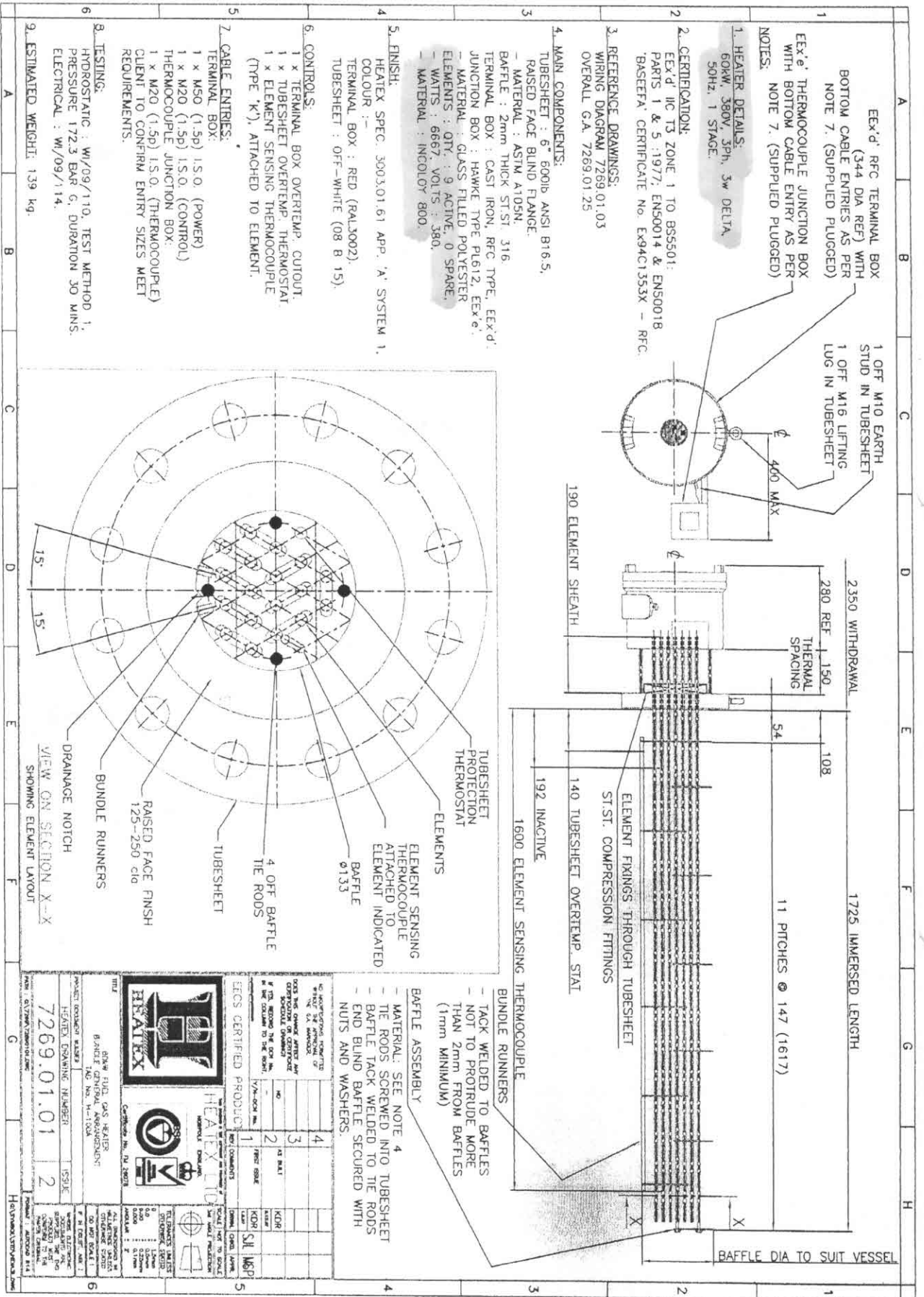
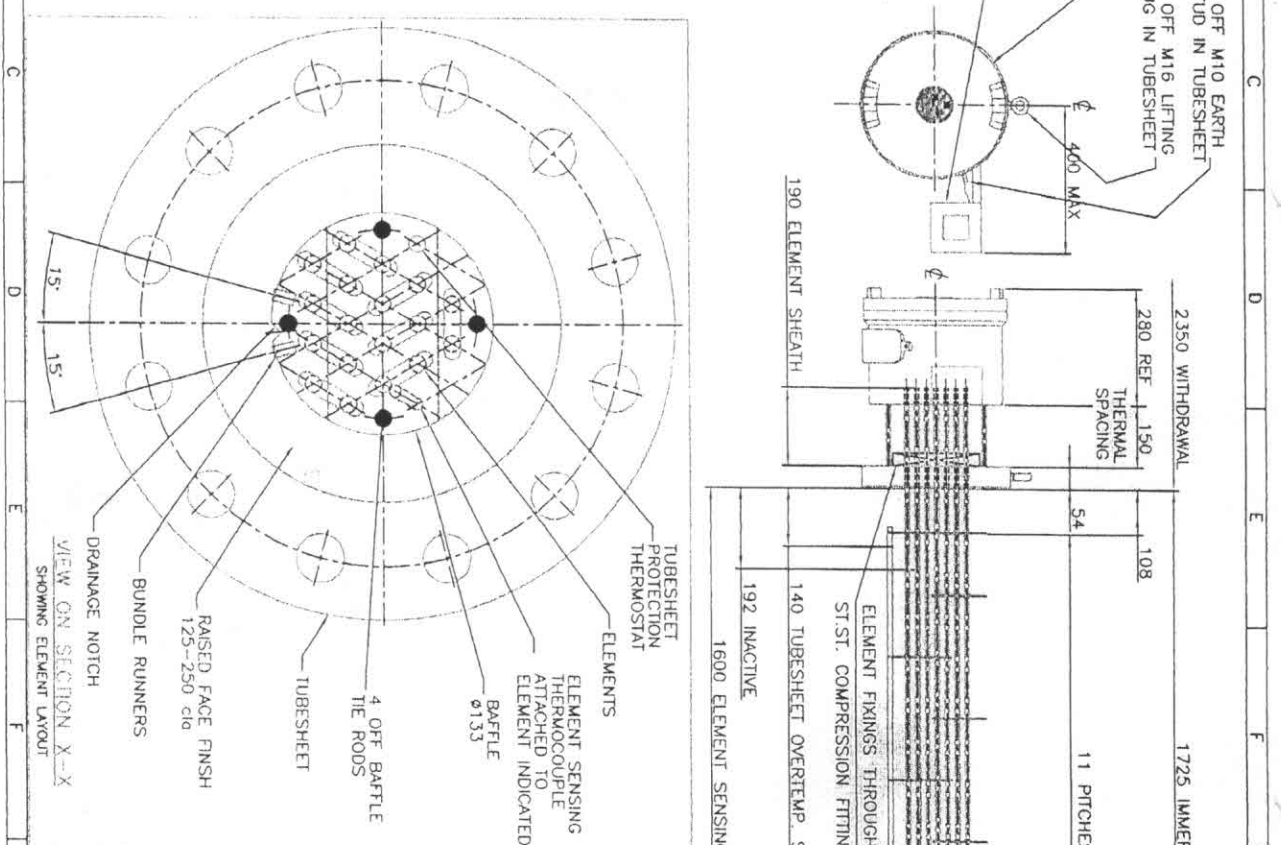


S.No	Clarification	OGDCL Reply
01	<ol style="list-style-type: none">1. Can you get us a copy of the wiring diagram (Drawing # 7269.01.03)? This is not crucial at this time but we will need it if we get an order.2. Can we weld the heating elements to the flange as opposed to using compression fittings?3. Can we eliminate the segmented baffles?4. Can we change the design code from BS5500 Cat 1 to ASME VIII Div 1, U2? (The original design is already using a ASME flange so there wouldn't be any mechanical differences.)5. Can we change the certification from "EEx d IIC T3 Zone 1 to BS5501; Parts 1 & 5 1977; EN50014 & EN50018" to " EEx d IIC T3 Zone 1 IEC60079-0, IEC 60079-1"?"	<p><u>For point No 1.</u> Electrical wiring diagram has been attached.</p> <p><u>For point 2 to 5:</u> Mechanical wiring diagram of required heater bundle has been attached herewith. The quoted heater bundle should comply with attached mechanical drawing and all details, specifications, certifications and make mentioned in the tender document.</p>



1. HEATER DETAILS:
60KW, 380V, 3Ph, 5W DELTA, 50Hz, 1 STAGE.
2. CERTIFICATION:
EEX'D: IIC T3 ZONE 1 TO BSS5501;
PARTS 1 & 5: 1977; ENS0014 & ENS0018
BASEFLA CERTIFICATE No. EX94C1353X - RFC.
3. REFERENCE DRAWINGS:
WIRING DIAGRAM 7269.01.03
OVERALL G.A. 7269.01.25
4. MAIN COMPONENTS:
TUBESHEET : 6" 600lb ANSI B16.5,
RAISED FACE BLIND FLANGE.
- MATERIAL : ASTM A105N.
BAFFLE : 2mm THICK ST:ST. 316
TERMINAL BOX : CAST IRON, RFC TYPE, EEX'D.
JUNCTION BOX : HAWKE TYPE PL612, EEX'e.
- MATERIAL : GLASS FILLED POLYESTER
ELEMENTS : QTY : 9 ACTIVE, 0 SPARE.
- WATTS : 6667, VOLTS : 380.
- MATERIAL : INCOLOY 800.
5. FINISH:
HEATER SPEC. 3003.01.61 APP. 'A' SYSTEM 1,
COLOUR : -
TERMINAL BOX : RED (RAL3002).
TUBESHEET : OFF-WHITE (08 B 15).
6. CONTROLS:
1 x TERMINAL BOX OVERTEMP. CUTOFF.
1 x TUBESHEET OVERTEMP. THERMOSTAT
1 x ELEMENT SENSING THERMOCOUPLE
(TYPE 'K'), ATTACHED TO ELEMENT.
7. CABLE ENTRIES:
TERMINAL BOX:
1 x M50 (1.5p) I.S.O. (POWER)
1 x M20 (1.5p) I.S.O. (CONTROL)
THERMOCOUPLE JUNCTION BOX:
1 x M20 (1.5p) I.S.O. (THERMOCOUPLE)
CLIENT TO CONFIRM ENTRY SIZES MEET
REQUIREMENTS.
8. TESTS:
HYDROSTATIC : W/09/110, TEST METHOD 1,
PRESSURE 172.3 BAR G, DURATION 30 MINS.
ELECTRICAL : W/09/114.
9. ESTIMATED WEIGHT: 139 kg.



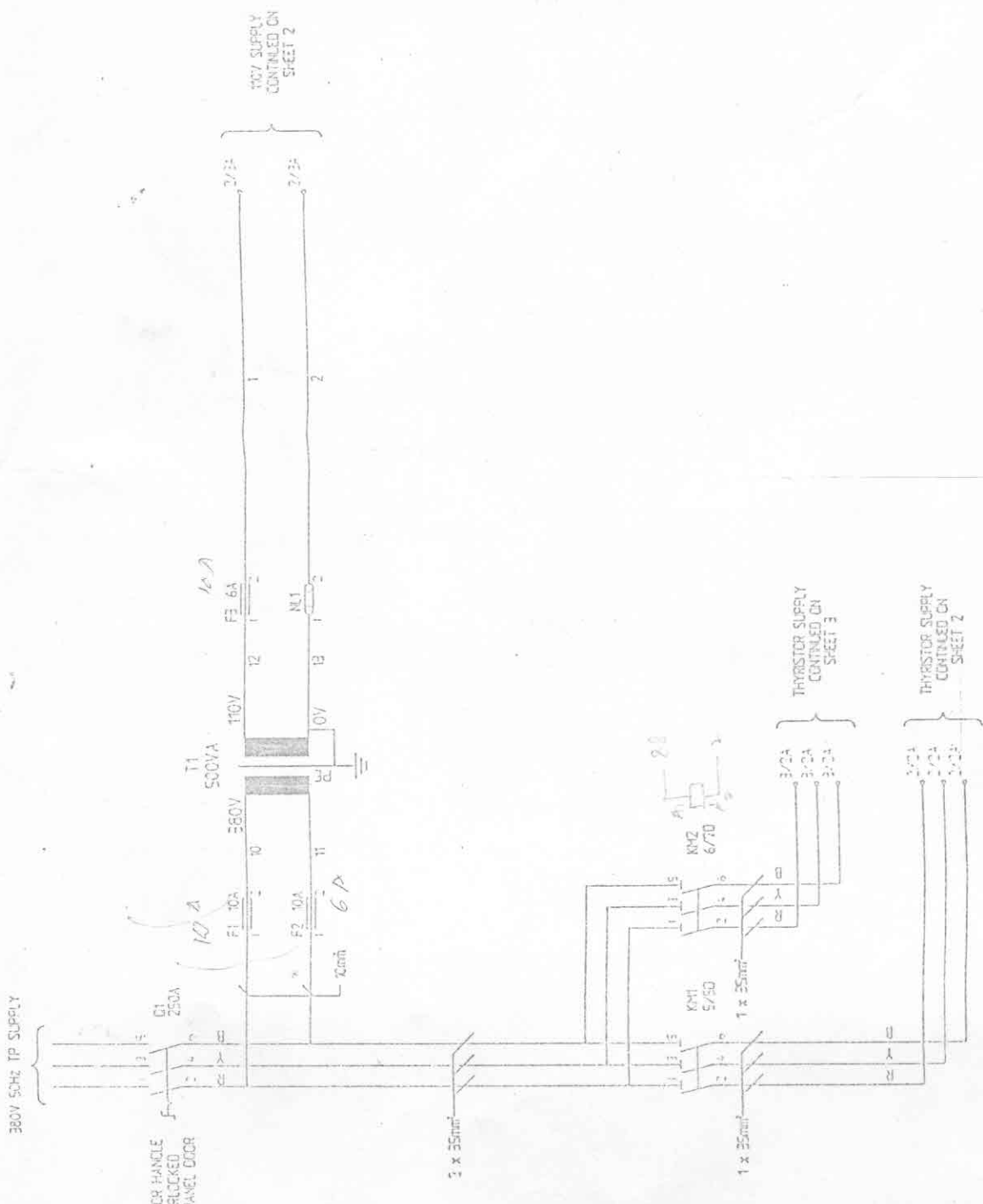
ITEM NO.	DESCRIPTION	QTY	UNIT	REMARKS
1	HEATER ASSEMBLY	1	UNIT	
2	BAFFLE ASSEMBLY	1	UNIT	
3	BUNDLE RUNNERS	1	UNIT	
4	TERMINAL BOX	1	UNIT	
5	TUBESHEET	1	UNIT	
6	BAFFLE	1	UNIT	

HEATER SPEC. 3003.01.61 APP. 'A' SYSTEM 1, COLOUR : - TERMINAL BOX : RED (RAL3002). TUBESHEET : OFF-WHITE (08 B 15).	HEATER SPEC. 3003.01.61 APP. 'A' SYSTEM 1, COLOUR : - TERMINAL BOX : RED (RAL3002). TUBESHEET : OFF-WHITE (08 B 15).
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HEATER COMPANY

P/8

ALL DIMENSIONS IN MILLIMETRES (UNLESS OTHERWISE STATED)
DO NOT SCALE - IF IN DOUBT ASK



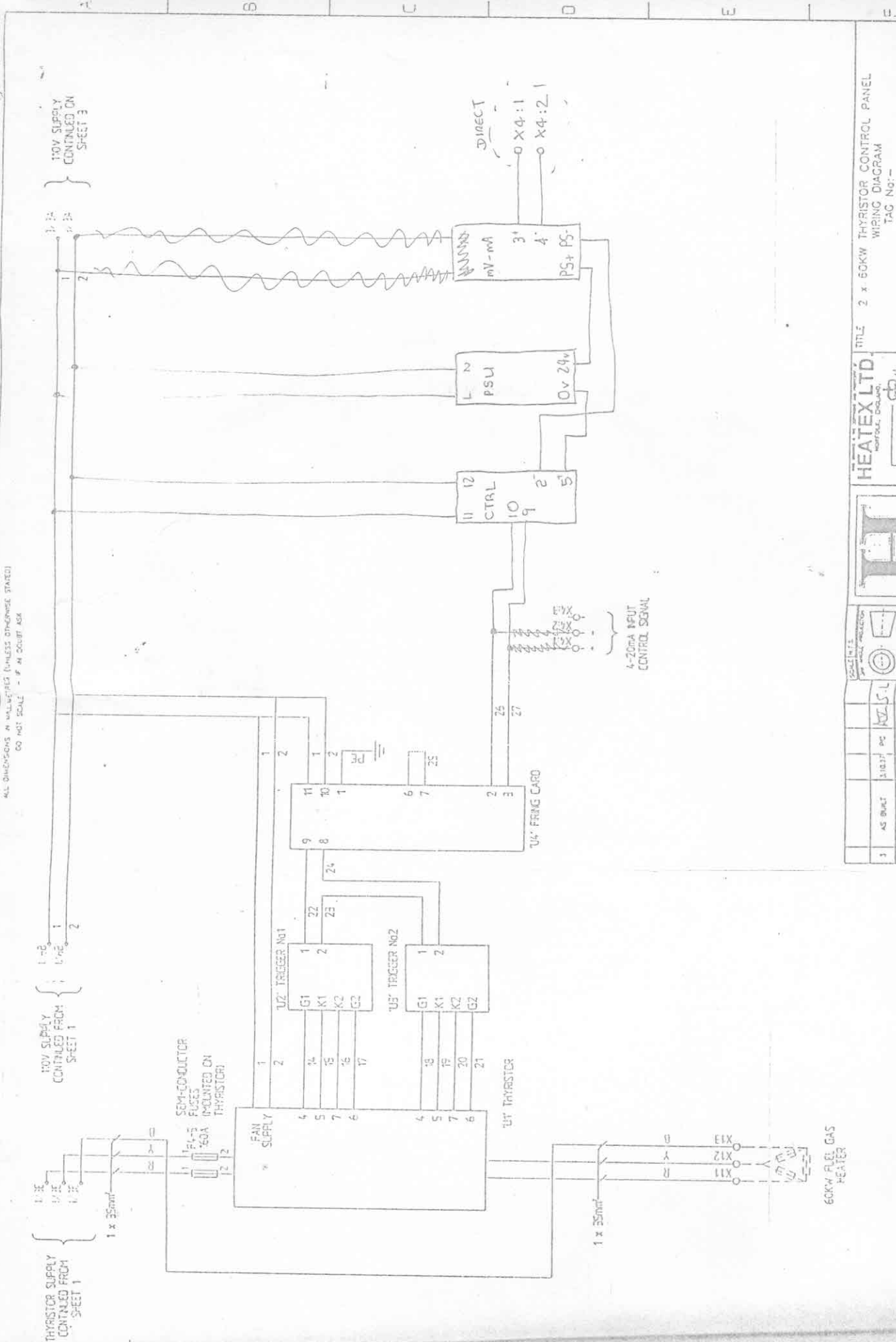
HEATEX LTD. HEATEX GROUP		
TITLE 2 x 60KW THYRISTOR CONTROL PANEL WIRING DIAGRAM TAG No: -		
HEATEX DRAWING NUMBER	SHEET 1 OF 3	ISSUE 3
7269.03.03		
P/N: 2-UTTERMCP-332001-0-0-0		

3	AS BUILT	10/01/01	PC	DL	DL
2	CLIENT'S COMMENTS	10/01/01	PC	DL	DL
1	1ST ISSUE	10/01/01	PC	DL	DL
REV	DATE	BY	CHKD	APPD	ISSUED

HEATEX LTD.
HEATEX GROUP

STATED OTHERWISE ALL CABLES TO BE 15mm² BLACK

8-278



ALL DIMENSIONS IN MILLIMETRES (UNLESS OTHERWISE STATED)
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TITLE 2 x 60KW THYRISTOR CONTROL PANEL
WIRING DIAGRAM
TAG No: -

7269.03.03

HEATEX DRAWING NUMBER SHEET 2 OF 8
ISSUE 3

NO	AS BUILT	DATE	BY	CHKD	DATE	BY	CHKD
1	AS BUILT	11/01/77	PC	PC			
2	CLIENTS COMMENTS ADDED						
3	1ST ISSUE						

REV1 COMMENTS DATE (DD/MM/YY) DRAWN BY

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UNLESS STATED OTHERWISE ALL CABLES TO BE 15mm² BLACK