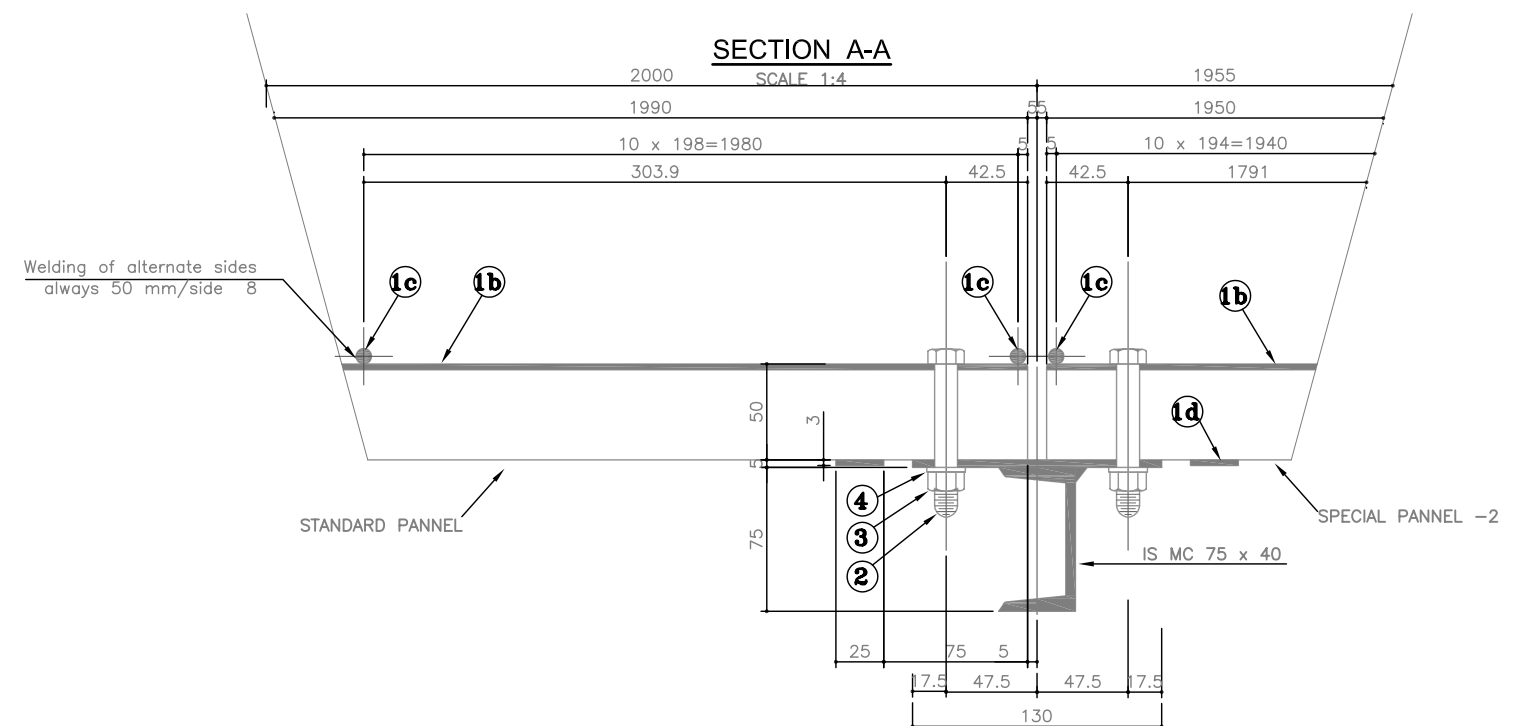
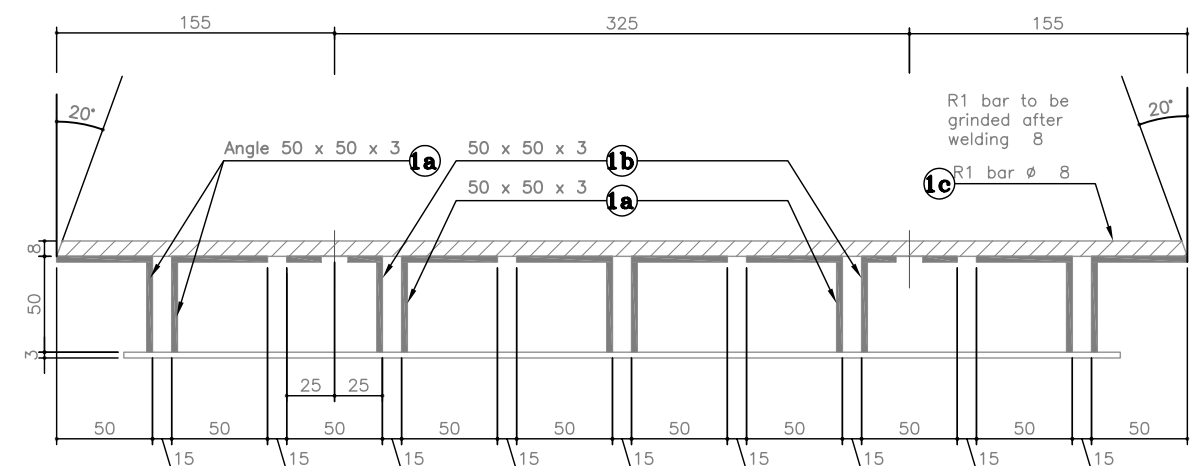
| Part no. | Item                            | Weigth     |
|----------|---------------------------------|------------|
| 241      | Strutural steel, Standard parts | 97.194 kg  |
| 243      | Screw,bolts,nuts & washers      | 0.885 kg   |
| 410      | Transportation                  | 103.286 kg |

|                                                                            |                  |
|----------------------------------------------------------------------------|------------------|
| MoFALD / DoLIDAR / Trial Bridge Section<br>Long Span Trail Bridge Standard |                  |
| Bridge Name :                                                              | Span : 32.0 m    |
| Bridge No :                                                                | Unit : 1         |
| Strutural Drawing : Special pannel-2                                       |                  |
| Working Drawing of Steel Deck                                              |                  |
| Date: July 2013                                                            | Drawing No: T5SD |



**PLAN**  
SCALE 1:10

## WELDING DETAIL OF SPECIAL PANNEL 2



**SECTION B-B**  
SCALE 1:4

Welding of part 1c to part 1a and 1b at both sides of part 1c  
Min welding length = 50 mm/side  
Total welding length (min) 5500 mm/Grating part 1c  
500 mm/Grating part 1d  
All edges have to be grinded smooth.

**Note :**  
**Manufacturer should verify the Working and Assembly Drawing for it's accuracy before fabrication**

**MoFALD / DoLIDAR / Trial Bridge Section**  
**Long Span Trail Bridge Standard**

**Bridge Name :** Span : 32.0 m

**Bridge No :** Unit : 1

**Strutural Drawing :** Special pannel-2

Working Drawing of Steel Deck

**Date:** July 2013

**Drawing No:** T61SD