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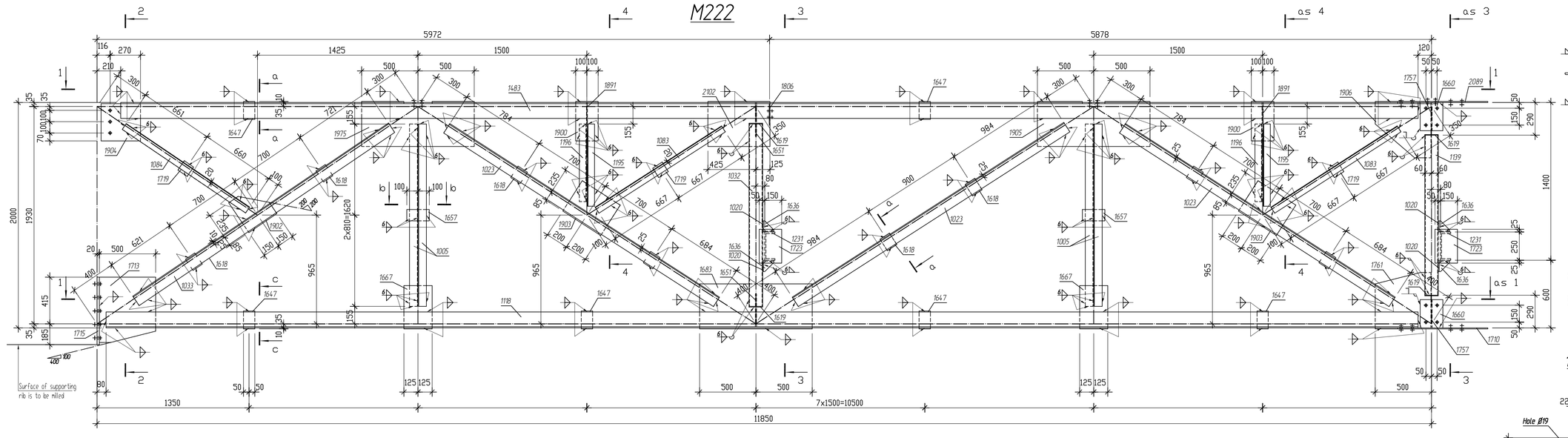

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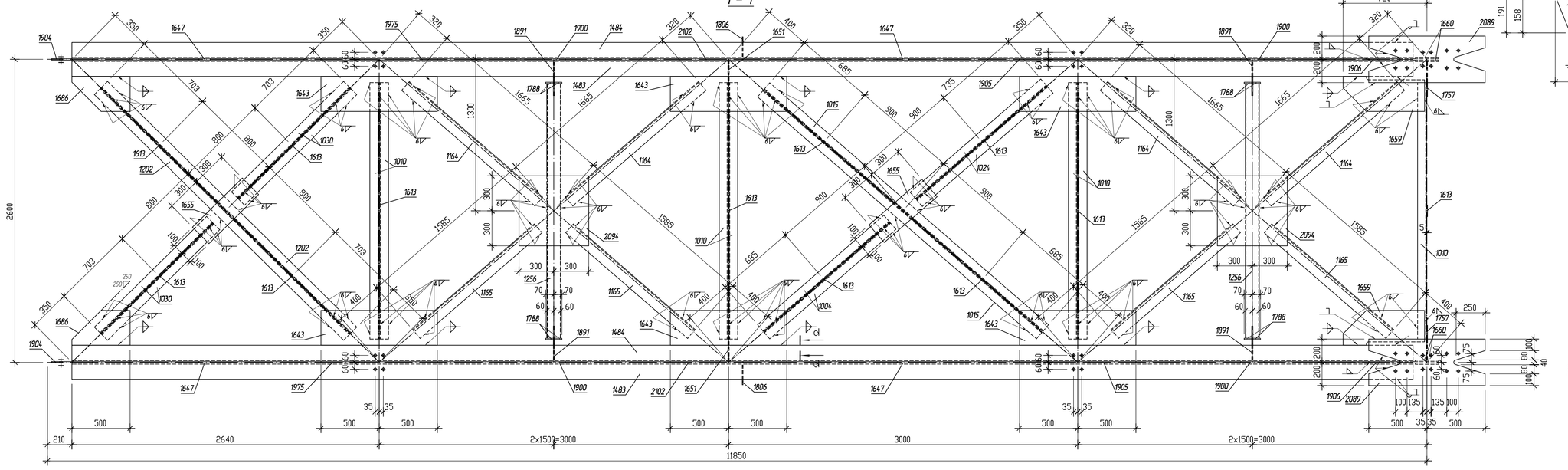

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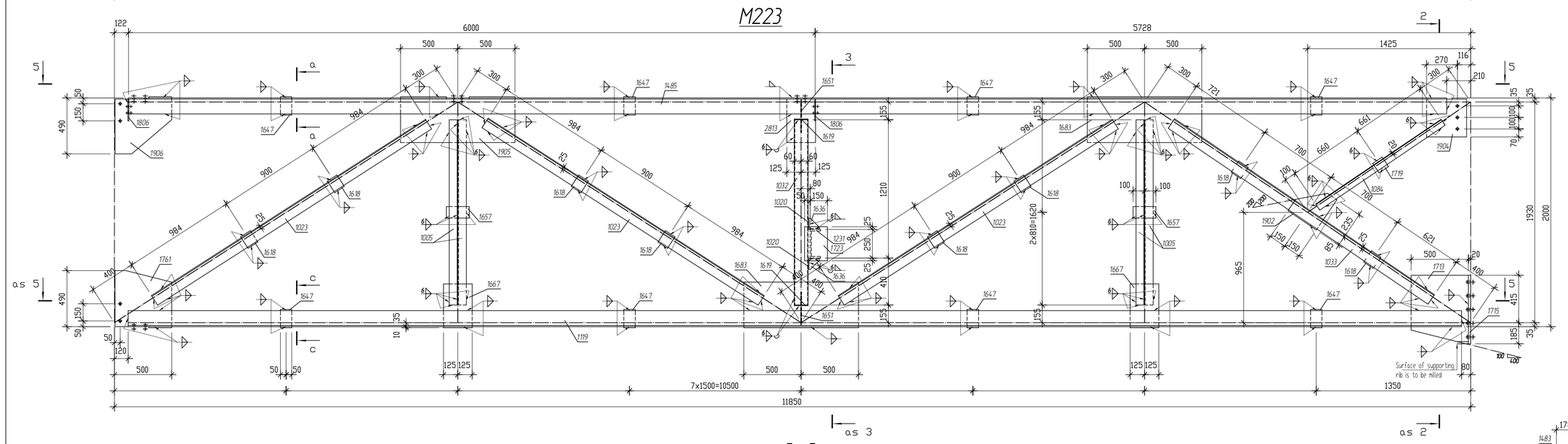

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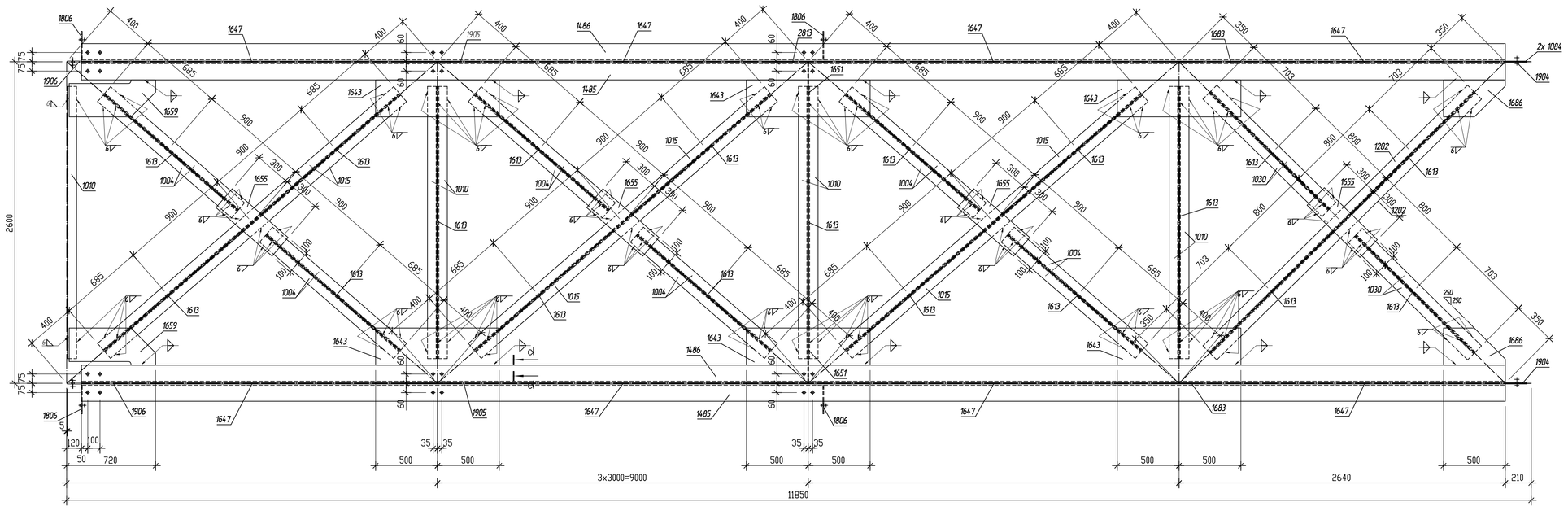

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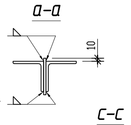

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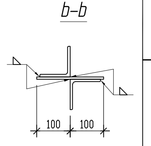

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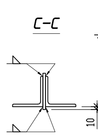

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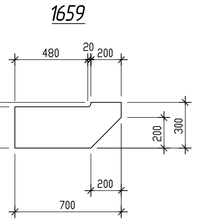

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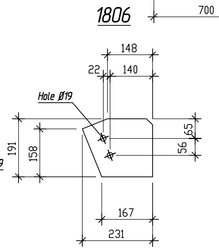

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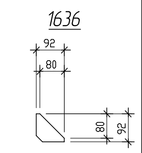

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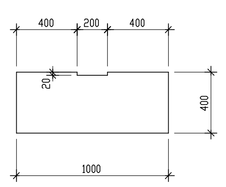

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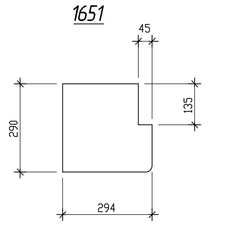

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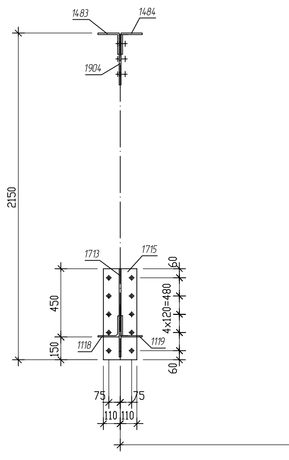

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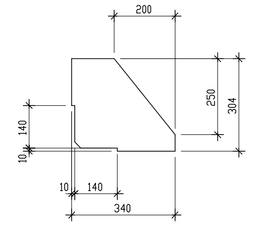

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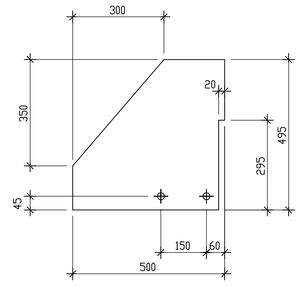

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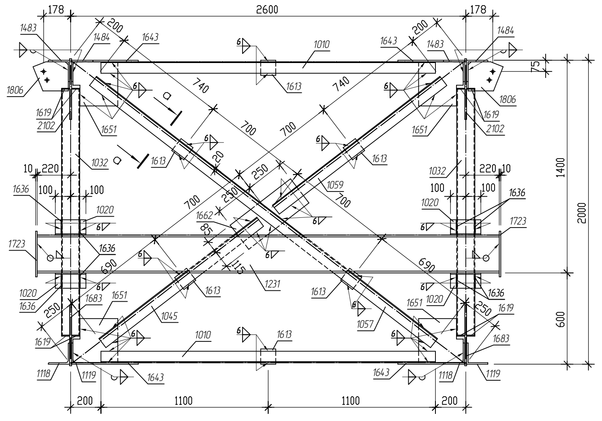

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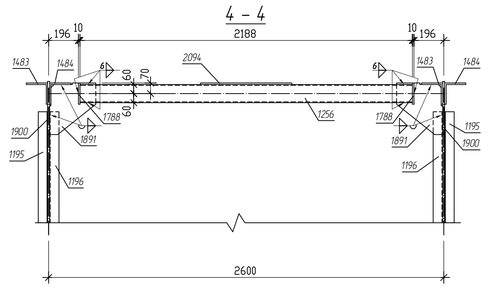

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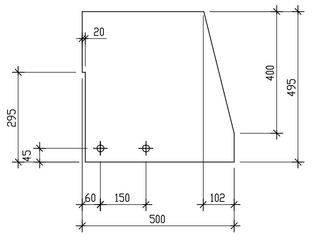
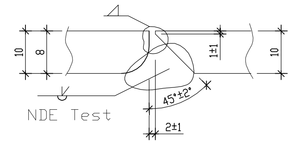


d- d



Notes
1. For erection plan see drawing 11-KMD-M1.
2. Not specified drill hole is Ø23.
3. Not specified weld size is 8mm.
4. Not specified edge 20mm.
5. Not specified radius curvature 20mm.
6. All joints to be welded with electrodes grade not lower than 346A as per GOST 9467-75 (LB- 52 as per JIS Z3212 D5016).
7. Welded joints to be made in compliance with GOST 5264-80.
8. All shop-welded joints to be 100% NDE tested.
9. The specified weld seams to be welded with a through penetration and inspection by physical methods acc, to SP53-101-98. The joint ends are to be put out on the runoff blocks.

MATERIAL LIST FOR ONE MARK STEEL GRADE (C245 GOST 27 772-88), UNLESS SPECIALLY NOTED

Mark	Parts	Qty d	Qty m	Section	Length (mm)	Weight (kg) 1 Part	Weight (kg) All Part	Mark	Steel grade	Note
M223	1004	24		∟ 75x6	1435	9.89	237.3			
	1005	8		∟ 75x6	1620	11.16	89.3			
	1010	16		∟ 75x6	2200	15.16	242.2			
	1015	12		∟ 75x6	3110	21.44	262.1			
	1020	4		∟ 100x8	2100	24.5	98			
	1023	12		∟ 100x8	2867	35.12	421.4			
	1030	8		∟ 75x6	1353	9.32	74.6			
	1032	2		⊓ 120x5	1620	28.05	56.1			
	1033	4		∟ 100x8	2742	33.59	134.4			
	1045	2		∟ 75x6	1310	9.03	18.1			
	1057	2		∟ 75x6	2830	19.50	39.0			
	1059	2		∟ 75x6	1390	9.58	19.2			
	1084	4		∟ 63x5	1322	6.36	25.4			
	1118	2		∟ 140x10	19650	249.83	499.7			
	1119	2		∟ 140x10	19650	249.83	499.7			
	1202	4		∟ 75x6	3005	20.71	82.8			
	1231	1		C 250x90x9	3042	105.06	105.1			
	1485	2		∟ 140x10	11520	244.91	489.8			
	1486	2		∟ 140x10	11520	244.91	489.8			
	1613	42		-100x10	100	0.79	33.2		C255	
	1638	16		-100x12	120	1.13	18.1		C255	
	1639	8		-56x6	120	0.31	2.4		C255	
	1636	8		-90x6	92	0.24	1.9		C245	
	1643	12		-300x10	1000	23.55	282.6		C255	
	1647	16		-100x12	160	1.51	24.1		C255	
	1651	4		-290x10	296	6.21	24.8		C255	
	1655	8		-200x10	600	9.42	75.4		C255	
	1657	4		-100x12	200	1.88	7.5		C255	
	1659	4		-300x10	700	13.74	55.0		C255	
	1662	1		-200x10	500	7.85	7.9		C255	
	1667	4		-250x12	385	9.07	36.3		C255	
	1683	4		-400x12	1000	37.68	150.7		C255	
	1686	4		-300x10	500	9.32	37.3		C255	
	1703	2		-500x12	580	27.43	50.9		C255	
	1715	2		-220x20	600	20.72	41.4		C255	
	1719	2		-100x12	100	0.94	1.9		C255	
	1723	2		-200x10	300	4.71	9.4			
	1761	2		-495x12	500	21.15	42.3		C255	
	1806	4		-159x8	231	2.35	9.4			
	1902	2		-300x12	320	7.16	14.3		C255	
	1904	2		-330x12	350	10.88	21.8		C255	
	1905	2		-400x12	1000	37.30	74.6		C255	
	1906	2		-495x12	500	17.81	35.6		C255	
	2813	2		-250x12	380	8.95	17.9		C255	

MATERIAL LIST FOR ONE MARK STEEL GRADE (C245 GOST 27 772-88), UNLESS SPECIALLY NOTED

Mark	Parts	Qty d	Qty m	Section	Length (mm)	Weight (kg) 1 Part	Weight (kg) All Part	Mark	Steel grade	Note
M222	1004	12		∟ 75x6	1435	9.89	118.6			
	1005	8		∟ 75x6	1620	11.16	89.3			
	1010	16		∟ 75x6	2200	15.16	242.2			
	1015	8		∟ 75x6	3110	21.44	174.7			
	1020	8		∟ 100x8	2100	24.5	196			
	1023	12		∟ 100x8	2867	35.12	421.4			
	1024	4		∟ 75x6	1485	10.23	40.9			
	1030	8		∟ 75x6	1353	9.32	74.6			
	1032	2		⊓ 120x5	1620	28.05	56.1			
	1033	4		∟ 100x8	2742	33.59	134.4			
	1045	4		∟ 75x6	1310	9.03	36.1			
	1057	4		∟ 75x6	2830	19.50	78.0			
	1059	4		∟ 75x6	1390	9.58	38.3			
	1083	8		∟ 63x5	1374	6.47	51.3			
	1084	4		∟ 63x5	1322	6.36	25.4			
	1118	2		∟ 140x10	19650	249.83	499.7			
	1119	2		∟ 140x10	19650	249.83	499.7			
	1139	2		⊓ 120x5	1620	24.54	49.1			
	1164	4		∟ 100x8	1515	18.56	74.2			
	1165	4		∟ 100x8	1385	16.97	67.9			
	1195	4		∟ 63x5	730	3.51	14.0			
	1196	4		∟ 63x5	690	3.32	13.3			
	1202	4		∟ 75x6	3005	20.71	82.8			
	1231	2		C 250x90x9	3042	105.06	210.1			
	1256	2		⊓ 120x5	2188	38.24	76.5			
	1483	2		∟ 140x10	11520	244.91	489.8			
	1484	2		∟ 140x10	11520	244.91	489.8			
	1613	40		-100x10	100	0.79	31.6		C255	
	1638	16		-100x12	120	1.13	18.0		C255	
	1639	16		-56x6	120	0.31	4.9		C255	
	1636	16		-90x6	92	0.24	3.8		C245	
	1643	12		-300x10	1000	23.55	282.6		C255	
	1647	12		-100x12	160	1.51	18.1		C255	
	1651	4		-290x10	296	6.21	24.8		C255	
	1655	6		-200x10	600	9.42	56.5		C255	
	1657	4		-100x12	200	1.88	7.5		C255	
	1659	4		-300x10	700	13.74	55.0		C255	
	1660	8		-200x12	250	4.71	37.7		C255	
	1662	2		-200x10	500	7.85	15.7		C255	
	1667	4		-250x12	385	9.07	36.3		C255	
	1683	2		-400x12	1000	37.68	75.4		C255	
	1686	4		-300x10	500	9.32	37.3		C255	
	1710	2		-400x10	1000	26.59	53.2		C255	
	1713	2		-500x12	580	27.43	50.9		C255	
	1715	2		-220x20	600	20.72	41.4		C255	
	1719	6		-100x12	100	0.94	5.7		C255	
	1723	4		-200x10	300	4.71	18.8		C245	
	1757	4		-250x10	300	5.89	23.6		C255	
	1761	2		-495x12	500	21.15	42.3		C255	
	1788	8		-65x10	140	0.71	5.7		C255	
	1806	2		-159x8	231	2.35	4.7			
	1891	4		-304x10	340	5.91	23.6		C255	
	1900	4		-330x12	350	6.59	26.4		C255	
	1902	2		-300x12	320	7.16	14.3		C255	
	1903	4		-320x12	400	12.06	48.2		C255	
	1904	2		-330x12	350	10.88	21.8		C255	
	1905	2		-400x12	1000	37.30	74.6		C255	
	1906	2		-495x12	500	17.81	35.6		C255	
	1975	2		-420x12	1000	37.21	74.4		C255	
	2089	2		-420x10	1000	26.59	53.2		C255	
	2094	2		-600x10	600	28.26	56.5		C255	
	2402	2		-400x12	550	20.72	41.4		C255	

Required			
Mark	Qty	Mass (kg)	
		One Mark	Total Marks
M222	1	55680	55680
M223	1	48510	48510
TOTAL			104190

NO.	DATE	DESCRIPTION OF REVISION	DRAWN	REVIEWED	APPROVED

PROJECT - UNION OF MYANMAR, MEC. IRON MAKING PLANT

INTERPLANT SERVICE LINES RACK UNIT 43.01, EAST-WEST AREA ROUTE

CONTRACTOR - SOUTHERN METAL INDUSTRY CO.,LTD

JOB TITLE - TRUSSES

DRAWING TITLE - M222, M223

DRAWN BY - Wakaba	CHECKED BY	OFFICE CHECKED BY	APPROVED BY

DATE	SCALE	DRAWING NO.
		11-KMD-38

Format A0