KIER DRAFT

Golden Jubilee Foundation Expansion
STAGE 4 - CONSTRUCTION Programme
NHS Golden Jubilee Foundation

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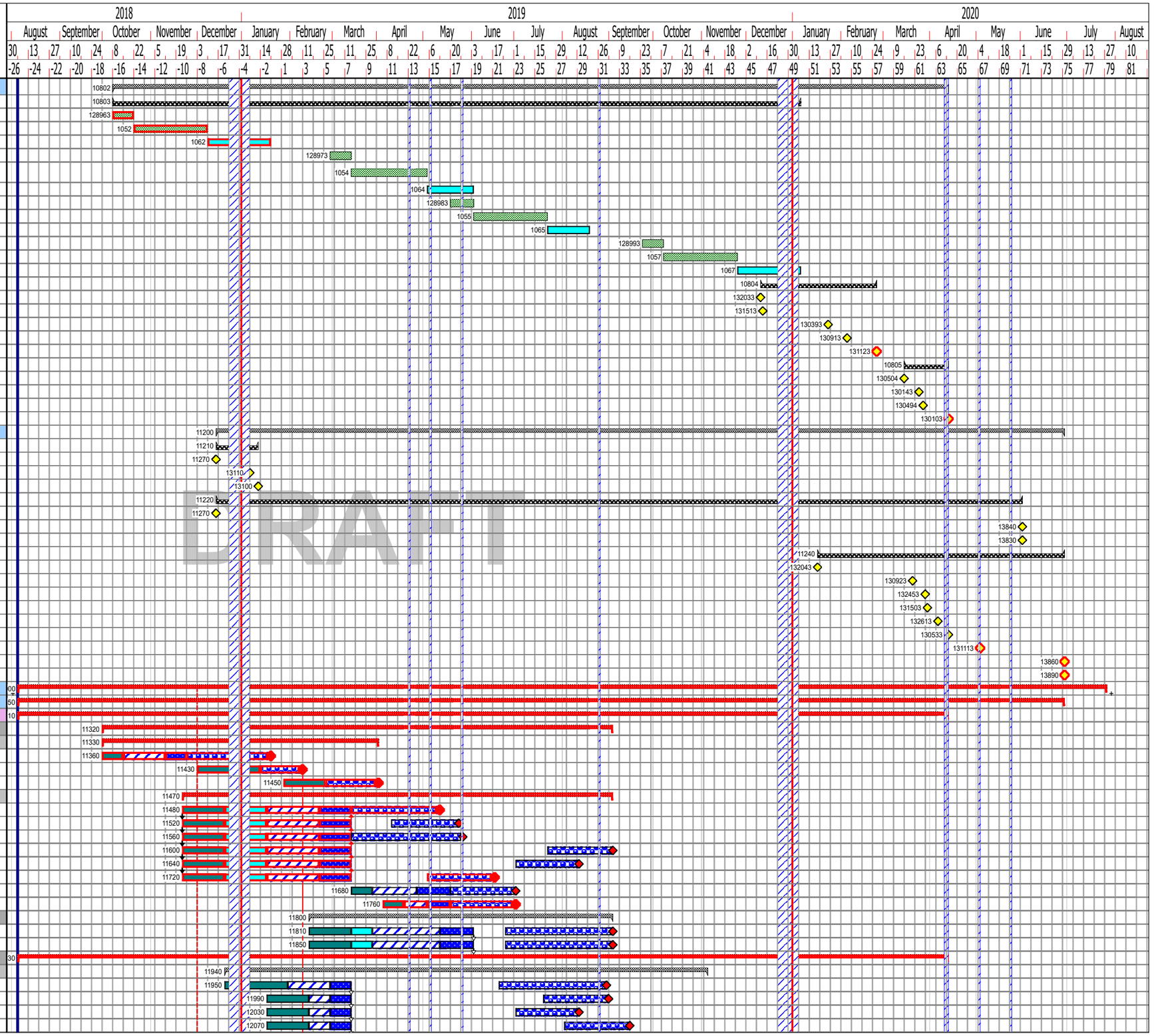
Golden Jubilee Foundation

Line	Unique Task ID	Name	Duration	Start	Finish	Total float
1	10802	**Milestones**	74w	08/10/18	14/04/20	100w 1d
2	10803	Building Warrant	60w 2d	08/10/18	06/01/20	13w 1d
3	128963	SER Certification 1st Issue	2w	08/10/18	19/10/18	
4	1052	**Stage 1 - Piling, Substructure, Groundworks**	7w	22/10/18	07/12/18	
5	1062	Time Risk Allowance	4w	10/12/18	18/01/19	
6	128973	SER Certification 2nd Issue	2w	28/02/19	13/03/19	3w 1d
7	1054	**Stage 2 - Structural Framing System, External Envelope (inc. roofs)and Superstructure**	7w	14/03/19	02/05/19	3w 1d
8	1064	Time Risk Allowance	4w	03/05/19	03/06/19	3w 1d
9	128983	SER Certification 3rd Issue	2w	20/05/19	03/06/19	3w 1d
10	1055	**Stage 3 - Internal fitout, MEP**	7w	04/06/19	22/07/19	3w 1d
11	1065	Time Risk Allowance	4w	23/07/19	19/08/19	3w 1d
12	128993	SER Certification 4th Issue	2w	24/09/19	07/10/19	13w 1d
13	1057	**Stage 4 - Soft & Hard Landscaping**	7w	08/10/19	25/11/19	13w 1d
14	1067	Time Risk Allowance	4w	26/11/19	06/01/20	13w 1d
15	10804	Power on dates	9w	11/12/19	26/02/20	3w 3d
16	132033	Power On - Zone 5		11/12/19	11/12/19	9w
17	131513	Power On - Zone 4		12/12/19	12/12/19	12w 2d
18	130393	Power On - Zone 1		24/01/20	24/01/20	3w 1d
19	130913	Power On - Zone 2		06/02/20	06/02/20	1w 2d
20	131123	Power On - Zone 3		26/02/20	26/02/20	
21	10805	Group 2 Delivery Dates	3w 4d	16/03/20	14/04/20	3w 3d
22	130504	Zone 2 - Group 2 Delivery Date		16/03/20	16/03/20	1w 2d
23	130143	Zone 4 - Group 2 Delivery Date		25/03/20	25/03/20	6w
24	130494	Zone 1 - Group 2 Delivery Date		27/03/20	27/03/20	4w 2d
25	130103	Zone 3 - Group 2 Delivery Date		14/04/20	14/04/20	
26	11200	**Key Dates**	74w 4d	14 Dec 18	29/06/20	81w 2d
27	11210	Access Dates	2w	14 Dec 18	11/01/19	2w 1d
28	11270	Starting Date (contract award)		14 Dec 18	14/12/18	2w 1d
29	13110	Access Date 2 - start on site		07 Jan 19	07/01/19	2w
30	13100	Access Date 1 - Site Set up		11 Jan 19	11/01/19	2w 1d
31	11220	Key or Milestone Dates	70w 4d	14 Dec 18	02/06/20	3w
32	11270	Starting Date (contract award)		14 Dec 18	14/12/18	2w 1d
33	13840	Warranty Start Date		02 Jun 20	02/06/20	3w
34	13830	Inspection of Works (NHS/Aecom)		02 Jun 20	02/06/20	3w
35	11240	Sectional and Project Completion	22w 3d	17 Jan 20	29/06/20	
36	132043	Zone 5 - Plantrooms - Room Lockdown		17/01/20	17/01/20	13w 1d
37	130923	Zone 2 - theatre waiting area - Room Lockdown		20/03/20	20/03/20	1w 2d
38	132453	Stair 1 - core - Room Lockdown		30/03/20	30/03/20	5w
39	131503	Zone 4 - staff area - Room Lockdown		31/03/20	31/03/20	6w
40	132613	Stair 2 - core - Room Lockdown		07/04/20	07/04/20	3w 4d
41	130533	Zone 1 - Outpatients - Room Lockdown		14/04/20	14/04/20	3w 1d
42	131113	Zone 3 - theatre - Room Lockdown		05/05/20	05/05/20	
43	13860	Planned Completion		29 Jun 20	29/06/20	
44	13890	Contract Completion		29 Jun 20	29/06/20	
45	14000	**SHE / CDM Documentation & Milestone Activities**	97w 3d	06/08/18	27/07/20	
46	11250	**Phase 1 Ophthalmology Unit Construction Period**	93w 3d	06 Aug 18	29/06/20	6w 3d
47	11310	**Procurement**	83w	06 Aug 18	14/04/20	14w 4d
48	11320	**Civil & Structural**	45w 3d	01 Oct 18	04/09/19	22w 1d
49	11330	**Civil**	24w 1d	01 Oct 18	02/04/19	
50	11360,11361,1	Piling	14w	01 Oct 18	21/01/19	
51	11430,11440,1	Substructure - ground beams & ground floor slab	8w	03 Dec 18	11/02/19	
52	11450,11460,1	DPM, Gas Membranes etc	9w	29 Jan 19	02/04/19	
53	11470	**Structural**	38w	22 Nov 18	04/09/19	22w 1d
54	11480,11481,1	Structural Steelwork	22w	22 Nov 18	13/05/19	
55	11520,11521,1	Secondary Steelwork	20w	22 Nov 18	24/05/19	9w 1d
56	11560,11561,1	Steel/Precast Stairs & Landings	24w	22 Nov 18	28/05/19	35w 1d
57	11600,11601,1	Plant / Louvre supports and gantries	20w	22 Nov 18	04/09/19	22w 1d
58	11640,11641,1	Fire protection (Intumescent paint)	20w	22 Nov 18	13/08/19	1w
59	11720,11721,1	Metal decking	20w	22 Nov 18	18/06/19	
60	11680,11690,1	SFS	15w	14 Mar 19	02/07/19	5w 1d
61	11760,11770,1	Concrete Upper Floors	12w	04 Apr 19	02/07/19	
62	11800	**MEP**	28w	14 Feb 19	04/09/19	3w
63	11810,127463,1	Mechanical	25w	14 Feb 19	04/09/19	3w 1d
64	11850,127473,1	Electrical	25w	14 Feb 19	04/09/19	3w 1d
65	11930	**Architectural Design**	83w	06 Aug 18	14/04/20	14w 4d
66	11940	**Envelope**	43w	20 Dec 18	06/11/19	19w
67	11950,11960,1	Windows & Curtain Walling	20w	20 Dec 18	30/08/19	18w 3d
68	11990,12000,1	Composite cladding	14w	17 Jan 19	02/09/19	26w 2d
69	12030,12040,1	Rainscreen Cladding	14w	17 Jan 19	13/08/19	18w
70	12070,12080,1	Louvres	14w	17 Jan 19	16/09/19	26w 2d



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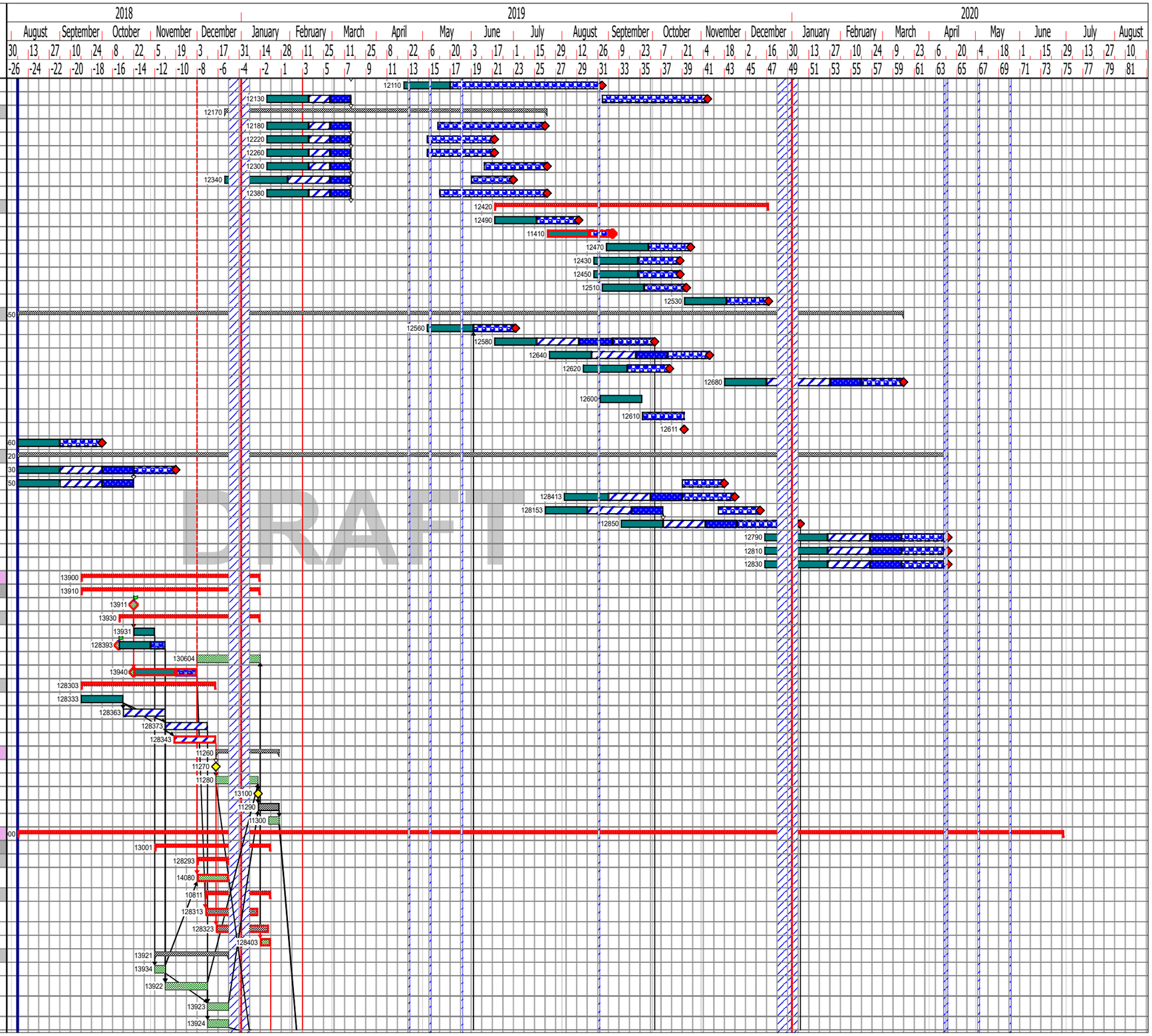
71	12110,12120,1	Brickwork & Blockwork	18w	18 Apr 19	28/08/19	16w 4d
72	12130,12140,1	External Doors	18w	17 Jan 19	06/11/19	18w
73	12170	Roof Coverings	28w	20 Dec 18	23/07/19	4w 1d
74	12180,12190,1	Metal / Composite Roof Coverings	18w	17 Jan 19	22/07/19	3w 1d
75	12220,12230,1	Membrane Roof Coverings	14w	17 Jan 19	18/06/19	3w 1d
76	12260,12270,1	Ashpalt / Hot Melt Roof Coverings	14w	17 Jan 19	18/06/19	3w 1d
77	12300,12310,1	Rooflights	14w	17 Jan 19	23/07/19	4w 1d
78	12340,12350,1	Siphonic / Roof drainage	14w	20 Dec 18	01/07/19	4w 1d
79	12380,12390,1	Roof safety systems / Mansafe / handrails	18w	17 Jan 19	23/07/19	3w 1d
80	12420	Fitout	25w 4d	18 Jun 19	17/12/19	7w 4d
81	12490,12500,1	Partitions	8w	18 Jun 19	13/08/19	3w 1d
82	11410,11420,1	Screeds & Floor Treatments	6w	23 Jul 19	04/09/19	
83	12470,12480,1	Doors & Internal Glazed Screens	8w	30 Aug 19	25/10/19	15w 1d
84	12430,12440,1	Joinery	8w	22 Aug 19	18/10/19	4w 1d
85	12450,12460,1	IPS	8w	22 Aug 19	18/10/19	4w 1d
86	12510,12520,1	Ceilings - suspended, MF, accoustic	8w	28 Aug 19	23/10/19	5w 1d
87	12530,12540,1	FF & E	8w	22 Oct 19	17/12/19	7w 4d
88	12550	Finishes	79w 1d	06 Aug 18	16/03/20	5w 2d
89	12560,12570,1	Metalwork	8w	03 May 19	02/07/19	38w
90	12580,12581,1	Theatre fit out - link to M&E 2nd fix	15w	18 Jun 19	02/10/19	3w 1d
91	12640,12641,1	Hygenic wall cladding - link to toilet walls	15w	24 Jul 19	07/11/19	11w 2d
92	12620,12630,1	Decoration	8w	15 Aug 19	11/10/19	3w 4d
93	12680,12681,1	Group 2 equipment	15w	18 Nov 19	16/03/20	1w 2d
94	12600	Floor finishes - carpet, vinyl matwells, etc - Place Order	4w	27 Aug 19	23/09/19	14w 4d
95	12610	Manufacture/Procurement Period	4w	24 Sep 19	21/10/19	14w 4d
96	12611	Floor finishes - Start on site		22/10/19	22/10/19	14w 4d
97	12660,12670,1	Signage & Graphics	8w	06 Aug 18	01/10/18	76w 3d
98	12720	Specialist Works	83w	06 Aug 18	14/04/20	14w 4d
99	12730,12731,1	Fire Stopping	15w	06 Aug 18	19/11/18	48w 4d
100	12750,12751,1	Building Fire Audit	15w	06 Aug 18	18/11/19	33w 3d
101	128413,12846	Lift Installation	16w	02 Aug 19	25/11/19	14w 2d
102	128153,12816	Landscaping	15w	22/07/19	11/12/19	13w 1d
103	12850,12851,1	Commissioning Manager	15w	10 Sep 19	07/01/20	14w 1d
104	12790,12791,1	Air Permeability test	15w	13 Dec 19	14/04/20	5w 3d
105	12810,12811,1	Accoustic testing	15w	13 Dec 19	14/04/20	5w 3d
106	12830,12831,1	Thermographic testing	15w	13 Dec 19	14/04/20	5w 3d
107	13900	Enabling Works	15w	17/09/18	11/01/19	79w 1d
108	13910	Mobilisation	15w	17/09/18	11/01/19	79w 1d
109	13911	Enabling works Order		22/10/18	22/10/18	
110	13930	Procurement	11w 2d	11/10/18	11/01/19	79w 1d
111	13931	Welfare order and temp electrics	2w	22/10/18	02/11/18	2w
112	128393,12838	Fencing Contractor	4w 2d	11/10/18	09/11/18	2w
113	130604	UXO - Place Order	4w	03/12/18	11/01/19	79w 1d
114	13940,13950,1	Groundwork Contractor	6w	22/10/18	30/11/18	
115	128303	Temporary Works Designs	12w 4d	17/09/18	13/12/18	2w 1d
116	128333	Procure TW designer / checker	4w	17/09/18	12/10/18	2w
117	128363	Hoarding design	4w	15/10/18	09/11/18	2w
118	128373	Compound Hardstand and cabin foundation design	4w	12/11/18	07/12/18	3w
119	128343	Piling Platform Design & check	4w	16/11/18	13/12/18	
120	11260	Preliminary Works	4w	14 Dec 18	24/01/19	2w 1d
121	11270	Starting Date (contract award)		14 Dec 18	14/12/18	2w 1d
122	11280	Mobilisation	2w	14 Dec 18	10/01/19	2w 1d
123	13100	Access Date 1 - Site Set up		11 Jan 19	11/01/19	2w 1d
124	11290	Set Up Site	2w	11 Jan 19	24/01/19	2w 1d
125	11300	Dilapidation Surveys	1w	18 Jan 19	24/01/19	2w 1d
126	13000	Construction Works	93w 3d	06 Aug 18	29/06/20	6w 3d
127	13001	Enabling Works	9w	05/11/18	18/01/19	1w
128	128293	Service diversions	3w	03/12/18	21/12/18	
129	14080	Water/Fire main diversion (trench, lay pipe, form connections, test, backfill)	3w	03/12/18	21/12/18	
130	10811	Earthworks	4w 1d	07/12/18	18/01/19	
131	128313	Reduce level dig - (inc. Removal of buried asbestos TBC)	3w	07/12/18	10/01/19	
132	128323	Imported fill / Piling mat	3w	14/12/18	17/01/19	
133	128403	Pre-Drill piles - UXO probing	1w	14/01/19	18/01/19	
134	13921	Site Establishment	7w	05/11/18	21/12/18	3w
135	13934	Small welfare set up	1w	05/11/18	09/11/18	2w
136	13922	Install site fencing (based on full post & board hoarding)	4w	12/11/18	07/12/18	2w
137	13923	Lay hardstanding, ducting & drainage for compound	2w	10/12/18	21/12/18	3w
138	13924	Install temp electrics MDU	2w	10/12/18	21/12/18	2w



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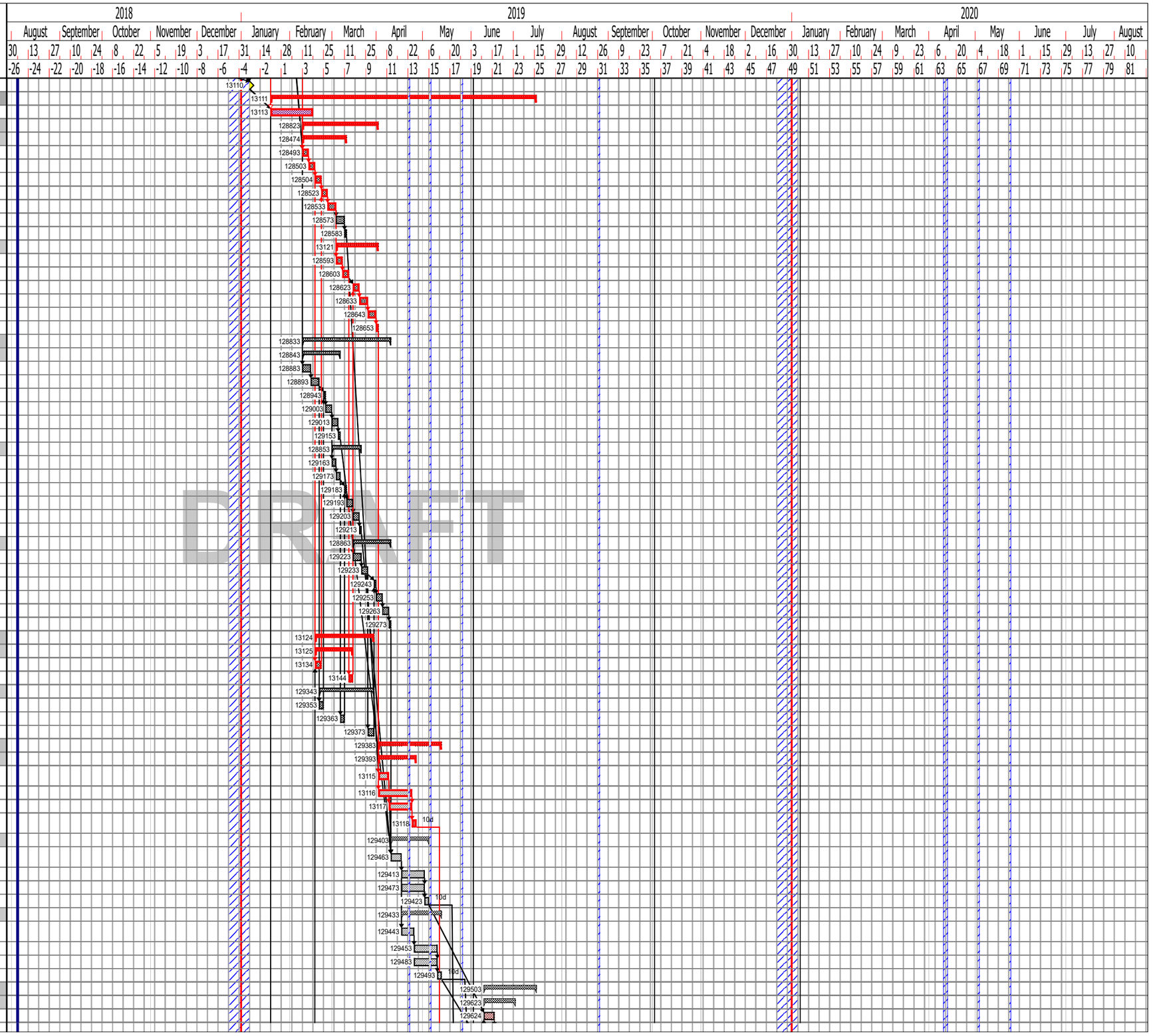
Line	Unique Task ID	Name	Duration	Start	Finish	Total float
139	13110	Access Date 2 - start on site		07 Jan 19	07/01/19	2w
140	**13111**	**Groundworks & Substructure**	**24w 3d**	**21/01/19**	**15/07/19**	**3w 1d**
141	13113	Piling (9 per day)	4w	21/01/19	15/02/19	
142	**128823**	**Zone 1 foundation**	**7w 1d**	**11/02/19**	**01/04/19**	
143	**128474**	**Zone 1 a Foundations**	**4w 1d**	**11/02/19**	**11/03/19**	**3w**
144	128493	Excavate ground beams	3d	11/02/19	13/02/19	
145	128503	Pile cropping	3d	14/02/19	18/02/19	
146	128504	Link corridor foundation	3d	19/02/19	21/02/19	
147	128523	Blinding to bases	3d	22/02/19	26/02/19	
148	128533	Install permanent formwork	4d	27/02/19	04/03/19	
149	128573	install rebar & holding down bolts	4d	05/03/19	08/03/19	3w
150	128583	Pour concrete to beams	1d	11/03/19	11/03/19	3w
151	**13121**	**Zone 1 b Foundations**	**4w**	**05/03/19**	**01/04/19**	
152	128593	Excavate ground beams	3d	05/03/19	07/03/19	
153	128603	Pile cropping	3d	08/03/19	12/03/19	
154	128623	Blinding to bases	3d	15/03/19	19/03/19	
155	128633	Install permanent formwork	4d	20/03/19	25/03/19	
156	128643	install rebar & holding down bolts	4d	26/03/19	29/03/19	
157	128653	Pour concrete to beams	1d	01/04/19	01/04/19	
158	**128833**	**Zone 2 foundation**	**8w 2d**	**11/02/19**	**09/04/19**	**1d**
159	**128843**	**Zone 2 a Foundations**	**3w 3d**	**11/02/19**	**06/03/19**	**5w**
160	128883	Excavate pile caps	4d	11/02/19	14/02/19	1d
161	128893	Pile cropping	4d	15/02/19	20/02/19	1d
162	128943	Blinding to bases	1d	25/02/19	25/02/19	1d
163	129003	Install permanent formwork	3d	26/02/19	28/02/19	1d
164	129013	install rebar to ground beam	3d	01/03/19	05/03/19	5w
165	129153	Pour concrete to beams	1d	06/03/19	06/03/19	5w
166	**128853**	**Zone 2 b Foundations**	**2w 4d**	**01/03/19**	**20/03/19**	**3w**
167	129163	Excavate pile caps	2d	01/03/19	04/03/19	1d
168	129173	Pile cropping	2d	05/03/19	06/03/19	1d
169	129183	Blinding to bases	1d	11/03/19	11/03/19	1d
170	129193	Install permanent formwork	3d	12/03/19	14/03/19	1d
171	129203	install rebar & holding down bolts	3d	15/03/19	19/03/19	3w
172	129213	Pour concrete to beams	1d	20/03/19	20/03/19	3w
173	**128863**	**Zone 2 c Foundations**	**3w 3d**	**15/03/19**	**09/04/19**	**1d**
174	129223	Excavate pile caps	4d	15/03/19	20/03/19	1d
175	129233	Pile cropping	3d	21/03/19	25/03/19	1d
176	129243	Blinding to bases	1d	29/03/19	29/03/19	1d
177	129253	Install permanent formwork	3d	01/04/19	03/04/19	1d
178	129263	install rebar & holding down bolts	3d	04/04/19	08/04/19	1d
179	129273	Pour concrete to beams	1d	09/04/19	09/04/19	1d
180	**13124**	**Underslab Drainage**	**5w 3d**	**19/02/19**	**28/03/19**	**1d**
181	**13125**	**Zone 1 Underslab Drainage**	**3w 3d**	**19/02/19**	**14/03/19**	
182	13134	Zone 1a Underslab Drainage	3d	19/02/19	21/02/19	
183	13144	Zone 1b Underslab Drainage	2d	13/03/19	14/03/19	
184	**129343**	**Zone 2 Underslab Drainage**	**5w 1d**	**21/02/19**	**28/03/19**	**1d**
185	129353	Zone 2a Underslab Drainage	2d	21/02/19	22/02/19	1d
186	129363	Zone 2b Underslab Drainage	2d	07/03/19	08/03/19	1d
187	129373	Zone 2c Underslab Drainage	3d	26/03/19	28/03/19	1d
188	**129383**	**Substructure - ground floor slab**	**5w 3d**	**02/04/19**	**13/05/19**	**3d**
189	**129393**	**Pour 1**	**3w 2d**	**02/04/19**	**25/04/19**	
190	13115	Scrape surface, sand blinding, DPM, Gas Membranes, Insulation etc	1w	02/04/19	08/04/19	
191	13116	Formwork to slab edge	3w	02/04/19	23/04/19	
192	13117	Rebar & holding down bolts	2w	09/04/19	23/04/19	
193	13118	Pour concrete & cut joints (allow 3 calendar weeks curing)	2d	24/04/19	25/04/19	
194	**129403**	**Pour 2**	**3w 2d**	**10/04/19**	**03/05/19**	**1d**
195	129463	Scrape surface, sand blinding, DPM, Gas Membranes, Insulation etc	1w	10/04/19	16/04/19	1d
196	129413	Formwork to slab edge	2w	17/04/19	01/05/19	1d
197	129473	Rebar & holding down bolts	2w	17/04/19	01/05/19	1d
198	129423	Pour concrete & cut joints	2d	02/05/19	03/05/19	1d
199	**129433**	**Pour 3**	**3w 2d**	**17/04/19**	**13/05/19**	**3d**
200	129443	Scrape surface, sand blinding, DPM, Gas Membranes, Insulation etc	1w	17/04/19	24/04/19	3d
201	129453	Formwork to slab edge	2w	25/04/19	09/05/19	3d
202	129483	Rebar & holding down bolts	2w	25/04/19	09/05/19	3d
203	129493	Pour concrete & cut joints	2d	10/05/19	13/05/19	3d
204	**129503**	**Underbuilding**	**5w**	**11/06/19**	**15/07/19**	**3w 1d**
205	**129623**	**Outpatients**	**3w**	**11/06/19**	**01/07/19**	**5w 1d**
206	129624	Tanking	1w	11/06/19	17/06/19	1w



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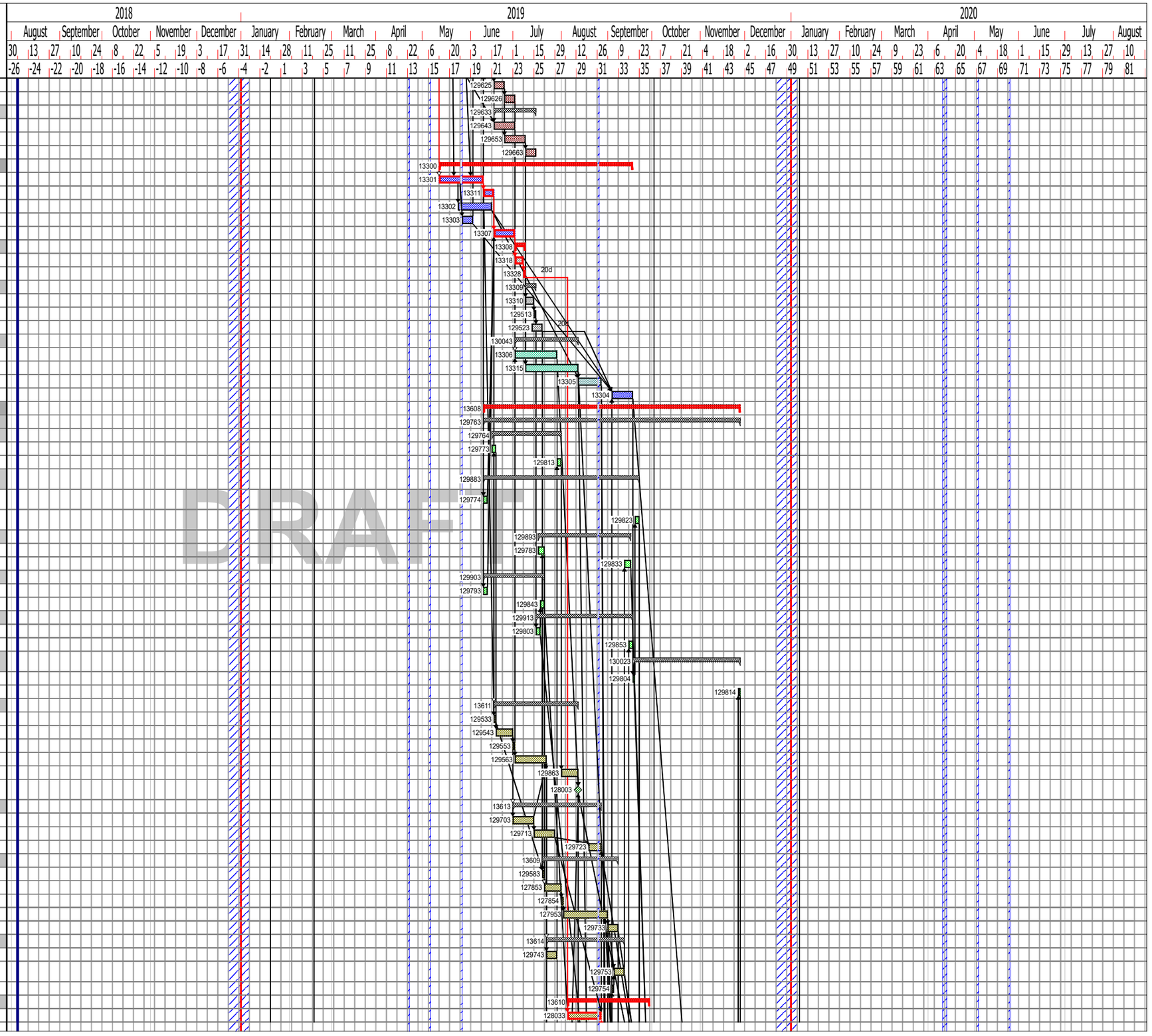
207	129625	Brick & Block	1w	18/06/19	24/06/19	1w
208	129626	Backfill & cavity fill	1w	25/06/19	01/07/19	5w 1d
209	129633	Theatre	4w	18/06/19	15/07/19	1w
210	129643	Tanking	2w	18/06/19	01/07/19	1w
211	129653	Brick & Block	2w	25/06/19	08/07/19	1w
212	129663	Backfill & cavity fill	1w	09/07/19	15/07/19	1w
213	13300	Superstructure	18w	13 May 19	17/09/19	22w 1d
214	13301	Structural Steelwork	4w	13/05/19	10/06/19	
215	13311	Grout column bases	1w	11/06/19	17/06/19	
216	13302	Secondary Steelwork	3w	24/05/19	14/06/19	9w 1d
217	13303	Concrete Stairs & Landings	1w	28/05/19	03/06/19	35w 1d
218	13307	Metal decking	2w	18/06/19	01/07/19	
219	13308	Concrete Upper Floors - pour 4 - plant deck	1w	02/07/19	08/07/19	
220	13318	pour 4 - plant deck - lay mesh & prep	4d	02/07/19	05/07/19	
221	13328	pour 4 - plant deck - Pour	1d	08/07/19	08/07/19	
222	13309	Concrete upper floor - pour 5	1w	09/07/19	15/07/19	2d
223	13310	pour 5 - lay mesh & prep	4d	09/07/19	12/07/19	2d
224	129513	pour 5 - Pour	1d	15/07/19	15/07/19	2d
225	129523	Upstands	1w	12/07/19	18/07/19	2d
226	130043	Structural Framing System	6w	02/07/19	12/08/19	3w 1d
227	13306	SFS - Outpatients	4w	02/07/19	29/07/19	5w 1d
228	13315	SFS - Theatres	5w	09/07/19	12/08/19	1w
229	13305	Fire protection (Intumescent paint touch up)	2w	13/08/19	27/08/19	1w
230	13304	Plant / Louvre supports and gantries	2w	04/09/19	17/09/19	22w 1d
231	13608	Roof Coverings	24w 1d	11/06/19	27/11/19	16w 4d
232	129763	Edge protection	24w 1d	11/06/19	27/11/19	16w 4d
233	129764	Hire period for outpatient edge protection	6w 3d	17/06/19	31/07/19	3w 1d
234	129773	Install Edge protection to outpatients	2d	17/06/19	18/06/19	3w 1d
235	129813	Remove Edge protection to outpatients	2d	30/07/19	31/07/19	3w 1d
236	129883	Hire period for Theatre plantroom edge protection	14w 3d	11/06/19	20/09/19	22w 1d
237	129774	Install Edge protection to theatre external plantroom	2d	11/06/19	12/06/19	3d
238	129823	Remove Edge protection to theatre external plantroom	2d	19/09/19	20/09/19	22w 1d
239	129893	Hire period for upper roof edge protection	8w 3d	17/07/19	16/09/19	27w 1d
240	129783	Install Edge protectection to upper roof	3d	17/07/19	19/07/19	2d
241	129833	Remove Edge protectection to upper roof	3d	12/09/19	16/09/19	27w 1d
242	129903	Hire period for level 2 edge protection	5w 4d	11/06/19	19/07/19	2w 1d
243	129793	Install Edge protection to level 2 decking	2d	11/06/19	12/06/19	3d
244	129843	Remove Edge protection to level 2 decking	2d	18/07/19	19/07/19	2w 1d
245	129913	Hire period for combi safe edge protection	9w	16/07/19	17/09/19	27w
246	129803	Install combi-Safe level 2 decking	2d	16/07/19	17/07/19	2w 1d
247	129853	Remove combi-Safe level 2 decking	2d	16/09/19	17/09/19	27w
248	130023	Hire period for tube & Fitting edge protection	10w 1d	18/09/19	27/11/19	16w 4d
249	129804	Install tube & fitting to louvre screen	1d	18/09/19	18/09/19	22w 1d
250	129814	Remove tube & fitting to louvre screen	1d	27/11/19	27/11/19	16w 4d
251	13611	Low Level roof @ outpatient & Pre - op	8w	18/06/19	12/08/19	3w 1d
252	129533	Instal safety nets to outpatient	1d	18/06/19	18/06/19	3w 1d
253	129543	Structural Liner sheet to outpatient	1w 3d	19/06/19	28/06/19	3w 1d
254	129553	dismantle safety nets to outpatient	1d	01/07/19	01/07/19	3w 1d
255	129563	Single ply roof to outpatient	3w	02/07/19	22/07/19	3w 1d
256	129863	Capping to upstand outpatients	1w 3d	01/08/19	12/08/19	3w 1d
257	128003	Effectively Watertight - 1 - Outpatient & Pre-op assessment		12/08/19	12/08/19	3w 1d
258	13613	Siphonic / Roof drainage	8w 1d	01/07/19	27/08/19	30w
259	129703	Siphonic / Roof drainage to outpatients inc outlets	2w	01/07/19	12/07/19	4w 1d
260	129713	Siphonic / Roof drainage to theatres	2w	15/07/19	26/07/19	4w 1d
261	129723	Outlets to theatre system & test	1w	20/08/19	27/08/19	30w
262	13609	Metal / Composite Roof Coverings	7w	19/07/19	06/09/19	8w 4d
263	129583	Instal safety nets to Theatres	1d	19/07/19	19/07/19	2d
264	127853	Liner sheet	1w 3d	22/07/19	31/07/19	2d
265	127854	dismantle safety nets to theatres	1d	01/08/19	01/08/19	2d
266	127953	Insulation & Top sheet to theatres	4w	02/08/19	30/08/19	2d
267	129733	Install smoke / access hatches / roof vents	1w	02/09/19	06/09/19	8w 4d
268	13614	Roof safety systems / Mansafe / handrails	7w 1d	23/07/19	11/09/19	27w 1d
269	129743	Running line & handrail to outpatients	1w	23/07/19	29/07/19	3w 1d
270	129753	Walkway system & running line to upper standing seam roof	1w	05/09/19	11/09/19	27w 1d
271	129754	Acess ladder from plantroom to upper roof	1d	04/09/19	04/09/19	27w 1d
272	13610	Ashpalt / Hot Melt / Membrane Roof Coverings	7w 3d	06/08/19	27/09/19	22w 1d
273	128033	Waterproofing to plant deck	3w	06/08/19	27/08/19	



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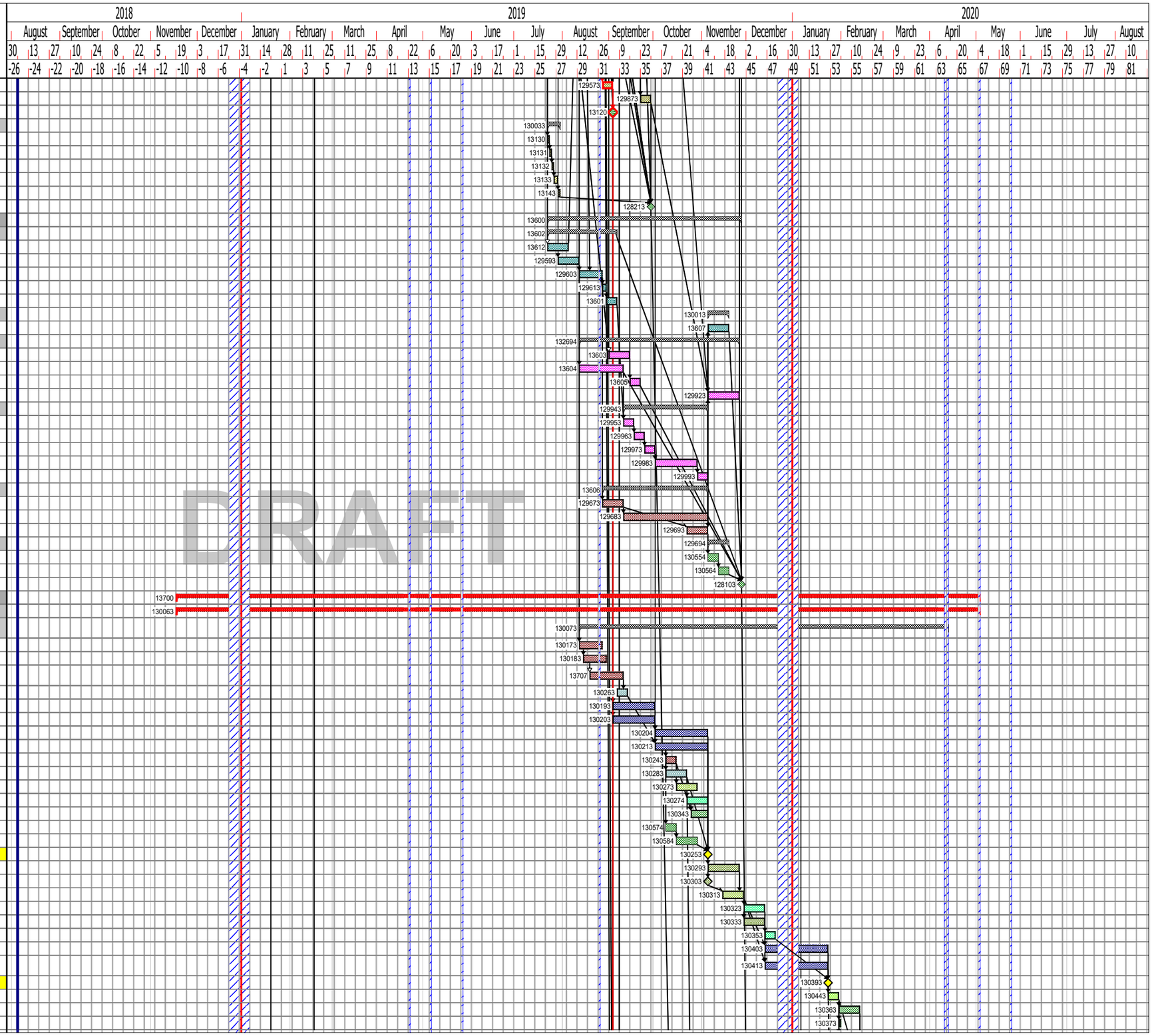
Line	Unique Task ID	Name	Duration	Start	Finish	Total float
274	129573	Insulation & slabs to plant deck	1w	28/08/19	03/09/19	
275	129873	Capping to upstand Theatre	1w	23/09/19	27/09/19	22w 1d
276	13120	Effectively Watertight - 2 - Theatres		04/09/19	04/09/19	
277	130033	Delivery area canopy	1w 1d	23/07/19	30/07/19	33w 4d
278	13130	Install safety net	1d	23/07/19	23/07/19	33w 4d
279	13131	Install roof sheet	1d	24/07/19	24/07/19	33w 4d
280	13132	install RWP	1d	25/07/19	25/07/19	33w 4d
281	13133	Install flashings	2d	26/07/19	29/07/19	33w 4d
282	13143	Remove safety net	1d	30/07/19	30/07/19	33w 4d
283	128213	Roofing works complete		30/09/19	30/09/19	25w 2d
284	13600	Envelope	18w 1d	23 Jul 19	28/11/19	16w 4d
285	13602	Windows	6w 2d	23/07/19	05/09/19	18w 3d
286	13612	Rooflights	2w	23/07/19	05/08/19	4w 1d
287	129593	Windows to outpatients	2w	30/07/19	12/08/19	16w 4d
288	129603	Windows to Theatre block	2w	13/08/19	27/08/19	16w 4d
289	129613	Windows to stairs	2d	28/08/19	29/08/19	18w 3d
290	13601	Curtain Walling	1w	30/08/19	05/09/19	18w 3d
291	130013	External Doors	2w	06/11/19	19/11/19	18w
292	13607	External Doors & main entrance door	2w	06/11/19	19/11/19	18w
293	132694	External Wall cladding	15w	13/08/19	26/11/19	17w
294	13603	Level 2 cladding	2w	02/09/19	13/09/19	26w 2d
295	13604	Rainscreen Cladding	4w	13/08/19	10/09/19	18w
296	13605	Louvres & windows to composite cladding level 2	1w	16/09/19	20/09/19	26w 2d
297	129923	Screen to plant area	3w	06/11/19	26/11/19	16w 4d
298	129943	Cladding to main entrance	8w	11/09/19	05/11/19	18w
299	129953	Frame out over-hang	1w	11/09/19	17/09/19	18w
300	129963	Install top hat & hanging system	1w	18/09/19	24/09/19	18w
301	129973	Install cladding panels	1w	25/09/19	01/10/19	18w
302	129983	Manufacture period for corners (off-site)	4w	02/10/19	29/10/19	18w
303	129993	Install corners & complete flashings etc	1w	30/10/19	05/11/19	18w
304	13606	Brickwork & Blockwork	10w	28/08/19	05/11/19	18w
305	129673	Brickwork to outpatients courtyard	2w	28/08/19	10/09/19	16w 4d
306	129683	Brickwork to theatres	8w	11/09/19	05/11/19	16w 4d
307	129693	Blockwork to link corridor	2w	23/10/19	05/11/19	18w
308	129694	Link corridor connection to existing	2w	06/11/19	19/11/19	18w
309	130554	Remove glazing & core holes	1w	06/11/19	12/11/19	18w
310	130564	Install flashings and seal to roof & walls	1w	13/11/19	19/11/19	18w
311	128103	Envelope Complete		28/11/19	28/11/19	16w 4d
312	13700	Fitout	70w 4d	19 Nov 18	05/05/20	14w 2d
313	130063	Level 1	70w 4d	19/11/18	05/05/20	14w 2d
314	130073	Zone 1 - outpatients, main entrance & Link corridor	32w 2d	13/08/19	14/04/20	3w 1d
315	130173	Install Headtrack	2w	13/08/19	27/08/19	3w 1d
316	130183	Install rockwool profiles above headtrack	2w	15/08/19	29/08/19	3w 1d
317	13707	1st Side Partitions Incl High Level Cut (inc patressing)	3w	20/08/19	10/09/19	3w 1d
318	130263	Fire tape partition high level cut	1w	06/09/19	12/09/19	5w 4d
319	130193	1st Fix Mechanical	4w	04/09/19	01/10/19	3w 1d
320	130203	1st Fix Electrical	4w	04/09/19	01/10/19	3w 1d
321	130204	Mechanical 2nd Fix Level	5w	02/10/19	05/11/19	3w 1d
322	130213	Electrical 2nd Fix Level	5w	02/10/19	05/11/19	3w 1d
323	130243	2nd Side Partitions (inc complete patressing)	1w	09/10/19	15/10/19	3w 1d
324	130283	Fire / Accoustic protection	2w	09/10/19	22/10/19	5w 1d
325	130273	Taping to Partitions (skim coat to curved walls)	2w	16/10/19	29/10/19	3w 1d
326	130274	Mist Coat Decoration	2w	23/10/19	05/11/19	3w 1d
327	130343	Fix IPS Frames	1w 3d	25/10/19	05/11/19	3w 1d
328	130574	Existing services to new building	1w	09/10/19	15/10/19	4w 1d
329	130584	Partition & Ceiling works to existing building	2w	16/10/19	29/10/19	4w 1d
330	130253	Above Ceiling Sign Off		05/11/19	05/11/19	3w 1d
331	130293	Waitng area ceiling (inc bulkheads)	3w	06/11/19	26/11/19	3w 1d
332	130303	MF Perimeter bands to rooms		06/11/19	06/11/19	4w 3d
333	130313	Taping to MF Ceiling	2w	15/11/19	28/11/19	3w 1d
334	130323	Mist & First Coat Decoration	2w	29/11/19	12/12/19	3w 1d
335	130333	Ceiling grids + Service tiles	2w	29/11/19	12/12/19	6w 1d
336	130353	Wall Coverings to toilets	1w	13/12/19	19/12/19	6w 1d
337	130403	M&E ceiling services	4w	13/12/19	23/01/20	3w 1d
338	130413	Mechanical & Electrical Final Fix (inc sanitaryware)	4w	13/12/19	23/01/20	3w 1d
339	130393	Power On - Zone 1		24/01/20	24/01/20	3w 1d
340	130443	Latex screed & DPM to floors	1w	24/01/20	30/01/20	3w 1d
341	130363	Joinery Works (Doors/Architraves/Windows)	2w	31/01/20	13/02/20	3w 1d
342	130373	FF & E plinths	1d	31/01/20	31/01/20	4w 1d



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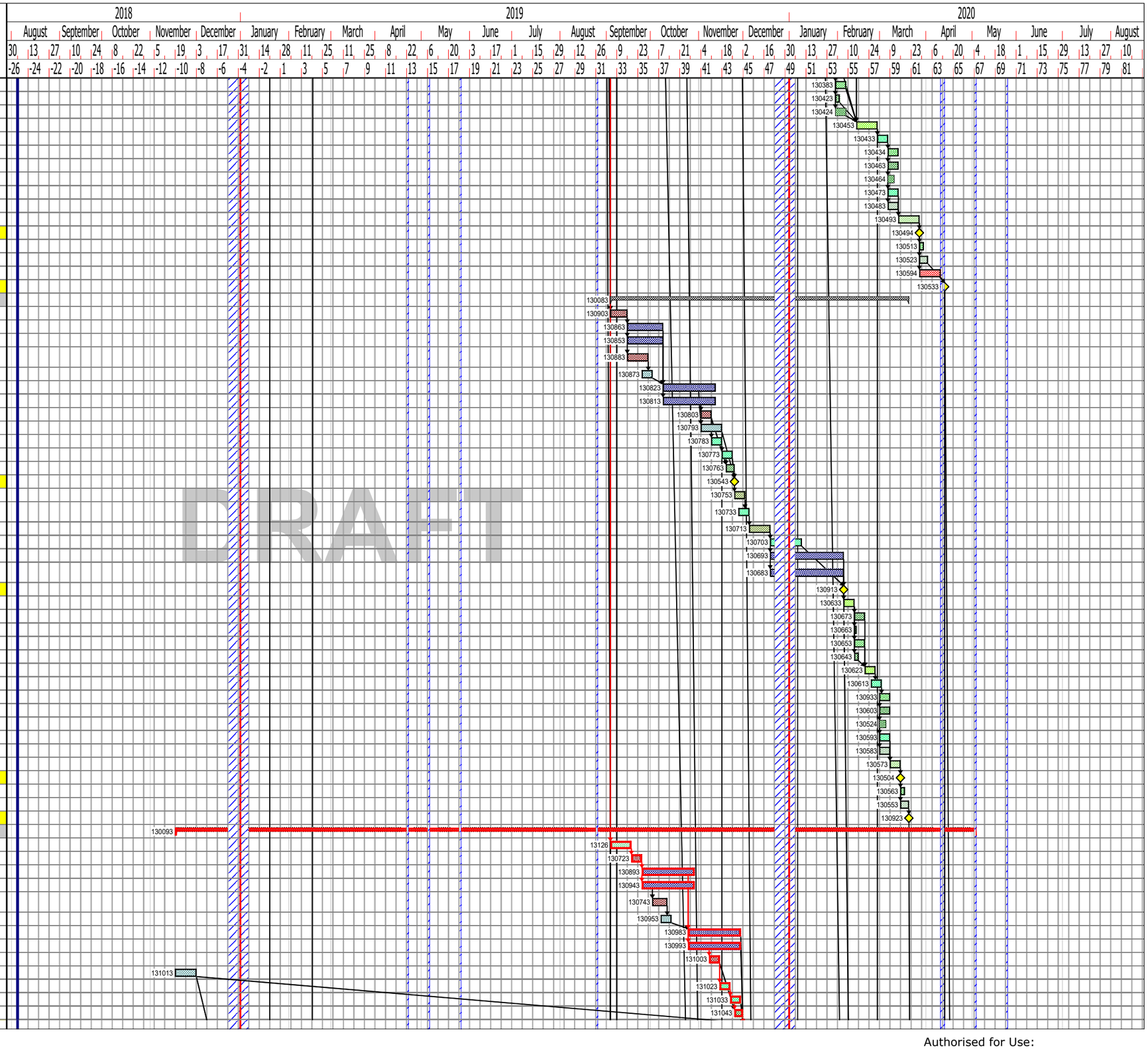
343	130383	FF & E	1w	31/01/20	06/02/20	4w 1d
344	130423	IPS Completions (Boarding out & Facings)	2d	31/01/20	03/02/20	4w 4d
345	130424	Floor coverings to existing building	1w	31/01/20	06/02/20	4w 1d
346	130453	Floor Coverings	2w	14/02/20	27/02/20	3w 1d
347	130433	2nd Coat Decoration	1w	28/02/20	05/03/20	3w 1d
348	130434	Wall protection & bump rails	1w	06/03/20	12/03/20	3w 1d
349	130463	Rehang Doors & Ceiling Hatches	1w	06/03/20	12/03/20	3w 1d
350	130464	M&E - Door Access Control Installation	3d	06/03/20	10/03/20	3w 1d
351	130473	Final Decoration (Touch Ups)	1w	06/03/20	12/03/20	3w 1d
352	130483	Builders Clean	1w	06/03/20	12/03/20	3w 1d
353	130493	Snagging	2w	13/03/20	26/03/20	3w 1d
354	130494	Zone 1 - Group 2 Delivery Date		27/03/20	27/03/20	4w 2d
355	130513	Group 2 install	2d	27/03/20	30/03/20	4w 2d
356	130523	Final Clean (non clinical clean)	4d	27/03/20	01/04/20	4w 2d
357	130594	Outpatients Commissioning	2w	27/03/20	09/04/20	3w 1d
358	130533	Zone 1 - Outpatients - Room Lockdown		14/04/20	14/04/20	3w 1d
359	130083	Zone 2 - theatre waiting area	26w 2d	04/09/19	20/03/20	1w 2d
360	130903	Install Headtrack - inc rockwool profiles	1w 3d	04/09/19	13/09/19	1w 2d
361	130863	1st Fix Mechanical	3w 2d	16/09/19	08/10/19	1w 2d
362	130853	1st Fix Electrical	3w 2d	16/09/19	08/10/19	1w 2d
363	130883	1st Side Partitions Incl High Level Cut (inc patressing)	2w	16/09/19	27/09/19	3w 4d
364	130873	Fire tape partition high level cut	1w	25/09/19	01/10/19	3w 4d
365	130823	Mechanical 2nd Fix Level	5w	09/10/19	12/11/19	2w 4d
366	130813	Electrical 2nd Fix Level	5w	09/10/19	12/11/19	1w 2d
367	130803	2nd Side Partitions (inc complete patressing)	1w	04/11/19	08/11/19	1w 2d
368	130793	Fire / Accoustic protection	2w	04/11/19	15/11/19	2w 3d
369	130783	Taping to Partitions	1w	11/11/19	15/11/19	1w 2d
370	130773	Mist Coat Decoration	1w	18/11/19	22/11/19	1w 2d
371	130763	Fix IPS Frames	4d	20/11/19	25/11/19	1w 2d
372	130543	Above Ceiling Sign Off		25/11/19	25/11/19	1w 2d
373	130753	Waitng area ceiling (inc bulkheads)	1w	26/11/19	02/12/19	1w 2d
374	130733	Taping & Mist & First Coat Decoration to MF Ceiling	1w	28/11/19	04/12/19	1w 2d
375	130713	Ceiling grids & Service Tiles	2w	05/12/19	18/12/19	1w 2d
376	130703	Wall Coverings to toilets	1w	19/12/19	08/01/20	5w 2d
377	130693	M&E ceiling services	5w	19/12/19	05/02/20	1w 2d
378	130683	Mechanical & Electrical Final Fix (inc sanitaryware)	5w	19/12/19	05/02/20	1w 2d
379	130913	Power On - Zone 2		06/02/20	06/02/20	1w 2d
380	130633	Latex screed & DPM to floors	1w	06/02/20	12/02/20	1w 2d
381	130673	Joinery Works (Doors/Architraves/Windows)	1w	13/02/20	19/02/20	1w 2d
382	130663	FF & E plinths	1d	13/02/20	13/02/20	1w 2d
383	130653	FF & E	1w	13/02/20	19/02/20	1w 2d
384	130643	IPS Completions (Boarding out & Facings)	2d	13/02/20	14/02/20	2w
385	130623	Floor Coverings	1w	20/02/20	26/02/20	1w 2d
386	130613	2nd Coat Decoration	1w	25/02/20	02/03/20	1w 2d
387	130933	Wall protection & bump rails	1w	02/03/20	06/03/20	1w 2d
388	130603	Rehang Doors & Ceiling Hatches	1w	02/03/20	06/03/20	1w 2d
389	130524	M&E - Door Access Control Installation	3d	02/03/20	04/03/20	1w 2d
390	130593	Final Decoration (Touch Ups)	1w	02/03/20	06/03/20	1w 2d
391	130583	Builders Clean	1w	02/03/20	06/03/20	1w 2d
392	130573	Snagging	1w	09/03/20	13/03/20	1w 2d
393	130504	Zone 2 - Group 2 Delivery Date		16/03/20	16/03/20	1w 2d
394	130563	Group 2 install	2d	16/03/20	17/03/20	1w 2d
395	130553	Final Clean (non clinical clean)	4d	16/03/20	19/03/20	1w 2d
396	130923	Zone 2 - theatre waiting area - Room Lockdown		20/03/20	20/03/20	1w 2d
397	130093	Zone 3 - theatre	70w 4d	19/11/18	05/05/20	14w 2d
398	13126	Ground floor slab screeds	2w	04/09/19	17/09/19	
399	130723	Install Headtrack - inc rockwool profiles	1w	18/09/19	24/09/19	
400	130893	1st Fix Mechanical	5w	25/09/19	29/10/19	
401	130943	1st Fix Electrical	5w	25/09/19	29/10/19	
402	130743	1st Side Partitions Incl High Level Cut (inc patressing)	1w 2d	02/10/19	10/10/19	1w 3d
403	130953	Fire tape partition high level cut	1w	08/10/19	14/10/19	1w 3d
404	130983	Mechanical 2nd Fix Level	5w	25/10/19	28/11/19	
405	130993	Electrical 2nd Fix Level	5w	25/10/19	28/11/19	
406	131003	2nd Side Partitions (inc complete patressing)	1w	08/11/19	14/11/19	
407	131013	Fire / Accoustic protection	2w	19/11/18	30/11/18	49w 1d
408	131023	Taping to Partitions	1w	15/11/19	21/11/19	
409	131033	Mist Coat Decoration	1w	22/11/19	28/11/19	
410	131043	Fix IPS Frames	4d	26/11/19	29/11/19	



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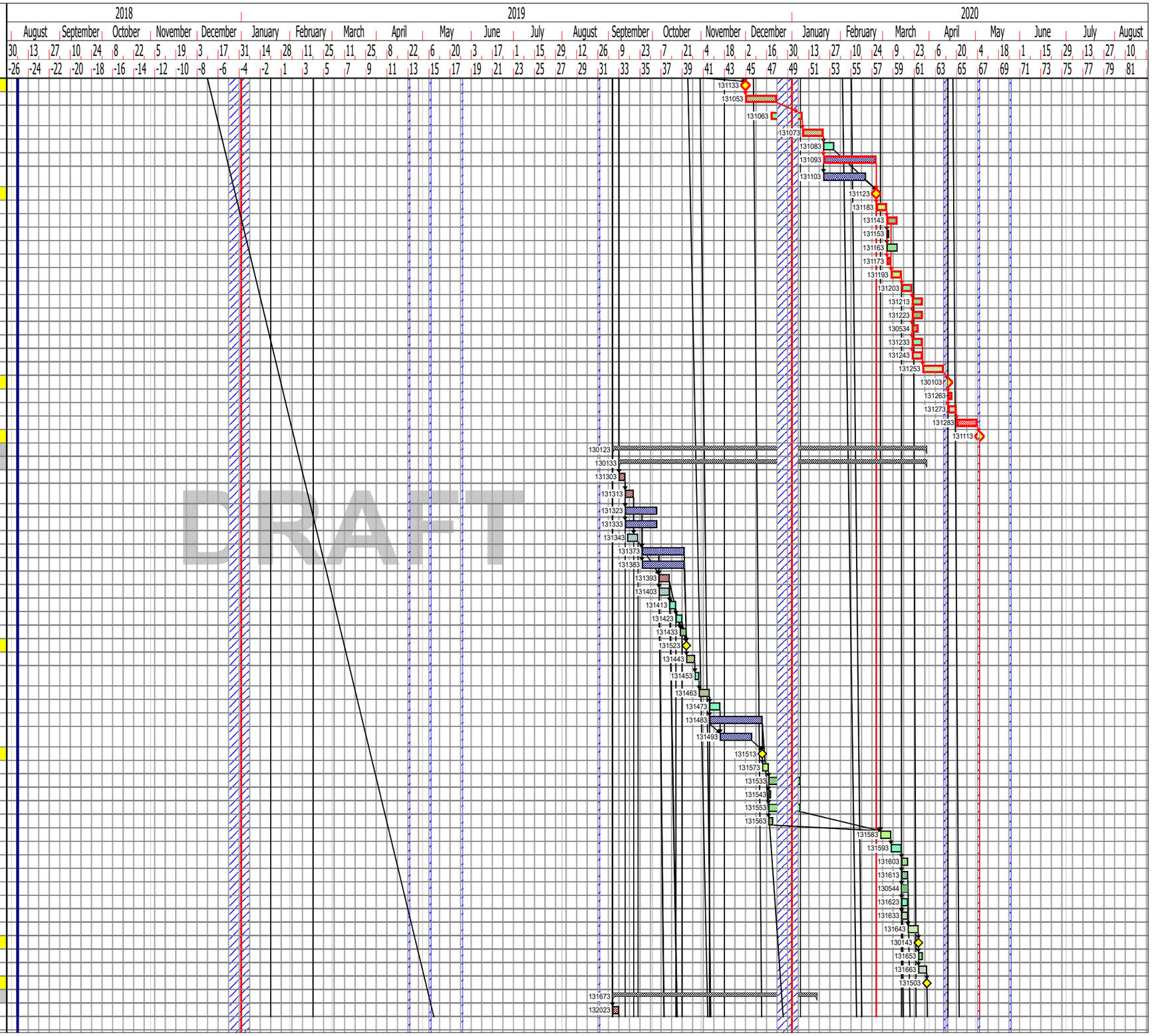
411	131133	Above Ceiling Sign Off		29/11/19	29/11/19	
412	131053	MF Ceilings to theatres & prep	3w	02/12/19	20/12/19	
413	131063	Taping & Mist & First Coat Decoration to MF Ceiling	1w	18/12/19	07/01/20	
414	131073	Ceiling grids & service tiles	2w	08/01/20	21/01/20	
415	131083	Wall Coverings to theatres	1w	22/01/20	28/01/20	4w
416	131093	M&E ceiling services	5w	22/01/20	25/02/20	
417	131103	Mechanical & Electrical Final Fix (inc sanitaryware)	4w	22/01/20	18/02/20	1w
418	131123	Power On - Zone 3		26/02/20	26/02/20	
419	131183	Latex screed & DPM to floors	1w	26/02/20	03/03/20	
420	131143	Joinery Works (Doors/Architraves/Windows)	1w	04/03/20	10/03/20	
421	131153	FF & E plinths	1d	04/03/20	04/03/20	21w 3d
422	131163	FF & E	1w	04/03/20	10/03/20	21w 3d
423	131173	IPS Completions (Boarding out & Facings)	2d	04/03/20	05/03/20	
424	131193	Floor Coverings	1w	06/03/20	12/03/20	
425	131203	2nd Coat Decoration	1w	13/03/20	19/03/20	
426	131213	Wall protection & bump rails	1w	20/03/20	26/03/20	
427	131223	Rehang Doors & Service hatches	1w	20/03/20	26/03/20	
428	130534	M&E - Door Access Control Installation	3d	20/03/20	24/03/20	
429	131233	Final Decoration (Touch Ups)	1w	20/03/20	26/03/20	
430	131243	Builders Clean	1w	20/03/20	26/03/20	
431	131253	Snagging	2w	27/03/20	09/04/20	
432	130103	Zone 3 - Group 2 Delivery Date		14/04/20	14/04/20	
433	131263	Group 2 install	2d	14/04/20	15/04/20	
434	131273	Final Clean (non clinical clean)	4d	14/04/20	17/04/20	
435	131283	Commissioning to rooms 109 - 115 (theatres)	2w	20/04/20	01/05/20	
436	131113	Zone 3 - theatre - Room Lockdown		05/05/20	05/05/20	
437	130123	Level 2	27w 4d	04/09/19	31/03/20	18w 4d
438	130133	Zone 4 - staff area	27w 1d	09/09/19	31/03/20	6w
439	131303	Install Headtrack - inc rockwool profiles	3d	09/09/19	11/09/19	8w 4d
440	131313	1st Side Partitions Incl High Level Cut (inc patressing)	4d	12/09/19	17/09/19	10w 4d
441	131323	1st Fix Mechanical	3w	12/09/19	02/10/19	8w 4d
442	131333	1st Fix Electrical	3w	12/09/19	02/10/19	9w
443	131343	Fire tape partition high level cut	1w	13/09/19	19/09/19	10w 4d
444	131373	Mechanical 2nd Fix Level	4w	24/09/19	21/10/19	8w 4d
445	131383	Electrical 2nd Fix Level	4w	24/09/19	21/10/19	9w
446	131393	2nd Side Partitions (inc complete patressing)	1w	04/10/19	10/10/19	8w 4d
447	131403	Fire / Accoustic protection	1w	04/10/19	10/10/19	10w 2d
448	131413	Taping to Partitions	3d	11/10/19	15/10/19	8w 4d
449	131423	Mist Coat Decoration	3d	16/10/19	18/10/19	8w 4d
450	131433	Fix IPS Frames	3d	18/10/19	22/10/19	8w 4d
451	131523	Above Ceiling Sign Off		22/10/19	22/10/19	8w 4d
452	131443	MF Ceilings & Bulkheads	4d	23/10/19	28/10/19	8w 4d
453	131453	Taping & Mist & First Coat Decoration to MF Ceiling	2d	29/10/19	30/10/19	8w 4d
454	131463	Ceiling grids	1w	31/10/19	06/11/19	8w 4d
455	131473	Wall Coverings to Toilets	1w	07/11/19	13/11/19	13w 2d
456	131483	M&E ceiling services	5w	07/11/19	11/12/19	8w 4d
457	131493	Mechanical & Electrical Final Fix (inc sanitaryware)	3w	14/11/19	04/12/19	13w 2d
458	131513	Power On - Zone 4		12/12/19	12/12/19	12w 2d
459	131573	Latex screed & DPM to floors	3d	12/12/19	16/12/19	12w 2d
460	131533	Joinery Works (Doors/Architraves/Windows)	1w	17/12/19	06/01/20	12w 2d
461	131543	FF & E plinths	1d	17/12/19	17/12/19	12w 2d
462	131553	FF & E	1w	17/12/19	06/01/20	12w 2d
463	131563	IPS Completions (Boarding out & Facings)	2d	17/12/19	18/12/19	13w
464	131583	Floor Coverings	1w	28/02/20	05/03/20	4w 4d
465	131593	2nd Coat Decoration	1w	06/03/20	12/03/20	4w 4d
466	131603	Wall protection & bump rails	3d	13/03/20	17/03/20	6w
467	131613	Rehang Doors	3d	13/03/20	17/03/20	6w
468	130544	M&E - Door Access Control Installation	3d	13/03/20	17/03/20	6w
469	131623	Final Decoration (Touch Ups)	3d	13/03/20	17/03/20	6w
470	131633	Builders Clean	3d	13/03/20	17/03/20	6w
471	131643	Snagging	1w	18/03/20	24/03/20	6w
472	130143	Zone 4 - Group 2 Delivery Date		25/03/20	25/03/20	6w
473	131653	Group 2 install	2d	25/03/20	26/03/20	6w
474	131663	Final Clean (non clinical clean)	4d	25/03/20	30/03/20	6w
475	131503	Zone 4 - staff area - Room Lockdown		31/03/20	31/03/20	6w
476	131673	Zone 5 - Plantrooms	17w 2d	04/09/19	17/01/20	29w 1d
477	132023	Install Headtrack - inc rockwool profiles	3d	04/09/19	06/09/19	44w 4d



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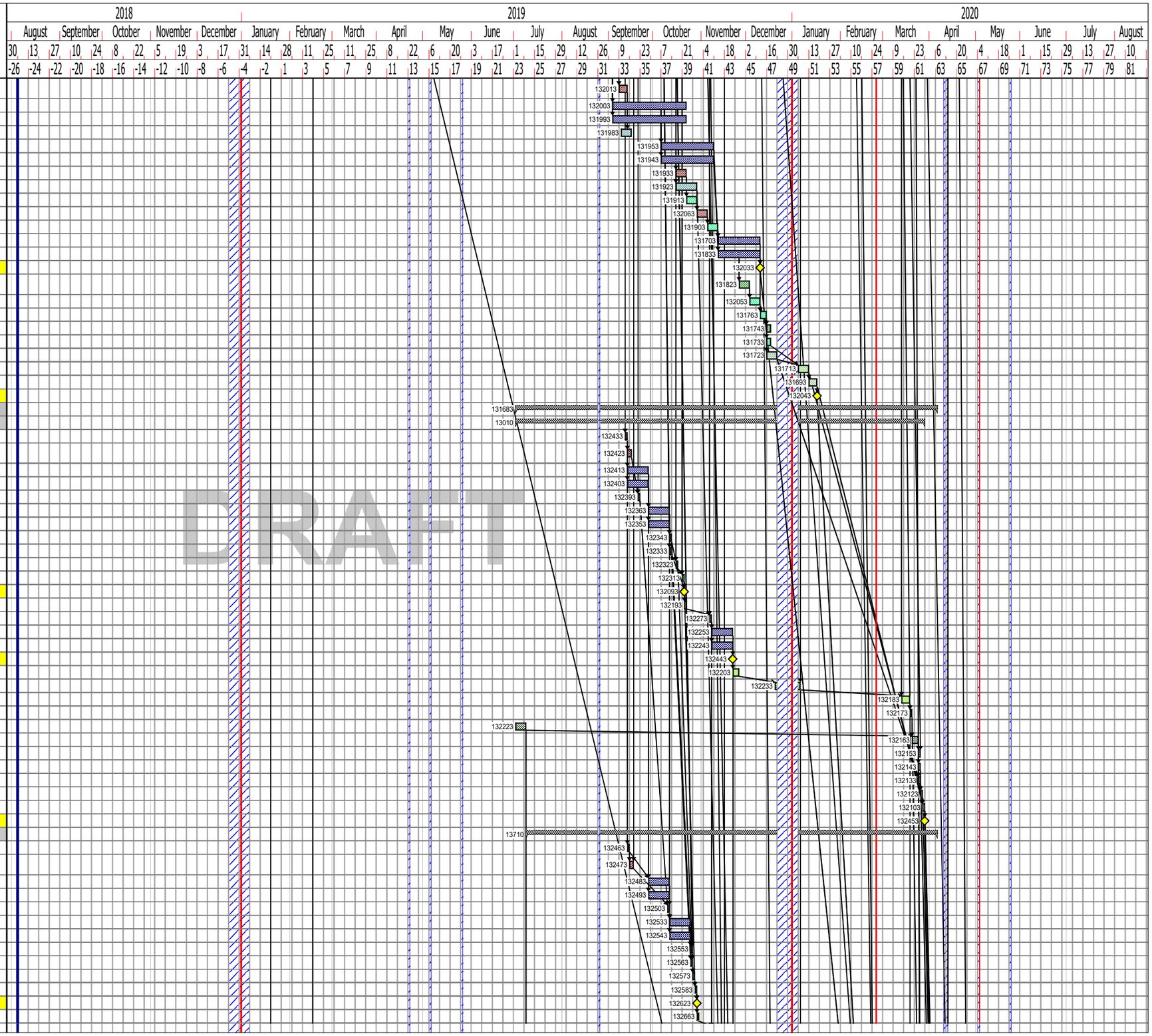
478	132013	1st Side Partitions Incl High Level Cut (inc patressing)	4d	09/09/19	12/09/19	44w 4d
479	132003	1st Fix Mechanical inc install external plant	7w	04/09/19	22/10/19	9w
480	131993	1st Fix Electrical	7w	04/09/19	22/10/19	9w
481	131983	Fire tape partition high level cut	1w	10/09/19	16/09/19	44w 4d
482	131953	Mechanical 2nd Fix Level	5w	07/10/19	08/11/19	9w
483	131943	Electrical 2nd Fix Level	5w	07/10/19	08/11/19	9w
484	131933	2nd Side Partitions (inc complete patressing)	1w	16/10/19	22/10/19	9w
485	131923	Fire / Accoustic protection	2w	16/10/19	29/10/19	9w
486	131913	Taping to Partitions	1w	23/10/19	29/10/19	9w
487	132063	Blockwork to bund walls	1w	30/10/19	05/11/19	9w
488	131903	Mist Coat Decoration	1w	06/11/19	12/11/19	9w
489	131703	Electrical Final Fix	4w	13/11/19	10/12/19	9w
490	131833	Mechanical Final Fix	4w	13/11/19	10/12/19	9w
491	132033	Power On - Zone 5		11/12/19	11/12/19	9w
492	131823	Joinery Works (Doors/Architraves/Windows/external plantroom steps)	1w	27/11/19	03/12/19	13w 1d
493	132053	Epoxy coatings to floors	1w	04/12/19	10/12/19	13w 1d
494	131763	2nd Coat Decoration	3d	11/12/19	13/12/19	13w 1d
495	131743	Rehang Doors	2d	16/12/19	17/12/19	13w 1d
496	131733	Final Decoration (Touch Ups)	2d	16/12/19	17/12/19	13w 4d
497	131723	Builders Clean	1w	16/12/19	20/12/19	13w 1d
498	131713	Snagging	1w	06/01/20	10/01/20	13w 1d
499	131693	Final Clean (non clinical clean)	4d	13/01/20	16/01/20	13w 1d
500	132043	Zone 5 - Plantrooms - Room Lockdown		17/01/20	17/01/20	13w 1d
501	131683	Stair Cores	37w 4d	02/07/19	07/04/20	17w 4d
502	13010	Stair 1 - core	36w 3d	02/07/19	30/03/20	16w 1d
503	132433	Install Headtrack - inc rockwool profiles	1d	12/09/19	12/09/19	17w 2d
504	132423	1st Side Partitions Incl High Level Cut (inc patressing)	2d	13/09/19	16/09/19	41w 4d
505	132413	1st Fix Mechanical	2w	13/09/19	26/09/19	17w 2d
506	132403	1st Fix Electrical	2w	13/09/19	26/09/19	17w 2d
507	132393	Fire tape partition high level cut	1d	20/09/19	20/09/19	41w 1d
508	132363	Mechanical 2nd Fix Level	2w	27/09/19	10/10/19	17w 4d
509	132353	Electrical 2nd Fix Level	2w	27/09/19	10/10/19	17w 2d
510	132343	2nd Side Partitions (inc complete patressing)	1d	11/10/19	11/10/19	17w 2d
511	132333	Fire / Accoustic protection	1d	11/10/19	11/10/19	17w 4d
512	132323	Taping to Partitions	1d	16/10/19	16/10/19	17w
513	132313	Mist Coat Decoration	1d	21/10/19	21/10/19	16w 3d
514	132093	Above Ceiling Sign Off		21/10/19	21/10/19	16w 3d
515	132193	Latex screed & DPM to floors	1d	22/10/19	22/10/19	16w 3d
516	132273	Ceiling grids & service tile	1d	07/11/19	07/11/19	14w 2d
517	132253	M&E ceiling services	2w	08/11/19	21/11/19	14w 2d
518	132243	Mechanical & Electrical Final Fix	2w	08/11/19	21/11/19	14w 2d
519	132443	Power On		22/11/19	22/11/19	16w 4d
520	132203	Stair nosings & edgings	3d	22/11/19	26/11/19	16w 4d
521	132233	Joinery Works (Doors/Architraves/Windows)	2d	20/12/19	06/01/20	13w 2d
522	132183	Floor Coverings	4d	13/03/20	18/03/20	3w 4d
523	132173	2nd Coat Decoration	1d	19/03/20	19/03/20	4w
524	132223	Ballustrading	1w	02/07/19	08/07/19	38w
525	132163	Glass to balustrading & wall handrails	3d	20/03/20	24/03/20	4w
526	132153	Rehang Doors	1d	25/03/20	25/03/20	4w 4d
527	132143	Final Decoration (Touch Ups)	1d	25/03/20	25/03/20	4w 4d
528	132133	Builders Clean	1d	25/03/20	25/03/20	4w 4d
529	132123	Snagging	1d	26/03/20	26/03/20	4w 4d
530	132103	Final Clean (non clinical clean)	1d	27/03/20	27/03/20	4w 4d
531	132453	Stair 1 - core - Room Lockdown		30/03/20	30/03/20	5w
532	13710	Stair 2 - core	36w 4d	09/07/19	07/04/20	17w 4d
533	132463	Install Headtrack - inc rockwool profiles	1d	13/09/19	13/09/19	40w
534	132473	1st Side Partitions Incl High Level Cut (inc patressing)	2d	16/09/19	17/09/19	41w 4d
535	132483	1st Fix Mechanical	2w	27/09/19	10/10/19	38w 1d
536	132493	1st Fix Electrical	2w	27/09/19	10/10/19	38w 1d
537	132503	Fire tape partition high level cut	1d	10/10/19	10/10/19	38w 3d
538	132533	Mechanical 2nd Fix High Level	2w	11/10/19	24/10/19	38w 3d
539	132543	Electrical 2nd Fix High Level	2w	11/10/19	24/10/19	38w 1d
540	132553	2nd Side Partitions (inc complete patressing)	1d	25/10/19	25/10/19	38w 1d
541	132563	Fire / Accoustic protection	1d	25/10/19	25/10/19	38w 3d
542	132573	Taping to Partitions	1d	28/10/19	28/10/19	38w 1d
543	132583	Mist Coat Decoration	1d	29/10/19	29/10/19	38w 1d
544	132623	Above Ceiling Sign Off		29/10/19	29/10/19	38w 1d
545	132663	Latex screed & DPM to floors	1d	30/10/19	30/10/19	38w 1d



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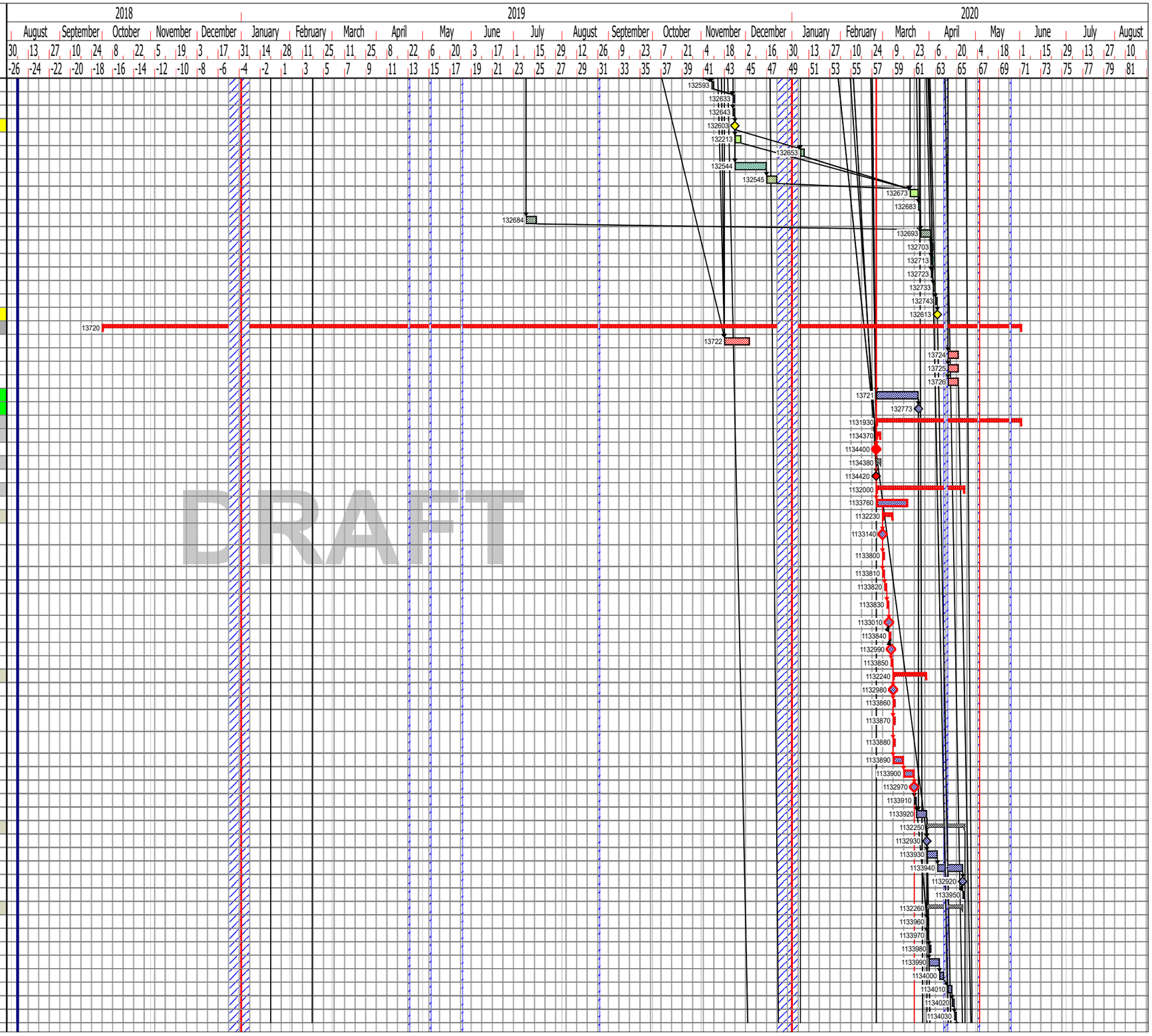
546	132593	Ceiling grids	1d	08/11/19	08/11/19	36w 4d
547	132633	M&E ceiling services	1d	22/11/19	22/11/19	35w
548	132643	Mechanical & Electrical Final Fix	1d	22/11/19	22/11/19	14w 2d
549	132603	Power On		25/11/19	25/11/19	14w 2d
550	132213	Stair nosings & edgings	3d	25/11/19	27/11/19	17w 4d
551	132653	Joinery Works (Doors/Architraves/Windows)	2d	07/01/20	08/01/20	13w 4d
552	132544	Install passenger lift	3w	25/11/19	13/12/19	14w 2d
553	132545	Complete partitions and ceilings around lift	1w	16/12/19	20/12/19	14w 2d
554	132673	Floor Coverings	4d	19/03/20	24/03/20	3w 4d
555	132683	2nd Coat Decoration	1d	25/03/20	25/03/20	3w 4d
556	132684	Ballustrading	1w	09/07/19	15/07/19	38w
557	132693	Glass to ballustrade & wall handrails	1w	26/03/20	01/04/20	3w 4d
558	132703	Rehang Doors	1d	02/04/20	02/04/20	3w 4d
559	132713	Final Decoration (Touch Ups)	1d	02/04/20	02/04/20	3w 4d
560	132723	Builders Clean	1d	02/04/20	02/04/20	3w 4d
561	132733	Snagging	1d	03/04/20	03/04/20	3w 4d
562	132743	Final Clean (non clinical clean)	1d	06/04/20	06/04/20	3w 4d
563	132613	Stair 2 - core - Room Lockdown		07/04/20	07/04/20	3w 4d
564	**13720**	**Specialist Works**	**81w 3d**	**01/10/18**	**02/06/20**	**10w 3d**
565	13722	Building Fire Audit	2w 2d	18/11/19	03/12/19	33w 3d
566	13724	Air Permeability test	1w	14/04/20	20/04/20	5w 3d
567	13725	Accoustic testing	1w	14/04/20	20/04/20	5w 3d
568	13726	Thermographic testing	1w	14/04/20	20/04/20	5w 3d
569	13721	Electrical Testing/Mechanical Pre-commissioning	20d	26/02/2020	24/03/2020	25d
570	132773	Power On		25/03/2020	25/03/2020	25d
571	**1131930**	**M&E Commissioning Activities**	**13w**	**26/02/20**	**02/06/20**	**10w 3d**
572	**1134370**	**Electrical Static Completion**		**26/02/20**	**26/02/20**	
573	1134400	Electical Final Fix Complete		26/02/20	26/02/20	
574	**1134380**	**Mechanical Static Completion**		**26/02/20**	**26/02/20**	
575	1134420	Mechanical Final Fix Complete		26/02/20	26/02/20	7w 3d
576	**1132000**	**Electrical Commissioning**	**8w**	**26/02/20**	**23/04/20**	**15w 3d**
577	1133760	Electrical Dead Testing	3w	26/02/20	17/03/20	
578	**1132230**	**LV Panel**	**1w**	**02/03/20**	**06/03/20**	
579	1133140	Visual inspection of panel for mechanical and electrical soundness complete		02/03/20	02/03/20	
580	1133800	LV Protection Settings adjusted to suit design	1d	02/03/20	02/03/20	
581	1133810	Dead test panel	1d	02/03/20	02/03/20	
582	1133820	Test earthing network connections	1d	03/03/20	03/03/20	
583	1133830	Dead test panel outgoing cables & Busbar	1d	04/03/20	04/03/20	
584	1133010	Power available from transformer		05/03/20	05/03/20	
585	1133840	Energise panel	1d	05/03/20	05/03/20	
586	1132990	Power available		06/03/20	06/03/20	
587	1133850	energise outgoing	1d	06/03/20	06/03/20	
588	**1132240**	**Distribution boards**	**3w 1d**	**09/03/20**	**30/03/20**	**5w**
589	1132980	Power available To DBs		09/03/20	09/03/20	
590	1133860	Pre-commissioning checklist	1d	09/03/20	09/03/20	
591	1133870	Visual inspection of distribution board for mechanical and electrical soundness	1d	09/03/20	09/03/20	
592	1133880	Check protection device ratings and types against design	1d	09/03/20	09/03/20	
593	1133890	Dead test distribution boards	1w	09/03/20	13/03/20	
594	1133900	Dead test outgoing final circuits	1w	16/03/20	20/03/20	
595	1132970	Energise distribution boards		20/03/20	20/03/20	
596	1133910	Energise outgoing sub-circuits	1d	23/03/20	23/03/20	5w
597	1133920	Live testing of outgoing final circuits	1w	24/03/20	30/03/20	5w
598	**1132250**	**Lighting and Emergency Lighting**	**3w 1d**	**31/03/20**	**23/04/20**	**5w**
599	1132930	Power Available		31/03/20	31/03/20	5w
600	1133930	Dead Test Lighting	1w	31/03/20	06/04/20	5w
601	1133940	Live Test Lighting	2w	07/04/20	22/04/20	5w
602	1132920	Emergency Lighting Test		23/04/20	23/04/20	5w
603	1133950	3 Hour Emergency Lux Level Test	1d	23/04/20	23/04/20	5w
604	**1132260**	**Fire Alarm Systems**	**3w**	**31/03/20**	**22/04/20**	**5w 1d**
605	1133960	Pre-commissioning checklist	1d	31/03/20	31/03/20	5w 1d
606	1133970	Testing of cable loop installations	1d	31/03/20	31/03/20	5w 1d
607	1133980	Device setting	1d	01/04/20	01/04/20	5w 1d
608	1133990	Device testing	1w	01/04/20	07/04/20	5w 1d
609	1134000	Commission Fire Alarm Panels	2d	08/04/20	09/04/20	5w 1d
610	1134010	Verify Interfaces	2d	14/04/20	15/04/20	5w 1d
611	1134020	Sounder Audibility Testing	1d	16/04/20	16/04/20	5w 1d
612	1134030	Initial FA Cause & Effect Test	1d	17/04/20	17/04/20	5w 1d



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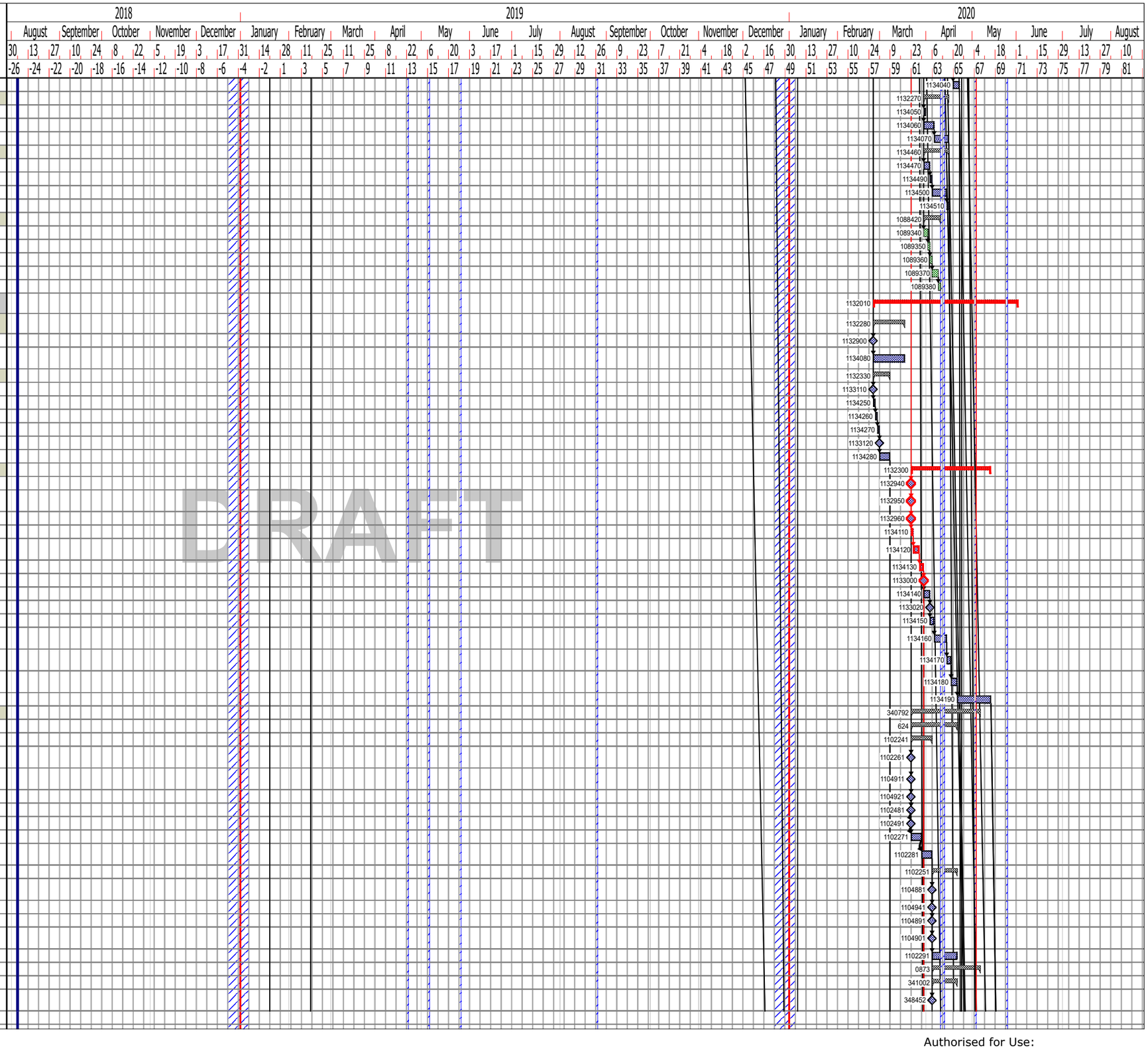
613	1134040	Prove Links to Site Wide Systems	3d	20/04/20	22/04/20	5w 1d
614	1132270	**Data Testing & Commissioning**	2w	31/03/20	15/04/20	6w 1d
615	1134050	Pre-commissioning checklist	1d	31/03/20	31/03/20	6w 1d
616	1134060	Testing of cables	1w	31/03/20	06/04/20	6w 1d
617	1134070	Prove Links to Site Wide Systems	1w	07/04/20	15/04/20	6w 1d
618	1134460	**Nurse Call Systems**	2w	31/03/20	15/04/20	16w 4d
619	1134470	Testing of Cable Installation	3d	31/03/20	02/04/20	84d
620	1134490	Commission Nurse Call Panel	1d	03/04/20	03/04/20	84d
621	1134500	Test and Prove Network Cabling	1w	06/04/20	14/04/20	84d
622	1134510	Cause and Effect Test	1d	15/04/20	15/04/20	84d
623	1088420	**Disabled Alarm Systems**	1w 3d	31/03/20	09/04/20	17w 1d
624	1089340	Testing of Cable Installation	2d	31/03/20	01/04/20	86d
625	1089350	Device Setting	1d	02/04/20	02/04/20	86d
626	1089360	Commission Disabled Alarm Panel	1d	03/04/20	03/04/20	86d
627	1089370	Test and Prove Network Cabling	3d	06/04/20	08/04/20	86d
628	1089380	Cause and Effect Test	1d	09/04/20	09/04/20	86d
629	1132010	**Mechanical and Public Health Commissioning**	13w	26/02/20	01/06/20	10w 3d
630	1132280	**Above Ground Drainage - Soil & Vent Stacks**	3w	26/02/20	17/03/20	20w 3d
631	1132900	Sanitaryware Installation Complete		26/02/20	26/02/20	7w 3d
632	1134080	Pneumatic & Hydraulic Test of AGD Soil & Vent Stacks	3w	26/02/20	17/03/20	20w 3d
633	1132330	**Water Storage Tanks**	1w 3d	26/02/20	06/03/20	7w 3d
634	1133110	Visual Inspection & Pre-commisioning checklist		26/02/20	26/02/20	7w 3d
635	1134250	Tank Sterile Clean	1d	26/02/20	26/02/20	7w 3d
636	1134260	Tank Soak Test	1d	27/02/20	27/02/20	7w 3d
637	1134270	Tank Disinfection	1d	28/02/20	28/02/20	7w 3d
638	1133120	Tanks Available		02/03/20	02/03/20	7w 3d
639	1134280	Analysis samples	1w	02/03/20	06/03/20	7w 3d
640	1132300	**BMS System**	7w	23/03/20	13/05/20	2w 2d
641	1132940	Complete Pre-commissioning Checklist		23/03/20	23/03/20	
642	1132950	Visual Inspection BMS Panel For Mechanical & Electrical Soundness		23/03/20	23/03/20	
643	1132960	Energise Panel		23/03/20	23/03/20	
644	1134110	Test & Prove Network Cabling	1d	23/03/20	23/03/20	
645	1134120	Test & Prove Field Equipment (Sensors / Actuators / Meters)	3d	24/03/20	26/03/20	
646	1134130	Point Test & Commission	2d	27/03/20	30/03/20	
647	1133000	Pre-commissioning of plant and run test		31/03/20	31/03/20	
648	1134140	Test & Calibrate BMS Inputs & Alarms	3d	31/03/20	02/04/20	2w 2d
649	1133020	BMS Head-End PC Available & Energised		03/04/20	03/04/20	2w 2d
650	1134150	Pre-commission BMS Head-End	2d	03/04/20	06/04/20	2w 2d
651	1134160	Commission Interfaces (Monitoring / Metering)	4d	07/04/20	14/04/20	2w 2d
652	1134170	Testing & Proving of BMS Graphics Interface	2d	15/04/20	16/04/20	2w 2d
653	1134180	Point To Point Verification & System Proving	3d	17/04/20	21/04/20	2w 2d
654	1134190	Metering Point Functionality Verification	3w	22/04/20	13/05/20	2w 2d
655	340792	**Heating & Cooling Systems**	6w	23/03/20	06/05/20	14w
656	624	**Chilled Water System**	4w	23/03/20	21/04/20	16w
657	1102241	**Water Treatment & Chemical Cleaning**	10d	23/03/20	03/04/20	14w
658	110226	System installation complete (static completion)		23/03/20	23/03/20	14w
659	110491	All new pipework completed & pressure tested		23/03/20	23/03/20	14w
660	110492	Power Available		23/03/20	23/03/20	14w
661	110248	Energise & Set pumps to work		23/03/20	23/03/20	14w
662	110249	Isolate terminal unit plant items		23/03/20	23/03/20	14w
663	110227	static flush	1w	23/03/20	27/03/20	14w
664	110228	Dynamic flush, chemical clean, Back Flush & dose	1w	30/03/20	03/04/20	14w
665	1102251	**Chilled Water System**	2w	03/04/20	21/04/20	16w
666	110488	Cooling System Installation & Water Treatment Complete (static completion)		03/04/20	03/04/20	16w
667	110494	Power Available		03/04/20	03/04/20	16w
668	110489	Run Pumps		03/04/20	03/04/20	16w
669	110490	Pressurisation Unit Commissionied & available		03/04/20	03/04/20	16w
670	110229	Balance of Cooling System	2w	06/04/20	21/04/20	16w
671	0873	**Heating System**	4w	03/04/20	06/05/20	14w
672	341002	**Water Treatment & Chemical Cleaning**	2w	03/04/20	21/04/20	14w
673	348452	System installation complete (static completion)		03/04/20	03/04/20	14w



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MANAGER: AMcT

PROG NO.:
GJ1-KCSNE-ZZ-ZZ-PR-W-8065-0001

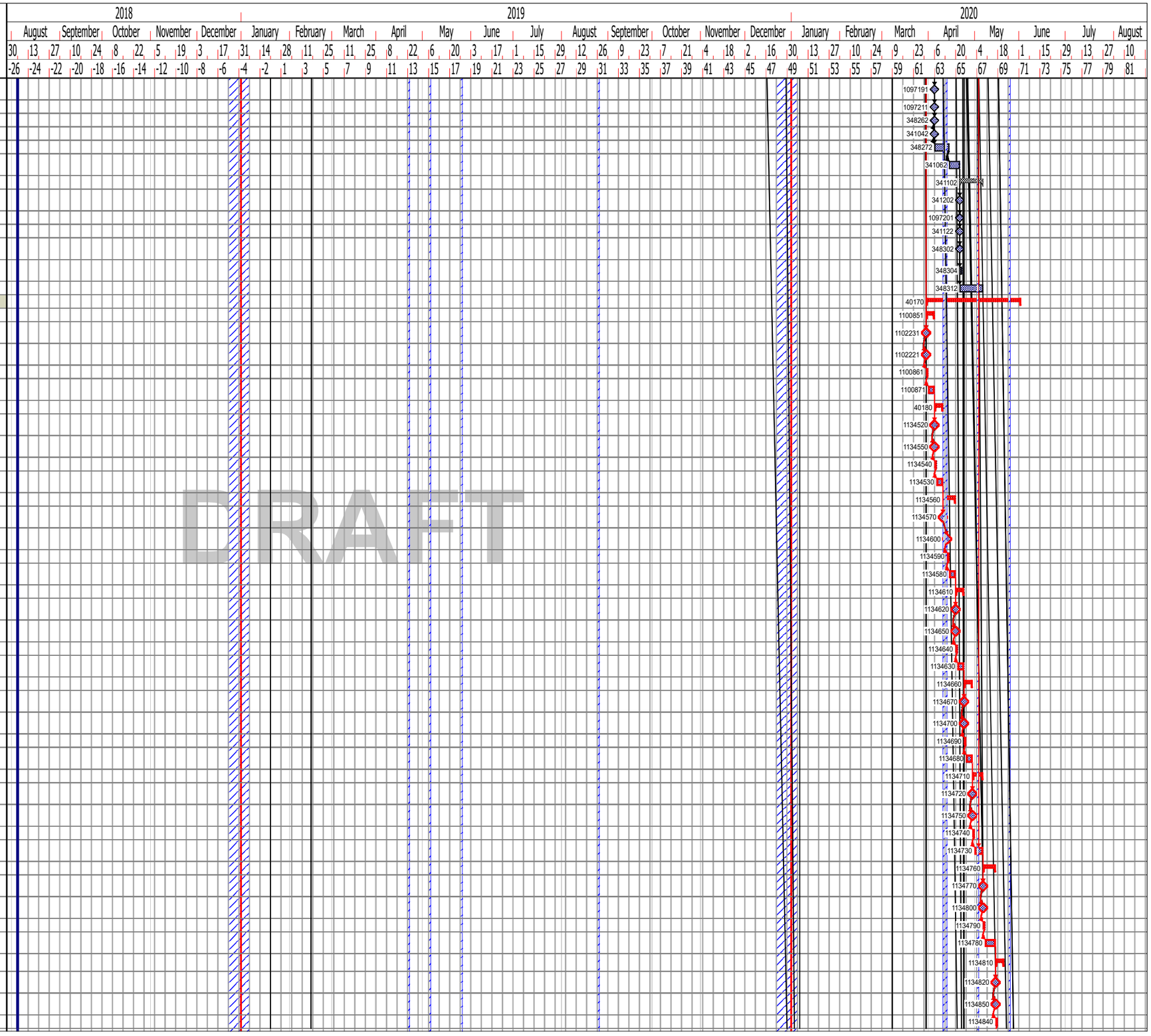
REVISION: D10.0.6

REVISION DATE: 11/10/2018

REVISION COMMENT: Construction Programme

Authorised for Use:

Line	Unique Task ID	Name	Duration	Start	Finish	Total float
674	109719	All pipework completed & pressure tested		03/04/20	03/04/20	14w
675	109721	Power Available		03/04/20	03/04/20	14w
676	348262	Energise & Set pumps to work		03/04/20	03/04/20	14w
677	341042	Isolate terminal unit plant items		03/04/20	03/04/20	14w
678	348272	static flush	1w	06/04/20	14/04/20	14w
679	341062	Dynamic flush, chemical clean, Back Flush & dose	1w	15/04/20	21/04/20	14w
680	**341102**	**Heating System**	**2w**	**21/04/20**	**06/05/20**	**14w**
681	341202	Heating System Installation & Water Treatment Complete (static completion)		21/04/20	21/04/20	14w
682	109720	Power Available		22/04/20	22/04/20	14w
683	341122	Run Pumps		22/04/20	22/04/20	14w
684	348302	Pressurisation Unit Commissionied & available		22/04/20	22/04/20	14w
685	348304	Set pumps to work to maintain existing measured differenial pressure	1d	22/04/20	22/04/20	15w 4d
686	348312	Balance of Heating System	2w	22/04/20	06/05/20	14w
687	**40170**	**Ventilation Systems**	**8w 1d**	**31/03/20**	**01/06/20**	
688	**1100851**	**Ventilation - AHU Nr 01 - Theatre**	**4d**	**31/03/20**	**03/04/20**	
689	1102231	Ventilation system installation complete & Clean (static completion)		31/03/20	31/03/20	
690	1102221	Building to be Clean & Dust Free to allow Commissioning		31/03/20	31/03/20	
691	1100861	Run AHUs	1d	31/03/20	31/03/20	
692	1100871	Balance of supply & extract ventilation system	3d	01/04/20	03/04/20	
693	**40180**	**Ventilation - AHU Nr 02 - Theatre**	**4d**	**03/04/20**	**09/04/20**	
694	1134520	Ventilation system installation complete & Clean (static completion)		03/04/20	03/04/20	
695	1134550	Building to be Clean & Dust Free to allow Commissioning		06/04/20	06/04/20	
696	1134540	Run AHUs	1d	06/04/20	06/04/20	
697	1134530	Balance of supply & extract ventilation system	3d	07/04/20	09/04/20	
698	**1134560**	**Ventilation - AHU Nr 03 - Theatre**	**4d**	**09/04/20**	**17/04/20**	
699	1134570	Ventilation system installation complete & Clean (static completion)		09/04/20	09/04/20	
700	1134600	Building to be Clean & Dust Free to allow Commissioning		14/04/20	14/04/20	
701	1134590	Run AHUs	1d	14/04/20	14/04/20	
702	1134580	Balance of supply & extract ventilation system	3d	15/04/20	17/04/20	
703	**1134610**	**Ventilation - AHU Nr 04 - Theatre**	**4d**	**17/04/20**	**23/04/20**	
704	1134620	Ventilation system installation complete & Clean (static completion)		17/04/20	17/04/20	
705	1134650	Building to be Clean & Dust Free to allow Commissioning		20/04/20	20/04/20	
706	1134640	Run AHUs	1d	20/04/20	20/04/20	
707	1134630	Balance of supply & extract ventilation system	3d	21/04/20	23/04/20	
708	**1134660**	**Ventilation - AHU Nr 05 - Theatre**	**4d**	**23/04/20**	**29/04/20**	
709	1134670	Ventilation system installation complete & Clean (static completion)		23/04/20	23/04/20	
710	1134700	Building to be Clean & Dust Free to allow Commissioning		24/04/20	24/04/20	
711	1134690	Run AHUs	1d	24/04/20	24/04/20	
712	1134680	Balance of supply & extract ventilation system	3d	27/04/20	29/04/20	
713	**1134710**	**Ventilation - AHU Nr 06 - Theatre**	**4d**	**29/04/20**	**06/05/20**	
714	1134720	Ventilation system installation complete & Clean (static completion)		29/04/20	29/04/20	
715	1134750	Building to be Clean & Dust Free to allow Commissioning		30/04/20	30/04/20	
716	1134740	Run AHUs	1d	30/04/20	30/04/20	
717	1134730	Balance of supply & extract ventilation system	3d	01/05/20	06/05/20	
718	**1134760**	**Ventilation - AHU Nr 07 - General Areas**	**1w 1d**	**06/05/20**	**14/05/20**	
719	1134770	Ventilation system installation complete & Clean (static completion)		06/05/20	06/05/20	
720	1134800	Building to be Clean & Dust Free to allow Commissioning		07/05/20	07/05/20	
721	1134790	Run AHUs	1d	07/05/20	07/05/20	
722	1134780	Balance of supply & extract ventilation system	1w	08/05/20	14/05/20	
723	**1134810**	**Ventilation - AHU Nr 08 - Changing Rooms & Staff Rooms**	**4d**	**14/05/20**	**20/05/20**	
724	1134820	Ventilation system installation complete & Clean (static completion)		14/05/20	14/05/20	
725	1134850	Building to be Clean & Dust Free to allow Commissioning		15/05/20	15/05/20	
726	1134840	Run AHUs	1d	15/05/20	15/05/20	



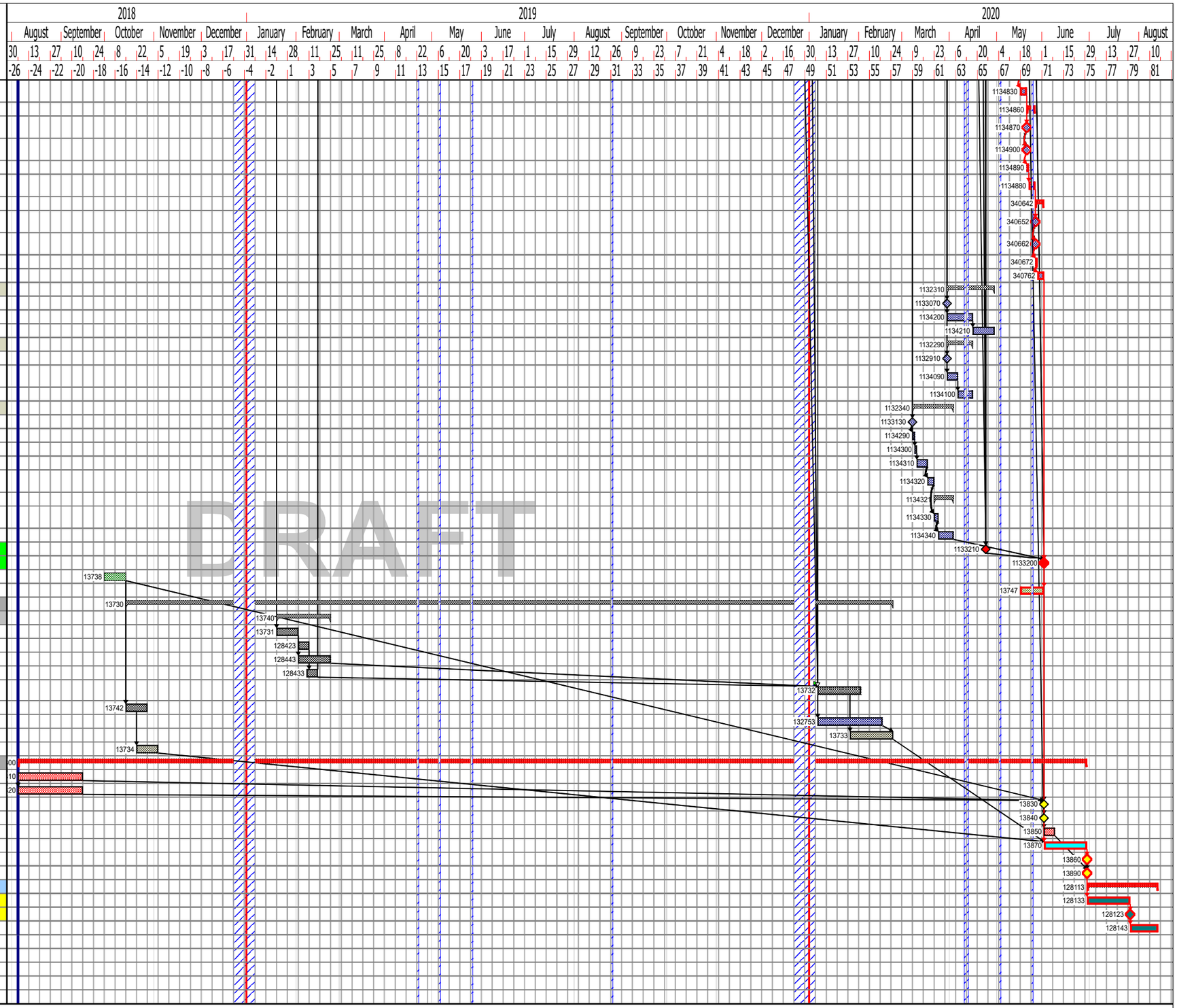
KIER DRAFT

Golden Jubilee Foundation Expansion
STAGE 4 - CONSTRUCTION Programme
NHS Golden Jubilee Foundation

DRAFT

Golden Jubilee Foundation

Line	Unique Task ID	Name	Duration	Start	Finish	Total float
727	1134830	Balance of supply & extract ventilation system	3d	18/05/20	20/05/20	
728	**1134860**	**Ventilation - AHU Nr 09 - Atrium Ceiling Void**	**3d**	**20/05/20**	**26/05/20**	
729	1134870	Ventilation system installation complete & Clean (static completion)		20/05/20	20/05/20	
730	1134900	Building to be Clean & Dust Free to allow Commissioning		21/05/20	21/05/20	
731	1134890	Run AHUs	1d	21/05/20	21/05/20	
732	1134880	Balance of supply & extract ventilation system	2d	22/05/20	26/05/20	
733	**340642**	**Ventilation - Toilet Extract Systems**	**4d**	**26/05/20**	**01/06/20**	
734	340652	Ventilation system installation complete (static completion)		26/05/20	26/05/20	
735	340662	Building to be Clean & Dust Free Prior to Commissioning		27/05/20	27/05/20	
736	340672	Run Fans	1d	27/05/20	27/05/20	
737	340762	Balance of ventilation system	3d	28/05/20	01/06/20	
738	**1132310**	**DX Cooling System**	**4w**	**31/03/20**	**29/04/20**	**14w 4d**
739	1133070	Complete Pre-commissioning Checklist		31/03/20	31/03/20	14w 4d
740	1134200	Pressure Test System	2w	31/03/20	15/04/20	14w 4d
741	1134210	Commission Cooling System	2w	16/04/20	29/04/20	14w 4d
742	**1132290**	**Medical Gases**	**2w**	**31/03/20**	**15/04/20**	**16w 4d**
743	1132910	Complete Pre-commissioning Checklist		31/03/20	31/03/20	16w 4d
744	1134090	Pneumatic / Strength Pressure Test System	1w	31/03/20	06/04/20	16w 4d
745	1134100	Purge of System /Commissioning	1w	07/04/20	15/04/20	16w 4d
746	**1132340**	**DHCWS Systems**	**3w 4d**	**06/03/20**	**02/04/20**	**7w 3d**
747	1133130	Static Completion		06/03/20	06/03/20	7w 3d
748	1134290	Commission Cold Water Booster Set	1d	09/03/20	09/03/20	7w 3d
749	1134300	Commission DHWS Boilers	1d	10/03/20	10/03/20	7w 3d
750	1134310	Hot Water Balance	1w	11/03/20	17/03/20	7w 3d
751	1134320	TMV, hot water return & cold water temp checks	3d	18/03/20	20/03/20	7w 3d
752	**1134321**	**DHCWS Chlorination**	**1w 4d**	**23/03/20**	**02/04/20**	**7w 3d**
753	1134330	Chlorination of all systems, Take samples and issue to Lab	2d	23 Mar 20	24 Mar 20	7w 3d
754	1134340	Chlorination Labatory test results	1w 2d	25 Mar 20	02 Apr 20	7w 3d
755	1133210	Electrical Commissioning Complete		23/04/20	23/04/20	5w
756	1133200	Mechanical Commissioning Complete		02/06/20	02/06/20	
757	13738	Signage & Graphics	2w	01/10/18	12/10/18	76w 3d
758	13747	Tiling out ceilings & clean	2w	18/05/20	01/06/20	
759	**13730**	**External Works**	**66w 2d**	**15/10/18**	**24/02/20**	**13w 1d**
760	**13740**	**Drainage**	**5w**	**21/01/19**	**22/02/19**	**55w 3d**
761	13731	Drainage Zone 1 (west elevation service road)	2w	21/01/19	01/02/19	2d
762	128423	Drainage Zone 2 (South elevation)	1w	04/02/19	08/02/19	2d
763	128443	Drainage Zone 3 (outfalls & attenuation)	3w	04/02/19	22/02/19	55w 3d
764	128433	Drainage Zone 4 (East Elevation)	1w	08/02/19	14/02/19	2d
765	13732	Carparks, Access roads & Footpaths - Main Entrance	4w	07/01/20	03/02/20	13w 1d
766	13742	Carparks, Access roads & Footpaths - Theatres	2w	15/10/18	26/10/18	76w 3d
767	132753	External Lighting	6w	07/01/20	17/02/20	14w 1d
768	13733	Landscaping - Main Entrance	4w	28/01/20	24/02/20	13w 1d
769	13734	Landscaping - Theatres	2w	22/10/18	02/11/18	76w 3d
770	**13800**	**Post Completion**	**93w 3d**	**06 Aug 18**	**29/06/20**	
771	13810	Prepare O&M's	6w	06 Aug 18	14/09/18	86w 3d
772	13820	As Built Drawings Issue to NHS/Aecom	6w	06 Aug 18	14/09/18	86w 3d
773	13830	Inspection of Works (NHS/Aecom)		02 Jun 20	02/06/20	3w
774	13840	Warranty Start Date		02 Jun 20	02/06/20	3w
775	13850	Handover & Demonstrations	1w	02 Jun 20	08/06/20	3w
776	13870	Time Risk Allowance	4w	02 Jun 20	29/06/20	
777	13860	Planned Completion		29 Jun 20	29/06/20	
778	13890	Contract Completion		29 Jun 20	29/06/20	
779	**128113**	**Post Construction/Operational Date**	**6w 3d**	**30/06/20**	**13/08/20**	
780	128133	GJF Period - Deep Clean/Fit Out/Decant/Commissioning	4w	30/06/20	27/07/20	
781	128123	Ophthamology Unit Operational Date		28/07/20	28/07/20	
782	128143	"In Use Evaluations"	2w 3d	28/07/20	13/08/20	



Legend

Time Risk Allowance, Key Dates, Commissioning, NHS GJH Commissioning, Place Order, Working Drawings, Approval by Design Consultants, Manufacture/Procurement Period, Mobilisation/Site Establishment, Milestones, Groundworker, Scaffolding, Steel Frame, Brickwork, Cladding & louvres, Piling, Roofing, Windows / Doors, MEP, Partitions, Concrete Floors, Ceilings, Joinery, Landscaping, Decoration, Floor Finishes, Ames Tape, Fire protection, SFS, Screed, Metal work, FFE, Lift Installation, Cleaning, Snagging - All

DRAWN BY: CG
MANAGER: AMcT

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