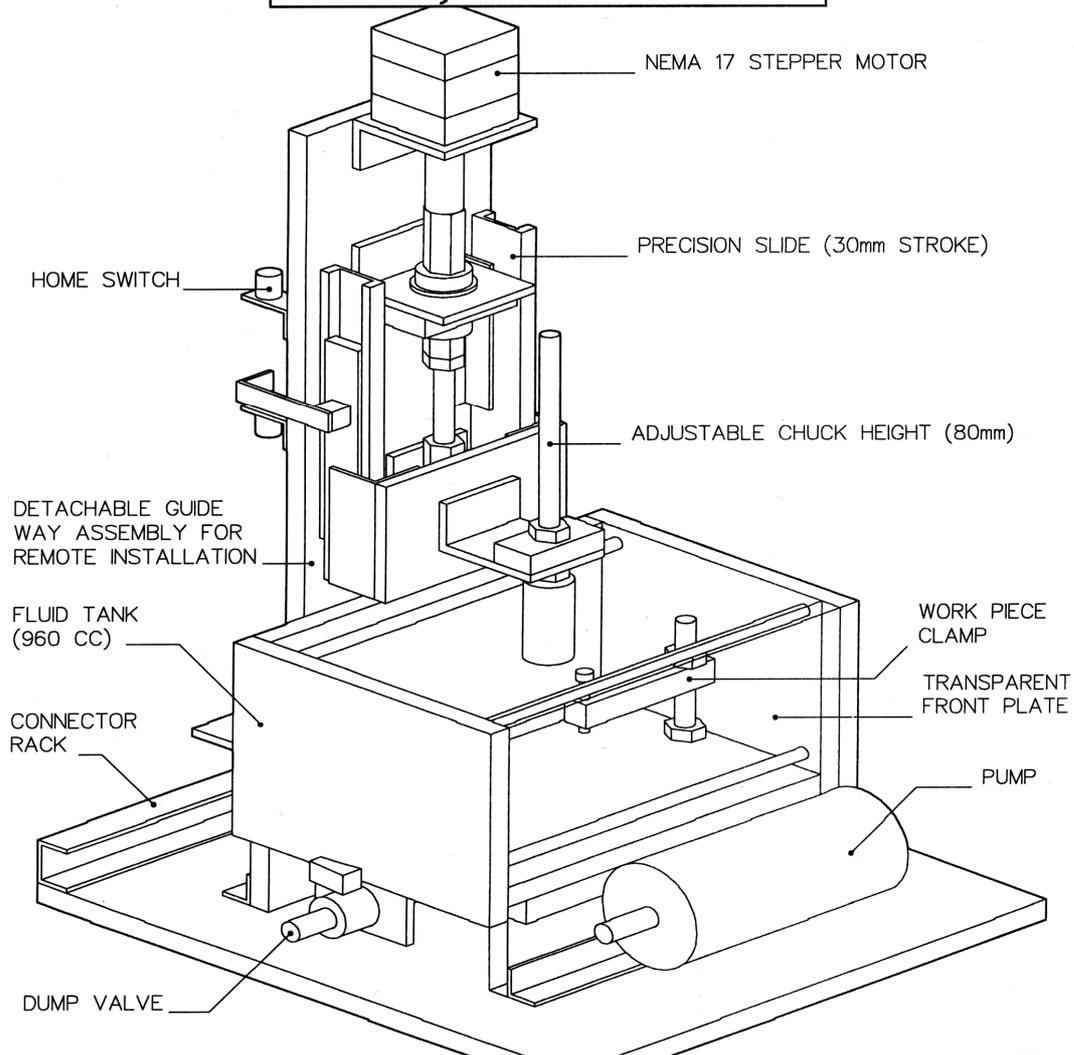


S-EDM

For The Home Shop

Proved By Practice Publications



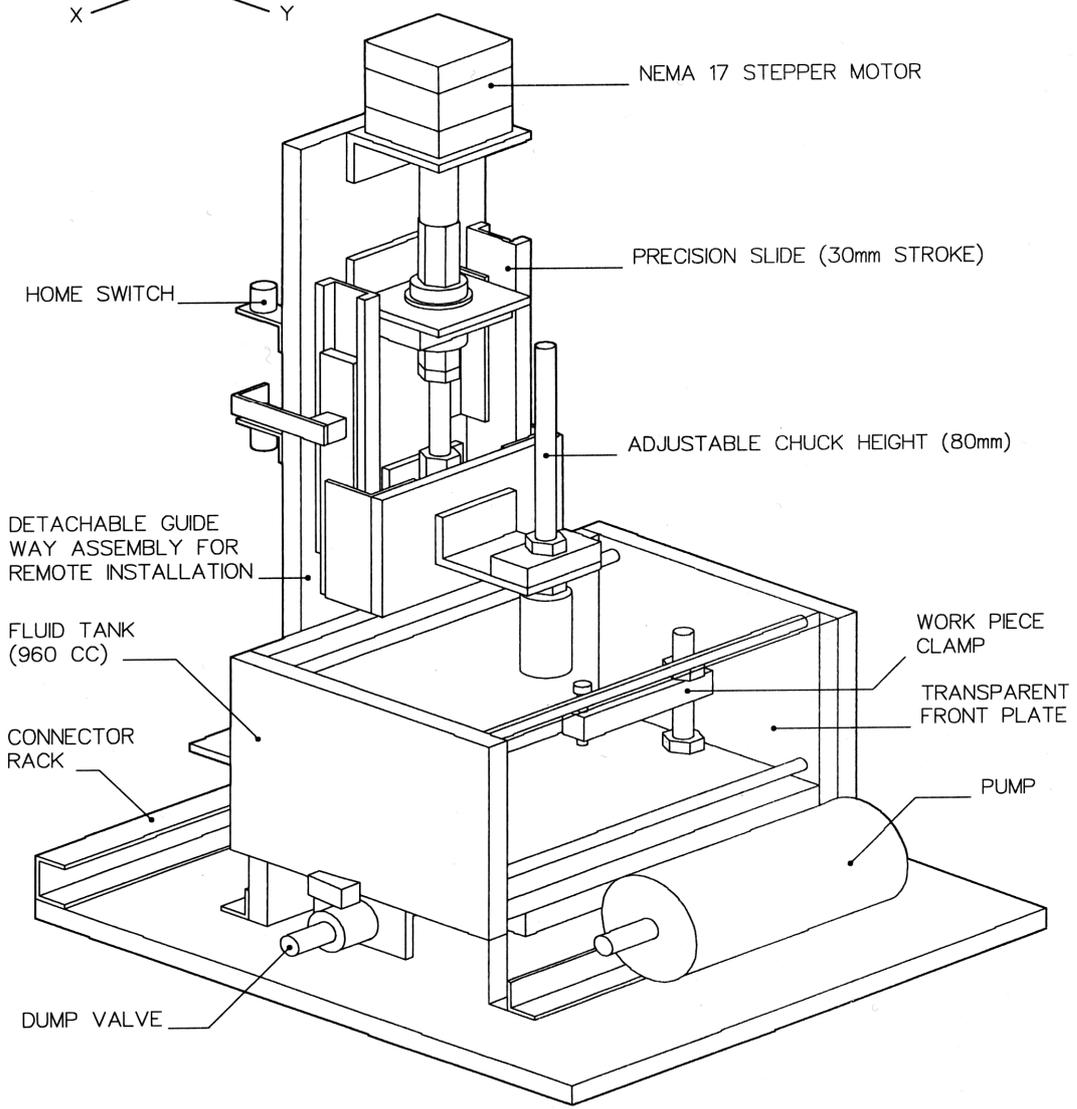
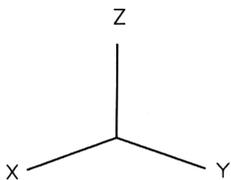
A Manual for the Creation of a Desk Top Sized CNC SEDM Unit

Version 1.0

Includes Software

SEDM
FOR THE HOME SHOP

MECHANICAL SETUP



NOT ALL PARTS
& COMPONENTS
SHOWN

DRAWING NOT TO SCALE	DR.1
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SEDM
FOR THE HOME SHOP

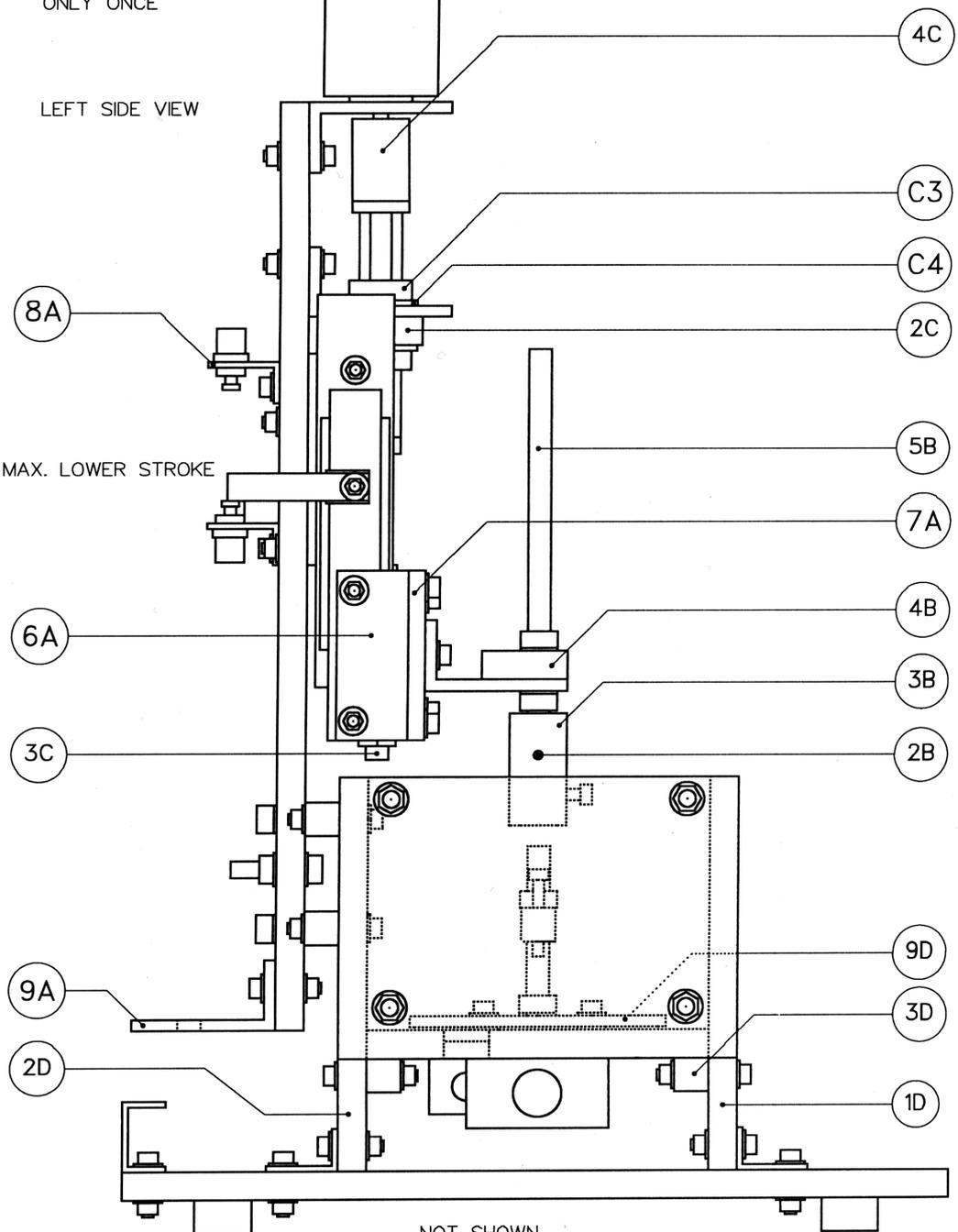
MECHANICAL SETUP

SAME PARTS &
COMPONENTS IDENTIFIED
ONLY ONCE

NOT ALL DETAIL SHOWN

LEFT SIDE VIEW

MAX. LOWER STROKE



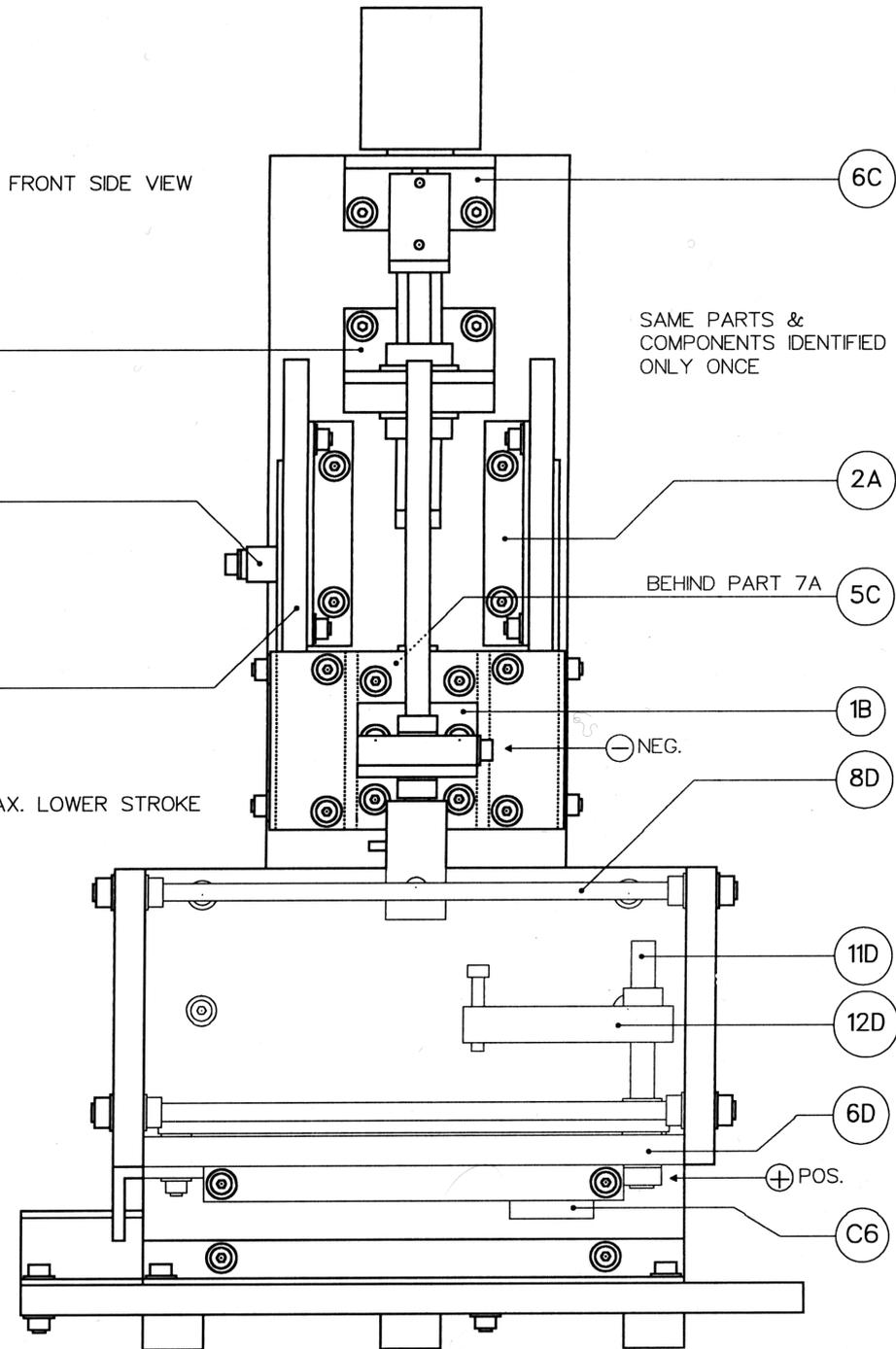
NOT SHOWN
-PUMP
-VALVE
-CABLE
-PLUMBING
-CONNECTORS

DRAWING NOT
TO SCALE

DR. 2

SEDM
FOR THE HOME SHOP

MECHANICAL SETUP



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

NOT ALL DETAIL SHOWN

DRAWING NOT
TO SCALE

DR.3

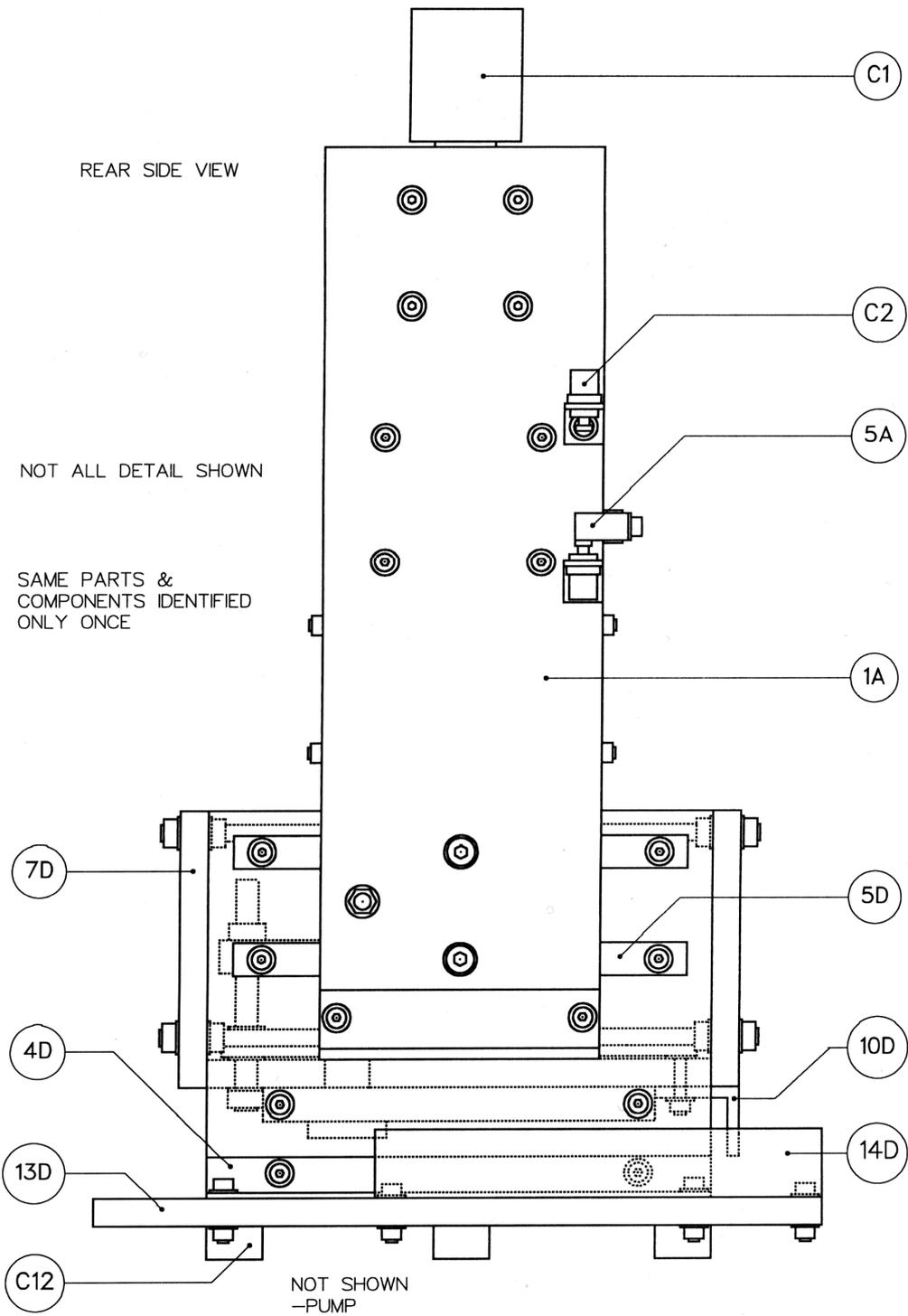
SEDM
FOR THE HOME SHOP

MECHANICAL SETUP

REAR SIDE VIEW

NOT ALL DETAIL SHOWN

SAME PARTS &
COMPONENTS IDENTIFIED
ONLY ONCE



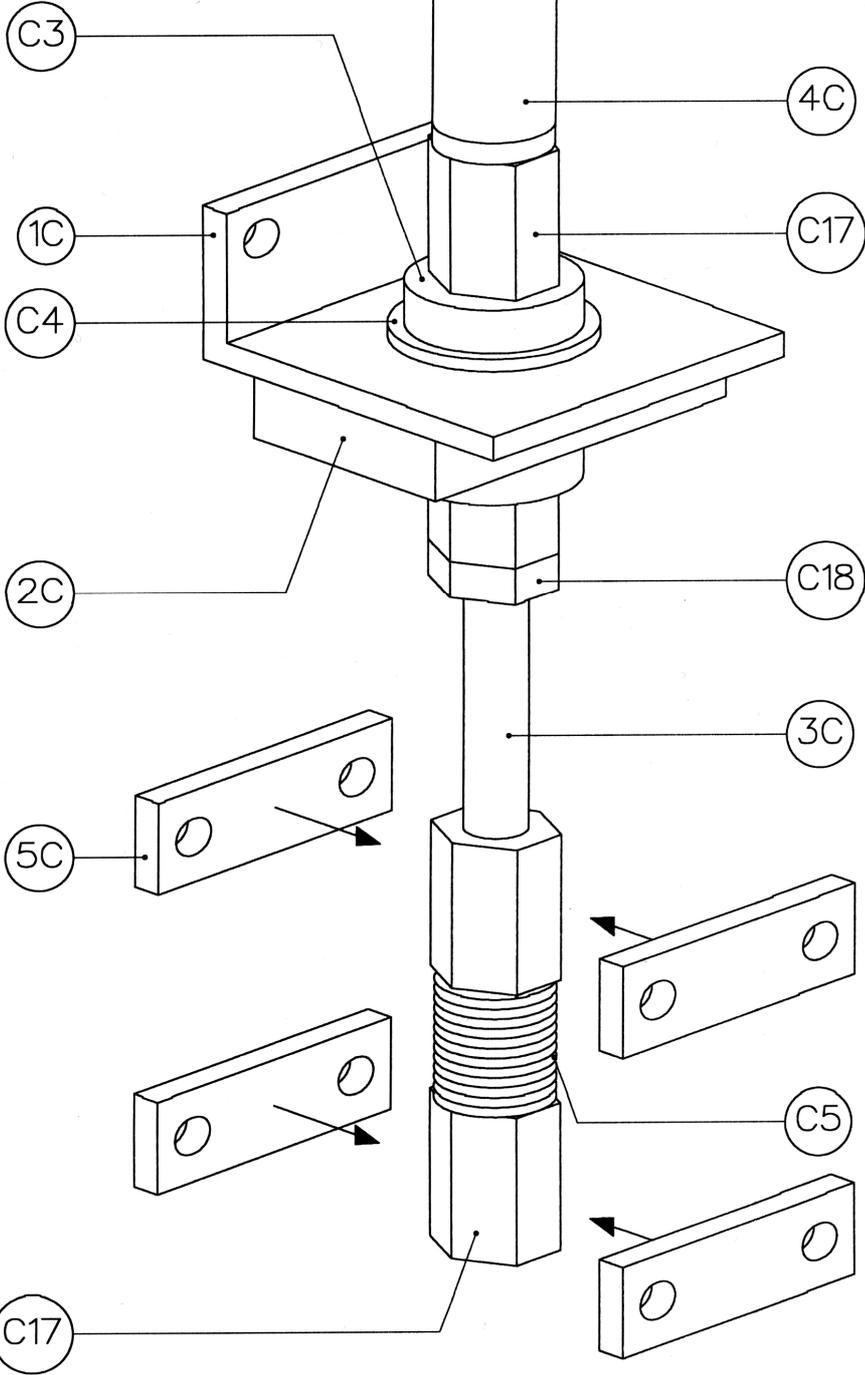
NOT SHOWN
-PUMP
-VALVE
-CABLE
-PLUMBING
-CONNECTORS

DRAWING NOT
TO SCALE

DR. 4

SEDM
FOR THE HOME SHOP

CLOSE UP OF
ASSEMBLY C



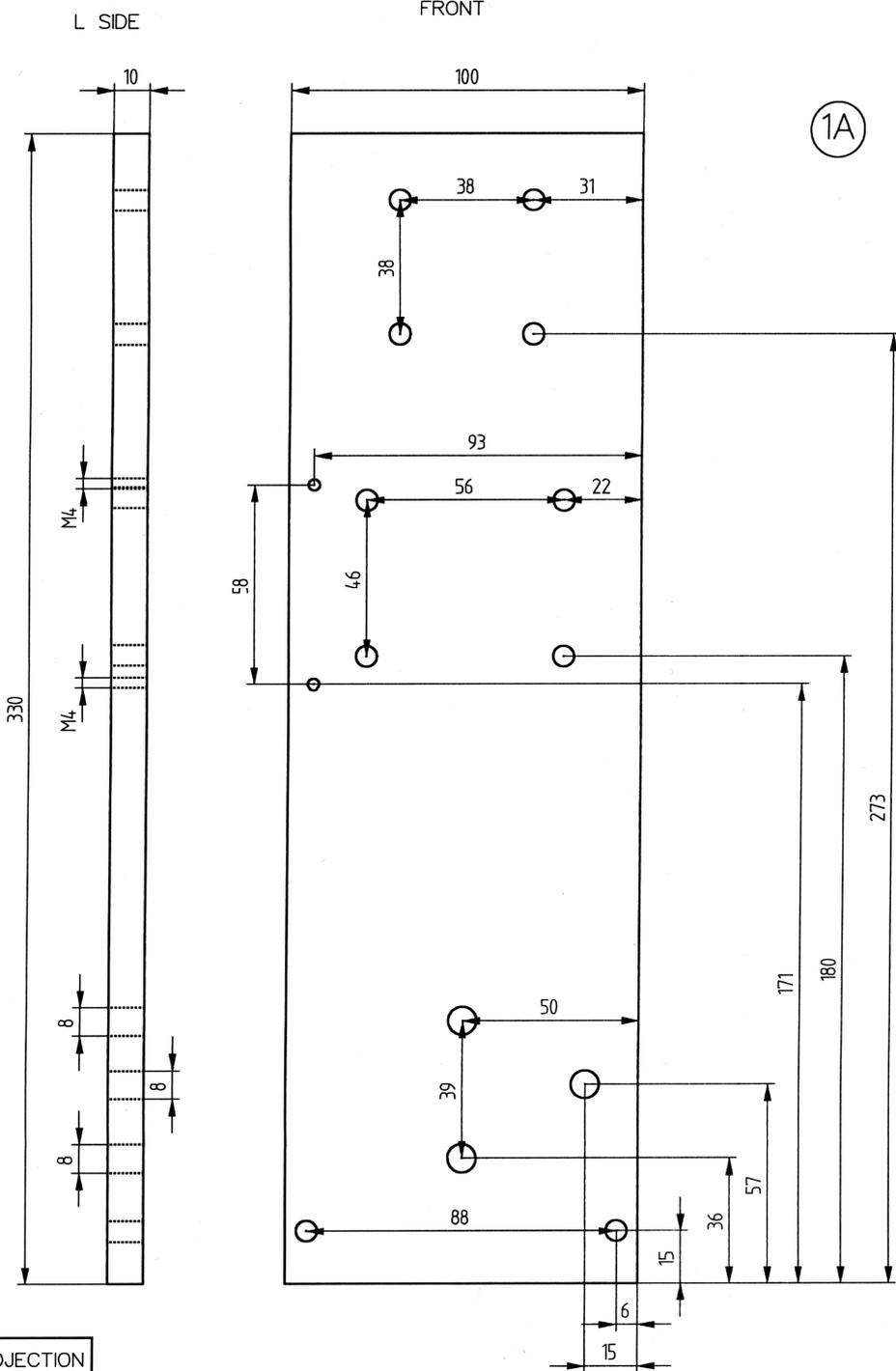
SAME PARTS &
COMPONENTS IDENTIFIED
ONLY ONCE

DRAWING NOT
TO SCALE

DR. 5

SEDM
FOR THE HOME SHOP

ASSEMBLY A



2D PROJECTION

UNIT: mm

ALL HOLES 6mm
UNLESS SPECIFIED

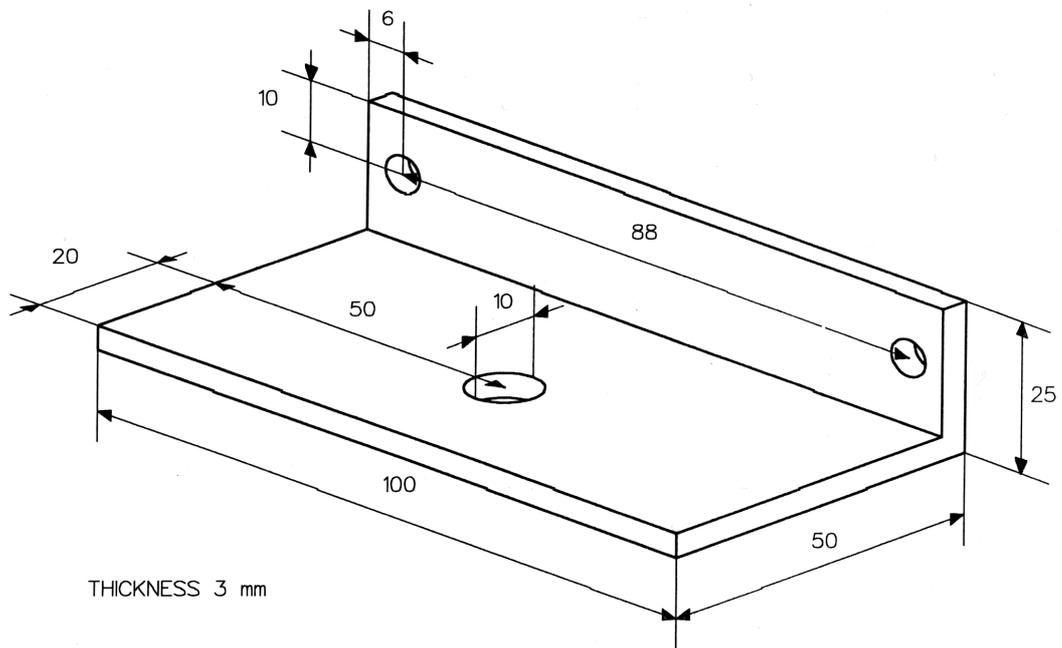
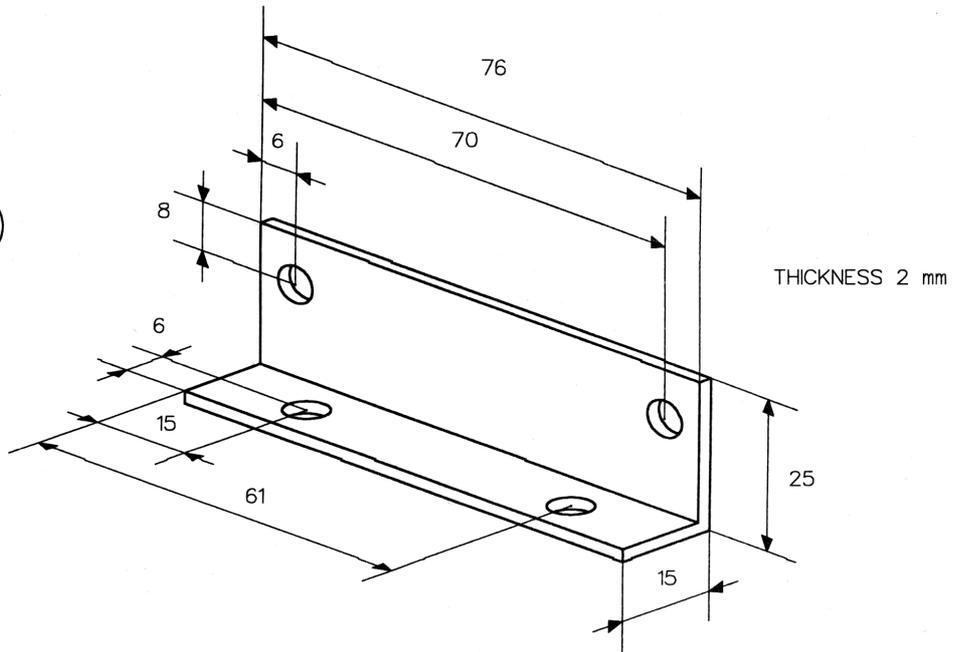
DRAWING NOT
TO SCALE

DR. 6

SEDM
FOR THE HOME SHOP

ASSEMBLY A

2A



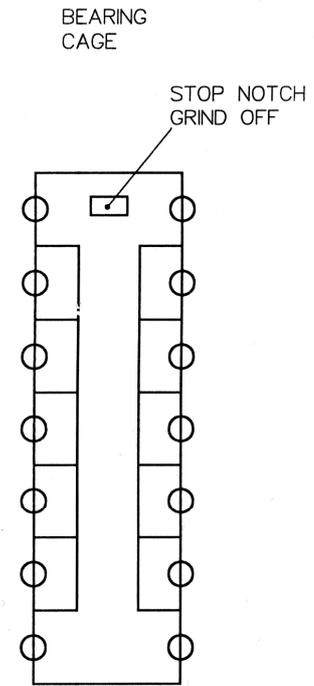
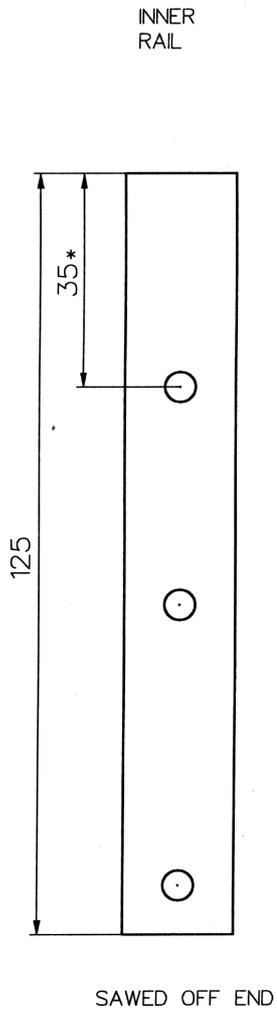
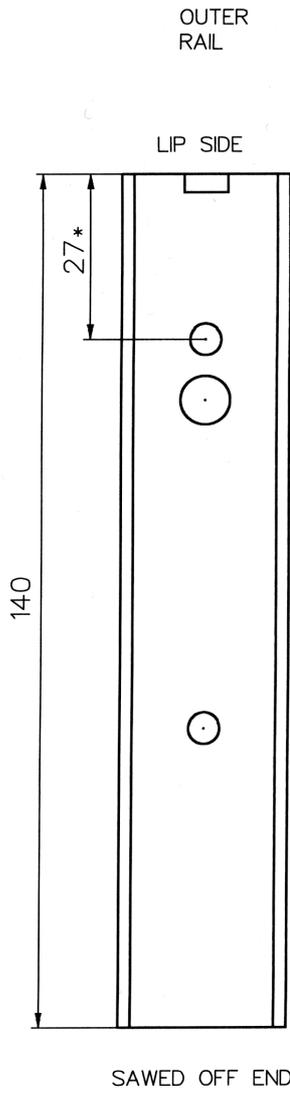
9A

UNIT: mm

ALL HOLES 6mm
UNLESS SPECIFIED

DRAWING NOT
TO SCALE

DR. 7



3A

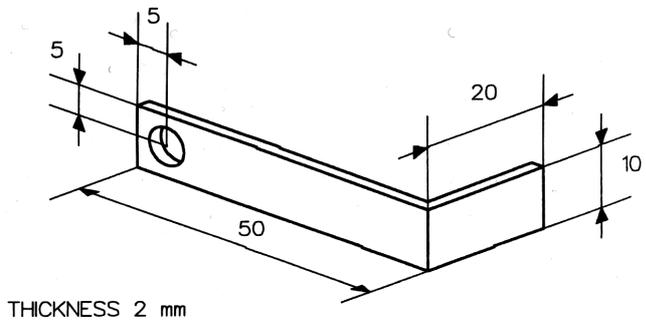
2D PROJECTION

UNIT: mm

* LISTED FOR ORIENTATION
PURPOSES

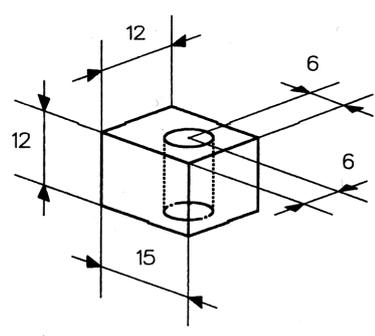
DRAWING NOT TO SCALE	DR.8
-------------------------	------

5A

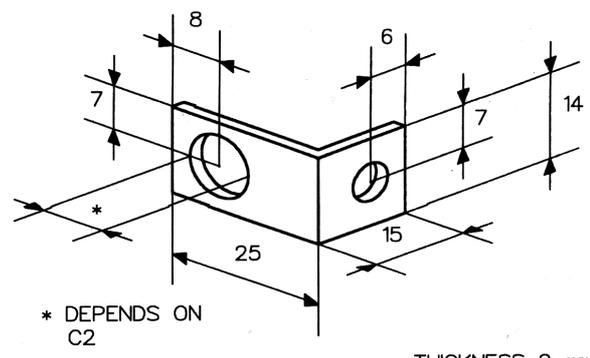


ALL HOLES 6mm
UNLESS SPECIFIED

4A



8A



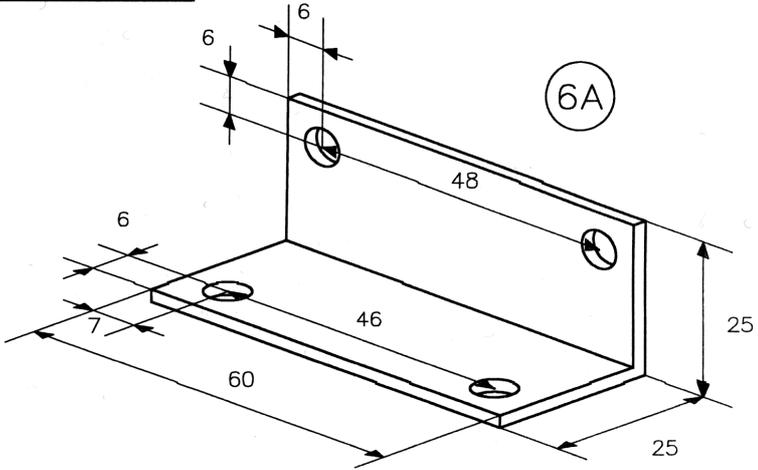
UNIT: mm

DRAWING NOT
TO SCALE

DR. 9

SEDM
FOR THE HOME SHOP

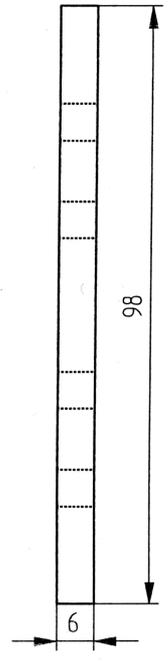
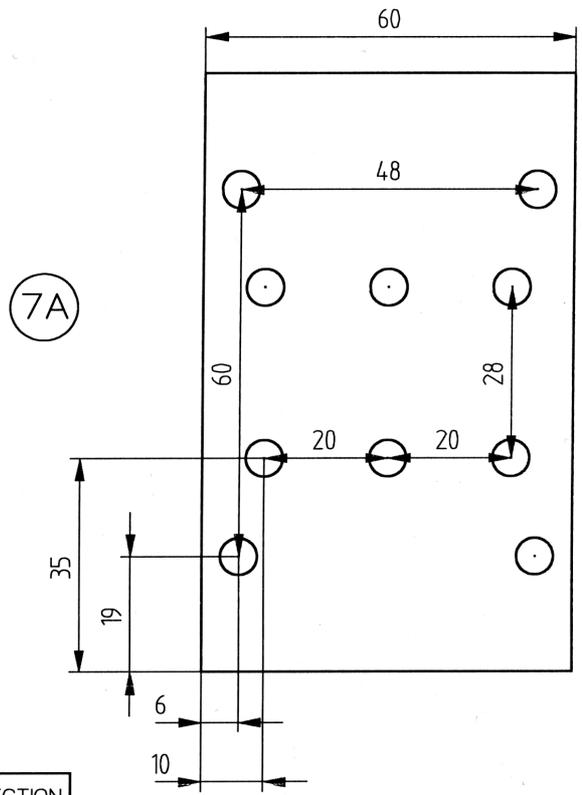
ASSEMBLY A



THICKNESS 2 mm

FRONT

R SIDE



2D PROJECTION

UNIT: mm

ALL HOLES 6mm
UNLESS SPECIFIED

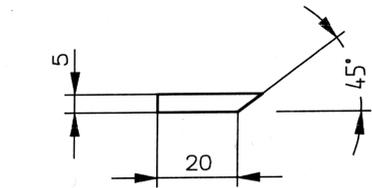
DRAWING NOT
TO SCALE

DR. 10

SEDM
FOR THE HOME SHOP

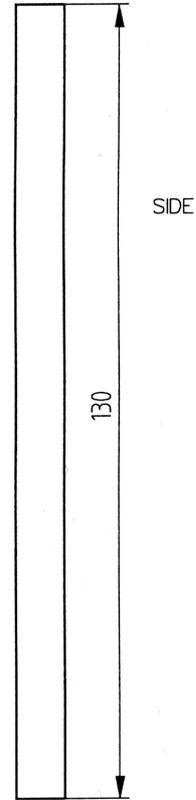
ASSEMBLY B

R SIDE



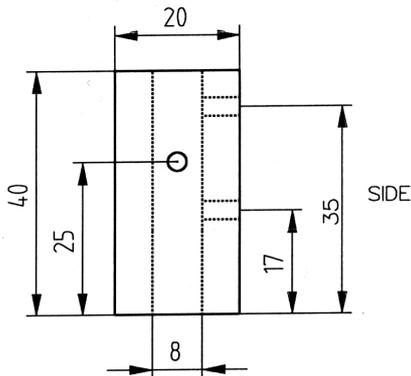
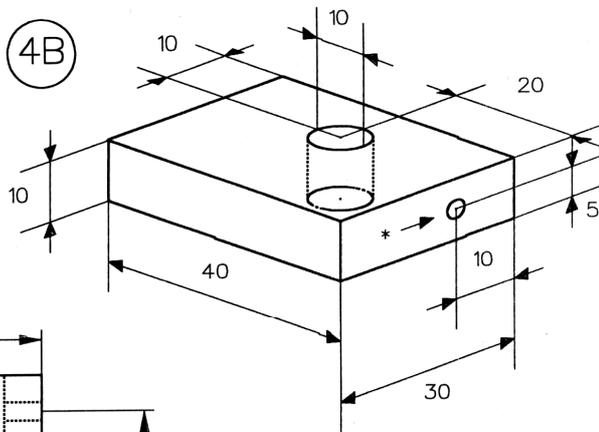
(2B)

(5B)

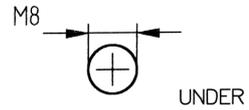


(4B)

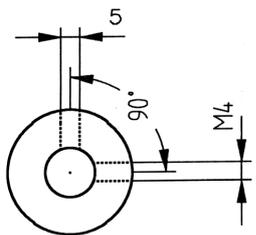
* M4, DEPTH
10mm



ALL HOLES 6mm
UNLESS SPECIFIED

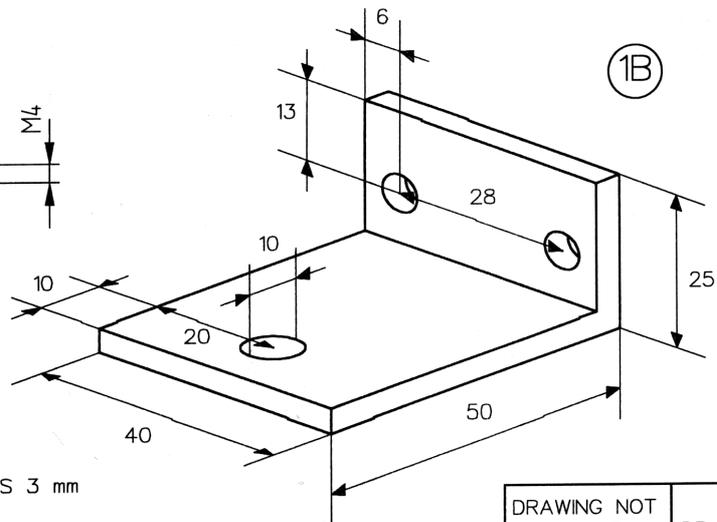


(3B)

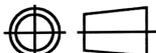


UNDER

(1B)



2D PROJECTION



UNIT: mm

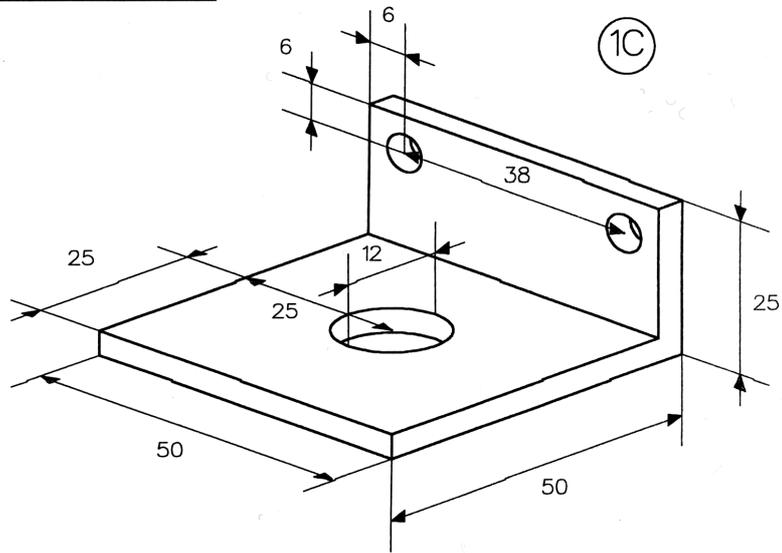
THICKNESS 3 mm

DRAWING NOT
TO SCALE

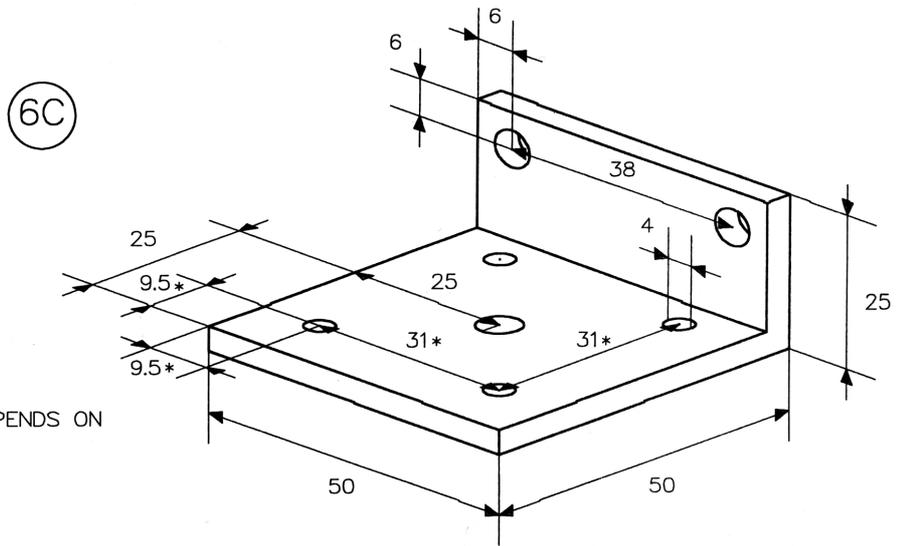
DR. 11

SEDM
FOR THE HOME SHOP

ASSEMBLY C



THICKNESS 3 mm



* DEPENDS ON
C1

THICKNESS 3 mm

ALL HOLES 6mm
UNLESS SPECIFIED

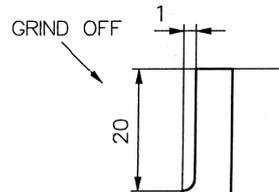
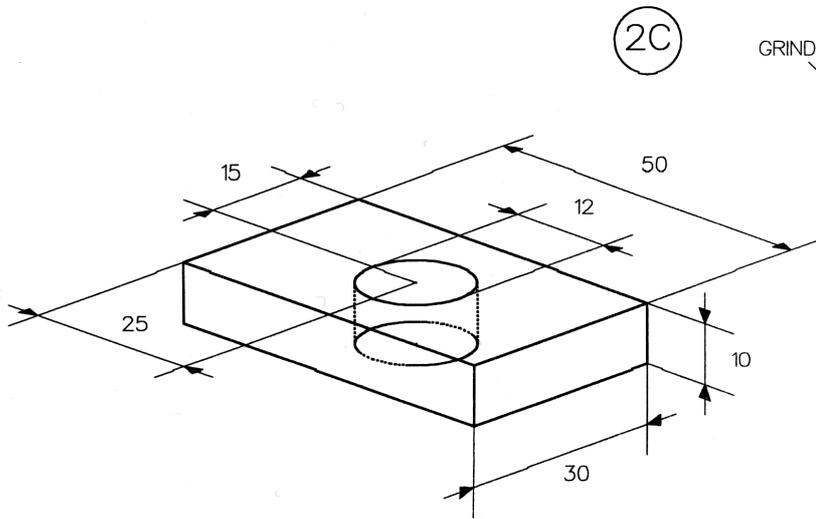
UNIT: mm

DRAWING NOT
TO SCALE

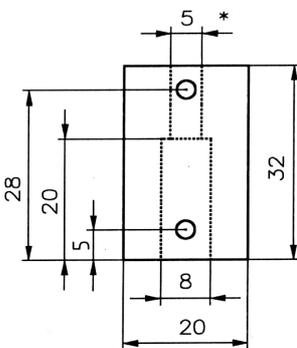
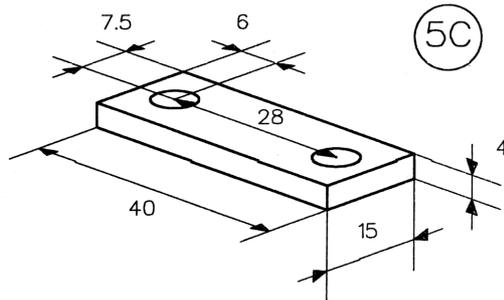
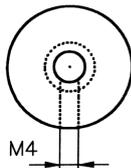
DR.12

SEDM
FOR THE HOME SHOP

ASSEMBLY C

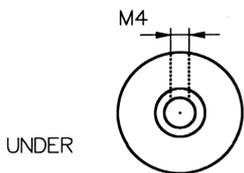


TOP



* DEPENDS ON C1
SHAFT SIZE

SIDE



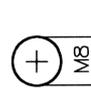
UNDER

4C

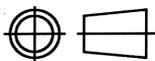
SIDE

3C

UNDER



2D PROJECTION



UNIT: mm

ALL HOLES 6mm
UNLESS SPECIFIED

DRAWING NOT
TO SCALE

DR.13

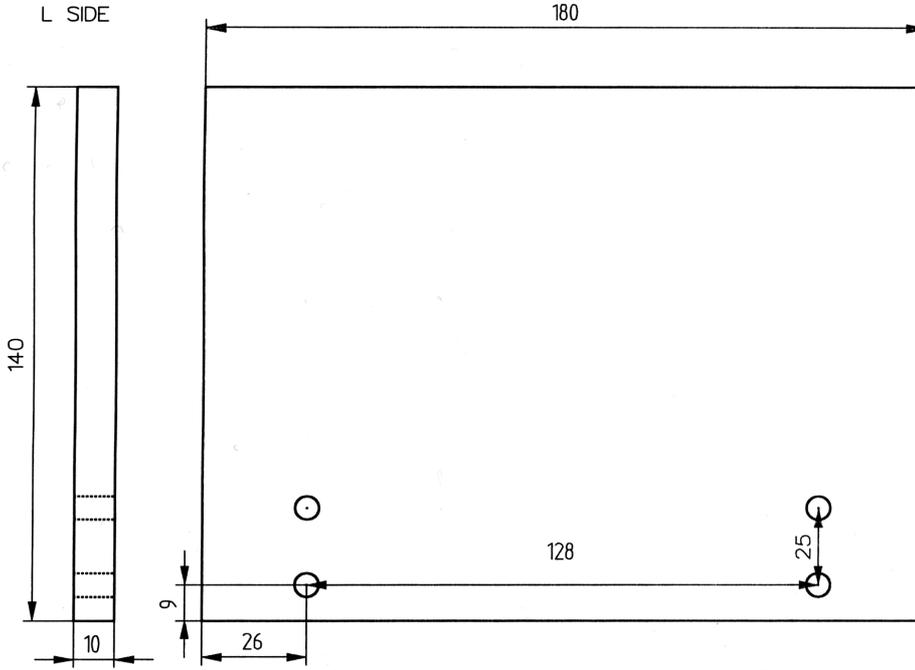
SEDM
FOR THE HOME SHOP

ASSEMBLY D

FRONT

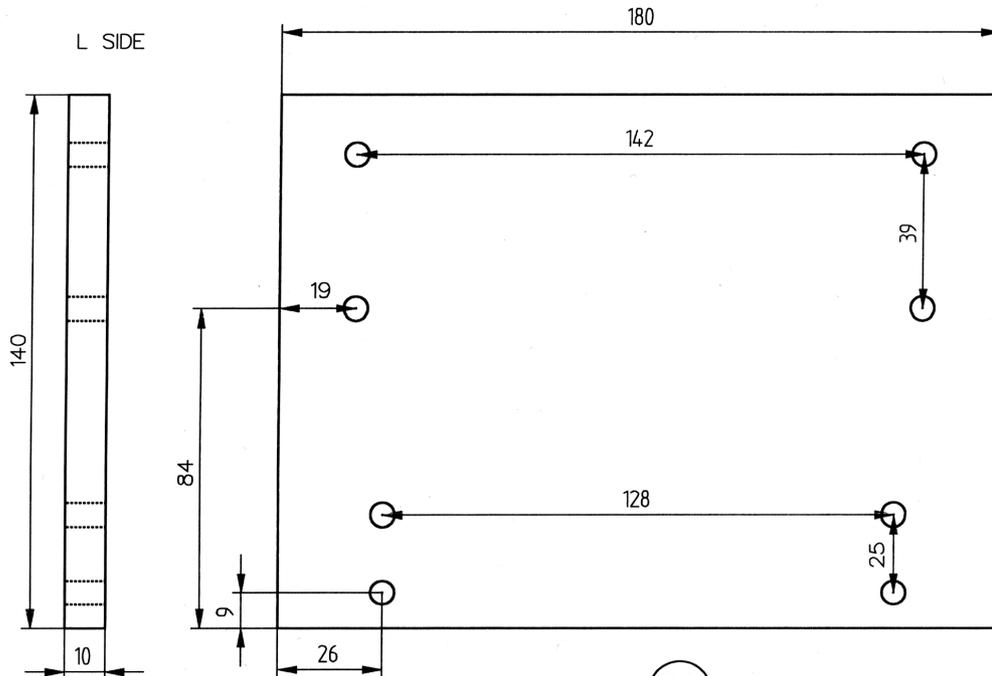
1D

L SIDE



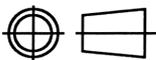
FRONT

L SIDE



2D

2D PROJECTION



UNIT: mm

ALL HOLES 6mm
UNLESS SPECIFIED

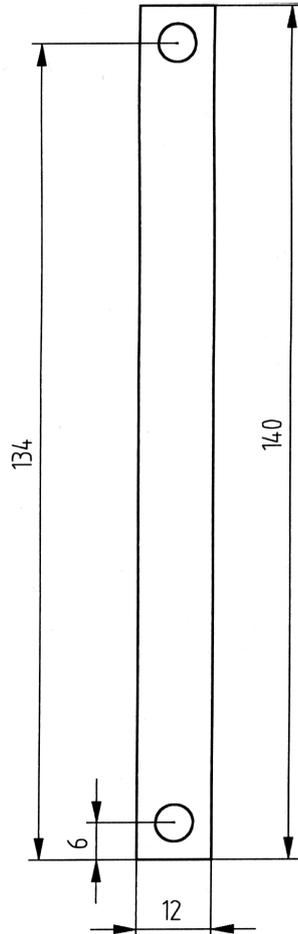
DRAWING NOT
TO SCALE

DR.14

SEDM
FOR THE HOME SHOP

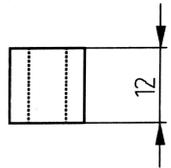
ASSEMBLY D

3D

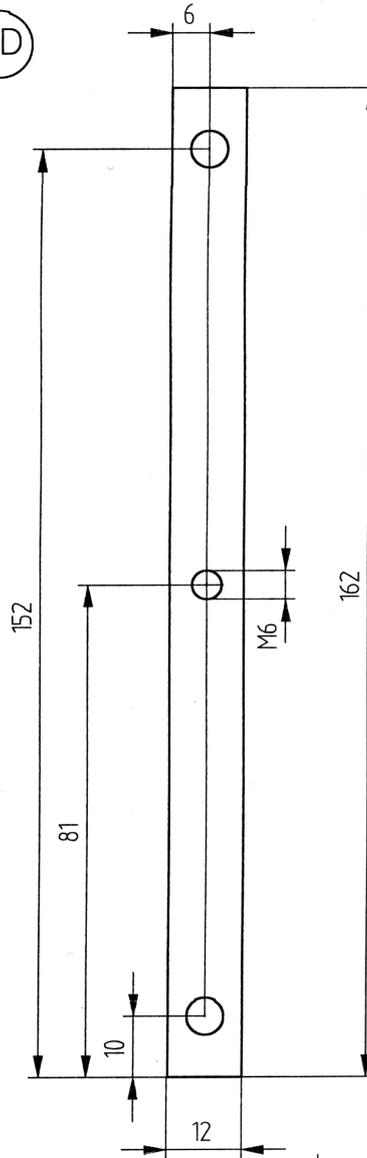


SIDE

UNDER

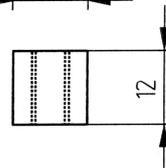


5D

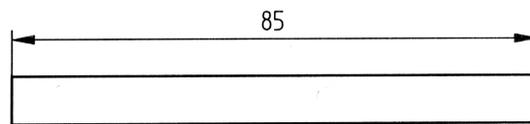


SIDE

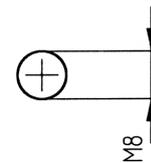
UNDER



11D

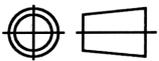


SIDE



UNDER

2D PROJECTION



UNIT: mm

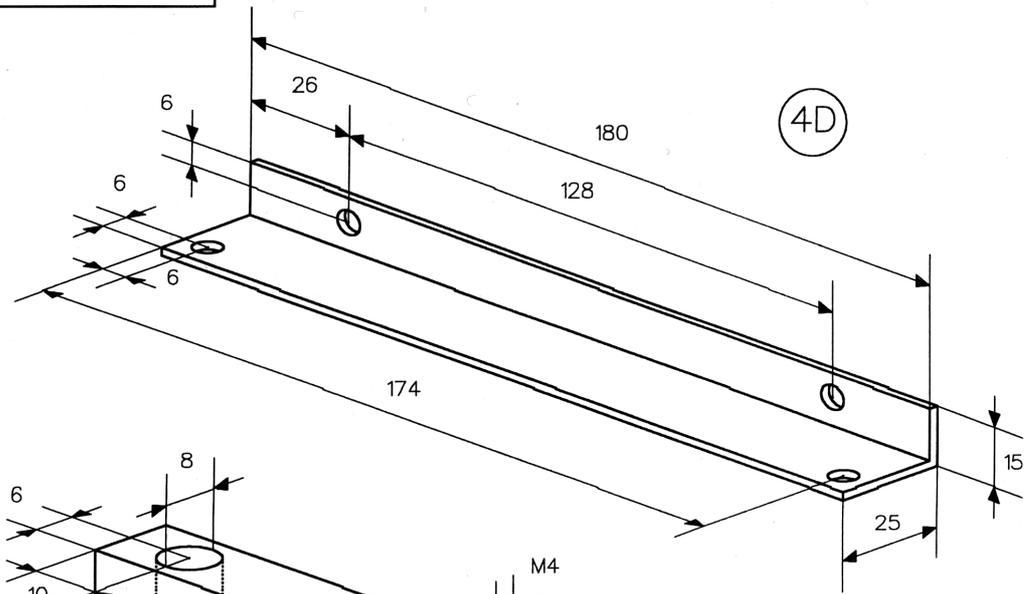
ALL HOLES 6mm
UNLESS SPECIFIED

DRAWING NOT
TO SCALE

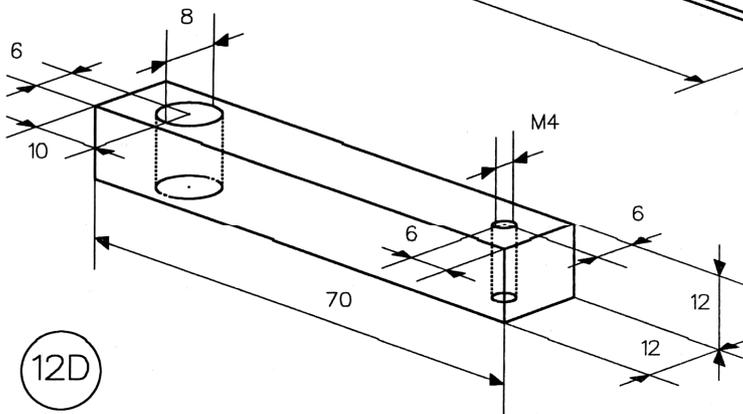
DR.15

SEDM
FOR THE HOME SHOP

ASSEMBLY D

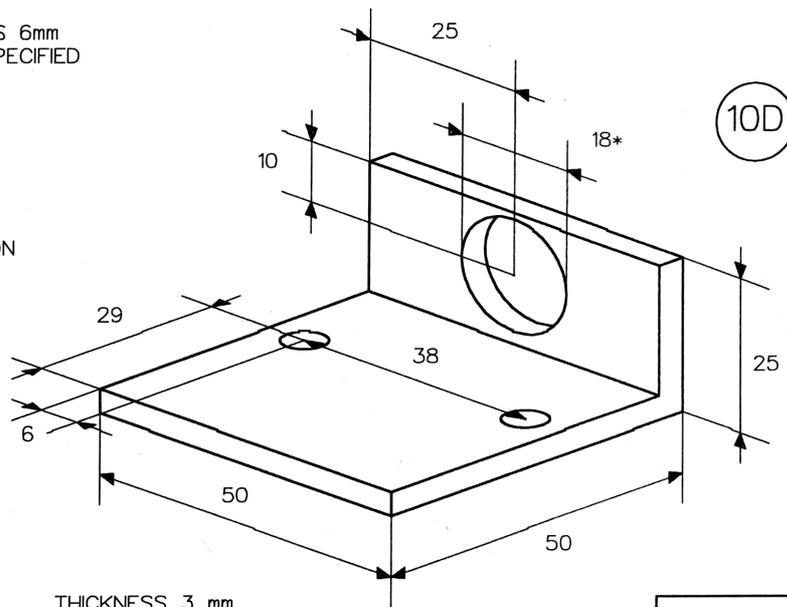


THICKNESS 2 mm



ALL HOLES 6mm
UNLESS SPECIFIED

* DEPENDS ON
C8

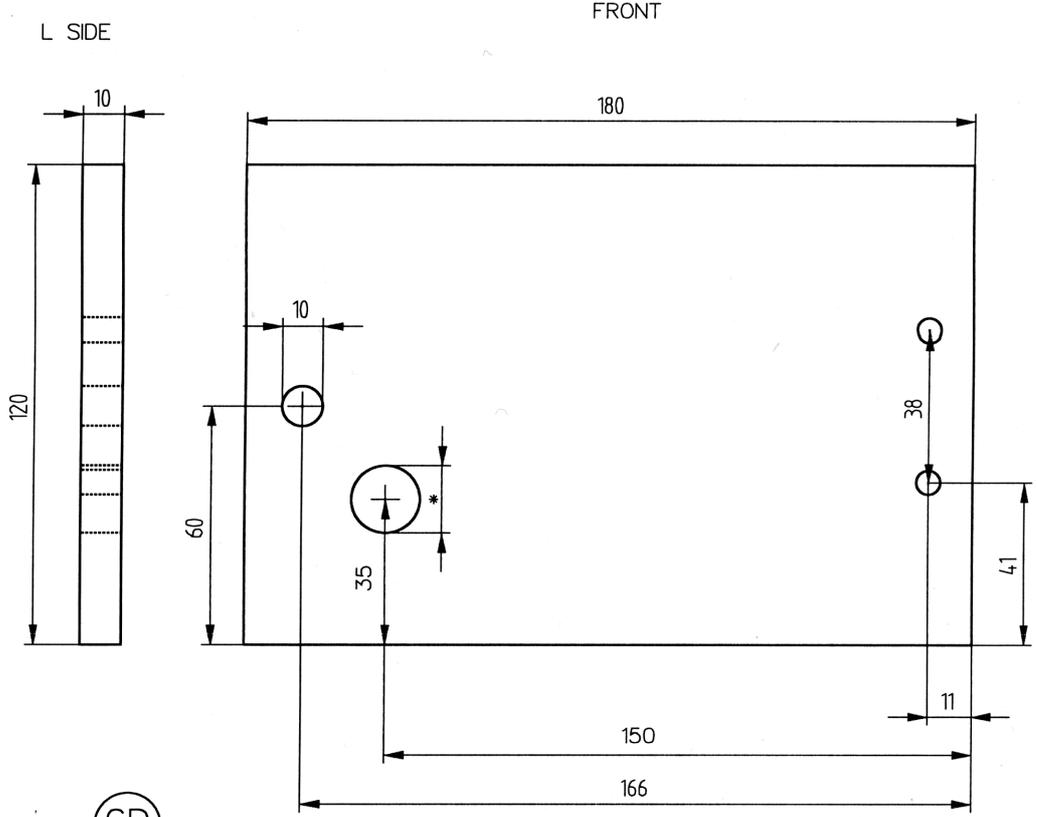


THICKNESS 3 mm

UNIT: mm

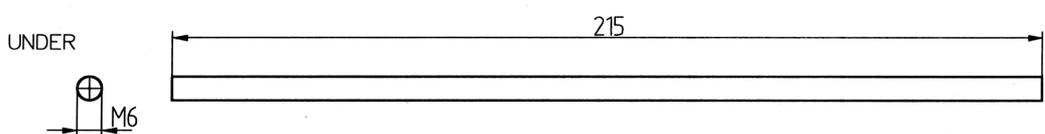
DRAWING NOT
TO SCALE

DR. 16



6D

* DEPENDS ON C6



SIDE 8D

2D PROJECTION

UNIT: mm

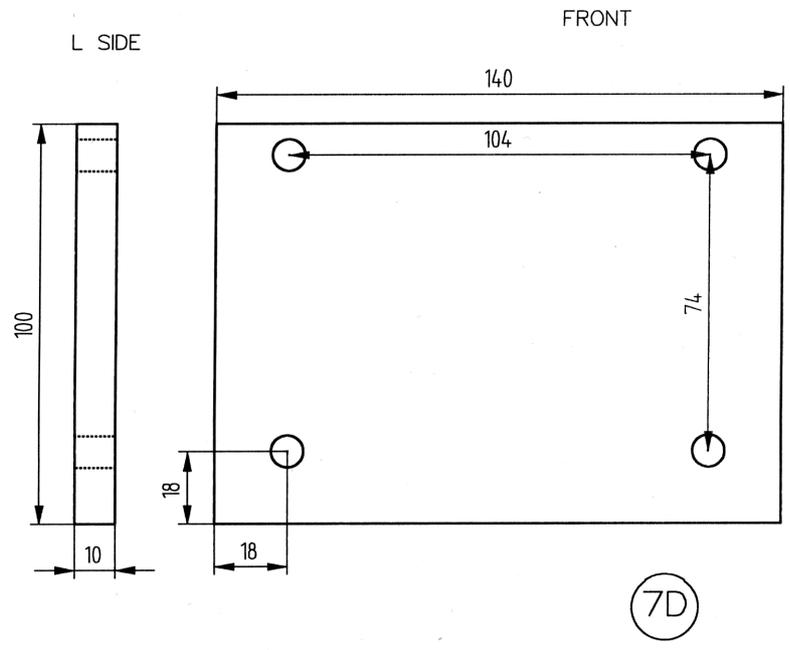
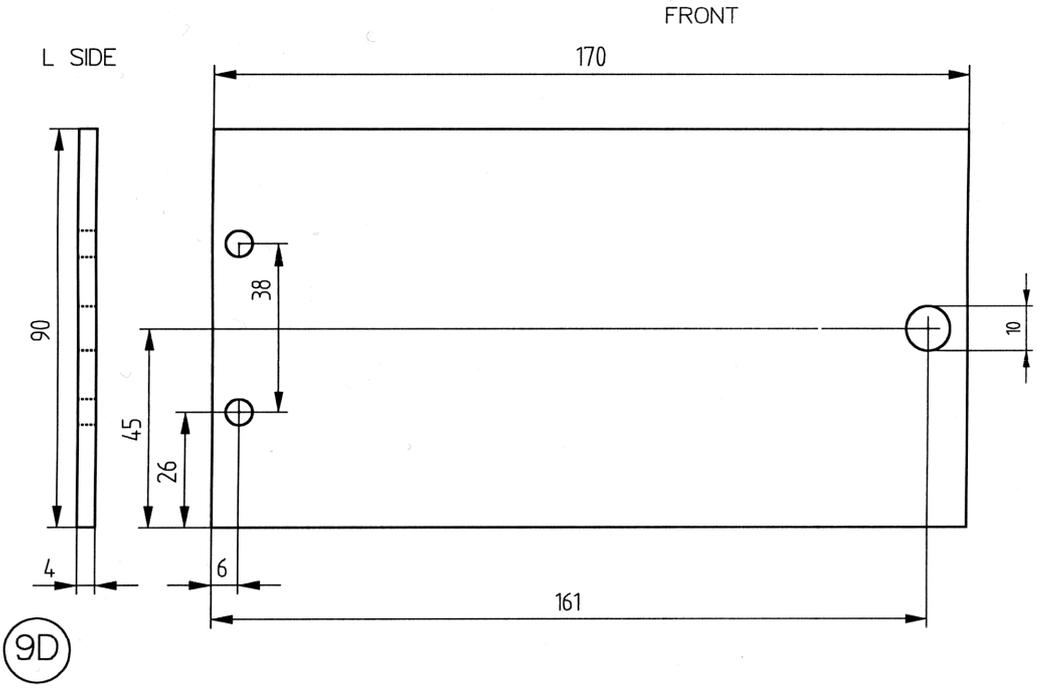
ALL HOLES 6mm
UNLESS SPECIFIED

DRAWING NOT
TO SCALE

DR.17

SEDM
FOR THE HOME SHOP

ASSEMBLY D



2D PROJECTION

UNIT: mm

ALL HOLES 6mm
UNLESS SPECIFIED

DRAWING NOT
TO SCALE

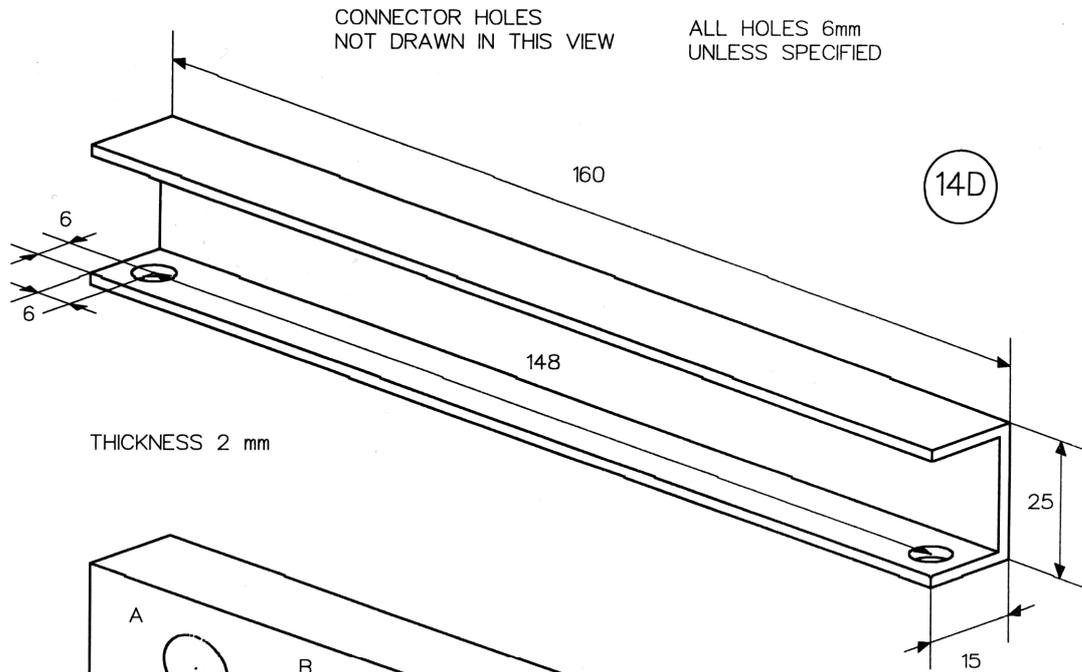
DR. 18

SEDM
FOR THE HOME SHOP

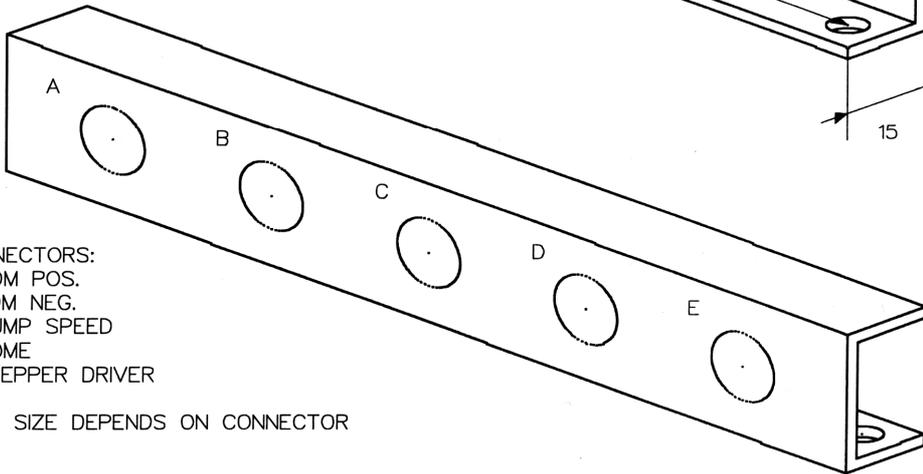
ASSEMBLY D

CONNECTOR HOLES
NOT DRAWN IN THIS VIEW

ALL HOLES 6mm
UNLESS SPECIFIED

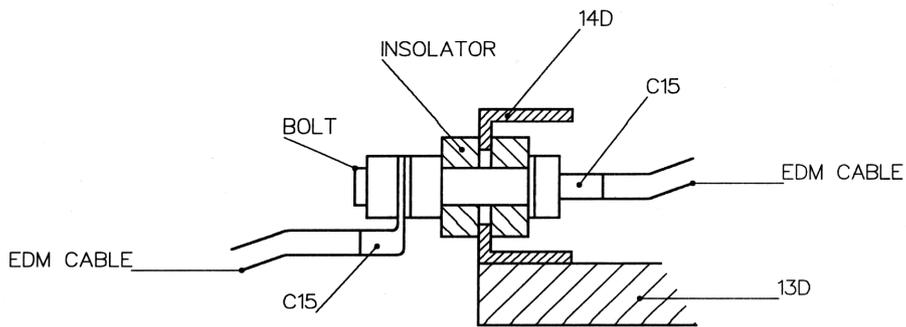


THICKNESS 2 mm



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

HOLE SIZE DEPENDS ON CONNECTOR

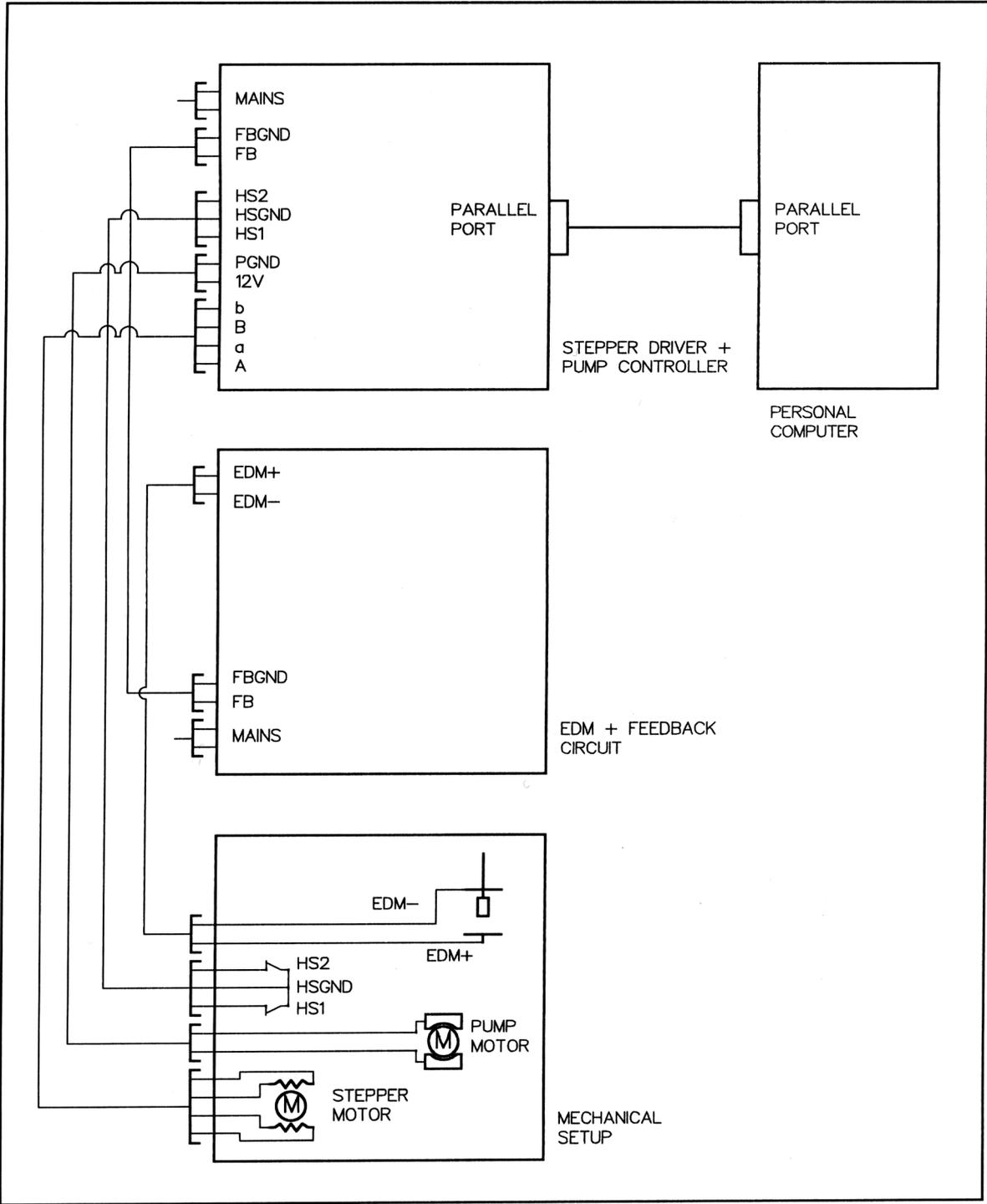


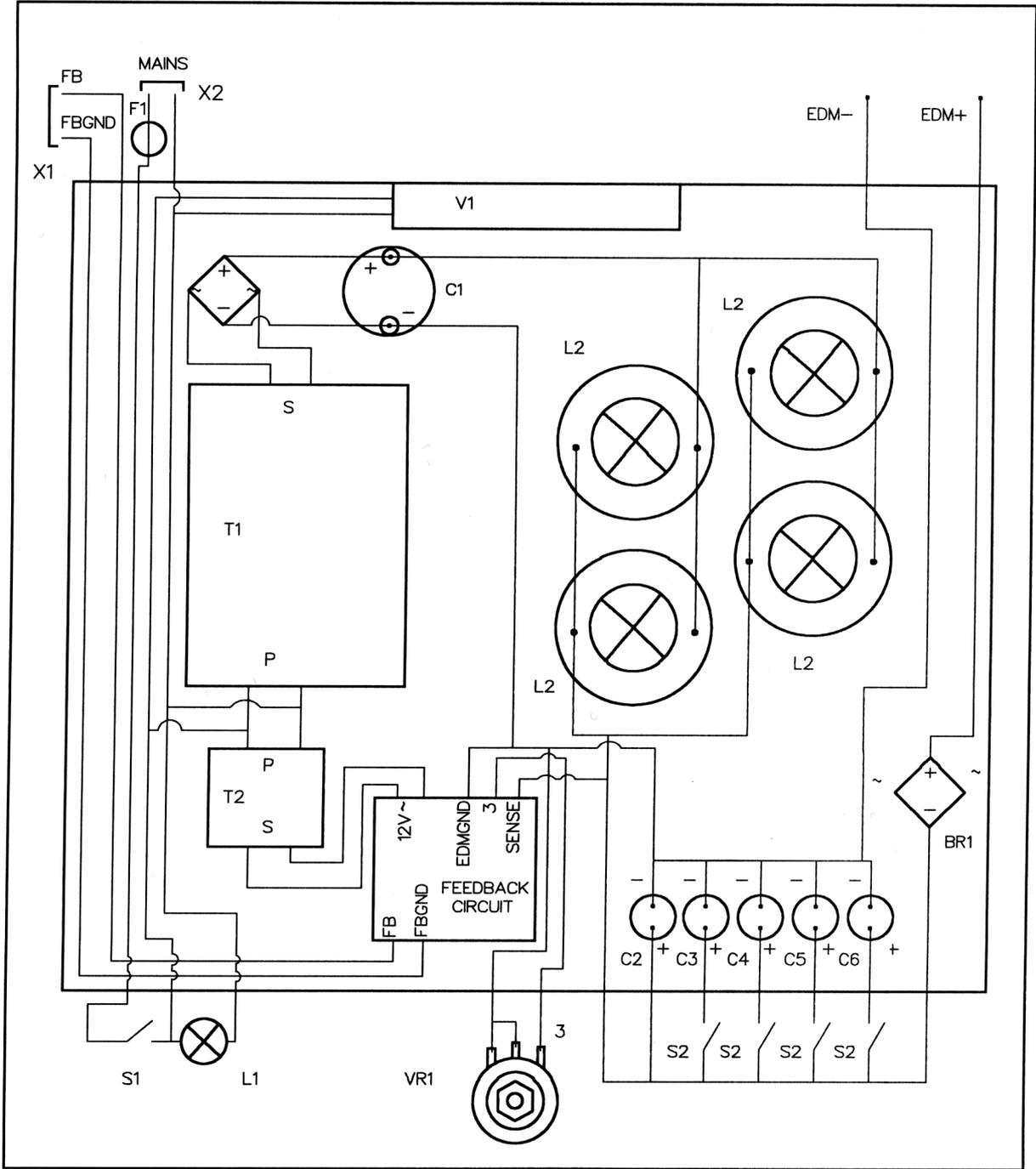
CROSS-SECTION
EDM CONNECTOR

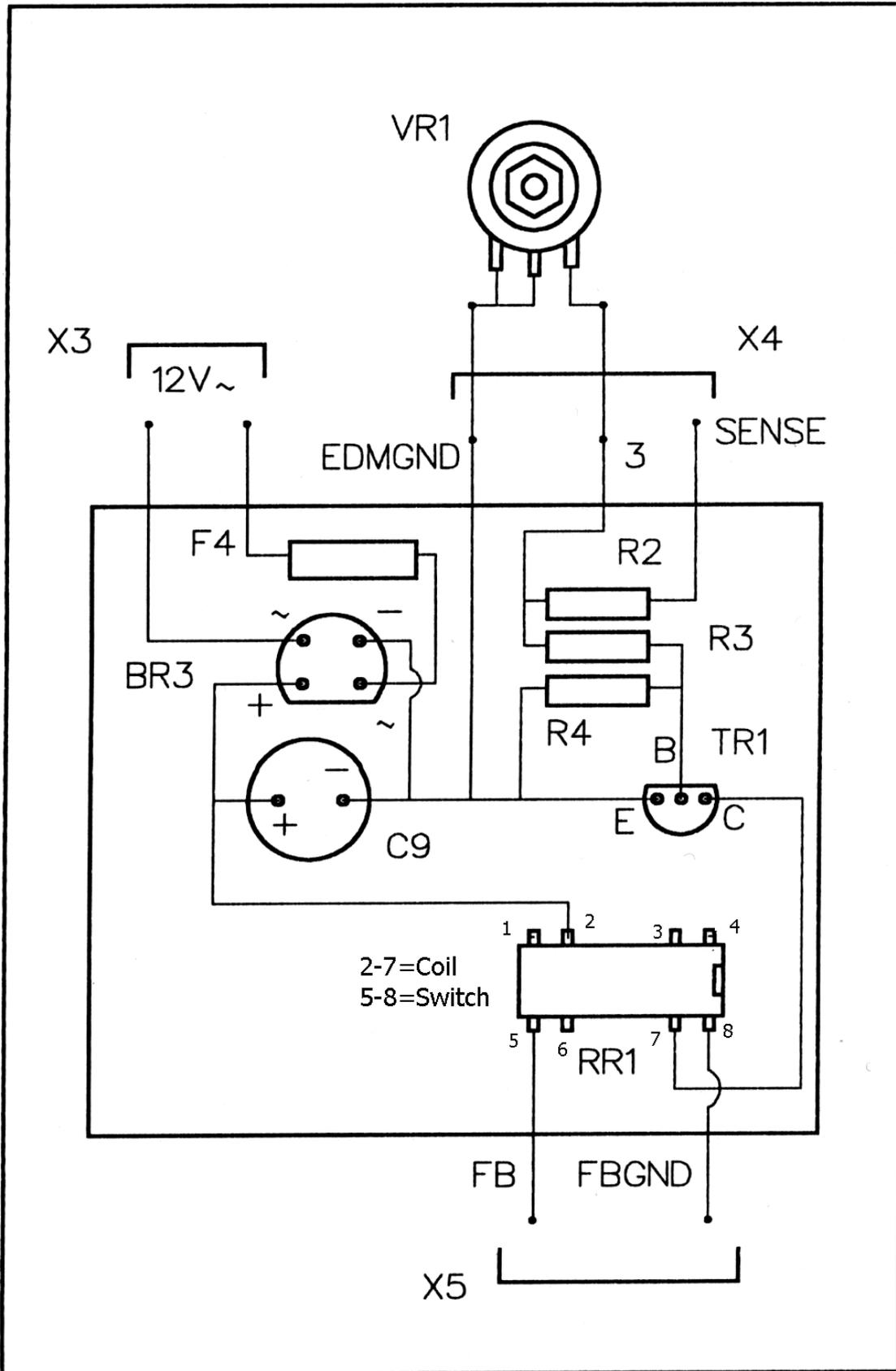
UNIT: mm

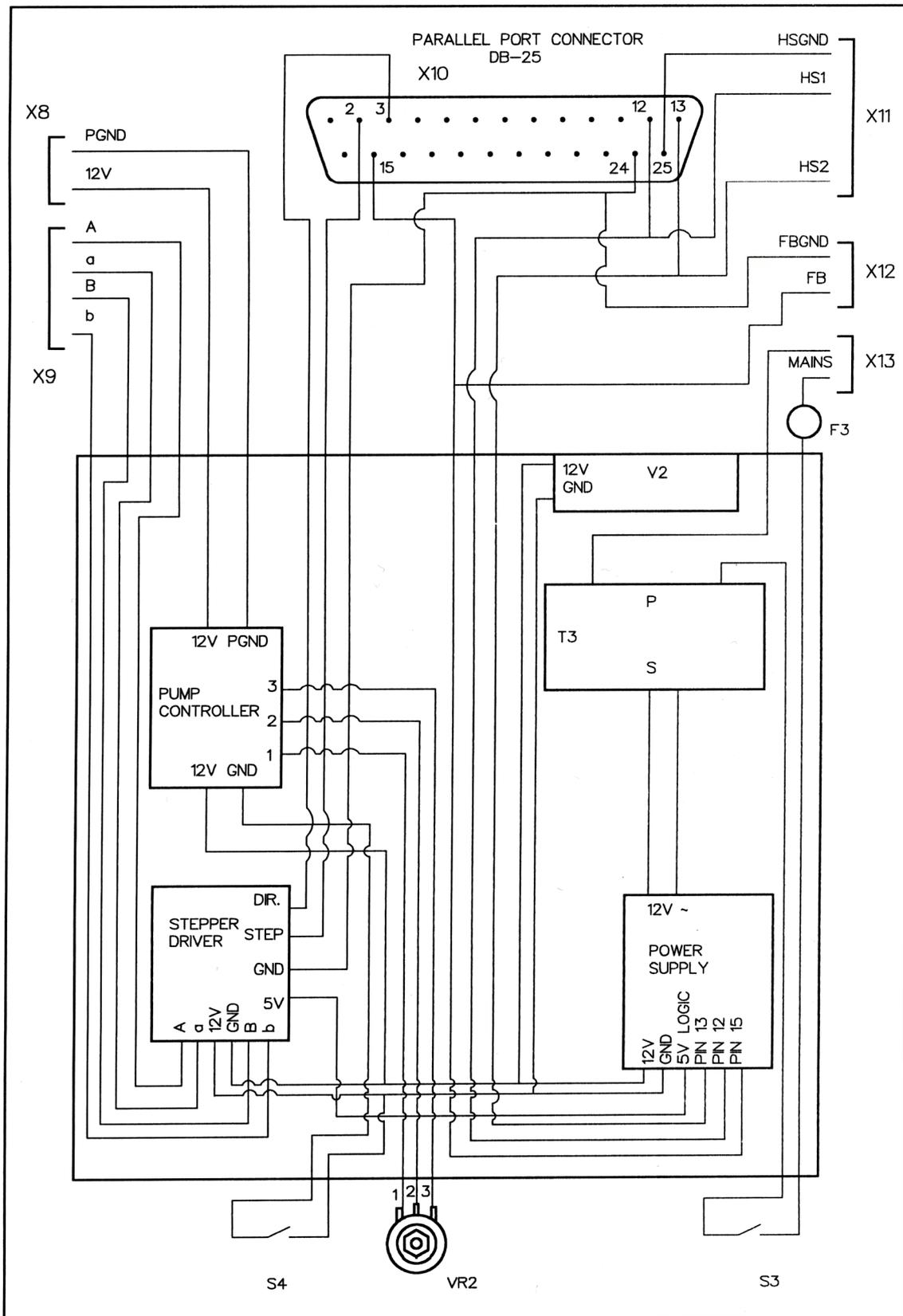
DRAWING NOT
TO SCALE

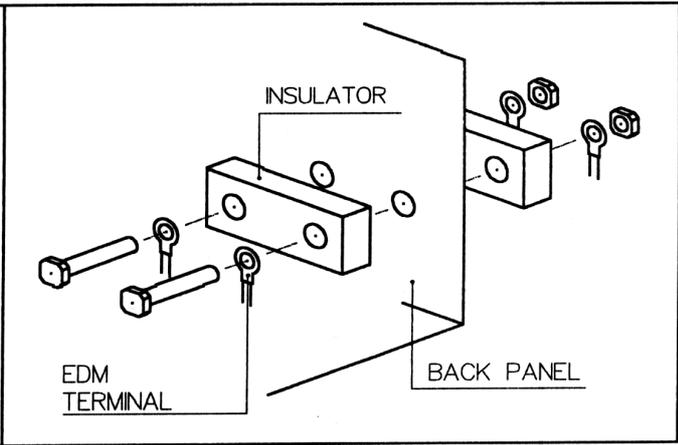
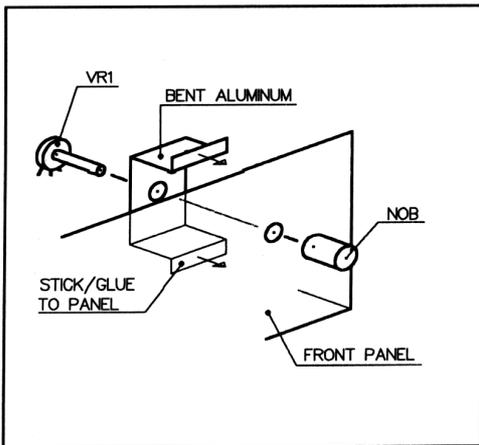
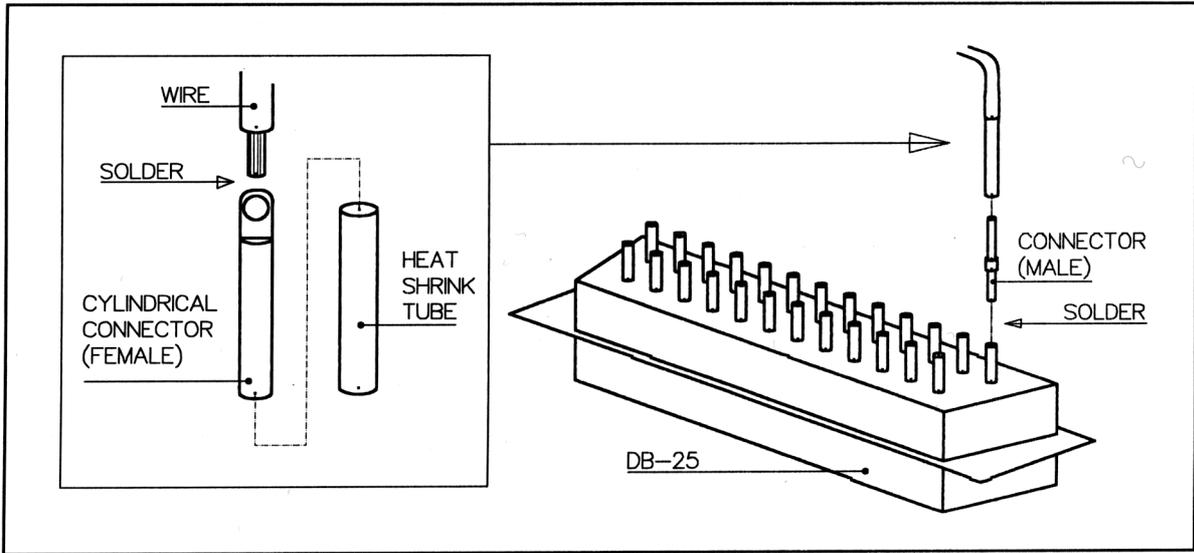
DR.20

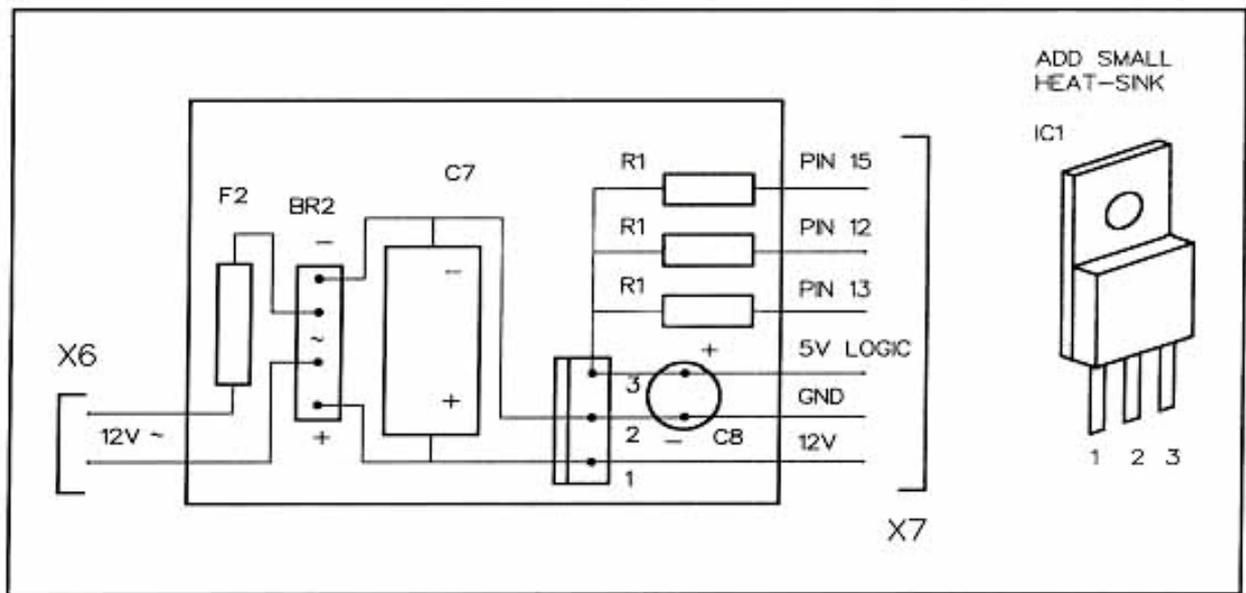












END.