Item No.	Task/Activity Description	Inspection/Test					HP/ WP/ AP/ IP/ TP/ SCP	Responsibility			
		Frequency	Acceptance Criteria	Reference Documents	Inspection/ Test Method	Record of conformity		Project Engineer Principal's Rep. Surveyor Foreman			
1.0	**Preliminary Activities – Permits, Documentation, Approvals, Survey Documentation**										
1.1	Check for correct documentation	Prior to commencing activity	Ensure that all employees and subcontractors are: - using the correct and complete set of drawings. - all drawings are the latest revision.	Drawings / Aconex Register	Verify	Drawings and drawing registers	HP*	Project Engineer / Site Engineer			
1.2	Implementation of all measures and controls	Prior to commencing activity	All necessary measures and controls being implemented, that is PSP, EMP, TMP, SWMS & WP.	PSP, EMP, TMP, JSEA, SWMS, WP	Visual inspection	This ITP signed	HP*	Project Engineer / Site Engineer			
1.3	Survey Checks	Prior to commencing activity	Check survey to be completed of all footing positions prior to placing any of the panels.	Drawings	Verify	This ITP signed Survey Report	HP*	Project Engineer / Site Engineer / Surveyor			
1.4	Submission & approval of shop drawings	Prior to commencing activity	**HOLD POINT** Submit shop drawings to the principal's representative for approval prior to fabrication commencement. Items to include but not limited to: • HV Kiosk • ATS • DB-GEN • 400 KW Load Bank	ZULU-BECA-001-SPC-00005 Drawings	Verify	Aconex Reference	**HP**	Project Engineer / Site Engineer **/ Principals Representative**			
1.5	Material Submissions	Prior to commencing activity	**HOLD POINT** Items to include but not limited to: - Bonding Conductors - Copper Conductor Connections - Earth Backfill Slurry Mixture - Earth Rod Inspection Box - Grid Conductor - Permanent Earth Cable Elbow Connection - Sub 164 Retention Barrier - V90 PVC Insulated Un-stranded Class 2 Copper Conductor	ZULU-BECA-001-SPC-00005 Drawings AS/NZS 1252.2	Verify	Aconex Reference	**HP**	Project Engineer / Site Engineer **/ Principals Representative**			
1.6	Temporary Works	Prior to commencing activity	Submission and approval of the following documentation based on the Temporary Works Design Process Matrix.	ZULU-BECA-001-SPC-00005 Drawings	Verify	As defined by the Temporary Works Design Process Matrix (where applicable)	HP*	Project Engineer / Site Engineer			

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1.7	Off-site Inspections	Each Lot	**WITNESS POINT** Inspection and attendance on site for Factory Acceptance Testing for: - HV Kiosk - ATS - DB-GEN Following these inspections FAT testing shall be submitted and associated certificates.	ZULU-BECA-001-SPC-00005 Drawings	Verify	This ITP Signed Factory Acceptance Tests	**WP** **TP**	Project Engineer / Site Engineer / **Principals Representative**			
2.0	**Construction**										
2.1	Delivery of Materials to site	Each item	Inspection of materials whilst still loaded on the truck prior to accepting the delivery on site. Identify any damage/defects prior to unloading of the material.	ZULU-BECA-001-SPC-00005 Drawings	Visual Inspection	This ITP Signed Materials Inspection Checklist on ConQA	IP	Project Engineer / Site Engineer			
2.2	Inspection of installed Pits, Conduits, Slabs and Structure	Each Lot	HV contractor to inspect the builder's installation to confirm suitability and as per design	Drawings	Visual Inspection	This ITP Signed	IP	Project Engineer / Site Engineer			
2.3	Isolation of existing cables	Each Lot	Cable to be isolated and earthed at both ends. Ensure correct cable is being isolated as per information on hand. Check Isolation by testing at a suitable point. HV cable to be disconnected and taken out of cable compartment. Existing HV Cables shall have Seath IR testing completed prior to modification to the cable to provide a baseline final testing as per MAS-ELC-002	ZULU-BECA-001-SPC-00005 Drawings	Verify	This ITP Signed Test results. Nilsen ITC	IP / **TP**	Project Engineer / Site Engineer			
2.4	Cabling – Mains, Submains & Earthing	Each Lot	New cables to be pulled through pre-laid conduits using the provided pull strings. Cables to be sufficiently secured out of the way prior to component installation.	ZULU-BECA-001-SPC-00005 Drawings	Visual Inspection	This ITP Signed Nilsen ITC	IP	Project Engineer / Site Engineer			
2.5	Lifting Preparation (Kiosk)	Each Lot	Lift Study available and approved. Temporary Works for Crane Pad approved and constructed. Complete Pre-Lift/s Commencement Checklist prior to each component being lifted. Ensure relevant drawings, lifting & fixing plans available to the crew.	ZULU-BECA-001-SPC-00005 Drawings Lifting Plan	Visual Inspection	Pre-Lift/s Commencement Checklist This ITP Signed	IP, SCP	Site Engineer / Foreman / Surveyor			
2.6	Component Placement (Kiosk)	Each Lot	Survey to confirm component placement as per the design. Install all fixings as per the drawings & engineers plan and suppliers' specification.	ZULU-BECA-001-SPC-00005 Drawings Lifting Plan	Verify	This ITP Signed	IP / SCP	Project Engineer / Site Engineer / Surveyor			

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2.7	Installation of Earthing Grid	Each Lot	Installation of Earth Grid as defined by IFC Drawings and MAS-ELC-002 (Section 5.7.3).	ZULU-BECA-001-SPC-00005 Drawings AS/NZS 3000	Verify	This ITP Signed Nilsen ITC	**WP**	Project Engineer / Site Engineer			
2.8	Earthing Grid Testing	Each Lot	Earthing system to be tested as per MAS-ELC-002 HV Standard – Appendix B, including: · Continuity testing (earthing and bonding conductors) · Earth resistivity testing · Earth potential rise measurement · Current distribution measurement · Transfer voltage testing · Touch voltage testing · Step voltage testing	ZULU-BECA-001-SPC-00005 Drawings AS 2067 MAS-ELEC-002	Verify	This ITP is signed Test results	**WP** **IP**	Project Engineer / Site Engineer / **Principals Representative**			
2.9	HV Cable Terminations	Each Lot	Relevant cabling can be installed into allocated cubicle. Terminate HV cables in the final position. Confirm cables are installed into correct cubicles. Confirm earth ring cables terminated to relevant earth bar/position.	ZULU-BECA-001-SPC-00005 Drawings HV Access Permit	Verify	This ITP Signed Test results HV Access Permit Nilsen ITC	**WP** **TP**	Project Engineer / Site Engineer **/ Principals Representative**			
2.10	Testing of New HV Cables (Before Energized)	Each Lot	**HOLD POINT** Confirm the following items are constructed in accordance with IFC design and specification. • Type, size, colour, quantities, location • Secure Verify and confirm the following tests as per AS/NZS 3000 (not limited to): • Polarity Check • Cable Loop Resistance (Ohms) • Insulation Resistance (Core-Core& Core to Earth) Ensure HV cable connected are bolted up at both termination ends. Testing to include all testing required as per MAS-ELC-002, including VLF testing etc Ensure new earth cable connected and torqued at both ends. Upload and testing of protection settings into HV and LV CBs. Testing of SCADA Points to EMCS.	ZULU-BECA-001-SPC-00005 Drawings HV Access Permit AS/NZS 3000 MAS-ELC-002	Verify	This ITP Signed Test results HV Access Permit Nilsen ITC	**WP** **TP**	Project Engineer / Site Engineer **/ Principals Representative**			

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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:

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

Notes	