

# STANDARD COMPONENTS

EXAMPLE

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1...9	<b>WALL DETAILS</b>		<b>M2</b>
10	1. Wall details:	Thickness: 200; H: 200-340mm	p.9.
	Listed by profile, page 1-4	Full   Grooved   Squared	
	Listed by location, page 5-9	Levels: Bottom   Roof   2nd floor	
	<b>PURLINS, COLUMNS &amp; BEAMS</b>		
11	2. Purlins	Diameter: 200-360mm	p.10.
	3. Columns	Massive or glued: 200-280mm	
	4. Beams	Between floors or elsewhere	
			<b>SUM [1-4]</b>
11	<b>RAFTERS AND LATHING</b>		
12	5. Rafters 50x200	Planned   Kiln dried	
	6. Boards 50x200	Between rafters	
	7. Slats 10x48	Over boards, position 6	
	8. Slats 10x48	To fasten diffusion membrane	
	9. Lathing 48x48	For air circulation in the roof	
	<b>CLAMPING SET, BELOW RAFTERS</b>		
13...14	10. Slats 10x48	To fasten plastics	
	11. Rails 48x96	If 350mm isolation in the roof	
	12. Battens 48x48	To press ceiling down	
	13. Wedges 38x50	Scantlings in the gables	
	<b>SETS FOR APERTURES</b>		
15	14. Side boards 50x190	Grooved for corresponding laths	
	15. Laths 48x58	To screw & glue in the boards	
	<b>WALL REINFORCING PINS</b>		
4	16. Octahedron 58x58	Inside drillholes, diam. 60mm	
	<b>+</b> <b>SETS OF STEEL BRACINGS</b>	To join long & specific details	

<b>Project:</b>		<b>Notes:</b>
<b>Date:</b>	2015.07.29.	
<b>Designer:</b>	Name, Surname	

**WALL DETAILS (listed by profile):**

<b>Profile:</b>	<b>Full</b>	<b>H (mm)</b>					<b>Notes</b>
<b>240</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Total Length</b>	<b>Area(m2)</b>	<b>Volume(m3)</b>		
	1 860	1	1 860	0,446	0,09		
	2 160	1	2 160	0,518	0,10		
	3 600	1	3 600	0,864	0,17		
	3 660	2	7 320	1,757	0,35		
	3 854	2	7 708	1,850	0,37		
	4 130	1	4 130	0,991	0,20		
	6 330	1	6 330	1,519	0,30		
	6 660	4	26 640	6,394	1,28		
	7 600	1	7 600	1,824	0,36		
	<b>Sum:</b>	<b>14</b>	<b>67 348</b>	<b>16,163</b>	<b>3,23</b>		
<b>280</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Total Length</b>	<b>Area(m2)</b>	<b>Volume(m3)</b>		
	1 900	2	3 800	1,064	0,21		
	2 530	1	2 530	0,708	0,14		
	6 630	1	6 630	1,856	0,37		
<b>Sum:</b>	<b>4</b>	<b>12 960</b>	<b>3,629</b>	<b>0,73</b>			
<b>300</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Total Length</b>	<b>Area(m2)</b>	<b>Volume(m3)</b>		
	2 700	2	5 400	1,620	0,32		
<b>Sum:</b>	<b>2</b>	<b>5 400</b>	<b>1,620</b>	<b>0,32</b>			

<b>Profile:</b>	<b>Grooved</b>	<b>H (mm)</b>					<b>Notes</b>
<b>140</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Total Length</b>	<b>Area(m2)</b>	<b>Volume(m3)</b>		
	230	1	230	0,032	0,01		
	260	1	260	0,036	0,01		
	700	1	700	0,098	0,02		
	990	1	990	0,139	0,03		
	2 900	1	2 900	0,406	0,08		
	2 930	1	2 930	0,410	0,08		
	3 130	2	6 260	0,876	0,18		
	3 330	1	3 330	0,466	0,09		
	3 700	1	3 700	0,518	0,10		
	4 500	1	4 500	0,630	0,13		
	<b>Sum:</b>	<b>11</b>	<b>25 800</b>	<b>3,612</b>	<b>0,72</b>		
	<b>240</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Total Length</b>	<b>Area(m2)</b>	<b>Volume(m3)</b>	
		230	1	230	0,055	0,01	
260		1	260	0,062	0,01		
600		1	600	0,144	0,03		
780		1	780	0,187	0,04		
810		1	810	0,194	0,04		
830		2	1 660	0,398	0,08		
990		1	990	0,238	0,05		
1 430		1	1 430	0,343	0,07		
1 671		1	1 671	0,401	0,08		
1 860		1	1 860	0,446	0,09		
2 160		1	2 160	0,518	0,10		
2 260		1	2 260	0,542	0,11		
2 800		1	2 800	0,672	0,13		
2 830		1	2 830	0,679	0,14		
2 860		1	2 860	0,686	0,14		
2 900		1	2 900	0,696	0,14		
3 130		2	6 260	1,502	0,30		
3 230		1	3 230	0,775	0,16		
3 600		1	3 600	0,864	0,17		
3 880		1	3 880	0,931	0,19		
4 410		1	4 410	1,058	0,21		
5 100		1	5 100	1,224	0,24		
<b>Sum:</b>		<b>24</b>	<b>52 581</b>	<b>12,619</b>	<b>2,52</b>		
<b>260</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Total Length</b>	<b>Area(m2)</b>	<b>Volume(m3)</b>		
	230	5	1 150	0,299	0,06		
	260	3	780	0,203	0,04		
	600	3	1 800	0,468	0,09		

610	3	1 830	0,476	0,10	
780	2	1 560	0,406	0,08	
810	2	1 620	0,421	0,08	
830	2	1 660	0,432	0,09	
990	2	1 980	0,515	0,10	
1 210	1	1 210	0,315	0,06	
1 280	2	2 560	0,666	0,13	
1 380	1	1 380	0,359	0,07	
1 430	1	1 430	0,372	0,07	
1 850	1	1 850	0,481	0,10	
2 160	1	2 160	0,562	0,11	
2 260	2	4 520	1,175	0,24	
2 730	1	2 730	0,710	0,14	
2 800	1	2 800	0,728	0,15	
2 830	2	5 660	1,472	0,29	
2 850	3	8 550	2,223	0,44	
2 860	1	2 860	0,744	0,15	
2 880	1	2 880	0,749	0,15	
2 900	2	5 800	1,508	0,30	
2 960	1	2 960	0,770	0,15	
3 000	1	3 000	0,780	0,16	
3 080	2	6 160	1,602	0,32	
3 130	2	6 260	1,628	0,33	
3 230	3	9 690	2,519	0,50	
3 510	1	3 510	0,913	0,18	
3 600	3	10 800	2,808	0,56	
4 400	1	4 400	1,144	0,23	
4 410	1	4 410	1,147	0,23	
5 100	3	15 300	3,978	0,80	
5 172	2	10 344	2,689	0,54	
5 200	2	10 400	2,704	0,54	
5 450	1	5 450	1,417	0,28	
5 935	1	5 935	1,543	0,31	
6 300	2	12 600	3,276	0,66	
6 400	1	6 400	1,664	0,33	
6 780	1	6 780	1,763	0,35	
7 200	4	28 800	7,488	1,50	
<b>Sum:</b>	<b>74</b>	<b>211 968</b>	<b>55,112</b>	<b>11,02</b>	

280	Length	Qty (pcs.)	Total Length	Area(m2)	Volume(m3)
	230	4	920	0,258	0,05
	260	1	260	0,073	0,01
	610	2	1 220	0,342	0,07
	650	1	650	0,182	0,04
	780	1	780	0,218	0,04
	810	2	1 620	0,454	0,09
	830	1	830	0,232	0,05
	830	1	830	0,232	0,05
	990	2	1 980	0,554	0,11
	1 280	2	2 560	0,717	0,14
	1 430	1	1 430	0,400	0,08
	1 680	2	3 360	0,941	0,19
	1 960	1	1 960	0,549	0,11
	2 260	2	4 520	1,266	0,25
	2 730	2	5 460	1,529	0,31
	2 800	1	2 800	0,784	0,16
	2 830	2	5 660	1,585	0,32
	2 850	2	5 700	1,596	0,32
	2 860	2	5 720	1,602	0,32
	2 900	2	5 800	1,624	0,32
	3 030	2	6 060	1,697	0,34
	3 057	1	3 057	0,856	0,17
	3 130	2	6 260	1,753	0,35
	3 280	1	3 280	0,918	0,18
	3 650	1	3 650	1,022	0,20
	3 880	2	7 760	2,173	0,43
	4 100	1	4 100	1,148	0,23
	4 400	1	4 400	1,232	0,25
	4 410	1	4 410	1,235	0,25

4 430	1	4 430	1,240	0,25	
4 550	1	4 550	1,274	0,25	
4 648	1	4 648	1,301	0,26	
5 100	5	25 500	7,140	1,43	
6 300	3	18 900	5,292	1,06	
6 330	1	6 330	1,772	0,35	
6 558	2	13 116	3,672	0,73	
7 200	6	43 200	12,096	2,42	
<b>Sum:</b>	<b>66</b>	<b>217 710</b>	<b>60,959</b>	<b>12,19</b>	

<b>300</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Total Length</b>	<b>Area(m2)</b>	<b>Volume(m3)</b>	
	230	3	690	0,207	0,04	
	260	1	260	0,078	0,02	
	600	1	600	0,180	0,04	
	610	2	1 220	0,366	0,07	
	830	2	1 660	0,498	0,10	
	990	1	990	0,297	0,06	
	1 210	1	1 210	0,363	0,07	
	1 280	2	2 560	0,768	0,15	
	1 800	1	1 800	0,540	0,11	
	2 400	1	2 400	0,720	0,14	
	2 830	1	2 830	0,849	0,17	
	2 850	2	5 700	1,710	0,34	
	2 900	1	2 900	0,870	0,17	
	3 230	1	3 230	0,969	0,19	
	3 510	1	3 510	1,053	0,21	
	3 600	1	3 600	1,080	0,22	
	3 900	1	3 900	1,170	0,23	
	4 800	2	9 600	2,880	0,58	
	5 100	3	15 300	4,590	0,92	
	5 400	1	5 400	1,620	0,32	
	6 300	2	12 600	3,780	0,76	
	6 700	2	13 400	4,020	0,80	
	7 200	4	28 800	8,640	1,73	
	<b>Sum:</b>	<b>37</b>	<b>124 160</b>	<b>37,248</b>	<b>7,45</b>	

<b>320</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Total Length</b>	<b>Area(m2)</b>	<b>Volume(m3)</b>	
	230	1	230	0,074	0,01	
	260	1	260	0,083	0,02	
	600	1	600	0,192	0,04	
	780	1	780	0,250	0,05	
	810	2	1 620	0,518	0,10	
	830	1	830	0,266	0,05	
	830	1	830	0,266	0,05	
	990	1	990	0,317	0,06	
	1 430	1	1 430	0,458	0,09	
	2 260	1	2 260	0,723	0,14	
	2 700	2	5 400	1,728	0,35	
	2 830	1	2 830	0,906	0,18	
	2 860	2	5 720	1,830	0,37	
	2 900	1	2 900	0,928	0,19	
	3 130	2	6 260	2,003	0,40	
	3 230	1	3 230	1,034	0,21	
	3 600	1	3 600	1,152	0,23	
	4 410	1	4 410	1,411	0,28	
	4 800	2	9 600	3,072	0,61	
	5 100	1	5 100	1,632	0,33	
	5 400	2	10 800	3,456	0,69	
	6 360	2	12 720	4,070	0,81	
	6 700	2	13 400	4,288	0,86	
	7 200	4	28 800	9,216	1,84	
	<b>Sum:</b>	<b>35</b>	<b>124 600</b>	<b>39,872</b>	<b>7,97</b>	

<b>340</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Total Length</b>	<b>Area(m2)</b>	<b>Volume(m3)</b>	
	1 579	1	1 579	0,537	0,11	
	1 680	2	3 360	1,142	0,23	
	1 960	1	1 960	0,666	0,13	
	2 202	2	4 403	1,497	0,30	
	3 262	1	3 262	1,109	0,22	
	3 885	2	7 770	2,642	0,53	
	<b>Sum:</b>	<b>9</b>	<b>22 333</b>	<b>7,593</b>	<b>1,52</b>	

<b>Total sum:</b>	276	864 861	<b>238,428</b>	47,69	
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<b>Sets of steel bracing:</b>	<b>34 pcs.</b>
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SQ.M. WALLS

<b>Project:</b>		<b>Notes:</b>
<b>Date:</b>	2015.07.29.	
<b>Designer:</b>	Name, Surname	

**WALL DETAILS (listed by location):**

<b>Location:</b>	<b>KMD_1</b>
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<b>Profile:</b>	<b>Grooved</b>	<b>H=</b>	<b>140 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
				230	1	0,0322
				260	1	0,0364
				700	1	0,098
				990	1	0,1386
				2 900	1	0,406
				2 930	1	0,4102
				3 130	2	0,8764
				3 330	1	0,4662
				3 700	1	0,518
				4 500	1	0,63
<b>Sum:</b>				<b>25 800</b>	<b>11</b>	<b>3,612</b>

<b>Profile:</b>	<b>Grooved</b>	<b>H=</b>	<b>240 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
				230	1	0,0552
				260	1	0,0624
				600	1	0,144
				780	1	0,1872
				810	1	0,1944
				830	2	0,3984
				990	1	0,2376
				1 430	1	0,3432
				2 260	1	0,5424
				2 830	1	0,6792
				2 860	1	0,6864
				2 900	1	0,696
				3 130	2	1,5024
				3 230	1	0,7752
				3 600	1	0,864
				4 410	1	1,0584
				5 100	1	1,224
<b>Sum:</b>				<b>40 210</b>	<b>19</b>	<b>9,650</b>

<b>Profile:</b>	<b>Grooved</b>	<b>H=</b>	<b>260 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
				230	5	0,299
				260	3	0,2028
				600	3	0,468
				610	3	0,4758
				780	2	0,4056
				810	2	0,4212
				830	2	0,4316
				990	2	0,5148
				1 210	1	0,3146
				1 280	2	0,6656
				1 380	1	0,3588
				1 430	1	0,3718
				1 850	1	0,481
				2 160	1	0,5616
				2 260	2	1,1752
				2 800	1	0,728

2 830	2	1,4716	
2 850	3	2,223	
2 860	1	0,7436	
2 880	1	0,7488	
2 900	2	1,508	
2 960	1	0,7696	
3 000	1	0,78	
3 080	2	1,6016	
3 130	2	1,6276	
3 230	3	2,5194	
3 510	1	0,9126	
3 600	3	2,808	
4 400	1	1,144	
4 410	1	1,1466	
5 100	1	1,326	
5 200	2	2,704	
5 450	1	1,417	
6 400	1	1,664	
6 780	1	1,7628	
7 200	1	1,872	
<b>Sum:</b>	<b>148 560</b>	<b>63</b>	<b>38,626</b>

<b>Profile:</b>	<b>Grooved</b>	<b>H=</b>	<b>280 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>	
				230	4	0,2576	
				260	1	0,0728	
				610	2	0,3416	
				650	1	0,182	
				780	1	0,2184	
				810	2	0,4536	
				830	1	0,2324	
				830	1	0,2324	
				990	2	0,5544	
				1 280	2	0,7168	
				1 430	1	0,4004	
				2 260	2	1,2656	
				2 730	1	0,7644	
				2 800	1	0,784	
				2 830	2	1,5848	
				2 850	2	1,596	
				2 860	2	1,6016	
				2 900	2	1,624	
				3 030	2	1,6968	
				3 130	2	1,7528	
				3 280	1	0,9184	
				3 650	1	1,022	
				3 880	1	1,0864	
				4 400	1	1,232	
				4 410	1	1,2348	
				4 430	1	1,2404	
				4 550	1	1,274	
				5 100	3	4,284	
				6 300	1	1,764	
				7 200	1	2,016	
				<b>Sum:</b>	<b>115 730</b>	<b>46</b>	<b>32,404</b>

<b>Profile:</b>	<b>Grooved</b>	<b>H=</b>	<b>300 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
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230	3	0,207
260	1	0,078
600	1	0,18
610	2	0,366
830	2	0,498
990	1	0,297
1 210	1	0,363
1 280	2	0,768
1 800	1	0,54
2 400	1	0,72
2 830	1	0,849
2 850	2	1,71
2 900	1	0,87
3 230	1	0,969
3 510	1	1,053
3 600	1	1,08
3 900	1	1,17
5 100	1	1,53
5 400	1	1,62
<b>Sum:</b>	<b>49 560</b>	<b>25</b>
		<b>14,868</b>

<b>Profile:</b>	<b>Grooved</b>	<b>H=</b>	<b>320 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
				230	1	0,0736
				260	1	0,0832
				600	1	0,192
				780	1	0,2496
				810	2	0,5184
				830	1	0,2656
				830	1	0,2656
				990	1	0,3168
				1 430	1	0,4576
				2 260	1	0,7232
				2 830	1	0,9056
				2 860	2	1,8304
				2 900	1	0,928
				3 130	2	2,0032
				3 230	1	1,0336
				3 600	1	1,152
				4 410	1	1,4112
				5 100	1	1,632
				<b>Sum:</b>	<b>43 880</b>	<b>21</b>
						<b>14,042</b>
				<b>Sum KMD_1_:</b>	<b>423 740</b>	<b>185</b>
						<b>113,202</b>

**Location:** KMD\_2

<b>Profile:</b>	<b>Full</b>	<b>H=</b>	<b>240 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
				1 860	1	0,4464
				2 160	1	0,5184
				3 600	1	0,864003
				3 660	2	1,7568
				4 130	1	0,9912
				6 330	1	1,5192
				6 660	4	6,3936
				7 600	1	1,824
				<b>Sum:</b>	<b>59 640</b>	<b>12</b>
						<b>14,314</b>

<b>Profile:</b>	<b>Full</b>	<b>H=</b>	<b>280 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
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			1 900	2	1,064
			2 530	1	0,7084
			6 630	1	1,8564
		<b>Sum:</b>	<b>12 960</b>	<b>4</b>	<b>3,629</b>
<b>Profile:</b>	<b>Full</b>	<b>H= 300 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
			2 700	2	1,62
		<b>Sum:</b>	<b>5 400</b>	<b>2</b>	<b>1,620</b>
<b>Profile:</b>	<b>Grooved</b>	<b>H= 240 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
			1 671	1	0,400986
			1 860	1	0,4464
			2 160	1	0,5184
			2 800	1	0,672
			3 880	1	0,9312
		<b>Sum:</b>	<b>12 371</b>	<b>5</b>	<b>2,969</b>
<b>Profile:</b>	<b>Grooved</b>	<b>H= 260 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
			2 730	1	0,7098
			5 100	2	2,652
			6 300	2	3,276
			7 200	2	3,744
		<b>Sum:</b>	<b>39 930</b>	<b>7</b>	<b>10,382</b>
<b>Profile:</b>	<b>Grooved</b>	<b>H= 280 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
			1 680	2	0,9408
			1 960	1	0,5488
			2 730	1	0,7644
			3 057	1	0,855911
			3 880	1	1,0864
			4 100	1	1,148
			5 100	2	2,856
			6 300	2	3,528
			6 330	1	1,7724
			7 200	5	10,08
		<b>Sum:</b>	<b>84 217</b>	<b>17</b>	<b>23,581</b>
<b>Profile:</b>	<b>Grooved</b>	<b>H= 300 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
			4 800	2	2,88
			5 100	2	3,06
			6 300	2	3,78
			6 700	2	4,02
			7 200	2	4,32
		<b>Sum:</b>	<b>60 200</b>	<b>10</b>	<b>18,060</b>
<b>Profile:</b>	<b>Grooved</b>	<b>H= 320 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
			5 400	2	3,456
			6 360	2	4,0704
			7 200	4	9,216
		<b>Sum:</b>	<b>52 320</b>	<b>8</b>	<b>16,742</b>
<b>Profile:</b>	<b>Grooved</b>	<b>H= 340 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
			1 680	2	1,1424
			1 960	1	0,6664
		<b>Sum:</b>	<b>5 320</b>	<b>3</b>	<b>1,809</b>
		<b>Sum KMD_2_:</b>	<b>332 358</b>	<b>68</b>	<b>93,105</b>

**Location:** KMD\_3

<b>Profile:</b>	<b>Full</b>	<b>H= 240 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
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			3 854	2	1,84985
		<b>Sum:</b>	7 708	2	1,850
<b>Profile:</b>	<b>Grooved</b>	<b>H= 260 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
			5 172	2	2,68933
			5 935	1	1,54307
			7 200	1	1,872
		<b>Sum:</b>	23 478	4	6,104
<b>Profile:</b>	<b>Grooved</b>	<b>H= 280 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
			4 648	1	1,30139
			6 558	2	3,67239
		<b>Sum:</b>	17 764	3	4,974
<b>Profile:</b>	<b>Grooved</b>	<b>H= 300 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
			7 200	2	4,32
		<b>Sum:</b>	14 400	2	4,320
<b>Profile:</b>	<b>Grooved</b>	<b>H= 320 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
			2 700	2	1,728
			4 800	2	3,072
			6 700	2	4,288
		<b>Sum:</b>	28 400	6	9,088
<b>Profile:</b>	<b>Grooved</b>	<b>H= 340 mm</b>	<b>Length</b>	<b>Qty (pcs.)</b>	<b>Area (m2)</b>
			1 579	1	0,536767
			2 202	2	1,49715
			3 262	1	1,10901
			3 885	2	2,64163
		<b>Sum:</b>	17 013	6	5,785
		<b>Sum KMD_3_:</b>	108 763	23	32,121
		<b>Total sum:</b>	864 861	276	238,428

1) SQ.M. WALLS

<b>Project:</b>		<b>Notes:</b>
<b>Date:</b>	2015.07.29.	
<b>Designer:</b>	Name, Surname	

**PURLINS, COLUMNS & BEAMS:**

<b>Beams</b>									
Length	Width	Height	Diameter	Quantity pcs.	Total length	Area m2	Volume m3	Notes	
1 075	200	150			2 149	0,322	0,0645		
1 837	200	150			3 673	0,551	0,1102		
2 546	150	150			5 092	0,573	0,1146		
2 546	200	150			15 276	2,291	0,4583		
<b>Sum:</b>				<b>12</b>	<b>26 190</b>	<b>3,738</b>	<b>0,7475</b>		

2) SQ.M. BEAMS

<b>Purlins</b>									
Length	Width	Height	Diameter	Quantity pcs.	Total length	Area m2	Volume m3	Notes	
1 900			240	1	1 900	0,456	0,0860		
2 700					8 100	2,754	0,7354		
4 800					14 400	4,896	1,3074		
6 700					13 400	4,288	1,0777		
6 700					20 100	6,834	1,8249		
7 500			320	2	15 000	4,704	1,2064		
<b>Sum:</b>				<b>14</b>	<b>72 900</b>	<b>24,028</b>	<b>6,2378</b>		

3) SQ.M. PURLINS

<b>Columns</b>									
Length	Width	Height	Diameter	Quantity pcs.	Total length	Area m2	Volume m3	Notes	
700	200	100		1	700	0,140	0,0140		
1 510	250	250		1	1 510	0,378	0,0944		
1 600	200	100		1	1 600	0,320	0,0320		
1 600	330	200		2	3 200	1,056	0,2112		
2 390	200	200		1	2 390	0,478	0,0956		
2 790	250	250		2	5 580	1,395	0,3487		
3 570	250	250		4	14 280	3,512	0,8925		
<b>Sum:</b>				<b>12</b>	<b>29 260</b>	<b>7,337</b>	<b>1,6884</b>		

4) SQ.M. COLUMNS

**TOTAL SQ.M. OF LOGS:**

$$1 + 2 + 3 + 4 = 273,531$$

<b>Project:</b>		<b>Notes:</b>
<b>Date:</b>	2015.07.29.	
<b>Designer:</b>	Name, Surname	

### RAFTERS AND LATHING:

■ <b>Rafters</b> <i>Type of tail-end: Bow ( 22,00° )</i>					<i>Notes</i>
	<b>Dimensions</b>	<b>Quantity (pcs.)</b>	<b>Total length (m)</b>	<b>Volume (m3)</b>	
	50 x 200 x 2 598	10	25,983	0,2598	
	50 x 200 x 4 540	53	240,600	2,4060	
	<b>Total:</b>	<b>63</b>	<b>266,582</b>	<b>2,6658</b>	
	<i>Spare rafters:</i>				
■ <b>Boards in between</b>					<i>Notes</i>
	<b>Dimensions</b>	<b>Quantity (pcs.)</b>	<b>Total length (m)</b>	<b>Volume (m3)</b>	
	50 x 200 x 550	63	34,650	0,3465	
■ <b>Slats over boards</b>					<i>Notes</i>
	<b>Dimensions</b>	<b>Quantity (pcs.)</b>	<b>Total length (m)</b>	<b>Volume (m3)</b>	
	10 x 48 x 550	126	69,3	0,0346	
■ <b>Slats to fasten diff. membrane</b>					<i>Notes</i>
	<b>Size</b>	<b>Total length (m)</b>	<b>Volume (m3)</b>		
	10 x 48	286,310	0,1374		
■ <b>Roof lathing</b>					<i>Notes</i>
	<b>Size</b>	<b>Total length (m)</b>	<b>Volume (m3)</b>		
	48 x 48	640,730	1,4762		

*2 layers are included in the set!  
Price for extra lathing: **370 EUR/m3***

*Rafters: 400 EUR/m3*

<b>Project:</b>		<b>Notes:</b>
<b>Date:</b>	2015.07.29.	
<b>Designer:</b>	Name, Surname	

**CLAMPING SET, BELOW RAFTERS:**

<i>Material</i>	<b>Size</b>	<b>Total length (m)</b>	<b>Volume (m3)</b>
■ <b>Slats</b>	10 x48	97,900	0,0470
■ <b>Rails</b>	48 x96	70,840	0,3264
■ <b>Battens</b>	48 x48	97,900	0,2256
■ <b>Wedge scantlings</b>	38 x50	65,306	0,1241
<b>Z groove. Total length:</b>			<b>32,200 m</b>
Thick isolation! Additional laths (48x48) equals to total length of rafters:			

<b>Project:</b>		<b>Notes:</b>
<b>Date:</b>	2015.07.29.	
<b>Designer:</b>	Name, Surname	

**SETS FOR APERTURES:**

	<b>Notes</b>
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**Length:**

Dimensions	Quantity (pcs.)	Total length ( )	Volume ( )
x x 0			
x x 0			

**Number of sets:**

Sets:	Size	Total length ( )	Volume ( )
	x		
	x		

<b>■ Side board (50 x190) grooved for lath (48x58):</b>	<b>Notes</b>
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**Length: 0,720 m**

Dimensions	Quantity (pcs.)	Total length (m)	Volume (m3)
50 x 190 x 720	2	1,440	0,0137
48 x 58 x 720	2	1,440	0,0040

**Number of sets: 2**

**Length: 0,920 m**

Dimensions	Quantity (pcs.)	Total length (m)	Volume (m3)
50 x 190 x 920	4	3,680	0,0350
48 x 58 x 920	4	3,680	0,0102

**Number of sets: 4**

**Length: 1,320 m**

Dimensions	Quantity (pcs.)	Total length (m)	Volume (m3)
50 x 190 x 1 320	4	5,280	0,0502
48 x 58 x 1 320	4	5,280	0,0147

**Number of sets: 4**

**Length: 1,620 m**

Dimensions	Quantity (pcs.)	Total length (m)	Volume (m3)
50 x 190 x 1 620	4	6,480	0,0616
48 x 58 x 1 620	4	6,480	0,0180

**Number of sets: 4**

Sets: 14	Size	Total length (m)	Volume (m3)
	50 x 190	16,880	0,1604
	48 x 58	16,880	0,0470

<b>Side board (20 x190) grooved for lath (48x58):</b>	<b>Notes</b>
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**Length: 2,130 m**

Dimensions	Quantity (pcs.)	Total length (m)	Volume (m3)
20 x 190 x 2 130	2	4,260	0,0162
48 x 58 x 2 130	2	4,260	0,0119

**Number of sets: 2**

Sets: 2	Size	Total length (m)	Volume (m3)
	20 x 190	4,260	0,0162
	48 x 58	4,260	0,0119

<b>Length: 2,130 m</b>			
Dimensions	Quantity (pcs.)	Total length (m)	Volume (m3)
50 x 190 x 2 130	6	12,780	0,1214
48 x 58 x 2 130	6	12,780	0,0356

**Number of sets: 6**

<b>Length: 2,230 m</b>			
Dimensions	Quantity (pcs.)	Total length (m)	Volume (m3)
50 x 190 x 2 230	4	8,920	0,0847
48 x 58 x 2 230	4	8,920	0,0248

**Number of sets: 4**

<b>Sets: 10</b>	<b>Size</b>	<b>Total length (m)</b>	<b>Volume (m3)</b>
	50 x 190	21,700	0,2062
	48 x 58	21,700	0,0604

<b>Side board (20 x190) grooved for lath (48x58):</b>	<b>Notes</b>
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<b>Length: 2,240 m</b>			
Dimensions	Quantity (pcs.)	Total length (m)	Volume (m3)
20 x 190 x 2 240	1	2,240	0,0085
48 x 58 x 2 240	1	2,240	0,0062

**Number of sets: 1**

<b>Sets: 1</b>	<b>Size</b>	<b>Total length (m)</b>	<b>Volume (m3)</b>
	20 x 190	2,240	0,0085
	48 x 58	2,240	0,0062

<b>Total sum:</b>	<b>Sets:</b>	<b>27 pcs.</b>	
	<b>Volume:</b>	<b>0,517 m3</b>	
	<b>Incl. laths: 48 x 58</b>	<b>45,080 m</b>	
		<b>0,126 m3</b>	

<b>Project:</b>		<b>Notes:</b>
<b>Date:</b>	2015.07.29.	
<b>Designer:</b>	Name, Surname	

**WALL REINFORCING PINS:**

<b>Octahedron</b>			<b>Notes</b>
	<b>Size</b>	<b>Total length ( )</b>	<b>Volume ( )</b>
	x		

<b>■ Octahedron</b>			<b>Notes</b>
	<b>Size</b>	<b>Total length ( m )</b>	<b>Volume ( m3 )</b>
	58 x 58	172,353	0,5798