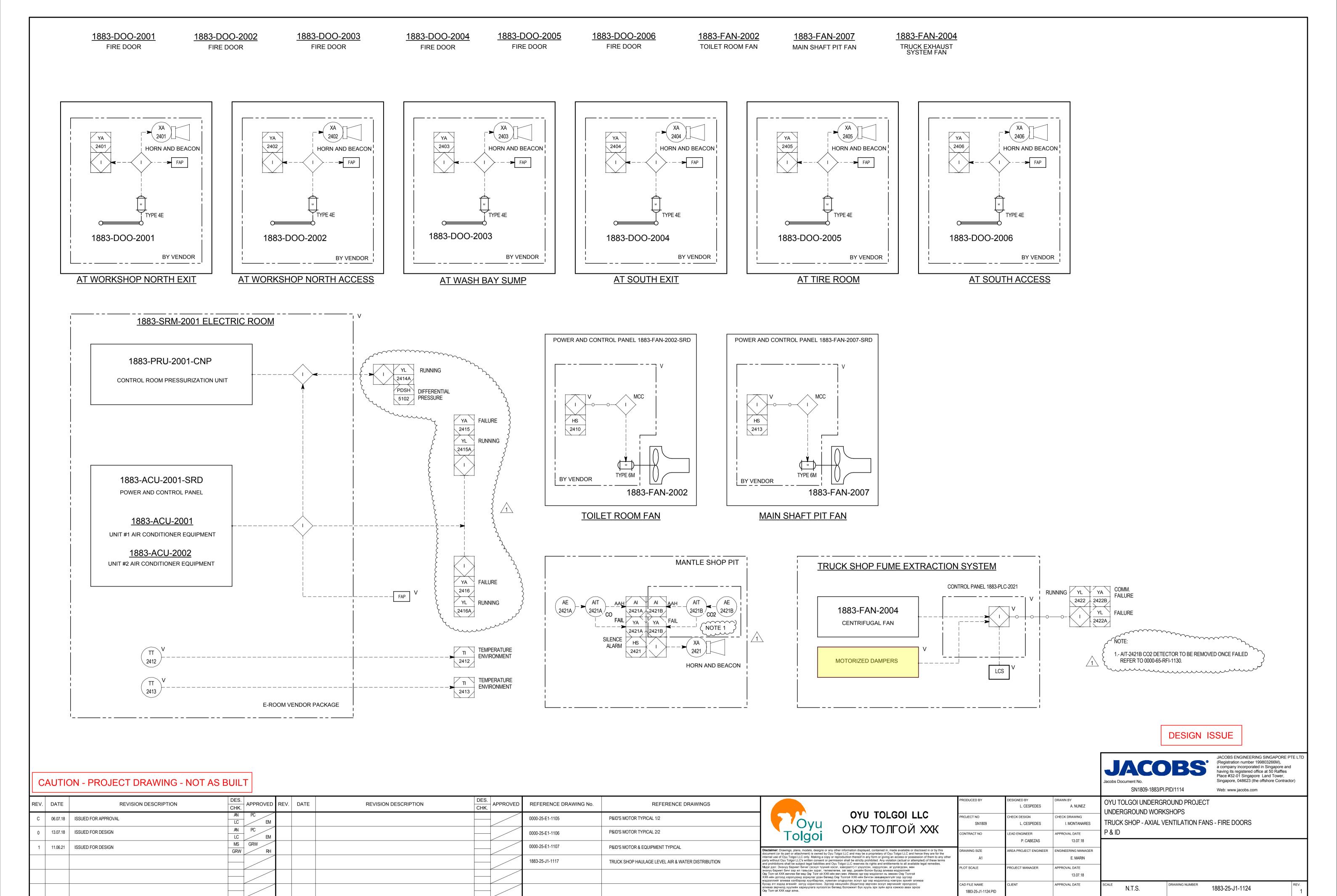


CLIENT NAME: OYU TOLGOI LLC

PROJECT NAME: Oyu Tolgoi Underground Project Rev_1

	REQU	JEST FOR I	NFORMATIO	N (RFI)			
TO:	Jacobs			DATE:	07-07-202	22	
FROM: PHONE #:	MCS International LLC			RFI No: REV #	TWS-0414-RFI-0033		
+976-77226262				ICE V #	0		
SUBJECT: 1	883: Unclear location o	f truck sh	op fume ex	traction syste	em dampe	rs	
Refer	ence Document No.	Rev No.		Titl	е		
	1883-25-J1-1124	1		- AXIAL VENTILAT			
	1883-35-C2-1102	2		D VENTILATION SY			
	1883-35-C2-1103	2	EXHAUST AN	D VENTILATION SY	/STEM – TRU	CK SHOP - PLAN	
1	881-55-DSH-1107	0	DAT	A SHEET FUME EX	(TRACTION S	YSTEM	
Discipline C	Codes (Mandatory) D1 (CSA) - □ D2 (MP) - □ D3 (E&I) - □ D4 (Otl		D4 (Other) -				
Motorized dampers are mentioned in 1883-25-J1-1124, but not mentioned motorized dampers in 1883-35-C2-1102, 1883-35-C2-1103. Also, quantity of motorized dampers is 4ea in 1881-55-DSH-1107. The Contractor requests the Company to clarify location and dimension of motorized dampers.							
☐ Case Specific: Th	e requested RFI applies only to this request and ca	annot be applied aga	in.				
☐ Corporate: It is real	commended that the RFI be incorporated into IM C	CWI procedures.					
TECHNICAL DEVI	ATION REQUIRED						
Response Requ	uired By:						
Prepared By: Delgersuren.N (SMP Engineer)	Date: 07-07-2022	Approved By: Dumburmaa.N Date: 07-07-2022				
Response:							
The reques	sted information will be	covered in	response (of the 1883-05	5-RFI-8109_	_0.	
Reference Docu	ument No.	Rev No.	Title		Comment		
Prepared By		Date	Approved By		Date		



TRUCK SHOP HAULAGE LEVEL AIR & WATER DISTRIBUTION

1883-25-J1-1117

E. MARIN

N.T.S.

1883-25-J1-1124

PPROVAL DATE 13.07.18

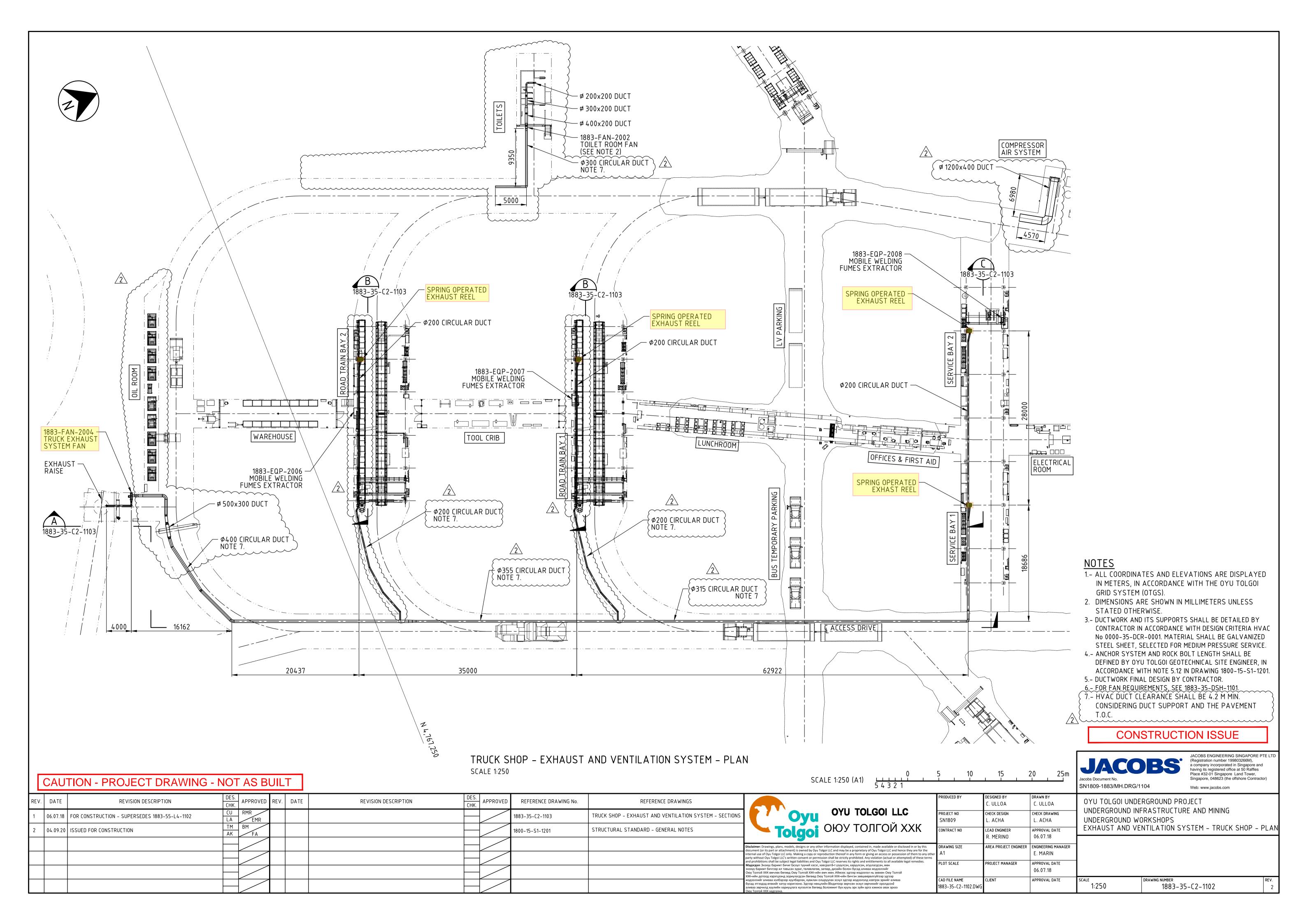
APPROVAL DATE

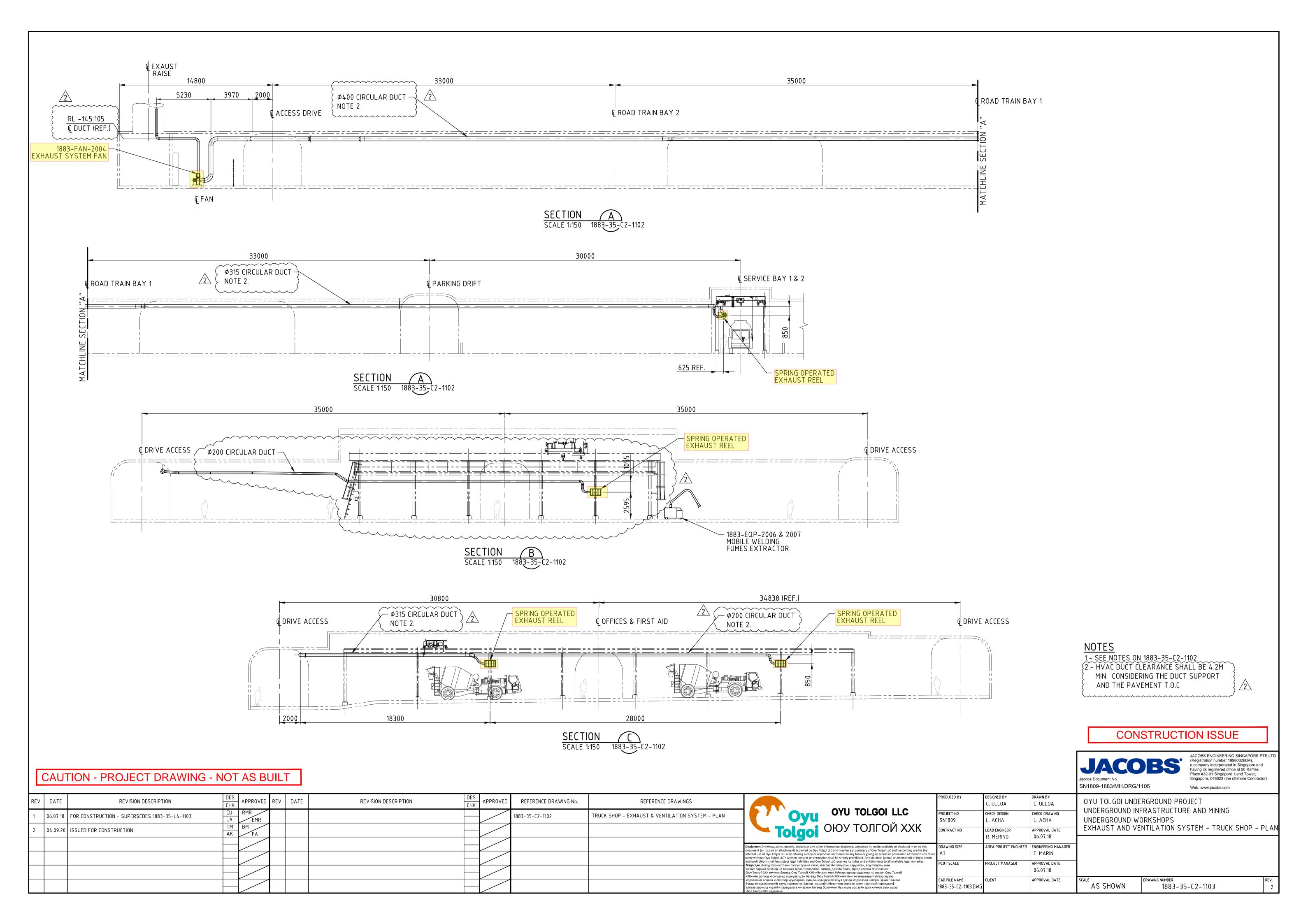
OT SCALE

AD FILE NAME

1883-25-J1-1124.PID

ROJECT MANAGER





Toyu Tolgoi		DATA SHEET FUME EXTRA	JACOBS	
Client:	Oyu Tolgoi LLC		Jacobs Document no.:	SN1809-1881/MP.DST/1107
Project:	Oyu Tolgoi Underground Project		Client Document no.:	1881-55-DSH-1107
Location:	Mongolia		Revision:	0
Area:	1883		Contractor:	
Equipment no./s:	1883-FAN-2004		Supply Contract no.:	
Equipment name/s:	Truck Shop Fume Exhausting Sys	stem	Quantity:	1

_читр	ment name/s: Truck Shop Fume Exhausting System		Quantity:	1	
	Parameters	Units	Data by Company	Data by Contractor	Rev
1.0	DESCRIPTION			·	
1.1	Manufacturer / Model		By Contractor		
1.2	Service		Vehicle exhaust		
1.3	Application elevation	m.a.s.l.	150		
1.4	Air Density	kg/m ³	1.2		
1.5	Operating temperature (gas)	°C	400-600		
1.6	Design temperature (exterior)	°C	2 - 45		
1.8	Noise level, 1.0 m from source		Less than 80 dBA		
0.0	HOOF REEL ACCEMBLY				
	HOSE REEL ASSEMBLY Arm				
2.1	Quantity	ea	4		
	Mounting brackets	Describe	By Supplier		_
	Boom type / size	Describe	By Supplier		+
	Swivels	Describe	By Supplier		_
2.2		Describe	Ву Заррнет		+
	Quantity	ea	4		_
	Type / model	Ca	Self coiling reel		_
	Drum diameter	mm	By supplier		_
	Drum width	mm	By supplier		+
	Drum material	mm / type	By supplier		+
	Drum end flanges material	mm / type	By supplier		+
	Coating	mm/ type	By supplier		+-
	Driver motor	kW	0.37		
	Push button switch	KVV	Wired to the hose		_
2.3	Hose		Whed to the nose		_
2.3	Quantity		4		_
	Design temperature	ea °C	Suitable for intermitent operation in a		-
	Design temperature		range of 400 - 600 °C		
	Hose diameter	mm	150 (Note 1)		_
	Hose lenght	m	10 (Note 1)		_
	Hose construction		Helical wound spring inbedded w/		_
	11000 00110110011		double ply liner		
	Hose material	Describe	By Supplier		
2.4	Nozzle				
	Quantity	ea	By Supplier		
	Type / model		By Supplier		
	Mounting type		Vertical or undercarriage stack exhaust		
	Nozzle size		By Supplier		
	Nozzle material		By Supplier		
	Mounting brackets		Included		
	Damper		shut-off damper		
	EXHAUST FAN AND MOTOR				
3.1	Quantity		1		
3.2	Fan type	1	Centrifugal fan, impeller backward		
2.2	For mounting	1	curved blades		+
3.3	Fan mounting	1	AMCA B		+
3.4	Material Regring life L-10	h.	By Supplier 100 000		+-
3.5	Bearing life L-10 Fan housing material	hr			-
3.6	Fan nousing material Impeller material		By Supplier By Supplier		+
3.8	Fan air flow (actual)	m³/hr	4500 Note 1)		+
3.9	Static pressure	m°/hr Pa (iwg)	2800 (Note 1)		+
3.10	Motor Voltage, phases, frequency	(V/ph/Hz)	400/3/50		+
3.10	Fan motor size	kW	6 (Note 1)		-
3.12	VDF	IV V	By Supplier		+-
U. 12	. 1		Σή σαρρίιοι		+
4.0	DUCTING				
4.1	Duct material		Design Criteria HVAC 0000-35-DCR-		
		1	0001		
4.2	Flexible connections		Design Criteria HVAC 0000-35-DCR-		\top
			0000		
4.3	Instruments test ports		Design Criteria HVAC 0000-35-DCR-		
	Detection		0001		
4.4	Painting	1	Protective Coating Specification 0000-00- SPE-0002		
			SPE-0002		+-
5.0	INSTRUMENTATION				
	Motorised Damper				
0.1	motorisod bamper				

	Quantity		4		
	Manufacturer		Note 3		
	Model		Note 3		
	Туре		Motorised		
	Power Supply		24 VDC		
	Body material		By Supplier		
	IP Rating		IP65		
	Area classification		Non-Hazardous area		
5.2	Hose Reels Switch				
	Quantity		4		
	Manufacturer		Note 3		
	Model		Note 3		
	Туре		Position Switch		
	Contacts Capacity		24 VDC @ 3A		
	Body material	+	By Supplier		
	IP Rating	+	IP65		
	Area classification	+	Non-Hazardous area		
5.3	Operation Local Station (Up/Down)	+	Tron nazaraodo area		
0.0	Quantity	+	4		
	Manufacturer	+	Note 3		
	Model	+	Note 3		
		+			
	Type	+	Two (2) Switch NO / NC 24 VDC @ 3A		-
	Contacts Capacity				-
	Body material		By Supplier		_
	IP Rating		IP65 S.S.		_
	Area classification		Non-Hazardous area		
	Local Control				
5.5	Control System (Manufacturer / Model)		Allen-Bradley / CompactLogix		
	CPU		Compact Logix 1768-L45		
	PLC Power Supply		Compact Logix 1768-PB3		
	Digital Input Module		Compact Logix 1769-IQ16		
	Interface module and cable for digital input module		1492-IFM20F-F24A-2 + 1492- CAB025B69		
	Individual Isolated Relay Output Module		Compact Logix 1769-OW8I		
	Interface module and cable for relay output module		1492-IFM20F-FS24-2 + 1492-		
	, , , , , , , , , , , , , , , , , , , ,		CAB025D69		
	Interface module and cable for analog current output module		1492-AIFM4I-F-5 + 1492-		
			ACAB025AE69		
	Ethernet Communication Module		Compact Logix 1768-ENBT / One (1)		
	Instrument Power Supply		Allen-Bradley		
	Body material		S.S.		
	IP Rating		IP65		
5.6	Push buttons		Star / Stop		
5.7	Pilot Lights		Running / Fault / Stop		
5.8	Multivariable indication (voltage, current, power, power factor)		No		
5.9	Remote monitoring by means of Ethernet/IP Control Network (note 4)				
	Fume Extraction System Failure	Yes/No	Yes		
	Fume Extraction System Stopped	Yes/No	Yes		1
	Fume Extraction System Running	Yes/No	Yes		
6.0	WEIGHTS AND DIMENSIONS				
6.1	Arm	kg	By Supplier		
6.2	Hose & Reel assembly	kg	By Supplier		
6.3	Exhaust fan & motor	kg	By Supplier		
6.4	Ducting	kg	By Supplier		\vdash
6.5	Panel	kg	By Supplier		
	NOTES:				
1	Dimensions shall be confirmed by supplier				
2	The tenderer shall complete data sheet for each motor include in supplied. See attached motor data sheet .				
3	The brand and model are shown in a Preferred Electrical, Instrumentation and Controls Equipment List 000-65-LST-1102.,				
	Models not included in this list must be defined by the supplier.				
4	Data transfer table must be programmed and enabled in the PLC for transfer data to the PLC area controller.				

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