

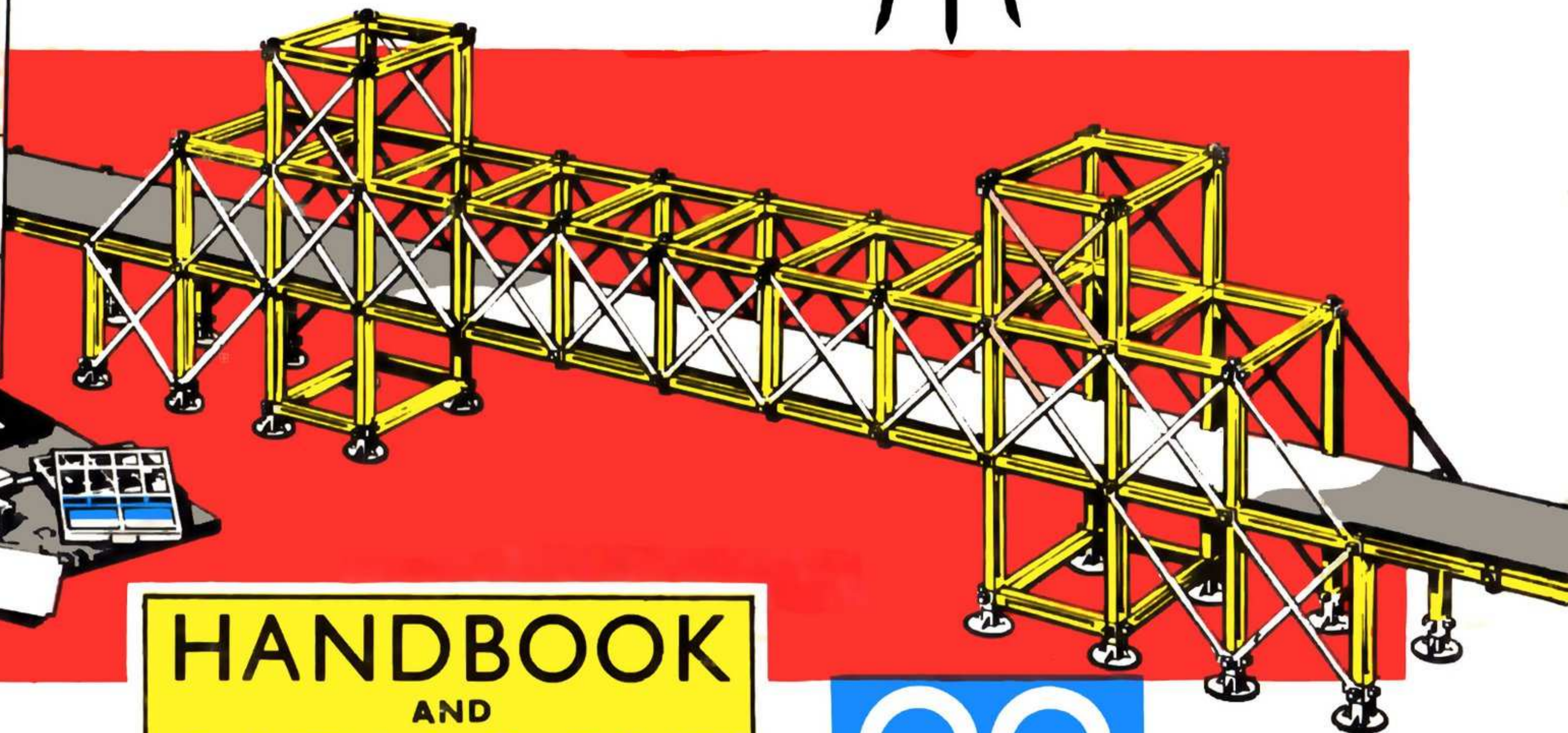
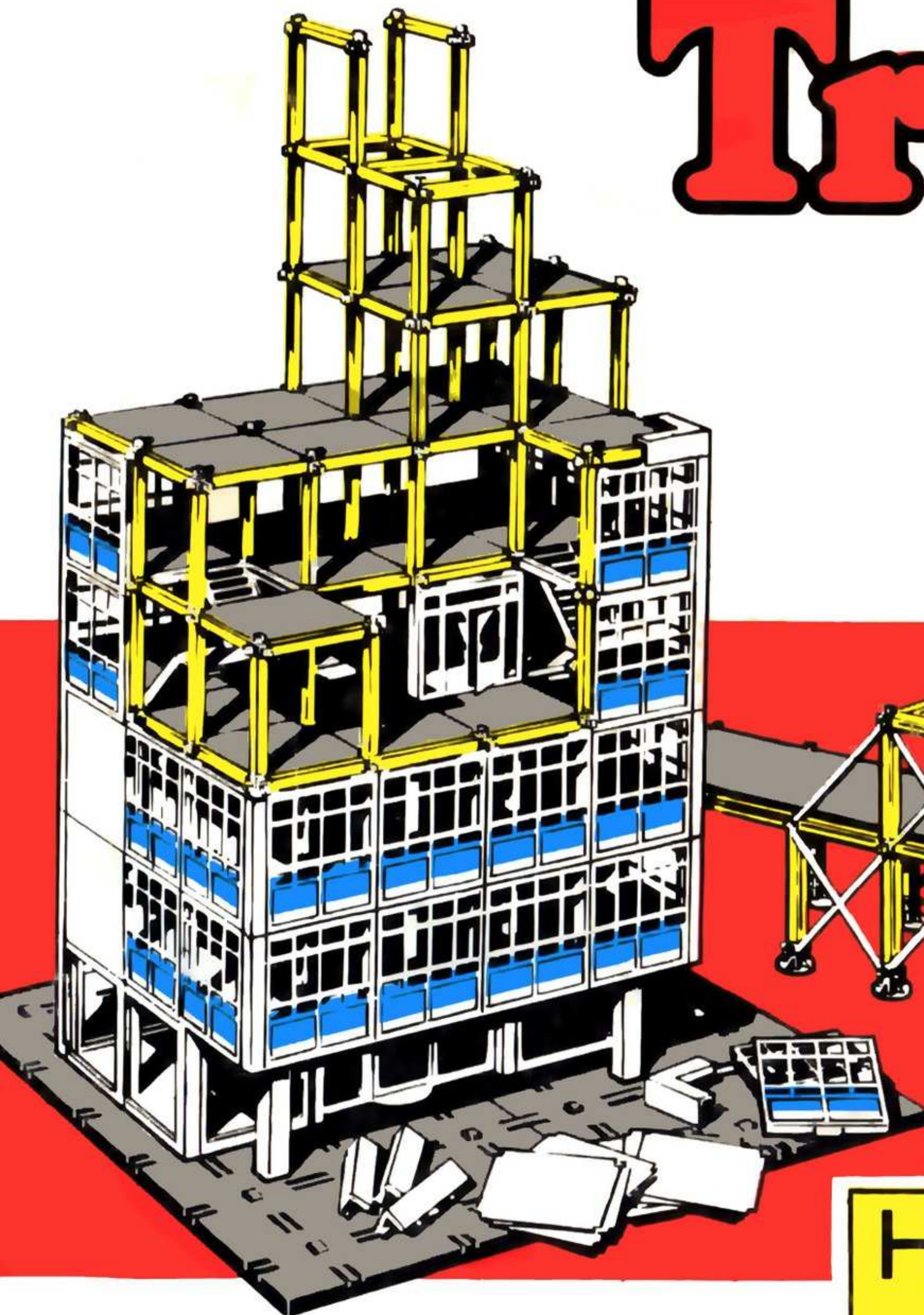
Tri-ang

Regd. Trade Mark

ARKITEX

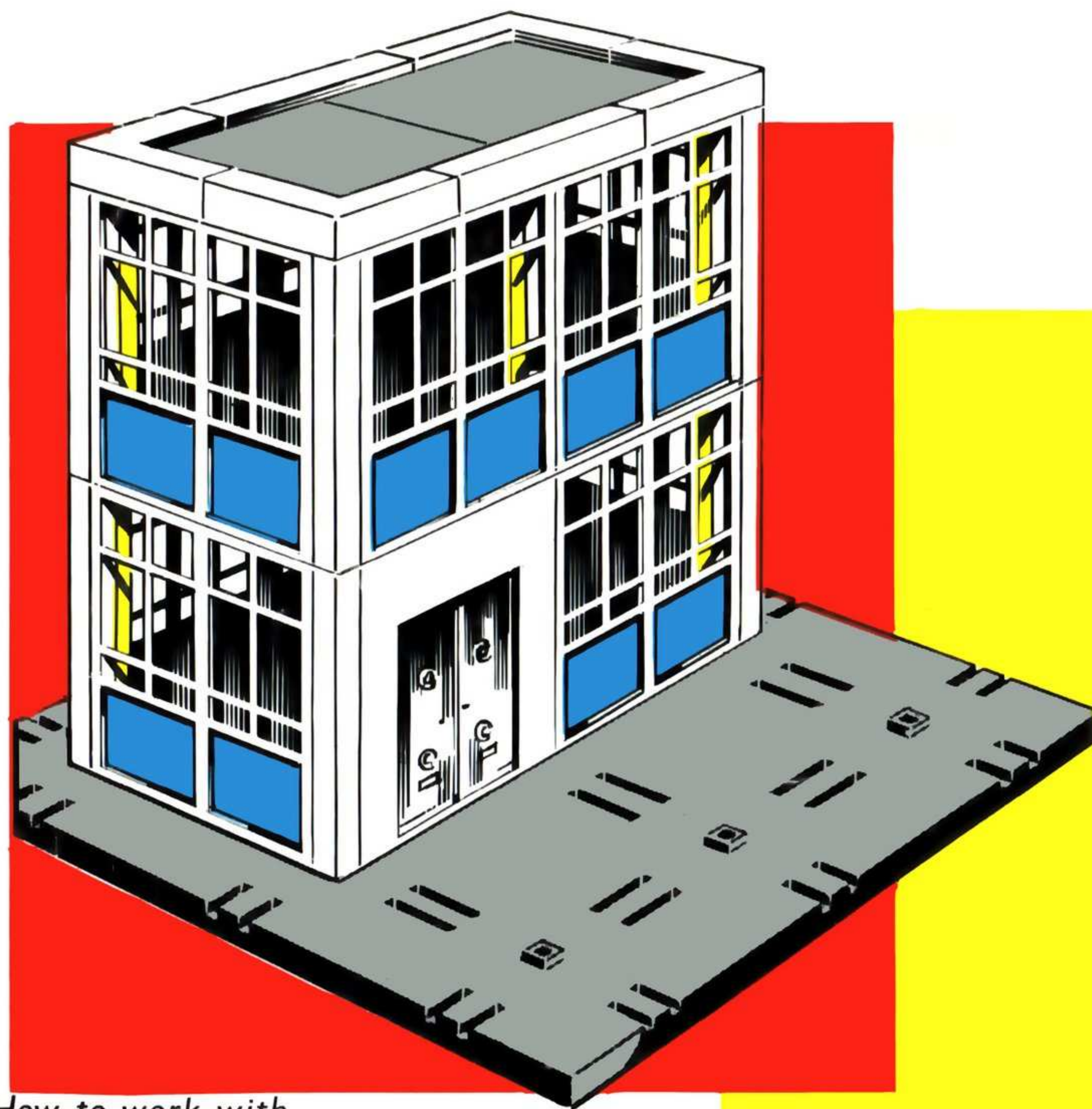
Regd Trade Mark

MODERN
BUILDING
EQUIPMENT



HANDBOOK
AND
CATALOGUE





MODERN BUILDING EQUIPMENT

Tri-ang Arkitek modern building equipment is a true to scale modern building construction which will appeal to all ages. Simple self locking parts, moulded in high impact Polystyrene—the girder framework is erected on a base and floors are positioned on each storey. Window panels, door panels, plain panels and vertical corners are then dropped into place, followed by the roof edging.

Each kit is complete in itself, and the basic kit enables the builder to complete simple modern buildings. Step by step instructions are given in the manual and details of expansion to each kit from the wide range of spares and accessories is illustrated and explained—allowing for the construction of unlimited variety of buildings from single storey office blocks to towering Skyscrapers.

Would be architects will find these construction kits a perfect outlet for their own ideas—use of the accessories makes possible the erection of more elaborate buildings with overhanging projections and pagoda type roofs etc. Beautiful buildings, practical buildings—buildings of unique and outstanding design—all can be built with the Arkitek Modern Building Equipment.

Tri-ang Arkitek is available in two scales— $\frac{1}{42}$ nd scale which will tie-up with the Spot-On Roadway system and model cars—and '00' Gauge scale which ties up with Tri-ang Railways layouts.

How to work with



Study carefully the directions given on the following pages and see how easy it is to build with these kits.

BUILDING

SIMPLE CUBE STRUCTURES WITHOUT ANGLES OR TOWERS

IMPORTANT: Connector Beams and Blocks must be pushed firmly home, otherwise the framework of the building will be out of true and the various panels and corner pieces will not fit securely.

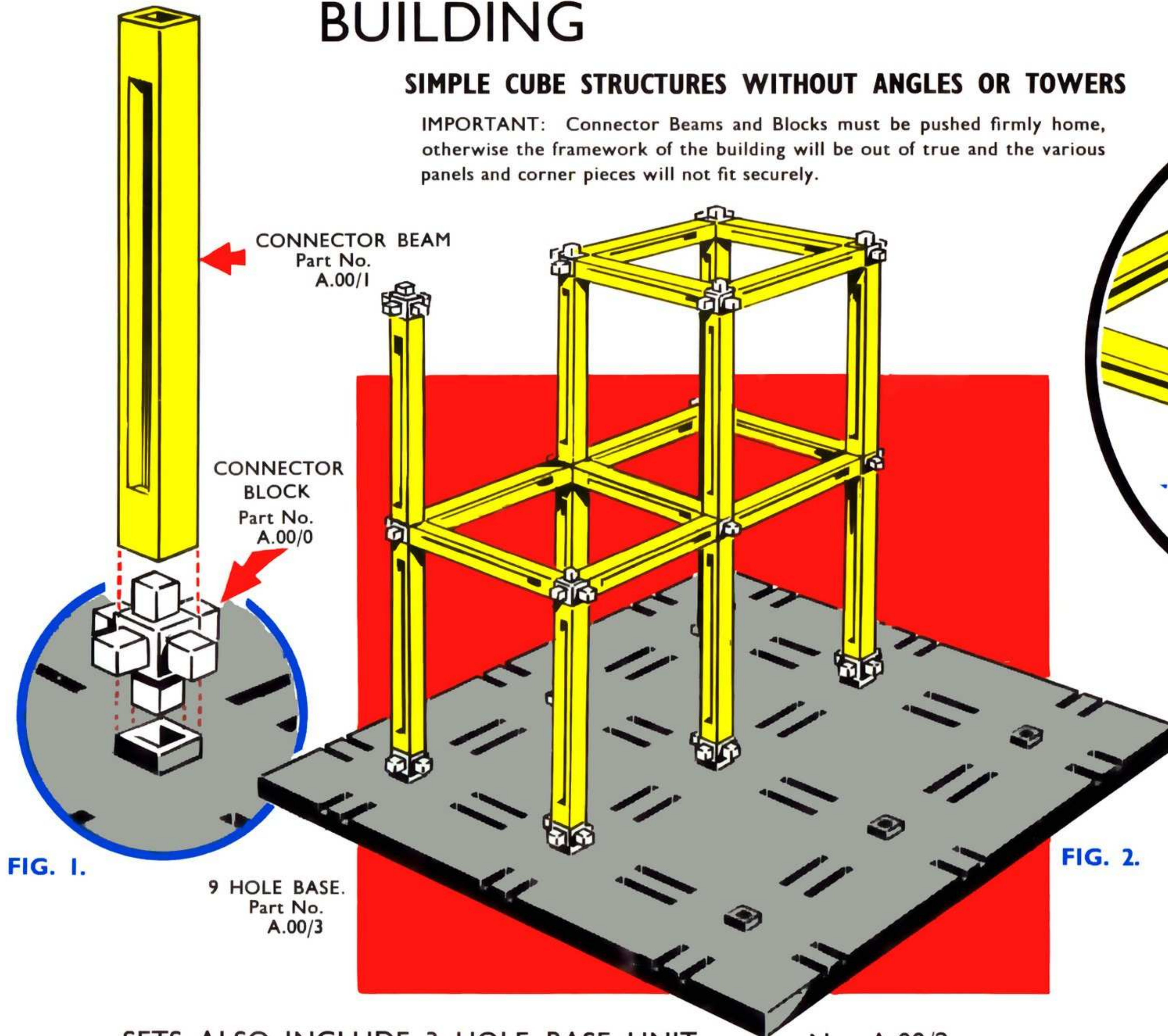


FIG. 1.

9 HOLE BASE.
Part No.
A.00/3

FIG. 2.

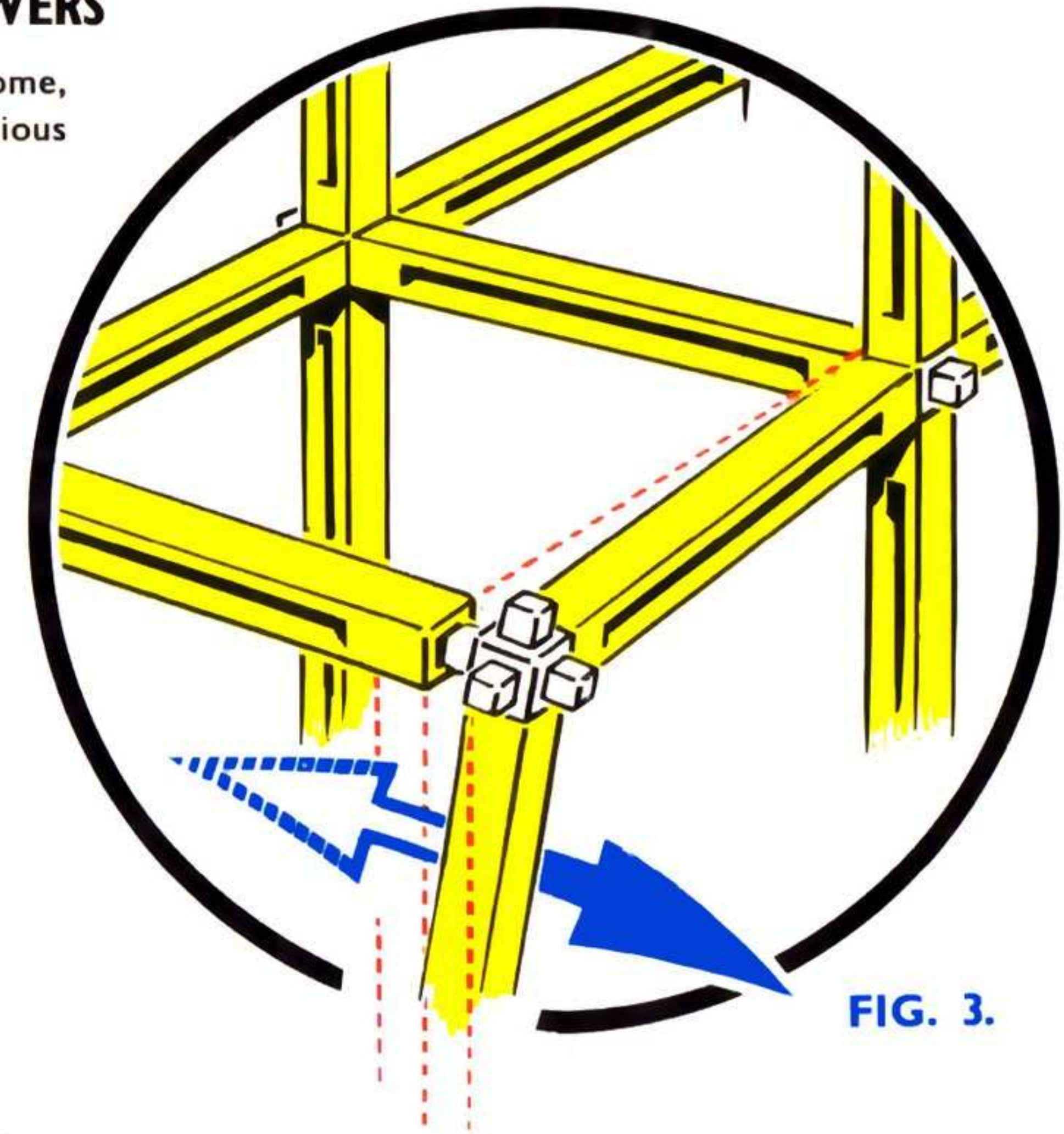


FIG. 3.

"GIRDER" FRAMEWORK ASSEMBLY

The flexible nature of the girder framework enables additions and alterations to be made without completely dismantling the structure.

SETS ALSO INCLUDE 3 HOLE BASE UNIT

No. A.00/2

4.



ASSEMBLING

WINDOWS

TYPE 'A'

ROOF/FLOOR
Part No.
A.00/16

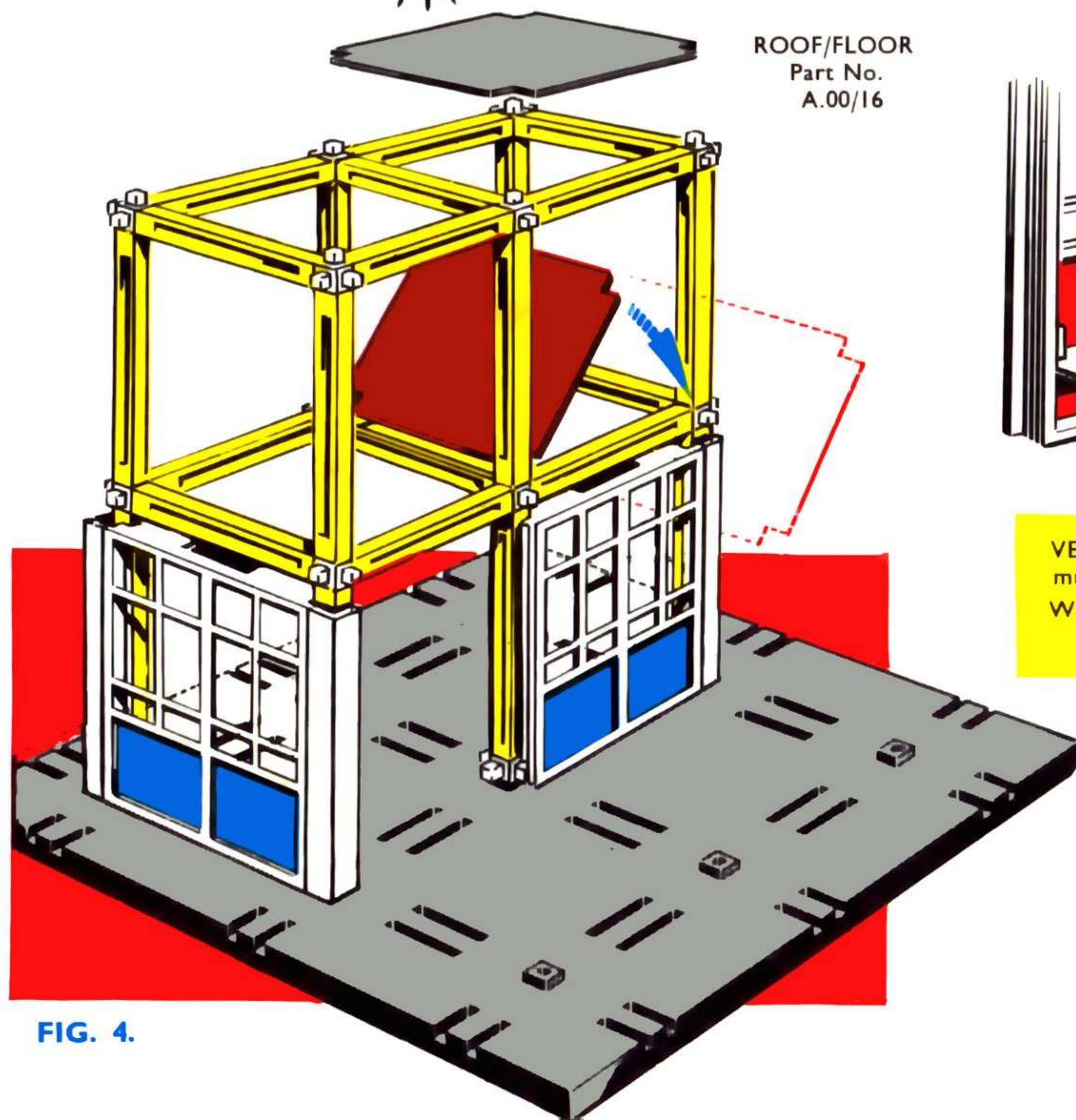
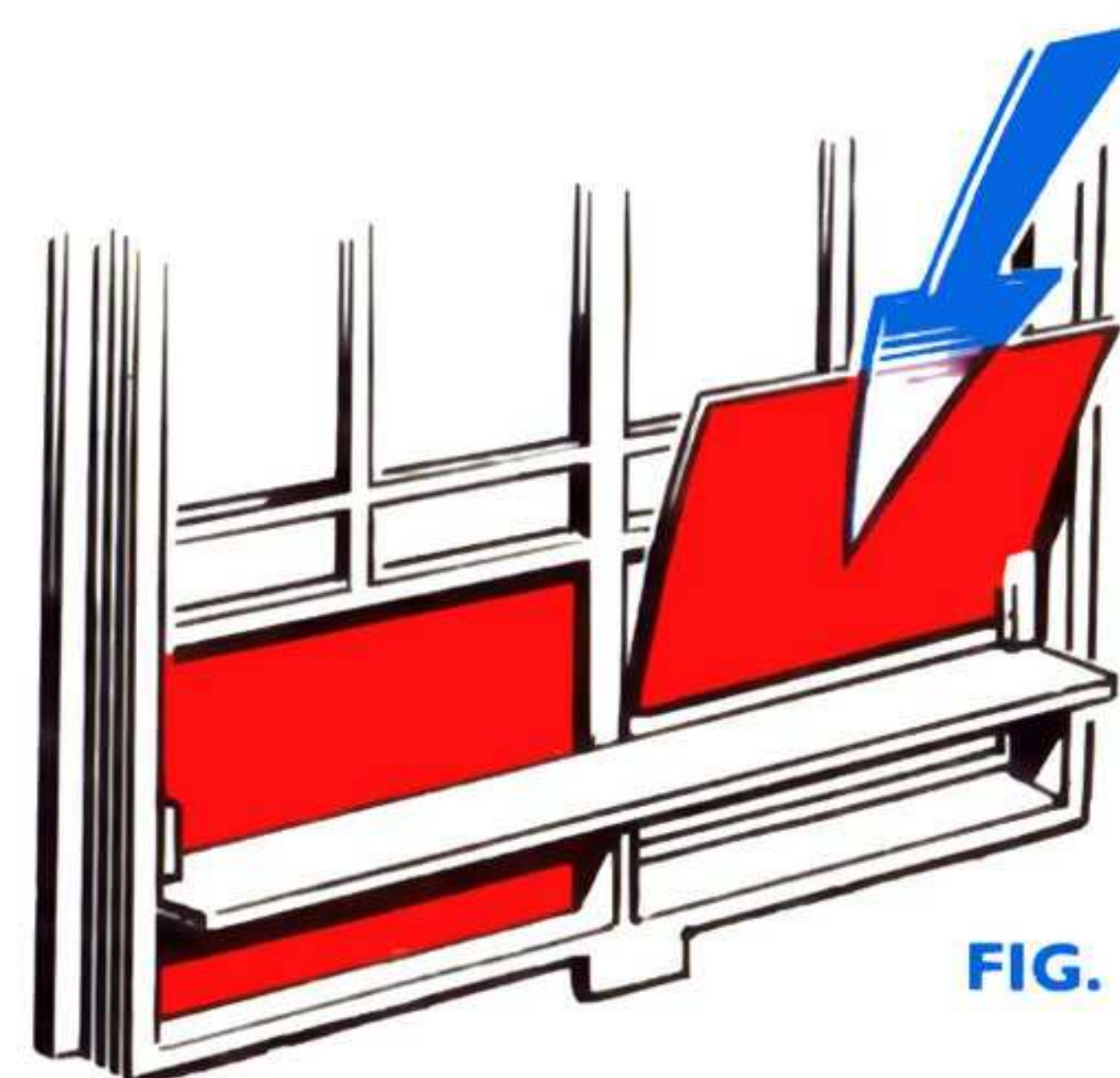


FIG. 4.



Window frames must be fitted with
'Glass' and coloured panels before
assembling into structure.

COLOURED WINDOW PANELS
Part No. A.00/20

FIG. 5.

VERTICAL CORNERS
must be fitted before
WINDOW PANELS &
DOOR PANELS

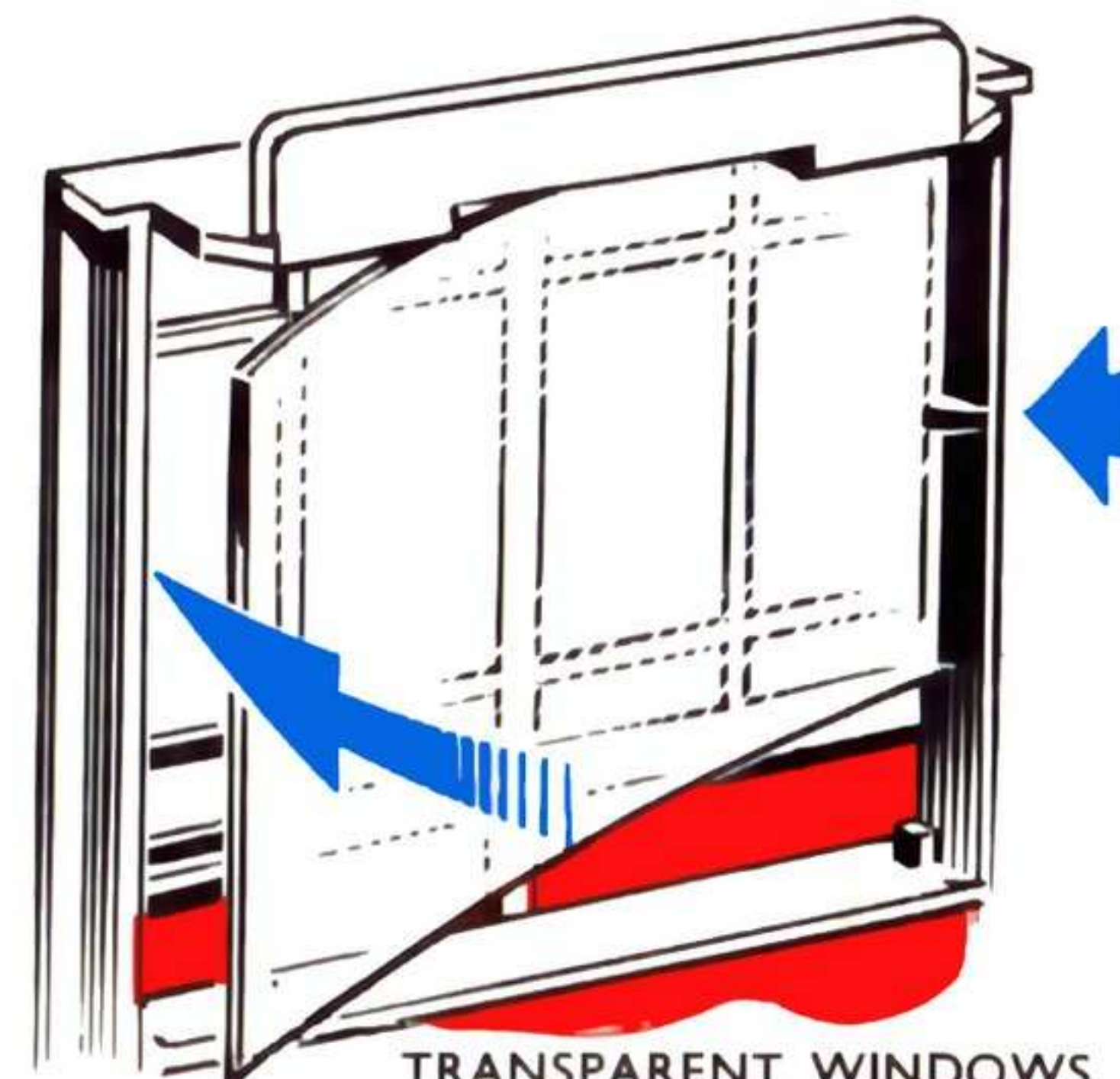


FIG. 6.

TRANSPARENT WINDOWS
Part No. A.00/19

Fix these behind the
2 retaining tongues
on the inside of the
frame.

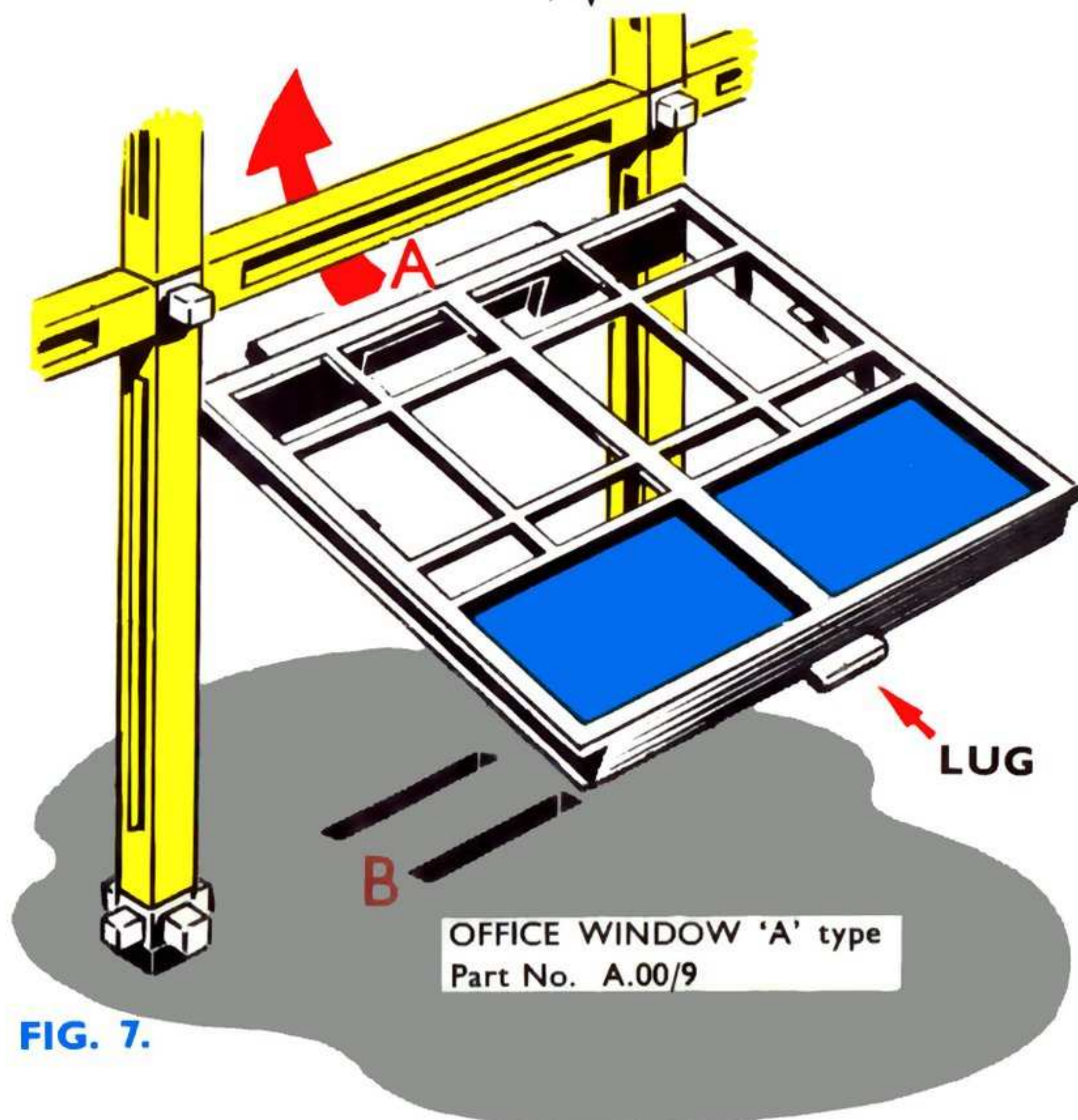


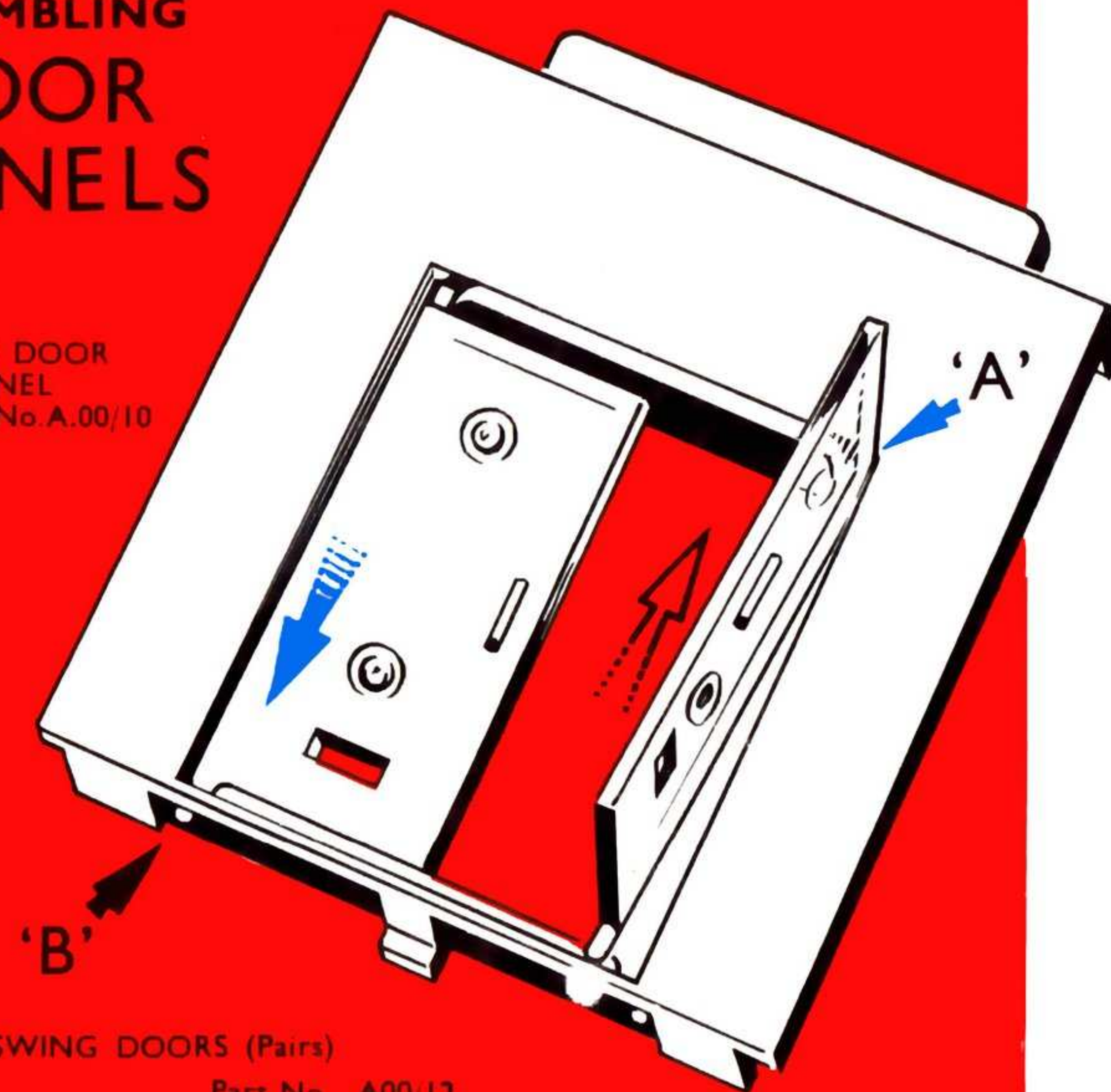
FIG. 7.

Place window panel into position by tucking the flange 'A', at the top of the frame, under the connector beam and dropping the small lug into the slot 'B'.

BUILD BETTER WITH ARKITEX

ASSEMBLING DOOR PANELS

**SWING DOOR
PANEL**
Part No. A.00/10



The long pin on the 'glass' door must be inserted into the hole marked 'A' at the top of the door frame. Push in far enough to allow the short pin to drop into the hole marked 'B' at the bottom of the frame Repeat operations for other door.

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CORNERS

ORDER OF ASSEMBLING

FIRST OPERATION

Fit vertical corner piece into place with tongue on connector block (FIG. 13).

SECOND OPERATION

Fit side panel (either window, doorway or plain panel) into position in framework.

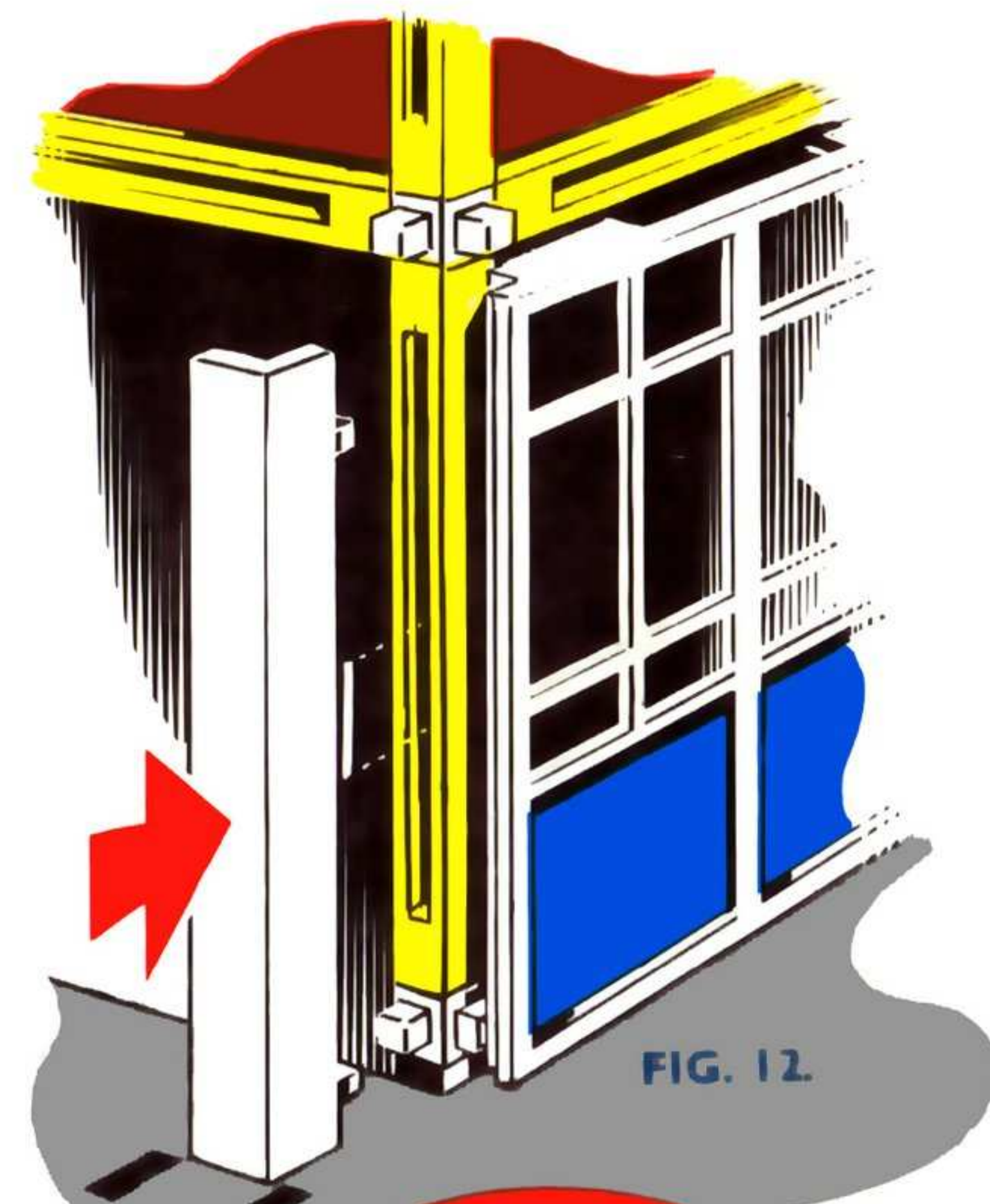
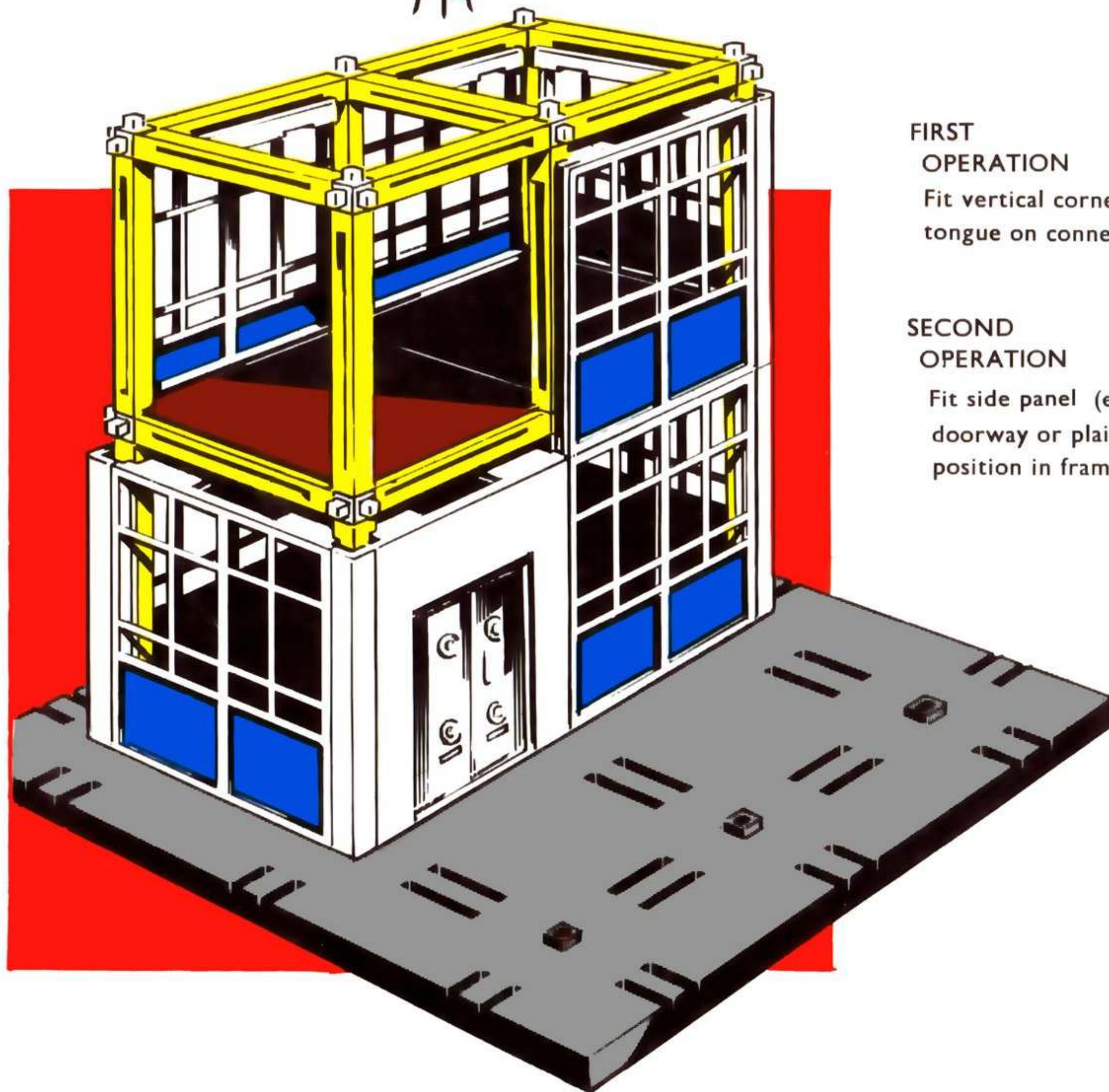


FIG. 12.

VERTICAL CORNER
Part No.
A.00/13

Rest tongue 'A' on
connector block
projection 'B'.

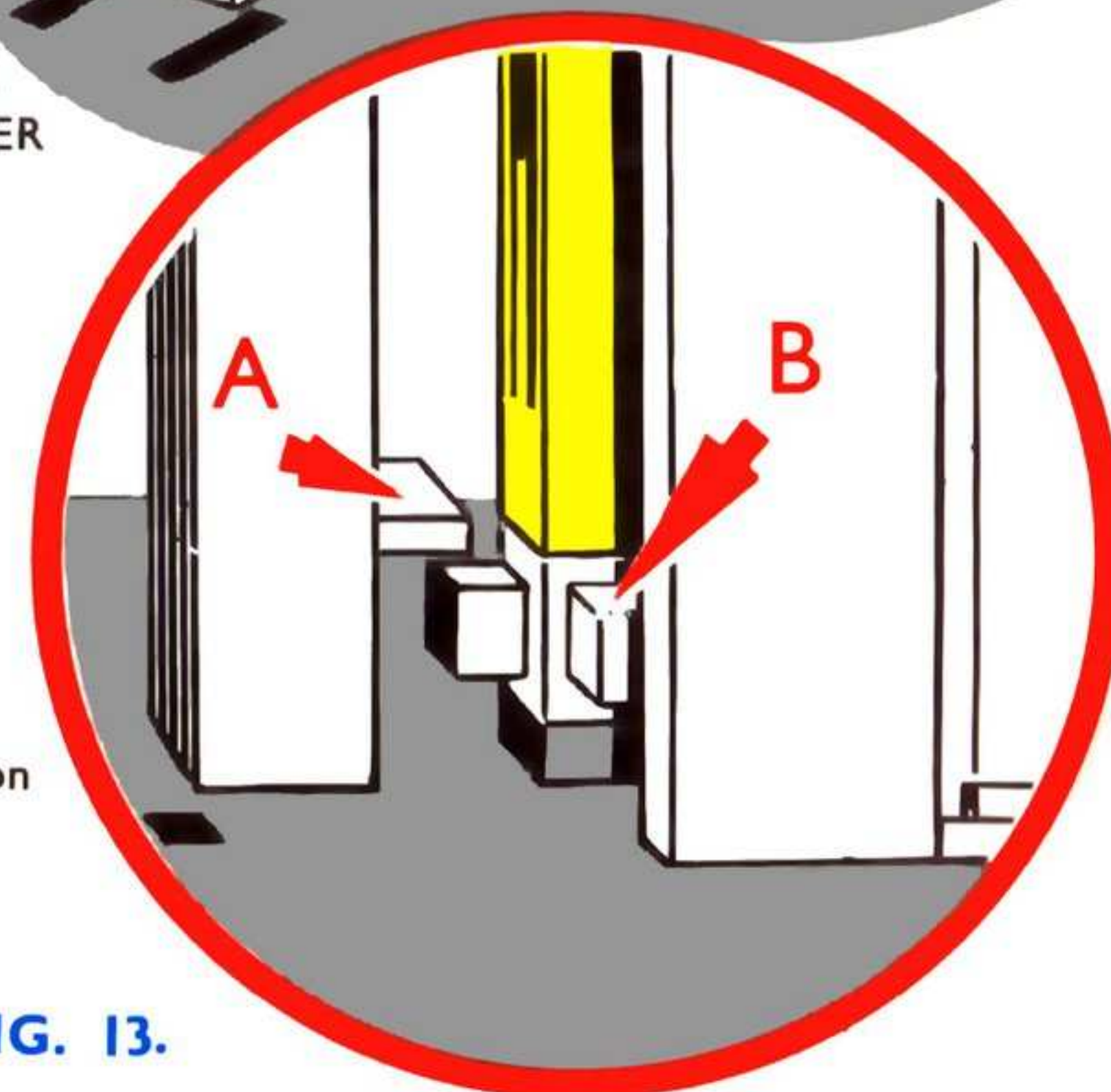


FIG. 13.

"PLAIN" PANELS AVAILABLE IN ROUGH CAST, BRICKWORK OR CONCRETE FINISH.

ROOF CORNERS & EDGES

MODERN BUILDING EQUIPMENT

Having reached this stage, you have completed the series of basic operations required to construct any building you wish within the limits of the sets **A** and **B**. To increase the range of types and sizes of buildings, an extensive range of accessories have been designed, and are illustrated and explained from page 8 onwards.



FIG. 14

THIRD OPERATION
(Vertical Corner piece fitting, continued).

Fit second panel into place. This will then lock the vertical corner unit into position and the whole corner assembly will be firm and secure.

ROOF EDGE CORNER
Part No.
A.00/15

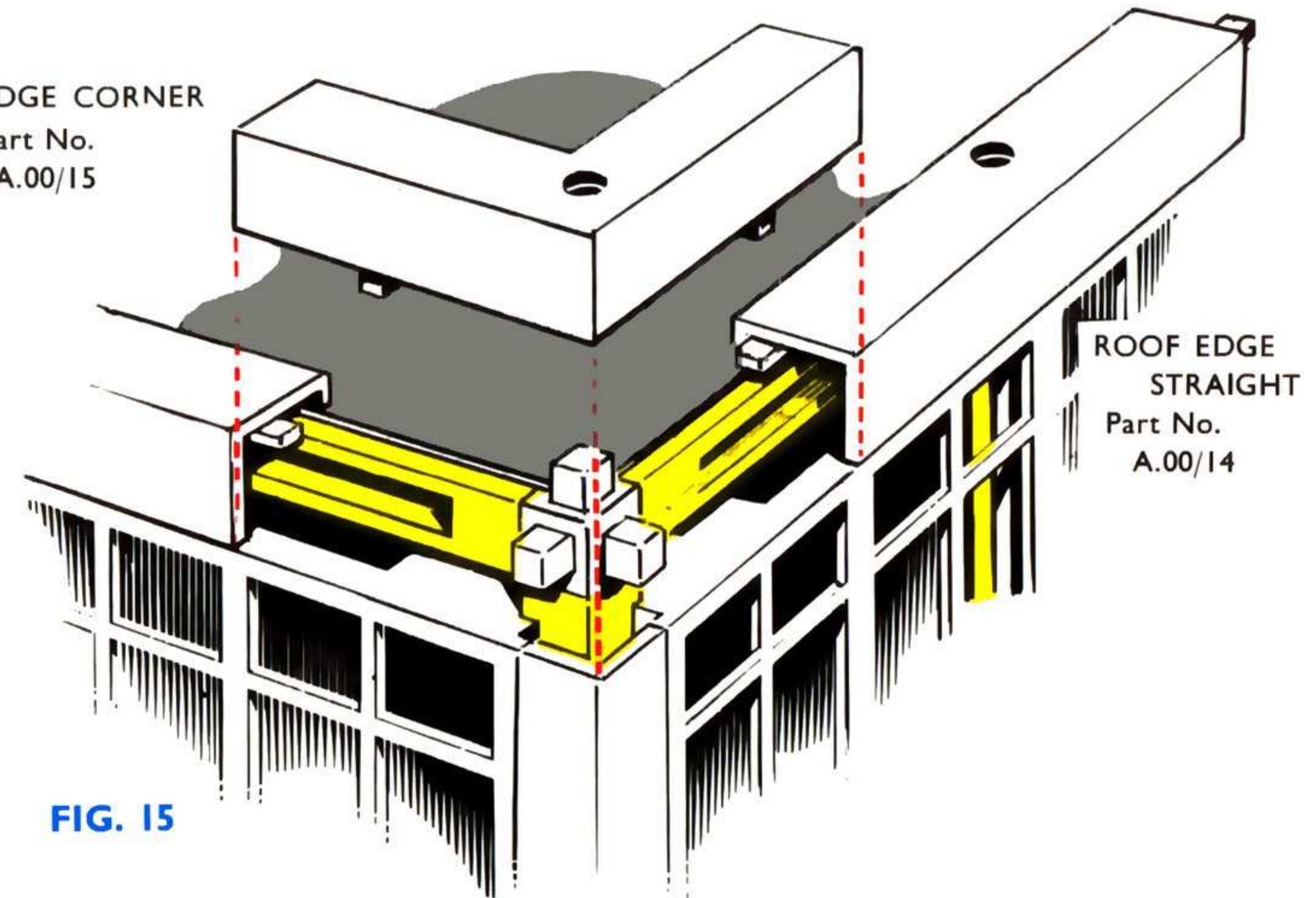
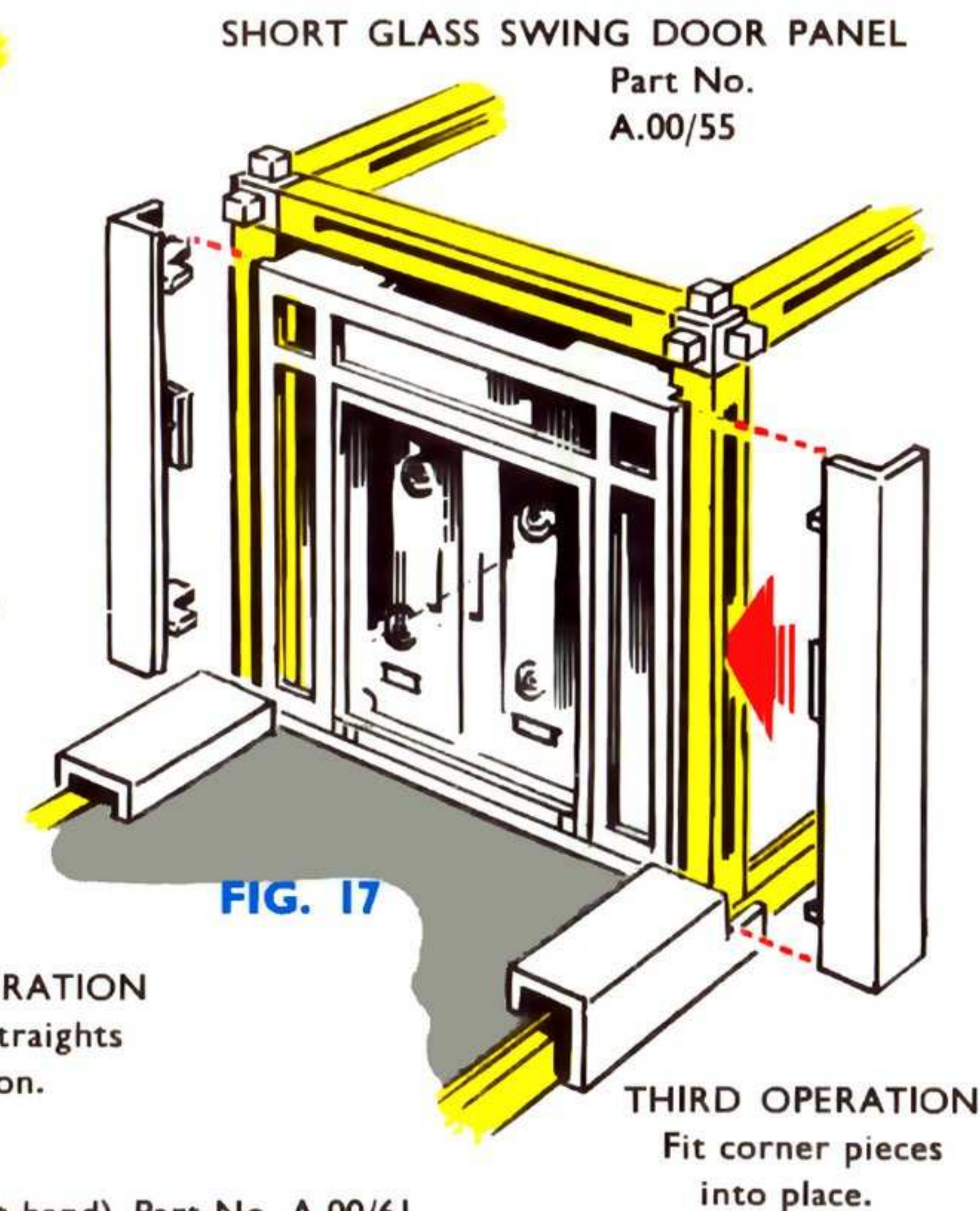
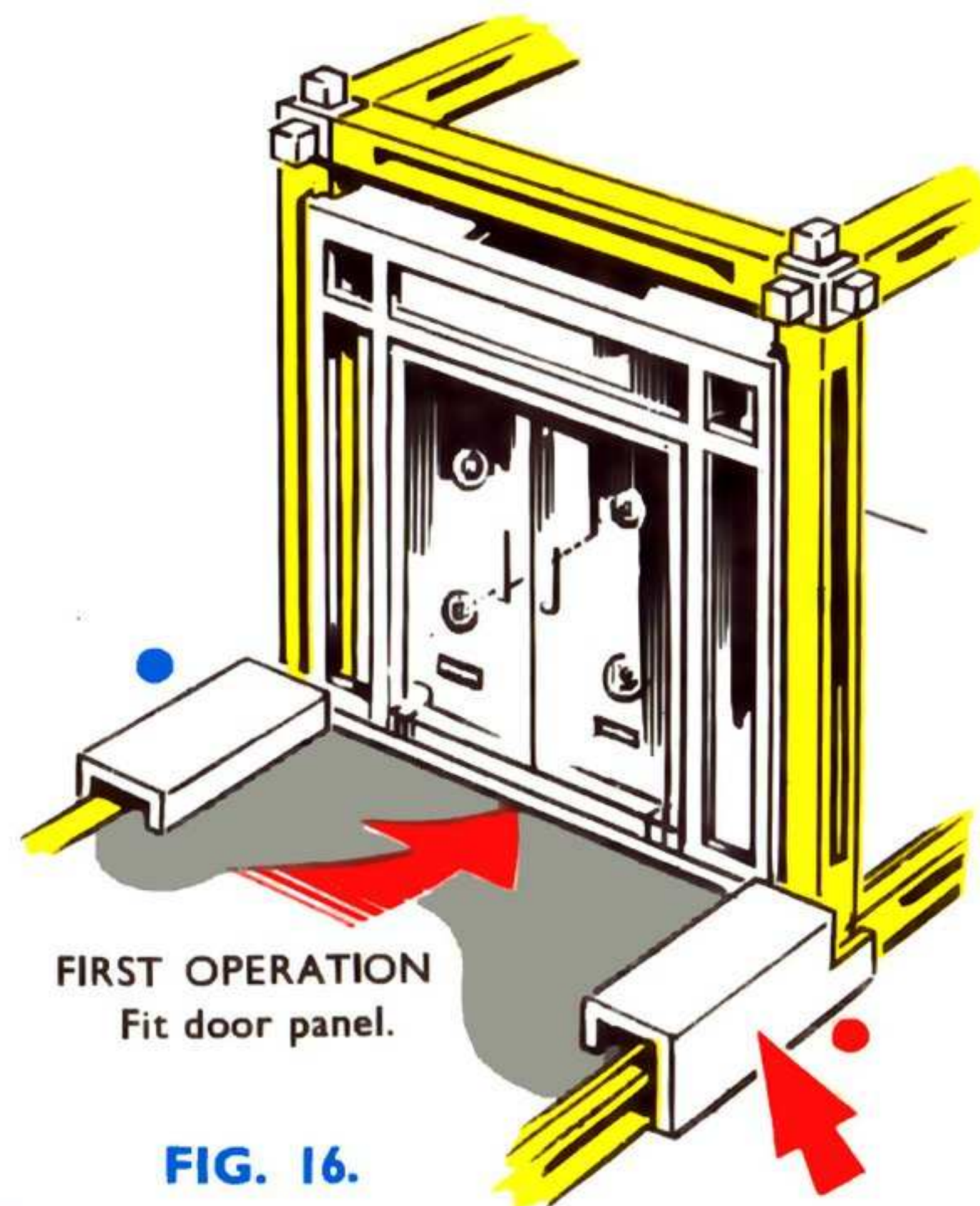
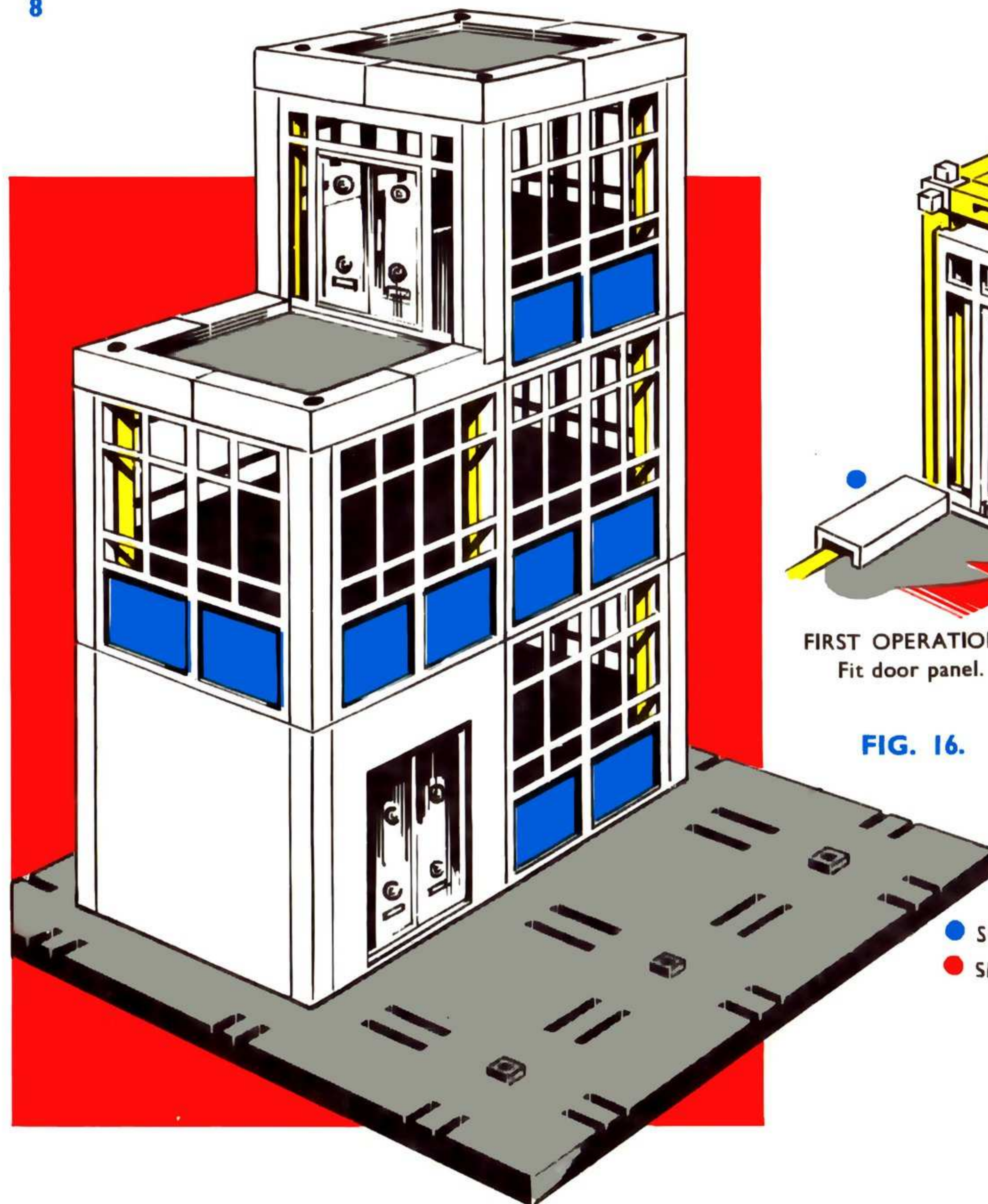


FIG. 15

ROOF EDGE
STRAIGHT
Part No.
A.00/14

Roof edge corners and straight edges lock freely into position as illustrated. (Fig. 15.)

INCREASING HEIGHT



- SHORT ROOF STRAIGHT (Left hand) Part No. A.00/61
- SHORT ROOF STRAIGHT (Right hand) Part No. A.00/62

From here onwards more exciting structures may be built. It is important that in building these extensions, careful attention is paid to the order of assembly as advised in the following pages.

ADDING 'PENTHOUSE' or TOWER

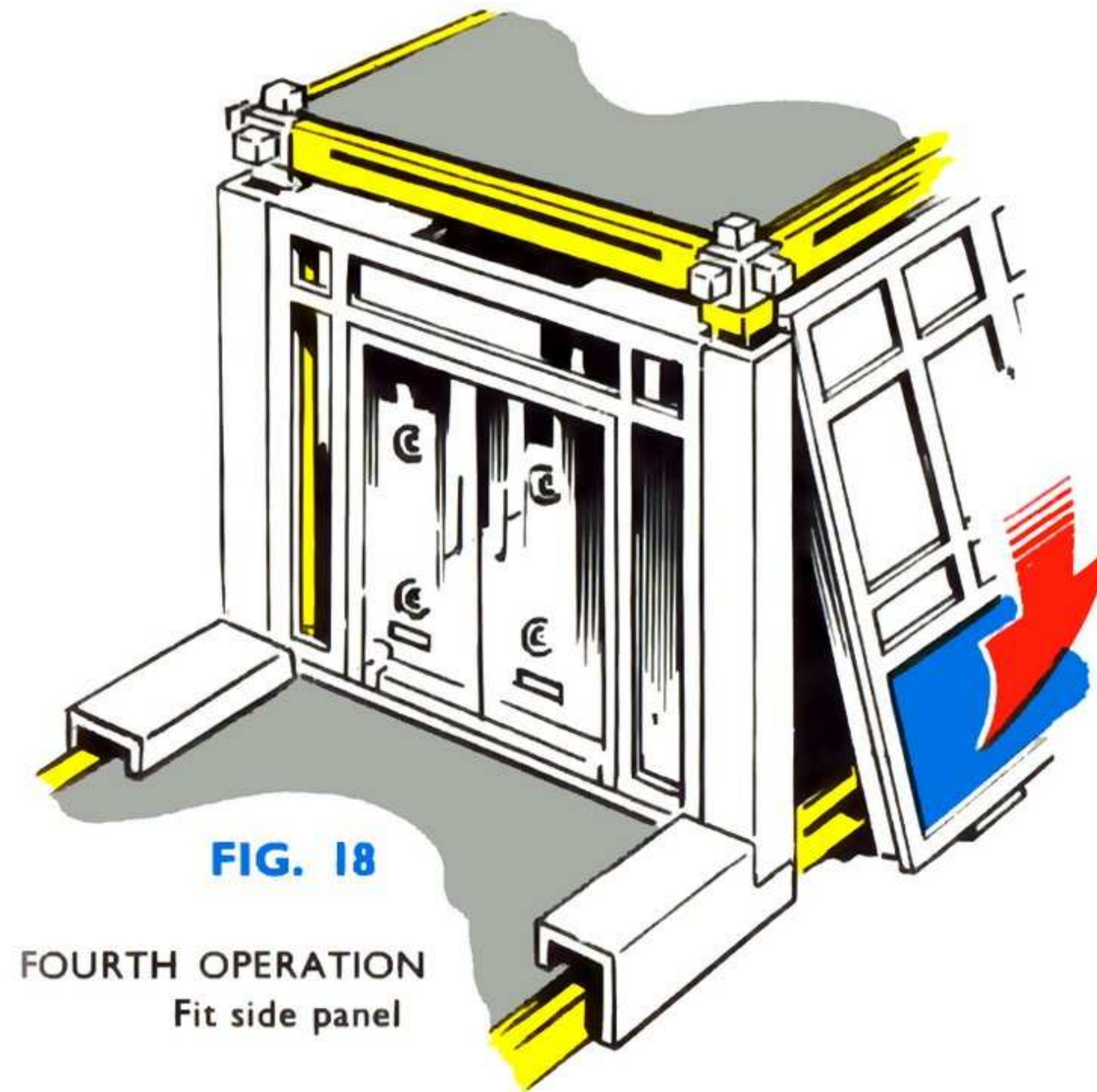


FIG. 18

FOURTH OPERATION

Fit side panel

When width of Penthouse is more than one panel, as in Fig. 19, a clip is needed to secure the bottoms of the panels. Method of fixing this is shown in the illustration below.

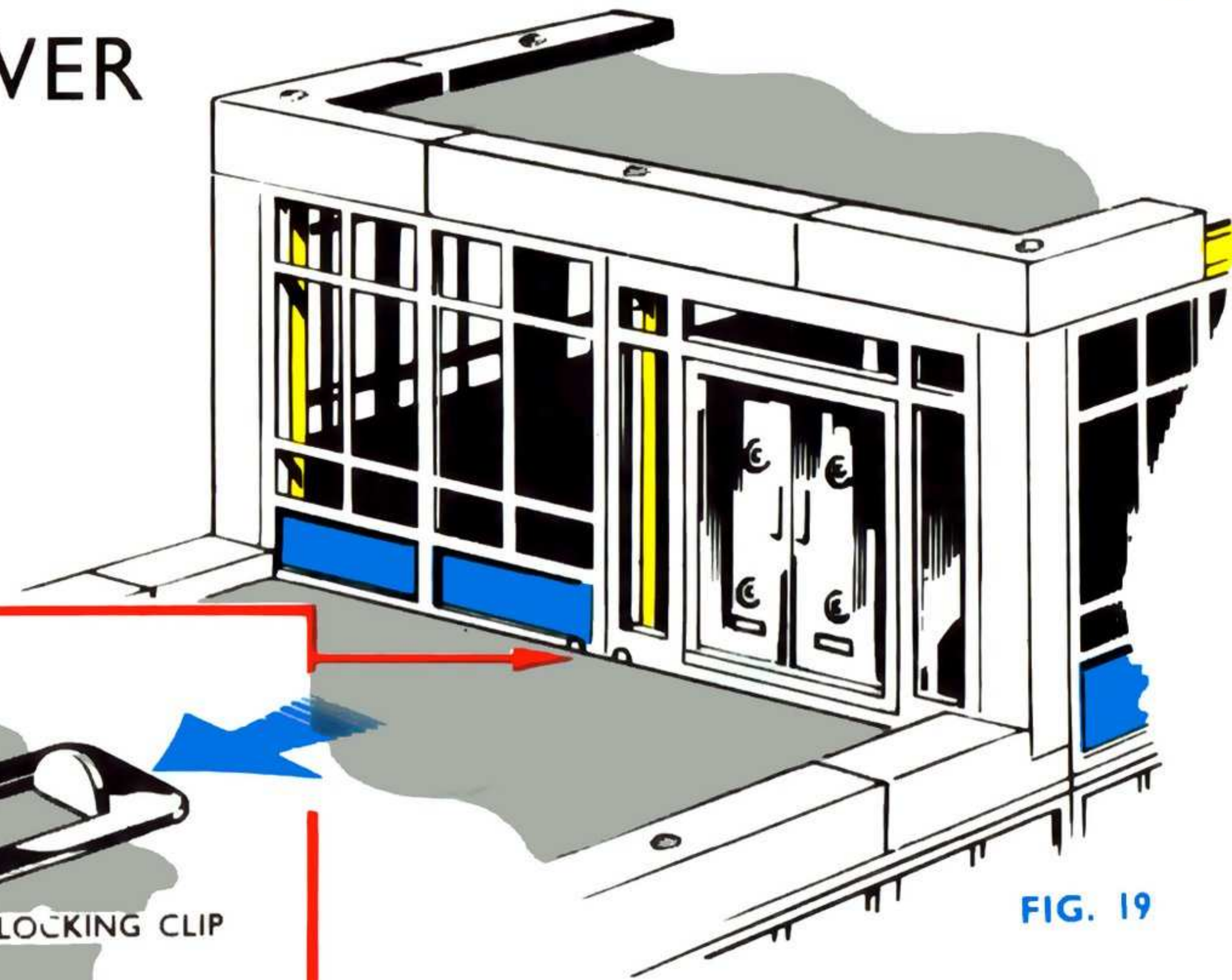
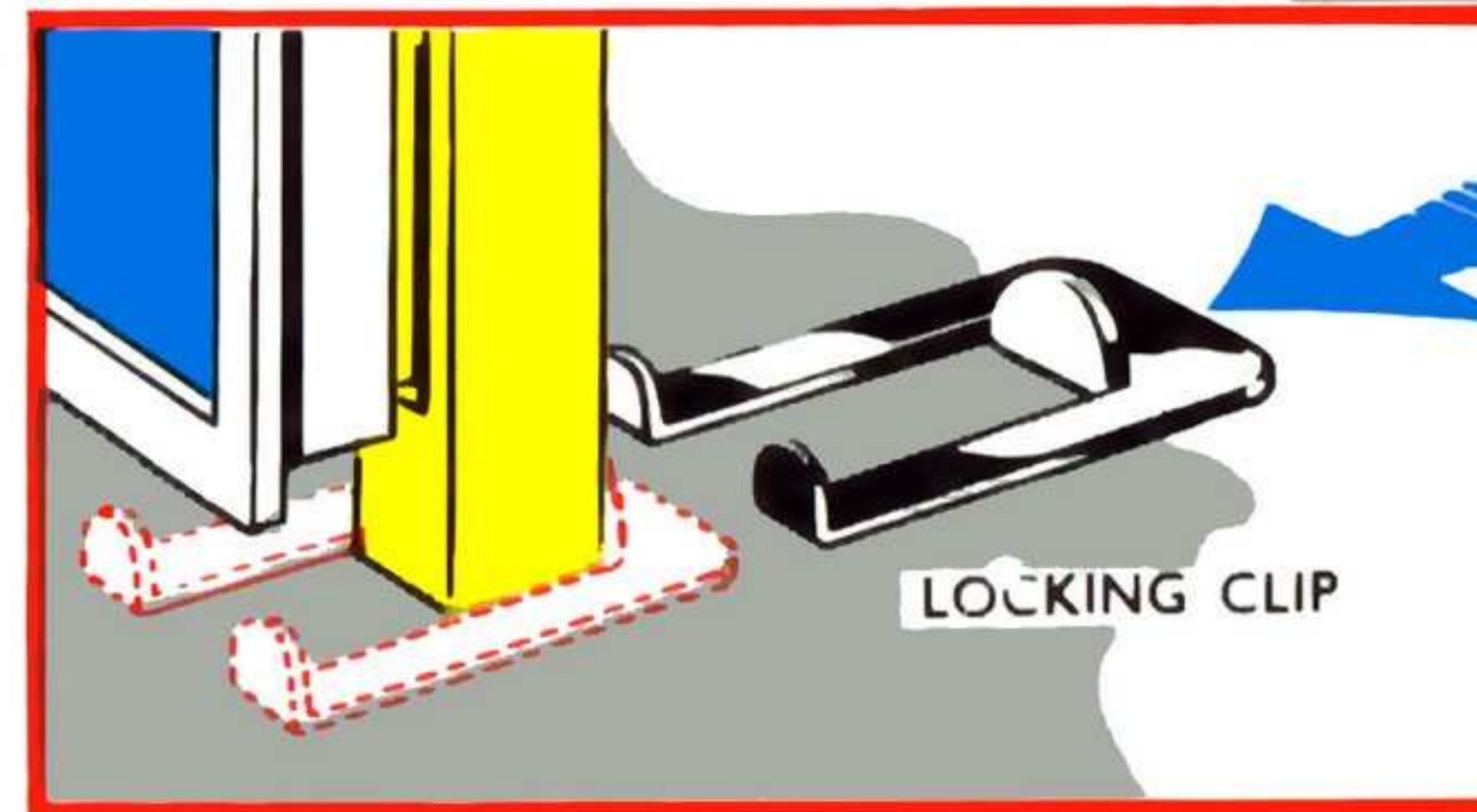


FIG. 19

THESE ARE THE ACCESSORIES NEEDED



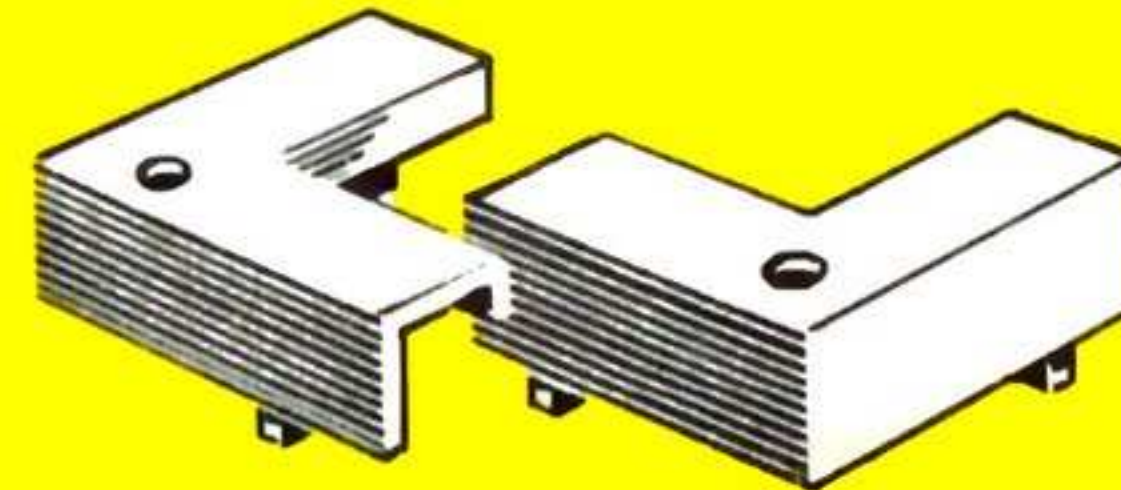
I SHORT OFFICE
WINDOW
No. A00/31A



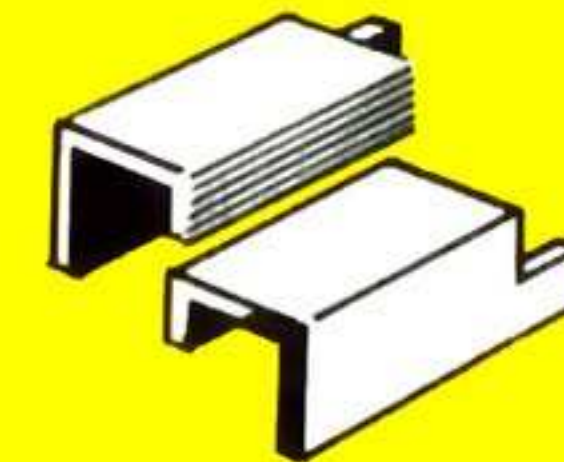
I SHORT SWING
DOOR SET
No. A00/55A



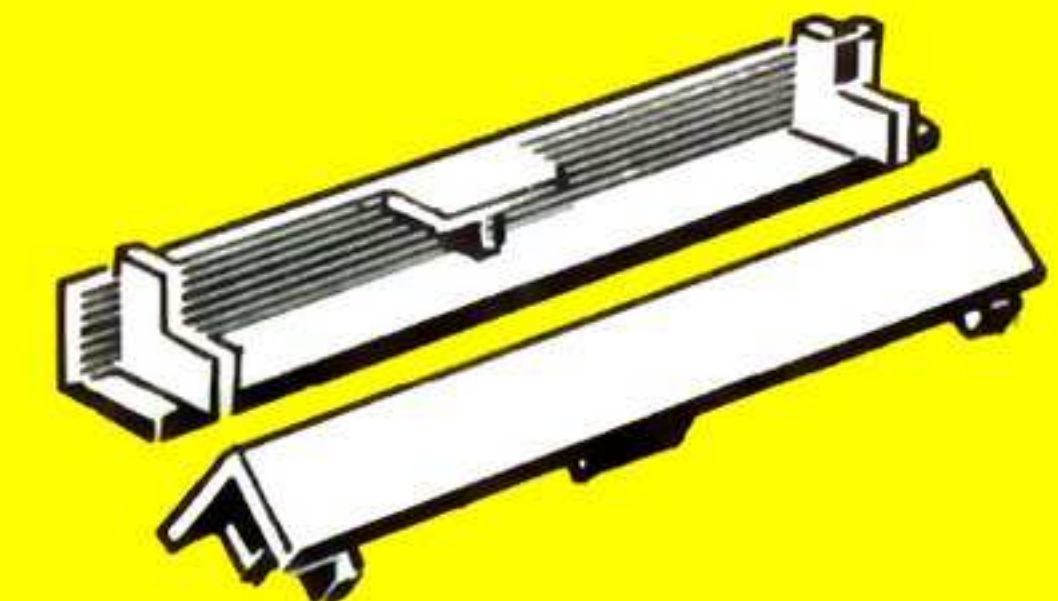
I LOCKING CLIP
No. A00/87



I Pair ROOF CORNERS
No. A00/15



2 SHORT ROOF STRAIGHTS
Left hand No. A00/61
Right hand No. A00/62



5 2 SHORT VERTICAL CORNERS
No. A00/58

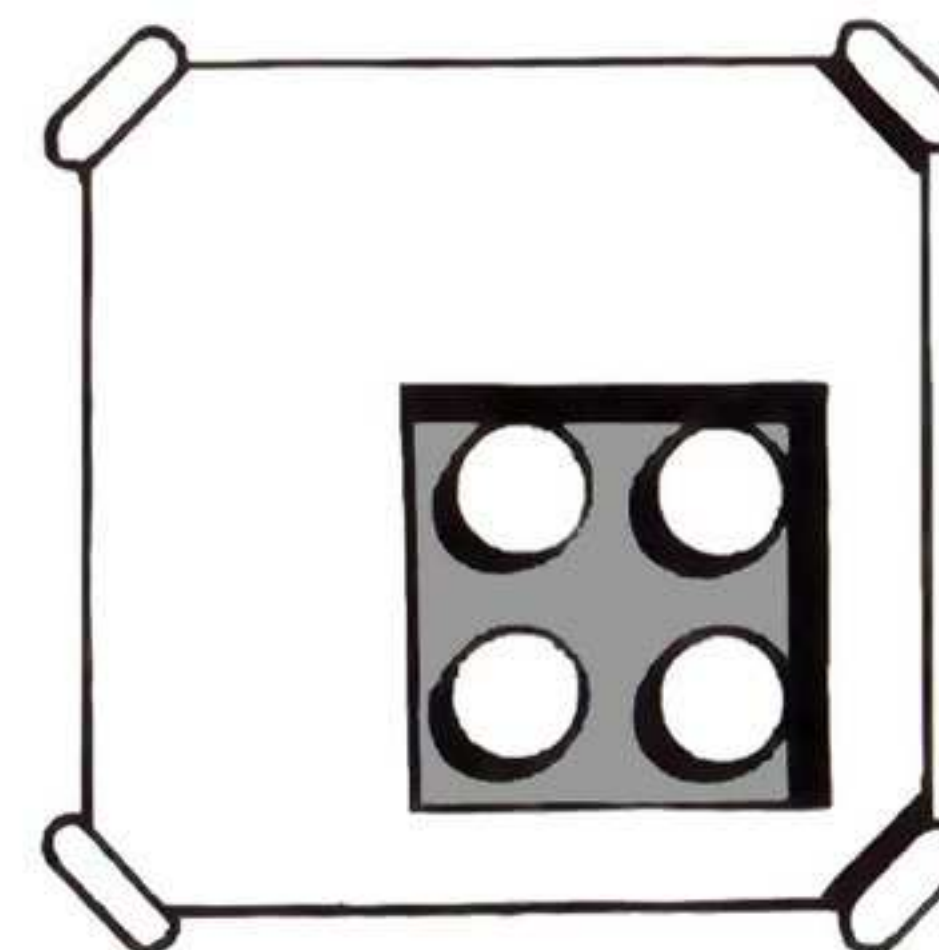
Tri-ang

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ARKITEX

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BUILDING WITH OVERHANG



Under view of floor support
showing alternative fixing
position for COLUMNS.

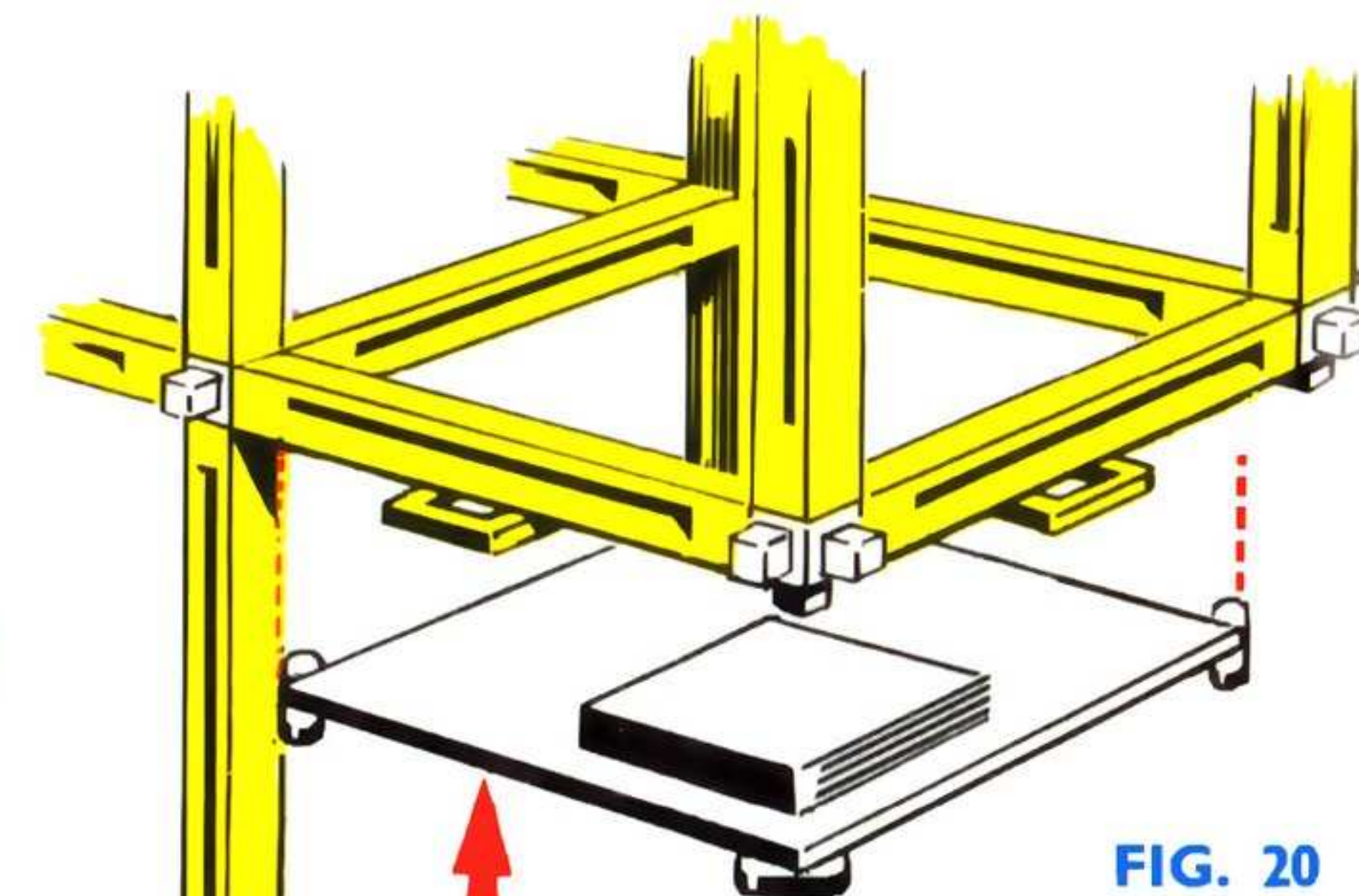


FIG. 20

SUPPORT
FLOOR
(Single unit)
Part No.
A.00/80

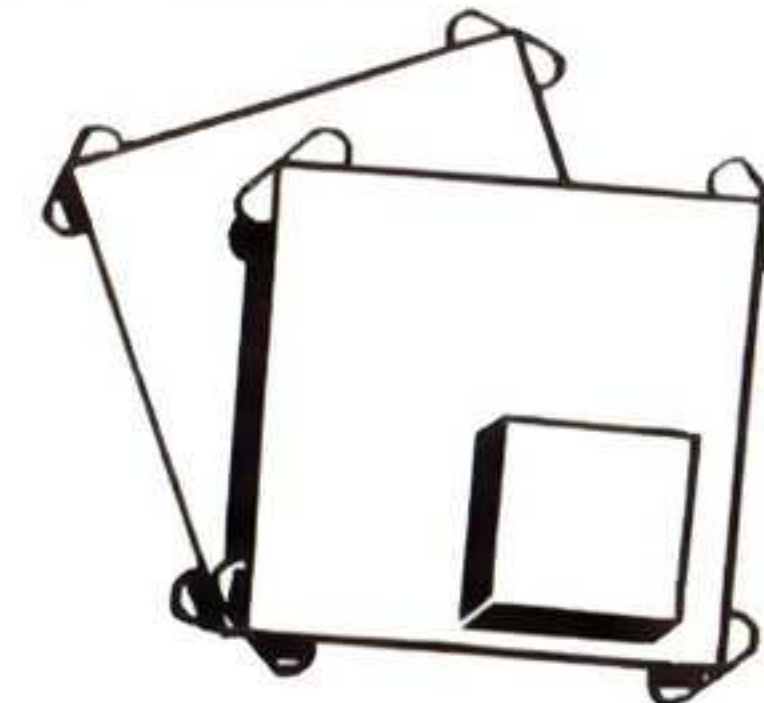
SUPPORT
COLUMN
Part No.
A.00/76

Part No.
A.00/101

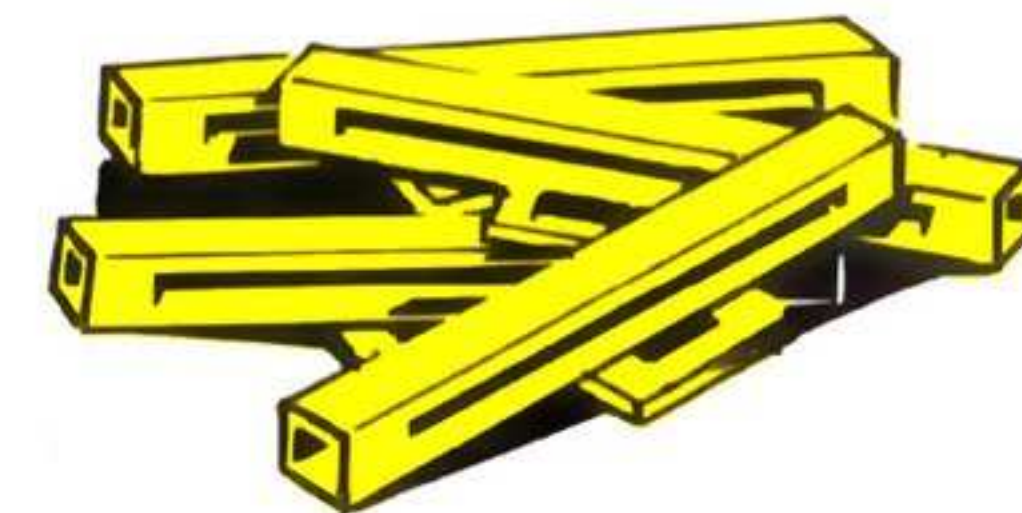
These are the accessories needed



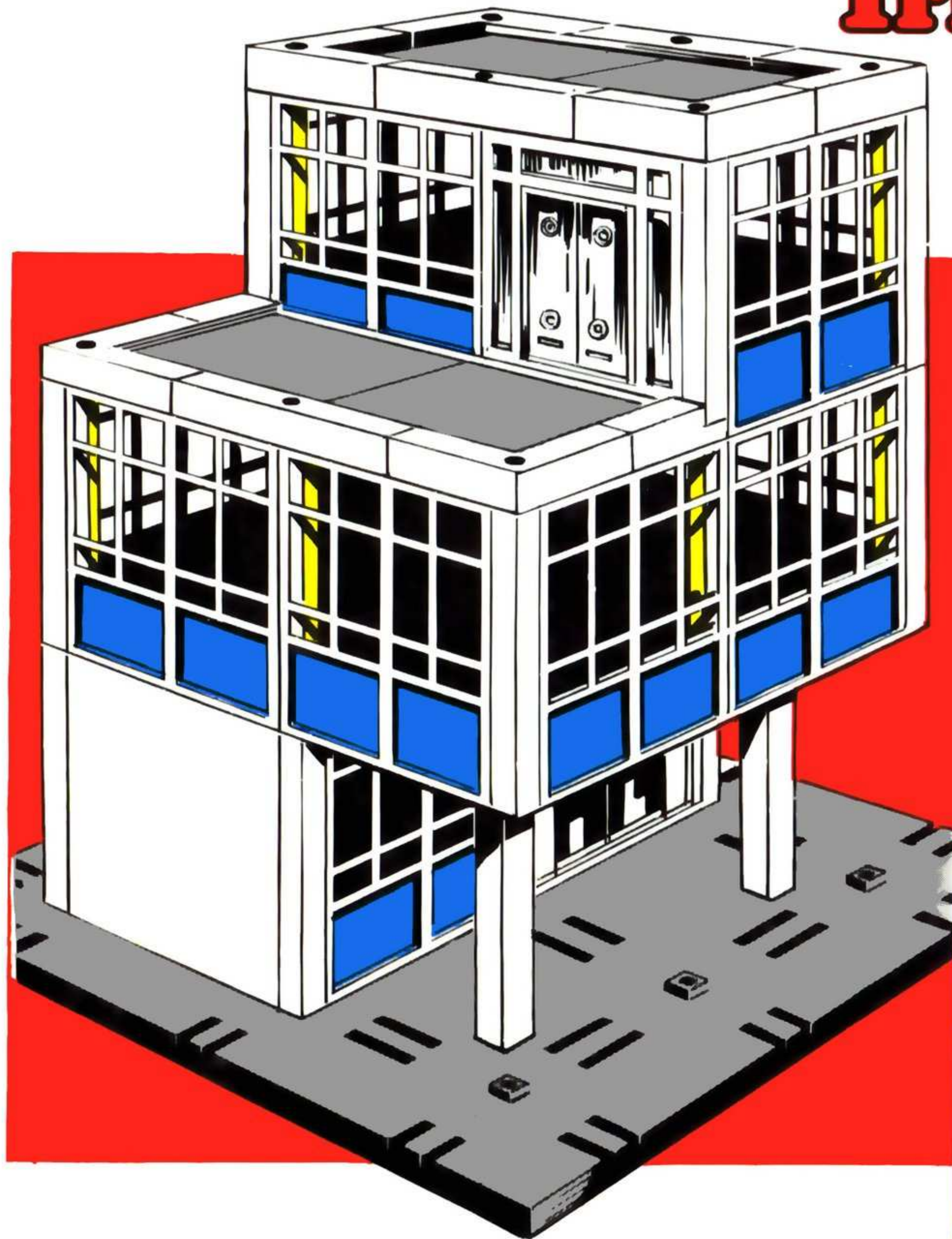
2 SUPPORT COLUMNS
Part No. A.00/76



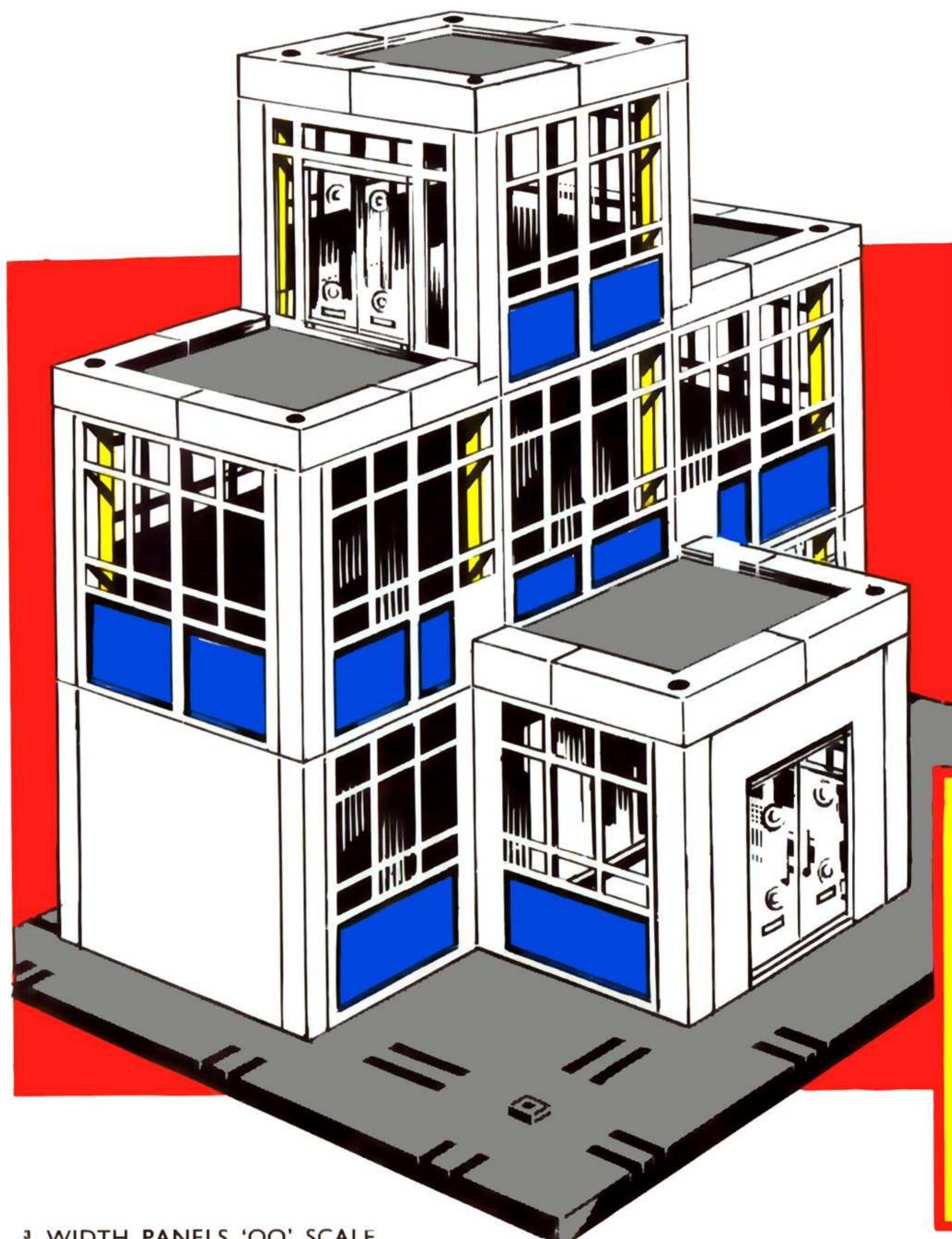
2 FLOOR SUPPORTS
Part No. A.00/80



4 OVERHANG CONNECTOR
BEAMS
Part No. A.00/77



BUILDING A PORCH



$\frac{3}{4}$ WIDTH PANELS 'OO' SCALE
These are of the same type i.e. interchangeable—Left or Right.

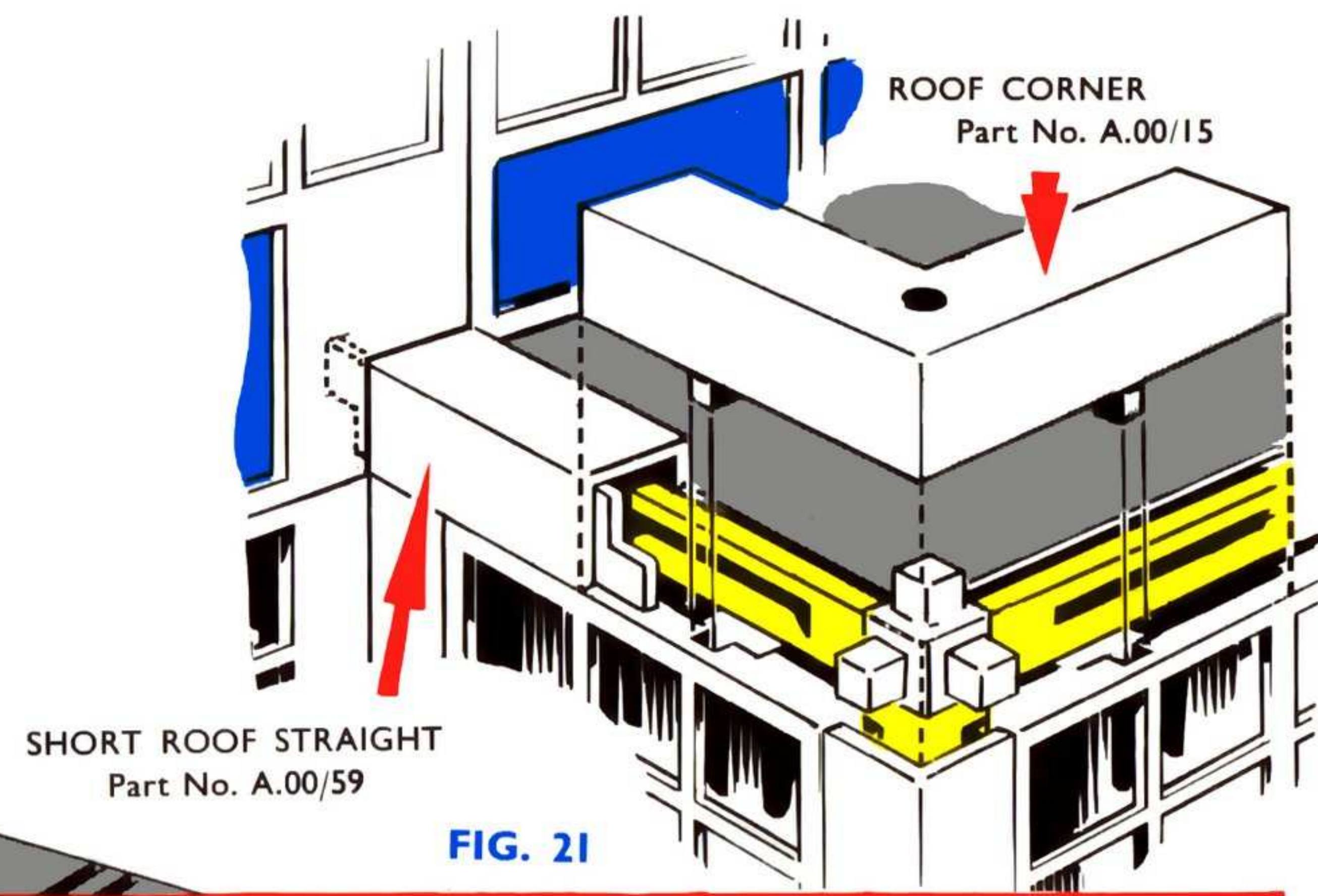


FIG. 21

These are the accessories needed

	Part No.
A. 1 L/H WINDOW	A00/45A
B. 1 R/H WINDOW	A00/46A
C. 1 SHORT WINDOW	A00/31A
D. 4 $\frac{3}{4}$ WIDTH WINDOWS	A00/21A
F. 2 SHORT ROOF STRAIGHTS	A00/59
G. 2 ROOF CORNERS	A00/15
H. 2 VERTICAL CORNERS	A00/13

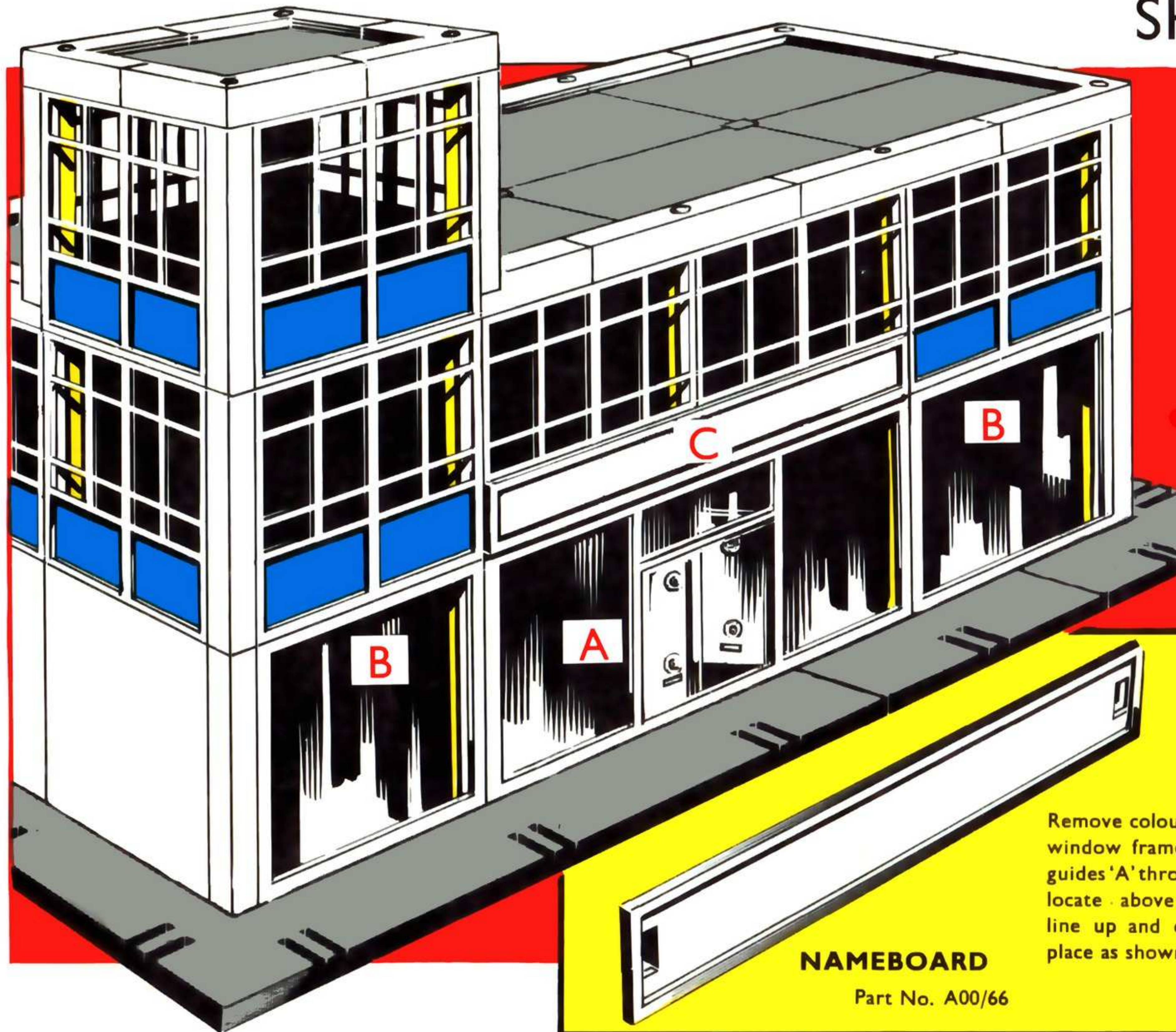
Items A. B. C. & D. are complete with 'glass' and coloured panels.

SHOPS or SHOWROOMS

Spacious premises suitable as Motor Showrooms, for 'Spot-on' cars and trade vehicles. Furniture stores, Supermarkets, Exhibition Halls and countless other purposes.

These are the accessories needed for Shopfront as illustrated.

- A** 1 GLASS DOUBLE UNIT SWING DOOR SET. Part No. A00/67A
- B** 2 GLASS SINGLE UNIT SHOP WINDOWS Part No. A.00/71
- C** 1 SHOP NAMEBOARD. Part No. A00/66



NAMEBOARD

Part No. A00/66

Remove coloured panels from window frames and push the guides 'A' through the spaces to locate above the lugs 'B', line up and drop down into place as shown. (FIG. 22).

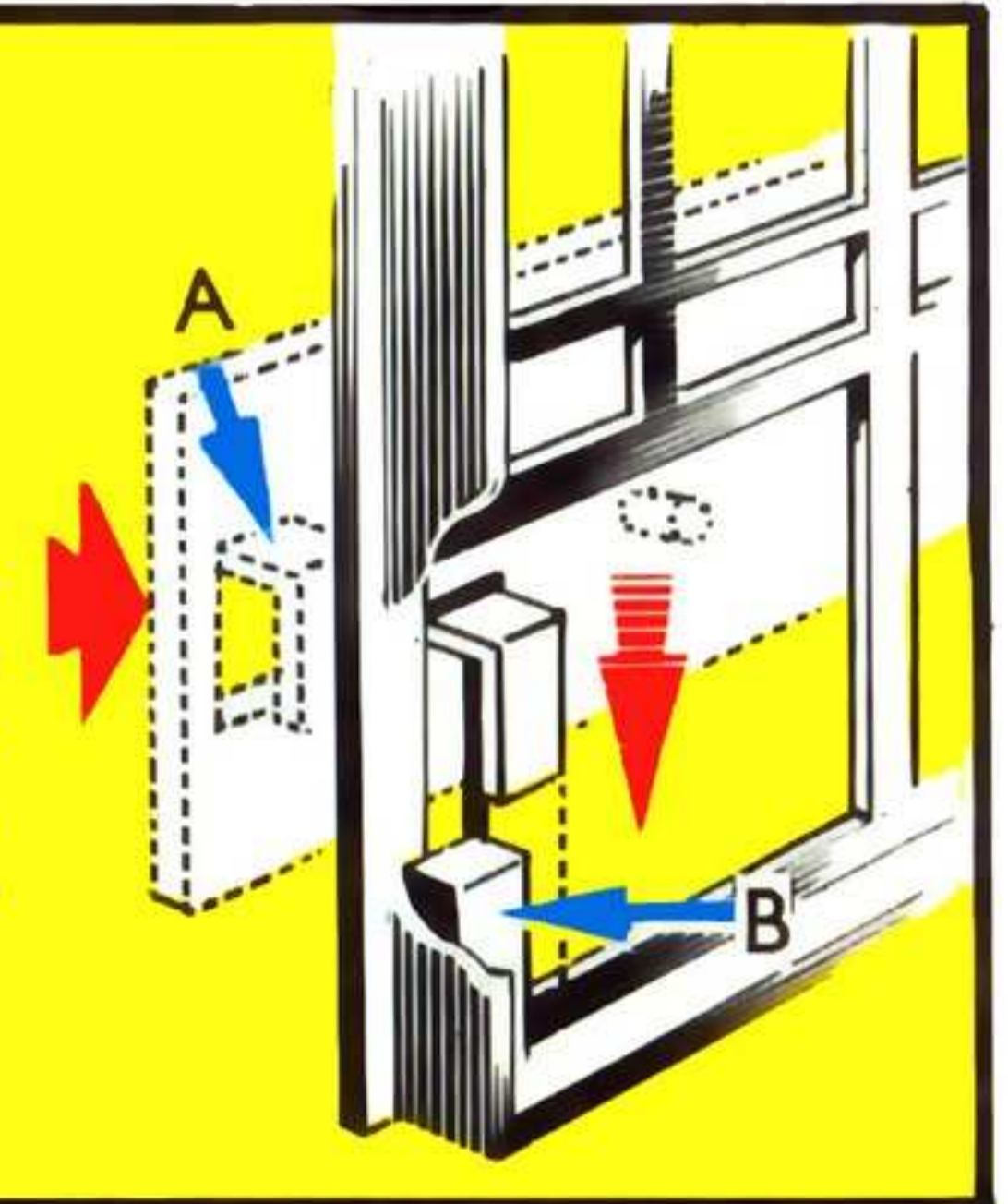
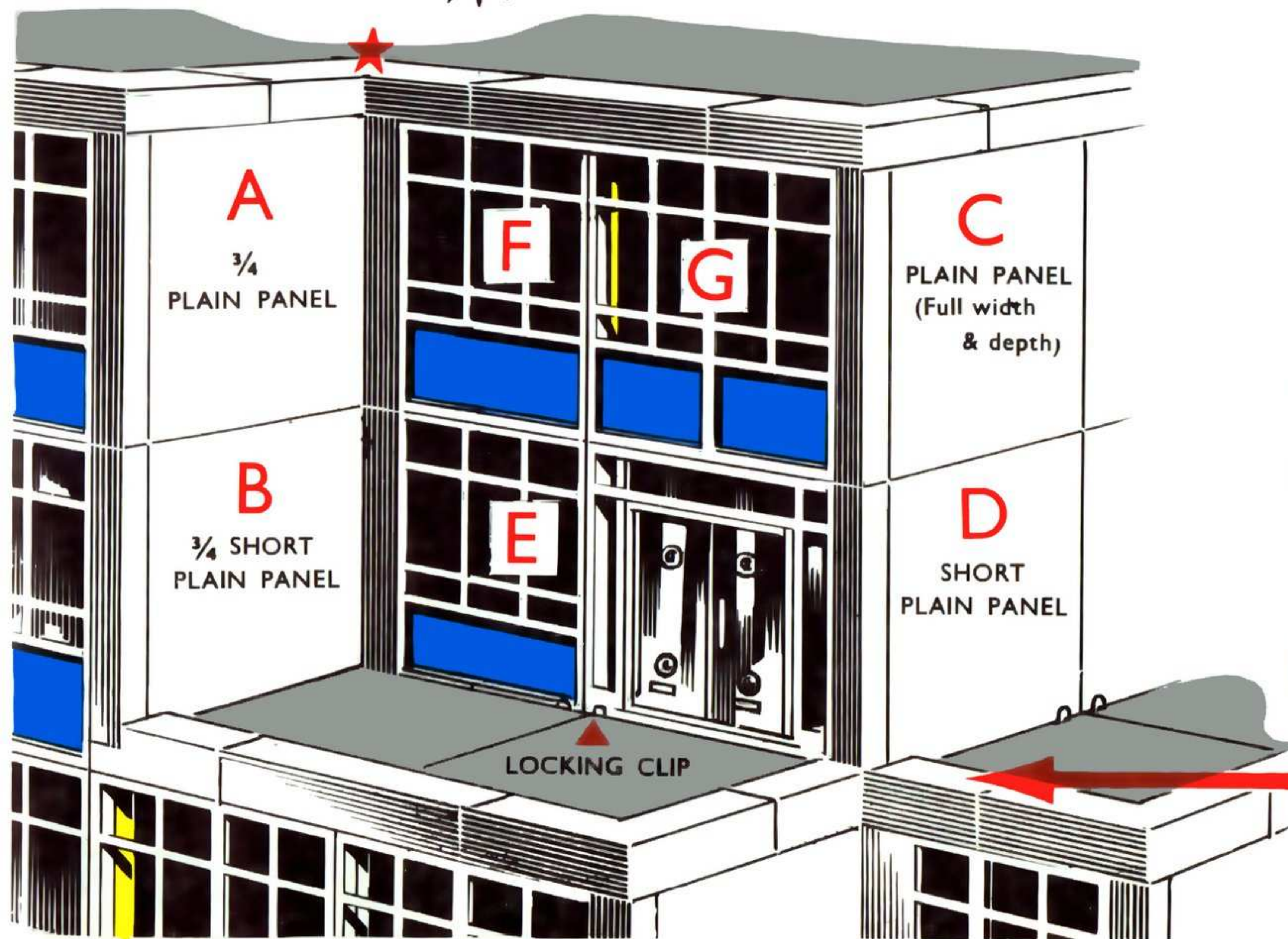


FIG 22

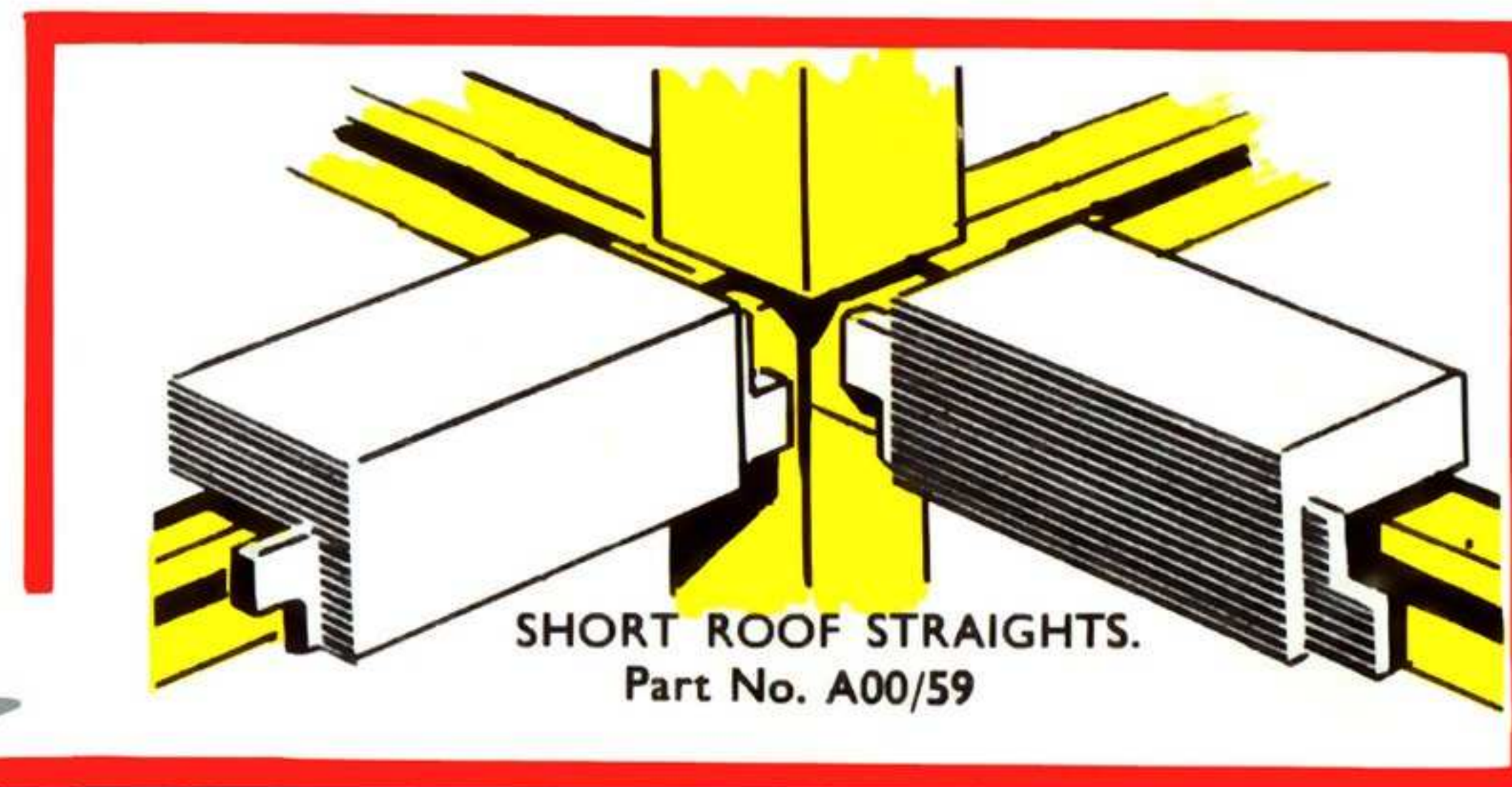
THE BUILDING ILLUSTRATED ABOVE REQUIRES: 1 9 HOLE BASE No. A00/3 and 2, 3 HOLE BASES No. A00/2

INCREASING HEIGHT (BUILDING UPWARD FROM FLAT ROOF)

When adding floors to an existing Penthouse type of structure, it is very important that full depth panels are used as illustrated.



INSIDE
ROOF CORNER
Part No. A00/60



SHORT ROOF STRAIGHTS.
Part No. A00/59

- E** SHORT $\frac{3}{4}$ OFFICE WINDOW Part No. A00/36
F $\frac{3}{4}$ OFFICE WINDOW Part No. A.00/21
G OFFICE WINDOW 'A' type Part No. A.00/9

PANEL VARIATIONS on 'A', 'B', 'C', and 'D'.

A $\frac{3}{4}$ PLAIN PANEL

ROUGHCAST FINISH . A00/25
 BRICKWORK FINISH . A00/26
 CONCRETE FINISH . A00/27

B $\frac{3}{4}$ SHORT PLAIN PANEL

ROUGHCAST FINISH . A00/39
 BRICKWORK FINISH . A00/40
 CONCRETE FINISH . A00/41

C PLAIN PANEL (Full width & depth)

ROUGHCAST FINISH . A00/4
 BRICKWORK FINISH . A00/5
 CONCRETE FINISH . A00/6

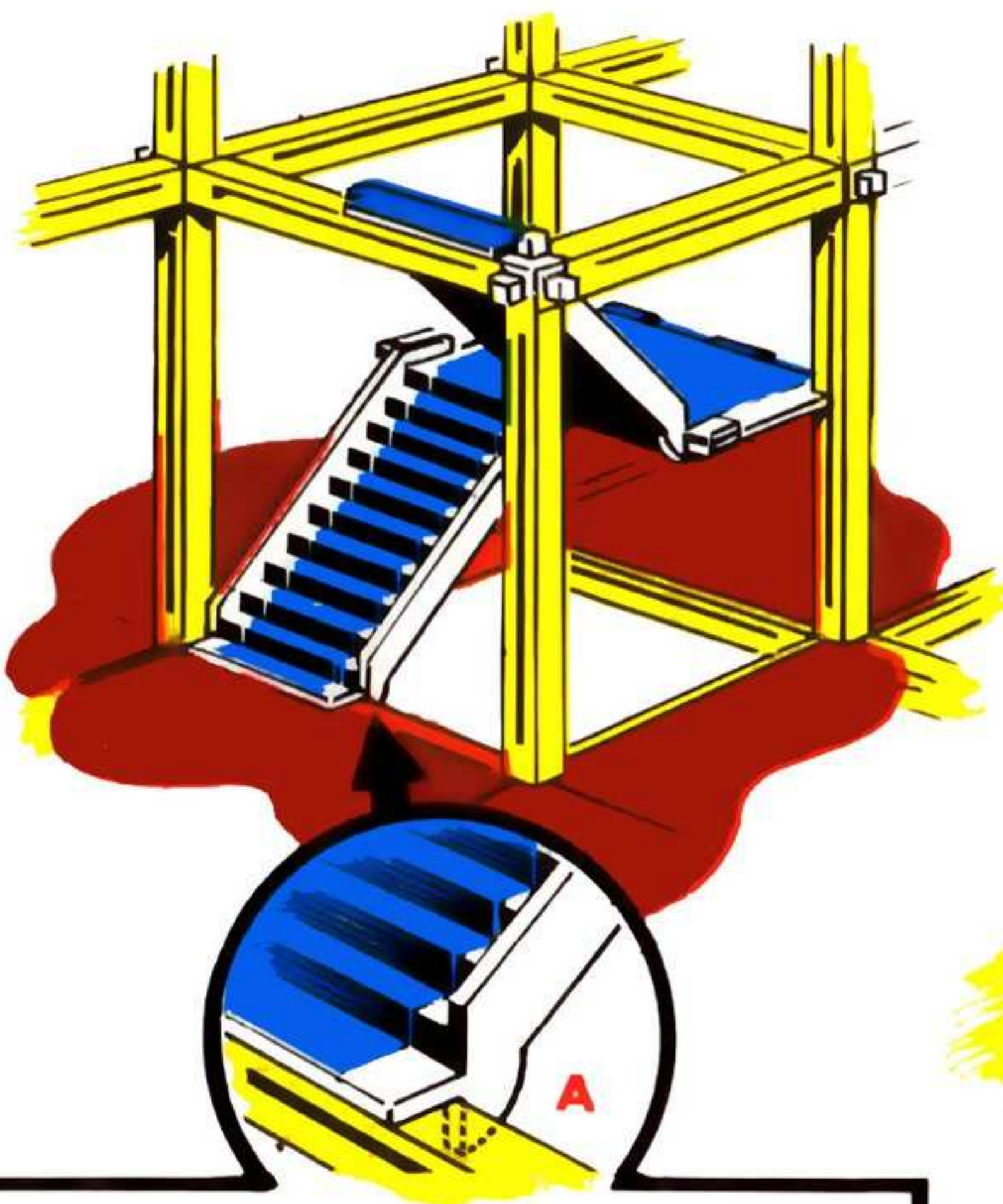
D SHORT PLAIN PANEL

ROUGHCAST FINISH . A00/33
 BRICKWORK FINISH . A00/34
 CONCRETE FINISH . A00/35

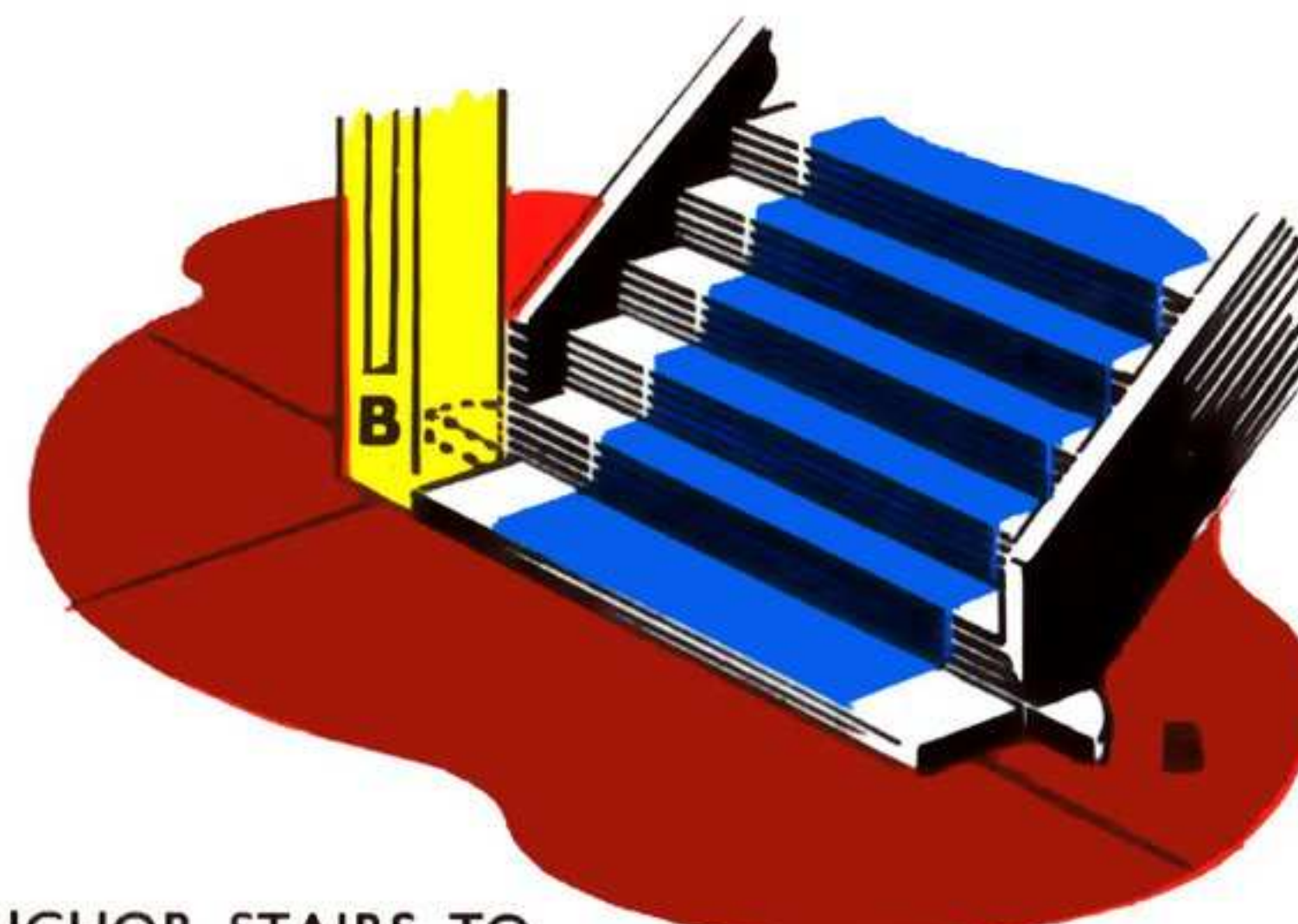
MULTI PURPOSE STAIRWAY KIT No. KA/OOS

Comprises:
2 FLIGHTS OF STAIRS. 1 HALF LANDING.
1 SET OF LOWER TREADS (For ground level).

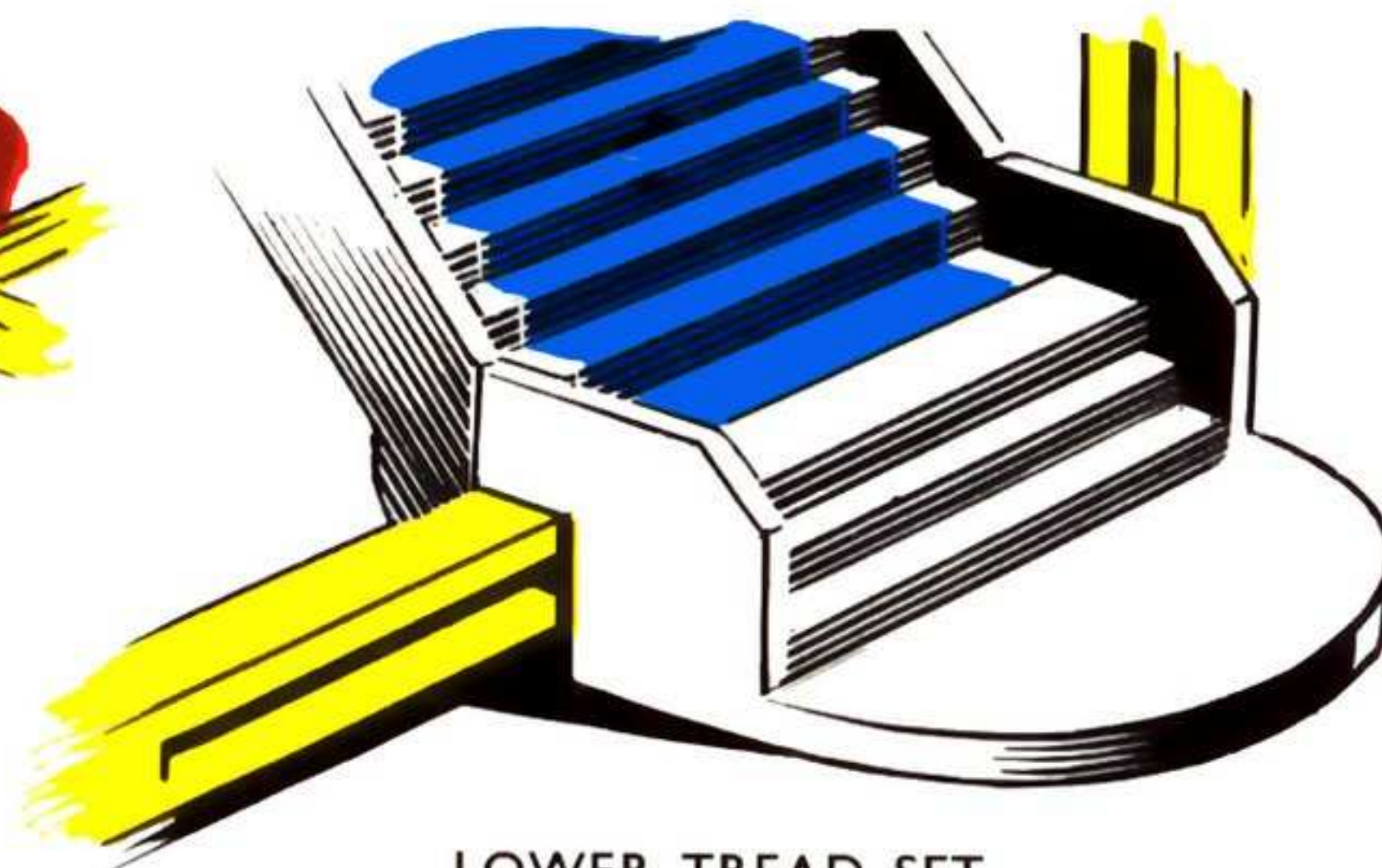
MODERN BUILDING
CONSTRUCTION KITS



ANCHOR STAIRS TO HORIZONTAL BEAM
WITH LUG 'A'



ANCHOR STAIRS TO
VERTICAL BEAM WITH LUG 'B'



LOWER TREAD SET
Part No. A00/65

Illustrated here are but a few of the ways
in which the stairways may be incorporated
in the buildings.

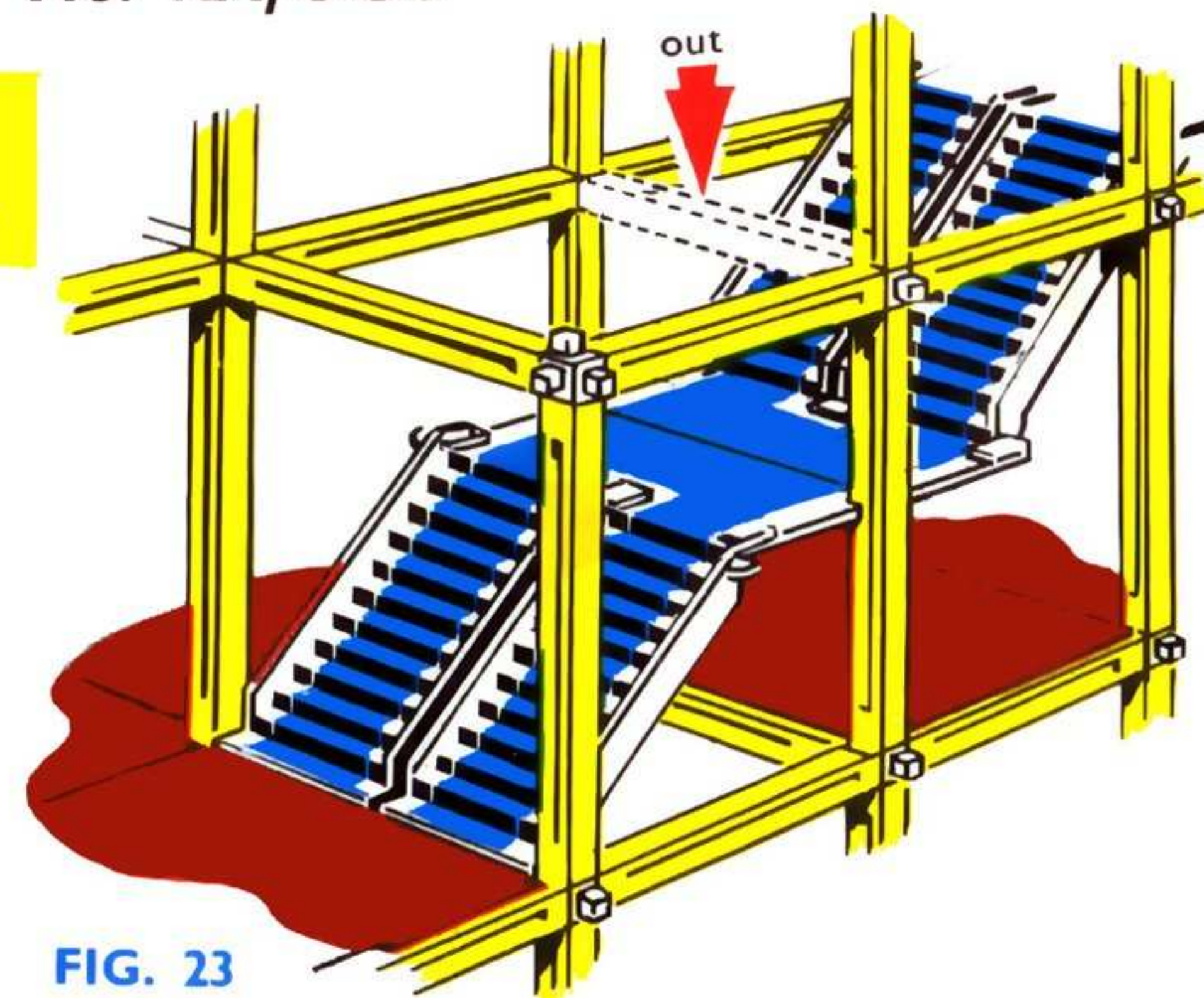
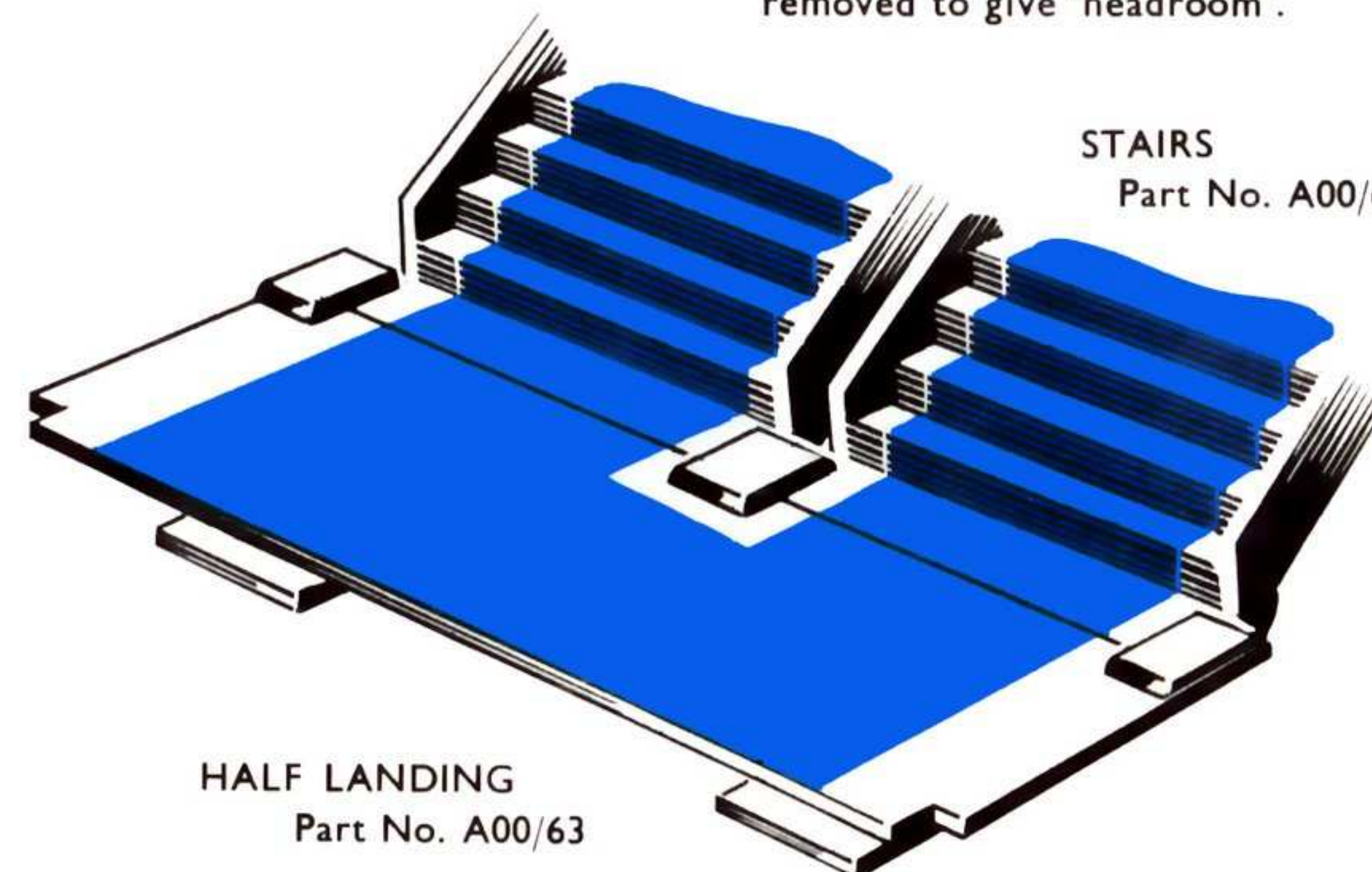


FIG. 23

When constructing double width
rise, the connector beam shown
by arrow above (FIG. 23) must be
removed to give 'headroom'.



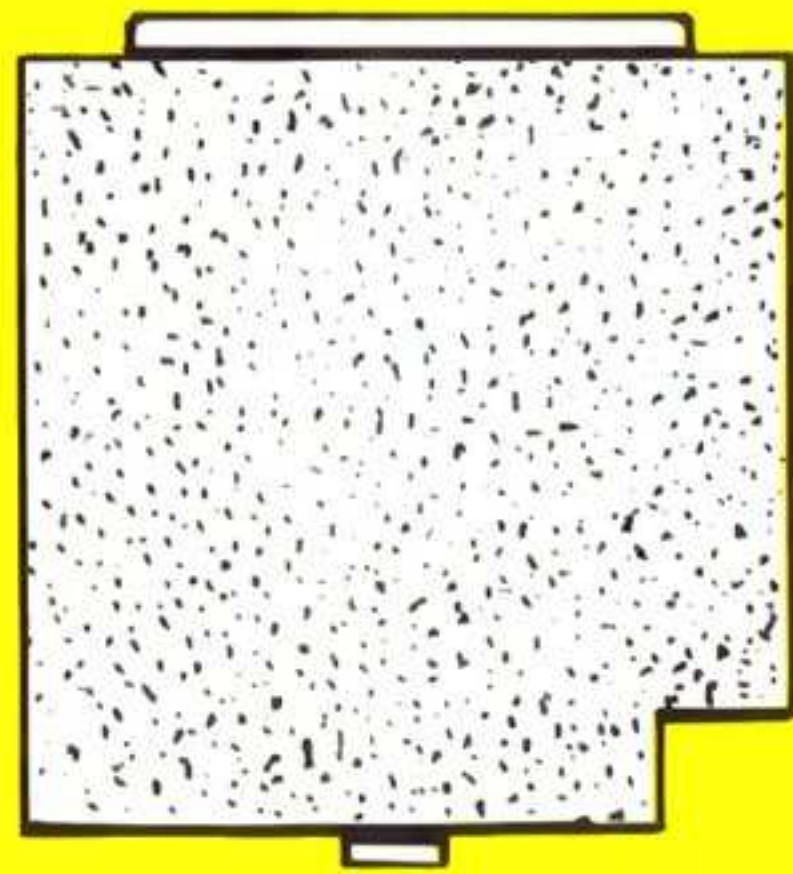
HALF LANDING
Part No. A00/63

STAIRS
Part No. A00/64

SPARES and ACCESSORIES

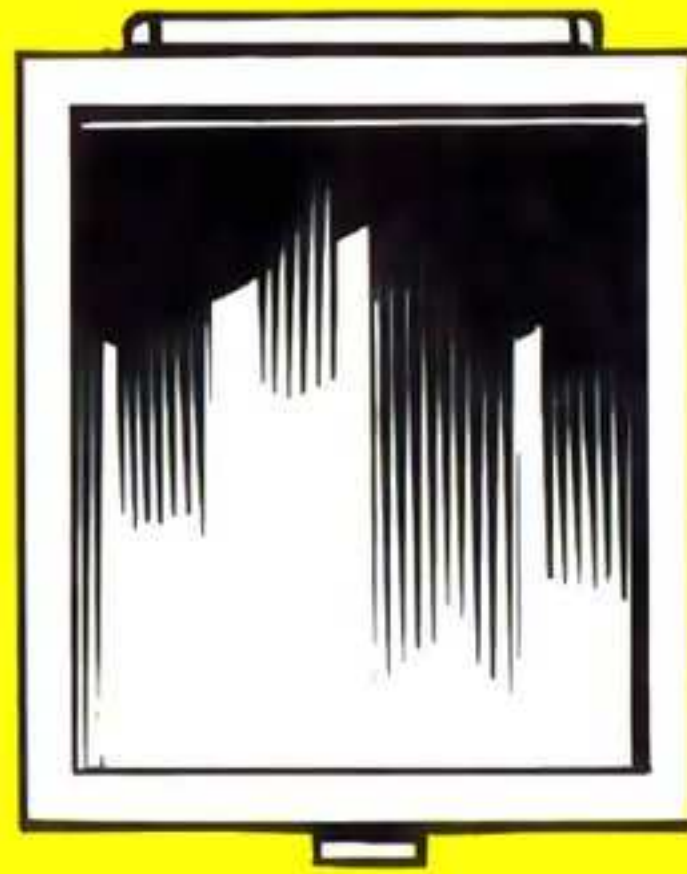
(Available only through your stockist)

ITEMS OTHER THAN THOSE ALREADY ILLUSTRATED AND DESCRIBED IN THE HANDBOOK



LEFT HAND PANEL

● ROUGHCAST A00/47
BRICKWORK A00/48
CONCRETE A00/49

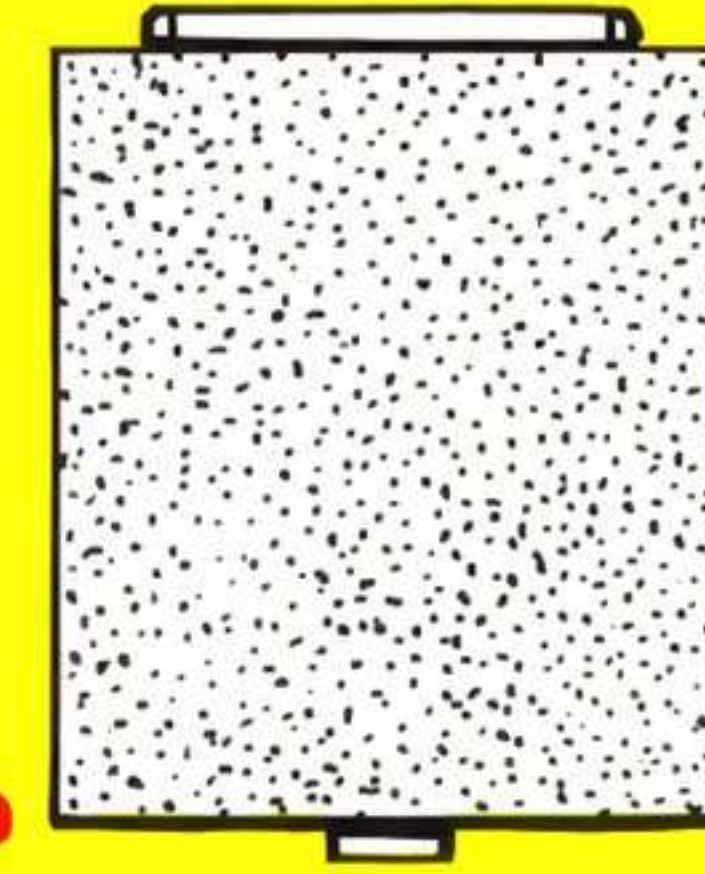


$\frac{3}{4}$ SHOP WINDOW

Part No. A00/73A
(Frame with 'glass' complete)

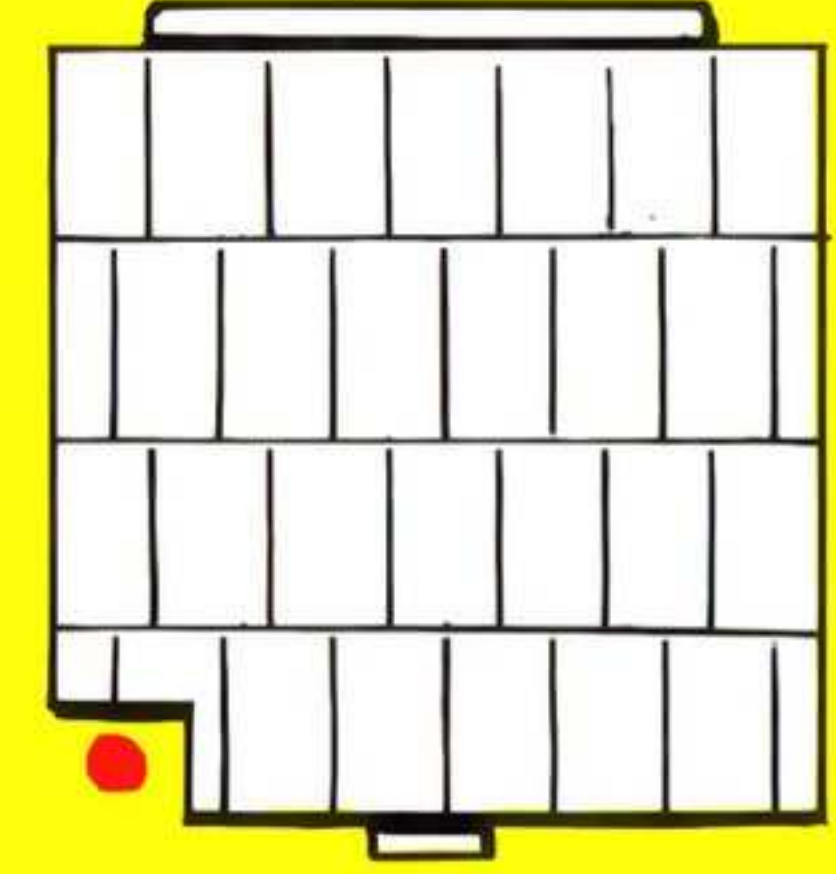


MODERN
BUILDING
EQUIPMENT



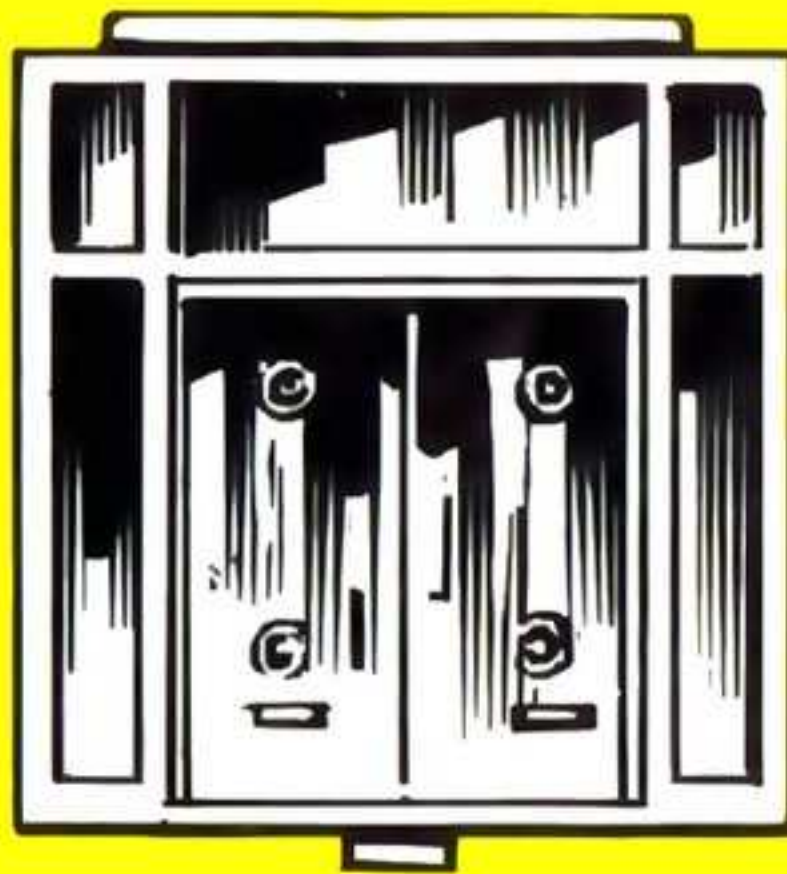
$\frac{3}{4}$ PLAIN PANEL

● ROUGHCAST A00/25
BRICKWORK A00/26
CONCRETE A00/27



RIGHT HAND PANEL

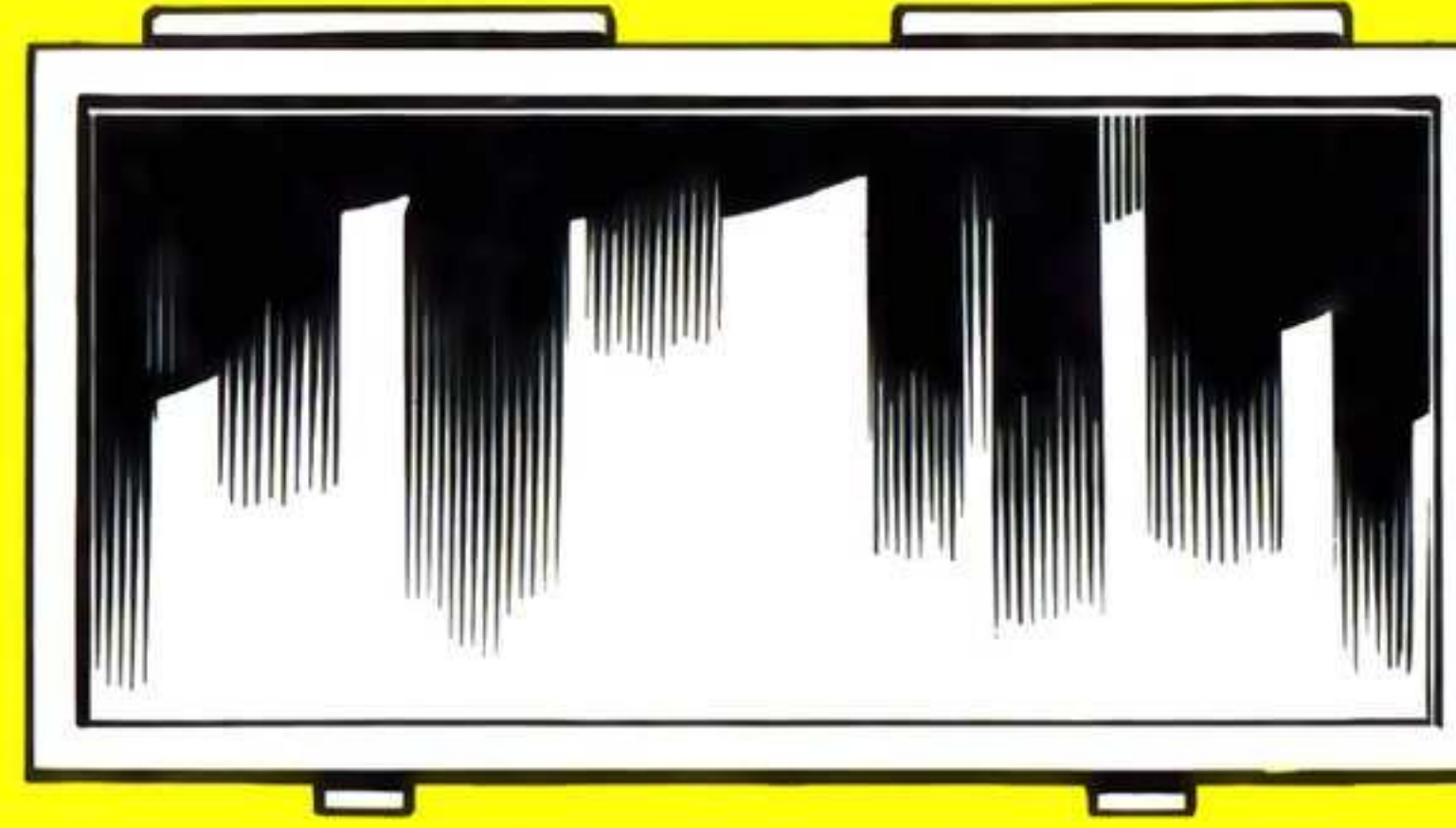
● ROUGHCAST A00/50
BRICKWORK A00/51
CONCRETE A00/52



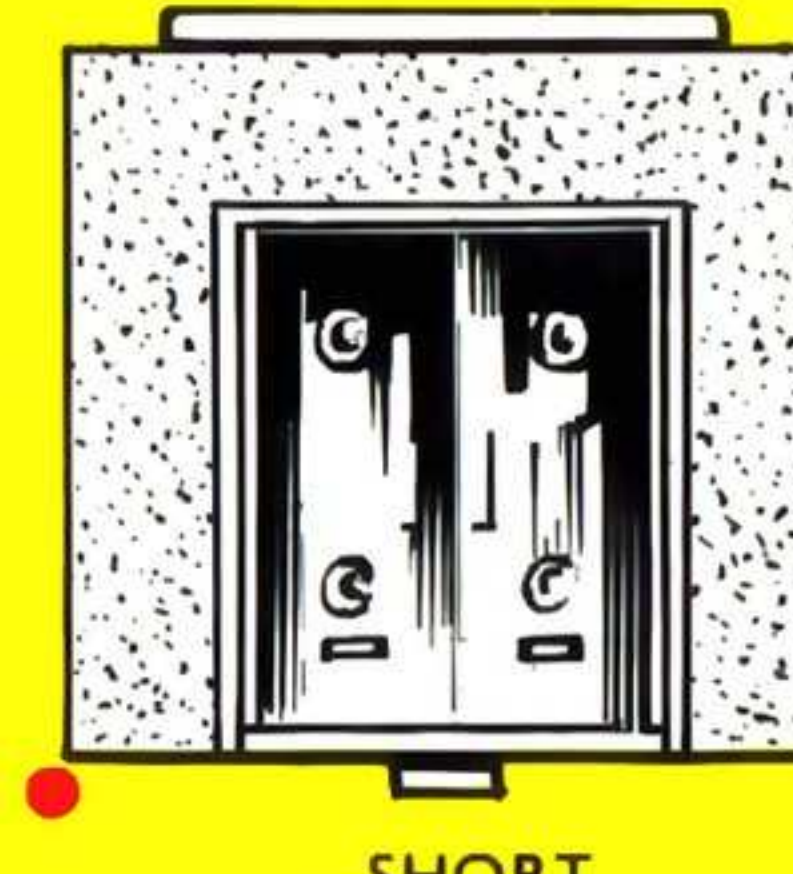
GLASS SWING DOOR SET
Part No. A00/53A



SHORT
GLASS SWING DOOR SET
Part No. A00/55A



'GLASS' DOUBLE UNIT SHOP WINDOW
Part No. A00/69A
(Frame with 'glass' complete)



SHORT
PLAIN SWING DOOR SET

● ROUGHCAST A00/57A
BRICKWORK A00/83A
CONCRETE A00/84A



PLAIN SWING DOOR SET

● ROUGHCAST A00/10A
BRICKWORK A00/81A
CONCRETE A00/82A



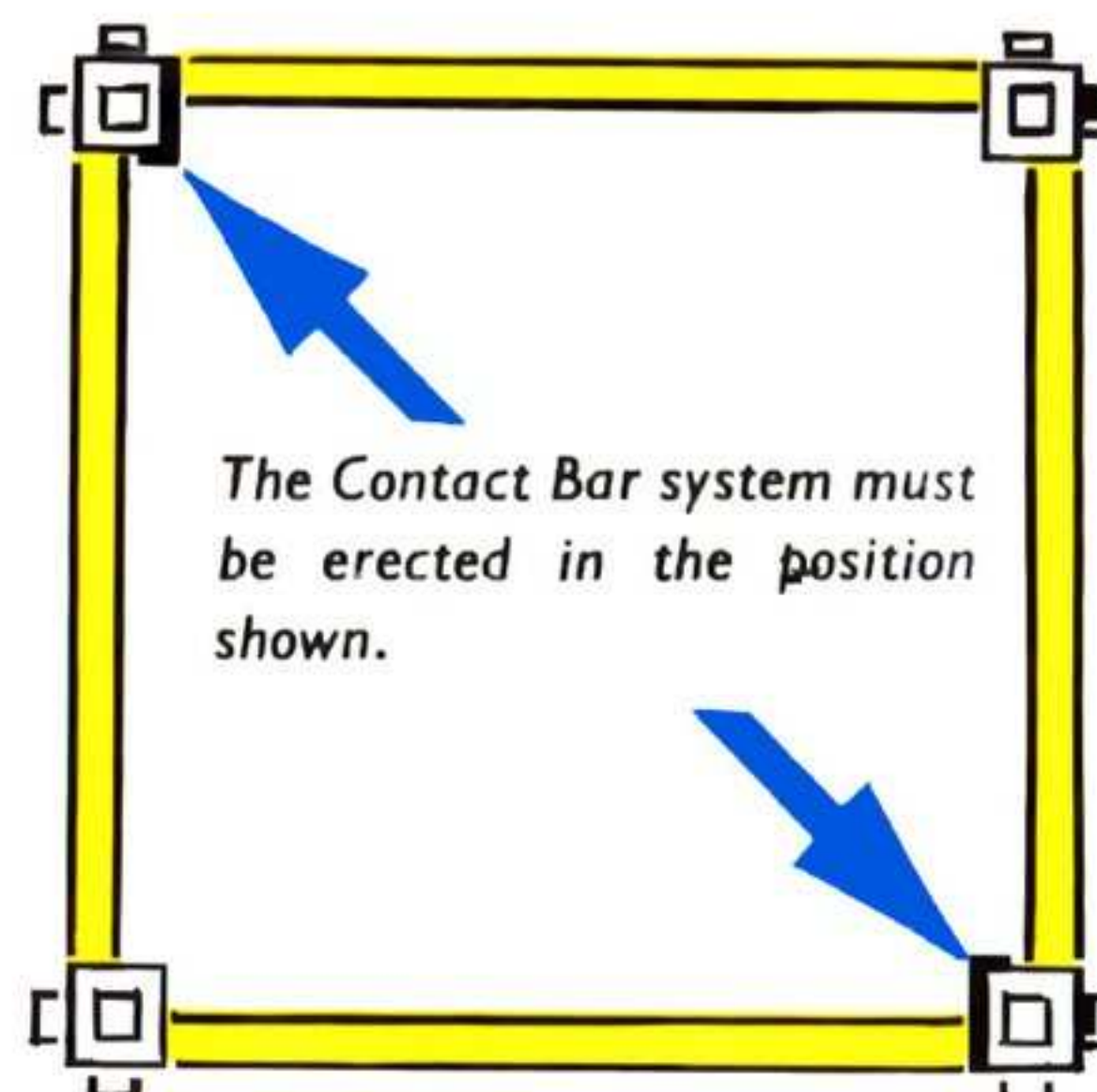
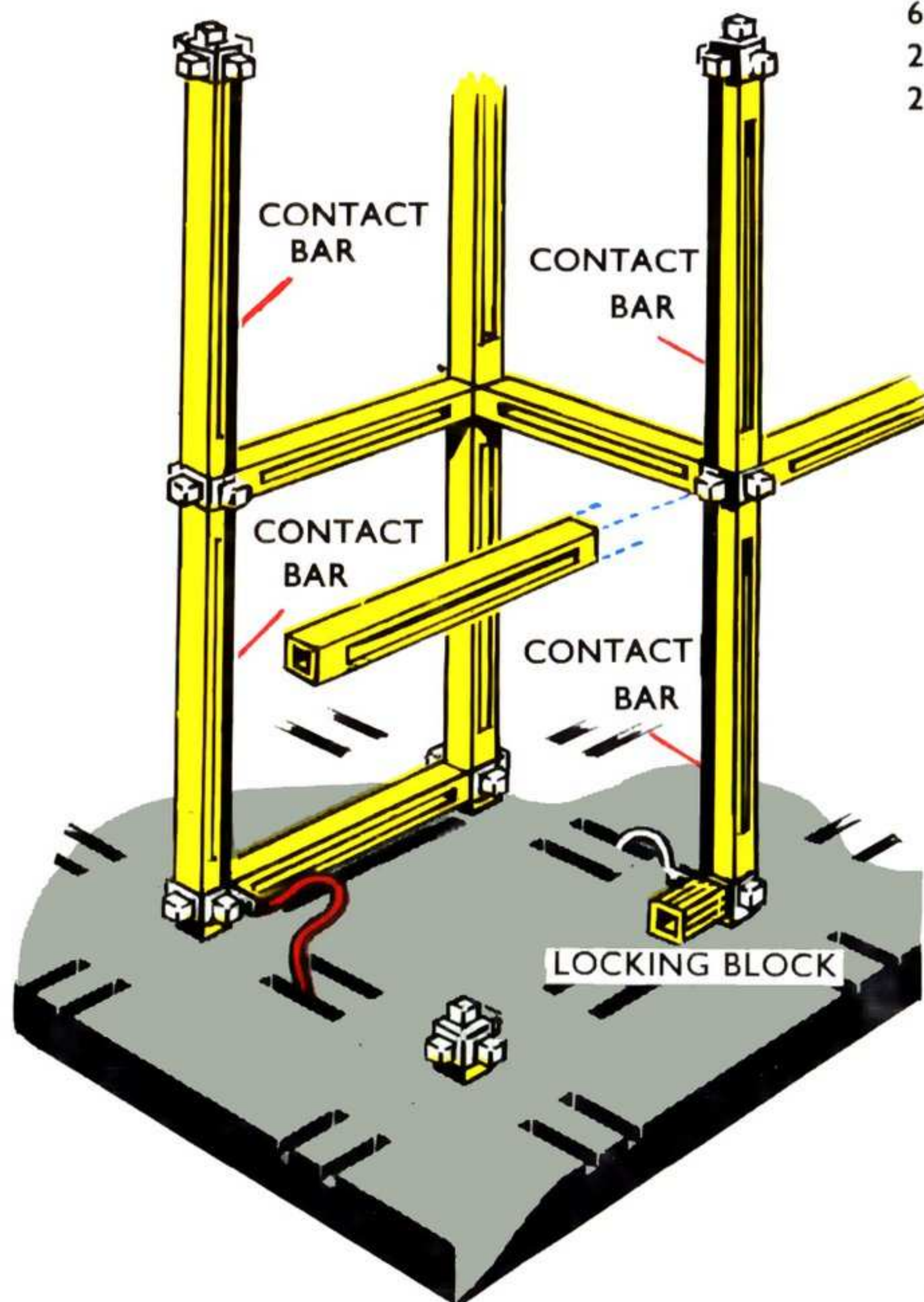
THIS RANGE OF ACCESSORIES WILL BE ADDED TO FROM TIME TO TIME



LIGHTING SET. KIT No. KA-00/L

SET COMPRISING:—

- 2 FLOORS (with bulb holder).... Part No. AOO/89
- 6 CONTACT BARS..... Part No. AOO/92
- 2 LOCKING BLOCKS..... Part No. AOO/93
- 2 LAMP GLASSES..... Part No. AOO/94
- 2 LIGHTING LEADS (with eyelets)
- 2 3·5-VOLT BULBS



BUILDING IN LIGHTING SYSTEM

1. Erect Connector Beam with Connector Block 'B' fitted to top (Fig. 24).
2. Fit Contact Bar 'A' on to Block 'B' and secure bottom of Contact Bar with square eyelet 'C'. Push on Locking Block 'D' and secure.
3. Fit Connector Beam 'E' (with a Connector Block fitted to the top) on to Connector Block 'B' and fit the next Contact Bar 'F' in the same way, but with the bottom prong behind the square eyelet of the first Contact Bar to ensure good electrical contact.
4. Lock Contact Bars into place by pushing on Connector Beam 'G'.
5. Build up diagonally opposed assembly in the same way (see plan above).

LIGHTING LEADS

The ends of the leads with the round eyelets may be passed through any convenient slots in the base plate and connected to the 4½-volt Terminal Battery.

LOCKING BLOCK Part No. AOO 93

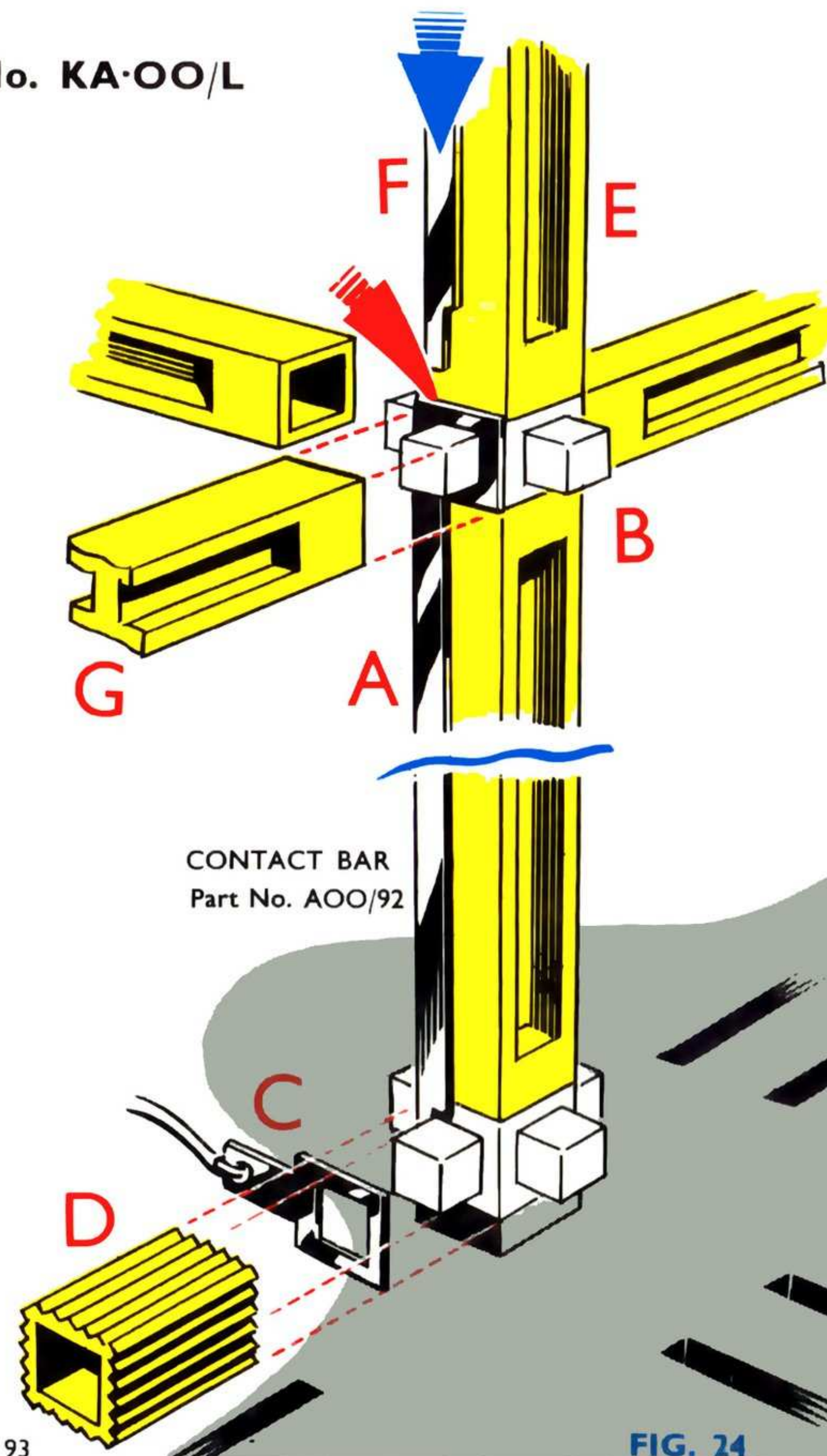
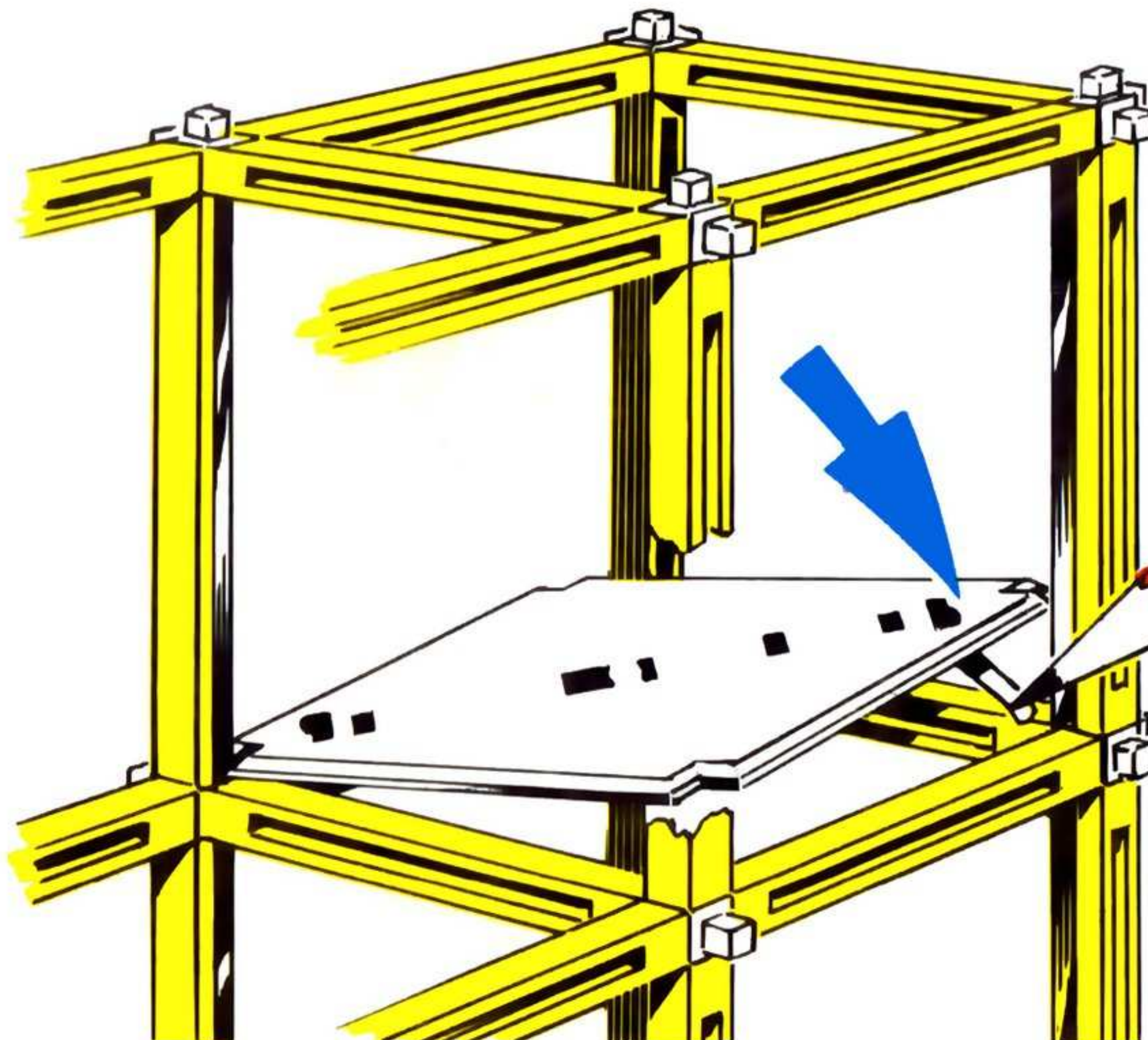


FIG. 24

FLOORS OR CEILINGS



Care must be taken not to force the metal tongue too far back. Guide it into place gently with a pencil or matchstick or similar object.

IT MUST AT ALL TIMES MAKE FIRM CONTACT WITH THE CONTACT BAR.

ASSEMBLING

1. Screw Bulb into holder or underside of Floor Unit and fit Lamp Glass.
2. Place corner 'H' of Floor Unit against Contact Bar attached to vertical beam (see illustration above) then guide metal tongue, under the opposite corner, into place and press down.

3. It is better to put the Floor Unit into position AFTER the framework of the building, with Contact Bars in place, has been completed.

To ensure a perfect lighting system make certain that:—The Bulb is screwed in tight; the metal tongues are making perfect contact with the Contact Bars

SPARES

(Available only through your stockist)



FLOOR/CEILING.....Part No. AOO/89
(complete)

3.5 volt Bulb

LAMP GLASS,
Part No. AOO/94

LOCKING BLOCK,
AOO/93

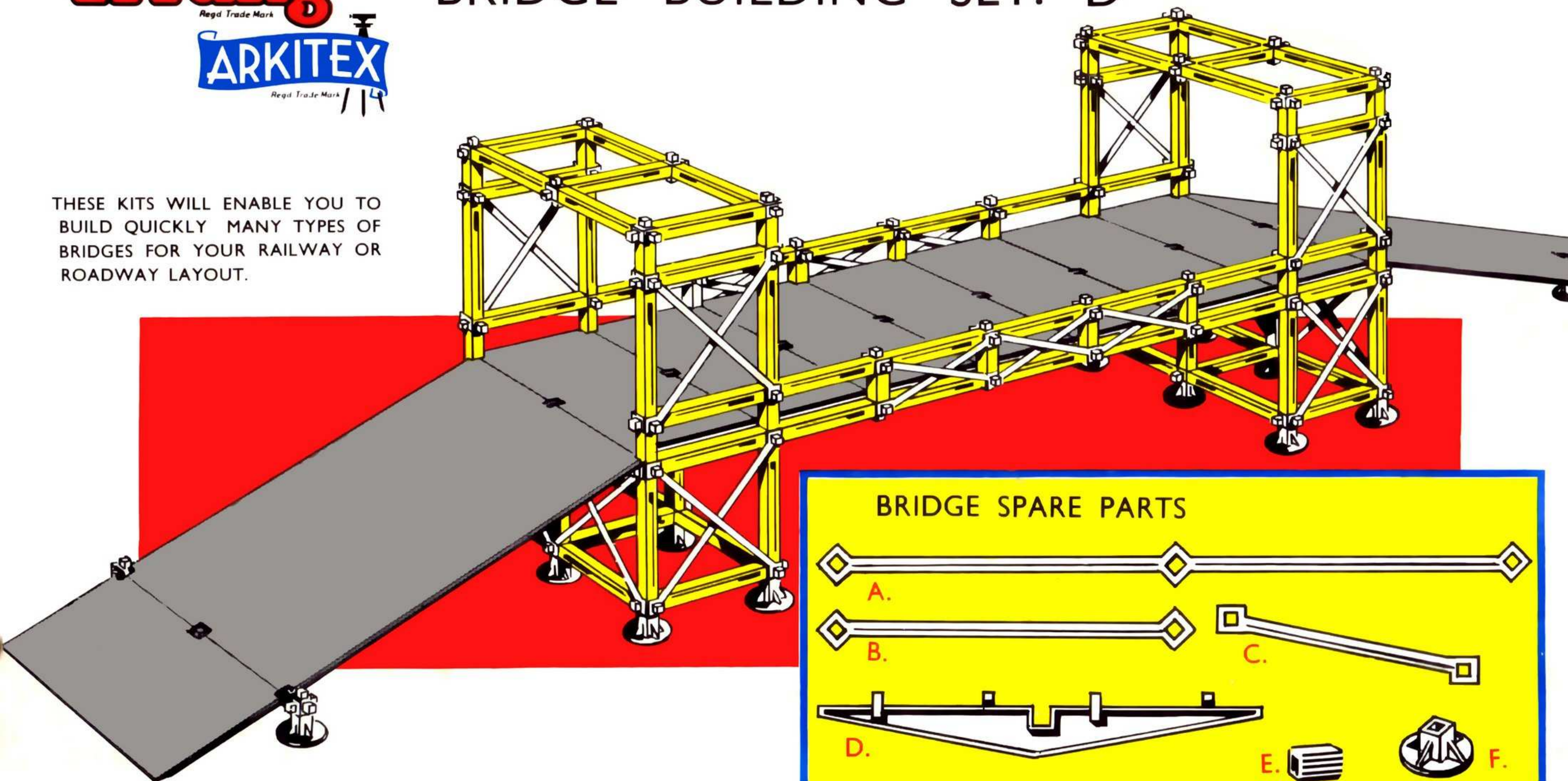
CONTACT BARS.....Part No. AOO/92

- Bottom Contact Strip..Part No. AOO/95
- Side Contact Strip.....Part No. AOO/96



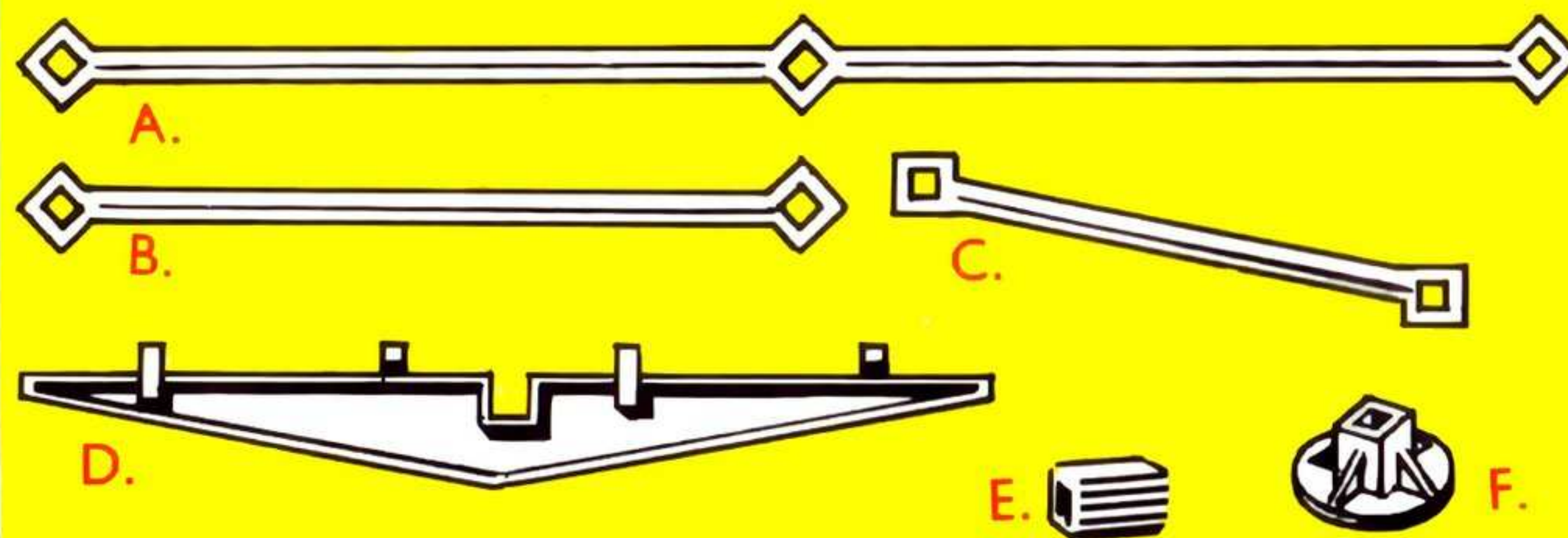
BRIDGE BUILDING SET. 'D'

THESE KITS WILL ENABLE YOU TO BUILD QUICKLY MANY TYPES OF BRIDGES FOR YOUR RAILWAY OR ROADWAY LAYOUT.



Basically the Bridge Building technique is the same as for buildings, etc. In addition to the familiar beams and blocks there is a range of Tie Bars (to strengthen the girderwork), Base Pads, Locking Blocks, Support Beams (for wider roads) and Roadway Units. The illustration above gives a clear idea of the general method of construction.

BRIDGE SPARE PARTS



A. LONG TIE BAR
Part No. AOO/99

B. TIE BAR
Part No. AOO/97

C. SHORT TIE BAR
Part No. AOO/98

D. SUPPORT BEAM
Part No. AOO/100

E. LOCKING BLOCK
Part No. AOO/93

F. BRIDGE BASE PAD
Part No. AOO/105

BRIDGE RAMPS

The gradient of this ramp is too steep for a train to climb. Railway Bridges should be constructed on the lines of the three designs below.

ROADWAY GRADIENT (LONG)
Part No. AOO/103

The top end of the ramp hooks on to the main Bridge structure and the lower end interlocks with the Lower Ramp and fits on to the assembled support (see Fig. 25).

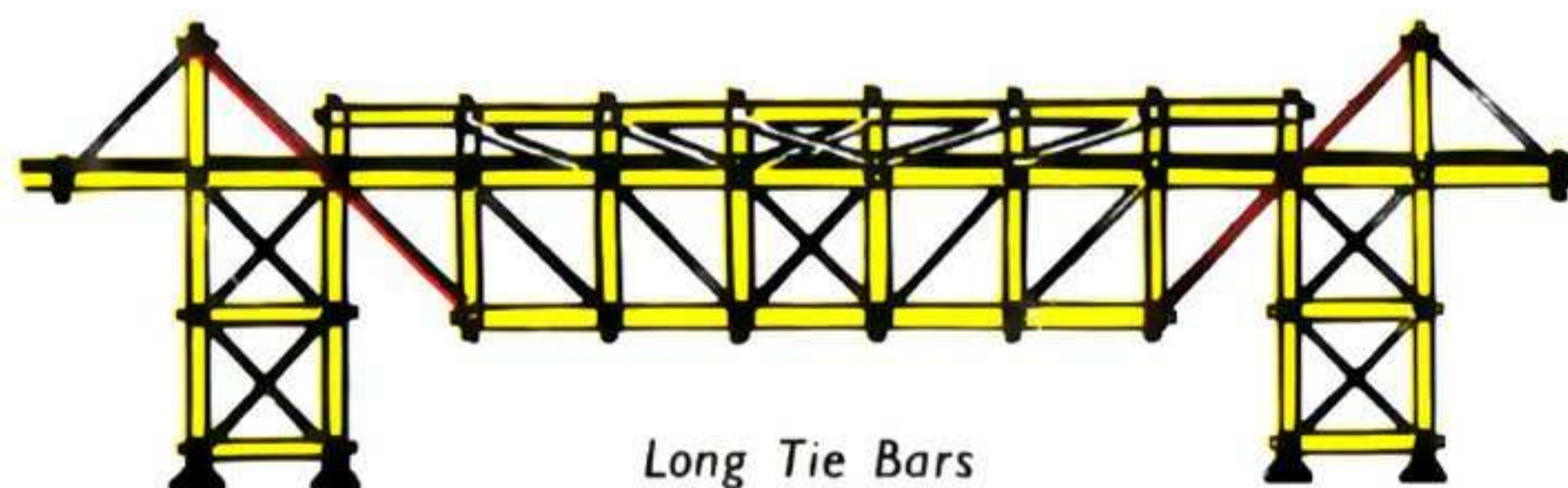
FIG. 25

ROADWAY GRADIENT (SHORT)
Part No. AOO/104

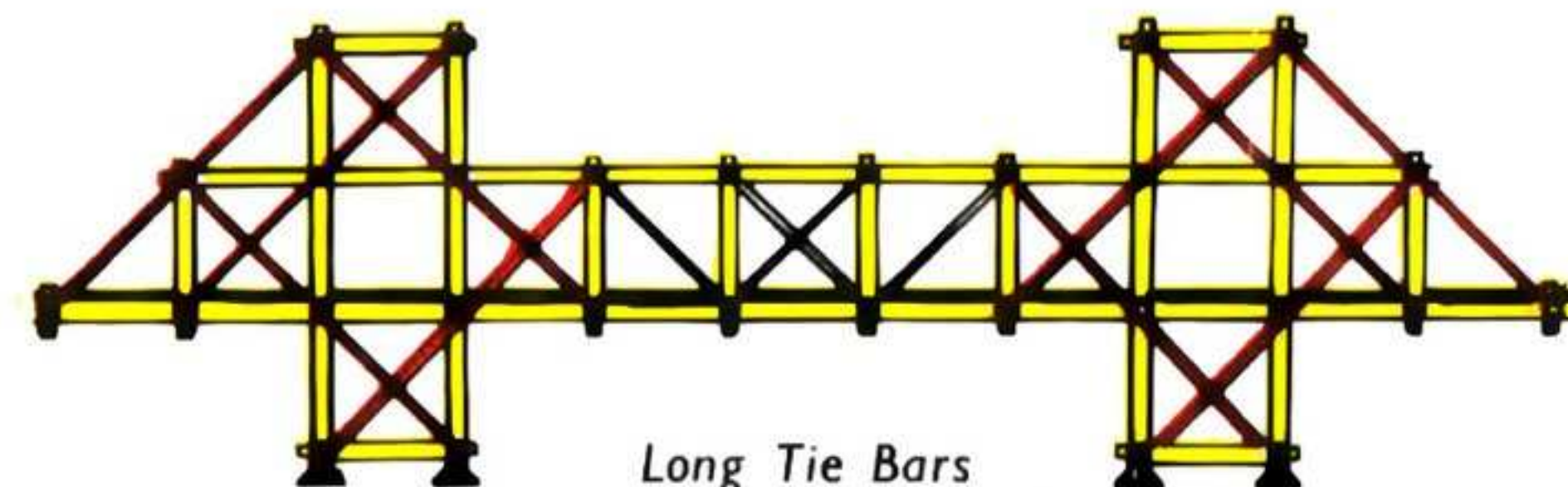
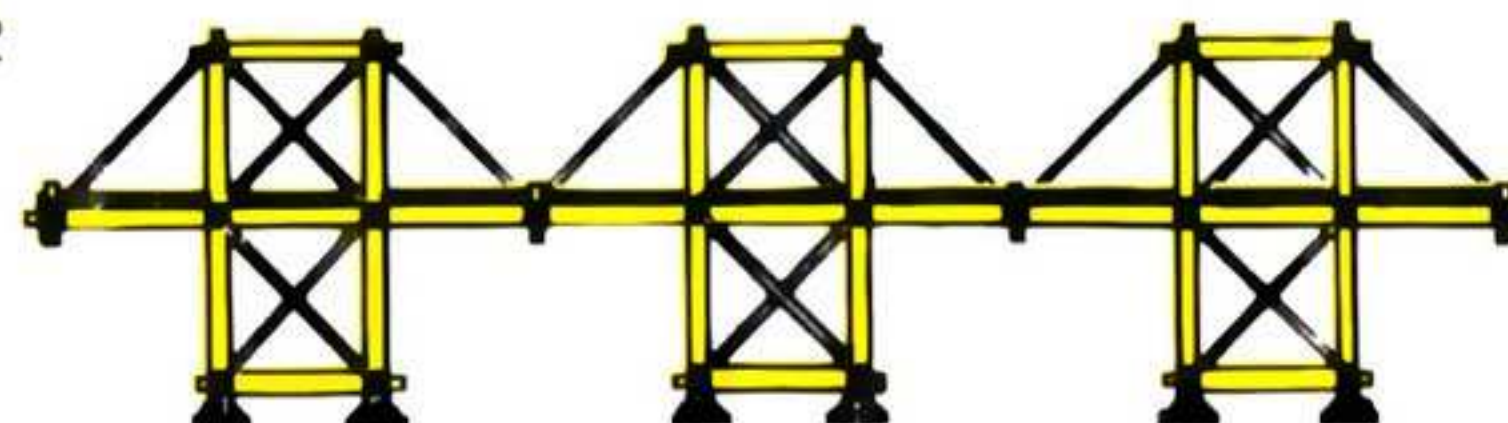
SUPPORT BEAM
Part No. AOO/100

Swivel beam on and push home.

BUILD BETTER WITH ARKITEX



Long Tie Bars
are identified by the red lines.



Long Tie Bars
are identified by the red lines.

HERE ARE JUST THREE OF THE UNLIMITED RANGE OF BRIDGES THAT CAN BE BUILT WITH YOUR SET.



HANDBOOK & CATALOGUE

SETS & ACCESSORIES

EVERY SET PACKED IN AN ATTRACTIVE PRESENTATION BOX.

Set 'A' in 'OO' Scale contains:-

1 9-HOLE BASE
72 CONNECTOR BEAMS
12 PLAIN PANELS
4 ROOF CORNERS
16 VERTICAL CORNERS
1 PLAIN SWING-DOOR SET

1 3-HOLE BASE
48 CONNECTOR BLOCKS
18 OFFICE WINDOWS
6 ROOF STRAIGHTS
18 PRINTED FLOORS
1 HANDBOOK

Set 'B' in 'OO' Scale contains:-

2 9-HOLE BASES
144 CONNECTOR BEAMS
24 PLAIN PANELS
8 ROOF CORNERS
32 VERTICAL CORNERS
2 PLAIN SWING-DOOR SETS

2 3-HOLE BASES
96 CONNECTOR BLOCKS
36 OFFICE WINDOWS
12 ROOF STRAIGHTS
36 PRINTED FLOORS
1 HANDBOOK

Set 'C' in 'OO' Scale contains:-

2 9-HOLE BASES
3 3-HOLE BASES
180 CONNECTOR BEAMS
12 OVERHANG CONNECTOR BEAMS
120 CONNECTOR BLOCKS
12 PLAIN PANELS
18 OFFICE WINDOWS
8 $\frac{3}{4}$ OFFICE WINDOWS
4 SHORT $\frac{3}{4}$ OFFICE WINDOWS
4 SHORT OFFICE WINDOWS
1 L/H OFFICE WINDOW

1 R/H OFFICE WINDOW
4 GLASS SWING-DOOR SETS
4 GLASS SHORT SWING-DOOR SETS
1 GLASS DOUBLE SWING-DOOR SET
2 GLASS DOUBLE SHOP WINDOWS
2 GLASS SINGLE SHOP WINDOWS
4 $\frac{3}{4}$ SHOP WINDOWS
2 SHOP NAME BOARDS

24 VERTICAL CORNERS
6 SHORT VERTICAL CORNERS
36 LEATHERBOARD ROOF/FLOOR UNITS
4 SQUARE COLUMNS
4 SINGLE UNIT SUPPORTS
16 ROOF EDGE STRAIGHTS
2 L/H ROOF STRAIGHTS
2 R/H ROOF STRAIGHTS
4 SHORT ROOF STRAIGHTS
12 ROOF EDGE CORNERS

2 INSIDE ROOF CORNERS
4 LOCKING CLIPS
2 STAIRWAY APPROACHES
4 STAIRS
2 HALF LANDINGS
2 CEILING/FLOOR UNITS
1 PAIR OF LIGHTING LEADS
6 CONTACT BARS
2 LOCKING BLOCKS
2 LAMP GLASSES

Bridge Set 'D' in 'OO' contains:-

144 CONNECTOR BEAMS
96 CONNECTOR BLOCKS
36 LOCKING BLOCKS
48 TIE BARS

48 SHORT TIE BARS
12 LONG TIE BARS
12 ROADWAY UNITS

6 SUPPORT BEAMS
2 LONG ROAD GRADIENTS
2 SHORT ROAD GRADIENTS
18 BRIDGE BASE PADS



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