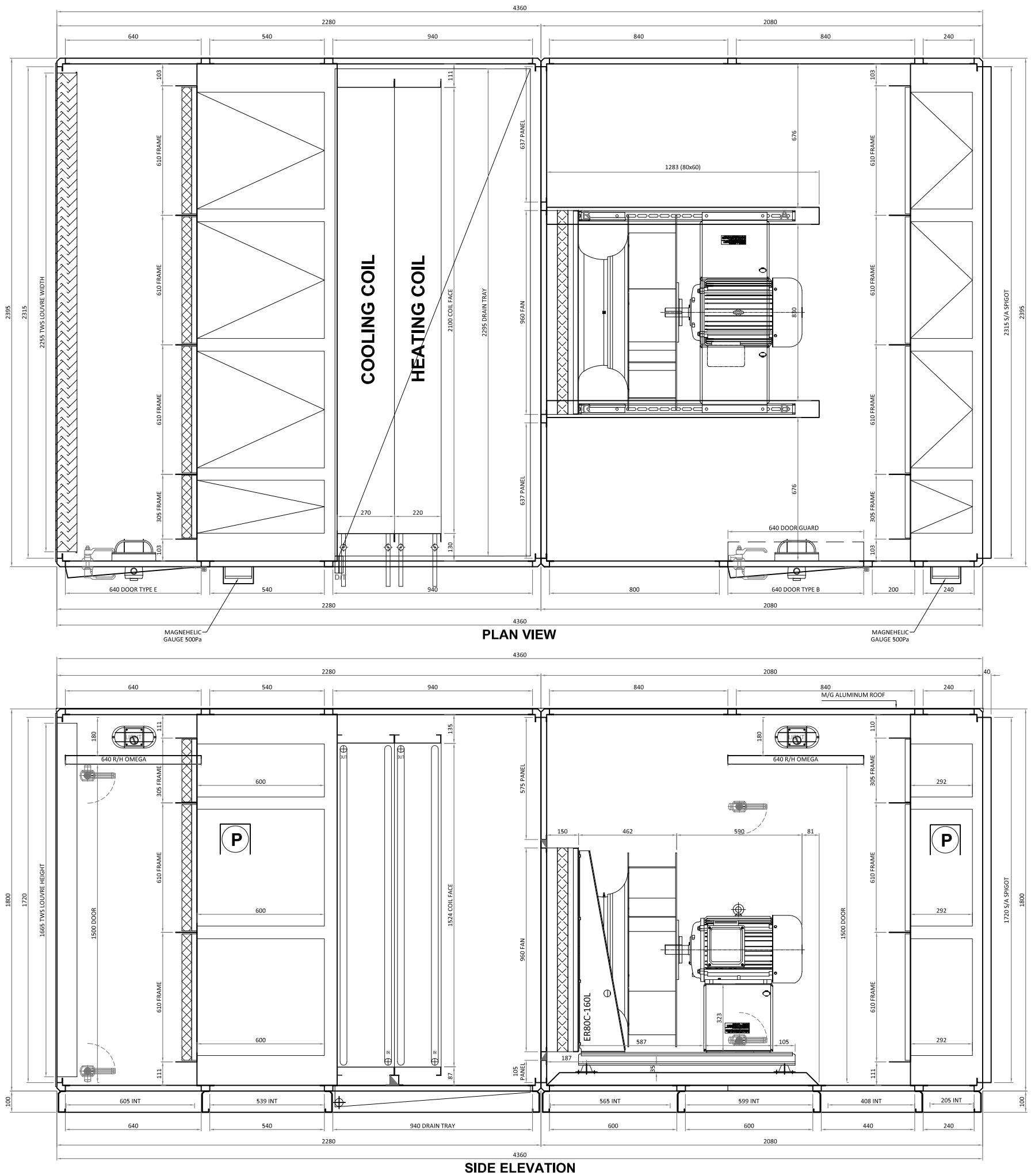
AHU-1



PLAN VIEW

SIDE ELEVATION

* TITANIA MARINE GRADE ALUMINIUM ROOF
* 500Pa MAGNEHELIC GAUGE (2 OFF) C/W COVER
* BULKHEAD LIGHTS & SWITCHES (2 OFF)
* DOOR GUARD FITTED (1 OFF)
* AROSIO DOOR HANDLES

S/O : 795570 | **W/O: EQ4936**

AQUATHERM / CLEVER AIR HANDLING UNITS

GENERAL INFORMATION

MODEL:	MC300	AIR FLOW:	6700 L/S
PROFILE:	40.23	WEIGHT:	1500 kg

BUILD INFORMATION

BASE	100mm AL CHANNEL
FIXED PANEL GASKET	SELF ADHESIVE TAPE
ACCESS GASKET	MEC. FIX RUBBER
PANEL FIXINGS	300mm CENTRES
COLOR	TITANIA

PANELS INFORMATION

PANEL THICKNESS	23 mm
MATERIAL THICKNESS	0.9 mm
PANEL TYPE	DOUBLE SKIN STD

FAN SECTION PANEL CONSTRUCTION

EXTERNAL PANEL	MARINE GRADE ALUMINIUM
INSULATION	22 mm POLYURETHANE
INTERNAL PANEL	MARINE GRADE ALUMINIUM

REST OF AHU PANEL CONSTRUCTION

EXTERNAL PANEL	MARINE GRADE ALUMINIUM
INSULATION	22 mm POLYURETHANE
INTERNAL PANEL	MARINE GRADE ALUMINIUM
BAFFLE MATERIAL	MARINE GRADE ALUMINIUM

FAN AND DRIVE DETAILS

FAN - SUPPLY AIR

ZIEHL	ER80C
FAN AIR FLOW	6700 L/S
EXTERNAL STATIC PRESSURE	280 PA
SHAFT DIAMETER	42 mm
FAN SPEED	1350 RPM

MOTOR

CMG	15 KW 3Ø
FRAME SIZE	160L FRAME
No. OF POLES	4 POLE
FULL LOAD CURRENT	28.6 A
SHAFT DIAMETER	42 mm
MOTOR SPEED	1470 RPM

SLIDING BASE

ADJUSTABLE BASE

DRIVE

MOTOR PULLEY	
FAN PULLEY	
BELT	x
BUSH	

ANTI - VIBRATION MOUNTS

POINT A	NRD2 - GREEN
POINT B	NRD2 - RED
POINT C	NRD2 - RED
POINT D	NRD2 - GREEN

FLEXIBLE CONNECTION

PVC

MOUNTING PROFILES

LOCATION	MATERIAL	LENGTH
BASE	80x60	1283mm mm
FAN	N/A	N/A
MOTOR	N/A	N/A

COOLING DETAILS

COIL

NO. OF ROWS	4
WIDTH	2100 mm
HEIGHT	1524 mm
DEPTH	270 mm
F.P.I.	10
EPOXY COAT	Y
SERIAL NUMBER	V10-440-2100Z

DRAIN TRAY

WIDTH	940 mm
LENGTH	2295 mm
MATERIAL	S/S
INSULATION	THERMABREAK
THICKNESS	10 mm

HEATING DETAILS

COIL

NO. OF ROWS	2
WIDTH	2100 mm
HEIGHT	1524 mm
DEPTH	220 mm
F.P.I.	7
EPOXY COAT	Y
SERIAL NUMBER	V7-240-2100Z

FILTER DETAILS

MEDIA QUANTITY

	FULL	HALF
PANEL	6	5
BAG/CARTRA	6	5

FRAME / CHANNEL

TYPE	W97
CLIPS	44
NO. FRAMES	6 FULL 5 HALF

FILTER MEDIA

PRE-FILTER		SPECIAL FILTER MEDIA	
COMPANY	CAMFIL FARR	TYPE	OPAKFIL-G
GRADE	G4 46mm	COMPANY	CAMFIL FARR
CODE	ADP/4	GRADE	H13
		CODE	HEPA 292mm
BAG FILTER / CARTRAGE		**FRAME TYPE**	
COMPANY	CAMFIL FARR	TYPE	HEPA FRAME
GRADE	F7 600mm	COMPANY	CAMFIL FARR
CODE	SFLO	GRADE	M8

QUOTE:	52645	BY	DATE
DESIGN		D.J.S	13/01/17
DRAWN		T.CUI	13/01/17

Aquatherm clever
ENERGY PRODUCTS INTERNATIONAL
P.O. BOX 15058, DINSDALE
30 GALLAGHER DRIVE, HAMILTON, NZ

UNIT No.	AHU-1
SCALE	NTS
CAD FILE	52645 01
SHEET	1/1
DATE PRINTED	24/01/17
DATA REV	REV - 0
DWG REV	R0

DAIRY POWDER PLANT AHU

MC300 PLAN AND ELEVATION

ORIGINAL SIZE A3