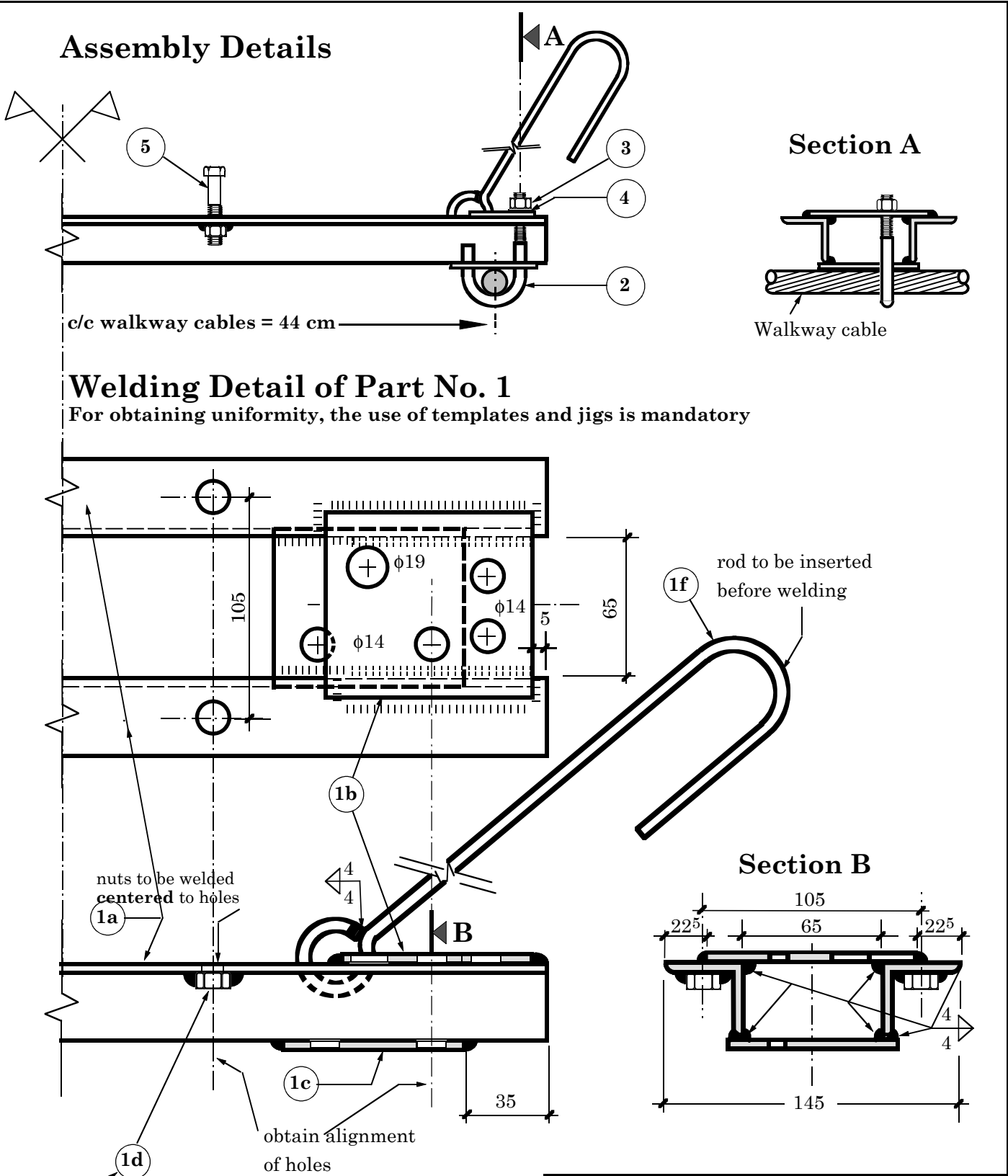


Part No.		Section [mm]	Quantity [nos]	Working Drawing	Weight	
					kg / pc	total kg
1	a	Angle 40/40/5 610	2		1.81	3.62 ^B
	b	Flat 100/6 -106	2		0.46	0.92 ^B
	c	Flat 100/6 -85	2		0.38	0.76 ^B
	d	Hex Nut M12 IS 1363	4		0.015	0.06 ^C
	e	Plain Rod f 8 -1480	2		0.58	1.16 ^B
2		Rod (J - Hook) f 12 - 209	2.1		0.19	0.40 ^B
3		Hex Nut M 12 IS 1363	2.1		0.015	0.04 ^C
4		Plain Washer f 13	6.3		0.005	0.04 ^C
5		Hex Bolt M 12x70 IS 1363	4.2		0.08	0.34 ^C
A = 7.56 kg Transportation Weight B + C + 0.22 kg		B = 6.86 kg Total Structural Steel = Steel to be galvanized		C = 0.48 kg Nuts, Bolts, Washers		

All steelparts must be hot dip galvanized according to IS 2629 & 2633, min thickness = 80 μ m



threads to be cleaned after hot dip galvanization

All structural steel must comply with:
IS 226 - 1975 for structural steel
IS 800 - 1984 for general construction in steel

For Delivery:

- The suspenders shall be folded together with the crossbeam and to be bound with a binding wire
- All sharp corners are to be grinded off

**Required Nos of Crossbeams per bridge:*
= Span in [m]

HMG / Ministry of Local Development	
DoLIDAR / Short SpanTrail Bridge Standard	
Bridge Name:	
No:	Span:
Steel Drawing:	
Crossbeam for Suspended Bridge for 2 Walkway Cables	
for walkway width = 34 cm	
*Nos of Crossbeam required: <input type="text"/>	
Date : Nov. 05, 2001	Drawing No. 01D

Part No.		Section [mm]	Quantity [nos]	Working Drawing	Weight	
					kg / pc	total kg
1	a	Angle 40/40/5 970	2		2.87	5.74 ^B
	b	Flat 100/6 -106	2		0.46	0.92 ^B
	c	Flat 100/6 -85	2		0.38	0.76 ^B
	d	Flat 100/6 -85	1		0.38	0.38 ^B
	e	Hex Nut M 12 IS 1363	8		0.015	0.12 ^C
	f	Plain Rod f 8 -1430	2		0.56	1.12 ^B
2		Rod (J - Hook) f 12 - 209	2.1		0.19	0.40 ^B
3		Hex Nut M 12 IS 1363	2.1		0.015	0.04 ^C
4		Plain Washer f 13	10.5		0.005	0.06 ^C
5		Hex Bolt M 12x70 IS 1363	8.4		0.08	0.67 ^C
A = 10.49 kg Transportation Weight B + C + 0.28 kg				B = 9.32 kg Total Structural Steel = Steel to be galvanized	C = 0.89 kg Nuts, Bolts, Washers	

All steel parts must be **hot dip galvanized** according to IS 2629 & 2633, min thickness = 80 μm

Assembly Details

c/c walkway cables = 80 cm

Section A

Walkway cable

Welding Detail of Part No. 1

For obtaining uniformity, the use of templates and jigs is mandatory

rod to be inserted before welding

nuts to be welded centre

welding this side

obtain alignment of holes

threads to be cleaned after hot dip galvanization

*Required Nos of Crossbeams per bridge: = Span in [m]

threads to be cleaned after hot dip galvanization

All structural steel must comply with:
IS 226 - 1975 for structural steel
IS 800 - 1984 for general construction in steel

For Delivery:
- The suspenders shall be folded together with the crossbeam and to be bound with a binding wire
- Fit one hex nut and one washer to each J - hook.
- All sharp corners are to be grinded off

Section B

HMG / Ministry of Local Development
DoLIDAR / Short Span Trail Bridge Standard

Bridge Name: _____

No: _____ Span: _____

Steel Drawing: _____

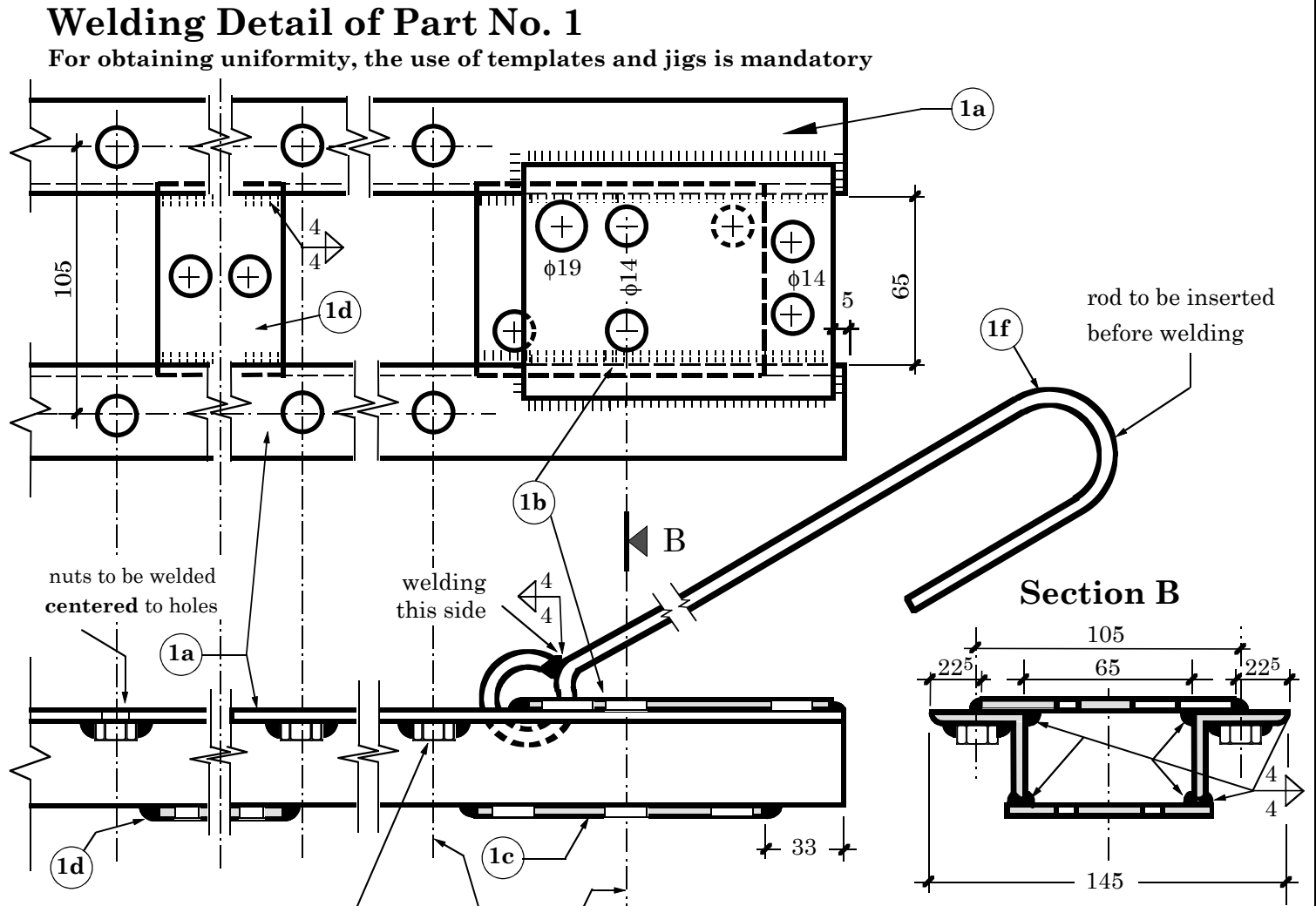
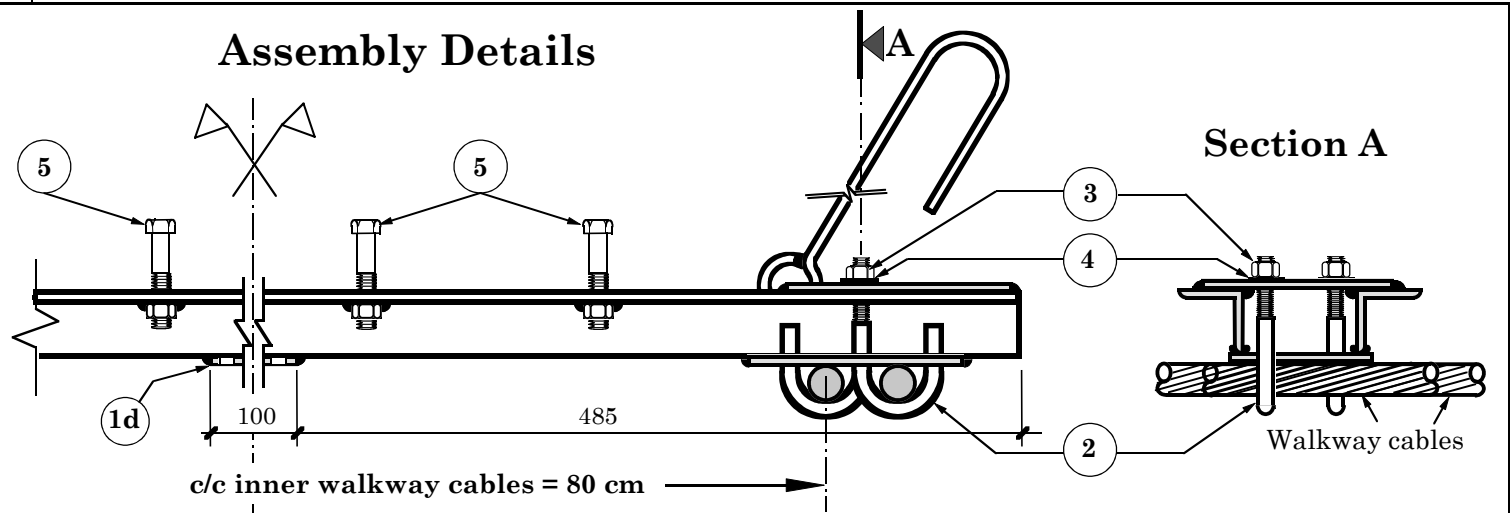
**Crossbeam for Suspended Bridge
for 2 Walkway Cables
for walkway width = 70 cm**

*Nos of Crossbeam required: _____

Date _____ Drawn by _____

Part No.		Section [mm]	Quantity [nos]	Working Drawing	Weight	
					kg / pc	total kg
1	a	Angle 40/40/5 1070	2		3.15	6.30 ^B
	b	Flat 100/6 -156	2		0.69	1.38 ^B
	c	Flat 75/6 -150	2		0.50	1.00 ^B
	d	Flat 75/6 -100	1		0.37	0.37 ^B
	e	Hex Nut M 12 IS 1363	8		0.015	0.12 ^C
	f	Plain Rod f 8 -1430	2		0.56	1.12 ^B
2	Rod (J - Hook) f 12 - 209	4.2		0.19	0.80 ^B	
3	Hex Nut M 12 IS 1363	4.2		IS 1363, hot dip galvanized acc. to: IS 1367, Part XIII	0.015	0.07 ^C
4	Plain Washer f 13	12.6			0.005	0.07 ^C
5	Hex Bolt M 12x70 IS 1363	8.4			0.08	0.67 ^C
A = 12.22 kg Transportation Weight B + C + 0.32 kg			B = 10.97 kg Total Structural Steel = Steel to be galvanized		C = 0.93 kg Nuts, Bolts, Washers	

All steel parts must be **hot dip galvanized** according to IS 2629 & 2633, min thickness = 80 μm



HMG / Ministry of Local Development DoLIDAR / Short Span Trail Bridge Standard	
Bridge Name:	Span:
No:	
Steel Drawing:	
Crossbeam for Suspended Bridge for 4 Walkway Cables for walkway width = 70 cm	
*Nos of Crossbeam required: <input type="text"/>	
Date : Nov. 05, 2001	Drawing No. 02D4

Part No.		Section [mm]	Quantity [nos]	Working Drawing	Weight	
					kg / pc	total kg
1	a	Angle 40/40/5 1330	2		3.91	7.82 ^B
	b	Flat 100/6 -106	2		0.46	0.92 ^B
	c	Flat 100/6 -85	2		0.38	0.76 ^B
	d	Flat 100/6 -85	2		0.38	0.76 ^B
	e	Hex Nut M 12 IS 1363	12		0.015	0.18 ^C
	f	Plain Rod f 8 -1430	2		0.56	1.12 ^B
2		Rod (J - Hook) f 12 - 209	2.1		0.19	0.40 ^B
3		Hex Nut M 12 IS 1363	2.1		0.015	0.04 ^C
4		Plain Washer f 13	14.7		0.005	0.08 ^C
5		Hex Bolt M 12x70 IS 1363	12.6		0.08	1.01 ^C
A = 13.44 kg Transportation Weight B + C + 0.35 kg				B = 11.78 kg Total Structural Steel = Steel to be galvanized	C = 1.31 kg Nuts, Bolts, Washers	

All steelparts must be **hot dip galvanized** according to IS 2629 & 2633, min thickness = 80 μ m

Assembly Details

c/c walkway cables = 116 cm

Welding Detail of Part No. 1

For obtaining uniformity, the use of templates and jigs is mandatory

rod to be inserted before welding

nuts to be welded centered to holes

welding this side

obtain alignment of holes

threads to be cleaned after hot dip galvanization

Section A

Walkway cable

Section B

*Required Nos of Crossbeams per bridge: = Span in [m]

For Delivery:

- The suspenders shall be folded together with the crossbeam and to be bound with a binding wire
- Fit one hex nut and one washer to each J - hook.
- All sharp corners are to be grinded off

HMG / Ministry of Local Development
DoLIDAR / Short SpanTrail Bridge Standard

Bridge Name: _____

No: _____ Span: _____

Steel Drawing: _____

**Crossbeam for Suspended Bridge
for 2 Walkway Cables**
for walkway width = 106 cm

*Nos of Crossbeam required: _____

Date : Nov. 05, 2001 Drawing No. 03D

Part No.	Section [mm]	Quantity [nos]	Working Drawing	Weight	
				kg / pc	total kg
1	a	2		4.21	8.42 ^B
	b	2		0.69	1.38 ^B
	c	2		0.50	1.00 ^B
	d	2		0.37	0.74 ^B
	e	12		0.015	0.18 ^C
	f	2		0.56	1.12 ^B
2	Rod (J - Hook) f 12 - 209	4.2		0.19	0.80 ^B
3	Hex Nut M 12 IS 1363	4.2		0.015	0.07 ^C
4	Plain Washer f 13	16.8		0.005	0.09 ^C
5	Hex Bolt M 12x70 IS 1363	12.6		0.08	1.01 ^C
A = 15.16 kg Transportation Weight B + C + 0.35 kg			B = 13.46 kg Total Structural Steel = Steel to be galvanized		C = 1.35 kg Nuts, Bolts, Washers

All steel parts must be **hot dip galvanized** according to IS 2629 & 2633, min thickness = 80 μ m

Assembly Details

c/c inner walkway cables = 116 cm

Welding Detail of Part No. 1

For obtaining uniformity, the use of templates and jigs is mandatory

nuts to be welded centered to holes

welding this side

obtain alignment of holes

threads to be cleaned after hot dip galvanization

rod to be inserted before welding

***Required Nos of Crossbeams per bridge: = Span in [m]**

For Delivery:

- The suspenders shall be folded together with the crossbeam and to be bound with a binding wire
- Fit one hex nut and one washer to each J - hook.
- All sharp corners are to be grinded off

HMG / Ministry of Local Development
DoLIDAR / Short Span Trail Bridge Standard

Bridge Name: _____

No: _____ Span: _____

Steel Drawing: _____

Crossbeam for Suspended Bridge for 4 Walkway Cables
for walkway width = 106 cm

*Nos of Crossbeam required: _____

Date : Nov. 05, 2001 Drawing No. 03D4