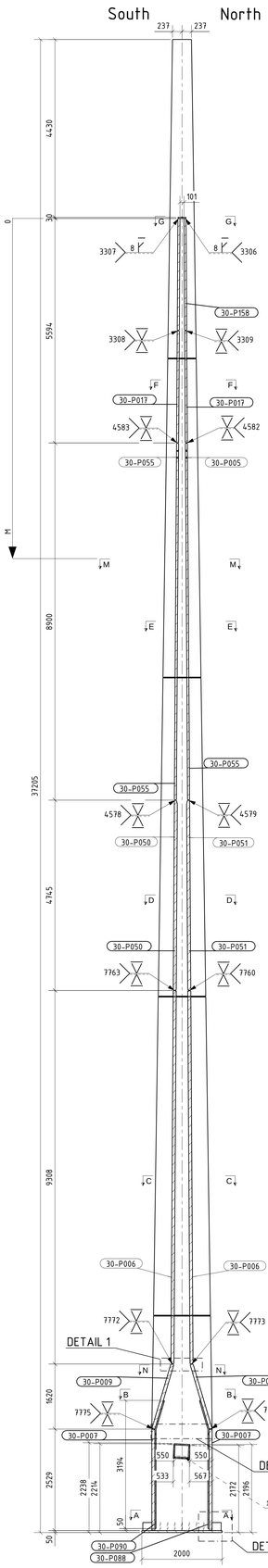
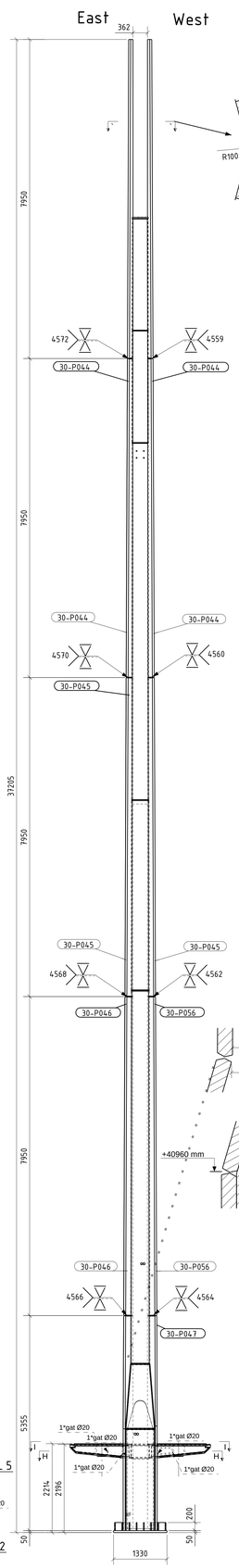
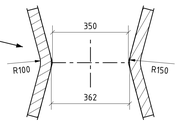
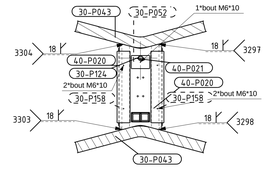


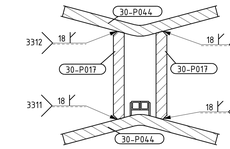




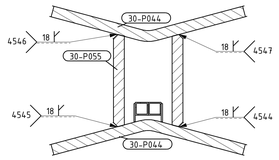
TYPICAL SECTION
1:10



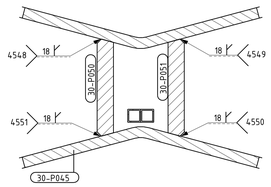
section G - G , 1:10



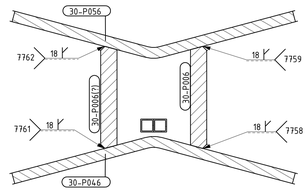
section F - F , 1:10



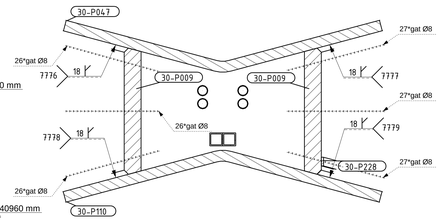
section E - E , 1:10



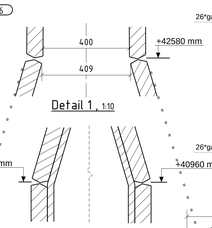
section D - D , 1:10



section C - C , 1:10

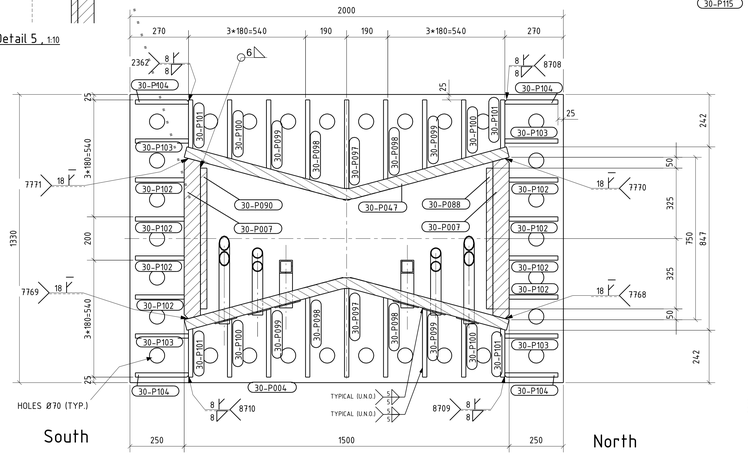


section B - B , 1:10

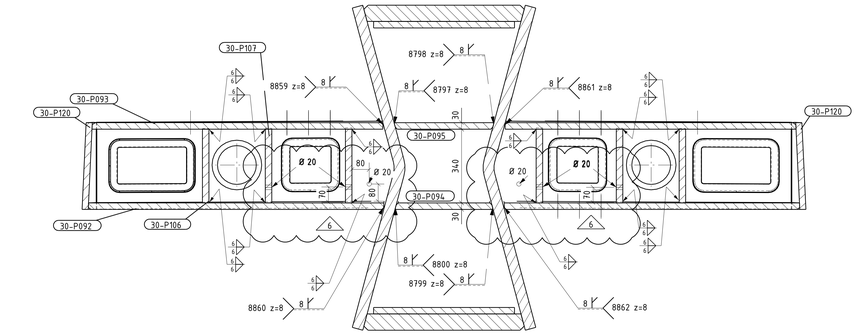


Detail 1 , 1:10

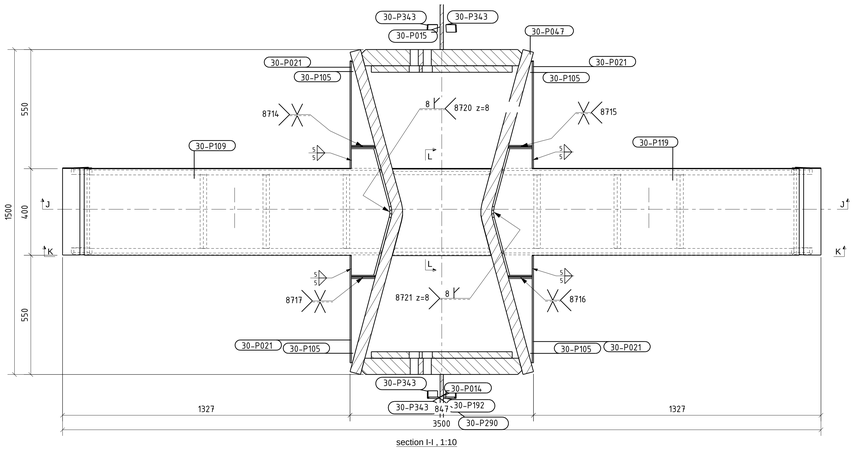
Detail 5 , 1:10



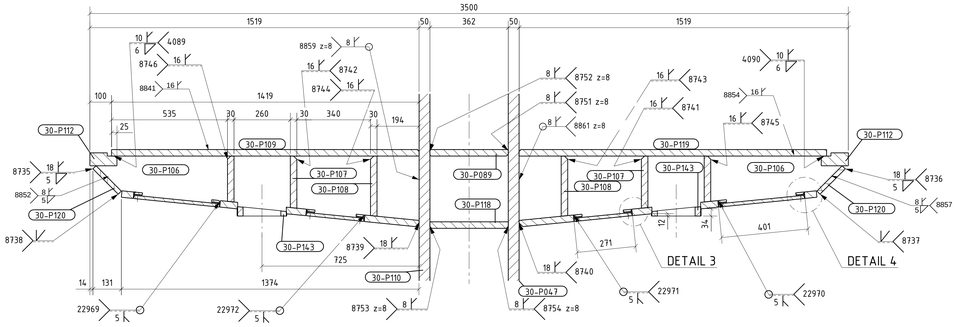
section A - A , 1:10



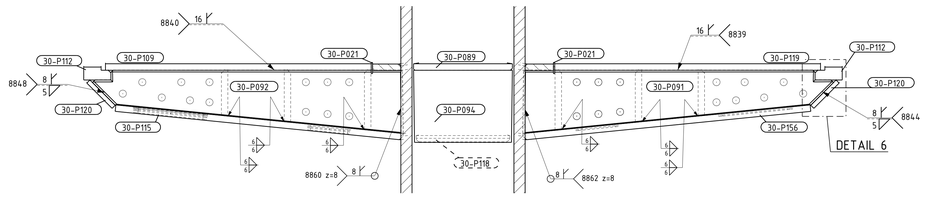
section H - H , 1:10



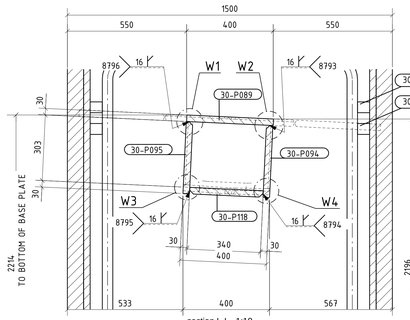
section I-I , 1:10



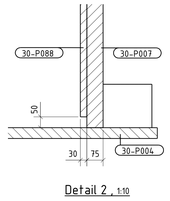
section J - J , 1:10



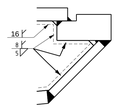
section K - K , 1:10



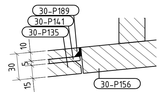
section L-L , 1:10



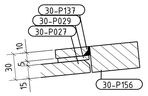
Detail 2 , 1:10



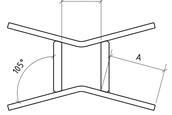
Detail 6 , 1:5



Detail 3 , 1:2.5

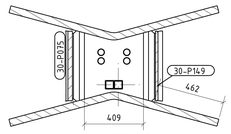


Detail 4 , 1:2.5

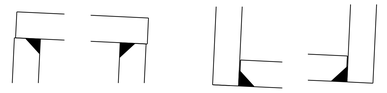


section M-M , 1:20

M	A	B
0	261	101
2000	279	125
4000	297	150
6000	315	174
8000	333	199
10000	351	223
12000	369	248
14000	387	272
16000	431	247
18000	449	271
20000	467	295
22000	485	320
24000	503	344
26000	521	369



section N-N , 1:15



Detail W1 , 1:2.5 Detail W2 , 1:2.5 Detail W3 , 1:2.5 Detail W4 , 1:2.5

PART LIST

Part	NOS	Profile	Length	Description	Material	HD Galv.	Weight (Kg)
30-P004	1	PL50*1330	2000		S355J2_3.1		1000
30-P006	1	PL75*4914	9305		S355K2_3.1		2493
30-P007	1	PL75*739.9	2527		S355K2_3.1		1073
30-P009	2	PL75*738.4	1683		S355K2_3.1		1174
30-P017	2	PL50*413	2796		S355J2_3.1		866
30-P018	1	PL75*739.9	2527		S355K2_3.1		1073
30-P021	1	PL6*50	4.95		S355J2_3.1		0
30-P024	1	PL10*245.1	267		S355J2_3.1		2
30-P027	2	PL15*245	397		S355J2_3.1		23
30-P029	2	PL5*245	397		NEOPRENE		3
30-P031	1	PL75*4914	9305		S355K2_3.1		2493
30-P043	2	PL50*719.7	7946		S355J2_3.1		3125
30-P044	2	PL50*963.8	7946		S355J2_3.1		5243
30-P045	2	PL50*1207.9	7946		S355J2_3.1		6764
30-P046	1	PL50*1452	7946		S355J2_3.1		4142
30-P047	1	PL50*1537.6	5333		S355J2_Z35_3.1		3187
30-P050	1	PL75*457.5	4741		S355K2_3.1		1203
30-P051	1	PL75*457.5	4741		S355K2_3.1		1203
30-P052	1	PL30*198.2	483		S355J2_3.1		14
30-P055	2	PL50*441.8	8894		S355J2_3.1		2690
30-P056	1	PL50*1465	7946		S355J2_3.1		4142
30-P088	1	PL30*650	3220		S355J2_3.1		453
30-P089	1	PL30*400	457		S355J2_3.1		38
30-P090	1	PL30*650	3220		S355J2_3.1		453
30-P091	1	PL30*292.3	1434		S355J2+N_3.1		73
30-P092	1	PL30*292.3	1434		S355J2+N_3.1		73
30-P093	1	PL30*2915	14.29		S355J2+N_3.1		71
30-P094	1	PL30*333	456		S355J2+N_3.2		34
30-P095	1	PL30*333	466		S355J2+N_3.2		32
30-P097	2	PL20*200	409		S355J2_3.1		26
30-P098	4	PL20*200	368		S355J2_3.1		46
30-P099	4	PL20*200	320		S355J2_3.1		40
30-P100	4	PL20*200	272		S355J2_3.1		34
30-P101	4	PL20*200	224		S355J2_3.1		28
30-P102	8	PL20*200	225		S355J2_3.1		57
30-P103	4	PL20*200	245		S355J2_3.1		31
30-P104	4	PL20*200	245		S355J2_3.1		31
30-P105	4	PL10*106.6	395		S355J2_3.1		22
30-P106	2	PL30*220	340		S355J2_3.1		33
30-P107	1	PL30*250	340		S355J2_3.1		19
30-P108	1	PL30*285	340		S355J2_3.1		22
30-P109	1	PL30*596.9	14.19		S355J2_3.1		137
30-P110	1	PL50*1537.6	5333		S355J2_Z35_3.1		3167
30-P112	2	PL60*125	400		S355J2_3.1		47
30-P115	1	PL30*400	1379		S355J2_3.1		79
30-P118	1	PL30*338	449		S355J2_3.1		34
30-P119	1	PL30*596.9	14.19		S355J2_3.1		137
30-P120	2	PL20*165	400		S355J2_3.1		21
30-P135	1	PL15*245	267		S355J2_3.1		7
30-P137	2	PL10*245	397		S355J2_3.1		6
30-P141	2	PL5*245	267		NEOPRENE		2
30-P143	2	N229/25	46		S355J2_3.1		11
30-P156	1	PL30*400	1379		S355J2_3.1		79
30-P157	1	PL30*2915	14.29		S355J2+N_3.1		71
30-P158	2	PL50*403.9	2793		S355J2_3.1		845
30-P189	1	PL10*245	267		S355J2_3.1		2
30-P191	1	PL15*245	267		S355J2_3.1		7
30-P347	1	PL30*250	340		S355J2_3.1		19
30-P348	1	PL30*285	340		S355J2_3.1		22
						Total	49807

Building Part Reference:
PYLOON

Weld specification:
-ALL WELDS DOUBLE FILLET a=5 , UNLESS OTHERWISE SPECIFIED.
-ALL FILLET WELD VALUES REPRESENT THE THROAT THICKNESS= a.
-REINFORCED WELD:
8 9625 z=4

Additional text to weld numbers:
(TF) = TOP FLANGE
(W) = WEB
(BF) = BOTTOM FLANGE

Weldnumbers: (Full Penetration Welds)
3308 3309 4559 4560 4562 4563 4566 4568 4570 4572 4578 4579 4582 4583 7362 7363 7364 7365 7369 7370 7760 7763 7766 7772 7773 7775 8714 8715 8716 8717 8737 8738

Weldnumbers: (Partial Penetration Welds)
2927 3297 3298 3303 3304 3306 3307 3310 3311 3312 3313 4089 4090 4544 4545 4546 4547 4548 4549 4550 4551 7758 7759 7761 7762 7768 7769 7770 7771 7776 7777 7778 7779 8708 8709 8710 8720 8721 8735 8736 8739 8740 8741 8742 8743 8744 8745 8746 8751 8752 8753 8754 8793 8794 8795 8796 8797 8798 8799 8800 8829 8840 8841 8844 8848 8852 8854 8857 8859 8860 8861 8862 22969 22970 22971 22972

FOR CABLE ROUTING SEE DRAWING 30-101
FOR GRATING SEE DRAWING 30-106
FOR STEEL SEE DRAWING 30-101

Rev	Date	Drawn	Checked	Description
5	27-10-15	KvdR	AvN	Holes Ø70 added for lighting cabling
4	02-04-15	EG	AvN	Section J-J, L-L and Details 6 and W1 until W4 modified
3	01-03-15	EG	AvN	PRA comments, Detail 3, 4, 5 W1 until W4 added
2	13-02-15	EG	AvN	Pos 30-P088 ans 30-P090 added
1	28-01-15	KvdR	AvN	Section M,M added - fillet weld added
0	15-01-15	EG	AvN	Eerste uitgave

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Client: Reading Borough Council

Project: River Thames, Reading Pedestrian / Cycle Bridge

Title: Mast - General Arrangement

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R is as drawn. L is opp. hand.
Projection
Units: mm
Geometric tolerances acc. to: EN ISO 1090-2 annex D
Welding symbols acc. to: EN 22553

	Date	Initials	Scale		File name	REV.
Drawn by	27-10-15	KvdR	1:2.5		33651-30-100	6
Checked	27-10-15	AvN	Format	A0		

Tekla Structures