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Project: P234 - Colas Asphalt Plant
Aspire Industrial Park - Computer Rd Lots 1-3
Yatala, Queensland 4207

FFE Schedule for all Buildings

TO:	Matthew Johansen (Colas Queensland Pty Ltd)	FROM:	RYAN NIXON (Alder Constructions)
DATE INITIATED:	21/05/2020		116 Siganto Drive Helensvale , Queensland 4212
LOCATION:		STATUS:	Closed on 9/6/20
PROJECT STAGE:		DUE DATE:	02/06/2020
SUB JOB:		COST CODE:	
COST IMPACT:		PROGRAM IMPACT:	
DRAWING NUMBER:		SPEC SECTION:	
LINKED DRAWINGS:		REFERENCE:	

RECEIVED FROM:

COPIES TO:

Stuart Dykes (ICP Electrical), Mike O'Regan (MORA Consulting), ANTONIO REYES (Alder Constructions), Matthew Slade (Westera Partners), Boris Stankovic (Boris Design Pty Ltd), ADAM TAYLOR (Alder Constructions), SAMMY AMOS (Alder Constructions)

Question from RYAN NIXON (Alder Constructions) at 11:32 AM on 21/05/2020

Hi Matt,

In order to progress the architectural & electrical design, we request a Furniture, Fixtures & Equipment (FFE) schedule for all buildings. This should be a list including technical data sheets or the like for the lab, amenities and workshop equipment. Items such as testing equipment, electric saw, air compressors, welders etc. Note: we will make standard allowances for items in kitchenettes if not yet specified.

Of main importance is the electrical loading of each item to ensure we have circuits capable for each building. This will confirm the GPO requirements nominated in the PPR and replicated on the architectural concepts.

Cheers
Ryan

Awaiting an Official Response

All Replies:

Response from Matthew Johansen (Colas Queensland Pty Ltd) at 07:48 AM on 29/05/2020

Hi Ryan,

Following on from above, please refer to the attached FFE Schedule for the Laboratory.

Similar to the above, we have only listed equipment with a higher draw specific to the Workshop. Please make standard allowances for 10AMP GPO's which will provide power for general tools and equipment, chargers, computer station etc. and also for kitchenette.

We have not included electrical loadings from other items covered in the PPR including the lighting, ventilation systems, air conditioning in crew room, wash bay, roller doors, EWP, etc.

Let me know if you require any further information.

Regards,
Matt.

Attachments:

[FFE Template_Workshop_JCO200525.xlsx](#)



Response from Matthew Johansen (Colas Queensland Pty Ltd) at 07:41 AM on 29/05/2020

Hi Ryan,

Please refer to the attached FFE Schedule for the Laboratory - a second response will follow shortly for the Workshop.

In the schedule we have listed only testing equipment that has a high draw or requires specific consideration.

The 10A GPO's nominated in the layout will supply general office equipment such as computers, printers, kitchen/fridge; as well as general testing equipment such as centrifuges, water bath, vacuum pump's etc.

We have not made any reference to electrical loadings for air conditioning, extraction systems, roller doors etc. that are covered under the overarching PPR.

Let me know if you require further information on the smaller equipment that is supplied through the 10A GPOs.

Regards,
Matt.

Attachments:

[FFE Laboratory.xlsx](#)

BY

DATE

COPIES TO

LABORATORY

Item #	Brief Description	Make	Model Number	Data Sheet Link	Dimensions if applicable	Electrical Requirement if available
30ltr Pugmi	30ltr Pugmill Mixer	Controls	77-PV0077/C	https://www.geo-con.com.au/wp-content/uploads/2019/04/75-PV0077-BITUMIX-Asphalt-Automatic-Mixer.pdf	1350 x 650 x 1205 mm	
Slab Comp	Multisize Standard Mode	Controls	77-PV41A02	https://www.geo-con.com.au/wp-content/uploads/2019/04/77-PV41A02-Slab-Compactor.pdf	1300 x 800 x 2040 mm	
Servo Pak	Gyratory Compactor	IPC Global	Servopac	https://www.controls-group.com/backend/content_manager/file_tmp/1604081050141_ipc_servopac_en_web_0316.pdf	450 x 760 x 1993 mm	
AutoSaw II	Auto Cut Off Saw	Controls	77-PV47105	https://www.geo-con.com.au/product/advanced-automated-asphalt-saw-autosaw-ii/	2000 x 800 x 1700 mm	400V, 50Hz, 3Phase or 220V, 60 Hz, 3 Phase - 5KW
Wheel Trac	Wheel Tracker	Controls	78-PV3502	https://www.geo-con.com.au/wp-content/uploads/2019/04/78-DynaTrack-wheel-tracker-Data-Sheet.pdf	2000 x 700 x 1600 mm	230 V, 50-60hz - 1phase
Reselient Iv	Resilient Modulus	Controls	79-PV70A12	Servo-pneumatic UTM-16P (16kN Capacity) 230V, 50-60Hz, 1 Phase	710 x 805 x 2085 mm	
			79-PV70E02	Environmental Test Cabinet (-25deg to +60deg C) - 1800W (230V, 50-60Hz - 1 Phase)		
			79-PV70110	Indirect Tensile Jig Base and Platen Assembly (Inside Cabinet) Dried Compressed Air + Regulator and Water Trap		
Fatigue Bez	4Pt Bending Beam	Controls	79-PV70A12	Servo-pneumatic UTM-16P (16kN Capacity) 230V, 50-60Hz, 1 Phase	710 x 805 x 2085 mm	
			79-PV70E02	Environmental Test Cabinet (-25deg to +60deg C) - 1800W (230V, 50-60Hz - 1 Phase)		
			79-PV70402	4pt Bending Beam Jig (Inside Cabinet) Dried Compressed Air + Regulator and Water Trap		
Fume Cupb	Stainless Steel		-	Stainless Steel Fume Cupboard with manual glass viewing Sash. Electircal Require - 2 separate 10Amp Supply back to Distribution Board with 16Amp Breaker with RCD - 1 x 10Amp Supply for Control system of Fume Cupboard & LED Light - 1 x 10Amp Separate Supply for GPO for Hotplates	2000 x 750 x 2400 mm	
				** Each Fume Cupboard Requires 2 x 10Amp Supply back to Distribution Board		
Fume Cupb	PVC Fume Cupboard (With Solvent Sink)			PVC Fume Cupboard with manual glass viewing Sash with Stainless Steel Sink for Solvent - Plumbed back to DG Chemical Store Electrical Req - 1 x 10Amp Supply back to Distribution Board with 16Amp Breaker with RCD Stainless Steel Sink - Air Operated Valves and Pumps for Inlet and Outlet operations of Solvent.		
Oven XU-6	Drying Oven	XU-686		Drying Oven - XU 686 (Large) - I to be installed in with Auto Cut Off Saw Area	800 x 1200 x 2000 mm	

WORKSHOP

Item #	Brief Description	Make	Model Number	Description / Comments	Data Sheet Link	Dimensions if applicable	Supplier	Supplier Contact
eg. WS-01	e.g. Air Compressor	ABLE	DMSC10DIR		https://www.ablesales.com.au/index.php?dispatch=wkablesales.printpdf&product_id=427	90 x 70 x 93 cm		
WS-01	Air Compressor	CP (Chicago Pneumatic)	CPRS 10500 B7000 T DRYER	CPRS100 10 hp, 7.5kW, 42.7 cfm,3 phase, 11 bar, 68 DbA with 500L Tank and Dryer. Compressor requires minimum 9 bar for inflating truck tyres	https://www.cp.com/content/dam/brands/Chicago%20Pneumatic/compressors/customer-center-pictures/cp-ct-australia/Chicago_Pneumatic_Piston_Compressors_CPRS.pdf	TBA	Atlas Copco	Kevin Ennis <kevin.ennis@atlascea.com.au>
WS-02	Air Dryer	Included in WS-01		Included with compressor above				
WS-03	Air Receiver	Included in WS-01		Included with compressor above				
WS-04	MiG Welder	Cigweld	WeldSkill 350 Mig Welder W1004600	3 Phase 350 amps @ 30% duty Cycle	https://www.totaltools.com.au/80728-cigweld-weldskill-350a-mig-compact-welding-plant-w1004600	1020L X 470W X 1050H mm	Total Tools	
WS-05	Stick Welder	Cigweld	WeldSkill 200HF Arc/Tig Inverter Welder W1008200	Portable Arc/Tig Welder	https://www.totaltools.com.au/107464-cigweld-200a-arc-tig-inverter-welder-with-leadset-w1008200	420L X 145W x 245H mm	Total Tools	
WS-06	Bench Grinder	Metabo	DS 200 600W 200mm (8") Bench Grinder	Bench Grinder 8"	https://sydneytools.com.au/product/metabo-ds-200-600w-200mm-8-bench-grinder	420L x 255W x 265H mm	Sydney Tools	
WS-07	Pedestal Drill	Borum	CH30T 12 Speed 2HP Motor Press Pedestal Drill	Pedestal Drill	https://sydneytools.com.au/product/borum-ch30t-12-speed-2hp-motor-press-pedestal-drill	572L x 495W x 1780H mm	Sydney Tools	
WS-08	Parts Washer	TradeQuip	1004T 180L Parts Washer	Parts Washer	https://sydneytools.com.au/product/tradequip-1004t-180l-parts-washer	1135L x 545W x 320H mm	Sydney Tools	
WS-09	Pressure Washer	Spitwater	HP151 2250PSI 14LPM 5.5HP	Pressure Cleaner	https://www.spitwater.com.au/hp151-2250psi-14lpm-5-5hp-3-phase-10amp-pressure-cleaner/		Spitwater	