

<b>Project:</b> Iron Bridge SMPEI Process Plant Construction - Dry Plant		<b>FMG Document No:</b> 662NSC2002-2000-IT-QA-0012		<b>Document No:</b> C292-QU-ITP-0012		<b>Revision:</b> 1		
<b>Project No:</b> C292		<b>Contract No:</b> 662NSC2002-0000-CO-CP-0002		<b>Prepared By:</b> J. Lu		<b>Approved By:</b> W. Bradshaw		
<b>Scope:</b> Low Profile Feeder Installation				<b>Workpack / Area:</b>				
<b>Control Point</b> <b>H</b> = Hold Point (Work must not proceed to the next step until this activity is completed and a signature obtained); <b>W</b> = Witness Point (Notify to permit witness, work can proceed if witness does not attend at agreed time); <b>S</b> = Surveillance (Monitor operations / surveillance of activity); <b>R</b> = Review Documentation (Sign to record review);								
<b>Resp. Person</b> <b>QC</b> - Quality Inspector; <b>PE</b> - Project Engineer; <b>CQR</b> - Client Quality Representative; <b>CI</b> - Coating Inspector; <b>PM</b> - Project Manager; <b>SS</b> - Site Supervisor; <b>DC</b> - Dimension Checker; <b>WE</b> - Welding Engineer; <b>PP</b> - Pre-processing Personnel, <b>SUBCON</b> - Subcontractor								
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<b>1 Submission / Approval of Documentation</b>								
1.1	Submit Low Profile Feeder Installation Inspection & Test Plan for FMG Approval	100-ST-QA-0001_1 662NSC2002-2000-SW-CN-0002_4	662NSC2002-2000-SW-CN-0002_4 Cl. 10.3 100-ST-QA-0001_1 Cl. 2.3	Approved ITP	QC / PE	H / R	R	
1.2	Ensure Manufacturer's Installation Instructions and Manuals Have Been Provided with Equipment	100-SP-ME-0004_2 Manufacturer's Recommendation	100-SP-ME-0004_2 Cl. 3.3	Manufacturer's Installation Instructions	SS / PE	H / R	R	
1.3	Submit Lift Study where Required for Major Components for FMG Approval	100-PR-SA-1036_5	100-PR-SA-1036_5 Cl. 3.4	Approved Lift Study	SS / PE	H / R	R	
1.4	Verify Structural FIC's for Supporting Structure are Signed Off	IFC Drawings 662NSP2046-2410-IM-QA-0001_1	IFC Drawings 662NSP2046-2410-IM-QA-0001_1	Structural ITR's	SS/PE	R	R	
<b>2 Calibration</b>								
2.1	Ensure All Inspection, Measuring and Testing Equipment is Calibrated Including: • Coupling Laser Alignment Tool; • Machine Levels; • Dial Gauge Indicators; and • Torque Tooling • Survey Equipment	100-SP-ME-0004_2 Manufacturer's Recommendation	100-SP-ME-0004_2 Cl. 4	Calibration Certificates Signed ITP	QC / PE	R	R	
<b>3 Materials Receipt, Inspection, Storage &amp; Preservation</b>								
3.1	Inspect Supplied and Free-Issued Mechanical Components for the Following: • Equipment Identification & Nameplate; • Conformance to Specification and Drawings; • Damaged or Missing Components; and • Review Material Certification and Material Traceability Records. <b>NOTE:</b> Non-Conforming Materials Shall be Segregated, Quarantined and an OS&D Report Completed.	100-SP-ME-0004_2 Manufacturer's Recommendation	100-SP-ME-0004_2 662NSP2047-2410-IM-QA-0002_0 IOM	Delivery Dockets Material Certificates OS&D Report	SS / QC / PE	S / R	S	
3.2	Store and Preserve Equipment as Per Manufacturer's Recommendation	100-SP-ME-0004_2 Manufacturer's Recommendation	100-SP-ME-0004_2 662NSP2047-2410-IM-QA-0002_0 IOM	Preservation Register	SS / QC / PE	S	S	
<b>4 Acceptance of Low Profile Feeder Support Structure</b>								
4.1	Inspect Support Structure for Anchor Bolts or Bolt Holes at Correct Location, Level and Alignment;	100-SP-ST-0002_0 IFC Drawings 662NSP2046-2410-IM-QA-0001_1	100-SP-ST-0002-0 Cl. 9.1 & 9.2 IFC Drawings 662NSP2046-2410-IM-QA-0001_1	Foundations As-Built Survey & Acceptance	SS / PE	S / R	S	

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<b>5</b>	<b>Low Profile Feeder Installation</b>							
5.1	Survey & Install Shims at Base Plate Locations Where Required	662NSP2046-2410-IM-QA-0001_1	IFC Vendor Drawings 662NSP2046-2410-IM-QA-0001_1	Signed ITP FMG Low Profile Feeder ITR	SS	R	W	
5.2	Lift & Land the Section(s) onto the Support Structure, Align, Survey, and Bolt Out	662NSP2046-2410-IM-QA-0001_1	IFC Vendor Drawings 662NSP2046-2410-IM-QA-0001_1	Signed ITP FMG Apron Feeder ITR	SS	W	W	
5.3	Carry out epoxy grouting between bottom shell support legs	662NSP2046-2410-IM-QA-0001_1	IFC Vendor Drawings 662NSP2046-2410-IM-QA-0001_1	ITP C292-QU-ITP-0009 Grouting	SS / PE	H	W	
5.4	Install Low Profile Feeder Drive(s) & Torque Arm(s) in accordance with Manufacturer's IOM Instructions. Verify Alignment of Motor(s)	100-SP-ME-0004_2 IFC Drawings 662NSP2046-2410-IM-QA-0001_1	100-SP-ME-0004_2 IFC Drawings 662NSP2046-2410-IM-QA-0001_1	Signed ITP FMG Apron Feeder ITR	SS	R	W	
5.5	Chain Links Fully Connected, Belt Joints Installed	662NSP2046-2410-IM-QA-0001_1 IFC Drawings	662NSP2046-2410-IM-QA-0001_1 IFC Drawings	Signed ITP FMG Apron Feeder ITR	SS	R	S/R	
5.6	Install Head Cover, including Primary and Secondary Scrapers	662NSP2046-2410-IM-QA-0001_1 IFC Drawings	662NSP2046-2410-IM-QA-0001_1 IFC Drawings	Signed ITP FMG Apron Feeder ITR FMG Belt Scraper ITR	SS	R	S/R	
5.7	Install grease line Piping / Tubing in Accordance with Manufacturer's Installation Instructions, Purge / Fill lines	662NSP2046-2410-IM-QA-0001_1 IFC Drawings	662NSP2046-2410-IM-QA-0001_1 IFC Drawings	Signed ITP FMG Lubrication System ITR	SS	R	S/R	
<b>6</b>	<b>Final Inspection</b>							
6.1	Complete Final Inspection of Installed Equipment	100-SP-ME-0002_0 100-SP-ME-0004_2 Manufacturer's Recommendations IFC Drawings	100-SP-ME-0002_0 100-SP-ME-0004_2 662NSP2047-2410-IM-QA-0002_0 IOM IFC Drawings	Field Inspection Records Punchlist	SS / PE	R	R	
<b>7</b>	<b>Finalise Documentation</b>							
7.1	Redline Drawings Verified for Relevant Equipment	100-ST-QA-0001_1 662NSC2002-2000-SW-CN-0002_4	100-ST-QA-0001_1 Cl. 2.8 662NSC2002-2000-SW-CN-0002_4 Cl. 10.2	Redline Drawings	QC / PE	R	R	
7.2	Complete Construction Verification & Punchlisting	100-ST-QA-0001_1 662NSC2002-2000-SW-CN-0002_4	100-ST-QA-0001_1 Cl. 2.8 662NSC2002-2000-SW-CN-0002_4 Cl. 9.1	Approved Construction Verification Documentation Signed-off Punchlist	QC / PE	R	H	

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**SIGNATURE IDENTIFICATION REGISTER**

NO	NAME	SIGNATURE	POSITION TITLE	ORGANISATION
1				
2				
3				
4				
5				
6				