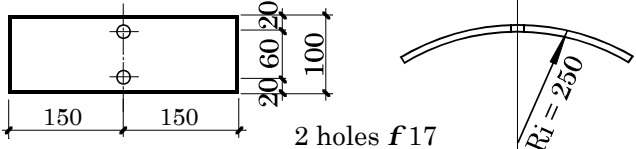
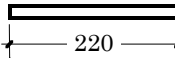
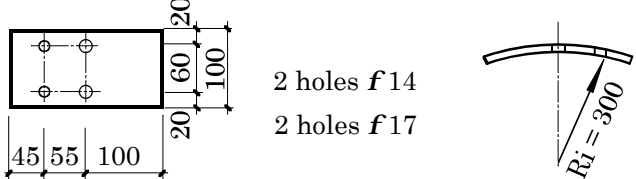
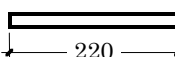
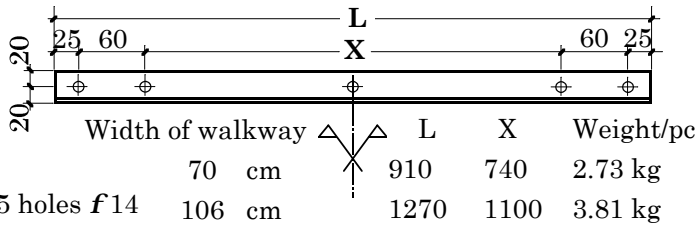
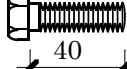
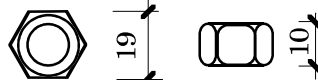
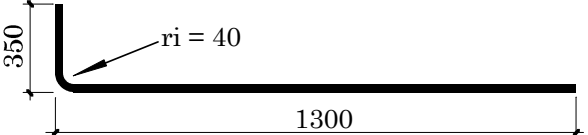
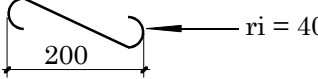
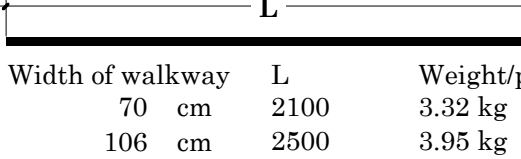
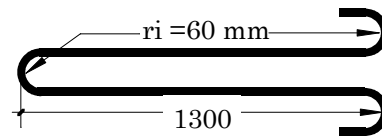
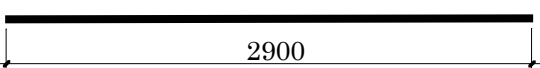
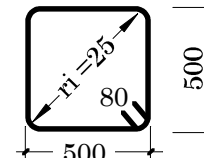
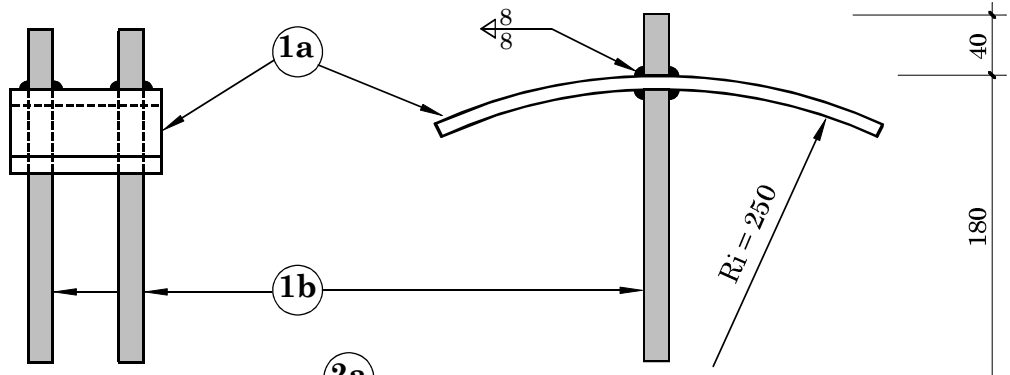
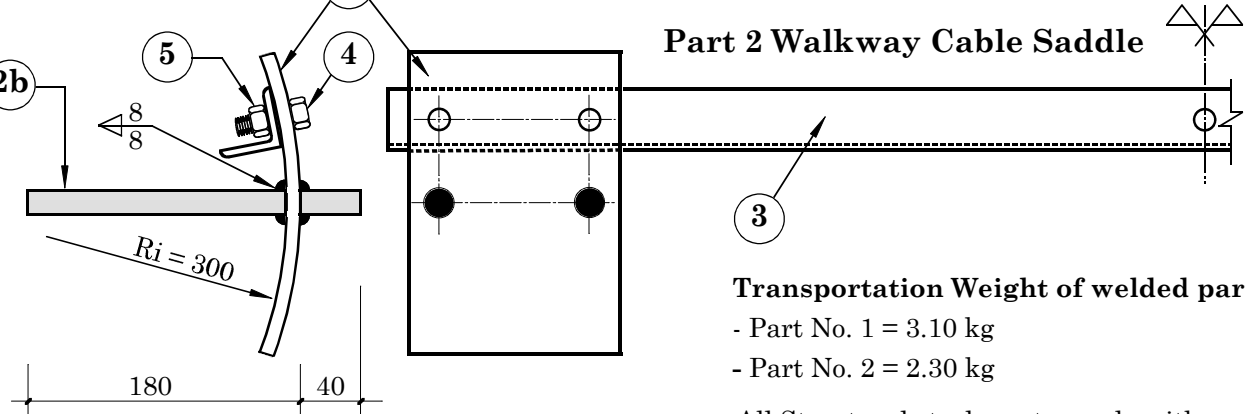


Part No.		Section [mm]	Quantity [nos]	Working Drawing	Weight													
					Kg/pc	total Kg												
1	a	Plate 100/300/10	2		2.35 galvanized	4.70g												
	b	Ri-Bar f 16 l = 220	4		0.35 galvanized	1.40g												
2	a	Plate 100/200/10	2		1.57 galvanized	3.14g												
	b	Ri-Bar f 16 l = 220	4		0.35 galvanized	1.40g												
3		Angle (spacer) 40/40/5 l =	1	 <table><tr><th>Width of walkway</th><th>L</th><th>X</th><th>Weight/pc</th></tr><tr><td>70 cm</td><td>910</td><td>740</td><td>2.73 kg</td></tr><tr><td>106 cm</td><td>1270</td><td>1100</td><td>3.81 kg</td></tr></table> 5 holes f14	Width of walkway	L	X	Weight/pc	70 cm	910	740	2.73 kg	106 cm	1270	1100	3.81 kg untreatedU
Width of walkway	L	X	Weight/pc															
70 cm	910	740	2.73 kg															
106 cm	1270	1100	3.81 kg															
4		Hex bolt M12 - 40	4	 galvanized	0.065	0.26 ^c												
5		Hex nut M12	4	 galvanized	0.015	0.06 ^c												
6		Ri - Bar f 16 l = 1650	4		2.61	10.44 ^R												
7		Ri-Bar f 6 l = 320	10		0.07	0.70 ^R												
8		Ri - Bar f 16 l =	2	 <table><tr><th>Width of walkway</th><th>L</th><th>Weight/pc</th></tr><tr><td>70 cm</td><td>2100</td><td>3.32 kg</td></tr><tr><td>106 cm</td><td>2500</td><td>3.95 kg</td></tr></table>	Width of walkway	L	Weight/pc	70 cm	2100	3.32 kg	106 cm	2500	3.95 kg ^R			
Width of walkway	L	Weight/pc																
70 cm	2100	3.32 kg																
106 cm	2500	3.95 kg																
9		Bulldog Grip f	2	for fixing first suspender at handrail cable f 26 or 32 MS forged, according to ISI standard, hot dip galvanized ^D												
10		Plain Rod f 20 l = 3100	2*	 *Erection Hooks needed at one bank only	7.66 ^R												
11		Ri-Bar f 20 l = 2900	4		7.16	28.64 ^R												
12		Ri - Bar f 12 l = 2200	11	 For Deadman Beam	1.95	21.45 ^R												

Part No.	Section [mm]	Quantity [nos]	Working Drawing		Weight		
					Kg/pc	total Kg	
13	Bulldog Grips MS forged ISI standard	f 13	12	for fixing & joining Fixation Cable f 13mm	0.28	3.36 ^D	
14		f ....	.....	for Handrail Cable f 26 or 32mm	.....	.....^D
15		f ....	.....	for Walkway Cable f 26 or 32mm	.....	.....^D
16		1	Binding Wire			1.00	1.00
A = kg. Total transportation Weight B+C+D+R+ 1.16 kg.			B = kg. Total Structural Steel = (u+g)		g = 10.64 kg. Steel to be galvanized		
C = 0.32 kg Nuts, Bolts, Washers			D = kg Bulldog Grips		R = kg Reinforcement Steel		



Part 1:
Handrail Cable
Saddle



Part 2 Walkway Cable Saddle

Transportation Weight of welded parts :

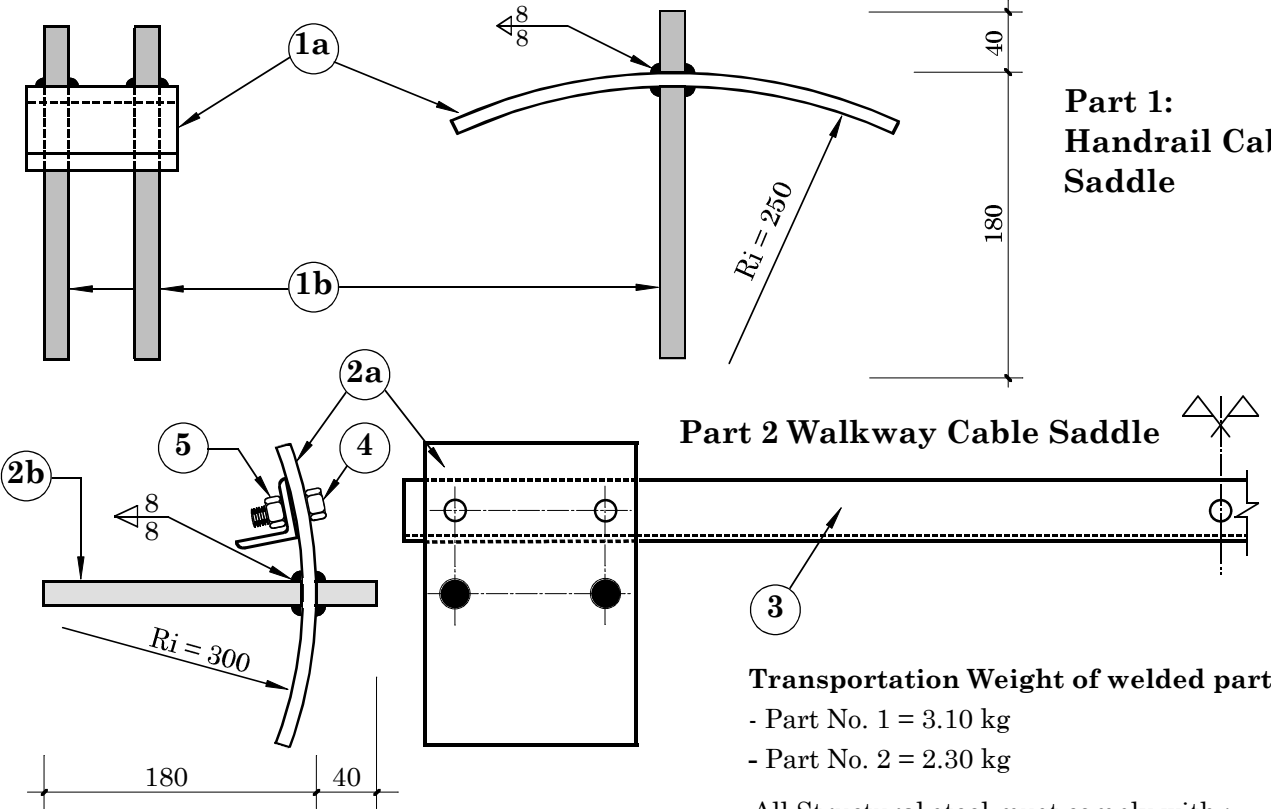
- Part No. 1 = 3.10 kg
- Part No. 2 = 2.30 kg

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

HMG / Ministry of Local Development DoLIDAR / Short Span Trail Bridge Standard			
Bridge Name:			
No:	Bank:	Span:	
Steel Drawing: Saddles & Reinforcement for RCC Deadman & Gravity Soil Anchor for 2 Walkway Cables Walkway Width : <input type="text"/> cm			
Set for one Foundation Nos of Foundation required, 1 or 2 : <input type="text"/>			
Date : Nov. 05, 2001		Drawing No. 20D2	

Cable f mm	Bulldog Grips for two cables	Weight.	
		(kg/pc)	Total kg
26	10	1.10	11.00
32	12	1.30	15.60

Part No.	Section [mm]	Quantity [nos]	Working Drawing		Weight		
					Kg/pc	total Kg	
13	Bulldog Grips MS forged ISI standard	f 13	12	for fixing & joining Fixation Cable f 13mm	0.28	3.36 ^D	
14		f .....	.....	for Handrail Cable f 26 or 32mm	.....	.....^D
15		f .....	.....	for Walkway Cable f 26 or 32mm	.....	.....^D
16		1	Binding Wire		1.00	1.00	
A = kg. Total transportation Weight B+C+D+R+ 1.16 kg.			B = kg. Total Structural Steel = (u+g)		g = 10.64 kg. Steel to be galvanized	
C = 0.32 kg Nuts, Bolts, Washers			D = kg Bulldog Grips		R = kg Reinforcement Steel		



Transportation Weight of welded parts :
- Part No. 1 = 3.10 kg
- Part No. 2 = 2.30 kg

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

Related Construction Drawings are :
- 20Dcon70 or 20Dcon106
- 21Dcon - 41Dcon
- 22Dcon - 42Dcon
- 23 Dcon
- 24 Dcon
- 25 Dcon
- 26 Dcon

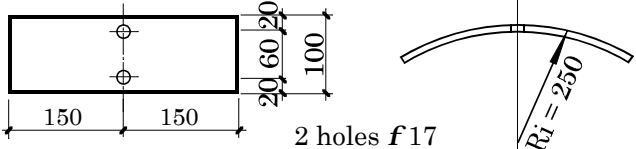
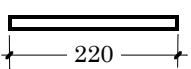
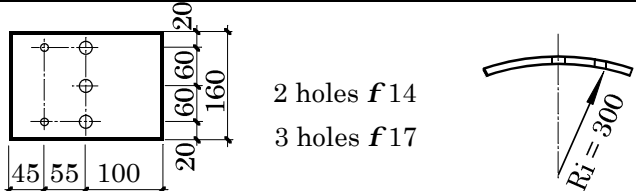
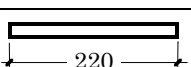
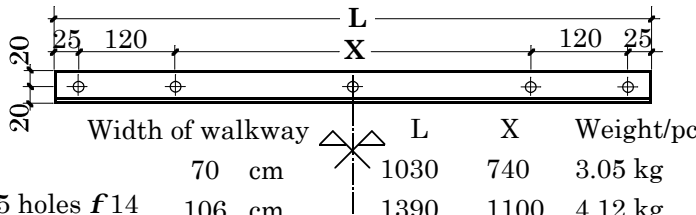
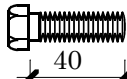

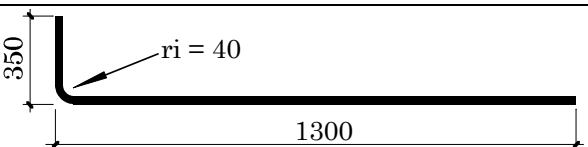
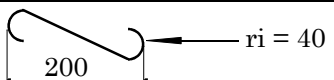
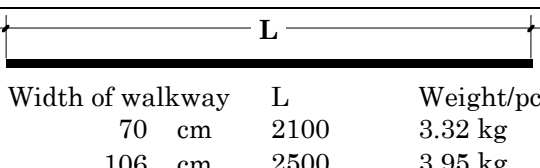
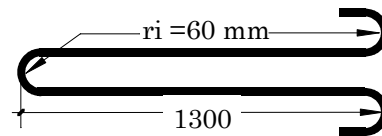
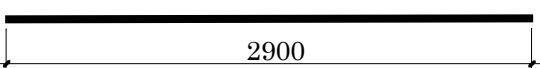
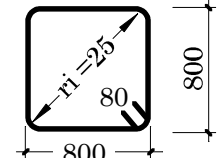
The following steel parts must be hot dip galvanized acc. to IS 2629 & 2633, min thickness = 80 μ m

Part No. 1 & 2

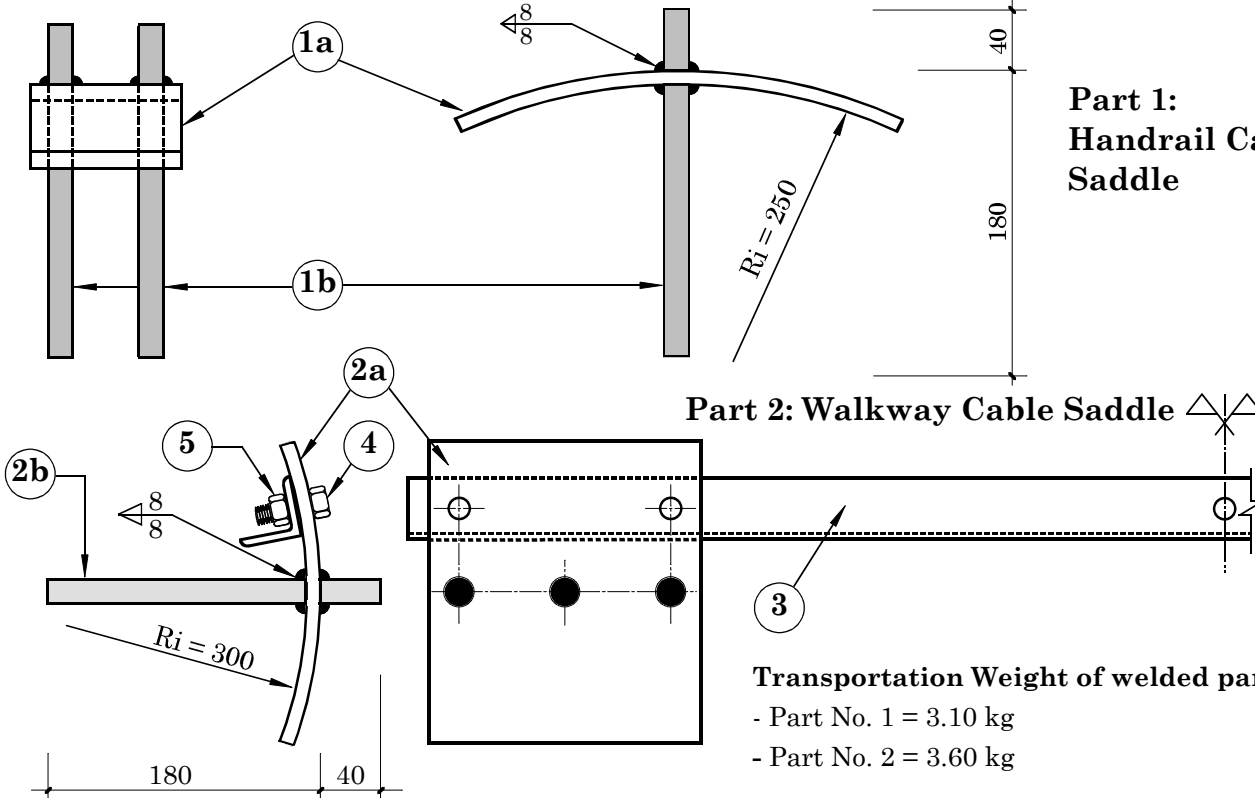
All Nuts & Bolts must conform to IS 1363 and are galvanized acc. to IS 1367, Part XIII

Cable f mm	Bulldog Grips for two cables	Weight.	
		(kg/pc)	Total kg
26	10	1.10	11.00
32	12	1.30	15.60

HMG / Ministry of Local Development		
DoLIDAR / Short Span Trail Bridge Standard		
Bridge Name:		
No:	Bank:	Span:
Steel Drawing:		
Saddles & Reinforcement for RCC Deadman & Gravity Soil Anchor for 2 Walkway Cables		
Walkway Width :		cm
Set for one Foundation		
Nos of Foundation required, 1 or 2 :		
Date : Nov. 05, 2001		Drawing No. 20D2

Part No.		Section [mm]	Quantity [nos]	Working Drawing	Weight													
					Kg/pc	total Kg												
1	a	Plate 100/300/10	2		2.35 <i>galvanized</i>	4.70 ^g												
	b	Ri-Bar <i>f</i> 16 l = 220	4		0.35 <i>galvanized</i>	1.40 ^g												
2	a	Plate 160/200/10	2		2.50 <i>galvanized</i>	5.00 ^g												
	b	Ri-Bar <i>f</i> 16 l = 220	6		0.35 <i>galvanized</i>	2.10 ^g												
3		Angle (spacer) 40/40/5 l =	1	 <table><tr><th>Width of walkway</th><th>L</th><th>X</th><th>Weight/pc</th></tr><tr><td>70 cm</td><td>1030</td><td>740</td><td>3.05 kg</td></tr><tr><td>106 cm</td><td>1390</td><td>1100</td><td>4.12 kg</td></tr></table> 5 holes <i>f</i> 14 <i>untreated</i>	Width of walkway	L	X	Weight/pc	70 cm	1030	740	3.05 kg	106 cm	1390	1100	4.12 kg ^U
Width of walkway	L	X	Weight/pc															
70 cm	1030	740	3.05 kg															
106 cm	1390	1100	4.12 kg															
4		Hex bolt M12 - 40	4	 <i>galvanized</i>	0.065	0.26 ^c												
5		Hex nut M12	4	 <i>galvanized</i>	0.015	0.06 ^c												
6		Ri - Bar <i>f</i> 16 l = 1650	4		2.61	10.44 ^R												
7		Ri-Bar <i>f</i> 6 l = 320	10		0.07	0.70 ^R												
8		Ri - Bar <i>f</i> 16 l =	2	 <table><tr><th>Width of walkway</th><th>L</th><th>Weight/pc</th></tr><tr><td>70 cm</td><td>2100</td><td>3.32 kg</td></tr><tr><td>106 cm</td><td>2500</td><td>3.95 kg</td></tr></table> For Concrete Core of Limb Wall	Width of walkway	L	Weight/pc	70 cm	2100	3.32 kg	106 cm	2500	3.95 kg ^R			
Width of walkway	L	Weight/pc																
70 cm	2100	3.32 kg																
106 cm	2500	3.95 kg																
9		Bulldog Grip <i>f</i>	2	for fixing first suspender at handrail cable <i>f</i> 26 or 32 MS forged, according to ISI standard, hot dip galvanized ^D												
10		Plain Rod <i>f</i> 20 l = 3100	4*	 *Erection Hooks needed at one bank only	7.66 ^R												
11		Ri-Bar <i>f</i> 20 l = 2900	8		7.16	57.28 ^R												
12		Ri - Bar <i>f</i> 12 l = 3350	11	 For Deadman Beam	2.98	32.78 ^R												

Part No.	Section [mm]	Quantity [nos]	Working Drawing	Weight Kg/pc	total Kg	
13	Bulldog Grips MS forged ISI standard	<i>f</i> 13	12	for fixing & joining Fixation Cable <i>f</i> 13mm	0.28	3.36 ^D
14		<i>f</i> .....	.....	for Handrail Cable <i>f</i> 26 or 32mm	.....	.....^D
15		<i>f</i> .....	.....	for Walkway Cable <i>f</i> 26 or 32mm	.....	.....^D
16		1	Binding wire	1.00	1.00	
A = kg.			B = kg.		g = 13.20 kg.	
Total transportation Weight B+C+D+R+ 1.22 kg.			Total Structural Steel = (u+g)		Steel to be galvanized	.....
C = 0.32 kg Nuts, Bolts, Washers			D = kg Bulldog Grips		R = kg Reinforcement Steel	



Part 1: Handrail Cable Saddle

Part 2: Walkway Cable Saddle

Transportation Weight of welded parts :

- Part No. 1 = 3.10 kg
- Part No. 2 = 3.60 kg

All Structural steel must comply with :

- IS 226 - 1975 for structural steel.
- IS 800-1984 for general construction in steel.

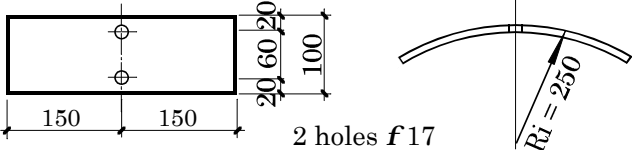
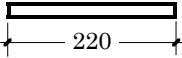
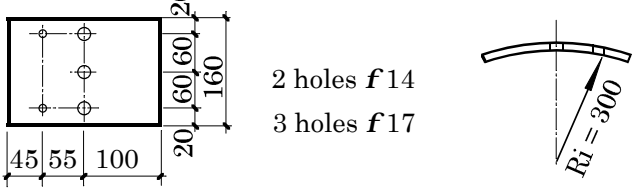
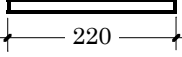
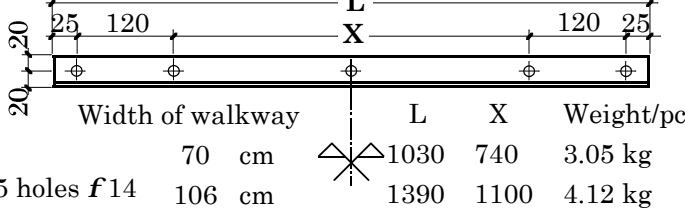
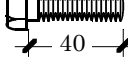
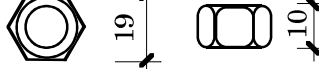

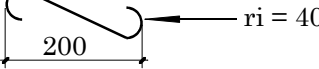
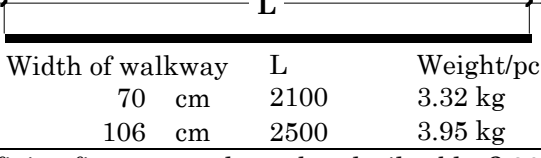
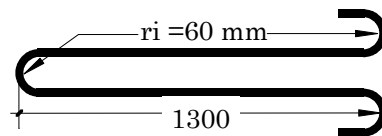
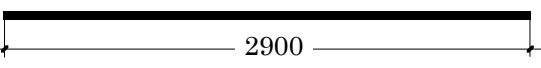
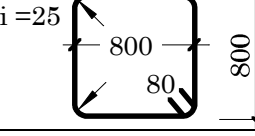
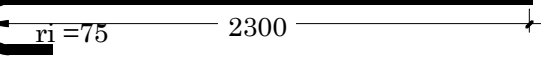
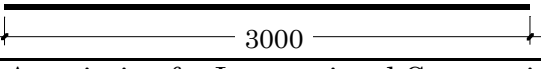
Related Construction Drawings are :

- 20Dcon70 or 20Dcon106
- 27Dcon - 35Dcon
- 28Dcon - 43Dcon
- 29Dcon - 44Dcon
- 30Dcon - 45Dcon
- 31Dcon - 46Dcon
- 32Dcon - 47Dcon
- 33Dcon - 48Dcon
- 34Dcon - 49Dcon

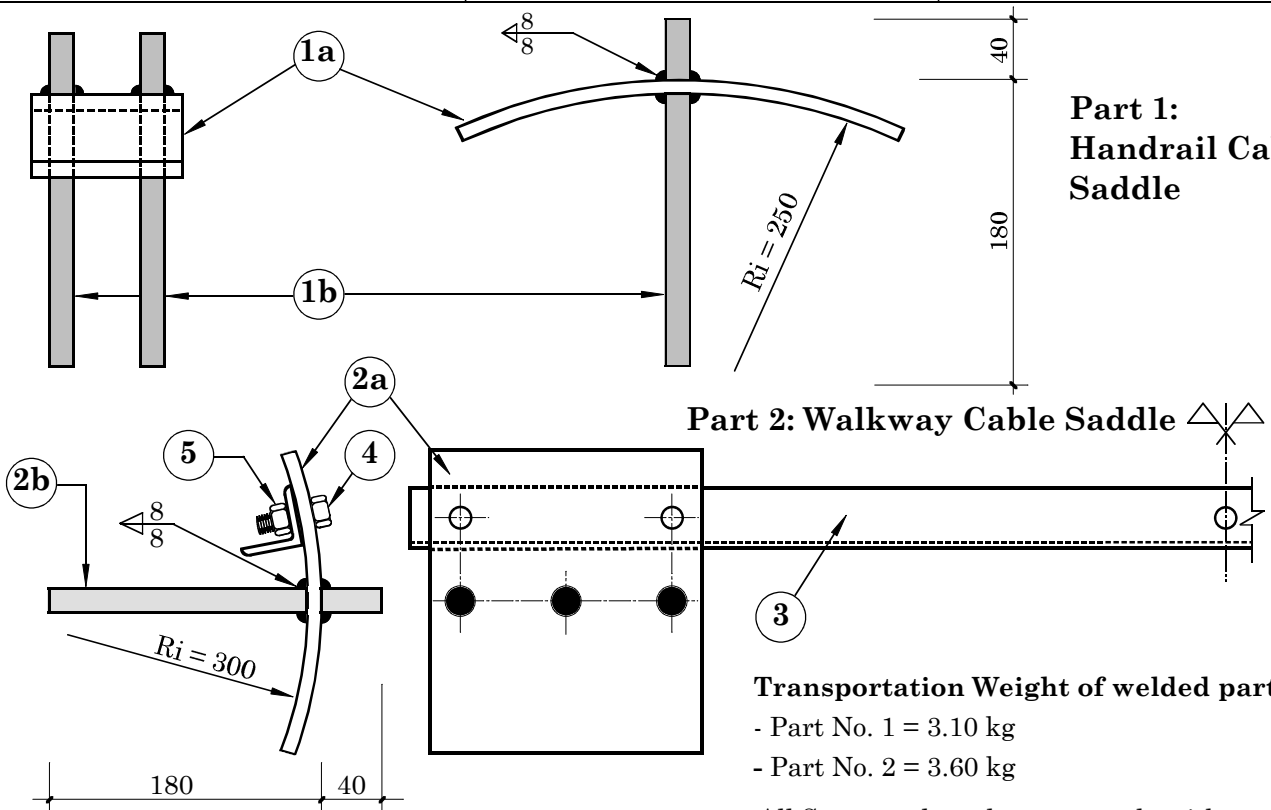
The following steelparts must be hot dip galvanized acc. to IS 2629 & 2633, min thickness = 80 µ m
Part No. 1 & 2
All Nuts & Bolts must conform to IS 1363 and are galvanized acc. to IS 1367, Part XIII

Cable <i>f</i> mm	Bulldog Grips for four cables	Weight.	
		(kg/pc)	Total kg
26	20	1.10	22.00
32	24	1.30	31.20

HMG / Ministry of Local Development
DoLIDAR / Short Span Trail Bridge Standard
Bridge Name: _____
No: _____ Bank: _____ Span: _____
Steel Drawing:
Saddles & Reinforcement for RCC Deadman & Gravity Soil Anchor for 4 Walkway Cables
Walkway Width : _____ cm
Set for one Foundation
Nos of Foundation required, 1 or 2 : _____
Date : Nov. 05, 2001
Drawing No. 20D4

Part No.		Section [mm]	Quantity [nos]	Working Drawing	Weight	
					Kg/pc	total Kg
1	a	Plate 100/300/10	2		2.35 <i>galvanized</i>	4.70 ^g
	b	Ri-Bar <i>f</i> 16 l = 220	4		0.35 <i>galvanized</i>	1.40 ^g
2	a	Plate 160/200/10	2		2.50 <i>galvanized</i>	5.00 ^g
	b	Ri-Bar <i>f</i> 16 l = 220	6		0.35 <i>galvanized</i>	2.10 ^g
3		Angle (spacer) 40/40/5 l =	1		..... <i>untreated</i>	.....^U
4		Hex bolt M12 - 40	4		0.065 <i>galvanized</i>	0.26 ^c
5		Hex nut M12	4		0.015 <i>galvanized</i>	0.06 ^c
6		Ri-Bar <i>f</i> 16 l = 1650	4		2.61 <i>galvanized</i>	10.44 ^R
7		Ri-Bar <i>f</i> 6 l = 320	10		0.07 <i>galvanized</i>	0.70 ^R
8		Ri - Bar <i>f</i> 16 l =	2		..... <i>galvanized</i>	.....^R
9		Bulldog Grip <i>f</i>	2	for fixing first suspender at handrail cable <i>f</i> 26 or 32 MS forged, according to ISI standard, hot dip galvanized	..... <i>galvanized</i>	.....^D
10		Plain Rod <i>f</i> 20 l = 3100	4*		7.66 <i>galvanized</i>	.....^R
11		Ri-Bar <i>f</i> 20 l = 2900	8		7.16 <i>galvanized</i>	57.28 ^R
12		Ri - Bar <i>f</i> 12 l = 3350	11		2.98 <i>galvanized</i>	32.78 ^R
13		Ri-Bar <i>f</i> 25 l = 2550	36		9.83 <i>galvanized</i>	353.88 ^R
14		Ri-Bar <i>f</i> 10 l = 3000	15		1.85 <i>galvanized</i>	27.75 ^R

Part No.		Section [mm]	Quantity [nos]	Working Drawing	Weight	
					Kg/pc	total Kg
15	Bulldog Grips MS forged ISI standard	<i>f</i> 13	12	for fixing & joining Fixation Cable <i>f</i> 13mm	0.28 <i>galvanized</i>	3.36 ^D
16		<i>f</i> ....	.....	for Handrail Cable <i>f</i> 26 or 32mm	..... <i>galvanized</i>	.....^D
17		<i>f</i> ....	.....	for Walkway Cable <i>f</i> 26 or 32mm	..... <i>galvanized</i>	.....^D
18				Binding wire	1.00 <i>galvanized</i>	1.00
A = kg.		B = kg.		g = 13.20 kg.		.....
Total transportation Weight B+C+D+R+ 1.22 kg.		Total Structural Steel = (u+g)		Steel to be galvanized		.....
C = 0.32 kg Nuts, Bolts, Washers		D = kg Bulldog Grips		R = kg Reinforcement Steel		.....



Transportation Weight of welded parts :
- Part No. 1 = 3.10 kg
- Part No. 2 = 3.60 kg

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

Related Construction Drawings are :
- 20Dcon70 or 20Dcon106 & 67D con

The following steelparts must be
hot dip galvanized
acc. to IS 2629 & 2633,
min thickness = 80 µ m

Part No. 1 & 2
All Nuts & Bolts must conform to
IS 1363 and are galvanized
acc. to IS 1367, Part XIII

Cable <i>f</i> mm	Bulldog Grips for four cables	Weight.	
		(kg/pc)	Total kg
26	20	1.10	22.00
32	24	1.30	31.20

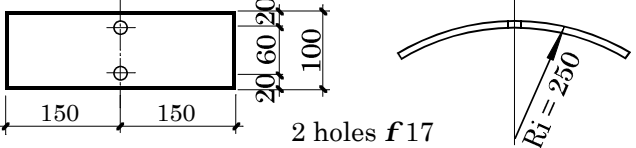
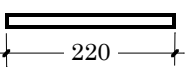
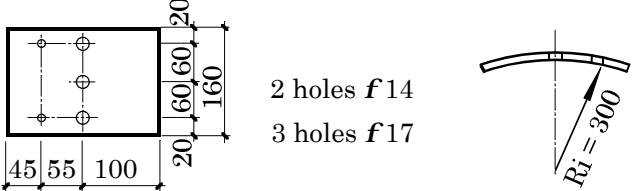
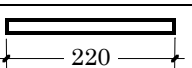
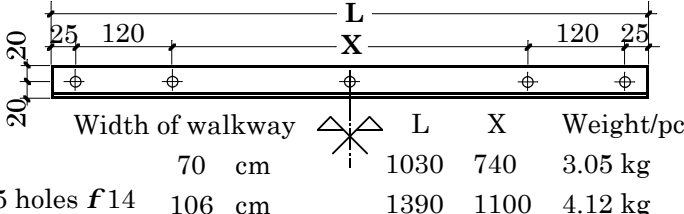

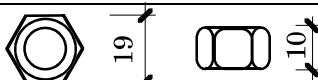
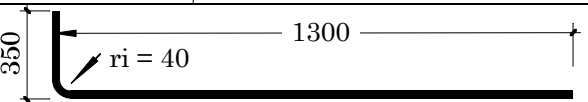
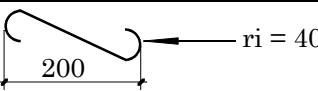
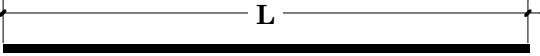
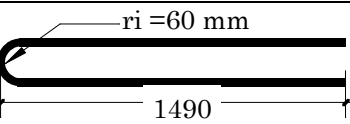
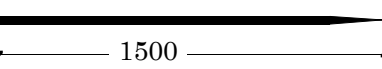
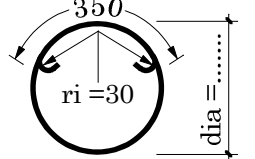
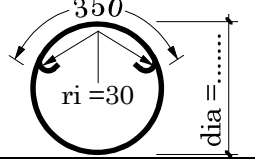
HMG / Ministry of Local Development
DoLIDAR / Short Span Trail Bridge Standard

Bridge Name: _____
No: _____ Bank: _____ Span: _____

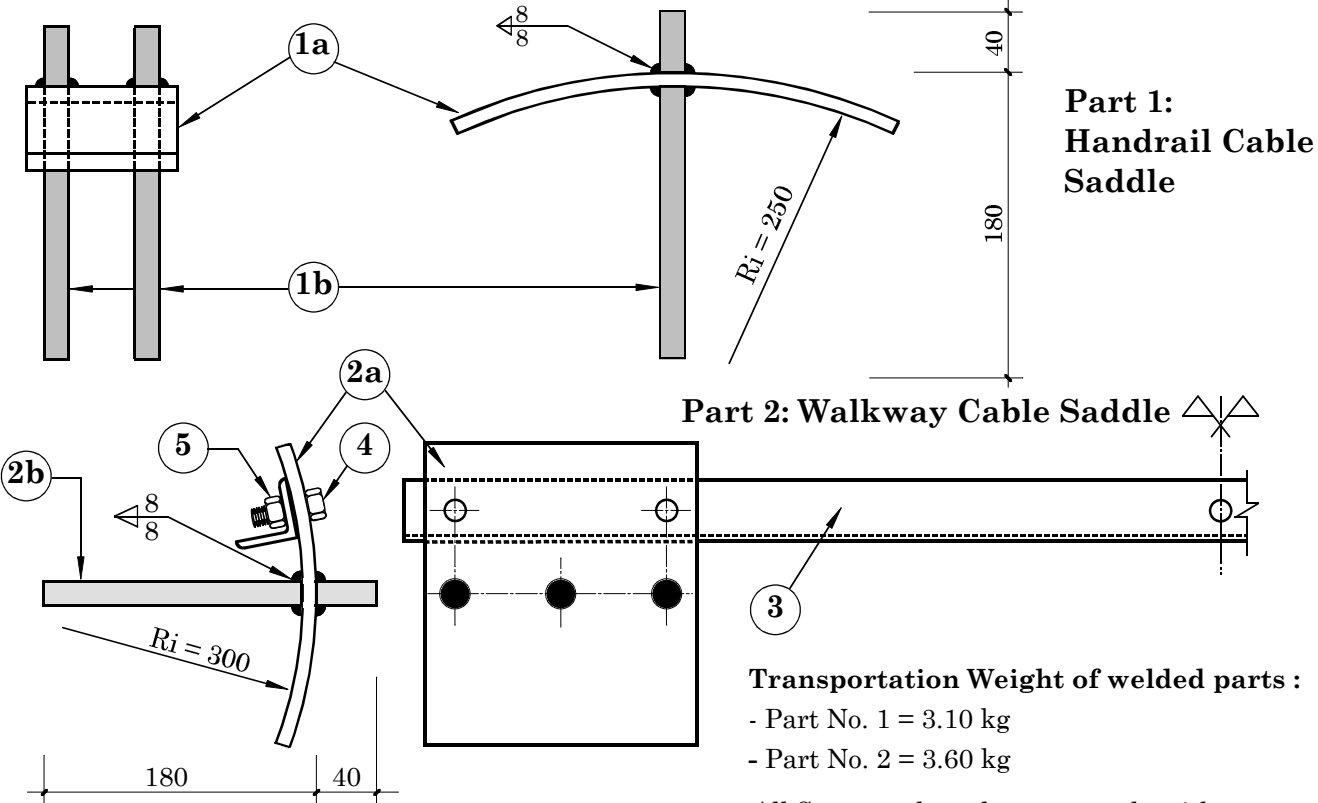
Steel Drawing:
**Saddles & Reinforcement for RCC
Deadman Anchor in Fractured Rock
for 4 Walkway Cables**
Walkway Width : _____ cm

Set for one Foundation
Nos of Foundation required, 1 or 2 : _____

Date : Nov. 05, 2001 Drawing No. 20D4S

Part No.		Section [mm]	Quantity [nos]	Working Drawing	Weight	
					Kg/pc	total Kg
1	a	Plate 100/300/10	2		2.35 <i>galvanized</i>	4.70 ^g
	b	Ri-Bar <i>f</i> 16 l = 220	4		0.35 <i>galvanized</i>	1.40 ^g
2	a	Plate 160/200/10	2		2.50 <i>galvanized</i>	5.00 ^g
	b	Ri-Bar <i>f</i> 16 l = 220	6		0.35 <i>galvanized</i>	2.10 ^g
3		Angle (spacer) 40/40/5 l =.....	1	 Width of walkway 70 cm 106 cm L 1030 1390 X 740 1100 Weight/pc 3.05 kg 4.12 kg 5 holes <i>f</i> 14	..... <i>untreated</i>	.....^u
4		Hex bolt M12 - 40	4		0.065 <i>galvanized</i>	0.26 ^c
5		Hex nut M12	4		0.015 <i>galvanized</i>	0.06 ^c
6		Ri-Bar <i>f</i> 16 l = 1650	4		2.61	10.44 ^R
7		Ri-Bar <i>f</i> 6 l = 320	10		0.07	0.70 ^R
8		Ri - Bar <i>f</i> 16 l =	2	 Width of walkway 70 cm 106 cm L 2100 2500 Weight/pc 3.32 kg 3.95 kg	.....	.....^R
9		Bulldog Grip <i>f</i>	2	for fixing first suspender at handrail cable <i>f</i> 26 or 32 MS forged, according to ISI standard, hot dip galvanized	.....	.....^D
10		Plain Rod <i>f</i> 20 l = 3200	.....		7.90	.....^R
11		Ri-Bar <i>f</i> 25 l = 1500	.....		5.78	.....^R
12		Ri - Bar <i>f</i> 10 l = .....	.....		.....	.....^R
13		Ri - Bar <i>f</i> 10 l = .....	.....		.....	.....^R

Part No.	Section [mm]	Quantity [nos]	Working Drawing		Weight	
					Kg/pc	total Kg
14	Bulldog Grips MS forged ISI standard	<i>f</i> 13	12	for fixing & joining Fixation Cable <i>f</i> 13mm	0.28	1.40 ^D
15		<i>f</i> .....	.....	for Handrail Cable <i>f</i> 26 or 32mm	.....	.....^D
16		<i>f</i> .....	.....	for Walkway Cable <i>f</i> 26 or 32mm	.....	.....^D
A = kg. Total transportation Weight B+C+D+R+ 0.22 kg.			B = kg. Total Structural Steel = (u+g)		g = 13.20 kg. Steel to be galvanized	
C = 0.32 kg Nuts, Bolts, Washers			D = kg Bulldog Grips		R = kg Reinforcement Steel	



Related Construction Drawings are :
- 20Dcon70 or 20Dcon106
- 62Dcon
- 64Dcon

The following steelparts must be hot dip galvanized acc. to IS 2629 & 2633, min thickness = 80 µ m

Part No. 1 & 2
All Nuts & Bolts must conform to IS 1363 and are galvanized acc. to IS 1367, Part XIII

Cable <i>f</i> mm	Bulldog Grips for four cables	Weight.	
		(kg/pc)	Total kg
26	20	1.10	22.00
32	24	1.30	31.20

Transportation Weight of welded parts :
- Part No. 1 = 3.10 kg
- Part No. 2 = 3.60 kg

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

HMG / Ministry of Local Development DoLIDAR / Short Span Trail Bridge Standard		
Bridge Name:	No:	Bank: Span:
Steel Drawing: Saddles & Reinforcement for Drum Rock Anchor for 4 Walkway Cables Walkway Width : <input type="text"/> cm		
Set for one Foundation Nos of Foundation required, 1 or 2 : <input type="text"/>		
Date : Nov. 05, 2001		Drawing No. 60D4