

**Client:** Melbourne Airport

**Contract No:** CP14038-01

**Prepared By:** Giuliano Follacchio

**Project:** Taxiway Zulu

**Reviewed By:** Giuliano Follacchio

**Date:** 12/4/24

**Construction Process:** AGL MAG Signs

**Approved By:** Giuliano Follacchio

**Date:** 12/4/24

**Specifications:** ZULU-BECA-001-SPC-00003

**Structure / Component:** AGL

sLot No:

Lot Details:

Lot size/Quantity:

Date:

Item No.	Task / Activity Description	Inspection/Test					HP / WP AP / IP / TP / SCP	Responsibility Project Engineer Superintendent Surveyor Foreman	Checked by:			
		Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity			Subcontractor	Beca	FH	Date
<b>1.0</b>	<b>Preliminary Works</b>											
1.1	Check for correct documentation	Prior to commencing any activity	Ensure that all employees and subcontractors are using the latest and complete set of drawings	IFC Drawings	Verify	Drawings	IP	Project Engineer				
1.2	Implementation of all measures and controls	Prior to commencing any activities	All necessary measures and controls are being implemented, that is PSP, EMP, TMP, SWMS & WP.	PSP, EMP, TMP, JSEA, SWMS, WP	Verify	Site and office Inspection	HP*	Project Engineer / Site Supervisor				
1.3	Material/Equipment Approvals	Prior to start	All materials shall be proven to meet contractual requirements prior to acceptance. MAGS shall be from ATG Airfield guidance signs range. Any deviation from the above suppliers shall be submitted to the Contract Administrator for approval prior to ordering.	ZULU-BECA-001-SPC-00003 cl 2.3	Verify	Aconex reference(s)	HP*	Project Engineer				

**Client:** Melbourne Airport

**Contract No:** CP14038-01

**Prepared By:** Giuliano Follacchio

**Project:** Taxiway Zulu

**Reviewed By:** Giuliano Follacchio

**Date:** 12/4/24

**Construction Process:** AGL MAG Signs

**Approved By:** Giuliano Follacchio

**Date:** 12/4/24

**Specifications:** ZULU-BECA-001-SPC-00003

**Structure / Component:** AGL

Item No.	Task / Activity Description	Inspection/Test					HP / WP AP / IP / TP /SCP	Responsibility Project Engineer Superintendent Surveyor Foreman	Checked by:				
		Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity			Subcontractor	Beca	FH	Date	
2.0	Installation of MAG Sign Footing												
2.1	MAG Sign Base	Each lot	Position of rectangular base to be as per set out coordinated listed in MAG schedule.  150mm thick class 2 crushed rock base layer compacted to 98% STD on prepared subgrade.  Subgrade Bearing strength of 130kPA confirmed by a qualified geotechnical engineer on behalf of the contractor before placing membrane, reinforcement or concrete.  50mm blinding concrete between subgrade and foundation.  Slab thickness to be 300mm for all H<900mm signs, min. 32 MPa concrete.  Footing to be placed flush with FSL when placed in pavement surfaced areas.	ZULU-BECA-023-DWG-07502	Visual Inspection	This ITP signed  DCP test result  Concrete test certificate  Avionics Installation of New MAG Slab and Sign checklist	IP	Project Engineer					

**Client:** Melbourne Airport

**Contract No:** CP14038-01

**Prepared By:** Giuliano Follacchio

**Project:** Taxiway Zulu

**Reviewed By:** Giuliano Follacchio

**Date:** 12/4/24

**Construction Process:** AGL MAG Signs

**Approved By:** Giuliano Follacchio

**Date:** 12/4/24

**Specifications:** ZULU-BECA-001-SPC-00003

**Structure / Component:** AGL

Item No.	Task / Activity Description	Inspection/Test					HP / WP AP / IP / TP / SCP	Responsibility Project Engineer Superintendent Surveyor Foreman	Checked by:			
		Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity			Subcontractor	Beca	FH	Date
			N12-200 top and bottom reinforcing bars with minimum 50mm cover from edge of concrete.  Sign mounting brackets and frangible coupling as per manufacturers guidelines									
<b>3.0</b>	<b>Installation of MAG Sign</b>											
3.1	Luminaire Circuit	Each lot	Each luminaire fitting shall be installed on the appropriate circuit as specified in the AGL schedule.	ZULU-BECA-024-DWG-09001-16	Verify	This ITP signed  As-Built Documentation	IP	Project Engineer				
3.2	MAG Sign Face	Each lot	All MAGS that are to be mounted on frangible couplings. The provision of internal illumination of the MAGS shall be as detailed on the Drawings.  Bird spikes provided with MAGS  Chain tether installed on side further from taxiway and installed as per manufacturer's recommendations	ZULU-BECA-001-SPC-00003 cl 4.7.1	Verify	This ITP signed  Avionics Installation of New MAG Slab and Sign checklist	IP	Project Engineer				

**Client:** Melbourne Airport

**Contract No:** CP14038-01

**Prepared By:** Giuliano Follacchio

**Project:** Taxiway Zulu

**Reviewed By:** Giuliano Follacchio

**Date:** 12/4/24

**Construction Process:** AGL MAG Signs

**Approved By:** Giuliano Follacchio

**Date:** 12/4/24

**Specifications:** ZULU-BECA-001-SPC-00003

**Structure / Component:** AGL

Item No.	Task / Activity Description	Inspection/Test					HP / WP AP / IP / TP /SCP	Responsibility Project Engineer Superintendent Surveyor Foreman	Checked by:			
		Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity			Subcontractor	Beca	FH	Date
			Where multiple panels are required, the inscription shall appear continuous over any joint and shall only include a bar if the bar is part of the inscription.									
<b>4.0</b>	<b>Post Construction</b>											
4.1	As-Built	Each lot	Submission of surveyed luminaire position to superintendent prior to practical completion	WP-001-09	Verify	SCP	<b>IP</b>	Project Engineer				


**Final Inspection**

The signature below verifies that this ITP has been completed in accordance with the Fulton Hogan's Quality system Procedures and verifies lot compliance with specifications.


**Print Name:**
**Position:**
**Signature:**
**Date:**        /        /

**Legend:**

<b>HP</b>	Hold Point	Work shall not proceed past the HP until released by the Superintendent	<b>IP</b>	Inspection point	Formal Inspection to be done and recorded
<b>HP*</b>	Fulton Hogan Hold Point	Work shall not proceed past the HP* until released by Fulton Hogan	<b>TP</b>	Test Point	Product compliance test to be undertaken and recorded/reported
<b>WP</b>	Witness Point	An inspection which must be witnessed by the Superintendent	<b>SCP</b>	Survey conformance point	A qualified surveyor to check product/section/structure and report
<b>AP</b>	Approval Point	Written or verbal approval given by the Superintendent			

	Inspection and Test Plan - Control and Supervision of the Works		Doc ID: FH-ZU2-QU-ITP028
		REV: 0	
Client: Melbourne Airport		Contract No: CP14038-01	Prepared By: Giuliano Follacchio
Project: Taxiway Zulu		Reviewed By: Giuliano Follacchio	Date: 12/4/24
Construction Process: AGL MAG Signs		Approved By: Giuliano Follacchio	Date: 12/4/24
Specifications: ZULU-BECA-001-SPC-00003			
Structure / Component: AGL			
Notes			

# Installation of new MAG Slab and Sign

	Pit ID:				
	Pit Type:				
	Class:				
	Manufacturer:				
Task Details		Signature:	Date:	Name:	Status:
Task number 1: PRE-WORKS - Permit to excavate completed, reviewed and approved for works (By Fulton Hogan). - Existing services identified and exposed in accordance with permit to excavate (By Fulton hogan). - Ensure isolation of all services in area (if required).					
Task number 2: CIVIL WORKS - Ensure Surveyor mark out correct position, orientation of the mag slab. - Excavate hole for Mag Slab. As per drawings (noting the varying foundation sizes). - Position stabilised sand in excavation and level as per spec. - Installation of Mag Slab aligned with survey marks also to suit conduit and as per the manufacturers recommendations using suitable lifting equipment.					
Task number 3: CIVIL WORKS - Run the secondary and earth conduit into Mag Slab as per spec. - Backfill around Mag Slab and make level with ground. - Install the earth stake as per spec. - Clean area and demobilize.					
Task number 4: ELECTRICAL WORKS - Ensure studs for MAG legs are installed as per spec and manufacturers recommendations. - Mount MAG sign on slab, ensuring positioned correctly.					
Task number 5: ELECTRICAL WORKS - Ensure all secondary and earth cables have been installed correctly (BY ADB SAFEGATE)					
Task number 6: ELECTRICAL WORKS - Connect, Energise Mag Sign and confirm it is working. - Demobilise. - Complete FOD walk.					