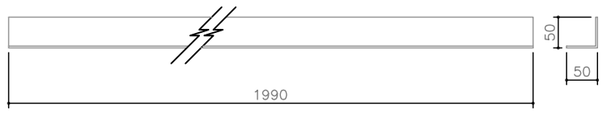
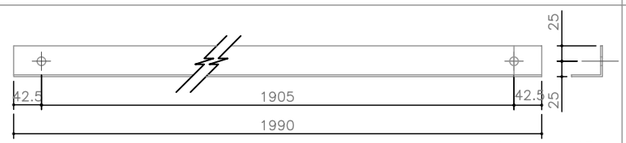
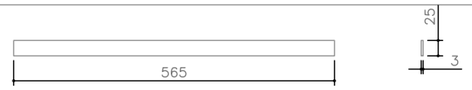
# STANDARD PANNEL, STEEL PART LIST

| Part No. | | Section (mm) | Quantity | Working Drawing (All dimension in mm) | Length Single/pc mm | Length Total m | Weight Single/pc mm | Weight Total kg | Surface to be painted m2 /pc | Surface to be painted Total m2 | Total weight for Glavanization kg | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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
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 |

**:acy before fabrication**

**MoFALD / DoLIDAR / Trial Bridge Section**
**Truss Bridge Standard**

**Bridge Name :** **Span : 16.0 m**

**Bridge No**

**Strutural Drawing :** **Standard pannel**

Working Drawing of Steel Deck

**Date:** July 2013 **Drawing No:** T1SD

*Page 1 of 6 Drawing No: T1SD*

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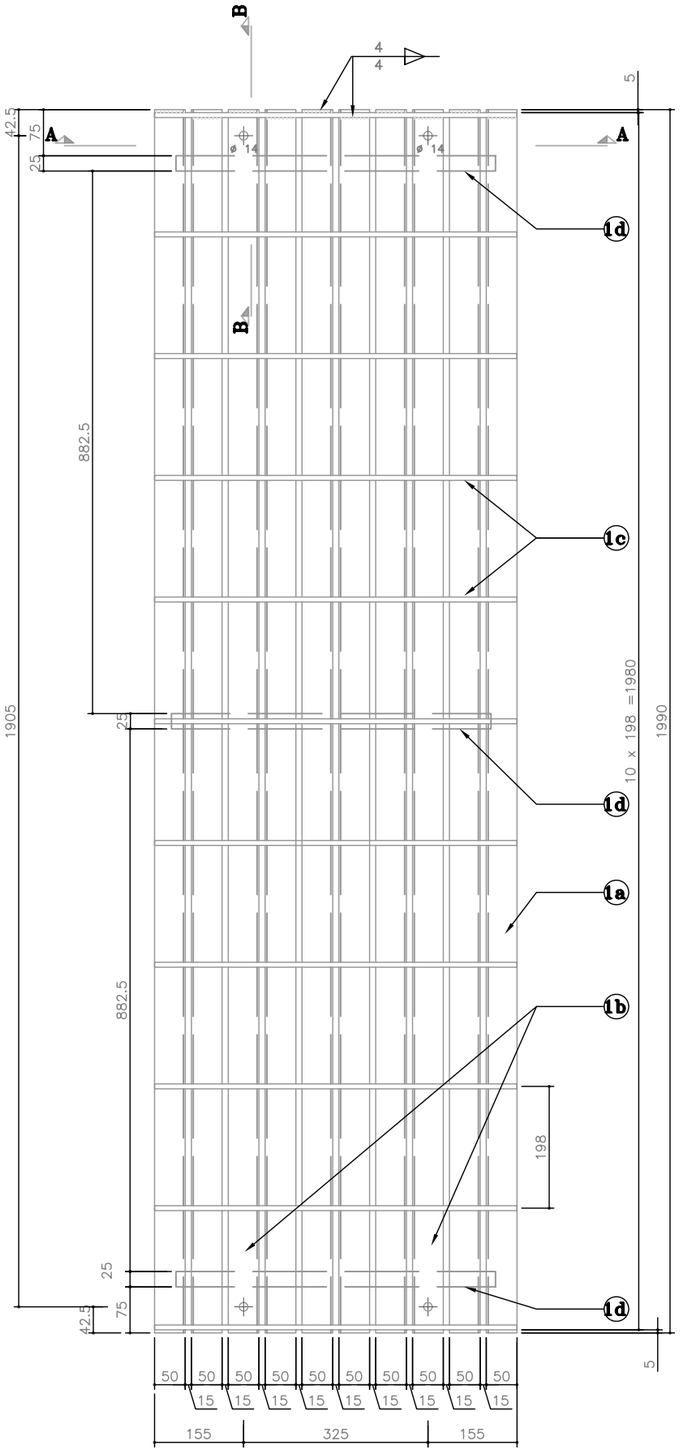
# WELDING DETAIL OF PART I

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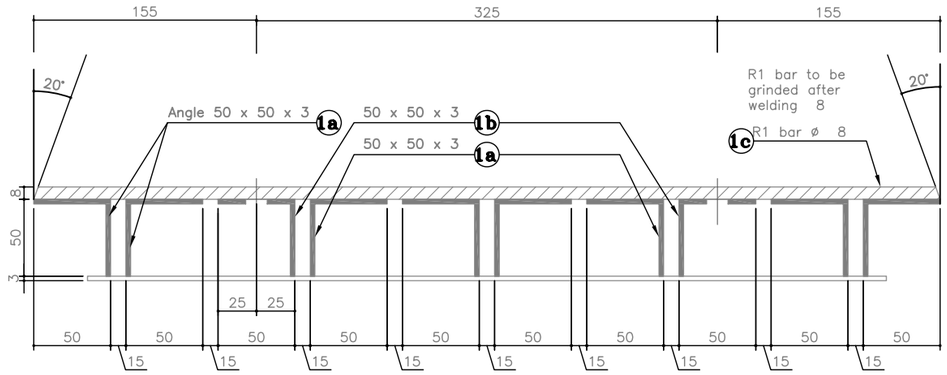
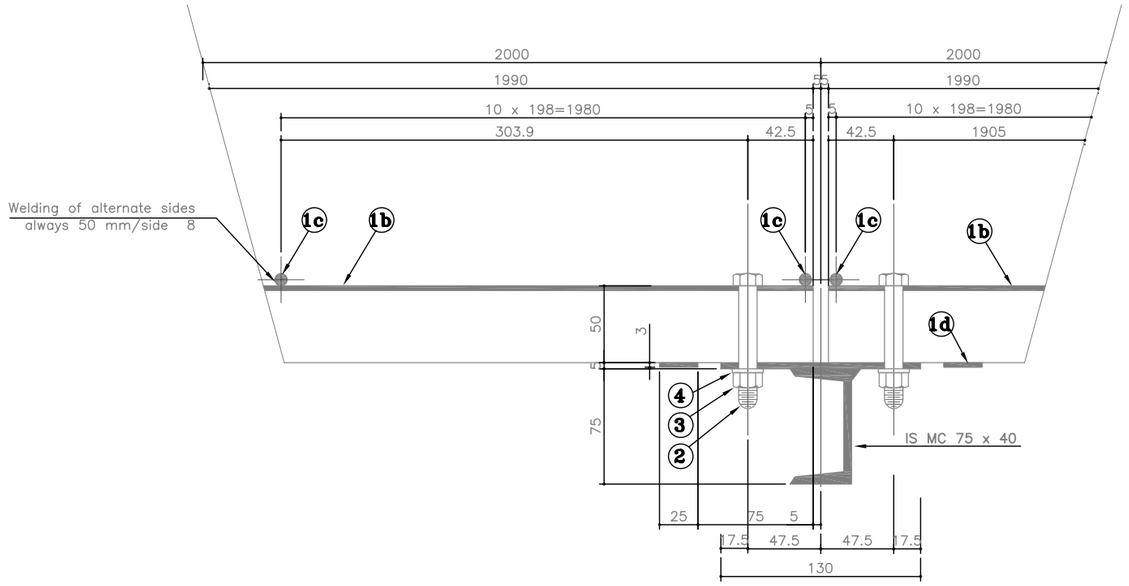
SCALE 1:10




SECTION A-A
SCALE 1:4




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 Truss Bridge Standard** | |
| **Bridge Name :** | **Span : 16.0 m** |
| **Bridge No :** | **Unit : 6** |
| **Strutural Drawing :** | **Standard pannel** |
| Working Drawing of Steel Deck | |
| **Date:** July 2013 | **Drawing No:** T2SD |



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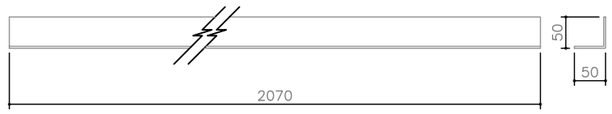
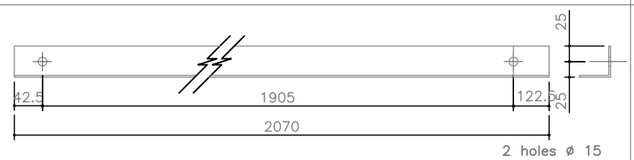
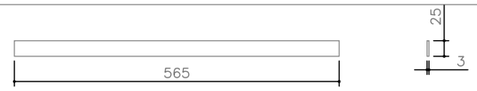
# SPECIAL PANNEL -1, STEEL PART LIST

| Part No. | | Section (mm) | Quantity | Working Drawing (All dimension in mm) | Length Single/pc mm | Length Total m | Weight Single/pc mm | Weight Total kg | Surface to be painted m2 /pc | Surface to be painted Total m2 | Total weight for Glavanization kg | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | a | Angle 50x50x3–2070 cold Formed Rwf. IS 811 and IS B01 | 16 |   | 2070 | 33.12 | 4.761 | 76.176 | 0.414 | 6.624 | 76.176 | Part nos. 1(a to c) to be welded together as shown in welded detail |
| | b1 | Angle 50x50x3–2070 cold Formed Rwf. IS 811 and IS B01 | 4 |   | 2070 | 8.28 | 4.761 | 19.044 | 0.414 | 1.656 | 19.044 | |
| | c | RI– Bar ø 8mm – 635 | 22 |   | 635 | 13.970 | 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 6755 |
| 4 | | Hexagonal nut M 12 | 8.4 |   | – | – | 0.018 | 0.151 | | | – | 5% extra pieces Ref. IS 6755 |
| TOTAL (1 – 4) | | | | | | | | 103.394 kg. | | 8.464m2 | 103.394 kg | 107.501 kg |

Hot Dip Glavanisation Ref. IS 2629,IS2633
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 |

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

**MoFALD / DoLIDAR / Trial Bridge Section**
**Truss Bridge Standard**

**Bridge Name :** **Span : 16.0 m**

**Bridge No :** **Unit : 1**

**Strutural Drawing :** **Special pannel–1**

Working Drawing of Steel Deck

**Date:** July 2013 **Drawing No:** T3SD



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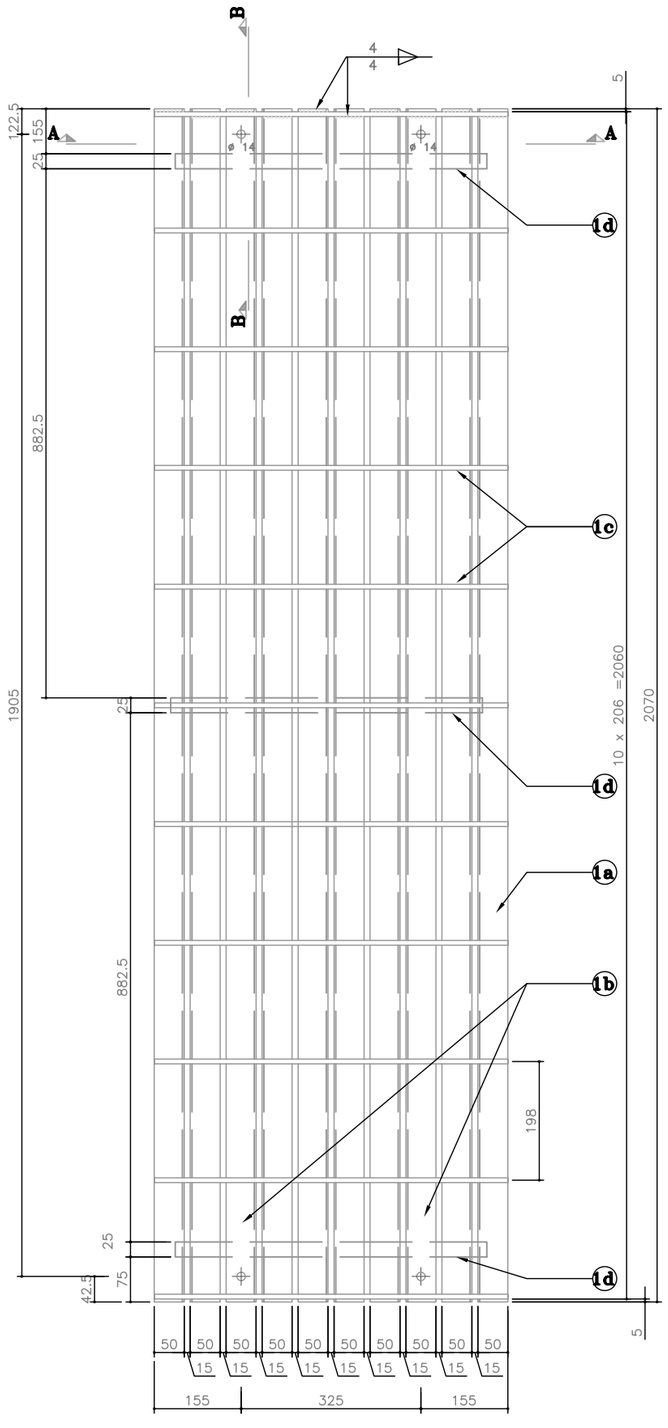


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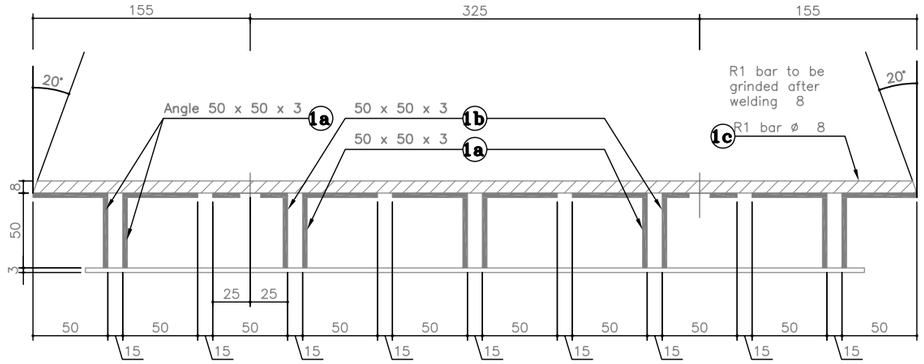
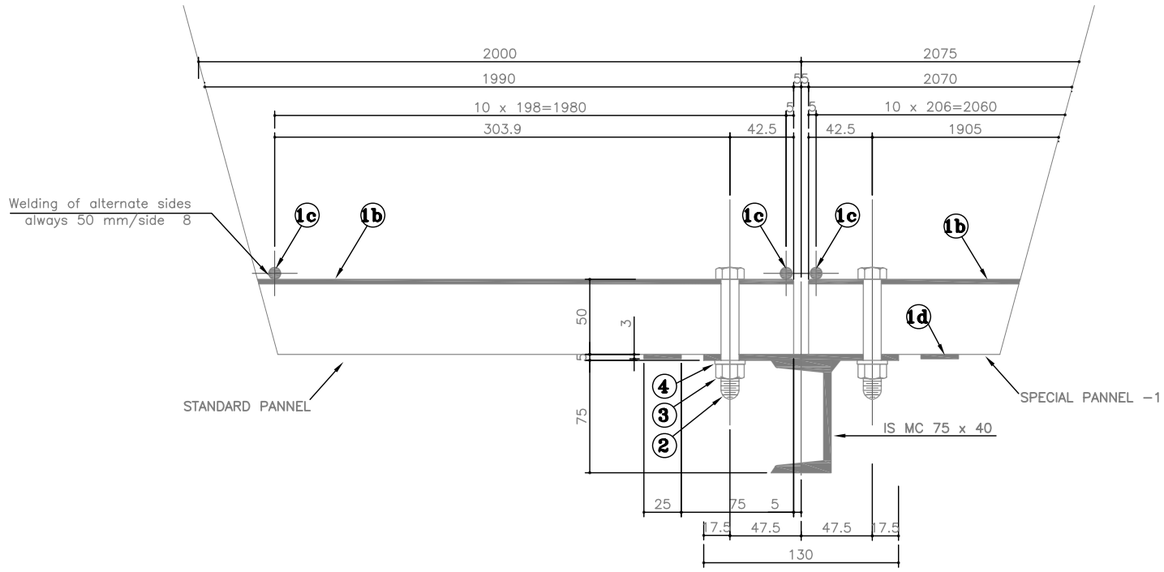



SECTION A-A

SCALE 1:4




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** | |
| **Truss Bridge Standard** | |
| **Bridge Name :** | **Span : 16.0 m** |
| **Bridge No :** | **Unit : 1** |
| **Strutural Drawing :** | **Special pannel –1** |
| Working Drawing of Steel Deck | |
| **Date:** July 2013 | **Drawing No:** T4SD |



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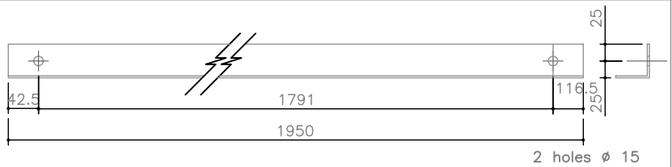
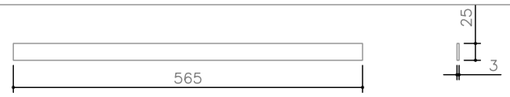
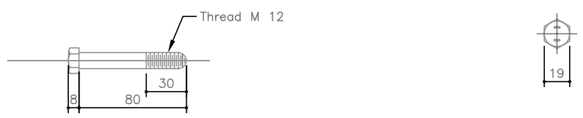
# SPECIAL PANNEL -2, STEEL PART LIST

| Part No. | | Section (mm) | Quantity | Working Drawing (All dimension in mm) | Length Single/pc mm | Length Total m | Weight Single/pc mm | Weight Total kg | Surface to be painted m2 /pc | Surface to be painted Total m2 | Total weight for Glavanization kg | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | a | Angle 50x50x3–1950 cold Formed Rwf. IS 811 and IS B01 | 16 |   | 1950 | 31.2 | 4.485 | 71.76 | 0.398 | 6.368 | 71.76 | Part nos. 1(a to c) to be welded together as shown in welded detail |
| | b1 | Angle 50x50x3–1950 cold Formed Rwf. IS 811 and IS B01 | 4 |   | 1950 | 7.80 | 4.485 | 17.94 | 0.398 | 1.592 | 17.94 | |
| | c | RI– Bar ø 8mm – 635 | 22 |   | 635 | 13.970 | 0.250 | 5.500 | 0.015 | 0.330 | 5.500 | |
| | d | Flat 25x3 – 565 | 6 |   | 565 | 3.39 | 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 6755 |
| 4 | | Hexagonal nut M 12 | 8.4 |   | – | – | 0.018 | 0.151 | | | – | 5% extra pieces Ref. IS 6755 |
| TOTAL (1 – 4) | | | | | | | | 97.194 kg. | | 8.464m2 | | |

Hot Dip Glavanisation Ref. IS 2629,IS2633
Weight of zinc coat 0.61 kg/m2

## SUMMERY 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 |

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

**MoFALD / DoLIDAR / Trial Bridge Section**
**Truss Bridge Standard**

**Bridge Name :** **Span : 16.0 m**

**Bridge No :** **Unit : 1**

**Strutural Drawing :** **Special pannel–2**

Working Drawing of Steel Deck

**Date:** July 2013 **Drawing No:** T5SD



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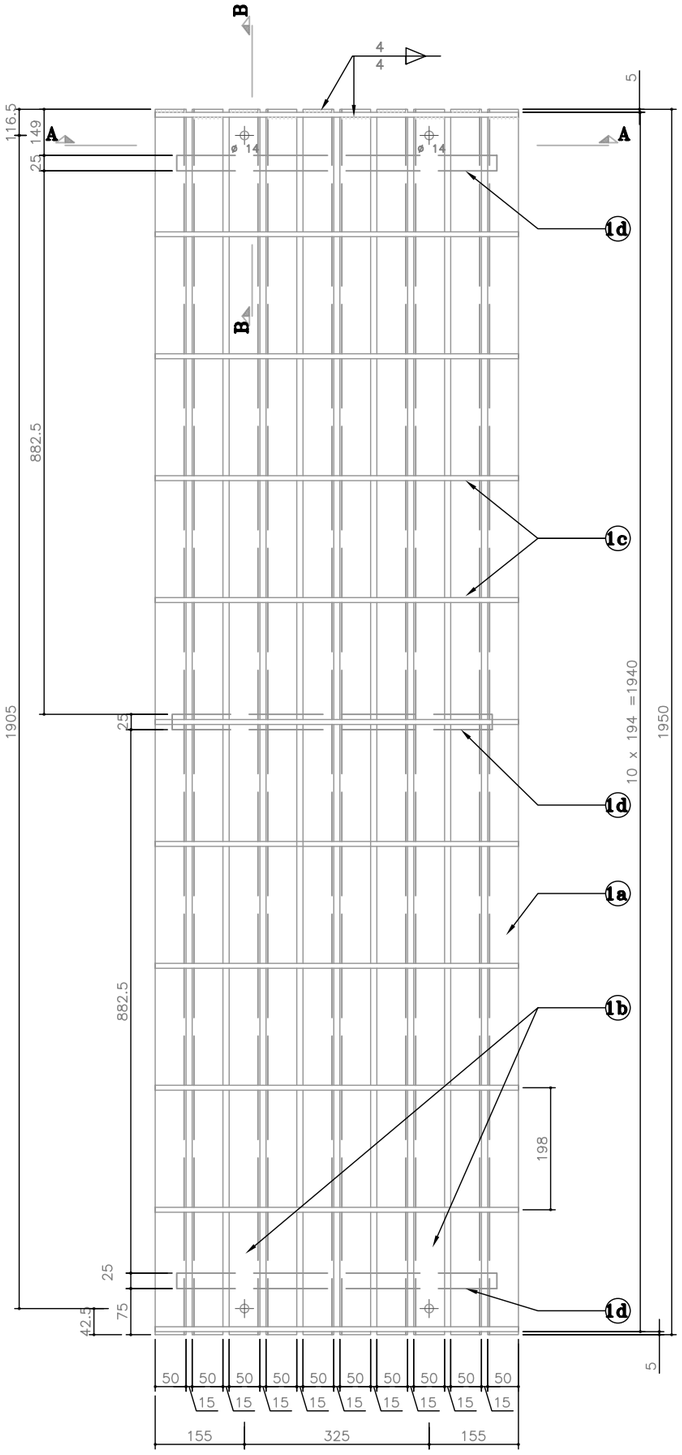
# SPECICAL PANNEL -2

## WELDING DETAIL OF SPECIAL PANNEL 2

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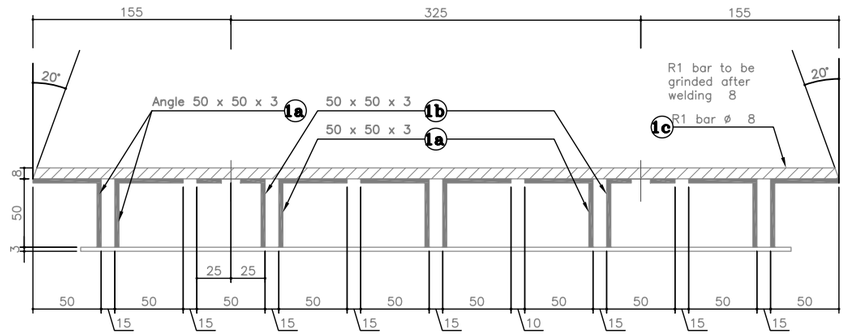
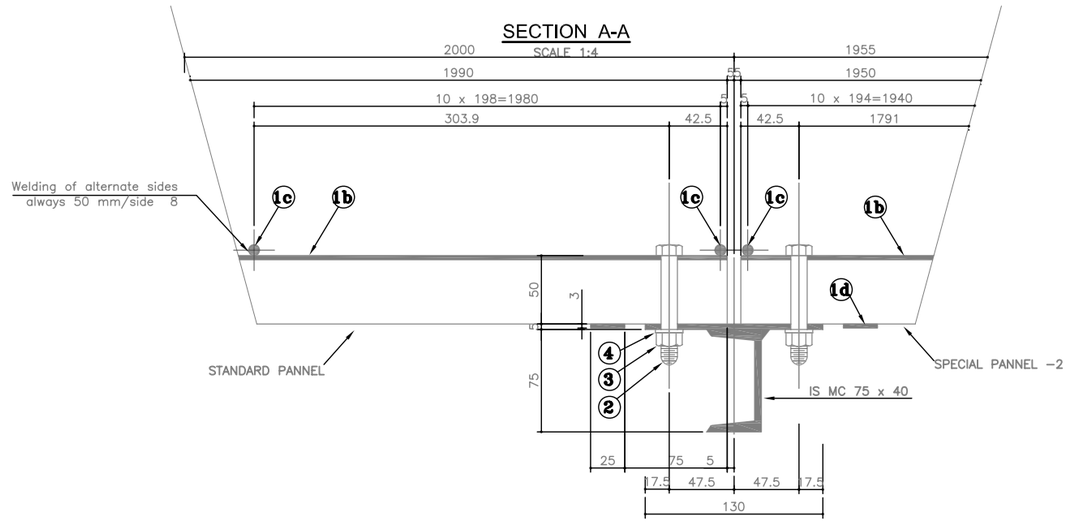
SCALE 1:10




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 Truss Bridge Standard** | |
| **Bridge Name :** | **Span : 16.0 m** |
| **Bridge No :** | **Unit : 1** |
| **Strutural Drawing :** | **Special pannel–2** |
| Working Drawing of Steel Deck | |
| **Date:** July 2013 | **Drawing No:** T6SD |



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