




	Inspection and Test Plan - Control and Supervision of the Works	Document # ITP-020 Revision : 002 Date : 25/01/23
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Client: Yarra Trams Project: Contract No:	Construction Process: <i>Exothermic Welding</i> Specifications: Yarra Trams Standard Drawings, Design Drawings, Eritch CADWELD Exothermic Welding Manual Structure / Component: Location:	Prepared by: Name: Jarrod Rodrigues Signed :  Date : 25/01/23	Reviewed by : Name: Damon Bromwich Signed :  Date : 25/01/23	Approved by : Name: Shaun Kent Signed :  Date : 25/01/23
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Lot No:	Lot Details:	Lot Size/ Quantity:
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Item No.	Task/Activity Description	Inspection / Controls and Verification Detail					HP/ WP/ AP/ IP/ TP/ SCP	Responsibility Project Engineer Site Engineer Superintendent Surveyor Foreman	Checked by:			
		Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity			Client	Fulton Hogan	FH's Sub-contractor	Date
1	Preliminary Works											
1.1	Check for correct documentation	Prior to commencing any activity	Ensure that all employees and contractors are using the most current and complete set of drawings	Drawings and drawing registers	Visual inspection	This ITP signed off	HP*	Fulton Hogan Engineer	N/A		N/A	
1.2	Implementation of all measures and controls	Prior to commencing any activity	All necessary measures and controls are being implemented, that is: PSP, EMP, TMP, JSEA, SWMS & WP Ensure that all employees and contractors involved in the welding process have been inducted onto the relevant Hotworks permit	PSP, EMP, TMP, JSEA, SWMS, WP	Visual Inspection	This ITP signed off	IP	Fulton Hogan Engineer	N/A		N/A	
1.5	Materials Check	Prior to commencing any activity	Ensure the materials and equipment gathered are for the correct type of connection being made. Inspect the mould ID tag to ensure that it corresponds to the application, indicated by the following parameters: 1. Mould part number: 2. Conductor size: 3. Welding material required Check to ensure the graphite mould is not worn or broken, which could cause leakage of molten weld metal during the reaction. Ensure a working fire extinguisher is available within 10 metres of the working area.	Eritech CADWELD Exothermic Welding Manual Fig. 2, 3, 4	Visual inspection	This ITP signed off	HP*	Fulton Hogan Engineer	N/A		N/A	
2	Construction Works											
2.1	Preparation	Each Weld	Ensure the position of the conductors being welded is correct. Heat mould to ensure it is dry. Strip & clean conductors, ensure they are dry & clean.	Design Drawings and Register	Visual inspection	This ITP signed off	IP	Fulton Hogan Engineer	N/A		N/A	

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2.2	Welding	Each Weld	Ensure conductors are correctly positioned in the mould, allowing the mould to close tightly. Ensure welding material has been inspected and is intact. Ensure reaction is completed and molten material has solidified (allow 30 seconds post ignition)	Eritech CADWELD Exothermic Welding Manual Fig. 2, 3, 4	Verify	This ITP signed off	IP	Fulton Hogan Engineer	N/A		N/A	
3	Testing											
3.1	Weld Review	Each lot	Ensure weld is inspected and that a quality connection has been made. All welds shall be inspected a Fulton Hogan engineer.	Eritech CADWELD Exothermic Welding Manual Fig. 2, 3, 4	Verify	This ITP signed off	TP	Fulton Hogan Engineer	N/A		N/A	

Final Inspection

The signature below verifies that this ITP has been completed in accordance with the FH'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 Superintendent	IP	Inspection point	Formal Inspection to be done and recorded
HP*	FH Hold Point	Work shall not proceed past the HP* until released by FH	TP	Test Point	Product compliance test to be undertaken and recorded/reported
WP	Witness Point	An inspection which must be witnessed by the Superintendent	SCP	Survey conformance point	A qualified surveyor to check product/section/structure and report
AP	Approval Point	Written or verbal approval given by the Superintendent			