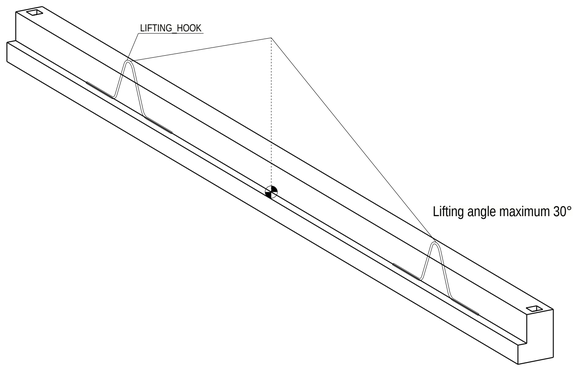
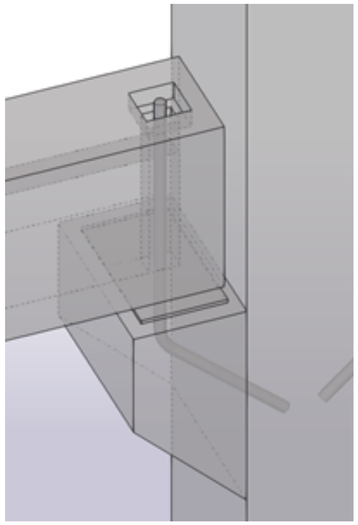
3D
1:30



Column corbel connection



REBAR BENDING SCHEDULE

Pos	Diameter	Number	Grade	Length	Kg/p	Weight	Bending shape
R/13	12	5	Unde***	9930	8.82	44.1	9933
R/186	20	2	Unde***	9930	24.49	49.0	9933
R/6	12	2	Unde***	2040	1.81	3.6	1000, 120
R/8	12	2	Unde***	2160	1.92	3.8	1000, 220
R/9	12	2	Unde***	1760	1.56	3.1	400, 420, 1000
R/10	12	2	Unde***	1560	1.39	2.8	700, 220
R/11	12	2	Unde***	1430	1.27	2.5	700, 100
R/14	12	2	Unde***	1460	1.30	2.6	600, 320
R/15	12	4	Unde***	1360	1.21	4.8	600, 220
R/55	8	7	Unde***	1430	0.56	4.0	450, 250, 66
R/56	8	56	Unde***	1990	0.79	44.0	150, 450, 350, 250, 66
R/99	16	4	Unde***	1360	2.15	8.6	509, 430
R/135	10	2	Unde***	1640	1.01	2.0	800, 120
R/136	10	2	Unde***	1030	0.64	1.3	500, 100
R/137	10	2	Unde***	1270	0.78	1.6	300, 420, 600
				Total:	177.8		

CAST UNIT BILL OF MATERIAL

Cast unit	Quantity	Main part material	Weight (kg)	Volume (m³)
B/1	1	C30/37	4070.3	1.70
BEAM	1	C30/37	4070.3	1.70

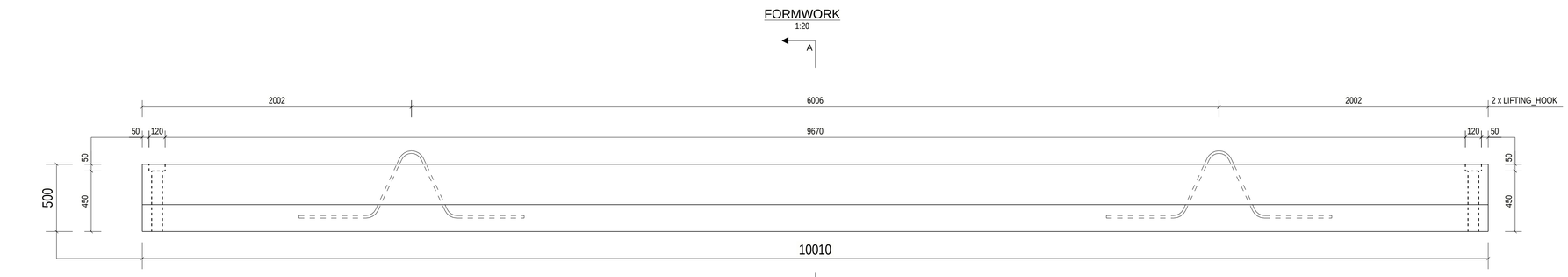
Reinforcement:

Type	Pos	Quantity	Grade	Diam	L	a	b	c	d	e	u	v	D	kg/one	kg/all
1	R/13	5	A500HW	12	9930	9933								8.8	44.1
1	R/186	2	A500HW	20	9930	9933								24.5	49.0
4	R/8	2	A500HW	12	2160	1000	220	1000			90		60	1.9	3.8
4	R/9	2	A500HW	12	1760	1000	420	400			90		60	1.6	3.1
4	R/10	2	A500HW	12	1560	700	220	700			90		60	1.4	2.8
4	R/14	2	A500HW	12	1460	600	320	600			90		60	1.3	2.6
4	R/15	4	A500HW	12	1360	600	220	600			90		60	1.2	4.8
4	R/99	4	A500HW	16	1360	509	430	509			90		80	2.1	8.6
4	R/137	2	A500HW	10	1270	600	420	300			90		40	0.8	1.6
4_4	R/6	2	A500HW	12	2040	1000	120	1000			90		92	1.8	3.6
4_4	R/11	2	A500HW	12	1430	700	100	700			90		72	1.3	2.5
4_4	R/135	2	A500HW	10	1640	800	120	800			90		96	1.0	2.0
4_4	R/136	2	A500HW	10	1030	500	100	500			90		76	0.6	1.3
14	R/55	7	A500HW	8	1430	66 66	450	250	450	250	90		32	0.6	4.0
68	R/56	56	A500HW	8	1990	66 150	450 350	250	450	350			32	0.8	44.2
81	98	2	A500HW	16	2230	562	578	578	562		65	65	160	3.5	7.1

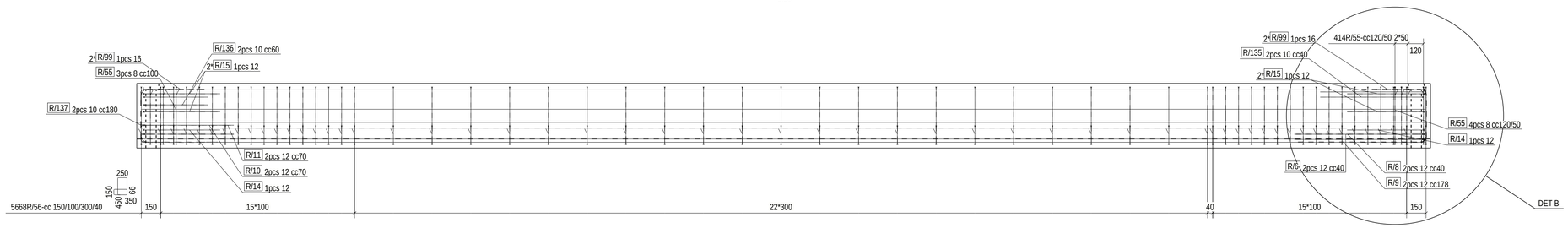
Reinforcement total weight (kg): 185.2

CAST UNIT TOTAL WEIGHT (kg): 4199.9

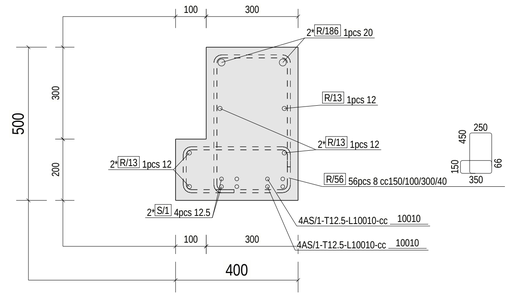
FORMWORK
1:20



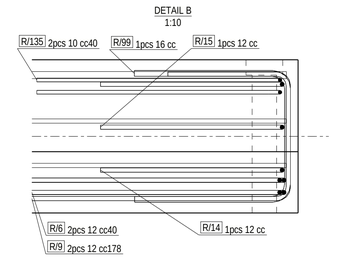
REINFORCEMENT
1:20



SECTION A - A
1:10



DETAIL B
1:10



Rev. Mark	Revision description	Created	Approved	Date
B	Updated lifting hooks			
A	Less main reinforcement			

Project name			Drawing number	
Tekla Corporation				
Project number	Designer	Date	Part	Quantity
1		05.03.2021	BEAM	1
Powered by Tekla Trimble			Element code: B/1	Revision: B

Tekla Structures