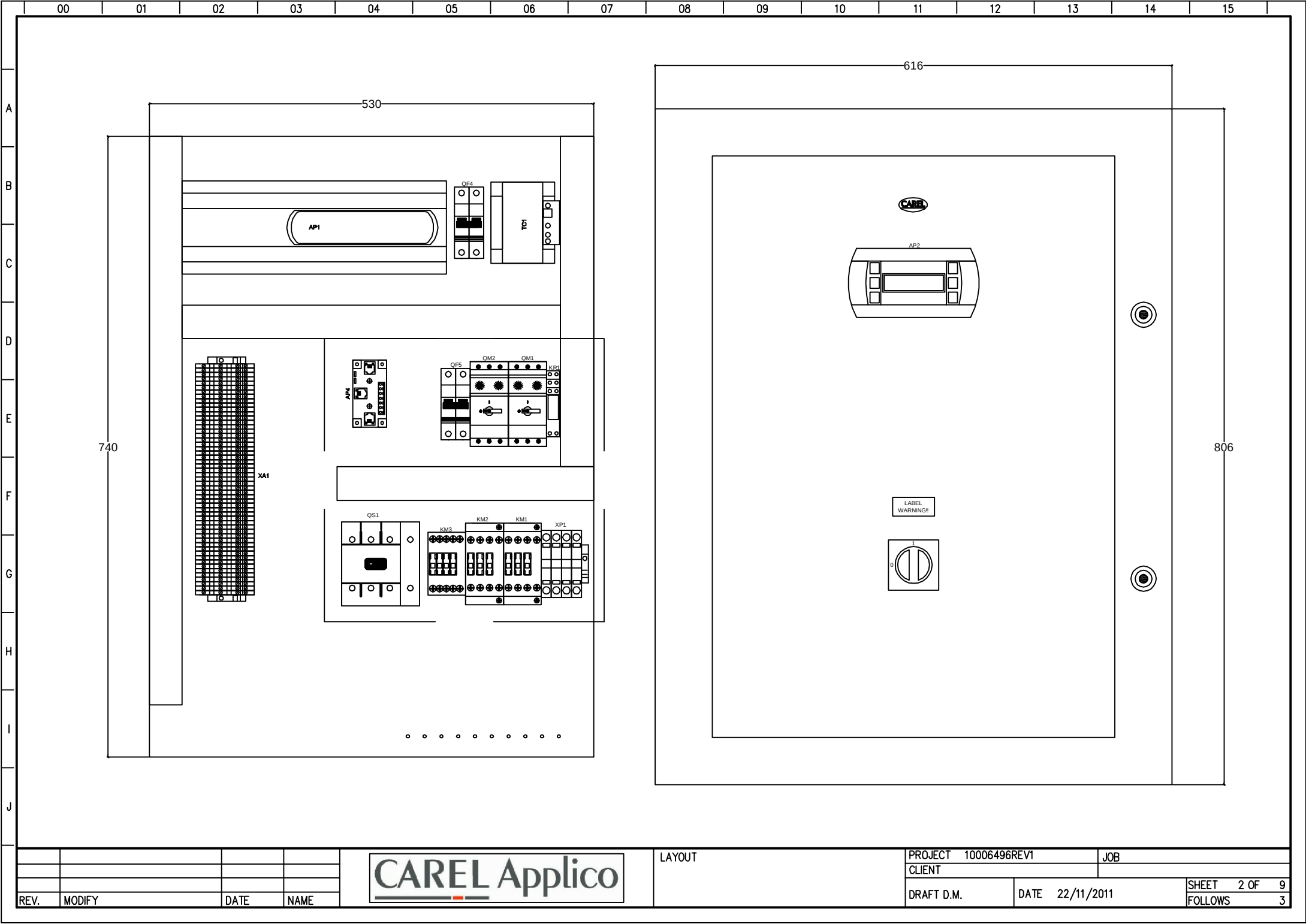


SHEET	TITLE
1	INDEX
2	LAYOUT
3	POWER
4	DIGITAL OUTPUT
5	ANALOG OUTPUT
6	DIGITAL INPUT – FIELD BUS
7	ANALOG INPUT – DISPLAY
8	TABLE RESIDUAL POWER AVAILABLE
9	PART LIST



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DESIGN	VOLTAGE EXERCISE	400V	STANDARD	PROTECTION
SERIES	VOLTAGE CONTROLS	24V		
JOB	VOLTAGE SIGNALS			
CLIENT				
			CM00006401	
			MASTERARIA DELUXE SUPERLARGE SUPPLY/RETURN 15KW	
			10006496REV1.DWG	
REV.	REVISION	DATE	NAME	SHEET 1 T.F. 9



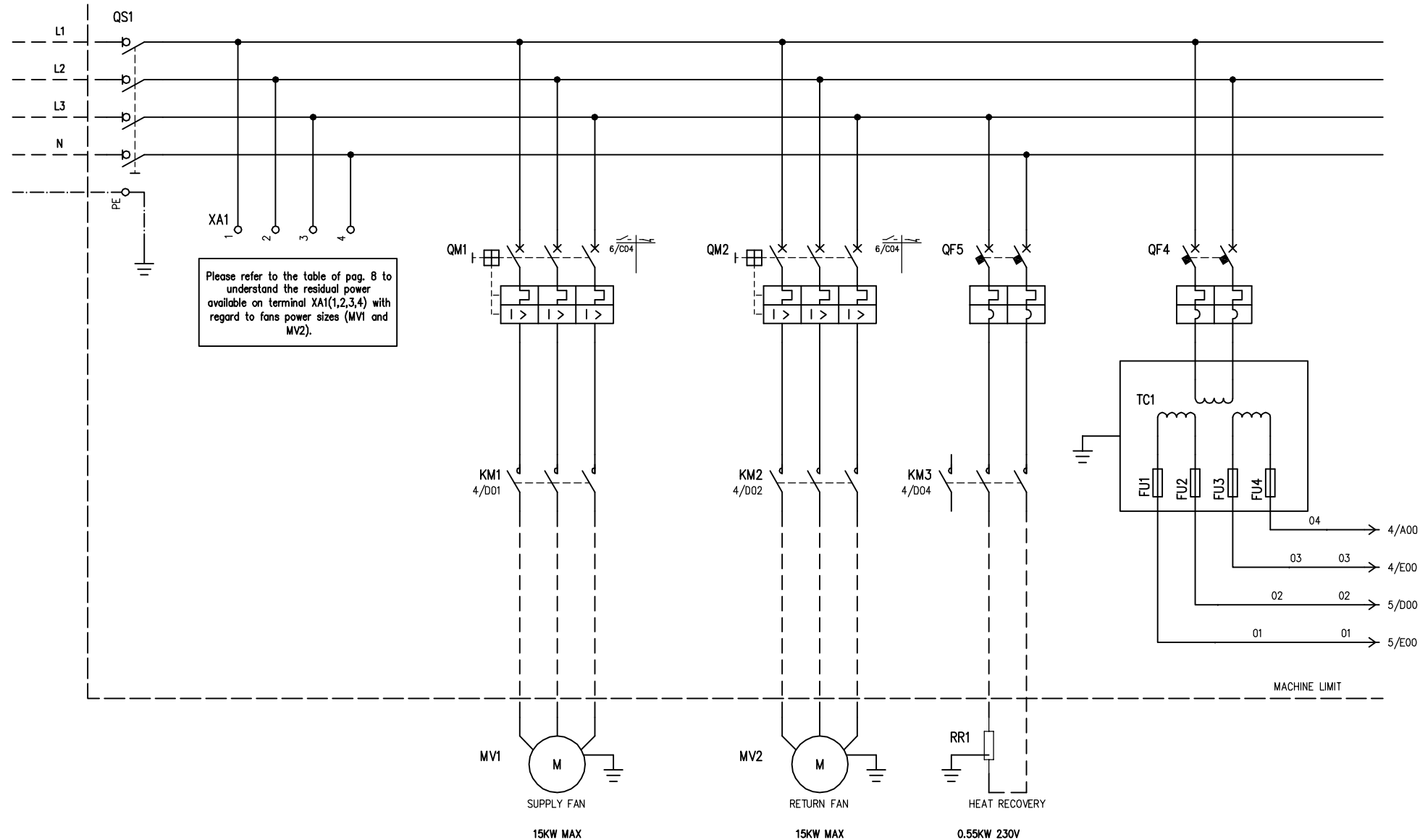
REV.	MODIFY	DATE	NAME



LAYOUT

PROJECT	10006496REV1	JOB	
CLIENT			
DRAFT D.M.	DATE	22/11/2011	SHEET 2 OF 9
			FOLLOWS 3

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



CAREL Applico

POWER

PROJECT 10006496REV1

JOB

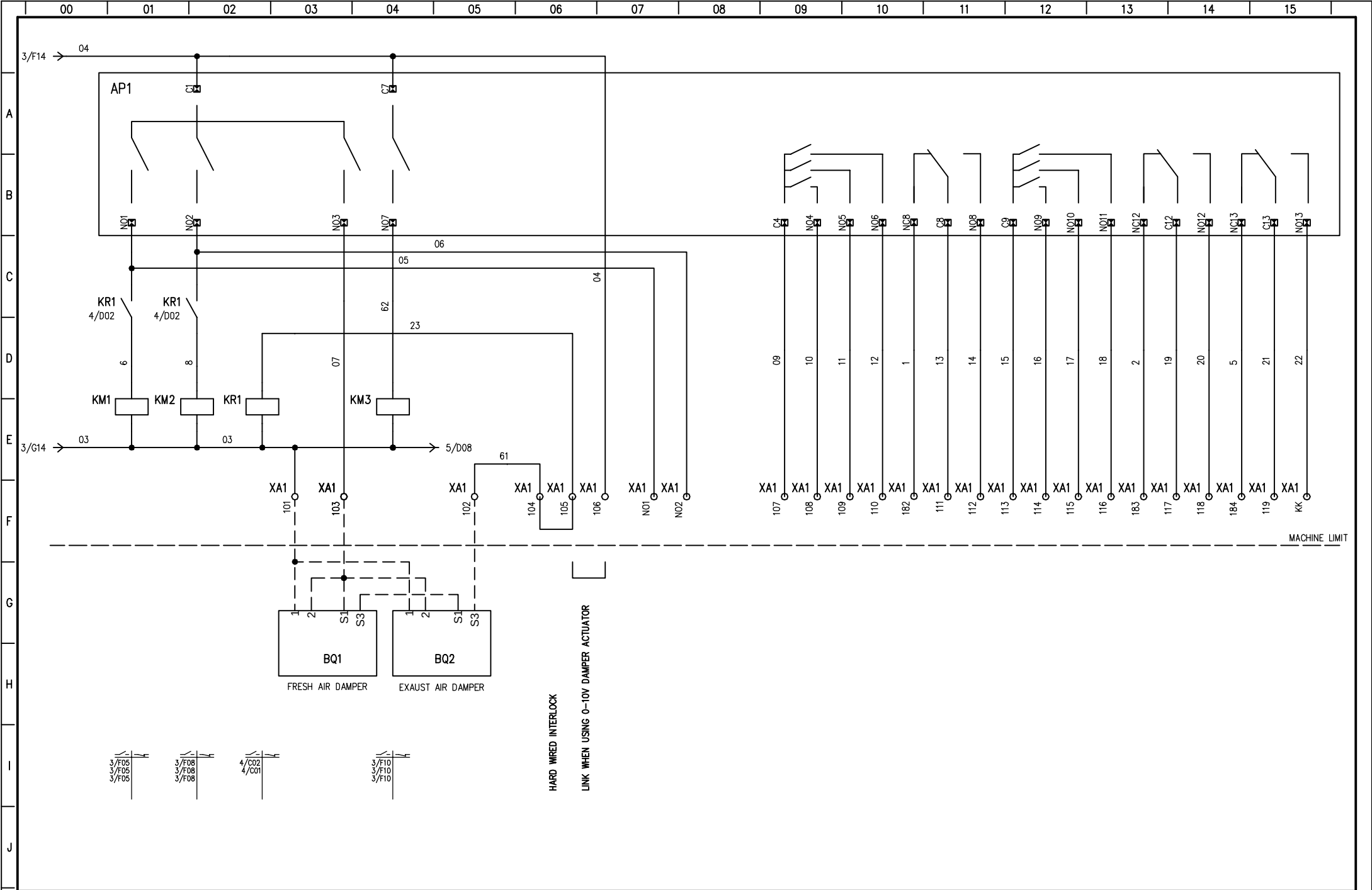
CLIENT

DRAFT D.M.

DATE 22/11/2011

SHEET 3 OF 9
FOLLOWS 4

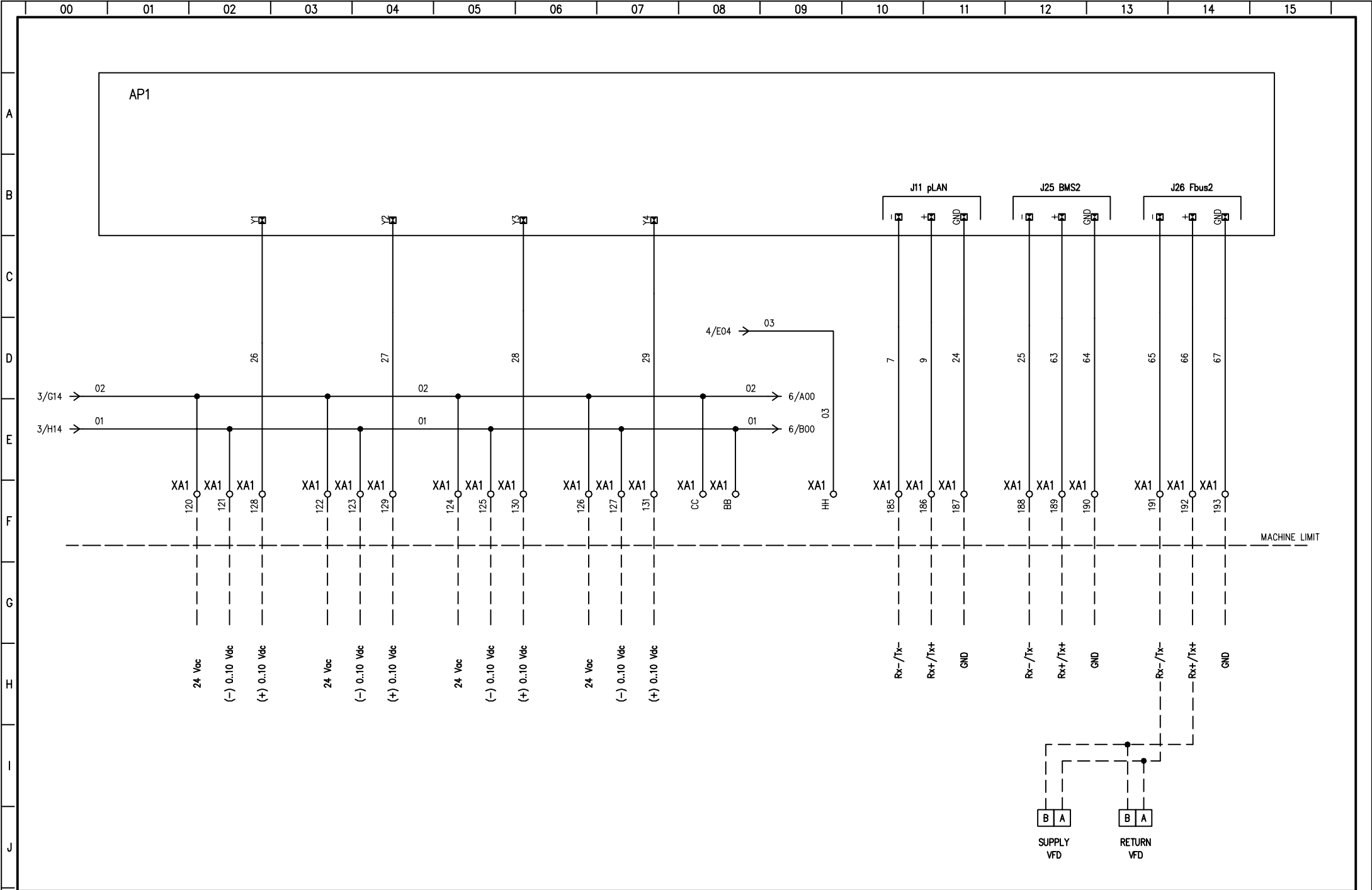
REV.	MODIFY	DATE	NAME



REV.	MODIFY	DATE	NAME



DIGITAL OUTPUT		PROJECT 10006496REV1	JOB
		CLIENT	
DRAFT D.M.	DATE 22/11/2011	SHEET 4 OF 9	FOLLOWS 5

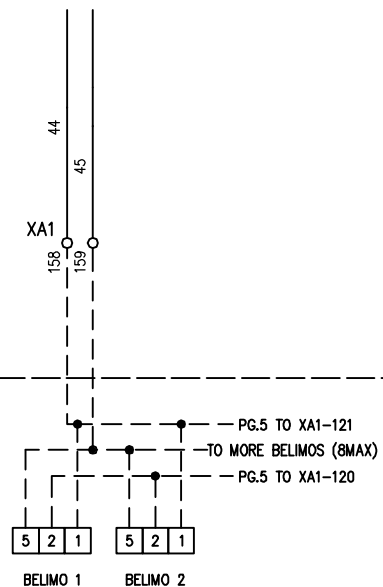
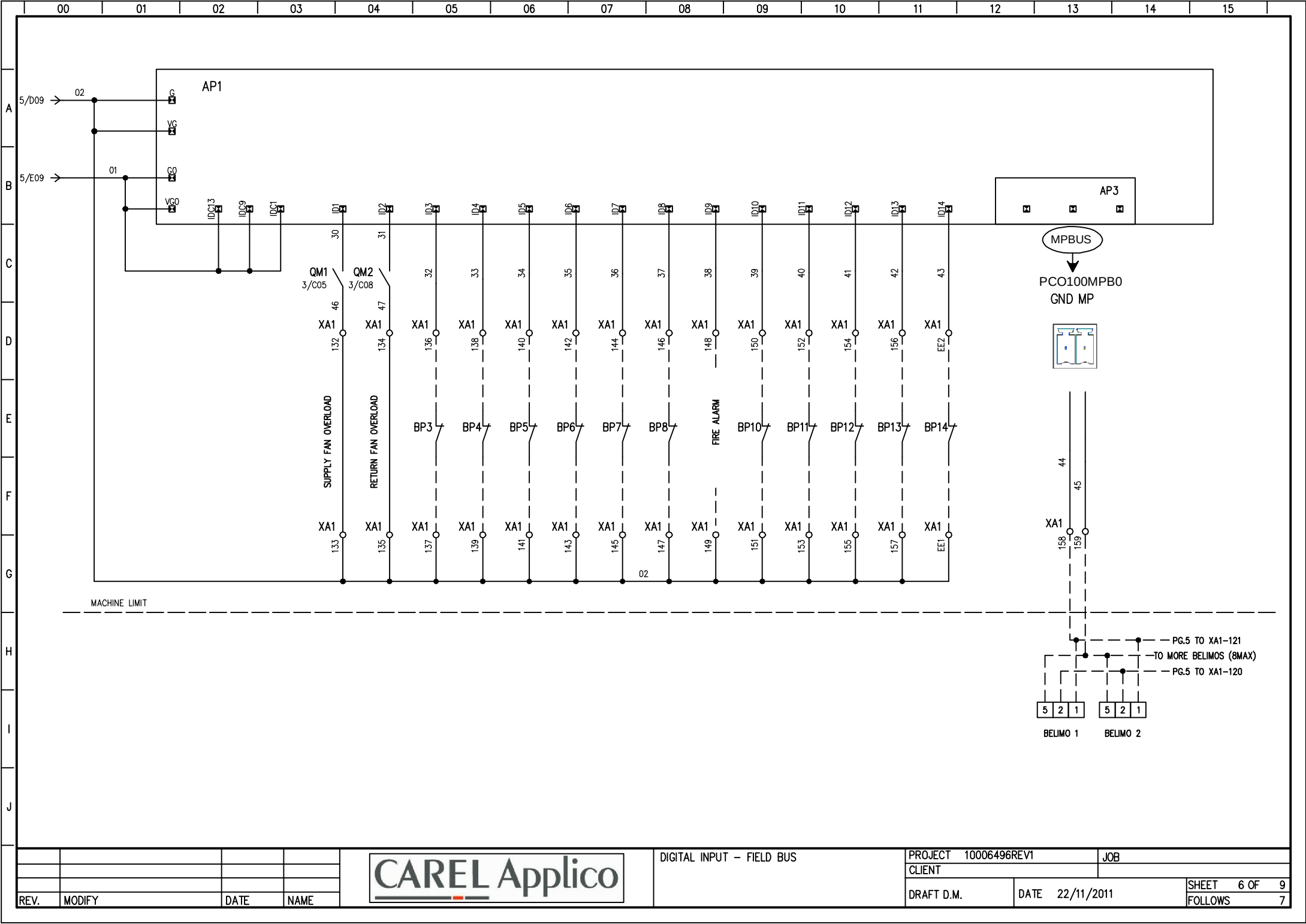


REV.	MODIFY	DATE	NAME



ANALOG OUTPUT

PROJECT	10006496REV1	JOB
CLIENT		
DRAFT D.M.	DATE 22/11/2011	SHEET 5 OF 9
		FOLLOWS 6

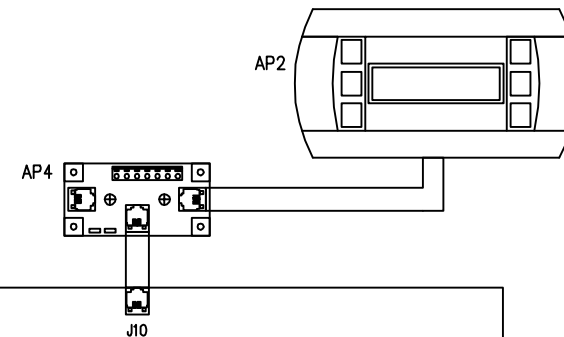


REV.	MODIFY	DATE	NAME



DIGITAL INPUT - FIELD BUS

PROJECT	10006496REV1	JOB
CLIENT		
DRAFT D.M.	DATE 22/11/2011	SHEET 6 OF 9
		FOLLOWS 7



B1,B2,B3, B6,B7,B8	
B4,B5	

A

B

C

D

E

F

G

H

I

J

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	89
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	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	58,1
0,75 Kw	0,75	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	55,7
1,1 Kw	1,1	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	55,4
1,5 Kw	1,5	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	54,8
2,2 Kw	2,2	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	54,2
3 Kw	3	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	58,2	53,2
4 Kw	4	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	57,0	52,0
5,5 Kw	5,5	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	55,4	54,2
7,5 Kw	7,5	80,0	80,0	80,0	80,0	80,0	80,0	80,0	80,0	58,7	52,9	48,0
11 Kw	11	80,0	80,0	80,0	80,0	80,0	58,2	57,0	55,4	52,9	49,2	44,2
15 Kw	15	58,1	55,7	55,4	54,8	54,2	53,2	52,0	50,4	48,0	44,2	39,2

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	
A	Sign	Description					Position	Constructor	Code								
	AP1	GENERAL CONTROL					4/A02	CAREL	PC050000U0CM0								
	AP2	DISPLAY					7/A13	CAREL	PGD1000FW0								
	AP3	SCHEDA FIELD BUS					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								
	FU1	PROTECTION FUSE SECONDARY 75VA					3/F13	WEBER	5X20 4A F								
	FU2	PROTECTION FUSE SECONDARY 75VA					3/F13	WEBER	5X20 4A F								
F	FU3	PROTECTION FUSE SECONDARY 100VA					3/F14	WEBER	5X20 4A F								
	FU4	PROTECTION FUSE SECONDARY 100VA					3/F14	WEBER	5X20 4A F								
	KM1	SUPPLY FAN CONTACTOR					4/D01	MOELLER	DILM32 24V								
	KM2	EXTRACT FAN CONTACTOR					4/D02	MOELLER	DILM32 24V								
G	KM3	CONTACTOR THERMAL WHEEL					4/D04	MOELLER	DILM9 24V								
	KR1	RELAY FOR ENABLE COMMANDS					4/D02	FINDER	40.52 24V								
	MV1	SUPPLY FAN					3/H05										
	MV2	RETURN FAN					3/H08										
H	QF4	AUTOMATIC SWITCH PRIMARY TRANSFORMER					3/C13	MOELLER	PLSM C2/2								
	QF5	AUTOMATIC SWITCH THERMAL WHEEL					3/C10	MOELLER	PLSM C4/2								
	QM1	MOTOR THERMAL PROTECTOR SUPPLY FAN					3/C05	MOELLER	PKE32+PKE-XTU-32								
	QM2	MOTOR THERMAL PROTECTOR RETURN FAN					3/C08	MOELLER	PKE32+PKE-XTU-32								
I	QS1	MAIN SWITCH					3/A01	ABB SACE	OT 125 F3								
	RR1	HEAT RECOVERY					3/H10										
	TC1	TRANSFORMER					3/E13	F.M.T.	230-400/24V 100VA+1F/24V 75VA+2F 175VA								
	XA1	TERMINAL BLOCK (1:4 - 101:193 - CC:EE2)					4/F03										
J																	
									PART LIST				PROJECT 10006496REV1		JOB		
													CLIENT				
	REV.	MODIFY		DATE	NAME						DRAFT D.M.		DATE 22/11/2011		SHEET 9 OF 9		
															FOLLOWS		