

STANDARD PANNEL, STEEL PART LIST

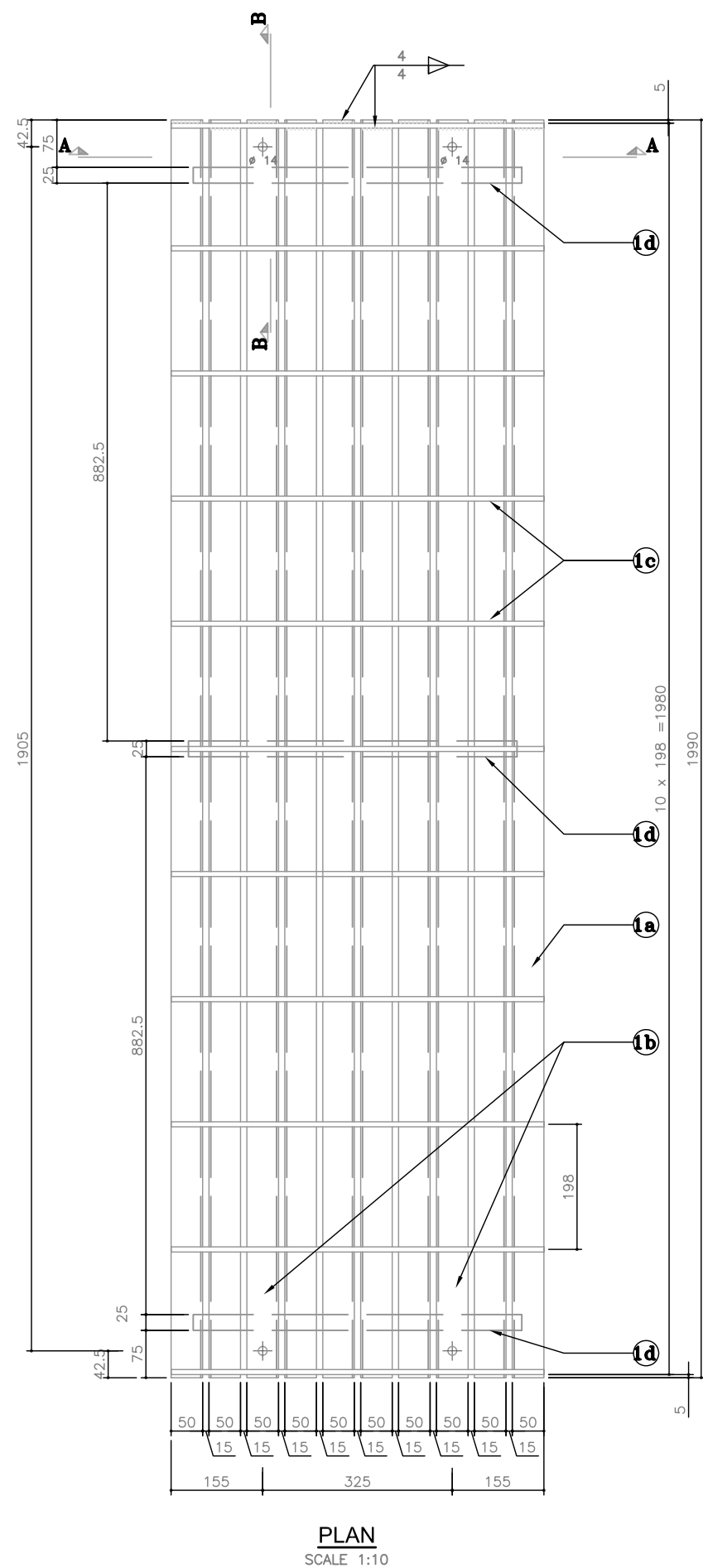
Part No.	Section	(mm)	Quantity	Working Drawing (All dimension in mm)	Length		Weight		Surface to be painted		Total weight for Glavanization kg	Remarks
					Single/pc mm	Total m	Single/pc mm	Total kg	m2 /pc	Total m2		
1	a	Angle 50x50x3—1990 cold Formed Rwf. IS 811 and IS B01	16		1990	31.84	4.577	73.232	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 Weight of zinc coat 0.61 kg/m2	

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

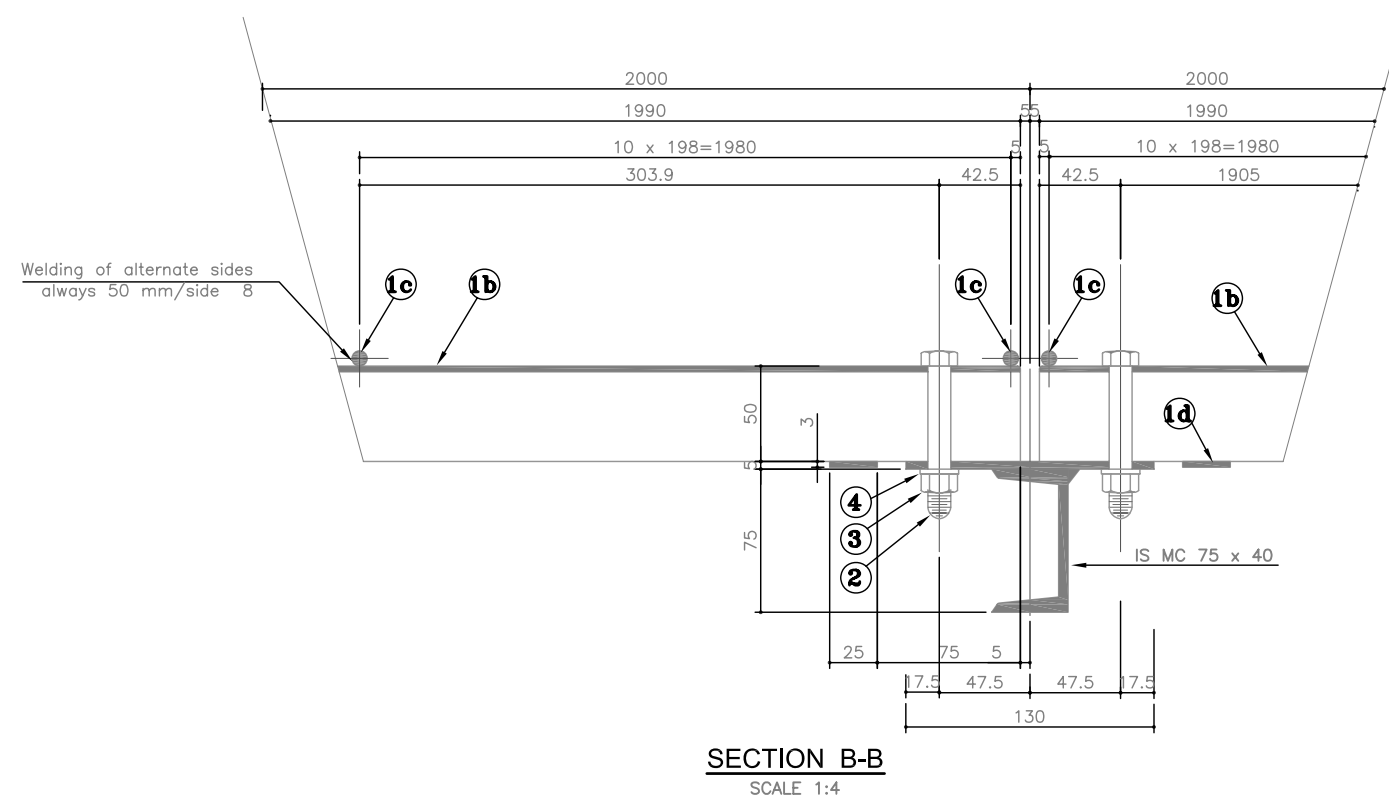
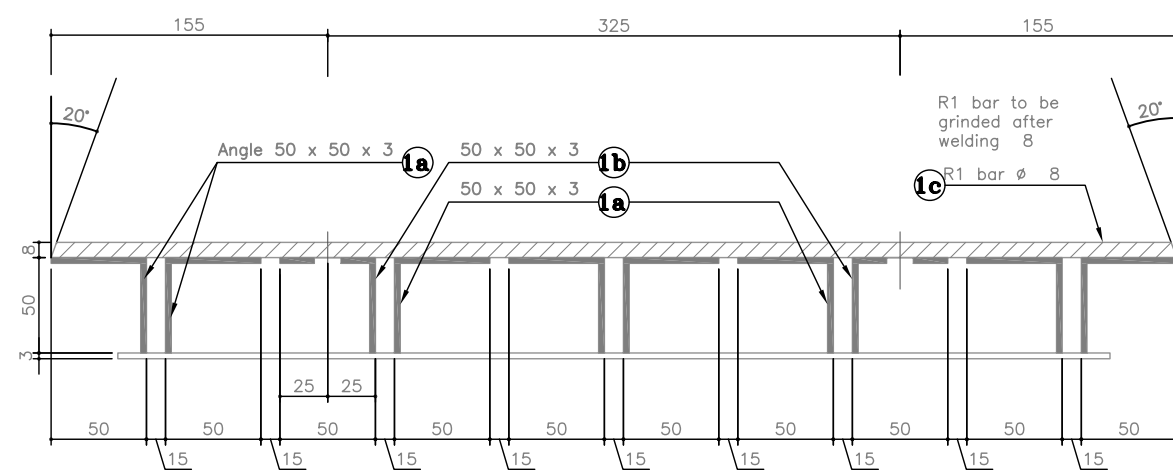
SUMMERY OF STANDARD PANNEL

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

MoFALD / DoLIDAR / Trial Bridge Section Long Span Trail Bridge Standard	
Bridge Name :	Span : 28.0 m
Bridge No :	Unit : 12
Strutural Drawing : Standard pannel	
Working Drawing of Steel Deck	
Date: July 2013	Drawing No: T1SD



WELDING DETAIL OF PART I



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 : 28.0 m
Bridge No :	Unit : 12
Strutural Drawing :	Standard pannel
Working Drawing of Steel Deck	
Date: July 2013	Drawing No: T2SD

SPECIAL PANNEL -1, STEEL PART LIST

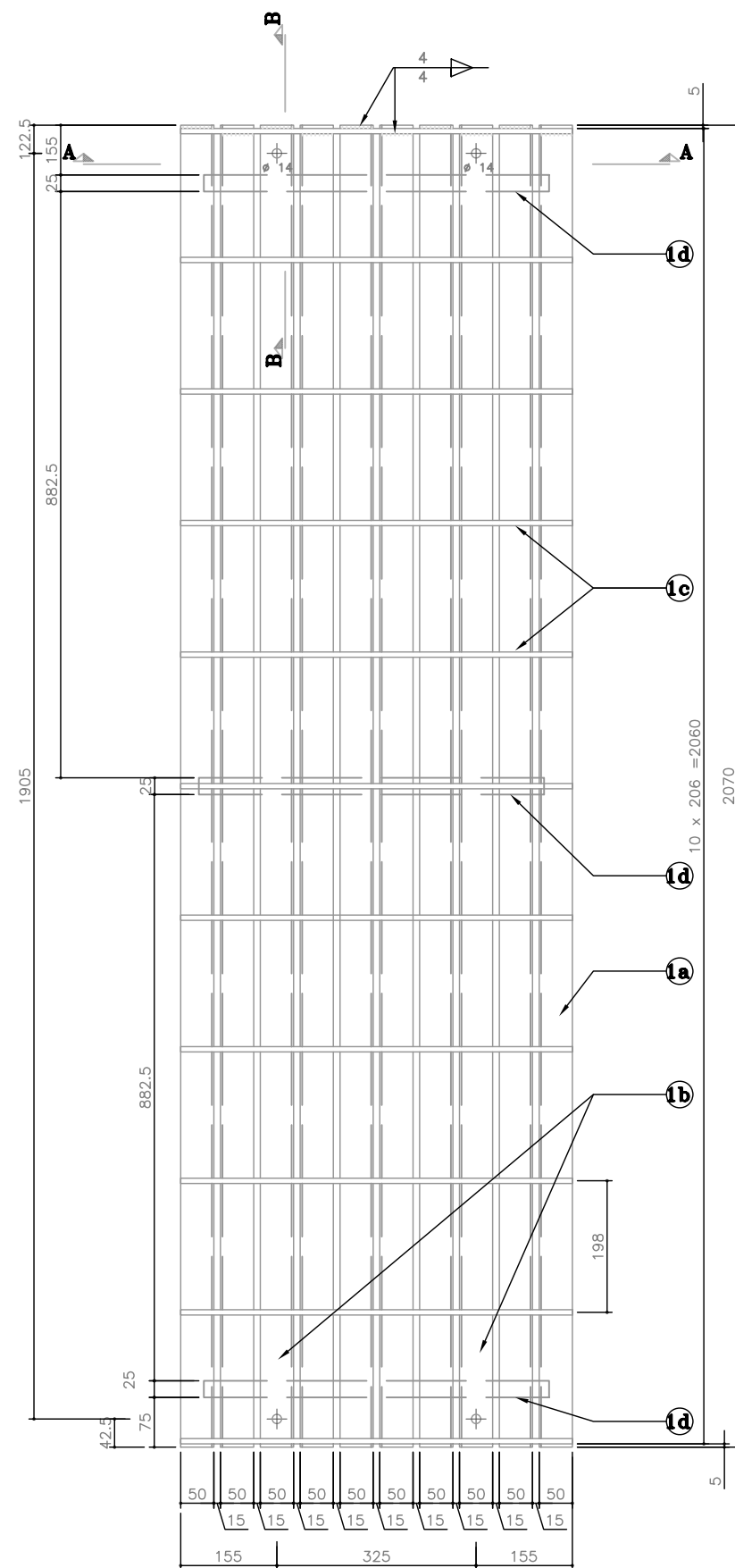
Part No.	Section	(mm)	Quantity	Working Drawing (All dimension in mm)	Length		Weight		Surface to be painted		Total weight for Glavanization kg	Remarks
					Single/pc mm	Total m	Single/pc mm	Total kg	m2 /pc	Total m2		
1	a	Angle 50x50x3—2070 cold Formed Rwf. IS 811 and IS B01	16		2070	33.12	4.761	76.176	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

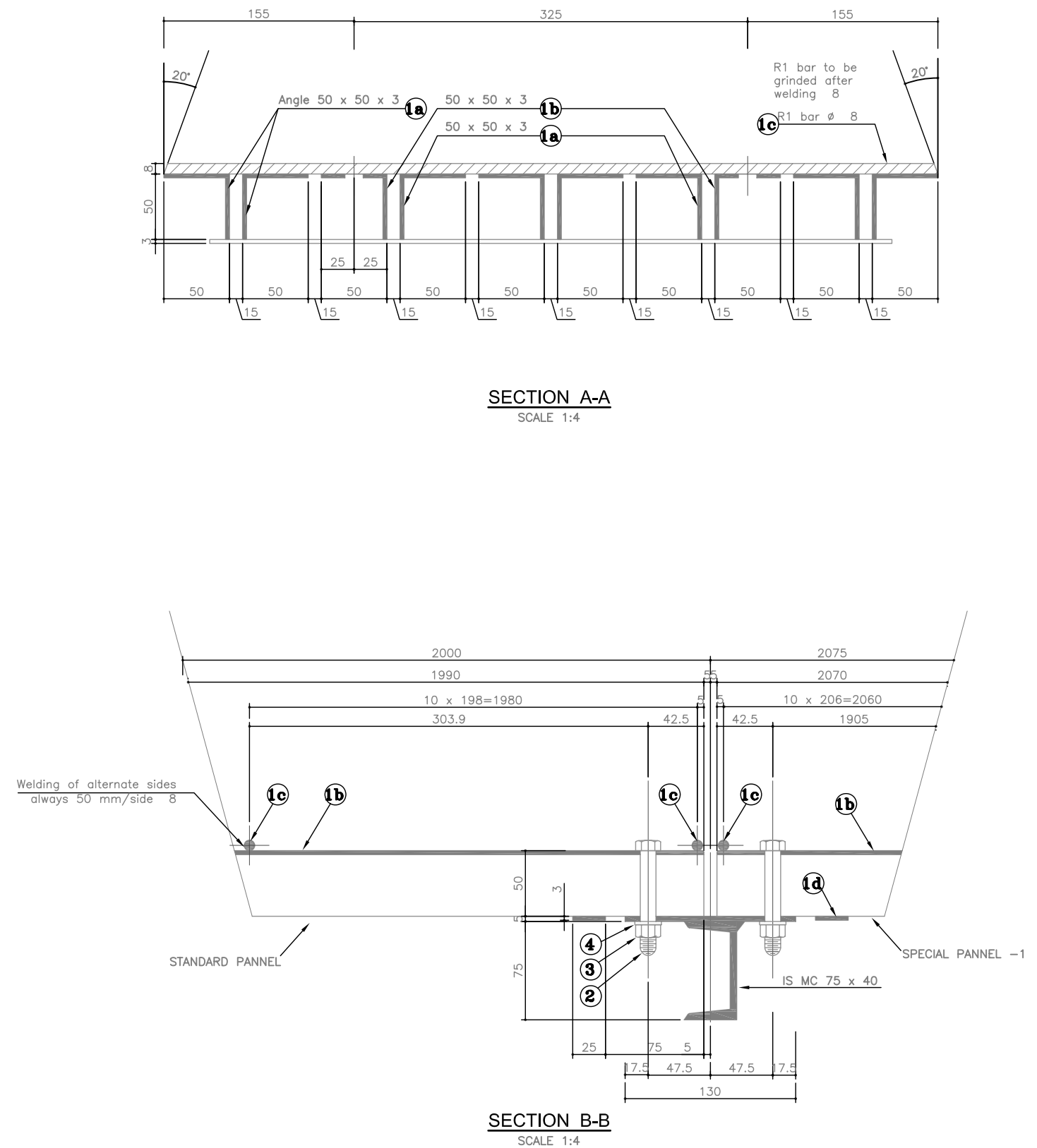
Part no.	Item	Weigth
241	Strutural steel, Standard parts	103.394 kg
243	Screw,bolts,nuts & washers	0.885 kg
410	Transportation	109.486 kg

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

MoFALD / DoLIDAR / Trial Bridge Section Long Span Trail Bridge Standard	
Bridge Name :	Span : 28.0 m
Bridge No :	Unit : 1
Strutural Drawing :	Special pannel-1
Working Drawing of Steel Deck	
Date: July 2013	Drawing No: T3SD



PLAN
SCALE 1:10

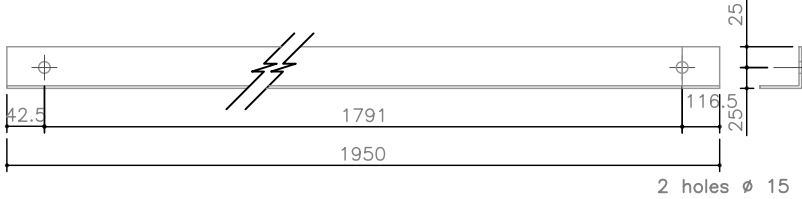
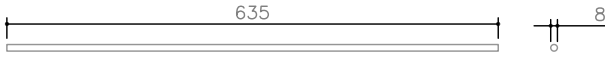
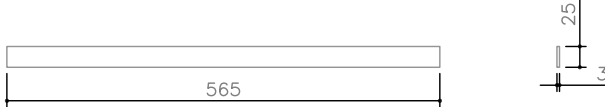
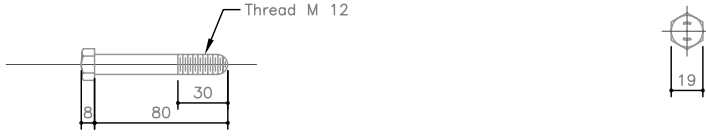


Welding of part 1c to part 1a and 1b at both sides of part 1c
Min welding length = 50 mm/side
Total welding length (min) 5500 mm/Grating part 1c
500 mm/Grating part 1d
All edges have to be grinded smooth.

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 : 28.0 m
Bridge No :	Unit : 1
Strutural Drawing :	
Special pannel – 1	
Working Drawing of Steel Deck	
Date: July 2013	Drawing No: T4SD

SPECIAL PANNEL -2, STEEL PART LIST

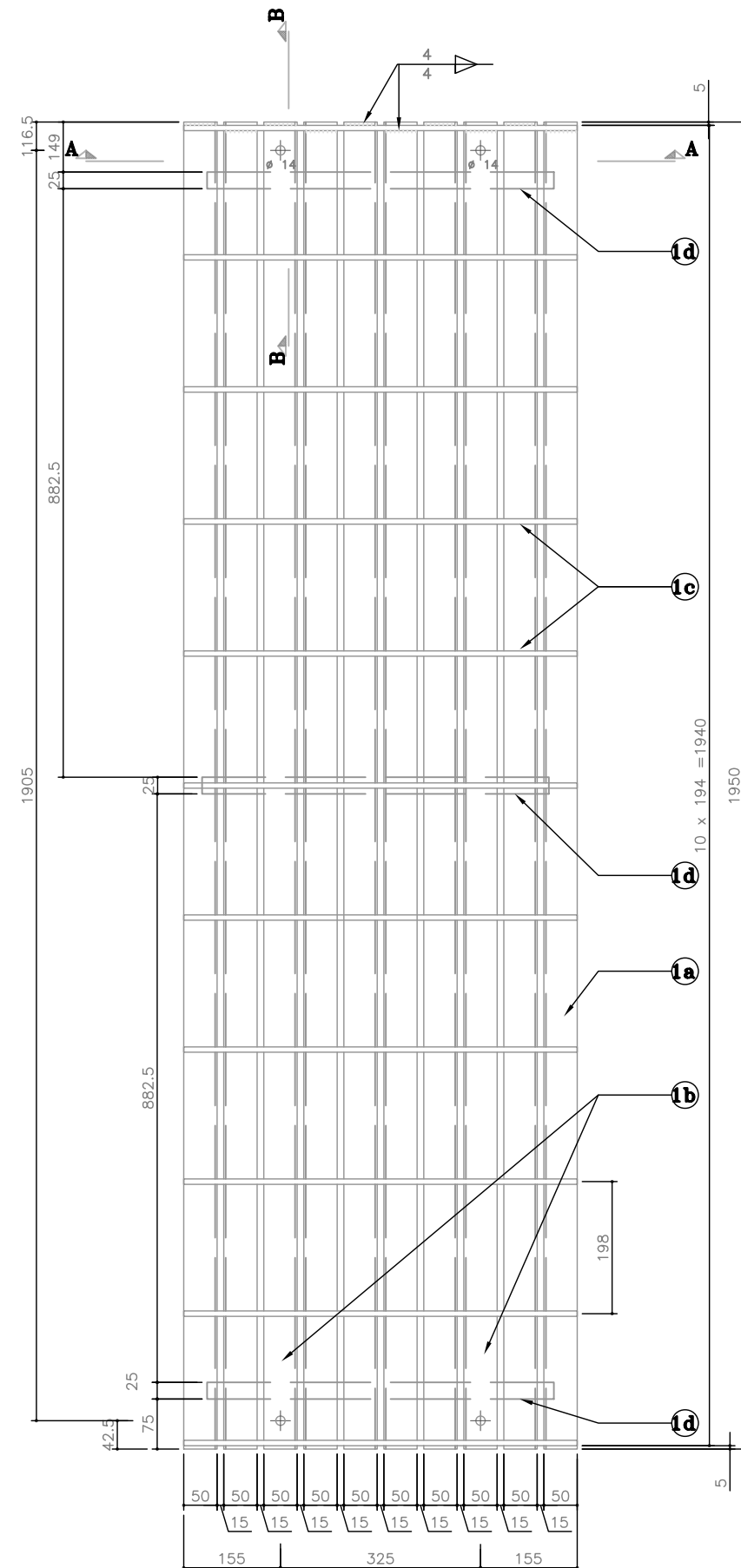
Part No.		Section	(mm)	Quantity	Working Drawing (All dimension in mm)	Length		Weight		Surface to be painted		Total weight for Glavanization kg	Remarks
						Single/pc mm	Total m	Single/pc mm	Total kg	m2 /pc	Total m2		
1	a	Angle 50x50x3—1950 cold Formed Rwf. IS 811 and IS B01	16		1950	31.2	4.485	71.76	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	

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

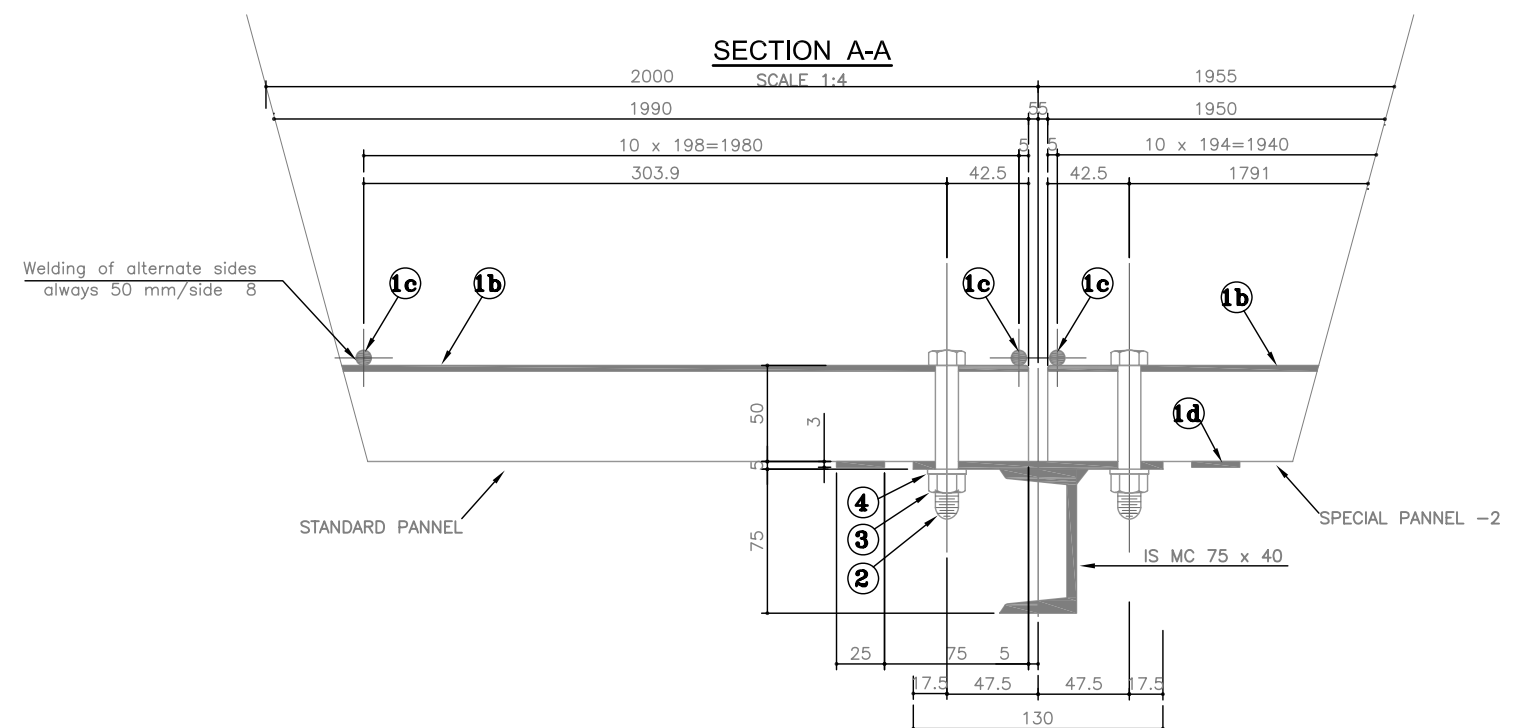
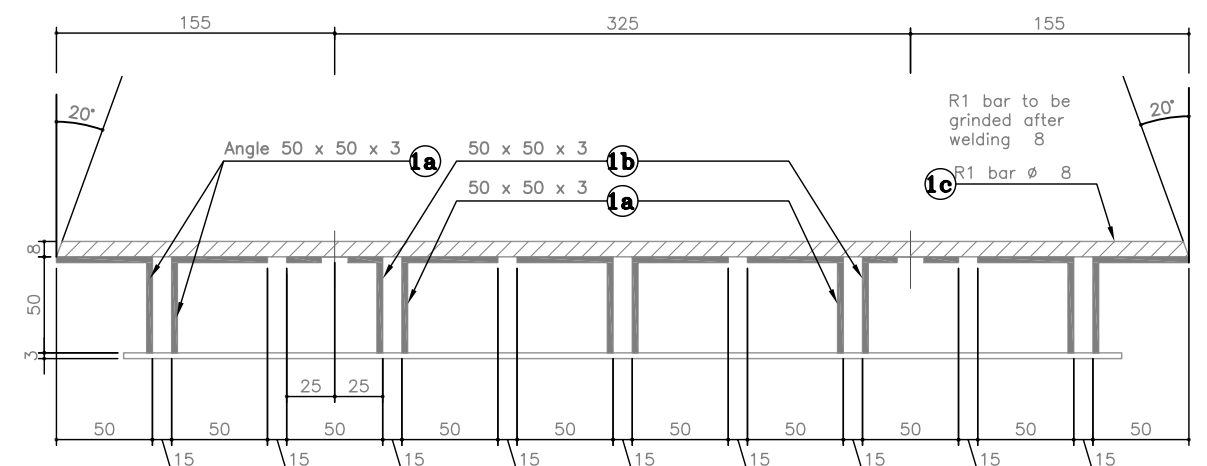
Note :
Manufacturer should verify the Working and Assembly Drawing for it's accuracy before fabrication

MoFALD / DoLIDAR / Trial Bridge Section Long Span Trail Bridge Standard	
Bridge Name :	Span : 28.0 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 : 28.0 m
Bridge No :	Unit : 1
Strutural Drawing :	Special pannel-2
Working Drawing of Steel Deck	
Date: July 2013	Drawing No: T61SD