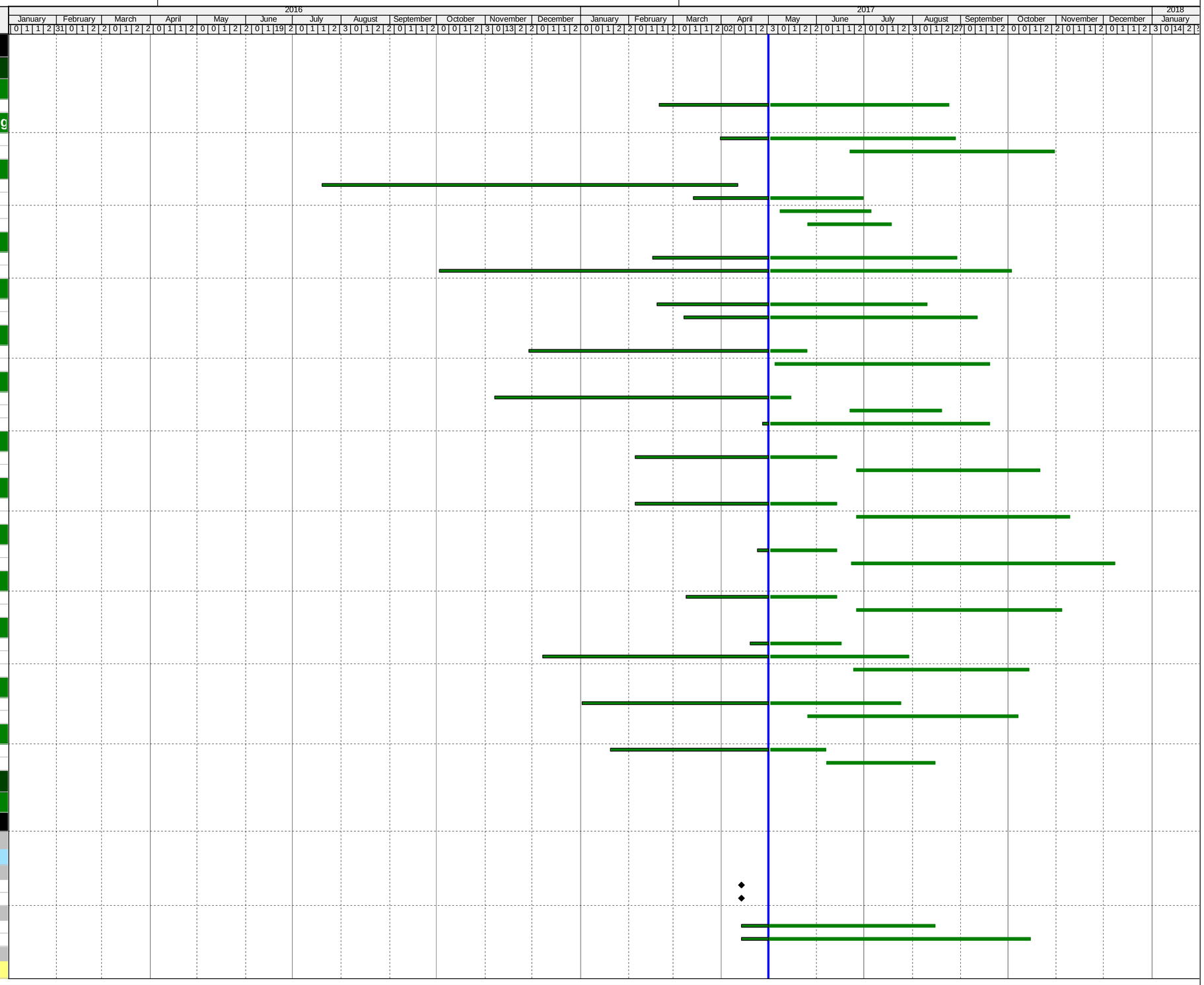
Activity ID	Activity Name
RAB5 - Target Works Programme - 01 May-15 (I	
PROGRAMME SUMMARY	
Building 021 - Dangerous Goods Store	
RAB-21-SUM2	021 - ABWF and MEP
Building 022 - Customs Detective Dog Base Building	
RAB-22-SUM2	022 - ABWF and MEP
RAB-22-SUM3	022 - Submissions and Approvals
Building 023 - C&ED Outbond Cargo Examination E	
RAB-23-SUM1	023 - Raft Foundation and Structure
RAB-23-SUM4	023 - ABWF and MEP
RAB-23-SUM3	023 - Install Lift
RAB-23-SUM5	023 - Construct Metal Canopy
Building 025 - Inbound Private Car Annexure	
RAB-25-SUM4	025 - ABWF and MEP
RAB-25-SUM2	025 - Glazed Kiosk
Building 032 - Outbound Private Car Annexure	
RAB-32-SUM2	032 - Glazed Kiosk
RAB-32-SUM4	032 - ABWF and MEP
Building 044 - E&M Maintenance Building	
RAB-44-SUM1	044 - Raft Foundation and Structure
RAB-44-SUM4	044 - ABWF and MEP
Building 045 - Highways Depot and Administration	
RAB-45-SUM1	045 - Raft Foundation and Structure
RAB-45-SUM2	045 - Install Lift
RAB-45-SUM3	045 - ABWF and MEP
Building 050 (H1) - Public Toilets Type 2	
RAB-50-SUM1	050 - Raft Foundation and Structure
RAB-50-SUM5	050 - ABWF and MEP
Building 050 (H2) - Public Toilets Type 2	
RAB-50-SUM2	050 - Raft Foundation and Structure
RAB-50-SUM6	050 - ABWF and MEP
Building 050 (A1) - Public Toilets Type 2	
RAB-50-SUM3	050 - Raft Foundation and Structure
RAB-50-SUM7	050 - ABWF and MEP
Building 050 (A2) - Public Toilets Type 2	
RAB-50-SUM4	050 - Raft Foundation and Structure
RAB-50-SUM8	050 - ABWF and MEP
Building 053 - Outbound X-Ray Building	
RAB-53-SUM2	053 - Install Lift
RAB-53-SUM3	053 - ABWF and MEP
RAB-53-SUM4	053 - Submissions and Approvals
Building 058 - Outbound X-Ray Scan Tunnel	
RAB-58-SUM3	058 - ABWF and MEP
RAB-58-SUM2	058 - Submissions and Approvals
Building 059 - Inbound X-Ray Scan Tunnel	
RAB-59-SUM2	059 - ABWF and MEP
RAB-59-SUM3	059 - Submissions and Approvals
GENERAL/PRELIMINARIES	
Salient Key Dates and Milestones	
Salient Key Dates and Milestones	
Key Dates for Achievement of Stage and Sections	
Key Dates for Achievement of Stage and Sections	
Sectional Key Dates - Contract	
RAB-KD314	KD2 - Completion of Section II of the Works (470 days) Building 059
RAB-KD344	KD1 - Completion of Section I of the Works (470 days) Building 053 & 0
Sectional Key Dates - Varience To Contract	
RAB-KD174	KD2 - Variation of Section II of the Works Building 059
RAB-KD204	KD1 - Variation of Section I of the Works Building 053 & 058
Stage Key Dates - Target	
Stage 1 - Building 053 and 058	



Remaining Level of Effort ◆ ◆ Milestone
Actual Level of Effort
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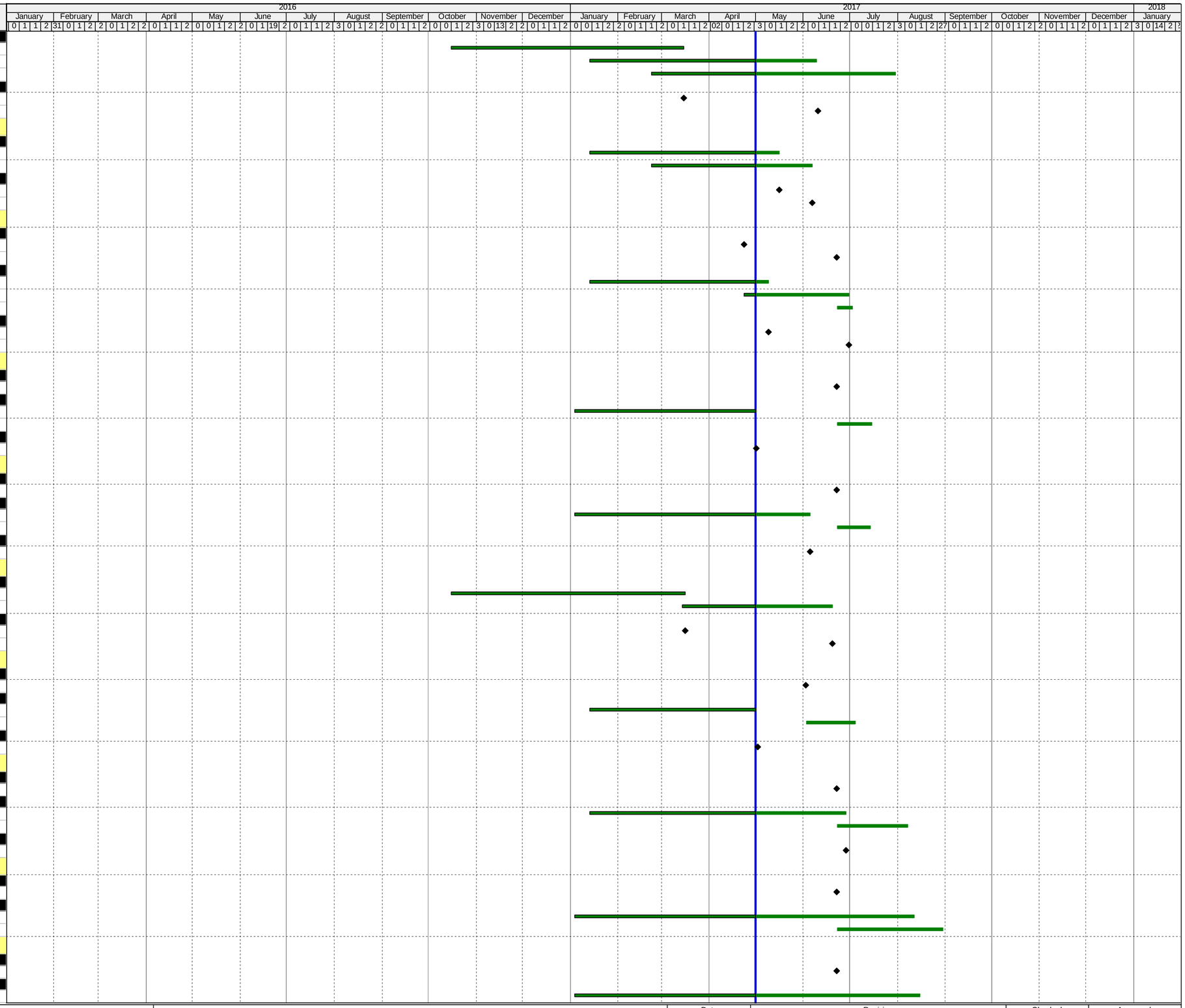
Remaining Work
Critical Remaining Work

3 - Month Rolling Programme - RAB5

Date	Revision	Checked	Approved
01-May-17	Target Programme RAB5	SGJ	

Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
Varience to Contract Key Date Achievement	
RAB-KD1A40	KD1A - Variance of Stage 1A of the Works
RAB-KD1B40	KD1B - Variance of Stage 1B of the Works
RAB-KD1C40	KD1C - Variance of Stage 1C of the Works
RAB5 Forecast Key Date Achievement	
RAB-KD1A	KD1A - Achievement of Stage 1A of the Works
RAB-KD1B	KD1B - Achievement of Stage 1B of the Works
Stage 2 - Building 059	
Varience to Contract Key Date Achievement	
RAB-KD2B30	KD2B - Variance of Stage 2B of the Works
RAB-KD2C30	KD2C - Variance of Stage 2C of the Works
RAB5 Forecast Key Date Achievement	
RAB-KD2B	KD2B - Achievement of Stage 2B of the Works
RAB-KD2C	KD2C - Achievement of Stage 2C of the Works
Stage 3 - Building 023	
Contract Key Date Acheivement	
RAB-KD3B20	KD3B - Achievement of Stage 3B of the Works (480 days)
RAB-KD3C20	KD3C - Achievement of Stage 3C of the Works (540 days)
Varience to Contract Key Date Achievement	
RAB-KD3A30	KD3A - Variance of Stage 3A of the Works
RAB-KD3B30	KD3B - Variance of Stage 3B of the Works
RAB-KD3C30	KD3C - Variance of Stage 3C of the Works
RAB5 Forecast Key Date Achievement	
RAB-KD3A	KD3A - Achievement of Stage 3A of the Works
RAB-KD3B	KD3B - Achievement of Stage 3B of the Works
Stage 4 - Building 021	
Contract Key Date Acheivement	
RAB-KD4B20	KD4B - Achievement of Stage 4B of the Works (540 days)
Varience to Contract Key Date Achievement	
RAB-KD4A30	KD4A - Variance of Stage 4A of the Works
RAB-KD4B30	KD4B - Variance of Stage 4B of the Works
RAB5 Forecast Key Date Achievement	
RAB-KD4A	KD4A - Achievement of Stage 4A of the Works
Stage 5 - Building 022	
Contract Key Date Acheivement	
RAB-KD5B20	KD5B - Achievement of Stage 5B of the Works (540 days)
Varience to Contract Key Date Achievement	
RAB-KD5A30	KD5A - Variance of Stage 5A of the Works
RAB-KD5B30	KD5B - Variance of Stage 5B of the Works
RAB5 Forecast Key Date Achievement	
RAB-KD5A	KD5A - Achievement of Stage 5A of the Works
Stage 6 - Building 025	
Varience to Contract Key Date Achievement	
RAB-KD6A30	KD6A - Variance of Stage 6A of the Works
RAB-KD6B30	KD6B - Variance of Stage 6B of the Works
RAB5 Forecast Key Date Achievement	
RAB-KD6A	KD6A - Achievement of Stage 6A of the Works
RAB-KD6B	KD6B - Achievement of Stage 6B of the Works
Stage 7 - Building 032	
Contract Key Date Acheivement	
RAB-KD7B20	KD7B - Achievement of Stage 7B of the Works (520 days)
Varience to Contract Key Date Achievement	
RAB-KD7A30	KD7A - Variance of Stage 7A of the Works
RAB-KD7B30	KD7B - Variance of Stage 7B of the Works
RAB5 Forecast Key Date Achievement	
RAB-KD7A	KD7A - Achievement of Stage 7A of the Works
Stage 8 - Building 044 & 045	
Contract Key Date Acheivement	
RAB-KD8B30	KD8B - Achievement of Stage 8B of the Works (540 days)
Varience to Contract Key Date Achievement	
RAB-KD8A40	KD8A - Variance of Stage 8A of the Works
RAB-KD8B40	KD8B - Variance of Stage 8B of the Works
RAB5 Forecast Key Date Achievement	
RAB-KD8A	KD8A - Achievement of Stage 8A of the Works
Stage 9 - Building 050 (H1)	
Contract Key Date Acheivement	
RAB-KD9B20	KD9B - Achievement of Stage 9B of the Works (540 days)
Varience to Contract Key Date Achievement	
RAB-KD9A30	KD9A - Variance of Stage 9A of the Works
RAB-KD9B30	KD9B - Variance of Stage 9B of the Works
Stage 10 - Building 050 (H2)	
Contract Key Date Acheivement	
RAB-KD10B20	KD10B - Achievement of Stage 10B of the Works (540 days)
Varience to Contract Key Date Achievement	
RAB-KD10A30	KD10A - Variance of Stage 10A of the Works



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3 - Month Rolling Programme - RAB5

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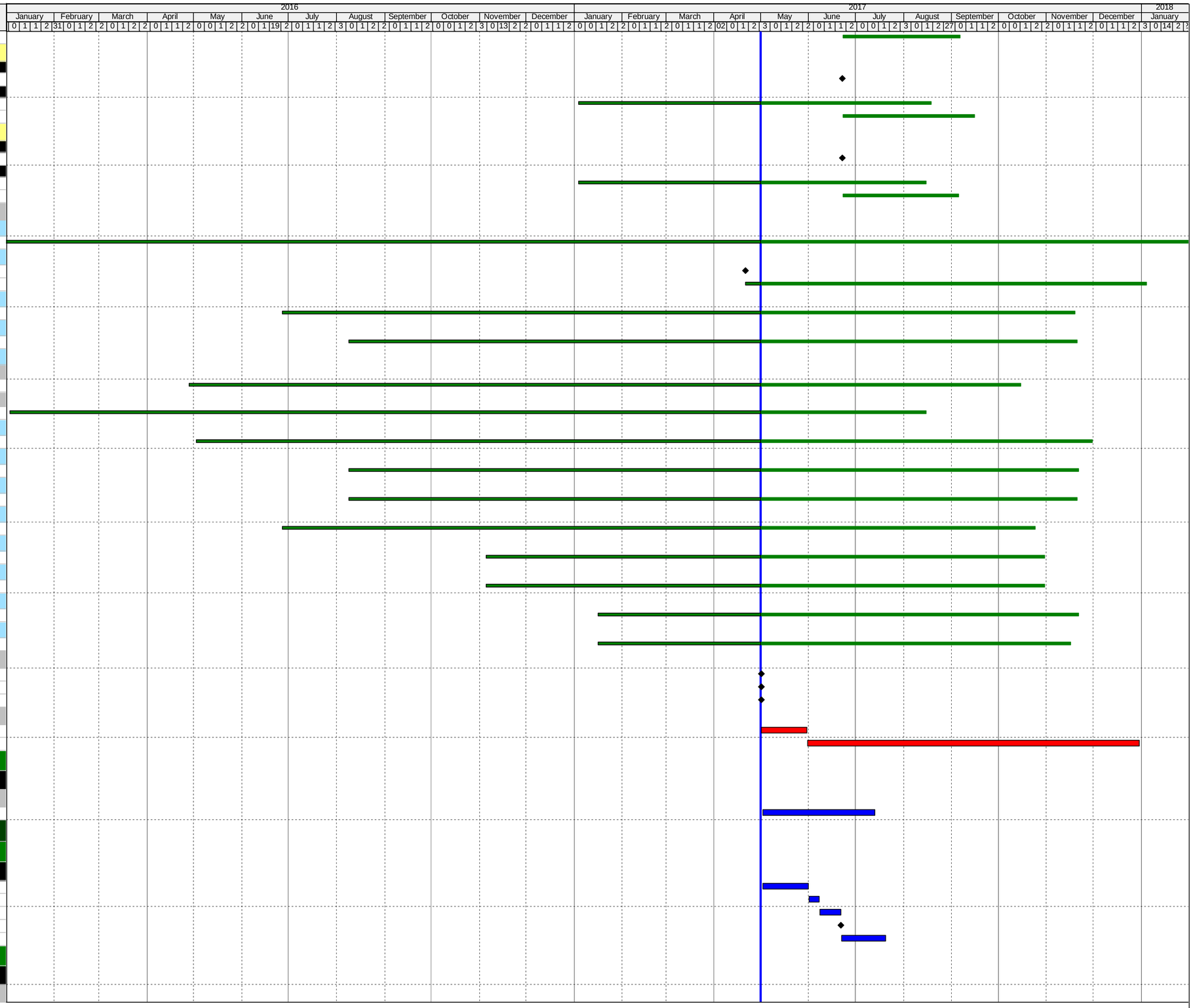
01-May-17	Target Programme RAB5	SGJ	

Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
RAB-KD10B30	KD10B - Variance of Stage 10B of the Works
Stage 11 - Building 050 (A1)	
Contract Key Date Acheivement	
RAB-KD11B20	KD11B - Achievement of Stage 11B of the Works (540 days)
Varience to Contract Key Date Achievement	
RAB-KD11A30	KD11A - Variance of Stage 11A of the Works
RAB-KD11B30	KD11B - Variance of Stage 11B of the Works
Stage 12 - Building 050 (A2)	
Contract Key Date Acheivement	
RAB-KD12B20	KD12B - Achievement of Stgae 12B of the Works (540 days)
Varience to Contract Key Date Achievement	
RAB-KD12A30	KD12A - Variance ment of Stage 12A of the Works
RAB-KD12B30	KD12B - Variance of Stgae 12B of the Works
Possession and Vacate Dates	
Portion 3.10 WA3	
PA_WA3	Period of Access to Portion WA3
Portion A1 - Building 050 (A1)	
PD_A1	050(A1) - Possession date for Portion A1 (Day 215)
PA_A1	050(A1) - Period of Access to Portion A1
Portion A2 - Building 050 (A2)	
PA_A2	050(A2) - Period of Access to Portion A2
Portion B - Building 045	
PA_B	045 - Period of Access to Portion B
Portion C - Building 053, 058 & 059	
Portion C1 - Building 058 and 053	
PA_C1	058 & 053 - Period of Access to Portion C1
Portion C2 - Building 059	
PA_C2	059 - Period of Access to Portion C2
Portion D - Building 025	
PA_D	025 - Period of Access to Portion D
Portion E - Building 032	
PA_E	032 Period of Access to Portion E
Portion F - Building 044 and 045	
PA_F	044 & 045 - Period of Access to Portion F
Portion G1 - Building 023	
PA_G1	023 - Period of Access to Portion G1
Portion G2 - Building 021	
PA_G2	021 - Period of Access to Portion G2
Portion G3 - Building 022	
PA_G3	022 - Period of Access to Portion G3
Portion H1 - Building 050 (H1)	
PA_H1	050(H1) - Period of Access to Portion H1
Portion H2 - Building 050 (H2)	
PA_H2	050(H2) - Period of Access to Portion H2
Given Access to various locations by others	
GA_1.1	Access Date for Location 1.1 (Day 365) (Building 037) (Date TBC)
GA_1.2	Access Date for Location 1.2 (Day 365) (Building 033) (Date TBC)
GA_1.3	Access Date for Location 1.3 (Day 365) (Building 024) (Date TBC)
Landscaping	
LA_102	Landscape Works subject to Excision - Mobilisation
LA_103	Landscape Works subject to Excision - Works
Submissions and Approvals	
Major Method Statements	
Window Wall Method of Construction	
RAB-MMS-0400	Prepare M/S for Window Wall Method of Construction
DESIGN AND ENGINEERING	
Major Temporary Works Design	
AT90 - Temporary Works - Stability Check of Vehicle Cano	
RAB-TWD-1770	SC23 - Prepare draft submission
RAB-TWD-1780	SC23 - Contractor's Review
RAB-TWD-1790	SC23 - ICE final checks & issue Check Certificate
RAB-TWD-1800	SC23 - Final Submission to Engineer
RAB-TWD-1810	SC23 - Engineer Approval; Consent to Proceed
Permanent Works Design Packages	
AP01- Item 1 - Curtain Wall System - Building 044, 045 & 0	
Detailed Design Approval (DDA)	



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3 - Month Rolling Programme - RAB5

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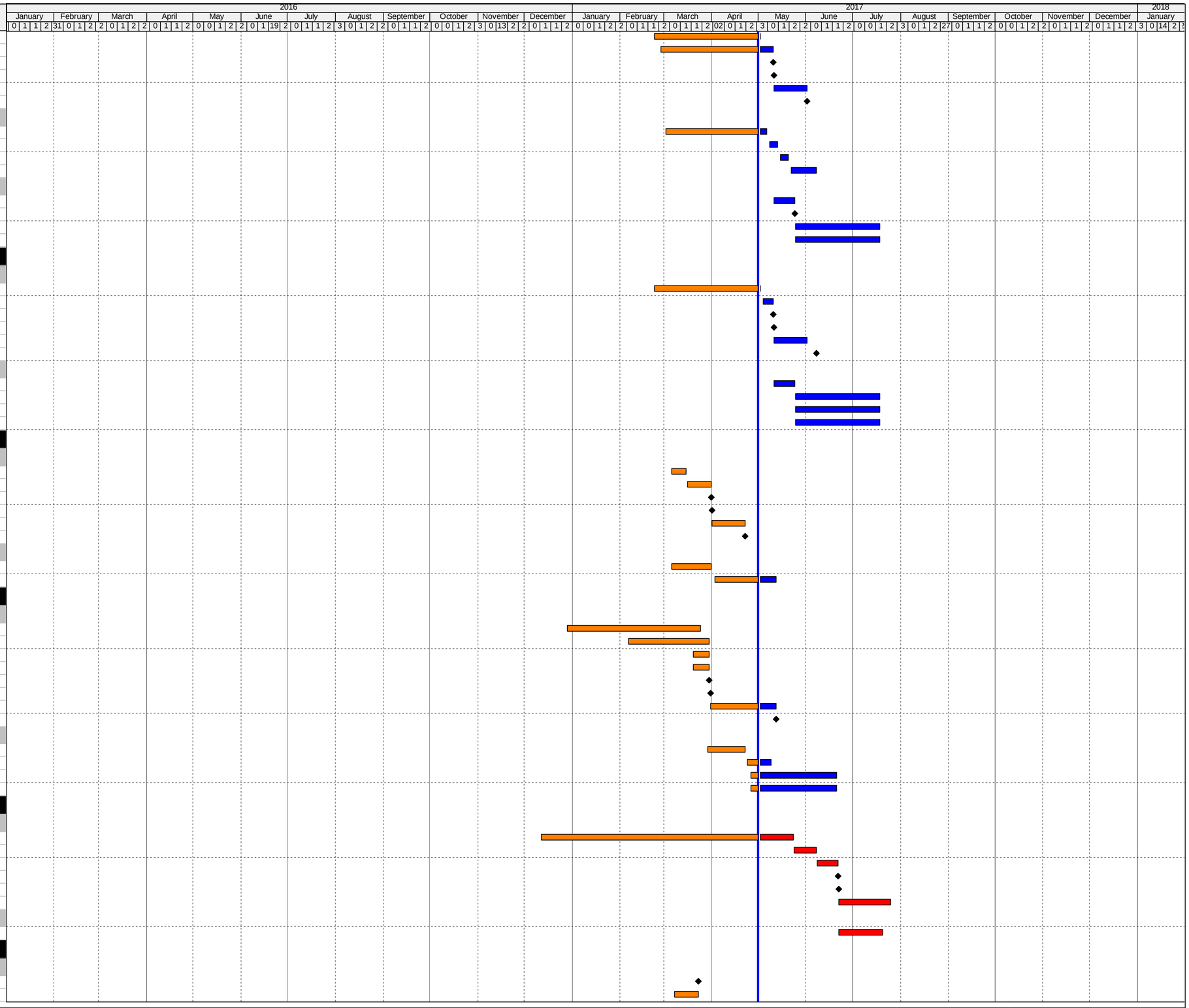
Activity ID	Activity Name
RAB-PWD-3140	IT1 - RSE Endorsement
RAB-PWD-3150	IT1 - Review of DDA by ICE
RAB-PWD-3170	IT1 - ICE issues Certification of DDA Submission
RAB-PWD-3180	IT1 - Submit ICE Certificate to Engineer for Consent
RAB-PWD-3190	IT1 - Formal DDA review by Engineer(28d + resub)
RAB-PWD-3200	IT1 - Engineer gives DDA Consent
Performance Mock Up (PMU)	
RAB-PWD-0100	IT1 - Mock Up Fabrication
RAB-PWD-0110	IT1 - Laboratory Performance Test
RAB-PWD-0120	IT1 - Laboratory Test Report (LTR)
RAB-PWD-0130	IT1 - Lab Test Report Submit to Engineer/Consent
Production of Shop Drawings	
RAB-PWD-3210	IT1 - Prepare Shop Drawings
RAB-PWD-3220	IT1 - Submit Design to Engineer with ICE Certificate
RAB-PWD-3400	IT1 - Fabrication and Delivery of Curtain Wall Steelwork and Glazing Bl
RAB-PWD-3410	IT1 - Fabrication and Delivery of Curtain Wall Steelwork and Glazing Bl
AP02- Item 2 - Window Wall System - Building 022	
Detailed Design Approval (DDA)	
RAB-PWD-2930	IT2 - RSE Endorsement
RAB-PWD-2940	IT2 - Review of DDA by ICE
RAB-PWD-2960	IT2 - ICE issues Certification of DDA Submission
RAB-PWD-2970	IT2 - Submit ICE Certificate to Engineer for Consent
RAB-PWD-2980	IT2 - Formal DDA review by Engineer (28d + resub)
RAB-PWD-2990	IT2 - Engineer gives DDA Consent and Construction Begins
Production of Shop Drawings	
RAB-PWD-3000	IT2 - Prepare Shop Drawings
RAB-PWD-3280	IT2 - Fabrication and Delivery of Window Wall Steelwork and Glazing B
RAB-PWD-3290	IT2 - Fabrication and Delivery of Window Wall Steelwork and Glazing B
RAB-PWD-3300	IT2 - Fabrication and Delivery of Window Wall Steelwork and Glazing B
AP03- Item 3 - Metal Roofing System at Canopy - Building	
Detailed Design Approval (DDA)	
RAB-PWD-2720	IT3 - Endorse By RSE
RAB-PWD-2730	IT3 - Review of DDA by ICE
RAB-PWD-2750	IT3 - ICE issues Certification of DDA Submission
RAB-PWD-2760	IT3 - Submit ICE Certificate to Engineer for Consent
RAB-PWD-2770	IT3 - Formal DDA review by Engineer (28d + resub)
RAB-PWD-2780	IT3 - Engineer gives DDA Consent and Construction Begins
Production of Shop Drawings	
RAB-PWD-2790	IT3 - Prepare Shop Drawings
RAB-PWD-3240	IT3 - Fabrication and delivery of Canopy Materials Bldg 023, Metal Roof
AP03a- Item 3a - Covered Walkway for Glazing- Building 0	
Detailed Design Approval (DDA)	
RAB-PWD-3510	IT3 - Prepare Detailed Design
RAB-PWD-3520	IT3 - LCWJV Review
RAB-PWD-3540	IT3 - Review of DDA by ICE
RAB-PWD-3550	IT3 - Review of DDA by Interested Parties
RAB-PWD-3560	IT3 - ICE issues Certification of DDA Submission
RAB-PWD-3570	IT3 - Submit ICE Certificate to Engineer for Consent
RAB-PWD-3580	IT3 - Formal DDA review by Engineer (28d + resub)
RAB-PWD-3590	IT3 - Engineer gives DDA Consent and Construction Begins
Production of Shop Drawings	
RAB-PWD-3600	IT3 - Prepare Shop Drawings
RAB-PWD-3620	IT3 - Engineer Shop Drawings Approval; Consent to Proceed Fabricatic
RAB-PWD-3650	IT3 - Fabrication and delivery of Canopy Materials Bldg 023, Cov. Walk
RAB-PWD-3700	IT3 - Fabrication and delivery of Canopy Materials Bldg 025 & 032, Cov
AP05- Item 5 - Signage - Building 023, 022	
Detailed Design Approval (DDA)	
RAB-PWD-2280	IT5 - Prepare Detailed Design (w/ RSE Endorsement)
RAB-PWD-2290	IT5 - LCWJV Review
RAB-PWD-2310	IT5 - Review of DDA by ICE
RAB-PWD-2330	IT5 - ICE issues Certification of DDA Submission
RAB-PWD-2340	IT5 - Submit ICE Certificate to Engineer for Consent
RAB-PWD-2350	IT5 - Formal DDA review by Engineer (28d + resub)
Production of Shop Drawings	
RAB-PWD-2370	IT5 - Prepare Shop Drawings
AP06- Item 6 - Stone Cladding - Building 022,023,025,032,(	
Detailed Design Approval (DDA)	
RAB-PWD-2130	IT6 - Submit ICE Certificate to Engineer for Consent
RAB-PWD-2100	IT6 - Review of DDA by ICE



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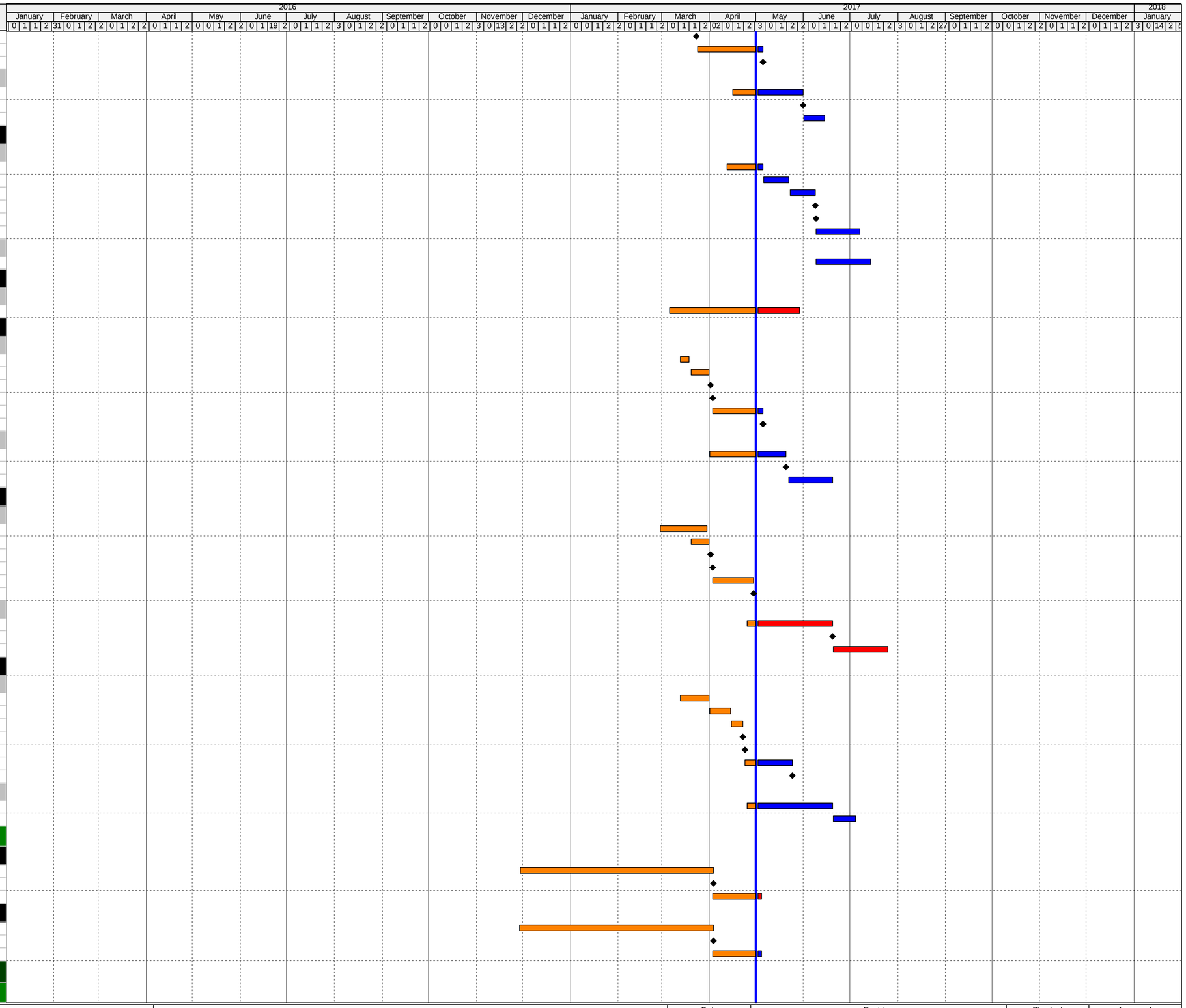
Activity ID	Activity Name
RAB-PWD-2120	IT6 - ICE issues Certification of DDA Submission
RAB-PWD-2140	IT6 - Formal DDA review by Engineer (28d + resub)
RAB-PWD-2150	IT6 - Engineer gives DDA Consent
Production of Shop Drawings	
RAB-PWD-2160	IT6 - Prepare Shop Drawings
RAB-PWD-2170	IT6 - Submit Design to Engineer with ICE Certificate
RAB-PWD-2180	IT6 - Engineer Shop Drawings Approval; Consent to Proceed Fabricatic
AP07- Item 7 - Aluminum Cladding (All Buildings)	
Detailed Design Approval (DDA)	
RAB-PWD-1860	IT7 - Prepare Detailed Design
RAB-PWD-1870	IT7 - LCWJV Review
RAB-PWD-1890	IT7 - Review of DDA by ICE
RAB-PWD-1910	IT7 - ICE issues Certification of DDA Submission
RAB-PWD-1920	IT7 - Submit ICE Certificate to Engineer for Consent
RAB-PWD-1930	IT7 - Formal DDA review by Engineer & TPIDC (28d + resub)
Production of Shop Drawings	
RAB-PWD-1950	IT7 - Prepare Shop Drawings
AP09- Item 9 - Roller Shutters - Building 023, 025, 032 & 0	
Production of Shop Drawings	
RAB-PWD-3250	IT9 - Fabrication and Delivery of Roller Shutters
AP11- Item 12 - Metal Doors - Bldg. 022	
Detailed Design Approval (DDA)	
RAB-PWD-820	IT12 - LCWJV Review
RAB-PWD-840	IT12 - Review of DDA by ICE
RAB-PWD-860	IT12 - ICE issues Certification of DDA Submission
RAB-PWD-870	IT12 - Submit ICE Certificate to Engineer for Consent
RAB-PWD-880	IT12 - Formal DDA review by Engineer (28d + resub)
RAB-PWD-890	IT12 - Engineer gives DDA Consent and Construction Begins
Production of Shop Drawings	
RAB-PWD-900	IT12 - Prepare Shop Drawings
RAB-PWD-910	IT12 - Submit Design to Engineer with ICE Certificate
RAB-PWD-920	IT12 - Proceed Fabrication
AP12- Item 13 - Glass Barrier/Protective Barriers - Buildin	
Detailed Design Approval (DDA)	
RAB-PWD-610	IT13 - LCWJV Review
RAB-PWD-630	IT13 - Review of DDA by ICE
RAB-PWD-650	IT13 - ICE issues Certification of DDA Submission
RAB-PWD-660	IT13 - Submit ICE Certificate to Engineer for Consent
RAB-PWD-670	IT13 - Formal DDA review by Engineer (28d + resub)
RAB-PWD-680	IT13 - Engineer gives DDA Consent and Construction Begins
Production of Shop Drawings	
RAB-PWD-690	IT13 - Prepare Shop Drawings
RAB-PWD-700	IT13 - Submit Design to Engineer with ICE Certificate
RAB-PWD-3260	IT13 - Fabrication and Delivery
AP13- Item 14 - External False Ceiling System at Kiosks -	
Detailed Design Approval (DDA)	
RAB-PWD-390	IT14 - Prepare Detailed Design
RAB-PWD-400	IT14 - LCWJV Review
RAB-PWD-420	IT14 - Review of DDA by ICE
RAB-PWD-440	IT14 - ICE issues Certification of DDA Submission
RAB-PWD-450	IT14 - Submit ICE Certificate to Engineer for Consent
RAB-PWD-460	IT14 - Formal DDA review by Engineer (28d + resub)
RAB-PWD-470	IT14 - Engineer gives DDA Consent and Construction Begins
Production of Shop Drawings	
RAB-PWD-480	IT14 - Prepare Shop Drawings
RAB-PWD-500	IT14 - Engineer Shop Drawings Approval; Consent to Proceed Fabricat
CSD & CBWD	
Building 044 - E&M Maintenance Building	
RAB-CSD-0550	CSD Bld 44 - Contractor's Review
RAB-CSD-0560	CSD Bld 44 - Final Submission to Engineer
RAB-CSD-0570	CSD Bld 44 - Engineer Approval; Consent to Proceed
Building 045 - Highways Depot and Administration Buildin	
RAB-CSD-0590	CSD Bld 45 - Contractor's Review
RAB-CSD-0600	CSD Bld 45 - Final Submission to Engineer
RAB-CSD-0610	CSD Bld 45 - Engineer Approval; Consent to Proceed
PROCUREMENT, MANUFACTURING & DELIVERIE	
Procurement, Manufacturing; Deliveries	



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3 - Month Rolling Programme - RAB5

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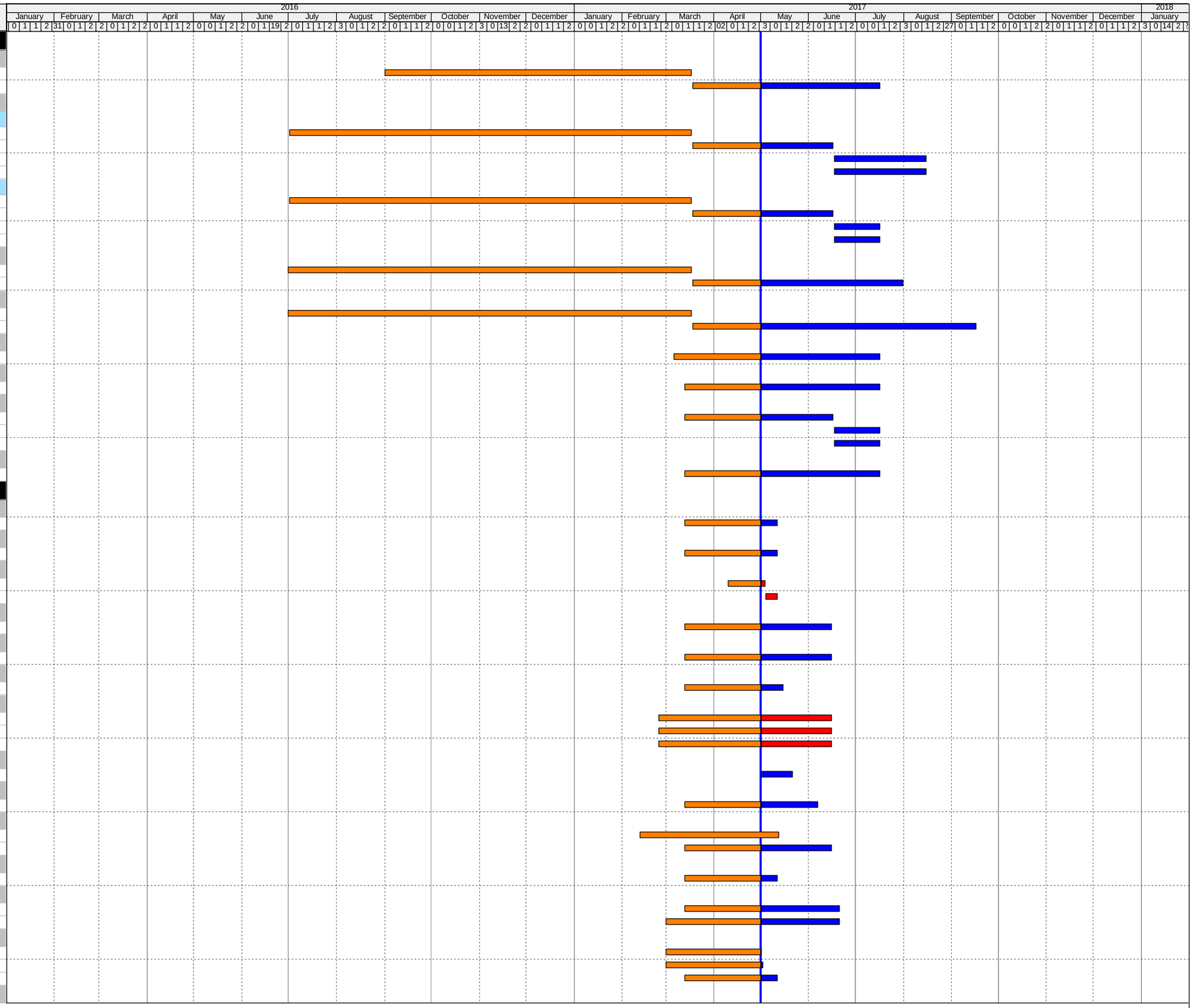
Activity ID	Activity Name
Standalone Equipment	
Large Baggage X-Ray Checker (total 1 nos)	
RAB-PME-9025	Place order(s) for Large Baggage X-Ray Checker (total 1 nos) for PCB
RAB-PME-9115	Manufacture & Delivery of Large Baggage X-Ray Checker (total 1 nos)
Medium Baggage X-Ray Checker (Type 1) (total 4 nos)	
Subject to Excision	
RAB-PME-9055	Place order for Medium Baggage X-Ray Checker (Type 1) (total 2 nos)
RAB-PME-9105	Manufacture & Delivery of Medium Baggage X-Ray Checker (Type 1) (t
RAB-PME-9216	Install and T&C x-ray examination cubicle of Building 025
RAB-PME-9217	Install and T&C x-ray examination cubicle of Building 032
Not Subject to Excision	
RAB-PME-20050	Place order for Medium Baggage X-Ray Checker (Type 1) (total 2 nos)
RAB-PME-20060	Manufacture & Delivery of Medium Baggage X-Ray Checker (Type 1) (t
RAB-PME-9215	Installation x 1 at x-ray examination hall of Building 024 (Dates TBC)
RAB-PME-9218	Installation x 1 at x-ray examination hall of Building 033 (Dates TBC)
Medium Baggage X-Ray Checker (Type 2) (total 6 nos)	
RAB-PME-9035	Place order for Medium Baggage X-Ray Checker (Type 2) (total 6 nos)
RAB-PME-9155	Manufacture & Delivery of Medium Baggage X-Ray Checker (Type 2) (t
Small Baggage X-Ray Checker (total 9 nos)	
RAB-PME-9065	Place order for Small Baggage X-Ray Checker (total 9 nos)
RAB-PME-9125	Manufacture & Delivery of Small Baggage X-Ray Checker (total 9 nos)
Under Vehicle Surveillance System (total 4 nos)	
RAB-PME-9165	Manufacture & Delivery of Under Vehicle Surveillance System (total 4 no
Wheel Lock (total 2 nos)	
RAB-PME-9185	Manufacture & Delivery of Wheel lock (total 2 nos)
Hydraulic Platform for Lifting up Cars (total 2 nos)	
RAB-PME-9135	Manuafacture & Delivery of for Hydraulic Platform for Lifting up Cars (to
RAB-PME-9205	Installation x1 at mobile x-ray vehicle inspection area of Building 024 (Da
RAB-PME-9206	Installation x1 at mobile x-ray vehicle inspection area of Building 033 (Inl
Dock Leveler (total 4 nos)	
RAB-PME-9145	Manuafacture & Delivery of Dock Leveler (total 4 nos)
Major E&M Equipment	
Local Motor Control Panel	
RAB-PME-9175	Manufacture & Delivery of Local Motor Control Panel
Exhaust Air Fan	
RAB-PME-9195	Manuafacture & Delivery of Exhaust Air Fan
Make-up Air Fan	
RAB-PME-19740	Place order for Make-up Air Fan for All buildings except 058 and 059
RAB-PME-19750	Manuafacture & Delivery of Make-up Air Fan
Precise Air Flow Monitoring Supply Air Valve for Medical Are	
RAB-PME-19870	Manuafacture & Delivery of Precise Air Flow Monitoring Supply Air Valve
Precise Air Flow Monitoring Exhaust Air Valve for Medical Ar	
RAB-PME-19810	Manufacture & Delivery of Precise Air Flow Monitoring Exhaust Air Valve
Primary Air Handling Unit	
RAB-PME-19830	Manuafacture & Delivery of Primary Air Handling Unit
Air Handling Unit	
RAB-PME-19850	Manufacture & Delivery of Air Handling Unit Building 045 (2/F Canteen)
RAB-PME-20070	Manufacture & Delivery of Air Handling Unit Building 025 (Medical Areas
RAB-PME-20080	Manufacture & Delivery of Air Handling Unit Building 032 (Medical Areas
Air-to-air Heat Recovery Device	
RAB-PME-19910	Manufacture & Delivery of Air-to-air Heat Recovery Device
Electrostatic Precipitator	
RAB-PME-19990	Manufacture & Delivery of Electrostatic Precipitator Building 045 (2/F Ca
Essential Generator	
RAB-PME-20300	Place order for Genset for Building 045
RAB-PME-20310	Manufacture & Delivery of Genset Building 045 (G/F Essential Generat
Welding Fume Hood	
RAB-PME-19930	Manufacture & Delivery of Welding Fume Hood
Standalone Bio-oxygen/ Activated Oxygen Generator	
RAB-PME-19950	Manufacture & Delivery of Standalone Ozone Generator Building 025 (I
RAB-PME-20120	Manufacture & Delivery of Standalone Ozone Generator Building 032 (I
Standalone Ultra-Violet (UV) Generator	
RAB-PME-20090	Manufacture & Delivery of Standalone Ultra-Violet (UV) Generator Buil
RAB-PME-20100	Manufacture & Delivery of Standalone Ultra-Violet (UV) Generator Buil
RAB-PME-19970	Manufacture & Delivery of Standalone Ultra-Violet (UV) Generator Buil
Oscillating Fan	



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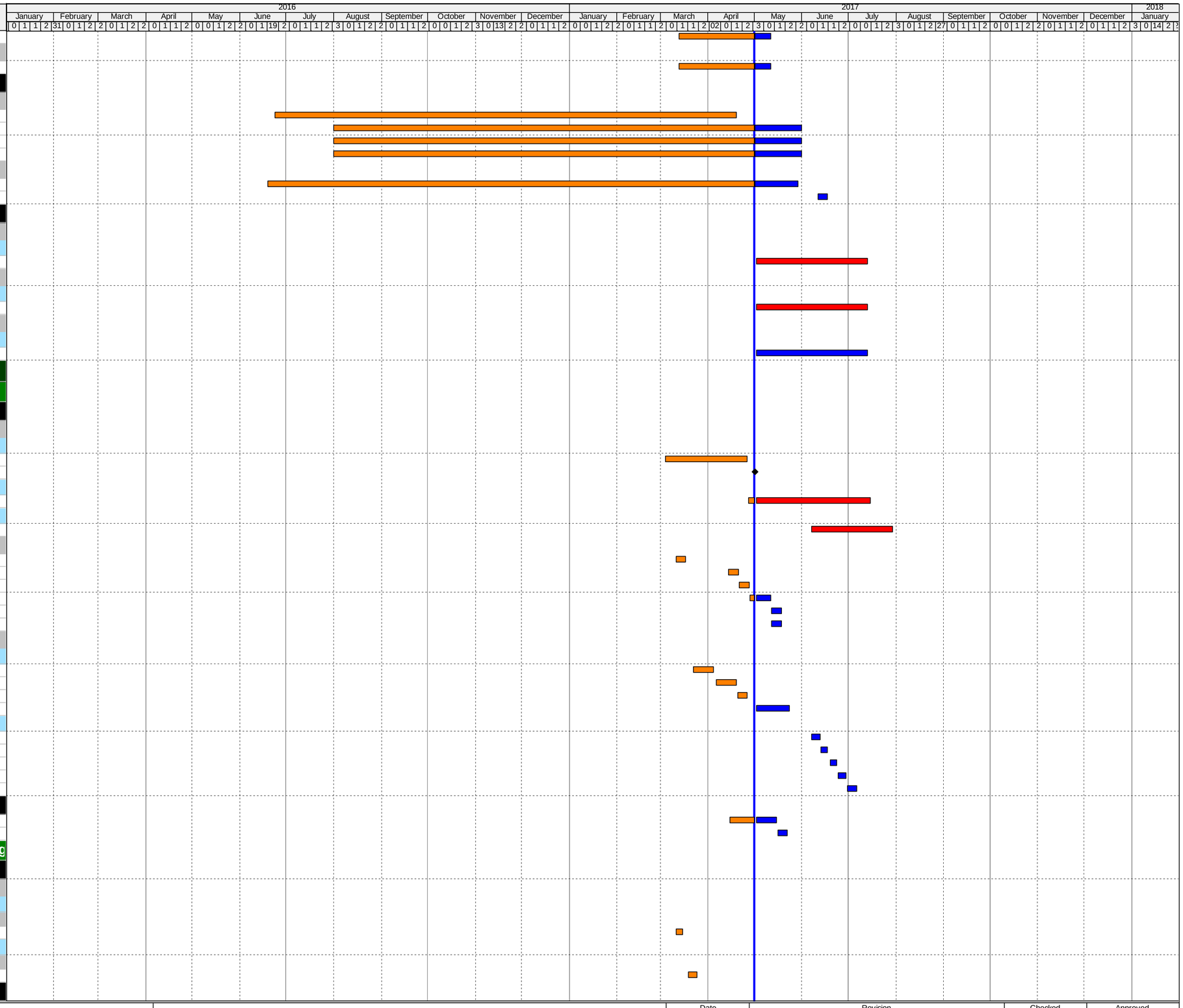
3 - Month Rolling Programme - RAB5

Date	Revision	Checked	Approved
01-May-17	Target Programme RAB5	SGJ	

Activity ID	Activity Name
RAB-PME-20010	Manufacture & Delivery of Oscillating Fans in Building 050
Blower Fan	
RAB-PME-20030	Manufacture & Delivery of Blower Fans in Building 050
Major Sub-Contractor Procurement	
S/C - Passenger Lifts	
RAB-PME-20290	Lift - Manufactuer and Delivery of Building 053 Passenger Lift - 053
RAB-PME-20260	Lift - Manufactuer and Delivery of Building 044 Passenger Lift - 044
RAB-PME-20270	Lift - Manufactuer and Delivery of Building 045 Passenger Lift - 045
RAB-PME-20280	Lift - Manufactuer and Delivery of Building 023 Passenger Lift - 023
S/C - Photovoltaic (PV) System	
RAB-PME-20380	PV - Design, Manufacture & QC Inspection, PV System
RAB-PME-20390	PV - Site Delivery, PV System - Bldg. 023
Field Samples Mock-up / Prototypes	
Mock Up Item 8 - PCA Immigration Desk - Building 025, 032	
General	
RAB-FSM-4550	VMU8 - Procurement of Mock Up Elements
Mock Up Item 10 - PCA Department of Health Booth 025, 032	
General	
RAB-FSM-4910	VMU10 - Procurement of Mock Up Elements
Mock Up Item 11 - PCA Ground Floor Coved and Flat Ceiling	
General	
RAB-FSM-4790	VMU11 - Procurement of Mock Up Elements
CONSTRUCTION	
Building 021 - C&ED Dangerous Goods Store	
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-21-0210	021 - MEP 1st Fix
RAB-KD4A10	021 - Projected achievement of Stage 4A of the Works
Degree 2	
RAB-21-0290	021 - E&M 2nd Fix
Degree 3	
RAB-21-0510	021 - Wall, Ceiling & Floor Finish
Roof Finishes	
RAB-21-0180	021 - Leveling screed - (110m²)
RAB-21-0200	021 - Waterproof membrane - (110m²)
RAB-21-0230	021 - Top Screed - (110m²)
RAB-21-0250	021 - Install Roof Tiles - (110m²)
RAB-21-0270	021 - Install Railing 50m
RAB-21-0280	021 - Install Cat Ladder and Roof Hatch
External Finishes	
Facade	
RAB-21-0220	021 - External Plastering / Rendering
RAB-21-0260	021 - External Painting
RAB-21-0310	021 - Dismantle Scaffolding
RAB-21-0190	021 - Install External Louvers /Windows/Temp Doors
At Grade	
RAB-21-380	021 - Prepare Sub Grade
RAB-21-370	021 - Laying Geo Textile
RAB-21-390	021 - Lay Granular Sub-Base
RAB-21-400	021 - Laying Course
RAB-21-360	021 - Concrete Block Paving
Utilities and Drainage	
RAB-21-7290	021 - Construct Permanent Drainage, Manholes & Draw Pits
RAB-21-7300	021 - Utiltites and Common Telecom Ducting
Building 022 - Customs Detective Dog Base Building	
Structure	
Roof Slab	
Middle Structure	
Cure and Strip	
RAB-22-0380	022 - Cure and Strip False/Formwork
South Structure	
Cure and Strip	
RAB-22-0510	022 - Cure and Strip False/Formwork
ABWF/E&M	



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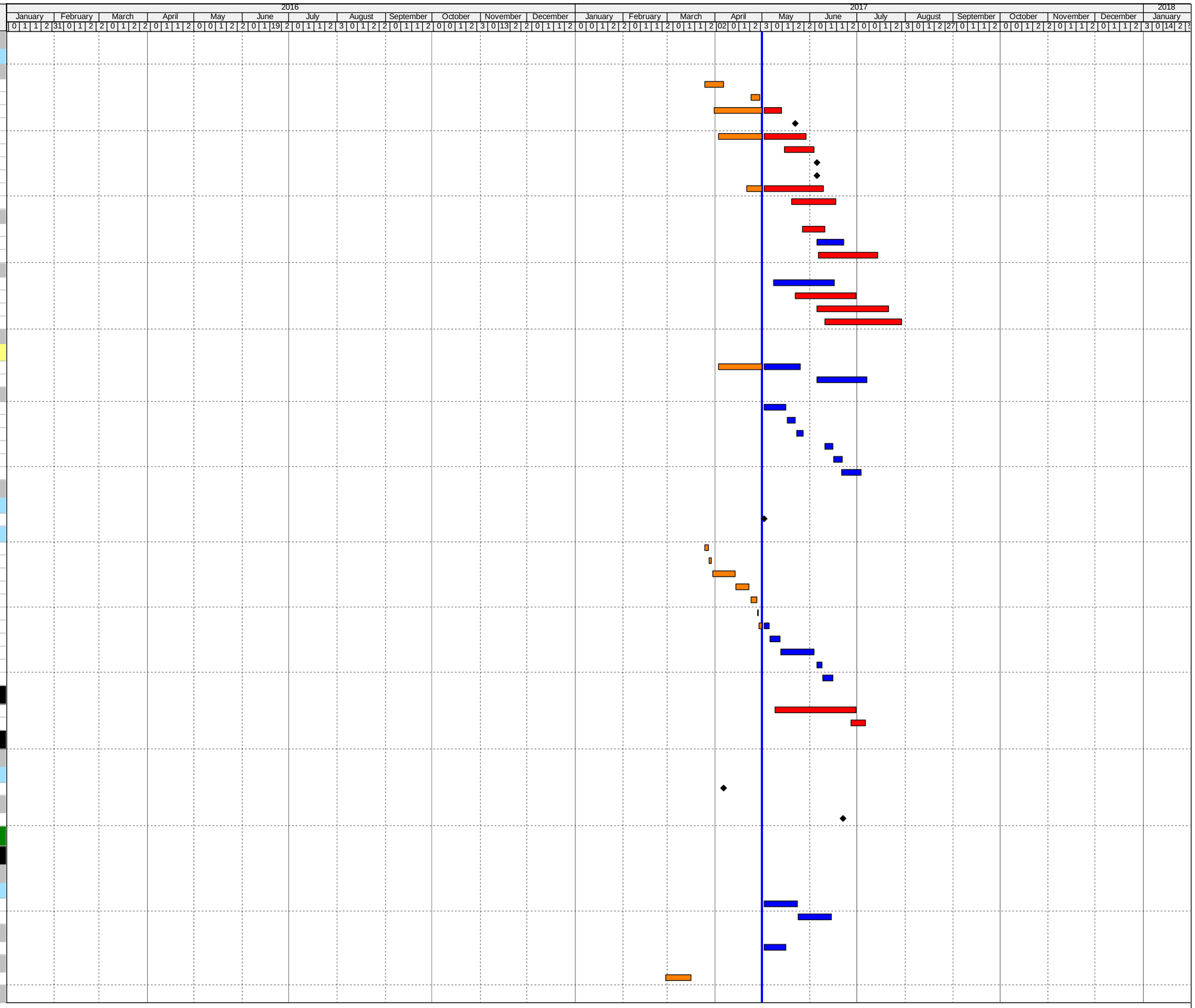
3 - Month Rolling Programme - RAB5

Date	Revision	Checked	Approved
01-May-17	Target Programme RAB5	SGJ	

Activity ID	Activity Name
Internal Finishes	
North	
Degree 1	
RAB-22-8235	022 - Make Good Tie Bolt Holes
RAB-22-8695	022 - Install Conduit for C3 & C8***
RAB-22-8205	022 - Blockwork Walls & Partition
RAB-22-0680	022 - Access for C3 Cable containment
RAB-22-8215	022 - Plastering/Rendering
RAB-22-8665	022 - Screeding
RAB-22-0670	022 - Access to C3 Cabling Works***
RAB-22-0660	022 - ABWF and MEP works to Degree 1 (KD5A),
RAB-22-8225	022 - MEP 1st Fix
RAB-22-8285	022 - Undercoat
Degree 2	
RAB-22-0855	022 - Frame for Wall Panel & Cladding
RAB-22-0885	022 - Door Frame & Louvers
RAB-22-0895	022 - MEP 2nd Fix
Degree 3	
RAB-22-8535	022 - Floor Tiling + Floor Finishes (for Early Handover Rooms)
RAB-22-8395	022 - Wall Tiling
RAB-22-0865	022- Ceiling Frame
RAB-22-8255	022 - Ceiling Finish Compl.
External Finishes	
Facade	
RAB-22-0410	022 - External Render
RAB-22-0470	022 - External Painting, Tiling & Cladding
Roof Finishes - North	
RAB-22-2180	022 - Set up and Mobilisation for Roof Finishes
RAB-22-0350	022 - Leveling screed
RAB-22-0370	022 - Waterproof membrane
RAB-22-1040	022 - Insulation Board
RAB-22-0400	022 - Top Screed
RAB-22-0460	022 - Install Roof Tiles
Specialist Installations	
Window Wall	
RAB-22-7020	022 - Complete Formwork Stripping to Roof Level
Dog Swimming Pool	
RAB-22-0160	022 - Setting out of Dog Swimming Pool
RAB-22-0170	022 - Excavate for Dog Swimming Pool
RAB-22-0200	022 - RC Structure
RAB-22-0220	022 - Construct Staircase
RAB-22-0480	022 - Waterproofing
RAB-22-0490	022 - Backfill to ground level at Dog Swimming Pool
RAB-22-0560	022 - Render/Plaster to Dog Swimming Pool
RAB-22-0600	022 - Tiling to Dog Swimming Pool
RAB-22-0640	022 - Plumbing and filtration systems
RAB-22-0630	022 - Metalworks and Railings
RAB-22-0700	022 - Snagging and Remedials - Dog Pool
Utilities and Drainage	
RAB-22-8095	022 - Construct Permanent Drainage and Manholes (Approx 72m) - N
RAB-22-8135	022 - Install FS Water main
Statutory Submissions & Approvals (Day 670 Completion)	
Water Supplies Department (WSD)	
Commencement	
RAB-WSD-814	022 - WSD Issue WWO 46 Pt. III
Fire Servives Department (VAC)	
RAB-FSD-850	022 - Submit Form 314
Building 023 - C&ED Outbound Cargo Examination	
Structure	
Ground Floor	
Planters	
RAB-23-6140	023 - Construct North Planter Box and Ramp
RAB-23-6230	023 - Construct South Planter Box and Ramp
Supporting Walls and Columns to +12.85mPD	
RAB-23-2180	023 - Install FS and SPR RC Water Tanks (G/F North)
Supporting Walls and Columns to +17.1mPD	
RAB-23-5440	023 - Construct External Walls to +17.1mPD Bay 5 (GL4-8.5)
Roof	



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3 - Month Rolling Programme - RAB5

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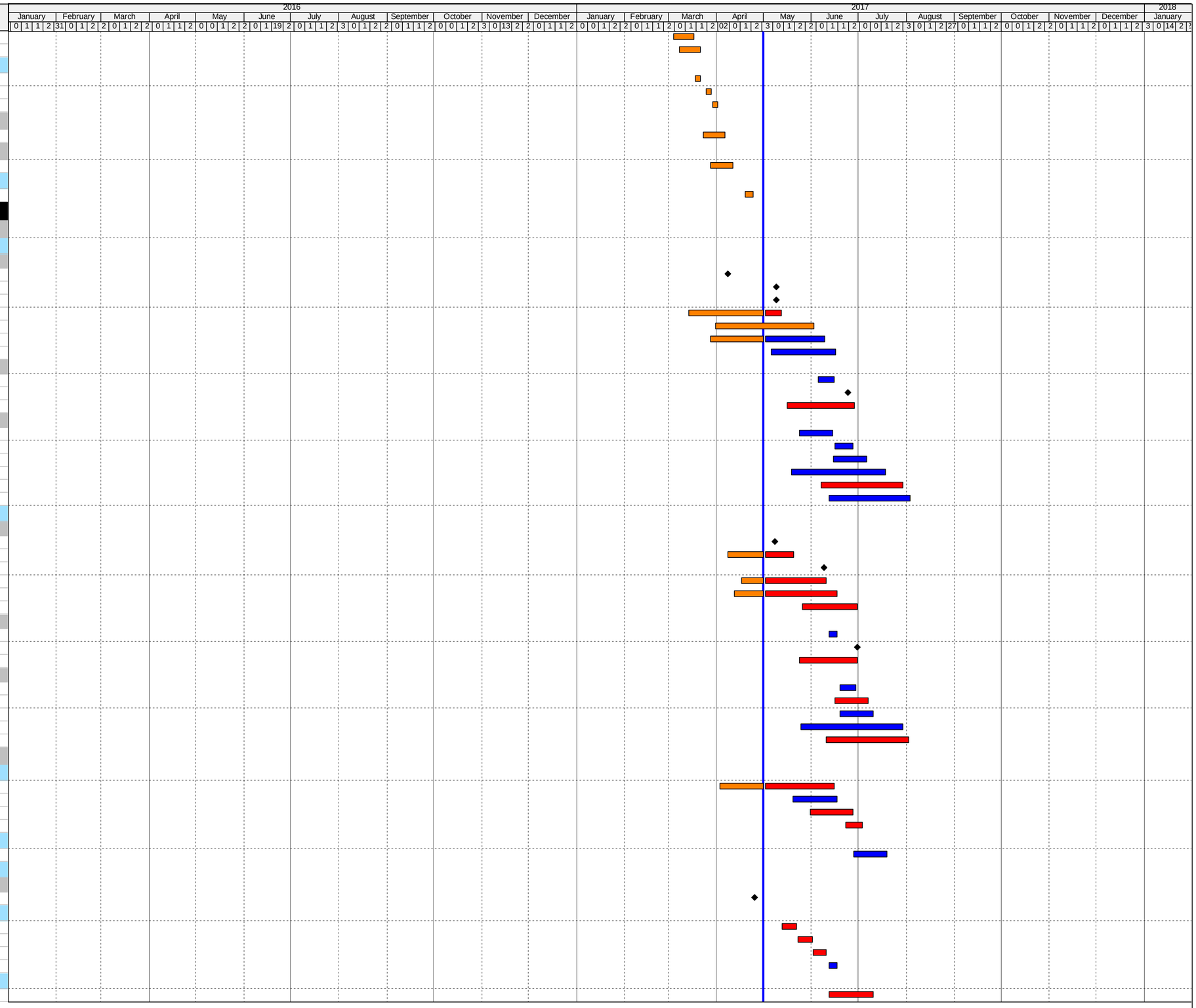
Activity ID	Activity Name
RAB-23-5690	023 - Construct R/F Suspended Slab +17.1mPD Bay 6 (GL1-4)
RAB-23-5520	023 - Construct R/F Suspended Slab +17.1mPD Bay 5 (GL4-8.5)
Cure and Strip	
RAB-23-5370	023 - Cure and Strip False/Formwork +17.1mPD Bay 2 (GL8.5-10), 1/
RAB-23-5730	023 - Cure and Strip False/Formwork +17.1mPD Bay 6 (GL1-4), 1/F - I
RAB-23-5630	023 - Cure and Strip False/Formwork +17.1mPD Bay 5 (GL4-8.5), 1/F
Supporting Walls and Columns to +19.1mPD	
RAB-23-5840	023 - Construct External Walls to +19.95mPD
Lift Doghouse	
RAB-23-5960	023 - Construct T/R Suspended Slab +19.95mPD
Cure and Strip	
RAB-23-6060	023 - Cure and Strip False/Formwork +19.95mPD
ABWF/E&M	
Internal Finishes	
Ground Floor	
Degree 1	
RAB-23-5480	023 - Access to C3, C6 & C7 Wall Conduit***, G/F
RAB-23-5530	023 - Access to C3, C6 & C7 Cabling***, G/F
RAB-23-5540	023 - ABWF and MEP works to Degree 2 for others (KD3B) 1/F
RAB-23-5420	023 - Construct Blockwork Walls to G/F
RAB-23-5470	023 - MEP 1st Fix, G/F
RAB-23-5430	023 - Plastering & Undercoat, G/F
023 -23-5430	023 - Screeding, G/F
Degree 2	
RAB-23-5610	023 - Frame for Wall Panel & Cladding + Louver, G/F
RAB-23-5670	023 - Access to C3, C6 & C7 For Equip. Installation***, G/F
RAB-23-5860	023 - MEP 2nd Fix, G/F
Degree 3	
RAB-23-6320	023 - Ceiling Paint Finish, G/F
RAB-23-6080	023 - Glazing, G/F
RAB-23-5760	023 - Ceiling Frame, G/F
RAB-23-5930	023 - Wall Finish - Paint & Tile, G/F
RAB-23-6380	023 - MEP Final Fix, G/F
RAB-23-6220	023 - Floor Finish Other Than Carpet, G/F
First Floor	
Degree 1	
RAB-23-8245	023 - C3, C6 & C7 Wall Conduit***, 1/F
RAB-23-8055	023 - Construct Blockwork Walls, G/F - 1/F North (932m³), 1/F
RAB-23-8345	023 - C3, C6 & C7 Cabling***, 1/F
RAB-23-8075	023 - MEP 1st Fix, 1/F
RAB-23-8065	023 - Plastering & Undercoat, 1/F
RAB-23-8215	023 - Screeding, 1/F
Degree 2	
RAB-23-8085	023 - Frame for Wall Panel & Cladding + Louver, 1/F
RAB-23-5790	023 - ABWF and MEP works to Degree 2 for others (KD3B) 1/F
RAB-23-8125	023 - MEP 2nd Fix, 1/F
Degree 3	
RAB-23-8145	023 - Glazing, 1/F
RAB-23-8135	023 - Ceiling Paint Finish, 1/F
RAB-23-8105	023 - Ceiling Frame, 1/F
RAB-23-8175	023 - Wall Finish - Paint & Tile, 1/F
RAB-23-8165	023 - MEP Final Fix, 1/F
External Finishes	
Facade	
RAB-23-5560	023 - External Render
RAB-23-5590	023 - External Tiling
RAB-23-5650	023 - External Painting
RAB-23-5990	023 - Dismantle Scaffolding
At Grade	
RAB-23-5740	023 - Prepare Sub Grade
Window Wall	
East	
RAB-23-6800	023 - Complete Formwork Stripping to Roof Level - E
Roof Finishes	
RAB-23-5500	023 - Leveling screed
RAB-23-5550	023 - Waterproof membrane
RAB-23-5620	023 - Top Screed
RAB-23-5920	023 - Install Railing
Green Roof	
RAB-23-5720	023 - Install green Roof Irrigation Systems



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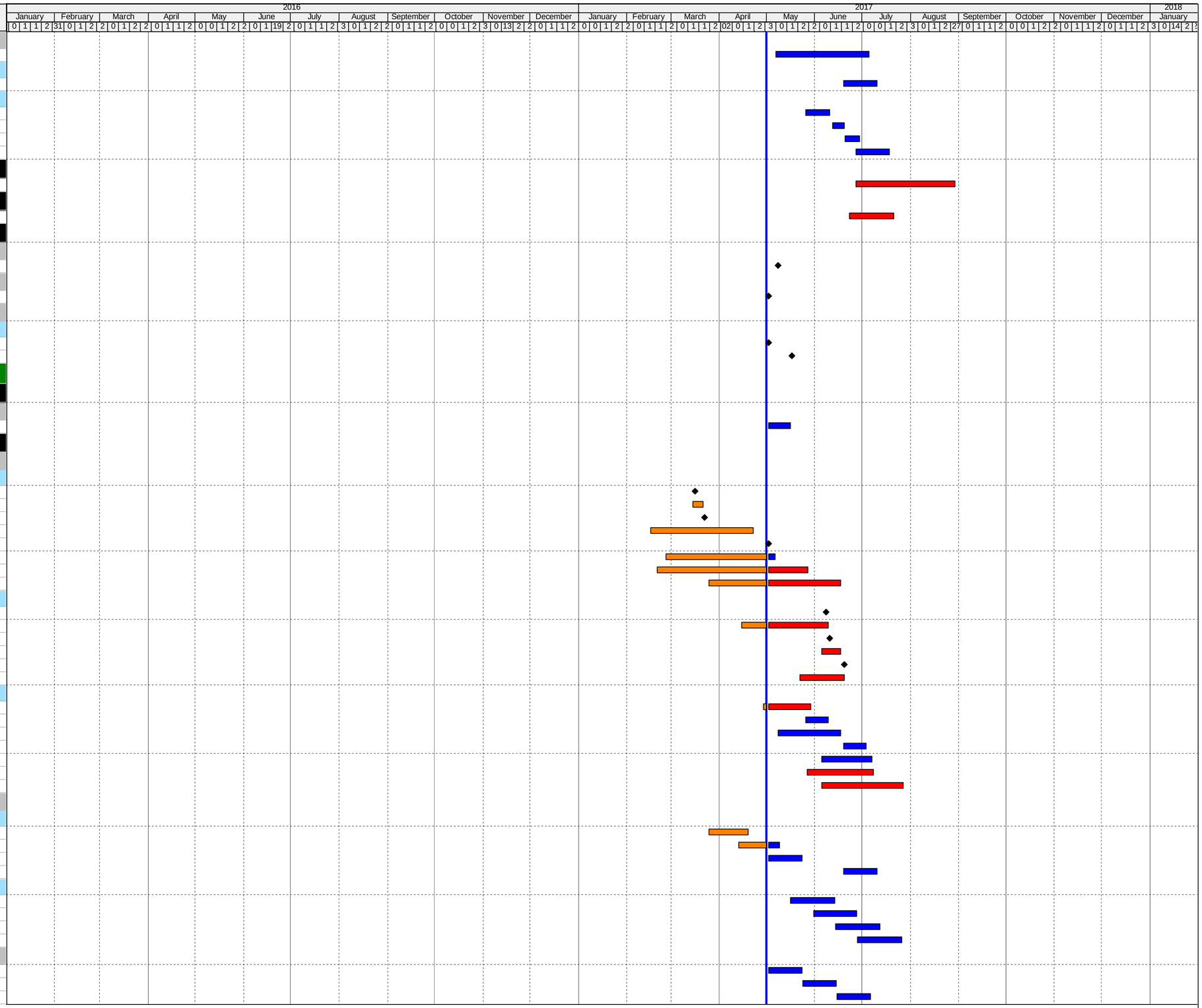
3 - Month Rolling Programme - RAB5

Date	Revision	Checked	Approved
01-May-17	Target Programme RAB5	SGJ	

Activity ID	Activity Name
Specialist Installations	
RAB-23-6270	023 - Install Lift (1 nos)
PV Installation	
RAB-23-6350	023 - Install Supporting Frame and PV panel
Steel Canopy	
RAB-23-6170	023 - Install Steel Support Columns
RAB-23-6200	023 - Install Primary Steelwork
RAB-23-6240	023 - Install Secondary Steelwork
RAB-23-6290	023 - Install Metal Cladding Panels
Utilities and Drainage	
RAB-23-7975	023 - Construct Permanent Drainage, Manholes & Draw Pits
Testing & Commissioning	
RAB-TC23-1000	023 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 610 Completion)	
EMSD - Building 023 Lift Inspection	
RAB-FSD-170	023 - Submit EMSD Form 3 (Commencement of Lift Installation)
Fire Servives Department (VAC)	
RAB-FSD-890	023 - Submit Form 314
Fire Services Department (FSD)	
Completion	
RAB-FSD-138	023 - Submit Form 314
RAB-FSD-108	023 - Submit WWO 46 Pt. IV for Building 023
Building 025 - Inbound Private Car Annexure	
Structure	
Walls & Columns	
RAB-25-600	025 - Construct SPR & FS RC Watertanks (GF North)
ABWF/E&M INTERNAL FINISHES	
INTERNAL FINISHING WORKS	
Degree 1	
RAB-KD6A10	KD6A - Projected achievement of Stage KD6A of the Works
RAB-25-7500	025 - Access C3, C6 & C6 Conduit Installation***
RAB-25-7530	025 - Access for C6 Cabling***
RAB-25-7380	025 - Blockwork/Partition Walls (1720m²)
RAB-25-7540	025 - Access for C3 Cabling***
RAB-25-7400	025 - MEP 1st Fix
RAB-25-7490	025 - Floor Screed
RAB-25-7390	025 - Plastering & Under Coat
Degree 2	
RAB-25-7560	025 - Access C3, C6 & C7 Equip. Installation***
RAB-25-7430	025 - MEP 2nd Fix
RAB-25-7350	025 - Power On Available
RAB-25-7450	025 - Frame for Wall Panel & Cladding
RAB-KD6B10	KD6B - Projected achievement of Stage 6B of the Works
RAB-25-7570	025 - Raised Floor Pedestal
Degree 3	
RAB-25-7610	025 - Wall Tiling
RAB-25-7440	025 - Door Frame/Panel & Ironmongery
RAB-25-7480	025 - Floor Tiling
RAB-25-7580	025 - Floor Painting
RAB-25-7600	025 - Wall Paint Finish Coat
RAB-25-7470	025 - Ceiling Painting & Ceiling Sub-Frame
RAB-25-7460	025 - MEP Final Fix
External Finishes	
Facade	
RAB-25-0400	025 - External Render
RAB-25-0420	025 - External Tiling
RAB-25-0450	025 - External Painting
RAB-25-0360	025 - Install External Louvers /Windows/Doors
At Grade	
RAB-25-6400	025 - Prepare Sub Grade
RAB-25-6390	025 - Laying Geo Textile
RAB-25-6410	025 - Lay Granular Sub-Base
RAB-25-6420	025 - Laying Course
Roof Finishes	
RAB-25-0390	025 - Leveling screed - (1285m²)
RAB-25-0440	025 - Waterproof membrane - (1285m²)
RAB-25-0470	025 - Top Screed - (1285m²)



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3 - Month Rolling Programme - RAB5

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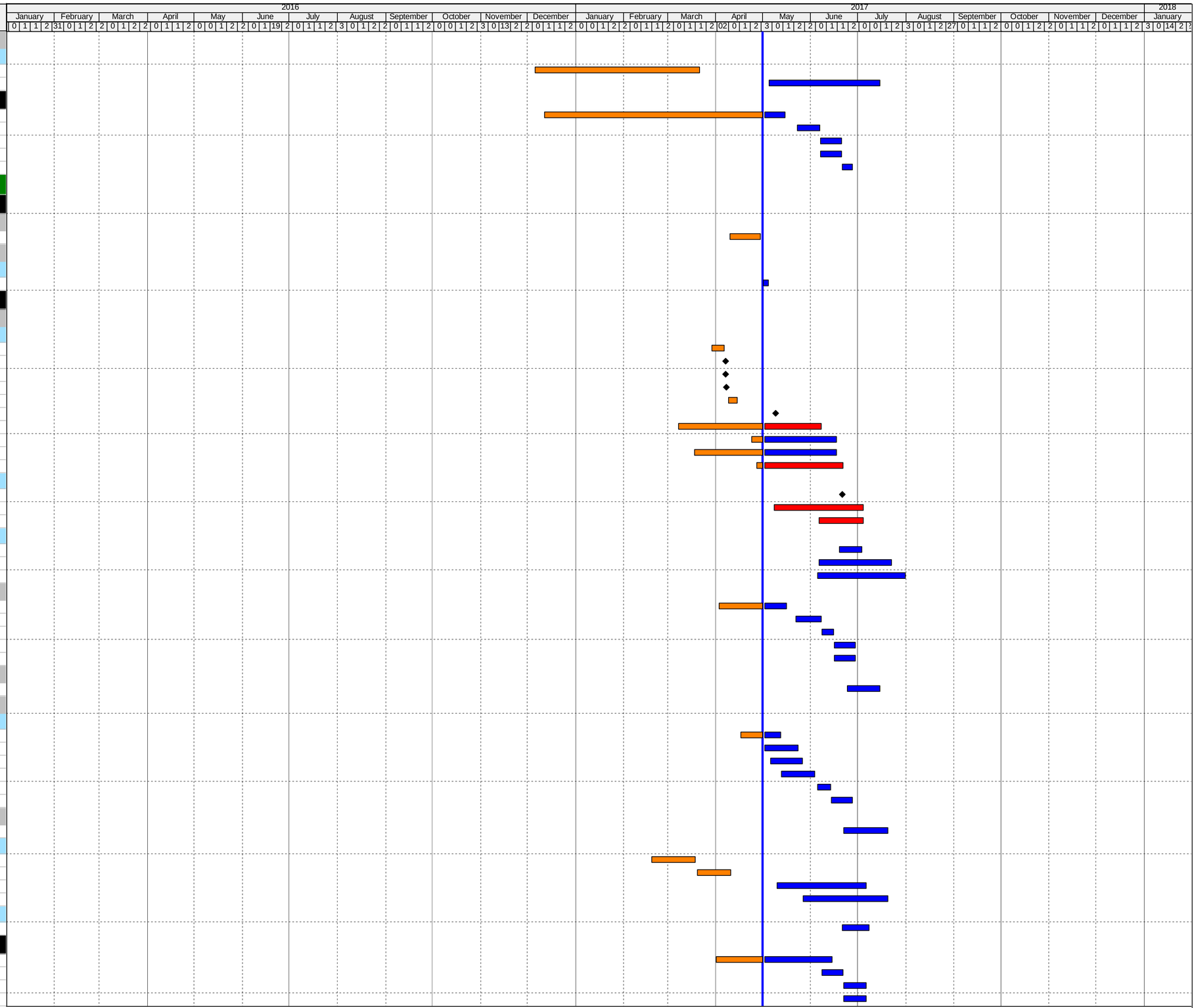
Activity ID	Activity Name
Specialist Installations	
IMMD Kiosk	
RAB-25-0320	025 - Construct Kiosk Roof Structure
RAB-25-0380	025 - Internal ABWF and MEP of IMMD Kiosk
Utilities and Drainage	
RAB-25-7250	025 - Construct Permanent Drainage, Manholes & Draw Pits
RAB-25-7290	025 - Install FS Water Main
RAB-25-7270	025 - Install Flushing Water Mains
RAB-25-7280	025 - Install Fresh Water Mains
RAB-25-7260	025 - Utiltites and Common Telecom Ducting
Building 032 - Outbound Private Car Annexure	
Structure	
Walls & Columns	
RAB-32-610	032 - Install SPR and FS RC Water Tanks (G/F South)
Roof Slab	
Cure and Strip	
RAB-32-0690	032 - Cure and Strip False/Formwork, Water Tank
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-32-0780	032 - Access for C6 Cable Tray Installation***
RAB-32-0810	032 - Access for C6 Cabling***
RAB-32-0730	032 - Access for C6 Cabling work at Police Room***
RAB-KD7A10	KD7A - Projected achievement of Stage 7A of the Works
RAB-32-0710	032 - Access for C3, C6 & C8 Conduit Installation***
RAB-32-0820	023 - Access for C3 Cabling***
RAB-32-0460	032 - Construct Blockwork Walls (2170m²)
RAB-32-0700	032 - Floor Screed
RAB-32-0720	032 - Plastering & Undercoat
RAB-32-0510	032 - MEP 1st Fix
Degree 2	
RAB-32-0840	032 - Access for C3, C6 & C7 Equip. Installation***
RAB-32-0560	032 - MEP 2nd Fix
RAB-32-0760	032 - Door & Windor Frame + Louver
Degree 3	
RAB-32-0790	032 - Glazing
RAB-32-0750	032 - Ceiling Frame
RAB-32-0770	032 - Floor Tiling & Floor Finishes to Early handover Rooms
Roof Finishes	
RAB-32-0390	032 - Leveling screed
RAB-32-0440	032 - Waterproof membrane
RAB-32-0470	032 - Roof Tiling
RAB-32-0550	032 - Install Railing
RAB-32-0540	032 - Install Cat Ladders and Roof Hatch
Green Roof	
RAB-32-0620	032 - Install Green Roof Irrigation Systems
External Finishes	
Facade	
RAB-32-0400	032 - External Render
RAB-32-0360	032 - Install External Louvers /Windows/Doors
RAB-32-0420	032 - External Tiling
RAB-32-0450	032 - External Painting
RAB-32-0570	032 - Dismantle Scaffolding
RAB-32-0580	032 - Make good external surfaces
Specialist Installations	
RAB-32-630	032 - Construct Immigration Counters x 3
IMMD Kiosk	
RAB-32-0250	032 - Construct Kiosk Baseslab and Walls
RAB-32-0320	032 - Construct Kiosk Roof Structure
RAB-32-0380	032 - Internal ABWF and MEP of IMMD Kiosk
RAB-32-0350	032 - External Finishes to IMMD Kiosk
Glazed Canopy	
RAB-32-0480	032 - Install Steel Support Columns (14 No)
Utilities and Drainage	
RAB-32-7290	032 - Construct Permanent Drainage and Manholes (Approx 150m)
RAB-32-7330	032 - Install FS Water Main
RAB-32-7310	032 - Install Flushing Water Mains
RAB-32-7320	032 - Install Fresh Water Mains



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3 - Month Rolling Programme - RAB5

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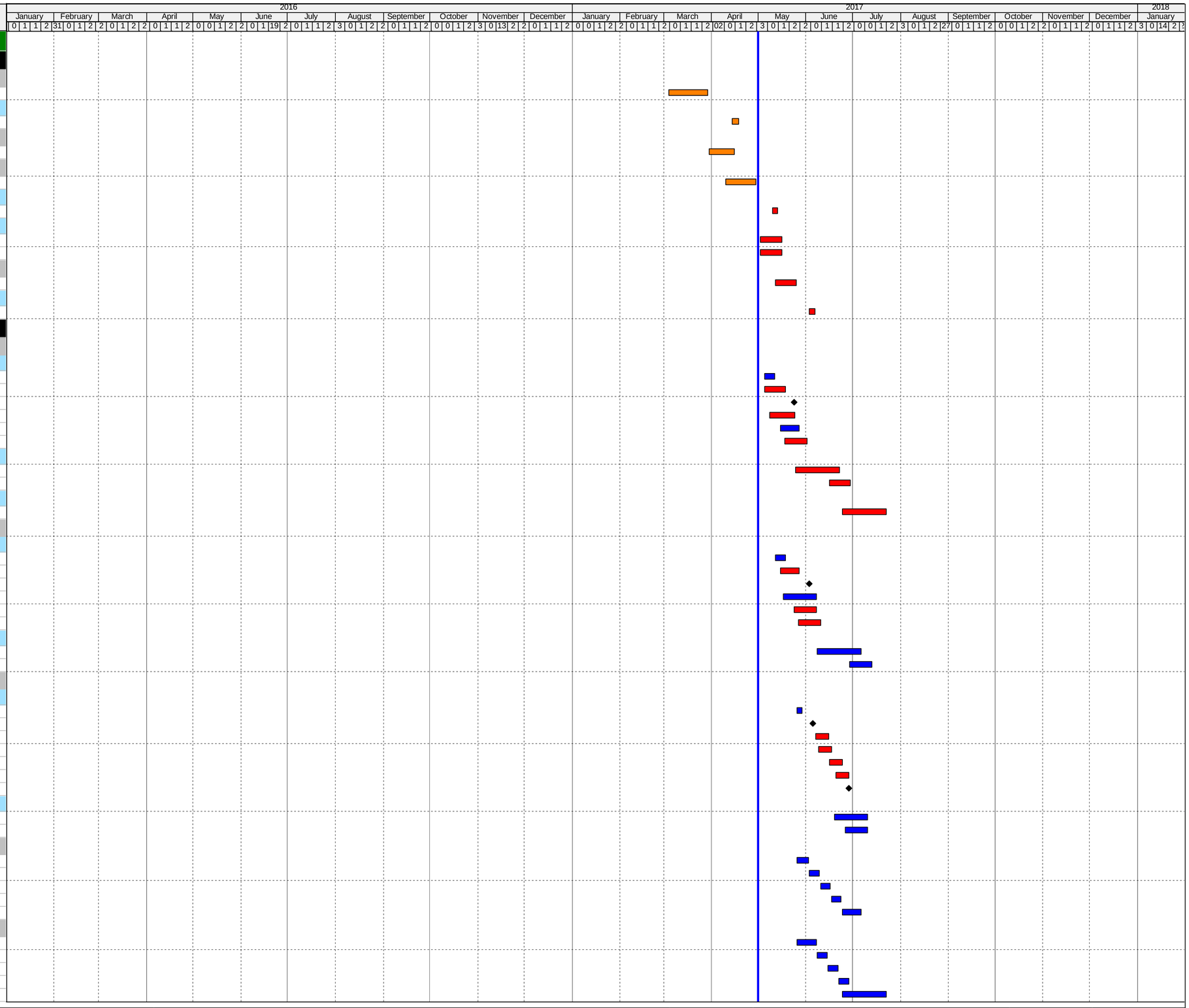
Activity ID	Activity Name
Building 044 - E&M Maintenance Building	
Structure	
First Floor	
RAB-44-0190	044 - Construct 1/F Suspended Slab +12.15mPD
Cure and Strip	
RAB-44-0220	044 - Cure and Strip False/Formwork for +12.15mPD Slab, G/F - 1/F
First Floor to Second Floor	
RAB-44-0210	044 - Construct External Walls to +16.85mPD
Second Floor	
RAB-44-0250	044 - Construct Roof Level (2/F) RC Structures upto +16.85mPD
Cure and Strip	
RAB-44-0280	044 - Cure and Strip False/Formwork for +16.85mPD Slab, 1/F - 2/F
Second Floor to Roof	
RAB-44-0270	044 - Construct External Walls to +20.65mPD (South)
RAB-44-610	044 - Install SPR (37m³) and FS (36m³) RC Water Tanks
Roof Level	
RAB-44-0330	044 - Construct Roof Floor upto +20.65mPD (242m²) (72m³)
Cure and Strip	
RAB-44-0370	044 - Cure and Strip False/Formwork for +20.65mPD Slab, 2/F - R/F+
ABWF/E&M	
Ground Floor	
Degree 1	
RAB-44-1190	044 - C3 & C8 Conduit Installation*** - G/F
RAB-44-1110	044 - Construct Blockwork Walls - G/F
RAB-44-1200	044 - C3 Cabling*** - G/F
RAB-44-1185	044 - MEP 1st Fix - G/F
RAB-44-1180	044 - Plastering & Undercoat - G/F
RAB-44-1170	044 - Screed - G/F
Degree 2	
RAB-44-9175	044 - MEP 2nd Fix - G/F
RAB-44-0760	044 - Door & Windor Frame + Louver - G/F
Degree 3	
RAB-44-9285	044 - Wall Finish, Paint & Tile - G/F
First Floor	
Degree 1	
RAB-44-9405	044 - C3, C6 & C8 Conduit Installation*** - 1/F
RAB-44-9315	044 - Construct Blockwork Walls - 1/F
RAB-44-9415	044 - Access for C3 Cabling*** - 1/F
RAB-44-9305	044 - MEP 1st Fix - 1/F
RAB-44-9335	044 - Plastering & Undercoat - 1/F
RAB-44-9325	044 - Screed - 1/F
Degree 2	
RAB-44-9365	044 - MEP 2nd Fix - 1/F
RAB-44-9455	044 - Door & Windor Frame + Louver - 1/F
Second Floor	
Degree 1	
RAB-44-9755	044 - C3, C6 & C8 Conduit Installation*** - 2/F
RAB-44-9765	044 - Access for C3 Cabling*** - 2/F
RAB-44-9525	044 - Construct Blockwork Walls - 2/F
RAB-44-9515	044 - MEP 1st Fix - 2/F
RAB-44-9545	044 - Plastering & Undercoat - 2/F
RAB-44-9535	044 - Screed - 2/F
RAB-KD8A20	044 - Projeted achievement of Stage 8A of the Works - 2/F
Degree 2	
RAB-44-9575	044 - MEP 2nd Fix - 2/F
RAB-44-9665	044 - Door & Windor Frame + Louver - 2/F
Roof Finishes	
RAB-44-0420	044 - Leveling screed - (242m²)
RAB-44-0450	044 - Waterproof membrane - (242m²)
RAB-44-1150	044 - Insulation Board - (242m²)
RAB-44-0480	044 - Top Screed - (242m²)
RAB-44-0520	044 - Install Roof Tiles - (242m²)
Green Roof	
RAB-44-0320	044 - Erect External Scaffolding
RAB-44-0350	044 - Leveling screed - (242m²)
RAB-44-0360	044 - Waterproof membrane - (242m²)
RAB-44-0390	044 - Top Screed - (242m²)
RAB-44-0400	044 - Install green Roof Irrigation Systems

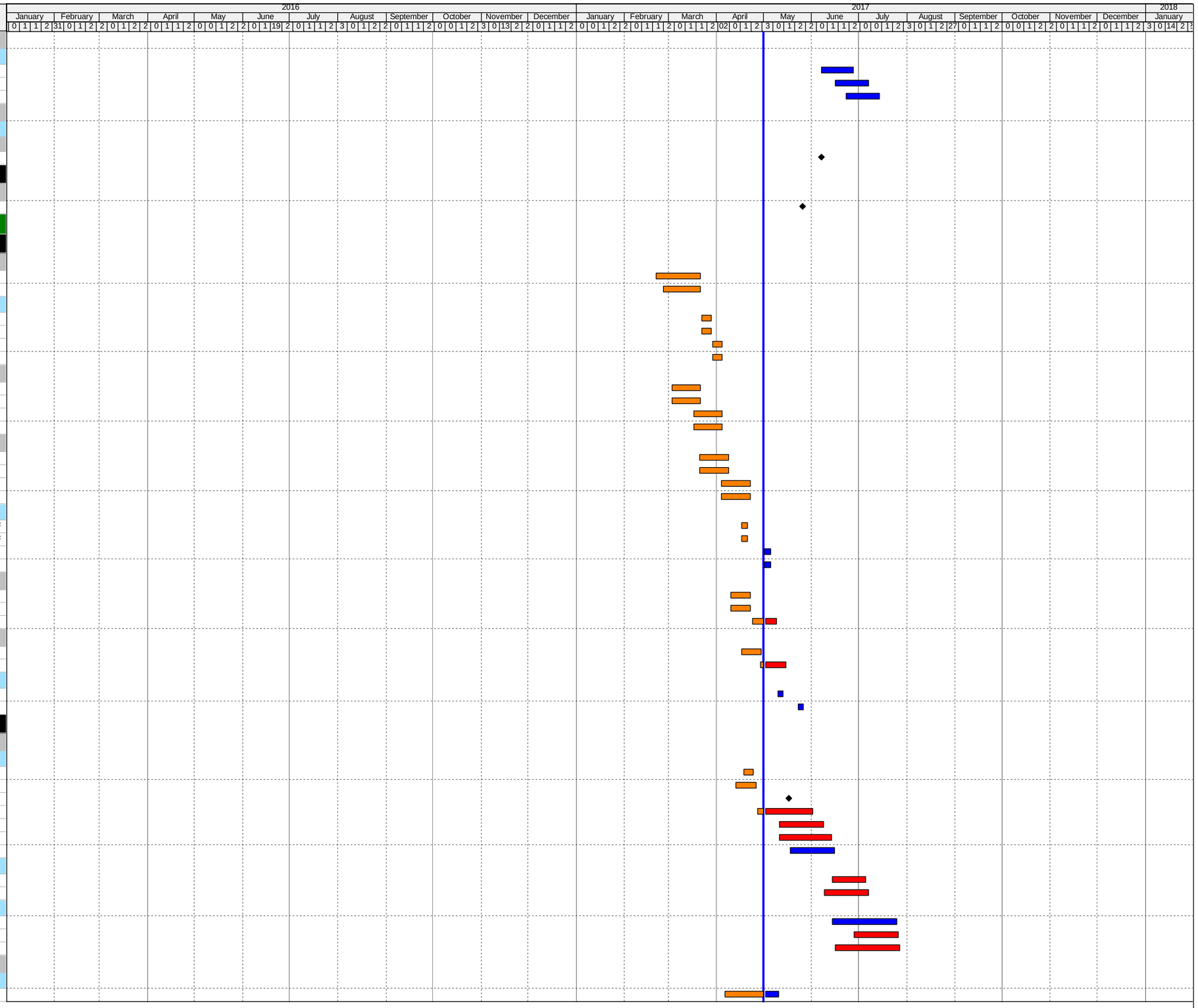


Remaining Level of Effort ◆ ◆ Milestone
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work

3 - Month Rolling Programme - RAB5

Date	Revision	Checked	Approved
01-May-17	Target Programme RAB5	SGJ	

Activity ID	Activity Name
External Finishes	
Facade	
RAB-44-0430	044 - Install External Louvers /Windows/Doors
RAB-44-0470	044 - External Render
RAB-44-0530	044 - External Painting
Specialist Installations	
Curtain Wall	
East	
RAB-44-6870	044 - Complete Formwork Stripping to Roof Level
Statutory Submissions & Approvals	
EMSD - Building 044 Lift Inspection	
RAB-FSD-200	044 - Submit EMSD Form 3 (Commencement of Lift Installation)
Building 045 - Highways Depot & Administration Bu	
Structure G/F to R/F	
1/F Slab	
RAB-45-0290	045 - Construct 1/F Suspended Slab at +12.15mPD Bay 6 (South), 1/F
RAB-45-0320	045 - Construct 1/F Suspended Slab at +12.15mPD Bay 5 (South), 1/F
Cure and Strip	
RAB-45-0230	045 - Cure and Strip False/Formwork +12.15mPD Bay 4 (Middle),G/F-:
RAB-45-0270	045 - Cure and Strip False/Formwork +12.15mPD Bay 3 (Middle),G/F-:
RAB-45-0310	045 - Cure and Strip False/Formwork +12.15mPD Bay 6 (South),G/F-1
RAB-45-0350	045 - Cure and Strip False/Formwork +12.15mPD Bay 5 (South),G/F-1
1/F to 2/F Walls & Columns	
RAB-45-1200	045 - Construct External Walls and Support Columns to +16.7mPD Bay
RAB-45-1190	045 - Construct External Walls and Support Columns to +16.7mPD Bay
RAB-45-0300	045 - Construct External Walls and Support Columns to +16.55mPD Ba
RAB-45-0420	045 - Construct External Walls and Support Columns to +16.55mPD Ba
2/F Slab	
RAB-45-0330	045 - Construct 2/F Suspended Slab +16.7mPD Bay 4 (Middle) (263m²
RAB-45-0380	045 - Construct 2/F Suspended Slab +16.7mPD Bay 3 (Middle) (263m²
RAB-45-0470	045 - Construct 2/F Suspended Slab +16.55mPD Bay 6 (South) (285m²
RAB-45-0520	045 - Construct 2/F Suspended Slab +16.55mPD Bay 5 (South) (285m²
Cure and Strip	
RAB-45-0430	045 - Cure and Strip False/Formwork +16.7mPD Bay 3 (Middle), 1/F-2F
RAB-45-0550	045 - Cure and Strip False/Formwork +16.7mPD Bay 4 (Middle), 1/F-2F
RAB-45-0370	045 - Cure and Strip False/Formwork +16.55mPD Bay 6 (South), 1/F-2
RAB-45-0510	045 - Cure and Strip False/Formwork +16.55mPD Bay 5 (South), 1/F-2
2/f to R/F Walls & Columns	
RAB-45-0610	045 - Construct External Walls to +20.65mPD Bay 3, 2/F-R/F
RAB-45-1110	045 - Construct SPR (37m³) and FS (36m³) RC Water Tanks (2/F Sout
RAB-45-1220	045 - Construct External Walls to +20.65mPD Bay 4, 2/F-R/F
Roof Level Slab	
RAB-45-0700	045 - Construct Roof Floor upto +20.65mPD Bay 3 (285m²) (approx 86
RAB-45-1230	045 - Construct Roof Floor upto +20.65mPD Bay 4 (285m²) (approx 86
Cure and Strip	
RAB-45-0750	045 - Cure and Strip False/Formwork +20.65mPD Bay 1, 2/F-R/F
RAB-45-1240	045 - Cure and Strip False/Formwork +20.65mPD Bay 2, 2/F-R/F
ABWF/E&M	
Ground Floor, South - G/F	
Degree 1, G/F	
RAB-45-0400	045 - C3, C6 & C8 Conduit Installation, G/F***
RAB-45-0410	045 - Concrete Surface Defect Rectification
RAB-45-0440	045 - Access for C3 Cabling Works, G/F***
RAB-45-0390	045 - Construct Blockwork Walls - G/F
RAB-45-9725	045 - MEP 1st Fix - G/F
RAB-45-9775	045 - Plastering & Undercoat - G/F
RAB-45-9765	045 - Screed - G/F
Degree 2, G/F	
RAB-45-9895	045 - Door & Windor Frame + Louver - G/F
RAB-45-9805	045 - MEP 2nd Fix - G/F
Degree 3, G/F	
RAB-45-9915	045 - Floor Finish (Paint & Tile) - G/F
RAB-45-9925	045 - Glazing - G/F
RAB-45-9935	045 - Wall Finish, Paint & Tile - G/F
First Floor, 1/F	
Degree 1, 1/F	
RAB-45-9965	045 - Construct Blockwork Walls - 1/F



Remaining Level of Effort ◆ ◆ Milestone
Actual Level of Effort
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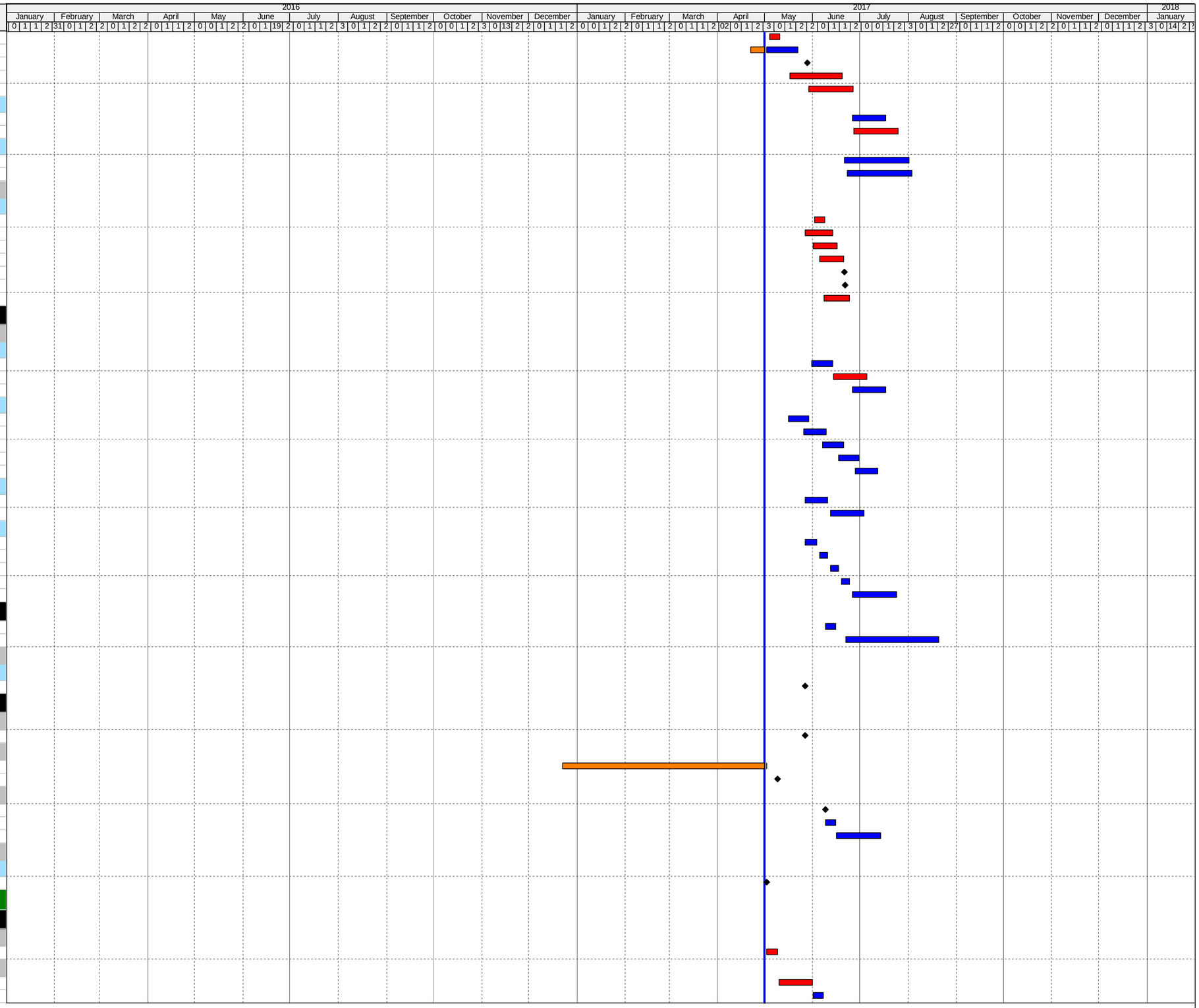
Remaining Work
Critical Remaining Work

3 - Month Rolling Programme - RAB5

Date	Revision	Checked	Approved
01-May-17	Target Programme RAB5	SGJ	

Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
RAB-45-9995	045 - C3, C6 & C8 Conduit Installation, 1/F***
RAB-45-9975	045 - Screed - 1/F
RAB-45-10045	045 - Access for C3 Cabling Works, 1/F***
RAB-45-9985	045 - Plastering & Undercoat - 1/F
RAB-45-9955	045 - MEP 1st Fix - 1/F
Degree 2, 1/F	
RAB-45-10105	045 - Door & Windor Frame + Louver - 1/F
RAB-45-10015	045 - MEP 2nd Fix - 1/F
Degree 3, 1/F	
RAB-45-10125	045 - Floor Finish (Paint & Tile) - 1/F
RAB-45-10145	045 - Wall Finish, Paint & Tile - 1/F
Second Floor, 2/F	
Degree 1, 2/F	
RAB-45-0830	045 - Access to C3, C6 & C8 Conduit Installation, 2/F***
RAB-45-0810	045 - Construct Blockwork Walls - 2/F
RAB-45-10185	045 - Screed - 2/F
RAB-45-10195	045 - Plastering & Undercoat - 2/F
RAB-45-0840	045 - Access for C3 Cabling Works, 2/F***
RAB-45-0900	045 - Projeted achievement of Stage 8A of the Works - 2/F
RAB-45-10165	045 - MEP 1st Fix - 2/F
External Finishes	
Bldg. External Finishes	
Facade	
RAB-45-0760	045 - Make good external surfaces
RAB-45-0620	045 - Install External Louvers /Windows/Doors
RAB-45-0630	045 - External Render
At Grade	
RAB-45-6580	045 - Prepare Sub Grade
RAB-45-6570	045 - Laying Geo Textile
RAB-45-6590	045 - Lay Granular Sub-Base
RAB-45-6600	045 - Laying Course
RAB-45-6560	045 - Concrete Block Paving
Roof Finishes -	
RAB-45-0820	045 - Leveling screed
RAB-45-0860	045 - Waterproof membrane
Green Roof - Noth Side, 2/F Level	
RAB-45-0600	045 - Leveling screed
RAB-45-0650	045 - Waterproof membrane
RAB-45-1210	045 - Insulation Board
RAB-45-0670	045 - Top Screed
RAB-45-0680	045 - Install green Roof Irrigation Systems
Specialist Installations	
RAB-45-1125	045 - Install Genset and swtich board G/F
RAB-45-0590	045 - Install Lift (1 nos)
Window Wall	
East	
RAB-45-6950	045 - Complete Formwork Stripping to Roof Level
Statutory Submissions & Approvals (Day 670 Completion)	
EMSD - Building 045 Lift Inspection	
RAB-FSD-230	045 - Submit EMSD Form 3 (Commencement of Lift Installation)
Fuel Tank - DG License	
RAB-FSD-660	045 - FSD Inspection & Approval
RAB-FSD-680	045 - FSD Issue License
Generator Set - EPD Permit	
RAB-EPD-0100	45 - DG Storage Drwg. Ready for Submission
RAB-EPD-0110	45 - Submnit to EPD
RAB-EPD-0120	45 - EPD Issue Permit
Water Supplies Department (WSD)	
Completion	
RAB-WSD-654	045 - Submit WWO 46 Pt. IV
Building 050 - Public Toilets Type 2	
Public Toilet (Portion H1)	
Raft	
RAB-50-1330	050 H1 - Ground Slab
Structure	
RAB-50-1060	050 H1 - Construct RC Walls & Columns (External and Internal)
RAB-50-4310	050 H1 - Construct RC Support Columns for Aluminium Solar Shade



Remaining Level of Effort ◆ ◆ Milestone
Actual Level of Effort
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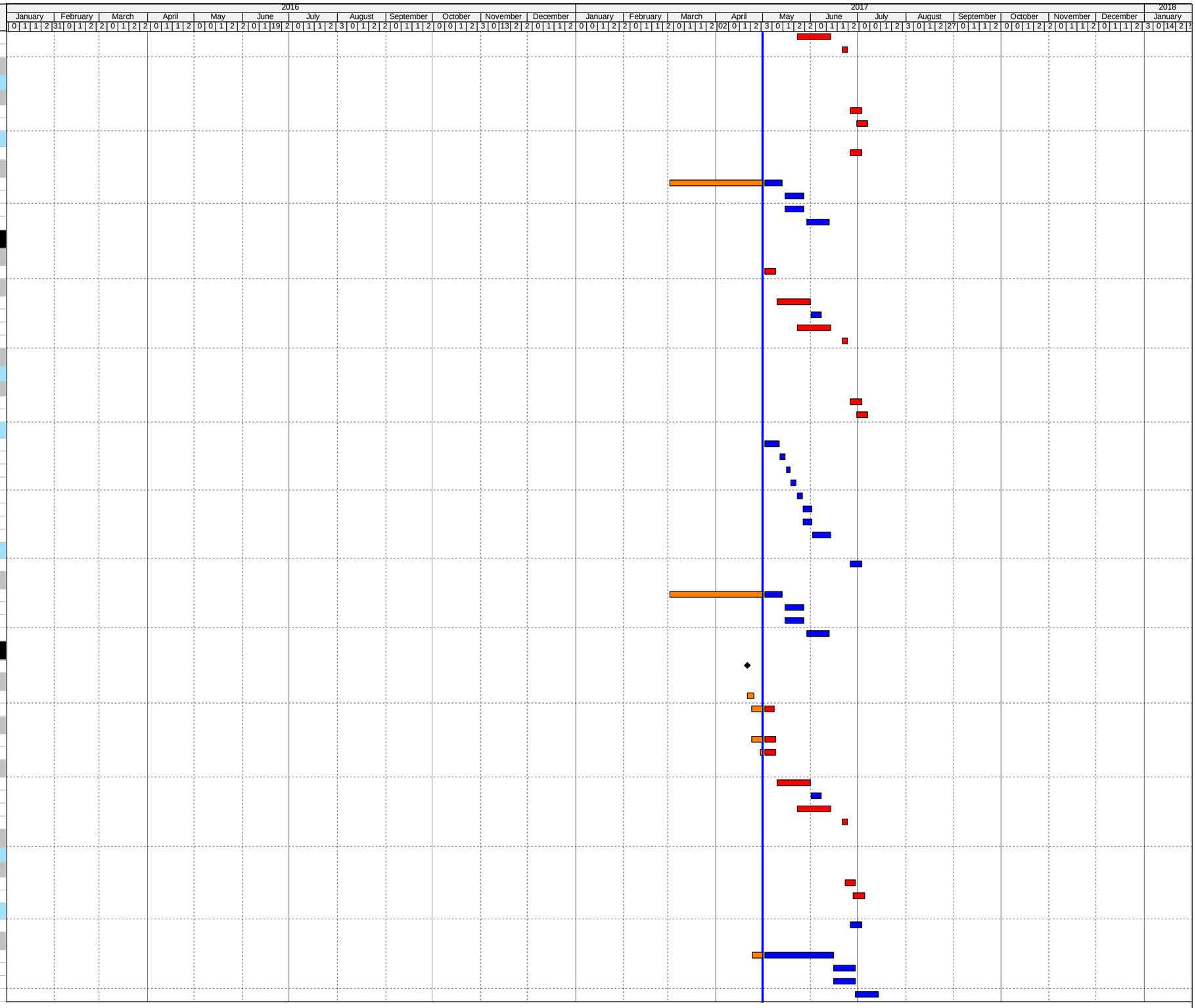
Remaining Work
Critical Remaining Work

3 - Month Rolling Programme - RAB5

Date	Revision	Checked	Approved
01-May-17	Target Programme RAB5	SGJ	

Activity ID	Activity Name
RAB-50-1070	050 H1 - Construct Roof Floor at +11.525mPD
RAB-50-1080	050 H1 - Cure and Strip False/Formwork
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-50-1110	050 H1 - Construct Blockwork Walls (126m²)
RAB-50-1320	050 H1 - Screeding
External Finishes	
RAB-50-1090	050 H1 - Erect External Scaffolding
Utilities and Drainage	
RAB-50-8015	050 H1 - Construct Permanent Drainage and Manholes (Approx 20m)
RAB-50-8035	050 H1 - Install Flushing Water Mains
RAB-50-8045	050 H1 - Install Fresh Water Mains
RAB-50-8025	050 H1 - Utiltites and Common Telecom Ducting
Public Toilet (Portion H2)	
Raft	
RAB-50-2320	050 H2 - Ground Slab
Structure	
RAB-50-2060	050 H2 - Construct RC Walls (External and Internal)
RAB-50-2070	050 H2 - Construct RC Support Columns for Aluminium Solar Shade
RAB-50-4330	050 H2 - Construct Roof Floor at +11.525mPD
RAB-50-2080	050 H2 - Cure and Strip False/Formwork
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-50-2110	050 H2 - Construct Blockwork Walls (126m²)
RAB-50-2310	050 H2 - Screeding
Roof Finishes	
RAB-50-2100	050 H2 - Install Skylights (8No)
RAB-50-2130	050 H2 - Leveling screed - 140m²
RAB-50-2140	050 H2 - Waterproof membrane - 140m²
RAB-50-2160	050 H2 - Top Screed - 140m²
RAB-50-2180	050 H2 - Install Roof Tiles - 140m²
RAB-50-2200	050 H2 - Install Railing - 49m
RAB-50-2210	050 H2 - Install Cat Ladder and Roof Access Hatch
RAB-50-4360	050 H2 - Install Aluminium Cladding
External Finishes	
RAB-50-2090	050 H2 - Erect External Scaffolding
Utilities and Drainage	
RAB-50-7895	050 H2 - Construct Permanent Drainage and Manholes (Approx 20m)
RAB-50-7915	050 H2 - Install Flushing Water Mains
RAB-50-7925	050 H2 - Install Fresh Water Mains
RAB-50-7905	050 H2 - Utiltites and Common Telecom Ducting
Public Toilet (Portion A1)	
RAB-50-3000	050 A1 - Possession of Portion A1 - If Exercised
Excavation	
RAB-50-3020	050 A1 - Open cut excavation down to formation level (370m³)
RAB-50-3030	050 A1 - Underground Utilties and Drainage
Raft	
RAB-50-3040	050 A1 - Construct Raft Foundation + Draft Wall
RAB-50-3050	050 A1 - Ground Slab
Structure	
RAB-50-3060	050 A1 - Construct RC Walls (External and Internal)
RAB-50-4340	050 A1 - Construct RC Support Columns for Aluminium Solar Shade
RAB-50-3070	050 A1 - Construct Roof Floor at +11.525mPD (140m²) (21m³)
RAB-50-3080	050 A1 - Cure and Strip False/Formwork
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-50-3110	050 A1 - Construct Blockwork Walls (126m²)
RAB-50-3320	050 A1 - Screeding
External Finishes	
RAB-50-3090	050 A1 - Erect External Scaffolding
Utilities and Drainage	
RAB-50-7935	050 A1 - Construct Permanent Drainage and Manholes (Approx 20m)
RAB-50-7955	050 A1 - Install Flushing Water Mains
RAB-50-7965	050 A1 - Install Fresh Water Mains
RAB-50-7945	050 A1 - Utiltites and Common Telecom Ducting



Remaining Level of Effort
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Actual Work
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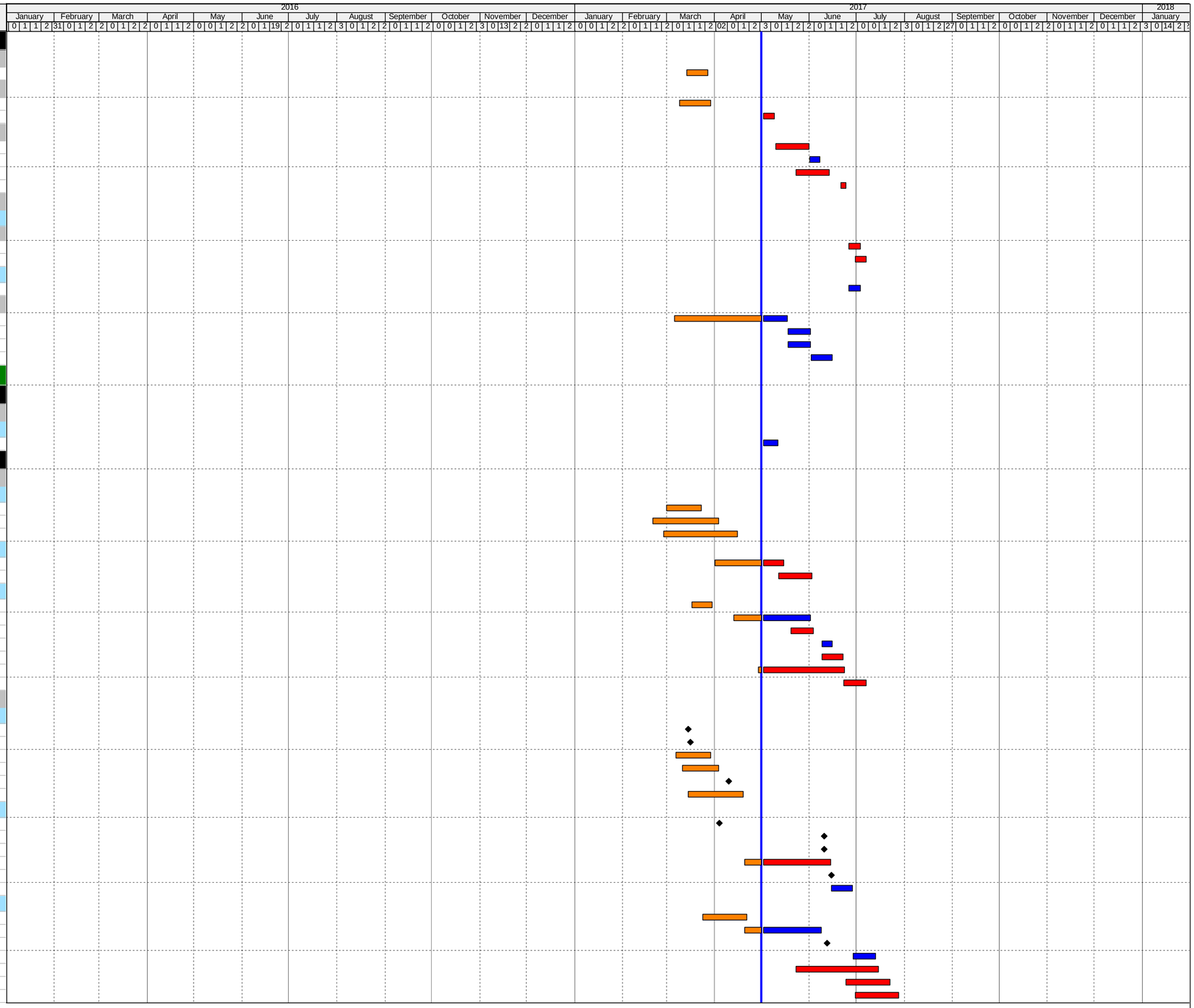
◆ Milestone

3 - Month Rolling Programme - RAB5

Date	Revision	Checked	Approved
01-May-17	Target Programme RAB5	SGJ	

Activity ID	Activity Name
Public Toilet (Portion A2)	
Excavation	
RAB-50-4030	050 A2 - Underground Utilties and Drainage
Raft	
RAB-50-4040	050 A2 - Construct Raft Foundation + Draft Wall
RAB-50-4050	050 A2 - Ground Slab
Structure	
RAB-50-4060	050 A2 - Construct RC Walls (External and Internal)
RAB-50-4350	050 A2 - Construct RC Support Columns for Aluminium Solar Shade
RAB-50-4070	050 A2 - Construct Roof Floor at +11.525mPD (140m²) (21m³)
RAB-50-4080	050 A2 - Cure and Strip False/Formwork
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-50-4110	050 A2 - Construct Blockwork Walls (126m²)
RAB-50-4400	050 A2 - Screeding
External Finishes	
RAB-50-4090	050 A2 - Erect External Scaffolding
Utilities and Drainage	
RAB-50-7975	050 A2 - Construct Permanent Drainage and Manholes (Approx 20m)
RAB-50-7995	050 A2 - Install Flushing Water Mains
RAB-50-8005	050 A2 - Install Fresh Water Mains
RAB-50-7985	050 A2 - Utilitites and Common Telecom Ducting
Building 053 - Outbound X-Ray Building	
Structure	
First Floor	
Slabs	
RAB-53-1130	053 - Install SPR and FS Glass Reinforced Polyester Water Tanks(Sou
ABWF/E&M	
Ground Floor	
Degree 1 - G/F	
RAB-53-0630	53 - Screeding, G/F
RAB-53-0590	053 - Plastering & Undercoat, G/F
RAB-53-0400	053 - MEP 1st Fix, G/F
Degree 2 - G/F	
RAB-53-7935	053 - MEP 2nd Fix, G/F
RAB-53-7895	053 - Frame for Wall Panel & Cladding, G/F
Degree 3 - G/F	
RAB-53-0680	053 - Ceiling Paint, Final Coat, G/F
RAB-53-0660	053 - Wall Tiling & Wall Painting Final Coat (2), G/F
RAB-53-8135	053 - Ceiling Plaster Board Sub-Frame, G/F
RAB-53-0690	053 - Raised Floor System, G/F
RAB-53-0710	053 - Door Panel & Ironmongery, G/F
RAB-53-0730	053 - MEP Final Fix, G/F
RAB-53-0700	053 - Glazing, G/F
First Floor	
Degree 1 - 1/F	
RAB-53-0720	053 - Access to C3 Cable Containment & C7 Cabling Works***
RAB-53-7975	053 - Projected Achievement of Stage 1A, 1/F
RAB-53-8025	53 - Screeding, 1/F
RAB-53-7965	053 - Plastering & Undercoat, 1/F
RAB-53-0740	053 - Access to C3 Cabling Works***
RAB-53-7955	053 - MEP 1st Fix, 1/F
Degree 2 - 1/F	
RAB-53-8175	053 - Access to C7 equipment Installatrion***
RAB-53-8045	053 - Projected Achievement of Stage 1B
RAB-53-8005	053 - Access to C3 equipment Installatrion***
RAB-53-8035	053 - MEP 2nd Fix, 1/F
RAB-53-8065	053 - Power On, 1/F
RAB-53-8015	053 - Frame for Wall Panel & Cladding, 1/F
Degree 3 - 1/F	
RAB-53-8055	053 - Ceiling Paint, Final Coat, 1/F
RAB-53-8155	053 - Wall Tiling & Wall Painting Final Coat (2), 1/F
RAB-53-8185	053 - Early handover to Enbd Users***
RAB-53-8085	053 - Door Panel & Ironmongery, 1/F
RAB-53-8105	053 - MEP Final Fix, 1/F
RAB-53-7985	053 - Ceiling Plaster Board Sub-Frame, 1/F
RAB-53-8075	053 - Glazing, 1/F



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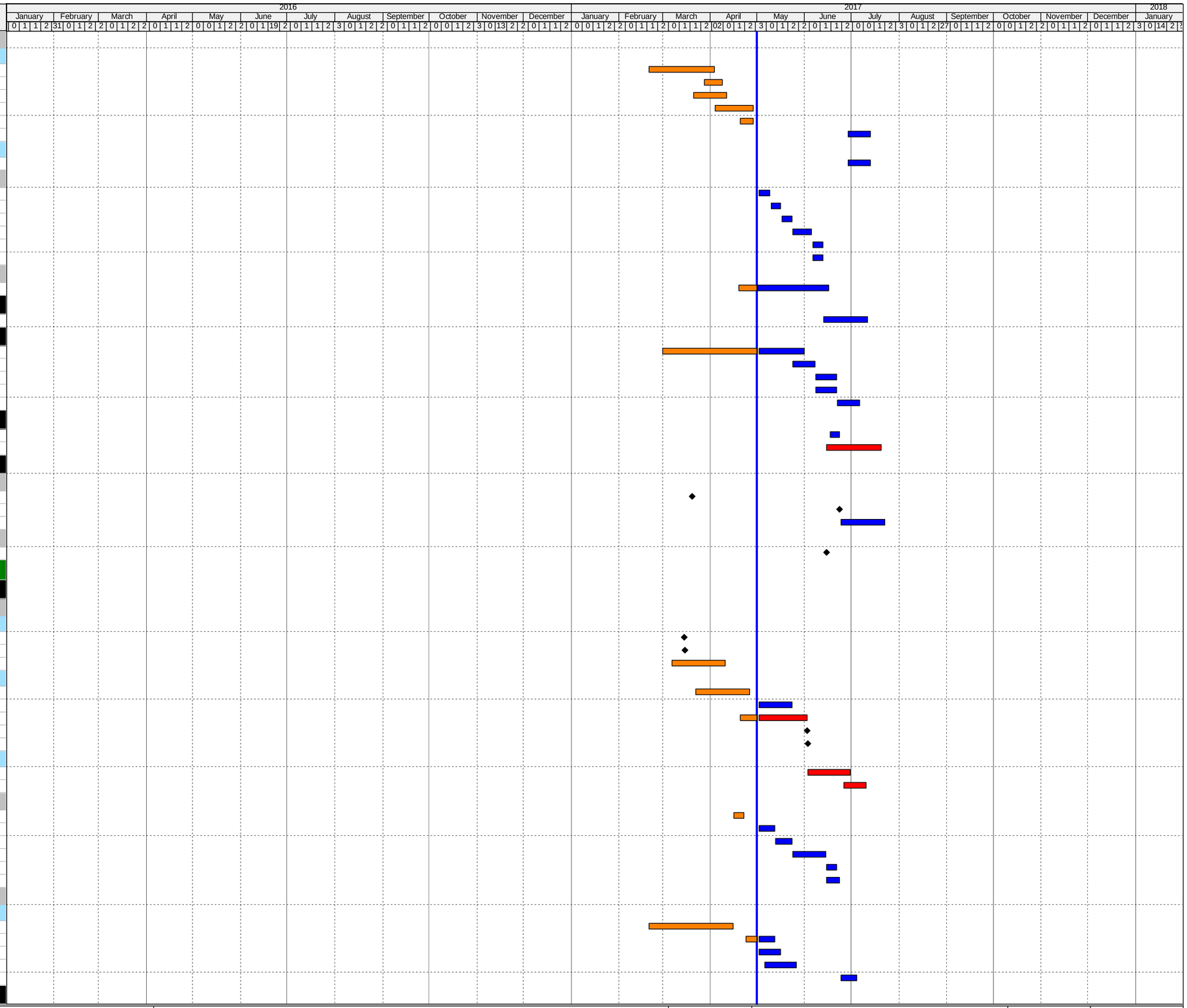
3 - Month Rolling Programme - RAB5

Date	Revision	Checked	Approved
01-May-17	Target Programme RAB5	SGJ	

Activity ID	Activity Name
External Finishes	
External Facade	
RAB-53-0450	053 - External Render
RAB-53-0470	053 - External Tiling
RAB-53-0440	053 - Install External Louvers /Windows/Doors
RAB-53-0500	053 - External Painting
RAB-53-0570	053 - Dismantle Scaffolding
RAB-53-0640	053 - Make good external surfaces
At Grade	
RAB-53-7615	053 - Prepare Sub Grade
Roof Finishes	
RAB-53-0460	053 - Waterproof Membrane - (490m²)
RAB-53-670	053 - Insulation Board - (490m²)
RAB-53-0490	053 - Top Screed - (490m²)
RAB-53-0520	053 - Install Roof Tiles - (490m²)
RAB-53-0530	053 - Install Railing - 105m
RAB-53-0540	053 - Install Cat Ladder and Roof Hatch
Spacialist Installations	
RAB-53-0600	053 - Install Lift (1 nos)
Glazed Canopy	
RAB-53-0620	053 - Construct high level Canopy at +9.95mPD
Utilities and Drainage	
RAB-53-7595	053 - Construct Permanent Drainage and Manholes (Approx 135m)
RAB-53-7655	053 - Install FS Water Main
RAB-53-7610	053 - Install Flushing Water Mains
RAB-53-7620	053 - Install Fresh Water Mains
RAB-53-7605	053 - Utiltites and Common Telecom Ducting
Testing & Commissioning	
RAB-TC53-1050	053 - T&C, Lift
RAB-TC53-1040	053 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 470 Completion)	
EMSD - Building 053 Lift Inspection	
RAB-FSD-140	053 - Submit EMSD Form 3 (Commencement of Lift Installation)
RAB-FSD-150	053 - Submit EMSD Form 5 (Completion of Lift Installation)
RAB-FSD-160	053 - EMSD Lift Inspection
VAC	
RAB-FSD-1140	053 - Submit Form 314
Building 058 - Outbound X-Ray Scan Tunnel	
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-58-0580	058 - Access to C7 Rail Installation***
RAB-KD1A10	KD1A - Projected achievement of Stage 1A of the Works Building 058
RAB-58-0590	058 - MEP 1st Fix, Wall Secton
Degree 2	
RAB-58-0690	058 - Wall Finish (BOH)
RAB-58-0680	058 - Install Louver & Door Frame (Door Frame by other)
RAB-58-0630	058 - MEP 2nd Fix
RAB-KD1B10	KD1B - Projected achievement of Stage 1B of the Works Building 058
RAB-58-0640	058 - Power On
Degree 3	
RAB-58-0650	058 - MEP Final Fix
RAB-58-0700	058 - Floor Finish (Epoxy Paint)
Roof Finishes	
RAB-58-0450	058 - Waterproof membrane - 885m²
RAB-58-660	058 - insulation Board - 885m²
RAB-58-0480	058 - Top Screed - 885m²
RAB-58-0510	058 - Install Roof Tiles - 885m²
RAB-58-0530	058 - Install Cat Ladder and Roof Hatch
RAB-58-0540	058 - Install Railing - 152m
External Finishes	
Facade	
RAB-58-0420	058 - External Render (630m²) (From Bldg 059)
RAB-58-0440	058 - External Tiling (630m²)
RAB-58-0400	058 - Install External Louvers /Windows/Doors
RAB-58-0470	058 - External Painting
RAB-58-0560	058 - Dismantle Scaffolding
Utilities and Drainage	



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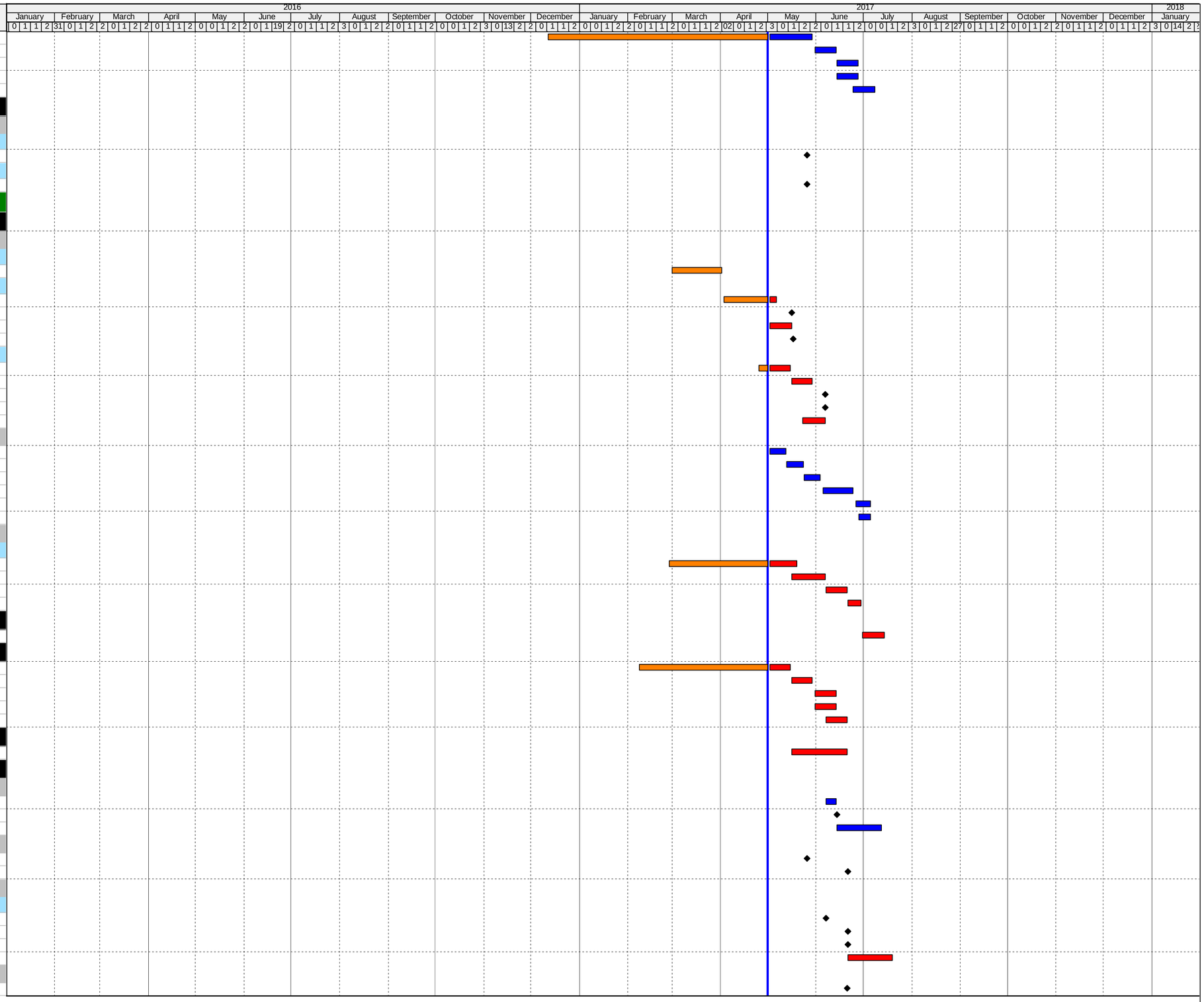
3 - Month Rolling Programme - RAB5

Date	Revision	Checked	Approved
01-May-17	Target Programme RAB5	SGJ	

Activity ID	Activity Name
RAB-58-7550	058 - Construct Permanent Drainage and Manholes (Approx 100m)
RAB-58-7590	058 - Install FS Water main
RAB-58-7570	058 - Install Flushing Water Mains
RAB-58-7580	058 - Install Fresh Water Mains
RAB-58-7560	058 - Utiltites and Common Telecom Ducting
Statutory Submissions & Approvals (Day 470 Completion)	
VAC (FSD)	
Commencement	
RAB-FSD-0280	058 - Submit Form 314
Completion	
RAB-FSD-370	058 - Submit Form 046 Part IV
Building 059 - Inbound X-Ray Scan Tunnel	
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-59-0530	059 - MEP 1st Fix, Wall Secton
Degree 2	
RAB-59-0630	059 - MEP 2nd Fix
RAB-KD2B10	KD2B - Projected achievement of Stage 2B of the Works
RAB-59-0680	059 - Install Louver & Door Frame (Door Frame by other)
RAB-59-0640	059 - Power On
Degree 3	
RAB-59-0660	059 - MEP Final Fix
RAB-59-0700	059 - Floor Finish (Epoxy Paint)
RAB-KD2C10	KD2C - Projected achievement of Stage 2C of the Works
RAB-59-7550	059 - End Users and MoM handover inspection
RAB-59-7560	059 - Snagging and Remedials
Roof Finishes	
RAB-59-0490	059 - Waterproof Membrane - 885m²
RAB-59-670	059 - Insulation Board - 885m²
RAB-59-0510	059 - Top Screed - 885m²
RAB-59-0540	059 - Install Roof Tiles - 885m²
RAB-59-0560	059 - Install Railing - 152m
RAB-59-0550	059 - Install Cat Ladder and Roof Hatch
External Finishes	
Facade	
RAB-59-0430	059 - External Render (630m²)
RAB-59-0480	059 - External Painting
RAB-59-0450	059 - External Tiling (630m²)
RAB-59-0590	059 - Dismantle Scaffolding
Glazed Canopy	
RAB-59-0610	059 - Construct high level glazed canopy at +13.406mPD North
Utilities and Drainage	
RAB-59-7330	059 - Construct Permanent Drainage and Manholes (Approx 100m)
RAB-59-7370	059 - Install FS Water Main
RAB-59-7350	059 - Install Flushing Water Mains
RAB-59-7360	059 - Install Fresh Water Mains
RAB-59-7340	059 - Utiltites and Common Telecom Ducting
Testing & Commissioning	
RAB-TC59-1000	059 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 470 Completion)	
BBEO	
RAB-BEE-480	059 - IRegistered Energy Assessor Inspection & Certification
RAB-BEE-490	059 - ISubmit REA Certification to EDMS
RAB-BEE-500	059 - IEDMS Issue of Cert of Compliance Registration (COCR)
VAC	
RAB-FSD-550	059 - Submit Form 314
RAB-FSD-560	059 - Submit Form 501
Fire Services Department (FSD)	
Completion	
RAB-FSD-530	059 - Submit Form WWO 46 Part IV
RAB-FSD-470	059 - Submit Form 501 to FSD for FS Inspection For Building 059
RAB-FSD-540	059 - Submit Form WWO 46 Part V
RAB-FSD-480	059 - FSD Inspection Period For Building 059
Engineer (AECOM)	
RAB-59-7520	059 - Submit Building 059 As Built Drawings to Engineer

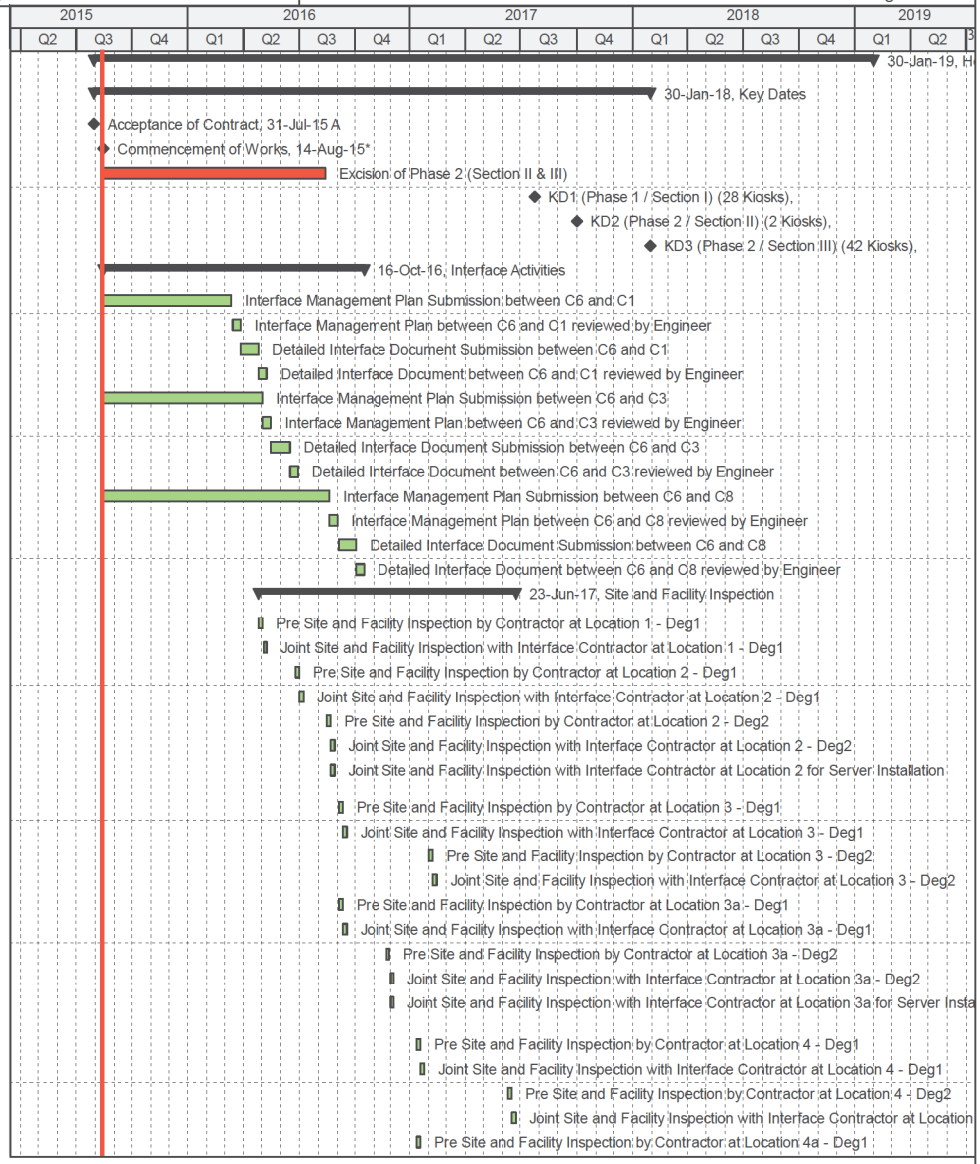


Remaining Level of Effort ◆ ◆ Milestone
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work

3 - Month Rolling Programme - RAB5

Date	Revision	Checked	Approved
01-May-17	Target Programme RAB5	SGJ	

Activity ID	Activity Name
Hong Kong-Zhuhai_Macao Bridge Hong Kong Boundary Crossir	
Key Dates	
A1000	Acceptance of Contract
A1010	Commencement of Works
A1020	Excision of Phase 2 (Section II & III)
A1120	KD1 (Phase 1 / Section I) (28 Kiosks)
A1470	KD2 (Phase 2 / Section II) (2 Kiosks)
A1480	KD3 (Phase 2 / Section III) (42 Kiosks)
Interface Activities	
A6860	Interface Management Plan Submission between C6 and C1
A6865	Interface Management Plan between C6 and C1 reviewed by Engineer
A6870	Detailed Interface Document Submission between C6 and C1
A6875	Detailed Interface Document between C6 and C1 reviewed by Engineer
A6880	Interface Management Plan Submission between C6 and C3
A6885	Interface Management Plan between C6 and C3 reviewed by Engineer
A6890	Detailed Interface Document Submission between C6 and C3
A6895	Detailed Interface Document between C6 and C3 reviewed by Engineer
A6900	Interface Management Plan Submission between C6 and C8
A6905	Interface Management Plan between C6 and C8 reviewed by Engineer
A6910	Detailed Interface Document Submission between C6 and C8
A6915	Detailed Interface Document between C6 and C8 reviewed by Engineer
Site and Facility Inspection	
A4730	Pre Site and Facility Inspection by Contractor at Location 1 - Deg1
A4740	Joint Site and Facility Inspection with Interface Contractor at Location 1 - Deg1
A4760	Pre Site and Facility Inspection by Contractor at Location 2 - Deg1
A4770	Joint Site and Facility Inspection with Interface Contractor at Location 2 - Deg1
A4772	Pre Site and Facility Inspection by Contractor at Location 2 - Deg2
A4774	Joint Site and Facility Inspection with Interface Contractor at Location 2 - Deg2
A4775	Joint Site and Facility Inspection with Interface Contractor at Location 2 for Server Installation
A4780	Pre Site and Facility Inspection by Contractor at Location 3 - Deg1
A4790	Joint Site and Facility Inspection with Interface Contractor at Location 3 - Deg1
A4800	Pre Site and Facility Inspection by Contractor at Location 3 - Deg2
A4810	Joint Site and Facility Inspection with Interface Contractor at Location 3 - Deg2
A4820	Pre Site and Facility Inspection by Contractor at Location 3a - Deg1
A4830	Joint Site and Facility Inspection with Interface Contractor at Location 3a - Deg1
A4840	Pre Site and Facility Inspection by Contractor at Location 3a - Deg2
A4850	Joint Site and Facility Inspection with Interface Contractor at Location 3a - Deg2
A4851	Joint Site and Facility Inspection with Interface Contractor at Location 3a for Server Installation
A4860	Pre Site and Facility Inspection by Contractor at Location 4 - Deg1
A4870	Joint Site and Facility Inspection with Interface Contractor at Location 4 - Deg1
A4880	Pre Site and Facility Inspection by Contractor at Location 4 - Deg2
A4890	Joint Site and Facility Inspection with Interface Contractor at Location 4 - Deg2
A4891	Pre Site and Facility Inspection by Contractor at Location 4a - Deg1



Programme No.: HZMB-DWP
Data Date: 14-Aug-15

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- Critical Remaining Work
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- summary

Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)

ATAL

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC

Activity ID	Activity Name
A4892	Joint Site and Facility Inspection with Interface Contractor at Location 4a - Deg1
A4900	Pre Site and Facility Inspection by Contractor at Location 4a - Deg2
A4910	Joint Site and Facility Inspection with Interface Contractor at Location 4a - Deg2
A4920	Pre Site and Facility Inspection by Contractor at Location 5 - Deg1
A4930	Joint Site and Facility Inspection with Interface Contractor at Location 5 - Deg1
A4940	Pre Site and Facility Inspection by Contractor at Location 5 - Deg2
A4950	Joint Site and Facility Inspection with Interface Contractor at Location 5 - Deg2
A4960	Pre Site and Facility Inspection by Contractor at Location 6 - Deg1
A4970	Joint Site and Facility Inspection with Interface Contractor at Location 6 - Deg1
A4980	Pre Site and Facility Inspection by Contractor at Location 6 - Deg2
A4990	Joint Site and Facility Inspection with Interface Contractor at Location 6 - Deg2
A5000	Pre Site and Facility Inspection by Contractor at Location 7 - Deg1
A5010	Joint Site and Facility Inspection with Interface Contractor at Location 7 - Deg1
A5020	Pre Site and Facility Inspection by Contractor at Location 8 - Deg1
A5030	Joint Site and Facility Inspection with Interface Contractor at Location 8 - Deg1
A5040	Pre Site and Facility Inspection by Contractor at Location 8 - Deg2
A5050	Joint Site and Facility Inspection with Interface Contractor at Location 8 - Deg2
A5060	Pre Site and Facility Inspection by Contractor at Location 9 - Deg1
A5070	Joint Site and Facility Inspection with Interface Contractor at Location 9 - Deg1
A5080	Pre Site and Facility Inspection by Contractor at Location 9 - Deg2
A5090	Joint Site and Facility Inspection with Interface Contractor at Location 9 - Deg2
A5100	Pre Site and Facility Inspection by Contractor at Location 10 - Deg1
A5110	Joint Site and Facility Inspection with Interface Contractor at Location 10 - Deg1
A5120	Pre Site and Facility Inspection by Contractor at Location 10 - Deg2
A5130	Joint Site and Facility Inspection with Interface Contractor at Location 10 - Deg2
A5140	Pre Site and Facility Inspection by Contractor at Location 11 - Deg1
A5150	Joint Site and Facility Inspection with Interface Contractor at Location 11 - Deg1
A5160	Pre Site and Facility Inspection by Contractor at Location 11 - Deg2
A5170	Joint Site and Facility Inspection with Interface Contractor at Location 11 - Deg2
A5180	Pre Site and Facility Inspection by Contractor at Location 12 - Deg1
A5190	Joint Site and Facility Inspection with Interface Contractor at Location 12 - Deg1
A5200	Pre Site and Facility Inspection by Contractor at Location 12 - Deg2
A5210	Joint Site and Facility Inspection with Interface Contractor at Location 12 - Deg2
A5220	Pre Site and Facility Inspection by Contractor at Location 13 - Deg1
A5230	Joint Site and Facility Inspection with Interface Contractor at Location 13 - Deg1
A5240	Pre Site and Facility Inspection by Contractor at Location 13 - Deg2
A5250	Joint Site and Facility Inspection with Interface Contractor at Location 13 - Deg2
A5260	Pre Site and Facility Inspection by Contractor at Location 14 - Deg1
A5270	Joint Site and Facility Inspection with Interface Contractor at Location 14 - Deg1
A5300	Pre Site and Facility Inspection by Contractor at Location 15 - Deg1
A5310	Joint Site and Facility Inspection with Interface Contractor at Location 15 - Deg1
A5320	Pre Site and Facility Inspection by Contractor at Location 15 - Deg2
A5330	Joint Site and Facility Inspection with Interface Contractor at Location 15 - Deg2
A5340	Pre Site and Facility Inspection by Contractor at Location 16 - Deg1
A5350	Joint Site and Facility Inspection with Interface Contractor at Location 16 - Deg1

Programme No.: HZMB-DWP
Data Date: 14-Aug-15

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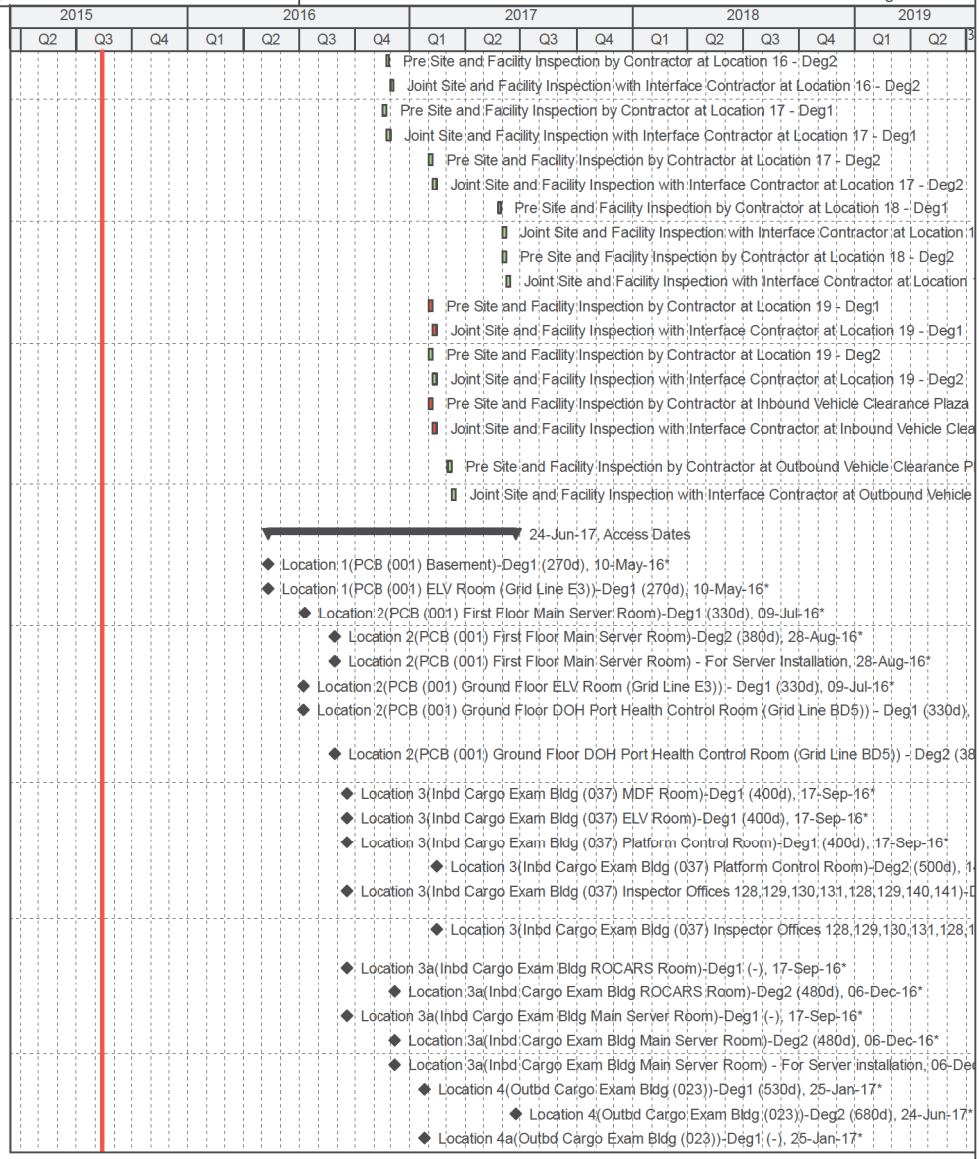
Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)

ATAL

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC

Activity ID	Activity Name
A5360	Pre Site and Facility Inspection by Contractor at Location 16 - Deg2
A5370	Joint Site and Facility Inspection with Interface Contractor at Location 16 - Deg2
A5375	Pre Site and Facility Inspection by Contractor at Location 17 - Deg1
A5378	Joint Site and Facility Inspection with Interface Contractor at Location 17 - Deg1
A5380	Pre Site and Facility Inspection by Contractor at Location 17 - Deg2
A5390	Joint Site and Facility Inspection with Interface Contractor at Location 17 - Deg2
A5395	Pre Site and Facility Inspection by Contractor at Location 18 - Deg1
A5396	Joint Site and Facility Inspection with Interface Contractor at Location 18 - Deg1
A5400	Pre Site and Facility Inspection by Contractor at Location 18 - Deg2
A5410	Joint Site and Facility Inspection with Interface Contractor at Location 18 - Deg2
A5420	Pre Site and Facility Inspection by Contractor at Location 19 - Deg1
A5430	Joint Site and Facility Inspection with Interface Contractor at Location 19 - Deg1
A5440	Pre Site and Facility Inspection by Contractor at Location 19 - Deg2
A5450	Joint Site and Facility Inspection with Interface Contractor at Location 19 - Deg2
A5470	Pre Site and Facility Inspection by Contractor at Inbound Vehicle Clearance Plaza
A5480	Joint Site and Facility Inspection with Interface Contractor at Inbound Vehicle Clearance Plaza
A5490	Pre Site and Facility Inspection by Contractor at Outbound Vehicle Clearance Plaza
A5550	Joint Site and Facility Inspection with Interface Contractor at Outbound Vehicle Clearance Plaza
Access Dates	
A1070	Location 1(PCB (001) Basement)-Deg1 (270d)
A1081	Location 1(PCB (001) ELV Room (Grid Line E3))-Deg1 (270d)
A1090	Location 2(PCB (001) First Floor Main Server Room)-Deg1 (330d)
A1100	Location 2(PCB (001) First Floor Main Server Room)-Deg2 (380d)
A1101	Location 2(PCB (001) First Floor Main Server Room) - For Server Installation
A1102	Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3)) - Deg1 (330d)
A1103	Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) - Deg1 (330d)
A1104	Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) - Deg2 (380d)
A1110	Location 3(Inbd Cargo Exam Bldg (037) MDF Room)-Deg1 (400d)
A1112	Location 3(Inbd Cargo Exam Bldg (037) ELV Room)-Deg1 (400d)
A1114	Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)-Deg1 (400d)
A1115	Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)-Deg2 (500d)
A1116	Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,129,140,141)-Deg1 (400d)
A1117	Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,129,140,141)-Deg2 (500d)
A1130	Location 3a(Inbd Cargo Exam Bldg ROCARS Room)-Deg1 (-)
A1131	Location 3a(Inbd Cargo Exam Bldg ROCARS Room)-Deg2 (480d)
A1140	Location 3a(Inbd Cargo Exam Bldg Main Server Room)-Deg1 (-)
A1141	Location 3a(Inbd Cargo Exam Bldg Main Server Room)-Deg2 (480d)
A1142	Location 3a(Inbd Cargo Exam Bldg Main Server Room) - For Server installation
A1150	Location 4(Outbd Cargo Exam Bldg (023))-Deg1 (530d)
A1160	Location 4(Outbd Cargo Exam Bldg (023))-Deg2 (680d)
A1161	Location 4a(Outbd Cargo Exam Bldg (023))-Deg1 (-)



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Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)

ATAL

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC

Activity ID	Activity Name
A1162	Location 4a(Outbd Cargo Exam Bldg (023))-Deg2 (630d)
A1170	Location 5(Common Utility Enclosure & Staff Subway)-Deg1 (320d)
A1180	Location 5(Common Utility Enclosure & Staff Subway)-Deg2 (-)
A1190	Location 6(Common Utility Enclosure & Staff Subway)-Deg1 (400d)
A1200	Location 6(Common Utility Enclosure & Staff Subway)-Deg2 (-)
A1210	Location 7(Common Utility Enclosure & Staff Subway)-Deg1 (270d)
A1230	Location 8(Inbd Private Car Annex (025))-Deg1 (430d)
A1240	Location 8(Inbd Private Car Annex (025))-Deg2 (580d)
A1241	Location 8(Inbd Private Car Annex (025) Canopy)-Deg1 (430d)
A1242	Location 8(Inbd Private Car Annex (025) Canopy)-Deg2 (580d)
A1250	Location 9(Outbd Private Car Annex (032))-Deg1 (520d)
A1260	Location 9(Outbd Private Car Annex (032))-Deg2 (660d)
A1261	Location 9(Outbd Private Car Annex (032) Canopy)-Deg1 (520d)
A1262	Location 9(Outbd Private Car Annex (032) Canopy)-Deg2 (660d)
A1270	Location 10(Shuttle Bus Kiosks (006))-Deg1 (480d)
A1280	Location 10(Shuttle Bus Kiosks (006))-Deg2 (550d)
A1281	Location 10(Shuttle Bus Kiosks (006) Canopy)-Deg1 (480d)
A1282	Location 10(Shuttle Bus Kiosks (006) Canopy)-Deg2 (550d)
A1290	Location 11(Outbd Coach Kiosks (009))-Deg1 (400d)
A1300	Location 11(Outbd Coach Kiosks (009))-Deg2 (480d)
A1301	Location 11(Outbd Coach Kiosks (009) Canopy)-Deg1 (400d)
A1302	Location 11(Outbd Coach Kiosks (009) Canopy)-Deg2 (480d)
A1303	Location 11(Inbd Coach Kiosks (010))-Deg1 (400d)
A1304	Location 11(Inbd Coach Kiosks (010))-Deg2 (480d)
A1305	Location 11(Inbd Coach Kiosks (010) Canopy)-Deg1 (400d)
A1306	Location 11(Inbd Coach Kiosks (010) Canopy)-Deg2 (480d)
A1310	Location 12(Inbd Private Car Kiosks(027))-Deg1 (400d)
A1311	Location 12(Inbd Private Car Kiosks(027))-Deg2 (480d)
A1312	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg1 (400d)
A1313	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg2 (480d)
A1314	Location 12(Inbd GV Kiosks (028))-Deg1 (400d)
A1315	Location 12(Inbd GV Kiosks (028))-Deg2 (480d)
A1316	Location 12(Inbd GV Kiosks (028) Canopy)-Deg1 (400d)
A1317	Location 12(Inbd GV Kiosks (028) Canopy)-Deg2 (480d)
A1318	Location 12(Outbd GV Kiosks (029))-Deg1 (400d)
A1319	Location 12(Outbd GV Kiosks (029))-Deg2 (480d)
A1320	Location 12(Outbd GV Kiosks (029) Canopy)-Deg1 (400d)
A1321	Location 12(Outbd GV Kiosks (029) Canopy)-Deg2 (480d)
A1330	Location 13(Outbd Private Car Kiosks (030))-Deg1 (480d)
A1340	Location 13(Outbd Private Car Kiosks (030))-Deg2 (550d)
A1341	Location 13(Outbd Private Car Kiosks (030) Canopy)-Deg1 (480d)
A1342	Location 13(Outbd Private Car Kiosks (030) Canopy)-Deg2 (550d)
A1350	Location 14(Future-Outbd/Inbd Private Car Kiosks)-Deg1 (610d)
A1370	Location 15(Inbd Traffic Control Kiosk (100))-Deg1 (400d)
A1380	Location 15(Inbd Traffic Control Kiosk (100))-Deg2 (480d)

Programme No.: HZMB-DWP
Data Date: 14-Aug-15

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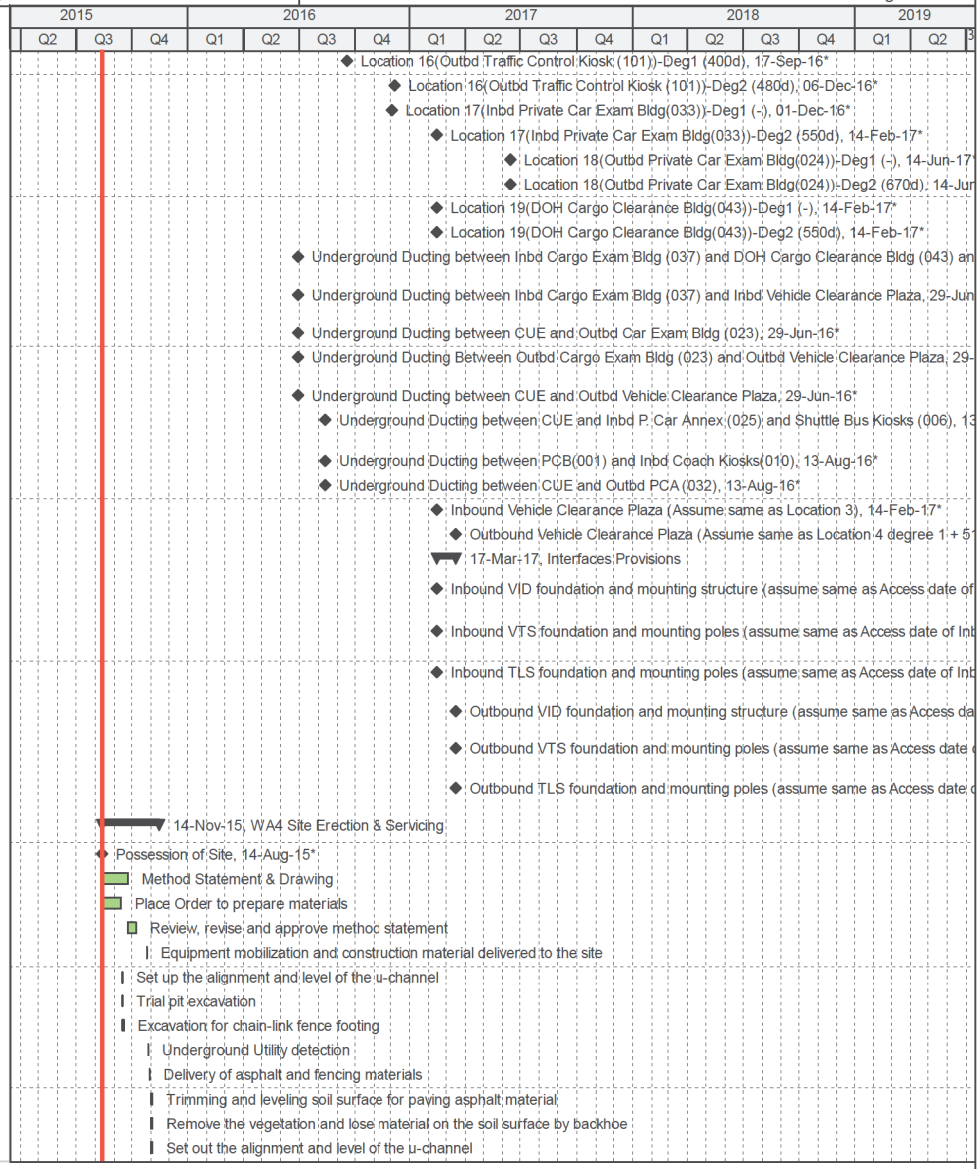
Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)

ATAL

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC

Activity ID	Activity Name
A1390	Location 16(Outbd Traffic Control Kiosk (101))-Deg1 (400d)
A1400	Location 16(Outbd Traffic Control Kiosk (101))-Deg2 (480d)
A1410	Location 17(Inbd Private Car Exam Bldg(033))-Deg1 (-)
A1420	Location 17(Inbd Private Car Exam Bldg(033))-Deg2 (550d)
A1430	Location 18(Outbd Private Car Exam Bldg(024))-Deg1 (-)
A1440	Location 18(Outbd Private Car Exam Bldg(024))-Deg2 (670d)
A1450	Location 19(DOH Cargo Clearance Bldg(043))-Deg1 (-)
A1460	Location 19(DOH Cargo Clearance Bldg(043))-Deg2 (550d)
A1461	Underground Ducting between Inbd Cargo Exam Bldg (037) and DOH Cargo Clearance Bldg (043) and CUE
A1462	Underground Ducting between Inbd Cargo Exam Bldg (037) and Inbd Vehicle Clearance Plaza
A1463	Underground Ducting between CUE and Outbd Car Exam Bldg (023)
A1464	Underground Ducting Between Outbd Cargo Exam Bldg (023) and Outbd Vehicle Clearance Plaza
A1465	Underground Ducting between CUE and Outbd Vehicle Clearance Plaza
A1466	Underground Ducting between CUE and Inbd P. Car Annex (025) and Shuttle Bus Kiosks (006)
A1467	Underground Ducting between PCB(001) and Inbd Coach Kiosks(010)
A1468	Underground Ducting between CUE and Outbd PCA (032)
A1478	Inbound Vehicle Clearance Plaza (Assume same as Location 3)
A1488	Outbound Vehicle Clearance Plaza (Assume same as Location 4 degree 1 + 51 day:
Interfaces Provisions	
A7000	Inbound VID foundation and mounting structure (assume same as Access date of Inbound Vehicle Clearance Plaza)
A7010	Inbound VTS foundation and mounting poles (assume same as Access date of Inbound Vehicle Clearance Plaza)
A7020	Inbound TLS foundation and mounting poles (assume same as Access date of Inbound Vehicle Clearance Plaza)
A7030	Outbound VID foundation and mounting structure (assume same as Access date of Outbound Vehicle Clearance Plaza)
A7040	Outbound VTS foundation and mounting poles (assume same as Access date of Outbound Vehicle Clearance Plaza)
A7050	Outbound TLS foundation and mounting poles (assume same as Access date of Outbound Vehicle Clearance Plaza)
WA4 Site Erection & Servicing	
A1740	Possession of Site
A1750	Method Statement & Drawing
A1760	Place Order to prepare materials
A1770	Review, revise and approve method statement
A1780	Equipment mobilization and construction material delivered to the site
A1790	Set up the alignment and level of the u-channel
A1800	Trial pit excavation
A1801	Excavation for chain-link fence footing
A4540	Underground Utility detection
A4550	Delivery of asphalt and fencing materials
A4560	Trimming and leveling soil surface for paving asphalt material
A4570	Remove the vegetation and lose material on the soil surface by backhoe
A4580	Set out the alignment and level of the u-channel



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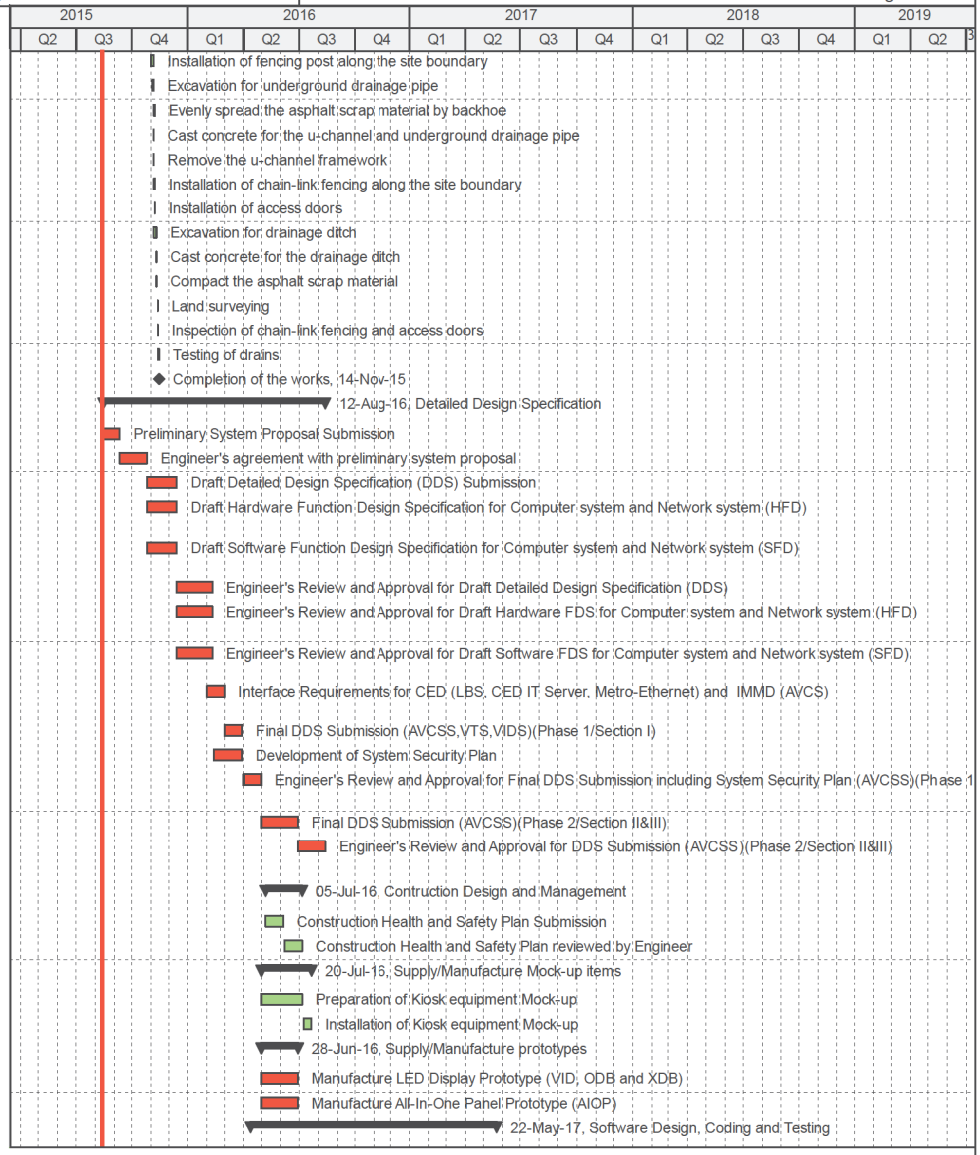
Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)

ATAL

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC

Activity ID	Activity Name
A4590	Installation of fencing post along the site boundary
A4600	Excavation for underground drainage pipe
A4610	Evenly spread the asphalt scrap material by backhoe
A4620	Cast concrete for the u-channel and underground drainage pipe
A4630	Remove the u-channel framework
A4640	Installation of chain-link fencing along the site boundary
A4650	Installation of access doors
A4660	Excavation for drainage ditch
A4670	Cast concrete for the drainage ditch
A4680	Compact the asphalt scrap material
A4690	Land surveying
A4700	Inspection of chain-link fencing and access doors
A4710	Testing of drains
A4720	Completion of the works
Detailed Design Specification	
A1808	Preliminary System Proposal Submission
A1809	Engineer's agreement with preliminary system proposal
A1810	Draft Detailed Design Specification (DDS) Submission
A1814	Draft Hardware Function Design Specification for Computer system and Network system (HFD)
A1815	Draft Software Function Design Specification for Computer system and Network system (SFD)
A1820	Engineer's Review and Approval for Draft Detailed Design Specification (DDS)
A1823	Engineer's Review and Approval for Draft Hardware FDS for Computer system and Network system (HFD)
A1824	Engineer's Review and Approval for Draft Software FDS for Computer system and Network system (SFD)
A1829	Interface Requirements for CED (LBS, CED IT Server, Metro-Ethernet) and IMMD (AVCS)
A1830	Final DDS Submission (AVCSS,VTS,VIDS)(Phase 1/Section I)
A1831	Development of System Security Plan
A1840	Engineer's Review and Approval for Final DDS Submission including System Security Plan (AVCSS)(Phase 1/Section I)
A1850	Final DDS Submission (AVCSS)(Phase 2/Section II&III)
A1860	Engineer's Review and Approval for DDS Submission (AVCSS)(Phase 2/Section II&III)
Contruction Design and Management	
A6920	Construction Health and Safety Plan Submission
A6930	Construction Health and Safety Plan reviewed by Engineer
Supply/Manufacture Mock-up items	
A4749	Preparation of Kiosk equipment Mock-up
A4750	Installation of Kiosk equipment Mock-up
Supply/Manufacture prototypes	
A2900	Manufacture LED Display Prototype (VID, ODB and XDB)
A2910	Manufacture All-In-One Panel Prototype (AIOP)
Software Design, Coding and Testing	



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Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)

ATAL

Date	Revision	Checked	Approved
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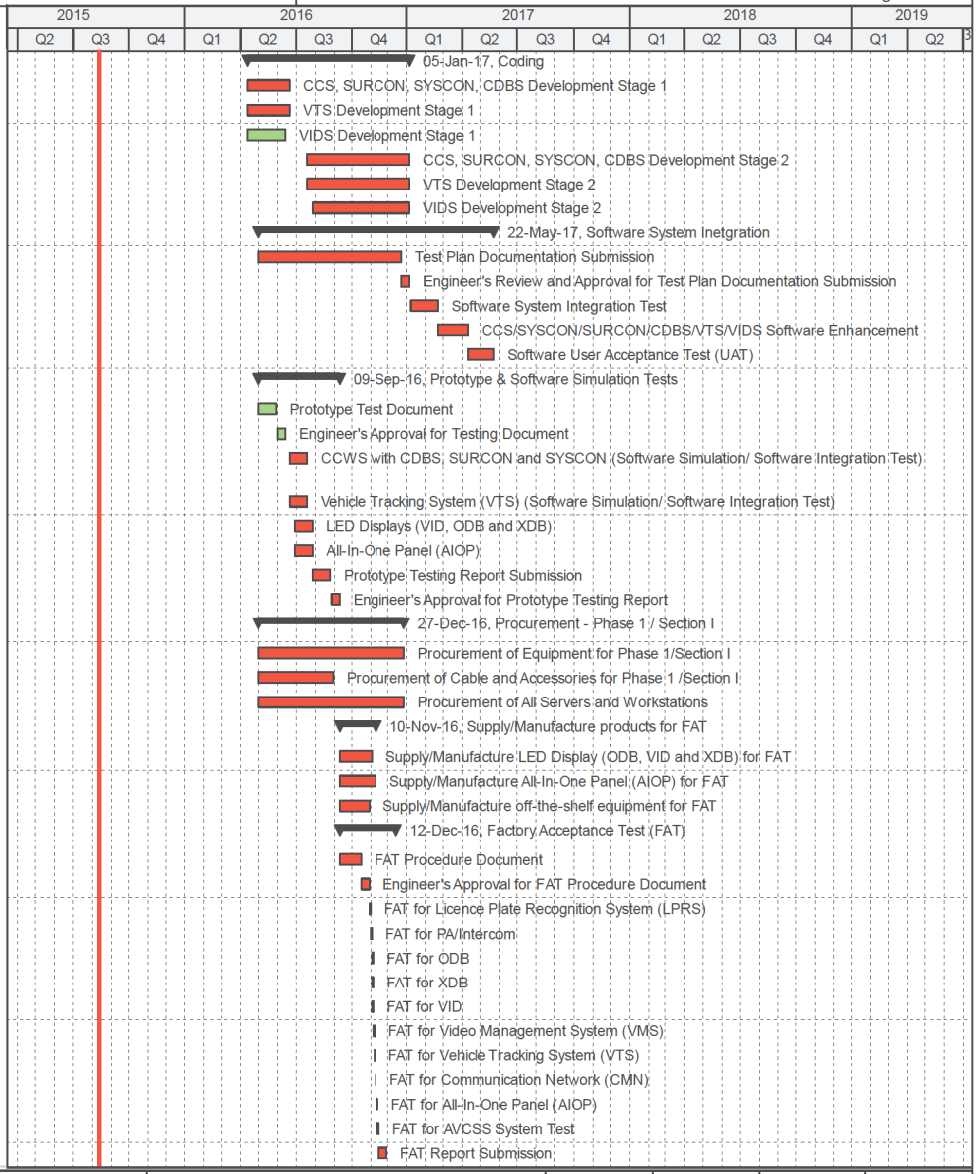
Activity ID	Activity Name
Coding	
A5460	CCS, SURCON, SYSCON, CDBS Development Stage 1
A5500	VTS Development Stage 1
A5510	VIDS Development Stage 1
A5540	CCS, SURCON, SYSCON, CDBS Development Stage 2
A5580	VTS Development Stage 2
A5590	VIDS Development Stage 2
Software System Inetgration	
A5520	Test Plan Documentation Submission
A5530	Engineer's Review and Approval for Test Plan Documentation Submission
A5600	Software System Integration Test
A5630	CCS/SYSCON/SURCON/CDBS/VTS/VIDS Software Enhancement
A5640	Software User Acceptance Test (UAT)
Prototype & Software Simulation Tests	
A1910	Prototype Test Document
A2130	Engineer's Approval for Testing Document
A2920	CCWS with CDBS, SURCON and SYSCON (Software Simulation/ Software Integration Test)
A2930	Vehicle Tracking System (VTS) (Software Simulation/ Software Integration Test)
A2950	LED Displays (VID, ODB and XDB)
A2960	All-In-One Panel (AIOP)
A3020	Prototype Testing Report Submission
A4350	Engineer's Approval for Prototype Testing Report
Procurement - Phase 1 / Section I	
A3070	Procurement of Equipment for Phase 1/Section I
A3080	Procurement of Cable and Accessories for Phase 1 /Section I
A3990	Procurement of All Servers and Workstations
Supply/Manufacture products for FAT	
A2980	Supply/Manufacture LED Display (ODB, VID and XDB) for FAT
A2990	Supply/Manufacture All-In-One Panel (AIOP) for FAT
A3000	Supply/Manufacture off-the-shelf equipment for FAT
Factory Acceptance Test (FAT)	
A2120	FAT Procedure Document
A2121	Engineer's Approval for FAT Procedure Document
A3050	FAT for Licence Plate Recognition System (LPRS)
A3060	FAT for PA/Intercom
A3090	FAT for ODB
A3100	FAT for XDB
A3110	FAT for VID
A3120	FAT for Video Management System (VMS)
A3130	FAT for Vehicle Tracking System (VTS)
A3140	FAT for Communication Network (CMN)
A3150	FAT for All-In-One Panel (AIOP)
A3160	FAT for AVCSS System Test
A4360	FAT Report Submission



Programme No.: HZMB-DWP
Data Date: 14-Aug-15

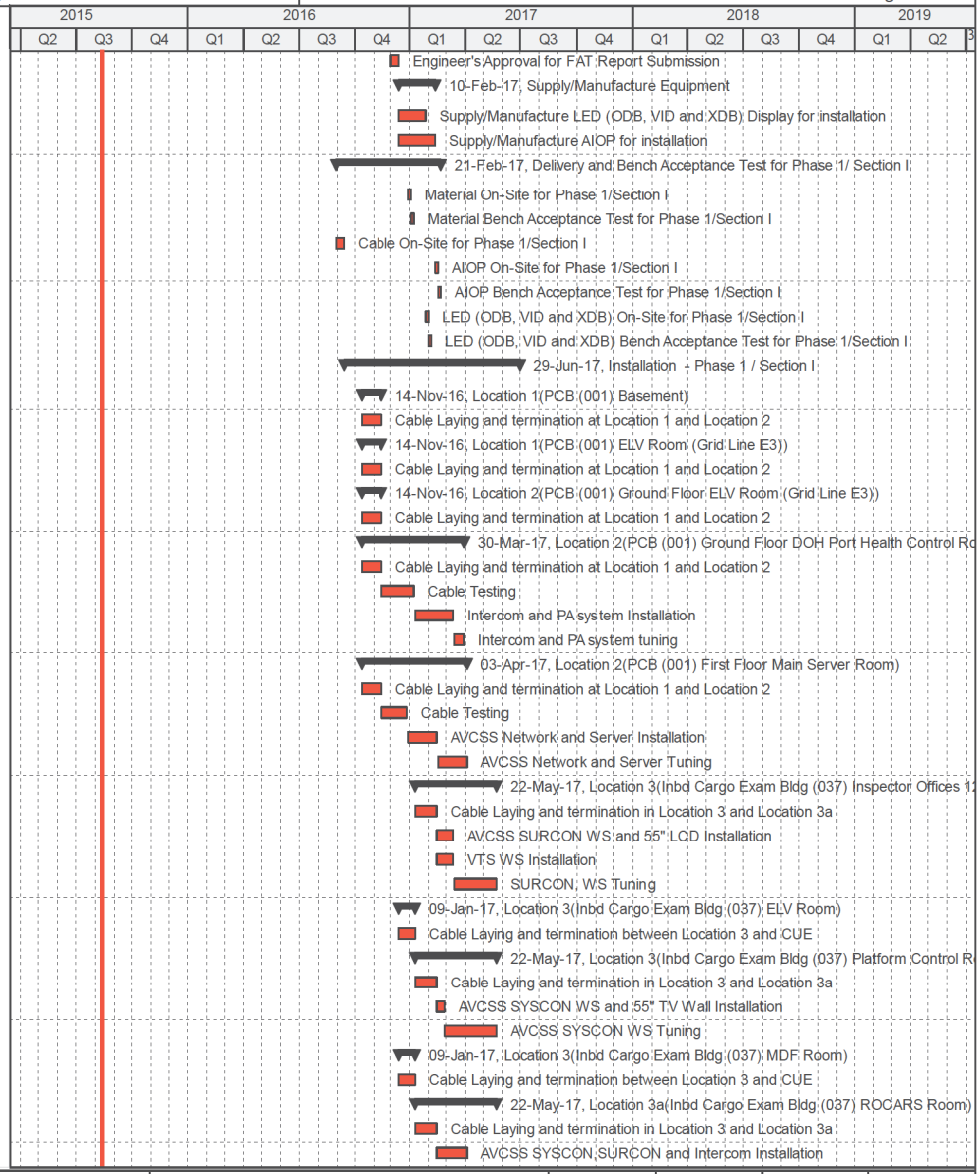
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- summary

Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)

ATAL

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC

Activity ID	Activity Name
A4370	Engineer's Approval for FAT Report Submission
Supply/Manufacture Equipment	
A6830	Supply/Manufacture LED (ODB, VID and XDB) Display for installation
A6840	Supply/Manufacture AIOP for installation
Delivery and Bench Acceptance Test for Phase 1/ Section I	
A6740	Material On-Site for Phase 1/Section I
A6750	Material Bench Acceptance Test for Phase 1/Section I
A6850	Cable On-Site for Phase 1/Section I
A6960	AIOP On-Site for Phase 1/Section I
A6970	AIOP Bench Acceptance Test for Phase 1/Section I
A6980	LED (ODB, VID and XDB) On-Site for Phase 1/Section I
A6990	LED (ODB, VID and XDB) Bench Acceptance Test for Phase 1/Section I
Installation - Phase 1 / Section I	
Location 1(PCB (001) Basement)	
A3081	Cable Laying and termination at Location 1 and Location 2
Location 1(PCB (001) ELV Room (Grid Line E3))	
A3101	Cable Laying and termination at Location 1 and Location 2
Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3))	
A3121	Cable Laying and termination at Location 1 and Location 2
Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD!	
A2041	Cable Laying and termination at Location 1 and Location 2
A2042	Cable Testing
A2043	Intercom and PA system Installation
A2044	Intercom and PA system tuning
Location 2(PCB (001) First Floor Main Server Room)	
A2001	Cable Laying and termination at Location 1 and Location 2
A2002	Cable Testing
A2003	AVCSS Network and Server Installation
A2004	AVCSS Network and Server Tuning
Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,12	
A3241	Cable Laying and termination in Location 3 and Location 3a
A3242	AVCSS SURCON WS and 55" LCD Installation
A3243	VTS WS Installation
A3245	SURCON, WS Tuning
Location 3(Inbd Cargo Exam Bldg (037) ELV Room)	
A3210	Cable Laying and termination between Location 3 and CUE
Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)	
A2071	Cable Laying and termination in Location 3 and Location 3a
A2072	AVCSS SYSCON WS and 55" TV Wall Installation
A2074	AVCSS SYSCON WS Tuning
Location 3(Inbd Cargo Exam Bldg (037) MDF Room)	
A3190	Cable Laying and termination between Location 3 and CUE
Location 3a(Inbd Cargo Exam Bldg (037) ROCARS Room)	
A2091	Cable Laying and termination in Location 3 and Location 3a
A2092	AVCSS SYSCON,SURCON and Intercom Installation



Programme No.: HZMB-DWP
Data Date: 14-Aug-15

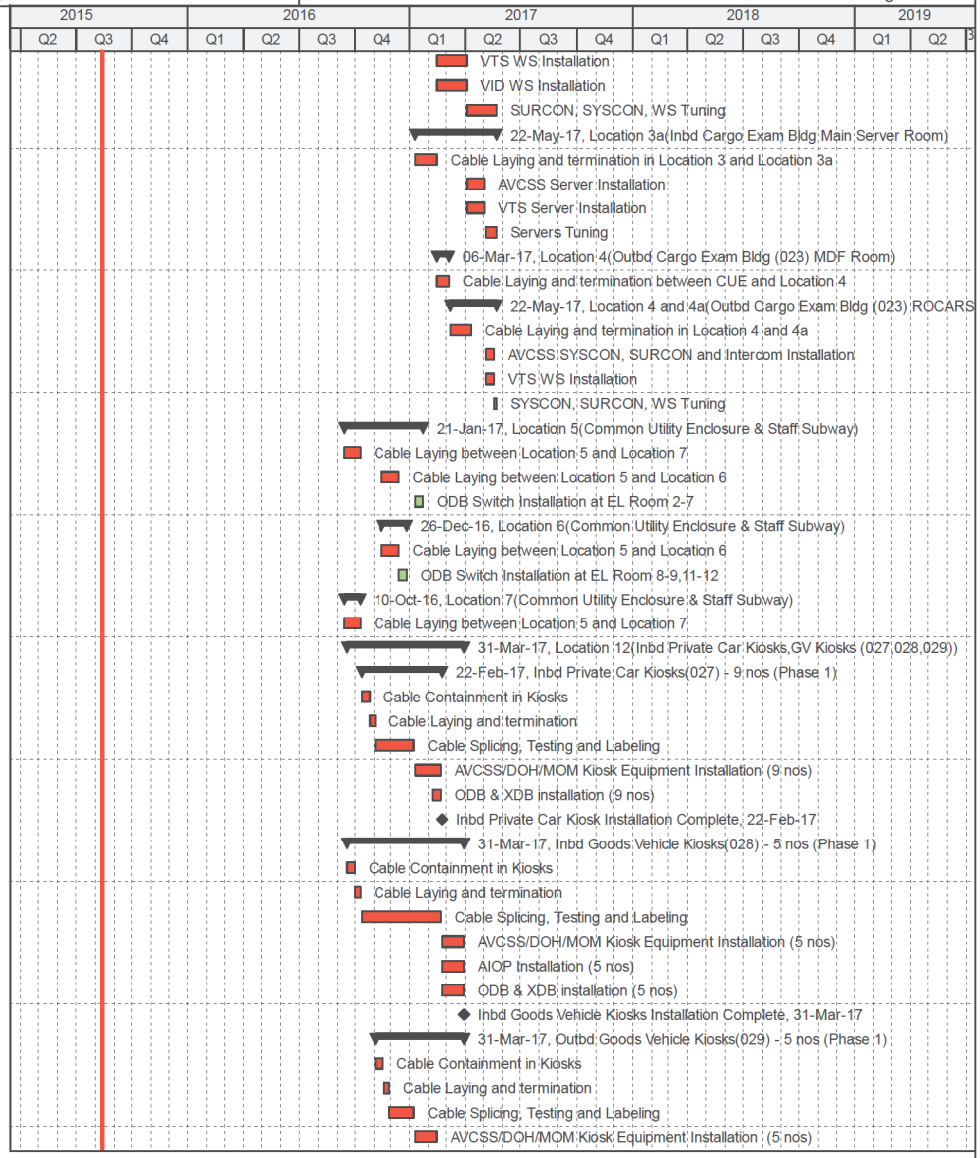
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- summary

Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing
Facilities - Automatic Vehicle
Clearance Support System (AVCSS)

ATAL

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC

Activity ID	Activity Name
A2093	VTS WS Installation
A2094	VID WS Installation
A2096	SURCON, SYSCON, WS Tuning
Location 3a(Inbd Cargo Exam Bldg Main Server Room)	
A3330	Cable Laying and termination in Location 3 and Location 3a
A3340	AVCSS Server Installation
A3350	VTS Server Installation
A3360	Servers Tuning
Location 4(Outbd Cargo Exam Bldg (023) MDF Room)	
A3410	Cable Laying and termination between CUE and Location 4
Location 4 and 4a(Outbd Cargo Exam Bldg (023) ROCARS Room)	
A3370	Cable Laying and termination in Location 4 and 4a
A3380	AVCSS SYSCON, SURCON and Intercom Installation
A3390	VTS WS Installation
A3400	SYSCON, SURCON, WS Tuning
Location 5(Common Utility Enclosure & Staff Subway)	
A3430	Cable Laying between Location 5 and Location 7
A3440	Cable Laying between Location 5 and Location 6
A3480	ODB Switch Installation at EL Room 2-7
Location 6(Common Utility Enclosure & Staff Subway)	
A3450	Cable Laying between Location 5 and Location 6
A3490	ODB Switch Installation at EL Room 8-9,11-12
Location 7(Common Utility Enclosure & Staff Subway)	
A3470	Cable Laying between Location 5 and Location 7
Location 12(Inbd Private Car Kiosks,GV Kiosks (027,028,029))	
Inbd Private Car Kiosks(027) - 9 nos (Phase 1)	
A2452	Cable Containment in Kiosks
A2453	Cable Laying and termination
A2454	Cable Splicing, Testing and Labeling
A2460	AVCSS/DOH/MOM Kiosk Equipment Installation (9 nos)
A2470	ODB & XDB installation (9 nos)
A4380	Inbd Private Car Kiosk Installation Complete
Inbd Goods Vehicle Kiosks(028) - 5 nos (Phase 1)	
A2532	Cable Containment in Kiosks
A2533	Cable Laying and termination
A2534	Cable Splicing, Testing and Labeling
A2540	AVCSS/DOH/MOM Kiosk Equipment Installation (5 nos)
A2550	AIOP Installation (5 nos)
A2560	ODB & XDB installation (5 nos)
A4390	Inbd Goods Vehicle Kiosks Installation Complete
Outbd Goods Vehicle Kiosks(029) - 5 nos (Phase 1)	
A2572	Cable Containment in Kiosks
A2573	Cable Laying and termination
A2574	Cable Splicing, Testing and Labeling
A2580	AVCSS/DOH/MOM Kiosk Equipment Installation (5 nos)



Programme No.: HZMB-DWP
Data Date: 14-Aug-15

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- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- summary

Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)

ATAL

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC

Activity ID	Activity Name
A2590	AIOP Installation (5 nos)
A2600	ODB & XDB installation (5 nos)
A4400	Outbd Goods Vehicle Kiosks Installation Complete
Location 13(Outbd Private Car Kiosks (030)) - 9 nos (Phase 1)	
A3582	Cable Containment in Kiosks
A3583	Cable Laying and termination
A3584	Cable Splicing, Testing and Labeling
A3590	AVCSS/DOH/MOM Kiosk Equipment Installation (9 nos)
A3600	ODB & XDB installation (9 nos)
A4410	Outbd Private Car Kiosks Installation Complete
Location 14(Future-Outbd/Inbd Private Car Kiosks) - 6+6 nos	
A2441	Cable Laying and termination at ELV Room in CUE
Location 15(Inbd Traffic Control Kiosk (100))	
A3651	Cable Laying and termination
A3652	AVCSS SYSCON, SURCON Installation
A3660	VTS WS and 55" LCD Installation
A3670	SYSCON, SURCON, WS Tuning
Location 16(Outbd Traffic Control Kiosk (101))	
A3701	Cable Laying and termination
A3702	AVCSS SYSCON, SURCON Installation
A3710	VTS WS and 55" LCD Installation
Location 17(Inbd Private Car Exam Bldg(033) Operational Office)	
A3750	Cable Laying and termination
A3760	AVCSS SURCON and 55" LCD Installation
A3770	SURCON Tuning
Location 18 (Outbd Private Car Exam Bldg(024) Operational Office)	
A3780	Cable Laying and termination
A3790	AVCSS SURCON and 55" LCD Installation
Location 19 (DOH Cargo Clearance Bldg(043))	
A2111	Cable Laying and termination between Location 19 and CUE
A2112	Cable Laying in Location 19
A2113	PA and Intercom Installation
A2123	PA and Intercom Tuning
Inbd Vehicle Clearance Plaza - 8 nos VID, 7 nos VTS, 4 nos TLS	
A4050	Inbound VID cabling from pillar box to VID field equipment
A4052	Inbound VTS cabling from pillar box to VTS field equipment
A4054	Inbound TLS cabling from pillar box to TLS field equipment
A4060	Inbound VID field equipment installation (8 VID)
A4062	Inbound VTS field equipment installation (4 RFID + 3 Cameras)
A4064	Inbound TLS field equipment installation (4 TLS)
A4066	Inbound VID, VTS and TLS field equipment tuning
Outbd Vehicle Clearance Plaza - 8 nos VID, 6 nos VTS, 4 nos TLS	
A4110	Outbound VID cabling from pillar box to VID field equipment
A4120	Outbound VTS cabling from pillar box to VTS field equipment
A4130	Outbound TLS cabling from pillar box to TLS field equipment

Programme No.: HZMB-DWP
Data Date: 14-Aug-15

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- summary

Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)

ATAL

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC

Activity ID	Activity Name
A4140	Outbound VID field equipment installation (8 VID)
A4150	Outbound VTS field equipment installation (3 RFID + 3 Cameras)
A4170	Outbound TLS field equipment installation (4 TLS)
A4180	Outbound VID, VTS and TLS field equipment tuning
Underground Ducting between Inbd Cargo Exam Bldg (037) and CUE	
A3810	Cable Laying and termination (note: Access Date by C03)
Underground Ducting between Inbd Cargo Exam Bldg (037) and Inbd Vehicle Clea	
A3830	Cable Laying and termination (note: Access Date by C03)
Underground Ducting between CUE and Outbd Car Exam Bldg (023)	
A3850	Cable Laying and termination (note: Access Date by C03)
Underground Ducting Between Outbd Cargo Exam Bldg (023) and Outbd Vehicle	
A3870	Cable Laying and termination (note: Access Date by C03)
Underground Ducting between CUE and Outbd Vehicle Clearance Plaza	
A3890	Cable Laying and termination (note: Access Date by C03)
On-Site Test and Commissioning (Phase 1 / Section I)	
A2150	Testing & Commissioning Documents Submission (8 weeks before Testings carried out)
A2151	Engineer Approval for T&C Document
A2152	Joint Site Inspection for Permanent Power/Tele-communication for Initial on-site testing
A2153	Initial on-site Testing & Commissioning
Site Acceptance Test (Phase 1 / Section I)	
A6601	Interface Readiness CED(LBS, CED IT, Metro-Ethernet) and IMMD (AVS)
A6602	SAT for AVCSS
A6603	SAT for Location 18 (AVCSS SURCON and 55" LCD)
A6630	SAT Test Document Submission
A6640	Software Manual Documentations Submission
Security Risk Assessment and Audit	
A6800	SRAA (Assessment)
A6810	Fix per SRAA Assessment
A6820	SRAA Audit
Operability Period Test (Phase 1 / Section I)	
A5610	Joint Site Inspection for utilities, telecom connection and metro ethernet for OPT
A5620	Operability Period Test (OPT) Phase 1
A5650	Operability Period Test (OPT) Phase 2
Completion (Phase 1 /Section I)	
A2230	AVCSS - Certificate of Completion (Phase 1/Section I)
A2231	Certificate of Completion Approval by Engineer
Training and Document (Phase 1 /Section I)	
A2180	Training Materials & Documentation Submission
A2190	Operation and Maintenance Training
Operation (Phase 1 /Section I)	
A2240	Site Operation (Phase 1/Section I)
Engineering Support for Phase 1 / Section I	

Programme No.: HZMB-DWP
Data Date: 14-Aug-15

- Actual Level of Effort
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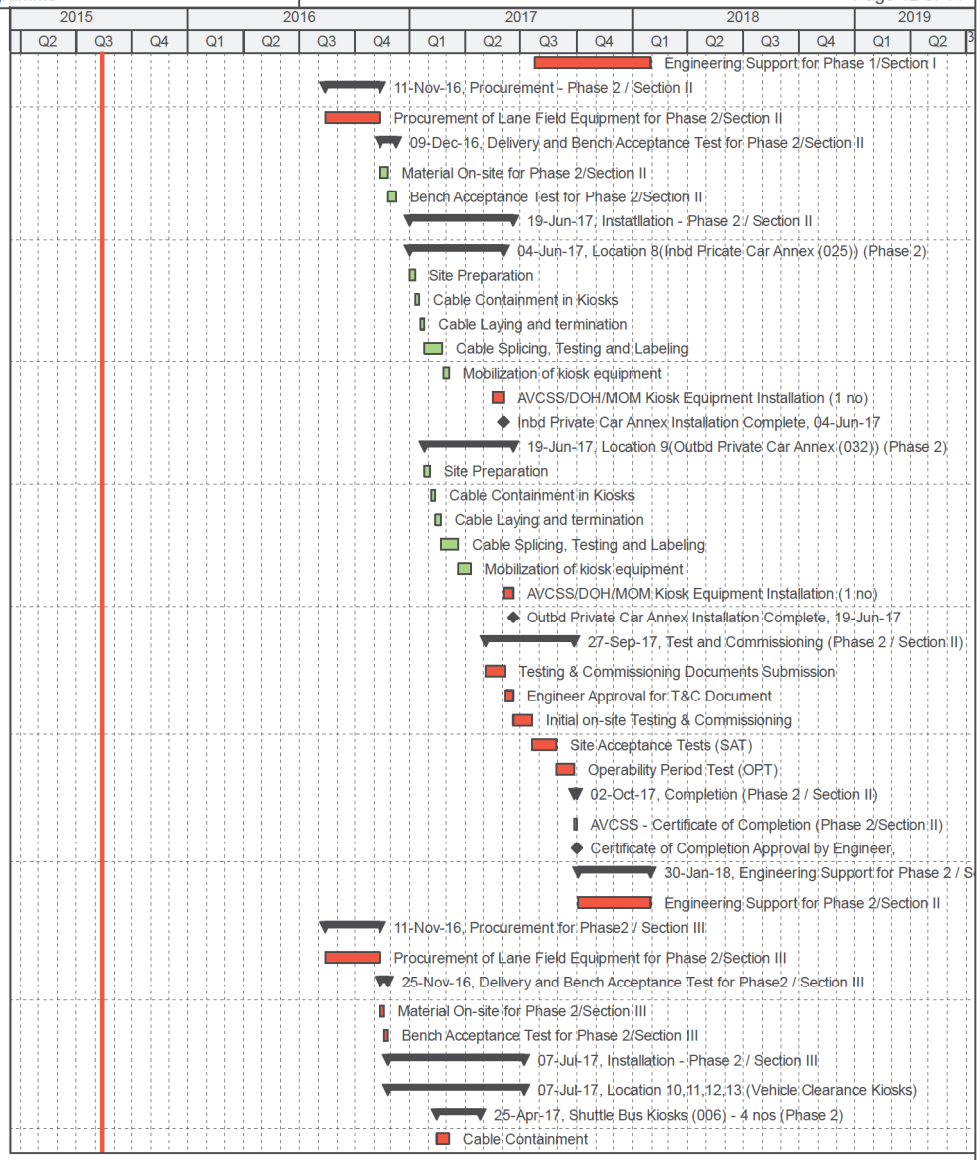
- Remaining Work
- Critical Remaining Work
- Milestone
- summary

Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)

ATAL

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC

Activity ID	Activity Name
A4420	Engineering Support for Phase 1/Section I
Procurement - Phase 2 / Section II	
A3980	Procurement of Lane Field Equipment for Phase 2/Section II
Delivery and Bench Acceptance Test for Phase 2/Section II	
A6760	Material On-site for Phase 2/Section II
A6770	Bench Acceptance Test for Phase 2/Section II
Instatllation - Phase 2 / Section II	
Location 8(Inbd Pricate Car Annex (025)) (Phase 2)	
A4090	Site Preparation
A4091	Cable Containment in Kiosks
A4093	Cable Laying and termination
A4094	Cable Splicing, Testing and Labeling
A4096	Mobilization of kiosk equipment
A4100	AVCSS/DOH/MOM Kiosk Equipment Installation (1 no)
A4430	Inbd Private Car Annex Installation Complete
Location 9(Outbd Private Car Annex (032)) (Phase 2)	
A4151	Site Preparation
A4152	Cable Containment in Kiosks
A4153	Cable Laying and termination
A4154	Cable Splicing, Testing and Labeling
A4156	Mobilization of kiosk equipment
A4160	AVCSS/DOH/MOM Kiosk Equipment Installation (1 no)
A4440	Outbd Private Car Annex Installation Complete
Test and Commissioning (Phase 2 / Section II)	
A2290	Testing & Commissioning Documents Submission
A2291	Engineer Approval for T&C Document
A2292	Initial on-site Testing & Commissioning
A2300	Site Acceptance Tests (SAT)
A2310	Operability Period Test (OPT)
Completion (Phase 2 / Section II)	
A2320	AVCSS - Certificate of Completion (Phase 2/Section II)
A4320	Certificate of Completion Approval by Engineer
Engineering Support for Phase 2 / Section II	
A4450	Engineering Support for Phase 2/Section II
Procurement for Phase2 / Section III	
A4000	Procurement of Lane Field Equipment for Phase 2/Section III
Delivery and Bench Acceptance Test for Phase2 / Section III	
A6780	Material On-site for Phase 2/Section III
A6790	Bench Acceptance Test for Phase 2/Section III
Installation - Phase 2 / Section III	
Location 10,11,12,13 (Vehicle Clearance Kiosks)	
Shuttle Bus Kiosks (006) - 4 nos (Phase 2)	
A2622	Cable Containment



Programme No.: HZMB-DWP
Data Date: 14-Aug-15

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- Remaining Work
- Critical Remaining Work
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- summary

Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)

ATAL

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC

Activity ID	Activity Name
A2623	Cable Laying and termination
A2630	AVCSS/DOH/MOM Kiosk Equipment Installation (4 nos)
A4460	Shuttle Bus Kiosks Installation Complete
Outbd Coach Kiosks (009) - 4 nos (Phase 2)	
A2662	Cable Containment
A2663	Cable Laying and termination
A2670	AVCSS/DOH/MOM Kiosk Equipment Installation (4 nos)
A4470	Outbd Coach Kiosks Installation Complete
Inbd Private Car Kiosks (027) - 12 nos (Phase 2)	
A2742	Cable Containment
A2743	Cable Laying and termination
A2744	Cable Splicing, Testing and Labeling
A2750	AVCSS/DOH/MOM Kiosk Equipment Installation (12 nos)
A2760	Kiosk Equipment Configuration (12 nos)
A4490	Inbd Private Car Kiosks Installation Complete
Outbd Private Car Kiosks (030) - 12 nos (Phase 2)	
A2782	Cable Containment
A2783	Cable Laying and termination
A2784	Cable Splicing, Testing and Labeling
A2790	AVCSS/DOH/MOM Kiosk Equipment Installation (12 nos)
A4500	Outbd Private Car Kiosks Installation Complete
Inbd Goods Vehicle Kiosks (028) - 3 nos (Phase 2)	
A2822	Cable Containment
A2823	Cable Laying and termination
A2825	Kiosk Equipment Configuration (3 nos)
A2830	AVCSS/DOH/MOM Kiosk Equipment Installation (3 nos)
A4510	Inbd Goods Vehicle Kiosks Installation Complete
Outbd Goods Vehicle Kiosks (029) - 3 nos (Phase 2)	
A2862	Cable Containment
A2863	Cable Laying and termination
A2865	Cable Splicing, Testing and Labeling
A2870	AVCSS/DOH/MOM Kiosk Equipment Installation (3 nos)
A4520	Outbd Goods Vehicle Kiosks Installation Complete
Inbd Coach Kiosks (010) - 4 nos (Phase 2)	
A2702	Cable Containment
A2703	Cable Laying and termination
A2705	Kiosk Equipment Configuration (4 nos)
A2710	AVCSS/DOH/MOM Kiosk Equipment Installation (2 nos)
A2720	AVCSS/DOH/MOM Kiosk Equipment Installation (2 nos)
A4480	Inbd Coach Kiosks Installation Complete
Underground Ducting between CUE and Shuttle Bus Kiosk (006)	
A3970	Cable Laying and termination (note: Access Date by C03)
Underground Ducting between PCB(001) and Inbd Coach Kiosks(010)	
A3930	Cable Laying and termination (note: Access Date by C03)
Test and Commissioning (Phase 2 / Section III)	

Programme No.: HZMB-DWP
Data Date: 14-Aug-15

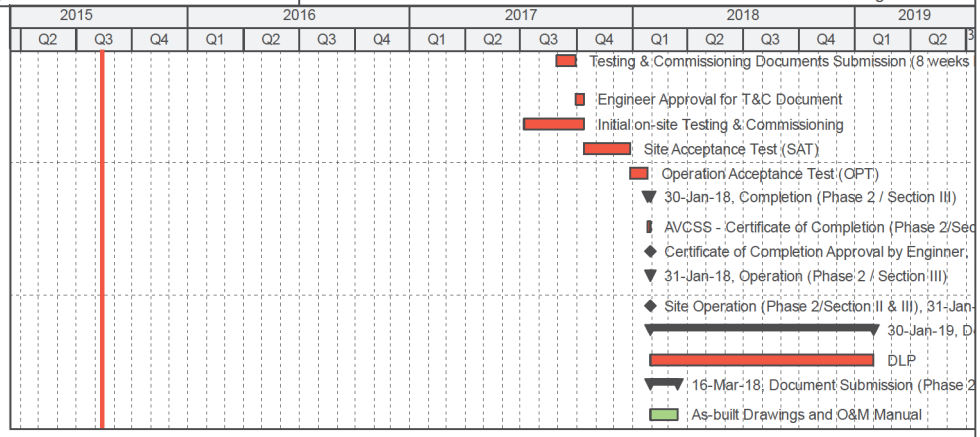
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- summary

Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)

ATAL

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC

Activity ID	Activity Name
A2370	Testing & Commissioning Documents Submission (8 weeks before Testings carried out)
A2371	Engineer Approval for T&C Document
A2373	Initial on-site Testing & Commissioning
A2380	Site Acceptance Test (SAT)
A2390	Operation Acceptance Test (OPT)
Completion (Phase 2 / Section III)	
A2400	AVCSS - Certificate of Completion (Phase 2/Section III)
A4330	Certificate of Completion Approval by Enginner
Operation (Phase 2 / Section III)	
A2420	Site Operation (Phase 2/Section II & III)
Defect Liability Period (DLP)	
A2430	DLP
Document Submission (Phase 2 / Section III)	
A4340	As-built Drawings and O&M Manual



Programme No.: HZMB-DWP
Data Date: 14-Aug-15

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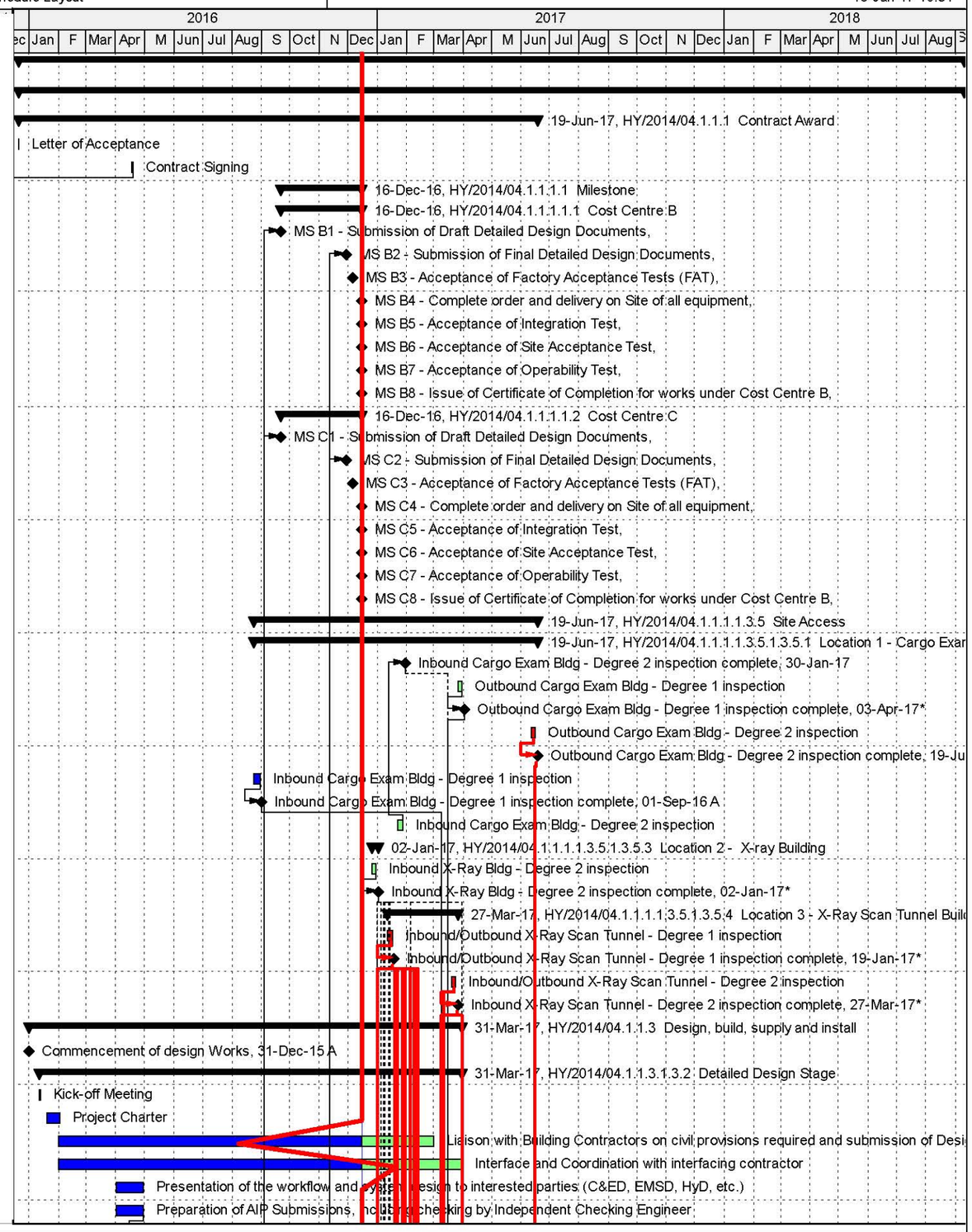
- summary

Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)

ATAL

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC

Activity ID	Activity Name
HY/2014/04	Hong Kong-Zhuhai-Macao Brid
HY/2014/04.1	Contract No. HY/2014/04 Hong
HY/2014/04.1.1.1	Contract Award
3	Letter of Acceptance
4	Contract Signing
HY/2014/04.1.1.1.1	Milestone
HY/2014/04.1.1.1.1.1	Cost Centre B
A1(	MS B1 - Submission of Draft Detailed Design Do
A1(	MS B2 - Submission of Final Detailed Design Do
A1(	MS B3 - Acceptance of Factory Acceptance Test
A1(	MS B4 - Complete order and delivery on Site of a
A1(	MS B5 - Acceptance of Integration Test
A1(	MS B6 - Acceptance of Site Acceptance Test
A1(	MS B7 - Acceptance of Operability Test
A1(	MS B8 - Issue of Certificate of Completion for wc
HY/2014/04.1.1.1.1.2	Cost Centre C
A1(	MS C1 - Submission of Draft Detailed Design Do
A11	MS C2 - Submission of Final Detailed Design Do
A11	MS C3 - Acceptance of Factory Acceptance Tes
A11	MS C4 - Complete order and delivery on Site of a
A11	MS C5 - Acceptance of Integration Test
A11	MS C6 - Acceptance of Site Acceptance Test
A11	MS C7 - Acceptance of Operability Test
A11	MS C8 - Issue of Certificate of Completion for wc
HY/2014/04.1.1.1.1.3.5	Site Access
HY/2014/04.1.1.1.1.3.5.1.3.5.1	Location 1 - Cargo Exar
100	Inbound Cargo Exam Bldg - Degree 2 inspection
102	Outbound Cargo Exam Bldg - Degree 1 inspection
103	Outbound Cargo Exam Bldg - Degree 1 inspectic
104	Outbound Cargo Exam Bldg - Degree 2 inspection
105	Outbound Cargo Exam Bldg - Degree 2 inspectic
97	Inbound Cargo Exam Bldg - Degree 1 inspection
98	Inbound Cargo Exam Bldg - Degree 1 inspection
99	Inbound Cargo Exam Bldg - Degree 2 inspection
HY/2014/04.1.1.1.1.3.5.1.3.5.3	Location 2 - X-ray Buil(
107	Inbound X-Ray Bldg - Degree 2 inspection
108	Inbound X-Ray Bldg - Degree 2 inspection comp
HY/2014/04.1.1.1.1.3.5.1.3.5.4	Location 3 - X-Ray Scar
110	Inbound/Outbound X-Ray Scan Tunnel - Degree
111	Inbound/Outbound X-Ray Scan Tunnel - Degree
112	Inbound/Outbound X-Ray Scan Tunnel - Degree
113	Inbound X-Ray Scan Tunnel - Degree 2 inspectic
HY/2014/04.1.1.3	Design, build, supply and install
28	Commencement of design Works
HY/2014/04.1.1.3.1.3.2	Detailed Design Stage
30	Kick-off Meeting
31	Project Charter
32	Liaison with Building Contractors on civil provisio
33	Interface and Coordination with interfacing contra
35	Presentation of the workflow and system design
36	Preparation of AIP Submissions, including checki



Actual Level of Effort | Remaining Work | ◆◆ Milestone
Actual Work | Critical Remaining Work | summary

TASK filter: All Activities

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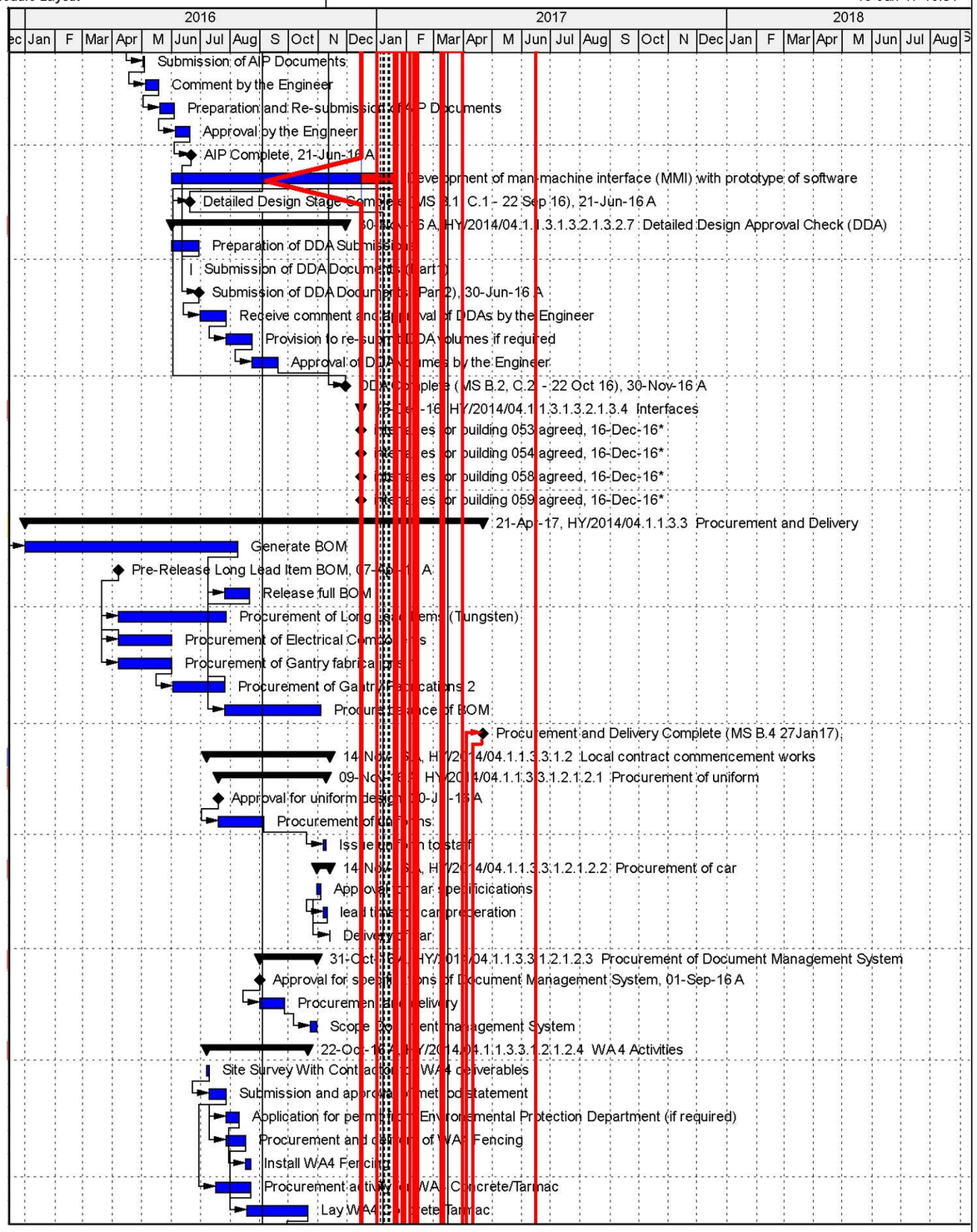
Activity ID	Activity Name
37	Submission of AIP Documents
38	Comment by the Engineer
39	Preparation and Re-submission of AIP Documents
40	Approval by the Engineer
41	AIP Complete
42	Development of man-machine interface (MMI) wi
51	Detailed Design Stage Complete (MS B.1, C.1 - 2
HY/2014/04.1.1.3.1.3.2.1.3.2.7	Detailed Design Approv
44	Preparation of DDA Submissions
45	Submission of DDA Documents (Part1)
46	Submission of DDA Documents (Part2)
47	Receive comment and approval of DDAs by the E
48	Provision to re-submit DDA volumes if required
49	Approval of DDA volumes by the Engineer
50	DDA Complete (MS B.2, C.2 - 22 Oct 16)
HY/2014/04.1.1.3.1.3.2.1.3.4	Interfaces
91	interfaces for building 053 agreed
92	interfaces for building 054 agreed
93	interfaces for building 058 agreed
94	interfaces for building 059 agreed
HY/2014/04.1.1.3.3	Procurement and Delivery
53	Generate BOM
54	Pre-Release Long Lead Item BOM
55	Release full BOM
56	Procurement of Long Lead Items (Tungsten)
57	Procurement of Electrical Components
58	Procurement of Gantry fabrications 1
59	Procurement of Gantry Fabrications 2
60	Procure balance of BOM
89	Procurement and Delivery Complete (MS B.4 27,
HY/2014/04.1.1.3.3.1.2	Local contract commencement v
HY/2014/04.1.1.3.3.1.2.1.2.1	Procurement of uniform
7	Approval for uniform design
8	Procurement of uniforms
9	Issue uniform to staff
HY/2014/04.1.1.3.3.1.2.1.2.2	Procurement of car
11	Approval for car specificications
12	lead time for car preperation
13	Delivery of car
HY/2014/04.1.1.3.3.1.2.1.2.3	Procurement of Docume
15	Approval for specifications of Document Manage
16	Procurement and delivery
17	Scope Document management System
HY/2014/04.1.1.3.3.1.2.1.2.4	WA 4 Activities
19	Site Survey With Contractor for WA4 deliverables
20	Submission and approval of method statement
21	Application for permit from Environemental Prote
22	Procurement and delivery of WA4 Fencing
23	Install WA4 Fencing
24	Procurement activity for WA4 Concrete/Tarmac
25	Lay WA4 Concrete/Tarmac



Actual Level of Effort | Remaining Work | ◆◆ Milestone
Actual Work | Critical Remaining Work | ▼▼ summary

TASK filter: All Activities

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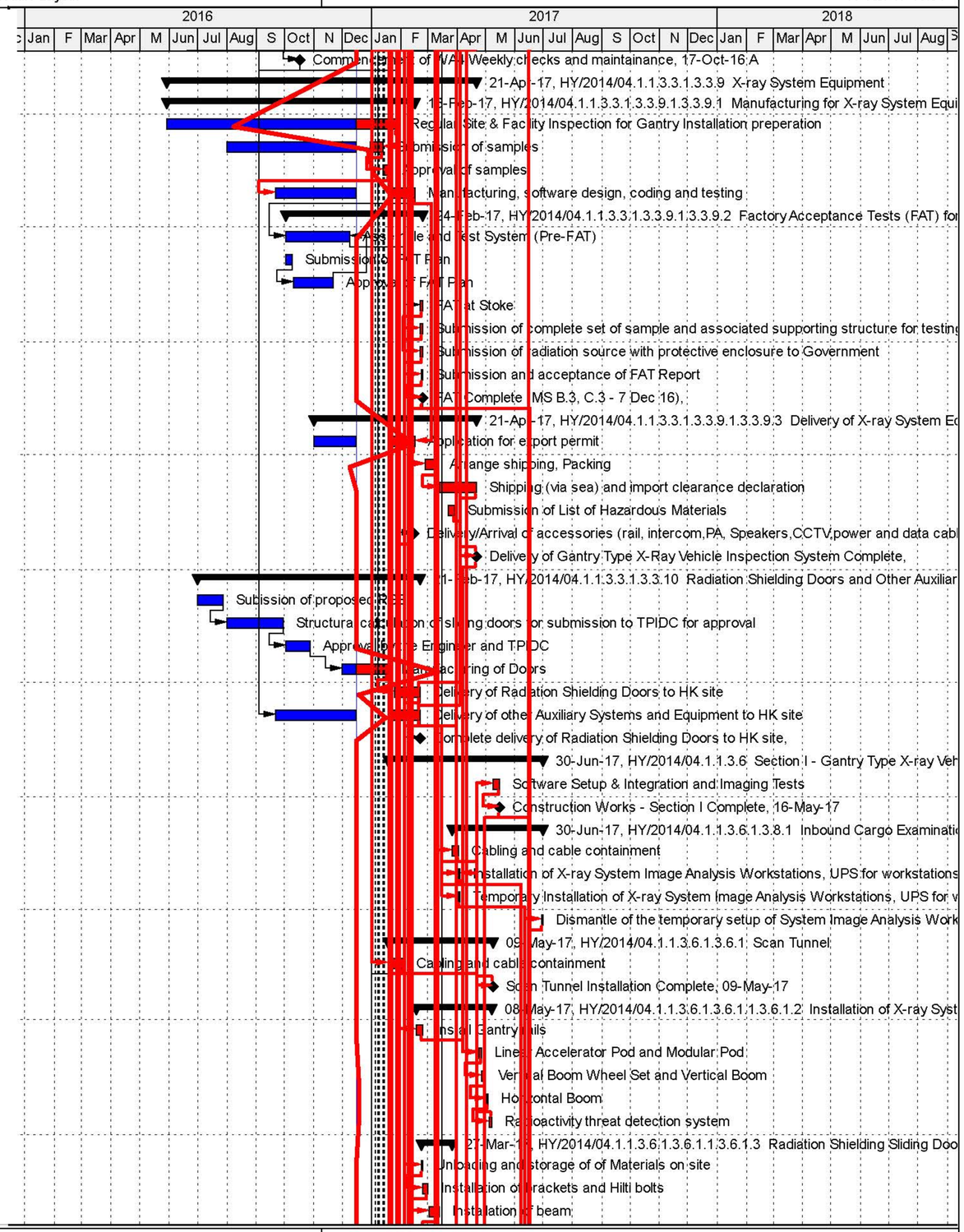
Activity ID	Activity Name
26	Commencement of WA4 Weekly checks and ma
HY/2014/04.1.1.3.3.1.3.3.9	X-ray System Equipment
HY/2014/04.1.1.3.3.1.3.3.9.1.3.3.9.1	Manufacturing for
63	Regular Site & Facility Inspection for Gantry Inst
64	Submission of samples
65	Approval of samples
66	Manufacturing, software design, coding and testin
HY/2014/04.1.1.3.3.1.3.3.9.1.3.3.9.2	Factory Acceptanc
68	Assemble and Test System (Pre-FAT)
69	Submission of FAT Plan
69.5	Approval of FAT Plan
70	FAT at Stoke
71	Submission of complete set of sample and asso
72	Submission of radiation source with protective er
73	Submission and acceptance of FAT Report
74	FAT Complete (MS B.3, C.3 - 7 Dec 16)
HY/2014/04.1.1.3.3.1.3.3.9.1.3.3.9.3	Delivery of X-ray S
76	Application for export permit
77	Arrange shipping, Packing
78	Shipping (via sea) and import clearance declaratio
79	Submission of List of Hazardous Materials
80	Delivery/Arrival of accessories (rail, intercom,PA,
81	Delivery of Gantry Type X-Ray Vehicle Inspection
HY/2014/04.1.1.3.3.1.3.3.10	Radiation Shielding Doors a
83	Subission of proposed RSE
84	Structural calculation of sliding doors for submiss
85	Approval by the Engineer and TPIDC
86	Manufacturing of Doors
87	Delivery of Radiation Shielding Doors to HK site
88	Delivery of other Auxiliary Systems and Equipmer
A1000	Complete delivery of Radiation Shielding Doors to
HY/2014/04.1.1.3.6	Section I - Gantry Type X-ray Vehi
212	Software Setup & Integration and Imaging Tests
213	Construction Works - Section I Complete
HY/2014/04.1.1.3.6.1.3.8.1	Inbound Cargo Examination I
315	Cabling and cable containment
316	Installation of X-ray System Image Analysis Work
317	Temporary Installation of X-ray System Image An
318	Dismantle of the temporary setup of System Ima
HY/2014/04.1.1.3.6.1.3.6.1	Scan Tunnel
116	Cabling and cable containment
140	Scan Tunnel Installation Complete
HY/2014/04.1.1.3.6.1.3.6.1.1.3.6.1.2	Installation of X-ra
118	Install Gantry rails
119	Linear Accelerator Pod and Modular Pod
120	Vertical Boom Wheel Set and Vertical Boom
121	Horizontal Boom
122	Radioactivity threat detection system
HY/2014/04.1.1.3.6.1.3.6.1.1.3.6.1.3	Radiation Shieldin
124	Unloading and storage of of Materials on site
125	Installation of brackets and Hilti bolts
126	Installation of beam



Actual Level of Effort | Remaining Work | ◆◆ Milestone
Actual Work | Critical Remaining Work | summary

TASK filter: All Activities

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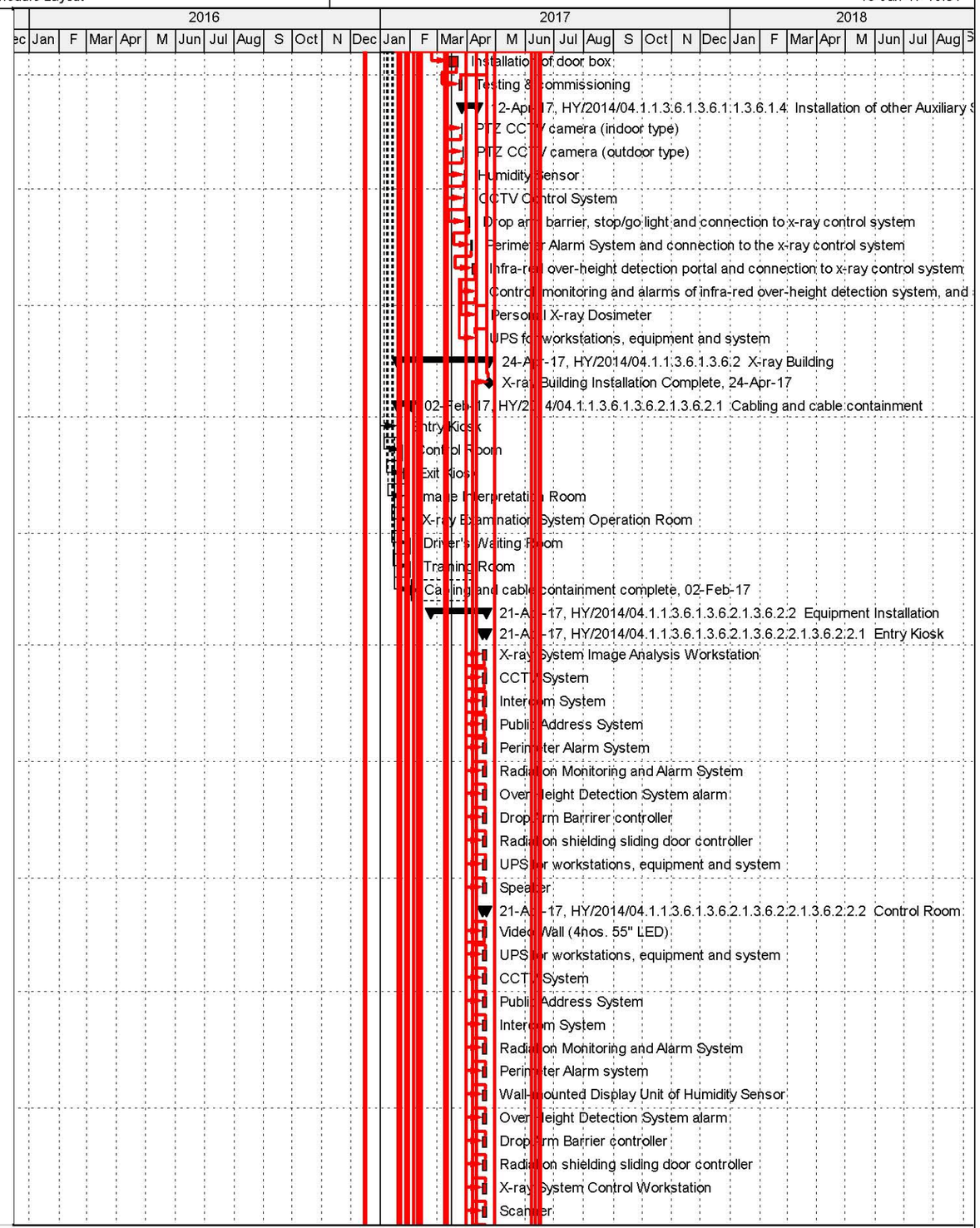
Activity ID	Activity Name
127	Installation of door box
128	Testing & commissioning
HY/2014/04.1.1.3.6.1.3.6.1.1.3.6.1.4	Installation of oth
130	PTZ CCTV camera (indoor type)
131	PTZ CCTV camera (outdoor type)
132	Humidity Sensor
133	CCTV Control System
134	Drop arm barrier, stop/go light and connection to
135	Perimeter Alarm System and connection to the x-
136	Infra-red over-height detection portal and connec
137	Control, monitoring and alarms of infra-red over-l
138	Personal X-ray Dosimeter
139	UPS for workstations, equipment and system
HY/2014/04.1.1.3.6.1.3.6.2	X-ray Building
211	X-ray Building Installation Complete
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.1	Cabling and cable
143	Entry Kiosk
144	Control Room
145	Exit Kiosk
146	Image Interpretation Room
147	X-ray Examination System Operation Room
148	Driver's Waiting Room
149	Training Room
150	Cabling and cable containment complete
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2	Equipment Installa
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.1	Entry
X-ray System Image Analysis Workstation	
CCTV System	
Intercom System	
Public Address System	
Perimeter Alarm System	
Radiation Monitoring and Alarm System	
Over Height Detection System alarm	
Drop Arm Barrirer controller	
Radiation shielding sliding door controller	
UPS for workstations, equipment and system	
Speaker	
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.2	Cont
Video Wall (4nos. 55" LED)	
UPS for workstations, equipment and system	
CCTV System	
Public Address System	
Intercom System	
Radiation Monitoring and Alarm System	
Perimeter Alarm system	
Wall-mounted Display Unit of Humidity Sensor	
Over Height Detection System alarm	
Drop Arm Barrier controller	
Radiation shielding sliding door controller	
X-ray System Control Workstation	
Scanner	



Actual Level of Effort | Remaining Work | ◆◆ Milestone
Actual Work | Critical Remaining Work | summary

TASK filter: All Activities

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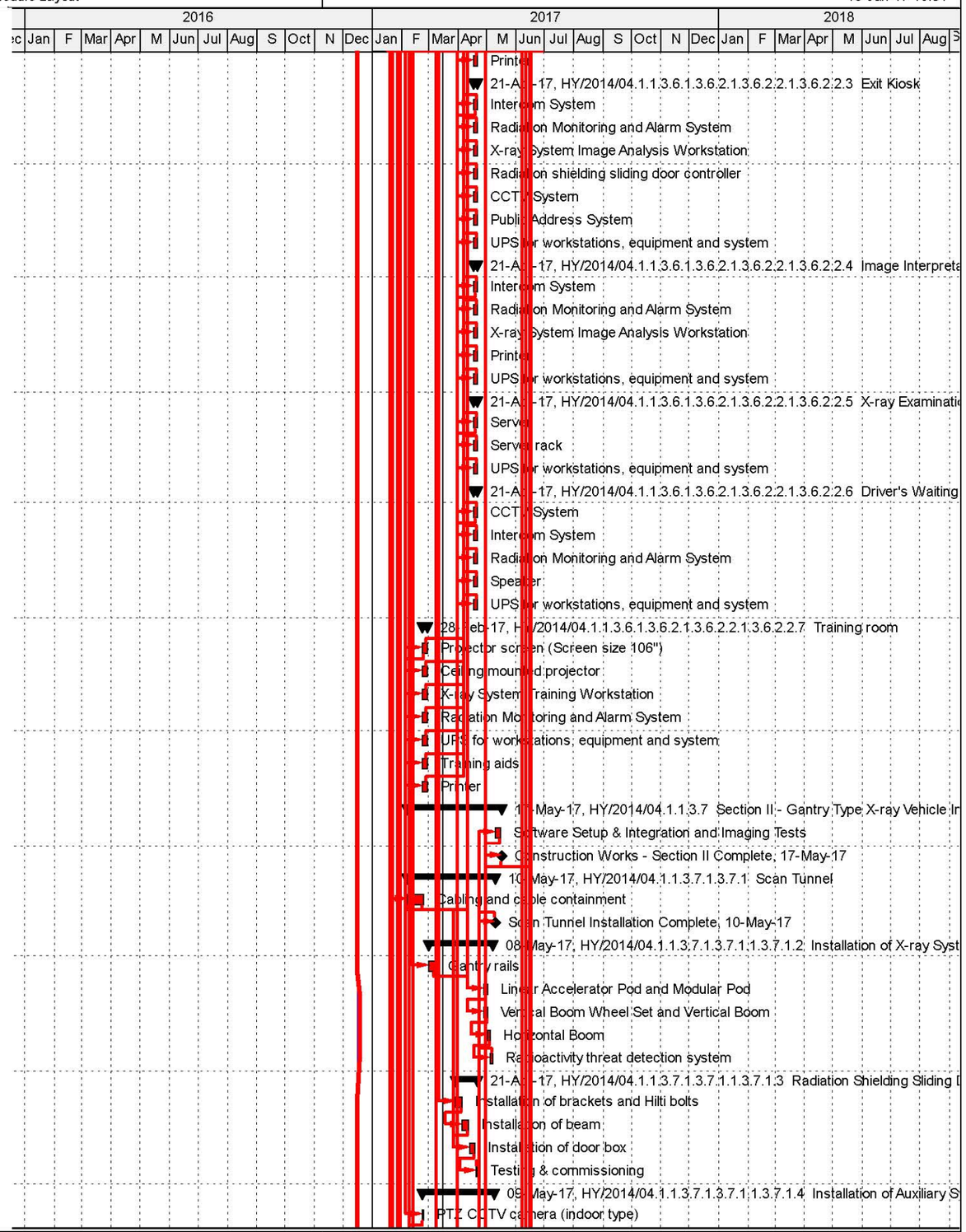
Activity ID	Activity Name
	Printer
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.3	Exit K
	Intercom System
	Radiation Monitoring and Alarm System
	X-ray System Image Analysis Workstation
	Radiation shielding sliding door controller
	CCTV System
	Public Address System
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.4	Imag
	Intercom System
	Radiation Monitoring and Alarm System
	X-ray System Image Analysis Workstation
	Printer
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.5	X-ray
	Server
	Server rack
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.6	Drive
	CCTV System
	Intercom System
	Radiation Monitoring and Alarm System
	Speaker
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.7	Traini
	Projector screen (Screen size 106")
	Ceilling mounted projector
	X-ray System Training Workstation
	Radiation Monitoring and Alarm System
	UPS for workstations, equipment and system
	Training aids
	Printer
HY/2014/04.1.1.3.7	Section II - Gantry Type X-ray Vehi
311	Software Setup & Integration and Imaging Tests
312	Construction Works - Section II Complete
HY/2014/04.1.1.3.7.1.3.7.1	Scan Tunnel
216	Cabling and cable containment
239	Scan Tunnel Installation Complete
HY/2014/04.1.1.3.7.1.3.7.1.1.3.7.1.2	Installation of X-ra
218	Gantry rails
219	Linear Accelerator Pod and Modular Pod
220	Vertical Boom Wheel Set and Vertical Boom
221	Horizontal Boom
222	Radioactivity threat detection system
HY/2014/04.1.1.3.7.1.3.7.1.1.3.7.1.3	Radiation Shieldin
224	Installation of brackets and Hilti bolts
225	Installation of beam
226	Installation of door box
227	Testing & commissioning
HY/2014/04.1.1.3.7.1.3.7.1.1.3.7.1.4	Installation of Aux
229	PTZ CCTV camera (indoor type)



Actual Level of Effort | Remaining Work | ◆◆ Milestone
Actual Work | Critical Remaining Work | summary

TASK filter: All Activities

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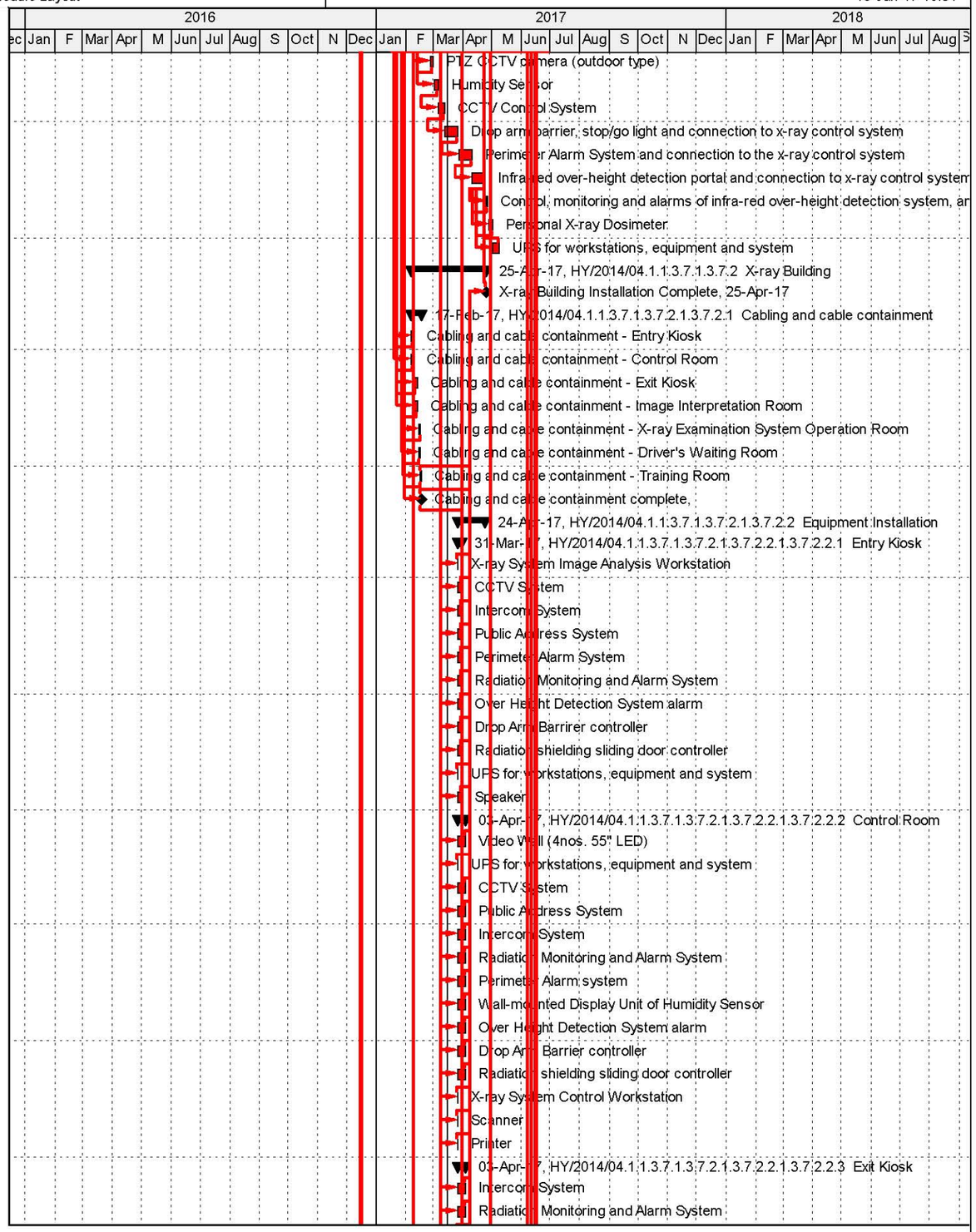
Activity ID	Activity Name
230	PTZ CCTV camera (outdoor type)
231	Humidity Sensor
232	CCTV Control System
233	Drop arm barrier, stop/go light and connection to
234	Perimeter Alarm System and connection to the x-
235	Infra-red over-height detection portal and connec
236	Control, monitoring and alarms of infra-red over-l
237	Personal X-ray Dosimeter
238	UPS for workstations, equipment and system
HY/2014/04.1.1.3.7.1.3.7.2 X-ray Building	
310	X-ray Building Installation Complete
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.1 Cabling and cable	
242	Cabling and cable containment - Entry Kiosk
243	Cabling and cable containment - Control Room
244	Cabling and cable containment - Exit Kiosk
245	Cabling and cable containment - Image Interpreta
246	Cabling and cable containment - X-ray Examinati
247	Cabling and cable containment - Driver's Waiting
248	Cabling and cable containment - Training Room
249	Cabling and cable containment complete
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2 Equipment Installa	
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.1 Entry	
1	X-ray System Image Analysis Workstation
1	CCTV System
1	Intercom System
1	Public Address System
1	Perimeter Alarm System
1	Radiation Monitoring and Alarm System
1	Over Height Detection System alarm
1	Drop Arm Barrirer controller
1	Radiation shielding sliding door controller
1	UPS for workstations, equipment and system
1	Speaker
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.2 Conti	
1	Video Wall (4nos. 55" LED)
1	UPS for workstations, equipment and system
1	CCTV System
1	Public Address System
1	Intercom System
1	Radiation Monitoring and Alarm System
1	Perimeter Alarm system
1	Wall-mounted Display Unit of Humidity Sensor
1	Over Height Detection System alarm
1	Drop Arm Barrier controller
1	Radiation shielding sliding door controller
1	X-ray System Control Workstation
1	Scanner
1	Printer
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.3 Exit K	
1	Intercom System
1	Radiation Monitoring and Alarm System



Actual Level of Effort | Remaining Work | ◆◆ Milestone
Actual Work | Critical Remaining Work | summary

TASK filter: All Activities

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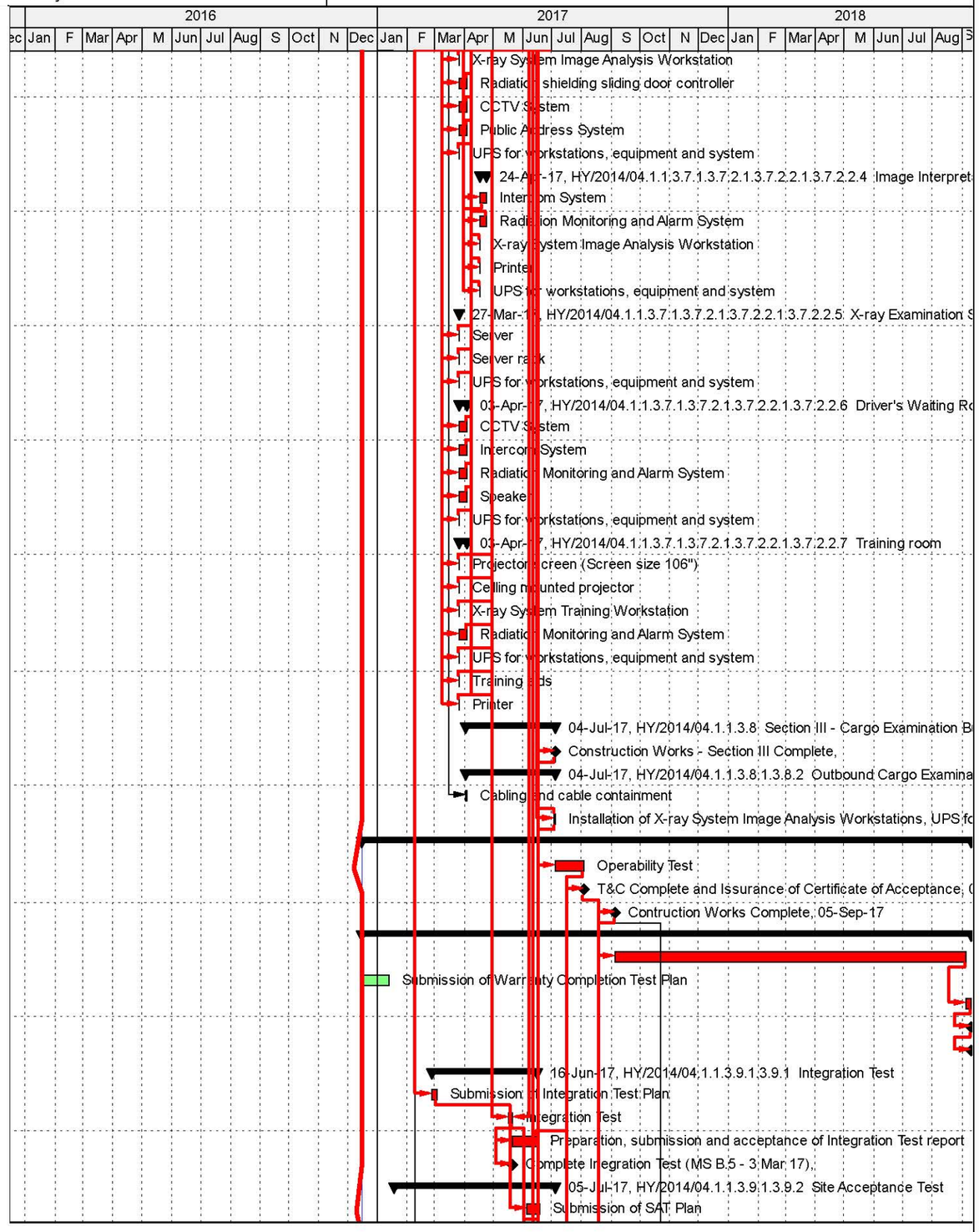
Activity ID	Activity Name
	X-ray System Image Analysis Workstation
	Radiation shielding sliding door controller
	CCTV System
	Public Address System
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.4	Imag
	Intercom System
	Radiation Monitoring and Alarm System
	X-ray System Image Analysis Workstation
	Printer
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.5	X-ray
	Server
	Server rack
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.6	Drive
	CCTV System
	Intercom System
	Radiation Monitoring and Alarm System
	Speaker
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.7	Traini
	Projector screen (Screen size 106")
	Ceilling mounted projector
	X-ray System Training Workstation
	Radiation Monitoring and Alarm System
	UPS for workstations, equipment and system
	Training aids
	Printer
HY/2014/04.1.1.3.8	Section III - Cargo Examination Bu
322	Construction Works - Section III Complete
HY/2014/04.1.1.3.8.1.3.8.2	Outbound Cargo Examinatior
320	Cabling and cable containment
321	Installation of X-ray System Image Analysis Work
HY/2014/04.1.1.3.9	On-Site Testing & Commissioning
335	Operability Test
336	T&C Complete and Issurance of Certificate of Ac
345	Contruction Works Complete
HY/2014/04.1.1.3.9.1.3.10	Defect Liability Period for Con
359	Defect Liability Period
360	Submission of Warranty Completion Test Plan
361	Warranty Completion Test
362	DLP Complete and issuance of Defect Laibility C
363	Commencement of Maintenance Services
HY/2014/04.1.1.3.9.1.3.9.1	Integration Test
325	Submission of Integration Test Plan
326	Integration Test
327	Preparation, submission and acceptance of Integ
327.5	Complete Inegration Test (MS B.5 - 3 Mar 17)
HY/2014/04.1.1.3.9.1.3.9.2	Site Acceptance Test
329	Submission of SAT Plan



Actual Level of Effort | Remaining Work | ◆◆ Milestone
Actual Work | Critical Remaining Work | summary

TASK filter: All Activities

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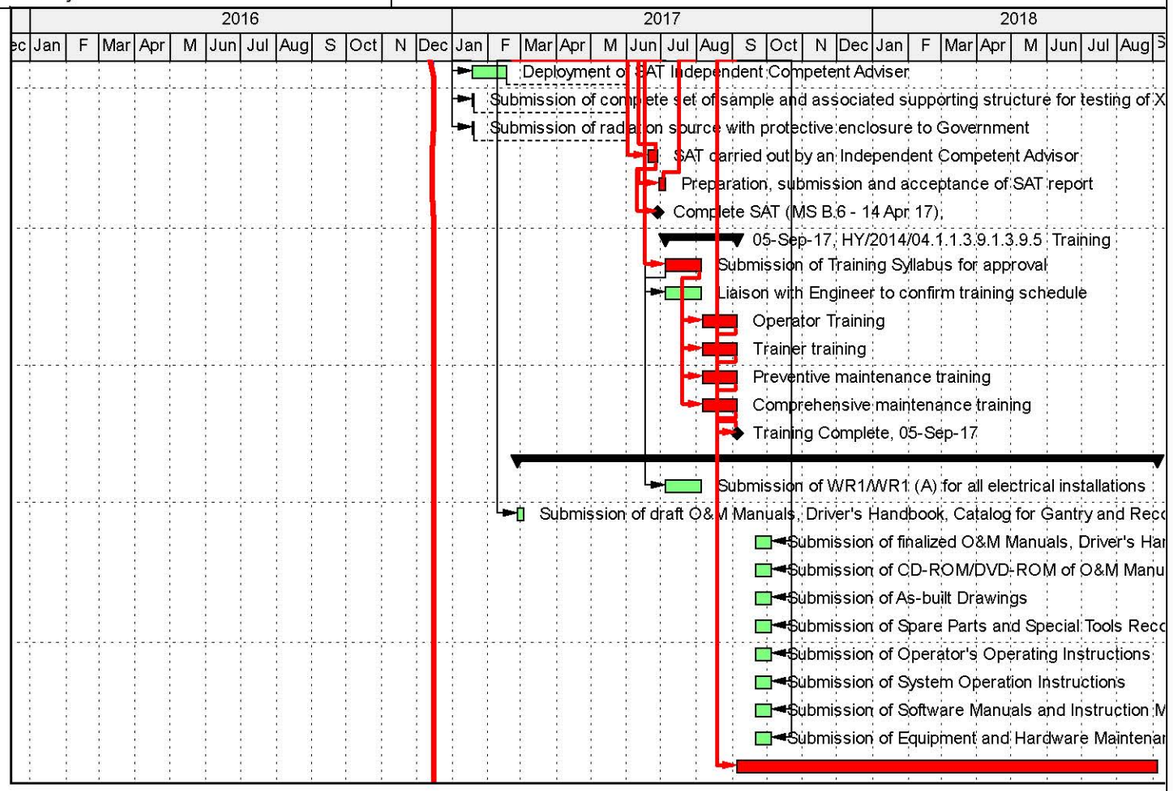
Activity ID	Activity Name
330	Deployment of SAT Independent Competent Advi
331	Submission of complete set of sample and assoc
332	Submission of radiation source with protective er
333	SAT carried out by an Independent Competent A
334	Preparation, submission and acceptance of SAT
334.5	Complete SAT (MS B.6 - 14 Apr 17)
HY/2014/04.1.1.3.9.1.3.9.5 Training	
338	Submission of Training Syllabus for approval
339	Liaison with Engineer to confirm training schedule
340	Operator Training
341	Trainer training
342	Preventive maintenance training
343	Comprehensive maintenance training
344	Training Complete
HY/2014/04.1.1.3.9.1.3.9.7 Other Documentation	
347	Submission of WR1/WR1 (A) for all electrical ins
348	Submission of draft O&M Manuals, Driver's Hanc
349	Submission of finalized O&M Manuals, Driver's H
350	Submission of CD-ROM/DVD-ROM of O&M Mar
351	Submission of As-built Drawings
352	Submission of Spare Parts and Special Tools Re
353	Submission of Operator's Operating Instructions
354	Submission of System Operation Instructions
355	Submission of Software Manuals and Instruction
356	Submission of Equipment and Hardware Mainten
357	Submission of Software License Installation Disk



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Actual Work | Critical Remaining Work | summary

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