


 MEG ENERGY	CHRISTINA LAKE REGIONAL PROJECT Phase 3A EPC for Central Plant Facilities SLI Project No. 511036	 SNC-LAVALIN

 SNC-LAVALIN	<input type="checkbox"/> A1 Not suitable to initiate fabrication. modify as noted. resubmit for review
	<input type="checkbox"/> B1 Suitable to initiate fabrication as noted. modify as noted. resubmit for review
Vendor's drawing review for conformity with specifications and design drawing.	<input type="checkbox"/> C1 Suitable to fabricate to completion as noted. submit final documents including as-builts as required
This review does not relieve the vendor of his responsibility for errors in design and detailing as detailed in his contract.	<input checked="" type="checkbox"/> D1 Suitable to fabricate to completion. submit final documents including as-built documents as required
	<input type="checkbox"/> E1 Not suitable as final documents as noted. modify as noted and resubmit.
	<input type="checkbox"/> F1 Suitable as final documents. no further resubmittal required (unless revised by vendor)
Vendor: Atlas Copco Compressors Canada (Calgary) - 1857	No.: 149779 - Skid Piping Line Table Rev: 3
Doc. Title: K56.91 - Skid Piping Line Table - Tag: 3A-PK-570	
Client Code:	Project: MEG Phase 3A EPC
Reviewed by:  Date: 24-Apr-2014	Document No P-5447-01-0055
Submittal 04	

Line List - Tag # 3A-PK-570 Instrument Air Package

System	Package #	Pipe Spec	Nom. Pipe Size	Line No.	Pipe Sch.	Hot Dip Galv.	Paint Code	Insulation	Trace	Flow from	Flow to	Flow Diagram No.	X-Ray	PWHT	Corr. Allow. (mm)	Oper. Press. (kPag)	Oper. Temp. (°C)	MDMT Temp. (°C)	Design Press. (kPag)	Design Temp. (°C)	Test Press. (kPag)	Test Medium	Remarks
IA	3A-PK-570	AI	3"	5420	40	Yes	-	-	-	Compressor Outlet 3A-K-571A	IA-5425-3"-AI or IA-5426-4"-AI	3798-02	10%	NA	1.6	920	43	-29	1034	55	2069	WATER	PSV-57112 set @ 1034 kPag
IA	3A-PK-570	AI	3"	5421	40	Yes	-	-	-	Compressor Outlet 3A-K-571B	IA-5424-3"-AI or IA-5426-4"-AI	3798-02	10%	NA	1.6	920	43	-29	1034	55	2069	WATER	PSV-57122 set @ 1034 kPag
IA	3A-PK-570	AI	3"	5422	40	Yes	-	-	-	Compressor Outlet 3A-K-571C	IA-5423-3"-AI or IA-5426-4"-AI	3798-02	10%	NA	1.6	920	43	-29	1034	55	2069	WATER	PSV-57132 set @ 1034 kPag
IA	3A-PK-570	AI	3"	5423	40	Yes	-	-	-	IA-5422-3"-AI, IA-5424-3"-AI, or IA-5425-3"-AI	Start Up Vent (TP-02)	3798-02	10%	NA	1.6	920	43	-29	1034	55	2069	WATER	PSV-57112, 57122 & 57132 set @ 1034 kPag
IA	3A-PK-570	AI	3"	5424	40	Yes	-	-	-	IA-5421-3"-AI	IA-5423-3"-AI	3798-02	10%	NA	1.6	920	43	-29	1034	55	2069	WATER	PSV-57112, 57122 & 57132 set @ 1034 kPag
IA	3A-PK-570	AI	3"	5425	40	Yes	-	-	-	IA-5420-3"-AI	IA-5423-3"-AI	3798-02	10%	NA	1.6	920	43	-29	1034	55	2069	WATER	PSV-57112, 57122 & 57132 set @ 1034 kPag
IA	3A-PK-570	AI	4"	5426	40	Yes	-	-	-	IA-5420-3"-AI, IA-5421-3"-AI, or IA-5422-3"-AI	Wet Receiver Inlet V-5711	3798-02	10%	NA	1.6	920	43	-29	1034	55	2069	WATER	PSV-57112, 57122 & 57132 set @ 1034 kPag
IA	3A-PK-570	AI	4"	5427	40	Yes	-	-	-	Portable Compressor Hook Up (TP-03)	IA-5426-4"-AI	3798-02	10%	NA	1.6	920	43	-29	1034	55	2069	WATER	PSV-571101 set @ 1034 kPag
IA	3A-PK-570	AI	6"	5428	40	Yes	-	-	-	Wet Receiver Outlet V-5711	Pre Filter Inlet F-5731-A	3798-02	10%	NA	1.6	920	43	-29	1034	55	2069	WATER	PSV-571101 set @ 1034 kPag
IA	3A-PK-570	AI	6"	5429	40	Yes	-	-	-	Pre Filter Outlet F-5731-A	Dryer Inlet D-573-A/B	3798-02	10%	NA	1.6	920	43	-29	1034	55	2069	WATER	PSV-57311 & 57312 set @ 1034 kPag
IA	3A-PK-570	AI	6"	5430	40	Yes	-	-	-	Wet Receiver Outlet V-5711	Pre Filter Inlet F-5731-B	3798-02	10%	NA	1.6	920	43	-29	1034	55	2069	WATER	PSV-571101 set @ 1034 kPag
IA	3A-PK-570	AI	6"	5431	40	Yes	-	-	-	Pre Filter Outlet F-5731-A	Dryer Inlet D-573-C/D	3798-02	10%	NA	1.6	920	43	-29	1034	55	2069	WATER	PSV-57321 & 57322 set @ 1034 kPag
IA	3A-PK-570	AI	6"	5432	40	-	S3	-	-	Dryer Outlet D-573-A/B	After Filter Inlet F-5732-A	3798-02	10%	NA	1.6	870	43	-29	1034	55	2069	WATER	PSV-57311 & 57312 set @ 1034 kPag
IA	3A-PK-570	AI	6"	5433	40	-	S3	-	-	Dryer Outlet D-573-C/D	After Filter Inlet F-5732-B	3798-02	10%	NA	1.6	870	43	-29	1034	55	2069	WATER	PSV-57321 & 57322 set @ 1034 kPag
IA	3A-PK-570	AI	6"	5434	40	-	S3	-	-	After Filter Outlets F-5732-A & B	Instrument Air Out (TP-01)	3798-02	10%	NA	1.6	870	43	-29	1034	55	2069	WATER	PSV-57311 & 57312 or PSV-57321 & 57322 set @ 1034 kPag
OD	3A-PK-570	A	1"	5070	80	-	S3	-	-	Compressor Drains K-571A, B & C	OD-5072-1"-A	3798-02	5%	NA	1.6	0	43	-29	0	55	690	AIR	Atmospheric line - leak test only
OD	3A-PK-570	A	3/4"	5071	80	-	S3	-	-	Wet Receiver Drain Outlet V-5711	OD-5072-1"-A	3798-02	5%	NA	1.6	920	43	-29	1034	55	2069	WATER	PSV-571101 set @ 1034 kPag
OD	3A-PK-570	A	1"	5072	80	-	S3	-	-	OD-5070-1"-A and OD-5071-3/4"-A	Drain Outlet (TP-04)	3798-02	5%	NA	1.6	0	43	-29	0	55	690	AIR	Atmospheric line - leak test only

PIPING MATERIALS


IA PIPE (BUTT WELD):	IA-106 B SMLS SCH 40 WALL, BUTT WELD for 2" to 6" NPS
IA PIPE (THREAD):	IA-106 B SMLS SCH 80 WALL, THRD for 1/2" to 1" NPS
OD PIPE (SOCKET WELD):	IA-106 B SMLS SCH 80 WALL, SOCKET WELD for 3/4" to 1" NPS
IA FITTINGS (BUTT WELD):	IA-105 N, A-234 WPB, 3000#, 150#, SCH 40 WALL for 2" to 6" NPS
IA FITTINGS (THREAD):	IA-105 N, A-234 WPB, 3000#, 150#, SCH 160 WALL for 1/2" to 1" NPS
OD FITTINGS (SOCKET WEL	IA-105 N, A-234 WPB, 3000#, 150#, SCH 160 WALL for 1/2" to 1" NPS
OD FITTINGS (THREAD):	IA-105 N, A-234 WPB, 3000#, 150#, SCH 160 WALL for 1/2" to 1" NPS

149779 - SKID PIPING LINE TABLE
REV 03, 16/APR/2014
PO: P-5447-01 SNC - MEG ENERGY
Project CLRP PHASE 3A EPC FOR CENTRAL PLANT FACILITY (SLI#511036)
INSTRUMENT AIR PACKAGE TAG # : 3A-PK-570

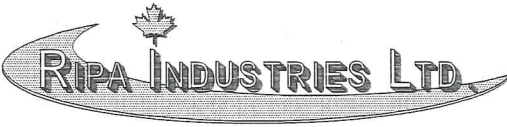
NOTES:

- CODE: BUILT TO - ASME B31.3-2012
INSTRUMENT AIR PIPING TO PIPE CLASS 'A1'
DRAIN PIPING TO PIPE CLASS 'A' - THREADED CONNECTIONS ACCEPTED WHERE SOCKET WELDING ISN'T SUITABLE.
- PIPING BETWEEN COMPRESSORS AND DRYERS TO BE HOT DIP GALVANIZED.
- PIPING AFTER DRYER TO SKID EDGE TO SYSTEM CODE
DRAIN PIPING INSIDE SKID TO SYSTEM CODE S3, PRIMER P11, FINISH COAT P19
- ALL TAGS TO BE PRE-FIXED WITH "3A-"

REVISIONS			
DATE	DESCRIPTION	BY	APP'D
A 11/15/13	ISSUED FOR APPROVAL	T.Austin	
0 17/01/14	REVISED AS PER COMMENTS - ISSUED FOR CONSTRUCTION	T.Austin	
1 17/03/14	REVISED AS PER COMMENTS - ISSUED FOR CONSTRUCTION	T.Austin	
2 17/03/14	REVISED AS PER COMMENTS - ISSUED FOR CONSTRUCTION	T.Austin	
PROJECT CLRP PHASE 3A CENTRAL PLANT FACILITY: EPC			
PHASE 3A			
CUSTOMER SNC LAVALIN for MEG ENGERY CORP.			
P.O.NO. P-5447-01			
DRAWING DESCRIPTION			
INSTRUMENT AIR COMPRESSOR PACKAGE: 3A-PK-570 LINE LIST			

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AC P.O. NO. 149779 AC DOCUMENT NO. 149779-3798LINELIST

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DRAWN BY: Trevor Austin DATE: November 15/13 SCALE: N.T.S.
CHECKED BY: DATE: RIPA FILE: 3798

DRAWING NUMBER: 3798-LINELIST Sht: 1 of 1 REV: 2