

ARCON MARK V ERECTION MANUAL

ARCON MARK V

ERECTION MANUAL

ORDER OF ERECTION

The order of erection described in this Manual is that found satisfactory by experiment upon a "pilot run" of one hundred houses divided into two sites of fifty each, bearing in mind not only the convenient erection of one individual house but also the proper employment of the several gangs in rotation upon a number of houses. Whilst it is possible to vary the order described in some respects, the erection contractor should take care that he does not find himself either unable to finish a house because he has begun putting it together in the wrong order, or unable to maintain a proper rotation of work throughout the site.

The component parts will be delivered to the site in loads containing the correct quantities of the correct Mark Numbers for the various sequences, and arranged in the proper order for off-loading and stacking upon site in the precise rotation in which they will be fixed: it is of great importance that this system be adhered to.

MARK NUMBERING

Each component has upon it a number by which it may be identified, the typical form of which is ARCON Mk. 063/6/21. Of this number the "ARCON Mk. 063/" is for use only in the manufacturers' shops and should be ignored on site, leaving the number "6/21" in which form it is referred to throughout this Manual.

The first figure of the number denotes the section to which the component belongs:-

0. Minor fittings attached to components before erection.
1. Steelwork.
2. Cover Technique.
3. Miscellaneous Supplies.
4. Services.
5. Asbestos (including fixings).
6. Joinery.

and the last part of the number is the component's serial number in its particular section.

In some cases the mark number has a letter added to it;

e.g. "ARCON Mk. 063/6/15/a" or "ARCON Mk. 063/6/15/b". These letters can be ignored upon site as they denote only a slight change in production which, whilst it varies the component, leaves it still completely interchangeable.

The components supplied direct by M.O.W. do not carry numbers as described above because they are common to all temporary housing : their typical number is "P.B.10", "K.J.13", etc, with or without two letter suffix identifying the particular manufacture.

COMPONENT SCHEDULE

The complete Component Schedule should be read with this Manual : it lists the whole of the components required for the erection of the house, and is divided into parts corresponding to the stages in which erection takes place. It also lists in detail the Mk. numbers of all bolts, etc., with their positions; and, in addition, gives separately the screws, nails, etc., for the supply of which the erection contractor is responsible : all these fixings are bagged up to correspond with the stages at which they are used.

ARCON

CHARTERED ARCHITECTS
81 PICCADILLY LONDON W1

ADDENDUM TO
ERECTION MANUAL.

- Page 2 - Steelwork: Braces 1/22 should not be removed.
- Page 10 - Gutters: Canopy 1/37 must be fixed to panel 1/2 at this point.
- Page 11 - Cladding: (1) Drilling of 5/1, on small roll, should be 4'8 $\frac{1}{4}$ " instead of 4'7 $\frac{3}{4}$ ".
(2) Where one straight flue pipe is issued in place of FB.10 and F.E.10, Roof sheet with outlet will be 5/54 instead of 5/3.
- Page 12 - Cladding: 5/5 eaves filler pieces, should be to front of house, and 5/4 to back.
- Page 18 - Outer Sheeting: Part referring to corner braces is now deleted.
- Page 19 - Glazing: Owing to modified window and ventilation detail, dimensions on this page should be checked before cutting glass.
- Page 20 - Canopy: Delete note re fixing canopy which now applies for page 10.
- Page 21 - Floor Panels: Fix thresholds as follows:-
0/52, 2 off to bathroom and W.C.
0/53, 2 off to Hall and Kitchen.
0/54, 1 off to Living room.
- Page 26 - Cupboard Units: Where pressed steel units are issued fixing instructions are as follows:-
Between Living Room and Bedroom -
(1) Fix all three cupboards (Linen - Utility - Wardrobe) to floor by screwing through lugs at base of cupboards.
(2) Fix Linen cupboard by drilling through side at top of cupboard and screw to wall panels 6/11 and 6/13.
(3) Fix Utility cupboard to partitions 6/16 with angle cleats 6/53. Fix to cupboard with $\frac{3}{4}$ " diam. 1" long bolt, nut and one spring and two flat washers.
(4) Fix 6/16 by screwing down through rail of ceiling panel 6/32.
Between Bedroom and Hall
(1) Fix both cupboards (Wardrobe - Broom) to floor by drilling through locating frame 1/182 and screwing through lugs at base of cupboards.

CONTENTS

PART	WORK	DETAILED OPERATION	
		No.	DESCRIPTION
I	Foundation Steelwork.	1 2 3 4 5 6 7 8 9 10	Checking sizes and levels. Assembly of one end of framing. Assembly of centre portions of front and back walls. Gable peaks, roof truss and purlins. Remaining end of framing. Remaining gable peaks, truss and purlins. Centre supports for floor. Ceiling supports. Levelling, and painting bottom of steel frames. Gutters.
	Cladding.	11 12 13 14 15 16 17 18 19 20	Covering to roof—General. Roof sheeting. Wall covering—General. Inner sheeting, front and back walls. " " end walls. Outer sheeting, " " Bargeboards. Outer sheeting, front and back walls, and grouting. Glazing. Downpipes, butt and canopy.
II including operations 33 & 34	Floor panels, aligning members, partitions, etc.	21 22 23	Method of assembly of floor. Spine partition units and partition 6/18. Ceiling panels.
III	Partitions.	24 25 26 27 28 29 30 31 32	Front and back wall-linings. Gable-end wall-linings. M.O.W. cupboard units and partition 6/16. Cupboards and partition Living Room/B.R.1, Larder, Table, Airing Cupboard. Partitions adjoining Bath Room and Bed Room 2. Hot-air trunk and false ceiling. Hall cupboard, aligning strip, W.C. suite. Hall/W.C. partition. Cupboards between Hall and Bed Room 2.
	Service Unit.	33 34 35 36	Hearth and stove base Surround and stove, etc. } included in PART II. Cylinder/Cistern unit and base. Pipe duct unit.

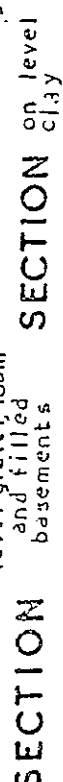
continued on next page.

CONTENTS

CONTINUED

PART	WORK	DETAILED OPERATION	
		No.	DESCRIPTION
III (contd.)	Service Unit (continued)	37	Wastes and overflows. Immersion heater.
		38	Bath and skirting.
		39	Shelf unit and towel rail, lavy. basin cupboard.
		40	Sink framing and vegetable cupboard.
		41	Sink, lavatory basin, and W.W.P. feed.
		42	Draining board, cooker, refrigerator, wastes, gas test.
		43	Cupboard over refrigerator, partitions, plate rack, cover fillets, wash boiler.
		44	Feed and overflow to W.W.P.
		45	Water test, cover plates, and bath panel.
IV	Cover Technique.	46	General application.
		47	Vertical covers and window trim.
		48	Skirtings.
		49	Bottom pressings.
		50	Picture rails and ceiling wiring covers.
		51	Top pressings, living room mantelshelf, and pelmet boards.
		52	Ironmongery, shed, etc.
V	Painting.	53	Exterior and interior painting.
	ADDENDUM	A	Scottish Service Unit.
Modifications.			

CONCRETE SLAB



FOUNDATION - CHECKING SIZES AND LEVELS

Carefully check the foundation for size, squareness and levels; also the provisions for entry and exit of services.

Correct foundation work, in accordance with the specification, is essential for trouble-free erection of the house; the diagonal and overall dimensions are not to be more than $\frac{3}{8}$ " below those figured, and the variation in levels shall not exceed $\pm\frac{1}{4}$ " overall and $\pm\frac{1}{16}$ " within any 6'0" distance.

Note that three types of foundation are shown : those used upon sloping sites having dwarf walls in brick or concrete, and that used on flat sites, a concrete slab of the same overall sizes with provision for the services in the same places.

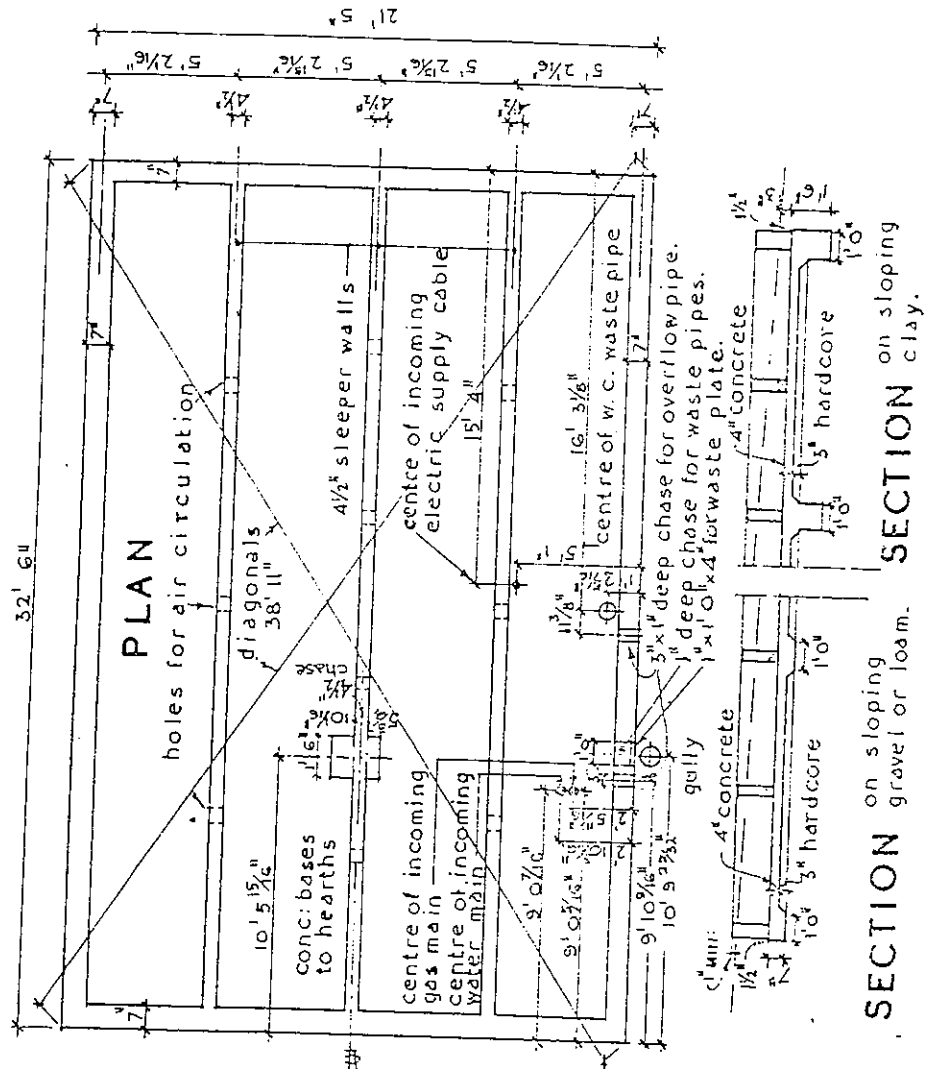
ARCON
MARK Y

CONTINUED



FOUNDATION CONCRETE DWARF WALLS

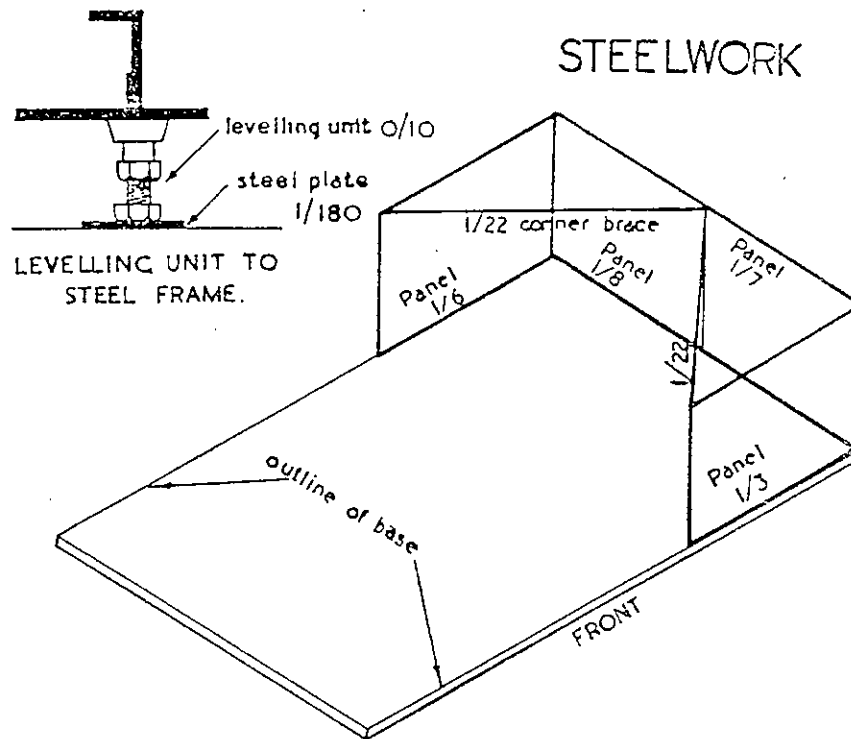
CONTINUED



ARCON
MARK V

STEELWORK

2



STEELWORK - ASSEMBLY OF ONE END OF FRAMING

All panels are equipped with screw levelling units 0/10 which should be inserted and screwed home before erection starts. A number of small steel plates is provided (1/180) of which one is placed on the base to receive the head of each levelling unit of the panels as erected.

Select panels 1/8 and 1/6 and raise upright upon foundation. Lean 1/6 into contact with 1/8 at the top, but about 1" below its final position so that it can be tucked beneath the return of the drip section on 1/8; then bring panel into its final position to locate the hinges, and drive home the hinge pins. Insert brace 1/22, which is reversible end for end, with its tubular portion above the seatings, and bolt up.

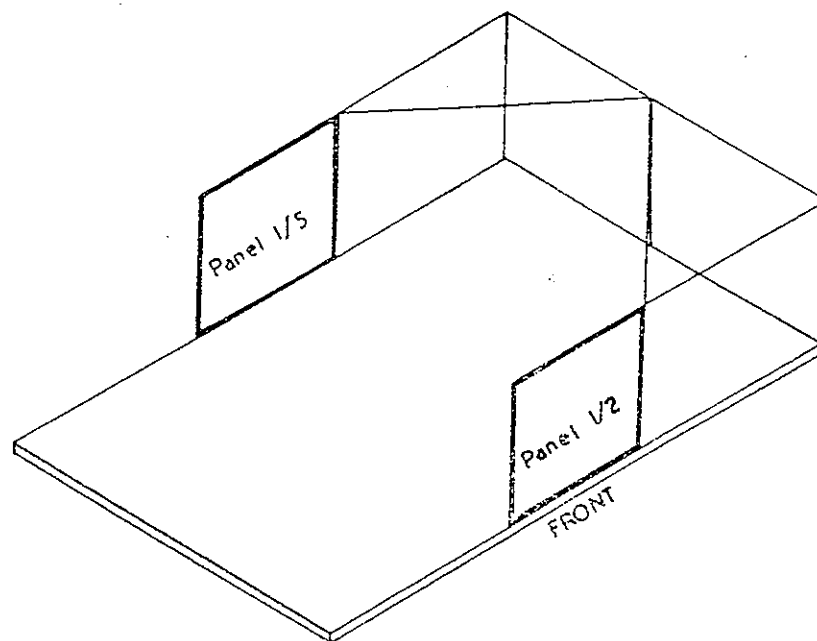
Repeat this procedure with panels 1/7, 1/3 and brace 1/22: the locating pin on the bottom of 1/7 engages in the hole of the lug projecting from 1/8.

Bolt together 1/7 and 1/8 at the top.

Note that the braces 1/22 are removed later.

Care must be taken in erection to ensure that the house finishes centrally upon, and square with, the foundation.

ARCON
MARK V



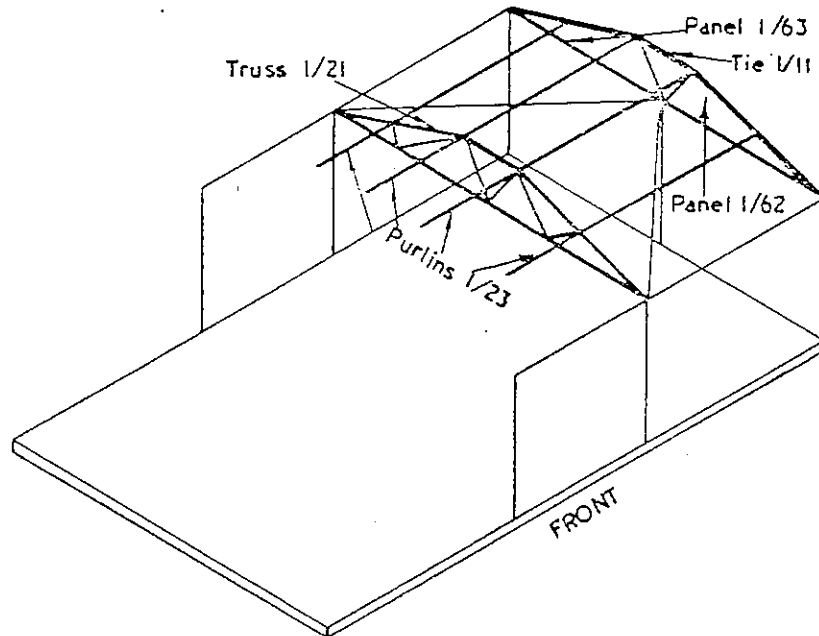
STEELWORK - ASSEMBLY OF CENTRE PORTIONS
OF FRONT AND BACK WALLS

Select panels 1/5 and 1/2 and place them as shown with their bottom locating pins engaging with the lugs of 1/6 and 1/3 respectively.

These panels will have to be held upright temporarily by light lashings or other convenient means (such as the use of spare purlins until they are required).

STEELWORK

4



STEELWORK - GABLE PEAKS, ROOF TRUSS AND PURLINS

Select one each of 1/63 and 1/62 and bolt to top of 1/8 and 1/7 respectively by means of the lugs and bolt holes provided; connect the tops of 1/62 and 1/63 by bolting on the tie 1/11. Note that 1/63 and 1/62 must be erected in this order so that the projecting weather flashing on the bottom of 1/62 may go into place.

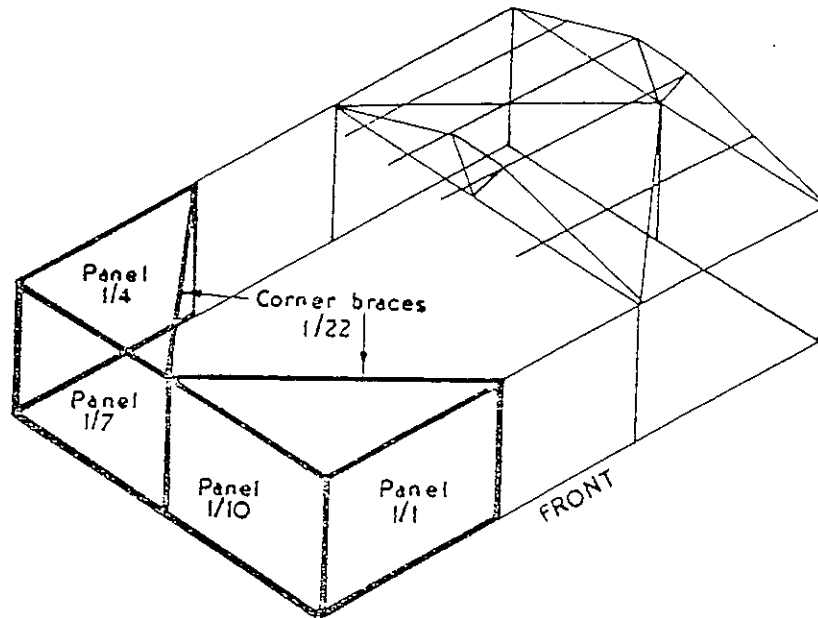
Select one roof truss 1/21 - which is reversible end for end - and erect over the joints between panels 1/2 and 1/3, 1/5 and 1/6; bolt together. (Panels 1/2 and 1/5 are now secured and their temporary supports can be discarded).

Select four purlins 1/23, bolt them to the gable-end rafters through the angle plates forming one end of each purlin, and to the cleats on the truss rafter: note that the lugs projecting from the purlins come close alongside the truss cleats and in the centre bay of the building in each case.

ARCON
MARK V

STEELWORK

5



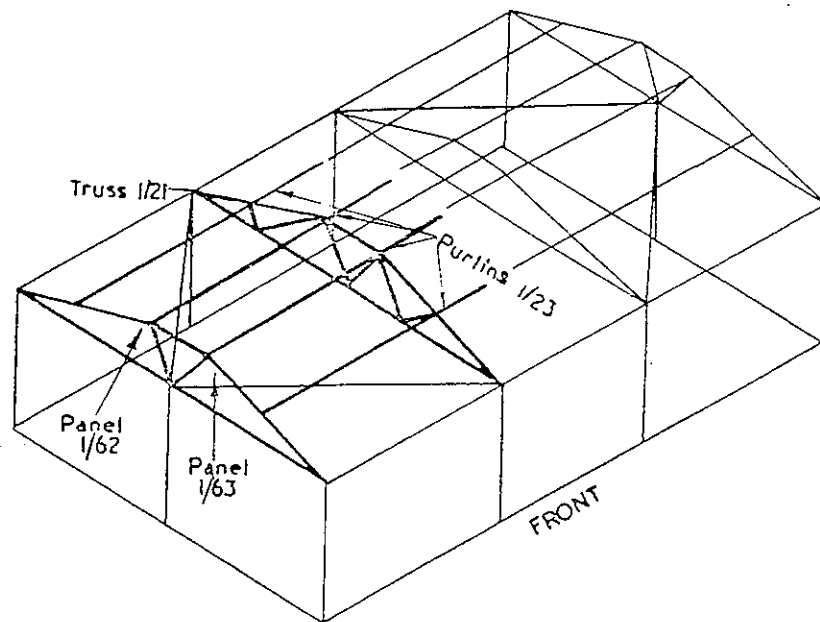
STEELWORK - REMAINING END OF FRAMING

Select panels 1/1 and 1/10; 1/7; and 1/4; and two corner braces 1/22 : erect in this order in the same way as already described for the other end of the building (page 2).

ARCON
MARK V

STEELWORK

6



STEELWORK - REMAINING GABLE PEAKS, TRUSS AND PURLINS

Select the remaining panels 1/62, 1/63; tie 1/11; truss 1/21 and purlins 1/23; and erect as previously described (page 4) and in the same order.

Bolt together the purlins at the middle of the building.

ARCON
MARK V.

STEELWORK 8

CONTINUED

of the building. Fix 1/172 between the two trusses, lineable in all respects with the two 1/170, and similarly bolted to the lugs on the truss tie-bars. Note that angle cleats project from the underside of 1/172, and 1/172 must be so positioned that the extreme end one of these cleats adjoins the truss nearer to panel 1/7 (i.e. at the right hand end when viewed from the front of the building).

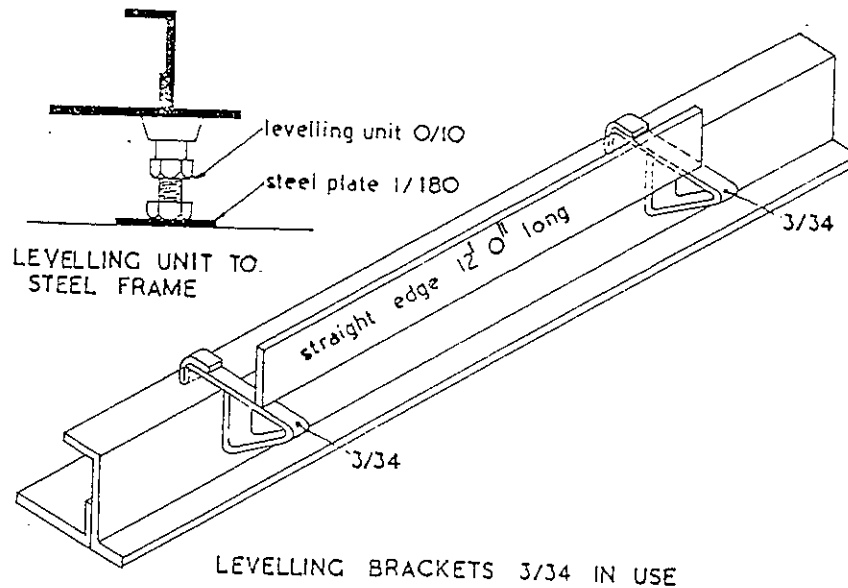
Select the two remaining 1/170 and the one 1/171 : fix both 1/170 between the gable ends and the trusses as described above and fix 1/171 spanning between the trusses exactly as described for 1/172 except that it is reversible end for end.

Select aligning member 1/24 and fix it to the centre ceiling support 1/174 with two bolts through the end cross-piece of 1/24 and the lug projecting downwards from 1/174, fix the other end with two bolts through the similar cross-piece and the vertical portion of the ceiling angle section on the inside of panel 1/2. This member 1/24 must be fixed with the flat table of the tee-section upwards, and the cleat standing up from this table should be on the "inside" of (i.e. towards the centre line of the building from) the lug projecting downwards from 1/172, through which it should be bolted.

Select aligning member 1/25 and similarly fix it between the lugs on 1/175 and 1/172.

Select aligning member 1/26 and similarly fix it between the lugs on 1/172 and panel 1/2.

STEELWORK 9



STEELWORK - LEVELLING

Take two levelling brackets 3/34 and a 12'0" long straight edge with level, metal-clipped at the ends to counteract wear.

Start by laying the straight edge on the brackets at one end of the building, and work all round the structure to the starting point; finally level up the centre floor support, the bottom of which, like the wall panels, is provided with screw levelling units of which the height may be varied. The steel structure must also be square and straight; this may be made so by equalizing the internal diagonals at 38'2 $\frac{1}{2}$ " and ensuring that the panels of any given elevation do not diverge from a string line from corner to corner. The frame must stand centrally upon the foundation in both directions.

It is of the highest importance that the work described above be carried out with care and accuracy in order to avoid future difficulties in erection.

After erection, paint the outer bottom flange and vertical face of the steel base members (except beneath the full-height window and door units in panels 1/2, 1/4, 1/10) one coat Black Paint (tar base) in accordance with B.S.1070, 1942, Type 'A', quick drying.

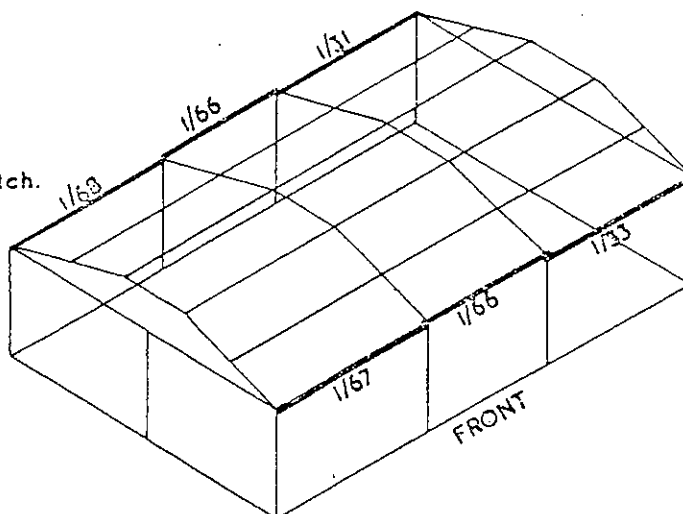
ARCON
MARK V

STEELWORK 10

1/68	1/66	1/33
1/67	1/66	1/33

front
KEY PLAN—above
shows gutters as
on isometric sketch.
See below for
alternative
arrangement to
suit drainage

1/33	1/66	1/67
1/33	1/66	1/67



STEELWORK - GUTTERS

Before fixing the gutters note that they may be positioned in two ways in order to fit the drainage of the particular house; 1/67 and 1/68 are provided with spigots to receive the downpipes.

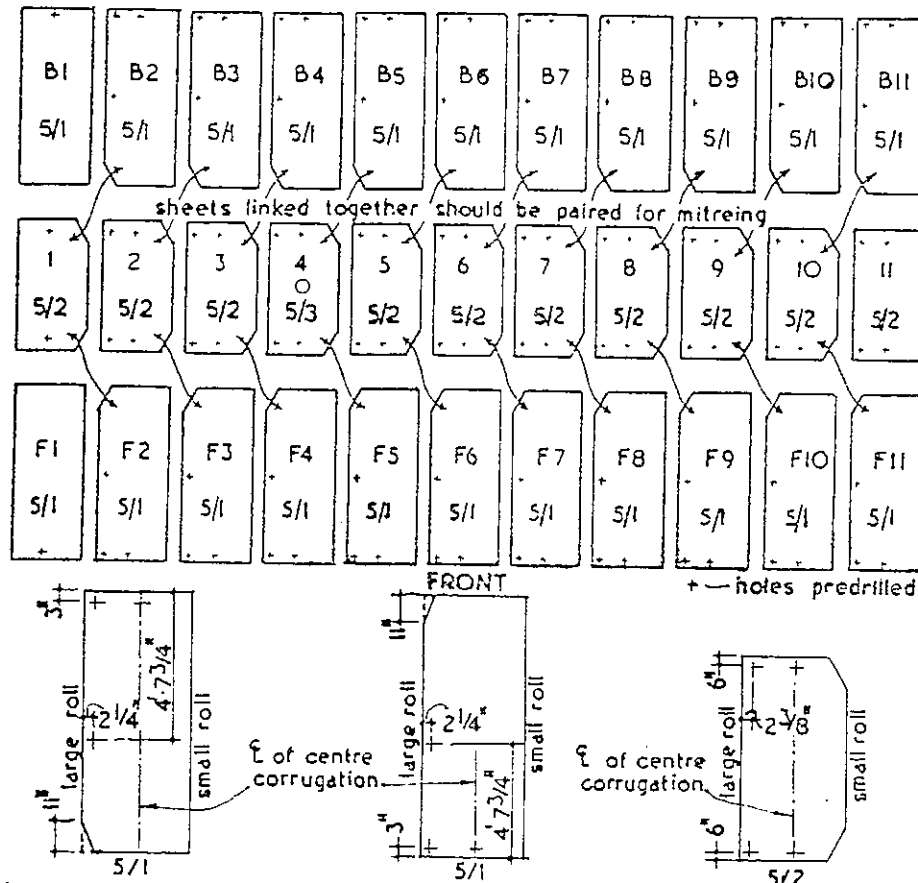
Select gutters 1/33 and 1/67 and fix where shown by bolting through the flat lugs projecting from the back of the gutter and the vertical part of the top member of the wall panel; the return ends of the gable flashing should first be spread with mastic where the gutters seat upon them.

Cover the joint ends of 1/33 and 1/67 internally with bituminous mastic 3/24, select gutter Mk. 1/66, fix it to the panel (as before described) and to 1/33 and 1/67 by three sheeting bolts each (complete with steel and felt washers) : the joint sections must be brought into close contact and the surplus mastic squeezed out.

ARCON
MARK V

COVERING TO ROOF

11



DRILLING DIAGRAM. holes to be drilled at top centre of nearest corrugation

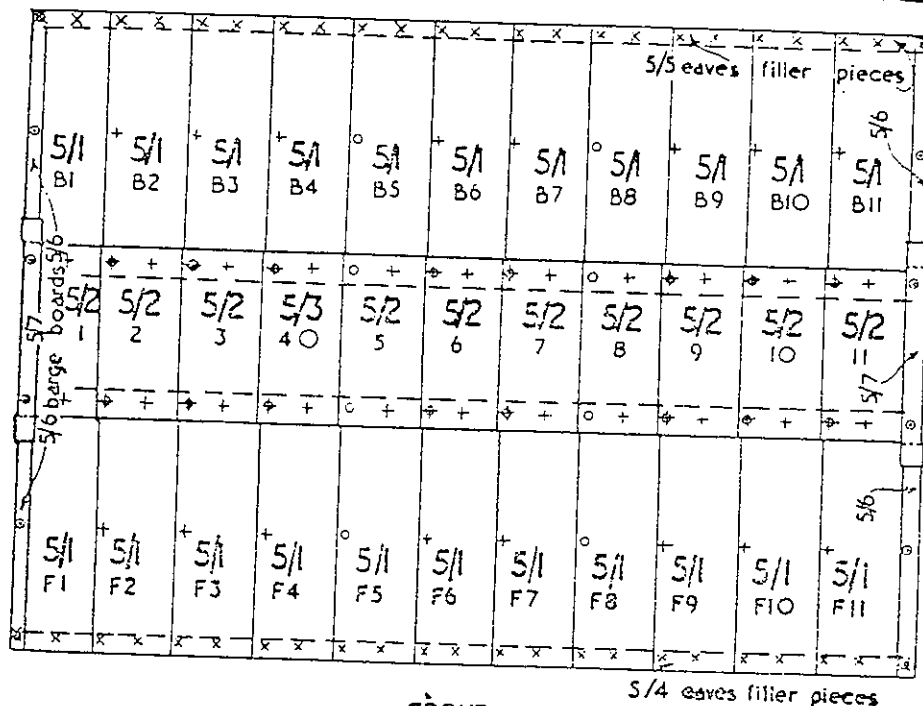
CLADDING - COVERING TO ROOF - GENERAL

Before starting operation (in order to steady the building whilst men are working up on the roof), place in position the inner wall sheeting to the front and back walls and the lower part of the gables (see 14 and 15 for particulars), but do not fix it.

Drawing 11 shows the "exploded" view of the roof sheeting with the mitreing done and as many as possible of the fixing holes drilled on the ground. Certain holes cannot be predrilled (owing to the slight change in shape undergone by curved sheets in stacking), and these must be drilled in position using the adjoining predrilled sheet as a template. The numbers additional to the Mk. numbers shown on the drawings show the fixing order of each run. Note that, in view of the unreliability of measurements taken from edges of asbestos-cement corrugated sheeting, care is to be taken to drill the holes on the centres of corrugations.

ARCON
MARK V

ROOF SHEETING 12



FRONT

x - 3 1/2" eaves fixing bolts 5/44
 x - 4 1/4" do do do 5/45
 (through barge boards)

+ - 1 1/4" fixing bolts 5/47 & clips 5/46
 + - 1 1/4" do do 5/48 do 5/46
 o - 1 1/4" seam bolts (over trusses) 5/47
 o - 1 1/4" do do (thro barge boards) 5/48

CLADDING - ROOF SHEETING

Start fixing with the curved sheet 5/2(1) and the two straight sheets 5/1(B1) and 5/1(F1) together with eaves filling pieces 5/4 and 5/5 : note that the centre-line of the outside corrugations (large roll) is vertically above the inside edge of the gable peak rafter (see 17), and that the bottom edge overhangs the gutter internally 1 1/4". Bolt the straight sheets and the eaves fillers jointly to the turned-down back edge of the gutter with 3 1/2" bolts and Oakley clips 5/44, and the sheets to the lower purlins with 1 1/4" fixing bolts 5/47 and clips 5/46 except over the trusses where no clips are used. Bolt the curved sheets over the straight sheets with 1 1/4" fixing bolts 5/47, 1 1/4" fixing bolts 5/48, and clips 5/48, securing the assembly to the upper purlins. All bolts are provided with washers (galvanized and bituminous) and nuts.

The sheeting finishes at the other end of the building with the centre-line of the small corrugation vertically over the inside edge of the rafter (see 17).

ROOF SHEETING 12

CONTINUED

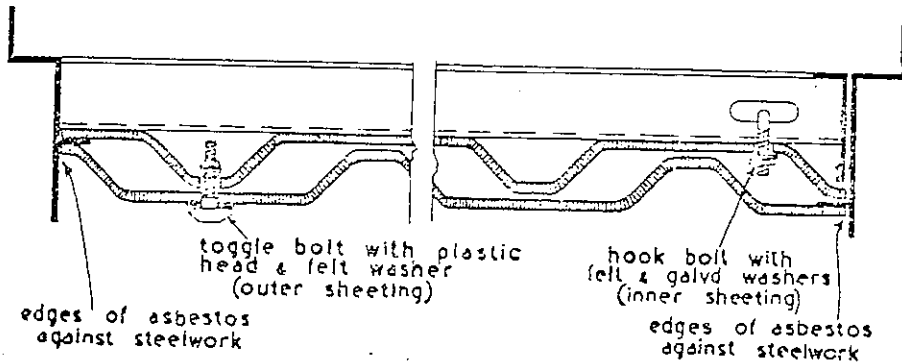
The barge boards are shown on the drawing, but are not fixed until the inner and outer sheeting to the gable peaks is complete.

Whilst working upon the roof, raise the flue pipe extension F.M.10 through the hole in 5/3, fix to it the flue terminal 3/6 by means of Parker-Kalon self-tapping screws, and lower the assembly until it is supported by the upstand of 5/3 entering between the two skirts of 3/6. This assembly is shown on 34.

In houses erected in Scotland all side and end laps of asbestos cement roof sheeting are to be primed with a coat of tar base paint, B.S.S. 107C/1942, Type A, to be provided by the Site Contractor, and bedded in tar base mastic 3/35. Care must be taken that this is not visible upon the finished roof.

ARCON
MARK V

WALL COVERING 13



PLAN THROUGH CLADDING

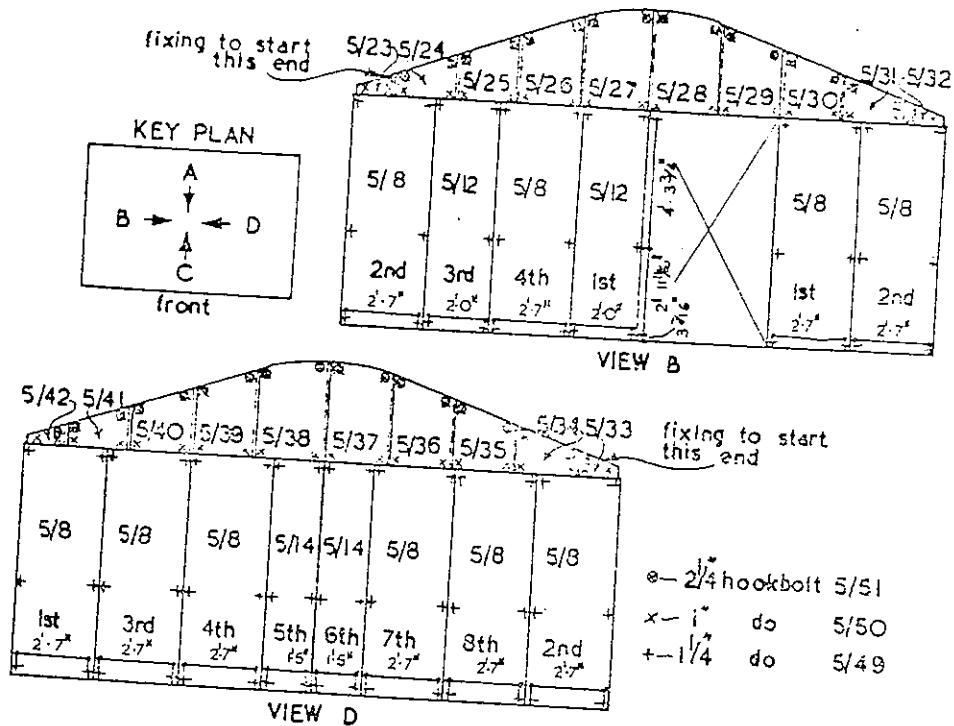
CLADDING - WALL COVERING - GENERAL

The drawing shows the general assembly of the two thicknesses of wall sheeting and their abutment upon the steelwork. Note that, whereas the inner gable peak sheeting is lapped at the joints, the outer gable peak sheeting and both thicknesses of the wall sheeting generally are butt-jointed.

The previous remarks about drilling apply here as well and, as the outer sheets are fixed by toggle-bolts through holes in the inner sheeting; care should be taken to insert the bolts fixing the inner sheeting to the steelwork through the correct holes.

The contractor should realize that, provided that the inner sheeting is fixed before the outer and that any given run of sheeting is fixed in the order shown, work can proceed simultaneously on all the runs. It is, however, not advisable to start bolting up the wall sheeting until the roofing is substantially complete; otherwise the vibration of the roofers at work may loosen the bolts.

INNER SHEETING 15



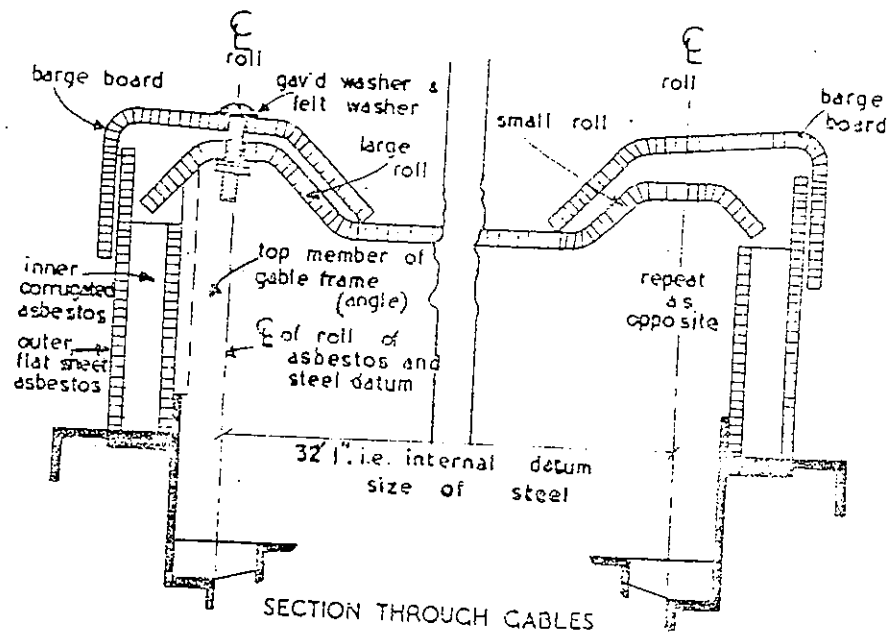
CLADDING - INNER SHEETING - END WALLS

Place in position the inner sheeting to the main (lower) part of the walls as before described, resting on the bottom steel and with the heads of the sheets behind the steel drip. Position and bolt up the sheeting exactly as described previously.

Place the gable peak sheeting and bolt up in the order shown with 1" hookbolts 5/50 and 2 1/4" hookbolts 5/51 (each complete with metal and bituminous washers) engaging behind the steelwork.

ARCON
MARK V

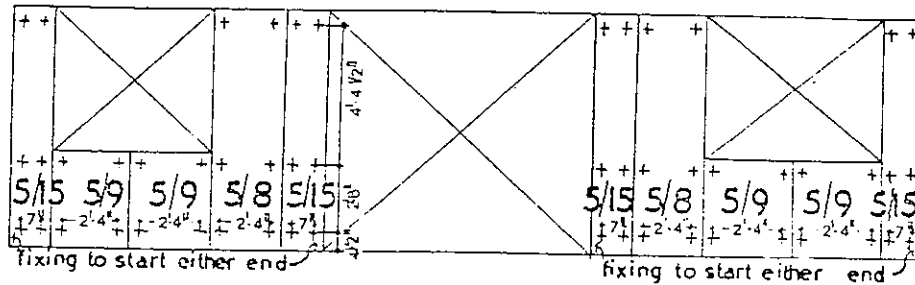
BARGEBOARDS 17



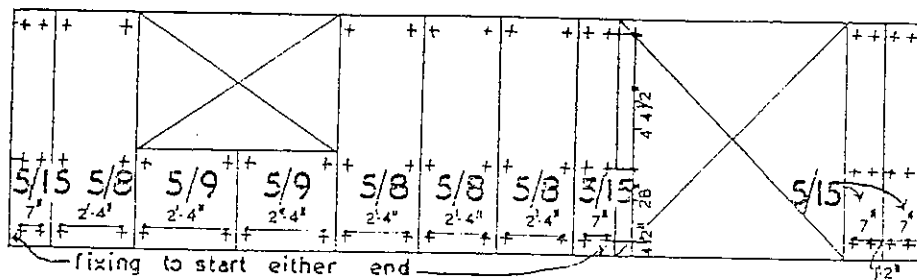
CLADDING - BARGEBOARDS

Fix as shown the bargeboards 5/6 and 5/7 positioned as shown on 12, by means of 12" and 4 1/2" fixing bolts with Oakley clips 5/48 and 5/45, passing through the bargeboards and roof sheeting: note that the 4 1/2" bolts are used at the corners of the building.

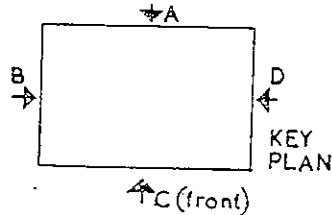
OUTER SHEETING 18



VIEW . C



VIEW . A



+ 1/2" toggle bolt

CLADDING - OUTER SHEETING - FRONT & BACK WALLS, AND GROUTING

Place in position the outer sheeting, and fix with 1 1/2" toggle bolts with washers complete 5/52, all as described previously. Again the edges of the end sheets are to be kept as close to the steel as possible.

Note that the four corner braces 1/22 are removed immediately after completion of the asbestos sheeting.

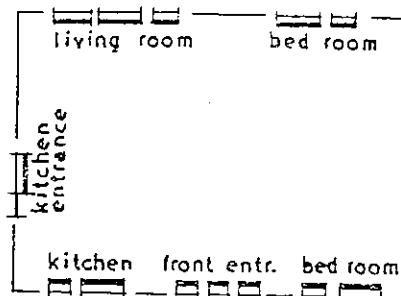
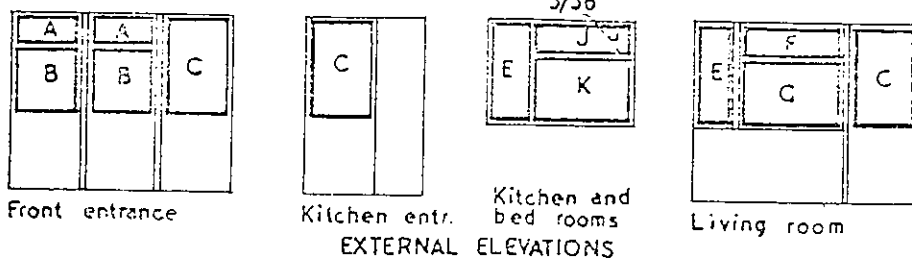
Grout up beneath the bottom steelwork by fixing lengths of rough timber shuttering of any convenient size around the building kept in contact with the back of the steel by staying to the middle rail or otherwise as convenient. Fill the cavity from outside with grout to specification, and point up neatly. Note that the places where the wastes and overflows emerge must be left ungrouted for the present; take care that the openings provided for sub-floor ventilation are not blocked.

Similarly grout up the centre floor support, but around the screw levelling units and between the hearth and stove foundation slabs only.

Strike the shutter boards.

ARCON
MARK V

GLAZING 19



Front

GLAZING

The necessary glazing clips will be supplied in Bag No. 2; the erection contractor is to supply the glass and putty. Glaze into steel frames at sizes and qualities scheduled below, with clips 3/31 for door glazing and 3/32 for windows.

Front Entrance Unit.

A.	2 off.	$1.3\frac{1}{16}$	x	2.6	24 oz. O.Q.R.
B.	2 off.	$2.6\frac{1}{16}$	x	2.7	approved.
C.	1 off.	$3.10\frac{3}{8}$	x	$2.4\frac{5}{8}$	Georgian wired.

Living Room Unit.

E.	1 off.	$3.10\frac{13}{16}$	x	$1.5\frac{5}{16}$	24 oz. clear sheet.
F.	1 off.	$1.3\frac{1}{16}$	x	$4.0\frac{3}{8}$	" O.Q.R.
G.	1 off.	$2.6\frac{1}{16}$	x	$4.1\frac{3}{8}$	" clear sheet.
C.	1 off.	$3.10\frac{3}{8}$	x	$2.4\frac{3}{8}$	32 oz. " "

Kitchen Entrance Unit.

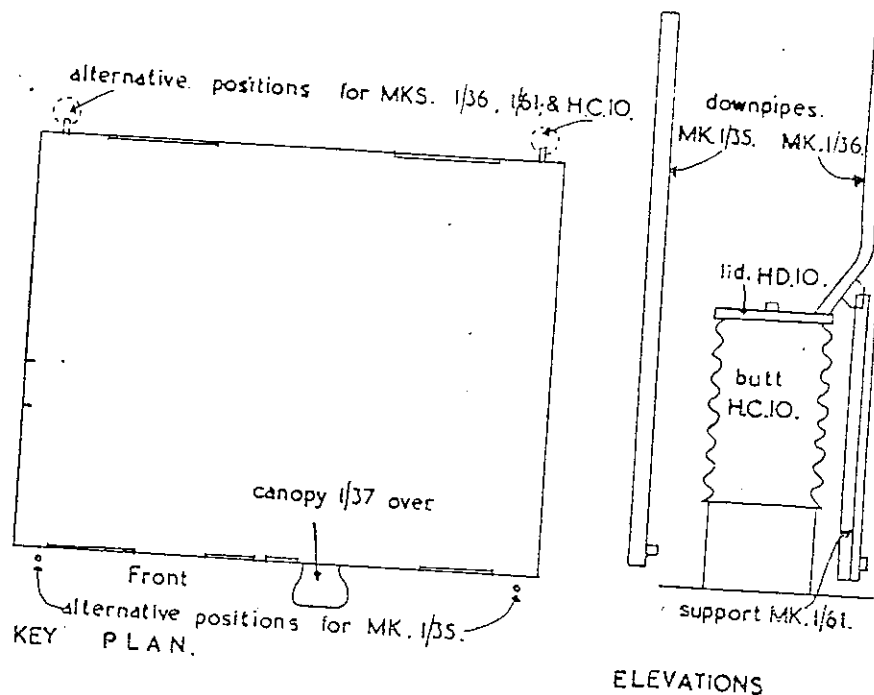
C.	1 off.	$3.10\frac{3}{8}$	x	$2.4\frac{5}{8}$	Georgian wired.
----	--------	-------------------	---	------------------	-----------------

Kitchen and Bed Rooms.

E.	3 off.	$3.10\frac{13}{16}$	x	$1.5\frac{5}{16}$	24 oz. clear sheet.
J.	3 off.	$1.3\frac{1}{16}$	x	$3.8\frac{1}{16}$	" O.Q.R.
K.	3 off.	$2.6\frac{1}{16}$	x	$4.0\frac{5}{16}$	" clear sheet.

ARCON
MARK V

DOWNPIPES, BUTT, & CANOPY 20



DOWNPIPES, BUTT AND CANOPY

The drawing shows the various positions of the downpipes and rainwater butt; note that the short downpipe 1/36, support 1/61 and the butt may be replaced by an additional downpipe 1/35. Place top of 1/35 over spigot beneath gutter; bolt through the lug provided at foot of 1/35 to the bottom of the steel wall panel.

Bolt together downpipe 1/36 and support 1/61 and fix as above, over spigot at top and bolted to steel at bottom.

Place butt H.C.10 and lid H.D.10 on prepared base.

Note that upon sloping sites it will be necessary to the erection contractor to provide and fix (by plugging to the base brickwork as in normal practice) additional lengths of asbestos-cement or C.I. downpipe to discharge immediately over the gullies.

Select canopy 1/37 and felt packing 3/18, remove from five bolts (welded to the top member of panel 1/2) one nut and two washers each, place in position above the front door the felt packing and the canopy, one washer only to each bolt, and tighten up the nuts. (The five surplus washers are not used again).

END of PART I

ARCON
MARK V

FLOOR PANELS 21

mark number	6/81	6/80	6/75	6/73	6/23	6/23	6/23	6/80	6/82
erection order	3	4	2	1	2	3	4	6	5
mark number	6/81	6/80	6/74	6/73	6/27	6/23	6/23	6/80	6/82
erection order	3	4	2	1	2	3	4	6	5

Diagram annotations: A 'stop' label with an arrow points to the joint between panels 6/75 and 6/73 in the first row. Another 'stop' label with an arrow points to the joint between panels 6/73 and 6/27 in the second row. A dashed box encloses panels 6/27, 6/23, and 6/23 in the second row, with a '1/132' label and an arrow pointing to the joint between the two 6/23 panels. A '6/45' label with an arrow points to the joint between panels 6/27 and 6/23 in the second row.

FRONT

FLOOR PANELS AND ALIGNING MEMBERS - METHOD OF ASSEMBLY

In both runs of flooring the panels must be laid in the order shown and as tight as possible to the centre support; subject to this, work may proceed simultaneously on the two runs. The foundation must be clear of rubbish.

Insert the screw-levelling jacks 0/46 in sockets provided in the underside of the two master panels 6/73 and bolt the bearing channel shoes 0/47 on the ends of the principal cross-bearers through the holes provided; lay the panels where shown resting upon, and with the outer side of the bearers hard against the stops provided upon the bottom members of the steel wall panels and the centre floor support. Place one 1/180 beneath each levelling jack and adjust the jacks to take a solid bearing, with the panel level but not lifted.

Fix the levelling units and channels similarly to the panels adjoining 6/73 and lay them with one end of their main cross-bearers resting in the channels upon 6/73 and the other supported upon the levelling units adjusted as before described. Continue laying the panels outwards to the ends of the building, bringing each panel hard up against its neighbour with the rebated edges meeting properly.

Lay the extreme end panels 6/81 and 6/82 before the adjoining 6/80: in both 6/81 and 6/82 adjust one levelling jack in the normal manner and the other one - adjoining the gable-end - with a screwdriver through the hole in the top of the panel;

FLOOR PANELS 21

CONTINUED

after adjusting fill the hole with plug 6/77. Note that the wide panels 6/74 and 6/75 have centre longitudinal bearers and the jacks in these must be adjusted from above and the holes plugged as described for 6/81 and 6/82; these panels embrace the concrete base provided to support the hearth and stove.

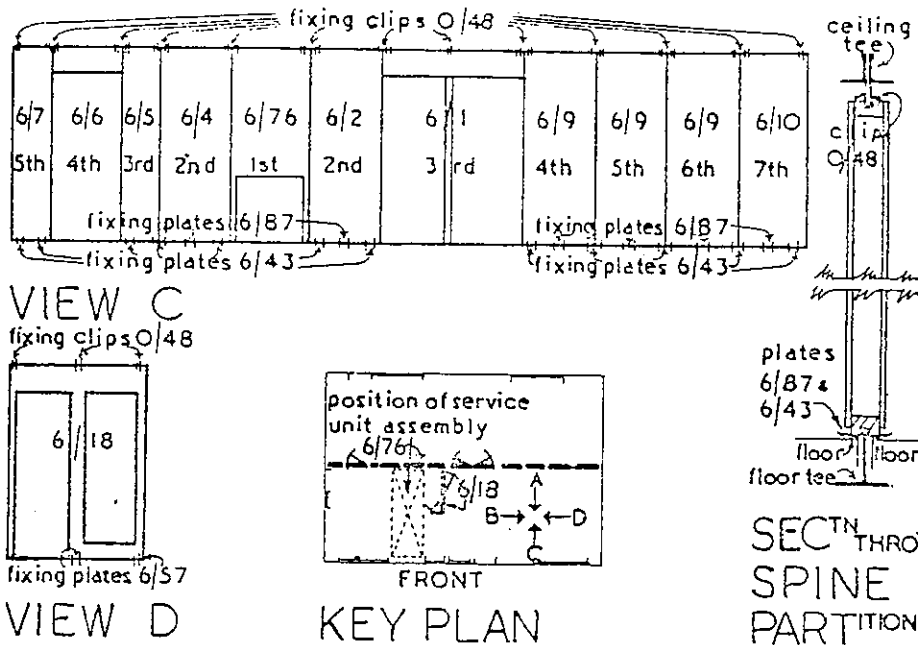
Lay the final floor panels 6/80 in the spaces remaining next to 6/81 and 6/82, with the centre cross bearer resting in the shoes of the adjoining panels; close up all the panels hard towards the stops at the middle of the building, and screw at 45° through the rebated edges with 1½" countersunk screws at all cross-bearers and intermediately.

Lay the aligning member 1/27 with the pin at one end engaging in the hole at the base of the steel mullion of panel 1/2. Lay the aligning member 1/29 with the projecting lug engaged behind the frame of panel 1/2 (adjoining 1/3). Take the two locating members 6/45, drop them into the short slots provided in the centre floor support (at each end of the long slot in the middle of the building). Straighten up 1/27 and 1/29 with their locating members 6/45, and screw through into floor panel. Also screw into the floor panel through 1/27 and 1/29 intermediately in their length: note that the holes used for this are those countersunk to receive No. 8 wood screws and that the ½" holes (in pairs) and the 1" x ½" slots are not used at this stage.

Lay the locating frame 1/182 butting against the edge of 1/29 and with the edge of its outer end lineable with the outer face of the projecting lug on 1/29; screw to floor.

Press down hard on to the floor panels the thresholds to the external doors, and secure by tightening the grub screws by which they are fixed to the steel wall panels.

SPINE PARTITION UNITS 22



PARTITIONS, ETC. - SPINE PARTITION UNITS, AND 6/18

Nail to the floor where shown the fixing plates 6/43 with their central crests spanning the upward projection of the floor support : note that these plates in some cases have one partition unit only resting on them, and in other cases engage two adjacent units. Between 6/43 where shown nail the half-length fixing plates 6/87.

These plates are provided to hold the groove in the bottom rails of the units; the tops of the units are held by clips O/48 (engaging the lugs projecting downwards from the ceiling support) two of which the contractor is to screw to each unit, 1" clear of the edge; and one additional in the centres of 6/1 and 6/18. Fix 6/76 which locates by means of its steel sill member into the slot provided in the floor support; erect the remaining units in the order shown with the tongues and grooves properly married and the fixing plates and top clips properly engaging; close up all the units hard against each side of 6/76; screw through the bottom rails of 6/10 and 6/7 into the floor to prevent lateral movement. Screw through the steel threshold of 6/1 and 6/6 into the floor. (The units may be fixed either by placing them vertically upon the floor fixing plates, with the top fixing clips in the spaces between the projecting lugs, and then sliding them along; or by engaging the top fixing clips with the units at about the correct final position, lifting the units, moving their bottoms to come above the floor fixing plates and lowering them).

SPINE PARTITION UNITS 22

CONTINUED

Take fixing plates 6/57 and nail them over aligning member 1/27 through the $\frac{1}{4}$ " holes provided (in pairs). Erect partition unit 6/18 (over these plates and with its top clips engaging the steel top locating member 1/24) hard against the spine partition; screw through steel threshold into floor.

ARCON
MARK V

CEILING PANELS 23

6/67 3rd	6/41 4th	6/41 2nd	6/41 1st	6/41 1st	6/41 2nd	6/31 4th	6/69 3rd
6/68 2nd	6/32 3rd	6/33 1st	6/32 1st	6/32 2nd	6/32 3rd	6/32 5th	6/70 4th
6/67 3rd	6/41 4th	6/34 2nd	6/35 1st	6/36 1st	6/42 1st	6/41 3rd	6/69 2nd
6/38 3rd	6/32 4th	6/32 2nd	6/39 1st	6/32 1st	6/32 2nd	6/40 3rd	6/70 2nd

note - These two panels are not to be fixed until later

FRONT

PARTITIONS, -ETC. - CEILING PANELS

Note that at the outside walls the ceiling panels are supported by their metal bearing shoes 0/45 resting upon the steel angles provided on the inside of the steel wall panels, and at the centre of the building by the shoes resting upon the outstanding legs of the steel tee-section; between these lines of support there are the subsidiary steel tee-sections the outstanding legs of which are received into the grooves ploughed in the edges of the ceiling panels. All four runs of ceiling panels may be fixed simultaneously.

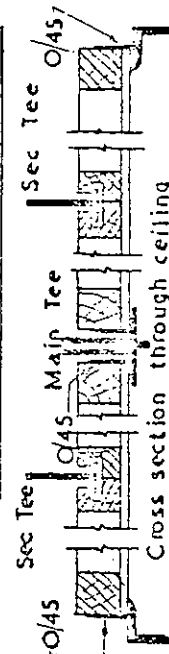
Fix to the plain edge of each ceiling panel two bearing shoes 0/45, $\frac{7}{8}$ " clear of rebated edge.

Select the panels shown as "1st" and place in position hard against the stops provided on the steelwork; screw upwards into them through the holes provided in the steelwork upon which they rest. Continue laying the panels similarly in the order shown; finally close up all the panels hard towards the stops so that their rebated edges are properly married, and screw-fix as before described. Note that the two panels 6/36 and 6/37, which are at a lower level, are not fixed until later (see 29).

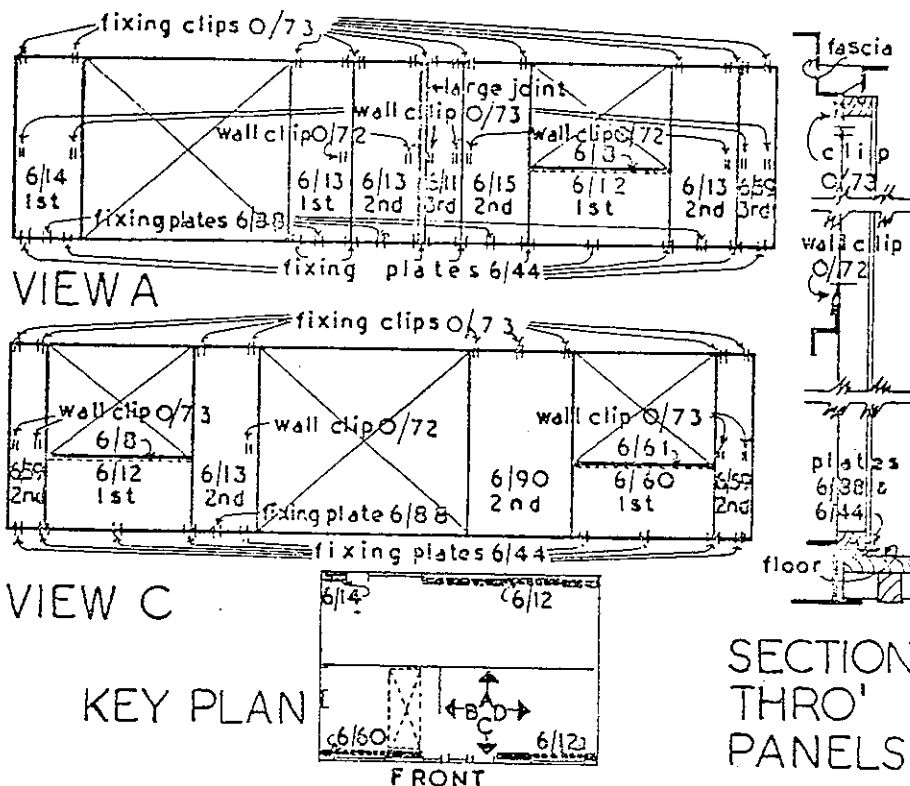
For the sake of clarity the erection of the M.O.W. Service Unit is described as a separate sequence of operations (see 33 to 45), but the contractor should realise that 33 and 34 should be begun immediately the partition unit 6/76 and the ceiling panels above have been placed and continue simultaneously with the erection of the remaining partitions, wall linings, ceilings and cupboards.

END OF PART II

ARCON
MARK V



WALL LININGS 24



PARTITIONS, ETC. - FRONT AND BACK WALL-LININGS

Nail to the floor where shown the full-length and half-length fixing plates 6/44 and 6/38; screw through from the window-cills to the fixing members 6/3 and 6/61. Fix wall-lining units 6/12 and 6/60 centrally with the windows over, by placing over the fixing plates 6/44 and screwing at the top into the wooden members 6/3 and 6/61.

Fix at the top of each full-height unit (screwed to the vertical framework) two fixing clips 0/73 to engage the top member of the steel framework; fix similarly at half-height adjoining the tongued edge one fixing clip 0/72 (with one screw only) to engage the centre rails of the steel framework; except that the unit fixed last in any given run has two rebated edges and is provided with four clips 0/73.

Proceed with the fixing of the units in the order shown marrying the tongues and grooves correctly, by lifting the unit with the top clips 0/73 engaged behind the steel, lowering it with the groove in the bottom rail engaging the floor fixing plates, and reaching behind each tongued edge in turn to rotate the half-height fixing clip 0/72 from horizontal to vertical so

WALL LININGS 24

CONTINUED

that it engages properly. The unit fixed last in each run is raised and lowered as described so that all four clips 0/73 engage.

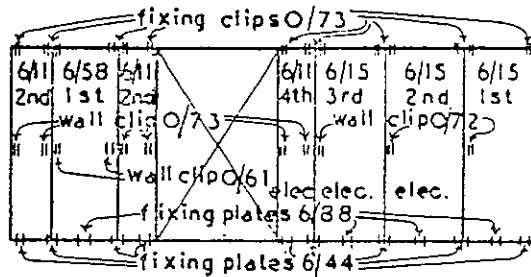
Do not yet employ any 6/11 or 6/15 with stamp markings on their faces (see 25).

Note that on the back wall 6/14 and the first 6/13 are symmetrical about the large window, and any over-wide joint is to occur between the second 6/13 and 6/11; on the front wall 6/90 is extra thickness to form a stop and fixing for the Service Unit; it has one additional top fixing clip 0/73 and no half-height clips.

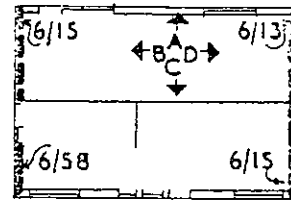
Side screw into the floor through the bottom rails of all panels that are fixed the last of their particular run.

ARCON
MARK V

WALL LININGS 25

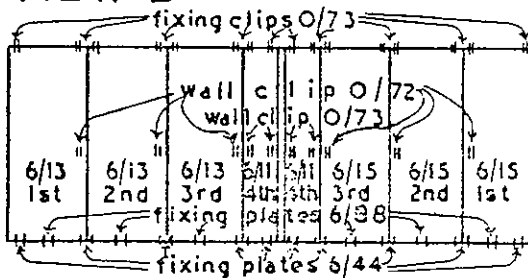


VIEW B



FRONT

KEY PLAN



VIEW D

PARTITIONS, ETC. - GABLE END WALL-LININGS

After the front and back wall-linings are complete fix the linings to the gable ends in the same way.

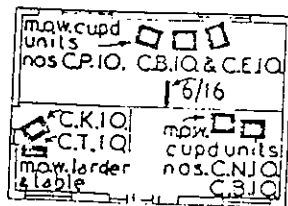
Note that work can proceed simultaneously on all the runs of wall-lining units provided that the front and back walls have to be complete where they adjoin the gables before the gables can be fixed.

One unit 6/11 and two units 6/15 have stamped on their face sides symbols showing the positions at which electric cable clips are to be fixed: these units are to be placed as shown (marked "elec" on view B). The wall lining 6/58 has at half-height the two clips O/61 which are used in the same way as O/72 but are of more substantial construction.

The erection contractor will find it convenient to get the kitchen wall-linings finished as soon as possible so that the men erecting the Service Unit have more room to work.

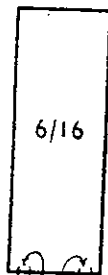
ARCON
MARK V

CUPBOARD UNITS 23



FRONT

KEY
PLAN



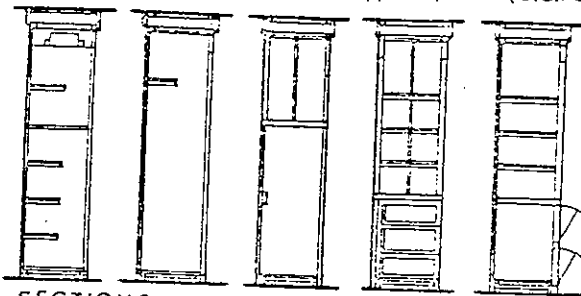
fixing plates
6/91



CT.10.

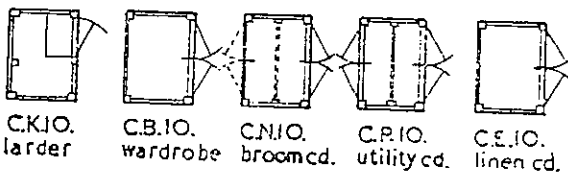
M.O.W.
PAR-TITION
TABLE
UNIT

these cupds shown as fixed with ceiling frames (CF.10) friezes (CF.11 & 12) & support plates (CC.10)



SECTIONS

PLANS



M.O.W. CUPBOARD UNITS.

PARTITIONS, ETC. - M.O.W. CUPBOARDS UNITS AND PARTITION 6/16

Take the partition unit 6/16, fix to bottom rail (about 3" in from each end) two fixing plates 6/91, and place it temporarily in position resting in the recess in b/l formed to receive it.

Carry into the building the M.O.W. units shown and stand them in any convenient place. The cupboards and larder are positioned as and when described in the following pages, and fixed by the following sequence of operations: -

1. All components are provided, Contractor to supply and fix locating blocks and screws.
2. Fix locating blocks to floor at extreme internal corners of each group of cupboards hard against the end plywood panels.
3. Place Cupboards in the position shown on the drawing and over the locating blocks.
4. Screw cupboards together through adjoining inner faces in each case.
5. Place Ceiling frame, flat face uppermost, on top of cupboards.
6. Insert support plates at end of each group and spike through splayed ends of these to cupboard framing.
7. Raise ceiling frame with top face held hard to ceiling and support by nailing through top of each support plate. Also fix ceiling frame to ceiling at points where ceiling panel rails occur and in correct alignment to cupboard.
8. Neatly pin frieze pieces to top edges of cupboards and exposed edges of ceiling frame, first pressing upper edges of frieze pieces hard to ceiling.

ARCON
MARK V

27



TABLE UNIT
metal cover strips
to flap table —

AIRING
CUPD

FIXING OF
PARTITION
6/16

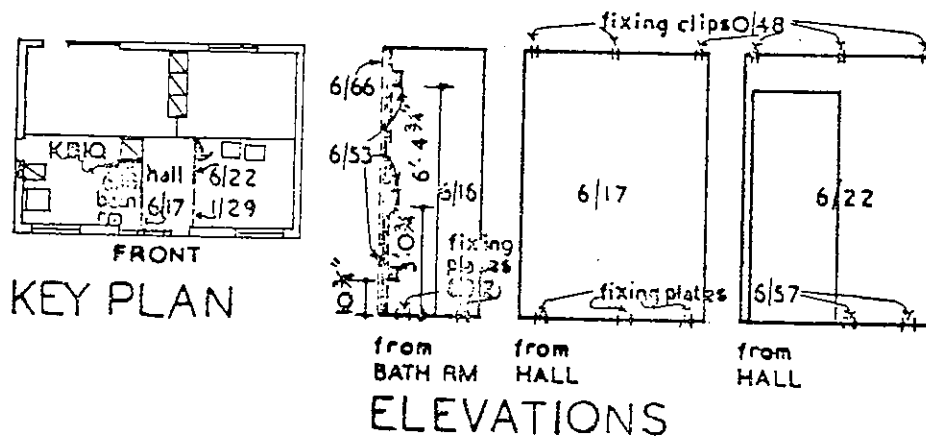
Fix into position (as described in 26) the cupboards between the Living Room and Bed Room 1, together with partition 6/16. These are located centrally upon the groove in partition 6/1 and at right-angles to the spine; the outer cupboards butt hard against the wall-linings 6/11 and 6/13, covering any over-wide joint there may be. Fix the cupboards together by screwing through the adjacent ends; fix 6/16 against the cupboard with the angle cleats 6/53, three each side, screwed both ways, at heights of $10\frac{1}{4}"$, $3.0\frac{1}{4}"$, $6.4\frac{1}{4}"$, between floor and bottoms of cleats.

Insert the table into the recess of wall-lining unit 6/58 and screw-fix; screw the metal cover-riplets 2/108, 2/109, 2/110 around.

Assemble the Airing Cupboard and place it in position hard against the spine partition and in the angle formed by the projection of 6/18; screw the side frame of the cupboard to the spine. The loose shelves 6/50 should not yet be put in place.

Note that the first length of hot-air trunk P.P.10 (see 34) must be in position before the airing cupboard.

ARCON
MARK V

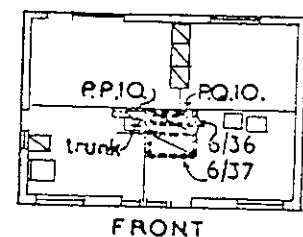


PARTITIONS, ETC. - PARTITIONS ADJOINING BATH ROOM AND BED ROOM 2

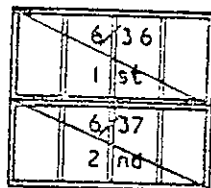
The part of the Service Unit forming the partition with shelves at the head of the bath (K.B.10) will now have been fixed (see 39). Take fixing batten 6/66 and screw to back of K.B.10 with screws at 2", 1'1", 2'9", 3'10", 6'1" and 7'0" above floor. Take 6/16, screw to the bottom rail two fixing plates 6/92, 3" from each end, and insert it with one end behind 6/66 and the other in the groove formed in 6/13; screw together 6/16 and 6/66 with three angle cleats 6/53 at heights of 10 $\frac{1}{2}$ ", 3'0 $\frac{1}{2}$ ", 6'4 $\frac{1}{4}$ " between floor and bottoms of cleats. Note that the fixing plates 6/92 project upon the Bath Room side of the partition.

Fix partitions 6/17 and 6/22 and fix as described for 6/13 (see 22) including fixing plates, screwing of threshold to floor, and three fixing clips 0/48 each; 6/17 butts hard against 6/13, and 6/22 against the spine.

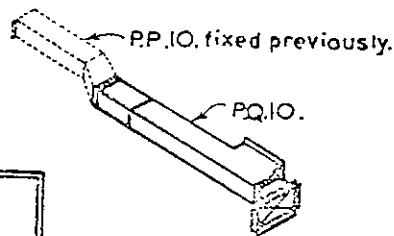
HOT AIR TRUNK & FALSE CEILING 29



KEY PLAN



CEILING PANELS



HOT AIR TRUNK complete

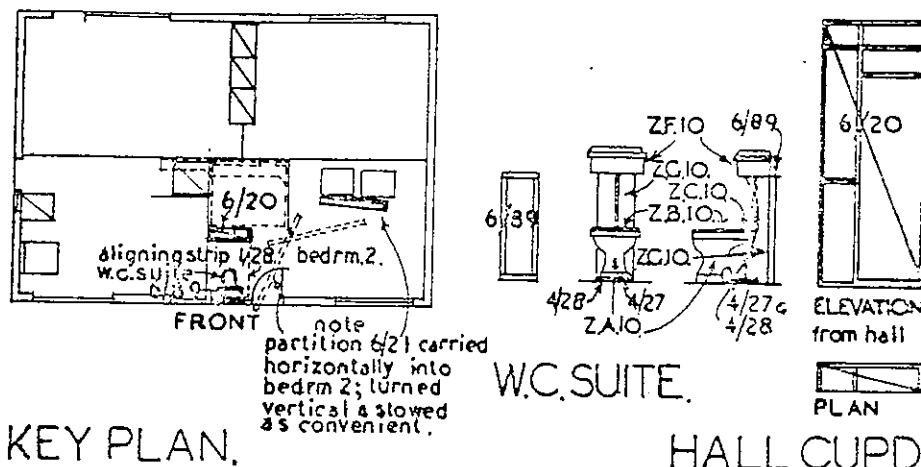
PARTITIONS, ETC. - HOT-AIR TRUNK AND FALSE CEILING

Take the remaining part of the hot-air trunk P.Q.10, close up the telescopic joint, lift up, slide one end over the outstanding end of P.P.10, open out the telescopic joint until the flanges at the other end bear against the framing in partition 6/22 around the ventilator. Screw through the flanges into this framing, and similarly through the flanges around the other outlet into the vent framing in partition 6/1. The end of P.P.10 can now be finally positioned and fixed by screwing through the angle lug beneath it into the back of partition 6/18. If the plumber and electrician have now completed their work to the adjoining portion of the Service Unit, the loose shelves to the airing cupboard may now be put in place, and the plumber should assemble the W.C. suite as described in 30.

Take ceiling panel 6/36, engage the grooves formed in the end rails with the outstanding legs of the steel angles upon partitions 6/18 and 6/22, and slide it along to butt against partition 6/1. Insert 6/37 similarly to butt against 6/34 with the rebated edges meeting properly.

At this stage the first part of the electrical contractor's work (running the harness and connecting the Service Unit) should go forward as detailed in the separate Manual.

HALL CUPBD. ALIGNING STRIP. W.C. SUITE. 30



PARTITIONS, ETC. - HALL CUPBOARD, ALIGNING STRIP, W.C. SUITE

Because the space near the hall, W.C., etc., is now becoming somewhat restricted and will soon be even more so, the erection contractor should select partition 6/21, carry it horizontally into Bed Room 2, turn it vertical, and lean it against the wall at any convenient place. For the same reason, if the plumber is available, the fixing of the W.C. suite should be carried out as described below, although this is not absolutely essential.

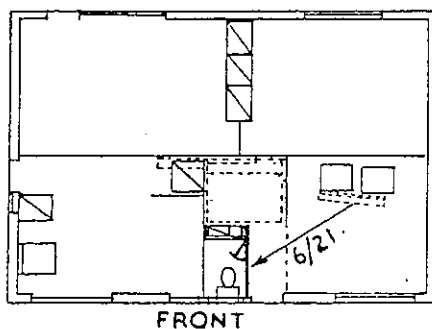
Take the W.C. back frame 6/89, offer it up centrally against the steel panel beneath the window, mark through the four holes in the frame, remove the frame and drill the steel panel to receive the four P.K. 14Z self-tapping screws. Raise the frame again and screw it to the steel panel. Screw through the holes provided in the sheet-metal pedestal Z.C.10 of the W.O.W. W.C. suite into the frame 6/89. Place the pan Z.A.10 with outlet fitting into opening of soil drain and make the joint; screw the W.W.P. (Z.F.10) to the pedestal, fix and connect (Z.D.10) the flush pipe, Z.E.10. Screw to the floor the split metal collar 4/27 and 4/28. Fix the seat Z.B.10 with fittings Z.C.10.

Take the hall cupboard 6/20 and swing it upright with one end against partition 6/17 and the front against the edge of ceiling panel 6/37. Place the aligning member 1/28 with the outstanding lug at one end entered into the hole in the base of the steel mullion and the other end bearing sideways against the steel lug fixed to the base of 6/20. Screw 1/28 to the floor as described for 1/27 and 1/29, and screw 6/20 to 6/17.

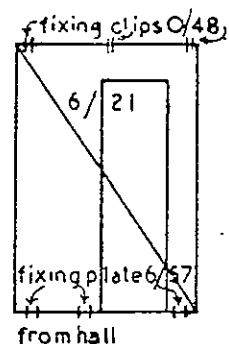
ARCON
MARK V

PARTITION 6/21

31



KEY PLAN



ELEVATION

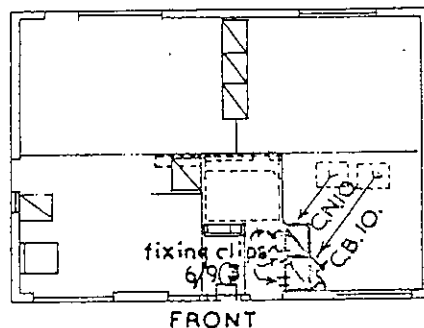
PARTITIONS, ETC. - HALL/W.C. PARTITION

Screw the fixing plates 6/57 in position over aligning member 1/28; carry partition 6/21 from Bed Room 2 and fix it as previously described (with 3 top fixing clips 0/48). Screw through from cupboard 6/20 into 6/21.

The running of the electrical harness (see separate Manual) can be finished as soon as the partitions and wall-linings are complete.

CUPBOARD UNITS

32



KEY PLAN

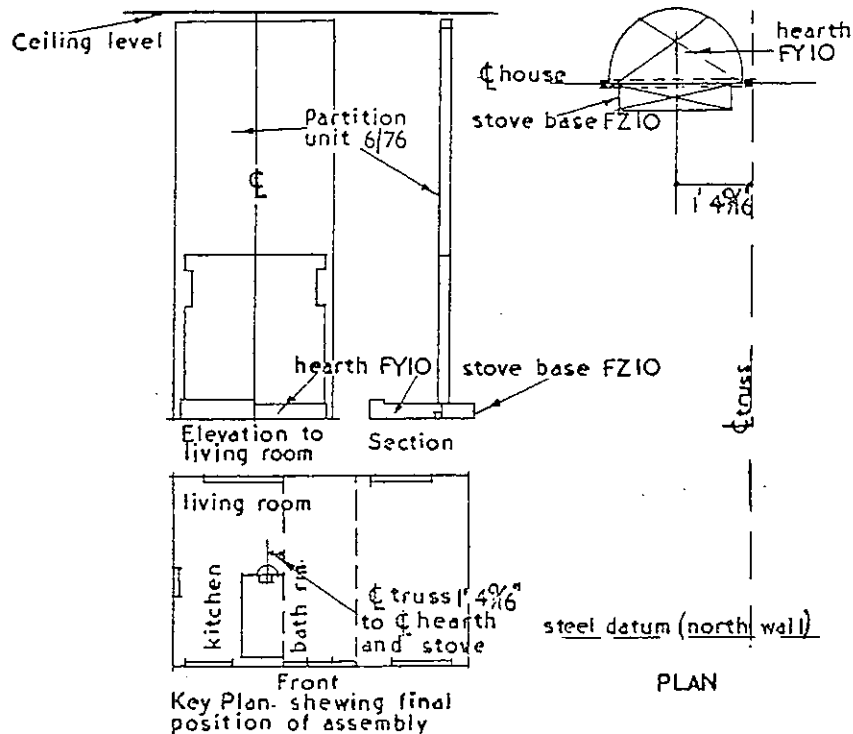
PARTITIONS, ETC. - CUPBOARDS BETWEEN HALL AND BED ROOM 2

Take the three fixing plates 6/93 and screw them to the floor through the holes provided in 1/29. Place the M.O.W. cupboards on top of 1/29 and 1/182 and lining through with partition 6/22, fix complete with friezes, etc., and screw to partition 6/22 with cleats 6/53, all as described previously (26 and 28).

END OF PART III

ARCON
MARK V

SERVICE UNIT 33



SERVICE UNIT - HEARTH AND STOVE BASE

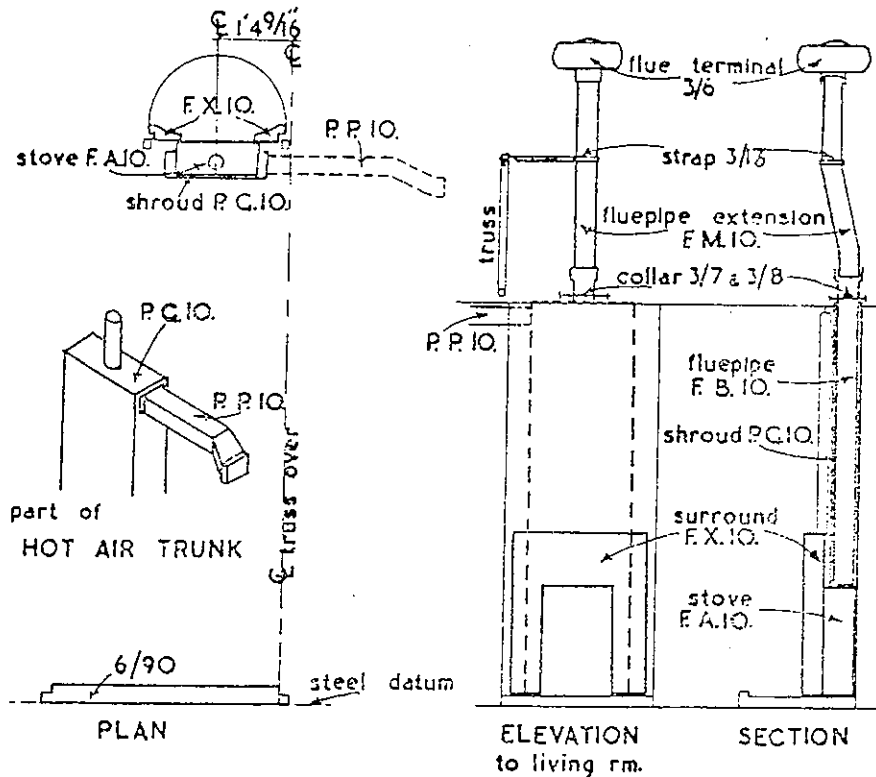
Place in position the terrazzo hearth F.Y.10 and concrete stove base F.Z.10, centrally with partition unit 6/76.

Note (1) that this operation (33) and the one following (34) are included in this part of the Schedule in order that a complete and consecutive description may be given of the assembly of the Service Unit; the contractor should realize that these two operations are actually proceeded with immediately the ceiling panels are completed - i.e. after operation 23.

(11) that the Service Unit supplied to houses in Scotland differs from those used in England in respect of the hot-air shroud, the sink, and the sink-framing and appurtenances; general particulars of this Scottish Service Unit are given as a separate ADDENDUM SHEET A in addition to the notes given in the course of Operations 33 to 45.

ARCON
MARK V

SERVICE UNIT 34



SERVICE UNIT - SURROUND AND STOVE, ETC.

Place the slow combustion stove F.A.10 in position upon the base F.Z.10; at the same time bring in the terrazzo surround F.X.10, place it with the galvanized dowels entering into the hearth F.Y.10, turn horizontally the steel lugs upon the back of the surround until they engage behind the blocks provided upon the partition 6/76, and screw through.

Take the shroud P.G.10 (which has one spigot outlet blanked off) and insert hot-air trunk P.P.10 over the projecting spigot. Enter the flue-pipe F.B.10 socket upwards into the shroud. Raise the assembly into place around the stove and upon the stove-base and screw the shroud P.G.10 to the back of partition 6/76. Insert the bottom of the flue-pipe F.B.10 into the socket on the stove F.A.10 and caulk with fire cement.

Raise the flue-pipe extension F.M.10 and terminal 3/6 sufficiently to clear the flue-pipe F.B.10, seat the spigot end of F.M.10 into the socket of F.B.10 and caulk the joint with fire cement. Pack the junction between the flue-pipe and the top of the shroud with asbestos packing.

Fix the metal strap 3/16 to steady F.M.10 from the truss rafter. Extract the two sheet-metal screws at the middle of the tiebar to the ceiling panel 6/34, take the split collar 3/7 and

SERVICE UNIT 34

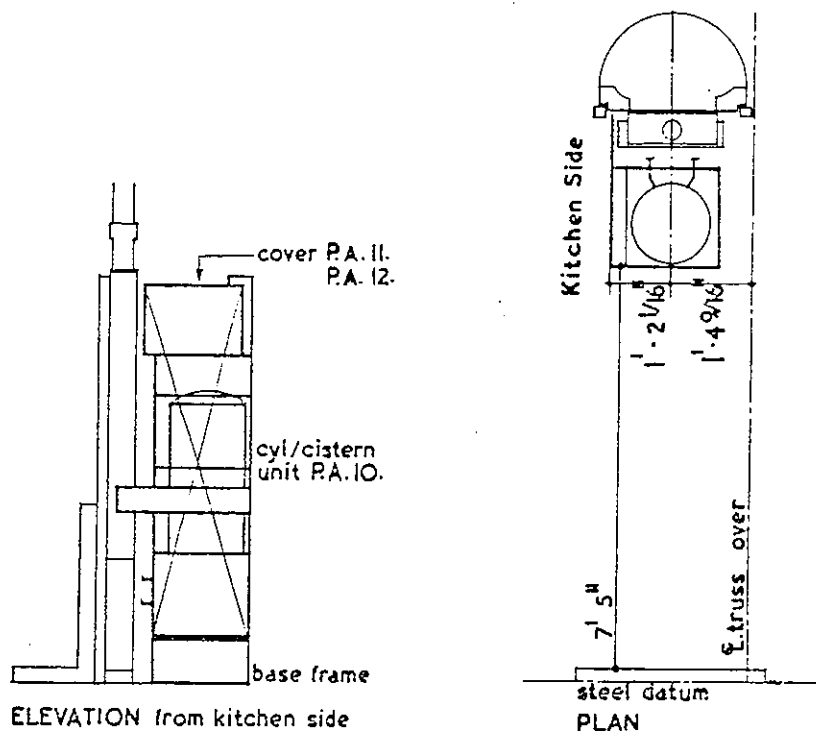
CONTINUED

3/8 and place it round the flue-pipe, replace the sheet-metal screws through the collar and the tiebar and also screw through the collar into the ceiling panel. Pack between split collar and flue-pipe with asbestos packing.

Note that in Scotland the shroud P.K.10 will replace P.G.10, and the stove F.L.10 will replace F.A.10.

ARCON
MARK V

SERVICE UNIT 35



SERVICE UNIT - CYLINDER/CISTERN UNIT AND BASE

Place in position the angle-iron base frame; place upon it the Cylinder/Cistern Unit P.A.10; bolt together with the eight nuts and bolts provided. Place the two parts of the cistern cover, P.A.11 and P.A.12, in position.

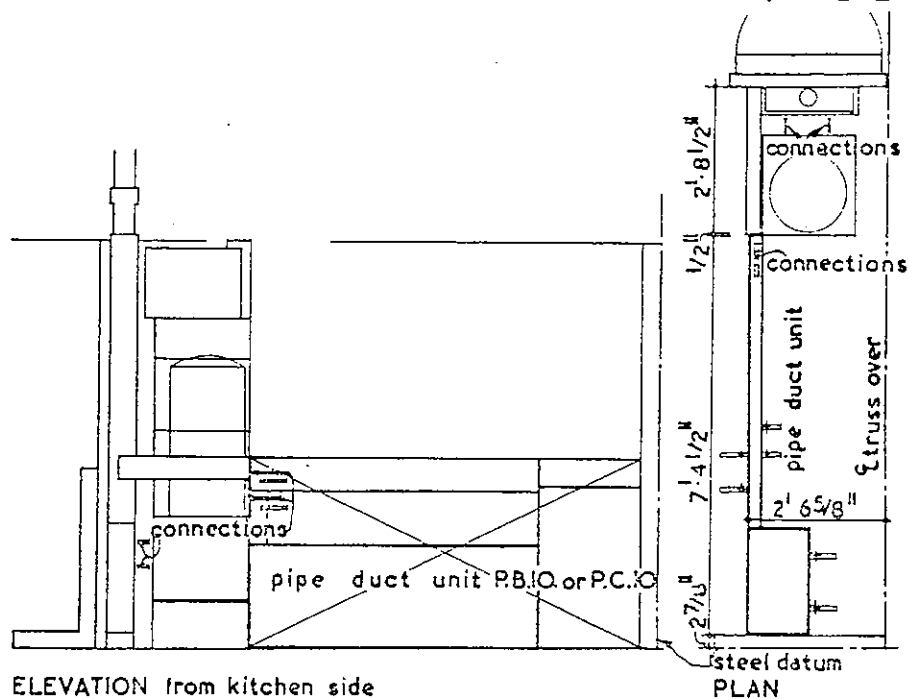
The fixing of the hot-air trunk P.Q.10 (see 29) may possibly be carried out conveniently at this point, or it may be deferred to a later stage of the plumbers' work.

Note that in Scotland the Cylinder/Cistern Unit P.L.10 is supplied instead of P.A.10.

Note that in certain areas where instructed by the S.O. the galvanised cistern is to be protected against aggressive water in accordance with M.O.W. Specification.

ARCON
MARK V

SERVICE UNIT 36



SERVICE UNIT - PIPE DUCT UNIT

Take the pipe duct unit P.B.10 (all electric) or P.C.10 (gas and electric) and remove the projecting part of the 1" diameter overflow; place the unit in position, level it up if necessary with thin steel packings so that the top of the pipe duct unit is lineable with the shoulder of the cylinder/cistern unit and connect the two units together with the bolts and spacers provided.

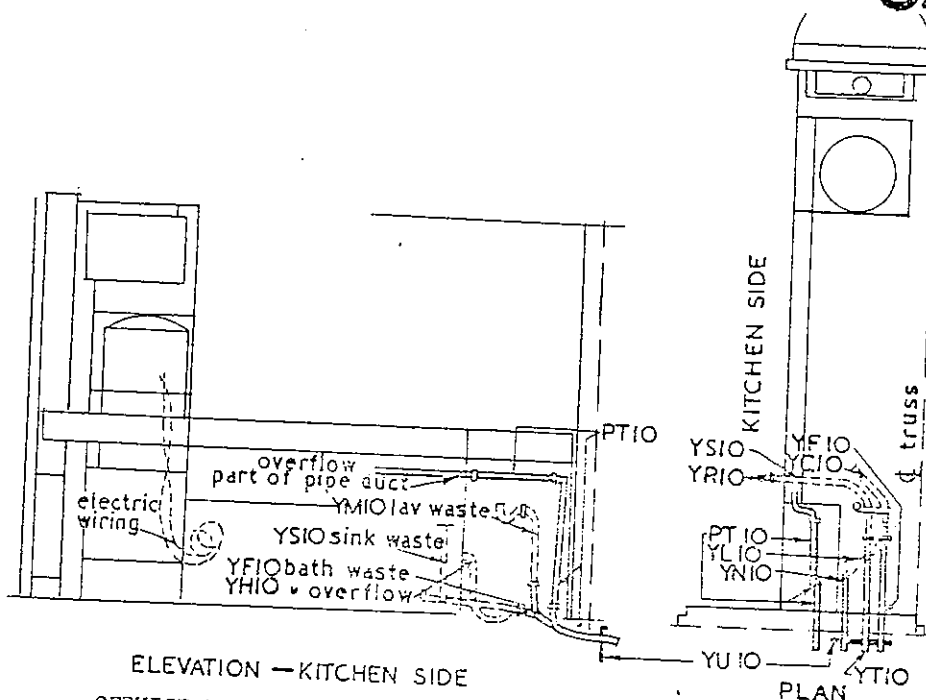
The erection contractor should note the dimensions figured on this and the preceding drawings: these are correct as calculated. If slight inaccuracies are found to exist either in the making of the various components or in the assembly the contractor must attend to the following important points:- (a) the centre line of the cylinder is the same as that of the stove (so that the primary circulation can be connected); (b) the assembly runs out at right angles to the spine partition and the outside wall; (c) the outer end of the pipe duct unit butts against the wall-lining panel 6/90. Screw the pipe duct unit to the floor.

Remove the sheet-metal coverplate from the bathroom side of the pipe duct unit and make the pipe connections to the cylinder/cistern unit. Measure the distances between the compression tees upon the cylinder and the boiler tappings, cut the copper connections (which are supplied about 1 1/2" long to accommodate discrepancies in the boiler tappings) to suit, and connect up.

Note that in Scotland the pipe duct unit supplied will be P.M.10 (all-electric) or P.N.10 (gas and electric).

ARCON
MARK V

SERVICE UNIT 37



ELEVATION - KITCHEN SIDE
SERVICE UNIT - WASTE AND OVERFLOWS, IMMERSION HEATER

Connect up the main cold water overflow pipe and tail P.T.10 (three lengths and two couplings). Note that the short length of straight tubing and extra connector are supplied in order to accommodate variations in the finishing point of the overflow as manufactured, and should be cut to length or discarded as necessary.

Connect up the following:- (a) bathwaste and overflow consisting of Y.A.10, Y.B.10, Y.C.10, Y.D.10, Y.E.10, Y.H.10, Y.F.10; (b) lavatory waste consisting of Y.K.10, Y.L.10, Y.M.10, Y.N.10; (c) sink waste consisting of Y.R.10, Y.S.10, Y.T.10 and pipe clip with screws Y.V.10. Before connecting up the tails Y.F.10, Y.T.10, Y.N.10, slide over them the outside cover plate Y.U.10.

Screw the pipe clip Y.V.10 to the floor and bolt the cover plate Y.U.10 to the bottom of the steelwork.

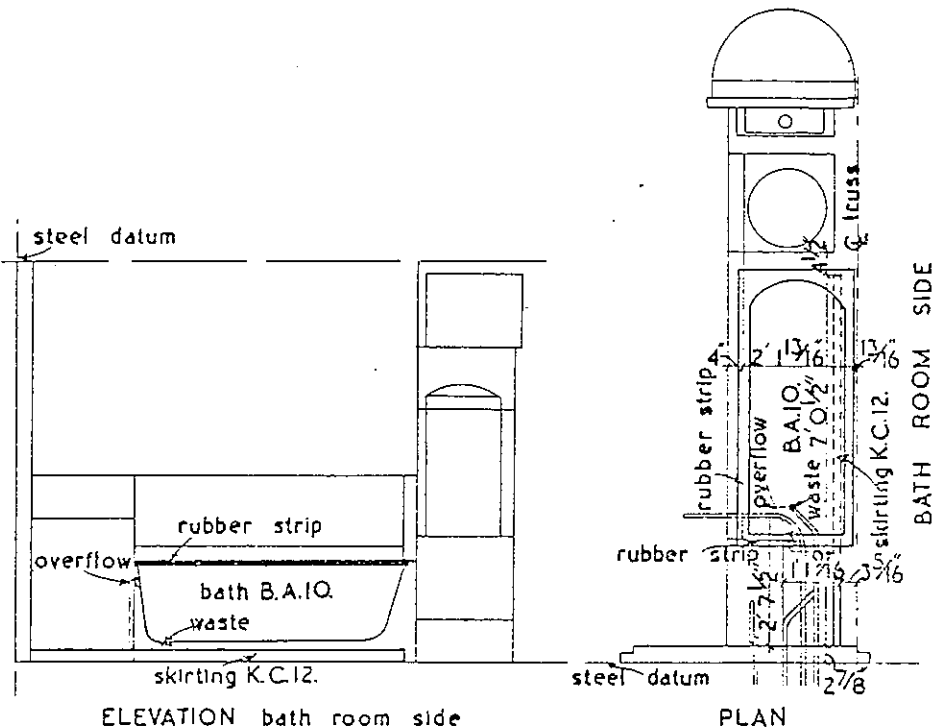
Uncoil the electric wiring upon the pipe duct unit and tie it temporarily as shown upon the cylinder unit (for the electricians' future use).

Note that in Scotland Y.P.10 and Y.Q.10 are omitted as these fittings form part of the double sink supplied; Y.S.10, is replaced by Y.W.10.

Receive the immersion heater from the Electrical Erection Contractor and fix within the cylinder; similarly receive the thermostat and fix to the frame of the cylinder/cistern unit. (This work to be done in co-operation with the Electrical Erection Contractor, who is responsible for the wiring and conduit assembly).

ARCON
MARK V

SERVICE UNIT 38



SERVICE UNIT - BATH AND SKIRTING

Note that the detachable sheet metal cover plate to the angle-iron frame at the foot of the bath may be supplied either screwed to the frame or loose; if the former is the case, detach it.

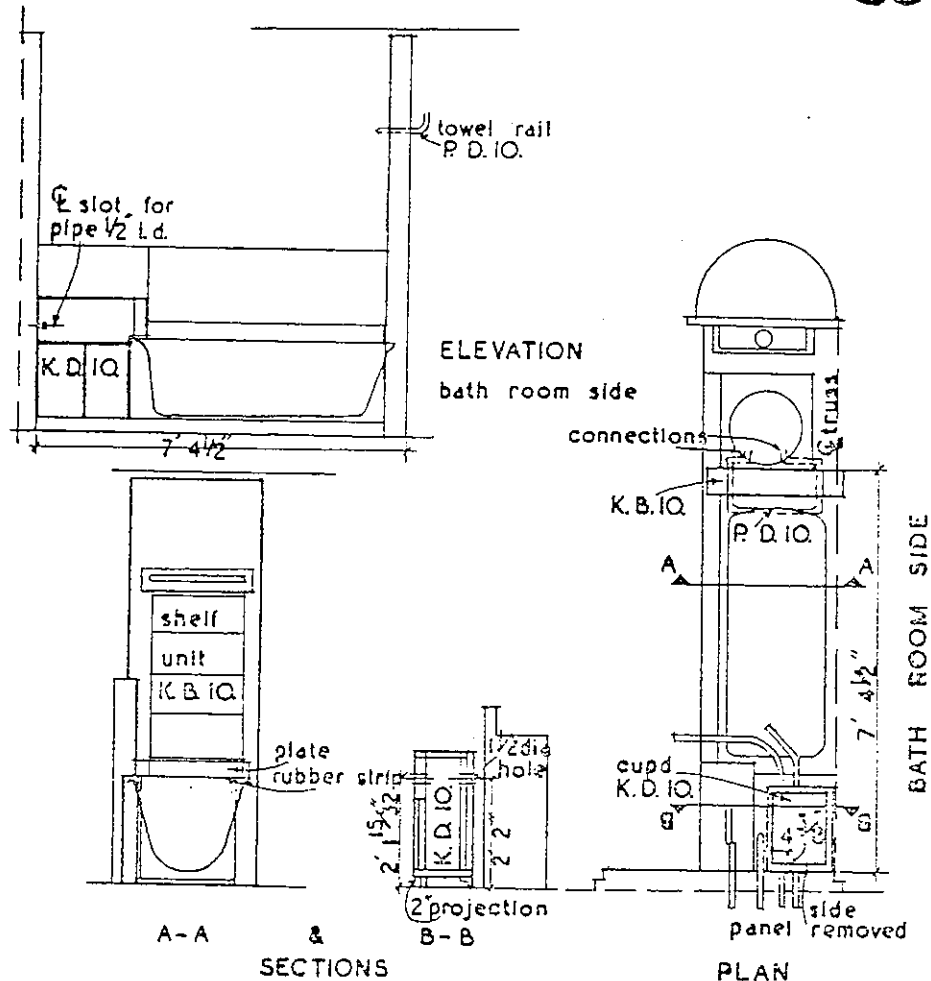
Take the bath B.A.10 and fix to it the adjustable feet B.B.10. Lay upon it the rubber strip packing P.B.10 or P.C.10. Place the bath as shown (use the cupboard K.D.10 as an end location against the wall-lining 6/90 but do not fix it); level up the bath, bringing the rubber strip properly between the fixed cover plate and the bath rim. Fit the overflow bend and grating B.C.10 and connect up the overflow and waste. Fit the plug and chain Y.G.10.

Take the skirting K.C.12 (note that this is supplied about 1" above the proper calculated length figured upon the drawing, and that it must fit between and butt against both the wall-lining 6/90 and the shelf unit K.B.10), cut to length and fix to floor, in the position shown, by spiking through the back face.

Note: If no rubber strip packing is provided, or where it is not practicable to use it, the joint between the cover plate and the bath rim is to be caulked with an approved mastic which is to be supplied by the Erection Contractor.

ARCON
MARK V

SERVICE UNIT 39



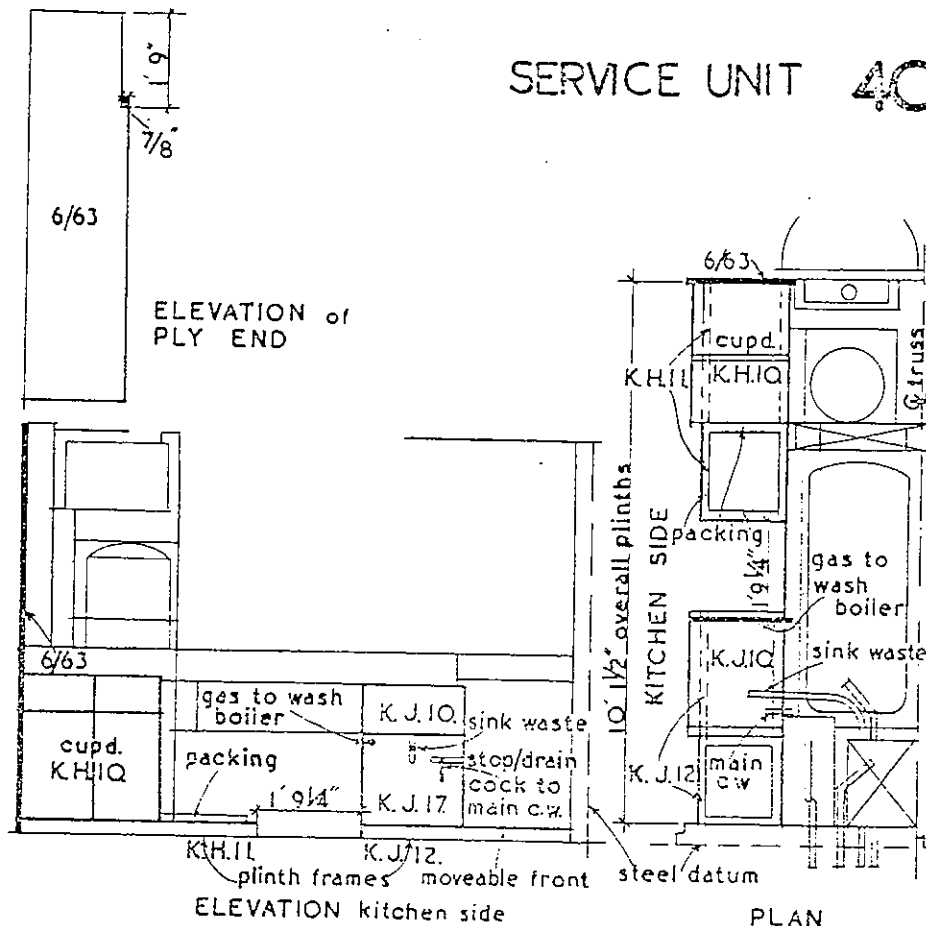
SERVICE UNIT - SHELF UNIT AND TOWEL RAIL,
LAV'Y BASIN CUPBOARD

Fix the shelf unit K.B.10 where shown by screwing from the Cylinder/Cistern Unit. Screw the towel rail P.D.10 to the face of K.B.10 and connect the circulation. Screw on the sheet metal cover plate to K.B.10, positioning the rubber strip, or caulking with mastic, as before described.

Take the Lav'y basin cupboard K.D.10, remove the L.H. side panel, and cut hole and slot back and front where shown. Place the cupboard where shown, hard against 6/90 and overhanging the skirting by 2"; screw through from the cupboard to the skirting and 6/90.

ARCON
MARK V

SERVICE UNIT 40



SERVICE UNIT - SINK FRAMING AND VEGETABLE CUPBOARD

Swing the wash-boiler gas connection 90° and disconnect the combined stop and drain cock. Place loosely the ply panel K.J.17. Fix the cupboard plinths K.H.11 and K.J.12; carefully note the dimensions figured and that the R.H. end of K.J.12 is about 1" long for cutting to the appropriate length. Place the 1/2" ply end 6/63 loosely in position against the spine partition. Note that in some cases 6/63 may be delivered without the notching shown, when the erection contractor is to form it on site.

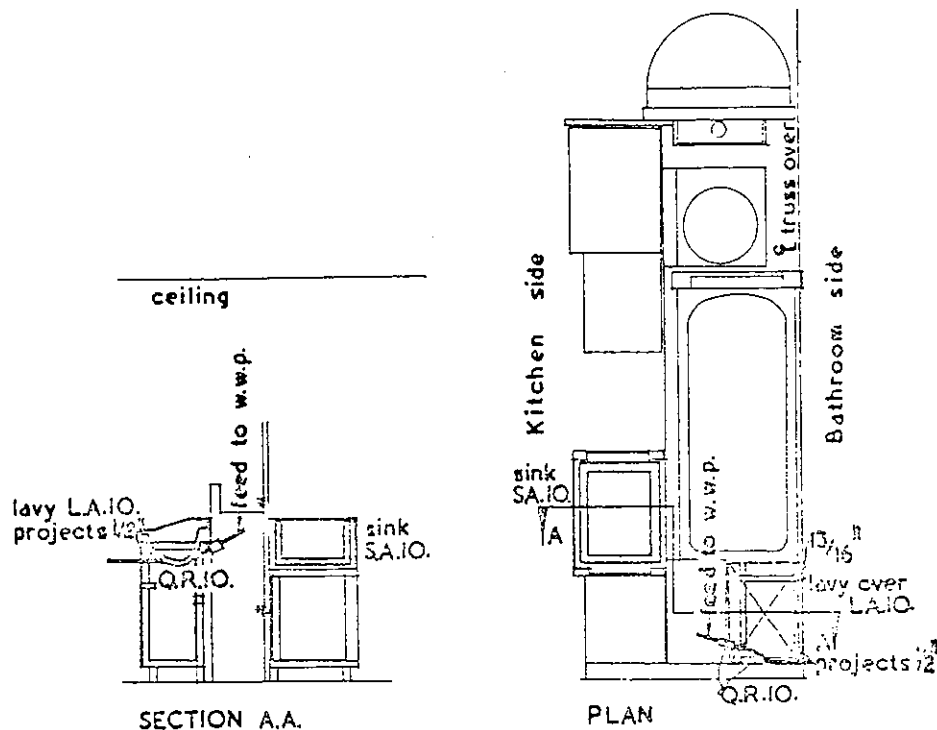
Offer up the vegetable cupboard K.H.10 to the metal cover plate behind it; mark on the plate the level of the cupboard top; remove the cupboard and the plate; screw together at the correct heights; replace in position; screw the cupboard to the plinth and the cover plate to the angle-iron frame.

Place in position the framing K.J.10 supporting the sink.

Note that in all-electric houses there is, of course, no gas connection to the wash-boiler. In Scotland the plinths K.H.11 and K.J.12 will be replaced by K.X.11 and K.W.13, the cupboard K.H.10 by K.X.10, the ply K.J.17 by K.W.19, the framing K.J.10 by K.W.10.

ARCON
MARK V

SERVICE UNIT 41



SERVICE UNIT - SINK, LAVATORY BASIN AND W.W.P. FEED

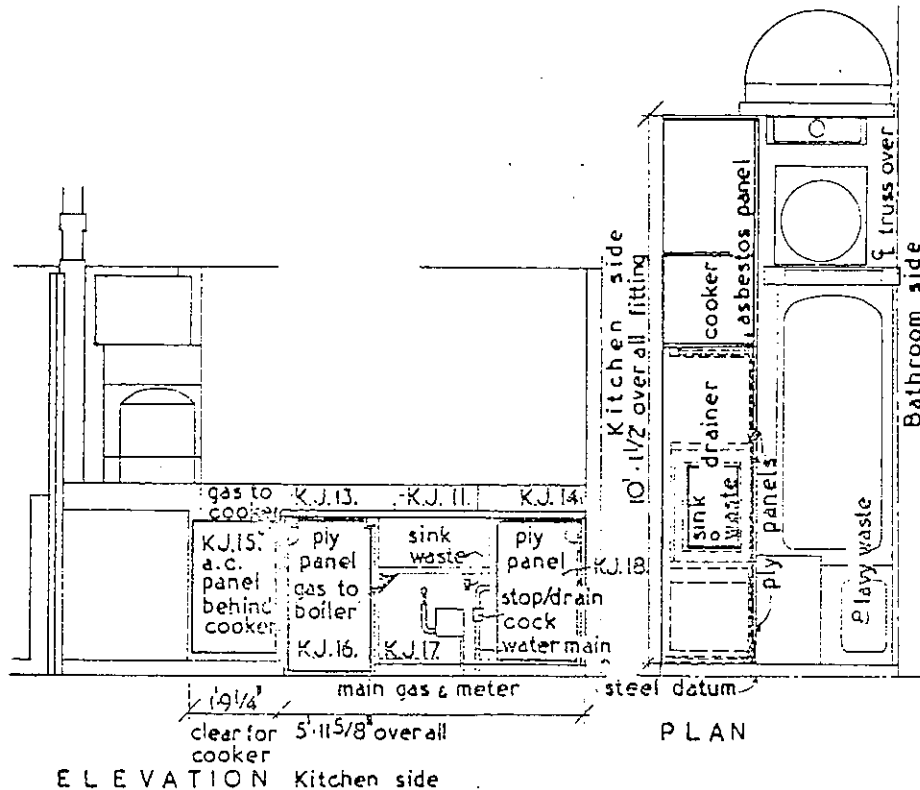
Place the sink S.A.10 in position.

Enter the W.W.P. feed Q.R.10 through the cupboard K.D.10 and connect to the pipe in the duct. Place the lavatory basin L.A.10 in position (hard against the wall-lining 6/90 and projecting 1/2" forward from the cupboard K.D.10) and locate with round head screws, screwed to the top of K.D.10.

Note that in Scotland a double sink S.B.10 is supplied, complete with waste outlets, plugs and chains.

ARCON
MARK V

SERVICE UNIT 42



SERVICE UNIT - DRAINING BOARD, COOKER, REFRIGERATOR, WATER, GAS TEST

Make the gas and water main connections and reconnect the stop and drain cock.

Locate the ends K.J.13 and K.J.14 of the sink/drain-board assembly upon the plinth and wedge the sink up to level. Apply mastic pointing to the top edge of the sink, place in position the draining board K.J.11 (which is supplied about 1" long and must be cut to size), screw up all the joints of the assembly and screw from the pipe-duct unit into the back edge of the draining board. Connect the sink and lavy-basin wastes and fix the plugs and chains, Y.P.10 to sink and Y.J.10 to lavy-basin.

Fix the asbestos sheet K.J.15 at rear of cooker opening and the ply sheet K.J.16, 17 and 18, at the rear of the compartments for the wash-boiler, meters, and refrigerator respectively (but see below concerning K.J.18). Screw to the top corner of the meter compartment the gas connection to the wash-boiler.

Disconnect the gas supply pipe from the cooker, screw the threaded end into the adaptor on the angle-iron frame, place the cooker V.A.10 in position, and make the connection.

When a gas refrigerator is supplied, place the refrigerator

SERVICE UNIT 42

CONTINUED

R.B.10 in position and connect the $\frac{1}{2}$ " union gas cock on the angle-iron frame. In general, access for making this connection is through the removable back panel of the lavy-basin cupboard K.D.10 or through the removable vent grille in the front of the refrigerator but with certain types of refrigerator it may be necessary to remove and refix the ply sheet K.J.18. Leave complete with all fittings.

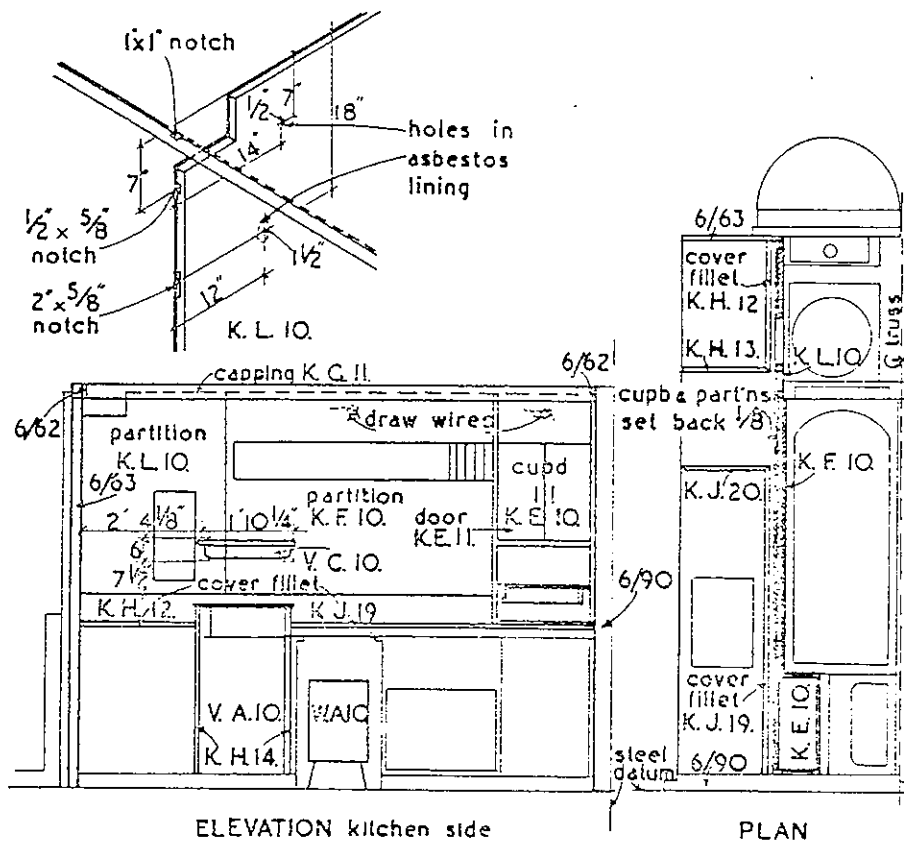
Note that if the cooker and refrigerator are supplied with adjustable injectors the M.O.W. Clerk of Works will ensure their adjustment by the local gas undertaking to suit the supply, and if they are supplied without injectors he will arrange for suitable fixed injectors to be provided by the manufacturers of the appliances concerned. The local gas undertaking will fit and adjust all gas injectors, will fix and connect the gas meter to both the main and the service pipe, and will fix a governor over the meter (where necessary). The erection contractor should arrange for this work to be done at this stage.

The local gas undertaking will also test the installation, and the erection contractor shall make good any defects.

Note that in all-electric houses the cooker will be V.B.10 (for A/C) or V.D.10 (for D/C); the refrigerator will be R.A.10. In Scotland the loose ends K.J.13 and K.J.14 are replaced by K.W.14, K.W.15 and K.W.16; the draining board K.J.11 by K.W.11 and K.W.12, and the backing sheets K.J.15, K.J.16, K.J.17, K.I.18, by K.W.17, K.W.18, K.W.19, K.W.20; a wringer board S.C.10 is supplied.

ARCON
MARK V

SERVICE UNIT 43



SERVICE UNIT — CUPBOARD OVER REFRIGERATOR,
PARTITIONS, PLATE RACK, COVER FILLETS, WASH-BOILER

Raise the cupboard over the refrigerator K.E.10, pull the draw-wire of the electrical harness through the hole on the back, place the cupboard on the pipe-duct unit hard against the wall lining 6/90, insert block between the cupboard and the pipe-duct unit, screw through the cupboard into 6/90 and the block, screw through the pipe-duct unit into the block.

Raise the pot-shelf partition K.F.10, pull the draw-wire of the electrical harness through the hole on the kitchen side, place the partition as shown upon the top of the pipe-duct unit, screw through from K.E.10 into the edge of K.F.10 and from the edge of K.F.10 into K.B.10. Hang the cupboard door K.E.11.

Take the partition K.L.10, remove the asbestos sheet back and drill holes as shown, notch the timber framing member as shown. Place the asbestos sheet upon the shoulder of the cylinder/cistern unit, draw the electrical harness to the control panel and lighting points through the holes, and attach the

SERVICE UNIT 43

CONTINUED

draw-wires already in place in K.E.10 and K.F.10. Offer up K.L.10, register the notches in the frame with the wiring, re-fix the asbestos sheet to the back, and screw into the reassembled partition from the cylinder/cistern unit.

Note that K.E.10, K.F.10, K.L.10 are set back $\frac{1}{8}$ " from the kitchen face of the pipe-duct unit.

At this point, or as soon after as convenient, the electrician should fix the control panel (see separate Manual).

Fix the plate-rack V.C.10, the loose panel 6/85 to cover the unused duct opening, and the cappings and cover fillets 6/62, K.G.11, K.H.12, K.H.13, K.E.14, K.J.19, K.J.20, where shown, scribing as necessary to meet the steel cover technique (see 47-51).

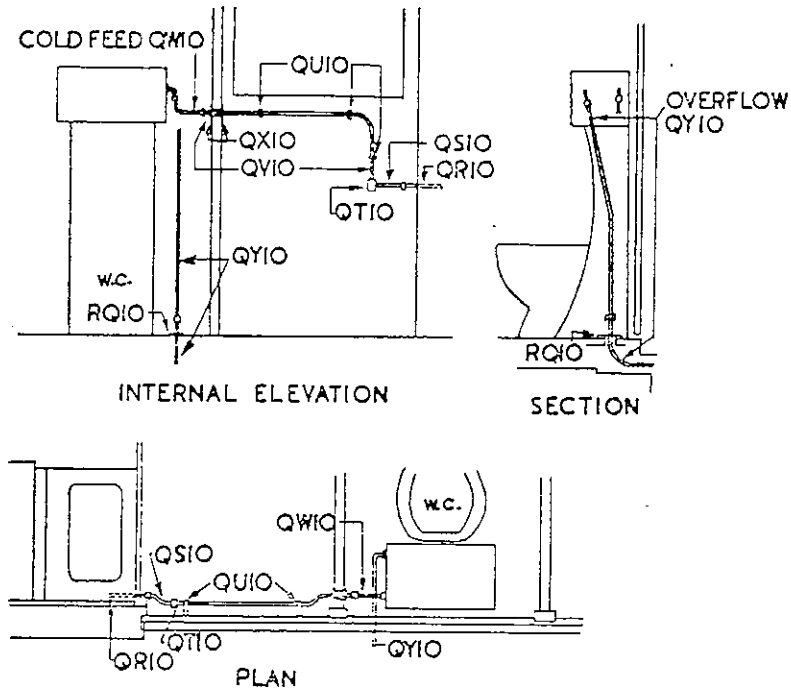
Fix in final position the ply end 6/63 and screw through into it from the vegetable cupboard K.H.10 and the partition K.L.10.

Place in position the wash-boiler, W.A.10 (gas) or W.B.10 (electric) complete.

Note that in Scotland partition K.T.10 will be supplied instead of K.L.10, capping K.Y.11 instead of K.C.11, and fillets K.X.12, K.X.13, K.X.14, K.W.22, K.W.23, K.W.24, K.W.25 in place of K.H.12, K.H.13, K.H.14, K.J.19, K.J.20.

ARCON
MARK V

SERVICE UNIT 44



SERVICE UNIT - FEED AND OVERFLOW TO W.W.P.

Note that before this work is done the W.C. suite and partition 6/17 must be in place.

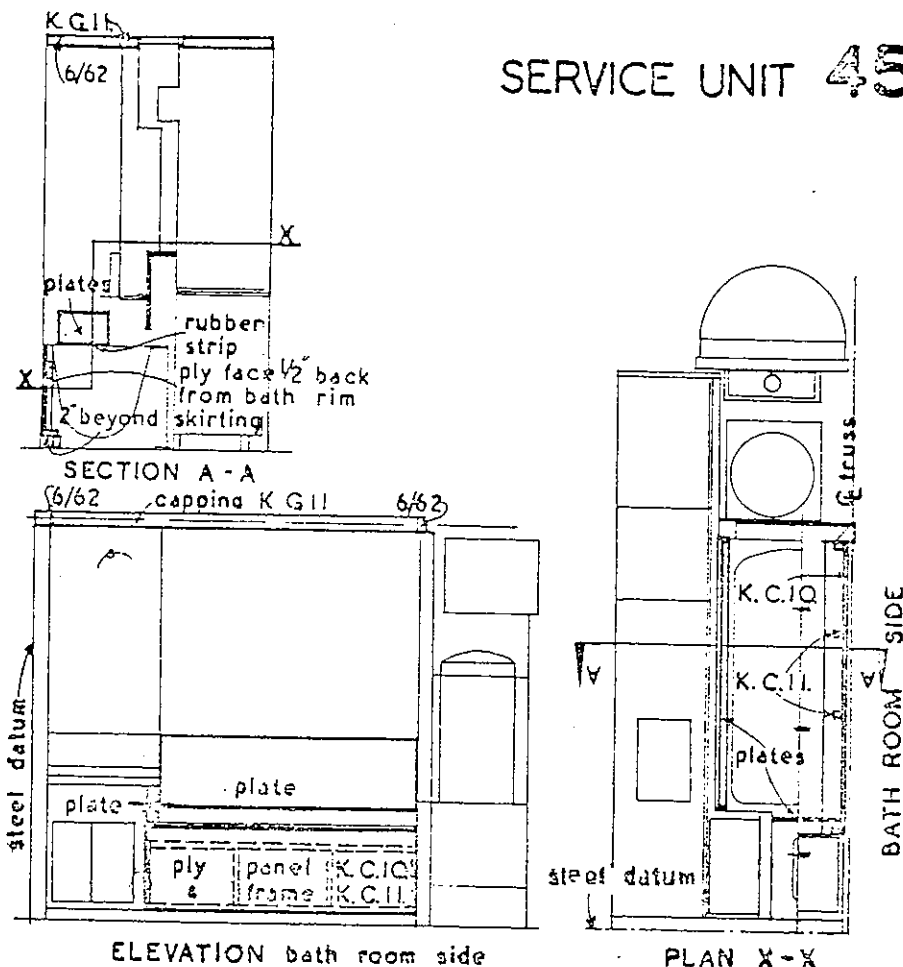
Continue the W.W.P. feed from Q.R.10 already fixed (see 41) with the tubes, draincock, coverplates and unions shown, supported by the brackets fixed beneath the bathroom window, connect to the W.W.P. and screw the cover plates each side of the partition.

Connect the coupling of the overflow Q.Y.10 to the W.W.P., slip the $\frac{1}{4}$ " coverplate R.Q.10 over the tail, complete the connections, and screw coverplate to the floor.

Complete the grouting to the base adjoining the overflow and waste pipes.

ARCON
MARK V

SERVICE UNIT 45



SERVICE UNIT - WATER TEST, COVER PLATES AND BATH PANEL

Open stop cocks, fill up the plumbing, close all taps and check that joints are watertight and ball-valves close under pressure; make good defects. Light fire and note time taken for the cylinder to heat. Open hot water taps in the following order, checking that flow and temperature of water are satisfactory:- (1) Kitchen; (2) Bath; (3) Lavatory basin. When hot water circulation has been obtained, re-check that joints are watertight. Refix the detachable sheet-metal plate at the back of the bath.

Refix the detachable sheet-metal plate at the foot of the bath, adjusting the rubber strip, or making good the mastic joint, as before described.

Screw the bath front frame K.C.11 to the skirting at base and K.B.10 and K.D.10 at ends; screw the ply sheet K.C.10 to the frame with chromium plated screws.

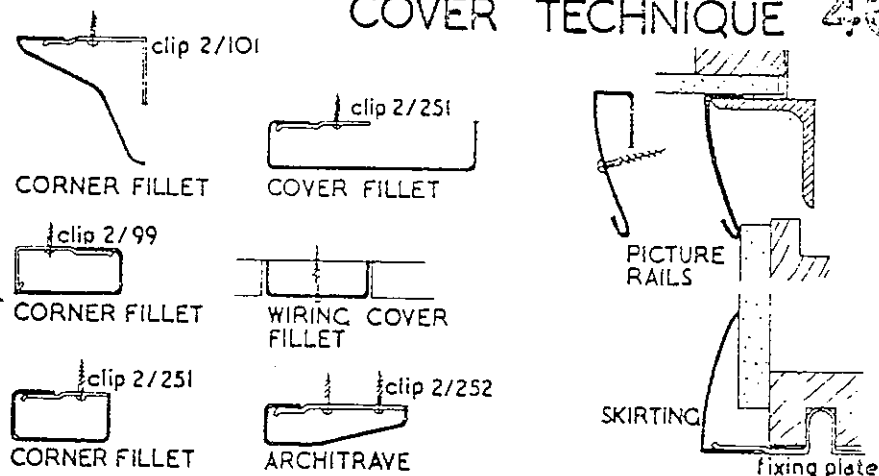
Fix the cappings 6/62, K.G.11, where shown, scribing as necessary at junctions with metal cover technique (see 47 to 51).

Note that in Scotland capping K.Y.11 will replace K.G.11.

END OF PART III

ARCON
MARK V

COVER TECHNIQUE 46



COVER TECHNIQUE - GENERAL APPLICATION

The order of fixing is set out in the following operations 47 to 51 and the detail drawings above are of general application.

Fixing Clips. Three of these are provided to secure each vertical cover and are screwed to the wall-linings or partitions (facing away from the corner or the opening) at standard heights of 3", 3'5", 6'7" from the floor to the bottom of the clips.

Vertical Covers. These occur at all wall intersections and openings; they are secured by sliding the fixing flange upon the back of each cover into the fixing clips and screwing through the holes provided in the cover into the wall-lining or partition, having adjusted the cover so that its bottom edge is 2½" above the floor.

Skirtings. These are fixed by sliding their projecting bottom flanges beneath the floor-fixing plates or the partitions and wall-linings, and are adjusted centrally between the vertical covers at each end.

Picture Rails. These are similarly positioned, and held in place by inserting their projecting top flanges between the ceiling panels and the supporting steelwork; the notches in these flanges are provided to avoid fouling the ceiling panel bearing shoes.

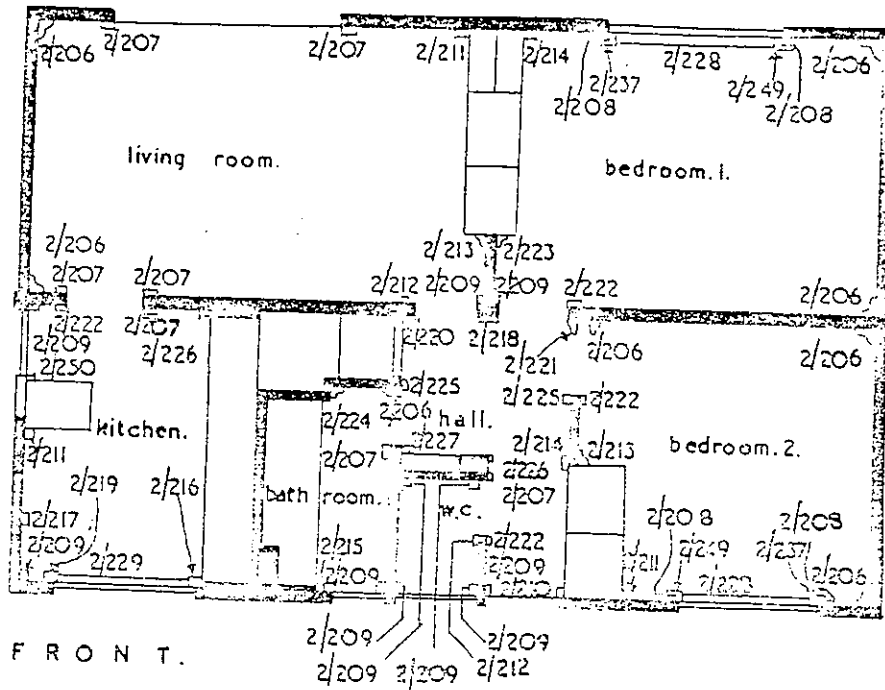
Junctions. All junctions between covers are made by means of pressings which lap the covers by ½" nominal in each direction. Offer up the pressings, mark through the screw-holes provided, drill the covers to receive the Parker-Kalon 6Z round-headed screws provided, and finally insert the screws through both pressings and covers.

There are a few variations from the standard fixing methods described above, principally in connection with the low ceiling in the hall; these will be described in detail as they occur.

Provided that, in any one room the pressings are fixed after all the other covers, fixing can proceed simultaneously in all rooms, but care must be taken to ensure that all covers which have the electrical harness running behind them are fixed in co-operation with, and to the approval of, the electricians.

ARCON
MARK V

COVER TECHNIQUE 47



COVER TECHNIQUE - VERTICAL COVERS AND WINDOW TRIM

The list on the following pages gives the vertical covers and fixing clips room by room, all fixed as described.

ARCON
MARK V

VERTICAL COVERS & WINDOW TRIM

47

CONTINUED

COVER		CLIPS			REMARKS
Mk.	Ht. above floor	Mk. (3 off)	Ht. above floor	Screwed to	
LIVING ROOM					
2/206	Standard	2/101	Standard	End wall Spine Ptn.	Corner of room.
"	"	"	"	"	"
2/207	"	2/251	"	Wall	Each side of window : cover finishes $\frac{1}{8}$ " clear of jambs.
"	"	"	"	"	"
2/207	"	"	"	Spine Ptn.	Each side of door (to kitchen) : clips screwed $\frac{3}{4}$ " clear of jambs.
"	"	"	"	"	"
2/209	"	2/104	"	Ptn. 6/16	Corner of room.
2/211	"	—	—	—	Corner of room by cupboards, direct screwed to wall.
2/212	"	2/251	Standard	Spine Ptn.	Clips $\frac{3}{4}$ " clear of door jamb.
2/213	"	2/101	"	Ptn. 6/16	Adjoining cupboards.
BED ROOM 1					
2/206	Standard	2/101	Standard	End wall Spine Ptn.	Corner of room.
"	"	"	"	"	"
2/208	—	—	—	—	Each side of window, direct screwed $\frac{1}{8}$ " clear of jambs.
"	—	—	—	—	"
2/209	Standard	2/104	Standard	Ptn. 6/16	Corner of room.
2/214	"	—	—	—	Corner of room by cupboards, direct screwed to wall.
"	"	—	—	—	"
2/222	"	2/251	Standard	Spine Ptn.	Clips $\frac{3}{4}$ " clear of door jamb.
2/223	"	2/101	"	Ptn. 6/16	Adjoining cupboards.
2/228	—	—	—	—	Direct screwed horizontally $\frac{1}{8}$ " below cill.
2/237	—	—	—	—	Pressings, junctions of 2/208 with 2/228; fixed by Parker Kalon screws.
2/249	—	—	—	—	"
BED ROOM 2					
2/206	Standard	2/101	Standard	End wall Spine Ptn.	Corner of room.
"	"	"	"	"	"
"	"	"	"	Ptn. 6/22	"
2/208	—	—	—	—	Each side of window direct screwed $\frac{1}{8}$ " clear of jambs.
"	—	—	—	—	"
2/211	Standard	—	—	—	Corner of room, direct screwed to wall.
2/213	"	2/101	Standard	Ptn. 6/22	Adjoining cupboards.
2/222	"	2/252	"	"	Clips $\frac{3}{4}$ " clear of door jamb.
2/228	—	—	—	—	Direct screwed horizontally $\frac{1}{8}$ " below cill.
2/237	—	—	—	—	Pressings, junctions of 2/208 with 2/228; fixed by Parker Kalon screws.
2/249	—	—	—	—	"
KITCHEN					
2/229	—	—	—	—	Flat bar, direct screwed $\frac{1}{8}$ " below window cill to be fixed before 2/216 and 2/219.
2/207	Standard	2/251	Standard	Spine ptn.	Clips $\frac{3}{4}$ " clear of door jamb.
2/209	"	2/99	"	"	By back door.
2/209	"	"	"	End wall.	Corner of room.

continued on next page.

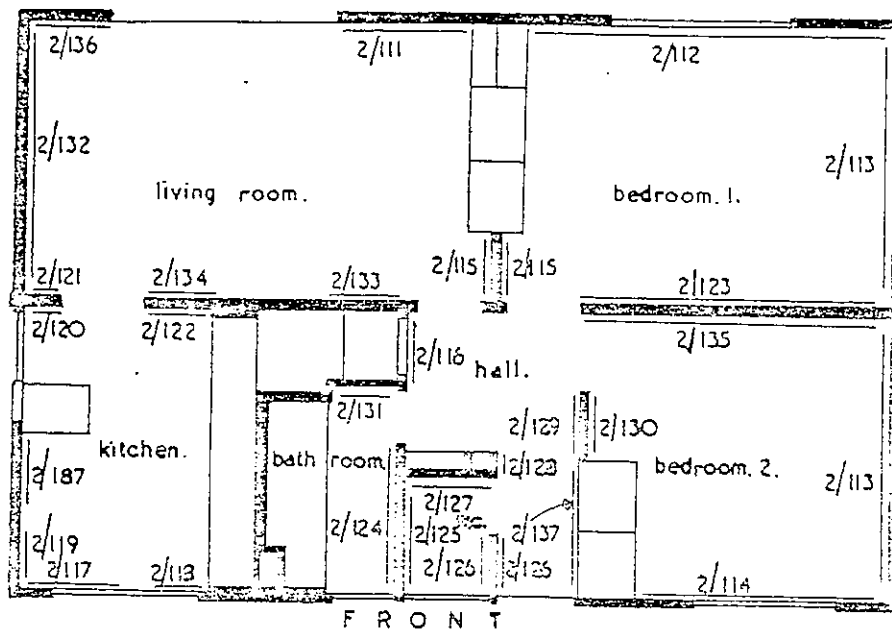
VERTICAL COVERS & WINDOW TRIM

47

CONTINUED

COVER		CLIPS			REMARKS
Mk.	Ht. above floor	Mk. (3 off)	Ht. above floor	Screwed to	
KITCHEN (contd.)					
2/211	Standard	—	—	—	Adjoining larder, direct screwed to wall.
2/216	..	2/102	Standard	Wall	Between window and service unit, clips face towards window.
2/217	—	2/251	—	End wall	Drop from picture rail to ironing point, fixed centrally on wall-lining 6/53; two clips only.
2/219	Standard	2/102	Standard	Wall	Cover $\frac{1}{8}$ " clear of window jamb.
2/222	..	2/251	..	Spine Ptn.	Clips $\frac{3}{4}$ " clear of door jamb.
2/226	..	2/102	..	..	Adjoining service unit.
2/250	0 inches	2/99	..	End wall.	Between larder and back door.
BATH ROOM					
2/206	Standard	2/101	Standard	Ptn. 6/18	Corner of room by door.
2/207	..	2/251	..	..	Clips $\frac{3}{4}$ " clear of door jamb.
2/209	..	2/99	..	Ptn. 6/17	By window.
2/215	0 inches	2/102	..	Wall	Between window and service unit.
2/224	..	2/101	..	Ptn. 6/16	Adjoining service unit bath shelving K.B.10
W.C.					
2/209	Standard	2/99	Standard	Cup'd. 6/20	Corner by hall cupboard.
"	"	"	"	"	"
2/209	..	"	..	Ptn. 6/17	Corners by window.
"	"	"	"	Ptn. 6/21	"
2/212	..	2/252	..	"	Clips $\frac{3}{4}$ " clear of door jamb.
HALL					
2/207	Standard	2/252	Standard	Ptn. 6/21	Clips $\frac{3}{4}$ " clear of W.C. door jamb.
2/209	..	2/99	..	"	By front door.
2/210	..	"	..	Cup'd.	"
2/214	..	—	—	—	Cover direct screwed over joint btn. ptn. 6/22 and cupboard.
2/218	0 inches	2/251	Standard	Ptn. 6/1	Cover central btn. L.R. and B.R.I. doors.
2/220	Standard	2/101	..	Ptn. 6/18	Corner by airing cupboard.
2/221	0 inches	..	..	Ptn. 6/1	Corner by B.R.2 door.
2/222	Standard	2/252	..	Ptn. 6/21	Symmetrical with 2/207 about W.C. door.
2/225	..	2/251	..	Ptn. 6/18	Clips $\frac{3}{4}$ " clear of bath room door jamb.
"	..	2/252	..	Ptn. 6/22	Clips $\frac{3}{4}$ " clear of B.R.2 door jamb.
2/226	..	2/102	..	Ptn. 6/21	To finish flush with end of 6/21.
2/227	..	2/99	..	Ptn. 6/18	Corner btn. ptn. 6/18 and cup'd. 6/20.

COVER TECHNIQUE 48

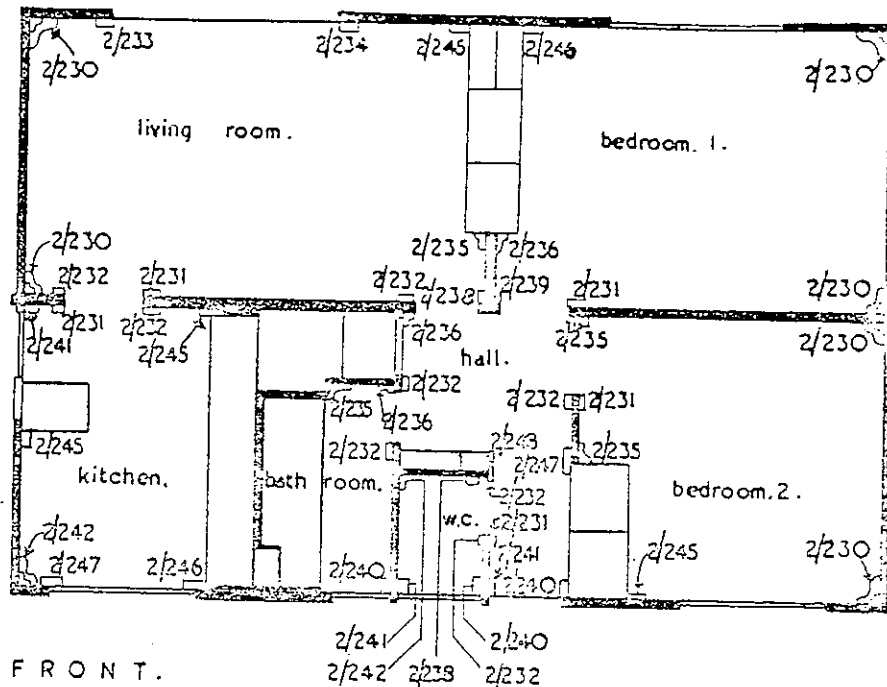


COVER TECHNIQUE - SKIRTINGS

Fix the skirtings where shown and as described previously. (46).

ARCON
MARK V

COVER TECHNIQUE 49

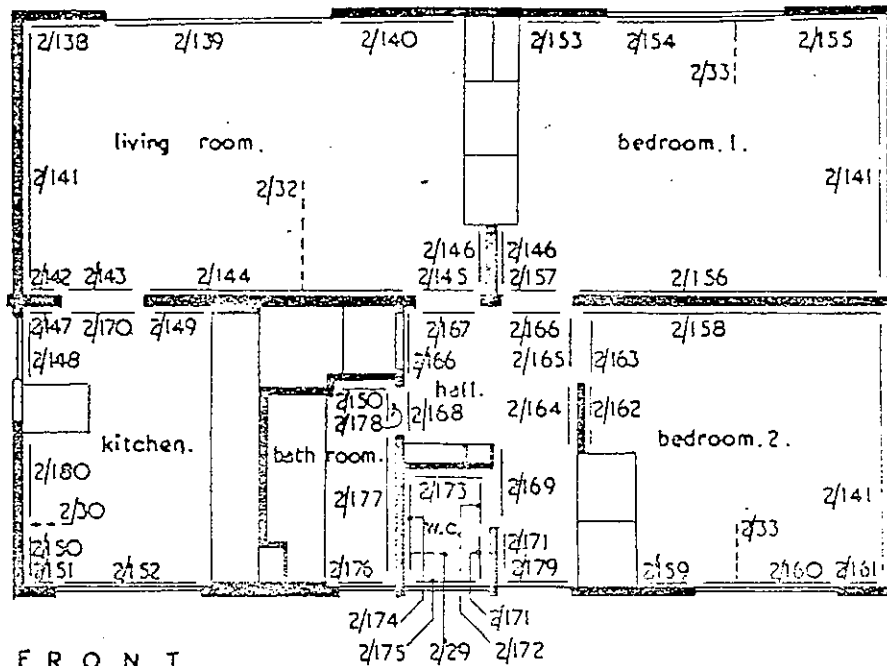


COVER TECHNIQUE - BOTTOM PRESSINGS

Fix the bottom pressings where shown and as described previously (46).

ARCON
MARK V

COVER TECHNIQUE 50



COVER TECHNIQUE - PICTURE RAILS AND CEILING WIRING COVERS

Insert the picture rails throughout the house as directed previously (45).

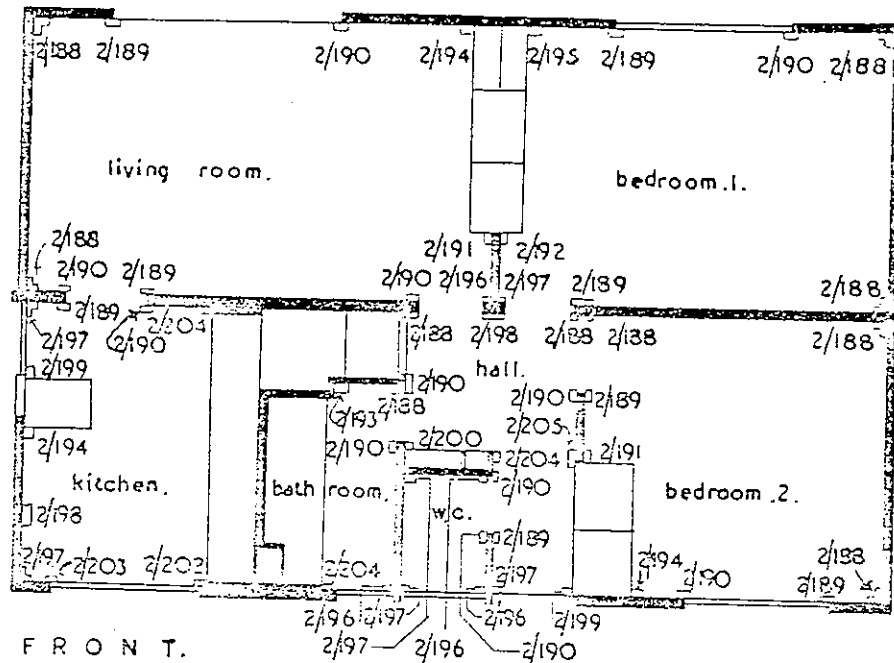
Note that the picture rails listed below are not fixed by the standard method, but by screwing through the holes provided in them into the partition faces:-

2/146.	Living Room,	2/166	Hall (beneath low ceiling)
2/146.	Bed Room 1,	2/166	" " " "
2/164.	Hall (beneath	2/167	" " " "
	low ceiling),		
2/165.	Hall (beneath	2/163	" " " "
	low ceiling),		

Fix the ceiling wiring covers where shown, by screwing upwards through the holes formed in the faces of the covers: the cover lies within the chase formed upon the panel face and with one end inserted into the slot made to receive it in the picture-rail.

ARCON
MARK V

COVER TECHNIQUE 51



COVER TECHNIQUE - TOP PRESSINGS, LIVING ROOM MANTELSHLF
AND PELMET BOARDS

Fix the top pressings where shown and as described previously (46).

Take the mantelshef 6/38 and fix by screwing through the two brackets attached into partition unit 6/76, centrally with and immediately above the living-room fireplace surround.

Take the S-type Rawlanchors provided and insert one of the nuts (threaded part upwards) into each of the holes drilled in the soffit of the living-room window-head, by means of first screwing on to the tool provided, compressing by the tool, and then unscrewing the tool socket from the nut; thus leaving the split hexagonal collar firmly fixed in the hole.

Take the pelmet board 6/101 and the screws and washers of the Rawlanchors and screw up into the nuts. Similarly fix 6/102 (three off) in Bed Rooms 1 and 2 and Kitchens, 6/103 in the Bath Room, and 6/104 in the W.C.

ARCON
MARK V

COVER TECHNIQUE 52

COVER TECHNIQUE - IRONMONGERY, SHED, ETC.

Note that at this stage the Electrical Contractor will fix the Switches, Socket Outlets, etc.

Fix the Builders' Ironmongery as set out in the Component Schedule with the screws supplied (all direct M.O.W. supplies).

Erect the Shed, fix the M.H. cover(s) (M.A.10) and frame(s) (M.B.10), position the dustbin (H.A.10) and lid (H.B.10), position the coal bunker (H.E.10): all these are direct M.O.W. supplies and are to be dealt with in accordance with M.O.W. Specifications or other instructions.

Generally fill and stop throughout the house, cover all joints between wall, partition, and ceiling panels throughout with anaglypta cover-strip 3/26, cover joints between M.O.W. cupboards with fillets C.H.10 cut to length, and prepare for decoration in accordance with M.O.W. Specification.

END OF PART IV

ARCON
MARK V

PAINTING 53

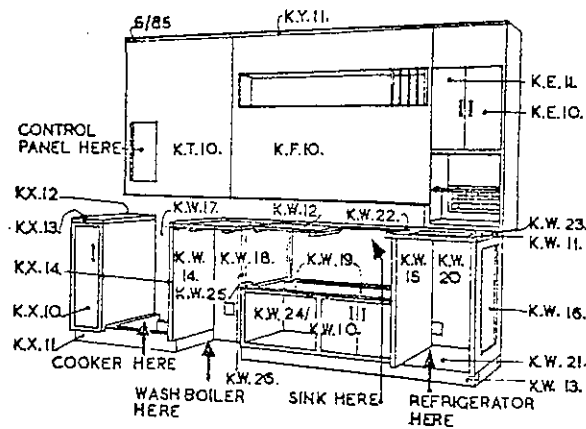
PAINTING - EXTERIOR AND INTERIOR PAINTING

Paint throughout in accordance with M.O.W. Specification.
On completion clean down inside and outside, polish all
glazing, clean off all ironmongery, and leave the house through-
out ready for furnishing and occupation.
The Electrical Contractor will be responsible for
connecting up to the Supply Authority's meter and for testing and
making good to their satisfaction.

END OF PART V

ARCON
MARK V

SCOTTISH SERVICE UNIT A



VIEW OF KITCHEN SIDE

ADDENDUM A (to be read in conjunction with 33 to 45) -
SCOTTISH SERVICE UNIT

The Service Unit supplied in Scotland differs in detail from that used in England and the drawing shows the principal variations in the joinery components. These variations are noted in the descriptions of the operations affected by them and the general order of erection remains unaffected.

ARCON
MARK V

ARCON MARK V

ELECTRICAL INSTALLATION MANUAL

CONTENTS.	PAGE.
Schedule of label symbols for harness	1
Schedule of materials and equipment	2
General specification of installation	3
Detailed operations -	
1. Placing harness in position	4
2. Fixing conduit assembly for immersion heater and thermostat.	5
3. Earthing and bonding	5
4. Connecting of electrical apparatus	6
5. Fixing of architrave switches, socket outlets, batten holders and brackets	6
6. Testing	7

PLATES.	FIGURE.
Isometric diagram of harness	1
Plan diagram of harness and isometric diagram of cable adjoining convector shroud	2
Typical positions of cables in cover technique	3
Typical positions of cables in cover technique	4
Connection from pipe duct unit to control panel)	
Conduit assembly for immersion heater and thermostat)	5
Connections to control panel:-	
D.P. Fusing - all electric	6
D.P. Fusing - part electric	7
S.P. Fusing - all electric	8
S.P. Fusing - part electric	9
Earthing and Bonding	10

SCHEDULE OF LABEL SYMBOLS FOR HARNESS

Page 1.

LIGHTING

- L1 Entrance Hall lighting bracket point
- L2 W.C. lighting pendant point
- L3 Bathroom lighting bracket point
- L4 Kitchen lighting bracket point
- L5 Kitchen lighting pendant point
- L6 Living-room lighting pendant point
- L7 Bedroom No.1 lighting pendant point
- L8 Bedroom No.2 lighting pendant point

LIGHTING SWITCHES

- Sw1 Entrance Hall lighting point architrave switch
- Sw2 W.C. Lighting point architrave switch
- Sw3 Bathroom lighting point ceiling switch
- Sw4 Kitchen bracket lighting point switch
(included in kitchen control unit)
- Sw5 Kitchen pendant lighting point architrave switch
- Sw6 Living-room lighting point architrave switch
- Sw7 Bedroom No.1 lighting point architrave switch
- Sw8 Bedroom No.2 lighting point architrave switch
- SO1 Socket outlet incorporated in kitchen control unit
- SO2 Kitchen socket outlet complete with switch
- SO3 Living-room socket outlet on external wall
- SO4 Living-room socket outlet on spine wall
- SO5 Bedroom No.1 socket outlet
- SO6 Bedroom No.2 socket outlet

CONNECTIONS AT METER CUPBOARDS

SCM Supply Company's mains

CONNECTIONS AT KITCHEN CONTROL UNIT

- M.S. Main switch
- SC1 Socket outlet Circuit No.1
- SC2 Socket outlet Circuit No.2
- LC Lighting circuit
- NB Neutral bar

ARCON
MARK V

The following materials and equipment will be received by the Electrical Installation Contractor from the Managing Contractors:-

1. A box or carton containing the following kit:-
 - 1 complete wiring harness
 - 1 conduit and cable assembly for immersion heater and thermostat
 - 6 architrave switches mounted on special cover plates
 - 1 ceiling switch
 - 4 3-pin shuttered sockets, including plug tops, mounted on special cover plates
 - 1 flush type switch and socket, including plug top, mounted on special cover plate
 - 5 batten holders, one with skirt
 - 3 wall brackets complete with lampholders, two with skirts, one with shade carrier ring.
 - 1 set of fixings including clips, pins, screws, nuts, washers, etc.
 - 1 coil of earthing conductor 7/.044, fitted one end with a Ross Courtney terminal and other end with adjustable earth clip
 - 1 coil of bonding conductor 7/.029
 - 1 set of earthing clips
 - 1 erection manual

(Where the installation is connected to a direct current supply, this kit will be varied as follows:-

- (a) The six architrave switches will be suitable for D.C. operation.
- (b) The four three-pin sockets will be combined with switches on the same cover plate).

AND

2. Kitchen control unit.
3. Set of Pyrotenax cables, junction box, sockets in iron boxes with plug tops, incorporated in the plumbing unit and including:-
 - All electrical houses -
 - Cable for cooker connected to junction box.
 - Cable for wash-boiler connected to 15-ampere socket.
 - Cable for refrigerator connected to 2 or 5-ampere socket.
 - Part electric houses -
 - Cable for refrigerator only connected to 2 or 5-ampere socket.
4. Electric cooker complete with T.R.S. cable.
Wash-boiler complete with T.R.S. cable.
Refrigerator complete with T.R.S. cable.
All or any of the above apparatus according to the requirements of the Local Authority.
5. An immersion heater for the hot water cylinder and a thermostat. (These will be provided for every house. They will be fixed in position by the plumbing contractor and connected by the Electrical Installation Contractor).

DELIVERIES. Take delivery of materials supplied by Managing Contractors.

INSTALLATION. Install wiring and accessories to suit building progress in accordance with the following paragraphs:

Arrangements will be made under a separate contract for the Supply Authority to bring their service cable into the position marked on plan, terminating in their fuse and meter.

The work to be done by the Electrical Installation Contractor shall commence at the terminals of the submain cable, which will be connected by the Supply Authority into their meter.

The Electrical Installation Contractor shall be responsible for the complete electrical installation from this point onwards, including fixing into position, installation, connecting, and testing of all apparatus, wiring and equipment supplied.

Lamps and shades will not be included under this contract.

WIRING. The whole of the wiring system will be harnessed and shall be enclosed in pre-arranged wiring paths made accessible by means of a special cover technique, the covers comprising picture rails, architraves, skirtings, corner fillets and junction pressings.

The several parts of the cover technique in each room are automatically bonded in the course of fixing, but it will be the responsibility of the electrical installation contractor to ensure that such automatic bonding is effective, and he is required to make all necessary adjustments to give a satisfactory test result.

The harness shall be placed into position and fixed by the necessary clips when building operations have proceeded sufficiently far to allow this to be done, but before the builder is ready to place the cover strips in position.

When the builder is ready to fit the cover technique, a bonding conductor shall then be installed.

When the cover strips are being fixed into position, it shall be the responsibility of the Electrical Installation Contractor to see that the wiring is not damaged, and the earthing conductor not disconnected, and it will be necessary for him to arrange that the ends of the wiring are taken through the slots left in the cover strip at the outlet positions ready for connection.

After the cover technique is completed, the switches, sockets, batten holders and brackets shall be connected to the terminal ends of the wiring. The switches and sockets will arrive on site complete with specially formed cover plates to which they will already be fixed. The wiring shall be connected to the switches and sockets and the assemblies then screwed on to the cover strip with the screws provided.

The batten holders and brackets shall be fixed direct into position by means of the screws provided.

1. Placing Harness in Position, and Fixing and Connecting Control Panel.

Components: Coiled cable harness
Cable clips (large)
Cable clips (small)
Control panel

INSTRUCTIONS. (See Figs. 1 and 2).

Uncoil cable harness and lay main section in position on the top of spine wall, living-room side, ensuring that the division point into branches for SO6, SO5, L7 and L8, is at the bedroom end of the house.

Pass the tails for points in Kitchen, Bathroom, W.C. Hall, Bedroom No.2, and the main cables through the spine wall.

Lay cable across false ceiling to S.C.M. (Meter Cupboard) and also for Sw3 and L2.

Lay cable across false ceiling for Sw1 and Sw2, and pull Sw2 into position over partition.

Pass the control panel cables from spine wall to space at back of control panel as shown on Fig.2.

Draw cables through to points L3 and L4, using draw wires if necessary.

Care must be taken to ensure that, where cable passes from the spine wall into ceiling wiring channel, the cables are passed through the eyeletted holes provided in the steel ceiling tees. This also applies to cables passing into ceiling channels from external wall linings.

Take from the container small cable clips and clip harness into position on ceiling panels by fixing clips into ceiling wiring channels at positions marked in red.

Take from the container three large cable clips and fix the vertical cable drop from top of spine wall to Sw6, fixing the clips at the positions marked. Fix remainder of vertical drop from Sw6 to SO4 with small cable clips.

Fix the other vertical cable drops by means of small cable clips in marked positions.

Clip all skirting level horizontal cables back to wall linings with small cable clips in marked positions.

Clip sub-main cable in position on inside of meter cupboard, using large cable clips in marked positions. (Connection to meter will be made by Supply Authority).

For typical details of cable pathways see Figs. 3 and 4.

Fix and connect control panel, including connection of Pyrotenax cables from the pipe frame, (which have been previously tied in an accessible position, see Fig. 5) and tails from harness, to the appropriate terminals on the control panel, in accordance with wiring diagram of panel, using whichever diagram applies from the following:

D.P. Fusing - All Electric,	Fig.6.
D.P. Fusing - Part Electric,	Fig.7.
S.P. Fusing - All Electric,	Fig.8.
S.P. Fusing - Part Electric,	Fig.9.

2. Fixing Conduit Assembly for Immersion Heater and Thermostat.

Components: Conduit and wiring assembly complete with two saddles and four $\frac{1}{2}$ " long Whit. Screws.
Note - For transport purposes, the conduit assembly may be sub-divided and allowance must be made for any re-assembly necessary on site.

INSTRUCTIONS.

Take conduit assembly from container and remove ring bush and outer lock-nut.

Place conduit in position shown on Fig. 5 and fix to back of control panel casing by lock-nut, and ring bush.

Take the two saddles and $\frac{1}{2}$ " screws and attach twin section of conduit to metal flat on airing cupboard side of cylinder/cistern unit, screwing into tapped holes provided, ensuring that the ends of the conduit are adjacent to the thermostat and heater terminals.

Make cable connection to the thermostat, heater and control panel and fit earth clip.

3. Earthing and Bonding.

Components: Coil of earthing conductor 7/.044
Coil of bonding conductor 7/.029
Screws, nuts and washers.
Earthing clips.

INSTRUCTIONS.

Instal two main 7/.029 bonding conductors; the first to bond the sockets in the kitchen and living-room near the window and the second to bond the following:-

- Bathroom cover technique
- Socket by fireplace in living-room
- Hall cover technique
- Sockets in two bedrooms

At each socket position connect the conductor to the earth terminal of the socket and thence to its metal cover plate by means of one of the screws and nuts which secure the socket to the metal cover plate; and thence again to the adjacent length of cover technique and similarly secure by a screw and nut.

Secure the conductor by a screw and nut at the positions at which it is connected direct to the cover technique (i.e. in the hall and bathroom).

In no circumstances must the bonding conductor be cut in the course of its run.

Instal a further 7/.029 bonding conductor from the cover technique in the corner of the W.C. to the cover technique in the corner of the bathroom, and thence to the top of the window frame and connect at each point by means of a bolt and nut.

Run a 7/.044 earthing conductor from the electrical control panel to the following positions:-

- (a) Cold water pipe feeding bathroom taps.
- (b) Hot water pipe feeding bathroom taps.
- (c) Main incoming cold water pipe.
- (d) The leg of the bath.

Connect the conductors to the pipes by means of the earth clips provided. Connect to one of the screw feet of the bath, using the two $\frac{3}{8}$ " brass washers provided.

At the electrical control panel, terminate all bonding conductors in the Ross Courtney terminals provided and connect to the terminal provided on the electrical control panel.

4. Connecting of Electrical Apparatus.

Components: Cooker
Wash boiler
Refrigerator
T.R.S. cable connections

INSTRUCTIONS.

When an electric cooker is provided, T.R.S. cable supplied with the cooker shall be connected to the junction box on the pipe frame.

When an electric wash-boiler is provided, T.R.S. cable supplied with the wash-boiler shall be connected to the 15-ampere plug top.

When an electric refrigerator is provided, T.R.S. cable supplied with the refrigerator shall be connected to the two or five-ampere plug top.

Care shall be taken that the earth pin or earth terminal is effectively connected in all cases.

5. Fixing of Architrave Switches, Socket Outlets, Batten Holders and Brackets.

Components: 5 architrave switches attached to cover plates (A.C. or D.C.).
1 ceiling switch.
4 3-pin 5-ampere shuttered socket outlets attached to cover plates (switch sockets when D.C.).
1 cover plate with socket outlet and flush tumbler switch attached (ironing socket).
4 batten holders with shade carrier rings.
1 batten holder with Home Office skirt.
2 right angle wall brackets complete with lampholders and Home Office skirts.
1 right angle wall bracket complete with lampholder and shade carrier ring.
12 P.K. sheet metal screws, raised heads.
10 1 1/2" No.6 round head wood screws for fixing metal cover plate for socket outlets.
18 1 1/2" No.6 round head wood screws for ceiling switch, batten holders and brackets.

INSTRUCTIONS.

Take from container six architrave switch assemblies and 12 P.K. screws. Connect up and fix into position on architraves by means of the screws, which will obtain a fixing on special nuts pre-fixed to architraves.

Take the four socket outlet assemblies (switch sockets if D.C.) and eight round head wood screws, connect up and fix into positions on skirtings by means of the screws.

Take tumbler switch and socket outlet assembly (ironing socket) and two round head screws, connect up and fix into position by means of the screws.

Take the four batten holders with the shade carrier rings and eight round head wood screws, connect up and screw into

positions marked on the ceiling panels at points L5, L6, L7 and L8.

Take the ceiling batten holder with H.O. Skirt and two round head wood screws and connect up and fix in W.C. on point L2.

Take the two right angle wall brackets with H.O. skirts and four round head wood screws and connect up and fix at points L3 and L4.

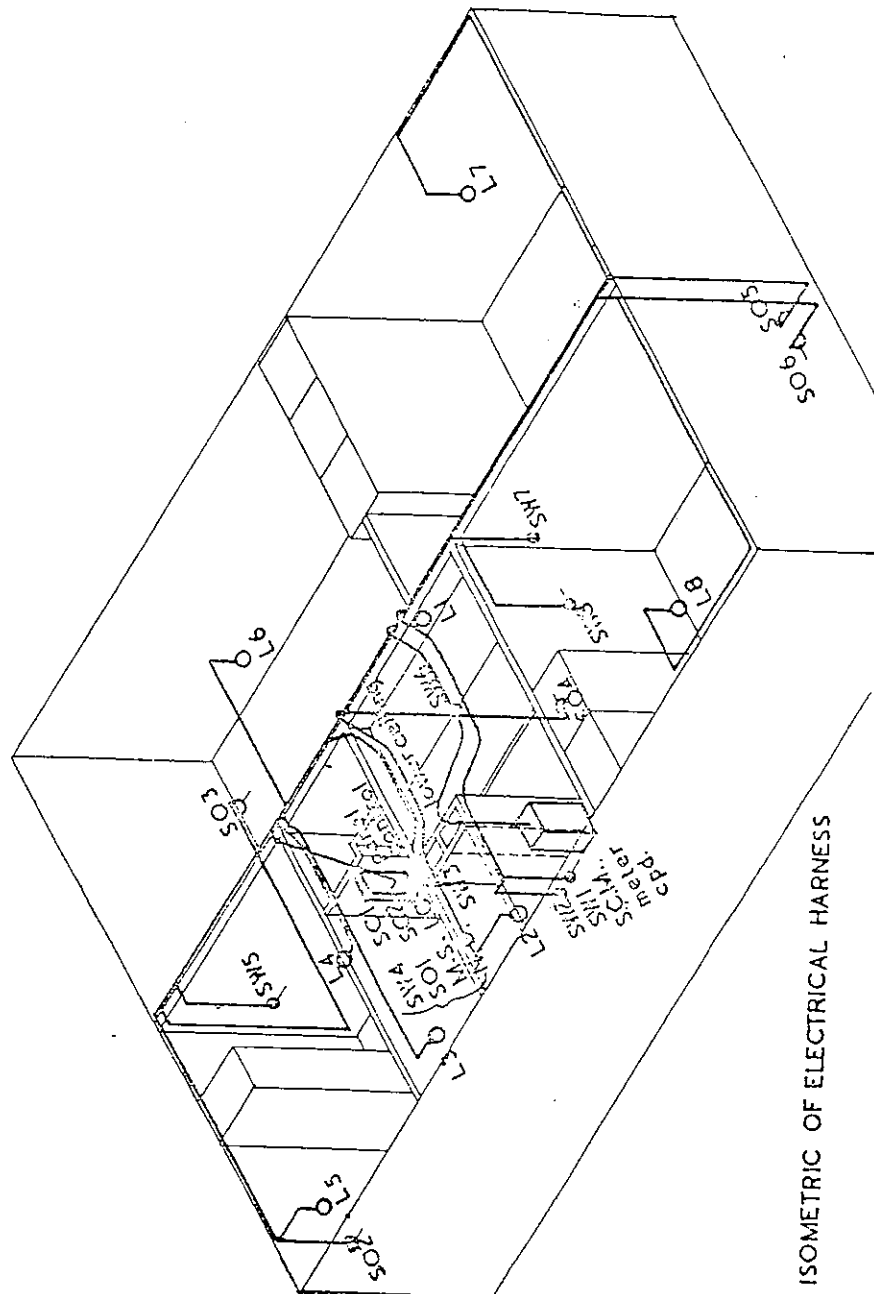
Take the right angle wall bracket with shade carrier ring and two round head wood screws and connect up and fix at point L1.

Take the ceiling pull switch and two round head screws and connect up and fix in bathroom at Sw3 position.

6. Testing.

On completion of the installation, insulation resistance and earth continuity tests shall be taken in accordance with I.E.E. Regulations. Copies of test reports shall be available within seven days of completion of each installation in each house, for the Ministry of Works Supervising Engineer.

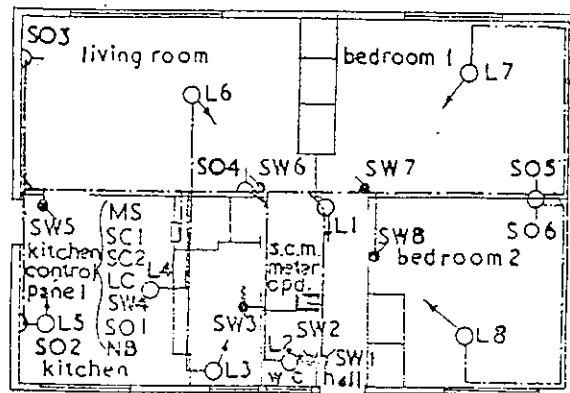
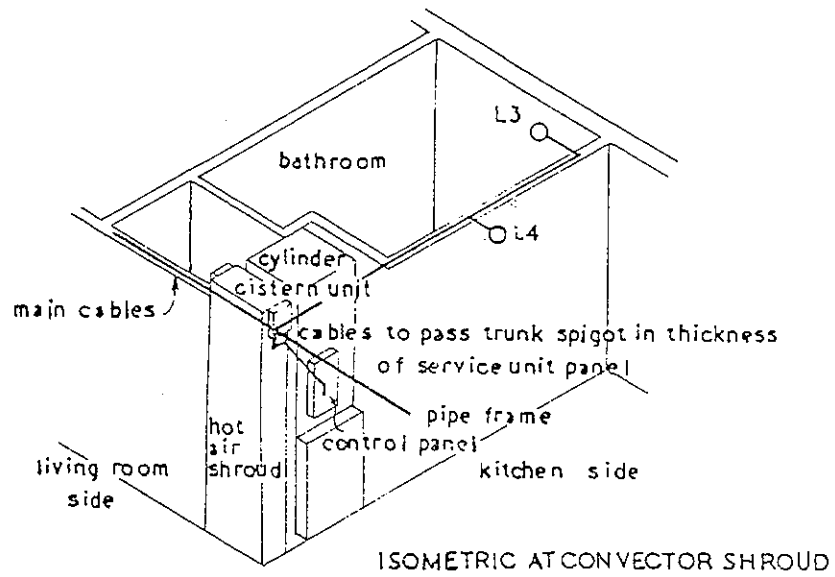
ELECTRICAL HARNESS FIG 1



ISOMETRIC OF ELECTRICAL HARNESS

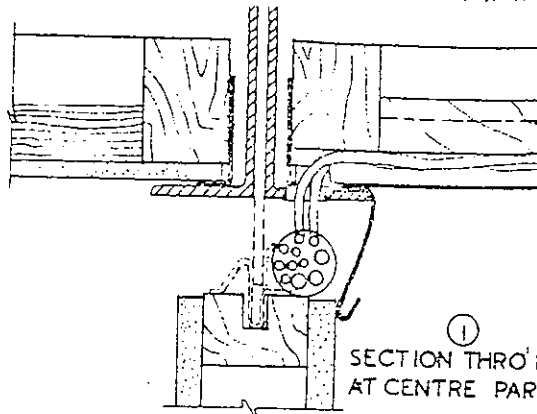
ARCON
MARK Y

ELECTRICAL HARNESS FIG. 2

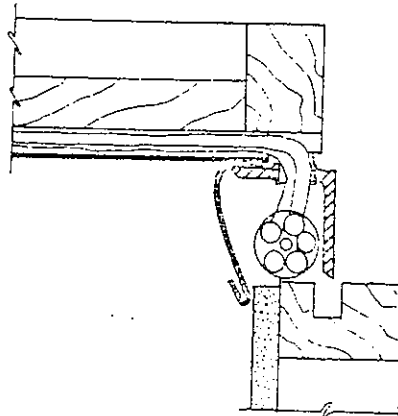


ARCON
MARK V

ELECTRICAL HARNESS FIG. 3

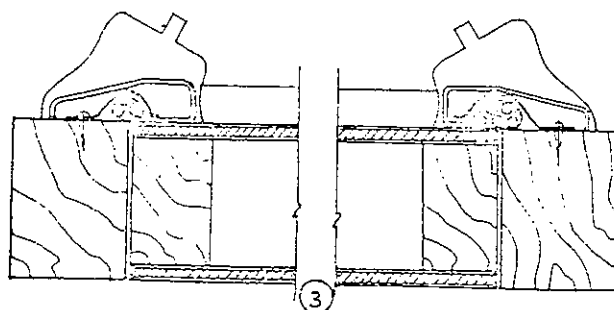


① SECTION THRO' PICTURE RAIL AT CENTRE PARTITION.



FS. DETAILS OF TYPICAL POSITIONS OF HARNESS IN COVER TECHNIQUE.

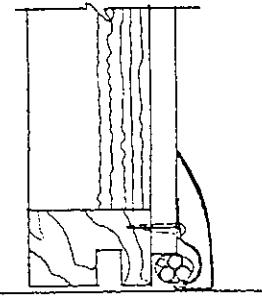
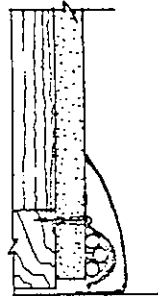
② SECTION THRO' PICTURE RAIL AT EXTERNAL WALL LINING.



③ PLANS THRO DOOR ARCHITRAVES

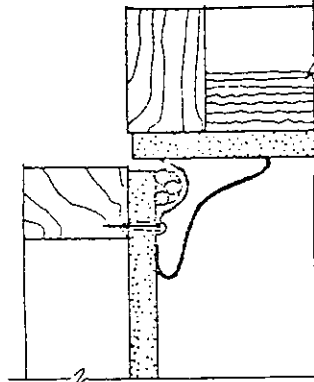
ARCON
MARK V

ELECTRICAL HARNESS FIG. 4



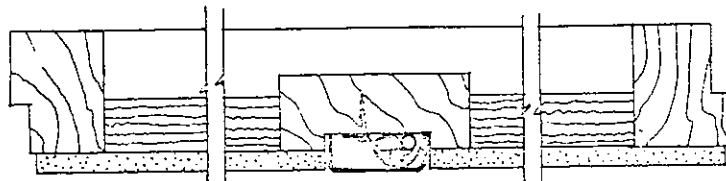
SECTIONS THRO' SKIRTING SHOWING
ALTERNATIVE POSITIONS OF
PLASTERBOARD.

①



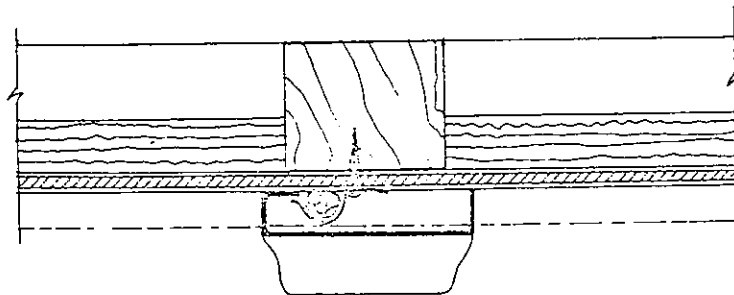
PLAN THRO' CORNER
FILLET.

F.S. DETAILS OF TYPICAL POSITIONS OF
HARNESS IN COVER TECHNIQUE.



CROSS SECTION OF CEILING PANEL AT WIRING COVER FILLET.

②

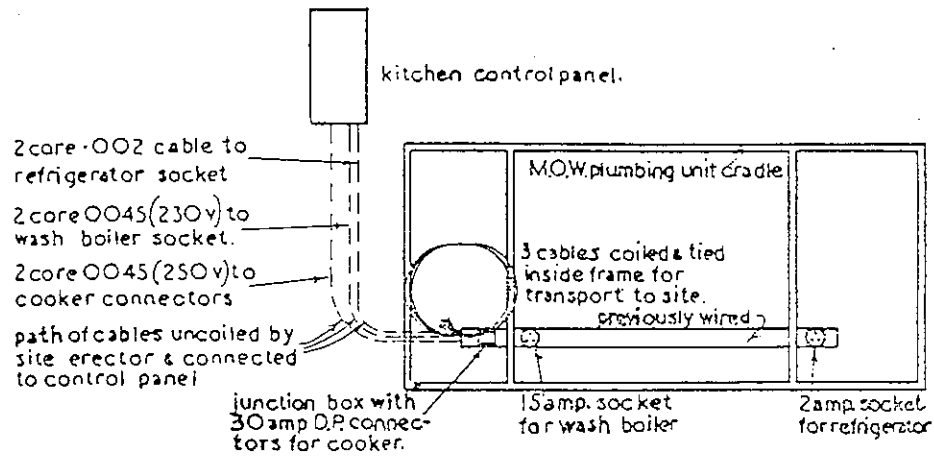


③

PLAN THRO' SOCKET OUTLET ON VERTICAL COVER FILLET

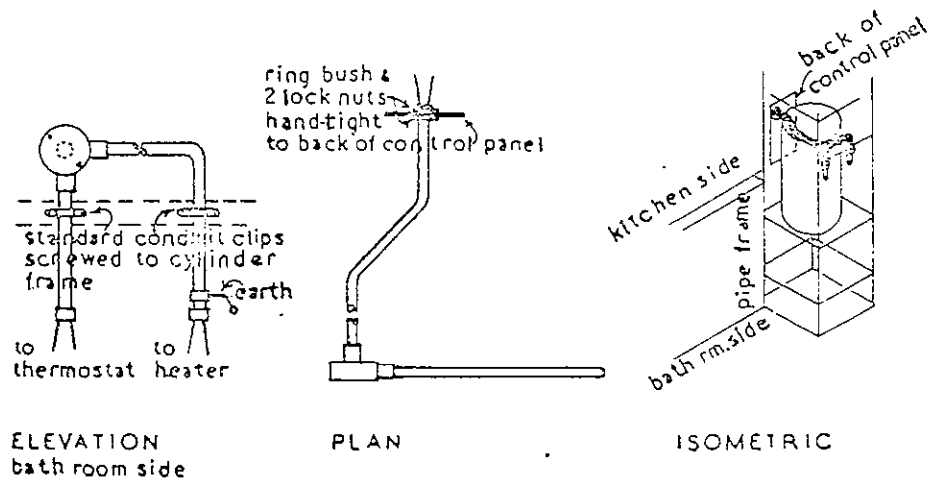
ARCON
MARK V

PIPE FRAME & CONTROL PANEL CONNECTIONS. FIG. 5



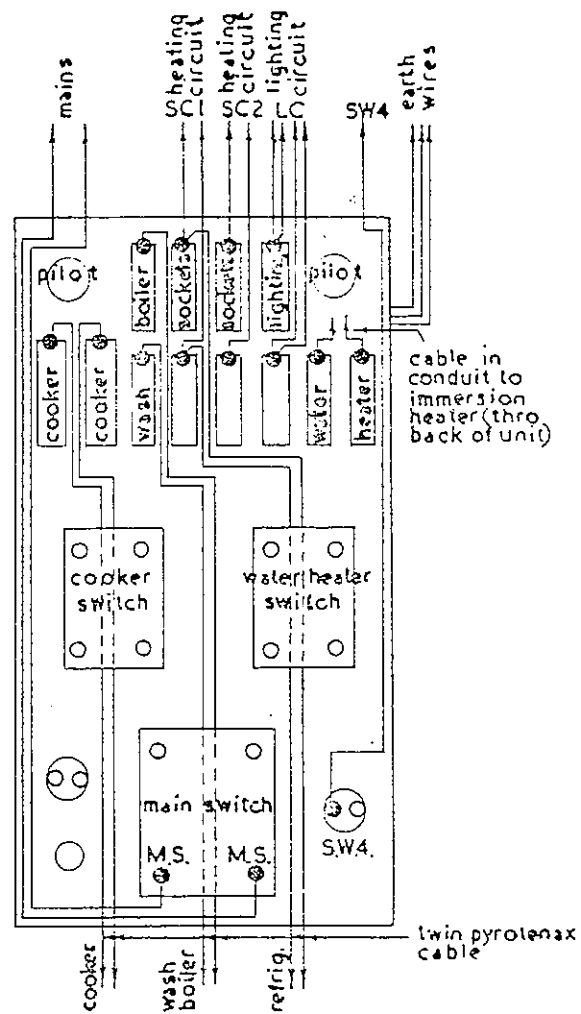
DIAGRAMMATIC ELEVATION FROM KITCHEN SIDE.

THERMOSTAT & IMMERSION HEATER CONNECTIONS.



ARCON
MARK V

CONTROL PANEL CONNECTIONS FIG. 6

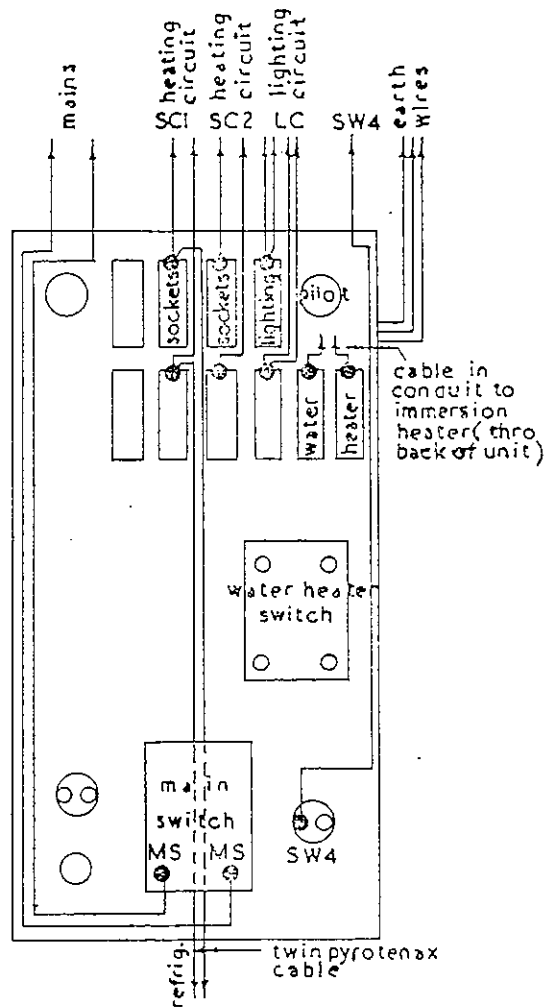


D.P. FUSING - ALL ELECTRIC.

ARCON
MARK V

CONTROL PANEL CONNECTIONS (CONTINUED)

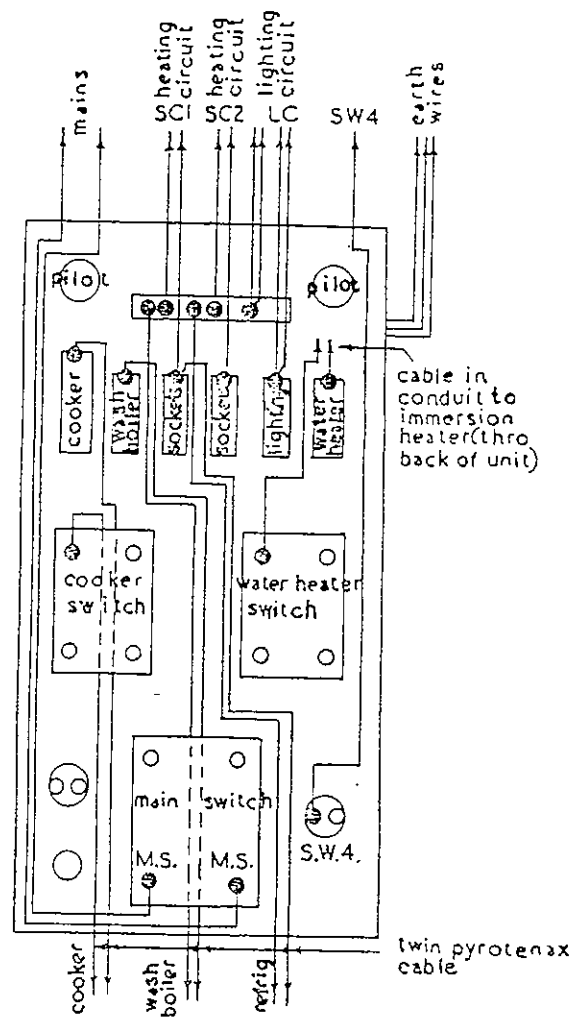
FIG. 7



D.P. FUSING - PART ELECTRIC

ARCON
MARK V

CONTROL PANEL CONNECTIONS(CONTINUED) FIG. 8

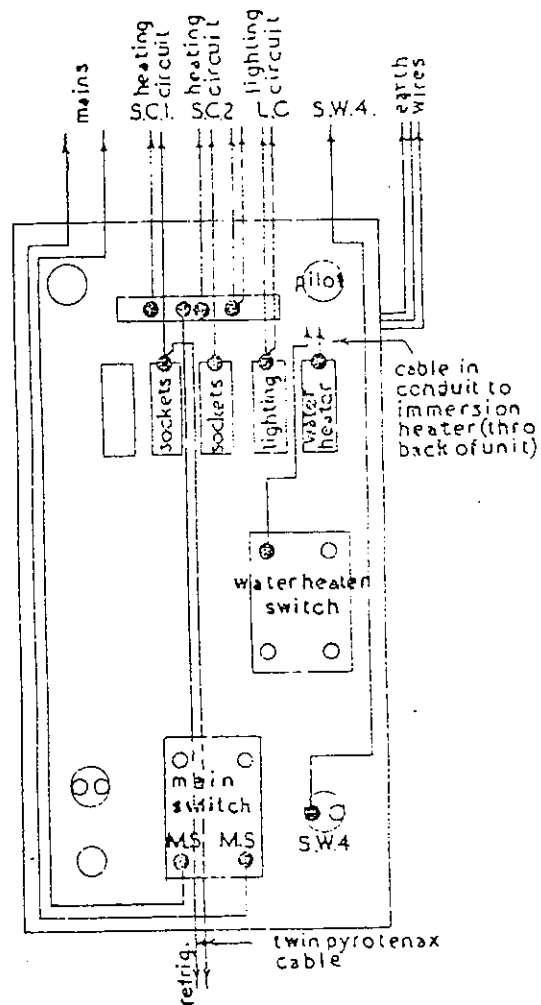


S.P. FUSING - ALL ELECTRIC

ARCON
MARK V

CONTROL PANEL CONNECTIONS (CONTINUED)

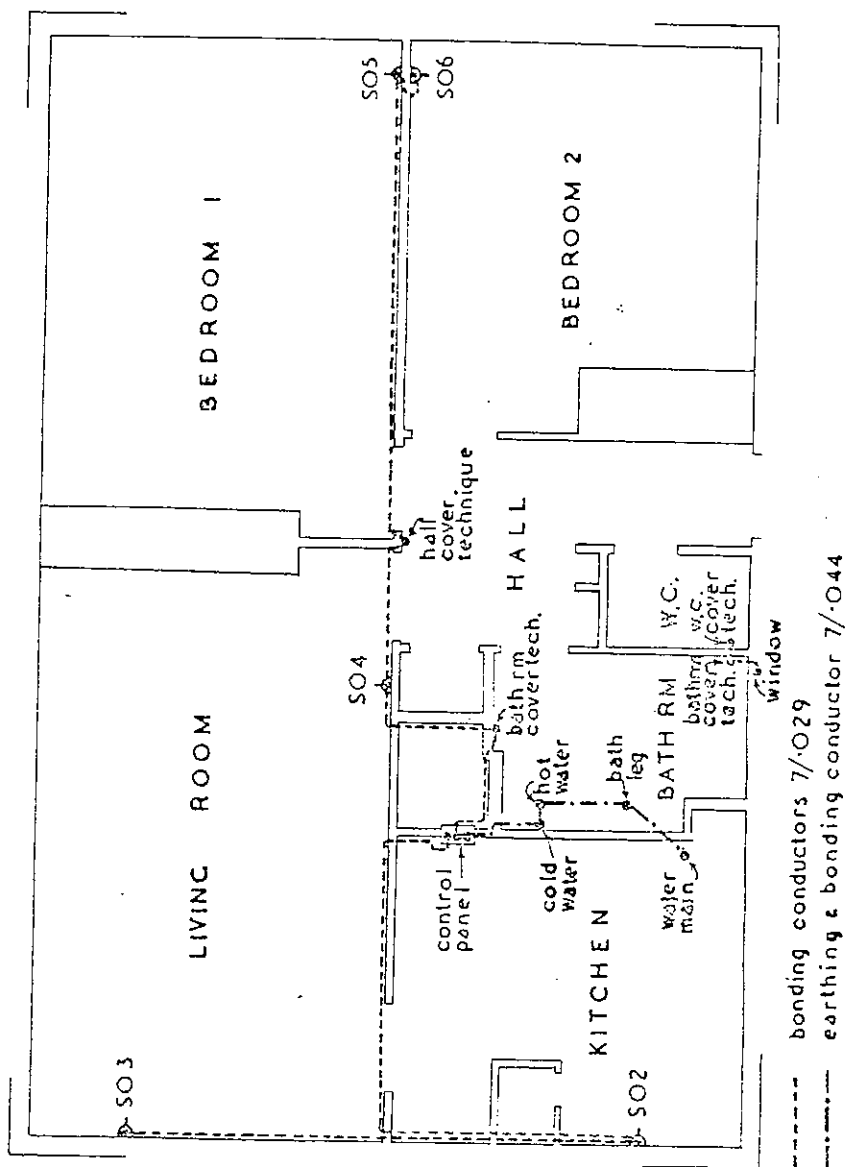
FIG. 9



S.P. FUSING - PART ELECTRIC

ARCON
MARK V

EARTHING & BONDING FIG. 10



ARCON
MARK V

ARCON MARK V

COMPONENT SCHEDULE

This Schedule has been divided into four parts corresponding with the four main erection operations -

Part 1.	Steelwork and Cladding.	Pages 1 - 5.
Part 2.	Floor, Spine Partition and Ceiling.	Pages 6 - 8.
Part 3.	Wall Linings, other partitions and Service Unit.	Pages 9 - 11.
Part 4.	Electrical, Sundry Items and Cover Technique.	Pages 12 - 16.

All items the Mark Number of which is shown in the first column are to be considered as complete components, sub-components comprised in each component being listed immediately following the component.

For simplification of delivery some small components, together with bolts, nuts and washers, are packed; the complete contents of each bag or package are shown additionally at the end of each Part with which they are delivered.

In addition to the components supplied by the Managing Contractors, the Erection Contractor is to supply the following screws and nails:-

S C R E W S

No. Off.	Type.	Where Used.
24	1 1/4" x No. 8.	Panels (wall)
120	1" x No. 7.	Panel Clips
24	2 1/2" x No. 7.	Cupboards
64	1" x No. 5.	Ceiling Panels
38	1 1/2" x No. 7.	Floors
144	1" x No. 6.	Cover Technique
30	1 1/2" x No. 7.	Door Thresholds
12	3" x No. 8.	Draining Board
12	1 1/2" x No. 8.	Draining Board
24	1" x No. 5.	Draining Board
6	2 1/2" x No. 10.	Drop Table
4	2" x No. 8.	Cover Technique
20	1 1/4" x No. 7.	Bath Panel
12	1" x No. 7.	Drop Table
8	1 1/2" x No. 7.	K.B. Unit
6	1 1/4" x No. 8 or 9.	K.B. Unit
48	1 1/2" x No. 7.	Japanned R.H. Screw Cover Tech.

N A I L S

1-lb. 1" Lath Nails	2-oz. 3/4" or 1" Panel Pins
3-lbs. 2" Wire Nails	1-lb. 1 1/2" Wire Nails

ADDENDUM TO
COMPONENT SCHEDULE.

Front Page - Screws: 48 $1\frac{1}{2}$ " x No.7 must be No.5 or No.6.

Page 1 - Steelwork & Cladding: After 1/1, 1/3 and 1/6 insert "3/36 No.off 1; Window Vent".

Page 5 - Steelwork & Cladding: (1) ^{5/49} 5/50 and 5/51 should read 1 Nut, not 2.
(2) Bolt Bag No.1, insert "3/38; 6 off; $\frac{1}{8}$ " diam. x $\frac{1}{2}$ " long bolt and nut for window vents".

Page 8 - Bearing Shoe: O/45 for 5/68 should read 2 off.

Page 9 - 6/20: Add coat hooks and screws, N.Z.11 and N.Z.12, 4 off and 8 off respectively.

Page 12 - Electrical: N.Z.11 should read 2 off not 6.
N.Z.12 should read 4 off not 12.

Page 16 - Bolt Bag No.4: N.Z.11 and N.Z.12 now reads 2 off.
Add 6/105 6 off Pelmet board brackets.

3/3 - 2 off Parker Kalkon not required now.

Part I STEELWORK & CLADDING

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
1/1	1	Wall Panel			
0/10	3	Kitchen Window	0/9	1	
		Jack Screw			
		Hinge Pin	0/50	2	
1/2	1	Wall Panel			
0/53	1	Front Entrance Door	0/3	1	
		Metal Cover Fillet to Cill			
		Window	0/2	2	
		Solid Panel	0/1	2	
0/52	2	Metal Cover Fillet			
		Pipe Holder	0/71	3	Fixed to Panel 0/1 in Bathroom
0/10	3	Jack Screw			
1/3	1	Wall Panel			
0/10	3	Bedroom Window	0/9	1	
		Jack Screw			
		Hinge Pin	0/50	2	
1/4	1	Wall Panel			
		Living-Room Entrance Door.	0/6	1	
		Living-Room Window	0/5	1	
		Solid Panel to above	0/4	1	
0/54	1	Metal Cover Fillet to Cill.			
0/10	3	Jack Screw			
		Hinge Pin	0/50	2	
1/5	1	Wall Panel			
0/10	3	Jack Screw			
1/6	1	Wall Panel			
		Bedroom Window	0/9	1	
0/10	3	Jack Screw			
		Hinge Pin	0/50	2	
1/7	2	Gable Wall Panel			
0/10	6	Jack Screw			
1/42	2	$\frac{3}{8}$ " x 1" Bolt and Nut			
1/8	1	Gable Wall Panel			
0/10	3	Jack Screw			
1/10	1	Gable Wall Panel			
		Kitchen Entrance Door.	0/7	1	
		Louvred Panel Unit	0/8	1	
0/53	1	Metal Cover Fillet to Cill.			
0/10	3	Jack Screw			
1/11	2	Gable Tie			
1/40	4	$\frac{3}{8}$ " x 1" Bolt and Nut			
1/13	1	Floor Support Tee			
0/10	3	Jack Screw			
1/44	2	$\frac{3}{8}$ " x $\frac{3}{8}$ " C, S Bolt and Nut			
1/14	1	Floor Support Tee			
0/10	3	Jack Screw			
1/21	2	Roof Truss			
1/40	8	$\frac{3}{8}$ " x 1" Bolt and Nut			

Part I STEELWORK & CLADDING

PAGE 2

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
1/22	4	Corner Brace			
1/40	4	$\frac{1}{2}$ " \times 1" Bolt and Nut			To Wall Panel
1/42	4	$\frac{1}{2}$ " \times 1" Bolt and Nut			To Gable Panel
1/23	8	Purlin			
1/40	24	$\frac{1}{2}$ " \times 1" Bolt and Nut			Purlin to Purlin and Purlin to Gable Peak
1/41	16	$\frac{1}{2}$ " \times 1 $\frac{1}{2}$ " Bolt, Washer and Nut			Purlin to Truss
1/24	1	Ceiling Aligning Member in Hall			
1/40	5	$\frac{1}{2}$ " \times 1" Bolt and Nut			
1/25	1	Ceiling Aligning Member in Hall			
1/40	4	$\frac{1}{2}$ " \times 1" Bolt and Nut			
1/26	1	Ceiling Aligning Member in Hall			
1/40	4	$\frac{1}{2}$ " \times 1" Bolt and Nut			
1/31	1	Gutter			
1/39	4	$\frac{1}{2}$ " \times 1" Bolt, Washer and Nut			
1/33	1	Gutter			
1/39	4	$\frac{1}{2}$ " \times 1" Bolt, Washer and Nut			
1/66	2	Gutter			Gutter to Frame
1/39	8	$\frac{1}{2}$ " \times 1" Bolt, Washer and Nut			
1/43	12	$\frac{1}{2}$ " \times $\frac{1}{2}$ " Bolt, Washer and Nut			Gutter to Gutter
1/67	1	Gutter			With outlet
1/39	4	$\frac{1}{2}$ " \times 1" Bolt, Washer and Nut			
1/68	1	Gutter			With outlet
1/39	4	$\frac{1}{2}$ " \times 1" Bolt, Washer and Nut			
1/35	2	Downpipe			For house without Water Butt
1/35	1	Alternatively Downpipe			
1/36	1	Downpipe with Spout and Gusset Plate			
1/40	2	$\frac{1}{2}$ " \times 1" Bolt and Nut			For house with Water Butt
1/61	1	Tee Support to Short Downpipe 1/36			
3/24	1 lb	Gutter Jointing Compound			
1/37	1	Canopy			
3/18	1	Felt Strip Packing			
1/62	2	Gable Peak Frame with Flashing			
1/39	6	$\frac{1}{2}$ " \times 1" Bolt, Washer and Nut			
1/63	2	Gable Peak Frame			
1/39	6	$\frac{1}{2}$ " \times 1" Bolt, Washer and Nut			

Part I STEELWORK & CLADDING

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
1/170 1/40	4 12	Ceiling Tee $\frac{3}{8}$ " x 1" Bolt and Nut			Truss and to Gable Panel
1/171 1/40	1 2	Ceiling Tee $\frac{3}{8}$ " x 1" Bolt and Nut			To Truss
1/172 1/40	1 2	Ceiling Tee $\frac{3}{8}$ " x 1" Bolt and Nut			To Truss
1/173 1/44	1 2	Ceiling Tee $\frac{3}{8}$ " x $\frac{1}{2}$ " C, S Bolt and Nut			To Truss and Gable
1/174 1/44	1 2	Ceiling Tee $\frac{3}{8}$ " x $\frac{1}{2}$ " C, S Bolt and Nut			To Truss
1/175 1/44	1 2	Ceiling Tee $\frac{3}{8}$ " x $\frac{1}{2}$ " C, S Bolt and Nut			To Truss and Gable
1/180	36	Thrust Plate			For use on Base under Jacks
5/1	22	Straight Roof Sheet			
5/2	10	Curved Roof Sheet			
5/3	1	Curved Roof Sheet with Outlet			
5/4	11	Eaves Filler			
5/5	11	Eaves Filler			
5/6	4	Straight Barge Board			
5/7	2	Curved Barge Board			
5/8	29	Inner and Outer Cladding			Normal
5/9	9	Inner and Outer Cladding			Half-height under Windows
5/10	3	Inner Cladding			Cut to Window
5/11	3	Inner Cladding			Cut to Window
5/12	4	Inner and Outer Cladding			Narrow
5/13	1	Inner Cladding			Narrow
5/14	4	Inner and Outer Cladding			Narrow
5/15	14	Outer Cladding			Narrow
5/16	1	Outer Cladding			Narrow
5/17	2	Outer Gable Sheet			Ribbed
5/18	2	Outer Gable Sheet			Ribbed
5/19	2	Outer Gable Sheet			Ribbed
5/20	2	Outer Gable Sheet			Ribbed
5/21	2	Outer Gable Sheet			Ribbed
5/22	2	Outer Gable Sheet			Ribbed
5/23	1	Inner Gable Sheet			Corrugated—Laid left to right
5/24	1	Inner Gable Sheet			Corrugated—Laid left to right
5/25	1	Inner Gable Sheet			Corrugated—Laid left to right
5/26	1	Inner Gable Sheet			Corrugated—Laid left to right

Part I STEELWORK & CLADDING

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
5/27	1	Inner Gable Sheet			Corrugated—Laid left to right
5/28	1	Inner Gable Sheet			Corrugated—Laid left to right
5/29	1	Inner Gable Sheet			Corrugated—Laid left to right
5/30	1	Inner Gable Sheet			Corrugated—Laid left to right
5/31	1	Inner Gable Sheet			Corrugated—Laid left to right
5/32	1	Inner Gable Sheet			Corrugated—Laid left to right
5/33	1	Inner Gable Sheet			Corrugated—Laid right to left
5/34	1	Inner Gable Sheet			Corrugated—Laid right to left
5/35	1	Inner Gable Sheet			Corrugated—Laid right to left
5/36	1	Inner Gable Sheet			Corrugated—Laid right to left
5/37	1	Inner Gable Sheet			Corrugated—Laid right to left
5/38	1	Inner Gable Sheet			Corrugated—Laid right to left
5/39	1	Inner Gable Sheet			Corrugated—Laid right to left
5/40	1	Inner Gable Sheet			Corrugated—Laid right to left
5/41	1	Inner Gable Sheet			Corrugated—Laid right to left
5/42	1	Inner Gable Sheet			Corrugated—Laid right to left
3/6	1	Finial to Smoke Pipe			
FM 10	1	Flue Pipe extension			Offset
3/16	1	Slotted Tie			Fixing upper flue to Truss
5/44	42	Roof Fixing Bolt with Plastic and Felt Washers and Oakley Clip			3½" long
5/45	4	Roof Fixing Bolt with Plastic and Felt Washers and Oakley Clip			4½" long
5/46	54	Clip for Roof Sheets			
5/47	46	Seam Bolt with Plastic, Felt and Metal Washers and Nut			1½" long × ½" diam.
5/48	24	Seam Bolt, with Plastic, Felt and Metal Washers and Nut			1½" long × ½" diam.
5/49	186	Hook Bolt, with Felt and Metal Washers and 2 Nuts			1½" long × ½" diam.

Part I STEELWORK & CLADDING

PAGE 5

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
5/50	40	Hook Bolt, with Felt and Metal Washers and 2 Nuts			1" long
5/51	36	Hook Bolt, with Felt and Metal Washers and 2 Nuts			2 1/2" long
5/52	266	Toggle Bolt with Plastic and Felt Washers			
3/3	2	Parker Kalon Screw			1/2" long. Finial to
3/31	18	Glazing Clip			Flue Pipe
3/32	112	Glazing Clip			To Doors
3/35		Roof Jointing Compound			To Windows
					Scottish Houses only

BOLT BAG NO. 1. ACCESSORIES FOR USE IN PART I.

Mark No.	No. off	DESCRIPTION
063/0/10	36	Steelwork Jack Body and Screw.
1/39	36	3/8" Diam. x 1" long Bolt with Nut and Washer.
1/40	71	3/8" Diam. x 1" long Bolt with Nut only.
1/41	16	1/2" Diam. x 1 1/2" long Bolt with Nut and Washer.
1/42	6	3/8" Diam. x 1" long Countersunk Bolt with Nut.
1/43	12	3/8" Diam. x 1 1/2" long Round Head Bolt with Nut and 2 Washers.
1/44	8	3/8" Diam. x 1 1/2" long Countersunk Bolt with Countersunk Nut.
1/180	36	Thrustplate (for use under Jacks).
3/3	2	Parker-Kalon Type Z (1/2" x No. 14) Self-Tapping Screw.
3/31	18	Copper Glazing Clip—Doors.
3/32	112	Copper Glazing Clip—Windows.
5/44	42	Roof Fixing Bolt with Plastic and Felt Washers and Oakley Clip.
5/45	4	Roof Fixing Bolt with Plastic and Felt Washers and Oakley Clip.
5/46	54	Clip for Roof Sheets.
5/47	46	Seam Bolt with Plastic, Felt and Metal Washers and Nut.
5/48	24	Seam Bolt with Plastic, Felt and Metal Washers and Nut.
5/49	186	Hook Bolt with Felt and Metal Washers and 1 Nut.
5/50	40	Hook Bolt with Felt and Metal Washers and 1 Nut.
5/51	36	Hook Bolt with Felt and Metal Washers and 1 Nut.
5/52	266	Toggle Bolt with Plastic and Felt Washers.

Part 2 FLOORS, SPINE PARTITION & CEILING

PAGE 6

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
6 23	5	Floor Panel			Normal
0 47	5	Bearing Channel			
0 46	5	Floor Jack			
6 27	1	Floor Panel			Under W.C.
0 47	1	Bearing Channel			
0 46	1	Floor Jack			
6 73	2	Floor Panel			Master
0 47	4	Bearing Channel			
0 46	4	Floor Jack			
6 74	1	Floor Panel			Under K/B Unit
0 47	1	Bearing Channel			
0 46	2	Floor Jack			
6 77	1	Wood Plug			
6 75	1	Floor Panel			Hearth Panel
0 47	1	Bearing Channel			
0 46	2	Floor Jack			
6 77	1	Wood Plug			
6 80	4	Floor Panel			Next to end panels
6 81	2	Floor Panel			End panels
0 47	2	Bearing Channel			(Kitchen Living-Room)
0 46	4	Floor Jack			
6 77	2	Wood Plug			
6 82	2	Floor Panel			End Panels (Bedrooms)
0 47	2	Bearing Channel			
0 46	4	Floor Jack			
6 77	2	Wood Plug			
1 27	1	Floor Aligning Member			
6 45	1	Location Plate			
1 28	1	Floor Aligning Member			
1 29	1	Floor Aligning Member			
6 45	1	Location Plate			
1 182	1	Base Frame for Hall Cupboards			
6 43	12	Floor Plate for fixing Spine Partitions			
6 57	3	Floor Plate for fixing Partitions			
6 87	6	Floor Plate for fixing Spine Partitions			As 063-6 43 but half-length
1 180	22	Thrust Plate			For use on Base under Jacks
6 1	1	Ptn. unit with 2 doors			To L.R. and B.R.I.
		Threshold	0 14	1	
		Door	DK 10	1	Hall to Living-Room
		Door	DL 10	1	Hall to Bedroom No. 1
		3" Butt Hinges	MV 10	2 pairs	To above
		Mortice Latch and Striking	ND 11 & 12 & 13		
		Place with Screw	0 74	2	To above
		Metal Vent Plate		1	Over Bedroom Door
0 48	3	Top Fixing Clip			
6 2	1	Partition Unit			
0 48	2	Top Fixing Clip			
6 4	1	Partition Unit			Hardboard 1/2 width on Kitchen side

Part 2 FLOORS, SPINE PARTITION & CEILING

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
0/48	2	Top Fixing Clip			
6/5	1	Partition Unit			Half width
0/48	2	Top Fixing Clip			
6/6	1	Door Frame			Living-Room/Kitchen
		Threshold	0/15	1	
		Door	DK 10	1	
		3" Butt Hinges	MV 10	1 pair	
		Mortice Latch and Striking Plate and Screws	ND 11 & 12 & 13	1 set	
0/48	2	Top Fixing Clip			
6/7	1	Partition Unit			Half width
0/48	2	Top Fixing clip			
6/9	3	Partition Unit			
0/48	6	Top Fixing Clip			
6/10	1	Partition Unit			
0/48	2	Top Fixing Clip			
6/76	1	Fireplace Unit			
		Cill to Fireplace Opening	0/68	1	
0/48	2	Top Fixing Clip			
PG 10	1	Warm Air Shroud and Vertical Duct			
PP 10	1	Horizontal Warm Air Duct			Short length
PQ 10	1	Horizontal Warm Air Duct			Long length
FA 10	1	Solid Fuel Stove			
FB 10	1	Smoke Pipe (Lower length)			
FX 10	1	Fireplace Surround			
FY 10	1	Front Hearth			
FZ 10	1	Back Slab			
6/18	1	Door Frame			Bathroom and Airing Cupboard
		Steel Flat	0/41	2	On vertical edge of Panel
		Threshold	0/32	1	
		Steel Angle Frame	0/36	1	
		Door	DQ 10	1	To Airing Cupboard
		3" Butt Hinges	MV 10	1 pair	To Airing Cupboard
		Press Catch and Screws	MP 11 & MR 12	1 set	To Airing Cupboard
		Steel Angle Frame	0/35	1	To Bathroom
		Door	DP 10	1	To Bathroom
		3" Butt Hinges	MV 10	1 pair	To Bathroom
		Mortice Lock and Striking Plate and Screws	NC 11 & ND 12 & 13		To Bathroom
		Steel Angle Lintel	0/39	1	Over both Doors
		Metal Vent Plate	0/75	1	Below Airing Cupboard
0/48	3	Top Fixing Clip			
6/31	1	Ceiling Panel			Electrical Bedroom 1
0/45	2	Bearing Shoe			
6/32	9	Ceiling Panel			Normal
0/45	18	Bearing Shoe			

Part 2 FLOORS, SPINE PARTITION & CEILING

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
6/33	1	Ceiling Panel			Electrical Living-Room
0/45	2	Bearing Shoe			
6/34	1	Ceiling Panel			
0/45	2	Bearing Shoe			
		Access Panel	0/59	1	Including No. 2. Parker-Kalon 10Z 1" Screws
		3" Grip Handle and Screws	MS 11 & 12	1	
		Metal Angle	0/58	1	
6/35	1	Ceiling Panel			
0/45	2	Bearing Shoe			
		Access Panel	0/69	1	
6/36	1	Ceiling Panel			Low level to Hall
6/37	1	Ceiling Panel			Low level to Hall
6/38	1	Ceiling Panel			Electrical Kitchen
0/45	2	Bearing Shoe			
6/39	1	Ceiling Panel			Electrical W.C.
0/45	2	Bearing Shoe			
6/40	1	Ceiling Panel			Electrical Bedroom 2
0/45	2	Bearing Shoe			
6/41	7	Ceiling Panel			Normal
0/45	14	Bearing Shoe			
6/42	1	Ceiling Panel			Near Door Bedroom 2
0/45	2	Bearing Shoe			
6/67	2	Ceiling Panel			Gable end Panel
0/45	4	Bearing Shoe			Living-Room and Kitchen
6/68	1	Ceiling Panel			Gable end Panel,
0/45	4	Bearing Shoe			Living-Room and Kitchen
6/69	2	Ceiling Panel			Gable end Panels,
0/45	4	Bearing Shoe			Bedrooms
6/70	2	Ceiling Panel			Gable end Panels,
0/45	4	Bearing Shoe			Bedrooms
3/7	1	Flue Support Plate			To Panel 6/34
3/8	1	Flue Support Plate			To Panel 6/34

BOLT BAG NO. 2.		
ACCESSORIES FOR USE IN PART 2.		
Mark No.	No. off	DESCRIPTION
063/0/45	62	Bearing Shoes (to Ceiling Panels).
0/46	22	Floor Jacks (Screws and Sockets).
0/47	16	Bearing Channels.
0/48	26	Top Fixing Clips.
1/180	22	Thrustplates (for use under Jacks)
6/43	12	Floor Fixing Plates (Spine).
6/45	2	Location Plates.
6/57	3	Floor Fixing Plates (Partition 6/18).
6/77	6	Wooden Dowel Plugs.
6/87	6	Floor Fixing Plates (Spine).

Part 3 WALL LININGS, other PARTITIONS & SERVICE UNIT

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
6/11 0/73	6 24	Wall Lining Fixing Clip			Narrow (half width) 2 Clips at top and middle to each panel
6/12	2	Wall Lining			Half-height under Bedroom windows
6/13 0/73 0/72	7 14 7	Wall Lining Fixing Clip Turning Clip			Tongued R.H. edge At tops of panels At half-height
6/14 0/73	1 4	Wall Lining Fixing Clip			Plain both edges At top and half-height
6/15 0/73 0/72	7 14 7	Wall Lining Fixing Clip Turning Clip			Tongued L.H. edge At tops of panels At half height
6/58 0/73 0/61	1 2 2	Wall Lining Fixing Clip Fixing Clamp			To take Kitchen table At top of panel At half-height
6/59 0/73	3 12	Wall Lining Fixing Clip			Narrow (half-width) At top and half-height
6/60	1	Wall Lining			Half-height under Kitchen window
6/8	2	Fixing for panels under windows			Bedrooms
6/61	1	Fixing for panel under window			Kitchen
6/90 0/73	1 3	Wall Lining Fixing Clip			To end of Service Unit At top of panel
6/16	2	Partition Unit Steel Flat	0/44	4	On vertical edges of each panel
6/17	1	Partition Unit Steel Flat	0/41	2	Bathroom/W.C. On vertical edges
0/48	3	Top Fixing Clip			
6/20	1	Hall Cupboard 2" Butt Hinges and Screws	NY 11 & NW 12	1 pair	
		Small Press Catch and Screws	MN 11 & NH 12	1 set	
0/66	1	Location Lug			
6/21	1	Partition and Door Frame			Hall/W.C.
		Steel Flat	0/41	1	
		Steel Flat	0/42	1	
		Threshold	0/33	1	
		Steel Angle Frame	0/37	1	To W.C. Door
		Door	DN 10	1	To W.C.
		3" Butt Hinges	MY 10	1 pair	To W.C.
		Mortice Lock, Striking Plate and Screws	NC 11 & ND 12 & 13	1 set	To W.C.
0/48	3	Top Fixing Clip			

Part 3 WALL LININGS, other PARTITIONS & SERVICE UNIT

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
6/22	1	Partition and Door Frame			Hall/Bedroom 2
		Steel Flat	0/41	2	
		Threshold	0/34	1	
		Steel Angle Lintel	0/40	1	
		Steel Angle Frame	0/38	1	To Bedroom Door
		Door	DM 10	1	To Bedroom Door
		3" Butt Hinges	MV 10	1 pair	To Bedroom Door
		Mortice Lock, Striking Plate and Screws	ND 11 & 12 & 13	1 set	
		Metal Vent Board	0/75	1	Over Door
0/48	3	Top Fixing Clip			
6/46	1	Cupboard Side Frame Turnbutton and Screws	MQ 11 & MD 13	4 sets	To Airing Cupboard
6/47	1	Cupboard Side Frame Turnbutton and Screws	MQ 11 & ND 13	4 sets	To Airing Cupboard
6/48	1	Cupboard Top Frame Offset Hinge and Screws Press Catch and Screws	MR 11 & 12 MN 11 & NH 12	1 pair 1 set	To Airing Cupboard
		Turnbutton on Plate and Screws	MT 11 & 12	1 set	
6/49	1	Cupboard Back, Top Half			To Airing Cupboard
6/50	3	Cupboard Slatted Shelf			To Airing Cupboard
6/51	1	Cupboard Floor			To Airing Cupboard
6/71	1	Cupboard Back, Lower Half			To Airing Cupboard
6/72	2	Strut			To Airing Cupboard
6/62	1	Cover Fillet			To K/B Unit
6/63	1	End to K/B Unit			Partition end
6/66	1	Fixing Block			Partition 6/16 to K/B Unit
6/85	1	Cover for Duct Opening in K/B Unit			
6/89	1	Frame			To secure W.C. cistern and support to outer wall
4/27	1	Floor Cover Plate to W.C. outlet			
4/28	1	Floor Cover Plate to W.C. outlet			
6/44	39	Floor Plate for fixing Wall Linings			
6/53	12	Cleat			6 to secure 6/16 to Cupboard (Living-Room / Bedroom 1). 3 to 6/22 and Cupboard in Bedroom 2. 3 to 6/16 & K/B Unit.
6/57	7	Floor Plate for fixing Partitions			

Part 3 WALL LININGS, other PARTITIONS & SERVICE UNIT

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
6/88	16	Floor Plate for fixing Wall Linings			As 6/44 but half length
6/91	2	Floor Plate			Under 6/16 between Living-Room and Bedroom 1
6/92	2	Floor Plate			Under 6/16 in Bathroom
6/93	3	Floor Plate			Under Cupboards between Hall and Bedroom 2
6/106	4	Parker-Kalon 14Z Screws			To W.C. Frame

All items of the Service Unit will be delivered in accordance with Ministry of Works Schedule No. EQ/1A/AR (in Scotland EQ/2/AR), with the exception of the following:—

FM 10	...	...	Upper Length Flue Pipe	...	...	In Part 1.
PG 10	...	...	Warm Air Shroud	...	...	In Part 2.
PP 10	...	...	Horizontal Warm Air Duct (Short)	...	...	In Part 2.
PQ 10	...	...	Horizontal Warm Air Duct (Long)	...	...	In Part 2.
FA 10	...	...	Solid Fuel Stove	...	...	In Part 2.
FB 10	...	...	Smoke Pipe—Lower...	...	...	In Part 2.
FX 10	...	...	Fireplace Surround	...	...	In Part 2.
FY 10	...	...	Front Hearth	...	...	In Part 2.
FZ 10	...	...	Back Slab	...	...	In Part 2.
KK 10—MU 10 (inclusive)	...	...	Builders' Ironmongery	...	...	In Part 2.
	...	...	Builders' Ironmongery	...	...	In Part 3.
	...	...	Builders' Ironmongery	...	...	In Part 4.

Note.—Builders' Ironmongery listed in Parts 2 and 3 will arrive on site pre-fixed to the corresponding Joinery Sections.

Builders' Ironmongery listed in Part 4 will arrive in Bag No. 4 for fixing on site.

BOLT BAG NO. 3.
ACCESSORIES FOR USE IN PART 3.

Mark No.	No. Off	DESCRIPTION
063/0/48	9	Top Fixing Clips.
0/61	2	Fixing Clamps to Table.
0/66	1	Location Lug to Hall Cupboard.
0/72	14	Fixing Clips—one screw.
0/73	73	Fixing Clips—two screws.
6/44	39	Floor Fixing Plates (Wall Linings).
6/53	12	Angle Cleats.
6/57	7	Floor Fixing Plates (Partitions).
6/88	16	Floor Fixing Plates (Wall Linings).
6/91	2	Floor Plates.
6/92	2	Floor Plates.
6/93	3	Floor Plates.
6/106	4	Parker-Kalon 14Z Screws (W.C. Frame).

Part 4 ELECTRICAL, Sundry Items & COVER TECHNIQUE

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
K 1	1	Electrical Kit.			See "Electrical Erection Manual," page 2
NF 11	6 sets	Plastic Mortice Furniture			
NF 12	36	Screws to above			
NH 11	2	"T" Shaped Snib			To operate with NC 11 (Bathroom and W.C.)
NH 12	4	Screws to above			
NZ 11	6	Coat Hook			Hall Cupboard (4) Bathroom and W.C. (1 each)
NZ 12	12	Screws to above			
MU 11	7	Rubber Door Stop			
MU 12	7	Screws to above			
2/29	1	Ceiling Wiring Cover			
2/30	1	Ceiling Wiring Cover			
2/32	1	Ceiling Wiring Cover			
2/33	2	Ceiling Wiring Cover			
2/94	1	Fascia Plate			To Hall
2/99	33	Fixing Plate			For Vertical Covers
2/101	42	Fixing Plate			For Vertical Covers
2/102	15	Fixing Plate			For Vertical Covers
2/104	6	Fixing Plate			For Vertical Covers
2/106	1	Cill Cover Strip			To Kitchen
2/108	1	Cover Fillet			To Kitchen Table
2/109	1	Cover Fillet			To Kitchen Table
2/110	1	Cover Fillet			To Kitchen Table
2/111	1	Skirting			
2/112	1	Skirting			
2/113	2	Skirting			
2/114	1	Skirting			
2/115	2	Skirting			
2/116	1	Skirting			
2/117	1	Skirting			
2/118	1	Skirting			
2/119	1	Skirting			
2/120	1	Skirting			
2/121	1	Skirting			
2/122	1	Skirting			
2/123	1	Skirting			
2/124	1	Skirting			
2/125	1	Skirting			
2/126	2	Skirting			
2/127	1	Skirting			
2/128	1	Skirting			
2/129	1	Skirting			

Part 4 ELECTRICAL, Sundry Items & COVER TECHNIQUE

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
2/130	1	Skirting			
2/131	1	Skirting			
2/132	1	Skirting			
2/133	1	Skirting			
2/134	1	Skirting			
2/135	1	Skirting			
2/136	1	Skirting			
2/137	1	Skirting			
2/138	1	Picture Rail			
2/139	1	Picture Rail			Notched
2/140	1	Picture Rail			Notched
2/141	3	Picture Rail			
2/142	1	Picture Rail			
2/143	1	Picture Rail			Notched
2/144	1	Picture Rail			Notched
2/145	1	Picture Rail			Notched
2/146	2	Picture Rail			
2/147	1	Picture Rail			
2/148	1	Picture Rail			
2/149	1	Picture Rail			
2/150	2	Picture Rail			
2/151	1	Picture Rail			
2/152	1	Picture Rail			Notched
2/153	1	Picture Rail			Notched
2/154	1	Picture Rail			Notched
2/155	1	Picture Rail			Notched
2/156	1	Picture Rail			Notched
2/157	1	Picture Rail			Notched
2/158	1	Picture Rail			Notched
2/159	1	Picture Rail			Notched
2/160	1	Picture Rail			Notched
2/161	1	Picture Rail			
2/162	1	Picture Rail			
2/163	1	Picture Rail			
2/164	1	Picture Rail			
2/165	1	Picture Rail			
2/166	2	Picture Rail			
2/167	1	Picture Rail			
2/168	1	Picture Rail			
2/169	1	Picture Rail			
2/170	1	Picture Rail			Notched
2/171	2	Picture Rail			
2/172	1	Picture Rail			
2/173	1	Picture Rail			
2/174	1	Picture Rail			
2/175	1	Picture Rail			Notched
2/176	1	Picture Rail			Notched

Part 4 ELECTRICAL, Sundry Items & COVER TECHNIQUE

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
2/177	1	Picture Rail			Notched
2/178	1	Picture Rail			
2/179	1	Picture Rail			
2/180	1	Picture Rail			
2/187	1	Skirting			
2/188	10	Top Pressing			
2/189	8	Top Pressing			
2/190	11	Top Pressing			
2/191	2	Top Pressing			
2/192	1	Top Pressing			
2/193	1	Top Pressing			
2/194	3	Top Pressing			
2/195	1	Top Pressing			
2/196	4	Top Pressing			
2/197	6	Top Pressing			
2/198	2	Top Pressing			
2/199	2	Top Pressing			
2/200	1	Top Pressing			
2/202	1	Top Pressing			
2/203	1	Top Pressing			
2/204	3	Top Pressing			
2/205	1	Top Pressing			
2/206	8	Corner Fillet			
2/207	7	Architrave			
2/208	4	Architrave			
2/209	10	Corner Fillet			
2/210	1	Corner Fillet			
2/211	3	Corner Fillet			
2/212	2	Architrave			With outlet for switch and 2 spire tension lock nuts
2/213	2	Corner Fillet			Notched
2/214	2	Corner Fillet			Notched
2/215	1	Corner Fillet			Notched
2/216	1	Corner Fillet			Notched to Kitchen Cill
2/217	1	Cover Fillet			With outlet for socket
2/218	1	Cover Fillet			With outlet for angle batten holder
2/219	1	Corner Fillet			Notched to Kitchen Cill
2/220	1	Corner Fillet			
2/221	1	Corner Fillet			
2/222	4	Architrave			With outlet for switch and 2 spire tension lock nuts
2/223	1	Corner Fillet			Notched
2/224	1	Corner Fillet			Notched

Part 4 ELECTRICAL, Sundry Items & COVER TECHNIQUE

Component Mark No.	No. off per house	DESCRIPTION	Sub. Component Ref. No.	No. off per Component	REMARKS
2/225	2	Architrave			To Bedrooms
2/226	2	Corner Fillet			
2/227	1	Corner Fillet			
2/228	2	Architrave			
2/230	6	Bottom Pressing			
2/231	5	Bottom Pressing			
2/232	8	Bottom Pressing			
2/233	1	Bottom Pressing			
2/234	1	Bottom Pressing			
2/235	4	Bottom Pressing			
2/236	3	Bottom Pressing			
2/237	2	Bottom Pressing			
2/238	2	Bottom Pressing			
2/239	1	Bottom Pressing			
2/240	3	Bottom Pressing			
2/241	3	Bottom Pressing			
2/242	2	Bottom Pressing			
2/245	4	Bottom Pressing			
2/246	2	Bottom Pressing			
2/247	2	Bottom Pressing			
2/248	1	Bottom Pressing			
2/249	2	Bottom Pressing			
2/250	1	Corner Fillet			Living-Room Bedrooms and Kitchen Bathroom W.C. For fixing Cover Plates to cover technique sections For fixing Pelmet Boards
2/251	35	Architrave Fixing Plate			
2/252	15	Architrave Fixing Plate			
3/26		Joint Cover Strip			
6/83	1	Mantel Shelf			
0/70	2	Brackets			
6/101	1	Pelmet Board			
6/102	3	Pelmet Board			
6/103	1	Pelmet Board			
6/104	1	Pelmet Board			
2/253	272	Parker-Kalon 6Z R.H. Screws			
3/37	24	Rawlanchors			

Part 4 ELECTRICAL, Sundry Items & COVER TECHNIQUE

BOLT BAG NO. 4

ACCESSORIES FOR USE IN PART 4.

Mark No.	No. off	DESCRIPTION
MU 11 & 12	7	Rubber Door Stops and Screws.
NZ 11 & 12	6	Coat Hooks and Screws.
NH 11 & 12	2 sets	Snibs and Screws.
NF 11 & 12	6 sets	Plastic Mortice Furniture and Screws.
063/0/70	2	Mantel Shelf Brackets.
2/99	33	Cover Technique Fixing Plate.
2/101	42	Cover Technique Fixing Plate.
2/102	15	Cover Technique Fixing Plate.
2/104	6	Cover Technique Fixing Plate.
2/188	10	Cover Technique Top Pressing.
2/189	8	Cover Technique Top Pressing.
2/190	11	Cover Technique Top Pressing.
2/191	2	Cover Technique Top Pressing.
2/192	1	Cover Technique Top Pressing.
2/193	1	Cover Technique Top Pressing.
2/194	3	Cover Technique Top Pressing.
2/195	1	Cover Technique Top Pressing.
2/196	4	Cover Technique Top Pressing.
2/197	6	Cover Technique Top Pressing.
2/198	2	Cover Technique Top Pressing.
2/199	2	Cover Technique Top Pressing.
2/200	1	Cover Technique Top Pressing.
2/202	1	Cover Technique Top Pressing.
2/203	1	Cover Technique Top Pressing.
2/204	3	Cover Technique Top Pressing.
2/205	1	Cover Technique Top Pressing.
2/230	6	Cover Technique, Bottom Pressing.
2/231	5	Cover Technique, Bottom Pressing.
2/232	8	Cover Technique, Bottom Pressing.
2/233	1	Cover Technique, Bottom Pressing.
2/234	1	Cover Technique, Bottom Pressing.
2/235	4	Cover Technique, Bottom Pressing.
2/236	3	Cover Technique, Bottom Pressing.
2/237	2	Cover Technique, Bottom Pressing.
2/238	2	Cover Technique, Bottom Pressing.
2/239	1	Cover Technique, Bottom Pressing.
2/240	3	Cover Technique, Bottom Pressing.
2/241	3	Cover Technique, Bottom Pressing.
2/242	2	Cover Technique, Bottom Pressing.
2/245	4	Cover Technique, Bottom Pressing.
2/246	2	Cover Technique, Bottom Pressing.
2/247	2	Cover Technique, Bottom Pressing.
2/248	1	Cover Technique, Bottom Pressing.
2/249	2	Cover Technique, Bottom Pressing.
2/251	35	Architrave Fixing Plate.
2/252	15	Architrave Fixing Plate.
2/253	272	Parker-Kalon 6Z Roundhead Screws.
3/37	24	Rawlanchors.