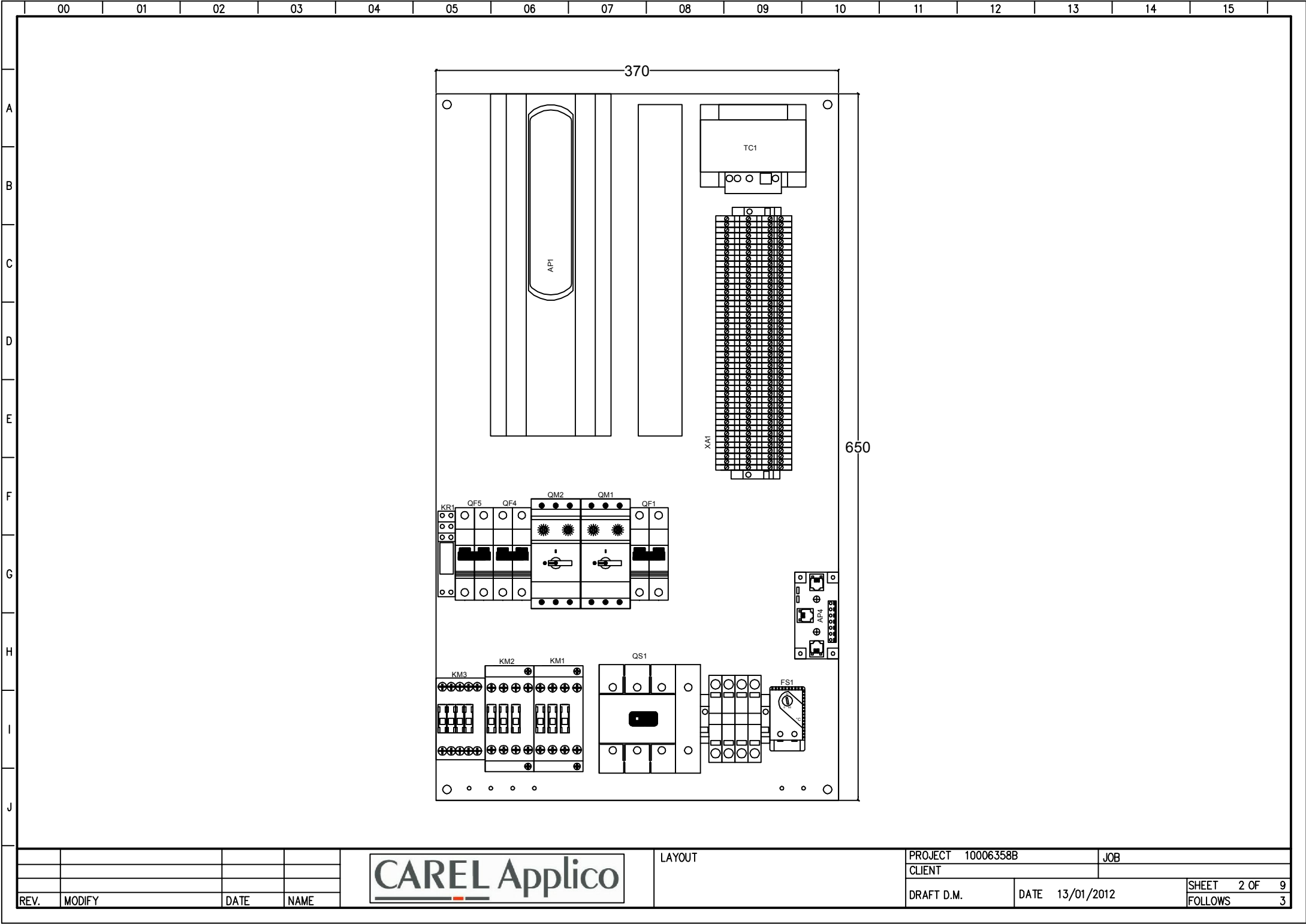


SHEET	TITLE
1	INDEX
2	LAYOUT
3	POWER
4	DIGITAL OUTPUT
5	ANALOG OUTPUT
6	DIGITAL INPUT – FIELD BUS
7	ANALOG INPUT – DISPLAY
8	TABELLA POTENZA RESTANTE NELLA
9	PART LIST



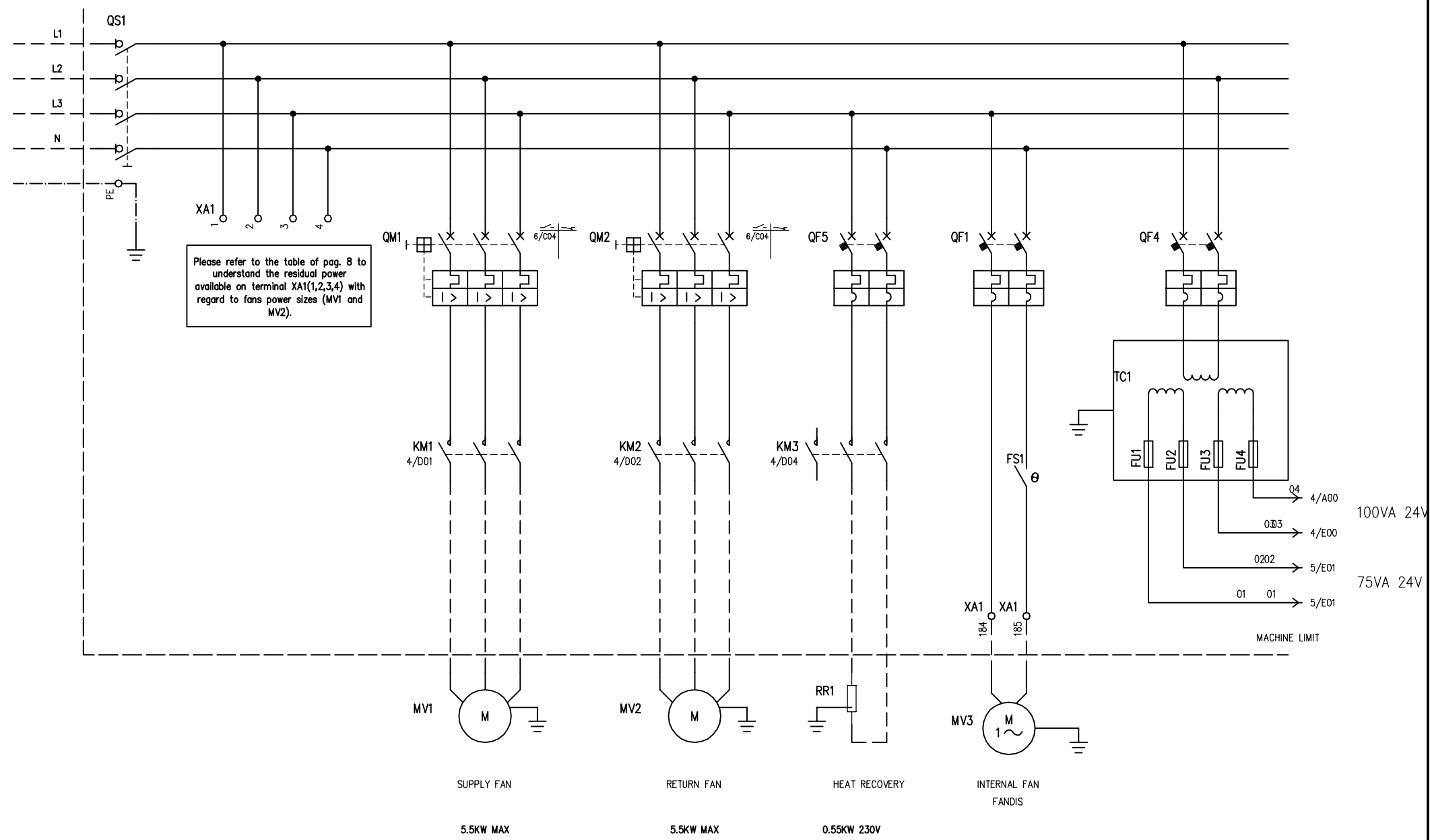
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DESIGN	VOLTAGE EXERCISE	400V	STANDARD	PROTECTION
SERIES	VOLTAGE CONTROLS	24V		
JOB	VOLTAGE SIGNALS			
CLIENT				
			CM00006173	
			STD E.P. CAREL U.K. AHU SUPPLY/RETURN5.5–5.5KW+HW	
			10006358B.DWG	
REV.	REVISION	DATE	NAME	SHEET
				1
				T.F. 9



SUPPLY 3P+N+T 400V-50HZ IN MAX=90A AC23 125A AC1

A
B
C
D
E
F
G
H
I
J

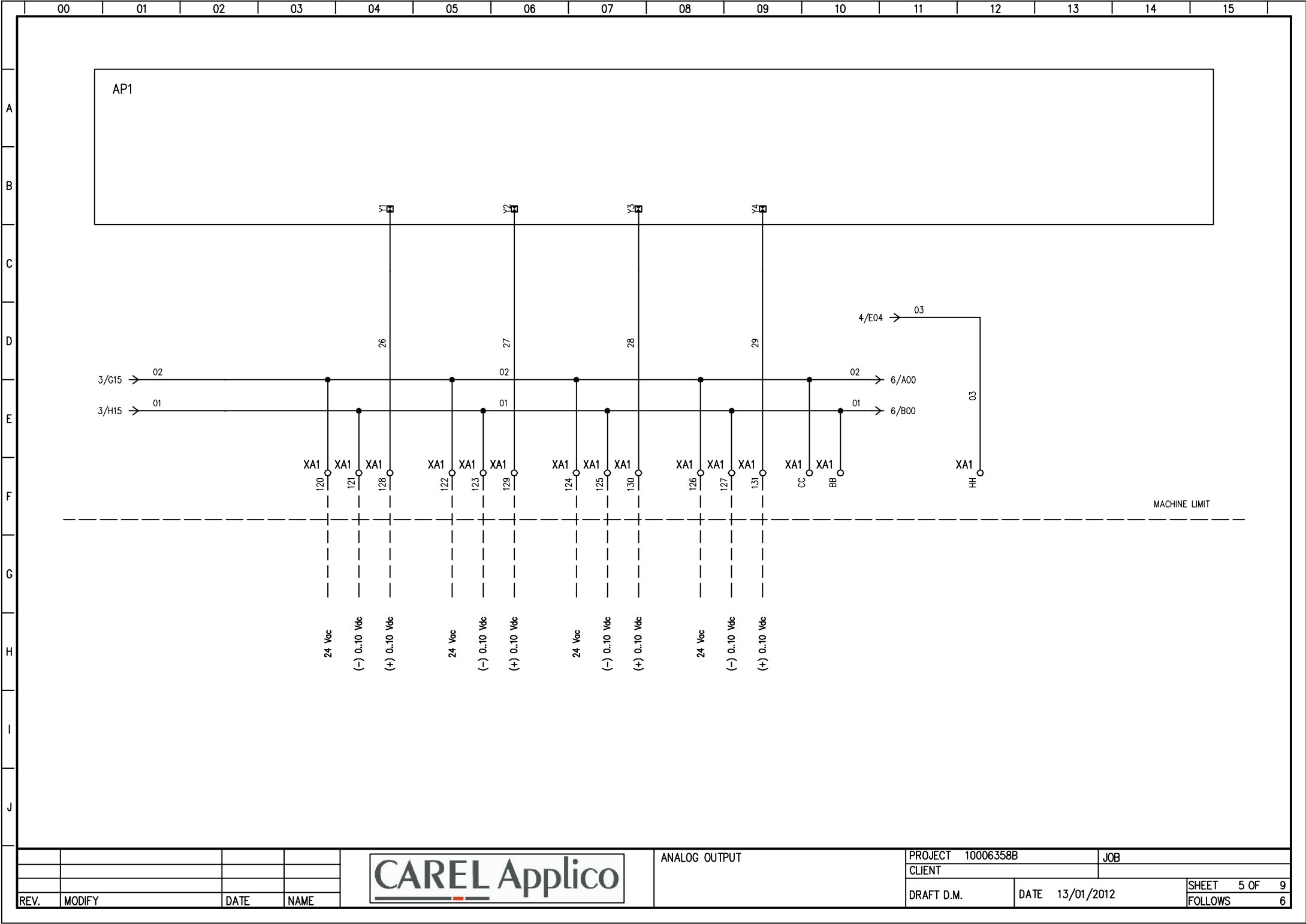


Please refer to the table of pag. 8 to understand the residual power available on terminal XA1(1,2,3,4) with regard to fans power sizes (MV1 and MV2).

REV.	MODIFY	DATE	NAME



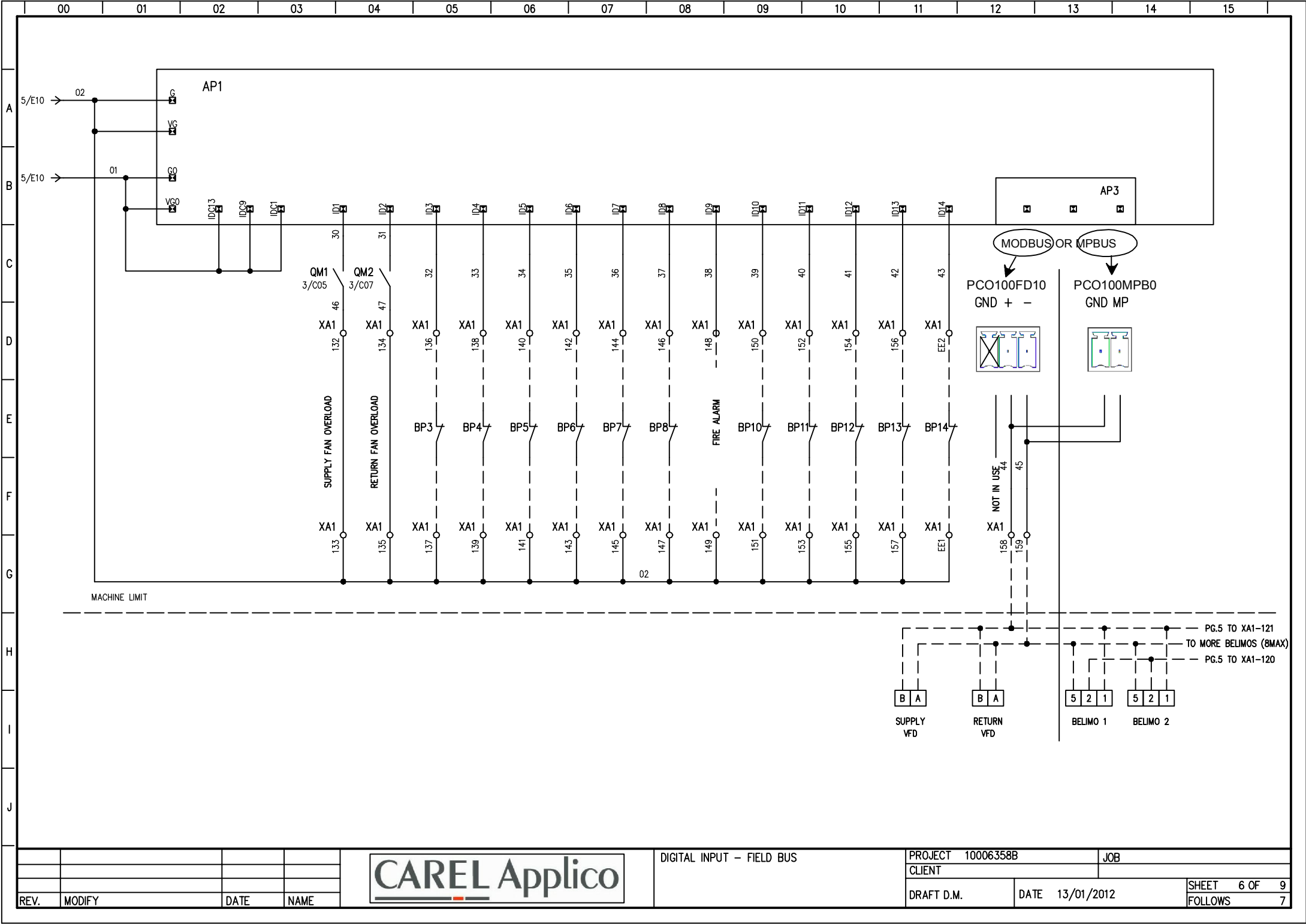
POWER		PROJECT 10006358B		JOB	
		CLIENT			
DRAFT D.M.		DATE 13/01/2012		SHEET 3 OF 9	
				FOLLOWS 4	



REV.	MODIFY	DATE	NAME



ANALOG OUTPUT		PROJECT 10006358B	JOB
		CLIENT	
DRAFT D.M.	DATE 13/01/2012	SHEET 5 OF 9	FOLLOWS 6



REV.	MODIFY	DATE	NAME



DIGITAL INPUT - FIELD BUS		PROJECT 10006358B	JOB
		CLIENT	
DRAFT D.M.	DATE 13/01/2012	SHEET 6 OF 9	FOLLOWS 7

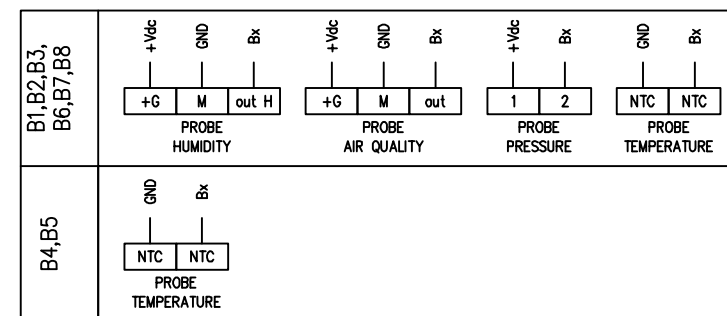
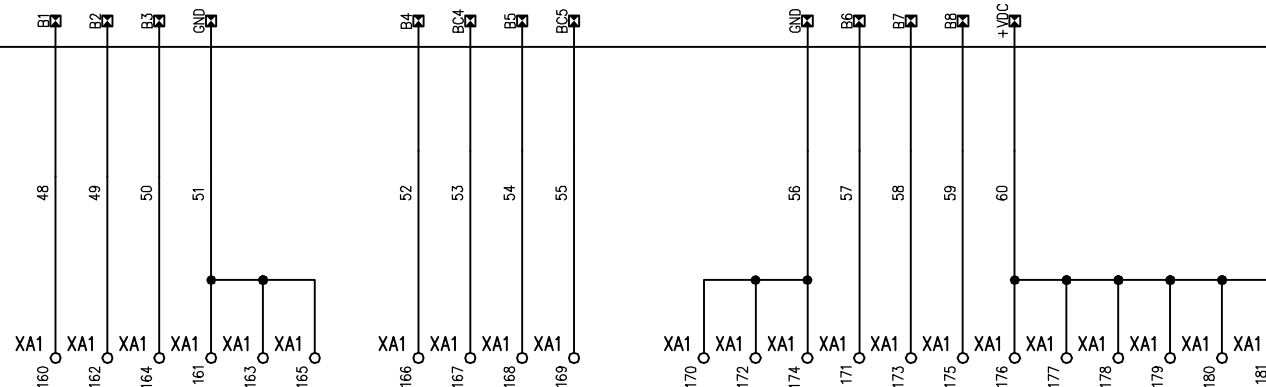


Table representing data in Amps.

	Supply Fan(s) Power	0,55 Kw	0,75 Kw	1,1 Kw	1,5 Kw	2,2 Kw	3 Kw	4 Kw	5,5 Kw	7,5 Kw	11 Kw	15 Kw
Extract Fan(s) Power	Amps											
		1	1,5	2	3	4	5,5	7,5	10	14	20	28
0,55 Kw	1	95	95	95	95	95	95	95	95	95	95	90
0,75 Kw	1,5	95	95	95	95	95	95	95	95	95	95	89,5
1,1 Kw	2	95	95	95	95	95	95	95	95	95	95	88
1,5 Kw	3	95	95	95	95	95	95	95	95	95	95	88
2,2 Kw	4	95	95	95	95	95	95	95	95	95	95	87
3 Kw	5,5	95	95	95	95	95	95	95	95	95	93,5	85,5
4 Kw	7,5	95	95	95	95	95	95	95	95	95	91,5	83,5
5,5 Kw	10	95	95	95	95	95	95	95	95	95	89	87
7,5 Kw	14	95	95	95	95	95	95	95	95	91	85	77
11 Kw	20	95	95	95	95	95	93,5	91,5	89	85	79	71
15 Kw	28	90	89,5	89	88	87	85,5	83,5	81	77	71	63

Table representing data in Kw.

	Supply Fan(s) Power	0,55 Kw	0,75 Kw	1,1 Kw	1,5 Kw	2,2 Kw	3 Kw	4 Kw	5,5 Kw	7,5 Kw	11 Kw	15 Kw
Extract Fan(s) Power	Kw											
		0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	11	15
0,55 Kw	0,55	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	56,1
0,75 Kw	0,75	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	55,7
1,1 Kw	1,1	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	55,4
1,5 Kw	1,5	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	54,8
2,2 Kw	2,2	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	54,2
3 Kw	3	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	58,2	53,2
4 Kw	4	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	57,0	52,0
5,5 Kw	5,5	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	55,4	54,2
7,5 Kw	7,5	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	56,7	52,9	48,0
11 Kw	11	60,0	60,0	60,0	60,0	60,0	58,2	57,0	55,4	52,9	49,2	44,2
15 Kw	15	56,1	55,7	55,4	54,8	54,2	53,2	52,0	50,4	48,0	44,2	39,2


TABLE RESIDUAL POWER AVAILABLE
ON TERMINAL XA1: TERM. 1,2,3,4

PROJECT 10006358B

JOB

CLIENT

DRAFT D.M.

DATE 13/01/2012

SHEET 8 OF 9
FOLLOWS 9

REV. MODIFY DATE NAME

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
A	SIGN	DESCRIPTION					POSITION	DESCRIPTION	NOTES							
	AP1	GENERAL CONTROL					4/A02	CAREL	PC03000AM0							
	AP2	DISPLAY					7/A13	CAREL	PGD1000FW0							
	AP3	SCHEDA FIELD BAS					6/B12	CAREL								
B	AP4	CONNECTION MODULE PGD					7/B11	CAREL	TCONN6J000							
	BP3	SUPPLY FAN FLOW					6/E05	CAREL	DCPD010100							
	BP4	RETURN FAN FLOW					6/E05	CAREL	DCPD010100							
	BP5	SUPPLY DIRTY FILTERS 1					6/E06	CAREL	DCPD010100							
C	BP6	SUPPLY DIRTY FILTERS 2					6/E07	CAREL	DCPD010100							
	BP7	RETURN DIRTY FILTERS					6/E07	CAREL	DCPD010100							
	BP8	ALARM/STATUS INPUT					6/E08									
	BP10	ALARM/STATUS INPUT					6/E09									
D	BP11	ALARM/STATUS INPUT					6/E10									
	BP12	ALARM/STATUS INPUT					6/E10									
	BP13	ALARM/STATUS INPUT					6/E11									
	BP14	ALARM/STATUS INPUT					6/E11									
E	BQ1	FRESH AIR DAMPER					4/H03	BELIMO	AF24-S							
	BQ2	EXHAUST AIR DAMPER					4/H04	BELIMO	AF24-S							
	FS1	INTERNAL FAN THERMOSTAT					3/F11	STEGO	KT 0-60°C							
	FU1	PROTECTION FUSE SECONDARY 75VA					3/F13	WEBER	5X20 4A F							
F	FU2	PROTECTION FUSE SECONDARY 75VA					3/F13	WEBER	5X20 4A F							
	FU3	PROTECTION FUSE SECONDARY 100VA					3/F13	WEBER	5X20 4A F							
	FU4	PROTECTION FUSE SECONDARY 100VA					3/F14	WEBER	5X20 4A F							
	KM1	SUPPLY FAN CONTACTOR					4/D01	MOELLER	DILM12 24V							
G	KM2	EXTRACT FAN CONTACTOR					4/D02	MOELLER	DILM12 24V							
	KM3	CONTACTOR THERMAL WHEEL					4/D04	MOELLER	DILM9 24V							
	KR1	RELAY CONSENT DAMPER					4/D02	FINDER	40.52 24V							
	MV1	SUPPLY FAN					3/H05									
H	MV2	RETURN FAN					3/H07									
	MV3	INTERNAL FAN					3/H11	FANDIS								
	QF1	AUTOMATIC SWITCH INTERNAL FAN					3/C11	MOELLER	PLSM C2/2							
	QF4	AUTOMATIC SWITCH PRIMARY TRANSFORMER					3/C13	MOELLER	PLSM C2/2							
I	QF5	AUTOMATIC SWITCH THERMAL WHEEL					3/C09	MOELLER	PLSM C4/2							
	QM1	MOTOR THERMAL PROTECTOR SUPPLY FAN					3/C05	MOELLER	PKE12+PKE-XTU-12							
	QM2	MOTOR THERMAL PROTECTOR RETURN FAN					3/C07	MOELLER	PKE12+PKE-XTU-12							
	QS1	MAIN SWITCH					3/A01	ABB SACE	OT 125 F3							
J	RR1	HEAT RECOVERY					3/H09									
	TC1	TRANSFORMER					3/E13	F.M.T.	230-400/24V 100VA+1F/24V 75VA+2F 175VA							
	XA1	TERMINAL BLOCK (1:4 - 101:181 -184:185 - CC:EE2 - N01:N02)					4/F03									
REV. MODIFY DATE NAME CAREL Applico PART LIST PROJECT 10006358B CLIENT DRAFT D.M. DATE 13/01/2012 JOB SHEET 9 OF 9 FOLLOWS																