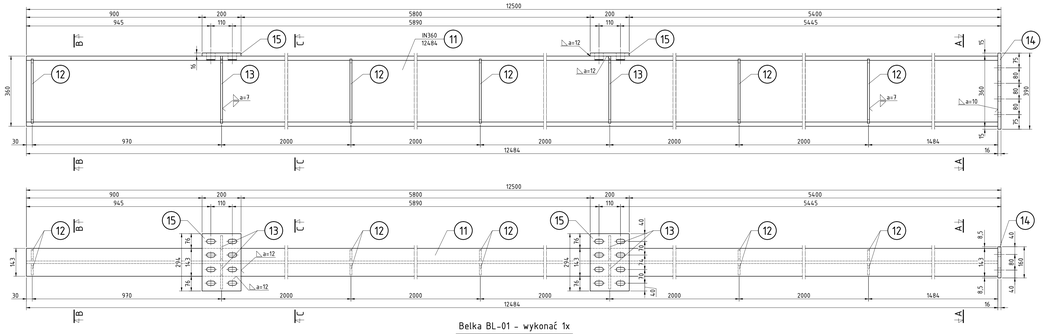
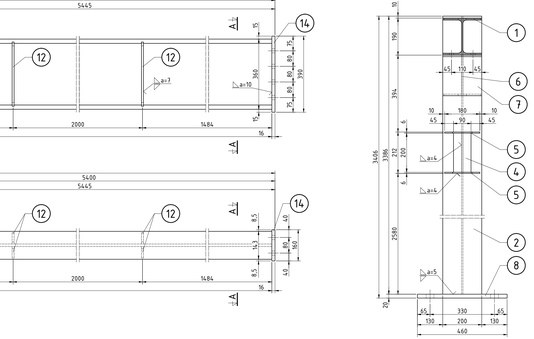


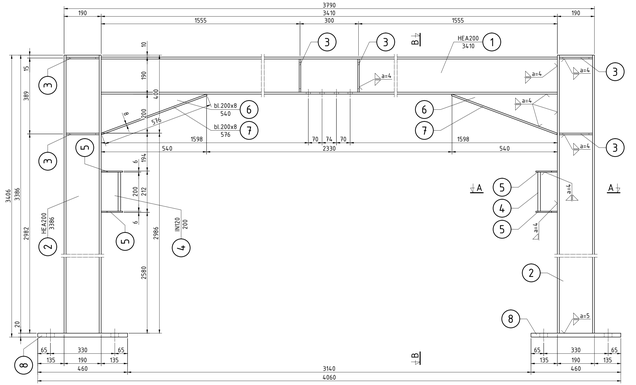
Belka BL-01 – wykonać 1x

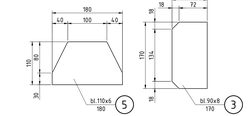
Skala 1:10



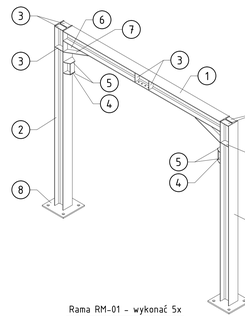
B-B

Skala 1:10

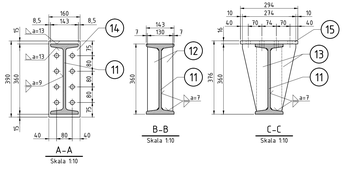




Skala 1:5



Rama RM-01 – wykonać 5x



A-A

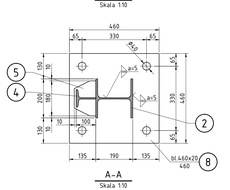
Skala 1:10

B-B

Skala 1:10

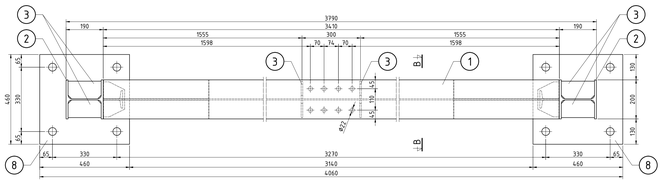
C-C

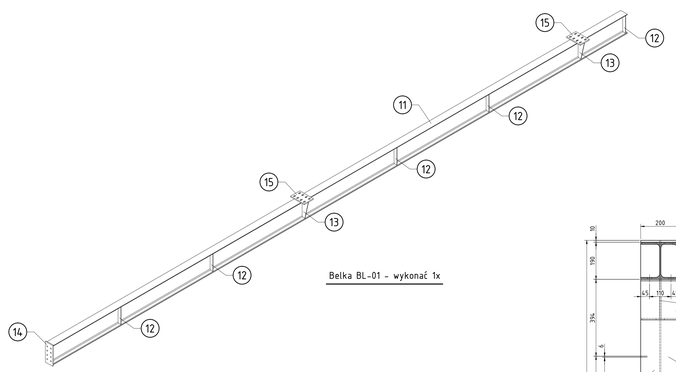
Skala 1:10



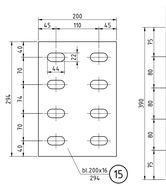
A-A

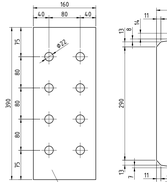
Skala 1:10



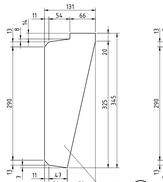


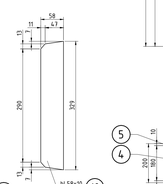
Belka BL-01 – wykonać 1x

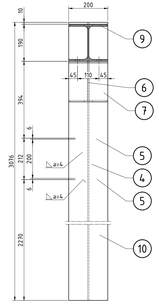




Skala 1:5

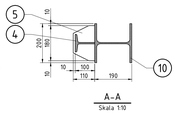






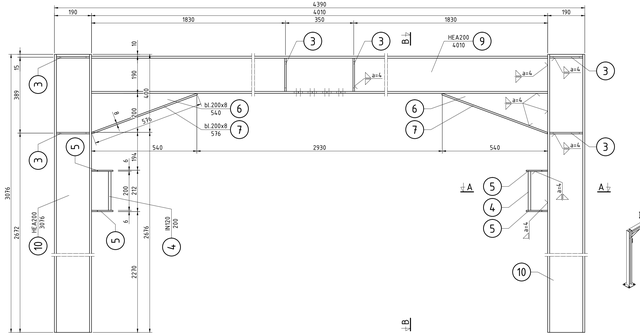
B-B

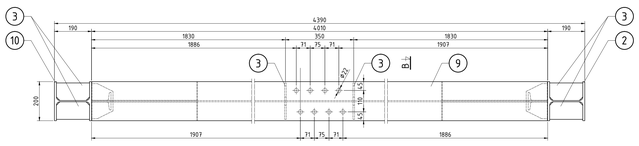
Skala 1:10



A-A

Skala 1:10



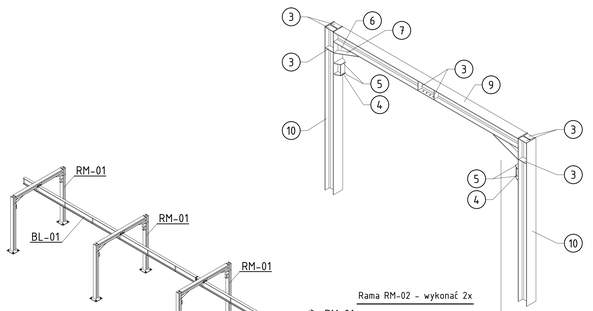


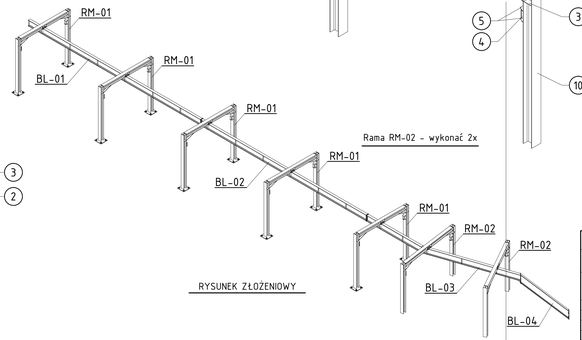
Rama RM-02 – wykonać 2x

Skala 1:10

Rama RM-01 – wykonać 5x

Skala 1:10





Rama RM-02 – wykonać 2x

RYSUNEK ZŁOŻENIOWY

ZESTAWIENIE ELEMENTÓW KONSTRUKCYJNYCH

Pozycja	sztuk	Element	długość mm	Masa jedn. kg/m	Masa łącz. kg	Masa całk. kg	Materiał	Uwagi
1	3	HEA200	3386	42.30	14.523	429.68	S235	
2	6	HEA200	3386	42.30	14.523	859.37	S235	
3	48	bl.90x8	170	5.65	0.96	44.10	S235	
4	6	1/2IN200	200	13.10	2.62	15.72	S235	
5	12	bl.110x6	180	5.18	0.93	11.79	S235	
6	10	bl.200x8	540	12.56	6.78	67.82	S235	
7	10	bl.200x8	576	12.56	7.23	72.35	S235	
8	10	bl.440x20	460	32.22	33.22	332.25	S235	
11	1	IN360	12484	76.10	950.03	950.03	S235	
12	10	bl.58x10	329	4.55	1.50	14.97	S235	
13	8	bl.131x10	345	10.28	3.55	28.37	S235	
14	2	bl.160x16	390	25.10	7.84	15.68	S235	
15	3	bl.200x16	294	25.10	7.39	22.16	S235	
17	1	IN360	3974	76.10	302.49	302.49	S235	
18	1	IN360	5663	76.10	430.95	430.95	S235	
19	2	bl.200x16	337	25.10	8.47	16.93	S235	
20	1	bl.145x10	145	11.38	1.65	1.65	S235	
21	4	bl.132x10	345	10.36	3.57	14.30	S235	
22	1	bl.200x16	535	25.10	13.44	13.44	S235	
23	1	IN360	3820	76.10	291.31	291.31	S235	
24	1	bl.180x16	530	22.61	11.98	11.98	S235	
25	2	HEB140	2059	33.70	69.39	138.78	S235	
26	12	bl.60x6	116	2.83	0.33	3.94	S235	
27	1	HEB140	2560	33.70	86.27	86.27	S235	
28	5	HEB180	2110	51.20	108.35	693.36	S235	
29	20	bl.80x8	152	5.02	0.76	15.26	S235	
30	2	HEB180	285	51.20	14.59	29.18	S235	
31	2	HEB180	180	51.20	9.22	18.43	S235	
32	1	HEB180	2419	51.20	123.85	123.85	S235	
33	14	bl.200x12	430	51.20	18.84	263.74	S235	
					Razem	5058.12		
				Dodatek na spoiny		75.87		
				Masa całkowita elementu			5 134	

ZESTAWIENIE ŁĄCZNIKÓW

Lp	Rodzaj łącznika	Ilość	Klasa	Uwagi
1	Śruba M20x60	44	4.8	
2	Śruba M20x90	28	4.8	
6	Nakrętka M20	112	4	
9	Podkładka 21x37x3	112		
12	Podkładka klinowa dla dwuteowników M20	28		
14	Kotwy wklejane Hilti HIT-HY 200-A+HIT-V(S) 8.8	4		kpl

Temat zadania:	Dokumentacja transportu kolejki podwieszonej.
Temat projektu:	Konstrukcja stacji materiałowej.
Tytuł rysunku:	Rysunek warsztatowy konstrukcji. Cz.1.
Podziałka	1:10;15

Funkcja	Imię i Nazwisko	Data	Podpis
Projektował:	mgr inż. Michał Szewczyk	12.2014r.	
Sprawdził:	mgr inż. Grzegorz Pociągiel	12.2014r.	

Nr projektu

Nr rysunku 04