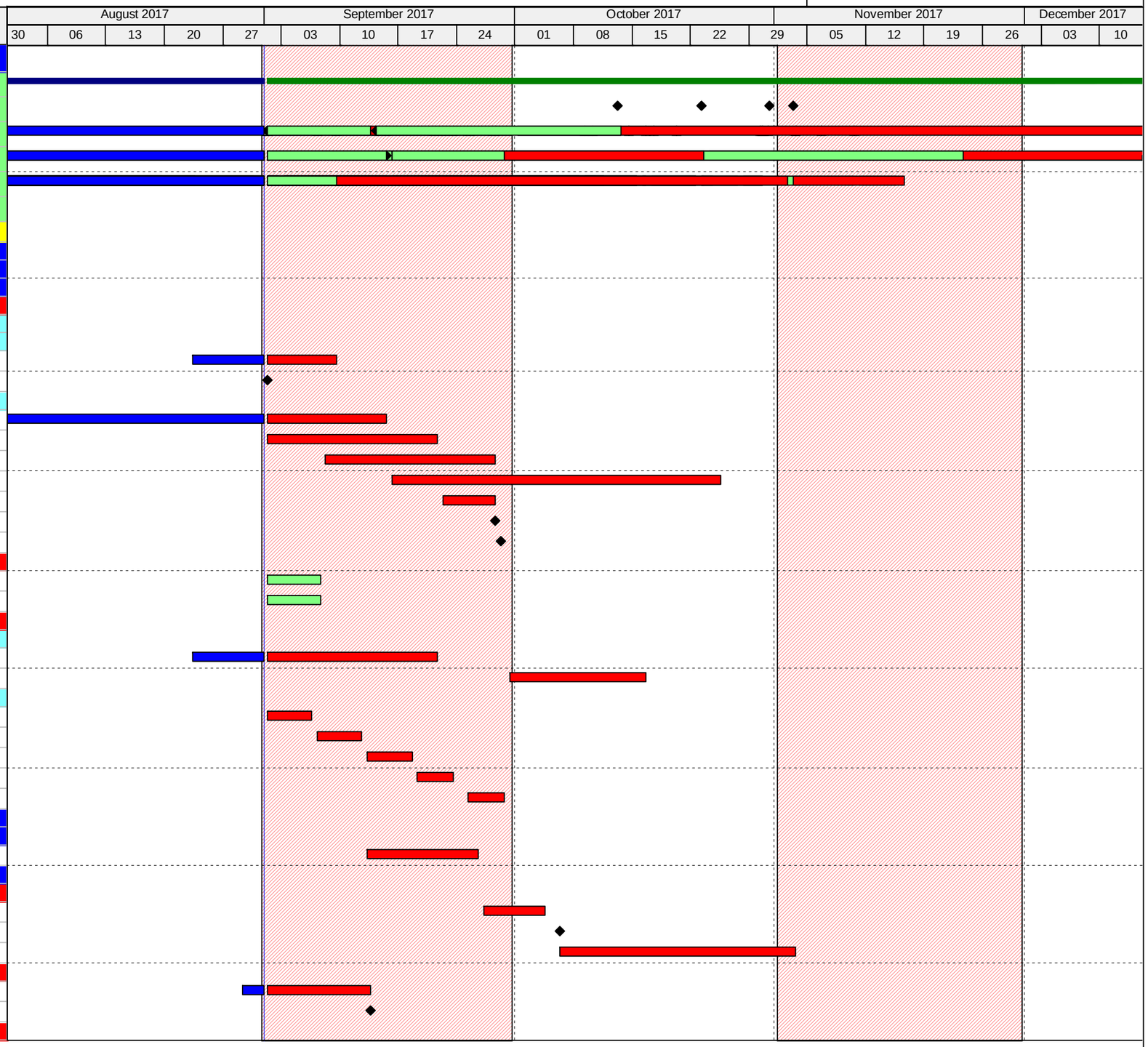
Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
RAB6 - Target Works Programme Statused 01 September 2	
PROGRAMME SUMMARY	
Fire Service Inspection Schedule Summary	
GENERAL/PRELIMINARIES	
DESIGN AND ENGINEERING	
PROCUREMENT, MANUFACTURING & DELIVERIES	
CONSTRUCTION	
Building 021 - C&ED Dangerous Goods Store	
Raft	
Structure	
ABWF/E&M	
Internal Finishes	
Degree 1	
Degree 2	
RAB-21-0450	021 - Louver & Door Frame
RAB-21-0410	021 - Power On
Degree 3	
RAB-21-0330	021 - MEP Final Fix
RAB-21-0460	021 - Floor Painting
RAB-21-0340	021 - Snagging and Remedials (Bldg. Internal)
RAB-21-0520	021 - MEP Balance of Works
RAB-21-0430	021 - Door Panel & Ironmongery
RAB-21-0345	KD4C - Projected achievement of Stage 4C of the Works
RAB-KD4C10	021 - End Users and MoM handover inspection
Roof Finishes	
RAB-21-0270	021 - Install Railing 50m
RAB-21-0280	021 - Install Cat Ladder and Roof Hatch
External Finishes	
Facade	
RAB-21-0190	021 - Install External Louvers /Windows/Doors
RAB-21-0320	021 - Snagging and Remedials (External)
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	
Testing & Commissioning	
RAB-TC21-1000	021 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
RAB-BEE-0100	021 - Registered Energy Assessor Inspection & Certification
RAB-BEE-0110	021 - Submit REA Certification to EDMS
RAB-BEE-0120	021 - EDMS Issue of Cert of Compliance Registration (COCR)
Dangerous Goods Licence	
RAB-21-0350	021 - DG Licence Iprocessing & Inspection
RAB-21-0360	021 - Issue DG Licence
Fire Servives Department (VAC)	



Remaining Level of Effort
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining ...
Finish Constraint

3-Month Rolling Programme Update, 01 Sep. 2017

RAB6			
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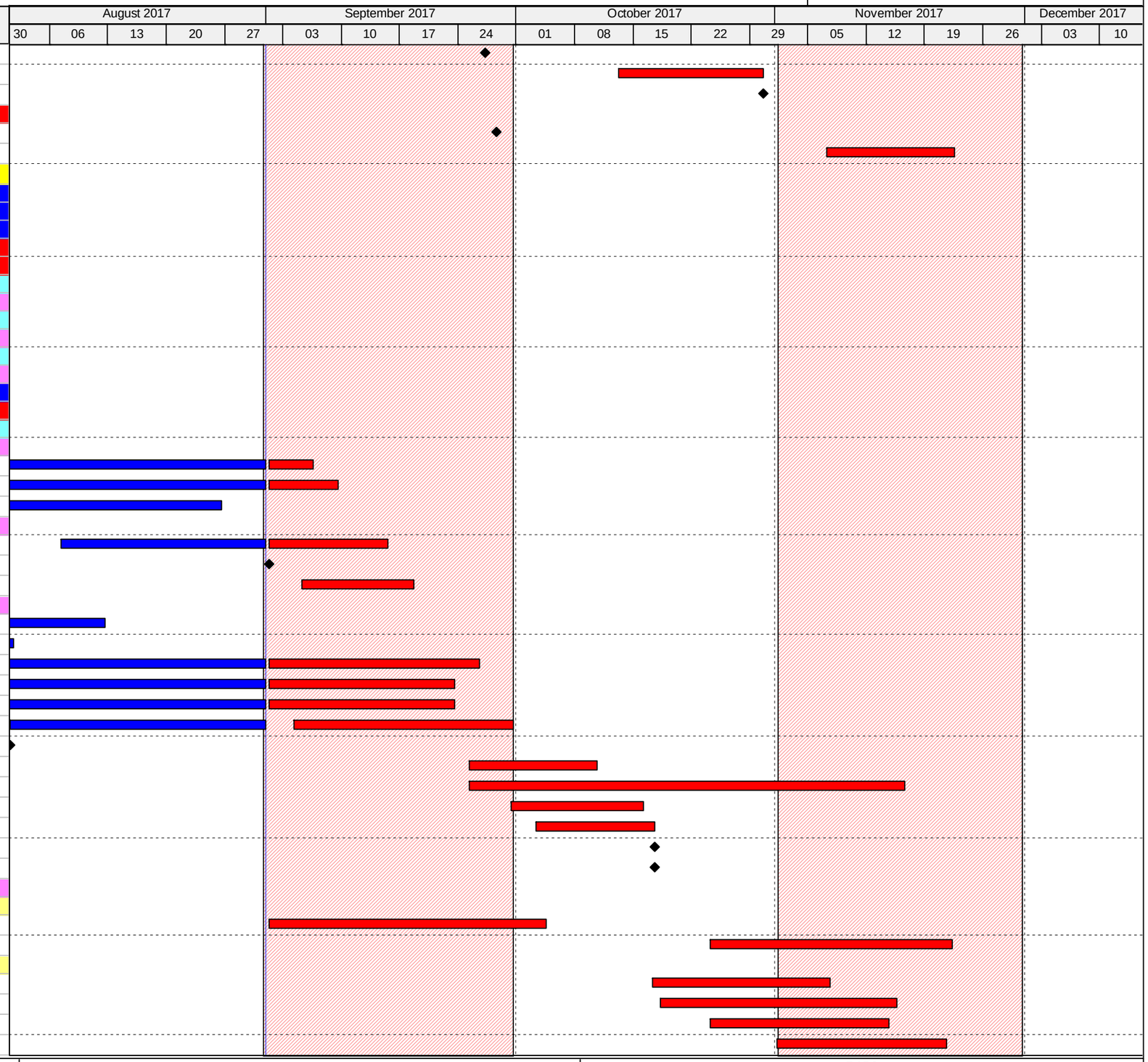
Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
RAB-FSD-820	021 - Submit Form 501 to FSD
RAB-FSD-300	021 - FSD Inspection Period
RAB-FSD-310	021 - Fire Certificate Obtained (Form 172) Handover
Engineer (AECOM)	
RAB-21-2190	021 - Submit As-Built Drawings to the Engineer
RAB-21-2200	021 - Engineer Inspection Period
Building 022 - Customs Detective Dog Base Building	
Excavation	
Raft Foundations	
Structure	
Walls & Columns	
Roof Slab	
North Structure	
Cure and Strip	
Middle Structure	
Cure and Strip	
South Structure	
Cure and Strip	
ABWF/E&M	
Internal Finishes	
North	
Degree 1	
RAB-22-8215	022 - Plastering/Rendering
RAB-22-8665	022 - Screeding
RAB-22-8285	022 - Undercoat
Degree 2	
RAB-22-0885	022 - Door Frame & Louvers
RAB-22-0910	022 - Power On
RAB-22-0855	022 - Frame for Wall Panel & Cladding
Degree 3	
RAB-22-8255	022 - Ceiling Finish Compl.
RAB-22-8535	022 - Floor Tiling + Floor Finishes (for Early Handover Rooms)
RAB-22-0865	022- Ceiling Frame
RAB-22-8395	022 - Wall Tiling & Painting
RAB-22-8275	022 - MEP Final Fix
RAB-22-8365	022 - Floor Finish Other Than Act. No. RAB-22-8535
RAB-22-8545	022 - Early Handover Rooms Ready for End Users***
RAB-22-8245	022 - Glazing
RAB-22-0870	022 - MEP Balance of Works
RAB-22-8295	022 - Snagging and Remedials (Bldg. Internal)
RAB-22-8265	022 - Door Panel & Ironmongery
RAB-22-0980	022 - End Users and MOM Handover Inspection
RAB-22-0950	022 - ABWF and MEP works to Degree 3 (KD5C)
External Finishes	
Facade	
RAB-22-0470	022 - External Painting, Tiling & Cladding
RAB-22-0710	Snag Listing - Bldg. External & External Works
At Grade	
RAB-22-2100	022 - Prepare Sub Grade
RAB-22-2170	022 - Landscaping for Outdoor Excise Lawn
RAB-22-2110	022 - Laying Geo Textile
RAB-22-2120	022 - Lay Granular Sub-Base



Remaining Level of Effort | Actual Work | Critical Remaining ...
Actual Level of Effort | Remaining Work | Finish Constraint

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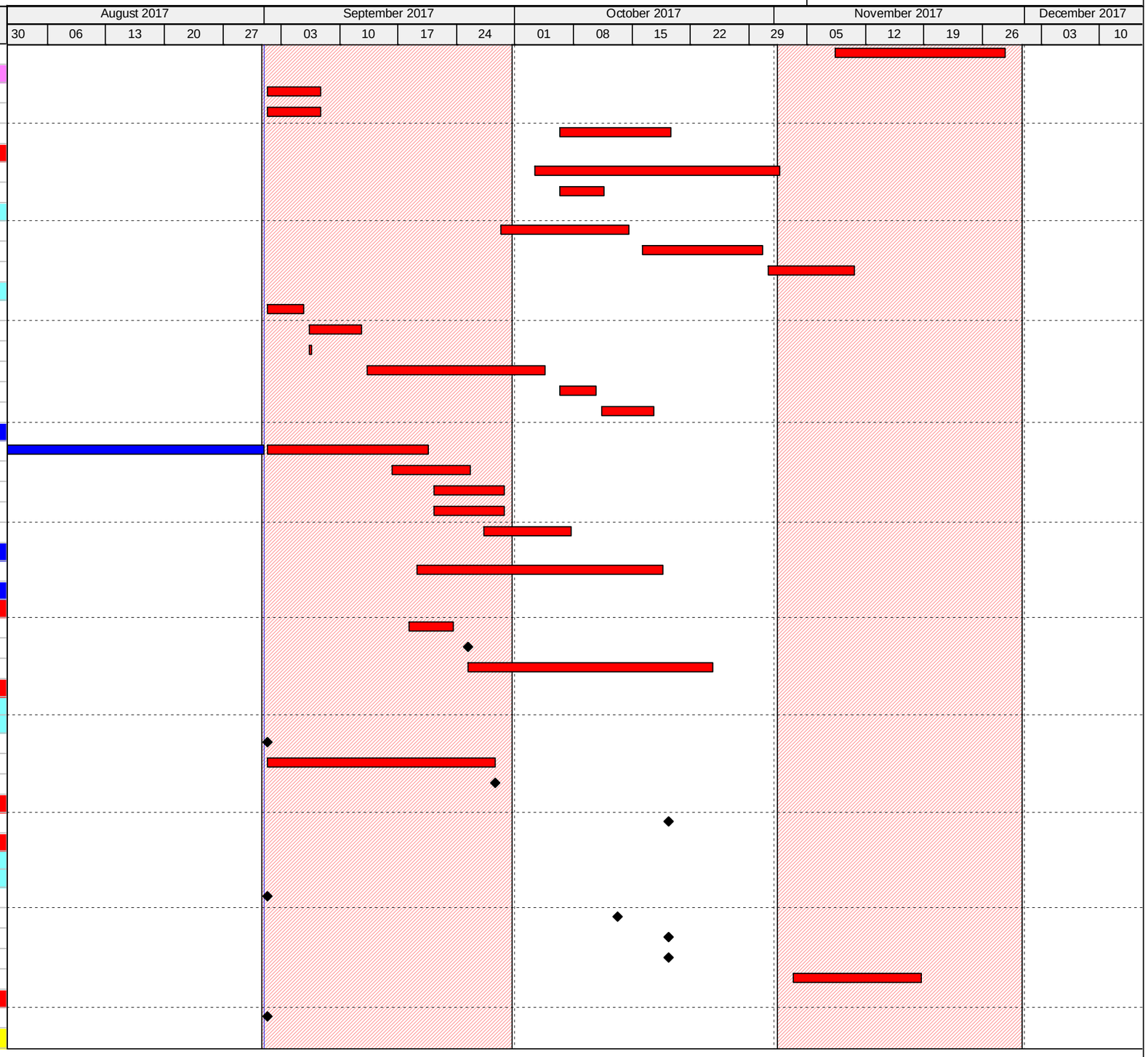
Activity ID	Activity Name
RAB-22-2130	022 - Laying Course
Roof Finishes - North	
RAB-22-0530	022 - Install Railing
RAB-22-0540	022 - Install Cat Ladder and Roof Hatch
RAB-22-0720	022 - Make good external surfaces
Specialist Installations	
RAB-22-0990	022 - Kennels Installation (42No)
RAB-22-0550	022 - Small Glass Canopy South Entrance
Window Wall	
RAB-22-7030	022 - Install Primary Steelwork for Window Wall
RAB-22-7040	022 - Install Secondary Steelwork for Window Wall
RAB-22-7050	022 - Glazing to Window Wall
Dog Swimming Pool	
RAB-22-0480	022 - Waterproofing
RAB-22-0600	022 - Tiling to Dog Swimming Pool
RAB-22-0490	022 - Backfill to ground level at 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
RAB-22-8135	022 - Install FS Water main
RAB-22-8115	022 - Install Flushing Water Mains
RAB-22-8105	022 - Install Fresh Water Mains
RAB-22-8125	022 - Utiltites and Common Telecom Ducting
Testing & Commissioning	
RAB-TC22-1000	022 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
RAB-BEE-120	022 - Registered Energy Assessor Inspection & Certification
RAB-BEE-130	022 - Submit REA Certification to EDMS
RAB-BEE-140	022 - EDMS Issue of Cert of Compliance Registration (COCR)
Water Supplies Department (WSD)	
Commencement	
Completion	
RAB-WSD-804	022 - Submit WWO 46 Pt. IV
RAB-WSD-254	022 - WSD's Processing/Inspection/Meter Connection
RAB-WSD-264	022 - Permanent Water ON/WSD Issue WWO 46 Part V Cert & Wa
Fire Servives Department (VAC)	
RAB-FSD-860	022 - Submit Form 501
Fire Services Water (FS)	
Commencement	
Completion	
RAB-FSD-895	022 - Submit WWO 46 Pt. IV, FS
RAB-FSD-984	022 - Submit WWO 46 Pt. V, FS
RAB-FSD-320	022 - Submit Form 501, FS
RAB-FSD-994	022 - Submit Form 314
RAB-FSD-330	022 - FSD Inspection Period, FS
Engineer (AECOM)	
RAB-22-2220	022 - Submit Building 022 As Built Drawings to Engineer
Building 023 - C&ED Outbound Cargo Examination Building and Examination Pl	



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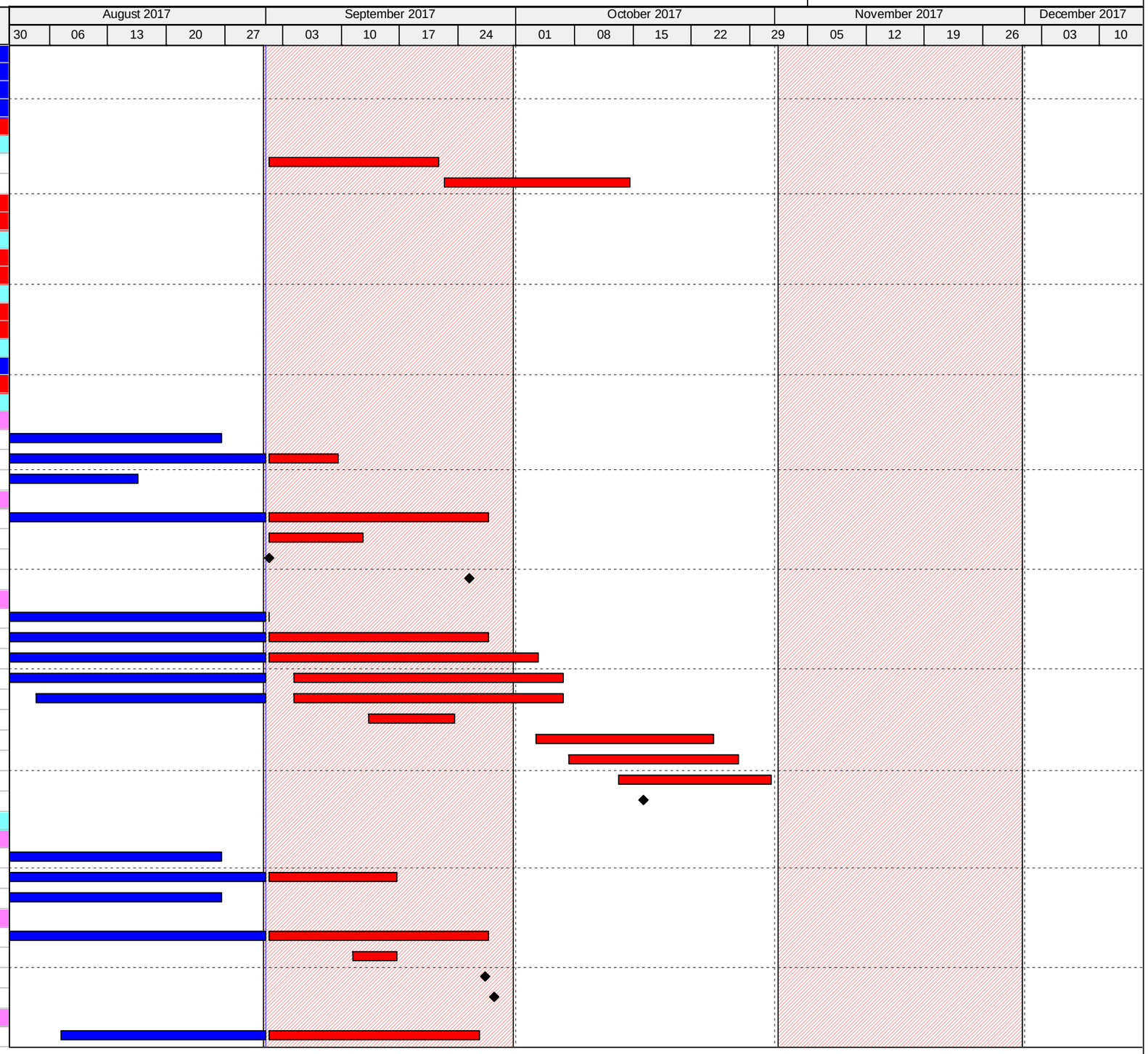
Activity ID	Activity Name
Excavation	
Raft Foundations - Inspection Platform	
Raft Foundations - Main Building	
Structure	
Ground Floor	
Planters	
RAB-23-6140	023 - Construct North Planter Box and Ramp
RAB-23-6230	023 - Construct South Planter Box and Ramp
Supporting Walls and Columns to +12.85mPD	
First Floor	
Cure and Strip	
Supporting Walls and Columns to +17.1mPD	
Roof	
Cure and Strip	
Supporting Walls and Columns to +19.1mPD	
Lift Doghouse	
Cure and Strip	
ABWF/E&M	
Internal Finishes	
Ground Floor	
Degree 1	
RAB-23-5420	023 - Construct Blockwork Walls to G/F
RAB-23-5430	023 - Plastering & Undercoat, G/F
023 -23-5430	023 - Screeding, G/F
Degree 2	
RAB-23-5860	023 - MEP 2nd Fix, G/F
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-23-5790	023 - ABWF and MEP works to Degree 2 for others (KD3B) G/F
Degree 3	
RAB-23-6320	023 - Ceiling Paint Finish, G/F
RAB-23-5930	023 - Wall Finish - Paint & Tile, G/F
RAB-23-6220	023 - Floor Finish Other Than Carpet, G/F
RAB-23-5760	023 - Ceiling Frame, G/F
RAB-23-6380	023 - MEP Final Fix, G/F
RAB-23-6080	023 - Glazing, G/F
RAB-23-6410	023 - Ceiling Plaster Board, G/F
RAB-23-5660	023 - Door Frame/Panel & Ironmongery, G/F
RAB-23-6180	023 - Floor Carpet Finish, G/F
RAB-23-6190	023 - Access to End Users, KD3C' - C3, C6 & C7
First Floor	
Degree 1	
RAB-23-8055	023 - Construct Blockwork Walls, G/F - 1/F North (932m³), 1/F
RAB-23-8065	023 - Plastering & Undercoat, 1/F
RAB-23-8215	023 - Screeding, 1/F
Degree 2	
RAB-23-8125	023 - MEP 2nd Fix, 1/F
RAB-23-8085	023 - Frame for Wall Panel & Cladding + Louver, 1/F
RAB-23-8235	023 - Power On
RAB-23-8115	023 - Access for C3 for Equip. Instln***, 1/F, KD3D Target to Achieve
Degree 3	
RAB-23-8135	023 - Ceiling Paint Finish, 1/F



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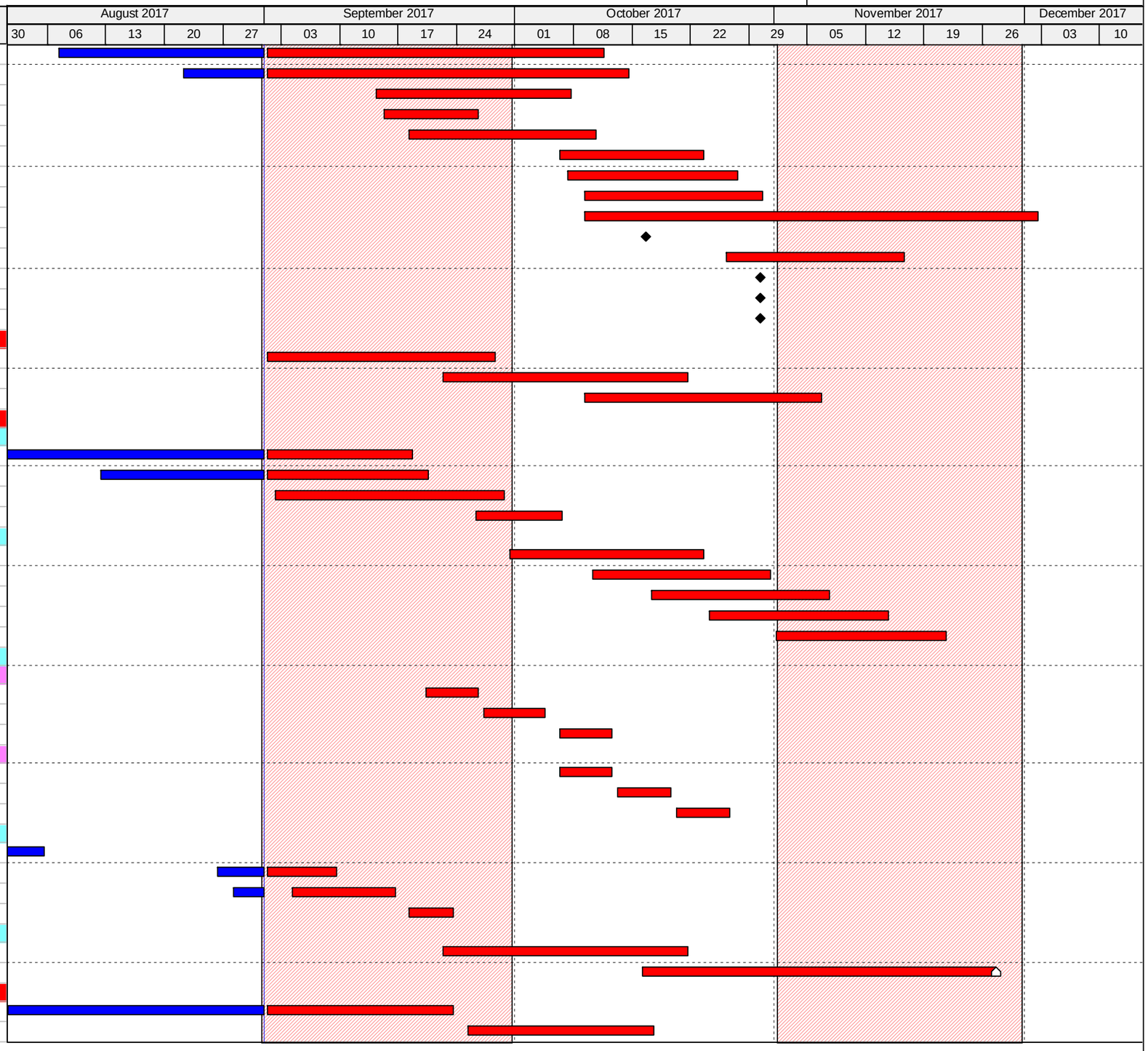
Activity ID	Activity Name
RAB-23-8175	023 - Wall Finish - Paint & Tile, 1/F
RAB-23-8205	023 - Floor Finish Other Than Carpet, 1/F
RAB-23-8165	023 - MEP Final Fix, 1/F
RAB-23-8145	023 - Glazing, 1/F
RAB-23-8105	023 - Ceiling Frame, 1/F
RAB-23-8195	023 - Floor Carpet Finish, 1/F
RAB-23-8185	023 - Ceiling Plaster Board, 1/F
RAB-23-8155	023 - Door Panel/Ironmongery & Glass Baluster, 1/F
RAB-23-8265	023 - MEP Balance of Works
RAB-23-5970	023 - ABWF and MEP works to Degree 3 (KD3E)
RAB-23-2290	023 - Snag Listing & Remedial Works - Building Internal
RAB-23-6040	023 - End Users and MOM Handover Inspection
RAB-23-8225	023 - Handover Rooms Ready to End Users***, KD3C Target to Ach
RAB-23-8255	023 - ABWF and MEP works to Degree 3 - Remaining Area- 1/F
Roof Level Dog House	
RAB-23-6150	023 - ABWF and MEP works to Degree 1 R/F
RAB-23-6280	023 - ABWF and MEP works to Degree 2 R/F
RAB-23-6340	023 - ABWF and MEP works to Degree 3 R/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
RAB-23-5820	023 - Laying Geo Textile
RAB-23-5910	023 - Lay Granular Sub-Base
RAB-23-5940	023 - Laying Course
RAB-23-6050	023 - Concrete Block Paving
Window Wall	
East	
RAB-23-6810	023 - Install Primary Steelwork for Window Wall - E
RAB-23-6820	023 - Install Secondary Steelwork for Window Wall - E
RAB-23-6830	023 - Glazing to Window Wall - E
West	
RAB-23-6840	023 - Install Primary Steelwork for Window Wall - W
RAB-23-6850	023 - Install Secondary Steelwork for Window Wall - W
RAB-23-6860	023 - Glazing to Window Wall - W
Roof Finishes	
RAB-23-5550	023 - Waterproof membrane
RAB-23-5620	023 - Top Screed
RAB-23-5640	023 - Roof Tiling
RAB-23-5920	023 - Install Railing
Green Roof	
RAB-23-5720	023 - Install green Roof Irrigation Systems
RAB-23-5900	023 - Complete Green Roofing Works
Specialist Installations	
RAB-23-6270	023 - Install Lift (1 nos)
RAB-23-6010	023 - Installation of Roller Shutter Header Boxes (x 3)



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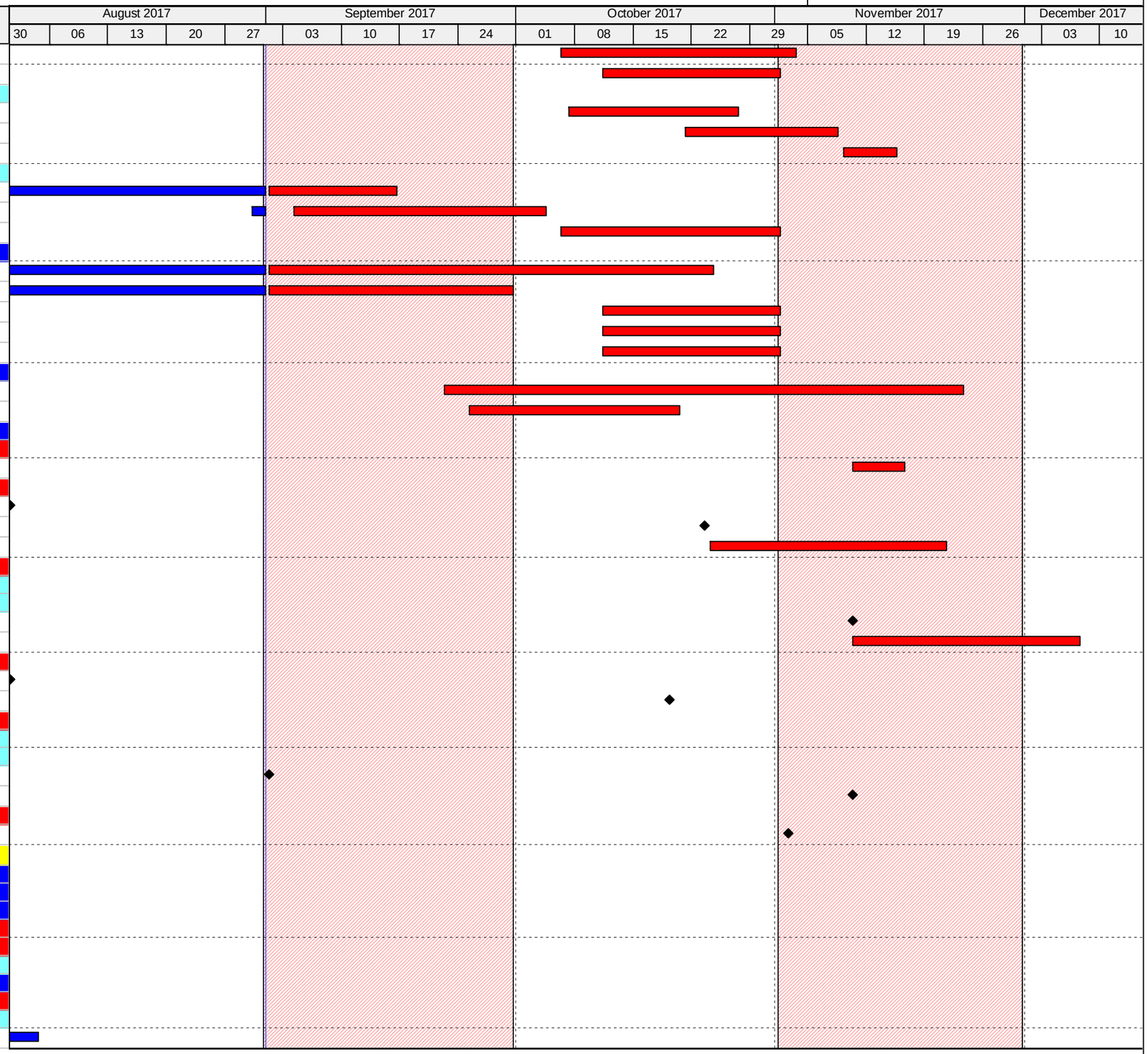
Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
RAB-23-7310	023 - Install Glazed Entrace Canopy
RAB-23-6250	023 - Installation of Roller Shutter Curtain (x3)
PV Installation	
RAB-23-6350	023 - Install Supporting Frame and PV panel
RAB-23-6360	023 - Cable containment and grid cable wiring
RAB-23-6390	023 - Sub-array junction box installation & Connection
Steel Canopy	
RAB-23-6240	023 - Install Secondary Steelwork
RAB-23-6290	023 - Install Metal Cladding Panels
RAB-23-6310	023 - Install Misc Metalworks
Utilities and Drainage	
RAB-23-7975	023 - Construct Permanent Drainage, Manholes & Draw Pits
RAB-23-7985	023 - Utiltites and Common Telecom Ducting
RAB-23-7995	023 - Install Flushing Water Mains
RAB-23-8005	023 - Install Fresh Water Mains
RAB-23-8015	023 - Install FS Water Mains
Testing & Commissioning	
RAB-TC23-1000	023 - T&C (HVAC, FS, P&D, OTHERS)
RAB-TC23-1010	023 - T&C (Lift)
Statutory Submissions & Approvals (Day 610 Completion)	
BBEO	
RAB-BEE-150	023 - Registered Energy Assessor Inspection & Certification
EMSD - Building 023 Lift Inspection	
RAB-FSD-170	023 - Submit EMSD Form 3 (Commencement of Lift Installation)
RAB-FSD-180	023 - Submit EMSD Form 5 (Completion of Lift Installation)
RAB-FSD-190	023 - EMSD Lift Inspection
Water Supplies Department (WSD)	
Commencement	
Completion	
RAB-WSD-774	023 - Submit WWO 46 Pt. IV for Building 023
RAB-WSD-107	023 - WSD Inspection/Meter Connection
Fire Servives Department (VAC)	
RAB-FSD-890	023 - Submit Form 314
RAB-FSD-900	023 - Submit Form 501
Fire Services Department (FSD)	
Commencement	
Completion	
RAB-FSD-108	023 - Submit WWO 46 Pt. IV for Building 023
RAB-FSD-112	023 -Issue WWO 46 Part V
Engineer (AECOM)	
RAB-23-2250	023 - Submit Building 023 As Built Drawings to Engineer
Building 025 - Inbound Private Car Annexure	
Excavation	
Raft Foundations	
Structure	
Walls & Columns	
Roof Slab	
Cure and Strip	
ABWF/E&M INTERNAL FINISHES	
INTERNAL FINISHING WORKS	
Degree 1	
RAB-25-7400	025 - MEP 1st Fix



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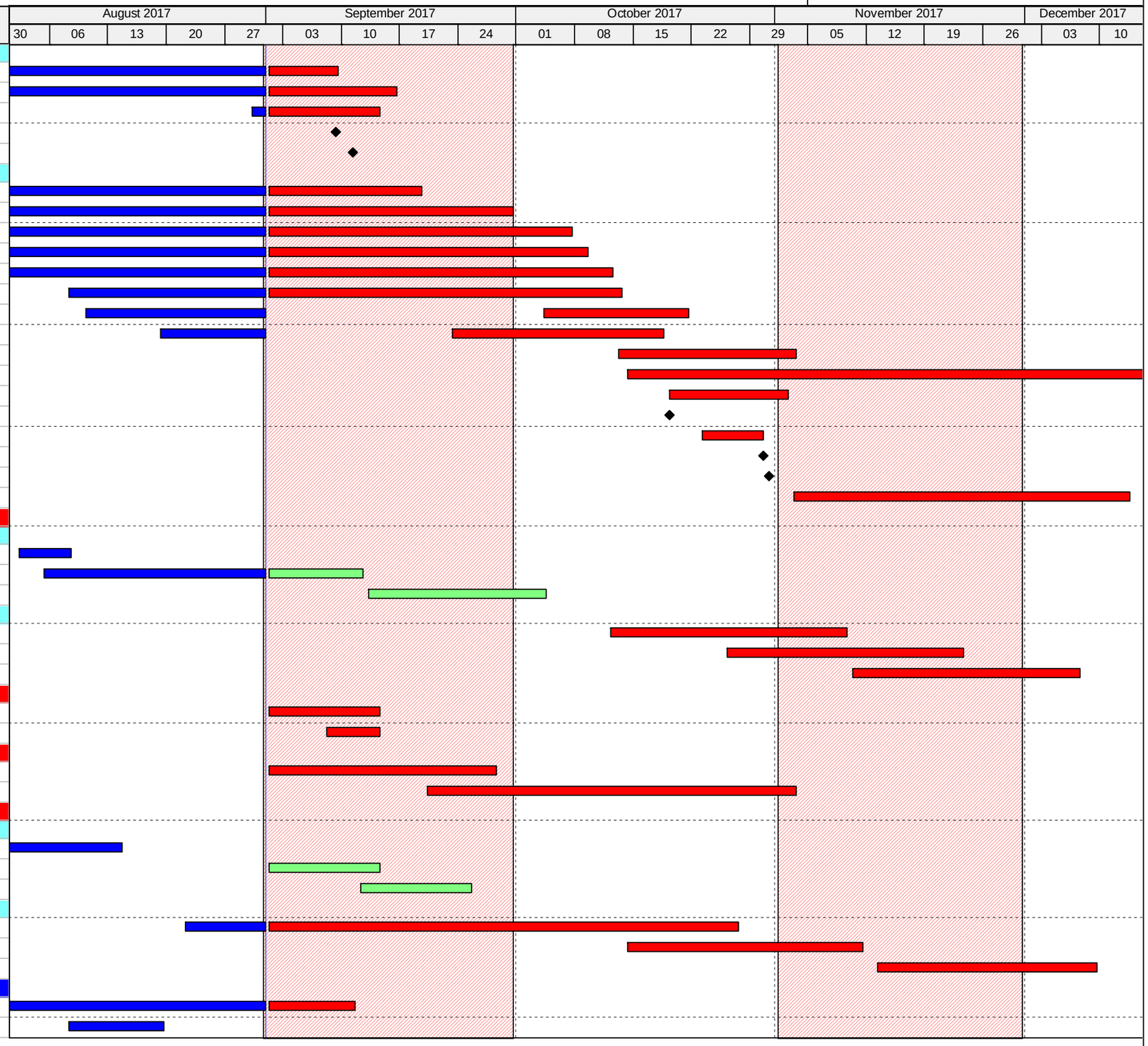
Activity ID	Activity Name
Degree 2	
RAB-25-7430	025 - MEP 2nd Fix
RAB-25-7570	025 - Raised Floor Pedestal
RAB-25-7450	025 - Frame for Wall Panel & Cladding
RAB-25-7560	025 - Access C3, C6 & C7 Equip. Installation***
RAB-25-7350	025 - Power On Available
Degree 3	
RAB-25-7470	025 - Ceiling Painting & Ceiling Sub-Frame
RAB-25-7620	025 - Ceiling Panel
RAB-25-7600	025 - Wall Paint Finish Coat
RAB-25-7610	025 - Wall Tiling
RAB-25-7480	025 - Floor Tiling
RAB-25-7460	025 - MEP Final Fix
RAB-25-7440	025 - Door Frame/Wall Panel
RAB-25-7580	025 - Floor Painting
RAB-25-7370	025 - Snagging and Remedials
RAB-25-7550	025 - MEP Balance of Works
RAB-25-7520	025 - Glazing
RAB-25-7630	025 - Early Handover Rooms Ready to End Users***, Target to Achie
RAB-25-7590	025 - Floor Carpet
RAB-25-7375	KD6C - Projected achievement of Stage 6C of the Works
RAB-KD6C10	025 - End Users and MoM handover inspection
RAB-25-7510	025 - Plaster Board
External Finishes	
Facade	
RAB-25-0570	025 - Dismantle Scaffolding
RAB-25-0360	025 - Install External Louvers /Windows/Doors
RAB-25-0580	025 - Make good external surfaces
At Grade	
RAB-25-6400	025 - Prepare Sub Grade
RAB-25-6390	025 - Laying Geo Textile
RAB-25-6410	025 - Lay Granular Sub-Base
Roof Finishes	
RAB-25-0550	025 - Install Railing (222m)
RAB-25-0540	025 - Install Cat Ladders and Roof Hatch
Green Roof	
RAB-25-0700	025 - Install Green Roof Irrigation Systems
RAB-25-0710	025 - Complete Green Roof Works
Specialist Installations	
Glazed Canopy	
RAB-25-0490	025 - Install Primary Steelwork
RAB-25-0500	025 - Install Secondary Steelwork
RAB-25-0520	025 - Install Glazed Panels
IMMD Kiosk	
RAB-25-0380	025 - Internal ABWF and MEP of IMMD Kiosk
RAB-25-0350	025 - External Finishes to IMMD Kiosk
RAB-25-0430	025 - Erect Kiosk Canopy @ +10.17mPD
Utilities and Drainage	
RAB-25-7250	025 - Construct Permanent Drainage, Manholes & Draw Pits
RAB-25-7260	025 - Utiltites and Common Telecom Ducting



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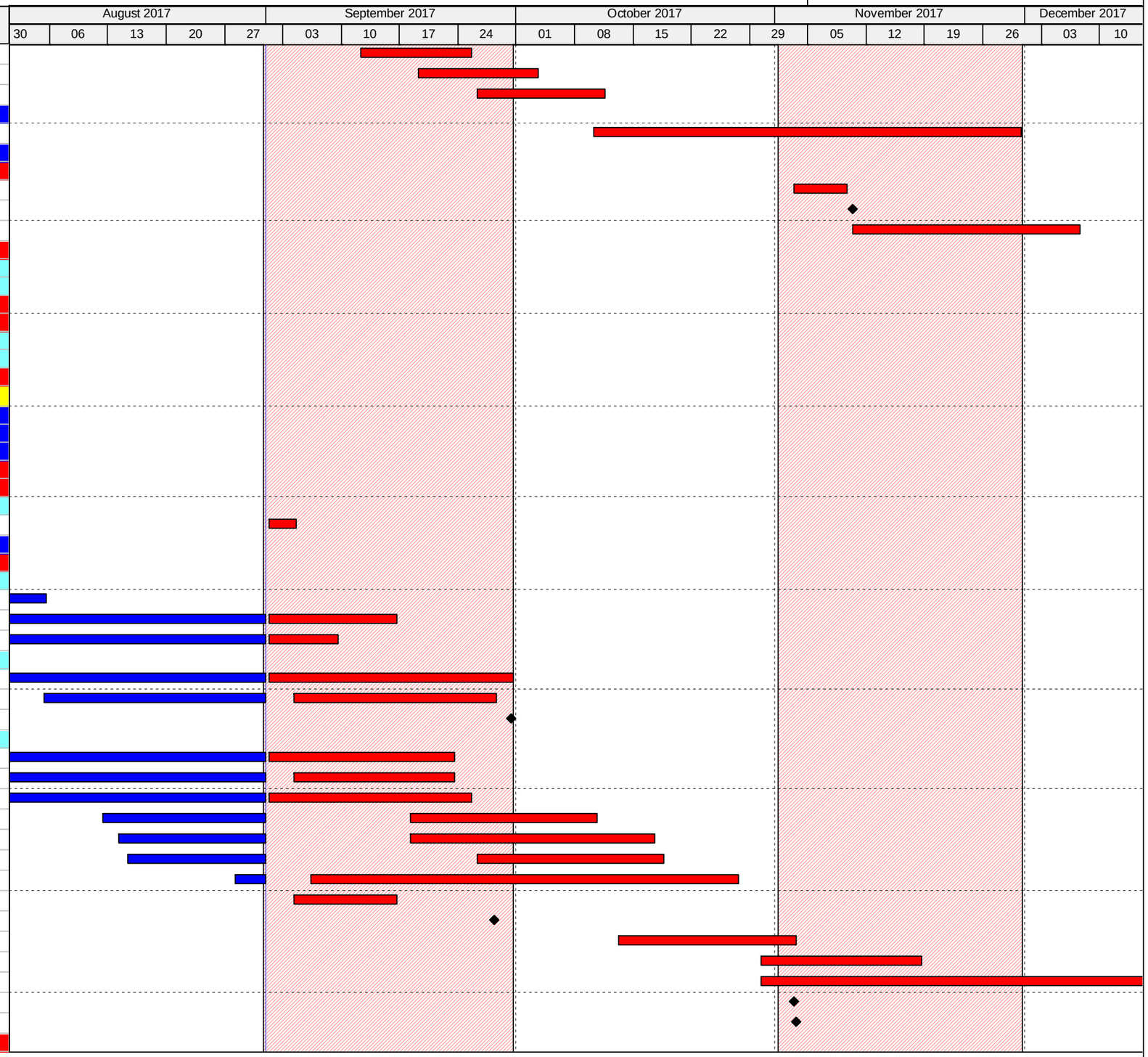
Activity ID	Activity Name
RAB-25-7290	025 - Install FS Water Main
RAB-25-7280	025 - Install Fresh Water Mains
RAB-25-7270	025 - Install Flushing Water Mains
Testing & Commissioning	
RAB-TC25-1000	025 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
RAB-BEE-180	025 - Registered Energy Assessor Inspection & Certification
RAB-BEE-190	025 - Submit REA Certification to EDMS
RAB-BEE-200	025 - EDMS Issue of Cert of Compliance Registration (COCR)
Water Supplies Department (WSD)	
Commencement	
Completion	
Fire Servives Department (VAC)	
Fire Service Water (FS)	
Commencement	
Completion	
Engineer (AECOM)	
Building 032 - Outbound Private Car Annexure	
Excavation	
Raft Foundations	
Structure	
Walls & Columns	
Roof Slab	
Cure and Strip	
RAB-32-0690	032 - Cure and Strip False/Formwork, Water Tank
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-32-0720	032 - Plastering & Undercoat
RAB-32-0700	032 - Floor Screed
RAB-32-0510	032 - MEP 1st Fix
Degree 2	
RAB-32-0560	032 - MEP 2nd Fix
RAB-32-0760	032 - Door & Windor Frame + Louver
RAB-32-0660	032 - Power On
Degree 3	
RAB-32-0830	032 - Wall Painting
RAB-32-0750	032 - Ceiling Frame
RAB-32-0745	032 - Raised Floor
RAB-32-0880	032 - Wall Tiling
RAB-32-0870	032 - Ceiling Panel
RAB-32-0860	032 - Floor Painting & Remaining Floor Tiling
RAB-32-0590	032 - MEP Final Fix
RAB-32-0790	032 - Glazing
RAB-32-0850	032 - Early Handover Rooms Ready to End Users***
RAB-32-0800	032 - Door Panel & Ironmongery
RAB-32-0680	32 - Snagging and Remedials
RAB-32-0740	032 - MEP Balance of Work
RAB-32-0670	032 - End Users and MoM handover inspection
RAB-KD7C10	KD7C - Projected achievement of Stage 7C of the Works
Roof Finishes	



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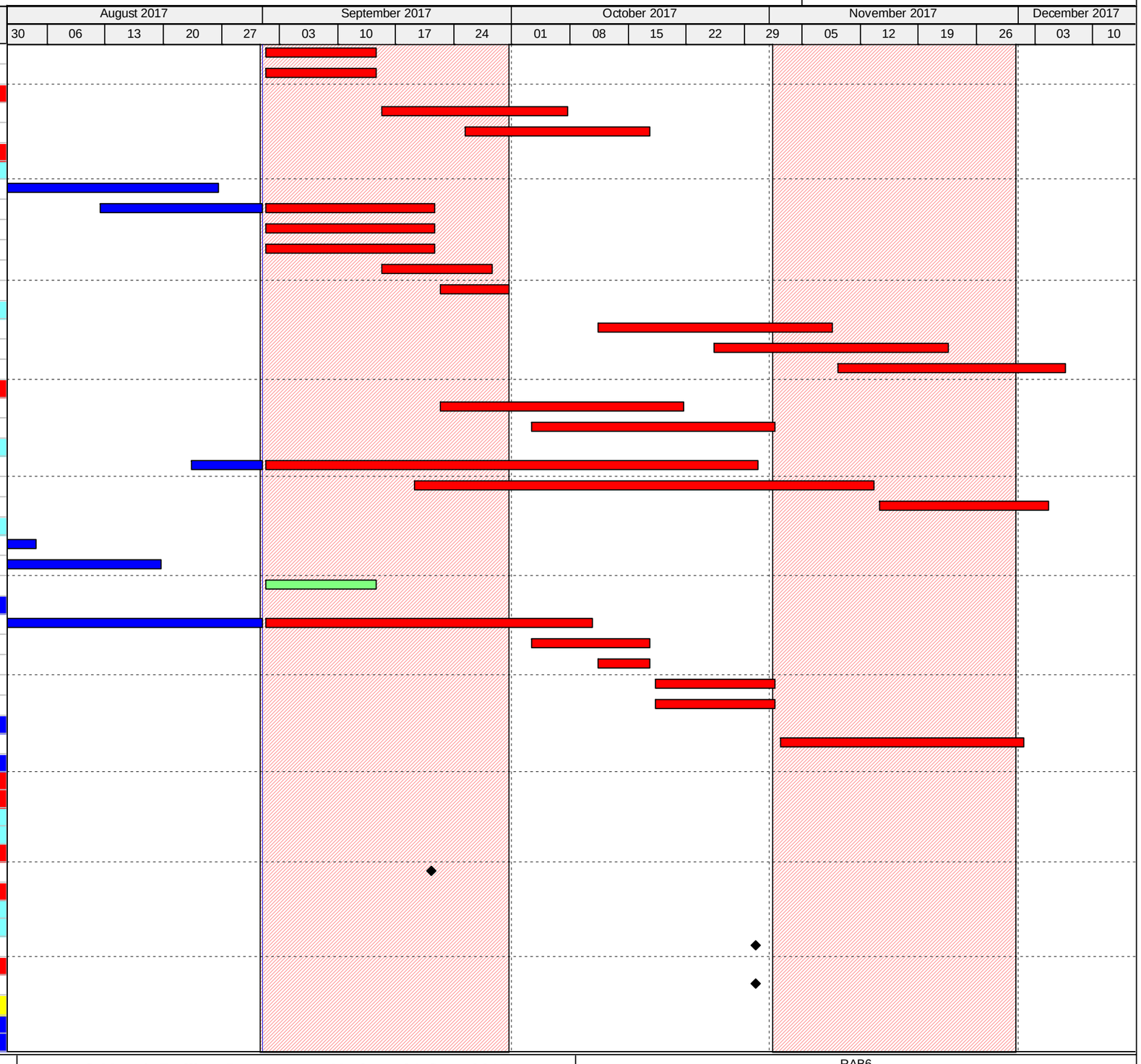
Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
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
RAB-32-0650	032 - Complete Green Roof Works
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-32-0580	032 - Make good external surfaces
RAB-32-0570	032 - Dismantle Scaffolding
At Grade	
RAB-32-6460	032 - Prepare Sub Grade
RAB-32-6450	032 - Laying Geo Textile
RAB-32-6470	032 - Lay Granular Sub-Base
Specialist Installations	
RAB-32-630	032 - Construct Immigration Counters x 3
RAB-32-640	032 - Construct Health Department Screening Station X 1
IMMD Kiosk	
RAB-32-0380	032 - Internal ABWF and MEP of IMMD Kiosk
RAB-32-0350	032 - External Finishes to IMMD Kiosk
RAB-32-0430	032 - Erect Kiosk Canopy @ +10.17mPD
Glazed Canopy	
RAB-32-0480	032 - Install Steel Support Columns (14 No)
RAB-32-0490	032 - Install Primary Steelwork
RAB-32-0500	032 - Install Secondary Steelwork
Utilities and Drainage	
RAB-32-7290	032 - Construct Permanent Drainage and Manholes (Approx 150m)
RAB-32-7330	032 - Install FS Water Main
RAB-32-7300	032 - Utiltites and Common Telecom Ducting
RAB-32-7310	032 - Install Flushing Water Mains
RAB-32-7320	032 - Install Fresh Water Mains
Testing & Commissioning	
RAB-TC32-1000	032 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
Water Supplies Department (WSD)	
Commencement	
Completion	
Fire Servives Department (HVAC)	
RAB-FSD-960	032 - Submit Form 314, HVAC
Fire Water Service (FS)	
Commencement	
Completion	
RAB-FSD-380	032 - Submit WWO 46 Pt. IV, FS
Engineer (AECOM)	
RAB-32-7250	032 - Submit Building 032 As Built Drawings to Engineer
Building 044 - E&M Maintenance Building	
Excavation	
Raft	



Remaining Level of Effort | Actual Work | Critical Remaining ...
Actual Level of Effort | Remaining Work | Finish Constraint

3-Month Rolling Programme Update, 01 Sep. 2017

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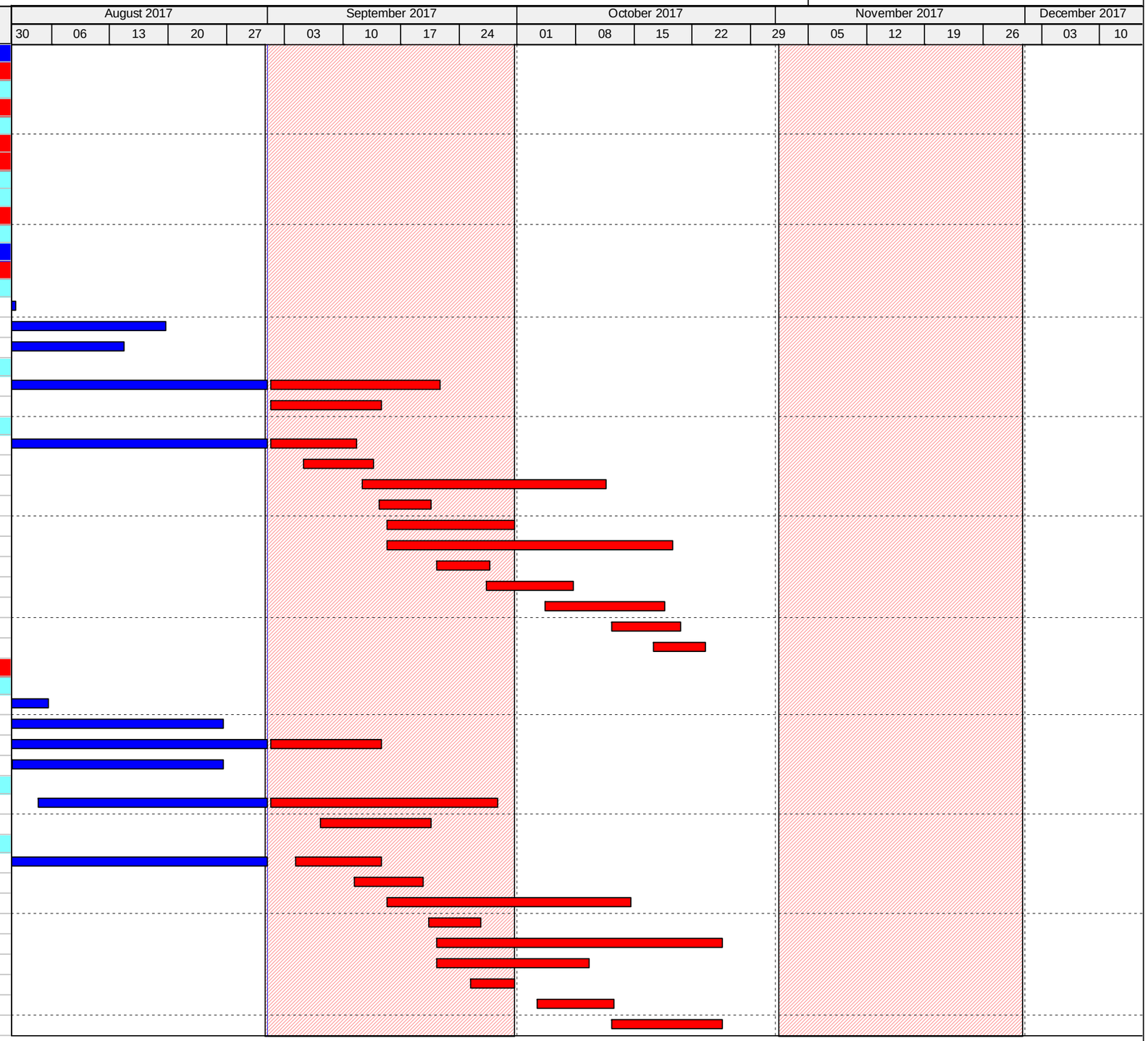
Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
Structure	
Walls & Columns	
Ground to First Floor	
First Floor	
Cure and Strip	
First Floor to Second Floor	
Second Floor	
Cure and Strip	
Second Floor to Roof	
Roof Level	
Cure and Strip	
ABWF/E&M	
Ground Floor	
Degree 1	
RAB-44-1180	044 - Plastering & Undercoat - G/F
RAB-44-1185	044 - MEP 1st Fix - 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
RAB-44-9255	044 - Ceiling Paint - G/F
RAB-44-9235	044 - Ceiling Panel Frame - G/F
RAB-44-9245	044 - Ceiling Plaster Board Frame
RAB-44-9265	044 - Floor Tilie Finish - G/F
RAB-44-9295	044 - Door Panel & Ironmongery - G/F
RAB-44-9395	044 - Ceiling Plaster Board
RAB-44-9185	044 - MEP Final Fix - G/F
RAB-44-9345	044 - Ceiling Panel - G/F
RAB-44-9275	044 - Glazing - G/F
RAB-44-9355	044 - Floor Paint Finish - G/F
First Floor	
Degree 1	
RAB-44-9315	044 - Construct Blockwork Walls - 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
Degree 3	
RAB-44-9555	044 - Wall Finish, Paint & Tile - 1/F
RAB-44-9465	044 - Ceiling Paint Finish - 1/F
RAB-44-9385	044 - Ceiling Panel Frame - 1/F
RAB-44-9695	044 - Ceiling Plaster Board Frame
RAB-44-9505	044 - Door Panel & Ironmongery - 1/F
RAB-44-9565	044 - Floor Tile Finish - 1/F
RAB-44-9705	044 - Ceiling Plaster Board
RAB-44-9375	044 - MEP Final Fix - 1/F
RAB-44-9495	044 - Ceiling Panel - 1/F



Remaining Level of Effort | Actual Work | Critical Remaining ...
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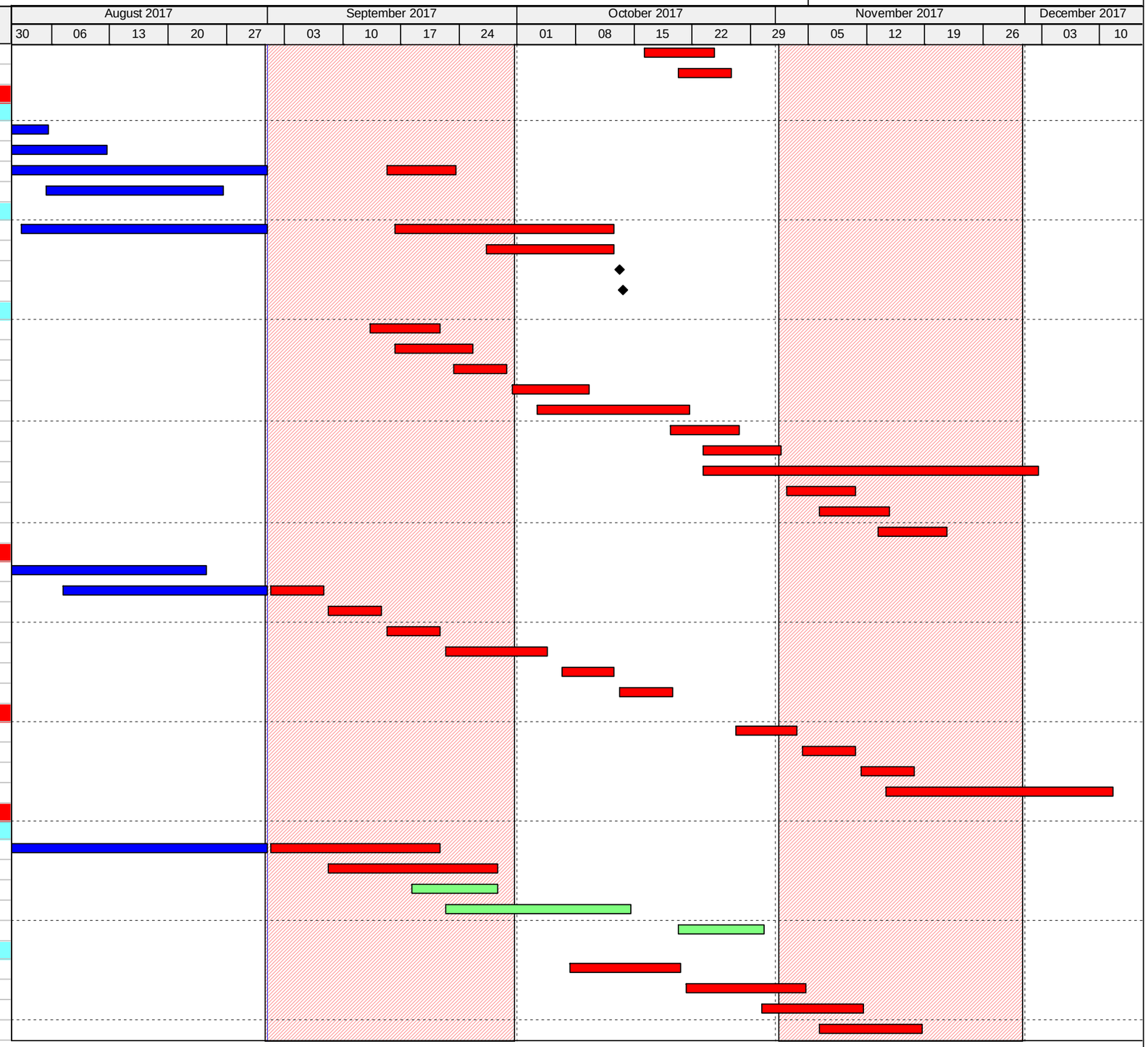
Activity ID	Activity Name
RAB-44-9485	044 - Glazing - 1/F
RAB-44-9475	044 - Floor Paint Finish - 1/F
Second Floor	
Degree 1	
RAB-44-9525	044 - Construct Blockwork Walls - 2/F
RAB-44-9545	044 - Plastering & Undercoat - 2/F
RAB-44-9515	044 - MEP 1st Fix - 2/F
RAB-44-9535	044 - Screed - 2/F
Degree 2	
RAB-44-9575	044 - MEP 2nd Fix - 2/F
RAB-44-9665	044 - Door & Windor Frame + Louver - 2/F
RAB-44-9605	044 - Power On - 2/F
RAB-44-0610	KD8B - Projected achievement of Stage 8B of the Works - 2/F
Degree 3	
RAB-44-9595	044 - Wall Finish, Paint & Tile - 2/F
RAB-44-9635	044 - Ceiling Paint Finish - 2/F
RAB-44-9725	044 - Ceiling Plaster Board Frame - 2/F
RAB-44-9735	044 - Ceiling Plaster Board
RAB-44-9585	044 - MEP Final Fix - 2/F
RAB-44-9675	044 - Glazing - 2/F
RAB-44-9715	044 - Door Panel & Ironmongery - 2/F
RAB-44-9795	044 - MEP Balance of Works
RAB-44-9685	044 - Floor Tile Finish & Floor Finish to Early handover Rooms - 2/F
RAB-44-9645	044 - Ceiling Panel Frame - 2/F
RAB-44-9745	044 - Ceiling Panel - 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)
RAB-44-0540	044 - Install Railing
RAB-44-0550	044 - Install Cat Ladder and Roof Hatch
Green Roof	
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
External Finishes	
Facade	
RAB-44-0470	044 - External Render
RAB-44-0530	044 - External Painting
RAB-44-0490	044 - External Tiling
RAB-44-0430	044 - Install External Louvers /Windows/Doors
RAB-44-0570	044 - Dismantle Scaffolding
At Grade	
RAB-44-6520	044 - Prepare Sub Grade
RAB-44-6510	044 - Laying Geo Textile
RAB-44-6530	044 - Lay Granular Sub-Base
RAB-44-6540	044 - Laying Course



Remaining Level of Effort
Actual Work
Critical Remaining ...
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Finish Constraint

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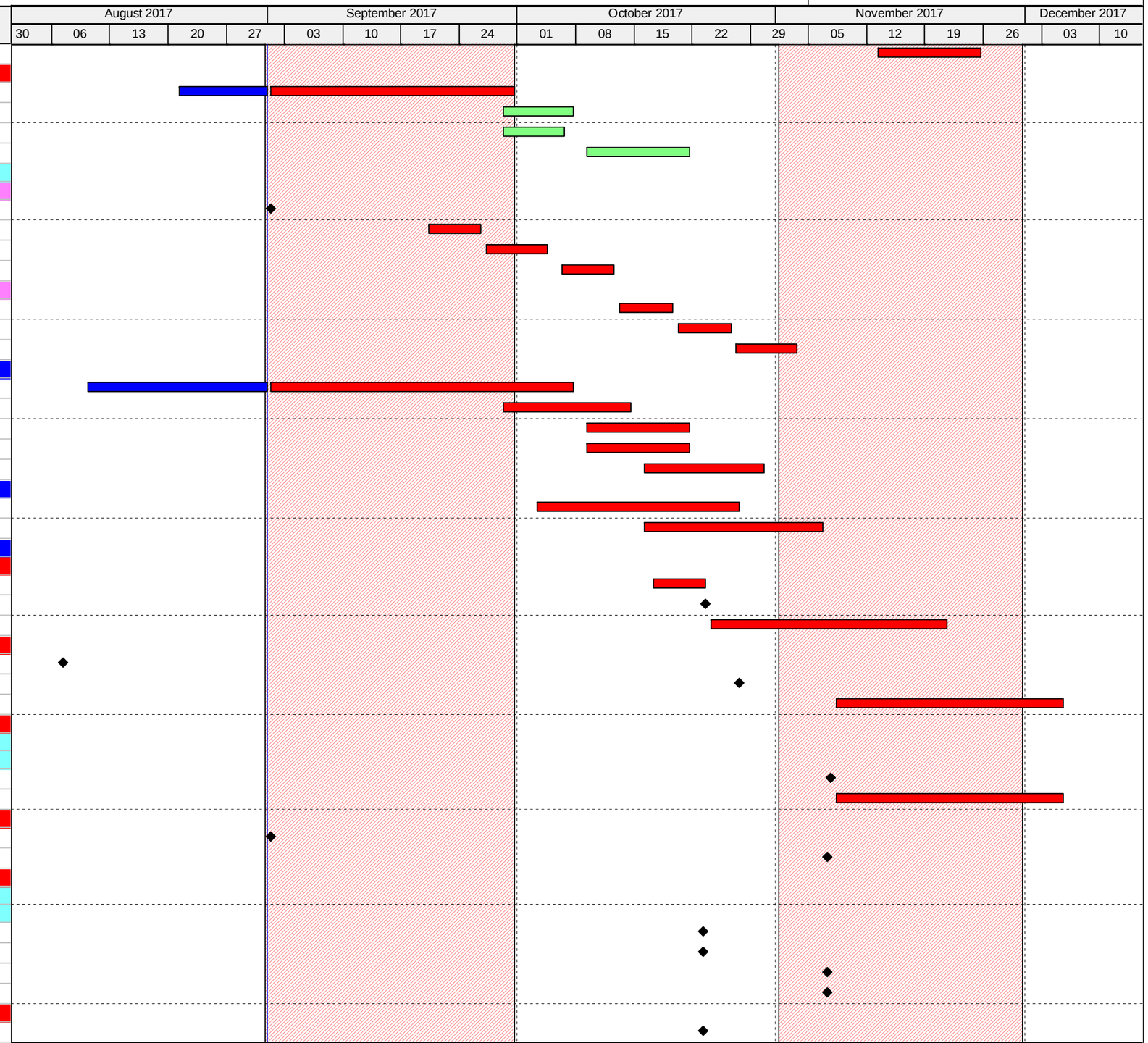
Activity ID	Activity Name
RAB-44-6500	044 - Concrete Block Paving
Specialist Installations	
RAB-44-0600	044 - Install Lift (1 nos)
RAB-44-1100	044 - Installation of Roller Shutter Header Box
RAB-44-2250	044 - Small Glass Canopy North Elevation
RAB-44-1090	044 - Installation of Roller Shutter Steel Curtain
Curtain Wall	
East	
RAB-44-6870	044 - Complete Formwork Stripping to Roof Level
RAB-44-6880	044 - Install Primary Steelwork for Window Wall - East
RAB-44-6890	044 - Install Secondary Steelwork for Window Wall - East
RAB-44-6900	044 - Glazing to Window Wall - East
West	
RAB-44-6920	044 - Install Primary Steelwork for Window Wall - West
RAB-44-6930	044 - Install Secondary Steelwork for Window Wall - West
RAB-44-6940	044 - Glazing to Window Wall - West
Utilities and Drainage	
RAB-44-7895	044 - Construct Permanent Drainage and Manholes (Approx 100m)
RAB-44-7935	044 - Install FS Water Main
RAB-44-7915	044 - Install Flushing Water Mains
RAB-44-7925	044 - Install Fresh Water Mains
RAB-44-7905	044 - Utiltites and Common Telecom Ducting
Testing & Commissioning	
RAB-TC44-1010	044 - T&C, Lift
RAB-TC44-1000	044 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals	
BBEO	
RAB-BEE-240	044 - Registered Energy Assessor Inspection & Certification
RAB-BEE-250	044 - Submit REA Certification to EDMS
RAB-BEE-260	044 - EDMS Issue of Cert of Compliance Registration (COCR)
EMSD - Building 044 Lift Inspection	
RAB-FSD-200	044 - Submit EMSD Form 3 (Commencement of Lift Installation)
RAB-FSD-210	044 - Submit EMSD Form 5 (Completion of Lift Installation)
RAB-FSD-220	044 - EMSD Lift Inspection
Water Supplies Department (WSD)	
Commencement	
Completion	
RAB-WSD-684	044 - Submit WWO 46 Pt. IV
RAB-WSD-314	044 WSD Inspection/Meter Connection
Fire Servives Department (HVAC)	
RAB-FSD-1020	044 - Submit Form 314 to FSD, HVAC
RAB-FSD-1040	044 - Submit Form 501 to FSD, HVAC
Fire Water Services (FS)	
Commencement	
Completion	
RAB-FSD-116	044 - Submit WWO 46 Pt. IV, FS
RAB-FSD-120	044 WSD Issue WWO Part V
RAB-FSD-128	044 - Submit Form 501, FS
RAB-FSD-126	044 - Submit Form 314 to FSD, FS
Engineer (AECOM)	
RAB-44-7280	044 - Submit Building 044 As Built Drawings to Engineer



Remaining Level of Effort | Actual Work | Critical Remaining ...
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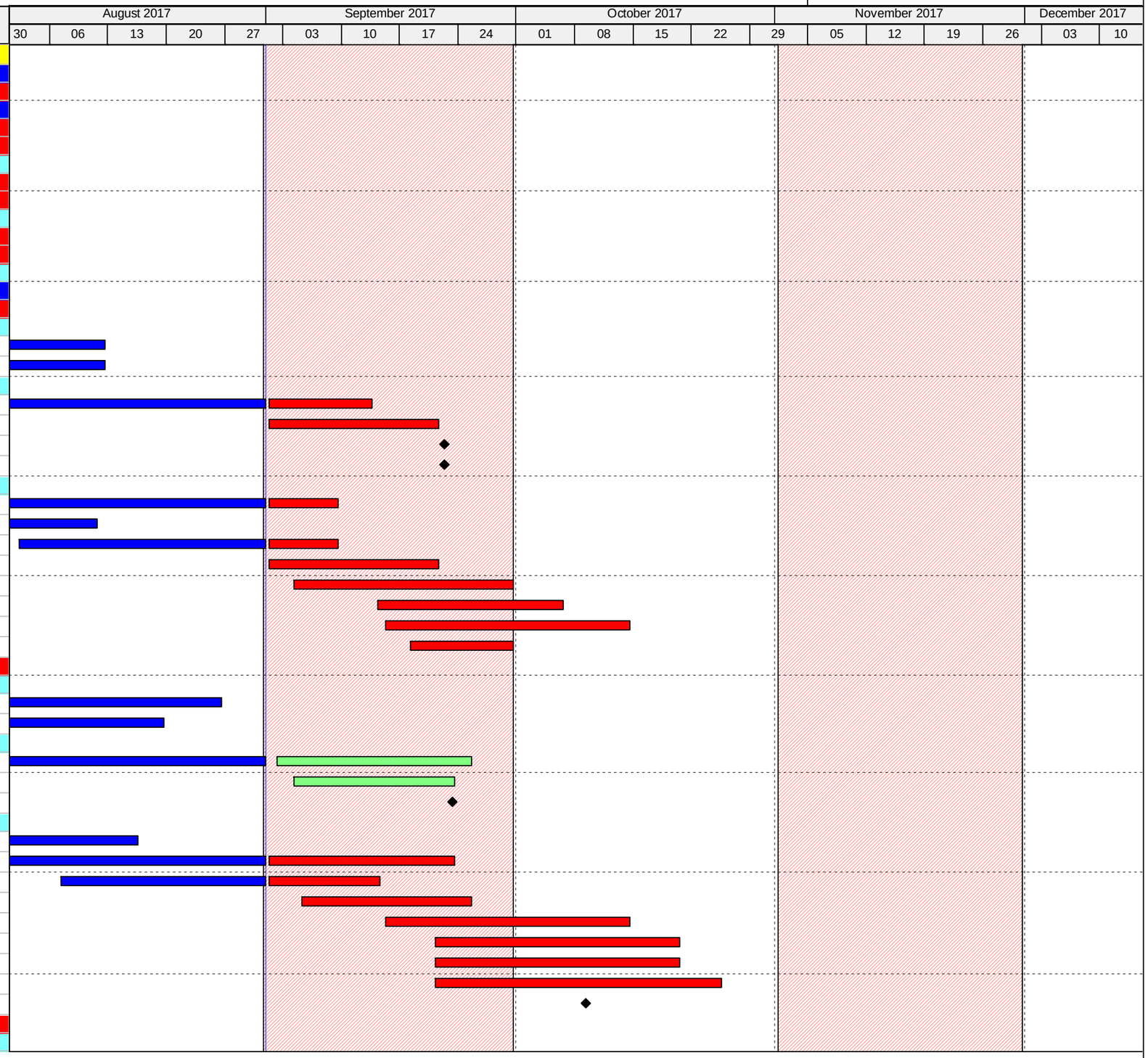
Activity ID	Activity Name
Building 045 - Highways Depot & Administration Building	
Raft Foundation	
Diesel Fuel Chamber	
Structure G/F to R/F	
G/F to 1/F Walls & Columns	
1/F Slab	
Cure and Strip	
1/F to 2/F Walls & Columns	
2/F Slab	
Cure and Strip	
2/f to R/F Walls & Columns	
Roof Level Slab	
Cure and Strip	
ABWF/E&M	
Ground Floor, South - G/F	
Degree 1, G/F	
RAB-45-9725	045 - MEP 1st Fix - G/F
RAB-45-9765	045 - Screed - G/F
Degree 2, G/F	
RAB-45-9805	045 - MEP 2nd Fix - G/F
RAB-45-9895	045 - Door & Windor Frame + Louver - G/F
RAB-45-9905	045 - Access for C3 to Install Equipment
RAB-45-10075	045 - Projeted achievement of Stage 8B of the Works - G/F
Degree 3, G/F	
RAB-45-9935	045 - Wall Finish, Paint & Tile - G/F
RAB-45-10005	045 - Ceiling Paint - G/F
RAB-45-9915	045 - Floor Finish (Paint & Tile) - G/F
RAB-45-9945	045 - Door Panel & Ironmongery - G/F
RAB-45-10035	045 - Ceiling Plaster Board Frame & Ceiling Panel Frame - G/F
RAB-45-9815	045 - MEP Final Fix - G/F
RAB-45-9925	045 - Glazing - G/F
RAB-45-10055	045 - Ceiling Plaster Board & Ceiling Panel- G/F
First Floor, 1/F	
Degree 1, 1/F	
RAB-45-9975	045 - Screed - 1/F
RAB-45-9955	045 - MEP 1st Fix - 1/F
Degree 2, 1/F	
RAB-45-10015	045 - MEP 2nd Fix - 1/F
RAB-45-10105	045 - Door & Windor Frame + Louver - 1/F
RAB-45-10065	045 - Access to C3 Equipment Instalaltion***
Degree 3, 1/F	
RAB-45-10175	045 - Ceiling Paint - 1/F
RAB-45-10145	045 - Wall Finish, Paint & Tile - 1/F
RAB-45-10125	045 - Floor Finish (Paint & Tile) - 1/F
RAB-45-10155	045 - Door Panel & Ironmongery - 1/F
RAB-45-10205	045 - Ceiling Plaster Board Frame Ceiling Panel Frame- 1/F
RAB-45-10025	045 - MEP Final Fix - 1/F
RAB-45-10245	045 - Ceiling Plaster Board & Ceiling Panel - 1/F
RAB-45-10285	045 - Glazing - 1/F
RAB-45-10275	045 - Handover to End users***
Second Floor, 2/F	
Degree 1, 2/F	



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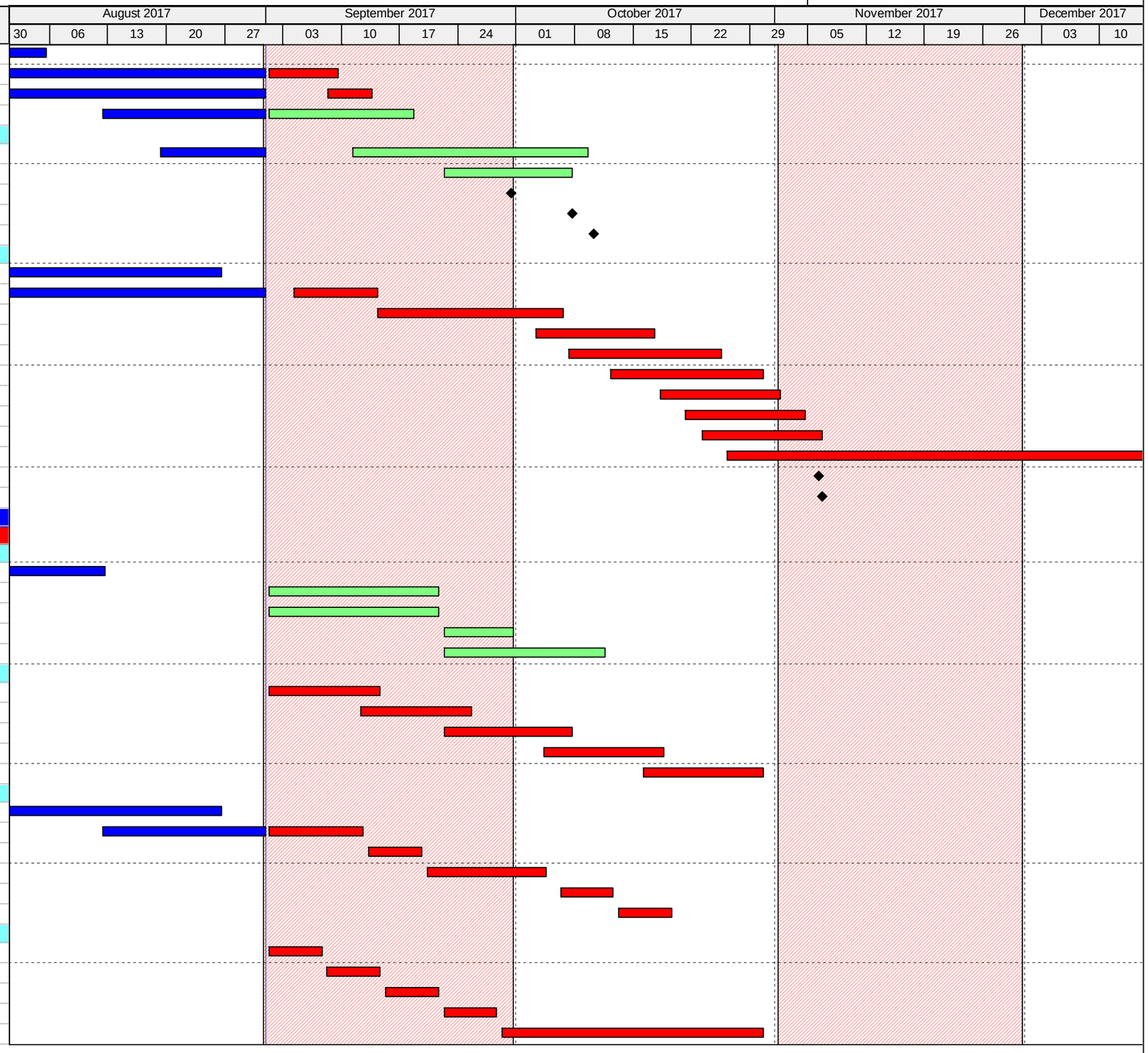
Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
RAB-45-0810	045 - Construct Blockwork Walls - 2/F
RAB-45-10195	045 - Plastering & Undercoat - 2/F
RAB-45-10185	045 - Screed - 2/F
RAB-45-10165	045 - MEP 1st Fix - 2/F
Degree 2, 2/F	
RAB-45-10225	045 - MEP 2nd Fix - 2/F
RAB-45-10315	045 - Door & Windor Frame + Louver - 2/F
RAB-45-10295	045 - Access for C3 Equip. Installation, 2/F***
RAB-45-0950	KD8B - Projected achievement of Stage 8B of the Works - 2/F, 045
RAB-45-10255	045 - Power On - 2/F
Degree 3, 2/F	
RAB-45-10395	045 - Ceiling Paint - 2/F
RAB-45-10355	045 - Wall Finish, Paint & Tile - 2/F
RAB-45-10335	045 - Floor Finish (Paint & Tile) - 2/F
RAB-45-10375	045 - Ceiling Plaster Board Frame & Ceiling Panel Frame - 2/F
RAB-45-10235	045 - MEP Final Fix - 2/F
RAB-45-10345	045 - Glazing - 2/F
RAB-45-10385	045 - Ceiling Plaster Board & Ceiling Panel - 2/F
RAB-45-0980	045 - Snagging and Remedials - 2/F
RAB-45-10365	045 - Door Panel & Ironmongery - 2/F
RAB-45-10305	045 - MEP Balance of Works
RAB-45-10265	045 - End Users and MoM handover inspection
RAB-45-0970	KD8C - Projected achievement of Stage 8C of the Works - 2/F, 045
External Finishes	
Bldg. External Finishes	
Facade	
RAB-45-0630	045 - External Render
RAB-45-0620	045 - Install External Louvers /Windows/Doors
RAB-45-0690	045 - External Painting
RAB-45-0720	045 - Dismantle Scaffolding
RAB-45-0760	045 - Make good external surfaces
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
RAB-45-0880	045 - Top Screed
RAB-45-0910	045 - Install Roof Tiles
RAB-45-0920	045 - Install Railing
RAB-45-0930	045 - Install Cat Ladder and Roof Hatch
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



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3-Month Rolling Programme Update, 01 Sep. 2017

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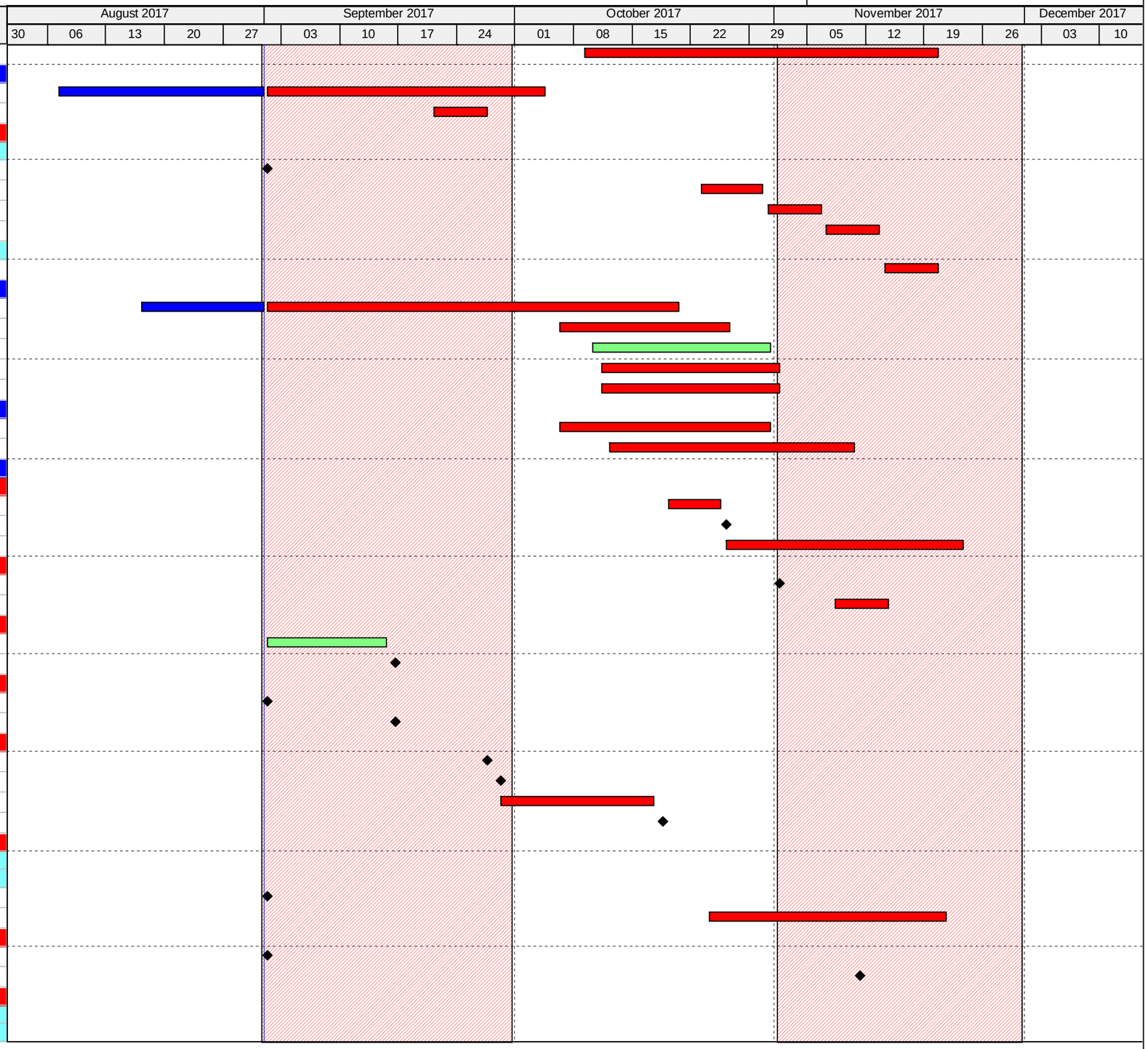
Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
RAB-45-0740	045 - Complete Green Roofing Works
Specialist Installations	
RAB-45-0590	045 - Install Lift (1 nos)
RAB-45-1125	045 - Install Genset and swtich board G/F
Window Wall	
East	
RAB-45-6950	045 - Complete Formwork Stripping to Roof Level
RAB-45-6960	045 - Install Primary Steelwork for Window Wall
RAB-45-6970	045 - Install Secondary Steelwork for Window Wall
RAB-45-6980	045 - Glazing to Window Wall
West	
RAB-45-6990	045 - Install Primary Steelwork for Window Wall
Utilities and Drainage	
RAB-45-7935	045 - Construct Permanent Drainage and Manholes (Approx 180m)
RAB-45-7945	045 - Utiltites and Common Telecom Ducting
RAB-45-7955	045 - Install Flushing Water Mains
RAB-45-7965	045 - Install Fresh Water Mains
RAB-45-7975	045 - Install FS Water Main
Testing & Commissioning	
RAB-TC45-1030	045 - T&C, Lift
RAB-TC45-1020	045 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
RAB-BEE-270	045 - Registered Energy Assessor Inspection & Certification
RAB-BEE-280	045 - Submit REA Certification to EDMS
RAB-BEE-290	045 - EDMS Issue of Cert of Compliance Registration (COCR)
EMSD - Building 045 Lift Inspection	
RAB-FSD-240	045 - Submit EMSD Form 5 (Completion of Lift Installation)
RAB-FSD-250	045 - EMSD Lift Inspection
Fuel Tank - DG License	
RAB-FSD-660	045 - FSD Inspection & Approval
RAB-FSD-680	045 - FSD Issue License
Generator Set - EPD Permit	
RAB-EPD-0130	045 - Submission Form 501to EPD
RAB-EPD-0140	045 - EPD Approval
Generator Set - DG Licence	
RAB-FSD-690	045- Genset Ready for DG Inspection
RAB-FSD-700	045 - Notify FSD for DG Inspection
RAB-FSD-710	045 - FSD (Vent) /FS Inspection/Process License
RAB-FSD-720	045 - DG Licence Issued
Water Supplies Department (WSD)	
Commencement	
Completion	
RAB-WSD-654	045 - Submit WWO 46 Pt. IV
RAB-WSD-284	045 - WSD's Processing/Inspection/Meter Connection
HVAC	
RAB-FSD-990	045 - Submit Form 314
RAB-FSD-1000	045 - Submit Form 501
FSD	
Commencement	
Completion	



Remaining Level of Effort
Actual Work
Critical Remaining ...
Actual Level of Effort
Remaining Work
Finish Constraint

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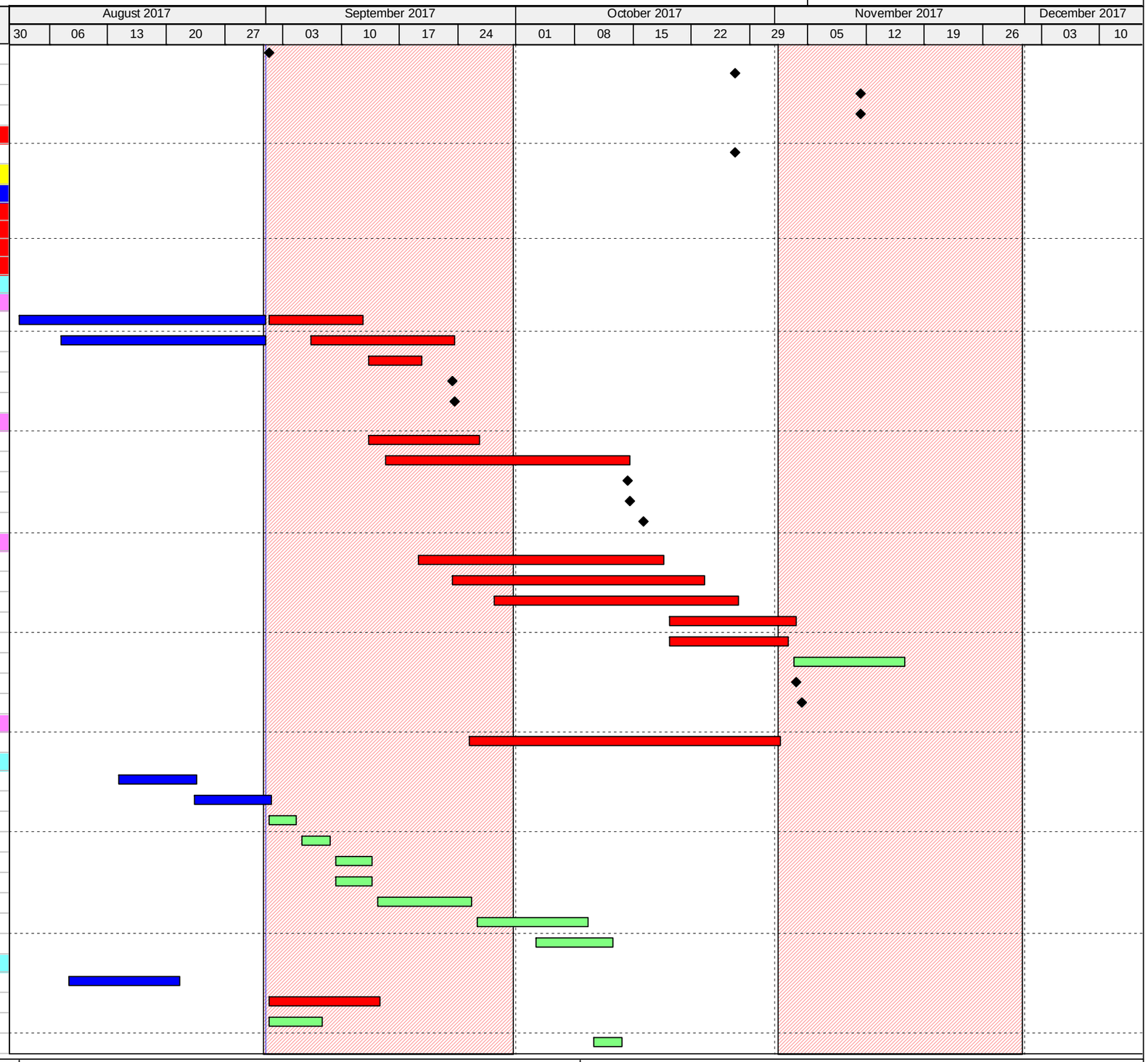
Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
RAB-FSD-440	045 - Submit WWO 46 Pt. I V - FS
RAB-FSD-600	045 - Submit WWO 46 Pt. V - FS
RAB-FSD-630	045 - Submit Form 501 - FS
RAB-FSD-830	045 - Submit Form 314 - FS
Engineer (AECOM)	
RAB-45-7310	045 - Submit Building 045 As Built Drawings to Engineer
Building 050 - Public Toilets Type 2	
Public Toilet (Portion H1)	
Excavation	
Raft	
Structure	
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-50-1340	050 H1 - Rendering/Plastering & Undercoat
RAB-50-1170	050 H1 - MEP 1st Fix
RAB-50-1320	050 H1 - Screeding
RAB-KD9A40	050 H1 - Access for C3 Cabling Works
RAB-KD9A10	KD9A - Projected achievement of Stage 9A of the Works
Degree 2	
RAB-50-1360	050 H1 - Louver / Door Frame
RAB-50-1270	050 H1 - MEP 2nd Fix
RAB-50-1380	050 H1 - Access for C3 Equip. Installation
RAB-KD9B10	KD9B - Projected achievement of Stage 9B of the Works
RAB-50-1300	050 H1 - Power On
Degree 3	
RAB-50-1310	050 H1 - Ceiling Frame
RAB-50-1350	050 H1 - Wall Finish
RAB-50-1370	050 H1 - Ceiling & Floor Finish
RAB-50-1280	050 H1 - MEP Final Fix
RAB-50-1390	050 H1 - Door panel & Ironmongery
RAB-50-1290	050 H1 - Snagging and Remedials
RAB-KD9C10	KD9C - Projected achievement of Stage 9C of the Works
RAB-50-7460	050 H1 - End Users and MoM handover inspection
Specialist installation	
RAB-50-1240	050 H1 - Installation of Sanitaryware and Fixtures
Roof Finishes	
RAB-50-1130	050 H1 - Leveling screed - 140m²
RAB-50-1140	050 H1 - Waterproof membrane - 140m²
RAB-50-1160	050 H1 - Top Screed - 140m²
RAB-50-1180	050 H1 - Install Roof Tiles - 140m²
RAB-50-1200	050 H1 - Install Railing - 49m
RAB-50-1210	050 H1 - Install Cat Ladder and Roof Access Hatch
RAB-50-4470	050 H1 - Installation of Aluminium Canopy
RAB-50-4320	050 H1 - Install Aluminium Cladding
RAB-50-1100	050 H1 - Install Skylights (8No)
External Finishes	
RAB-50-1150	050 H1 - External Render
RAB-50-1120	050 H1 - Install External Louvers /Windows/Doors
RAB-50-1190	050 H1 - External Tiling
RAB-50-1250	050 H1 - Dismantle Scaffolding



Remaining Level of Effort | Actual Work | Critical Remaining ...
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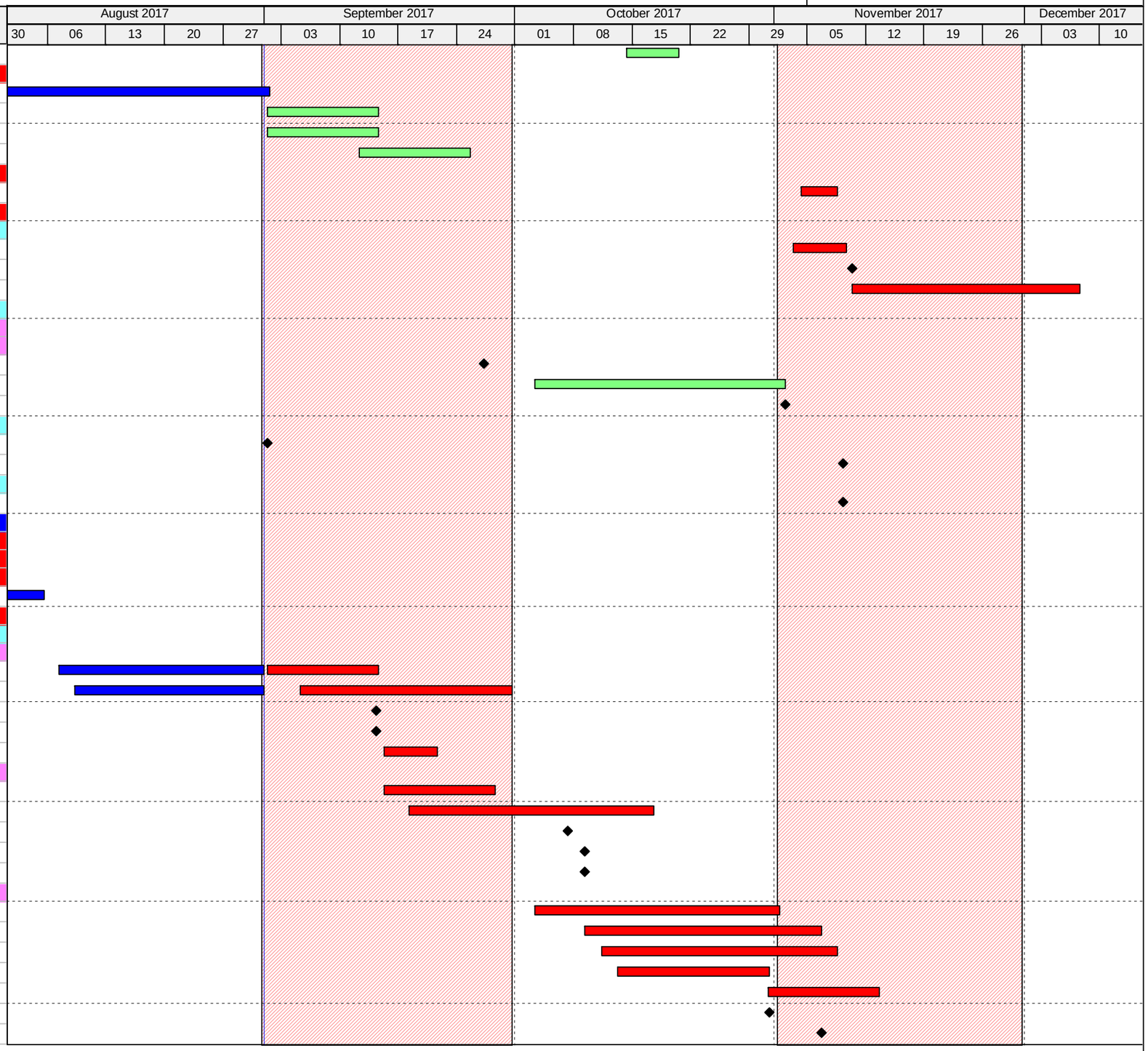
Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
RAB-50-1260	050 H1 - Make good external surfaces
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
Testing & Commissioning	
RAB-TC50-1000	050 H1 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
RAB-BEE-300	050 H1 - Registered Energy Assessor Inspection & Certification
RAB-BEE-310	050 H1 - Submit REA Certification to EDMS
RAB-BEE-320	050 H1 - EDMS Issue of Cert of Compliance Registration (COCR)
Water Supplies Department (WSD)	
Commencement	
Completion	
RAB-WSD-454	050 H1 - Submit WWO 46 Pt. IV
RAB-WSD-464	050 H1 - WSD Inspection/Meter Connection for Building 050
RAB-WSD-474	050 H1 - WSD Issue WWO 046 Part V, Cert Plumbing Instl'n Compl
Fire Servives Department (VAC)	
RAB-FSD-1080	050 H1 - Submit Form 314
RAB-FSD-1090	050 H1 - Submit Form 501
Engineer (AECOM)	
RAB-50-7340	050 H1 - Submit Building 050 H1 As Built Drawings to Engineer
Public Toilet (Portion H2)	
Excavation	
Raft	
Structure	
RAB-50-2080	050 H2 - Cure and Strip False/Formwork
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-50-2330	050 H2 - Plastering/Rendering & Undercoat
RAB-50-2170	050 H2 - MEP 1st Fix
RAB-KD10A10	050 H2 - Projected achievement of Stage 10A of the Works
RAB-50-2390	050 H2 - Access for C3 Cabling Works
RAB-50-2310	050 H2 - Screeding
Degree 2	
RAB-50-2360	050 H2 - Louver / Door Frame
RAB-50-2270	050 H2 - MEP 2nd Fix
RAB-50-2300	050 H2 - Power On
RAB-KD10B10	050 H2 - Projected achievement of Stage 10B of the Works
RAB-KD10B40	050 H2 - Access for C3 Equip. Installation
Degree 3	
RAB-50-2340	050 H2 - Ceiling Frame
RAB-50-2350	050 H2 - Wall Finish
RAB-50-2370	050 H2 - Ceiling & Floor Finish
RAB-50-2280	050 H2 - MEP Final Fix
RAB-50-2380	050 H2 - Door panel & Ironmongery
RAB-50-7470	050 H2 - End Users and MoM handover inspection
RAB-KD10C10	050 H2 - Projected achievement of Stage 10C of the Works



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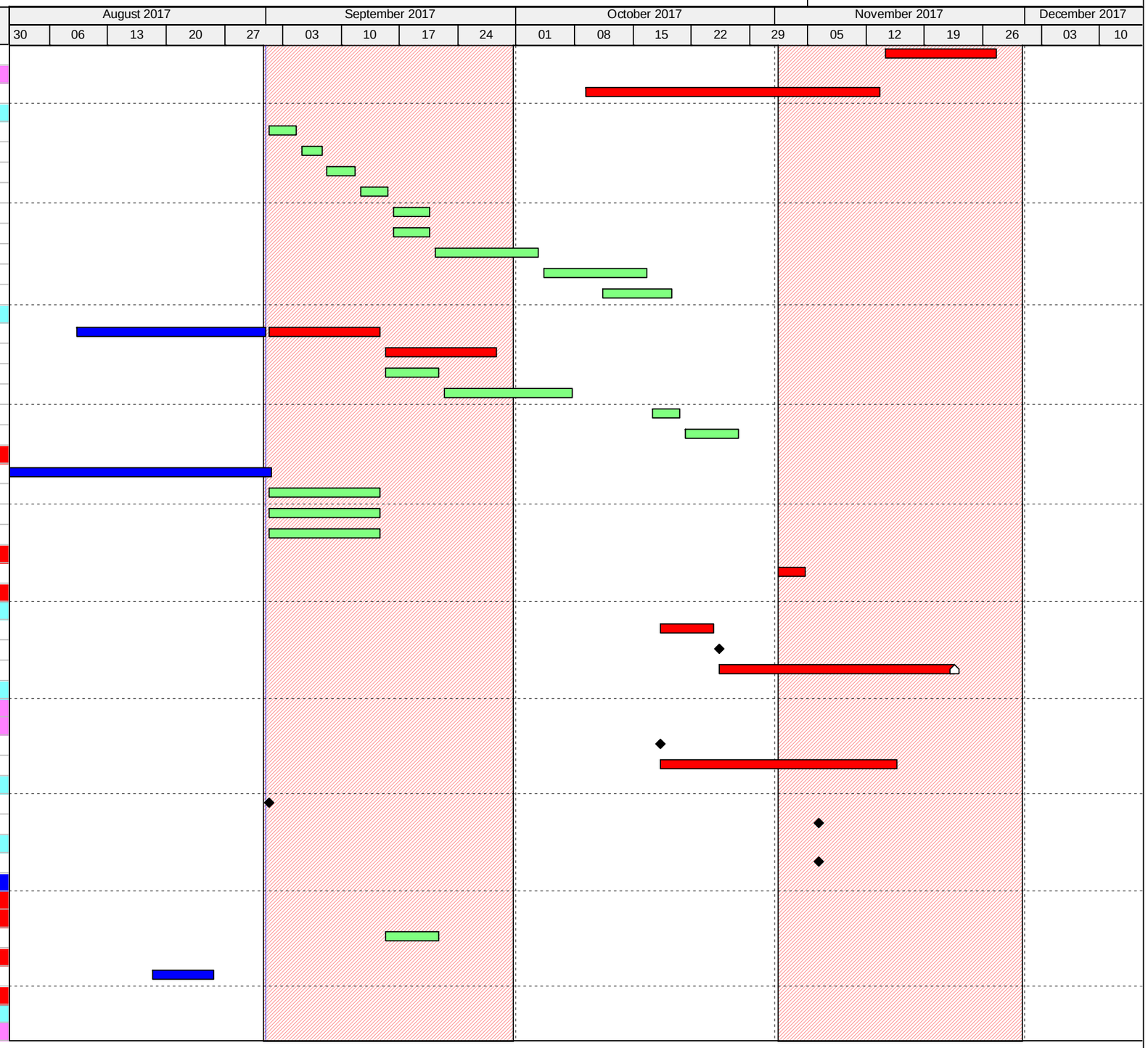
Activity ID	Activity Name
RAB-50-2290	050 H2 - Snagging and Remedials
Specialist installation	
RAB-50-2240	050 H2 - Installation of Sanitaryware and Fixtures
Roof Finishes	
RAB-50-2130	050 H2 - Leveling screed - 140m²
RAB-50-2140	050 H2 - Waterproof membrane - 140m²
RAB-50-2160	050 H2 - Top Screed - 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-50-2230	050 H2 - Installation of Aluminium Canopy
RAB-50-4360	050 H2 - Install Aluminium Cladding
RAB-50-2100	050 H2 - Install Skylights (8No)
External Finishes	
RAB-50-2150	050 H2 - External Render
RAB-50-2120	050 H2 - Install External Louvers /Windows/Doors
RAB-50-2190	050 H2 - External Tiling
RAB-50-2220	050 H2 - External Painting
RAB-50-2250	050 H2 - Dismantle Scaffolding
RAB-50-2260	050 H2 - Make good external surfaces
Utilities and Drainage	
RAB-50-7895	050 H2 - Construct Permanent Drainage and Manholes (Approx 20n
RAB-50-7905	050 H2 - Utiltites and Common Telecom Ducting
RAB-50-7915	050 H2 - Install Flushing Water Mains
RAB-50-7925	050 H2 - Install Fresh Water Mains
Testing & Commissioning	
RAB-TC50-1010	050 H2 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
RAB-BEE-330	050 H2 - Registered Energy Assessor Inspection & Certification
RAB-BEE-340	050 H2 - Submit REA Certification to EDMS
RAB-BEE-350	050 H2 - EDMS Issue of Cert of Compliance Registration (COCR)
Water Supplies Department (WSD)	
Commencement	
Completion	
RAB-WSD-594	050 H2 - Submit WWO 46 Pt. IV
RAB-WSD-434	050 H2 - WSD Inspection/Meter Connection for Building 050
Fire Servives Department (VAC)	
RAB-FSD-1110	050 H2 - Submit Form 314
RAB-FSD-1120	050 H2 - Submit Form 501
Engineer (AECOM)	
RAB-50-7370	050 H2 - Submit Building 050 H1 As Built Drawings to Engineer
Public Toilet (Portion A1)	
Excavation	
Raft	
RAB-50-3050	050 A1 - Ground Slab
Structure	
RAB-50-3080	050 A1 - Cure and Strip False/Formwork
ABWF/E&M	
Internal Finishes	
Degree 1	



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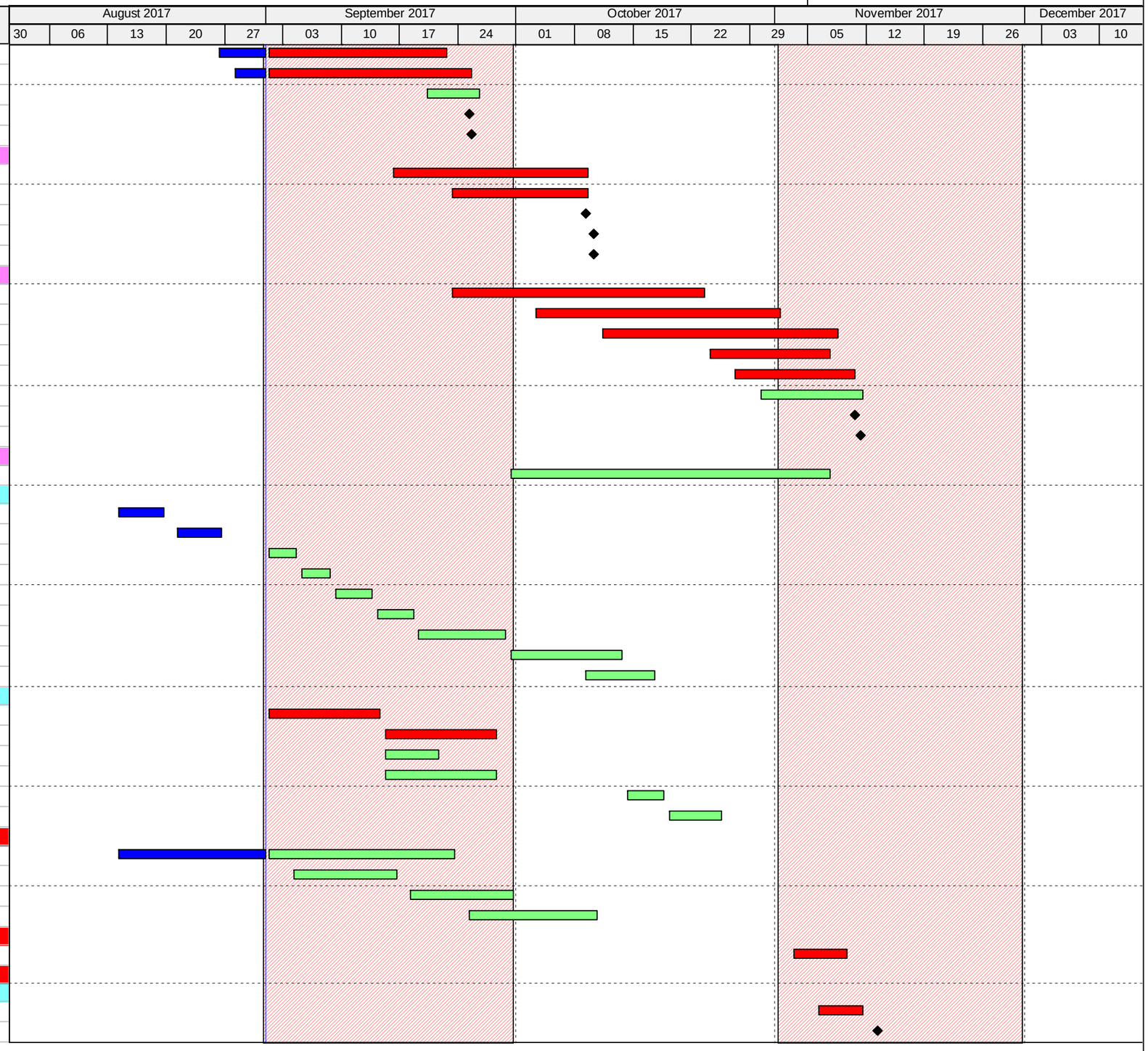
Activity ID	Activity Name
RAB-50-3310	050 A1 - Plastering/Rendering & Undercoat
RAB-50-3170	050 A1 - MEP 1st Fix
RAB-50-3320	050 A1 - Screeding
RAB-50-3330	050 A1 - Access for C3 for Cabling Works
RAB-KD11A10	KD11A - Projected achievement of Stage 11A of the Works
Degree 2	
RAB-50-3270	050 A1 - MEP 2nd Fix
RAB-50-3360	050 A1 - Louver / Door Frame
RAB-50-3390	050 A1 - Access for C3 for Equip. Installation
RAB-KD11B10	KD11B - Projected achievement of Stage 11B of the Works
RAB-50-3300	050 A1 - Power On
Degree 3	
RAB-50-3340	050 A1 - Ceiling Frame
RAB-50-3350	050 A1 - Wall Finish
RAB-50-3370	050 A1 - Ceiling & Floor Finish
RAB-50-3280	050 A1 - MEP Final Fix
RAB-50-3380	050 A1 - Door panel & Ironmongery
RAB-50-3290	050 A1 - Snagging and Remedials
RAB-KD11C10	KD11C - Projected achievement of Stage 11C of the Works
RAB-50-7480	050 A1 - End Users and MoM handover inspection
Specialist installation	
RAB-50-3240	050 A1 - Installation of Sanitaryware and Fixtures
Roof Finishes	
RAB-50-3130	050 A1 - Leveling screed - 140m²
RAB-50-3140	050 A1 - Waterproof membrane - 140m²
RAB-50-3160	050 A1 - Top Screed - 140m²
RAB-50-3180	050 A1 - Install Roof Tiles - 140m²
RAB-50-3200	050 A1 - Install Railing - 49m
RAB-50-3210	050 A1 - Install Cat Ladder and Roof Access Hatch
RAB-50-3230	050 A1 - Installation of Aluminium Canopy
RAB-50-4370	050 A1 - Install Aluminium Cladding
RAB-50-3100	050 A1 - Install Skylights (8No)
External Finishes	
RAB-50-3150	050 A1 - External Render (From Bldg 050 H2)
RAB-50-3120	050 A1 - IInstall External Louvers /Windows/Doors
RAB-50-3190	050 A1 - External Tiling
RAB-50-3220	050 A1 - External Painting
RAB-50-3250	050 A1 - Dismantle Scaffolding
RAB-50-3260	050 A1 - Make good external surfaces
Utilities and Drainage	
RAB-50-7935	050 A1 - Construct Permanent Drainage and Manholes
RAB-50-7965	050 A1 - Install Fresh Water Mains
RAB-50-7945	050 A1 - Utiltites and Common Telecom Ducting
RAB-50-7955	050 A1 - Install Flushing Water Mains
Testing & Commissioning	
RAB-TC50-1020	050 A1 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
RAB-BEE-360	050 A1 - Registered Energy Assessor Inspection & Certification
RAB-BEE-370	050 A1 - Submit REA Certification to EDMS



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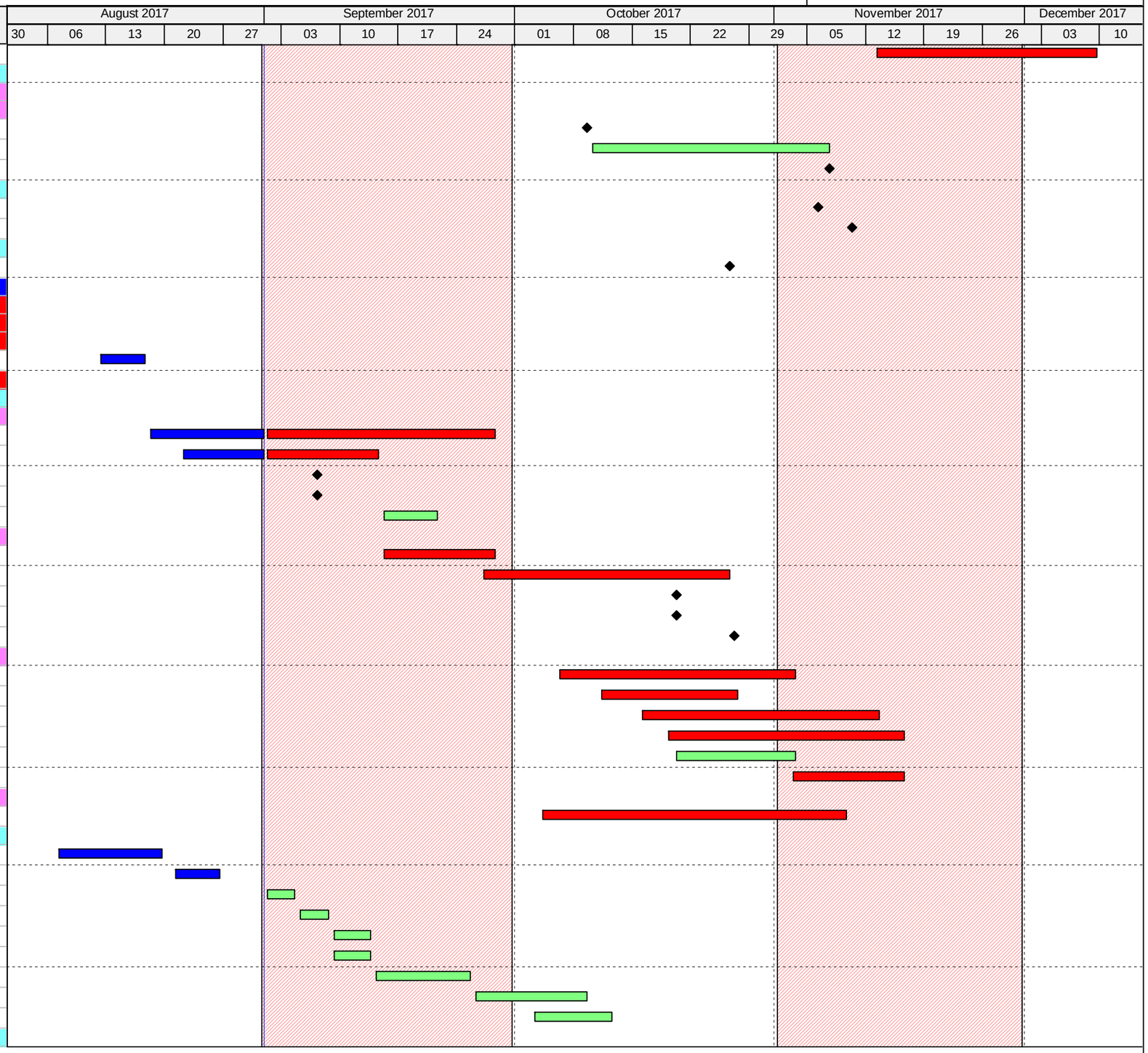
Activity ID	Activity Name
RAB-BEE-380	050 A1 - EDMS Issue of Cert of Compliance Registration (COCR)
Water Supplies Department (WSD)	
Commencement	
Completion	
RAB-WSD-394	050 A1 - Submit WWO 46 Pt. IV
RAB-WSD-404	050 A1 - WSD Inspection/Meter Connection
RAB-WSD-414	050 A1 - WSD Issue WWO 046 Part V, Plumbing Instl'n Compl & Wa
Fire Servives Department (VAC)	
RAB-FSD-1050	050 A1 - Submit Form 314
RAB-FSD-1060	050 A1 - Submit Form 501
Engineer (Aecom)	
RAB-50-7400	050 A1 - Submit Building 050 A1 As Built Drawings to Engineer
Public Toilet (Portion A2)	
Excavation	
Raft	
Structure	
RAB-50-4080	050 A2 - Cure and Strip False/Formwork
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-50-4170	050 A2 - MEP 1st Fix
RAB-50-4420	050 A2 - Plastering/Rendering & Undercoat
RAB-KD12A10	KD12A - Projected achievement of Stage 12A of the Works
RAB-50-4410	050 A2 - Access for C3 Cabling Works
RAB-50-4400	050 A2 - Screeding
Degree 2	
RAB-50-4440	050 A2 - Louver / Door Frame
RAB-50-4270	050 A2 - MEP 2nd Fix
RAB-KD12B10	KD12B - Projected achievement of Stage 12B of the Works
RAB-50-4480	050 A2 - Access for C3 Equip. Installation
RAB-50-4300	050 A2 - Power On
Degree 3	
RAB-50-4390	050 A2 - Ceiling Frame
RAB-50-4280	050 A2 - MEP Final Fix
RAB-50-4430	050 A2 - Wall Finish
RAB-50-4450	050 A2 - Ceiling & Floor Finish
RAB-50-4290	050 A2 - Snagging and Remedials
RAB-50-4460	050 A2 - Door panel & Ironmongery
Specialist installation	
RAB-50-4240	050 A2 - Installation of Sanitaryware and Fixtures
Roof Finishes	
RAB-50-4130	050 A2 - Leveling screed - 140m²
RAB-50-4140	050 A2 - Waterproof membrane - 140m²
RAB-50-4160	050 A2 - Top Screed - 140m²
RAB-50-4180	050 A2 - Install Roof Tiles - 140m²
RAB-50-4200	050 A2 - Install Railing - 49m
RAB-50-4210	050 A2 - Install Cat Ladder and Roof Access Hatch
RAB-50-4230	050 A2 - Installation of Aluminium Canopy
RAB-50-4380	050 A2 - Install Aluminium Cladding
RAB-50-4100	050 A2 - Install Skylights (8No)
External Finishes	



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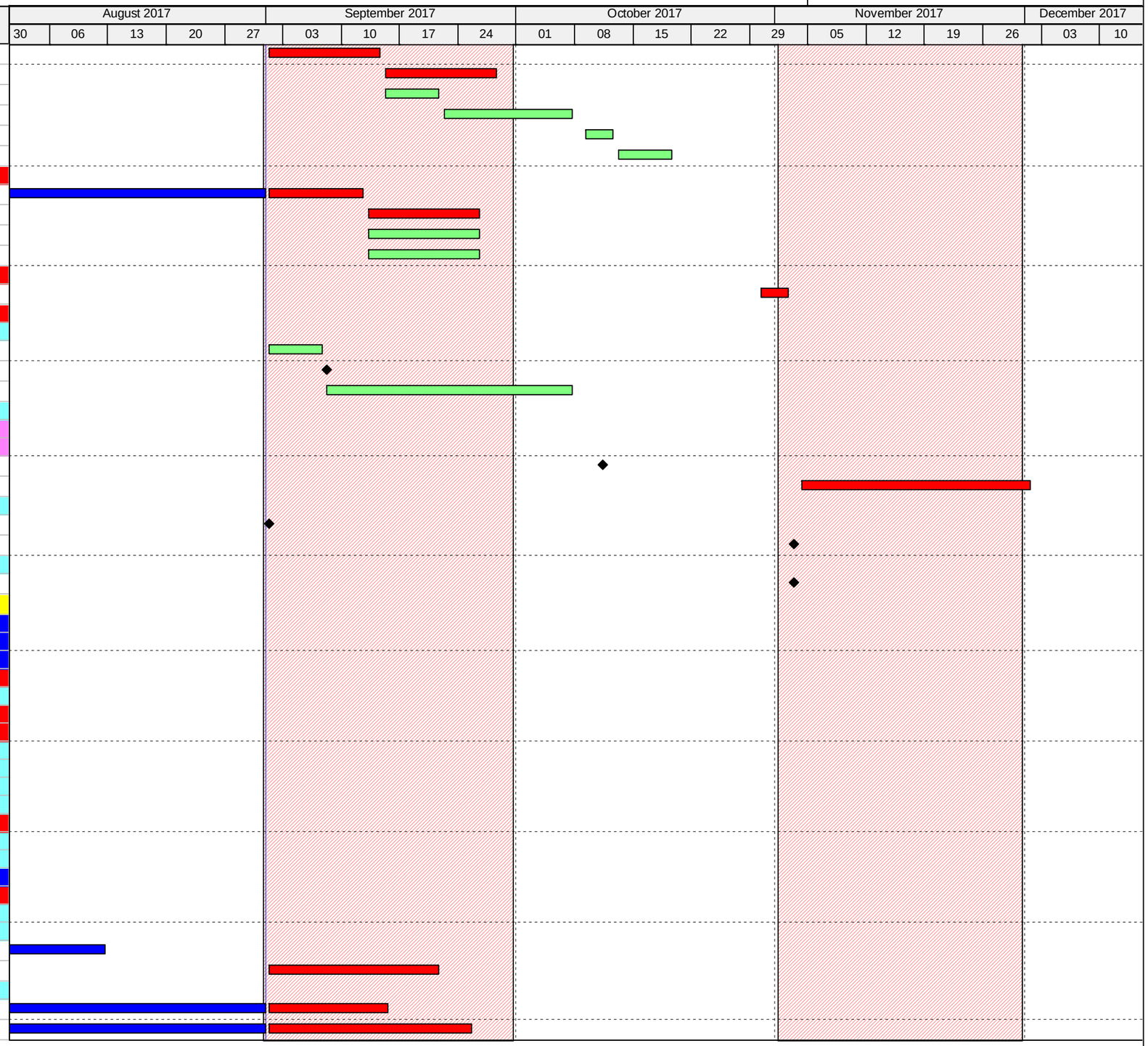
Activity ID	Activity Name
RAB-50-4150	050 A2 - External Render
RAB-50-4120	050 A2 - Install External Louvers /Windows/Doors
RAB-50-4190	050 A2 - External Tiling
RAB-50-4220	050 A2 - External Painting
RAB-50-4250	050 A2 - Dismantle Scaffolding
RAB-50-4260	050 A2 - Make good external surfaces
Utilities and Drainage	
RAB-50-7975	050 A2 - Construct Permanent Drainage and Manholes (Approx 20m
RAB-50-7985	050 A2 - Utiltites and Common Telecom Ducting
RAB-50-7995	050 A2 - Install Flushing Water Mains
RAB-50-8005	050 A2 - Install Fresh Water Mains
Testing & Commissioning	
RAB-TC50-1030	050 A2 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
RAB-BEE-390	050 A2 - Registered Energy Assessor Inspection & Certification
RAB-BEE-400	050 A2 - Submit REA Certification to EDMS
RAB-BEE-410	050 A2 - EDMS Issue of Cert of Compliance Registration (COCR)
Water Supplies Department (WSD)	
Commencement	
Completion	
RAB-WSD-124	050 A2 - Submit WWO 46 Pt. IV
RAB-WSD-134	050 A2 - WSD Inspection/Meter Connection for Building 050
Fire Servives Department (VAC)	
RAB-FSD-260	050 A2 - Submit Form 314
RAB-FSD-270	050 A2 - Submit Form 501
Engineer (AECOM)	
RAB-50-7430	050 A2 - Submit Building 050 H1 As Built Drawings to Engineer
Building 053 - Outbound X-Ray Building	
Excavation	
Raft	
Structure	
External Walls	
To First Floor Level	
Internal Structures	
First Floor	
Slabs	
Cure and Strip	
1/F - Roof Level	
Staircases	
Roof Floor	
Slabs	
Cure and Strip	
ABWF/E&M	
Ground Floor	
Degree 1 - 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-53-0660	053 - Wall Tiling & Wall Painting Final Coat (2), G/F
RAB-53-0730	053 - MEP Final Fix, G/F



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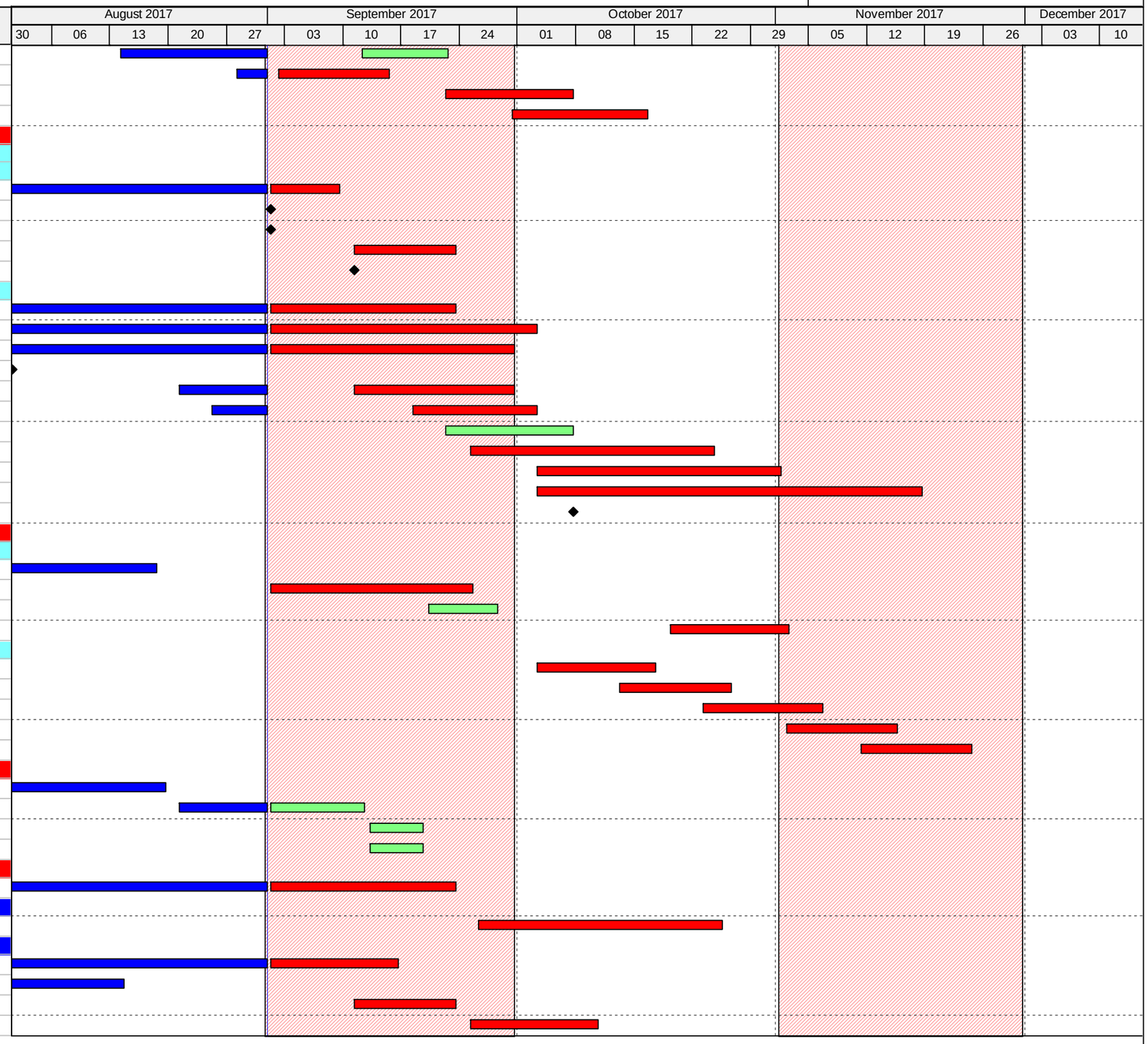
Activity ID	Activity Name
RAB-53-8205	053 - Floor Painting & Tiling, G/F
RAB-53-7915	053 - Ceiling Plaster Board, G/F
RAB-53-0710	053 - Door Panel & Ironmongery, G/F
RAB-53-0700	053 - Glazing, G/F
First Floor	
Degree 1 - 1/F	
Degree 2 - 1/F	
RAB-53-8035	053 - MEP 2nd Fix, 1/F
RAB-53-8045	053 - Projected Achievement of Stage 1B
RAB-53-8005	053 - Access to C3 equipment Installatrion***
RAB-53-8015	053 - Frame for Wall Panel & Cladding, 1/F
RAB-53-8065	053 - Power On, 1/F
Degree 3 - 1/F	
RAB-53-8155	053 - Wall Tiling & Wall Painting Final Coat (2), 1/F
RAB-53-8105	053 - MEP Final Fix, 1/F
RAB-53-7985	053 - Ceiling Plaster Board Sub-Frame, 1/F
RAB-53-8185	053 - Early handover to End Users***
RAB-53-8215	053 - Floor Painting & Tiling, 1/F
RAB-53-7995	053 - Ceiling Plaster Board, 1/F
RAB-53-8085	053 - Door Panel & Ironmongery, 1/F
RAB-53-8075	053 - Glazing, 1/F
RAB-53-8125	053 - Snagging and Remedials, 1/F
RAB-53-8195	053 - MEP Balance of Works
RAB-53-8095	053 - Projected Achievement of Stage 1C, 1/F
External Finishes	
External Facade	
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
RAB-53-7885	053 - Laying Geo Textile
RAB-53-7625	053 - Lay Granular Sub-Base
RAB-53-7635	053 - Laying Course
RAB-53-7695	053 - Concrete Block Paving
Roof Finishes	
RAB-53-0460	053 - Waterproof Membrane - (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-53-7605	053 - Utiltites and Common Telecom Ducting
RAB-53-7655	053 - Install FS Water Main
RAB-53-7610	053 - Install Flushing Water Mains



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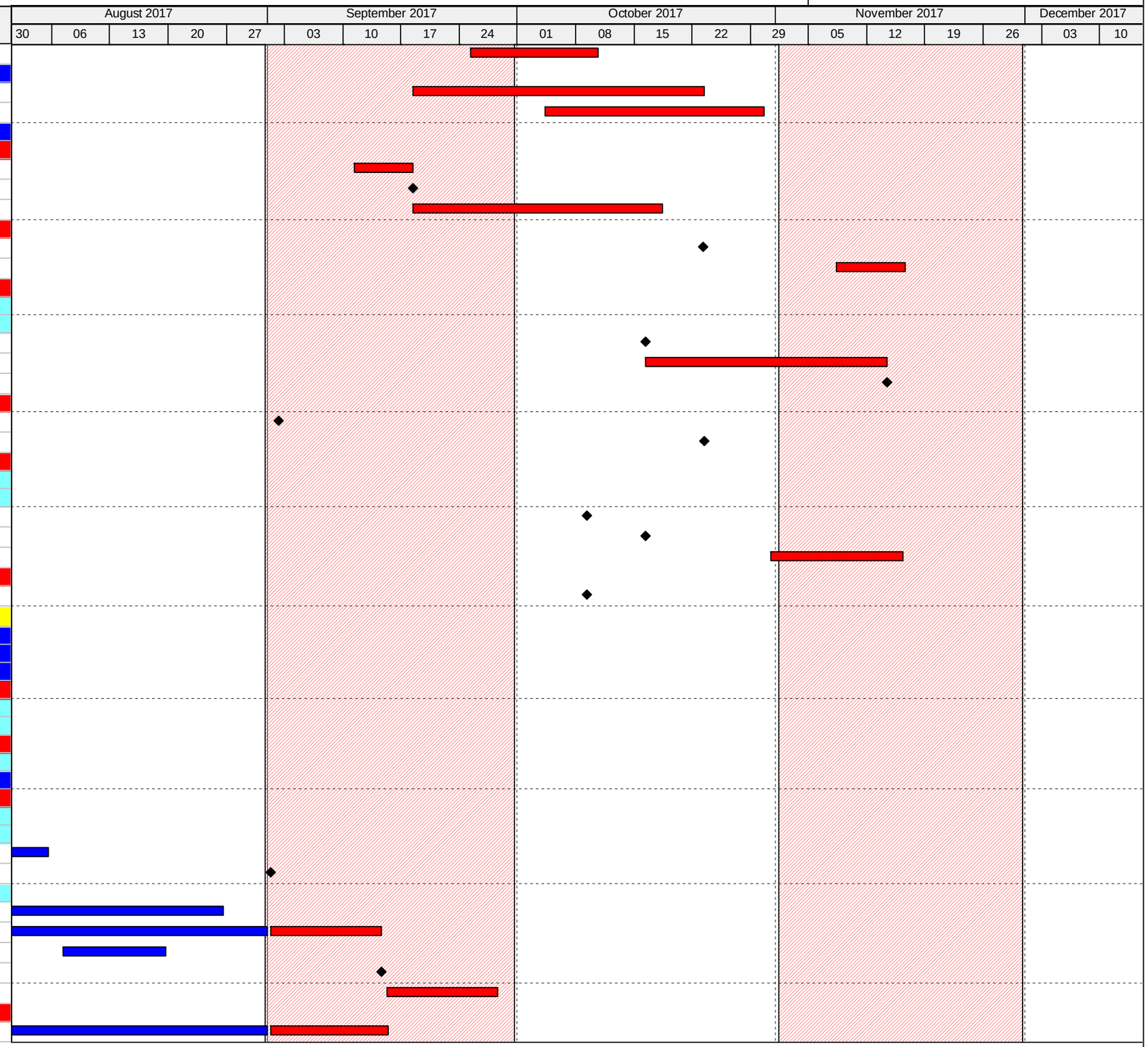
Activity ID	Activity Name
RAB-53-7620	053 - Install Fresh Water Mains
Testing & Commissioning	
RAB-TC53-1040	053 - T&C (HVAC, FS, P&D, OTHERS)
RAB-TC53-1050	053 - T&C, Lift
Statutory Submissions & Approvals (Day 470 Completion)	
BBEO	
RAB-BEE-420	053 - Registered Energy Assessor Inspection & Certification
RAB-BEE-430	053 - Submit REA Certification to EDMS
RAB-BEE-440	053 - EDMS Issue of Cert of Compliance Registration (COCR)
EMSD - Building 053 Lift Inspection	
RAB-FSD-150	053 - Submit EMSD Form 5 (Completion of Lift Installation)
RAB-FSD-160	053 - EMSD Lift Inspection
Water Supplies Department (WSD)	
Commencement	
Completion	
RAB-WSD-100	053 - Submit WWO 46 Pt. IV
RAB-WSD-102	053 - WSD's Processing/Inspection/Meter Connection
RAB-WSD-104	053 - WSD Issue WWO 046 Part V, Plumbing Compl. Cert & Water
VAC	
RAB-FSD-1140	053 - Submit Form 314
RAB-FSD-1150	053 - Submit Form 501
FSD	
Commencement	
Completion	
RAB-FSD-410	053 - Submit WWO 46 Pt. I V
RAB-FSD-670	053 - Submit Form 501
RAB-FSD-420	053 - FSD Inspection Period
Engineer (AECOM)	
RAB-53-7460	053 - Submit Building 053 As Built Drawings to Engineer
Building 058 - Outbound X-Ray Scan Tunnel	
Excavation	
Raft	
Structure	
Walls	
South	
North	
Roof Slabs	
Cure and Strip	
ABWF/E&M	
Internal Finishes	
Degree 1	
Degree 2	
RAB-58-0630	058 - MEP 2nd Fix
RAB-58-0640	058 - Power On
Degree 3	
RAB-58-0650	058 - MEP Final Fix
RAB-58-0700	058 - Floor Finish (Epoxy Paint)
RAB-58-0710	058 - Door Panel (By other)
RAB-58-7520	058 - End Users and MoM handover inspection
RAB-58-0660	058 - Snagging and Remedials, Bldg. Internal
Roof Finishes	
RAB-58-0510	058 - Install Roof Tiles - 885m²



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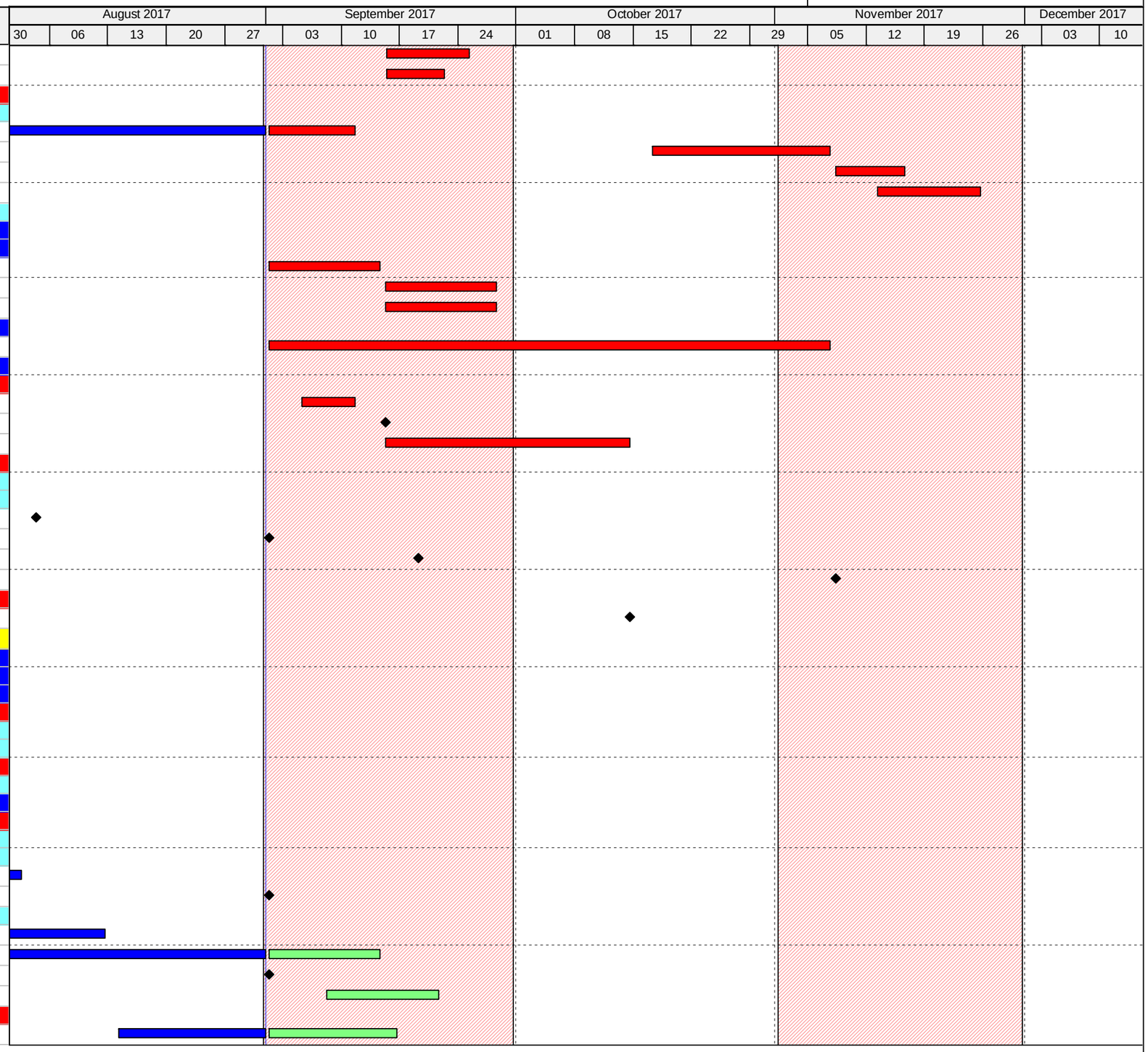
Activity ID	Activity Name
RAB-58-0540	058 - Install Railing - 152m
RAB-58-0530	058 - Install Cat Ladder and Roof Hatch
External Finishes	
Facade	
RAB-58-0400	058 - Install External Louvers /Windows/Doors
RAB-58-0470	058 - External Painting
RAB-58-0560	058 - Dismantle Scaffolding
RAB-58-0620	058 - Make good external surfaces
At Grade	
Glazed Canopy	
Utilities and Drainage	
RAB-58-7590	058 - Install FS Water main
RAB-58-7570	058 - Install Flushing Water Mains
RAB-58-7580	058 - Install Fresh Water Mains
Testing & Commissioning	
RAB-TC58-1060	058 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 470 Completion)	
BBEO	
RAB-BEE-450	058 - Registered Energy Assessor Inspection & Certification
RAB-BEE-460	058 - Submit REA Certification to EDMS
RAB-BEE-470	058 - EDMS Issue of Cert of Compliance Registration (COCR)
VAC (FSD)	
Commencement	
Completion	
RAB-FSD-0280	058 - Submit Form 314
RAB-FSD-370	058 - Submit Form 046 Part IV
RAB-FSD-500	058 - Submit Form 046 Part V
RAB-FSD-100	058 - Submit Form 501 to FSD
Engineer (AECOM)	
RAB-58-7490	058 - Submit Building 058 As Built Drawings to Engineer
Building 059 - Inbound X-Ray Scan Tunnel	
Excavation	
Raft Foundations	
Structure	
Walls	
West	
East	
Roof Slabs	
Cure and Strip	
ABWF/E&M	
Internal Finishes	
Degree 1	
Degree 2	
RAB-59-0630	059 - MEP 2nd Fix
RAB-59-0640	059 - Power On
Degree 3	
RAB-59-0660	059 - MEP Final Fix
RAB-59-0700	059 - Floor Finish (Epoxy Paint)
RAB-59-7550	059 - End Users and MoM handover inspection
RAB-59-7560	059 - Snagging and Remedials
Roof Finishes	
RAB-59-0540	059 - Install Roof Tiles - 885m²



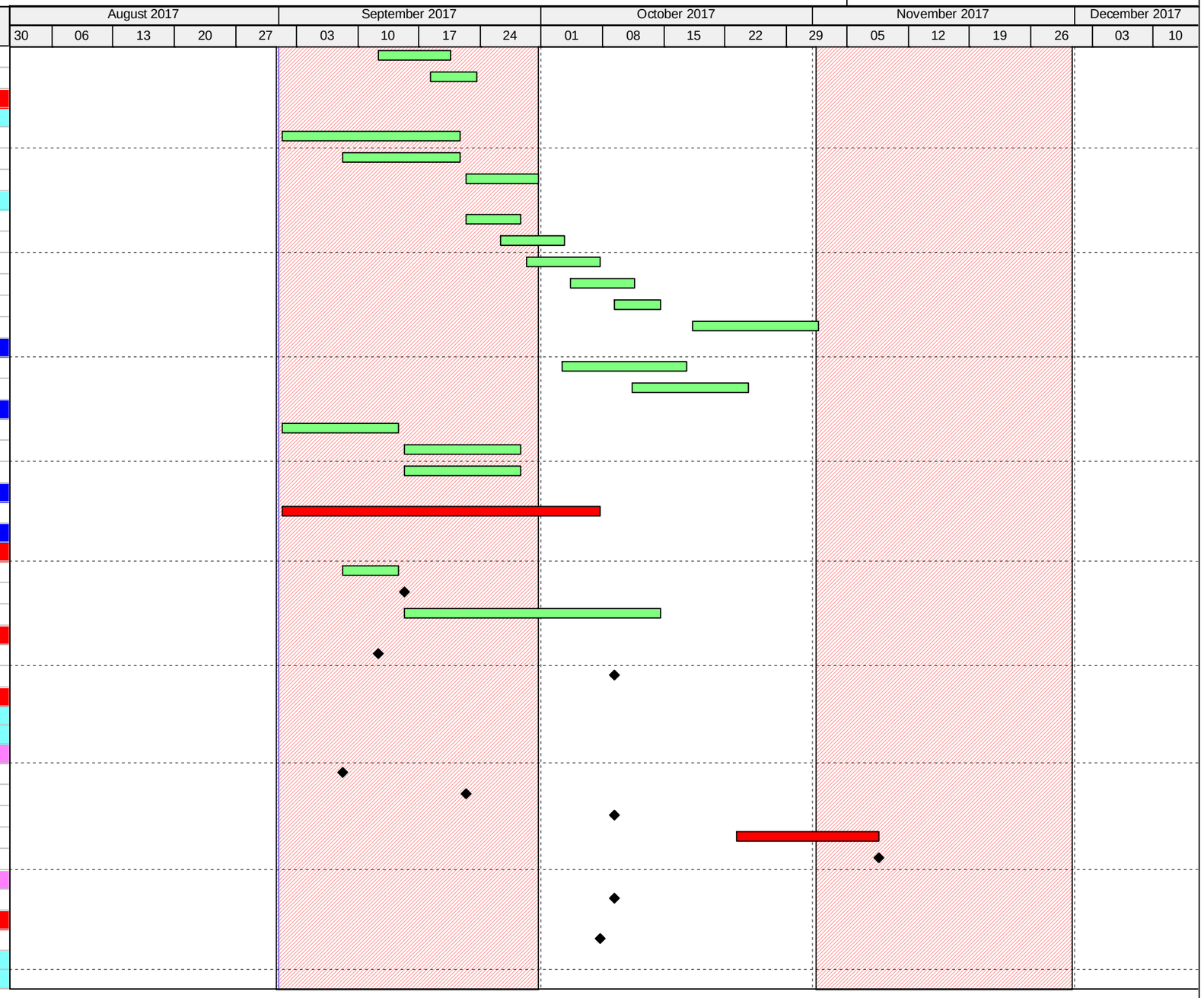
Remaining Level of Effort | Actual Work | Critical Remaining ...
Actual Level of Effort | Remaining Work | Finish Constraint

3-Month Rolling Programme Update, 01 Sep. 2017

RAB6			
Date	Revision	Checked	Approved
01-Sep-17	3-Month Rolling Programme, 01 Sep-17 Update	SGJ	

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

Activity ID	Activity Name
RAB-59-0560	059 - Install Railing - 152m
RAB-59-0550	059 - Install Cat Ladder and Roof Hatch
External Finishes	
Facade	
RAB-59-0480	059 - External Painting
RAB-59-0650	059 - Make good external surfaces
RAB-59-0590	059 - Dismantle Scaffolding
At Grade	
RAB-59-6700	059 - Prepare Sub Grade
RAB-59-6690	059 - Laying Geo Textile
RAB-59-6710	059 - Lay Granular Sub-Base
RAB-59-6720	059 - Laying Course
RAB-59-6680	059 - Concrete Block Paving
RAB-59-0670	059 - Snagging and Remedials
Glazed Canopy	
RAB-59-0610	059 - Construct high level glazed canopy at +13.406mPD North
RAB-59-0620	059 - Construct high level glazed canopy at +13.231mPD South
Utilities and Drainage	
RAB-59-7370	059 - Install FS Water Main
RAB-59-7350	059 - Install Flushing Water Mains
RAB-59-7360	059 - Install Fresh Water Mains
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)	
Commencement	
Completion	
Bldg. 059 Ready for FS Inspection (C8 Requirement)	
RAB-FSD-530	059 - Submit Form WWO 46 Part IV
RAB-FSD-540	059 - Submit Form WWO 46 Part V
RAB-FSD-760	059 - Submit Form 501 to FSD for FS Inspection For Building 059
RAB-FSD-740	059 - FSD Inspection Period For Building 059
RAB-FSD-750	059 - Fire Certificate Obtained (Form 172) Handover For Building 05
Bldg. 059 for FS Inspection (Due to C3 Work Interface)	
RAB-FSD-470	059 - Submit Form 501 to FSD for FS Inspection For Building 059
Engineer (AECOM)	
RAB-59-7520	059 - Submit Building 059 As Built Drawings to Engineer
Bldg. 059 Ready for Engineer Inspection (C8 Requirement)	
Bldg. 059 Ready for Engineer Inspection (Due to C3 Work Interface)	



Remaining Level of Effort
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining ...
Finish Constraint

3-Month Rolling Programme Update, 01 Sep. 2017

RAB6			
Date	Revision	Checked	Approved
01-Sep-17	3-Month Rolling Programme, 01 Sep-17 Update	SGJ	

Contract No.: HY/2013/06

Activity ID	Activity Name
Hong Kong-Zhuhai_Macao Bridge Hong Kong Boundary Crossing F	
Key Dates	
Interface Activities	
Site and Facility Inspection	
JS1200	Pre Site and Facility Inspection by Contractor at Location 4 - Deg2
JS1210	Joint Site and Facility Inspection with Interface Contractor at Location 4 - Deg2
JS1620	Pre Site and Facility Inspection by Contractor at Location 14 - Deg2
JS1630	Joint Site and Facility Inspection with Interface Contractor at Location 14 - Deg2
JS1760	Pre Site and Facility Inspection by Contractor at Location 18 - Deg1
JS1770	Joint Site and Facility Inspection with Interface Contractor at Location 18 - Deg1
JS1780	Pre Site and Facility Inspection by Contractor at Location 18 - Deg2
JS1790	Joint Site and Facility Inspection with Interface Contractor at Location 18 - Deg2
Access Dates	
AD1000	Location 1(PCB (001) Basement)-Deg1 (270d)
AD1010	Location 1(PCB (001) Basement)-Deg2 (380d)
AD1020	Location 1(PCB (001) ELV Room (Grid Line E3))-Deg1 (270d)
AD1030	Location 1(PCB (001) ELV Room (Grid Line E3))-Deg2 (380d)
AD1040	Location 2(PCB (001) First Floor Main Server Room)-Deg1 (330d)
AD1050	Location 2(PCB (001) First Floor Main Server Room)-Deg2 (380d)
AD1060	Location 2(PCB (001) First Floor Main Server Room) - For Server Installation - Deg2 (:
AD1070	Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3)) - Deg1 (330d)
AD1080	Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) -
AD1090	Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) -
AD1130	Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)-Deg2 (500d)
AD1150	Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,129,14
AD1170	Location 3a(Inbd Cargo Exam Bldg (037) ROCARS Room)-Deg2 (480d)
AD1190	Location 3a(Inbd Cargo Exam Bldg (037) Main Server Room)-Deg2 (480d)
AD1200	Location 3a(Inbd Cargo Exam Bldg (037) Main Server Room) - For Server installation -
AD1220	Location 4(Outbd Cargo Exam Bldg (023))-Deg2 (680d)
AD1240	Location 4a(Outbd Cargo Exam Bldg (023))-Deg2 (630d)
AD1270	Location 6(Common Utility Enclosure & Staff Subway)-Deg1 (400d)
AD1290	Location 7(Common Utility Enclosure & Staff Subway)-Deg1 (270d)
AD1300	Location 8(Inbd Private Car Annex (025))-Deg1 (430d)
AD1310	Location 8(Inbd Private Car Annex (025))-Deg2 (580d)
AD1320	Location 8(Inbd Private Car Annex (025) Canopy)-Deg1 (430d)
AD1330	Location 8(Inbd Private Car Annex (025) Canopy)-Deg2 (580d)
AD1340	Location 9(Outbd Private Car Annex (032))-Deg1 (520d)
AD1350	Location 9(Outbd Private Car Annex (032))-Deg2 (660d)
AD1360	Location 9(Outbd Private Car Annex (032) Canopy)-Deg1 (520d)
AD1370	Location 9(Outbd Private Car Annex (032) Canopy)-Deg2 (660d)
AD1501	Location 12(Inbd Private Car Kiosks(027))-Deg1 (400d) Phase 2
AD1510	Location 12(Inbd Private Car Kiosks(027))-Deg2 (480d) Phase 1
AD1511	Location 12(Inbd Private Car Kiosks(027))-Deg2 (480d) Phase 2
AD1521	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg1 (400d) Phase 2

Programme No.: HZMB-DWP
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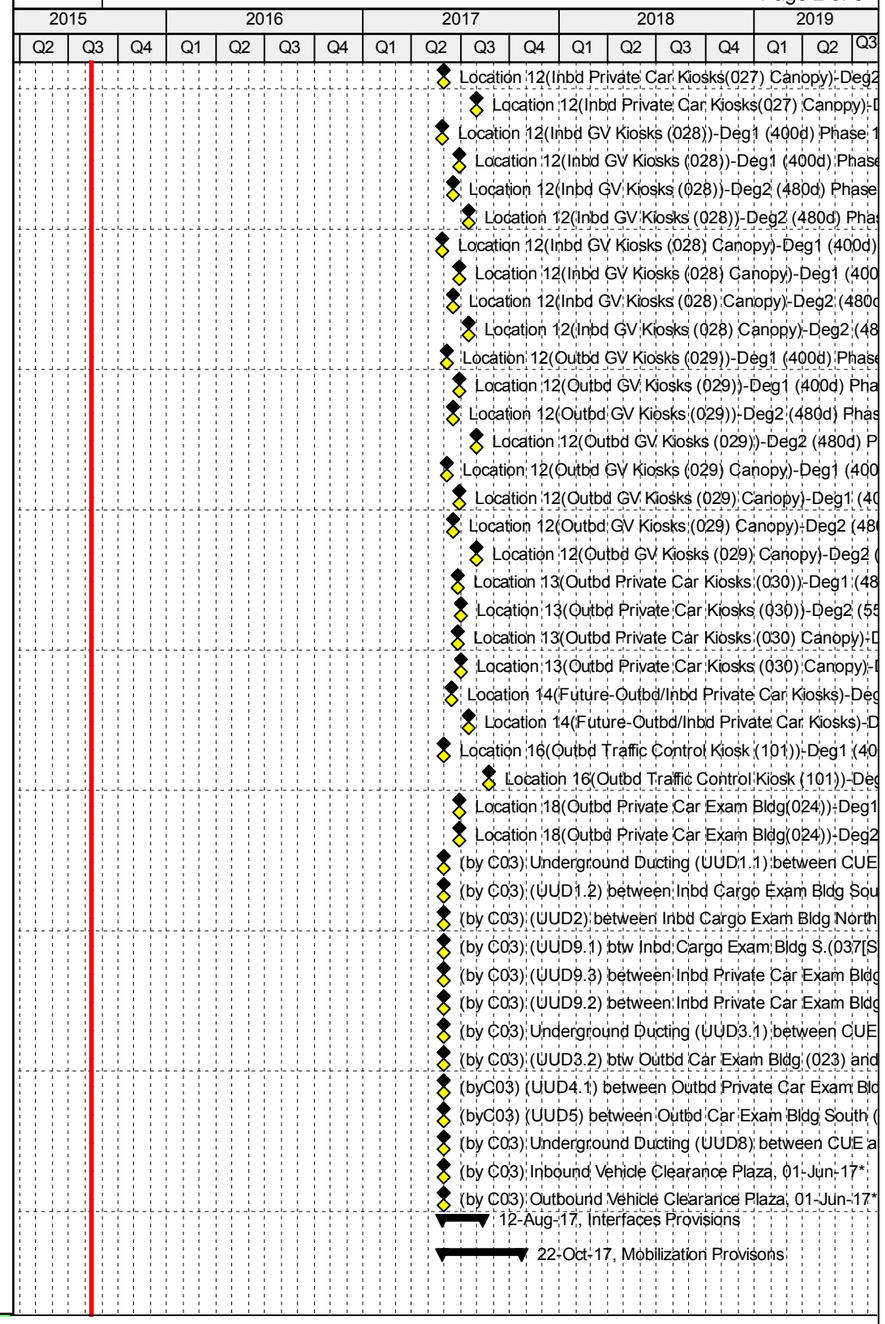
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing
Facilities - Automatic Vehicle
Clearance Support System (AVCSS)

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC
10-Mar-17	Rev.: 1.0a	WC	LC
5-May-17	Rev.: 1.0b	WC	LC

Contract No.: HY/2013/06

Activity ID	Activity Name
AD1530	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg2 (480d) Phase 1
AD1531	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg2 (480d) Phase 2
AD1540	Location 12(Inbd GV Kiosks (028))-Deg1 (400d) Phase 1
AD1541	Location 12(Inbd GV Kiosks (028))-Deg1 (400d) Phase 2
AD1550	Location 12(Inbd GV Kiosks (028))-Deg2 (480d) Phase 1
AD1551	Location 12(Inbd GV Kiosks (028))-Deg2 (480d) Phase 2
AD1560	Location 12(Inbd GV Kiosks (028) Canopy)-Deg1 (400d) Phase 1
AD1561	Location 12(Inbd GV Kiosks (028) Canopy)-Deg1 (400d) Phase 2
AD1570	Location 12(Inbd GV Kiosks (028) Canopy)-Deg2 (480d) Phase 1
AD1571	Location 12(Inbd GV Kiosks (028) Canopy)-Deg2 (480d) Phase 2
AD1580	Location 12(Outbd GV Kiosks (029))-Deg1 (400d) Phase 1
AD1581	Location 12(Outbd GV Kiosks (029))-Deg1 (400d) Phase 2
AD1590	Location 12(Outbd GV Kiosks (029))-Deg2 (480d) Phase 1
AD1591	Location 12(Outbd GV Kiosks (029))-Deg2 (480d) Phase 2
AD1600	Location 12(Outbd GV Kiosks (029) Canopy)-Deg1 (400d) Phase 1
AD1601	Location 12(Outbd GV Kiosks (029) Canopy)-Deg1 (400d) Phase 2
AD1610	Location 12(Outbd GV Kiosks (029) Canopy)-Deg2 (480d) Phase 1
AD1611	Location 12(Outbd GV Kiosks (029) Canopy)-Deg2 (480d) Phase 2
AD1620	Location 13(Outbd Private Car Kiosks (030))-Deg1 (480d) Phase 1
AD1630	Location 13(Outbd Private Car Kiosks (030))-Deg2 (550d) Phase 1
AD1640	Location 13(Outbd Private Car Kiosks (030) Canopy)-Deg1 (480d) Phase 1
AD1650	Location 13(Outbd Private Car Kiosks (030) Canopy)-Deg2 (550d) Phase 1
AD1660	Location 14(Future-Outbd/Inbd Private Car Kiosks)-Deg1 (610d)
AD1670	Location 14(Future-Outbd/Inbd Private Car Kiosks)-Deg2 (680d)
AD1700	Location 16(Outbd Traffic Control Kiosk (101))-Deg1 (400d)
AD1710	Location 16(Outbd Traffic Control Kiosk (101))-Deg2 (480d)
AD1740	Location 18(Outbd Private Car Exam Bldg(024))-Deg1 (-)
AD1750	Location 18(Outbd Private Car Exam Bldg(024))-Deg2 (670d)
AD1780	(by C03) Underground Ducting (UUD1.1) between CUE and Inbd Cargo Exam Bldg (0
AD1790	(by C03) (UUD1.2) between Inbd Cargo Exam Bldg South (037[S]) and DOH Cargo C
AD1800	(by C03) (UUD2) between Inbd Cargo Exam Bldg North (037[N]) and Inbd Vehicle Clea
AD1810	(by C03) (UUD9.1) btw Inbd Cargo Exam Bldg S.(037[S]) & Inbd PC Exam Bldg(033) &
AD1820	(by C03) (UUD9.3) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clearc
AD1830	(by C03) (UUD9.2) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clearc
AD1840	(by C03) Underground Ducting (UUD3.1) between CUE to Outbd Cargo Exam Bldg (0
AD1850	(by C03) (UUD3.2) btw Outbd Car Exam Bldg (023) and Outbd PC Exam Bldg (024) a
AD1860	(byC03) (UUD4.1) between Outbd Private Car Exam Bldg (024) and Outbd Vehicle Cle
AD1870	(byC03) (UUD5) between Outbd Car Exam Bldg South (023[S]) and Outbd Vehicle Cle
AD1880	(by C03) Underground Ducting (UUD8) between CUE and Outbd PCA (032)
AD1910	(by C03) Inbound Vehicle Clearance Plaza
AD1920	(by C03) Outbound Vehicle Clearance Plaza
Interfaces Provisions	
Mobilization Provisons	
WA4 Site Erection & Servicing	



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

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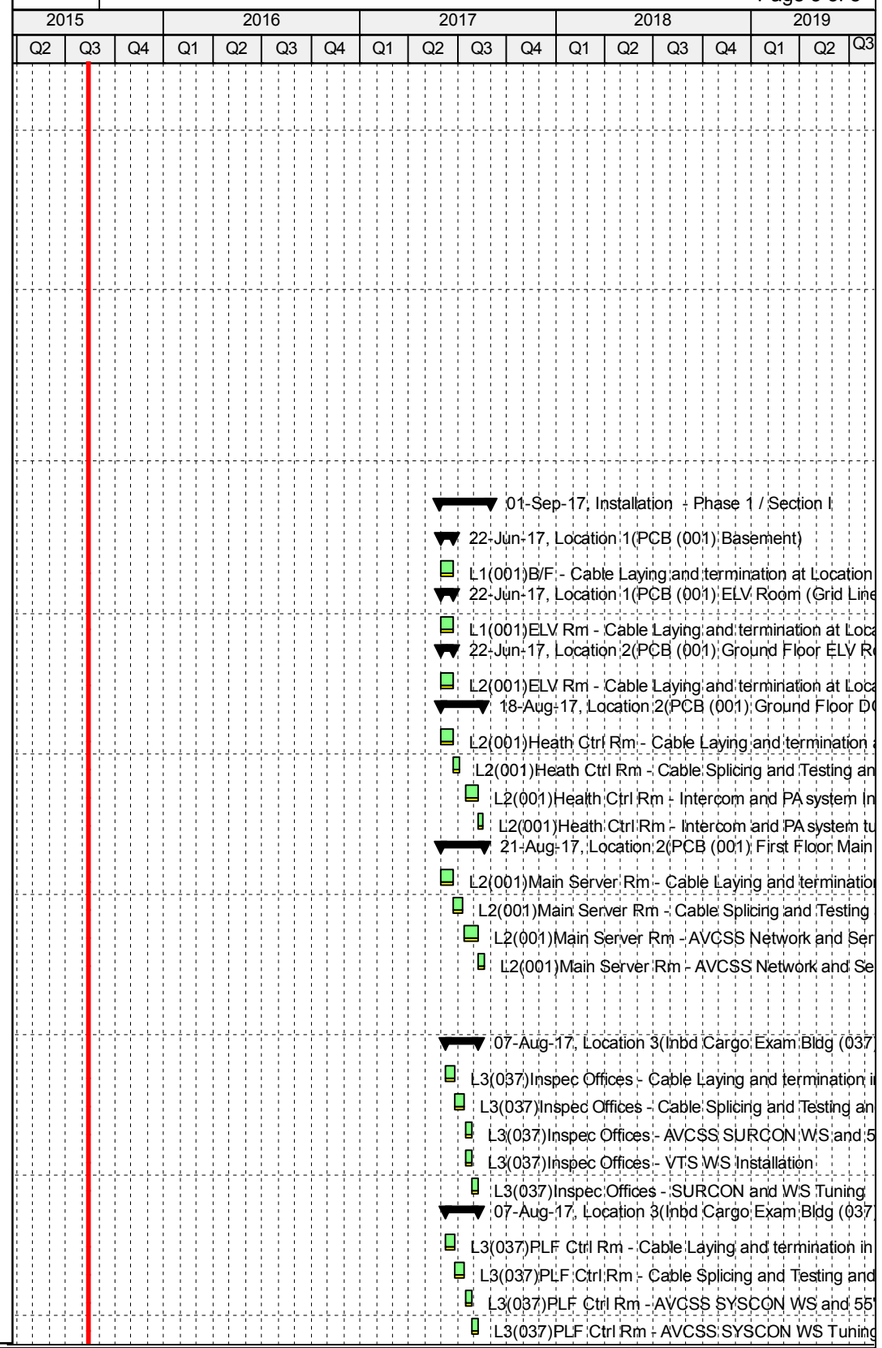
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing
Facilities - Automatic Vehicle
Clearance Support System (AVCSS)

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC
10-Mar-17	Rev.: 1.0a	WC	LC
5-May-17	Rev.: 1.0b	WC	LC

Activity ID	Activity Name
	Detailed Design Specification
	Contruction Design and Management
	Supply/Manufacture Mock-up items
	Supply/Manufacture prototypes
	Software Design, Coding and Testing
	Coding
	Software System Inetgration
	Prototype & Software Simulation Tests
	Procurement - Phase 1 / Section I
	Supply/Manufacture products for FAT
	Factory Acceptance Test (FAT)
	Supply/Manufacture Equipment
	Delivery and Bench Acceptance Test for Phase 1/ Section I
	Installation - Phase 1 / Section I
	Location 1(PCB (001) Basement)
EM1920	L1(001)B/F - Cable Laying and termination at Location 1 and Location 2
	Location 1(PCB (001) ELV Room (Grid Line E3))
EM1940	L1(001)ELV Rm - Cable Laying and termination at Location 1 and Location 2
	Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3))
EM1960	L2(001)ELV Rm - Cable Laying and termination at Location 1 and Location 2
	Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5))
EM1080	L2(001)Heath Ctrl Rm - Cable Laying and termination at Location 1 and Location 2
EM1100	L2(001)Heath Ctrl Rm - Cable Splicing and Testing and Labeling
EM1120	L2(001)Health Ctrl Rm - Intercom and PA system Installation
EM1140	L2(001)Heath Ctrl Rm - Intercom and PA system tuning
	Location 2(PCB (001) First Floor Main Server Room)
EM1000	L2(001)Main Server Rm - Cable Laying and termination at Location 1 and Location 2
EM1020	L2(001)Main Server Rm - Cable Splicing and Testing and Labeling
EM1040	L2(001)Main Server Rm - AVCSS Network and Server Installation
EM1060	L2(001)Main Server Rm - AVCSS Network and Server Tuning
	Location 3(Inbd Cargo Exam Bldg (037) MDF Room)
	Location 3(Inbd Cargo Exam Bldg (037) ELV Room)
	Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,129,14
EM2020	L3(037)Inspec Offices - Cable Laying and termination in Location 3 and Location 3a
EM2040	L3(037)Inspec Offices - Cable Splicing and Testing and Labeling
EM2060	L3(037)Inspec Offices - AVCSS SURCON WS and 55" LCD Installation
EM2080	L3(037)Inspec Offices - VTS WS Installation
EM2100	L3(037)Inspec Offices - SURCON and WS Tuning
	Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)
EM1160	L3(037)PLF Ctrl Rm - Cable Laying and termination in Location 3 and Location 3a
EM1180	L3(037)PLF Ctrl Rm - Cable Splicing and Testing and Labeling
EM1200	L3(037)PLF Ctrl Rm - AVCSS SYSCON WS and 55" TV Wall Installation
EM1220	L3(037)PLF Ctrl Rm - AVCSS SYSCON WS Tuning



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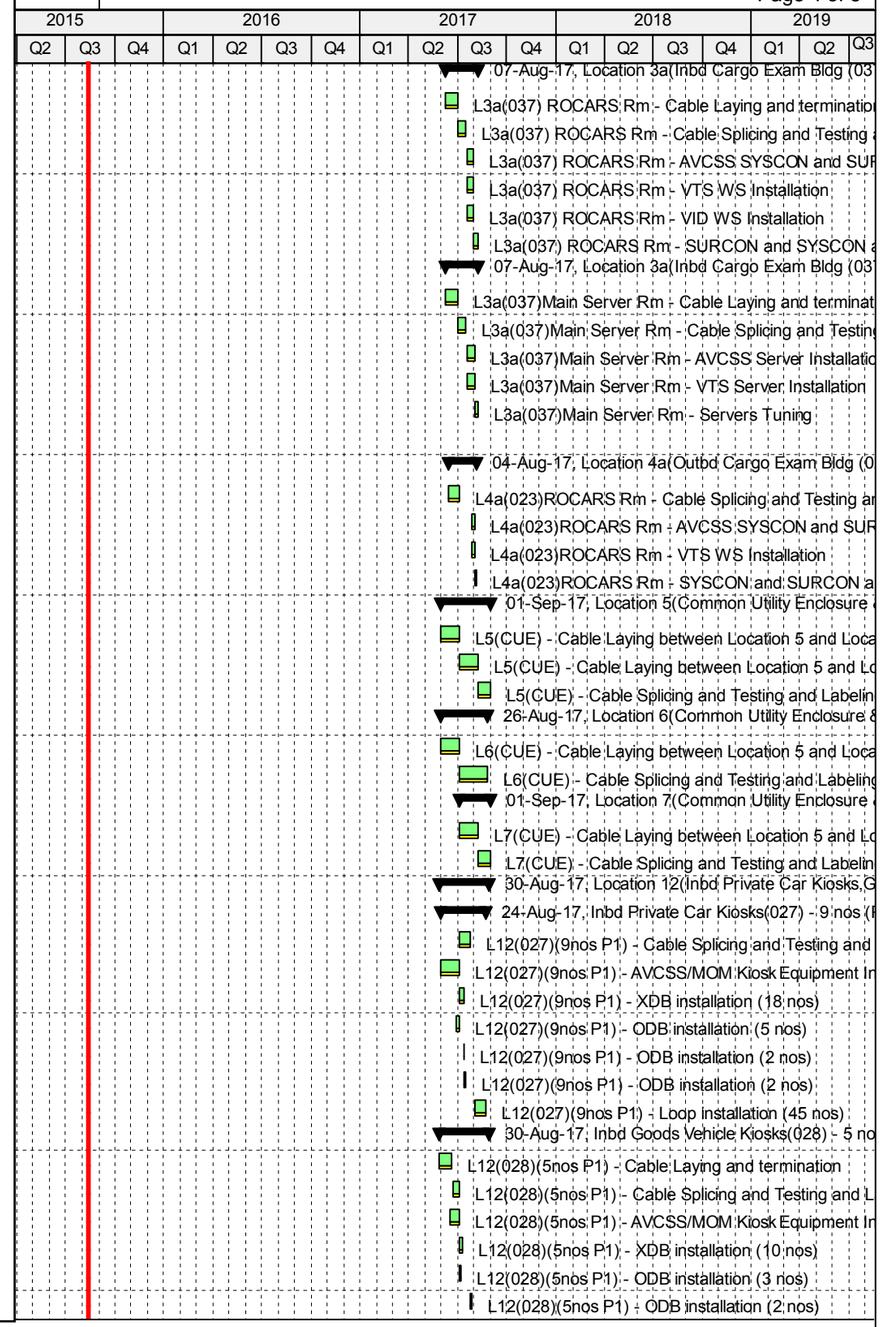
Activity ID	Activity Name
Location 3a(Inbd Cargo Exam Bldg (037) ROCARS Room)	
EM1240	L3a(037) ROCARS Rm - Cable Laying and termination in Location 3 and Location 3a
EM1260	L3a(037) ROCARS Rm - Cable Splicing and Testing and Labeling
EM1280	L3a(037) ROCARS Rm - AVCSS SYSCON and SURCON and Intercom Installation
EM1300	L3a(037) ROCARS Rm - VTS WS Installation
EM1320	L3a(037) ROCARS Rm - VID WS Installation
EM1340	L3a(037) ROCARS Rm - SURCON and SYSCON and WS Tuning
Location 3a(Inbd Cargo Exam Bldg (037) Main Server Room)	
EM2120	L3a(037)Main Server Rm - Cable Laying and termination in Location 3 and Location 3a
EM2140	L3a(037)Main Server Rm - Cable Splicing and Testing and Labeling
EM2160	L3a(037)Main Server Rm - AVCSS Server Installation
EM2180	L3a(037)Main Server Rm - VTS Server Installation
EM2200	L3a(037)Main Server Rm - Servers Tuning
Location 4(Outbd Cargo Exam Bldg (023) MDF Room)	
Location 4a(Outbd Cargo Exam Bldg (023) ROCARS Room)	
EM2240	L4a(023)ROCARS Rm - Cable Splicing and Testing and Labeling
EM2260	L4a(023)ROCARS Rm - AVCSS SYSCON and SURCON and Intercom Installation
EM2280	L4a(023)ROCARS Rm - VTS WS Installation
EM2300	L4a(023)ROCARS Rm - SYSCON and SURCON and WS Tuning
Location 5(Common Utility Enclosure & Staff Subway)	
EM2341	L5(CUE) - Cable Laying between Location 5 and Location 6
EM2361	L5(CUE) - Cable Laying between Location 5 and Location 7
EM2380	L5(CUE) - Cable Splicing and Testing and Labeling
Location 6(Common Utility Enclosure & Staff Subway)	
EM2400	L6(CUE) - Cable Laying between Location 5 and Location 6
EM2420	L6(CUE) - Cable Splicing and Testing and Labeling
Location 7(Common Utility Enclosure & Staff Subway)	
EM2440	L7(CUE) - Cable Laying between Location 5 and Location 7
EM2460	L7(CUE) - Cable Splicing and Testing and Labeling
Location 12(Inbd Private Car Kiosks,GV Kiosks (027,028,029))	
Inbd Private Car Kiosks(027) - 9 nos (Phase 1)	
EM1500	L12(027)(9nos P1) - Cable Splicing and Testing and Labeling
EM1520	L12(027)(9nos P1) - AVCSS/MOM Kiosk Equipment Installation (9 nos)
EM1541	L12(027)(9nos P1) - XDB installation (18 nos)
EM1542	L12(027)(9nos P1) - ODB installation (5 nos)
EM1543	L12(027)(9nos P1) - ODB installation (2 nos)
EM1544	L12(027)(9nos P1) - ODB installation (2 nos)
EM1560	L12(027)(9nos P1) - Loop installation (45 nos)
Inbd Goods Vehicle Kiosks(028) - 5 nos (Phase 1)	
EM1620	L12(028)(5nos P1) - Cable Laying and termination
EM1640	L12(028)(5nos P1) - Cable Splicing and Testing and Labeling
EM1660	L12(028)(5nos P1) - AVCSS/MOM Kiosk Equipment Installation (5 nos)
EM1681	L12(028)(5nos P1) - XDB installation (10 nos)
EM1682	L12(028)(5nos P1) - ODB installation (3 nos)
EM1683	L12(028)(5nos P1) - ODB installation (2 nos)



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Hong Kong-Zhuhai-Macao Bridge
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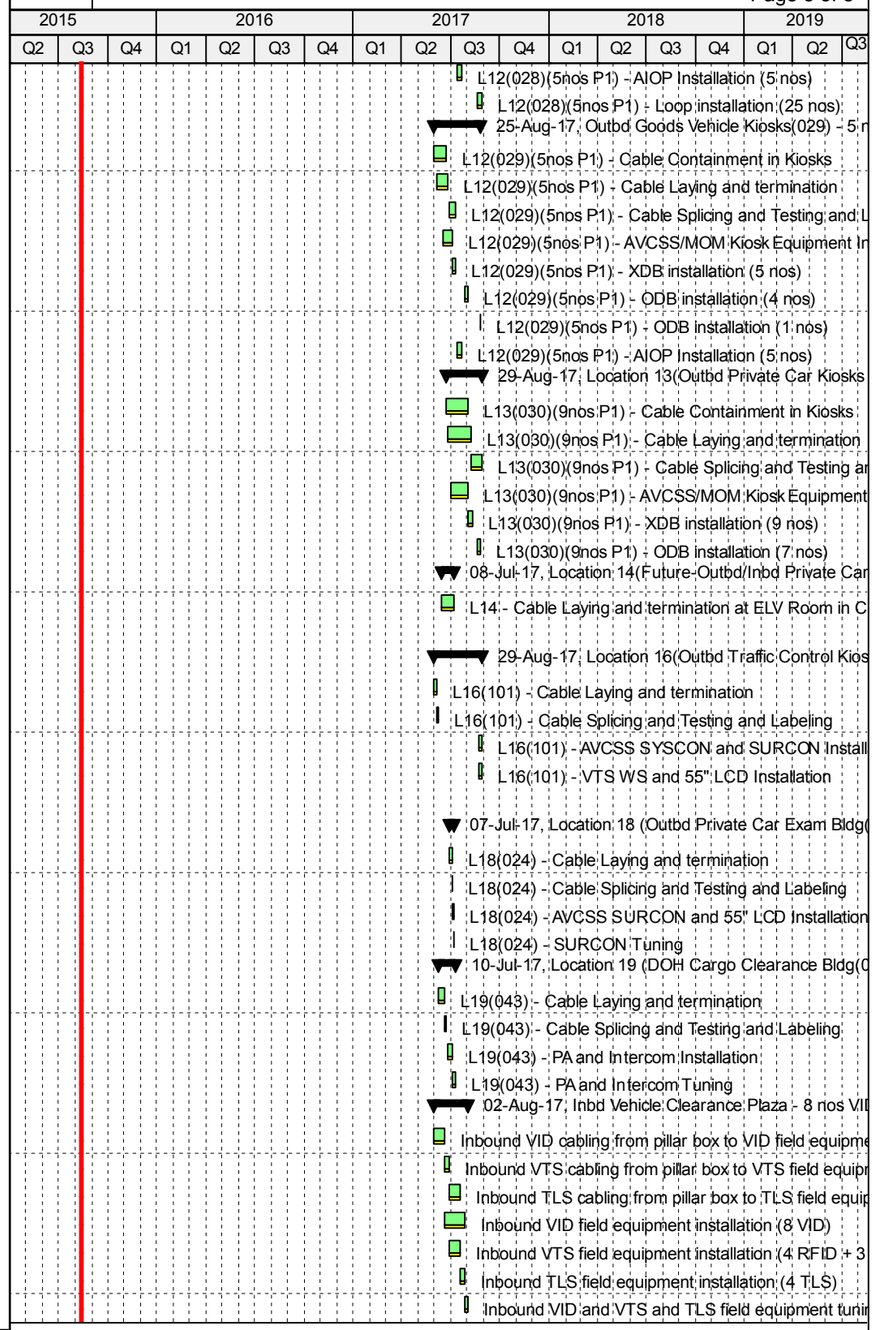
Contract No.: HY/2013/06

Activity ID	Activity Name
EM1700	L12(028)(5nos P1) - AIOP Installation (5 nos)
EM1720	L12(028)(5nos P1) - Loop installation (25 nos)
Outbd Goods Vehicle Kiosks(029) - 5 nos (Phase 1)	
EM1740	L12(029)(5nos P1) - Cable Containment in Kiosks
EM1760	L12(029)(5nos P1) - Cable Laying and termination
EM1780	L12(029)(5nos P1) - Cable Splicing and Testing and Labeling
EM1800	L12(029)(5nos P1) - AVCSS/MOM Kiosk Equipment Installation (5 nos)
EM1821	L12(029)(5nos P1) - XDB installation (5 nos)
EM1822	L12(029)(5nos P1) - ODB installation (4 nos)
EM1823	L12(029)(5nos P1) - ODB installation (1 nos)
EM1840	L12(029)(5nos P1) - AIOP Installation (5 nos)
Location 13(Outbd Private Car Kiosks (030)) - 9 nos (Phase 1)	
EM2520	L13(030)(9nos P1) - Cable Containment in Kiosks
EM2540	L13(030)(9nos P1) - Cable Laying and termination
EM2560	L13(030)(9nos P1) - Cable Splicing and Testing and Labeling
EM2580	L13(030)(9nos P1) - AVCSS/MOM Kiosk Equipment Installation (9 nos)
EM2601	L13(030)(9nos P1) - XDB installation (9 nos)
EM2602	L13(030)(9nos P1) - ODB installation (7 nos)
Location 14(Future-Outbd/Inbd Private Car Kiosks) - 6+6 nos	
EM1440	L14 - Cable Laying and termination at ELV Room in CUE
Location 15(Inbd Traffic Control Kiosk (100))	
Location 16(Outbd Traffic Control Kiosk (101))	
EM2760	L16(101) - Cable Laying and termination
EM2780	L16(101) - Cable Splicing and Testing and Labeling
EM2800	L16(101) - AVCSS SYSCON and SURCON Installation
EM2820	L16(101) - VTS WS and 55" LCD Installation
Location 17(Inbd Private Car Exam Bldg(033) Operational Office)	
Location 18 (Outbd Private Car Exam Bldg(024) Operational Office)	
EM2940	L18(024) - Cable Laying and termination
EM2960	L18(024) - Cable Splicing and Testing and Labeling
EM2980	L18(024) - AVCSS SURCON and 55" LCD Installation
EM3000	L18(024) - SURCON Tuning
Location 19 (DOH Cargo Clearance Bldg(043))	
EM1360	L19(043) - Cable Laying and termination
EM1380	L19(043) - Cable Splicing and Testing and Labeling
EM1400	L19(043) - PA and Intercom Installation
EM1420	L19(043) - PA and Intercom Tuning
Inbd Vehicle Clearance Plaza - 8 nos VID, 7 nos VTS, 4 nos TLS	
EM3020	Inbound VID cabling from pillar box to VID field equipment
EM3040	Inbound VTS cabling from pillar box to VTS field equipment
EM3060	Inbound TLS cabling from pillar box to TLS field equipment
EM3080	Inbound VID field equipment installation (8 VID)
EM3100	Inbound VTS field equipment installation (4 RFID + 3 Cameras)
EM3120	Inbound TLS field equipment installation (4 TLS)
EM3140	Inbound VID and VTS and TLS field equipment tuning



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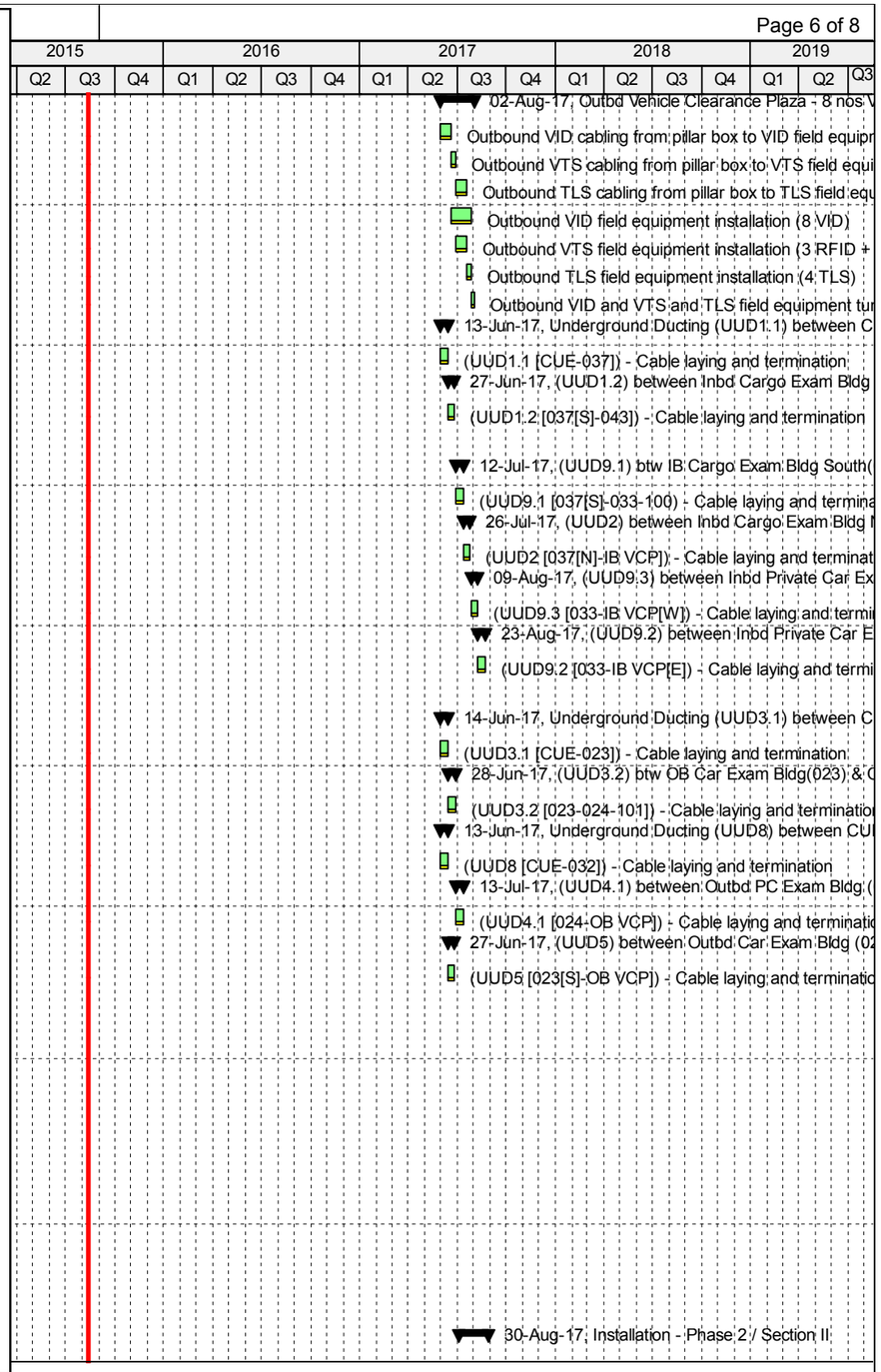
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing
Facilities - Automatic Vehicle
Clearance Support System (AVCSS)

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC
10-Mar-17	Rev.: 1.0a	WC	LC
5-May-17	Rev.: 1.0b	WC	LC

Activity ID	Activity Name
Outbd Vehicle Clearance Plaza - 8 nos VID, 6 nos VTS, 4 nos TLS	
EM3160	Outbound VID cabling from pillar box to VID field equipment
EM3180	Outbound VTS cabling from pillar box to VTS field equipment
EM3200	Outbound TLS cabling from pillar box to TLS field equipment
EM3220	Outbound VID field equipment installation (8 VID)
EM3240	Outbound VTS field equipment installation (3 RFID + 3 Cameras)
EM3260	Outbound TLS field equipment installation (4 TLS)
EM3280	Outbound VID and VTS and TLS field equipment tuning
Underground Ducting (UUD1.1) between CUE and Inbd Cargo Exam Bldg (037)	
UD1000	(UUD1.1 [CUE-037]) - Cable laying and termination
(UUD1.2) between Inbd Cargo Exam Bldg South (037[S]) and DOH Cargo Clearance Bl	
UD1060	(UUD1.2 [037[S]-043]) - Cable laying and termination
Underground Ducting (UUD6) between CUE and Shuttle Bus Kiosk (006) and Inbd Priv	
(UUD9.1) btw IB Cargo Exam Bldg South(037[S]) & IB PC Exam Bldg(033) & IB Traffic	
UD1040	(UUD9.1 [037[S]-033-100) - Cable laying and termination
(UUD2) between Inbd Cargo Exam Bldg North (037[N]) to Inbd VCP	
UD1010	(UUD2 [037[N]-IB VCP]) - Cable laying and termination
(UUD9.3) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clearance Plaza	
UD1070	(UUD9.3 [033-IB VCP[W]) - Cable laying and termination
(UUD9.2) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clearance Plaza	
UD1020	(UUD9.2 [033-IB VCP[E]) - Cable laying and termination
Underground Ducting (UUD7) between PCB(001) and Inbd Coach Kiosks(010)	
Underground Ducting (UUD3.1) between CUE and Outbd Cargo Exam Bldg (023)	
UD1030	(UUD3.1 [CUE-023]) - Cable laying and termination
(UUD3.2) btw OB Car Exam Bldg(023) & OB PC Exam Bldg(024) & OB Traffic Control I	
UD1050	(UUD3.2 [023-024-101]) - Cable laying and termination
Underground Ducting (UUD8) between CUE and Outbd PCA (032)	
UD1100	(UUD8 [CUE-032]) - Cable laying and termination
(UUD4.1) between Outbd PC Exam Bldg (024) and Outbd Vehicle Clearance Plaza	
UD1080	(UUD4.1 [024-OB VCP]) - Cable laying and termination
(UUD5) between Outbd Car Exam Bldg (023[S]) and Outbd Vehicle Clearance Plaza	
UD1090	(UUD5 [023[S]-OB VCP]) - Cable laying and termination
Initial On-Site Test and Commissioning / Pre-SAT (Phase 1 / Section I)	
Site Acceptance Test (Phase 1 / Section I)	
Security Risk Assessment and Audit	
Operability Period Test (Phase 1 / Section I)	
Completion (Phase 1 /Section I)	
Training and Document (Phase 1 /Section I)	
Operation (Phase 1 /Section I)	
Engineering Support for Phase 1 / Section I	
Procurement - Phase 2 / Section II	
Delivery and Bench Acceptance Test for Phase 2/Section II	
Installation - Phase 2 / Section II	



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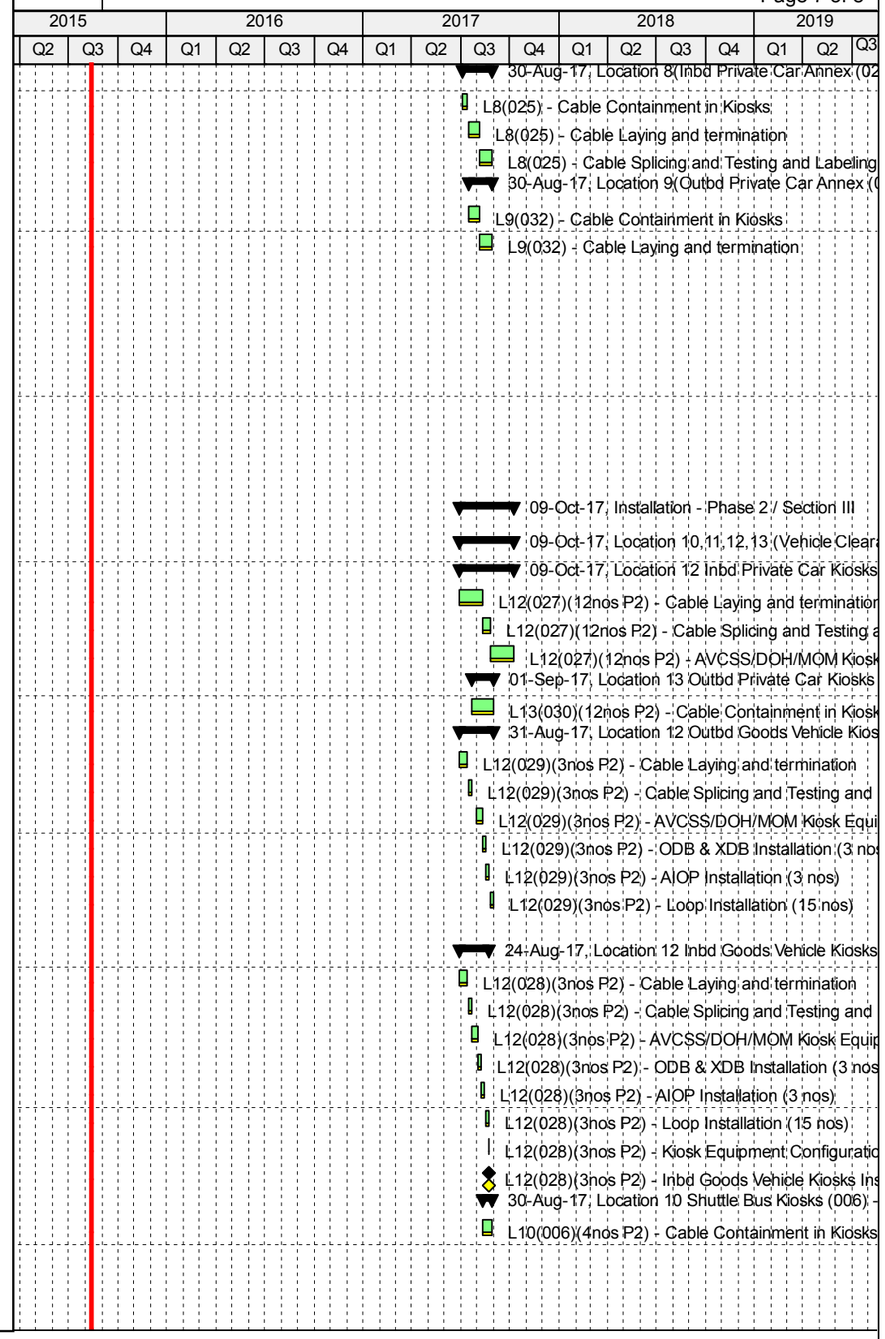
Activity ID	Activity Name
	Location 8(Inbd Private Car Annex (025)) (Phase 2)
EM3370	L8(025) - Cable Containment in Kiosks
EM3380	L8(025) - Cable Laying and termination
EM3400	L8(025) - Cable Splicing and Testing and Labeling
	Location 9(Outbd Private Car Annex (032)) (Phase 2)
EM3500	L9(032) - Cable Containment in Kiosks
EM3520	L9(032) - Cable Laying and termination
	Initial On-Site Test and Commissioning / Pre-SAT (Phase 2 / Section II)
	Site Acceptance Test (Phase 2 / Section II)
	Operability Period Test (Phase 2 / Section II)
	Completion (Phase 2 / Section II)
	Engineering Support for Phase 2 / Section II
	Procurement for Phase2 / Section III
	Delivery and Bench Acceptance Test for Phase2 / Section III
	Installation - Phase 2 / Section III
	Location 10,11,12,13 (Vehicle Clearance Kiosks)
	Location 12 Inbd Private Car Kiosks (027) - 12 nos (Phase 2)
EM4440	L12(027)(12nos P2) - Cable Laying and termination
EM4460	L12(027)(12nos P2) - Cable Splicing and Testing and Labeling
EM4480	L12(027)(12nos P2) - AVCSS/DOH/MOM Kiosk Equipment Installation (12 nos)
	Location 13 Outbd Private Car Kiosks (030) - 12 nos (Phase 2)
EM4560	L13(030)(12nos P2) - Cable Containment in Kiosks
	Location 12 Outbd Goods Vehicle Kiosks (029) - 3 nos (Phase 2)
EM4880	L12(029)(3nos P2) - Cable Laying and termination
EM4900	L12(029)(3nos P2) - Cable Splicing and Testing and Labeling
EM4920	L12(029)(3nos P2) - AVCSS/DOH/MOM Kiosk Equipment Installation (3 nos)
EM4940	L12(029)(3nos P2) - ODB & XDB Installation (3 nos)
EM4960	L12(029)(3nos P2) - AIOP Installation (3 nos)
EM4980	L12(029)(3nos P2) - Loop Installation (15 nos)
	Location 11 Outbd Coach Kiosks (009) - 4 nos (Phase 2)
	Location 12 Inbd Goods Vehicle Kiosks (028) - 3 nos (Phase 2)
EM4720	L12(028)(3nos P2) - Cable Laying and termination
EM4740	L12(028)(3nos P2) - Cable Splicing and Testing and Labeling
EM4760	L12(028)(3nos P2) - AVCSS/DOH/MOM Kiosk Equipment Installation (3 nos)
EM4780	L12(028)(3nos P2) - ODB & XDB Installation (3 nos)
EM4800	L12(028)(3nos P2) - AIOP Installation (3 nos)
EM4820	L12(028)(3nos P2) - Loop Installation (15 nos)
EM4840	L12(028)(3nos P2) - Kiosk Equipment Configuration (3 nos)
EM5120	L12(028)(3nos P2) - Inbd Goods Vehicle Kiosks Installation Complete
	Location 10 Shuttle Bus Kiosks (006) - 4 nos (Phase 2)
EM4000	L10(006)(4nos P2) - Cable Containment in Kiosks
	Location 11 Inbd Coach Kiosks (010) - 2 nos (Phase 2)-1
	Location 11 Inbd Coach Kiosks (010) - 2 nos (Phase 2)-2
	Initial On-Site Test and Commissioning / Pre-SAT (Phase 2 / Section III)



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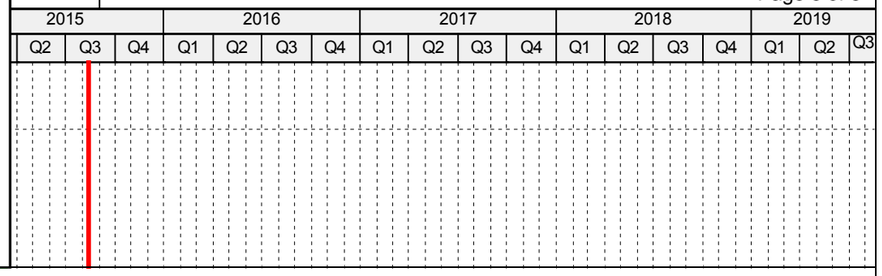
Activity ID	Activity Name
	Site Acceptance Test (Phase 2 / Section III)
	Operability Period Test (Phase 2 / Section III)
	Completion (Phase 2 / Section III)
	Operation (Phase 2 / Section III)
	Defect Liability Period (DLP)
	Document Submission (Phase 2 / Section III)



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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 Exa**
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

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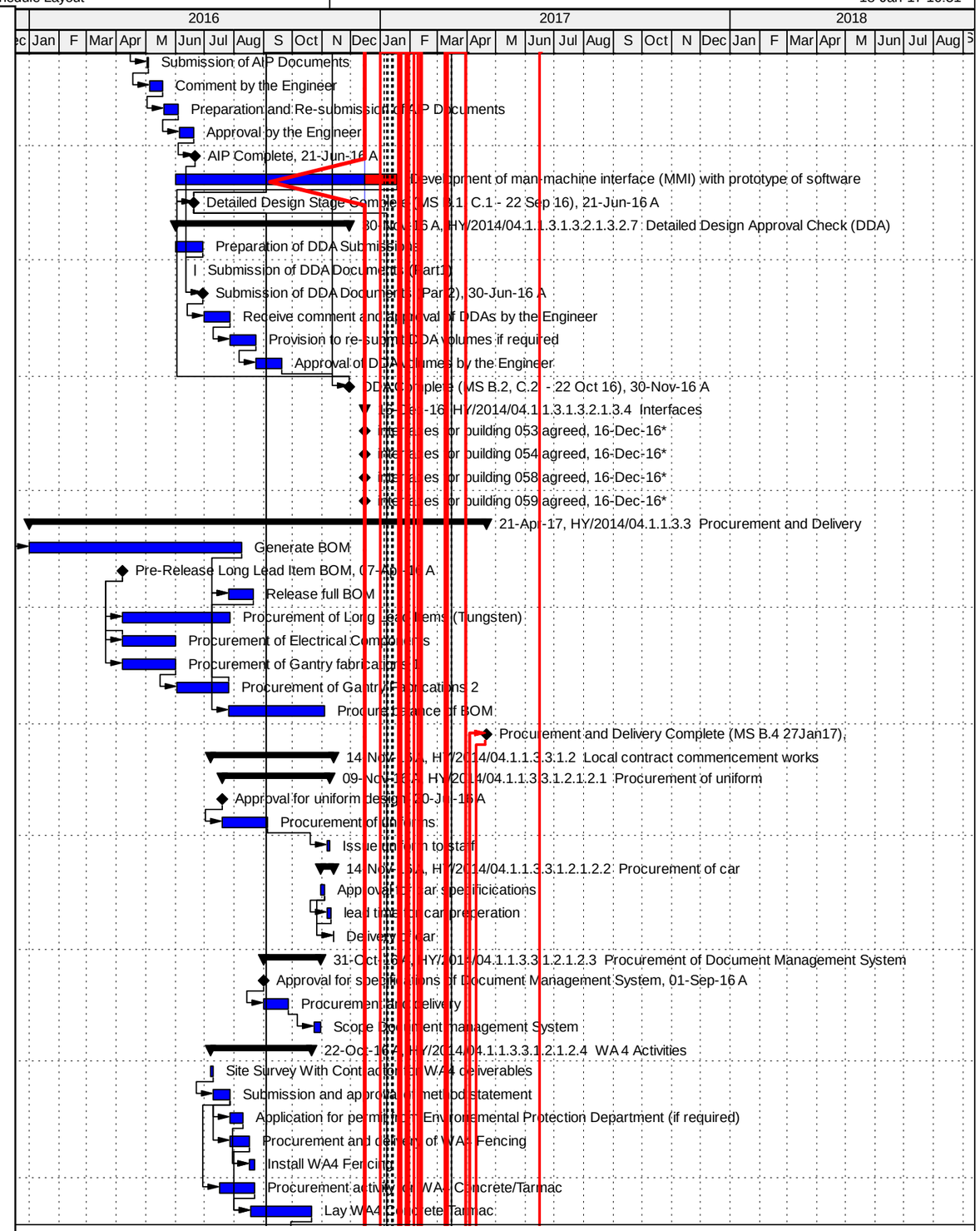
Activity ID	Activity Name
37	Submission of AIP Documents
38	Comment by the Engineer
39	Preparation and Re-submission of AIP Documents
40	Approval by the Engineer
41	AIP Complete
42	Development of man-machine interface (MMI) wi
51	Detailed Design Stage Complete (MS B.1, C.1 - 2
HY/2014/04.1.1.3.1.3.2.1.3.2.7	**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 I
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 w**
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
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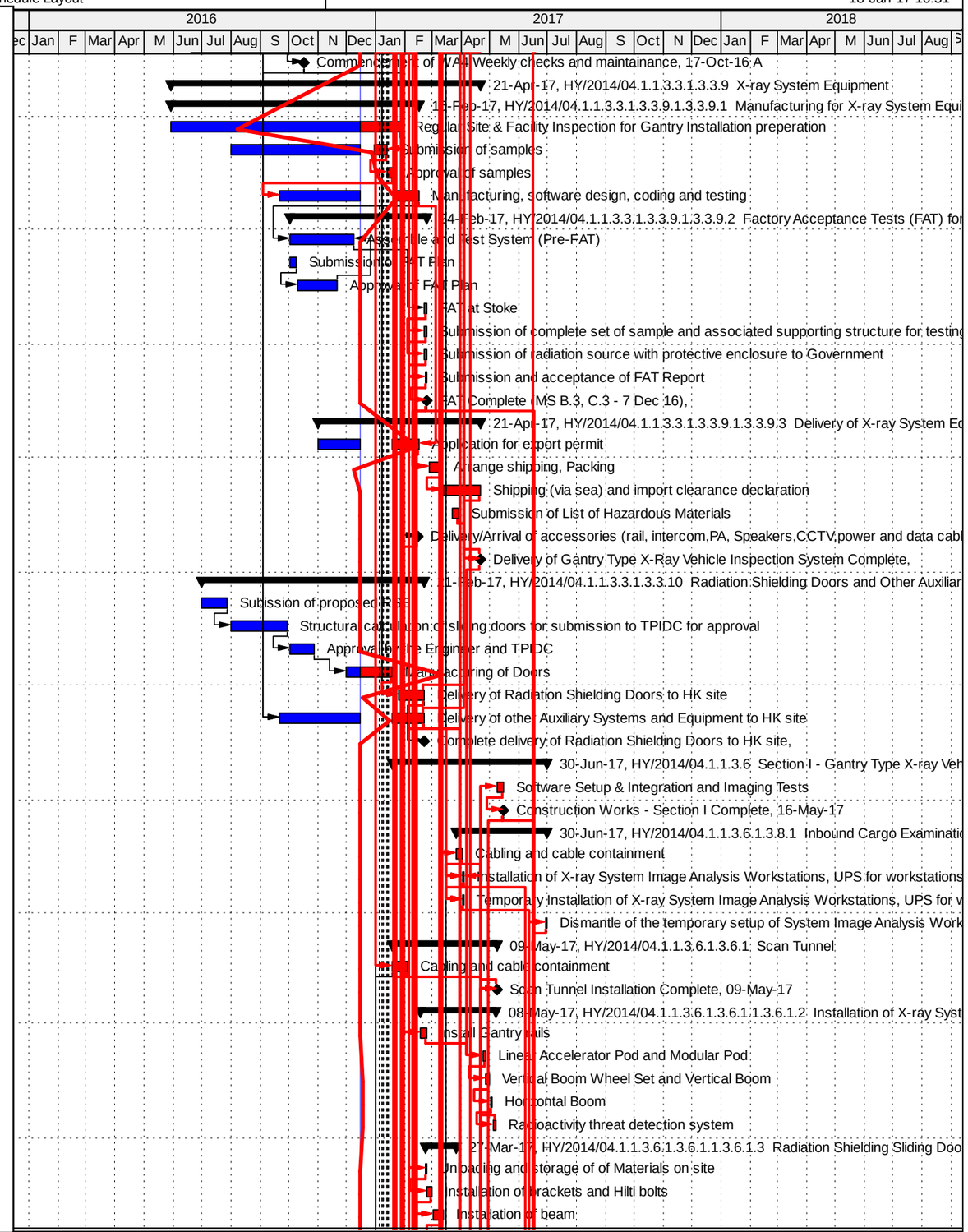
Activity ID	Activity Name
26	Commencement of WA4 Weekly checks and ma
HY/2014/04.1.1.3.3.1.3.3.9	X-ray System Equipment
HY/2014/04.1.1.3.3.1.3.3.9.1.3.3.9.1	Manufacturing for
63	Regular Site & Facility Inspection for Gantry Insta
64	Submission of samples
65	Approval of samples
66	Manufacturing, software design, coding and testin
HY/2014/04.1.1.3.3.1.3.3.9.1.3.3.9.2	Factory Acceptan
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 Inspectior
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 submis
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 tc
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



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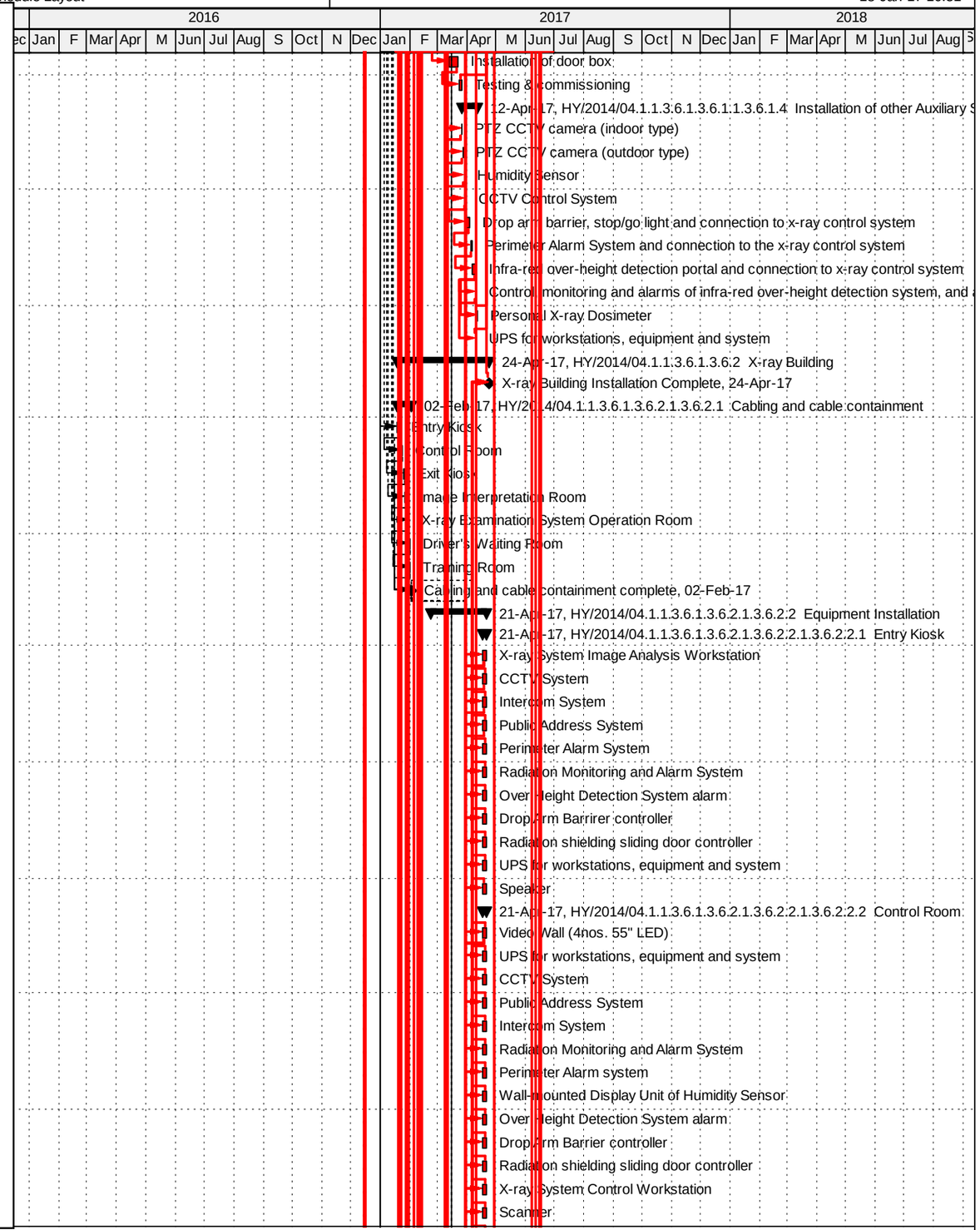
Activity ID	Activity Name
127	Installation of door box
128	Testing & commissioning
HY/2014/04.1.1.3.6.1.3.6.1.1.3.6.1.4	Installation of oth
130	PTZ CCTV camera (indoor type)
131	PTZ CCTV camera (outdoor type)
132	Humidity Sensor
133	CCTV Control System
134	Drop arm barrier, stop/go light and connection 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-
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



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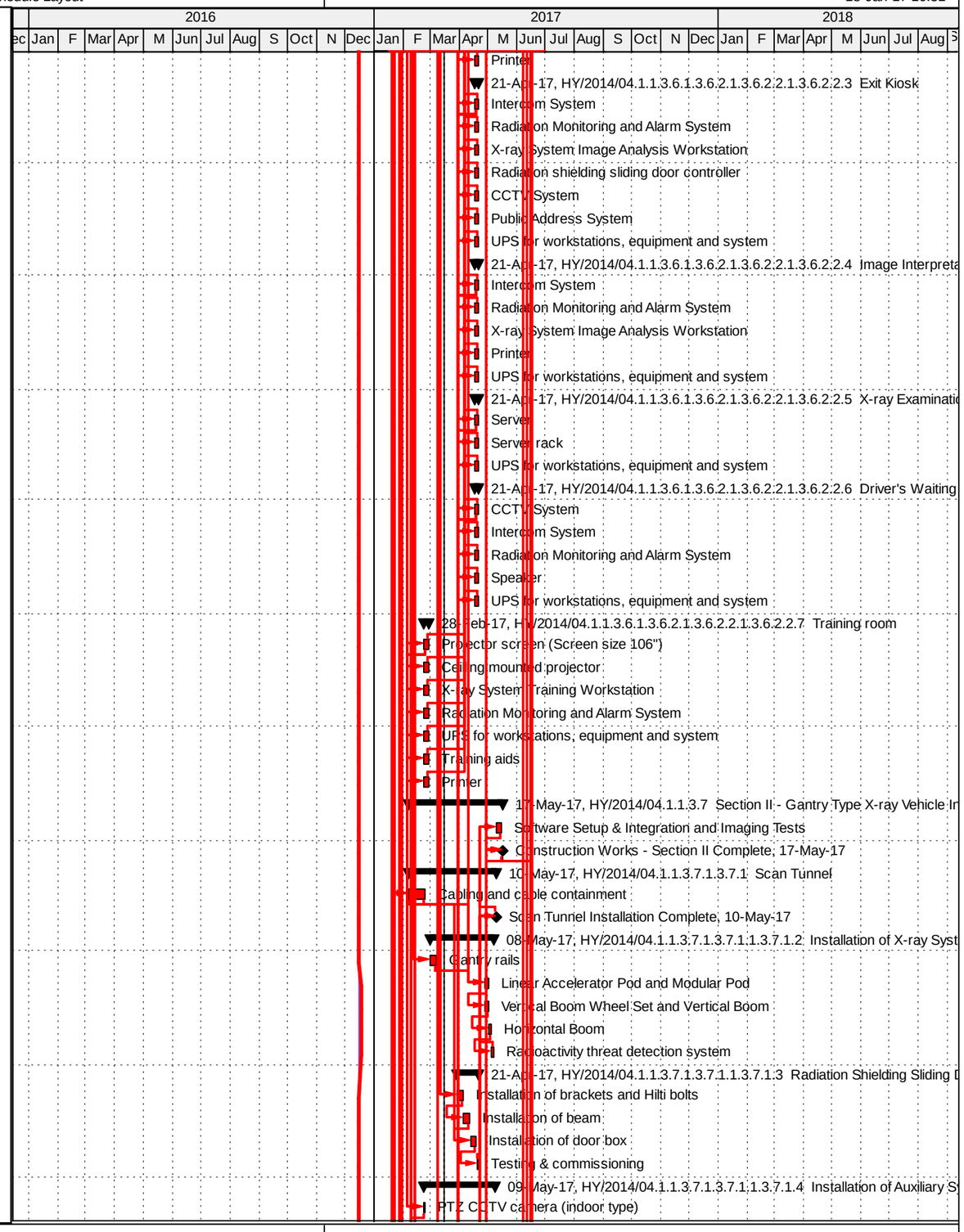
Activity ID	Activity Name
:	Printer
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.3 Exit K	
:	Intercom System
:	Radiation Monitoring and Alarm System
:	X-ray System Image Analysis Workstation
:	Radiation shielding sliding door controller
:	CCTV System
:	Public Address System
:	UPS for workstations, 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 Train	
:	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

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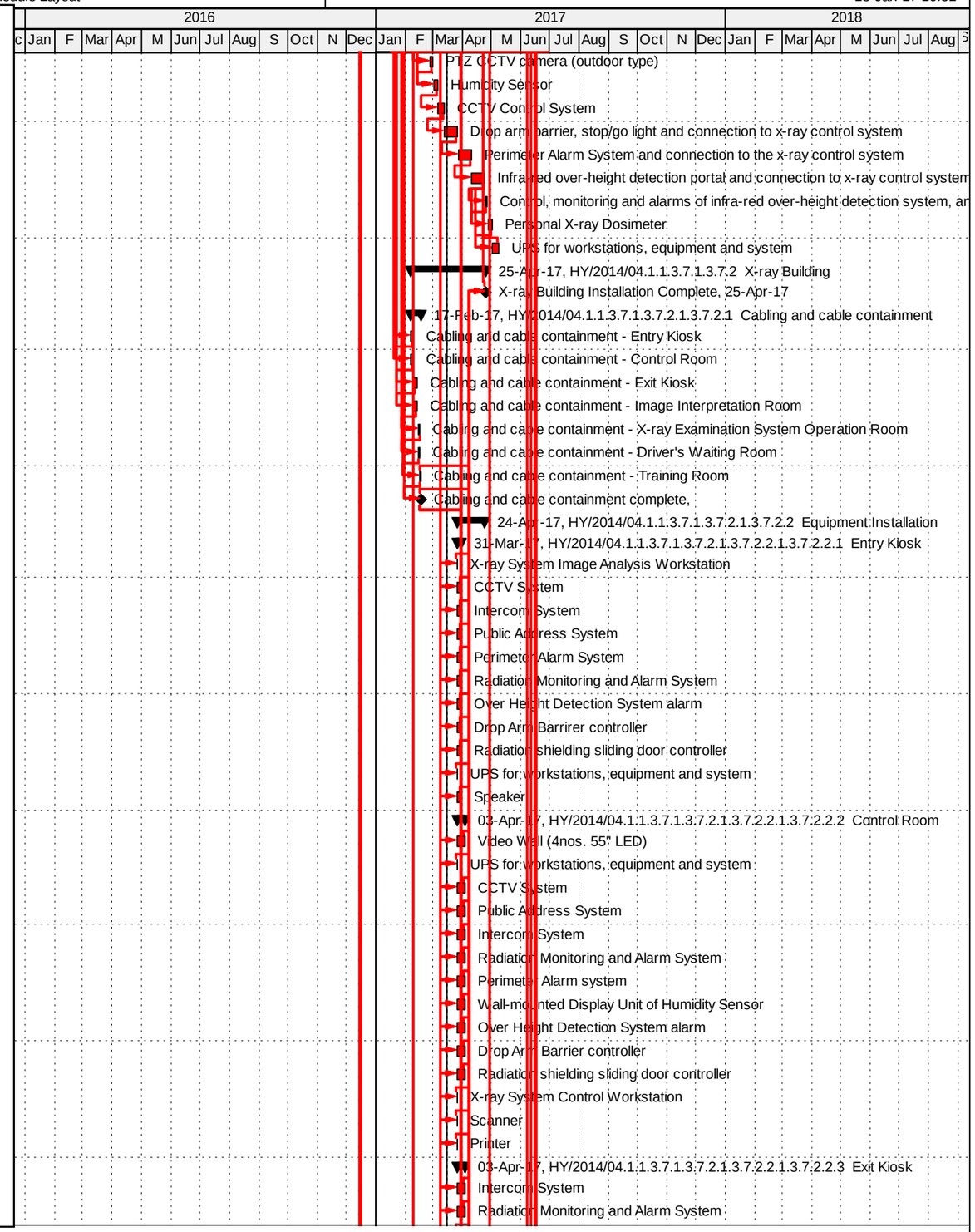
Activity ID	Activity Name
230	PTZ CCTV camera (outdoor type)
231	Humidity Sensor
232	CCTV Control System
233	Drop arm barrier, stop/go light and connection to
234	Perimeter Alarm System and connection to the x-
235	Infra-red over-height detection portal and connec
236	Control, monitoring and alarms of infra-red over-
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 Interpret
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	
2	X-ray System Image Analysis Workstation
2	CCTV System
2	Intercom System
2	Public Address System
2	Perimeter Alarm System
2	Radiation Monitoring and Alarm System
2	Over Height Detection System alarm
2	Drop Arm Barrirer controller
2	Radiation shielding sliding door controller
2	UPS for workstations, equipment and system
2	Speaker
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.2 Cont	
2	Video Wall (4nos. 55" LED)
2	UPS for workstations, equipment and system
2	CCTV System
2	Public Address System
2	Intercom System
2	Radiation Monitoring and Alarm System
2	Perimeter Alarm system
2	Wall-mounted Display Unit of Humidity Sensor
2	Over Height Detection System alarm
2	Drop Arm Barrier controller
2	Radiation shielding sliding door controller
2	X-ray System Control Workstation
2	Scanner
2	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	
2	Intercom System
2	Radiation Monitoring and Alarm System



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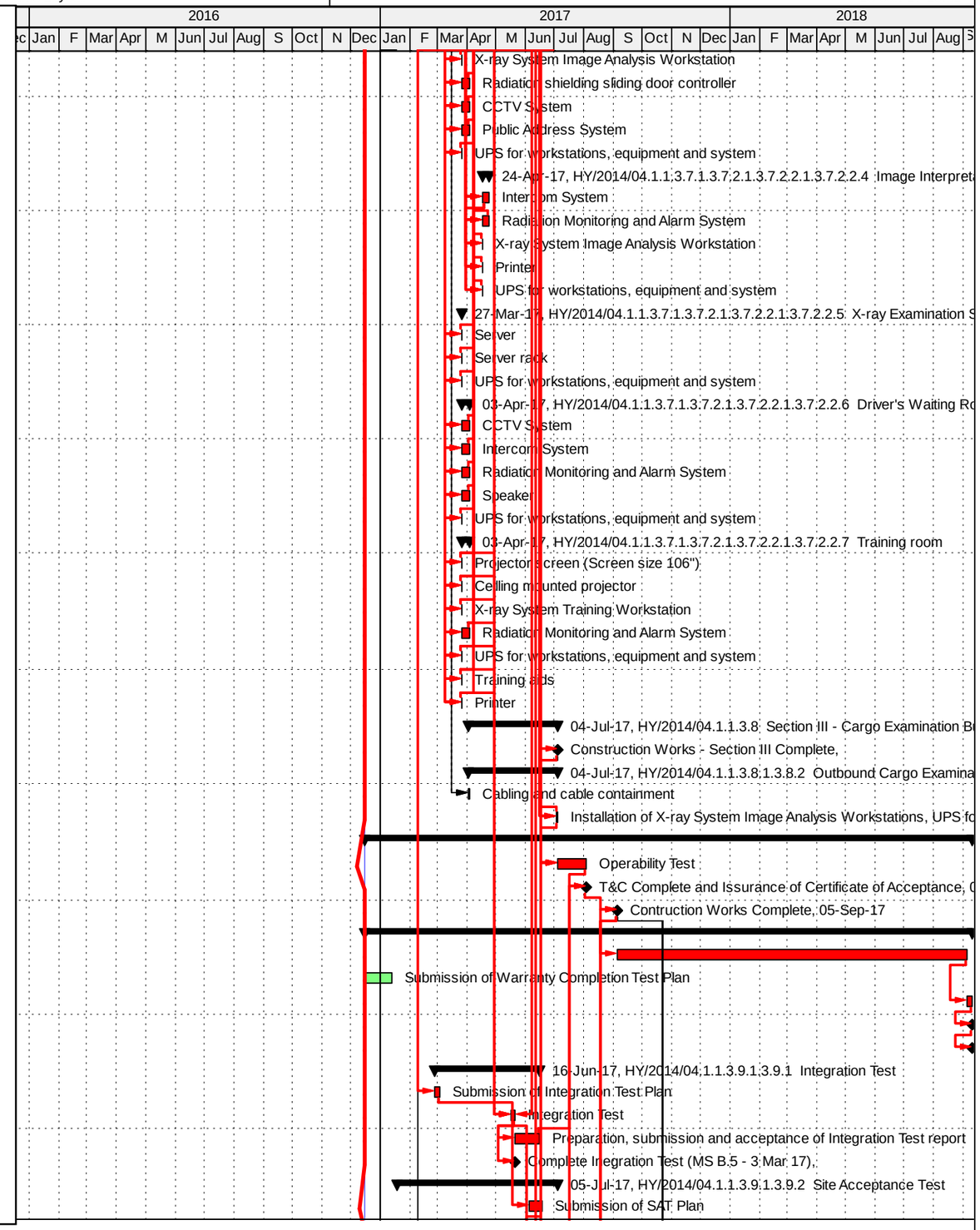
Activity ID	Activity Name
	X-ray System Image Analysis Workstation
	Radiation shielding sliding door controller
	CCTV System
	Public Address System
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.4	**Imag**
	Intercom System
	Radiation Monitoring and Alarm System
	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	**Train**
	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 Inte
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

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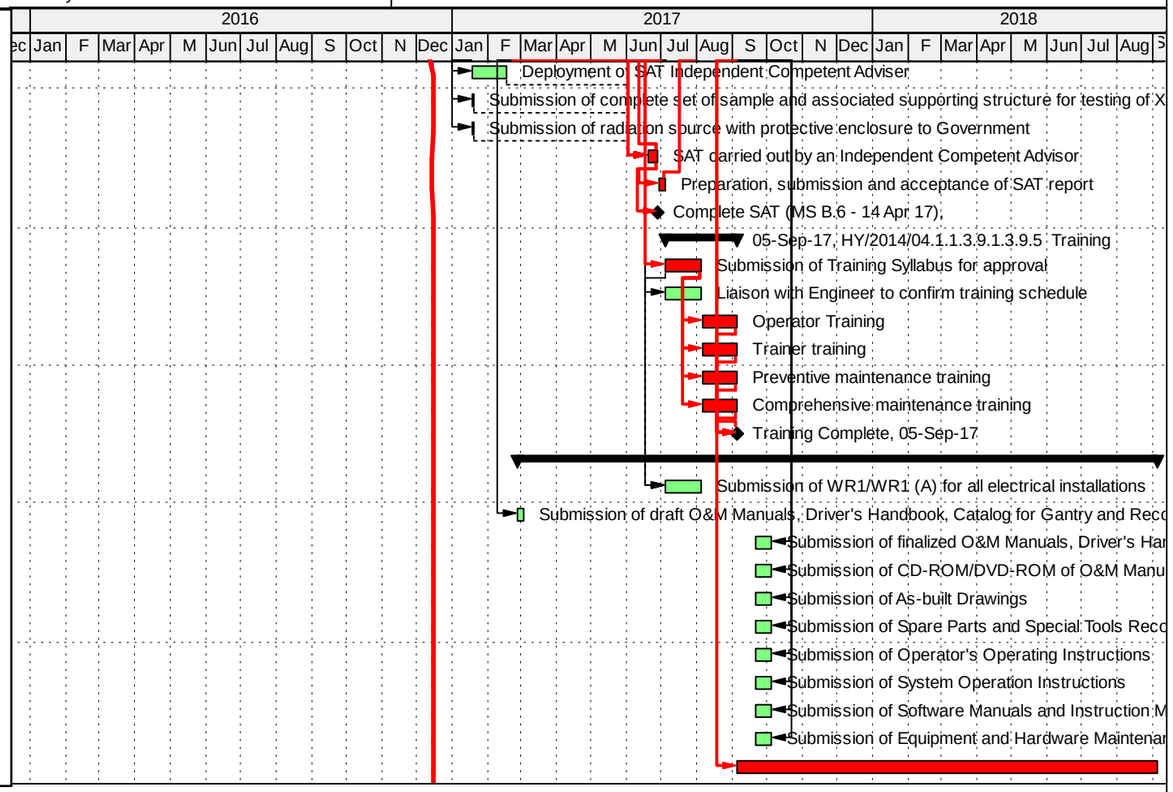
Activity ID	Activity Name
330	Deployment of SAT Independent Competent Advi
331	Submission of complete set of sample and asso
332	Submission of radiation source with protective er
333	SAT carried out by an Independent Competent A
334	Preparation, submission and acceptance of SAT
334.5	Complete SAT (MS 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 Han
349	Submission of finalized O&M Manuals, Driver's H
350	Submission of CD-ROM/DVD-ROM of O&M Ma
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 Mainter
357	Submission of Software License Installation Disk



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