Rockland FS and EMS Schedule R18
January 13th, 2020

ID	Task Mode	Task Name	Duration	Baseline Start	Baseline Finish	Start	Finish	Actual Start	Actual Finish	Predecessors	Resource Names
1		Tender Closing	0 days	Thu 08/03/18	Thu 08/03/18	Thu 08/03/18	Thu 08/03/18	NA	NA		
2		Contract Award	0 days	Tue 08/05/18	Tue 08/05/18	Tue 08/05/18	Tue 08/05/18	NA	NA		
3		**Pre-Engineered Building**	**100 days**	**Mon 11/06/18**	**Fri 26/10/18**	**Mon 11/06/18**	**Fri 26/10/18**	**Tue 10/07/18**	**NA**		
4		Order Pre-Engineered Building	1 day	Mon 11/06/18	Mon 11/06/18	Tue 10/07/18	Tue 10/07/18	Tue 10/07/18	Tue 10/07/18		
5		Prepare Shop Drawings and Submit for Review	58 days	Mon 11/06/18	Fri 06/07/18	Wed 11/07/18	Fri 28/09/18	Wed 11/07/18	Fri 28/09/18	4	
6		Review Shop Drawings & Approval	15 days	Mon 09/07/18	Fri 13/07/18	Mon 01/10/18	Fri 19/10/18	Mon 01/10/18	NA	5	
7		Fabrication and Delivery	70 days	Mon 16/07/18	Fri 19/10/18	Mon 22/10/18	Fri 25/01/19	NA	NA	6	
8		**Design & Reviews**	**135 days?**	**Tue 08/05/18**	**Mon 12/11/18**	**Tue 08/05/18**	**Mon 12/11/18**	**Tue 08/05/18**	**NA**		
9		Start of Design	0 days	Tue 08/05/18	Tue 08/05/18	Tue 08/05/18	Tue 08/05/18	NA	NA		
10		**Start of Preliminary Design**	**27 days?**	**Tue 08/05/18**	**Wed 13/06/18**	**Tue 08/05/18**	**Wed 13/06/18**	**NA**	**NA**		
11		Architectural	18 days	Tue 08/05/18	Thu 31/05/18	Tue 08/05/18	Thu 31/05/18	NA	NA		
12		Structural	10 days	Mon 04/06/18	Fri 15/06/18	Mon 04/06/18	Fri 15/06/18	NA	NA	11FS-5 days	
13		Mechanical	10 days	Mon 04/06/18	Fri 15/06/18	Mon 04/06/18	Fri 15/06/18	NA	NA	11FS-5 days	
14		Electrical	10 days	Mon 04/06/18	Fri 15/06/18	Mon 04/06/18	Fri 15/06/18	NA	NA	11FS-5 days	
15		PA & IT Consultant	5 days	Mon 11/06/18	Fri 15/06/18	Mon 11/06/18	Fri 15/06/18	NA	NA	14FS-5 days	
16		Professionnal Telecom & Audio/Video Firm	5 days	Mon 11/06/18	Fri 15/06/18	Mon 11/06/18	Fri 15/06/18	NA	NA	14FS-5 days	
17		Submission of preliminary design to Client	0 days	Thu 31/05/18	Thu 31/05/18	Thu 31/05/18	Thu 31/05/18	NA	NA	11	
18		Review of preliminary design by Client	5 days	Fri 01/06/18	Thu 07/06/18	Fri 01/06/18	Thu 07/06/18	NA	NA	17	
19		Architectural	12 days	Fri 08/06/18	Mon 25/06/18	Fri 08/06/18	Mon 25/06/18	NA	NA	18	
20		Civil & Site Electrical Design	45 days	Tue 08/05/18	Mon 09/07/18	Tue 08/05/18	Mon 09/07/18	NA	NA	9	
21		Structural	7 days	Tue 19/06/18	Wed 27/06/18	Tue 19/06/18	Wed 27/06/18	NA	NA	19FS-5 days	
22		Mechanical	7 days	Tue 19/06/18	Wed 27/06/18	Tue 19/06/18	Wed 27/06/18	NA	NA	19FS-5 days	
23		Electrical	7 days	Tue 19/06/18	Wed 27/06/18	Tue 19/06/18	Wed 27/06/18	NA	NA	19FS-5 days	
24		Resubmission of preliminary design to Client	0 days	Wed 27/06/18	Wed 27/06/18	Wed 27/06/18	Wed 27/06/18	NA	NA	23,21,22	
25		Final review of preliminary design by Client	5 days	Thu 28/06/18	Wed 04/07/18	Thu 28/06/18	Wed 04/07/18	NA	NA	24	
26		Completion of Preliminary Design	0 days	Wed 04/07/18	Wed 04/07/18	Wed 04/07/18	Wed 04/07/18	NA	NA	25	

ID	Task Mode	Task Name	Duration	Baseline Start	Baseline Finish	Start	Finish	Actual Start	Actual Finish	Predecessors	Resource Names
27		**Start of 60% Design**	**67 days**	**Thu 05/07/18**	**Wed 15/08/18**	**Thu 05/07/18**	**Fri 05/10/18**	**Thu 05/07/18**	**NA**		
28		Architectural	33 days	Thu 05/07/18	Wed 15/08/18	Thu 05/07/18	Mon 20/08/18	Thu 05/07/18	Mon 20/08/18	26	
29		Structural	5 days	Mon 09/07/18	Fri 27/07/18	Mon 09/07/18	Fri 05/10/18	Mon 09/07/18	NA	5	
30		Mechanical	31 days	Thu 05/07/18	Wed 15/08/18	Thu 05/07/18	Thu 16/08/18	Thu 05/07/18	Thu 16/08/18	26	
31		Electrical	31 days	Thu 05/07/18	Wed 15/08/18	Thu 05/07/18	Thu 16/08/18	Thu 05/07/18	Thu 16/08/18	26	
32		PA, IT & AV	30 days	Thu 05/07/18	Wed 15/08/18	Thu 05/07/18	Wed 15/08/18	NA	NA	26	
33		Review and approval of 60% design by Client	5 days	Thu 16/08/18	Wed 22/08/18	Tue 21/08/18	Mon 27/08/18	NA	NA	28,30,31	
34		Completion of 60% Design	0 days	Wed 22/08/18	Wed 22/08/18	Mon 27/08/18	Mon 27/08/18	NA	NA	33	
35		**Start of 90% Design**	**83 days**	**Thu 23/08/18**	**Wed 31/10/18**	**Tue 28/08/18**	**Thu 20/12/18**	**Tue 28/08/18**	**NA**		
36		Architectural IFP	61 days	Thu 23/08/18	Wed 31/10/18	Tue 28/08/18	Tue 20/11/18	Tue 28/08/18	Tue 20/11/18	34	
37		Structural IFP	69 days	Thu 23/08/18	Wed 31/10/18	Tue 28/08/18	Fri 30/11/18	Tue 28/08/18	Fri 30/11/18	34	
38		Mechanical IFP	61 days	Thu 23/08/18	Wed 31/10/18	Tue 28/08/18	Tue 20/11/18	Tue 28/08/18	Tue 20/11/18	34	
39		Electrical IFP	83 days	Thu 23/08/18	Wed 31/10/18	Tue 28/08/18	Thu 20/12/18	Tue 28/08/18	Thu 20/12/18	34	
40		PA, IT & AV	50 days	Thu 23/08/18	Wed 31/10/18	Tue 28/08/18	Mon 05/11/18	NA	NA	34	
41		Review and approval of 90% design by Client	5 days	Thu 01/11/18	Wed 07/11/18	Fri 21/12/18	Thu 27/12/18	NA	NA	36,37,38,39	
42		Completion of 90% Design	0 days	Wed 07/11/18	Wed 07/11/18	Thu 27/12/18	Thu 27/12/18	NA	NA	41,43	
43		Shop Drawings Review & Approval	90 days	Thu 05/07/18	Wed 07/11/18	Thu 05/07/18	Wed 07/11/18	NA	NA	26	
44		**Permits and Approvals**	**278 days**	**Tue 08/05/18**	**Wed 06/02/19**	**Mon 05/03/18**	**Wed 27/03/19**	**Mon 05/03/...**	**NA**		
45		**Site Plan Approval**	**90 days**	**Tue 08/05/18**	**Tue 04/09/18**	**Tue 08/05/18**	**Mon 10/09/18**	**Tue 08/05/18**	**NA**		
46		Request for SPA preconsultation meeting/submission of preliminary site layout	10 days	Tue 08/05/18	Mon 21/05/18	Tue 08/05/18	Mon 21/05/18	NA	NA	2	
47		Site plan approval - Preconsultation Meeting	0 days	Tue 22/05/18	Tue 22/05/18	Thu 17/05/18	Thu 17/05/18	Thu 17/05/18	Thu 17/05/18	46	
48		Site Plan Application Submission c/w detailled enginnering drawings	1 day	Tue 10/07/18	Tue 10/07/18	Tue 10/07/18	Tue 10/07/18	Tue 10/07/18	Tue 10/07/18	47,20	
49		Site Plan Review and Approval by City, including circulation to other agencies	18 days	Wed 11/07/18	Tue 07/08/18	Wed 11/07/18	Fri 03/08/18	Wed 11/07/18	Fri 03/08/18	48	
50		SPA review comments issued by City to DB Contractor	0 days	Wed 08/08/18	Tue 14/08/18	Fri 03/08/18	Fri 03/08/18	Fri 03/08/18	Fri 03/08/18	49	

ID	Task Mode	Task Name	Duration	Baseline Start	Baseline Finish	Start	Finish	Actual Start	Actual Finish	Predecessors	Resource Names
51		ASCO received comment from city and incorporate into final SPA submission	10 days	Wed 15/08/18	Tue 28/08/18	Mon 06/08/18	Fri 17/08/18	Mon 06/08/18	Fri 17/08/18	50	
52		City Final Approval of SPA	16 days	Wed 29/08/18	Tue 04/09/18	Fri 17/08/18	Mon 10/09/18	Fri 17/08/18	Mon 10/09/18	51	
53		Application for partial building permit (foundation/structure)	18 days	Wed 08/08/18	Wed 08/08/18	Fri 05/10/18	Wed 31/10/18	Fri 05/10/18	Wed 31/10/18	29	
54		City Review and Approval of partial building permit application	6 days	Thu 09/08/18	Wed 22/08/18	Thu 01/11/18	Thu 08/11/18	Thu 01/11/18	Thu 08/11/18	53	
55		Application for Building Permit - Final	1 day	Wed 07/11/18	Wed 07/11/18	Thu 27/12/18	Thu 27/12/18	Thu 27/12/18	Thu 27/12/18	42	
56		City Review and Approval of final Building Permit	1 day	Thu 08/11/18	Wed 28/11/18	Wed 27/03/19	Wed 27/03/19	Wed 27/03/19	Wed 27/03/19	55	
57		Review and Approval for MOE Generator ECA	120 days	Thu 23/08/18	Wed 06/02/19	Mon 05/03/18	Fri 17/08/18	NA	NA		
58		Hydro Permit	100 days	Thu 05/07/18	Wed 21/11/18	Mon 11/06/18	Wed 21/11/18	Mon 11/06/18	Wed 21/11/18	26	
59		Enbridge	100 days	Thu 05/07/18	Wed 21/11/18	Fri 17/08/18	Thu 03/01/19	Fri 17/08/18	Thu 03/01/19	26	
60		Bell	100 days	Thu 05/07/18	Wed 21/11/18	Thu 05/07/18	Wed 21/11/18	NA	NA	26	
61		**Construction**	**268 days**	**Tue 04/09/18**	**Mon 27/05/19**	**Fri 14/09/18**	**Tue 24/09/19**	**Fri 14/09/18**	**NA**		
62		Start Building Construction	0 days	Tue 04/09/18	Tue 04/09/18	Thu 08/11/18	Thu 08/11/18	NA	NA	52,54	
63		Site Mobilization	0 days	Wed 05/09/18	Tue 18/09/18	Fri 14/09/18	Tue 18/09/18	Fri 14/09/18	Tue 18/09/18	62	
64		Strip Topsoil, Removals & Prep Site	3 days	Fri 07/09/18	Thu 13/09/18	Mon 15/10/18	Mon 12/11/18	Mon 15/10/18	Mon 12/11/18	62SS-1 day	
65		Excavation for building	13 days	Fri 14/09/18	Thu 20/09/18	Wed 28/11/18	Fri 14/12/18	Wed 28/11/18	Fri 14/12/18	64	
66		Site Services	0 days	Fri 14/09/18	Thu 27/09/18	Tue 23/10/18	Thu 08/11/18	Tue 23/10/18	Thu 08/11/18	65	
67		Parking Base and compaction	5 days	Fri 28/09/18	Thu 04/10/18	Mon 02/09/19	Fri 06/09/19	NA	NA		
68		Footings (form, rebar, pour)	3 days	Fri 21/09/18	Tue 02/10/18	Thu 29/11/18	Wed 19/12/18	Thu 29/11/18	Wed 19/12/18	65	
69		Foundation walls (form, rebar, pour)	27 days	Fri 28/09/18	Tue 16/10/18	Wed 05/12/18	Tue 15/01/19	Wed 05/12/18	Tue 15/01/19	68FS-3 days	
70		Infill for Slab on Grade	12 days	Wed 17/10/18	Mon 22/10/18	Mon 17/12/18	Thu 31/01/19	Mon 17/12/18	Thu 31/01/19	69	
71		Backfill perimeter with native soil including perimeter insulation	12 days	Wed 17/10/18	Mon 22/10/18	Mon 17/12/18	Thu 31/01/19	Mon 17/12/18	Thu 31/01/19	69	
72		Install of Prefabricated Structure	35 days	Tue 23/10/18	Mon 19/11/18	Mon 04/02/19	Fri 22/03/19	Mon 04/02/19	Fri 22/03/19	7,71	
73		Liner	10 days	Tue 20/11/18	Mon 10/12/18	Mon 18/03/19	Fri 05/04/19	Mon 18/03/19	Fri 05/04/19	72	
74		Roof Insulation & Cladding	7 days	Tue 11/12/18	Wed 26/12/18	Mon 08/04/19	Tue 16/04/19	Mon 08/04/19	Tue 16/04/19	73	
75		Wall Insulation & Cladding	73 days	Thu 27/12/18	Mon 14/01/19	Wed 17/04/19	Fri 26/07/19	Wed 17/04/19	Fri 26/07/19	74	
76		Masonry including insulation and A/V barrier	0 days	Tue 15/01/19	Mon 21/01/19	Mon 08/07/19	Fri 19/07/19	Mon 08/07/19	Fri 19/07/19	75	

ID	Task Mode	Task Name	Duration	Baseline Start	Baseline Finish	Start	Finish	Actual Start	Actual Finish	Predecessors	Resource Names
77		Windows and Exterior Doors	0 days	Tue 15/01/19	Mon 28/01/19	Mon 22/07/19	Fri 26/07/19	Mon 22/07/19	Fri 26/07/19	75	
78		Overhead Doors	0 days	Tue 15/01/19	Fri 25/01/19	Mon 08/07/19	Fri 12/07/19	Mon 08/07/19	Fri 12/07/19	75	
79		Trims	0 days	Tue 15/01/19	Wed 23/01/19	Thu 18/07/19	Fri 26/07/19	Thu 18/07/19	Fri 26/07/19	75	
80		Thaw Ground	8 days	NA	NA	Mon 08/04/19	Wed 17/04/19	Mon 08/04/19	Wed 17/04/19	73	
81		Underground Plumbing	5 days	Tue 11/12/18	Wed 19/12/18	Mon 22/04/19	Fri 26/04/19	Mon 22/04/19	Fri 26/04/19	73,80	
82		Underground Electrical	4 days	Thu 20/12/18	Tue 25/12/18	Mon 22/04/19	Thu 25/04/19	Mon 22/04/19	Thu 25/04/19	81FF,80	
83		Install Rigid Insulation and Infloor Heating Piping	10 days	Wed 26/12/18	Tue 08/01/19	Mon 13/05/19	Fri 24/05/19	Mon 13/05/19	Fri 24/05/19	82,80	
84		Pour Slab on Grade	1 day	Wed 09/01/19	Tue 15/01/19	Mon 27/05/19	Mon 27/05/19	Mon 27/05/19	Mon 27/05/19	83,80	
85		Steel Studs Partitions	4 days	Wed 16/01/19	Tue 05/02/19	Mon 20/05/19	Fri 31/05/19	Mon 20/05/19	Fri 31/05/19	73,84	
86		Plumbing Rough-In	2 days	Mon 04/02/19	Fri 15/02/19	Mon 27/05/19	Fri 31/05/19	Mon 27/05/19	Fri 31/05/19	85FS-2 days	
87		HVAC Rough-In	3 days	Wed 06/02/19	Tue 19/02/19	Mon 20/05/19	Fri 31/05/19	Mon 20/05/19	Fri 31/05/19	85FS-3 days	
88		Electrical Rough-In	2 days	Mon 04/02/19	Fri 15/02/19	Mon 20/05/19	Fri 31/05/19	Mon 20/05/19	Fri 31/05/19	85FS-2 days	
89		Drywall, Bulkheads & Ceilings	40 days	Mon 18/02/19	Fri 22/03/19	Mon 10/06/19	Fri 02/08/19	Mon 10/06/19	NA	86,87FS-10 days	
90		Door Frames	2 days	Wed 20/03/19	Fri 22/03/19	Thu 30/05/19	Fri 31/05/19	Thu 30/05/19	Fri 31/05/19	89FF	
91		Doors	4 days	Mon 25/03/19	Thu 28/03/19	Mon 22/07/19	Thu 25/07/19	Mon 22/07/19	Thu 25/07/19	90	
92		Painting	5 days	Mon 25/03/19	Fri 05/04/19	Wed 21/08/19	Tue 27/08/19	Wed 21/08/19	Tue 27/08/19	89FS-5 days	
93		Door Hardware	5 days	Mon 08/04/19	Fri 12/04/19	Mon 26/08/19	Fri 30/08/19	Mon 26/08/19	Fri 30/08/19	91	
94		Flooring	10 days	Thu 04/04/19	Wed 17/04/19	Mon 19/08/19	Fri 06/09/19	Mon 19/08/19	Fri 06/09/19	92FS-2 days	
95		Install millwork, furniture, appliances, signs	9 days	Tue 16/04/19	Mon 29/04/19	Mon 19/08/19	Thu 12/09/19	Mon 19/08/19	Thu 12/09/19	94FS-5 days	
96		Plumbing Fixtures & Finishing	5 days	Tue 16/04/19	Mon 29/04/19	Wed 21/08/19	Thu 12/09/19	Wed 21/08/19	Thu 12/09/19	95FS-5 days	
97		HVAC Finishing	15 days	Mon 25/03/19	Fri 26/04/19	Mon 05/08/19	Fri 23/08/19	Mon 05/08/19	Fri 23/08/19	89	
98		Electrical Fixtures & Distribution	15 days	Mon 25/03/19	Fri 26/04/19	Mon 19/08/19	Fri 06/09/19	Mon 19/08/19	Fri 06/09/19	89	
99		Nederman System Connection	3 days	NA	NA	Wed 21/08/19	Fri 23/08/19	Wed 21/08/19	Fri 23/08/19		
100		CO2 System Connection	4 days	NA	NA	Mon 26/08/19	Thu 29/08/19	Mon 26/08/19	Thu 29/08/19	99	
101		Generator Connection	5 days	NA	NA	Wed 28/08/19	Tue 03/09/19	Wed 28/08/19	Tue 03/09/19	104	
102		Fire Alarm Installation and Connection	3 days	NA	NA	Mon 26/08/19	Wed 04/09/19	Mon 26/08/19	Wed 04/09/19	93	

ID	Task Mode	Task Name	Duration	Baseline Start	Baseline Finish	Start	Finish	Actual Start	Actual Finish	Predecessors	Resource Names
103		OH Doors Motors Connnection and Controls	5 days	NA	NA	Mon 19/08/19	Fri 23/08/19	Mon 19/08/19	Fri 23/08/19		
104		Curbs and Sidewalks	2 days	NA	NA	Mon 26/08/19	Tue 27/08/19	Mon 26/08/19	Tue 27/08/19		
105		Asphalt Paving Base Layer	3 days	NA	NA	Wed 04/09/19	Fri 06/09/19	Wed 04/09/19	Fri 06/09/19	104	
106		Nederman System Start-Up	1 day	NA	NA	Mon 26/08/19	Mon 26/08/19	Mon 26/08/19	Mon 26/08/19	99	
107		CO2 System Calibration	1 day	NA	NA	Thu 05/09/19	Thu 05/09/19	Thu 05/09/19	Thu 05/09/19	100	
108		Generator Inspection and Start-Up	1 day	NA	NA	Wed 11/09/19	Wed 11/09/19	Wed 11/09/19	Wed 11/09/19	101FS-1 day	
109		Fire Alarm Verification	4 days	NA	NA	Mon 09/09/19	Thu 12/09/19	Mon 09/09/19	Thu 12/09/19	102	
110		ESA Final Inspection	1 day	NA	NA	Fri 06/09/19	Fri 06/09/19	Fri 06/09/19	Fri 06/09/19		
111		Owner Training	1 day	Mon 06/05/19	Mon 06/05/19	Tue 17/09/19	Tue 17/09/19	NA	NA	108FS+3 days	
112		Substantial Completion - Addition	1 day	Mon 06/05/19	Mon 06/05/19	Fri 13/09/19	Fri 13/09/19	Fri 13/09/19	Fri 13/09/19	111	
113		Deficiency Review with Client	1 day	NA	NA	Fri 06/09/19	Fri 06/09/19	Fri 06/09/19	Fri 06/09/19		
114		Deficiencies Correction	10 days	Tue 07/05/19	Mon 20/05/19	Mon 09/09/19	Fri 20/09/19	Mon 09/09/19	NA	113	
115		Owner Moving	7 days	Tue 07/05/19	Mon 27/05/19	Mon 16/09/19	Tue 24/09/19	Mon 16/09/19	Tue 24/09/19	112	
116		Owner Start Operations in New Addition	6 days	Mon 27/05/19	Mon 27/05/19	Mon 16/09/19	Mon 23/09/19	Mon 16/09/19	Mon 23/09/19	115	
117		**Start Retrofit of Existing Building**	**168 days?**	**Tue 28/05/19**	**Fri 25/10/19**	**Mon 23/09/19**	**Wed 13/05/20**	**Mon 23/09/...**	**NA**	**116**	
118		Start Retrofit of Existing Building	1 day?	Tue 28/05/19	Tue 28/05/19	Mon 23/09/19	Mon 23/09/19	Mon 23/09/19	Mon 23/09/19	116	
119		Demolition	15 days	Tue 28/05/19	Mon 17/06/19	Mon 23/09/19	Mon 14/10/19	Mon 23/09/19	Mon 14/10/19	118	
120		Asphalt Removals & Prep Site	2 days	NA	NA	Mon 23/09/19	Tue 24/09/19	Mon 23/09/19	Tue 24/09/19	118	
121		Excavation for building	3 days	NA	NA	Wed 25/09/19	Fri 27/09/19	Wed 25/09/19	Fri 27/09/19	120	
122		Footings (form, rebar, pour)	2 days	NA	NA	Thu 03/10/19	Fri 04/10/19	Thu 03/10/19	Fri 04/10/19	121	
123		Foundation walls (form, rebar, pour)	3 days	NA	NA	Mon 07/10/19	Wed 09/10/19	Mon 07/10/19	Wed 09/10/19	122	
124		Infill for Slab on Grade	2 days	NA	NA	Thu 10/10/19	Fri 11/10/19	Thu 10/10/19	Fri 11/10/19	123	
125		Backfill perimeter with native soil	0 days	NA	NA	Fri 11/10/19	Fri 11/10/19	Fri 11/10/19	Fri 11/10/19	124	
126		Install of Prefabricated Structure	9 days	NA	NA	Mon 14/10/19	Thu 24/10/19	Mon 14/10/19	Thu 24/10/19	125	
127		Ceiling Liner	10 days	NA	NA	Mon 28/10/19	Fri 08/11/19	Mon 28/10/19	Fri 08/11/19	126FS-5 days	
128		Wall Liner	11 days	NA	NA	Mon 04/11/19	Mon 18/11/19	Mon 04/11/19	Mon 18/11/19	127	
129		Roof Insulation & Cladding WE#1	2 days	NA	NA	Fri 25/10/19	Mon 28/10/19	Fri 25/10/19	Mon 28/10/19	127FS-5 days	
130		Roof Insulation & Cladding WE#2	2 days	NA	NA	Fri 08/11/19	Mon 11/11/19	Fri 08/11/19	Mon 11/11/19	129	
131		Roof Insulation & Cladding WE#3	2 days	NA	NA	Fri 15/11/19	Mon 18/11/19	Fri 15/11/19	Mon 18/11/19	130	
132		Roof Insulation & Cladding WE#4	2 days	NA	NA	Fri 22/11/19	Mon 25/11/19	Fri 22/11/19	Mon 25/11/19	131	
133		Roof Parapet Blueskin	4 days	NA	NA	Fri 15/11/19	Wed 20/11/19	Fri 15/11/19	Wed 20/11/19		
134		Front Parapet (Frame + Blueskin)	1 day	NA	NA	Thu 05/12/19	Thu 05/12/19	Thu 05/12/19	Thu 05/12/19	133	
135		Exterior Signage Framing & Backing	2 days	NA	NA	Mon 13/01/20	Tue 14/01/20	Mon 13/01/20	Tue 14/01/20	134	
136		Cover Openings for heat	3 days	NA	NA	Tue 19/11/19	Thu 21/11/19	Tue 19/11/19	Thu 21/11/19	135	
137		Demolition of Existing Windows and Blueskin	1 day	NA	NA	Thu 21/11/19	Fri 22/11/19	Thu 21/11/19	Fri 22/11/19	136	

ID	Task Mode	Task Name	Duration	Baseline Start	Baseline Finish	Start	Finish	Actual Start	Actual Finish	Predecessors	Resource Names
138		Installation of New Windows & Aluminum Doors	4 days	NA	NA	Tue 17/12/19	Fri 20/12/19	Tue 17/12/19	Fri 20/12/19		
139		Masonry including insulation and A/V barrier	5 days	NA	NA	Mon 09/12/19	Fri 13/12/19	Mon 09/12/19	Fri 13/12/19	135	
140		Wall Insulation & Cladding WE#1	2 days	NA	NA	Fri 22/11/19	Mon 25/11/19	Fri 22/11/19	Mon 25/11/19	132	
141		Wall Insulation & Cladding WE#2	2 days	NA	NA	Fri 29/11/19	Mon 02/12/19	Fri 29/11/19	Mon 02/12/19	140	
142		Wall Insulation & Cladding South & North - West Wall	10 days	NA	NA	Mon 20/01/20	Fri 31/01/20	NA	NA	141	
143		Existing Building Steel Reinforcement	15 days	NA	NA	Mon 11/11/19	Fri 29/11/19	Mon 11/11/19	Fri 29/11/19		
144		Roofing at new curbs on Existing Building	0 days	NA	NA	Wed 27/11/19	Fri 29/11/19	Wed 27/11/19	Fri 29/11/19	143	
145		Installation & Connection of New RTU on Roof	2 days	NA	NA	Thu 12/12/19	Fri 13/12/19	Thu 12/12/19	Fri 13/12/19	144	
146		Concrete Cutting	5 days	NA	NA	Thu 21/11/19	Wed 27/11/19	Thu 21/11/19	Wed 27/11/19		
147		Underground Plumbing	3 days	NA	NA	Thu 21/11/19	Thu 28/11/19	Thu 21/11/19	Thu 28/11/19	146FS-2 days	
148		U/G Plumbing Inspection	1 day	NA	NA	Thu 28/11/19	Thu 28/11/19	Thu 28/11/19	Thu 28/11/19	147FF	
149		Underground Electrical	4 days	NA	NA	Mon 25/11/19	Fri 29/11/19	Mon 25/11/19	Fri 29/11/19	146FS-2 days	
150		U/G ESA Inspection	1 day	NA	NA	Fri 29/11/19	Fri 29/11/19	Fri 29/11/19	Fri 29/11/19	149FF	
151		Backfilling Trenching	0 days	NA	NA	Thu 28/11/19	Thu 28/11/19	Thu 28/11/19	Thu 28/11/19	150	
152		Installation of Perimeter Insulation	2 days	NA	NA	Fri 29/11/19	Mon 02/12/19	Fri 29/11/19	Mon 02/12/19	151	
153		Installation of Vapor Barrier	1 day	NA	NA	Mon 02/12/19	Tue 03/12/19	Mon 02/12/19	Tue 03/12/19	152	
154		Slab Reinforcement	2 days	NA	NA	Wed 04/12/19	Thu 05/12/19	Wed 04/12/19	Thu 05/12/19	153	
155		Infloor heating Piping (Bunker Gear Room)	1 day	NA	NA	Fri 06/12/19	Fri 06/12/19	Fri 06/12/19	Fri 06/12/19	154	
156		Pour Slab on Grade	1 day	NA	NA	Mon 09/12/19	Mon 09/12/19	Mon 09/12/19	Mon 09/12/19	147,155	
157		Pour Concrete Topping in Existing FS	1 day	NA	NA	Fri 20/12/19	Fri 20/12/19	Fri 20/12/19	Fri 20/12/19	156	
158		Wall Framing Layout New Section	1 day	Fri 14/06/19	Thu 27/06/19	Mon 16/12/19	Mon 16/12/19	Mon 16/12/19	Mon 16/12/19	119,156,157	
159		Wall Framing New Section	14 days	NA	NA	Tue 17/12/19	Fri 03/01/20	Tue 17/12/19	Fri 03/01/20	158	
160		Boarding New Section	8 days	NA	NA	Mon 13/01/20	Wed 22/01/20	NA	NA	159FS-3 days,16	
161		Taping New Section	7 days	NA	NA	Thu 16/01/20	Fri 24/01/20	NA	NA	160FS-5 days	
162		Wall Framing Layout Old Section	1 day	NA	NA	Mon 06/01/20	Mon 06/01/20	Mon 06/01/20	Mon 06/01/20	159	
163		Wall Framing Old Section	4 days	NA	NA	Mon 06/01/20	Fri 10/01/20	Mon 06/01/20	Fri 10/01/20	162	
164		Boarding Old Section	8 days	NA	NA	Mon 20/01/20	Wed 29/01/20	NA	NA	163FS+5 days	
165		Taping Old Section	6 days	NA	NA	Mon 27/01/20	Mon 03/02/20	NA	NA	164FS-3 days	
166		Plumbing Rough In (Walls) New Section	9 days	NA	NA	Thu 02/01/20	Tue 14/01/20	Thu 02/01/20	NA	159FS-2 days	
167		Electrical Rough In (Walls) New Section	7 days	NA	NA	Thu 02/01/20	Fri 10/01/20	Thu 02/01/20	Fri 10/01/20	159FS-2 days	
168		ESA Inspection Rough In New Section	1 day	NA	NA	Mon 13/01/20	Mon 13/01/20	Mon 13/01/20	Mon 13/01/20	167	
169		Plumbing Inspection Rough In New Section	1 day	NA	NA	Wed 15/01/20	Wed 15/01/20	NA	NA	166	
170		Plumbing Rough In (Walls) Old Section	5 days	NA	NA	Wed 15/01/20	Tue 21/01/20	NA	NA	166	
171		Electrical Rough In (Walls) Old Section	5 days	NA	NA	Mon 13/01/20	Fri 17/01/20	NA	NA	167	
172		ESA Inspection Rough In Old Section	1 day	NA	NA	Mon 20/01/20	Mon 20/01/20	NA	NA	171	
173		Plumbing Inspection Rough In Old Section	1 day	NA	NA	Wed 22/01/20	Wed 22/01/20	NA	NA	170	
174		Epoxy Flooring	5 days	NA	NA	Wed 29/01/20	Tue 04/02/20	NA	NA	173FS+4 days	

ID	Task Mode	Task Name	Duration	Baseline Start	Baseline Finish	Start	Finish	Actual Start	Actual Finish	Predecessors	Resource Names
175		Paint 1st Coat	2 days	NA	NA	Tue 04/02/20	Wed 05/02/20	NA	NA	165	
176		Suspended Ceilings	3 days	NA	NA	Thu 06/02/20	Mon 10/02/20	NA	NA	175	
177		Paint 2nd Coat	2 days	NA	NA	Tue 11/02/20	Wed 12/02/20	NA	NA	176	
178		Door Frames	2 days	Thu 01/08/19	Mon 05/08/19	Mon 06/01/20	Tue 07/01/20	Mon 06/01/20	Tue 07/01/20	159	
179		Doors	2 days	Tue 06/08/19	Thu 08/08/19	Thu 23/01/20	Fri 24/01/20	NA	NA	178,160	
180		Door Hardware	4 days	Tue 20/08/19	Fri 23/08/19	Mon 27/01/20	Thu 30/01/20	NA	NA	179	
181		Flooring	3 days	Mon 19/08/19	Fri 06/09/19	Tue 11/02/20	Thu 13/02/20	NA	NA	176	
182		Install millwork, furniture, appliances, signs	5 days	Fri 06/09/19	Thu 19/09/19	Tue 11/02/20	Mon 17/02/20	NA	NA	181FS-3 days	
183		Installation and Connection of Telecom Room	5 days	NA	NA	Thu 06/02/20	Wed 12/02/20	NA	NA	175	
184		Plumbing Fixtures & Finishing	3 days	Fri 06/09/19	Thu 19/09/19	Thu 13/02/20	Mon 17/02/20	NA	NA	181FS-1 day	
185		HVAC Finishing	5 days	Tue 06/08/19	Mon 09/09/19	Thu 13/02/20	Wed 19/02/20	NA	NA	184SS	
186		Electrical Fixtures & Finishing	5 days	Tue 06/08/19	Thu 19/09/19	Thu 13/02/20	Wed 19/02/20	NA	NA	185SS	
187		Placing GA for Concrete and Asphalt	2 days	NA	NA	Mon 18/11/19	Tue 19/11/19	Mon 18/11/19	Tue 19/11/19		
188		Curbs, Sidewalks and Concrete Pads	4 days	Mon 08/07/19	Thu 11/07/19	Mon 18/11/19	Thu 21/11/19	Mon 18/11/19	Thu 21/11/19	187FS-2 days	
189		Concrete Curing	2 days	NA	NA	Fri 22/11/19	Mon 25/11/19	Fri 22/11/19	Mon 25/11/19	188	
190		Asphalt Paving 1st Layer	1 day	NA	NA	Tue 26/11/19	Tue 26/11/19	Tue 26/11/19	Tue 26/11/19	189	
191		Concrete Stairs	2 days	NA	NA	Mon 04/05/20	Tue 05/05/20	NA	NA		
192		Asphalt Paving Final Layer	2 days	Fri 12/07/19	Fri 19/07/19	Wed 06/05/20	Thu 07/05/20	NA	NA	188,191	
193		Fencing & Privacy Screen	2 days	Mon 22/07/19	Tue 23/07/19	Fri 08/05/20	Mon 11/05/20	NA	NA	192	
194		Landscaping	2 days	Wed 24/07/19	Thu 25/07/19	Tue 12/05/20	Wed 13/05/20	NA	NA	193	
195		Final Cleaning	5 days	Fri 20/09/19	Thu 26/09/19	Thu 20/02/20	Wed 26/02/20	NA	NA	186	
196		Final Inspections (ESA, ARCH, MECH)	1 day	NA	NA	Thu 20/02/20	Thu 20/02/20	NA	NA	186	
197		Equipment testing and startup	2 days	Fri 20/09/19	Mon 23/09/19	Thu 20/02/20	Fri 21/02/20	NA	NA	186	
198		Comissioning	1 day	Tue 24/09/19	Tue 24/09/19	Mon 24/02/20	Mon 24/02/20	NA	NA	197	
199		Owner Training	1 day	Wed 25/09/19	Fri 27/09/19	Tue 25/02/20	Tue 25/02/20	NA	NA	198	
200		Substantial Completion - Retrofit	0 days	Fri 27/09/19	Fri 27/09/19	Tue 25/02/20	Tue 25/02/20	NA	NA	199	
201		Closing in Pass Through Opening (Removal of Door & Frame, Framing & Drywall, Install Liner	5 days	NA	NA	Wed 26/02/20	Tue 03/03/20	NA	NA	200	
202		Paint Second Coat on Phase 1	2 days	NA	NA	Wed 26/02/20	Thu 27/02/20	NA	NA	200	
203		Paint Stairs in Apparatus Bay	1 day	NA	NA	Fri 28/02/20	Fri 28/02/20	NA	NA	202	
204		Reprogram EMS Door Control	2 days	NA	NA	Wed 26/02/20	Thu 27/02/20	NA	NA	200	
205		Training EMS	1 day	NA	NA	Fri 28/02/20	Fri 28/02/20	NA	NA	204	
206		Deficiencies	10 days	Mon 30/09/19	Fri 11/10/19	Wed 26/02/20	Tue 10/03/20	NA	NA	200	
207		Corrections & Paper work for occupancy	10 days	Mon 30/09/19	Fri 11/10/19	Fri 21/02/20	Thu 05/03/20	NA	NA	196	
208		Occupancy	0 days	Fri 11/10/19	Fri 11/10/19	Thu 05/03/20	Thu 05/03/20	NA	NA	199,207	
209		Owner Moving	5 days	Mon 14/10/19	Fri 25/10/19	Fri 06/03/20	Thu 12/03/20	NA	NA	200,208	
210		Owner Start Operations in Overall Facility	0 days	Fri 25/10/19	Fri 25/10/19	Thu 12/03/20	Thu 12/03/20	NA	NA	209	