

**Table S1.** WBS for construction phase and detailed schedule for the construction phase.

WBS Level Name	Duration
<b>Production Hall</b>	<b>60 d</b>
<b>1. Site Preparation Works</b>	<b>8 d</b>
1.1. Material delivery	8 d
1.1.1. Formwork delivery	1 d
1.1.2. Reinforcement delivery	3 d
1.1.3. Steel construction delivery	1 d
1.1.4. Facade panels delivery	1 d
1.1.5. Roof panels delivery	2 d
<b>2. Construction Works</b>	<b>58 d</b>
2.1. Offices	38 d
2.1.1. Foundations	5 d
2.1.1.1. Slab foundations	5 d
2.1.1.1.1. Formwork and reinforcement installation	2 d
2.1.1.1.1. Concrete works	1 d
2.1.1.1.1. Formwork dismantling	1 d
2.1.2. Ground floor	34 d
2.1.2.1. Steel columns	4 d
2.1.2.1.1. Assembly	4 d
2.1.2.2. Steel beams	2 d
2.1.2.2.1. Assembly	2 d
2.1.2.3. L-profile	1 d
2.1.2.3.1. Assembly	1 d
2.1.2.4. Slab and stairs	12 d
2.1.2.4.1. Formwork and reinforcement installation	4 d
2.1.2.4.2. Concrete works	1 d
2.1.2.4.3. Formwork dismantling	2 d
2.1.2.5. Facade panels	2 d
2.1.2.5.1. Assembly	2 d
2.1.2.6. Partition walls	8 d
2.1.2.6.1. Assembly	8 d
2.1.3. First floor	3 d
2.1.3.1. Steel columns	2 d
2.1.3.1.1. Assembly	2 d
2.1.3.2. Steel beams	1 d
2.1.3.2.1. Assembly	1 d
2.1.4. Roof	7 d
2.1.4.1. Roof frame rafter	1 d
2.1.4.1.1 assembly	1 d
2.1.4.2. Roof purlin	2 d
2.1.4.2.1. Assembly	2 d
2.1.4.3. Roof bracing	1 d
2.1.4.3.1. Assembly	1 d
2.1.4.4. Roof panels	3 d
2.1.4.4.1. Assembly	3 d
2.2. Production plant	56 d
2.2.1. Foundations	13 d
2.2.1.1. Slab foundations	13 d

2.2.1.1.1. Formwork and reinforcement installation	10 d
2.2.1.1.2. Concrete works	2 d
2.2.1.1.3. Formwork dismantling	2 d
<b>2.2.2. Ground floor</b>	<b>40 d</b>
2.2.2.1. Steel columns	4 d
2.2.2.1.1. Assembly	4 d
2.2.2.2. Steel beams	3 d
2.2.2.2.1. Assembly	3 d
2.2.2.3. L-profile	1 d
2.2.2.3.1. Assembly	1 d
2.2.2.4. Facade panels	3 d
2.2.2.4.1. Assembly	3 d
<b>2.2.3. Roof</b>	<b>25 d</b>
2.2.3.1. Roof frame rafter	2 d
2.2.3.1.1. Assembly	2 d
2.2.3.2. Roof purlin	4 d
2.2.3.2.1. Assembly	4 d
2.2.3.3. Roof bracing	1 d
2.2.3.3.1. Assembly	1 d
2.2.3.4. Roof panels	3 d
2.2.3.4.1. Assembly	3 d
<b>2.3. Warehouse</b>	<b>13 d</b>
<b>2.3.1. Ground floor</b>	<b>13 d</b>
2.3.1.1. Steel columns	2 d
2.3.1.1.1. Assembly	2 d
2.3.1.2. Steel beams	2 d
2.3.1.2.1. Assembly	2 d
2.3.1.3. L-profile	1 d
2.3.1.3.1. Assembly	1 d
2.3.1.4. Facade panels	2 d
2.3.1.4.1. Assembly	2 d
<b>2.3.2. Roof</b>	<b>7 d</b>
2.3.2.1. Roof frame rafter	1 d
2.3.2.1.1. Assembly	1 d
2.3.2.2. Roof purlin	2 d
2.3.2.2.1. Assembly	2 d
2.3.2.3. Roof bracing	2 d
2.3.2.3.1. Assembly	2 d
2.3.2.4. Roof panels	2 d
2.3.2.4.1. Assembly	2 d
<b>3. Site Demobilization Works</b>	<b>1 d</b>
<b>3.1. Material and equipment removal</b>	<b>1 d</b>
3.1.1. Auto crane departure	2 d
3.1.2. Formwork removal	1 d

**Table S2.** Detailed schedule for site logistics planning in the BIM environment (mobilization phase).

No	WBS Level Name	Predecessors	Material	Machinery	Duration
1	<b>Production Hall</b>				60 d
2	<b>1. Site Preparation Works</b>				8 d
3	1.1. Material delivery				8 d
4	1.1.1. Formwork delivery				1 d
5	1.1.1.1. Truck arrival	-	Material on the truck	Truck	2 h
6	1.1.1.2. Forklift positioning for unloading	SS5		Forklift	2 h
7	1.1.1.3. Truck stop (during unloading)	FS6	Material disappears from the truck	Truck	4 h
8	1.1.1.4. Forklift repositioning (during unloading)	SS7	Material on the forklift Material appears in the stock	Forklift	4 h
9	1.1.1.5. Truck departure	FS8		Truck	2 h
10	1.1.2. Reinforcement delivery				3 d
11	1.1.2.1. Truck arrival	FS9	Material on the truck	Truck	6 h
12	1.1.2.2. Forklift positioning for unloading	SS11		Forklift	6 h
13	1.1.2.3. Truck stop (during unloading)	FS12	Material disappears from the truck	Truck	12 h
14	1.1.2.4. Forklift repositioning (during unloading)	SS13	Material on the forklift Material appears in the stock	Forklift	12 h
15	1.1.2.5. Truck departure	FS14		Truck	6 h
16	1.1.3. Steel construction delivery				1 d
17	1.1.3.1. Truck arrival	FS15	Material on the truck	Truck	2 h
18	1.1.3.2. Forklift positioning for unloading	SS17		Forklift	2 h
19	1.1.3.3. Truck stop (during unloading)	FS18	Material disappears from the truck	Truck	4 h
20	1.1.3.4. Forklift repositioning (during unloading)	SS19	Material on the forklift Material appears in the stock	Forklift	4 h
21	1.1.3.5. Truck departure	FS20		Truck	2 h
22	1.1.4. Facade panels delivery				1 d
23	1.1.4.1. Truck arrival	FS21	Material on the truck	Truck	2 h
24	1.1.4.2. Forklift positioning for unloading	SS23		Forklift	2 h
25	1.1.4.3. Truck stop (during unloading)	FS24	Material disappears from the truck	Truck	4 h
26	1.1.4.4. Forklift repositioning (during unloading)	SS25	Material on the forklift Material appears in the stock	Forklift	4 h
27	1.1.4.5. Truck departure	FS26		Truck	2 h
28	1.1.5. Roof panels delivery				2 d
29	1.1.5.1. Truck arrival	FS27	Material on the truck	Truck	4 h
30	1.1.5.2. Forklift positioning for unloading	SS29		Forklift	4 h
31	1.1.5.3. Truck stop (during unloading)	FS30	Material disappears from the truck	Truck	8 h
32	1.1.5.4. Forklift repositioning (during unloading)	SS31	Material on the forklift Material appears in the stock	Forklift	8 h
33	1.1.5.5. Truck departure	FS32		Truck	4 h
34	<b>2. Construction Works</b>				58 d
35	2.1. Offices				38 d
36	2.1.1. Foundations				5 d
37	2.1.1.1. Slab foundations				5 d

38	2.1.1.1.1. Formwork and reinforcement installation				2 d
39	2.1.1.1.1.1. Formwork installation	FS9	Material appears at the place of the future element Material disappears from the stock		8 h
40	2.1.1.1.1.2. Reinforcement installation	SS11 + 1 d; SS39	Material appears at the place of the future element Material disappears from the stock		16 h
41	2.1.1.1.1. Concrete works				1 d
42	2.1.1.1.1.1. Truck mixer arrival	FS39; FS40		Truck mixer	2 h
43	2.1.1.1.1.2. Truck mixer stop (concrete works)	FS42	Material appears at the place of the future element	Truck mixer	4 h
44	2.1.1.1.1.3. Truck mixer departure	FS43		Truck mixer	2 h
45	2.1.1.1.1. Formwork dismantling				1 d
46	2.1.1.1.1.1. Formwork dismantling	FS44 + 1 d	Material appears in the stock		8 h
47	2.1.2. Ground floor				34 d
48	2.1.2.1. Steel columns				4 d
49	2.1.2.1.1. Assembly				4 d
50	2.1.2.1.1.1. Mobile crane arrival and positioning	FS21; FS46		Mobile crane	8 h
51	2.1.2.1.1.2. Forklift repositioning for assembly	SS50		Forklift	8 h
52	2.1.2.1.1.3. Mobile crane stop (during assembly)	FS51	Material appears at the place of the future element	Mobile crane	24 h
53	2.1.2.1.1.4. Forklift repositioning (during assembly)	SS52	Material on the forklift Material disappears from the stock	Forklift	24 h
54	2.1.2.2. Steel beams				2 d
55	2.1.2.2.1. Assembly				2 d
56	2.1.2.2.1.1. Mobile crane stop (during assembly)	FS53	Material appears at the place of the future element	Mobile crane	16 h
57	2.1.2.2.1.2. Forklift repositioning (during assembly)	SS56	Material on the forklift Material disappears from the stock	Forklift	16 h
58	2.1.2.3. L-profile				1 d
59	2.1.2.3.1. Assembly				1 d
60	2.1.2.3.1.1. Element assembly	SS56	Material appears at the place of the future element Material disappears from the stock		8 h
61	2.1.2.4. Slab and stairs				12 d
62	2.1.2.4.1. Formwork and reinforcement installation				4 d
63	2.1.2.4.1.1. Formwork installation	FS57	Material appears at the place of the future element Material disappears from the stock		32 h

64	2.1.2.4.1.2. Reinforcement installation	SS63	Material appears at the place of the future element Material disappears from the stock	Mobile crane	32 h
65	2.1.2.4.2. Concrete works				1 d
66	2.1.2.4.2.1. Truck concrete pump arrival	FS63; FS64		Truck concrete pump	2 h
67	2.1.2.4.2.2. Truck mixer arrival	SS66		Truck mixer	2 h
68	2.1.2.4.2.3. Truck mixer and truck concrete pump stop (concrete works)	FS67	Material appears at the place of the future element	Truck mixer Truck concrete pump	4 h
69	2.1.2.4.2.4. Truck concrete pump departure	FS68		Truck concrete pump	2 h
70	2.1.2.4.2.5. Truck mixer departure	SS69		Truck mixer	2 h
71	2.1.2.4.3. Formwork dismantling				2 d
72	2.1.2.4.3.1. Formwork dismantling	FS70 + 7 d	Material appears at the place of the future element Material disappears from the stock		16 h
73	2.1.2.5. Facade panels				2 d
74	2.1.2.5.1. Assembly				2 d
75	2.1.2.5.1.1. Mobile crane stop (during assembly)—1 tact	FS119	Material appears at the place of the future element	Mobile crane	7 h
76	2.1.2.5.1.2. Forklift repositioning (during assembly)—1 tact	SS75	Material on the forklift Material disappears from the stock	Forklift	7 h
77	2.1.2.5.1.3. Mobile crane positioning—tact 2	FS76		Mobile crane	2 h
78	2.1.2.5.1.4. Forklift repositioning for assembly—tact 2	SS77		Forklift	2 h
79	2.1.2.5.1.5. Mobile crane stop (during assembly)—tact 2	FS78	Material appears at the place of the future element	Mobile crane	7 h
80	2.1.2.5.1.6. Forklift repositioning (during assembly)—tact 2	SS79	Material on the forklift Material disappears from the stock	Forklift	7 h
81	2.1.2.6. Partition walls				8 d
82	2.1.2.6.1. Assembly				8 d
83	2.1.2.6.1.1. Truck arrival	FS72; FS80	Material on the truck	Truck	2 h
84	2.1.2.6.1.2. Truck stop (during unloading)	FS83	Material disappears from the truck Material appears in the stock	Truck	4 h
85	2.1.2.6.1.3. Truck departure	FS84		Truck	2 h
86	2.1.2.6.1.4. Element assembly	FS85	Material appears at the place of the future element		56 h
87	2.1.3. First floor				3 d
88	2.1.3.1. Steel columns				2 d
89	2.1.3.1.1. Assembly				2 d
90	2.1.3.1.1.1. Mobile crane positioning	FS70; FS146		Mobile crane	2 h
91	2.1.3.1.1.2. Forklift repositioning for assembly	SS90		Forklift	2 h

92	2.1.3.1.1.3. Mobile crane stop (during assembly)	FS91	Material appears at the place of the future element	Mobile crane	14 h
93	2.1.3.1.1.4. Forklift repositioning (during assembly)	SS92	Material on the forklift Material disappears from the stock	Forklift	14 h
94	2.1.3.2. Steel beams				1 d
95	2.1.3.2.1. Assembly				1 d
96	2.1.3.2.1.1. Mobile crane stop (during assembly)	FS93	Material appears at the place of the future element	Mobile crane	8 h
97	2.1.3.2.1.2. Forklift repositioning (during assembly)	SS96	Material on the forklift Material disappears from the stock	Forklift	8 h
98	2.1.4. Roof				7 d
99	2.1.4.1. Roof frame rafter				1 d
100	2.1.4.1.1. Assembly				1 d
101	2.1.4.1.1.1. Mobile crane stop (during assembly)	FS97	Material appears at the place of the future element	Mobile crane	8 h
102	2.1.4.1.1.2. Forklift repositioning (during assembly)	SS101	Material on the forklift Material disappears from the stock	Forklift	8 h
103	2.1.4.2. Roof purlin				2 d
104	2.1.4.2.1. Assembly				2 d
105	2.1.4.2.1.1. Mobile crane stop (during assembly)	FS102	Material appears at the place of the future element	Mobile crane	8 h
106	2.1.4.2.1.2. Forklift repositioning (during assembly)	SS105	Material on the forklift Material disappears from the stock	Forklift	8 h
107	2.1.4.3. Roof bracing				1 d
108	2.1.4.3.1. Assembly				1 d
109	2.1.4.3.1.1. Element assembly	FS106	Material appears at the place of the future element Material disappears from the stock		8 h
110	2.1.4.4. Roof panels				3 d
111	2.1.4.4.1. Assembly				3 d
112	2.1.4.4.1.1. Mobile crane positioning—tact 1	FS109		Mobile crane	2 h
113	2.1.4.4.1.2. Forklift repositioning for assembly—tact 1	SS112		Forklift	2 h
114	2.1.4.4.1.3. Mobile crane stop (during assembly)—tact 1	FS113	Material appears at the place of the future element	Mobile crane	10 h
115	2.1.4.4.1.4. Forklift repositioning (during assembly)—tact 1	SS114	Material on the forklift Material disappears from the stock	Forklift	10 h
116	2.1.4.4.1.5. Mobile crane positioning—tact 2	FS115		Mobile crane	2 h
117	2.1.4.4.1.6. Forklift repositioning for assembly—tact 2	SS116		Forklift	2 h

118	2.1.4.4.1.7. Mobile crane stop (during assembly)—tact 2	FS117	Material appears at the place of the future element	Mobile crane	10 h
119	2.1.4.4.1.8. Forklift repositioning (during assembly)—tact 2	SS118	Material on the forklift Material disappears from the stock	Forklift	10 h
120	2.2. Production plant				56 d
121	2.2.1. Foundations				13 d
122	2.2.1.1. Slab foundations				13 d
123	2.2.1.1.1. Formwork and reinforcement installation				10 d
124	2.2.1.1.1.1. Formwork installation	FS63	Material appears at the place of the future element Material disappears from the stock		8 h
125	2.2.1.1.1.2. Reinforcement installation	FS64; SS124 + 1 d	Material appears at the place of the future element Material disappears from the stock		72 h
126	2.2.1.1.2. Concrete works				2 d
127	2.2.1.1.2.1. Truck mixer arrival	FS124; FS125		Truck mixer	2 h
128	2.2.1.1.2.2. Truck mixer stop (concrete works)	FS127	Material appears at the place of the future element	Truck mixer	12 h
129	2.2.1.1.2.3. Truck mixer departure	FS128		Truck mixer	2 h
130	2.2.1.1.3. Formwork dismantling				2 d
131	2.2.1.1.3.1. Formwork dismantling	FS129 + 1 d	Material appears in the stock		16 h
132	2.2.2. Ground floor				40 d
133	2.2.2.1. Steel columns				4 d
134	2.2.2.1.1. Assembly				4 d
135	2.2.2.1.1.1. Mobile crane positioning—tact 1	FS64; FS131		Mobile crane	2 h
136	2.2.2.1.1.2. Forklift repositioning for assembly—tact 1	SS135		Forklift	2 h
137	2.2.2.1.1.3. Mobile crane stop (during assembly)—tact 1	FS136	Material appears at the place of the future element		9 h
138	2.2.2.1.1.4. Forklift repositioning (during assembly)—tact 1	SS137	Material on the forklift Material disappears from the stock		9 h
139	2.2.2.1.1.5. Mobile crane positioning—tact 2	FS138		Mobile crane	2 h
140	2.2.2.1.1.6. Forklift repositioning for assembly—tact 2	SS139		Forklift	2 h
141	2.2.2.1.1.7. Mobile crane stop (during assembly)—tact 2	FS140	Material appears at the place of the future element		8 h

142	2.2.2.1.1.8. Forklift repositioning (during assembly)—tact 2	SS141	Material on the forklift Material disappears from the stock	8 h
143	2.2.2.1.1.9. Mobile crane positioning—tact 3	FS142	Mobile crane	2 h
144	2.2.2.1.1.10. Forklift repositioning for assembly—tact 3	SS143	Forklift	2 h
145	2.2.2.1.1.11. Mobile crane stop (during assembly)—tact 3	FS144	Material appears at the place of the future element	9 h
146	2.2.2.1.1.12. Forklift repositioning (during assembly)—tact 3	SS145	Material on the forklift Material disappears from the stock	9 h
147	2.2.2.2. Steel beams			3 d
148	2.2.2.2.1. Assembly			3 d
149	2.2.2.2.1.1. Mobile crane positioning—tact 1	FS80; FS146	Mobile crane	2 h
150	2.2.2.2.1.2. Forklift repositioning for assembly—tact 1	SS149	Forklift	2 h
151	2.2.2.2.1.3. Mobile crane stop (during assembly)—tact 1	FS150	Material appears at the place of the future element	6 h
152	2.2.2.2.1.4. Forklift repositioning (during assembly)—tact 1	SS151	Material on the forklift Material disappears from the stock	6 h
153	2.2.2.2.1.5. Mobile crane positioning—tact 2	FS152	Mobile crane	2 h
154	2.2.2.2.1.6. Forklift repositioning for assembly—tact 2	SS153	Forklift	2 h
155	2.2.2.2.1.7. Mobile crane stop (during assembly)—tact 2	FS154	Material appears at the place of the future element	6 h
156	2.2.2.2.1.8. Forklift repositioning (during assembly)—tact 2	SS155	Material on the forklift Material disappears from the stock	6 h
157	2.2.2.2.1.9. Mobile crane positioning—tact 3	FS156	Mobile crane	2 h
158	2.2.2.2.1.10. Forklift repositioning for assembly—tact 3	SS157	Forklift	2 h
159	2.2.2.2.1.11. Mobile crane stop (during assembly)—tact 3	FS158	Material appears at the place of the future element	6 h
160	2.2.2.2.1.12. Forklift repositioning (during assembly)—tact 3	SS159	Material on the forklift Material disappears from the stock	6 h
161	2.2.2.3. L-profile			1 d
162	2.2.2.3.1. Assembly			1 d
163	2.2.2.3.1.1. Element assembly	SS146	Material appears at the place of the future element Material disappears from the stock	8 h
164	2.2.2.4. Facade panels			3 d



165	2.2.2.4.1. Assembly			3 d
166	2.2.2.4.1.1. Mobile crane positioning—tact 1	FS254	Mobile crane	2 h
167	2.2.2.4.1.2. Forklift repositioning for assembly—tact 1	SS166	Forklift	2 h
168	2.2.2.4.1.3. Mobile crane stop (during assembly)—tact 1	FS167	Material appears at the place of the future element	4 h
169	2.2.2.4.1.4. Forklift repositioning (during assembly)—tact 1	SS168	Material on the forklift Material disappears from the stock	4 h
170	2.2.2.4.1.5. Mobile crane positioning—tact 2	FS169	Mobile crane	2 h
171	2.2.2.4.1.6. Forklift repositioning for assembly—tact 2	SS170	Forklift	2 h
172	2.2.2.4.1.7. Mobile crane stop (during assembly)—tact 2	FS171	Material appears at the place of the future element	4 h
173	2.2.2.4.1.8. Forklift repositioning (during assembly)—tact 2	SS172	Material on the forklift Material disappears from the stock	4 h
174	2.2.2.4.1.9. Mobile crane positioning—tact 3	FS173	Mobile crane	2 h
175	2.2.2.4.1.10. Forklift repositioning for assembly—tact 3	SS174	Forklift	2 h
176	2.2.2.4.1.11. Mobile crane stop (during assembly)—tact 3	FS175	Material appears at the place of the future element	4 h
177	2.2.2.4.1.12. Forklift repositioning (during assembly)—tact 3	SS176	Material on the forklift Material disappears from the stock	4 h
178	2.2.2.4.1.13. Mobile crane positioning—tact 4	FS177	Mobile crane	2 h
179	2.2.2.4.1.14. Forklift repositioning for assembly—tact 4	SS178	Forklift	2 h
180	2.2.2.4.1.15. Mobile crane stop (during assembly)—tact 4	FS179	Material appears at the place of the future element	4 h
181	2.2.2.4.1.16. Forklift repositioning (during assembly)—tact 4	SS180	Material on the forklift Material disappears from the stock	4 h
182	2.2.3. Roof			25 d
183	2.2.3.1. Roof frame rafter			2 d
184	2.2.3.1.1. Assembly			2 d
185	2.2.3.1.1.1. Mobile crane positioning—tact 1	FS160	Mobile crane	2 h
186	2.2.3.1.1.2. Forklift repositioning for assembly—tact 1	SS185	Forklift	2 h
187	2.2.3.1.1.3. Mobile crane stop (during assembly)—tact 1	FS186	Material appears at the place of the future element	6 h

188	2.2.3.1.1.4. Forklift repositioning (during assembly)—tact 1	SS187	Material on the forklift Material disappears from the stock	6 h
189	2.2.3.1.1.5. Mobile crane positioning—tact 2	FS188	Mobile crane	2 h
190	2.2.3.1.1.6. Forklift repositioning for assembly—tact 2	SS189	Forklift	2 h
191	2.2.3.1.1.7. Mobile crane stop (during assembly)—tact 2	FS190	Material appears at the place of the future element	6 h
192	2.2.3.1.1.8. Forklift repositioning (during assembly)—tact 2	SS191	Material on the forklift Material disappears from the stock	6 h
193	2.2.3.2. Roof purlin			4 d
194	2.2.3.2.1. Assembly			4 d
195	2.2.3.2.1.1. Mobile crane positioning—tact 1	FS192	Mobile crane	2 h
196	2.2.3.2.1.2. Forklift repositioning for assembly—tact 1	SS195	Forklift	2 h
197	2.2.3.2.1.3. Mobile crane stop (during assembly)—tact 1	FS196	Material appears at the place of the future element	6 h
198	2.2.3.2.1.4. Forklift repositioning (during assembly)—tact 1	SS197	Material on the forklift Material disappears from the stock	6 h
199	2.2.3.2.1.5. Mobile crane positioning—tact 2	FS198	Mobile crane	2 h
200	2.2.3.2.1.6. Forklift repositioning for assembly—tact 2	SS199	Forklift	2 h
201	2.2.3.2.1.7. Mobile crane stop (during assembly)—tact 2	FS200	Material appears at the place of the future element	6 h
202	2.2.3.2.1.8. Forklift repositioning (during assembly)—tact 2	SS201	Material on the forklift Material disappears from the stock	6 h
203	2.2.3.2.1.9. Mobile crane positioning—tact 3	FS202	Mobile crane	2 h
204	2.2.3.2.1.10. Forklift repositioning for assembly—tact 3	SS203	Forklift	2 h
205	2.2.3.2.1.11. Mobile crane stop (during assembly)—tact 3	FS204	Material appears at the place of the future element	6 h
206	2.2.3.2.1.12. Forklift repositioning (during assembly)—tact 3	SS205	Material on the forklift Material disappears from the stock	6 h
207	2.2.3.2.1.13. Mobile crane positioning—tact 4	FS206	Mobile crane	2 h
208	2.2.3.2.1.14. Forklift repositioning for assembly—tact 4	SS207	Forklift	2 h
209	2.2.3.2.1.15. Mobile crane stop (during assembly)—tact 4	FS208	Material appears at the place of the future element	6 h
210	2.2.3.2.1.16. Forklift repositioning (during assembly)—tact 4	SS209	Material on the forklift Material disappears from the stock	6 h

211	2.2.3.3. Roof bracing			1 d
212	2.2.3.3.1. Assembly			1 d
213	2.2.3.3.1.1. Element assembly	FS210	Material appears at the place of the future element Material disappears from the stock	8 h
214	2.2.3.4. Roof panels			3 d
215	2.2.3.4.1. Assembly			3 d
216	2.2.3.4.1.1. Mobile crane stop (during assembly)—tact 1	FS181	Material appears at the place of the future element	4.5 h
217	2.2.3.4.1.2. Forklift repositioning (during assembly)—tact 1	SS216	Material on the forklift Material disappears from the stock	4.5 h
218	2.2.3.4.1.3. Mobile crane positioning—tact 2	FS217		Mobile crane 2 h
219	2.2.3.4.1.4. Forklift repositioning for assembly—tact 2	SS218		Forklift 2 h
220	2.2.3.4.1.5. Mobile crane stop (during assembly)—tact 2	FS219	Material appears at the place of the future element	4.5 h
221	2.2.3.4.1.6. Forklift repositioning (during assembly)—tact 2	SS220	Material on the forklift Material disappears from the stock	4.5 h
222	2.2.3.4.1.7. Mobile crane positioning—tact 3	FS221		Mobile crane 2 h
223	2.2.3.4.1.8. Forklift repositioning for assembly—tact 3	SS222		Forklift 2 h
224	2.2.3.4.1.9. Mobile crane stop (during assembly)—tact 3	FS223	Material appears at the place of the future element	4.5 h
225	2.2.3.4.1.10. Forklift repositioning (during assembly)—tact 3	SS224	Material on the forklift Material disappears from the stock	4.5 h
226	2.2.3.4.1.11. Mobile crane positioning—tact 4	FS225		Mobile crane 2 h
227	2.2.3.4.1.12. Forklift repositioning for assembly—tact 4	SS226		Forklift 2 h
228	2.2.3.4.1.13. Mobile crane stop (during assembly)—tact 4	FS227	Material appears at the place of the future element	4.5 h
229	2.2.3.4.1.14. Forklift repositioning (during assembly)—tact 4	SS228	Material on the forklift Material disappears from the stock	4.5 h
230	2.3. Warehouse			13 d
231	2.3.1. Ground floor			13 d
232	2.3.1.1. Steel columns			2 d
233	2.3.1.1.1. Assembly			2 d
234	2.3.1.1.1.1. Mobile crane arrival and positioning	FS213; FS131		Mobile crane 2 h

235	2.3.1.1.1.2. Forklift repositioning for assembly	SS234		Forklift	2 h
236	2.3.1.1.1.3. Mobile crane stop (during assembly)	FS235	Material appears at the place of the future element	Mobile crane	14 h
237	2.3.1.1.1.4. Forklift repositioning (during assembly)	SS236	Material on the forklift Material disappears from the stock	Forklift	14 h
238	2.3.1.2. Steel beams				2 d
239	2.3.1.2.1. Assembly				2 d
240	2.3.1.2.1.1. Mobile crane stop (during assembly)	FS237	Material appears at the place of the future element	Mobile crane	16 h
241	2.3.1.2.1.2. Forklift repositioning (during assembly)	SS240	Material on the forklift Material disappears from the stock	Forklift	16 h
242	2.3.1.3. L-profile				1 d
243	2.3.1.3.1. Assembly				1 d
244	2.3.1.3.1.1. Element assembly	SS240	Material appears at the place of the future element Material disappears from the stock		8 h
245	2.3.1.4. Facade panels				2 d
246	2.3.1.4.1. Assembly				2 d
247	2.3.1.4.1.1. Mobile crane positioning – tact 1	FS270		Mobile crane	2 h
248	2.3.1.4.1.2. Forklift repositioning for assembly – tact 1	SS247		Forklift	2 h
249	2.3.1.4.1.3. Mobile crane stop (during assembly) – tact 1	FS248	Material appears at the place of the future element		6 h
250	2.3.1.4.1.4. Forklift repositioning (during assembly) – tact 1	SS249	Material on the forklift Material disappears from the stock		6 h
251	2.3.1.4.1.5. Mobile crane positioning – tact 2	FS250		Mobile crane	2 h
252	2.3.1.4.1.6. Forklift repositioning for assembly – tact 2	SS251		Forklift	2 h
253	2.3.1.4.1.7. Mobile crane stop (during assembly) – tact 2	FS252	Material appears at the place of the future element		6 h
254	2.3.1.4.1.8. Forklift repositioning (during assembly) – tact 2	SS253	Material on the forklift Material disappears from the stock		6 h
255	2.3.2. Roof				7 d
256	2.3.2.1. Roof frame rafter				1 d
257	2.3.2.1.1. Assembly				1 d
258	2.3.2.1.1.1. Mobile crane stop (during assembly)	FS241	Material appears at the place of the future element	Mobile crane	8 h

259	2.3.2.1.1.2. Forklift repositioning (during assembly)	SS258	Material on the forklift Material disappears from the stock	Forklift	8 h
260	2.3.2.2. Roof purlin				2 d
261	2.3.2.2.1. Assembly				2 d
262	2.3.2.2.1.1. Mobile crane stop (during assembly)	FS259	Material appears at the place of the future element	Mobile crane	16 h
263	2.3.2.2.1.2. Forklift repositioning (during assembly)	SS262	Material on the forklift Material disappears from the stock	Forklift	16 h
264	2.3.2.3. Roof bracing				2 d
265	2.3.2.3.1. Assembly				2 d
266	2.3.2.3.1.1. Element assembly	FS263	Material appears at the place of the future element Material disappears from the stock		16 h
267	2.3.2.4. Roof panels				2 d
268	2.3.2.4.1. Assembly				2 d
269	2.3.2.4.1.1. Mobile crane stop (during assembly)	FS266	Material appears at the place of the future element	Mobile crane	16 h
270	2.3.2.4.1.2. Forklift repositioning (during assembly)	SS269	Material on the forklift Material disappears from the stock	Forklift	16 h
271	<b>3. Site Demobilization Works</b>				1 d
272	3.1. Material and equipment removal				1 d
273	3.1.1. Auto crane departure	FS229			2 d
274	3.1.2. Formwork removal				1 d
275	3.1.2.1. Truck arrival	FS229	Material in the stock	Truck	2 h
276	3.1.2.2. Forklift positioning for loading	SS275		Forklift	2 h
277	3.1.2.3. Truck stop (during loading)	FS276	Material disappears from the stock	Truck	4 h
278	3.1.2.4. Forklift repositioning (during loading)	SS277	Material on the forklift Material appears on the truck	Forklift	4 h
279	3.1.2.5. Truck departure	FS278	Material on the truck	Truck	2 h
280	3.1.2.6. Forklift repositioning on the final location	SS279		Forklift	2 h