

Hoses may need to be insulated to meet local building regulations.

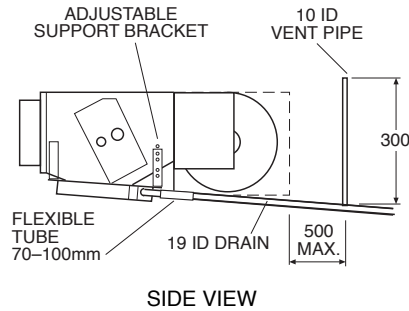
Poor quality water supply must be pre-filtered and it is essential that adequate water treatment is maintained, particularly where open cooling towers are used.

Condensate Drain

The drain should have a slope of at least 1 in 50 and must not be piped to a level above the unit drain tray. Fit a vent pipe within 500 mm of the unit (see Fig.3). Use flexible tube to connect the unit's drain stub to the external drain pipe.

Check the drain by pouring water into the drain tray and ensuring that it clears.

Fig. 3 Condensate Drain



ELECTRICAL WIRING

The electrical supply required is:

1 phase 220-240 V a.c. 50 Hz with neutral and earth. The supply to have an isolation switch adjacent to the unit but not attached to the unit. Recommended external circuit breaker size is 5 amp.

Electrical work must be carried out by a qualified electrician in accordance with local supply authority regulations and the wiring diagram.

INDOOR FAN SPEED

The fan speed can be set to LOW, MED, or HIGH - whichever best suits the application.

ELECTRIC HEAT (Option)

Units installed with electric heat elements include both auto (90°C) and manual (120°C) high temp. safety thermostats. If the manual high temp. safety t/stat requires resetting and the auto high temp. safety t/stat does not reset, then the latter needs to be replaced.

COMMISSIONING

1. Check that the thermostat is correctly wired and set at the desired temperature.
2. Check that the air filter is clean.
3. Check that the fan runs freely without vibration.
4. Check condensate drain for free drainage.

MAINTENANCE

Weekly For First Four Weeks

1. Check air filter; vacuum clean as necessary.
2. Check condensate drain for free drainage.

Monthly

Check air filter; vacuum clean as necessary.

Six Monthly

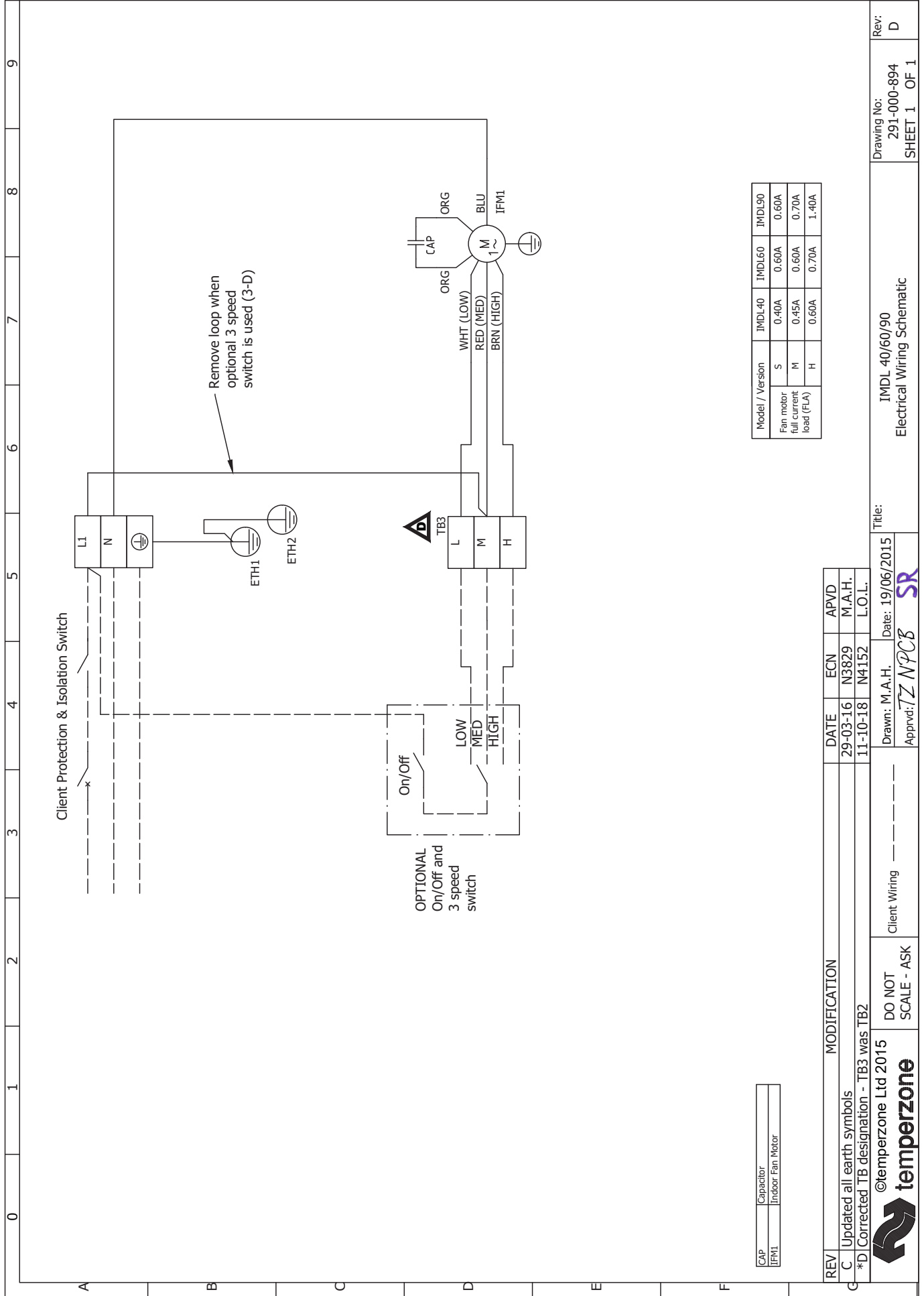
1. Check condensate drain for free drainage.
2. Check heat exchanger coil; vacuum or brush clean as necessary.
3. Check the tightness of the fan.
4. Check that fan motor is free running.
5. Check tightness of electrical connections.
6. Check air supply at diffuser outlets.

NOTE

The manufacturer reserves the right to change specifications at any time without notice or obligation. Certified dimensions available on request.

This pamphlet replaces the previous issue no. 3180 dated 08/22.
Fig.3 Flexible drain connector.

Standard Unit



CAP	Capacitor
IFM1	Indoor Fan Motor

Model / Version	IMDL40	IMDL60	IMDL90
Fan motor	0.40A	0.60A	0.60A
full current	0.45A	0.60A	0.70A
load (FLA)	0.60A	0.70A	1.40A

REV	MODIFICATION	DATE	ECN	APVD
C	Updated all earth symbols	29-03-16	N3829	M.A.H.
*D	Corrected TB designation - TB3 was TB2	11-10-18	N4152	L.O.L.

DO NOT SCALE - ASK

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Client Wiring

Drawn: M.A.H. Date: 19/06/2015

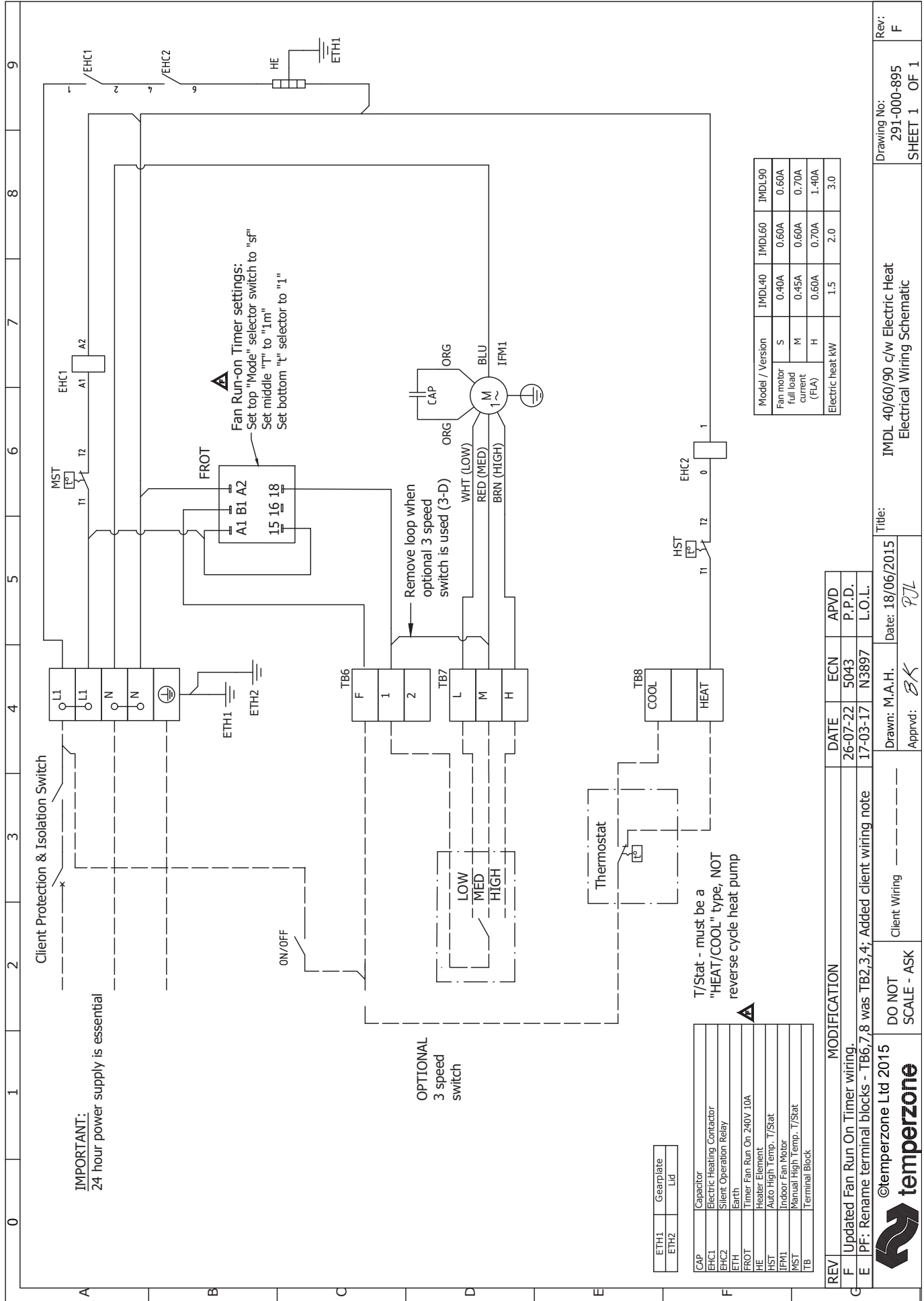
Apprvd: *TZ NPCB* **SR**

Title: **IMDL 40/60/90**
Electrical Wiring Schematic

Drawing No: 291-000-894
SHEET 1 OF 1

Rev: D

Standard Unit c/w Electric Heat



Rev: F

Drawing No: 291-000-895
SHEET 1 OF 1

Title: IMDL 40/60/90 c/w Electric Heat
Electrical Wiring Schematic

Drawn: M.A.H. Date: 18/06/2015
Approved: *BK* *PJL*

DATE	ECN	APVD
26-07-22	5043	P.P.D.
17-03-17	N3897	L.O.L.

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REV	MODIFICATION
F	Updated Fan Run On Timer wiring.
E	PF: Rename terminal blocks - TB6,7,8 was TB2,3,4; Added client wiring note