

REV. NO.	ECO.No.	DATE	DESCRIPTION	AL.T.BY.	CHD.BY.
6					

REV. NO.	ECO.No.	DATE	DESCRIPTION	AL.T.BY.	CHD.BY.
5					
4					
3					
2					

DO NOT SCALE THIS DRG. IF IN DOUBT, ASK ENGG. DEPT.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. MACHINING DEVIATION FOR OPEN DIMS IS 2102(Med)mm

Surface Finish Symbols

ROUGHNESS SYMBOL	ROUGHNESS VALUE Ra μm
▽	>0.05
▽▽	0.05
▽▽▽	0.1
▽▽▽▽	0.2
▽▽▽▽▽	0.4
▽▽▽▽▽▽	0.8
▽▽▽▽▽▽▽	1.6
▽▽▽▽▽▽▽▽	3.2
▽▽▽▽▽▽▽▽▽	6.3
▽▽▽▽▽▽▽▽▽▽	12.5
▽▽▽▽▽▽▽▽▽▽▽	25
▽▽▽▽▽▽▽▽▽▽▽▽	50

Tolerance

DIMENSION	TOLERANCE
OVER	+0.1
UP TO & INCL.	+0.2
30	+0.3
120	+0.5
315	+0.8
1000	+1.2
2000	+1.8
4000	+2.5
20000	+3

Reproduction of these in any form should only be done with the specific permission of the company.

ELGI EQUIPMENTS LTD., COIMBATORE - INDIA.

STARTER CUM CONTROL PANEL

MODEL CONTROL PANEL EG11V - EG22V 380-440V/50/60Hz

ITEM NO.	DESCRIPTION	QTY	DRAWING No.	REV.	REMARKS
MAT'L					

NAME	DATE
DESIGNED MANOJ	30.11.23
CAD ARIF	30.11.23
CHECKED	
APPD.	

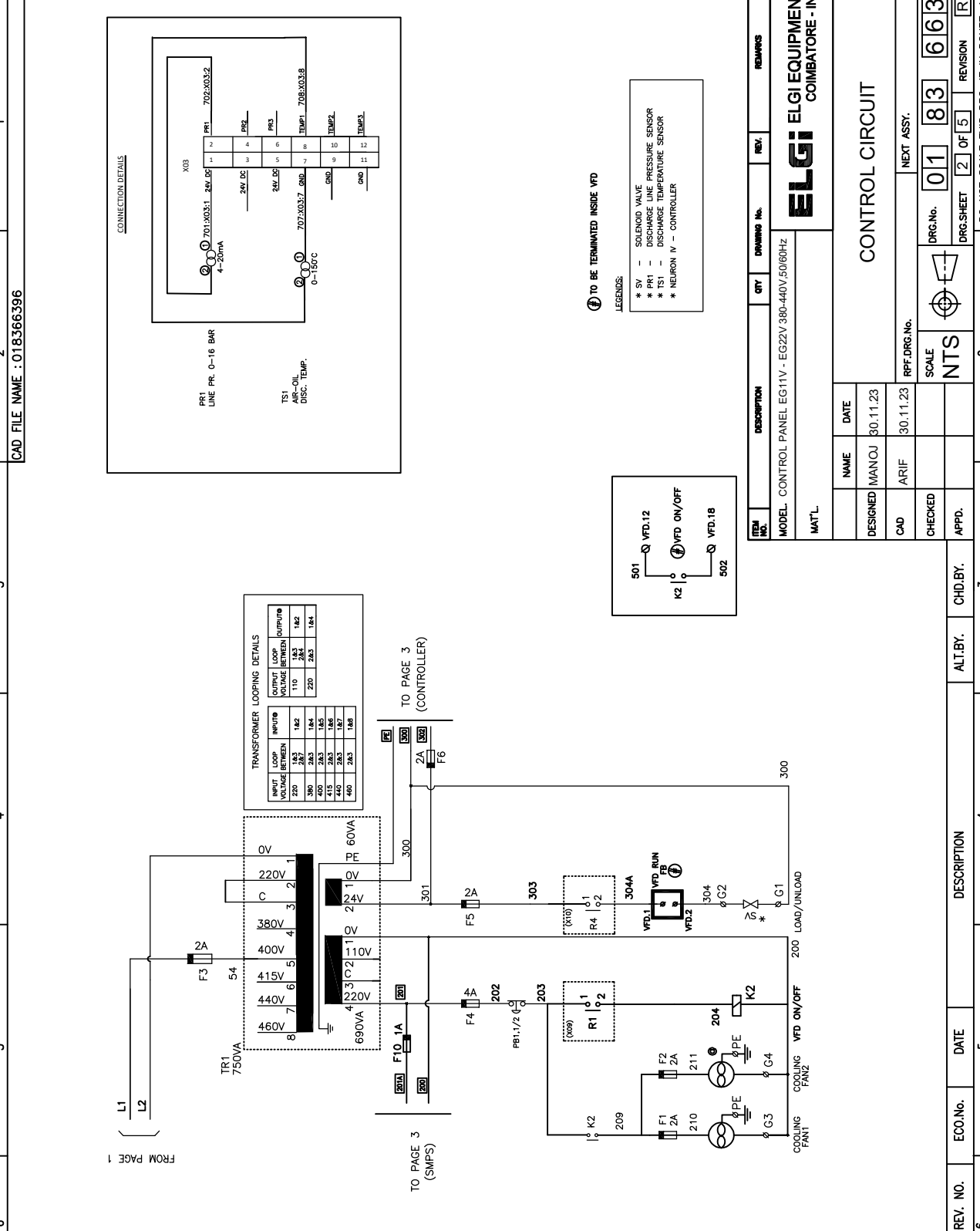
SCALE	DRG.No.	REV.	REVISION
NTS	01	83	6639
	1	5	101

FOR TR1 TO PAGE 2

2 3 4 5 6

1 2 3 4 5 6

E D C B A



REV. NO.	ECO.No.	DATE	DESCRIPTION	ALL BY.	CHD. BY.
6					

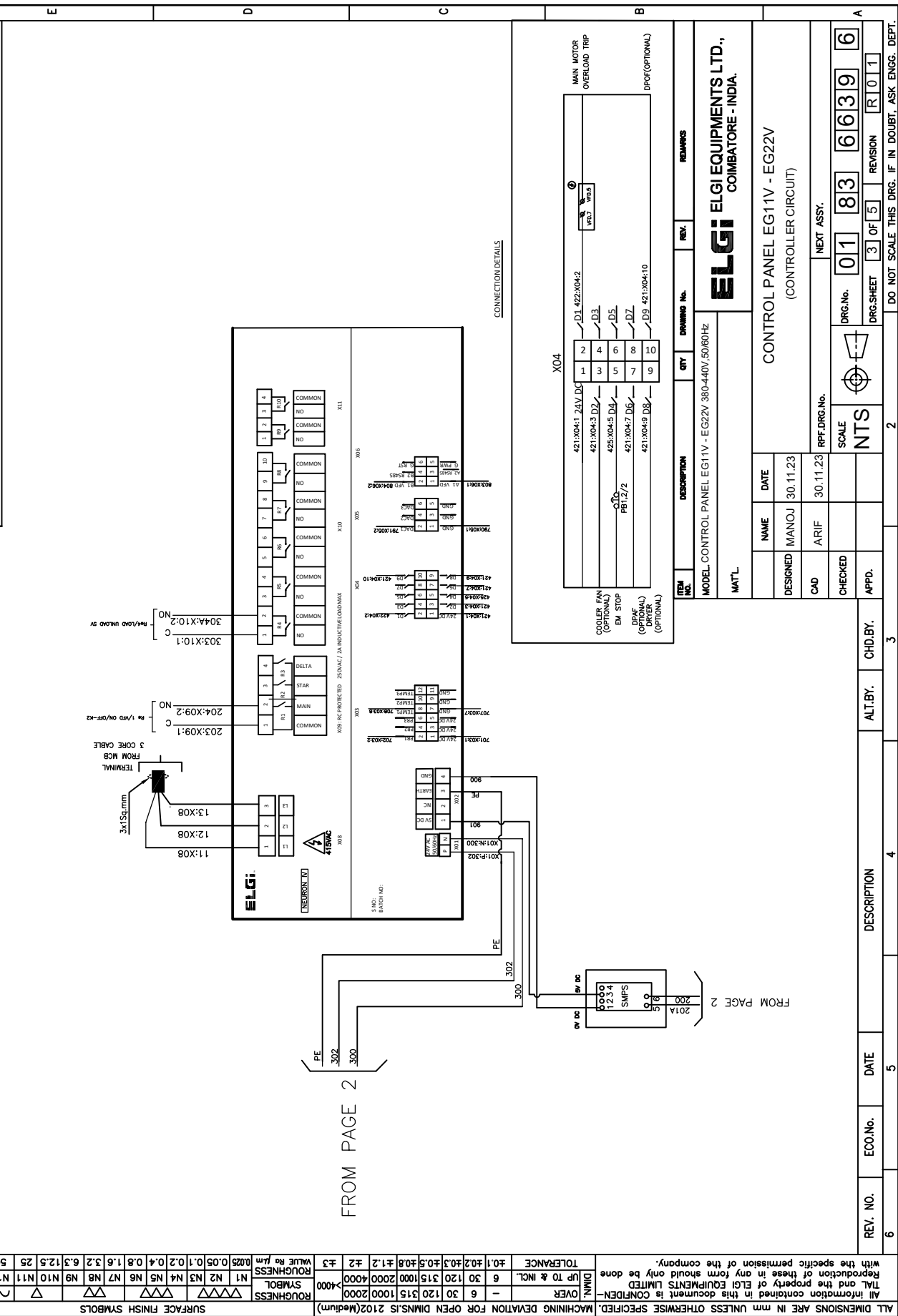
SCALE: NTS, DRG.No. 018366396, RFP.DRG.No. 30.11.23

DESIGNED: MANOJ, CAD: ARIF, CHECKED: [Blank], APPD: [Blank]

MODEL: CONTROL PANEL EG-11V - EG22V 380-440V/50/60Hz

ELGI EQUIPMENTS LTD., COMBATORE - INDIA

DO NOT SCALE THIS DRG. IF IN DOUBT, ASK ENGG. DEPT.



REV. NO.	ECO.No.	DATE	DESCRIPTION	ALL BY.	CHK BY.	APPD.
6						
5						
4						
3						
2						

FROM PAGE 2

ITEM NO.	DESCRIPTION	QTY	DRAWING No.	REV.	REMARKS
1	421:X04:1 24V DC	2			
2	421:X04:3 D2	4			
3	425:X04:5 D4	6			
4	421:X04:7 D6	7			
5	421:X04:9 D8	8			
6	421:X04:10	10			

ITEM NO.	DESCRIPTION	QTY	DRAWING No.	REV.	REMARKS
1	COOLER FAN (OPTIONAL)	1			
2	EM STOP (OPTIONAL)	1			
3	DPAF (OPTIONAL)	1			
4	DPOT (OPTIONAL)	1			

CONNECTION DETAILS

ITEM NO.	DESCRIPTION	QTY	DRAWING No.	REV.	REMARKS
1	MODEL CONTROL PANEL EG11V - EG22V 380-440V, 50/60HZ				
2	MAT'L				

ELGI ELGI EQUIPMENTS LTD., COIMBATORE - INDIA.

CONTROL PANEL EG11V - EG22V (CONTROLLER CIRCUIT)

DESIGNED MANOJ 30.11.23  
 CAD ARIF 30.11.23  
 CHECKED  
 APPD.

SCALE NTS  
 DRG.No. 01 83 6639 6  
 DRG.SHEET 3 OF 5 REVISION R 0 1

DO NOT SCALE THIS DRG. IF IN DOUBT, ASK ENGG. DEPT.

### BILL OF MATERIALS

S.NO	CODE	DESCRIPTION	MAKE	RATING	ELGI PART CODE	QTY
* 1	VFD	DRIVE	DANFOSS	11KW-22KW	-	1
2	K2	CONTROL CONTACTOR	SIEMENS	3RH21 31-1A00,10A	018362644	1
3	TR1	TRANSFORMER	PROCON	750VA, PRI : C-360-400-415-440-460V SEC1 : 0-110-C-220V SEC2 : 0-24V	008937082	1
4	PB1	EMERGENCY STOP(WITH FULL DIAL PLATE)	TEKNIC	2AML4(1 NOS)+S2 (2NOS)	008940030	1
5	CONNECTOR	PLC CONNECTOR SET	DEGSON DEGSON WAGO WAGO WAGO WAGO WAGO DEGSON DEGSON DEGSON DEGSON	X01: 15EDGK-3.5-02P-13-00A(H) X02: 8EDGK-5.0-04P-11-1001A(H) X03: 713-1106 X04: 713-1105 X05: 713-1103 X06: 713-1103 X07: 8EDGK-7.5-03P-11-01A(H) X08: 8EDGK-7.5-04P-11-1001A(H) X09: 8EDGK-7.5-04P-11-1001A(H) X10: 8EDGK-7.5-10P-11-1001A(H) X11: 8EDGK-5.0-4P-11-1001A(H)	018400732	1 SET
6	F1-F10	FUSE TERMINALS WITH GLASS FUSE	WAGO	281-611	018362735	AS REQ.
7	G	CONTROL TERMINAL BLOCKS	WAGO	281-101	018362734	AS REQ.
8	L1-L3	INCOMING TERMINALS WITH PROTECTIVE COVER	ELMEX	SPT35(G)	008946234	AS REQ.
9	PE	EARTH TERMINAL	WAGO	281-107	018362733	AS REQ.
10	NEURON IV	CONTROLLER	ELGI	-	018364982	1
11	-	PVC CHANNEL	-	WIDE SLOT, NON-SLIP-45 x 45 / 45 x 25	-	AS REQ.
12	PE	EARTH STRIP FOR COMPONENT EARTH WITH 5mm SCREW WITH FLAT & SPRING WASHER	-	COPPER WITH TIN COATING	-	1
13	PR1	PRESSURE TRANSMITTER	DANFOSS	0-16 BAR	00897902N	1
14	TS1	TEMPERATURE SENSOR	DANFOSS	0-150°C	018400076	1
16	SMPS	SWITCH MODE POWER SUPPLY	MEAN WELL	HDR-60-5.6.5A (110/230V AC)/5V DC	018364574	1

MODEL	VFD PART No.
EG11	B012000510023
EG15	B012000510024
EG18	B012000510025
EG22	B012000510019

ITEM NO.	DESCRIPTION	QTY	DETAILED No.	REV.	REMARKS
	MODEL: CONTROL PANEL EG1V - EG2V 380-440V,50/60HZ NV				
	MAT'L				

**ELGI EQUIPMENTS LTD.,**  
 COIMBATORE - INDIA.

### BILL OF MATERIALS

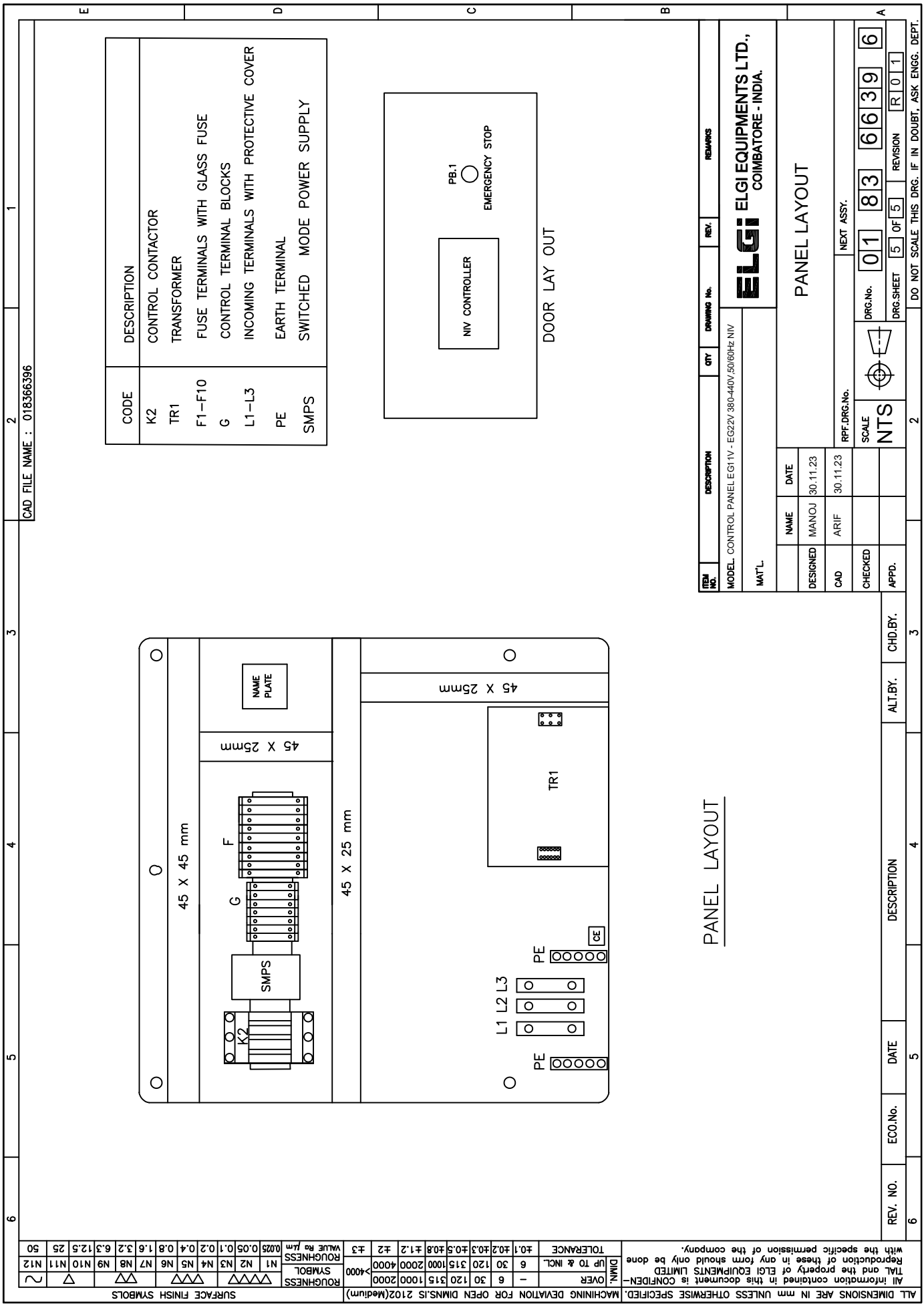
NAME	DATE	SCALE	DRG.No.	REV.
DESIGNED	MANOJ 30.11.23		01 83	6639
CAD	ARIF 30.11.23	RPF.DRG.No.	4	5
CHECKED		SCALE	NTS	
APPD.				

NEXT ASSY.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. MACHINING DEVIATION FOR OPEN DIMS IS ±120 (Medium) SURFACE FINISH SYMBOLS

SYMBOL	ROUGHNESS
▽	0.025
▽	0.05
▽	0.1
▽	0.2
▽	0.4
▽	0.8
▽	1.6
▽	3.2
▽	6.3
▽	12.5
▽	25
▽	50

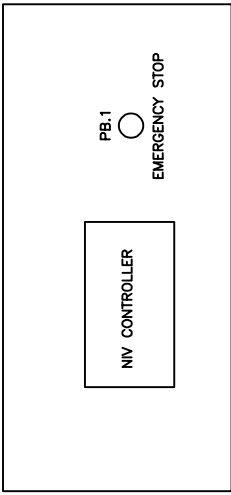
with the specific permission of the company. Reproduction of these in any form should only be done with the permission of ELGI EQUIPMENTS LIMITED. All information contained in this document is CONFIDENTIAL and the property of ELGI EQUIPMENTS LIMITED.



6	5	4	3	2	1
---	---	---	---	---	---

CAD FILE NAME : 018366396

CODE	DESCRIPTION
K2	CONTROL CONTACTOR
TR1	TRANSFORMER
F1-F10	FUSE TERMINALS WITH GLASS FUSE
G	CONTROL TERMINAL BLOCKS
L1-L3	INCOMING TERMINALS WITH PROTECTIVE COVER
PE	EARTH TERMINAL
SMPS	SWITCHED MODE POWER SUPPLY



DOOR LAY OUT

PANEL LAYOUT

ITEM No.	DESCRIPTION	QTY	DRAWING No.	REV.	REMARKS
	MODEL: CONTROL PANEL EGTV - EG2V 380-440V /50/60HZ NIV				
	MAT'L				<b>ELGI</b> ELGI EQUIPMENTS LTD., COIMBATORE - INDIA.
DESIGNED	NAME	DATE	NEXT ASSY.		
	MANOJ	30.11.23			
CAD	ARIF	30.11.23	RFF.DRG.No.		
CHECKED			SCALE	NTS	
APPD.			DRG.No.	01	83
			DRG.SHEET	5	OF 5
			REVISION	R	0
					1

PANEL LAYOUT

REV. NO.	ECO.No.	DATE	DESCRIPTION	ALT.BY.	CHD.BY.
6		5			

ROUGHNESS SYMBOL	ROUGHNESS VALUE $\mu m$	ROUGHNESS SYMBOL	ROUGHNESS VALUE $\mu m$
N1	0.05	N2	0.1
N3	0.2	N4	0.4
N5	0.8	N6	1.6
N7	3.2	N8	6.3
N9	12.5	N10	25
N11	50	N12	50

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. MACHINING DEVIATION FOR OPEN DIMNS IS 2102(Medium)  $\pm 0.1$  TO  $\pm 0.3$  mm. SURFACE FINISH SYMBOLS

UP TO & INCL. 6  $\pm 0.1$  TO  $\pm 0.3$  mm. TOLERANCE

OVER 6  $\pm 0.1$  TO  $\pm 0.3$  mm. DIMN.

All information contained in this document is CONFIDENTIAL and the property of ELGI EQUIPMENTS LIMITED. Reproduction of these in any form should only be done with the specific permission of the company.

DO NOT SCALE THIS DRG. IF IN DOUBT, ASK ENGG. DEPT.