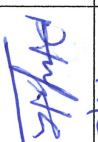
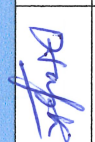


Client:		Covalent Lithium, Kwinana Refinery		Ref No: COV-TEN-CON 514		ITP Rev No: 001		
Activity:		Module Structural Steel Assembly Train 1 & Train 2		SRG Ref No: COV-TEN-CON 514- Module Assembly		M1, M2, M3		
Contact Details		Summary or Requirements		Principle Codes / Standards		Records retained as marked:		
Client Rep:	Deepak Gupta	Process Qualifications:						
SRG Rep:	Mark Cowle	Structural Bolting Procedure		AS1252 AS5131	AS1554	Welding of steel structures	Survey Report ☒	
Sub-Contractors		Lifting & Rigging Procedure		AS2550	AS4100	Steel Structures	Tension/Torque Record ☒	
Design/drafting:	NA	Rope Access Procedure		IRATA	AS5131	Structural Steelwork Fabrication	Shim Thickness Record ☒	
Survey	BE Surveys	Working at Heights		COV-000-HS-PRO-0022_5	AS1418	Cranes, Hoists and Winches	Splice Flange Connection Record ☒	
Surface Treatment:	NA	Survey & Alignment		Project Spec	AS5131	Structural Steelwork – Fabrication and erection		
NDT:	NA	Traceability:		Approved Methodology	AS1576	Scaffolding	Weld Traceability Record ☒	
Pressure Test:	NA	Structural Member Traceability			AS1170	Structural Design Actions	Flange Management ☒	
Surveillance / Inspection Key		Survey/Alignment Record		☒	AS4291	Mechanical Properties of Fasteners	Notes	
Hold point (H): Nominated point beyond which work shall not proceed verified acceptance by nominee.		Lift Study Reference		☒	AS1657	Fixed Platforms, Walkways, Stairways and Ladders		
Witness point (W): Points at which the nominee shall be notified and invited to witness an activity, but further work may proceed without presence of the nominee.		Bolt Traceability Record		☒	AS2550	Cranes, Hoists and Winches-Safe Use		
Review (R): Verify by examination of documentary evidence that inspection/tests have been satisfactorily conducted.		Heat Treatment: N/A						
Surveillance (S): Continuing evaluation of the status methods, analysis of records and monitoring of activities on a random basis to ensure quality requirements will be met.		Testing (NDT):		N/A				
Visual (V): 100% visual inspection of work/Item to ensure compliance with code/specification.		Acceptance Criteria:		AS3978				
Dimensional (D): Measurement of critical dimensions to ensure work/Item is within tolerance.		Notes:		AS4037				
Prepared by:		Adam Riley	Date:	25-05-2026	Approved by:	Mark Cowle	Date:	25-05-2026

Client Specifications		Other Specifications	
H361294-00000-230-242-0001	Protective Coating Specification	ANSI B16.5	Pipe Flanges and Flanged Fittings
H361294-00000-230-210-0001	Structural Design Criteria	AS 1111	ISO Metric Hexagon Bolts and Screws
H361294-00000-232-242-0001	Structural Steel Specifications	AS1112	ISO Metric Hexagon Nuts
AS/NZS 1554.1-1554.6	Structural Steel Welding	AS 1237	Plain Washers for Metric Bolts, Screws and Nuts
H361294-00000-240-210-0001	Mechanical Design Criteria	AS 1252	Structural Steel Fastener Assemblies for Structural Engineering – Bolts, Nuts and Washers
H361294-00000-240-210-0002	Layout Design Criteria	AS 1554	Structural Steel Welding Code
H361294-00000-250-210-0001	Piping Design Criteria	AS 2700	Colour Standards for General Purposes
H361294-00000-240-242-0001	Mechanical Standard Specification	AS 3678	Structural Steel – Hot Rolled plates, floor plates and slabs
COV-000-HS-PRO-0022_5	Working at Height Procedure	AS 3679	Structural Steel – Hot Rolled Bars and sections
COV-000-HS-PRO-0033	Plant And Equipment Safety Procedure	AS 3990 - 1993	Mechanical Equipment – Steelwork
COV-000-HS-PRO-0037	Health And Safety Consultation and Communication Procedure	AS1891	Industrial fall-arrest systems and devices
COV-0000-HS-STD-0004	Safety Standard-Cranes and Lifting	AS4991	Lifting Devices
COV-0000-HS-STD-0001	Safety Standard-Vehicle and Driving	AS 4100	Steel Structures
COV-0000-HS-STD-0007	Safety Standard-Plant and Equipment	AS 4680	Hot Dip Galvanised (zinc) coatings on fabricated ferrous articles
COV-COM-POL-0001	Supplier Code of Conduct	AS 5131	Structural Steelwork – Fabrication and Erection

COV-0000-HS-PRO-0048	Cranes and Lifting Procedure	AS 1319	Safety Signs for the Occupational Environment
COV-000-HS-PRO-0002	Fitness for Work Procedure	AS 3905	Quality System Guidelines
COV-000-HS-PRO-0014	Permit to Work Procedure	AS1418	Cranes, hoists and winches,
COV-000-HS-PRO-0031	Barricading, Demarcation and Signage Procedure	AS2550	Cranes, hoists, and winches – Safe use,
COV-000-HS-PRO-0049	Extreme Weather Procedure.	AS3775	Chain Slings
COV-000-HS-PRO-0022	Working at Heights Procedure		
COV-000-HS-REG-0009	Cranes and Lifting Register		
COV-000-HS-FOR-0031	Critical Lift Plan Form		
COV-0000-HS-PRO-0012	Scaffolding Procedure		
H361294-00000-250-242-0005	Piping Fabrication and Installation Specification		
H361294-00000-232-294-0010	Horizontal Bracing Details		
H361294-00000-232-294-0011	Bracing End Connection Details		
H361294-00000-232-294-0013 & 0014	Column and Beam Splice Details Sheet 1 & 2		

Project:	Calhner Off-Gas Stack Extension	Client:	Covalent Lithium	ITP No:	COV-TEN-CON 514- Module Assembly	Title:	Module Assembly for Train 1
Location:	Covalent Lithium	Date:	5/22/2026	Level:	Ground, Level 1, Level 2, Level 3	Grid Ref:	COV - R390-ST-WALK-0002
Developed by:	Adam Riley	SRG Rep:	Adam Riley			Designer:	Carmac

Ref:	Work Items/ activities to be verified	References (Drawing No., Standard, Client Specification)	Acceptance Criteria Specification Ref. Consultant Reports	Inspection Code	Inspection Frequency						
						Completed Date	Comment/ Result	Sign & Date	Client Sign & Date		
1.0	Pre Deliverables										
1.1	Approved Methodology, SWMS, ITP, lift study reference, Traffic Management plan, WHS Documentation.	COV-TEN-CON 514 SOW, Methodology Rev 3.2, SRG WHS Plan, SRG SWMS, AS2550	Approved/current documents available before works commence.	H	0	21/05/2026	Approved				
1.2	Pre-start/JHA/CRAW, permits and personnel competency records verified for assembly activities.	AS 2550, AS 1418, AS/NZS 1891, COV-000-HS-PRO-0033,0002,0014	Record Complete prior to Assembly	H	0	21/05/2026	Verified				
2.0	Materials										
2.1	Receive, unload, inspect and tag free-issue CHS, bolts, nuts, washers, shims/packers and assembly items against MTO.	SOW, MTO, JFC drawings, AS/NZS 5131, AS1252, AS4100	Correct item, grade/spec and condition verified. Damage/missing items notified too Covalent.	W/V	Every Delivery	28/05/2026	Received				
2.2	Verify bolt/nut/washer traceability prior to assembly.	AS/NZS 1252, AS 1110/1111, AS 1112, AS 1237, AS 4291	Bolt class, size/coating confirmed.	R	Every Delivery	28/05/2026	Verified				
3.0	MODULE 1 - Stick Build										
3.1	Verify baseplate/anchor locations, RLS and survey control.	C14-005-CON-DRG-005, Survey Method, AS/NZS 5131	baseplate/anchor levels Verified	H/D	Each Train	25/05/2026	Verified				

3.2	Erect primary columns/legs on the surveyed foundations. CHS Column hold down bolts to be snug tight with progressive survey.	Methodology Rev 3.2, AS1252, AS5131, AS 4100, C14-005-100-MPD-102	Columns correct orientation achieved	W/V	Each column	25/05/2026	Complete	9/6/26	9/6/26
3.3	Install horizontal bracing and fish plate/gusset connections using EWP/Frana, slings, chain blocks	C14-005-100-MPD-102, AS/NZS 5131, AS4100, AS2550, AS1252	Correct members fitted, plates aligned and bolts snug tightened.	S/V	Each Module	25/05/2026	Complete	9/6/26	9/6/26
3.4	Install cross bracing using controlled alignment methods utilizing EWP/Frana, slings, chain blocks.	C14-005-100-MPD-102, AS/NZS 5131, AS4100, AS2550, AS1252	Bracing oriented correctly and connections snug tightened.	S/V	Each Module	25/05/2026	Complete	9/6/26	9/6/26
3.5	Survey checks after Module 1 stick-build.	Survey Method, JFC model, AS/NZS 5131, C14-005-CON-DRG-005	Plumb, level and dimensional control accepted before next level.	R	Each Module	26/05/2026	Complete	9/6/26	9/6/26
3.6	Final Module 1 assembly inspection and bolt final tensioning by part turn method status verified.	AS/NZS 1252, AS5131, ITP, C14-005-CON-DRG-005, C14-005-100-MPD-102	Bolt installation complete and records completed where applicable.	S	M1 completion	27/05/2026	Complete	9/6/26	9/6/26
4.0	Assembly Pad Set up								
4.1	Set out assembly pad location adjacent to approved crane work envelopes and laydown area.	Lift Study, Methodology Rev 3.2, COV-TEN-CON 514 SOW	Location does not conflict with crane radius, access route or exclusion zones.	W/D	Each setup	23/05/2026	Complete	9/6/26	9/6/26
4.2	Unload & Position 310 UB assembly beams levelled on packers/shims. Install temporary stiffener restraints as required.	Methodology Rev 3.2, AS/NZS 5131, AS 4100, Hot Work Permit, AS 1554	UB beams stable/level and stiffeners installed where required.	H/D	Before assembly	23/05/2026	Complete	9/6/26	9/6/26
4.3	Survey verifies assembly pad level and record release prior to module assembly.	Survey Method, Methodology Rev 3.2	Survey record confirms pad suitable for assembly.	H/D	Each setup/reposition	24/05/2026	Complete	9/6/26	9/6/26
5.0	Module 2 Ground Assembly								
5.1	Set Module 2 members on levelled 310 UB assembly pad. Verify straight columns, stiffeners and restraints.	Methodology Rev 3.2C14-005-100-MPD-103, AS/NZS 5131, AS4100, AS2550	Members correctly located and restraints maintain orientation.	W/D	Each module	24/05/2026	Complete	9/6/26	9/6/26
5.2	Assemble flat face comprising two straight columns and cross/horizontal bracing.	Methodology Rev 3.2C14-005-100-MPD-103, AS/NZS 5131, AS4100, AS2550	Connections aligned and bolts snug tightened only.	S/V	Each Module	27/05/2026	Complete	9/6/26	9/6/26
5.3	Install Horizontal bracing utilizing slings & chain blocks to orientate members and align fish plate connections. Position third leg using 130T crane & Franna arrangement and align with slings, chain blocks and come along. Bracing fish	Methodology Rev 3.2C14-005-100-MPD-103, AS/NZS 5131, AS4100, AS2550, AS 4991.	Third leg controlled until sufficient bracing installed.	W/V	Each module	27/05/2026	Complete	9/6/26	9/6/26

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	plates /gusset will slide into position progressively and be snug tightened.						Complete	9/6/26	
5.4	Install remaining horizontal and cross bracing, align fish plates/gussets and snug tighten bolts.	Methodology Rev 3.2C14-005-100-MPD-103, AS/NZS 5131, AS4100, AS2550, AS 4991.	All bracing installed to correct orientation, no forced fit without approval.	S/V	Each Module	28/05/2026	Complete	9/6/26	BA
5.5	Undertake local level checks at column splice flanges and record shim/packer adjustments.	Survey Method, Methodology Rev 3.2	Level checks complete and shim/packer changes recorded.	D	Each module	29/05/2026	Complete	9/6/26	BA
5.6	BE Surveys dimensional compliance check of completed ground-assembled module prior to lift/lifting.	Survey Method, JFC drawing, AS/NZS 5131	Survey report confirms dimensional compliance and release for lift.	R/S	Each Module	01/06/2026	Complete	9/6/26	BA
5.7	Final Module 2 inspection and bolt tensioning by Part Turn Method.	AS/NZS 1252, AS5131, ITP C14-005-CON-DRG-005, C14-005-100-MPD-103	Bolt installation complete and records completed where applicable.	R/S	M2 completion	01/06/2026	Complete	9/6/26	BA
6.0	Module 3 Ground Assembly								
6.1	Set Module 3 members on levelled 310 UB assembly pad. Verify straight columns, stiffeners and restraints.	Methodology Rev 3.2C14-005-100-MPD-104, AS/NZS 5131, AS4100, AS2550	Members correctly located and restraints maintain orientation.	W/D	Each module	28/05/2026	Complete	9/6/26	BA
6.2	Assemble flat face comprising two straight columns and cross/horizontal bracing.	Methodology Rev 3.2C14-005-100-MPD-104, AS/NZS 5131, AS4100, AS2550	Connections aligned and bolts snug tightened only.	S/V	Each Module	28/05/2026	Complete	9/6/26	BA
6.3	Install Horizontal bracing utilizing slings & chain blocks to orientate members and align fish plate connections. Position third leg using 130T crane & Franna arrangement and align with slings, chain blocks and come along. Bracing fish plates /gusset will slide into position progressively and be snug tightened.	Methodology Rev 3.2C14-005-100-MPD-104, AS/NZS 5131, AS4100, AS2550, AS 4991.	Third leg controlled until sufficient bracing installed.	W/V	Each module	29/05/2026	Complete	9/6/26	BA
6.4	Install remaining horizontal and cross bracing, align fish plates/gussets and snug tighten bolts.	Methodology Rev 3.2C14-005-100-MPD-104, AS/NZS 5131, AS4100, AS2550, AS 4991.	All bracing installed to correct orientation, no forced fit without approval.	S/V	Each Module	30/05/2026	Complete	9/6/26	BA
6.5	Undertake local level checks at column splice flanges and record shim/packer adjustments.	Survey Method, Methodology Rev 3.2	Level checks complete and shim/packer changes recorded.	D	Each module	01/06/2026	Complete	9/6/26	BA

6.6	BE Surveys dimensional compliance check of completed ground-assembled module prior to lift/rigging.	Survey Method, JFC drawings, AS/NZS 5131	Survey report confirms dimensional compliance and release for lift.	R/S	Each Module	02/06/2026	Complete	26/6/26	26/6/26
6.7	Final Module 3 assembly inspection and bolt final tensioning by part turn method status verified.	AS/NZS 1252, AS5131, ITP, C14-005-CON-DRG-005, C14-005-100-MPD-104	Bolt installation complete and records completed where applicable.	R/S	M3 completion	06/06/2026	Complete	26/6/26	26/6/26
7.0	Bolting & Final Torquing for all Modules								
7.1	Verify RAD/rattle guns, calibrated tools and calibration certificates prior to final tensioning of all bracings by Part Turn Method.	AS/NZS 1252, AS5131 Calibration certs	Tooling suitable and calibration current.	H/R	Before final tensioning	05/06/2026	Complete	26/6/26	26/6/26
7.2	Snug tightening during assembly, final tensioning by Part Turn Method.	AS/NZS 1252, AS/NZS 5131	Bolts snug tightened, final Bolt turn orientation recorded where required.	R	Each Column	06/06/2026	Complete	26/6/26	26/6/26
8.0	Completion Record								
8.1	Deliverables record as per ITP Records	COV-TEN-CON 514 SOW, Methodology Rev 3.2, ITP	Records complete, signed and traceable to module/location.	R	Each module		Complete	26/6/26	N/A
8.2	Any repair/modification/deviation identified during assembly submitted to Covalent before repair proceeds.	COV-TEN-CON 514 SOW, Methodology Rev 3.2, ITP	No unapproved repair/modification undertaken.	H	As required		Complete	26/6/26	N/A

Compliance Status			SRG Global Approval / Signoff		Client Acceptance/Approval and sign off	
	Yes	No	N/A			
Complies with Acceptance Criteria	Yes			Name: Adam Riley	Name: R. Rydipati	
Does Not Comply with Acceptance Criteria			N/A	Signature: 26/6/26	Signature: 26/6/26	
NCR No.			N/A	Date:	Date:	

