

Heating Applications

Any Town USA
USA

Your Submittal

1	Title Page
2	Network
3	Radiant Heat 2 Stage

DRAWING ISSUED LOG			
DateDescription		DateDescription	
1:		4:	
2:	-	5:	
3:		6:	



HUMERATECH[®]
Integrated Building Solutions

Title Page

By: MJD

8/27/2025

Heating Applications

Job #: 250617

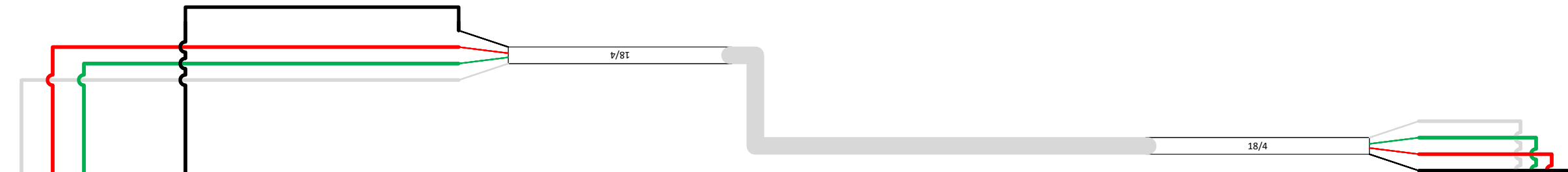
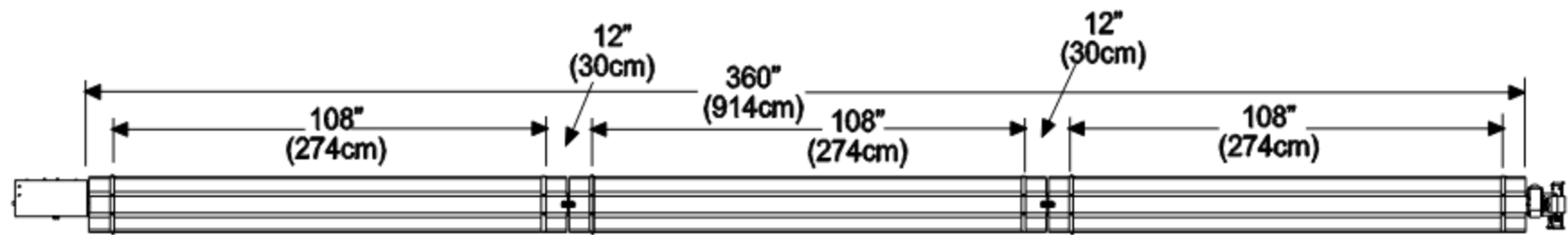
1 of 3



Heating Equipment

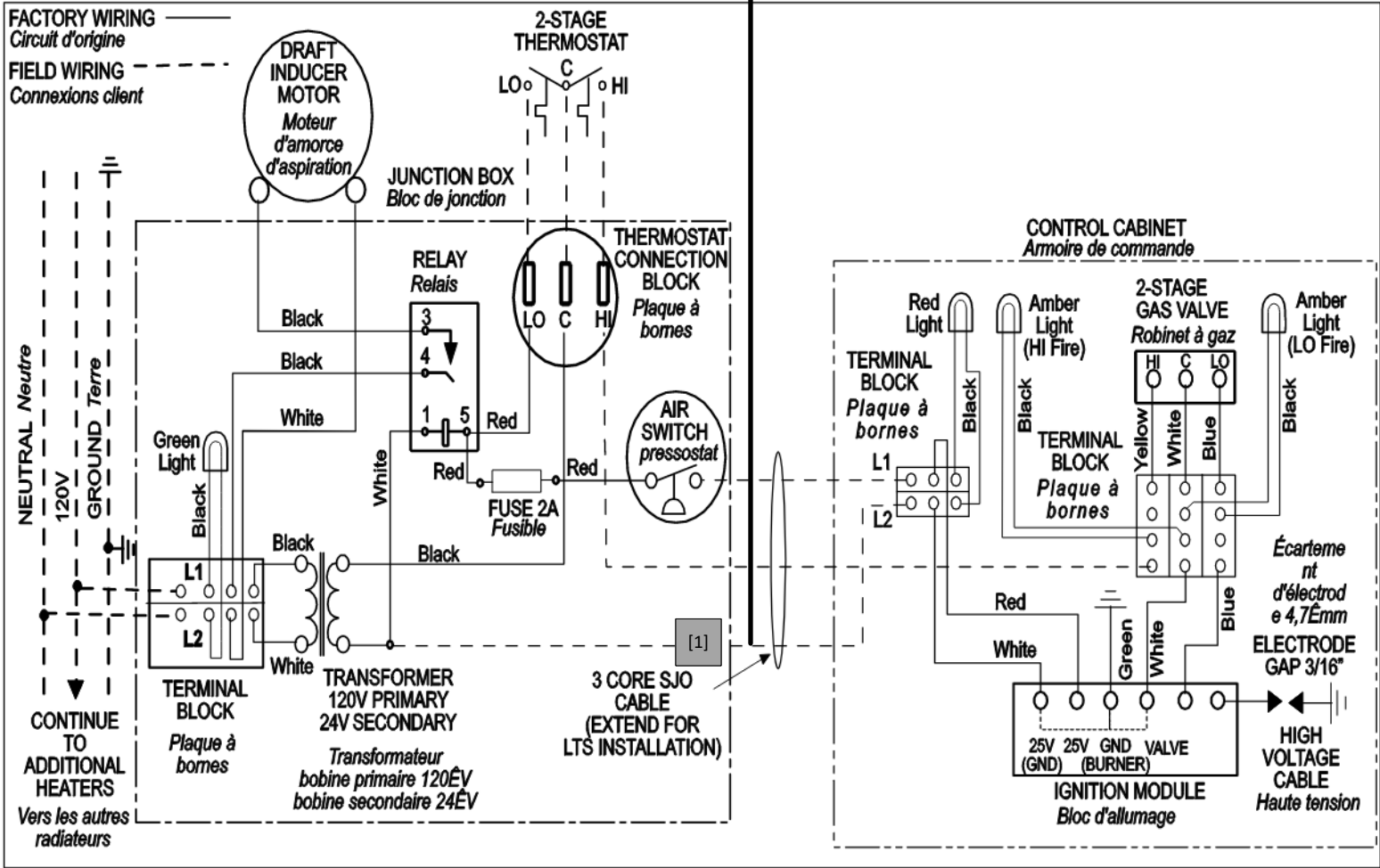
Bill of Materials					
Tag	Stock #	Part #	Manufacturer	Description	Quantity
WEBHosted		EXL00614	ExactLogic	BACnet Wireless WEBHosted Router	1

Models:
LTS 80, 90,
100, 110, 120,
125, 130



EXL01610 Heat Pump/2-Stage Heat / Cool

TWO STAGE - INTERNAL CONNECTION WIRING DIAGRAM — Direct Spark Ignition



	GND	BOHot	24 VAC Power Source BO-0-4
External Room Temp (Optional)	UI-02	BO-0	Fan (Not Used)
	UI-03	BO-1	Cooling Stage 1 (Not Used)
	UI-04	BO-2	Heating Stage 1 [3]
	UI-05	BO-3	Cooling Stage 2 (Not Used)
	UI-06	BO-4	Heating Stage 2 [4]
	UI-07	BOHot2	
	UI-08	BO-6	
	UI-09	BO-7	
	UI-10	BO-8	
	UI-11	GND	
	UI-12	AO-0	Heating 0-10Vdc (Not Used)
	GND	AO-1	Cooling 0-10Vdc (Not Used)
MSTP+	MSTP+	AO-2	
MSTP-	MSTP-	AO-3	
	GND		
	AO-4	GND	
	AO-5	GND	
	AO-6	GND	
	AO-7	V OUT+	Connect to BOHot
	+19Vdc	V OUT+	
	GND	V OUT+	
		GND	Transformer 24 White [1]
		V IN+	Tstat Conn Block C [2]

ExactLogic Controller

