



CHILLWATER FAN COIL AQOCW

FEATURES

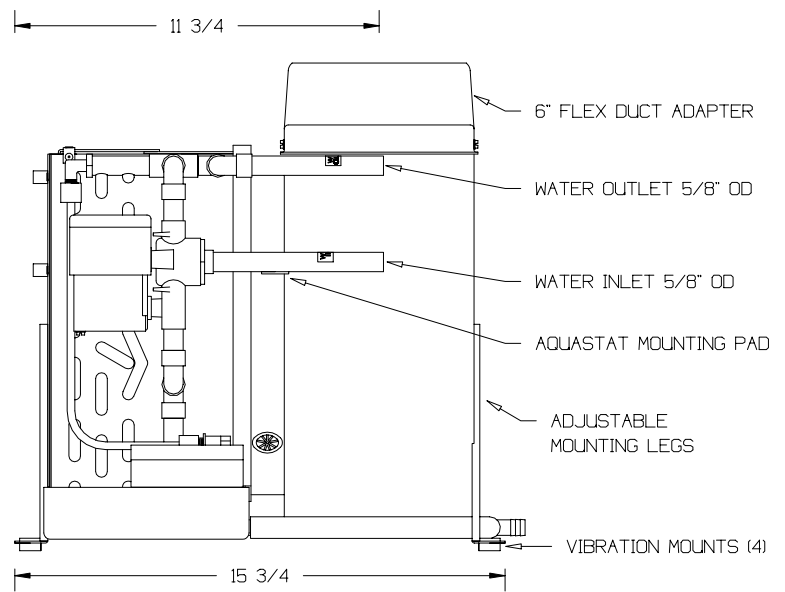
- ' High capacity squirrel cage blower is designed for quiet operation with flexible duct systems.
- ' Standard 6" flexible duct connector installed on the unit. This connector also adapts to Aqua-Air AT series adapter duct tees.
- ' Three way motorized water valve is pre-installed on the unit. A separate valve assembly is not necessary.
- ' Dual condensate outlets on the drain pan are factory connected into a common 1/2" hose barb tee for ease of installation.
- ' Vertically adjustable mounting legs with rubber vibration pads and mounting screws.
- ' The air bleeder is mounted on the end of a 12" plastic tube for easy access during commissioning of the system.
- ' All surfaces that might have condensate form on them are covered in 1/8" thick foam insulation.
- ' Units available for 115/1/60, 100/1/50, 208-230/1/60 and 200-220/1/50 power inputs.
- ' Aqua-Air BH series blower heaters bolt directly to the discharge of the blower.

SPECIFICATIONS	AQOCW-12	AQOCW-16
COOLING CAPACITY	12,000 BTU/HR 3,024 KCAL/HR	16,000 BTU/HR 4,032 KCAL/HR
AIR FLOW CAPACITY	400 CFM 680 M ³ H	530 CFM 900 M ³ H
WEIGHT	32 LBS 14.5 KGS	32 LBS 14.5 KGS
AMPERAGE DRAW	2.7 @ 115-1-60 1.4 @ 230-1-60	4.0 @ 115-1-60 2.0 @ 230-1-60
POWER CONSUMPTION	311 W	460 W
MINIMUM RETURN AIR GRILLE SIZE	120 in ² 774 cm ²	144 in ² 929 cm ²
MINIMUM SUPPLY AIR GRILLE SIZE	60 in ² 387 cm ²	72 in ² 465 cm ²
CHILLWATER INLET / OUTLET SIZE	5/8" OD 16 mm OD	5/8" OD 16 mm OD
MAXIMUM DUCT HEATER	2 Kw	3Kw

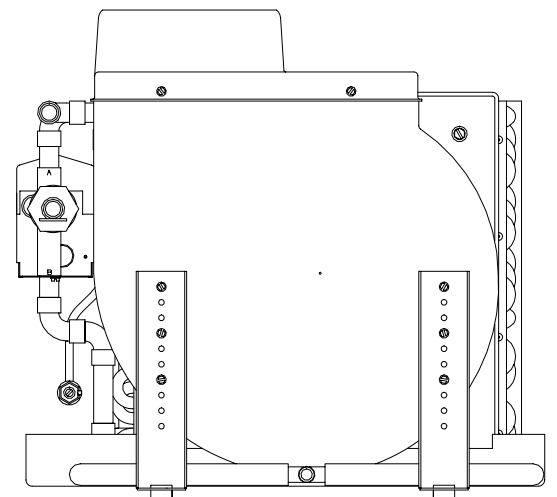
ADD "C" TO THE END OF THE MODEL NUMBER FOR A 208-230/1/60 UNIT, "CK" FOR A 200-220/1/50 UNIT 80940.WPD

AQUA-AIR MANUFACTURING, division of the James D. Nall Co., Inc.
1050 East 9th Street, Hialeah, Florida 33010 U.S.A.
Ph. 305-884-8363 Fax 305-883-8549 Email sales@aquair.com

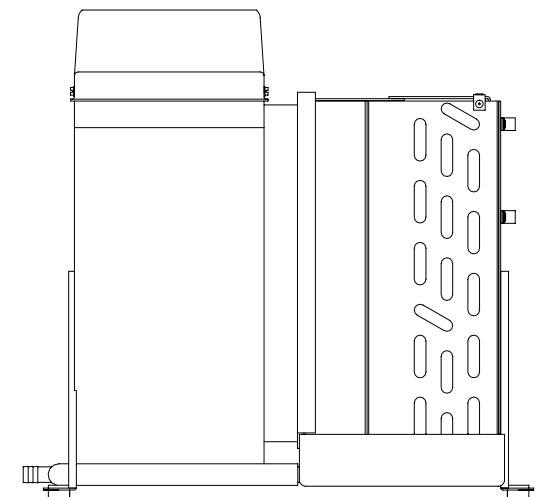
REVISION BLOCK			
REV.	DESCRIPTION	REV. BY	DATE
B	MODIFIED DRAIN PAN	LES	09-19-96



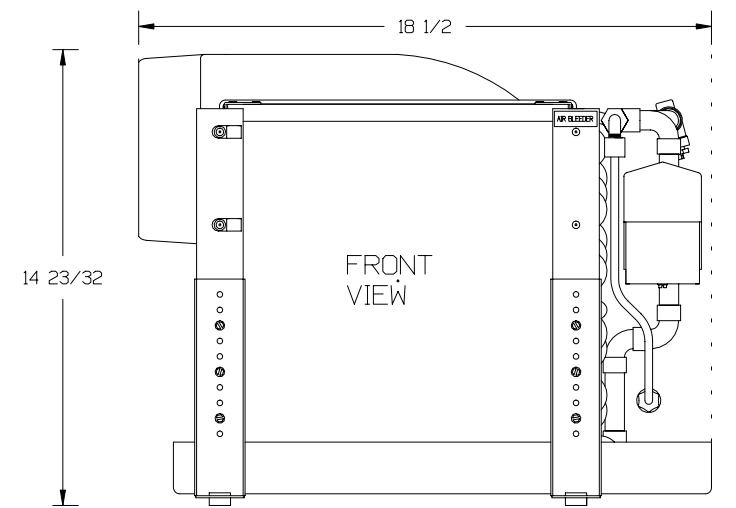
LEFT VIEW



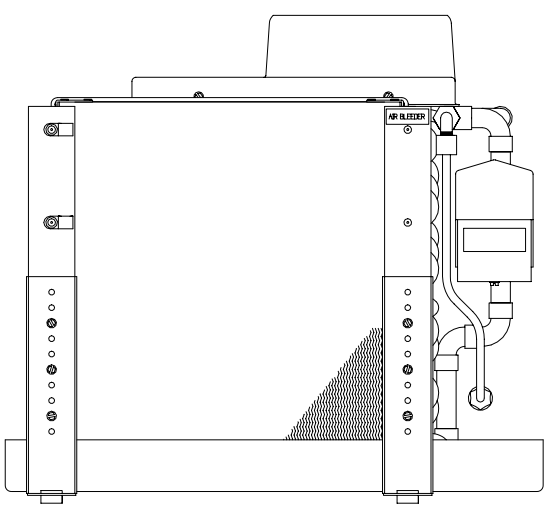
REAR VIEW



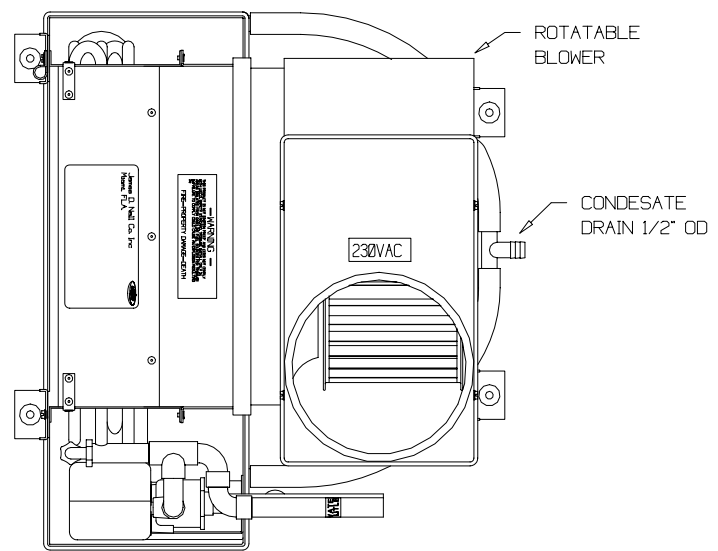
RIGHT VIEW



AQOCW-12.16 HORIZONTAL DISCHARGE BLOWER ROTATED 90°

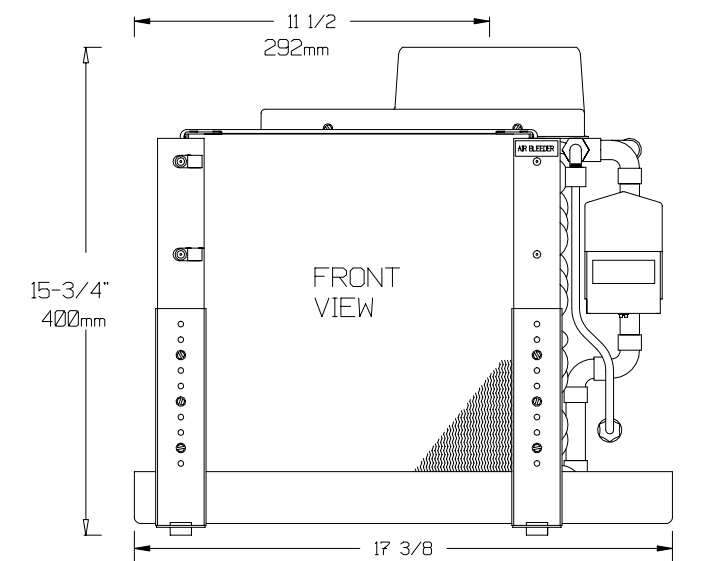


FRONT VIEW



TOP VIEW

SPECIFICATION		AQOCW-12	AQOCW-16
CAPACITY	BTU/HR KCAL/HR	12,000 3,024	16,000 4,032
AIR CAPACITY	CFM CMH	400 680	533 906
WEIGHT	LBS KGS	32 14.5	32 14.5
AMPERAGE DRAW	115V 230V	2.7 1.4	4.0 2.0
POWER CONSUMPTION		311	311
MIN. RETURN AIR SIZE	SQ.IN. SQ.MM.	120 774	144 929
MIN. SUPPLY AIR SIZE	SQ.IN. SQ.MM.	60 387	72 465



AQOCW-12.16 VERTICAL DISCHARGE

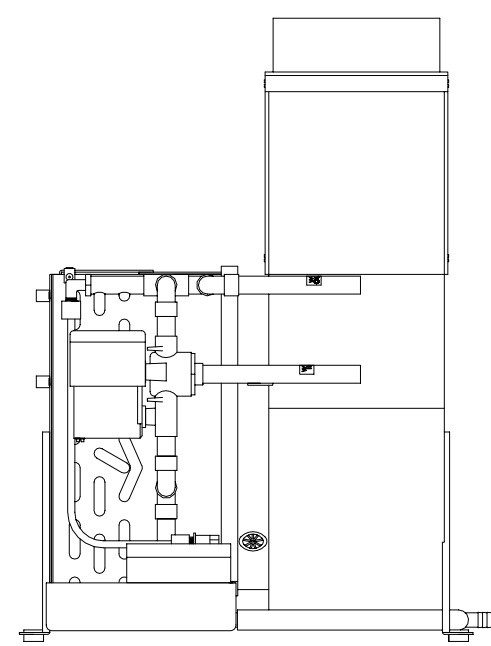


AQUA-AIR MARINE AIR CONDITIONING SYSTEM

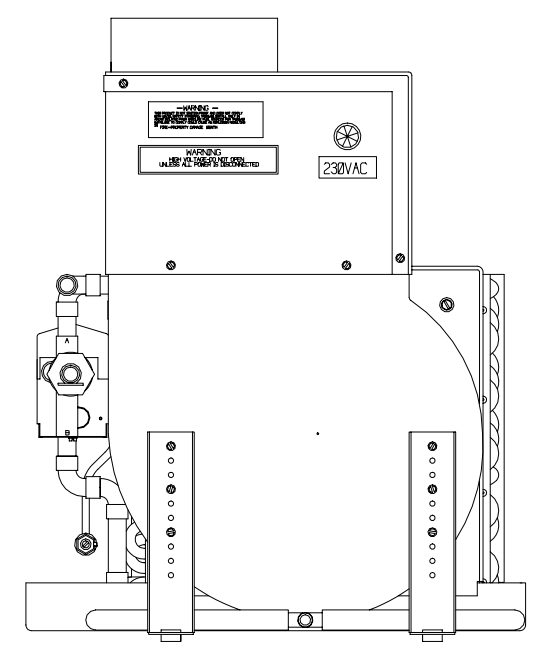
AQOCW - 12 & 16
FAN COIL UNITS WITHOUT B. HEATER

DRAWING NUMBER	AQOCW	DRAWN BY	LES	DATE	10-04-95
SCALE	NONE	APPROVED BY		REVISION DATE	
					REV B

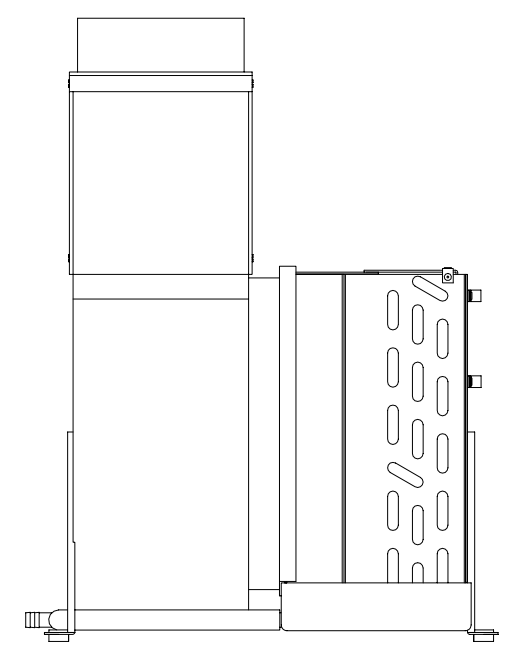
REVISION BLOCK			
REV.	DESCRIPTION	REV. BY	DATE
B	MODIFIED DRAIN PAN	LES	09-19-96



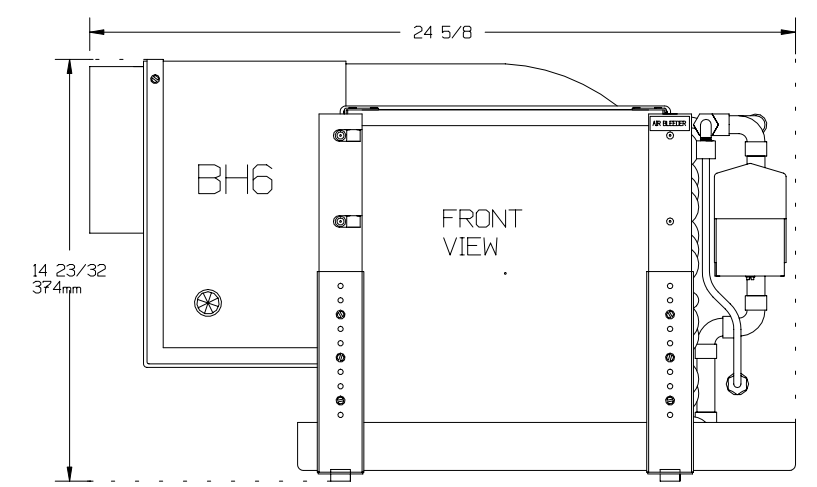
LEFT VIEW



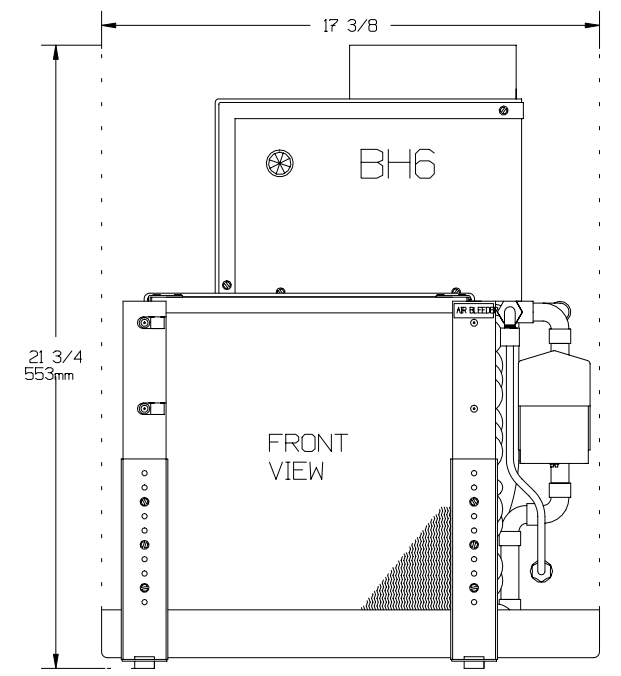
REAR VIEW



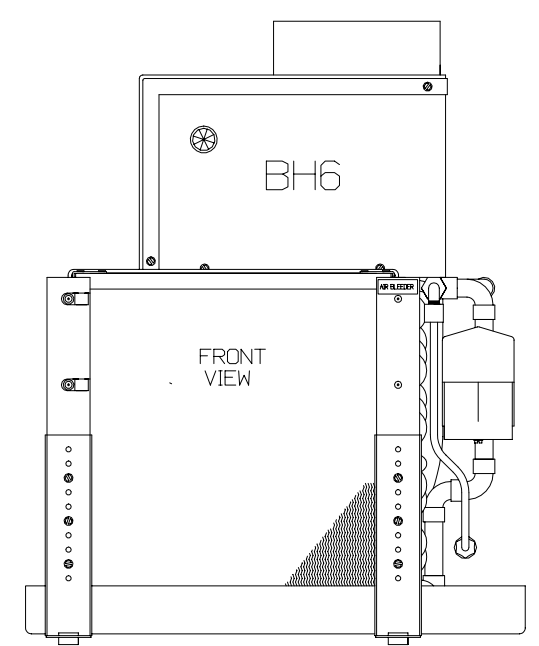
RIGHT VIEW



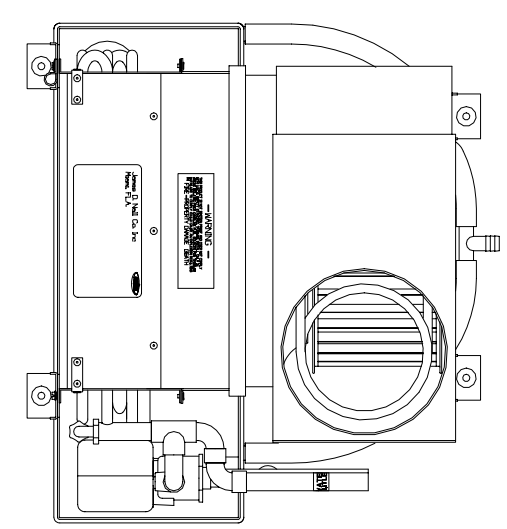
AQOCW-12.16 WITH BH6 BLOWER HEATER BLOWER ROTATED 90 HORIZONTAL DISCHARGE



AQOCW-12.16 WITH BH6 SERIES BLOWER HEATER VERTICAL DISCHARGE



FRONT VIEW



TOP VIEW

SPECIFICATION		AQOCW-12	AQOCW-16
CAPACITY	BTU/HR KCAL/HR	12,000 3,024	16,000 4,032
AIR CAPACITY	CFM CMH	400 680	533 906
WEIGHT	LBS KGS	32 14.5	32 14.5
AMPERAGE DRAW	115V 230V	2.7 1.4	4.0 2.0
POWER CONSUMPTION		311	311
MIN. RETURN AIR SIZE	SQ.IN. SQ.MM.	120 774	144 929
MIN. SUPPLY AIR SIZE	SQ.IN. SQ.MM.	60 387	72 465



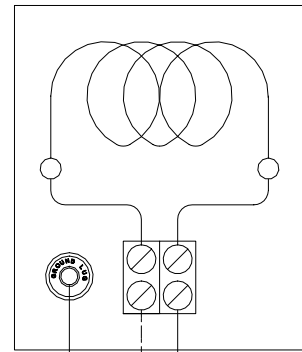
AQUA-AIR MARINE AIR CONDITIONING SYSTEM

AQOCW - 12 & 16
FAN COIL UNITS WITH BLOWER HEATER

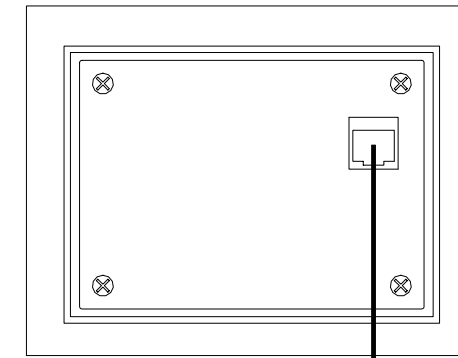
DRAWING NUMBER	AQOCW-BH	DRAWN BY	LES	DATE	10-03-96
SCALE	NONE	APPROVED BY		REVISION DATE	

REV B

DUCT HEATER (DH SERIES) or
FAN COIL HEATER (BH SERIES)



MULTIPLE FAN COILS
CAN BE
CONNECTED IN PARALLEL
TO THE THERMOSTAT
PROVIDED THEY DO NOT
EXCEED THE MAXIMUM
AMPERAGE RATINGS OF
THE CONTROL MODULE



DISPLAY
HEAD

INLET WATER SENSOR NOTE
ATTACH SENSOR TO THE
WATER INLET LINE AT
FAN COIL WATER VALVE

DISPLAY
CABLE 15'

SENSORS

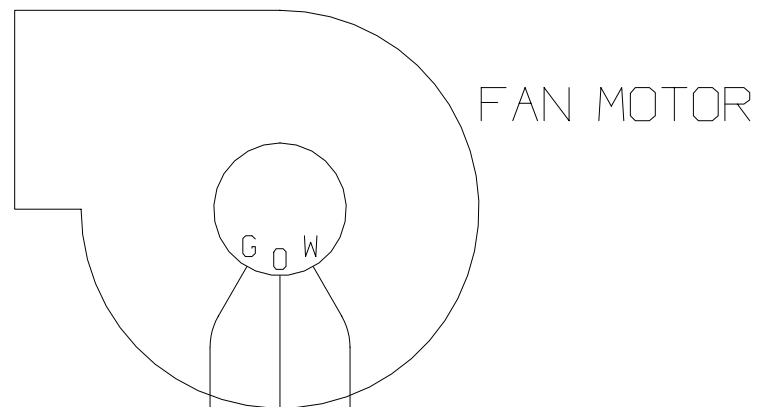
- INLET WATER SENSOR
- ROOM AIR SENSOR

MAXIMUM CIRCUIT RATINGS
WATER VALVE 1/4A
FAN MOTOR 6A
HEATER 20A

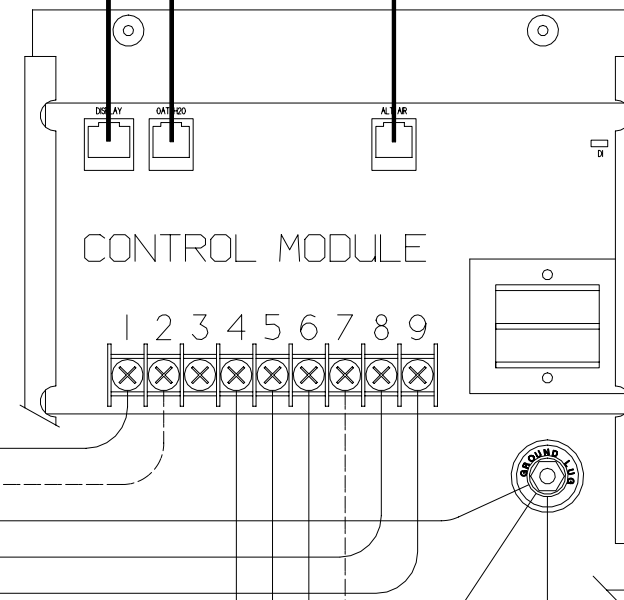
TERMINAL BLOCK CONNECTIONS

1. HEATER ELEMENT L1
2. HEATER ELEMENT L2
3. N/A
4. WATER VALVE L2
5. WATER VALVE L1
6. POWER INPUT L1
7. POWER INPUT L2 or N
8. FAN L2
9. FAN L1

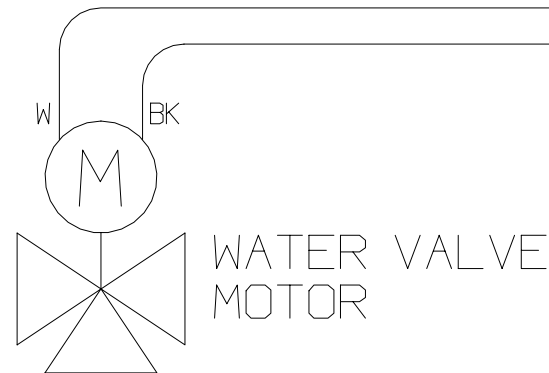
NOTE: ALL L2's ARE COMMON
TO EACH OTHER



FAN MOTOR



CONTROL MODULE



WATER VALVE
MOTOR

POWER INPUT
115/1/60
200-230/1/50-60

L2 or L1
N
G

NOTE: FAN COIL MOTOR, WATER VALVE & HEATER MUST BE
RATED FOR THE SAME VOLTAGE AS THE POWER INPUT.

FAN COIL

AQUA-AIR MARINE AIR CONDITIONING
SYSTEMS

TW2W DIGITAL THERMOSTAT w/ SINGLE
AQOW/AQOCW STYLE FAN COIL UNIT AND
ELECTRIC HEAT - 115/230V 50/60 Hz

DRAWING NUMBER	4008-42	DRAWN BY	DN	DATE	02-26-00
SCALE	NONE	APPROVED BY		REVISION DATE	
					REV A