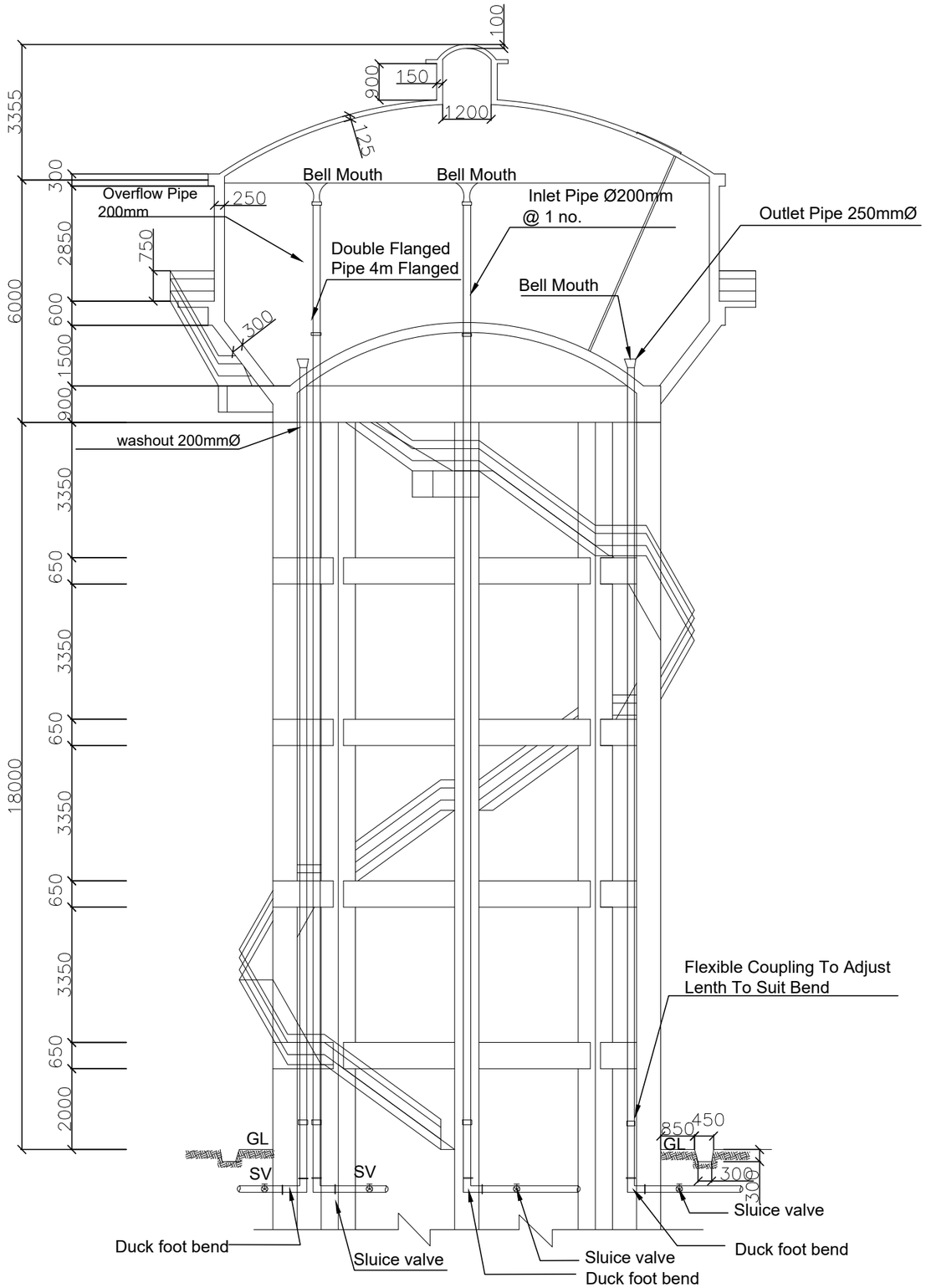
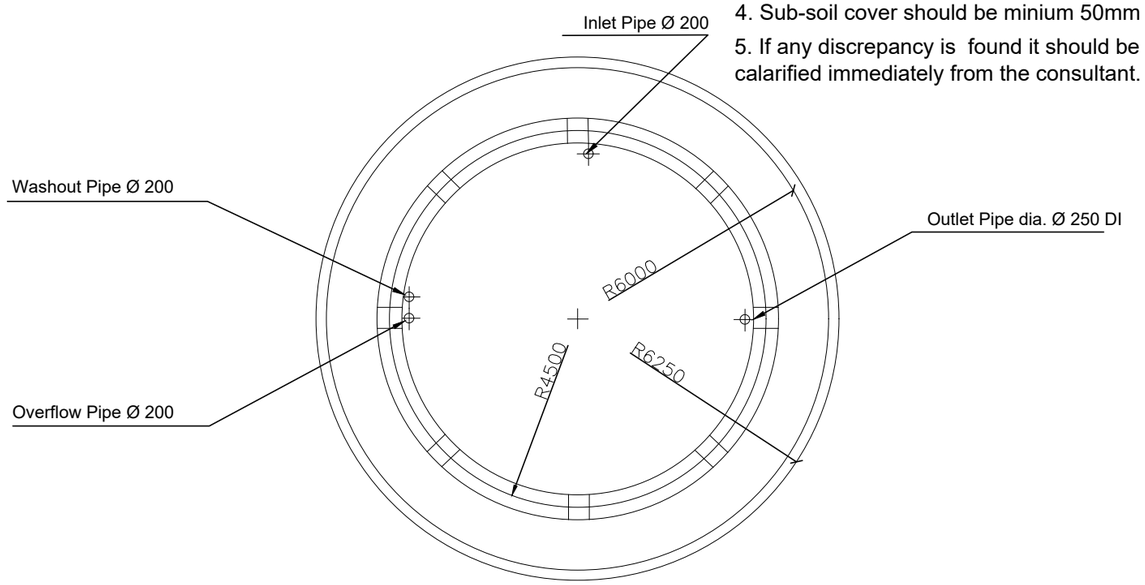


OHT INLET OUTLET PIPE DETAILS

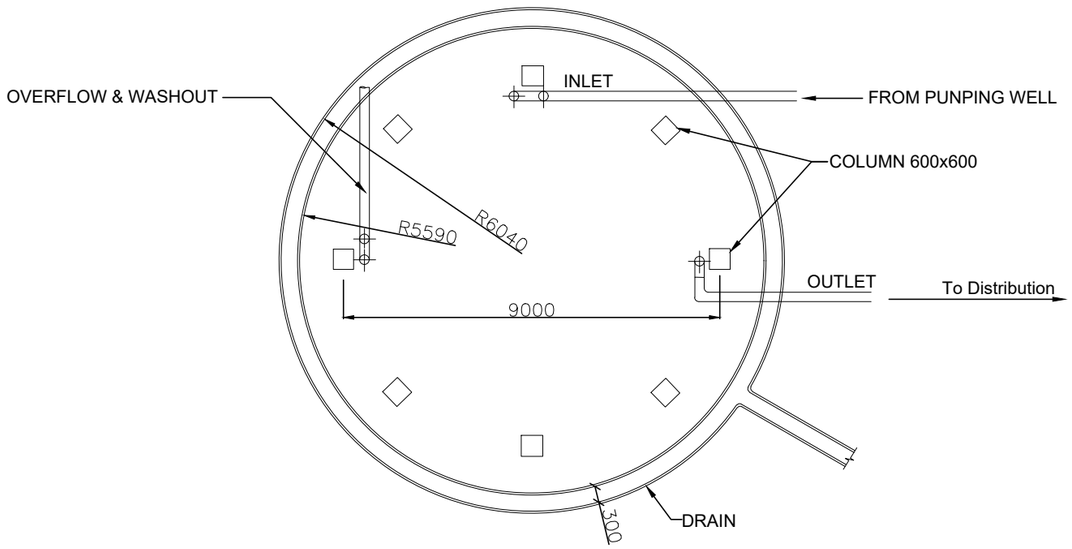
scale 1:50

NOTE:

1. Concrete mix. used in as per estimation
2. Rebars used are TMT Fe415
3. Cover should be 25mm according to IS456:2000
4. Sub-soil cover should be minium 50mm
5. If any discrepancy is found it should be calarified immediately from the consultant.



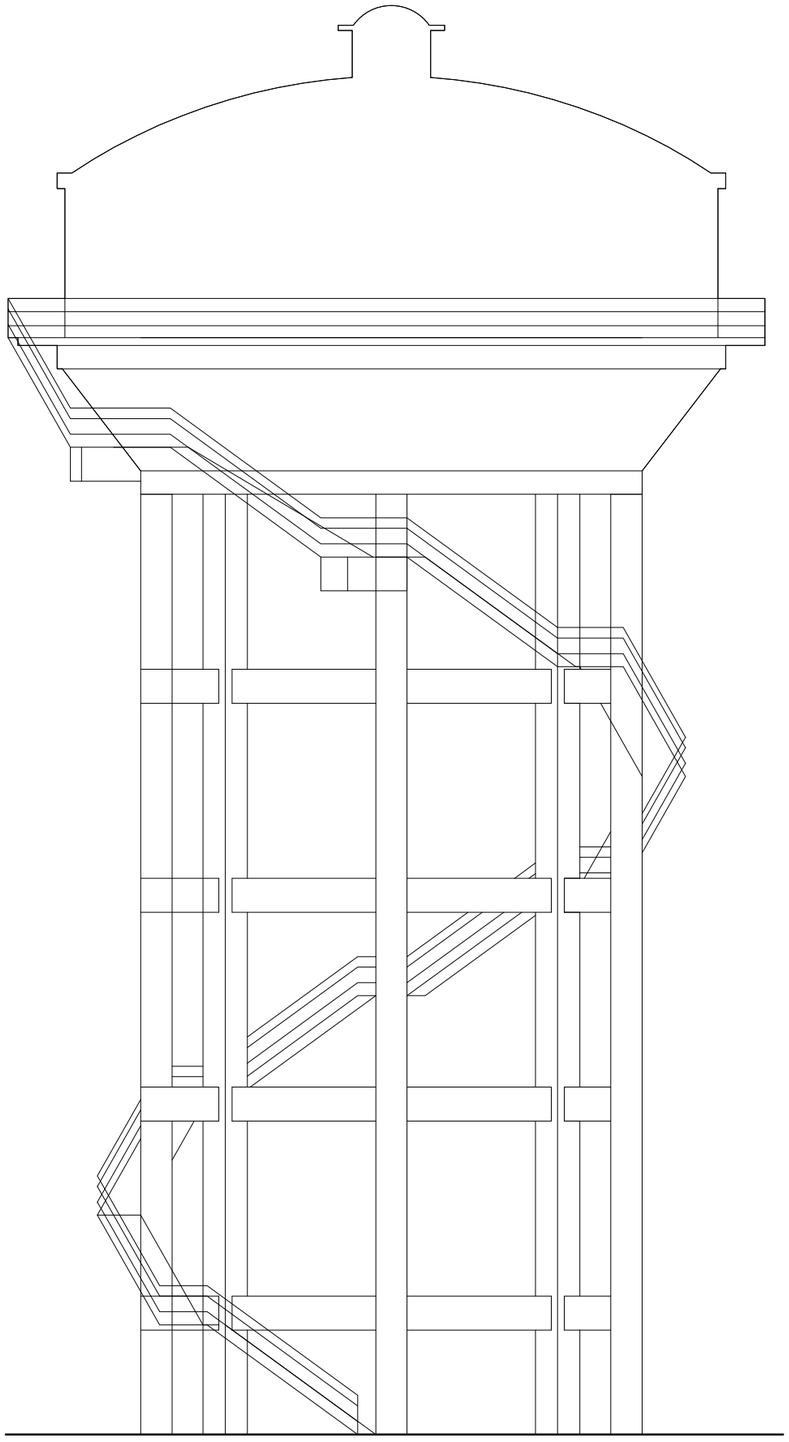
SECTION C-C



PLAN AT GROUND LEVEL

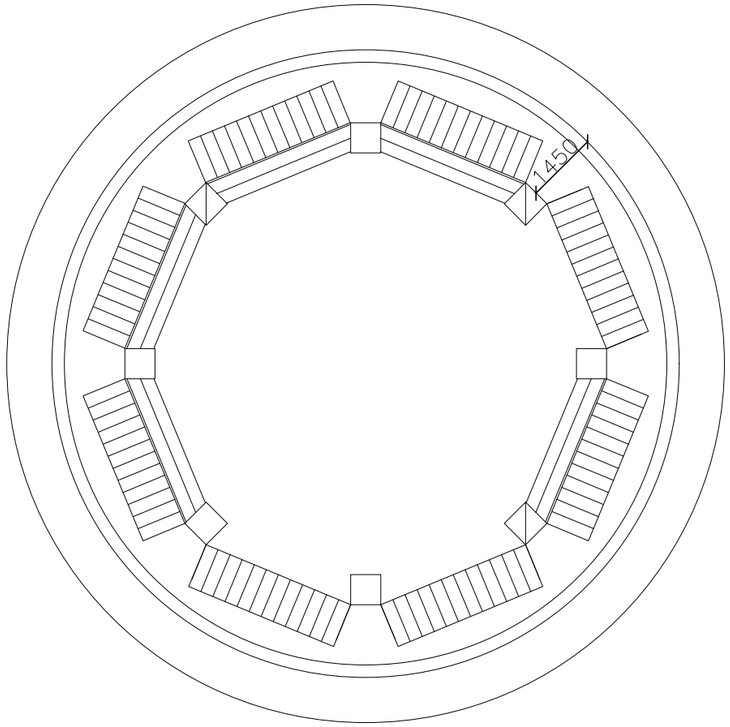
SCALE 1:150

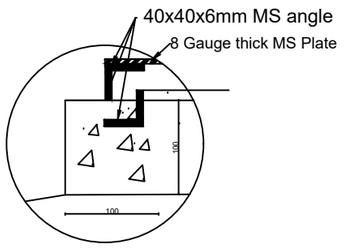
CLIENT:	NAME OF PROJECT:	TITLE:				SCALE:	CONSULTANT:	DWG. NO:
Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	**Updating of Design and Pipeline Networks of Sukkhad Darakh Water Supply Project, Kailali**	DETAIL OF OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	Civilink Consult PVT. LTD	4-1

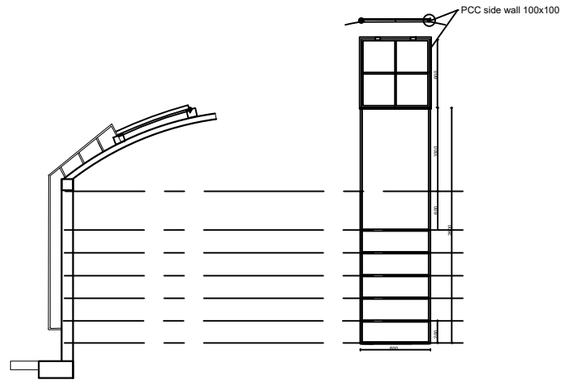


FRONT ELEVATION

scale 1:120

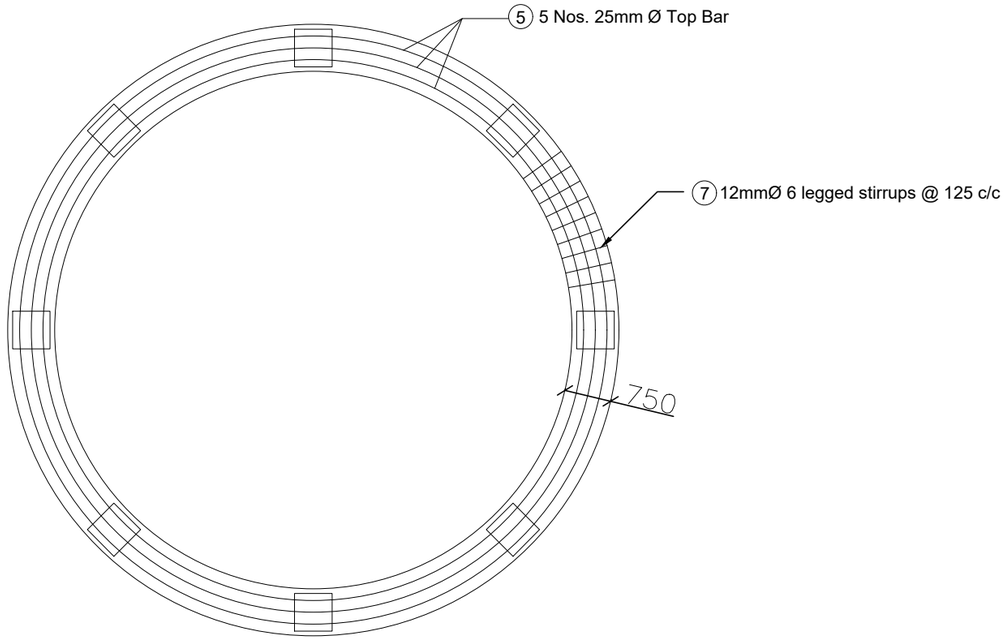






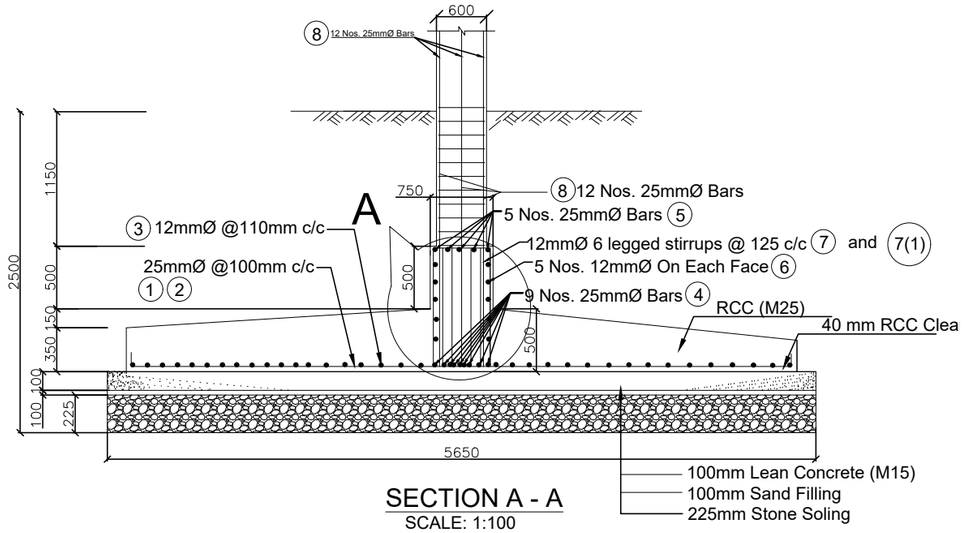
GI/ MS-PIPE OUTER LADDERS & MS-MANHOLE COVER DETAILS

CLIENT:	NAME OF PROJECT:	TITLE:				SCALE:	CONSULTANT:	DWG. NO:
Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	DETAIL OF OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	CIVILINK CONSULT PVT LTD	4-2



FOUNDATION BEAM REINFORCEMENT PLAN

scale 1:100

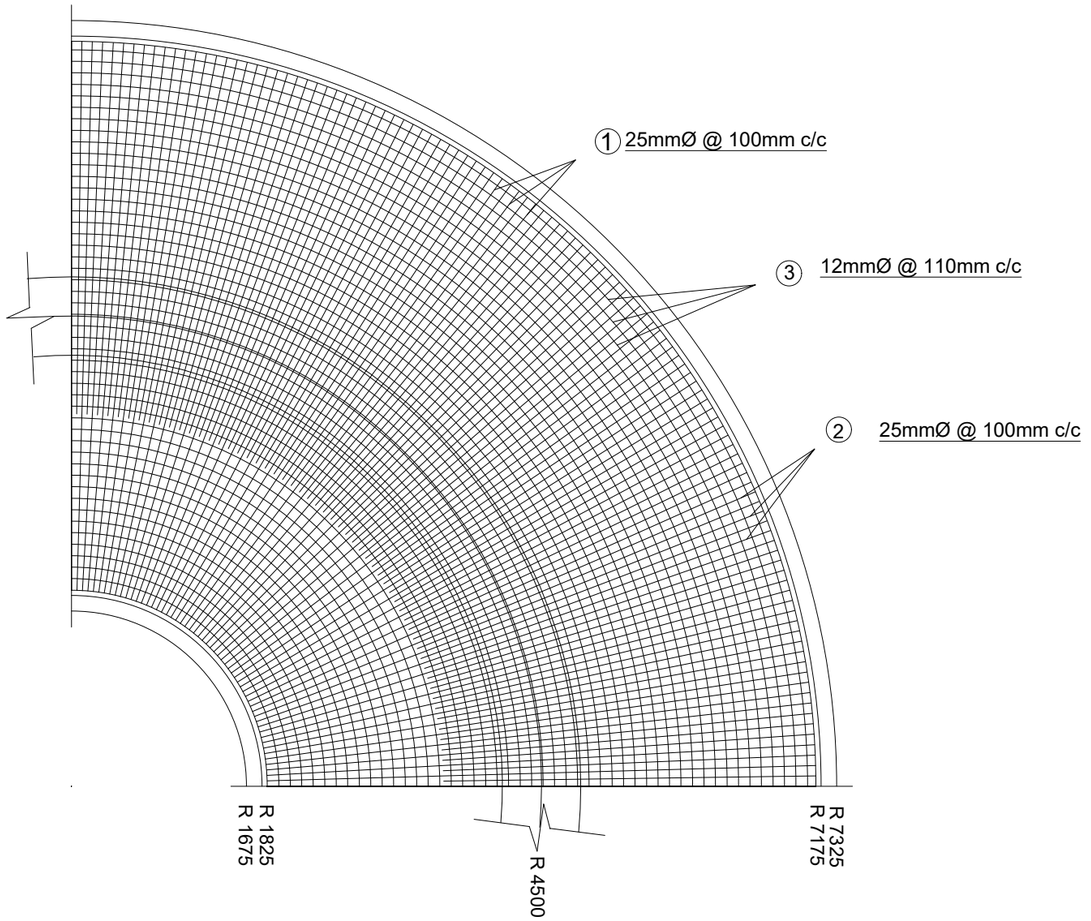


SECTION A - A

SCALE: 1:100

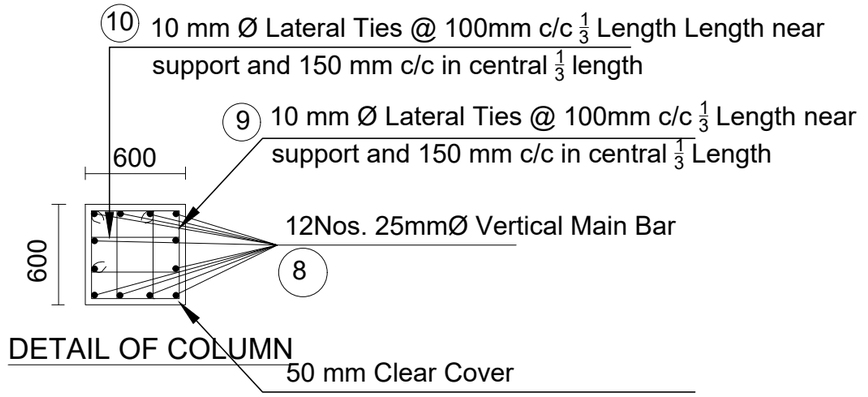
NOTE:

1. Concrete mix. used in as per estimation
2. Rebars used are TMT Fe415
3. Cover should be 25mm according to IS456:2000
4. Sub-soil cover should be minium 50mm
5. If any discrepancy is found it should be calarified immediately from the consultant.

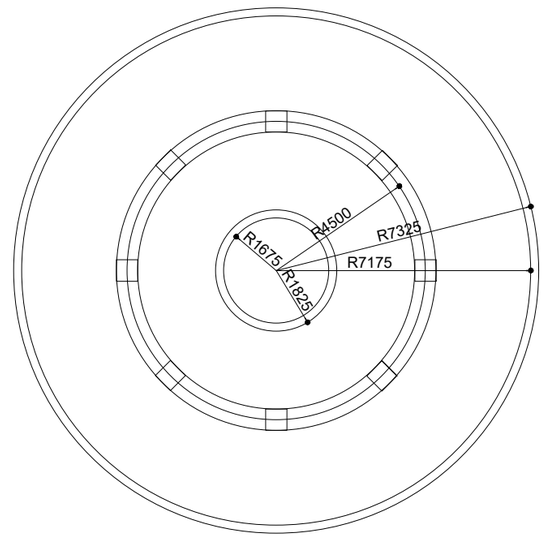


RAFT REINFORCEMENT PLAN

scale 1:50

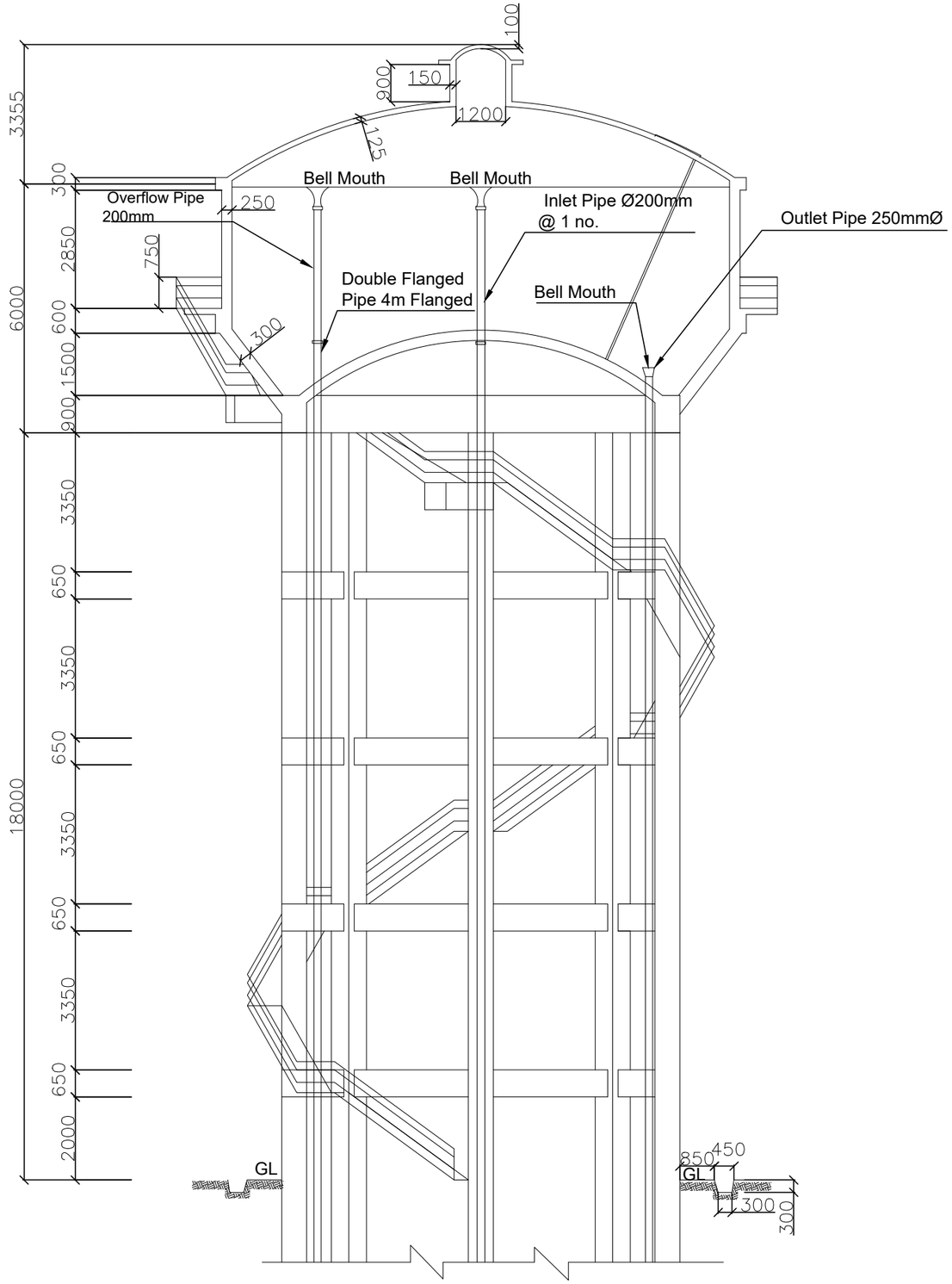


DETAIL OF COLUMN



FOUNDATION PLAN

CLIENT:	NAME OF PROJECT:	TITLE:				SCALE:	CONSULTANT:	DWG. NO:
Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	DETAIL OF OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	CIVILINK CONSULT PVT LTD	4-3

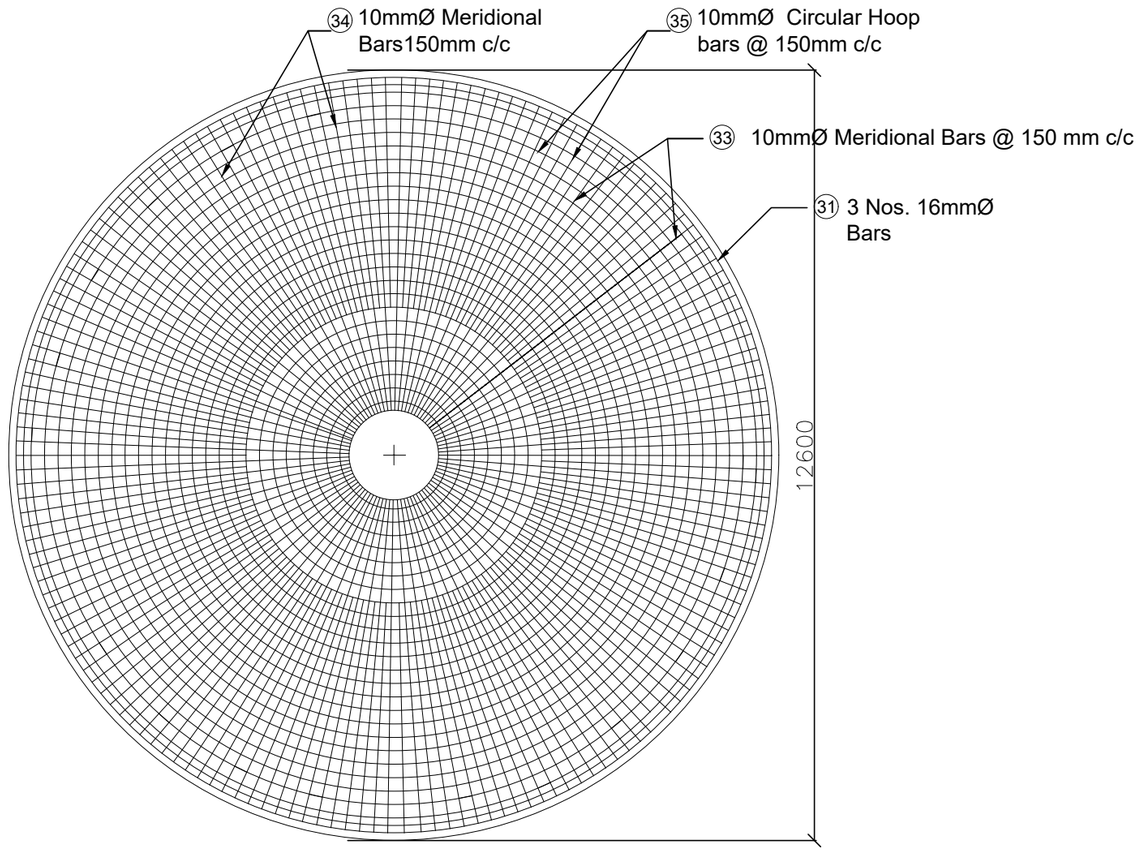


HALF SECTIONAL ELEVATION

scale 1:50

NOTE:

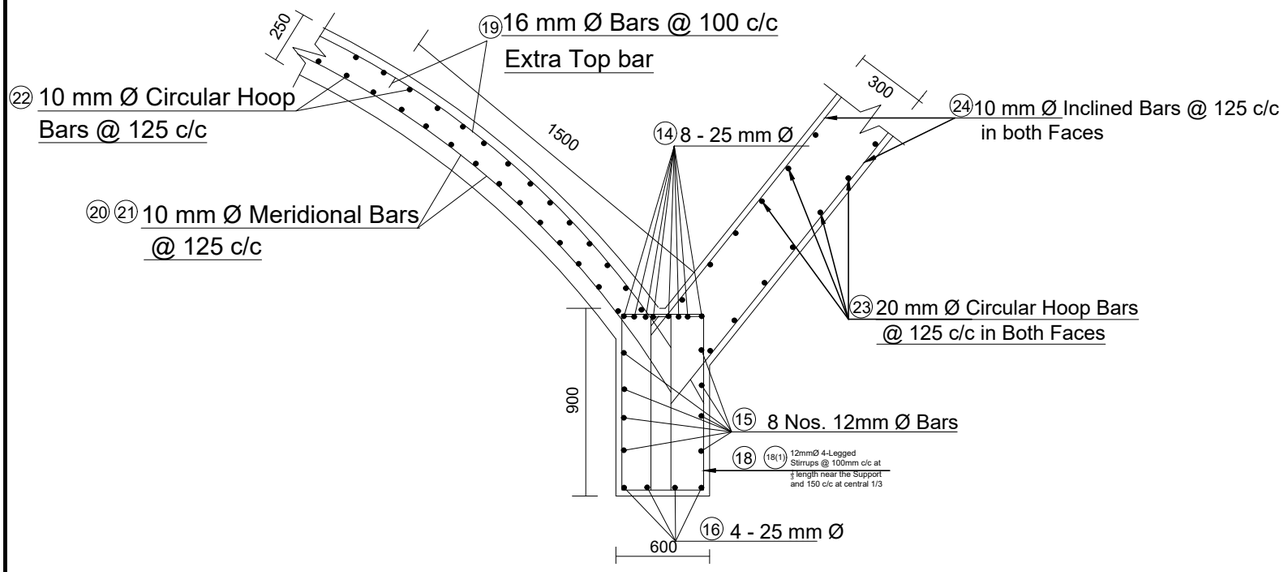
1. Concrete mix. used in as per estimation
2. Rebars used are TMT Fe415
3. Cover should be 25mm according to IS456:2000
4. Sub-soil cover should be minium 50mm
5. If any discrepancy is found it should be calarified immediately from the consultant.



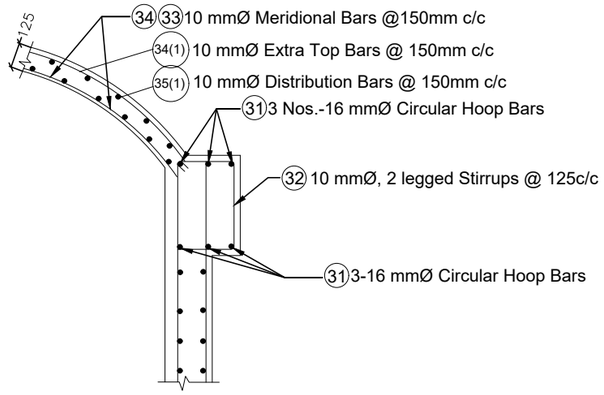
TOP DOME PLAN

scale 1:100

CLIENT:	NAME OF PROJECT:	TITLE:				SCALE:	CONSULTANT:	DWG. NO:
Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	DETAIL OF OVERHEAD TANK 450 CU.M	SURVEYED BY:			As Shown	CIVILINK CONSULT PVT LTD	4-4
			DESIGNED BY:					
			CHECKED BY:					
			APPROVED BY:					



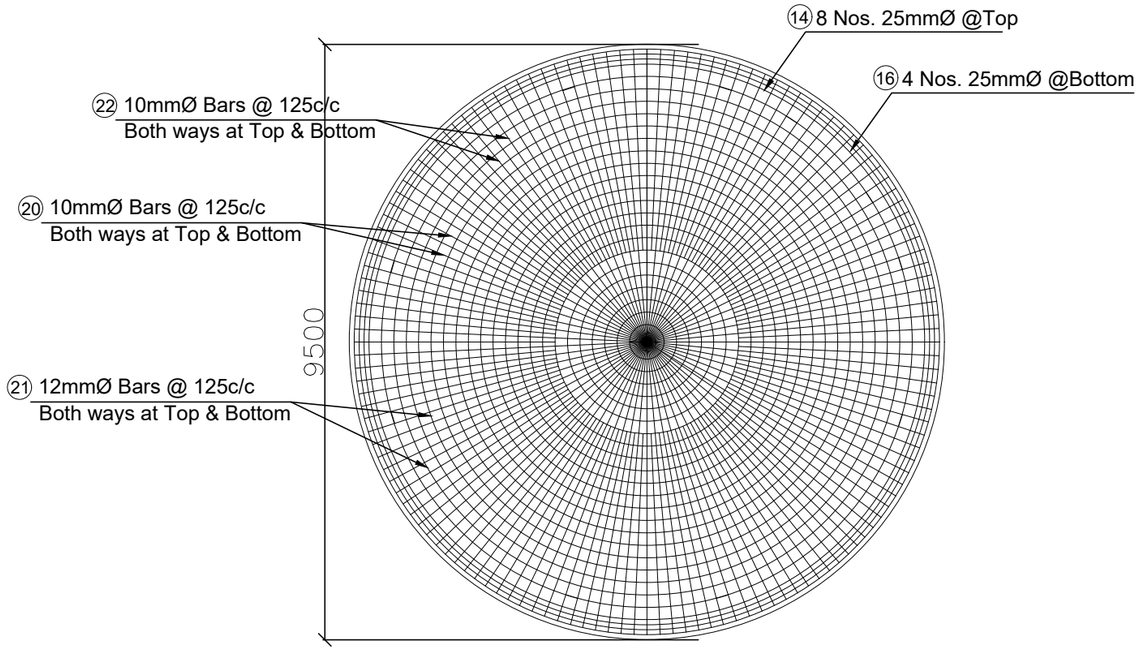
SECTION OF RING GIRDER B4 AT SUPPORT



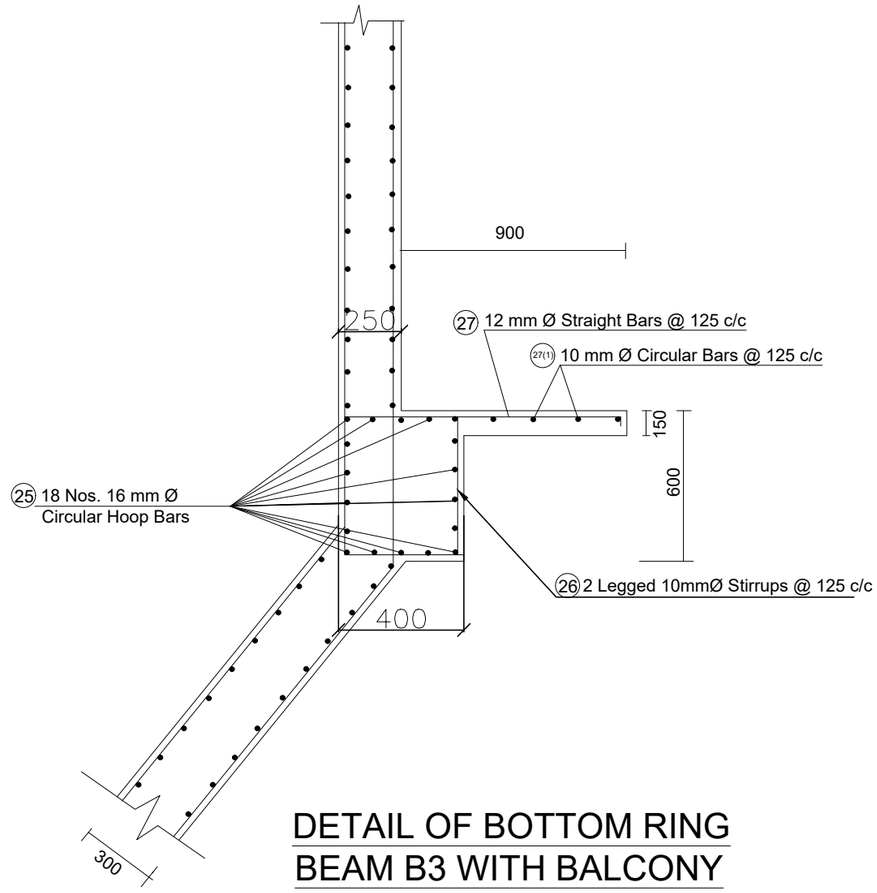
DETAIL OF B2

NOTE:

1. Concrete mix. used in M25
2. Rebars used are TMT Fe415
3. Cover should be 25mm according to IS456:2000
4. Sub-soil cover should be minium 50mm
5. If any discrepancy is found it should be calarified immediately from the consultant.

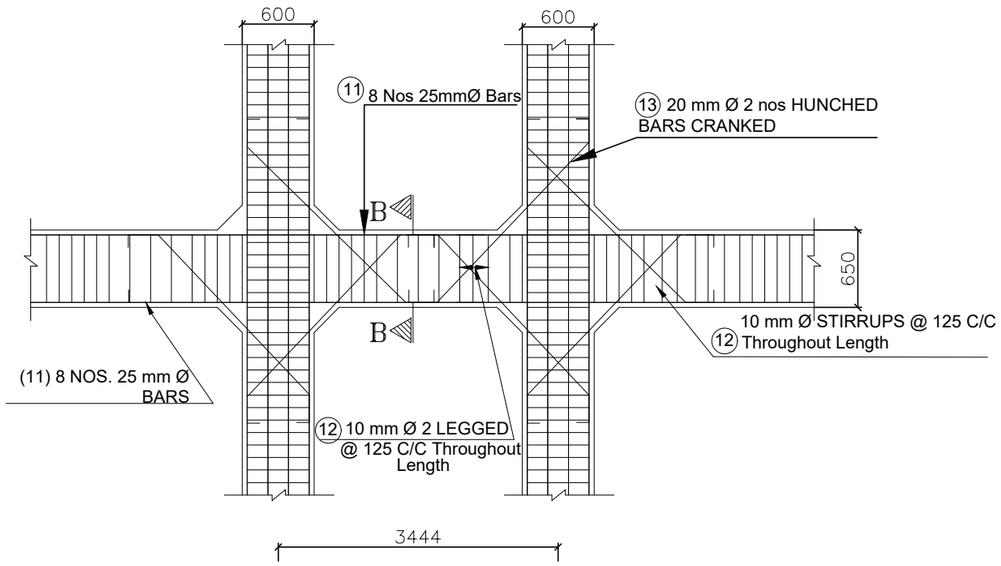


BOTTOM DOME PLAN

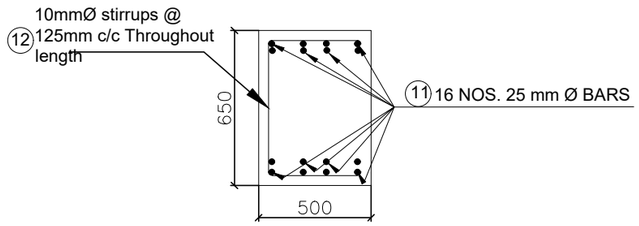


DETAIL OF BOTTOM RING
BEAM B3 WITH BALCONY

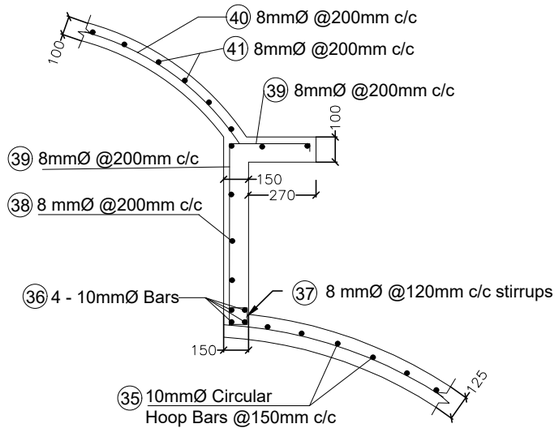
CLIENT:	NAME OF PROJECT:	TITLE:				SCALE:	CONSULTANT:	DWG. NO:
Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	DETAIL OF OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	CIVILINK CONSULT PVT LTD	4-5



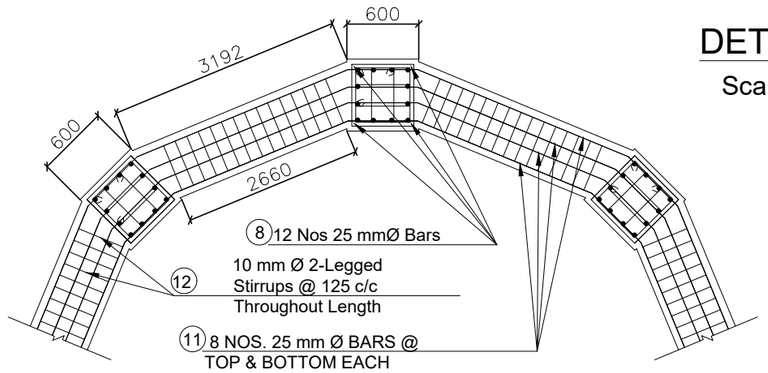
LONGITUDINAL SECTION OF BRACING
SCALE: 1:50



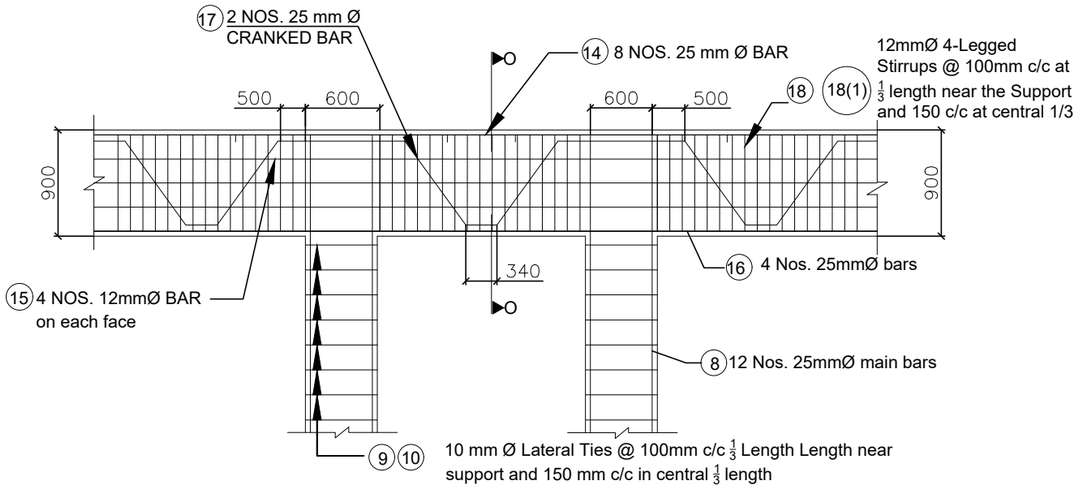
SECTION B-B
SCALE: 1:25



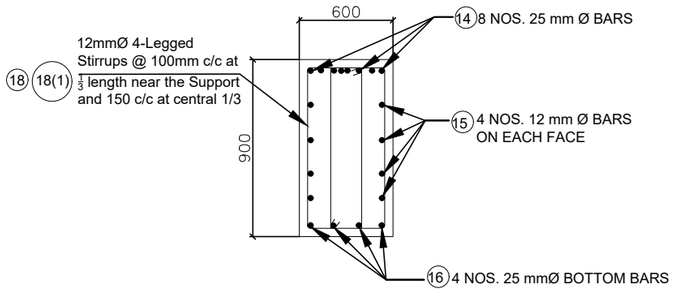
DETAIL OF B1
Scale= 1:100



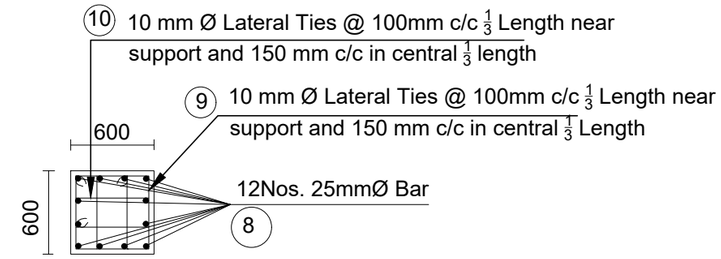
HORIZONTAL LONGITUDINAL SECTION OF BRACING
SCALE: 1:50



LONGITUDINAL SECTION OF TOP RING GIRDER

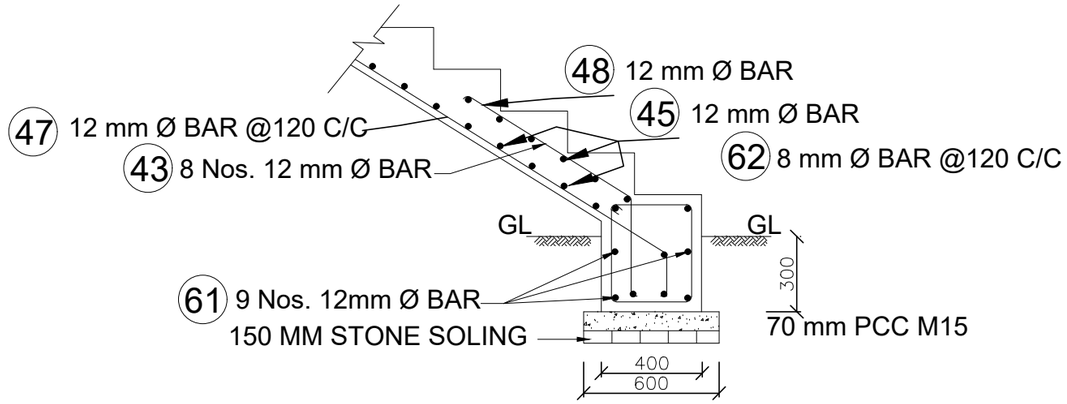


SECTION O-O



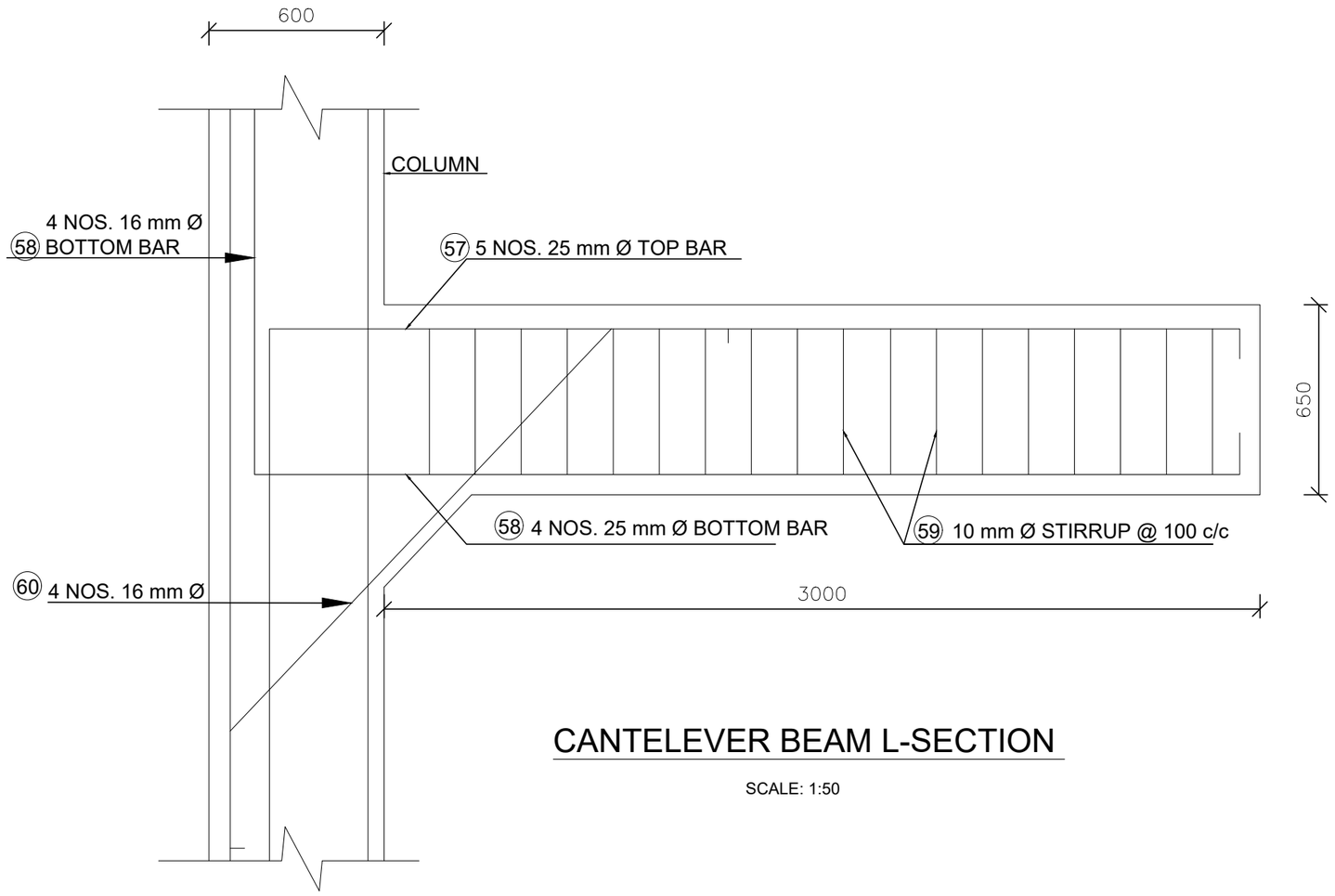
DETAIL OF COLUMN

CLIENT:	NAME OF PROJECT:	TITLE:				SCALE:	CONSULTANT:	DWG. NO:
Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	DETAIL OF OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	CIVILINK CONSULT PVT LTD	4-6



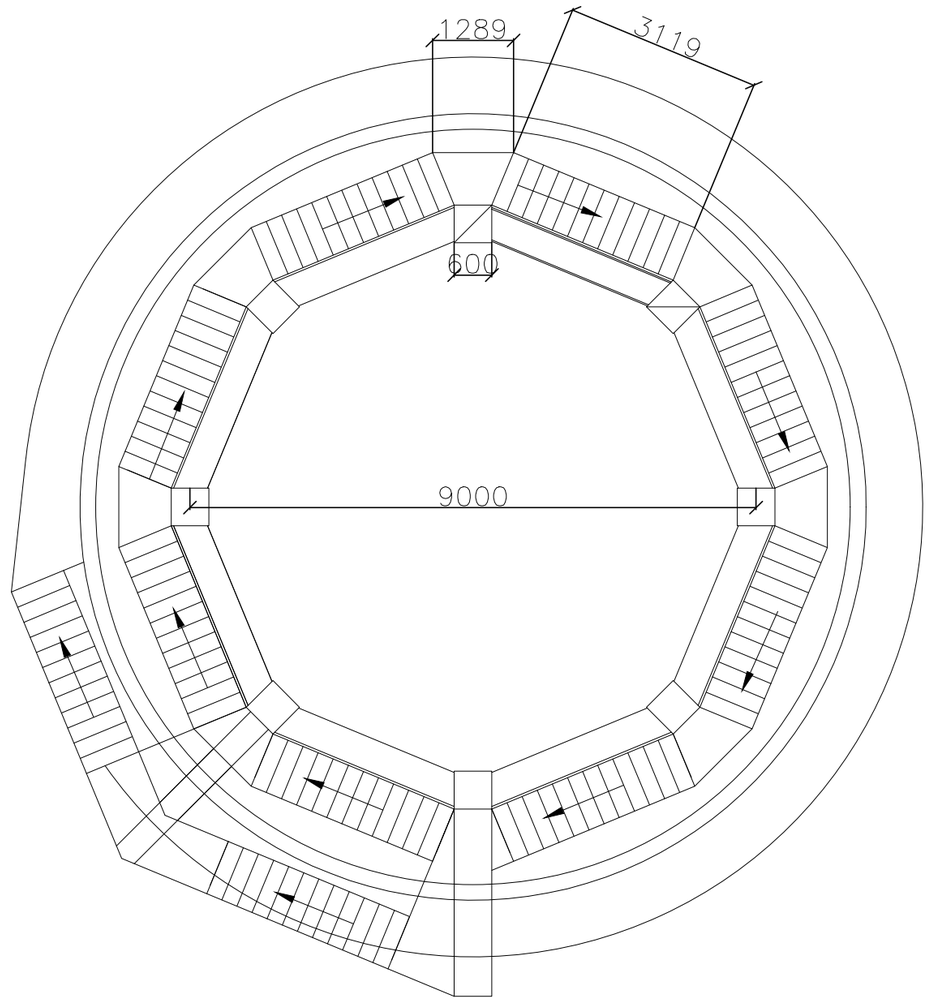
DETAIL OF STAIRCASE FOOTING

SCALE: 1:50



CANTELEVER BEAM L-SECTION

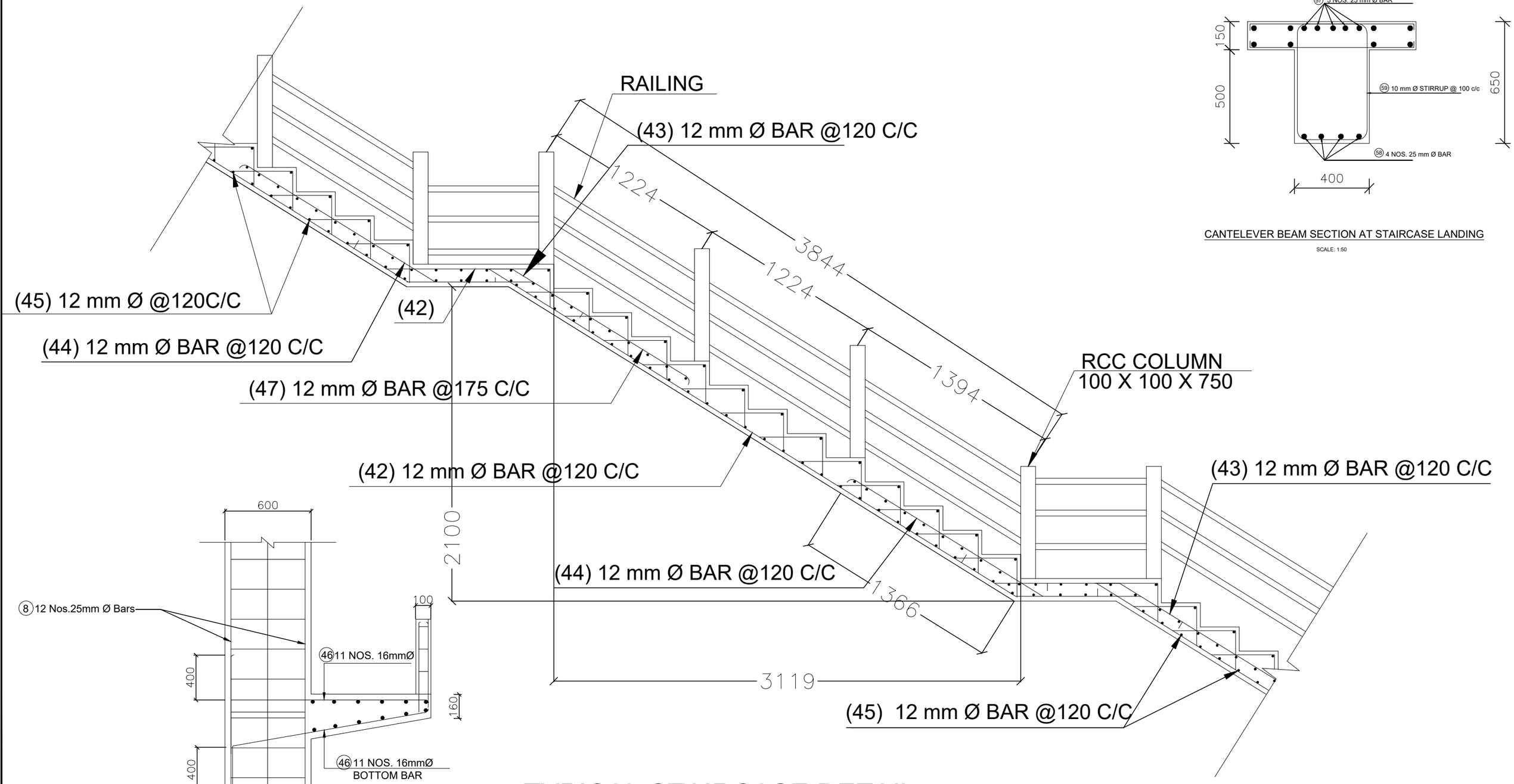
SCALE: 1:50



STAIRCASE PLAN AT 21M LVL

SCALE: 1:200

CLIENT:	NAME OF PROJECT:	TITLE:				SCALE:	CONSULTANT:	DWG. NO:
Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	DETAIL OF OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	CIVILINK CONSULT PVT LTD	4-7



CANTELEVER BEAM SECTION AT STAIRCASE LANDING

SCALE: 1:50

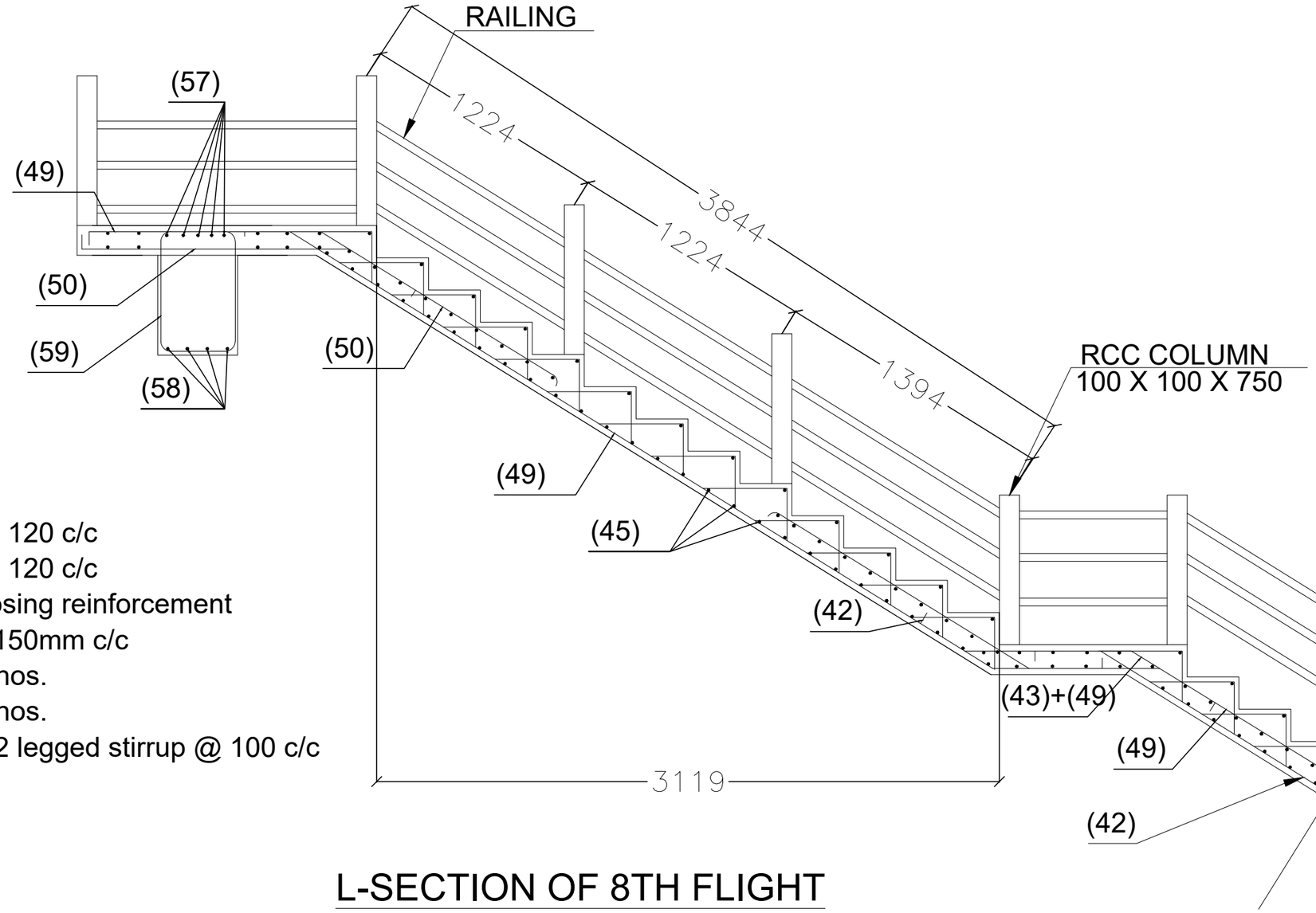
SECTION C-C

SCALE: 1:50

TYPICAL STAIRCASE DETAIL

SCALE: 1:50

CLIENT:	NAME OF PROJECT:	TITLE:				SCALE:	CONSULTANT:	DWG. NO:
Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	DETAIL OF OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	CIVILINK CONSULT PVT LTD	4-8

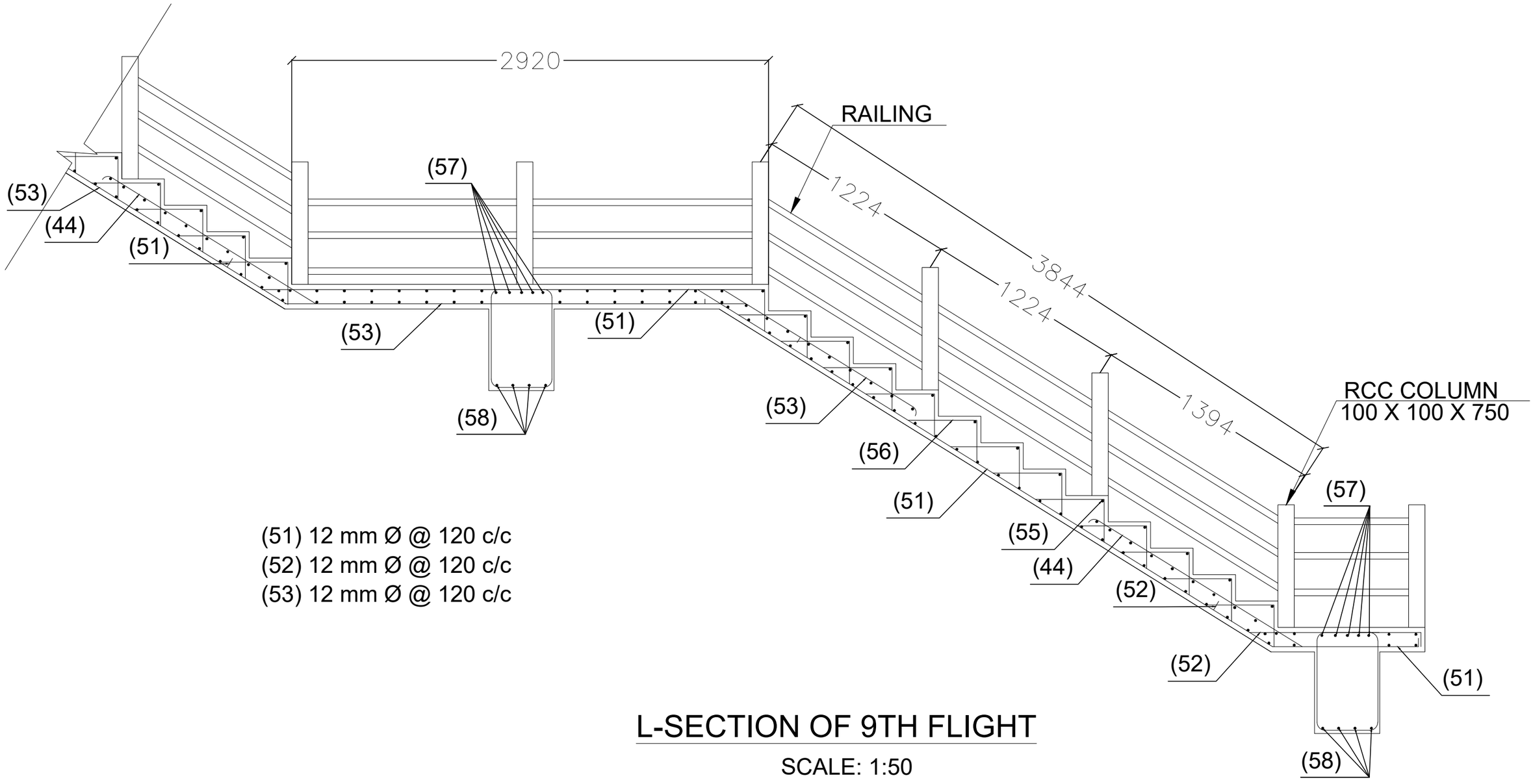


(49) 12 mm Ø @ 120 c/c
(50) 12 mm Ø @ 120 c/c
(55) 12 mm Ø nosing reinforcement
(56) 8 mm Ø @ 150mm c/c
(57) 25 mm Ø 5 nos.
(58) 25 mm Ø 4 nos.
(59) 10 mm @ 12 legged stirrup @ 100 c/c

L-SECTION OF 8TH FLIGHT

SCALE: 1:50

CLIENT:	NAME OF PROJECT:	TITLE:				SCALE:	CONSULTANT:	DWG. NO:
Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	DETAIL OF OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	CIVILINK CONSULT PVT LTD	4-9

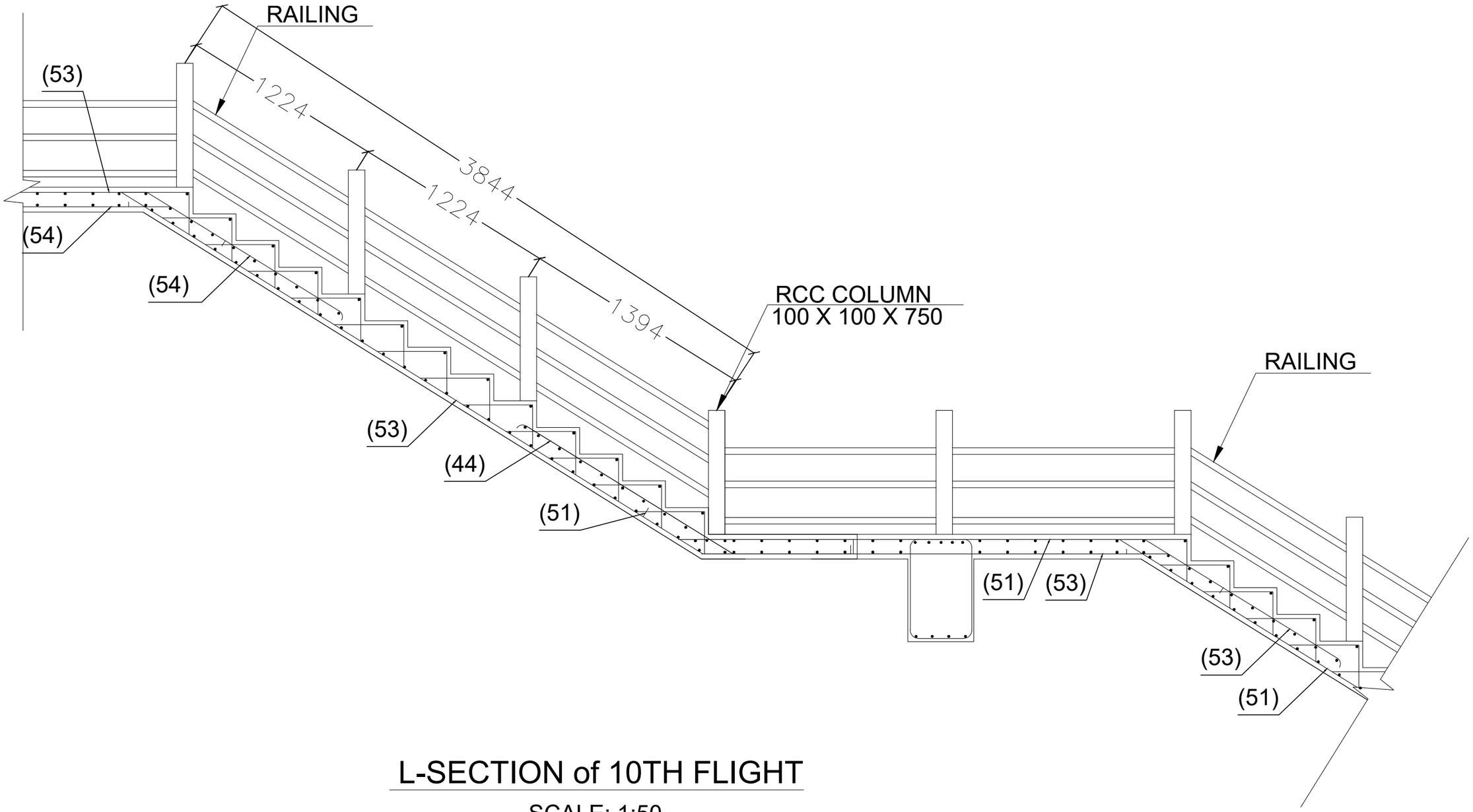


(51) 12 mm Ø @ 120 c/c
(52) 12 mm Ø @ 120 c/c
(53) 12 mm Ø @ 120 c/c

L-SECTION OF 9TH FLIGHT

SCALE: 1:50

CLIENT:	NAME OF PROJECT:	TITLE:				SCALE:	CONSULTANT:	DWG. NO:
Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	DETAIL OF OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	CIVILINK CONSULT PVT LTD	4-10



L-SECTION of 10TH FLIGHT

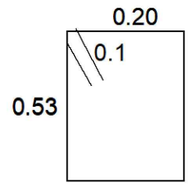
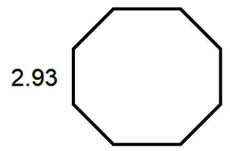
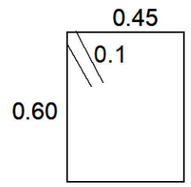
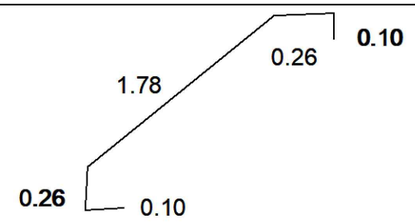
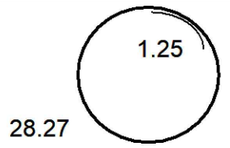
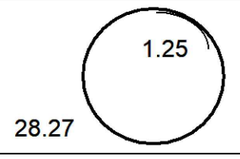
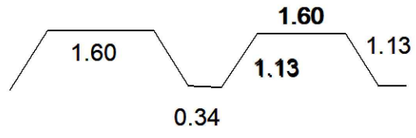
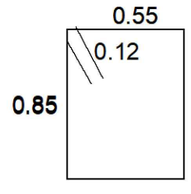
SCALE: 1:50

CLIENT:	NAME OF PROJECT:	TITLE:				SCALE:	CONSULTANT:	DWG. NO:
Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	DETAIL OF OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	CIVILINK CONSULT PVT LTD	4-11

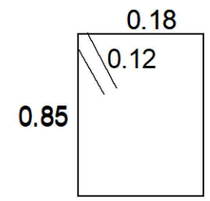
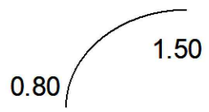
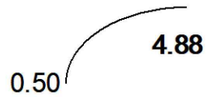
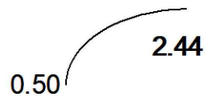
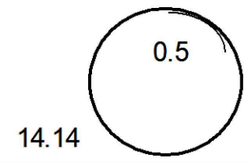
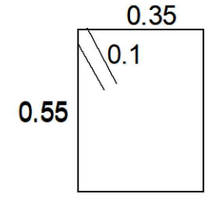
OHT-450

Bar Code	Location of Member	Sketch	Ø (mm)	Number of Bar	No of Member	length of each bar (m)	Total length (m)	Weight kg/m	Total Weight (kg)	Remarks
1	Foundation Raft	0.25 — 5.25 — 0.25	25	230	1	5.75	1322.5	3.85	5091.63	
2	Foundation Raft	3.56 — 0.25	25	230	1	3.81	876.3	3.85	3373.76	
3	Foundation Raft	0.6, Avg. Radius 4.45m, 27.96	12	50	1	28.56	1428	0.89	1270.92	1.775<r<7.125
4	Foundation Raft Beam Bottom Bar	1.25, Avg. Radius 4.5m, 28.27	25	9	1	29.52	265.68	3.85	1022.87	4.125<r<4.875 Lap should be 50Ø
5	Foundation Raft Beam Top Bar	1.25, Avg. Radius 4.5m, 28.27	25	5	1	29.52	147.6	3.85	568.26	4.125<r<4.875 Lap should be 50Ø
6	Foundation Raft Beam Side Bar	0.60, Avg. Radius 4.5m, 28.27	12	5	1	28.87	144.35	0.89	128.47	4.125<r<4.875 Lap should be 50Ø
7	Foundation Raft Beam Stirrups(outer Ring)	0.8 × 0.8, 0.12, 0.65.	12	227	1	3.14	712.78	0.89	634.37	6 Legged Stirrups(Outer)
7(1)	Foundation Raft Beam Stirrups(Inner Rings)	0.8 × 0.8, 0.12, 0.2	12	454	1	2.24	1016.96	0.89	905.09	6Legged Stirrups(Inner)
8	Column Vertical Main Bar	1.25 — 21.05 — 1.25	25	12	8	23.55	2260.8	3.85	8704.08	Lap should be 50Ø
9	Outer lateral Ties in Column	0.53 × 0.53, 0.1	10	188	8	2.32	3489.28	0.62	2163.35	

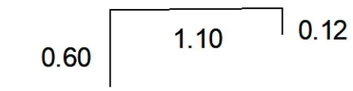
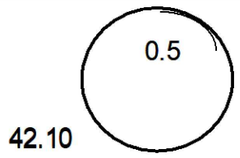
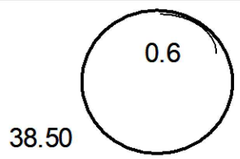
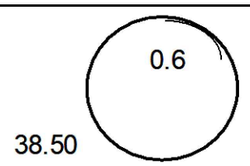
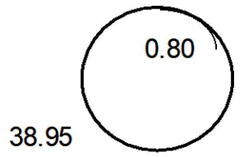
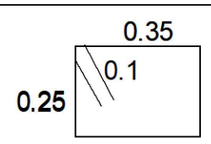
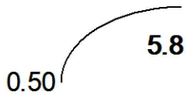
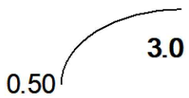
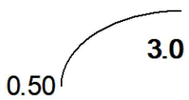
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Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	STAIRCASE FLIGHT DETAILS OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	CIVILINK CONSULT PVT LTD	3-1

10	Middle Lateral Ties in Columns		10	376	8	1.66	4993.28	0.62	3095.83	
11	Bracing Top and Bottom main Bars		25	16	4	29.49	1887.36	3.85	7266.34	Lap should be 50Ø
12	Bracing Beam Stirrups		10	188	4	2.3	1729.6	0.62	1072.35	
13	Hunching Bars		20	64	4	2.5	640	2.47	1580.8	
14	Bottom Ring BeamTop Bars		25	8	1	29.52	236.16	3.85	909.22	
15	Bottom Ring Beam Side Bars		12	8	1	29.52	236.16	0.89	210.18	
16	Bottom Ring Beam Bottom Bars		25	4	1	29.52	118.08	3.85	454.61	
17	Bottom Ring Beam Crank Bars		25	2	1	33.6	67.2	3.85	258.72	
18	Bottom Ring Beam Outer Stirrups		12	256	1	3.04	778.24	0.89	692.63	

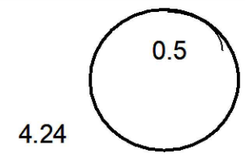
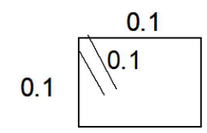
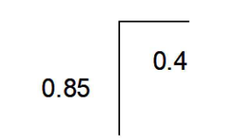
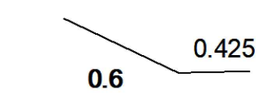
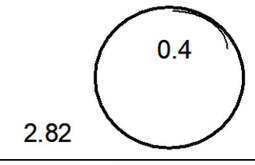
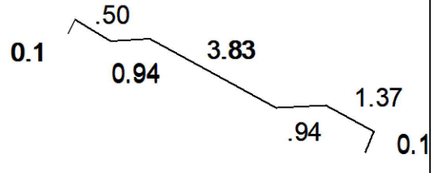
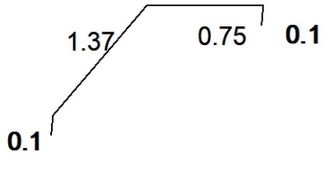
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Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	STAIRCASE FLIGHT DETAILS OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	CIVILINK CONSULT PVT LTD	3-2

18(1)	Bottom Ring Beam Middle Stirrups		12	256	1	2.3	588.8	0.89	524.03	
19	Bottom Dome Extra Top Bar at Dome and Bottom Circular Ring Beam Joint		16	283	1	2.3	650.9	1.58	1028.42	
20	Bottom Dome Meridional Bars for Top and Bottom Sides of Dome		10	113	2	5.38	1215.88	0.62	753.85	Top and Bottom Sides
21	Bottom Dome Meridional Bars for Top and Bottom Sides of Dome		10	113	2	2.94	664.44	0.62	411.95	Top and Bottom Sides
22	Bottom Dome Hoop Bars for Top and Bottom Sides of Dome	 Avg. Radius 2.25m	10	78	2	14.64	2283.84	0.62	1415.98	Top and Bottom Sides
23	Conical Slab Hoop Circular bars	 Avg. Radius 5.46m	20	34	2	35.34	2403.12	2.47	5935.71	Hoop bars in both Faces
24	Conical Slab Meridional straight bars		10	275	2	3.5	1925	0.62	1193.5	Both Faces
25	Middle Ring Beam Hoop Circuar Bars	 Avg. Radius 6.20m	16	18	1	39.75	715.5	1.58	1130.49	
26	Middle Ring Beam stirrups		10	312	1	2	624	0.62	386.88	

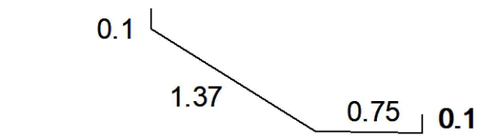
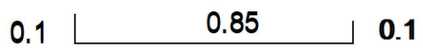
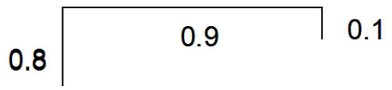
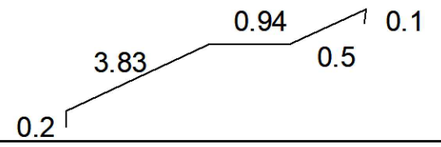
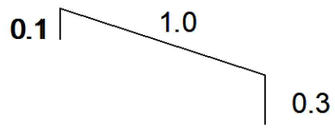
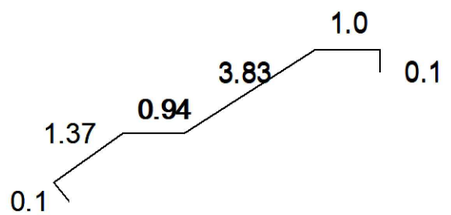
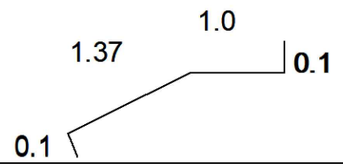
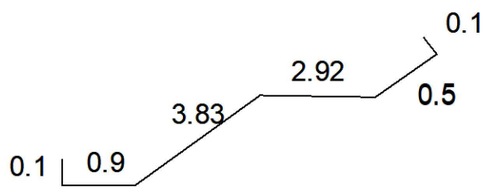
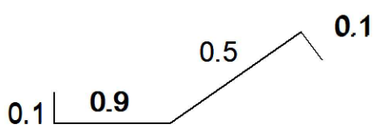
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27	Bacony Tension Straight Bars		12	360	1	1.82	655.2	0.89	583.13	
27(1)	Bacony Distribution Circular Bars		10	8	1	42.6	340.8	0.62	211.3	
28	Cylindrical Wall Hoop Circular Bars		12	23	1	39.1	899.3	0.89	800.38	
29	Cylindrical Wall Hoop Circular Bars		12	23	1	39.1	899.3	0.89	800.38	
30	Cylindrical Wall Vertical Distribution Bar		10	257	2	4.15	2133.1	0.62	1322.52	Both Faces
31	Top Ring Beam Circular Hoop Bars		16	6	1	39.75	238.5	1.58	376.83	
32	Top Ring Beam Stirrups		10	260	1	1.4	364	0.62	225.68	
33	Top Dome Meridional Bars		10	126	1	6.3	793.8	0.62	492.16	
34	Top Dome Meridional Bars		10	126	1	3.5	441	0.62	273.42	
34(1)	Top Dome Top Bar at Dome and Top Circular Ring Beam Joint		10	252	1	3.5	882	0.62	546.84	

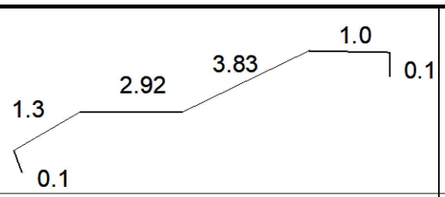
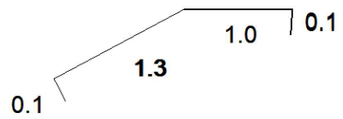
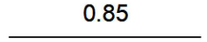
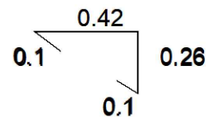
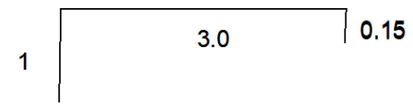
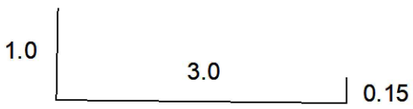
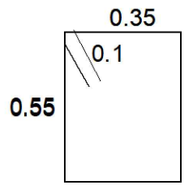
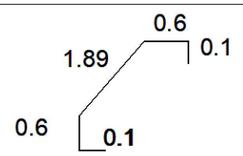
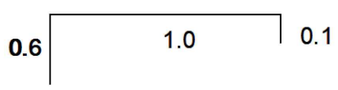
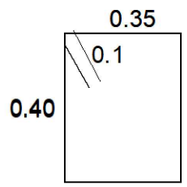
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Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	STAIRCASE FLIGHT DETAILS OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	CIVILINK CONSULT PVT LTD	3-4

35	Top Dome Hoop Circular Bars for		10	41	1	19.35	793.35	0.62	491.88	
35(1)	Top Dome Distribution Bars for Bar Code no 33		10	20	1	28.77	575.4	0.62	356.75	3<r<6
36	Ventilation, Circular Beam at Dome		10	4	1	4.74	18.96	0.62	11.76	
37	Ventilation Stirrups		8	40	1	0.6	24	0.39	9.36	
38	Ventilation Circuar Shaft		8	5	1	4.64	23.2	0.39	9.05	
39	Ventilation Circuar Shaft		8	21	1	1.25	26.25	0.39	10.24	
40	Ventilation Cover		8	15	1	1.525	22.88	0.39	8.92	
41	Ventilation Cover		8	5	1	3.22	16.1	0.39	6.28	
42	Stair Case		12	8	6	7.78	373.44	0.89	332.36	
43	Stair Case		12	8	10	2.32	185.6	0.89	165.18	

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44	Stair Case		12	8	6	2.32	111.36	0.89	99.11	
45	Stair Case Distribution		12	40	10	1.05	420	0.89	373.8	
46	Stair Case Landing		16	22	7	1.8	277.2	1.58	437.98	
47	Stair Case First Flight		12	8	1	5.57	44.56	0.89	39.66	
48	Stair Case First Flight Top Bars		12	8	1	1.4	11.2	0.89	9.97	
49	Stair Case		12	8	1	7.34	58.72	0.89	52.26	
50	Stair Case		12	8	1	2.57	20.56	0.89	18.3	
51	Stair Case		12	8	1	8.35	66.8	0.89	59.45	
52	Stair Case		12	8	1	1.6	12.8	0.89	11.39	

CLIENT:	NAME OF PROJECT:	TITLE:				SCALE:	CONSULTANT:	DWG. NO:
Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	STAIRCASE FLIGHT DETAILS OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	CIVILINK CONSULT PVT LTD	3-6

53	Stair Case		12	8	1	9.25	74	0.89	65.86	
54	Stair Case		12	8	1	2.5	20	0.89	17.8	
55	Stair Case		12	12	10	0.85	102	0.89	90.78	
56	Stair Case		8	72	10	0.88	633.6	0.39	247.1	
57	Stair Case CantiLever Beam		25	5	1	3.25	16.25	3.85	62.56	
58	Stair Case		25	4	1	3.25	13	3.85	50.05	
59	Stair Case		10	12	1	2	24	0.62	14.88	
60	Landing Beam		16	4	2	3.29	26.32	1.58	41.59	
61	Landing Beam		12	9	1	1.7	15.3	0.89	13.62	
62	Landing Beam		8	11	1	1.7	18.7	0.39	7.29	
Total									**60932.16**	

CLIENT:	NAME OF PROJECT:	TITLE:				SCALE:	CONSULTANT:	DWG. NO:
Government of Nepal Ministry of Infrastructure Development Department of Water Supply and Sewerage Management Water Supply and Sewerage Management Office,Kanchanpur	Updating of Design and Pipeline networks of Sukkhad Darakh WSP	STAIRCASE FLIGHT DETAILS OVERHEAD TANK 450 CU.M	SURVEYED BY: DESIGNED BY: CHECKED BY: APPROVED BY:			As Shown	CIVILINK CONSULT PVT LTD	3-7