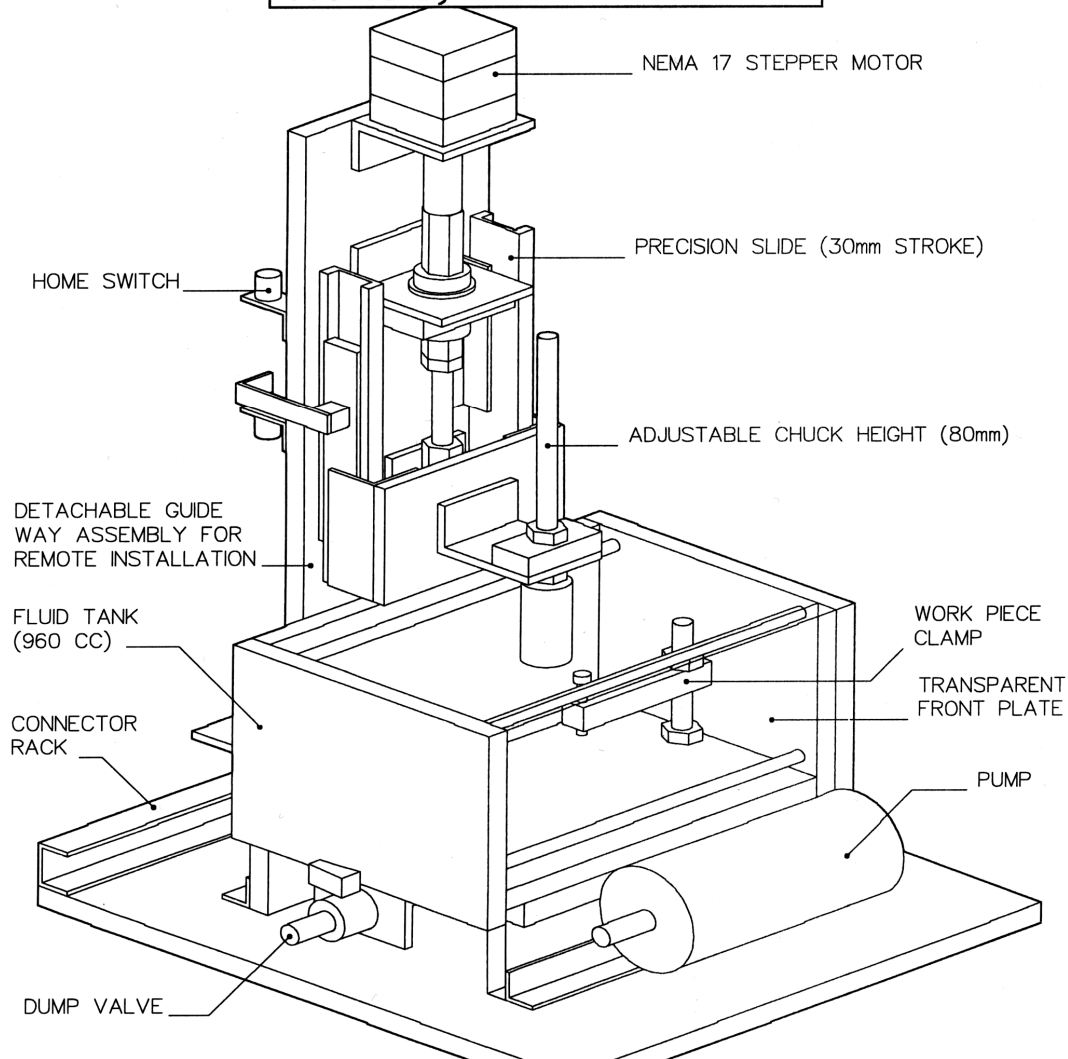


S-EDM

For The Home Shop

Proved By Practice Publications



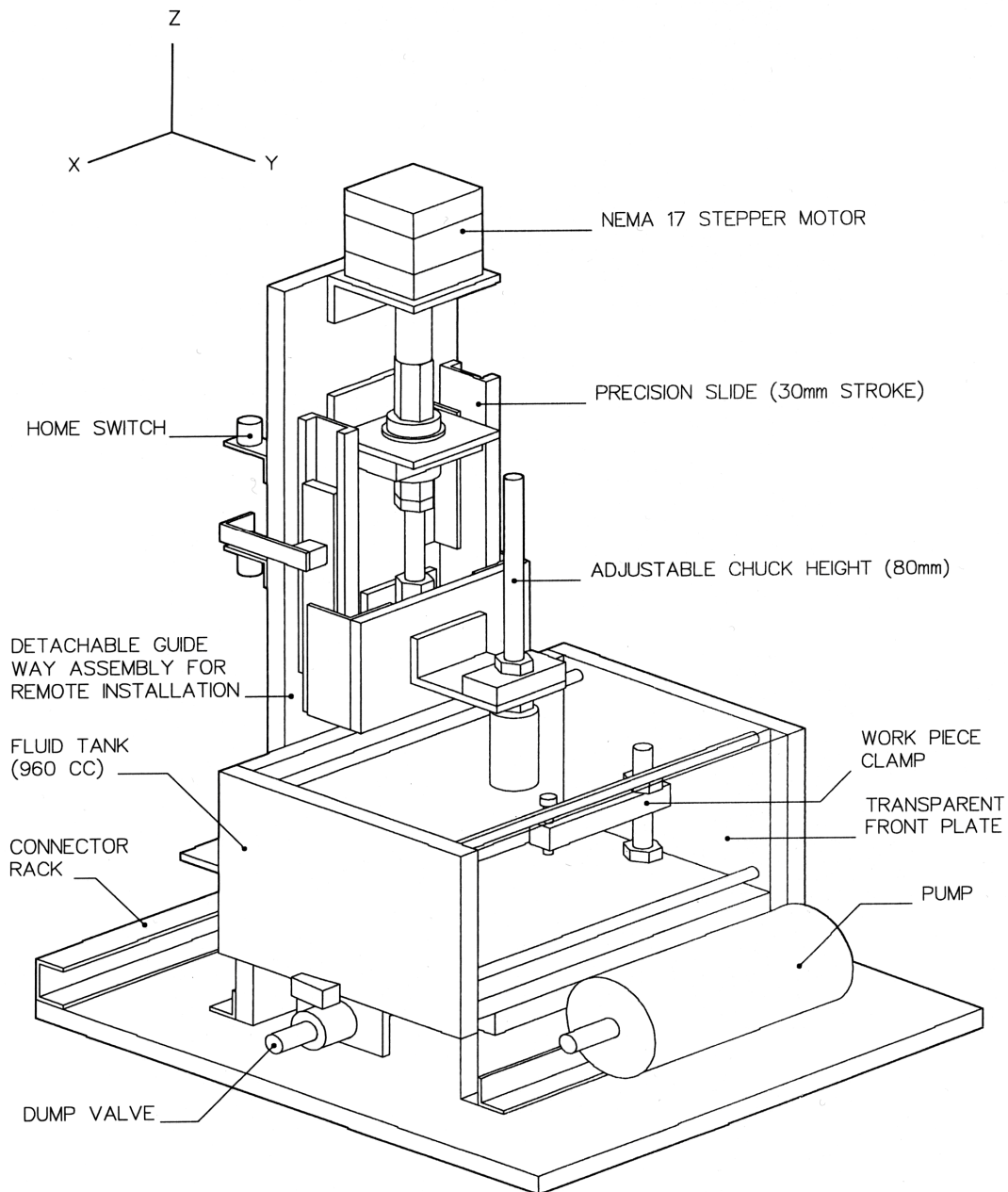
A Manual for the Creation of a Desk Top Sized CNC SEDM Unit

Version 1.0

Includes Software

SEDM
FOR THE HOME SHOP

MECHANICAL SETUP



NOT ALL PARTS
& COMPONENTS
SHOWN

DRAWING NOT
TO SCALE

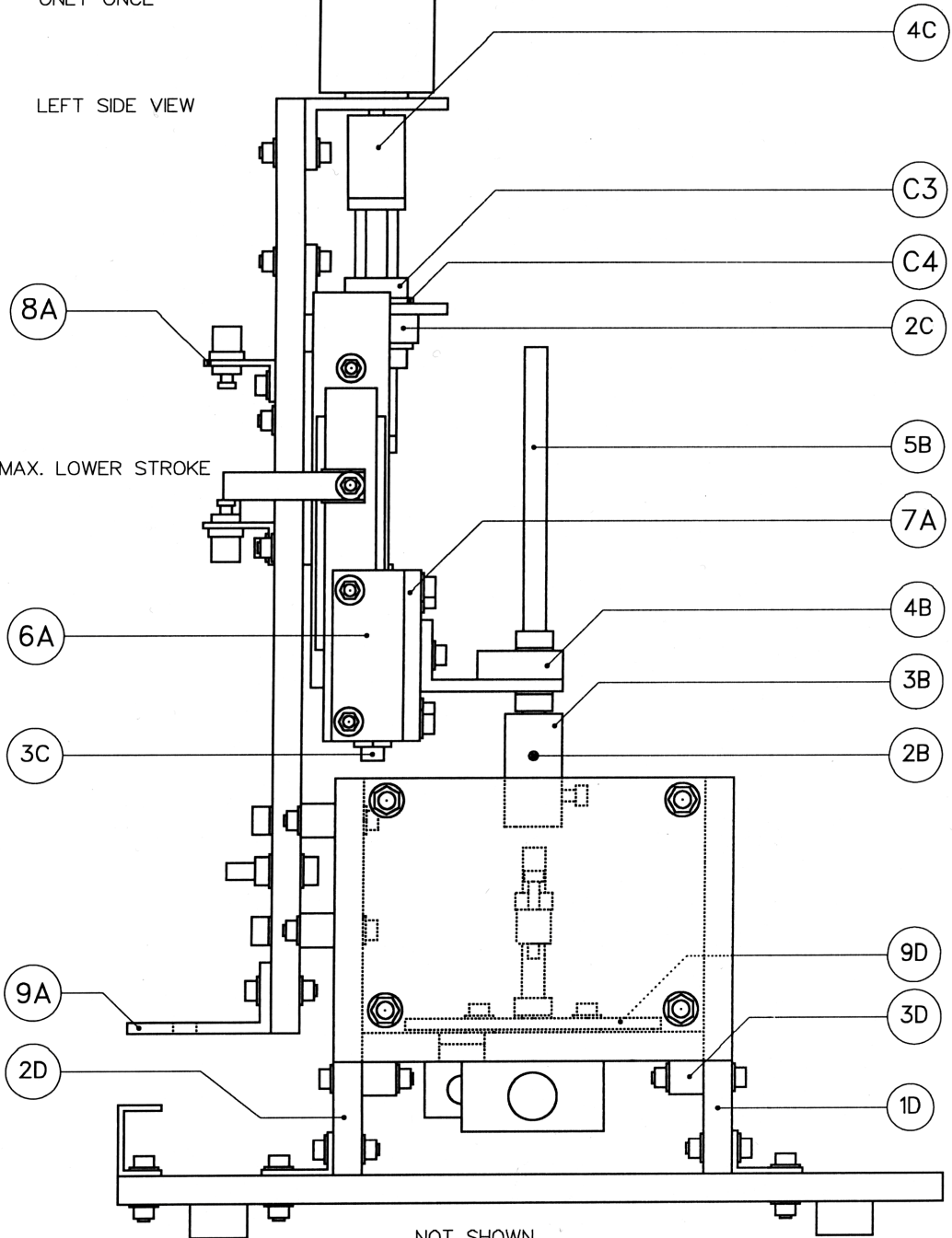
DR.1

SAME PARTS &
COMPONENTS IDENTIFIED
ONLY ONCE

NOT ALL DETAIL SHOWN

LEFT SIDE VIEW

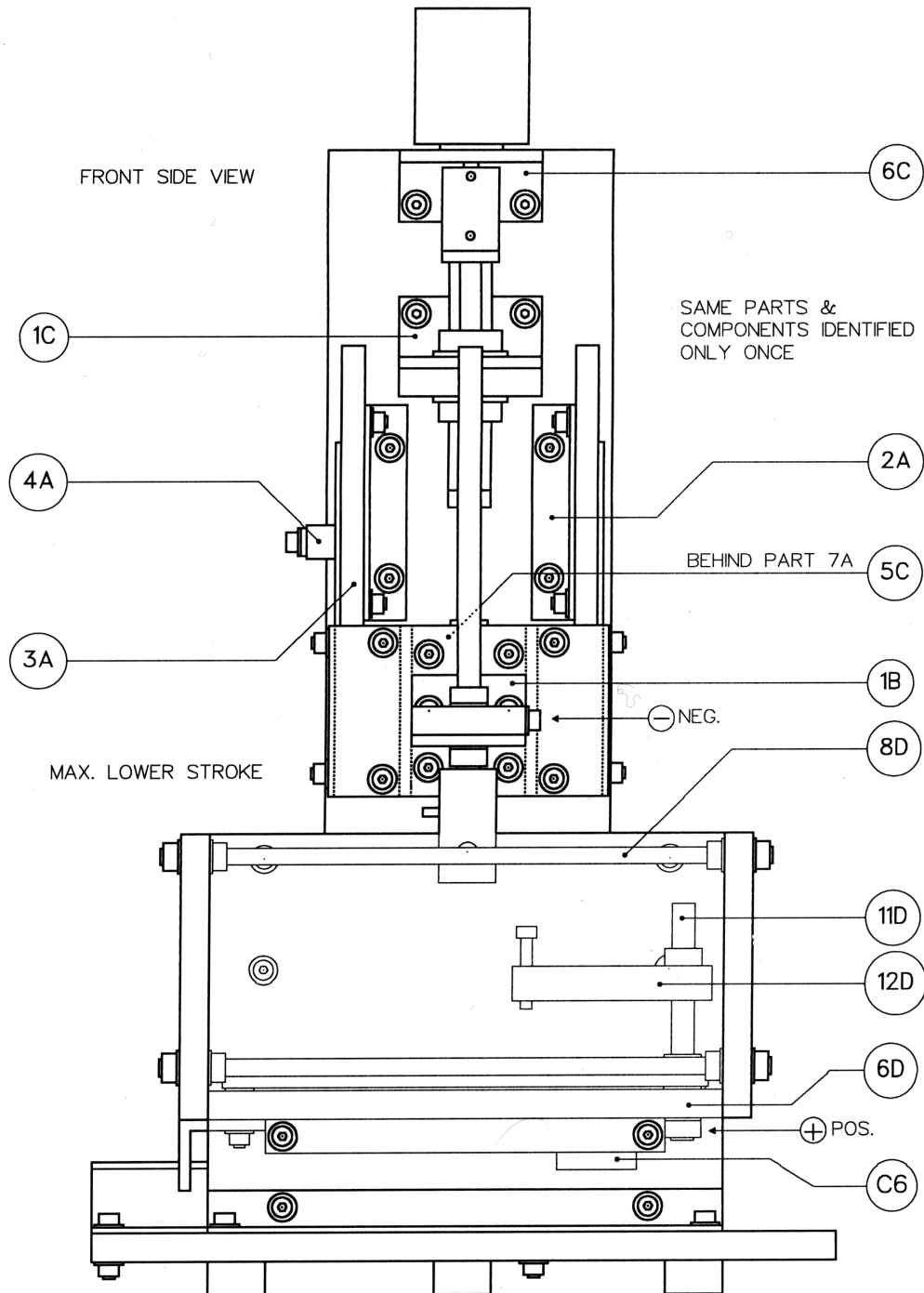
MAX. LOWER STROKE



NOT SHOWN
-PUMP
-VALVE
-CABLE
-PLUMBING
-CONNECTORS

DRAWING NOT
TO SCALE

DR. 2



NOT SHOWN
-PUMP
-VALVE
-CABLE
-PLUMBING
-CONNECTORS

NOT ALL DETAIL SHOWN

DRAWING NOT
TO SCALE

DR.3

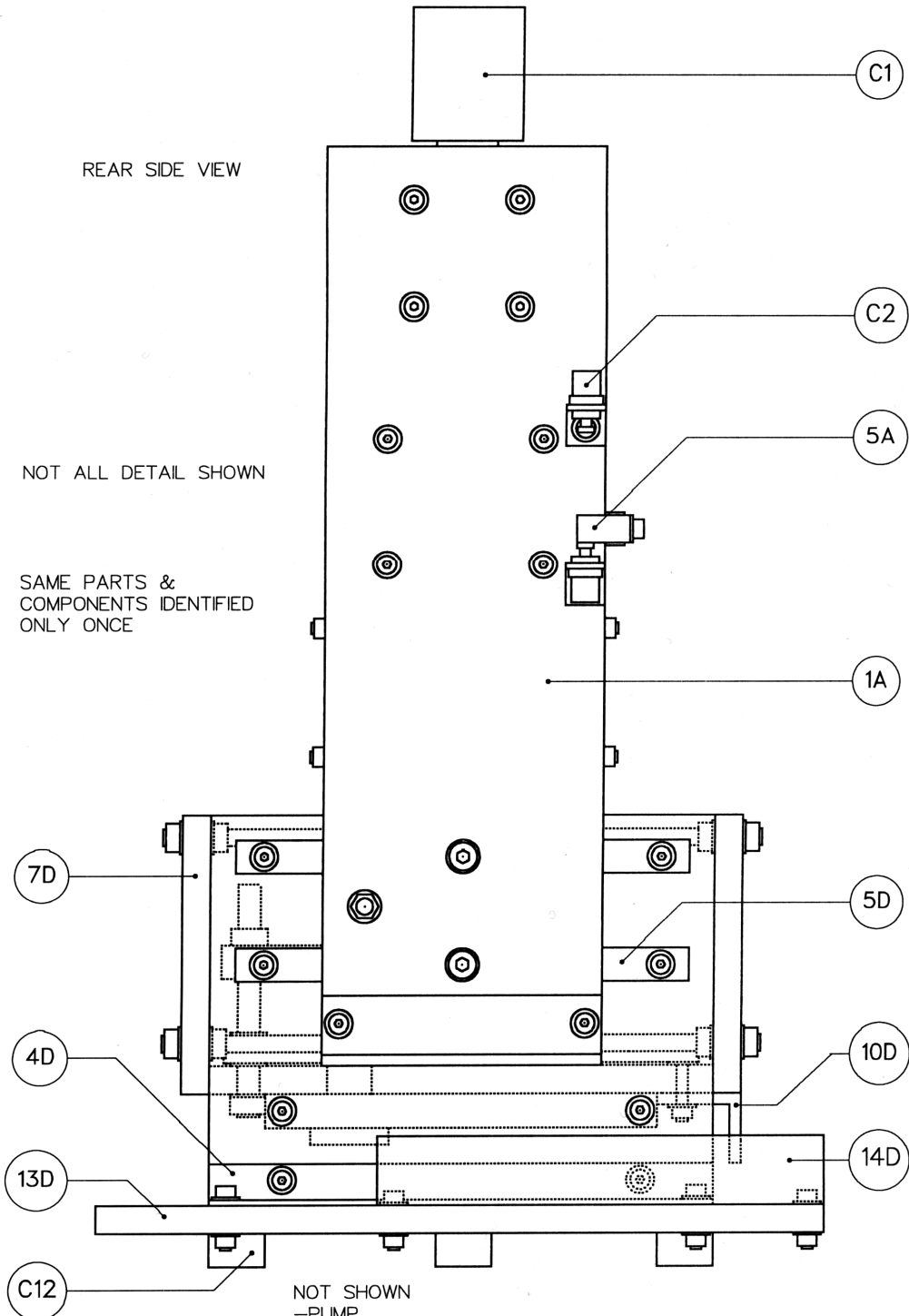
SEDM
FOR THE HOME SHOP

MECHANICAL SETUP

REAR SIDE VIEW

NOT ALL DETAIL SHOWN

SAME PARTS &
COMPONENTS IDENTIFIED
ONLY ONCE



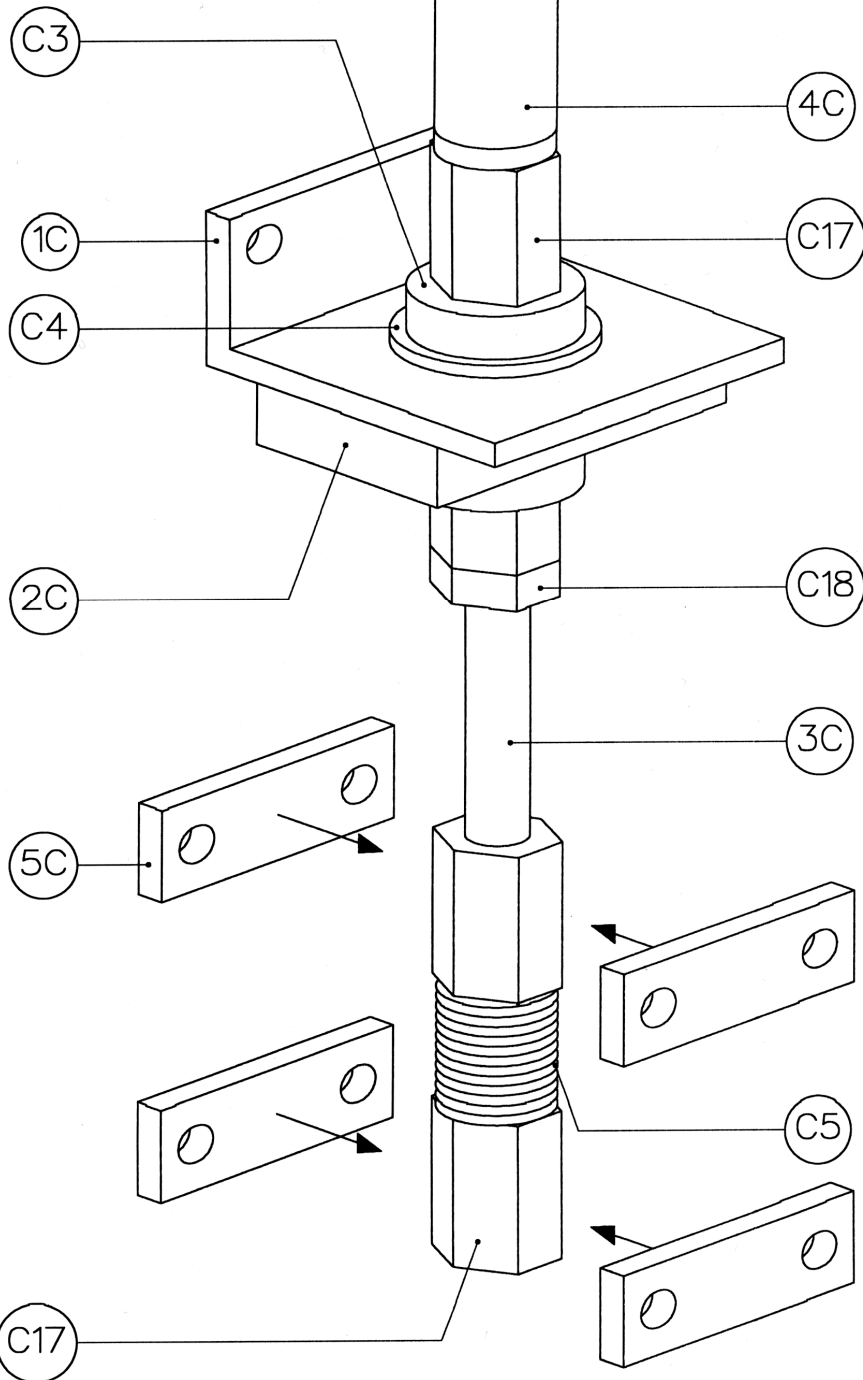
NOT SHOWN
-PUMP
-VALVE
-CABLE
-PLUMBING
-CONNECTORS

DRAWING NOT
TO SCALE

DR. 4

SEDM
FOR THE HOME SHOP

CLOSE UP OF
ASSEMBLY C



SAME PARTS &
COMPONENTS IDENTIFIED
ONLY ONCE

DRAWING NOT
TO SCALE

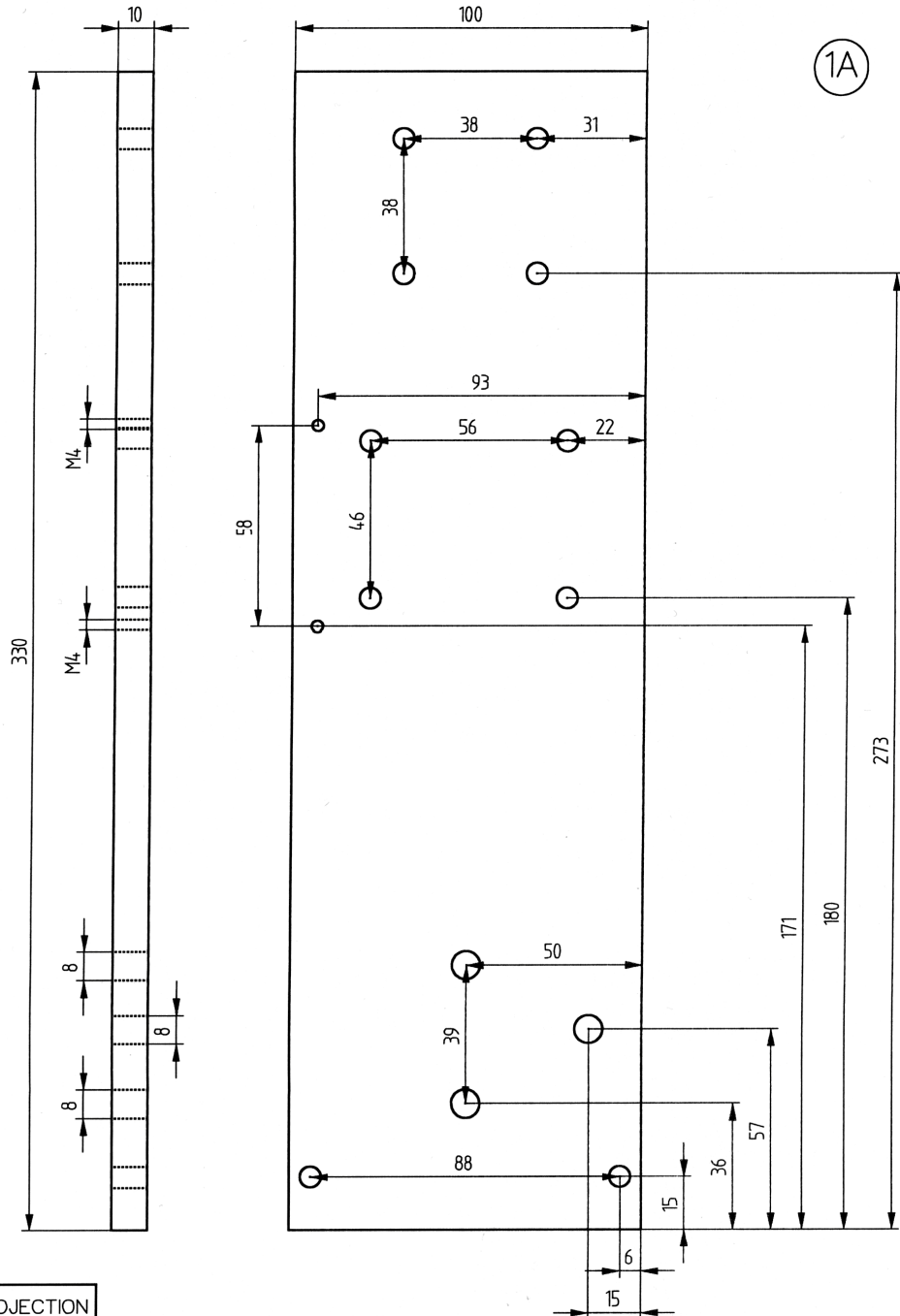
DR. 5

SEDM
FOR THE HOME SHOP

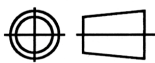
ASSEMBLY A

L SIDE

FRONT



2D PROJECTION



UNIT: mm

ALL HOLES 6mm
UNLESS SPECIFIED

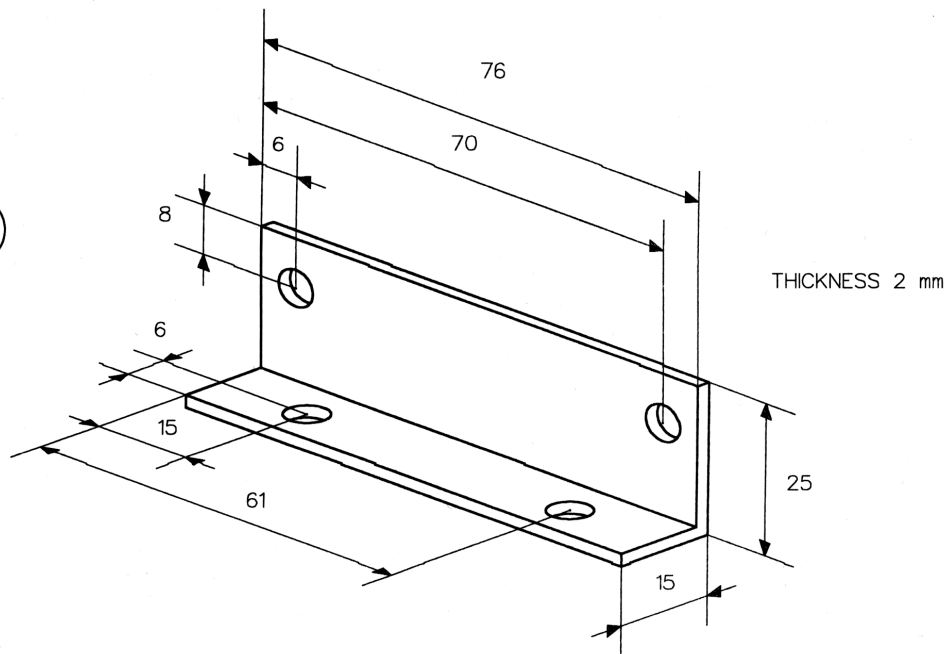
DRAWING NOT
TO SCALE

DR. 6

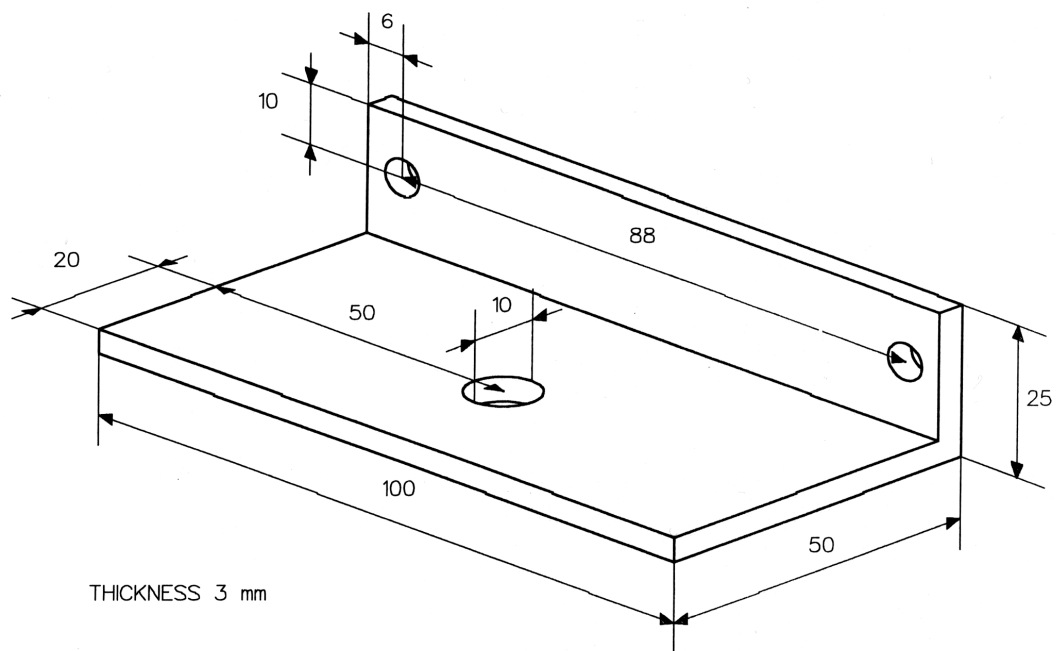
SEDM
FOR THE HOME SHOP

ASSEMBLY A

2A



THICKNESS 2 mm



THICKNESS 3 mm

9A

ALL HOLES 6mm
UNLESS SPECIFIED

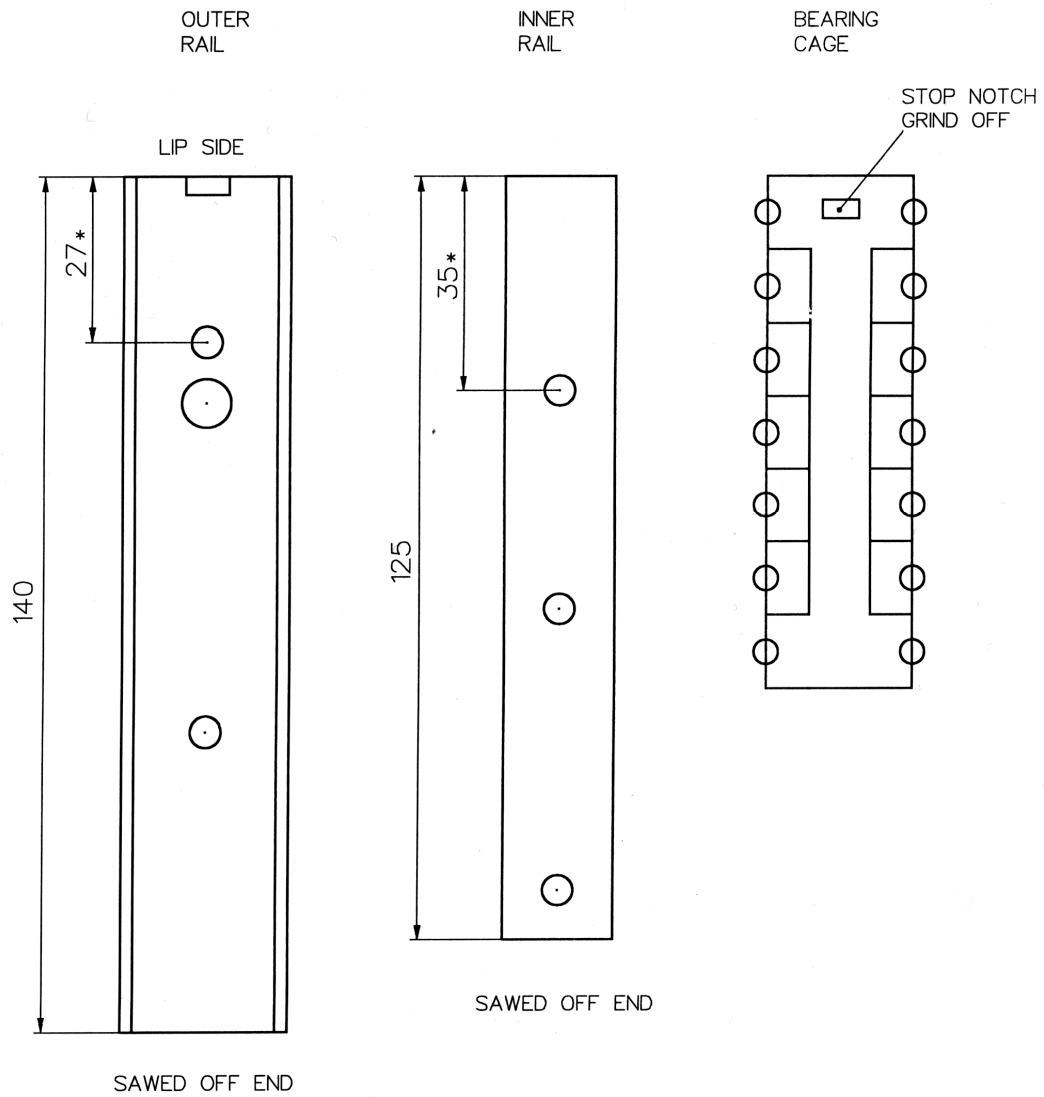
UNIT: mm

DRAWING NOT
TO SCALE

DR. 7

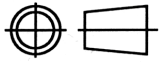
SEDM
FOR THE HOME SHOP

ASSEMBLY A



3A

2D PROJECTION



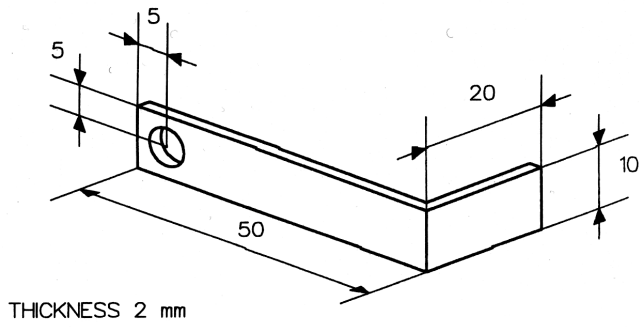
UNIT: mm

* LISTED FOR ORIENTATION
PURPOSES

DRAWING NOT
TO SCALE

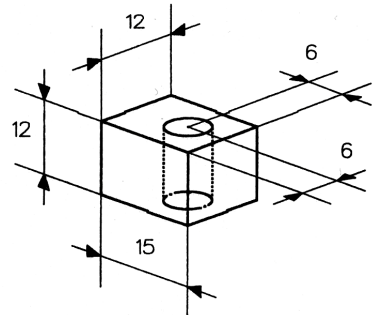
DR.8

5A

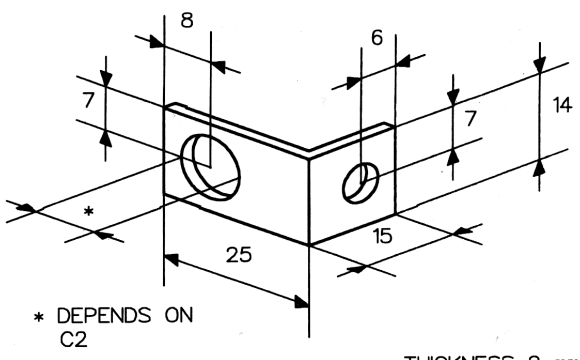


ALL HOLES 6mm
UNLESS SPECIFIED

4A



8A



* DEPENDS ON
C2

THICKNESS 2 mm

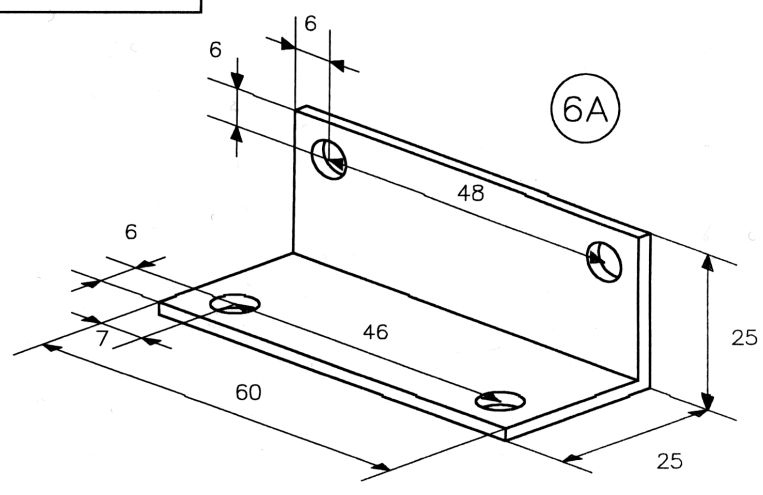
UNIT: mm

DRAWING NOT
TO SCALE

DR. 9

SEDM
FOR THE HOME SHOP

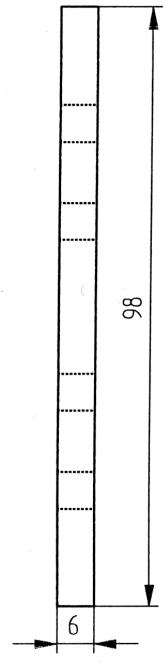
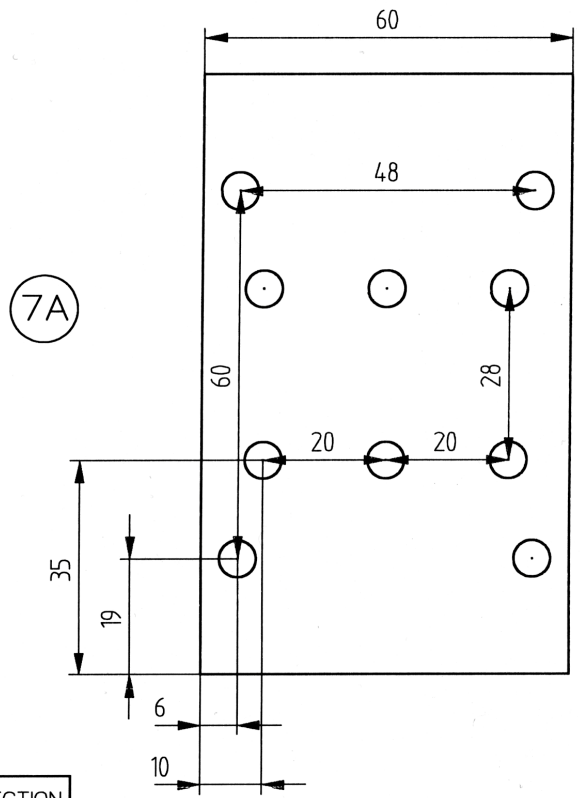
ASSEMBLY A



THICKNESS 2 mm

FRONT

R SIDE



2D PROJECTION

UNIT: mm

ALL HOLES 6mm
UNLESS SPECIFIED

DRAWING NOT
TO SCALE

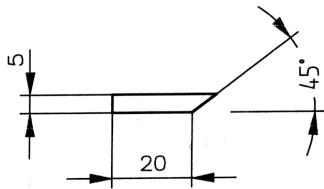
DR. 10

SEDM
FOR THE HOME SHOP

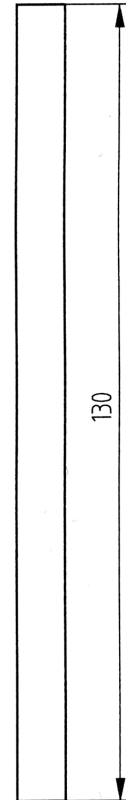
R SIDE

ASSEMBLY B

(2B)



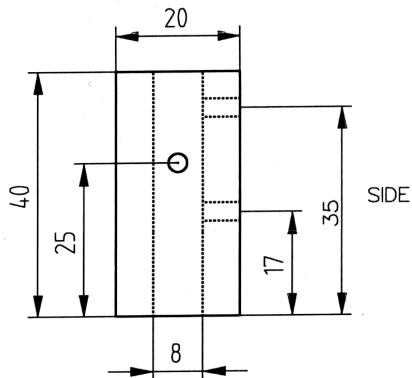
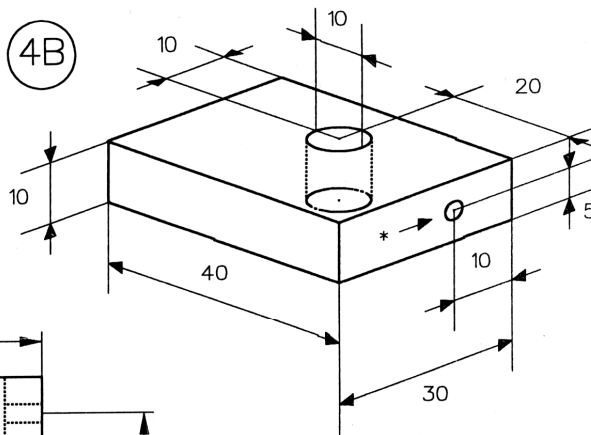
(5B)



SIDE

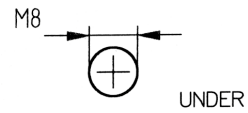
(4B)

* M4, DEPTH
10mm



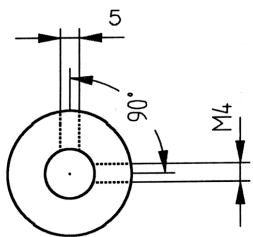
SIDE

ALL HOLES 6mm
UNLESS SPECIFIED



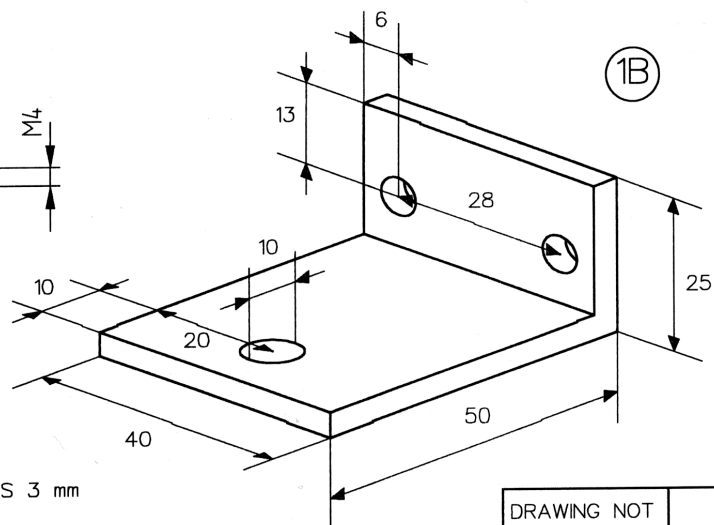
UNDER

(3B)



UNDER

(1B)

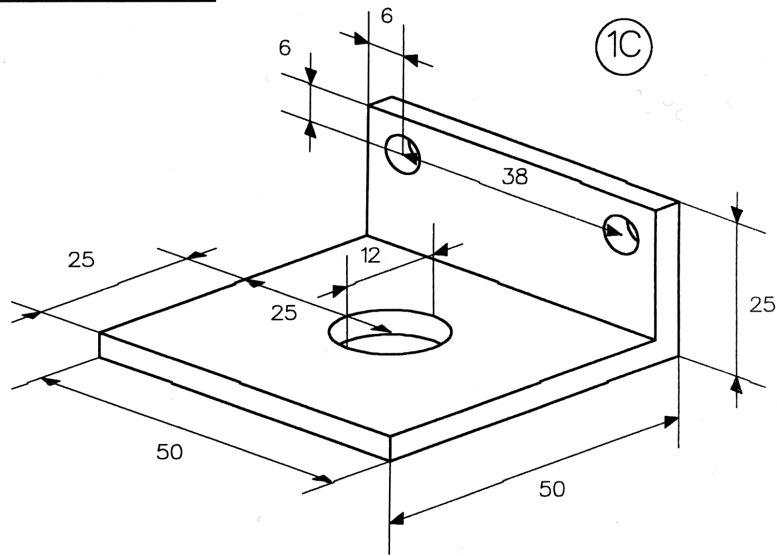


2D PROJECTION
UNIT: mm

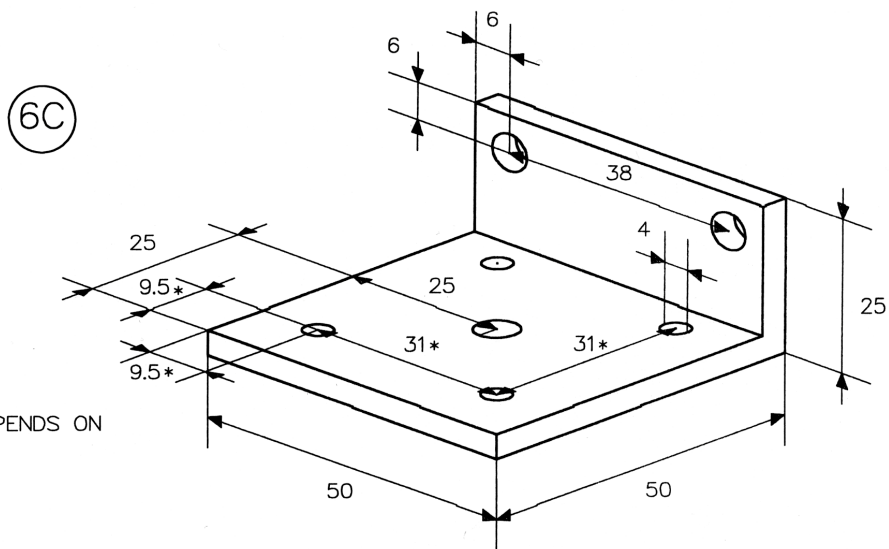
THICKNESS 3 mm

DRAWING NOT
TO SCALE

DR. 11



THICKNESS 3 mm



* DEPENDS ON
C1

THICKNESS 3 mm

ALL HOLES 6mm
UNLESS SPECIFIED

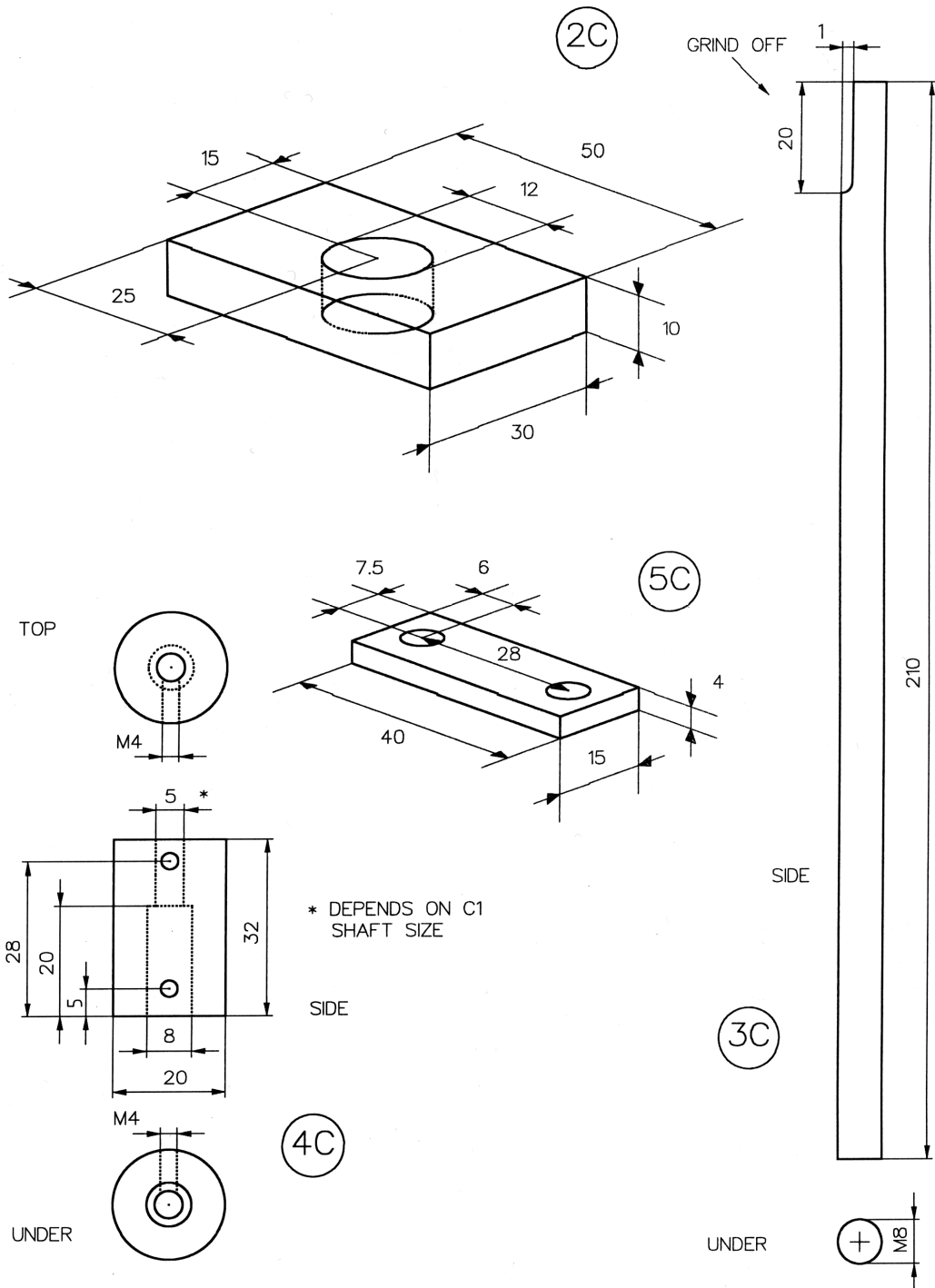
UNIT: mm

DRAWING NOT
TO SCALE

DR.12

SEDM
FOR THE HOME SHOP

ASSEMBLY C

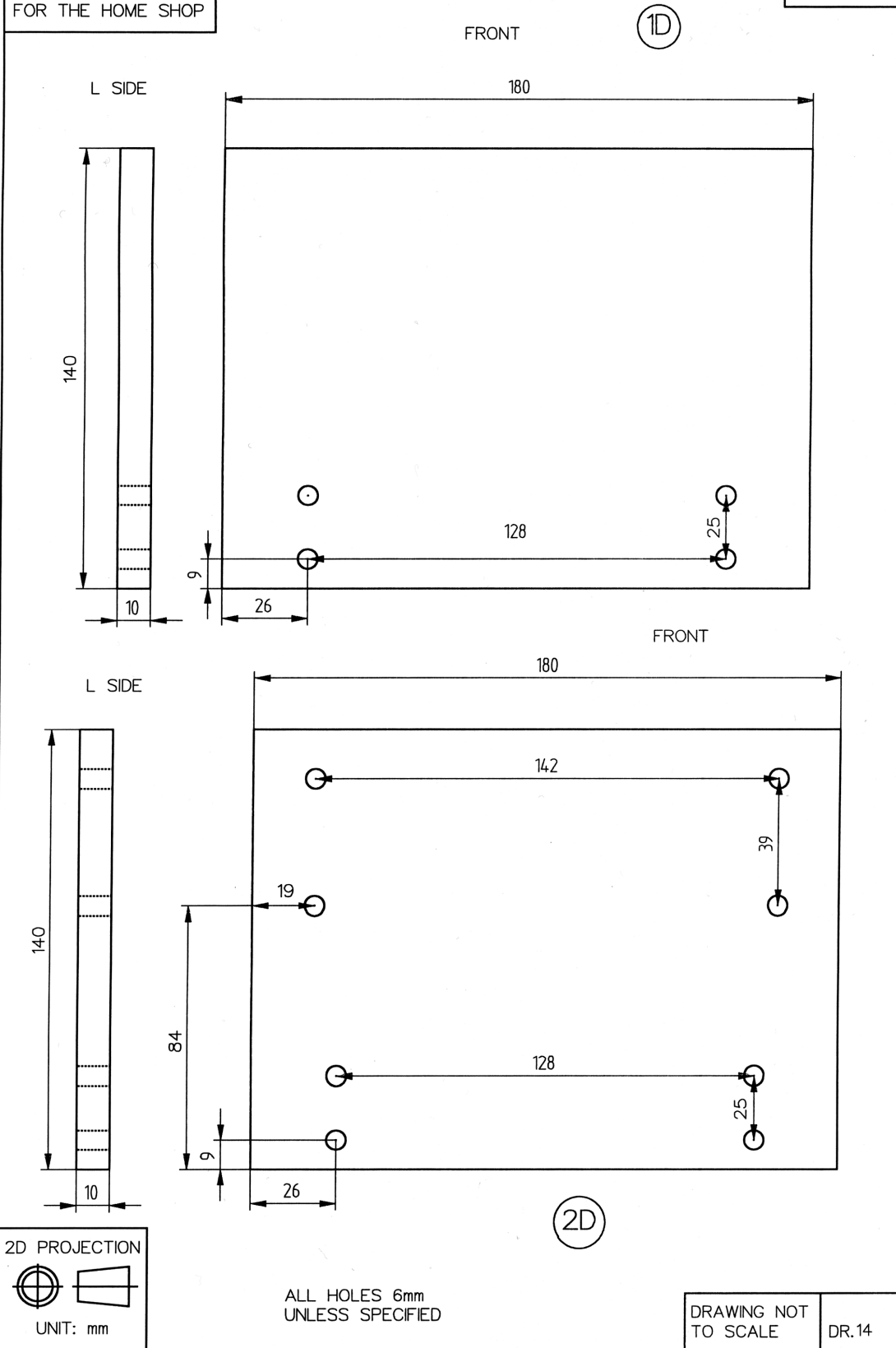


DRAWING NOT
TO SCALE

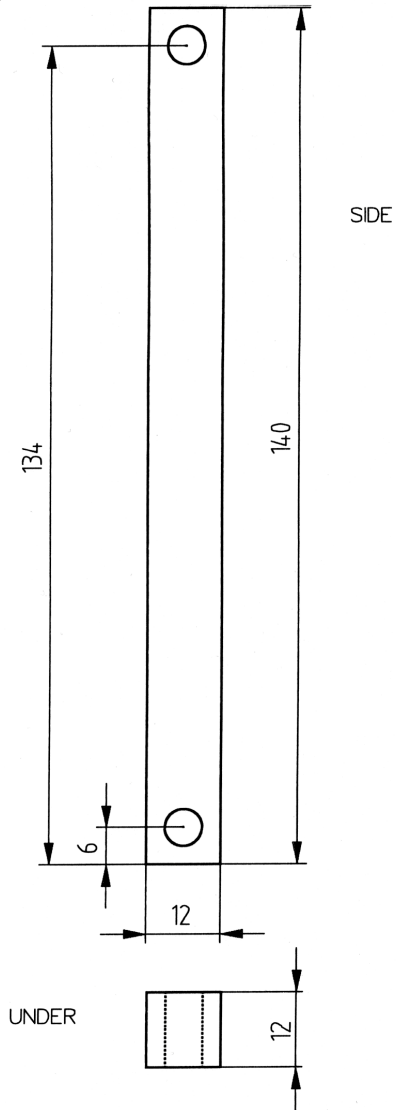
DR.13

SEDM
FOR THE HOME SHOP

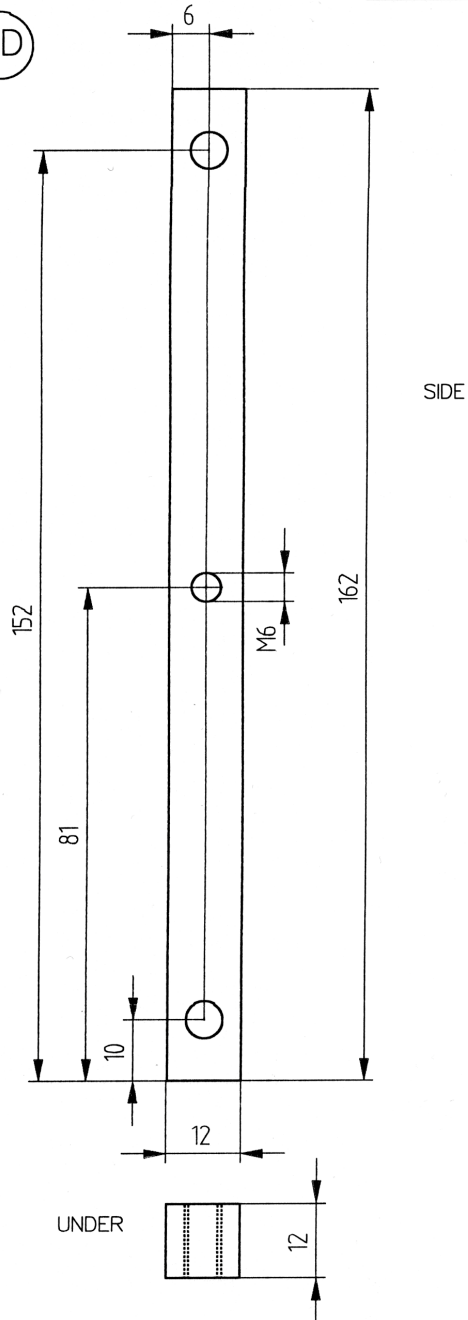
ASSEMBLY D



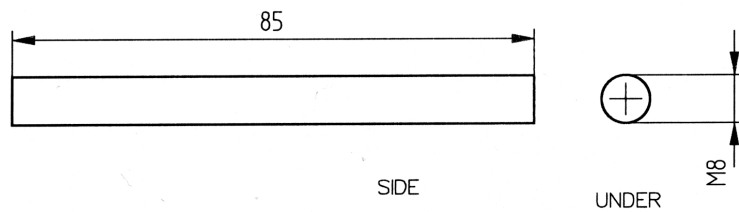
(3D)



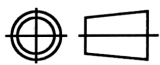
(5D)



(11D)



2D PROJECTION



UNIT: mm

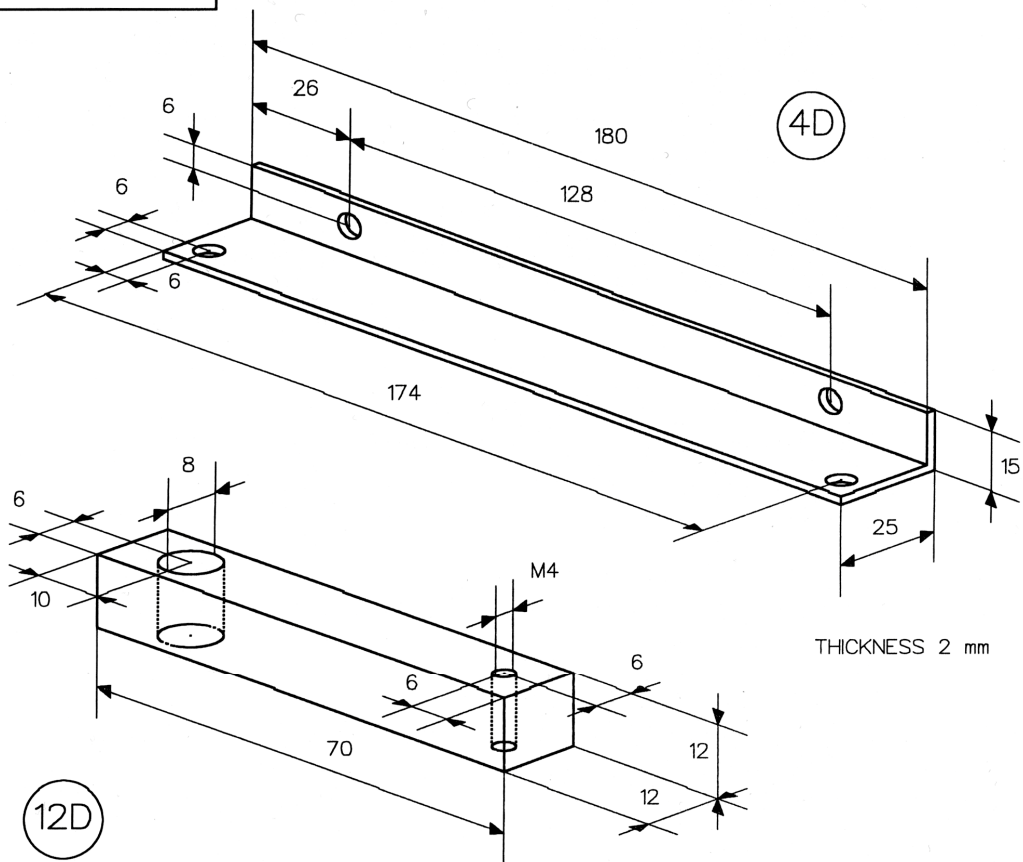
ALL HOLES 6mm
UNLESS SPECIFIED

DRAWING NOT
TO SCALE

DR.15

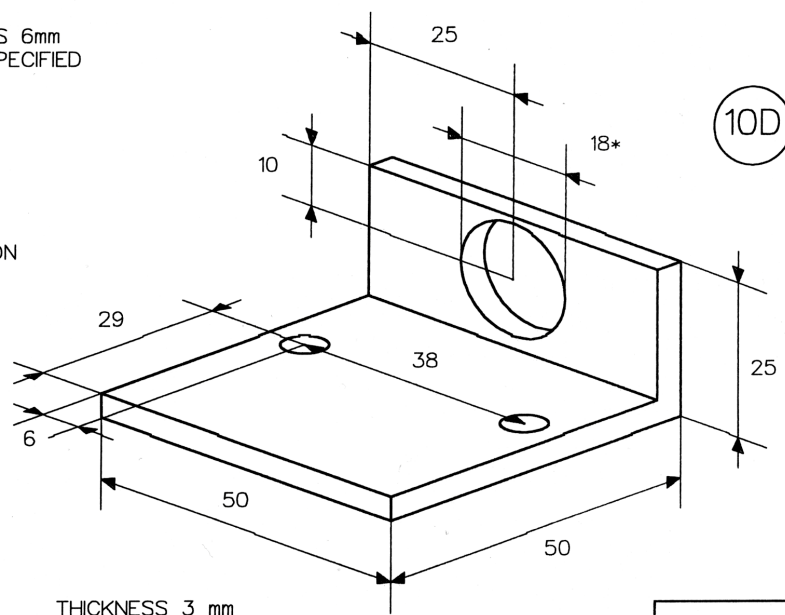
SEDM
FOR THE HOME SHOP

ASSEMBLY D



ALL HOLES 6mm
UNLESS SPECIFIED

* DEPENDS ON
C8



UNIT: mm

DRAWING NOT
TO SCALE

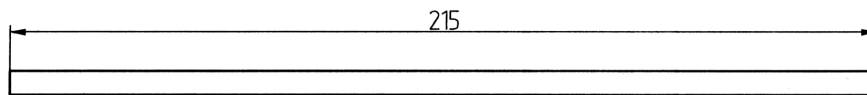
DR. 16

ASSEMBLY D

FRONT



UNDER



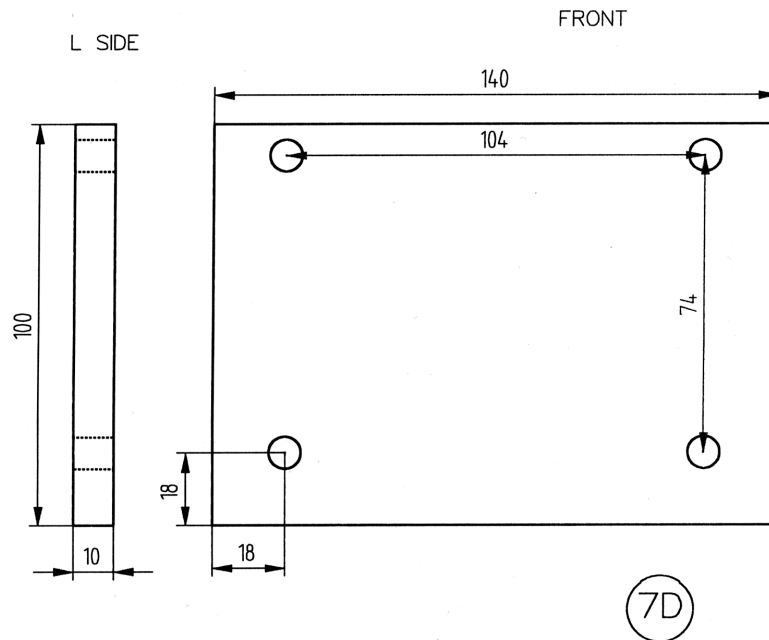
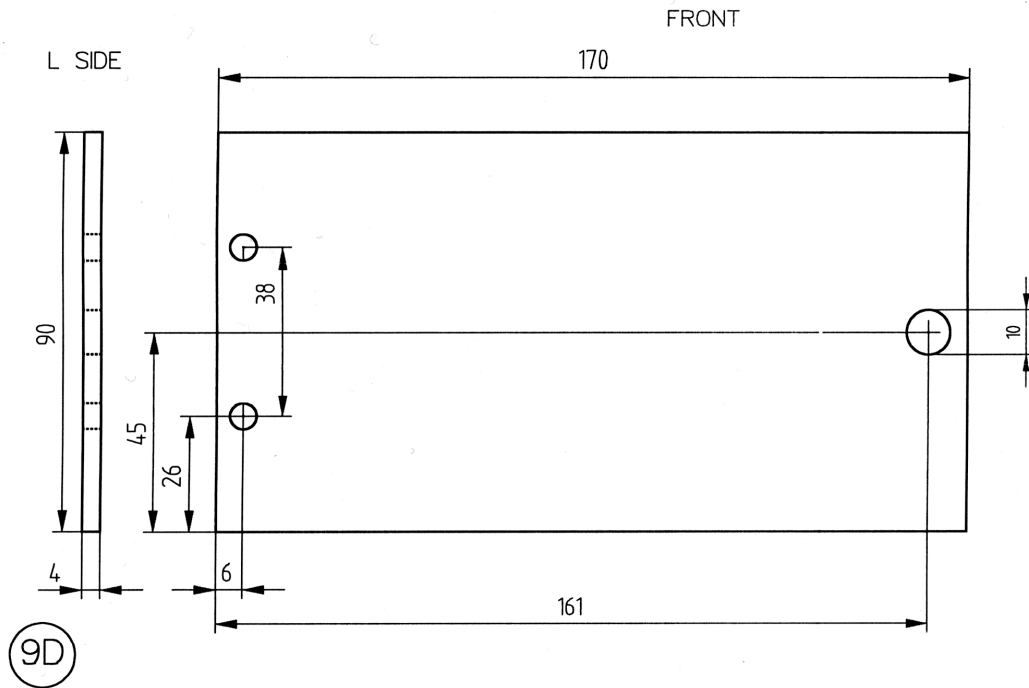
8D

ALL HOLES 6mm
UNLESS SPECIFIED

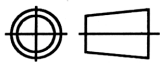
DR.17

SEDM
FOR THE HOME SHOP

ASSEMBLY D



2D PROJECTION



UNIT: mm

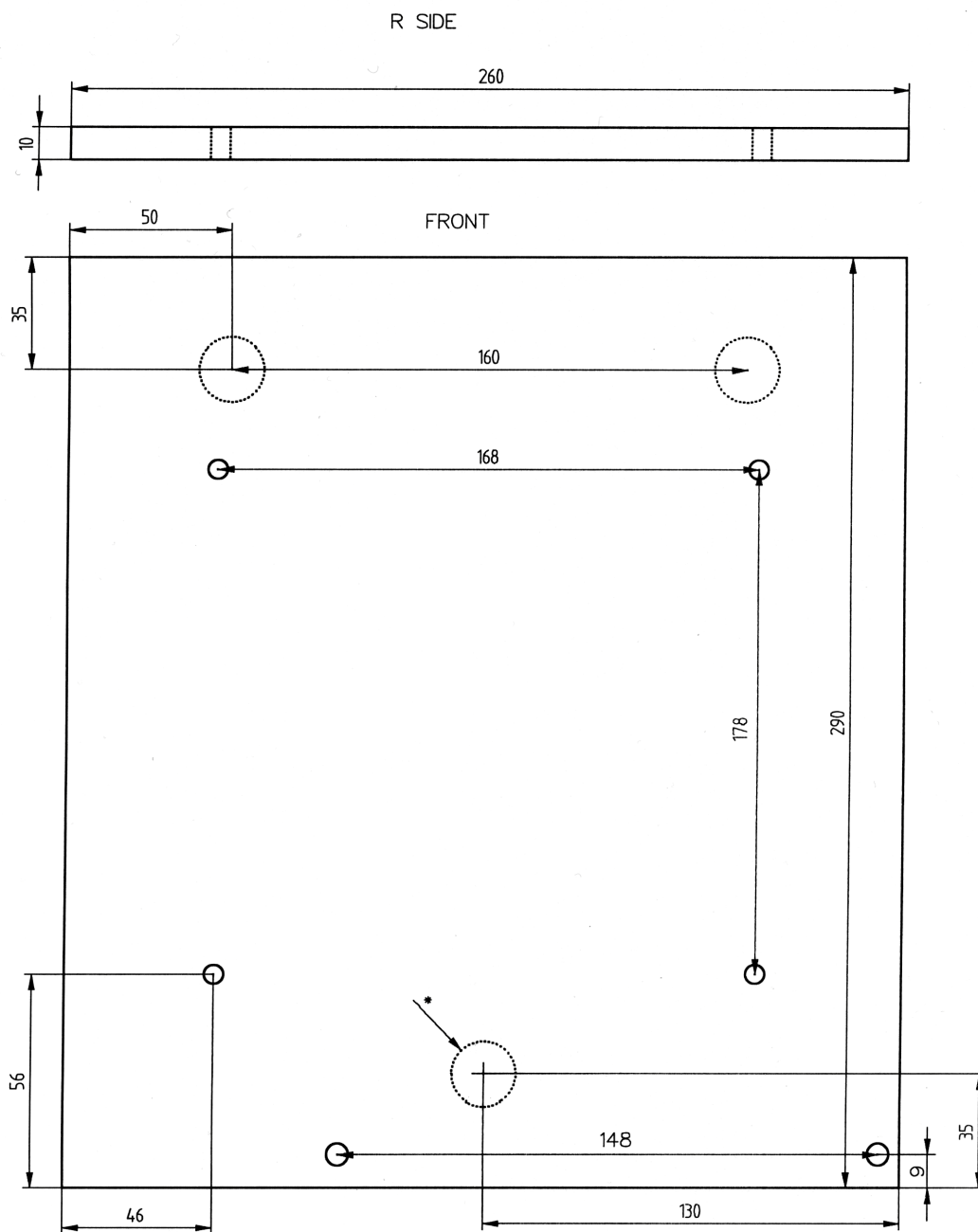
ALL HOLES 6mm
UNLESS SPECIFIED

DRAWING NOT
TO SCALE

DR.18

SEDM
FOR THE HOME SHOP

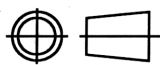
ASSEMBLY D



13D

* C12

2D PROJECTION



UNIT: mm

ALL HOLES 6mm
UNLESS SPECIFIED

DRAWING NOT
TO SCALE

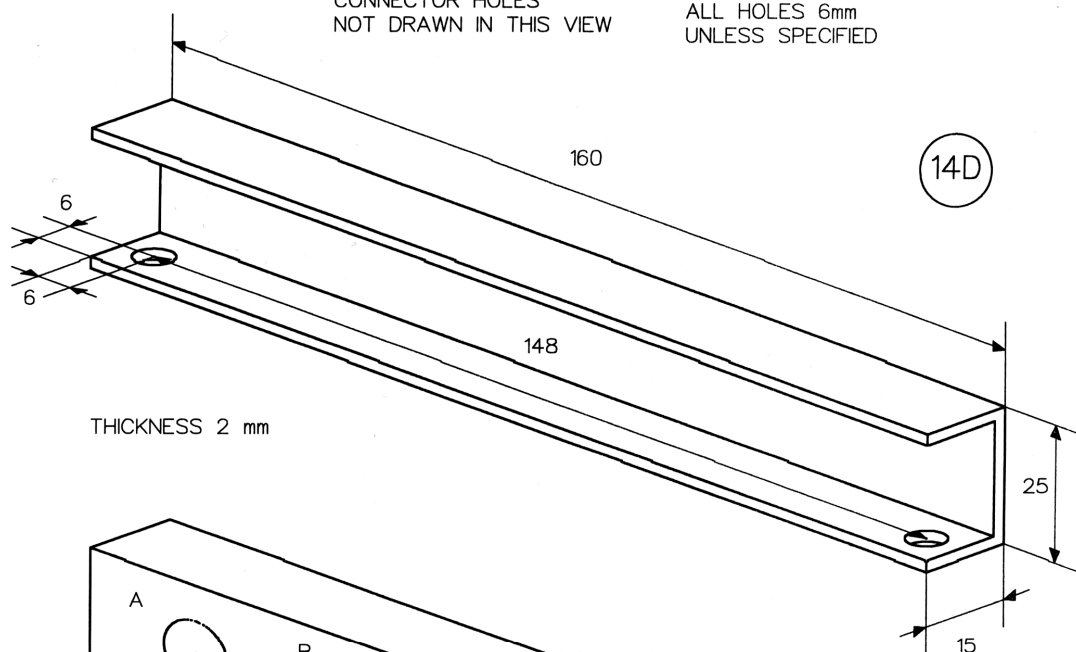
DR. 19

SEDM
FOR THE HOME SHOP

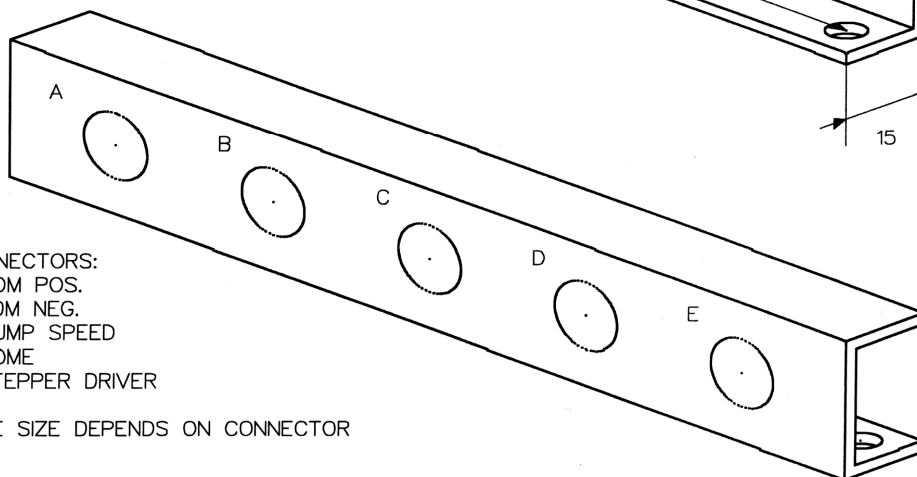
ASSEMBLY D

CONNECTOR HOLES
NOT DRAWN IN THIS VIEW

ALL HOLES 6mm
UNLESS SPECIFIED

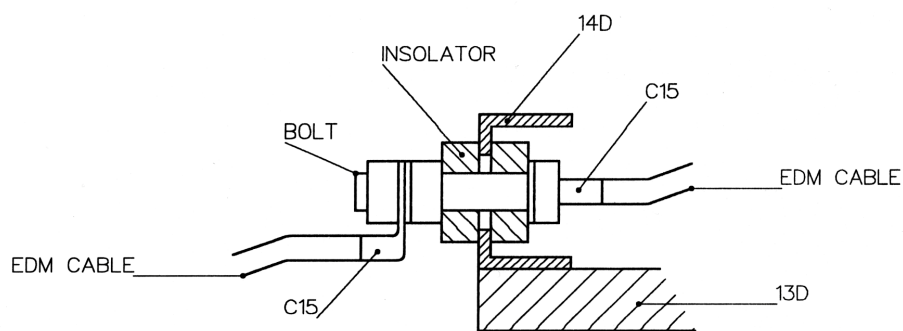


THICKNESS 2 mm



CONNECTORS:
A EDM POS.
B EDM NEG.
C PUMP SPEED
D HOME
E STEPPER DRIVER

HOLE SIZE DEPENDS ON CONNECTOR

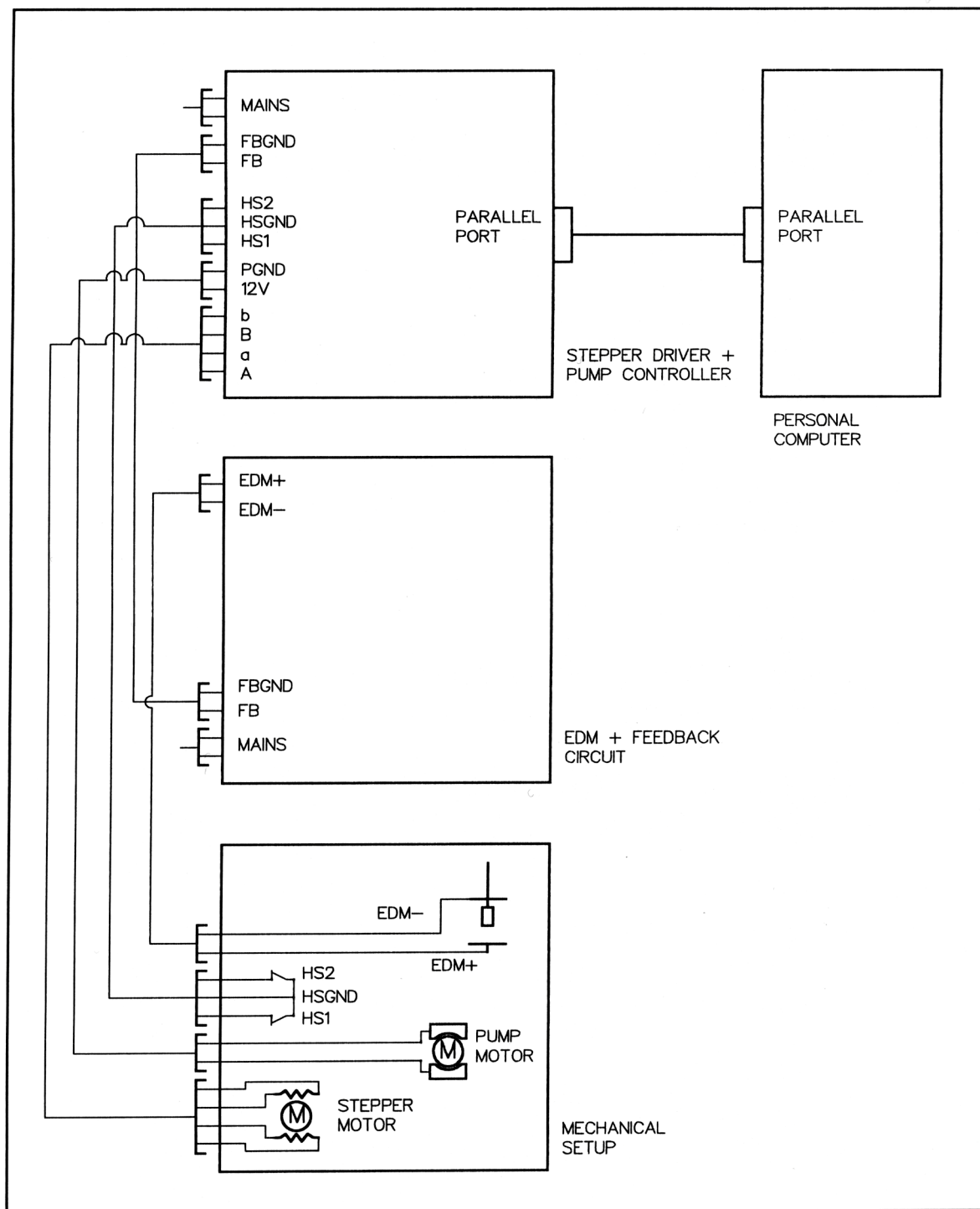


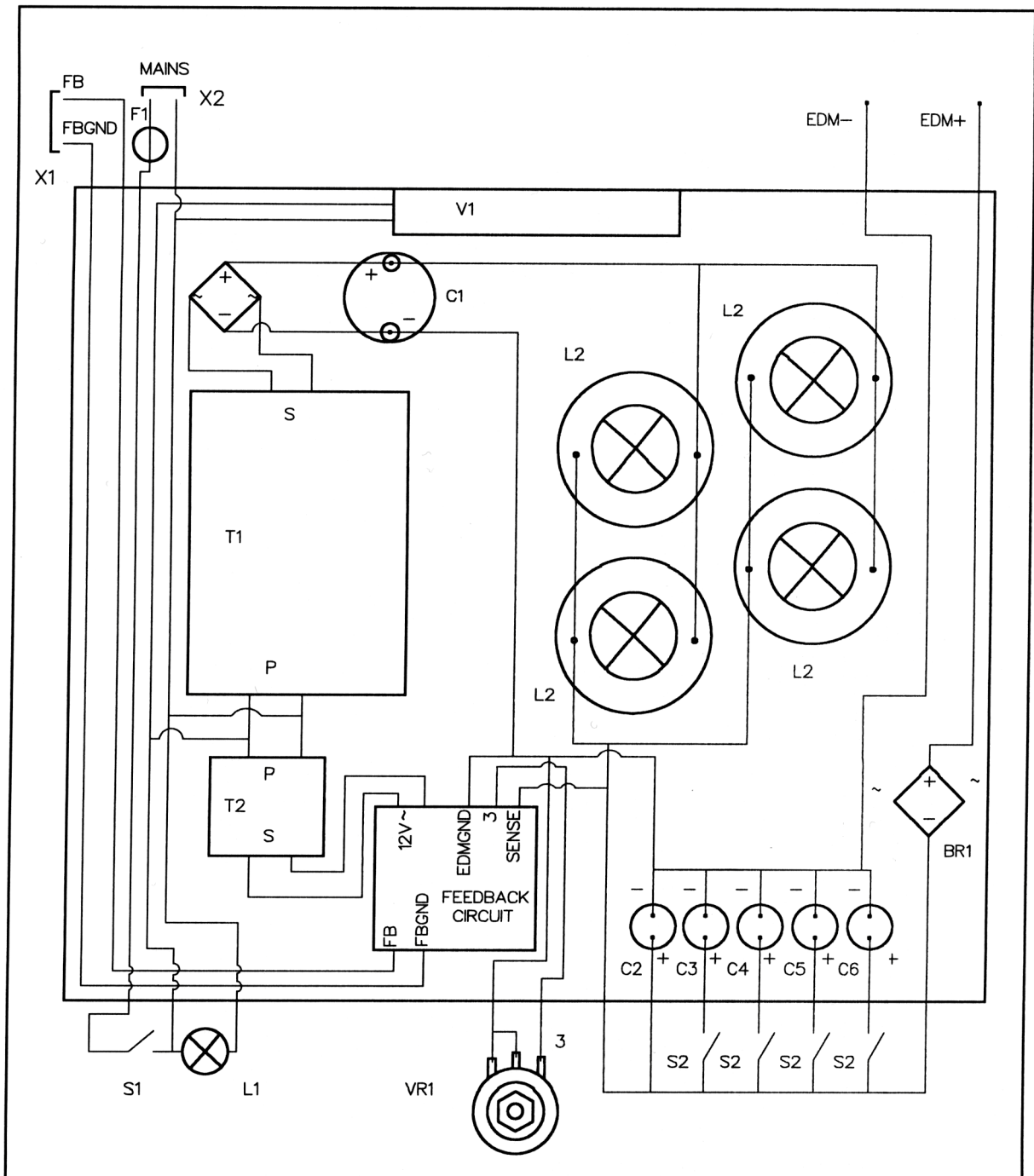
CROSS-SECTION
EDM CONNECTOR

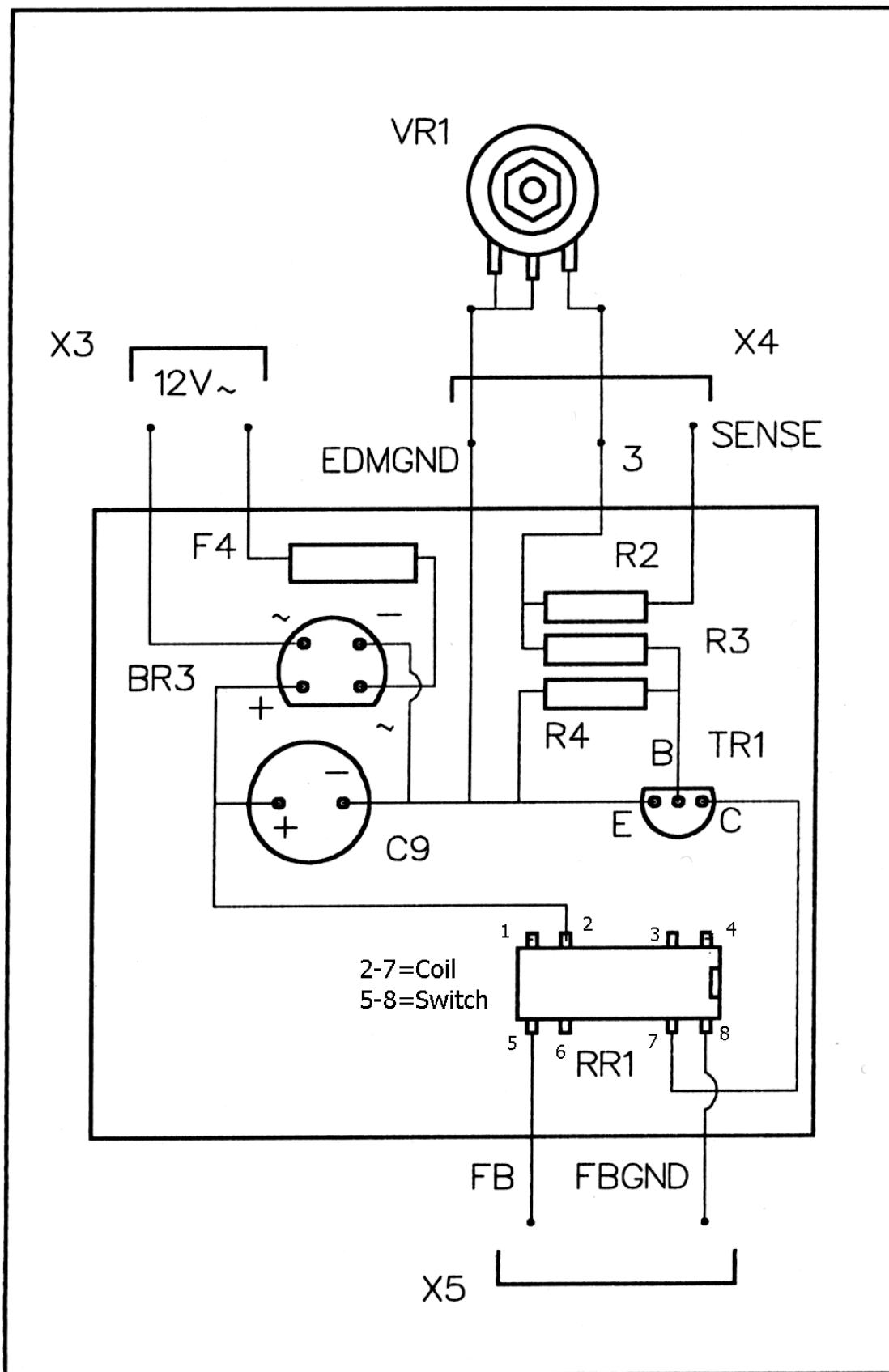
UNIT: mm

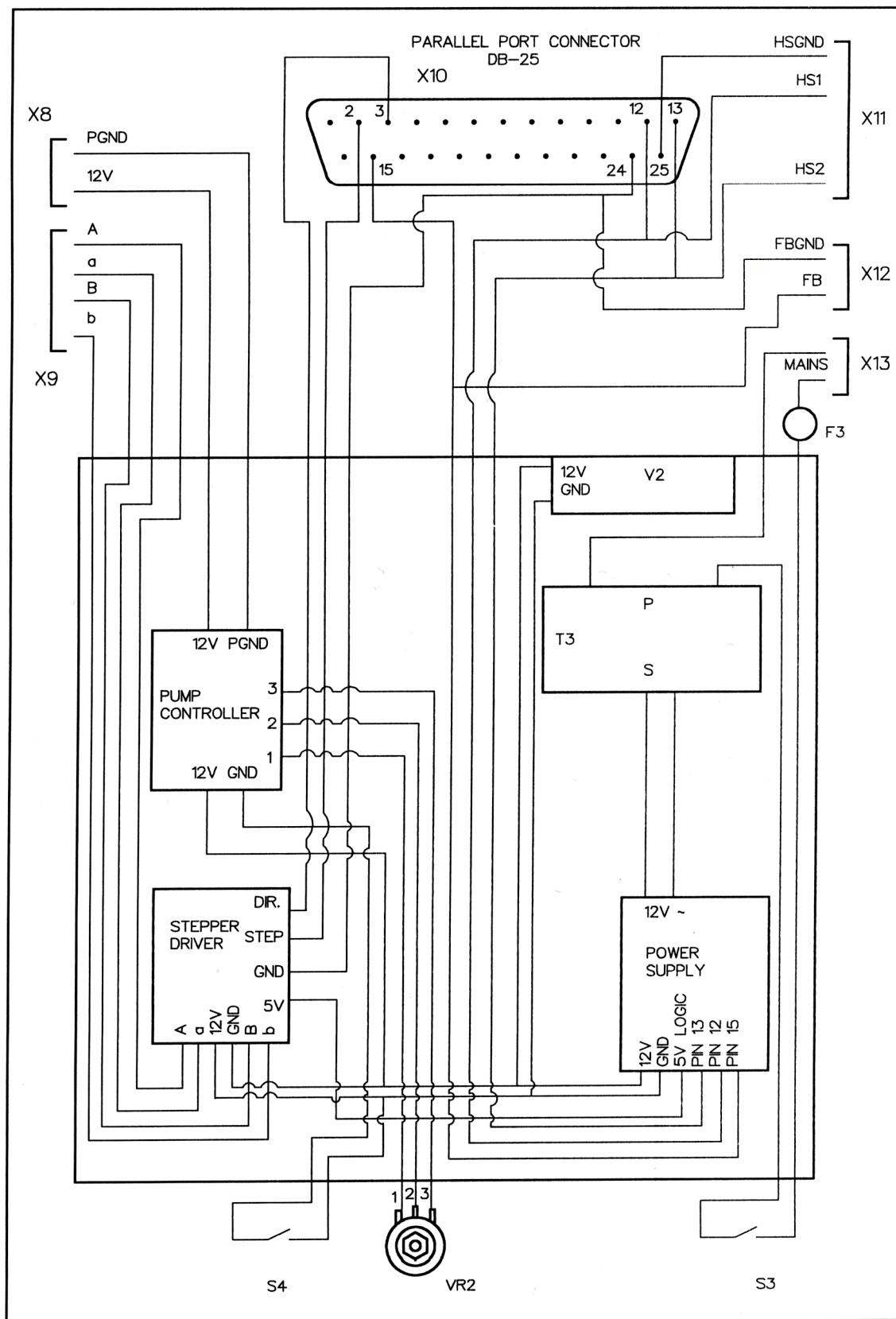
DRAWING NOT
TO SCALE

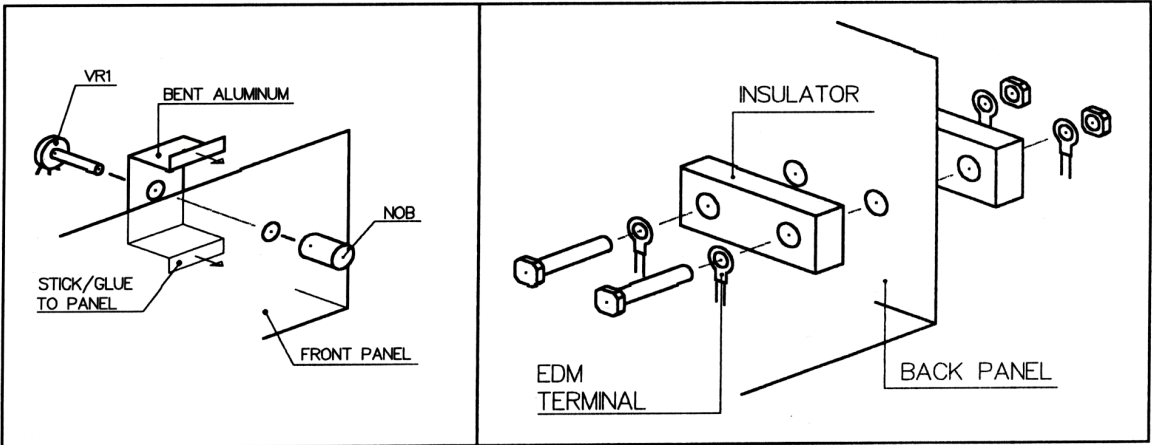
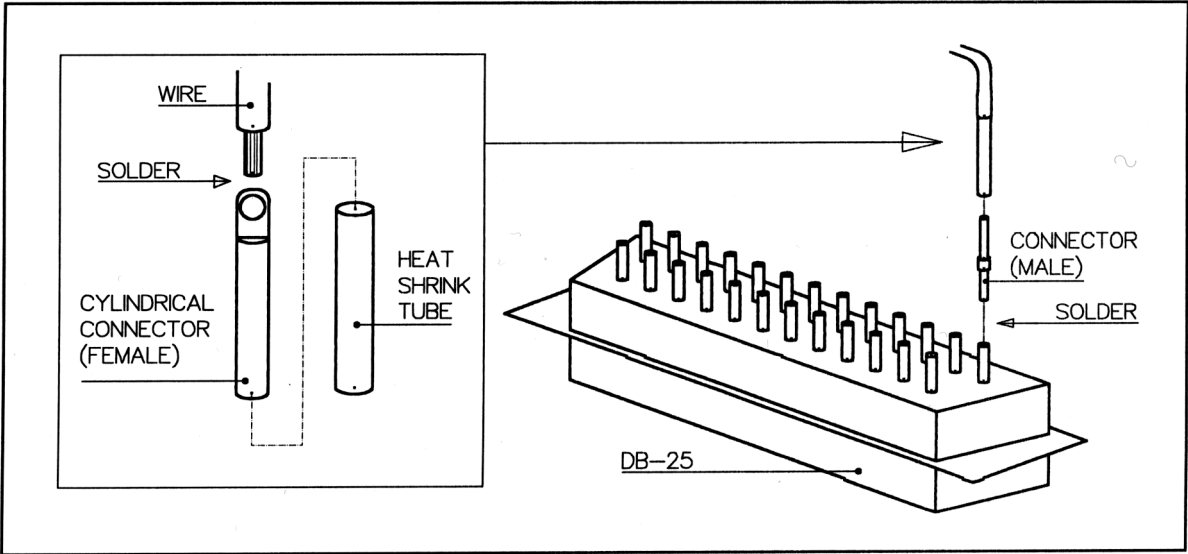
DR.20

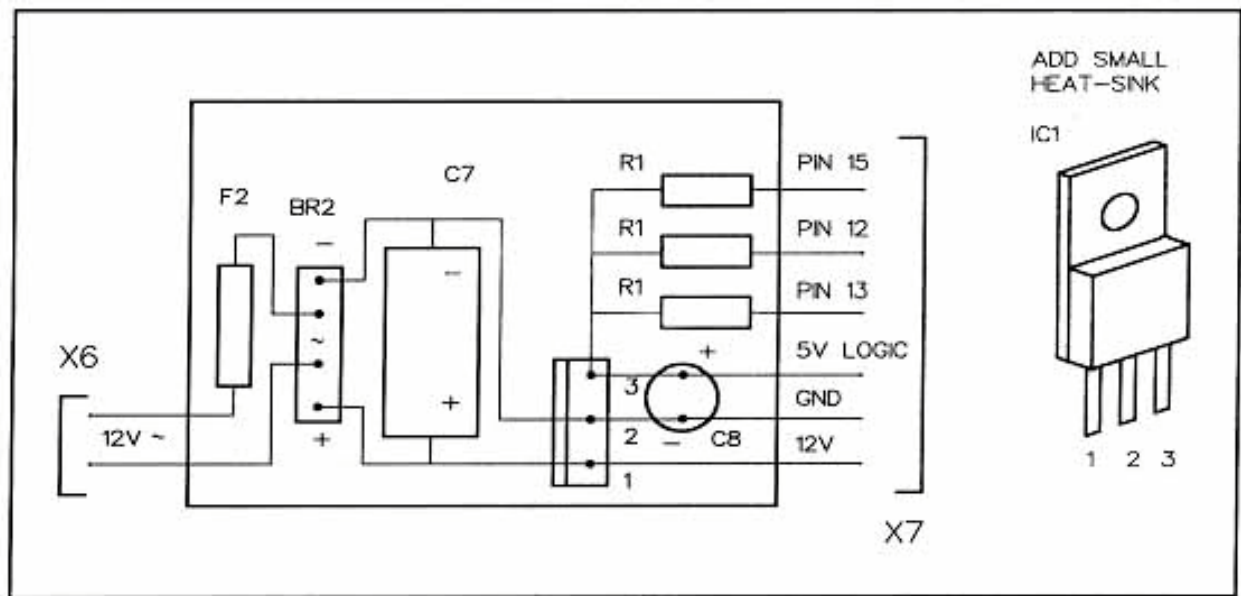












END.