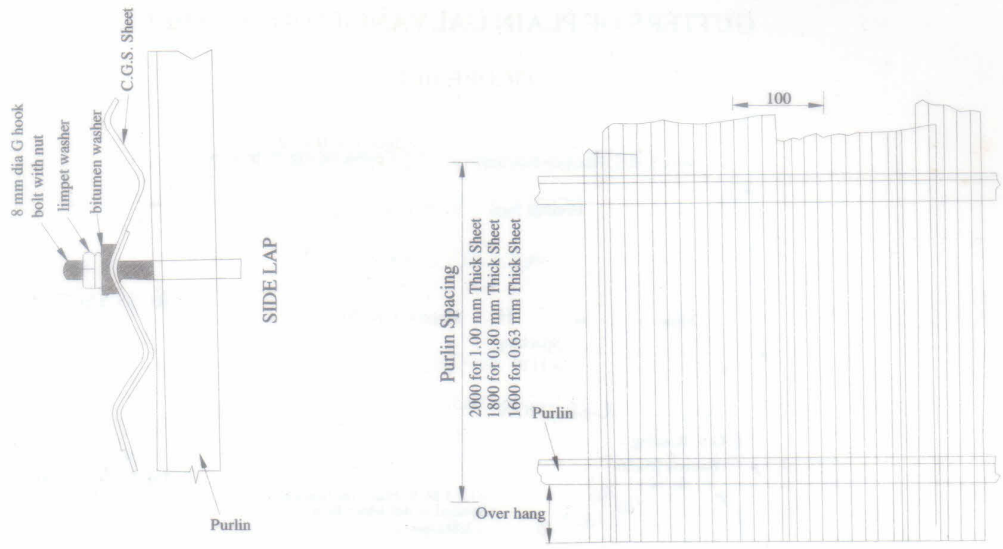
CORRUGATED GALVANISED IRON SHEET ROOFING

FIGURE 10.1

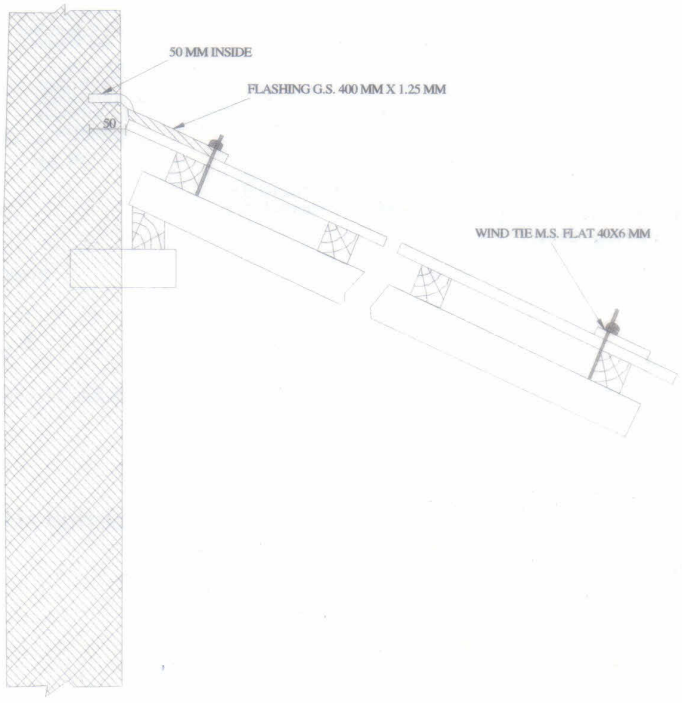


All dimensions are in mm

Drawings not to Scale

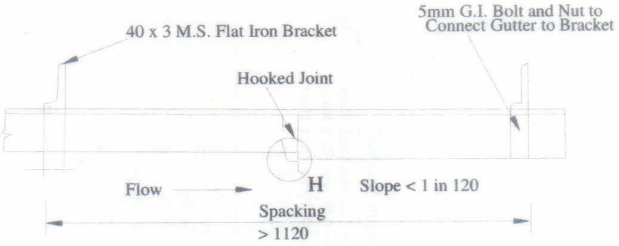
WIND TIE AND FLASHING

FIGURE 10.2

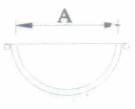


GUTTERS OF PLAIN GALVANISED STEEL SHEETS

FIGURE 10.3

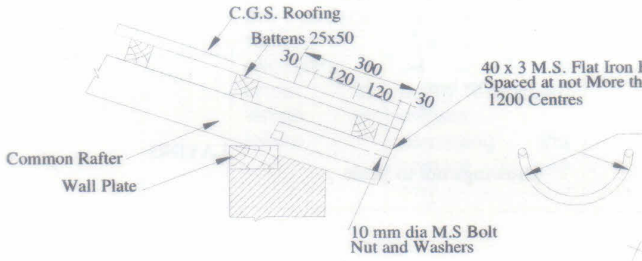


L-SECTION

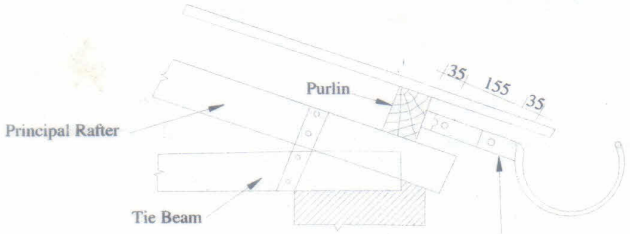


CROSS SECTION

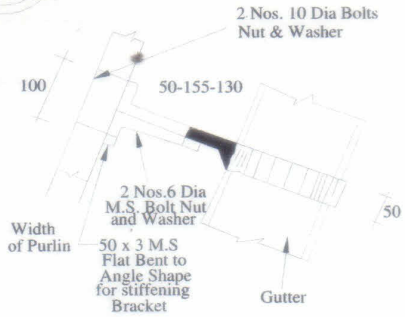
DETAIL AT H



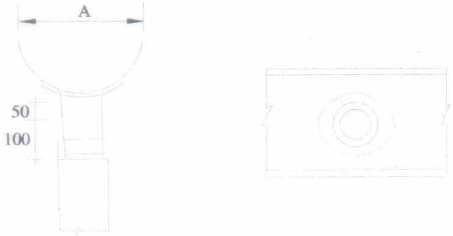
FIXING BRACKET TO RAFTER



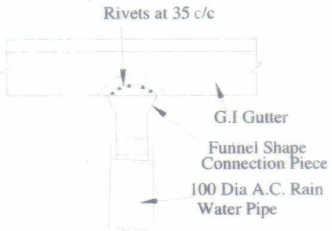
FIXING BRACKET TO PURLIN DESIGNATING SIZE



PLAN



SECTION ACROSS GUTTER PLAN



SECTION ALONG GUTTER

All dimensions are in mm

Drawings not to Scale

AC CORRUGATED SHEET ROOFING
EXPLANATORY FIGURES
FIGURE 10.4 A to E

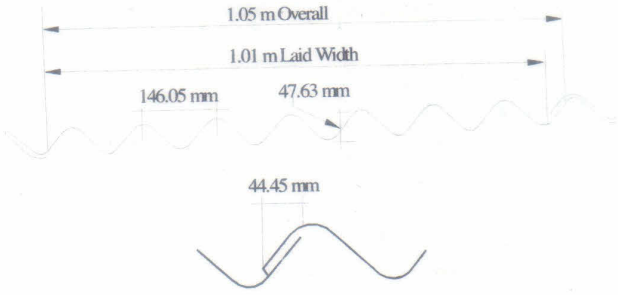


FIG. 10.4 (A) SECTION OF A.C. CORRUGATED SHEET SHOWING SIDE LAP

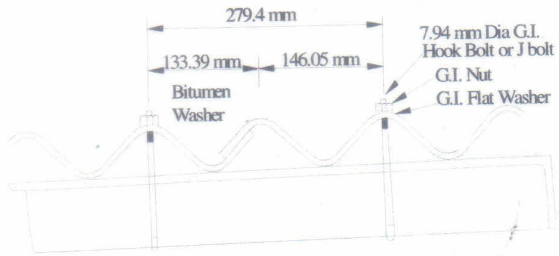


FIG. 10.4 (B) FIXING A.C. CORRUGATED SHEET

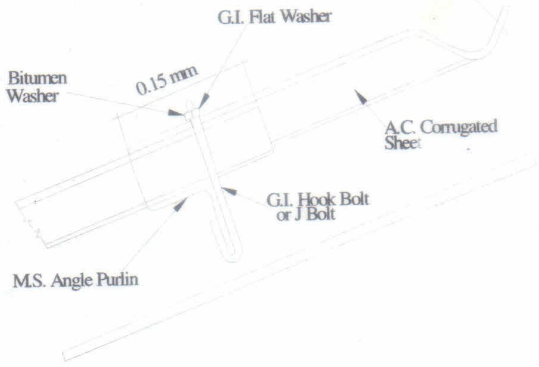


FIG. 10.4 (C) METHOD OF FIXING G.I. HOOK BOLT

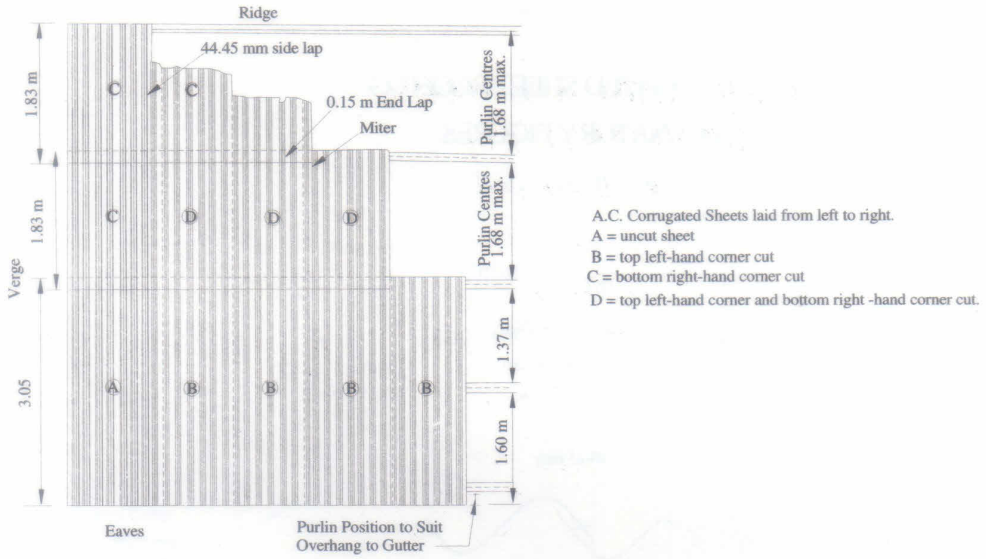


FIG. 10.4 (D) METHOD TO BE ADOPTED FOR LAYING A.C. CORRUGATED SHEETS

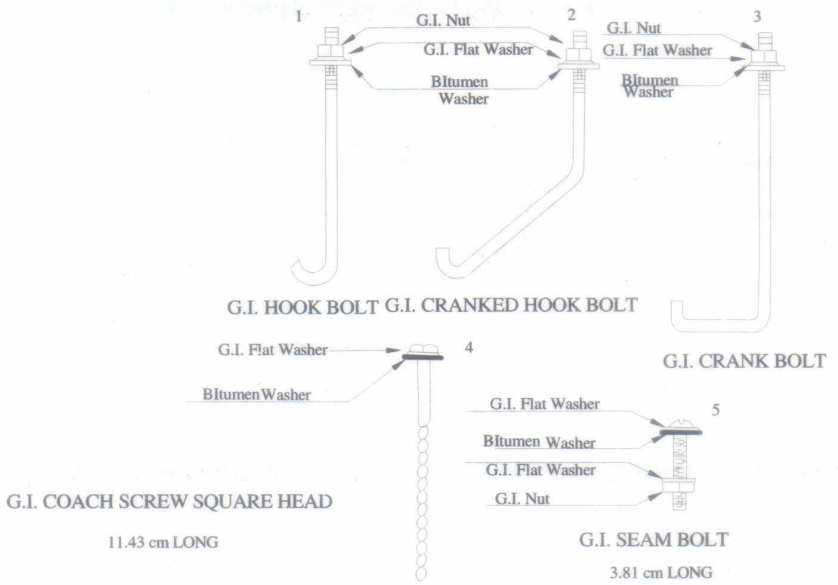


FIG. 10.4 (E) ACCESSORIES FOR FIXING A.C. CORRUGATED & SEMI CORRUGATED SHEETS

AC SEMICORRUGATED SHEET ROOFING
EXPLANATORY FIGURES
FIGURE 10.5 A to D

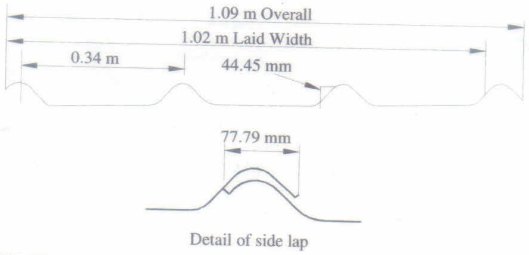


FIG.10.5 (A) SECTION OF SEMI CORRUGATED TRAFFORD SHEET SHOWING SIDE LAP

Method of Fixing J Bolts to A.C. Semicorrugated sheets

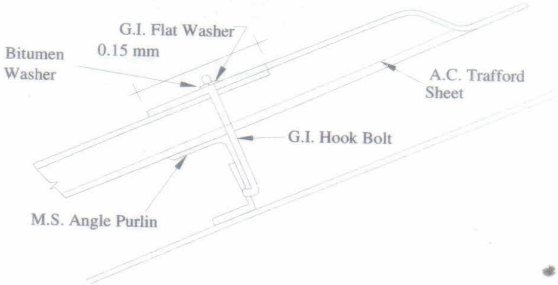


FIG.10.5 (B) FIXING HOOK BOLT / J BOLT TO A.C. SEMI CORRUGATED SHEET

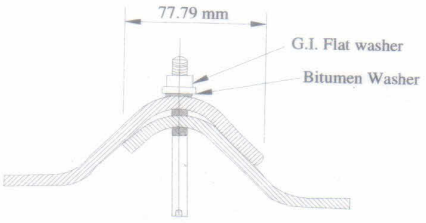


FIG. 10.5 (C) DETAIL OF SIDE LAP AND FIXING

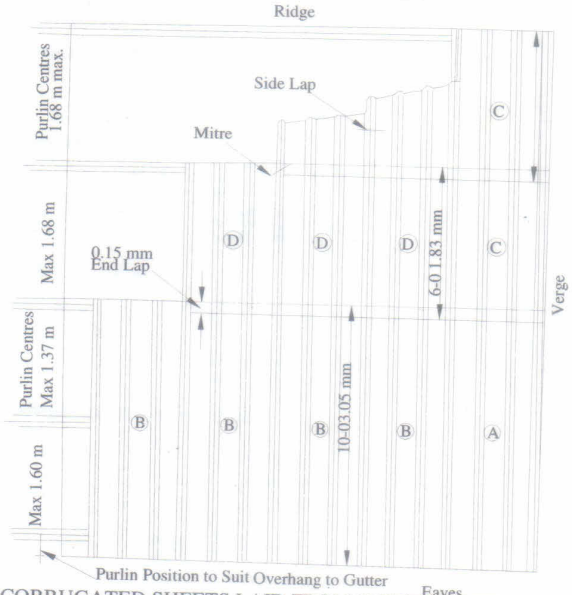


FIG. 10.5 (D) SEMI CORRUGATED SHEETS LAID FROM RIGHT TO LEFT

A = uncut sheet B = top right-hand corner cut C = bottom left-hand corner cut

D = top right-hand corner and bottom left -hand corner cut.

RIDGES AND HIPS OF AC SHEET ROOFING
EXPLANATORY FIGURES
FIGURE 10.6 A to H

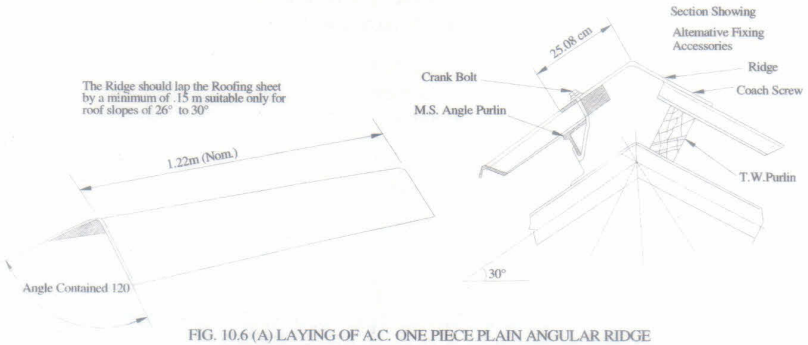


FIG. 10.6 (A) LAYING OF A.C. ONE PIECE PLAIN ANGULAR RIDGE

Adjustable type Ridge Cappings are supplied in pairs-R1 (inner) and R2 (outer). These ridges have certain serrations painted black and when fixing, these serrations should be arranged at side lap joints of the sheets, in which case the stagger-lapping of the two wings of this ridge will be automatic

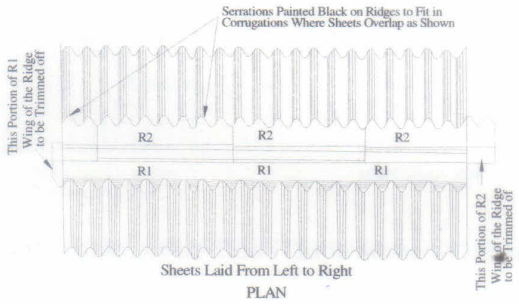


FIG. 10.6 (B) LAYING OF A.C. CORRUGATED SERRATED ADJUSTABLE RIDGES

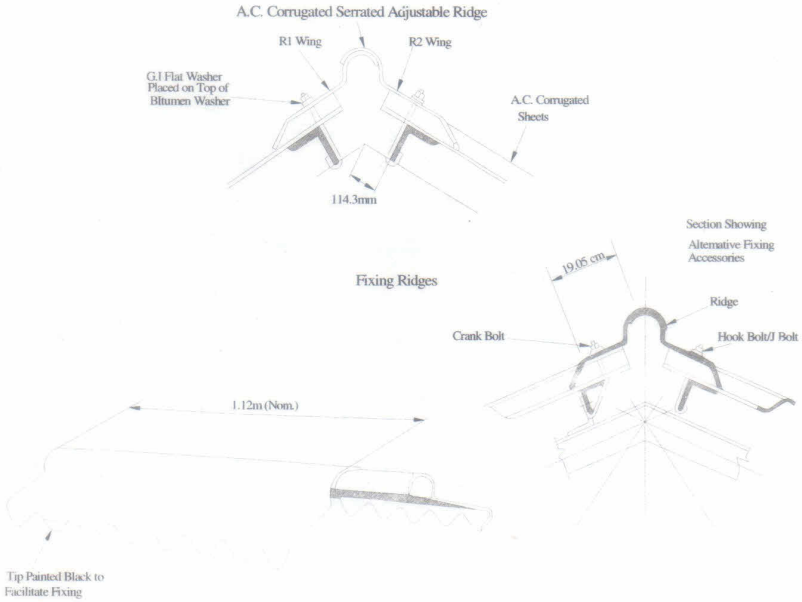


FIG. 10.6 (B) CONTD. LAYING OF A.C. CORRUGATED SERRATED ADJUSTABLE RIDGES

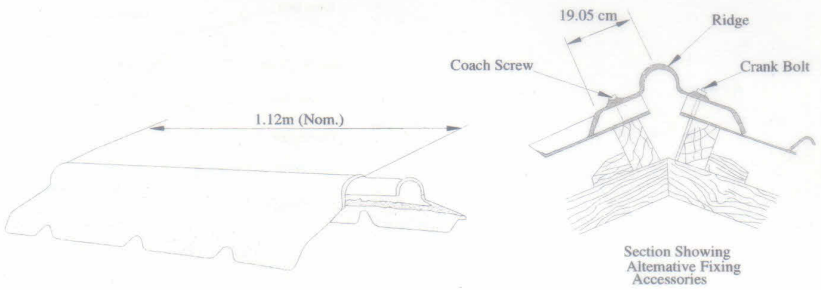


FIG. 10.6 (C) LAYING OF AC CORRUGATED SERRATED ADJUSTABLE RIDGE

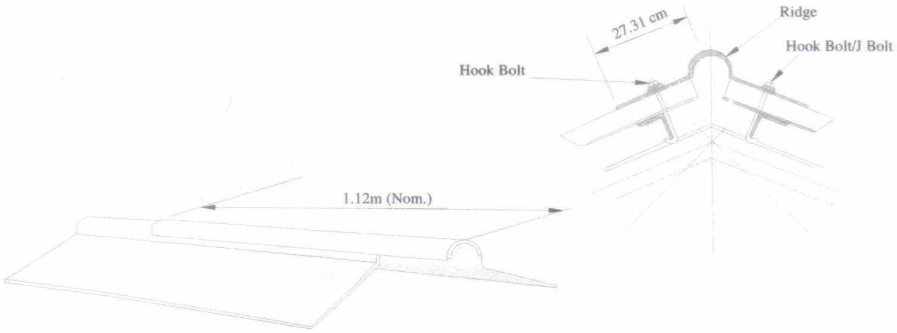


FIG. 10.6 (D) LAYING OF AC PLAIN WING ADJUSTABLE RIDGE

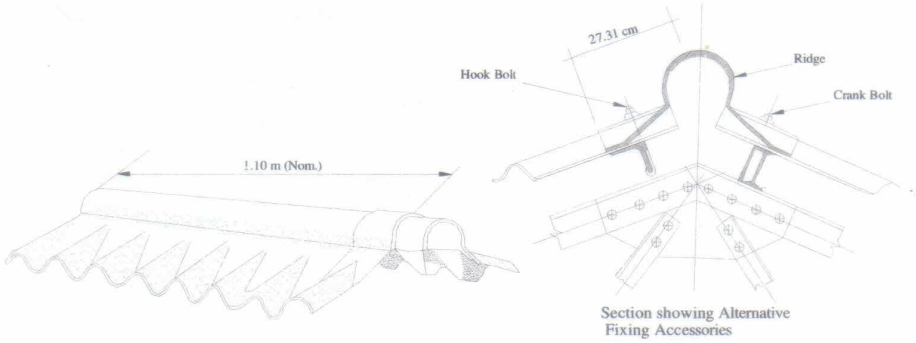


FIG.10.6 (E) LAYING OF AC CORRUGATED CLOSE FITTING ADJUSTABLE RIDGE

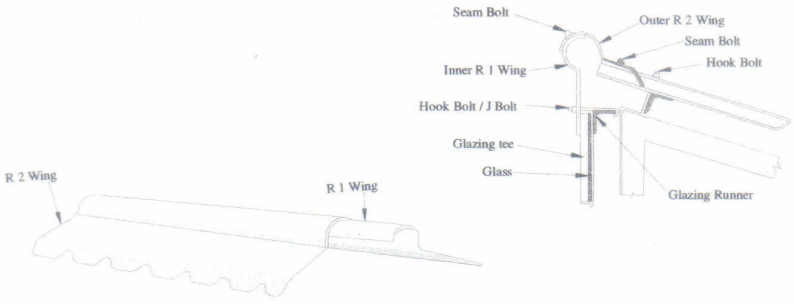


FIG. 10.6 (F) LAYING OF AC CORRUGATED NORTH LIGHT TWO PIECE ADJUSTABLE RIDGE

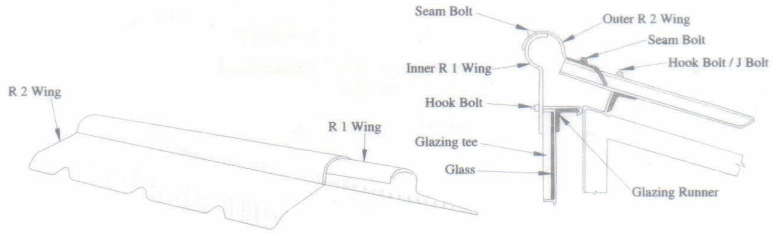


FIG. 10.6 (G) LAYING OF AC SEMI CORRUGATED NORTH LIGHT TWO PIECE ADJUSTABLE RIDGE

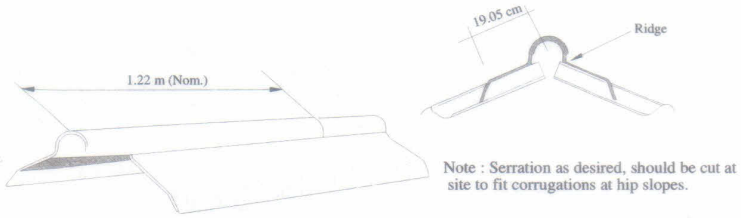


FIG. 10.6 (H) LAYING OF AC UNSERRATED ADJUSTABLE RIDGE FOR HIPS

AC SHEET ROOFING - OTHER ROOFING ACCESSORIES AND MANNER OF FIXING

FIGURE 10.7 A to R

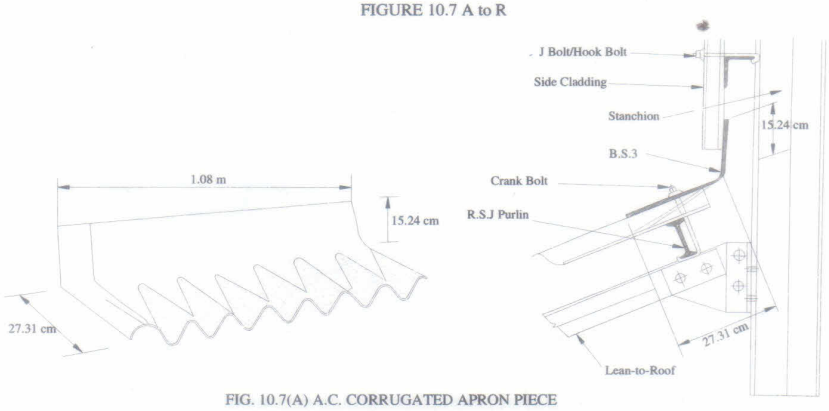


FIG. 10.7(A) A.C. CORRUGATED APRON PIECE

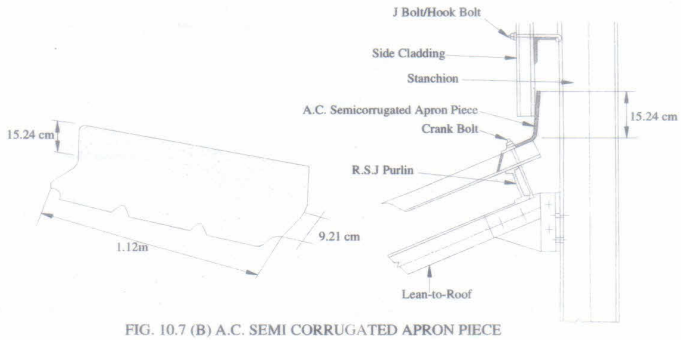


FIG. 10.7 (B) A.C. SEMI CORRUGATED APRON PIECE

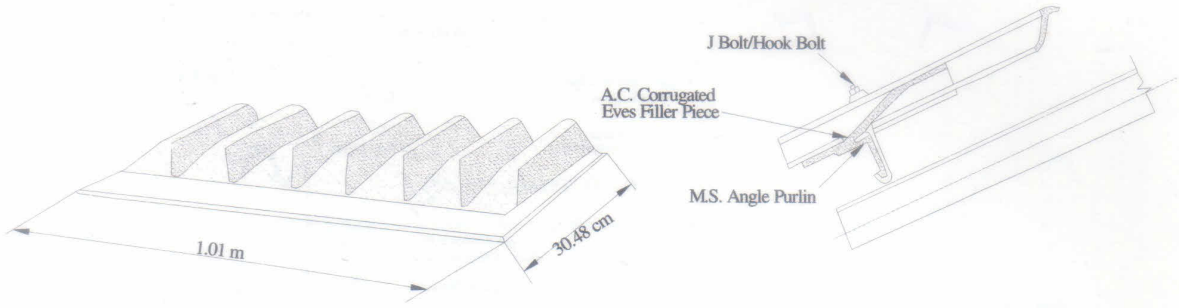


FIG.10.7 (C) A.C. Corrugated Eaves Filler Piece

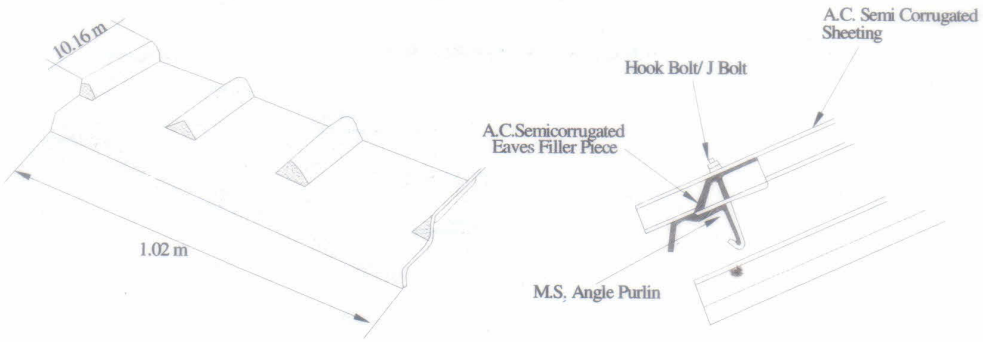


FIG.10.7 (D) A.C Semi-Corrugated Eaves Filler Piece

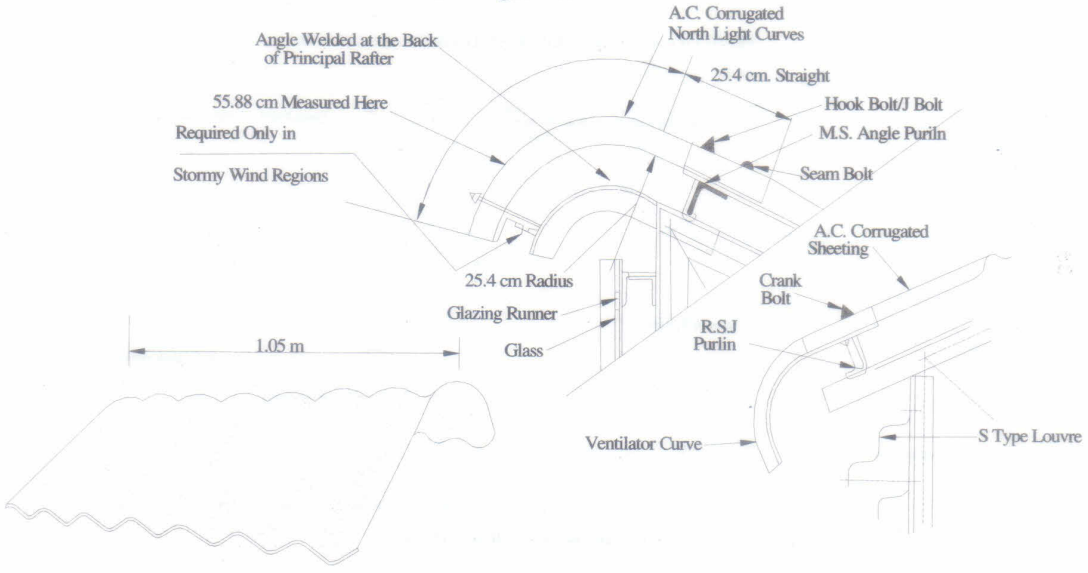


FIG.10.7 (E) A.C. Corrugated North Light Curves

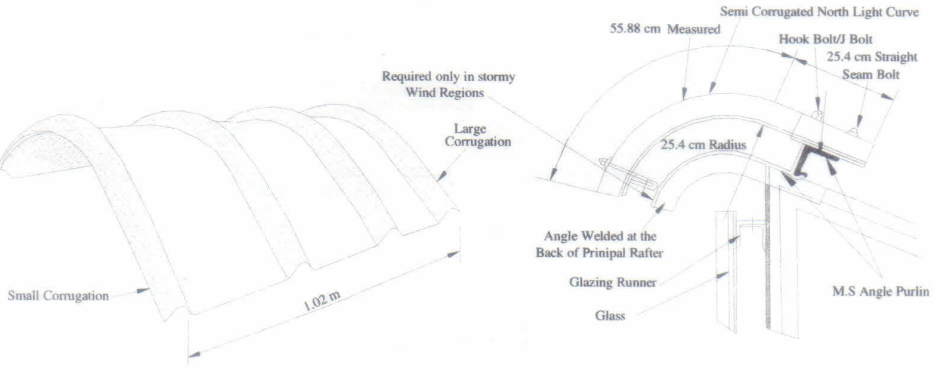


FIG.10.7 (F) A.C. SEMI CORRUGATED NORTH LIGHT CURVE

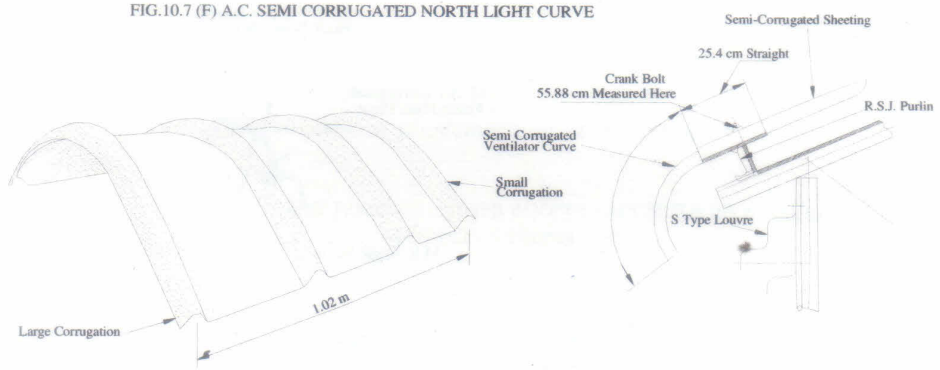


FIG.10.7 (G) A.C. SEMI CORRUGATED VENTILATOR CURVE

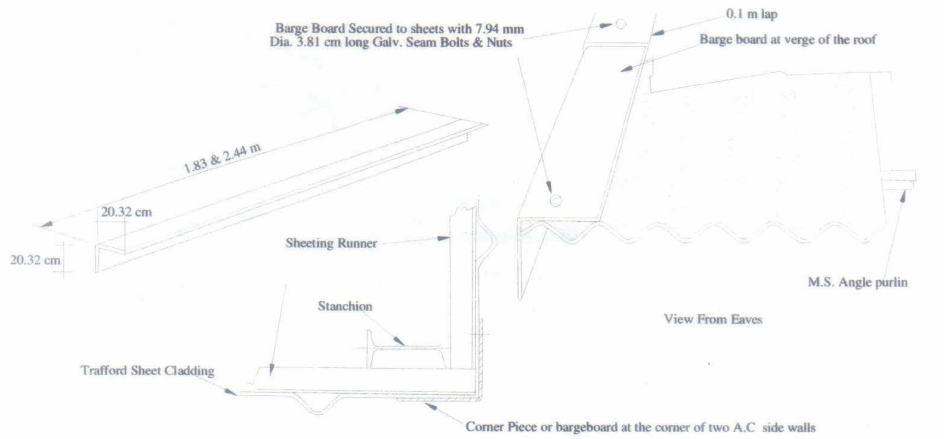


FIG. 10.7 (H) A.C. BARGE BOARD OR CORNER PIECE

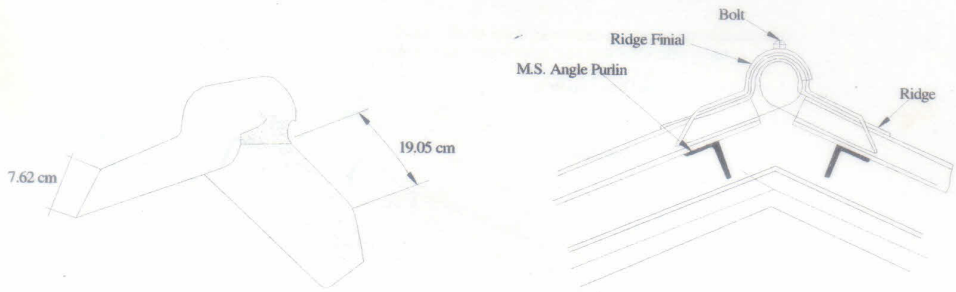


FIG. 10.7 (I) RIDGE FINIAL

For use with all Ridges Except close fitting adjustable ridge and one piece plain angular ridge

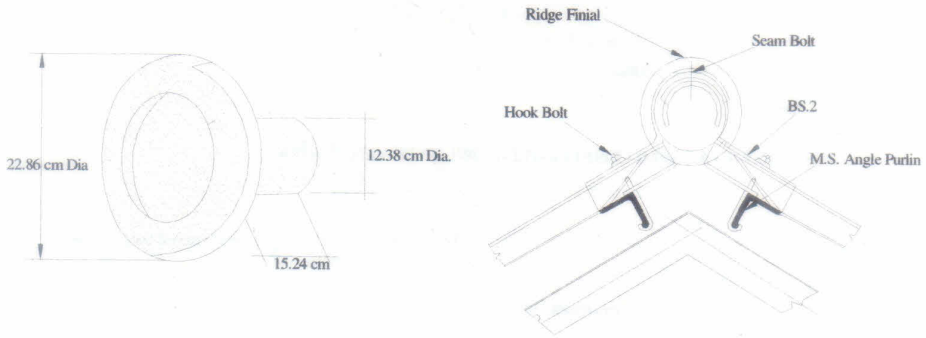


FIG. 10.7 (J) AC RIDGE FINIAL

For use Adjustable Ridge

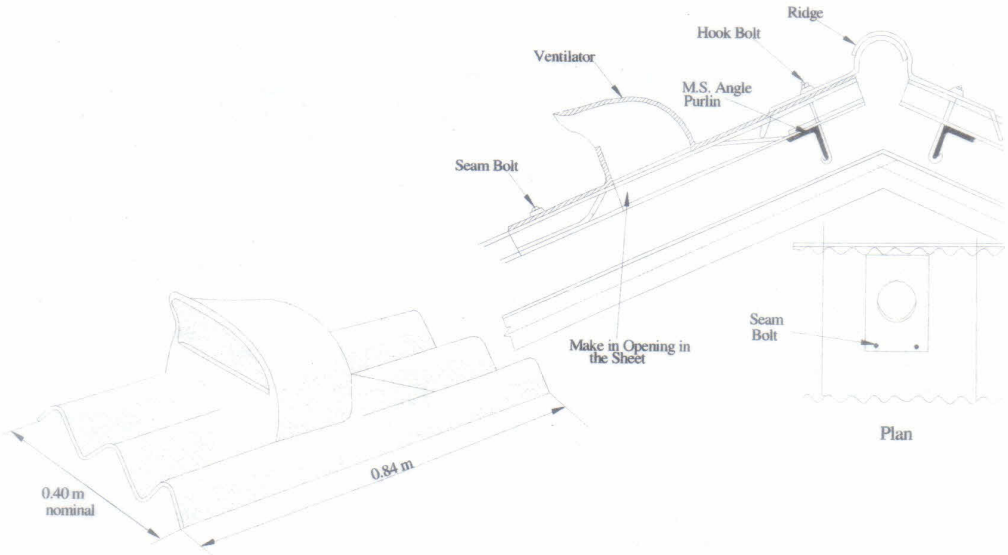


FIG.10.7 (K) AC CORRUGATED COWL TYPE VENTILATOR

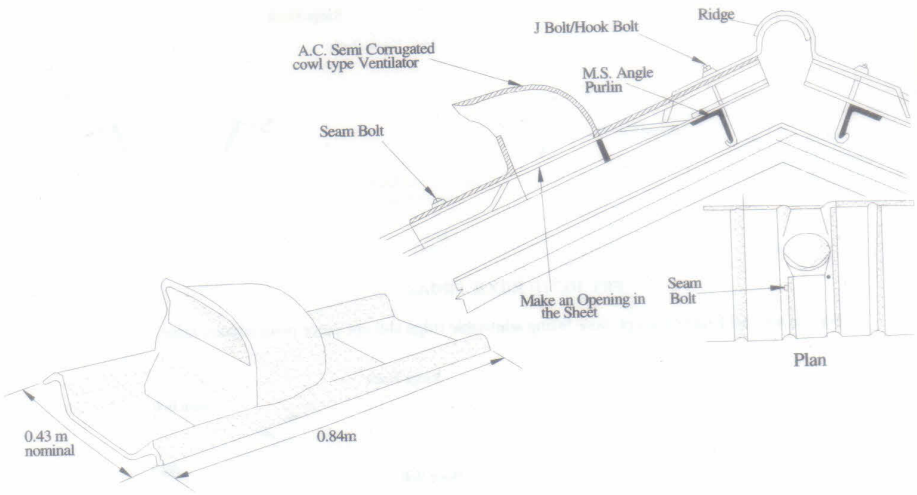


FIG. 10.7 (L) AC SEMI CORRUGATED COWL TYPE VENTILATOR

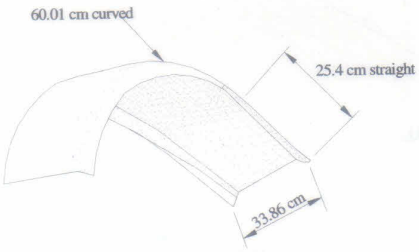


FIG. 10.7 (M) Expansion joint for Northlight Curves

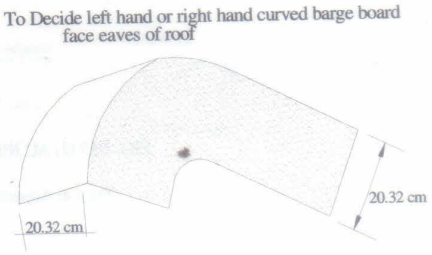
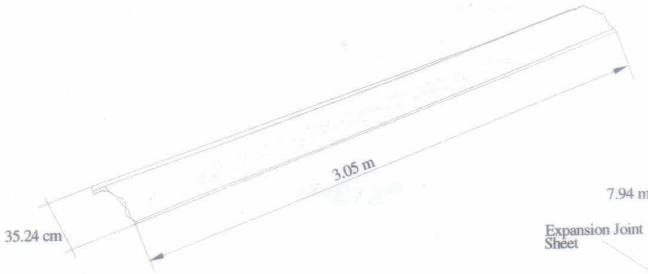


FIG. 10.7 (N) Curved Bargeboards for Northlight Curves Left Hand/Right hand



The end lap of Exparsion joints is the same as that of the Roofing sheets i.e. usually 150 mm If Expansion joints lap between purlins they should be stitched by seam bolts

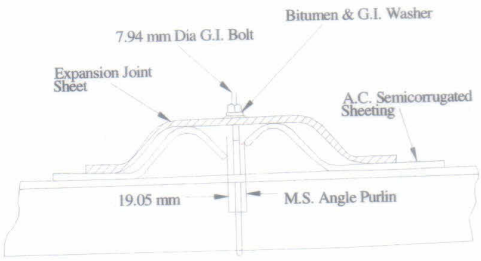


FIGURE 10.7 (O) AC EXPANSION JOINT FOR SEMI CORRUGATED SHEETS

Note : To be used on a semi-corrugated roof alongwith semi-corrugated sheet serrated adjustable ridge

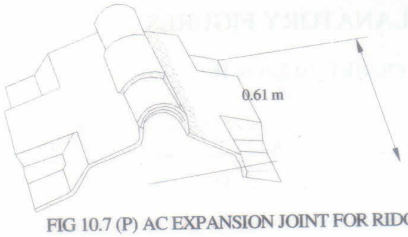


FIG 10.7 (P) AC EXPANSION JOINT FOR RIDGE

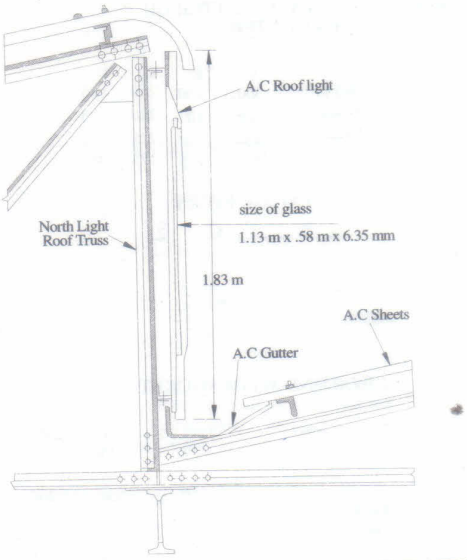


FIG. 10.7 (Q) AC ROOF LIGHTS USED AS NORTHLIGHT GLAZING

The area of opening admitting light is approximately 30% of a Asbestos Cement sheet as laid. By comparison with full glass glazing the advantages of an A.C Rooflight used as glazing are the elimination of glazing tees, putty, pins and clips.

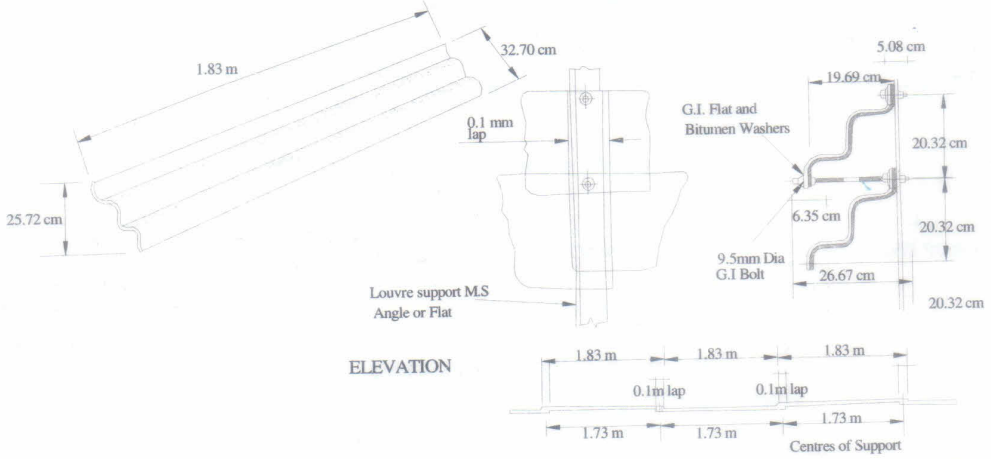
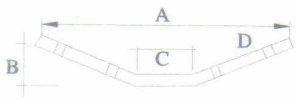


FIG. 10.7 (R) AC 'S' TYPE LOUVRE LINE DIAGRAM AHOWING LAPPING OF LOUVRES

AC GUTTER AND ACCESSORIES ROOFING

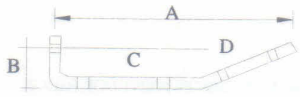
EXPLANATORY FIGURES

FIGURE 10.8 A to H



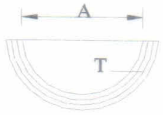
VELLEY GUTTER

Nominal Size	A	B	C	D
900x200x225	900	200	225	12.5
600x150x225	600	150	225	12.5
450x125x150	450	150	225	12.5
480x125x150	400	125	150	12.5



BOUNDARY WALL GUTTER OR EAVES GUTTER

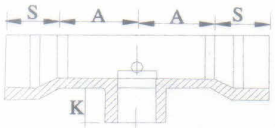
Nominal Size	A	B	C	D
500x150x250	500	150	250	12.5
450x150x300	450	150	300	12.5
300x150x225	300	150	225	12.5
275x125x175	275	125	175	10.0



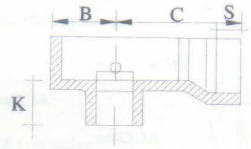
HALF ROUND GUTTER

Nominal Size	A	T
150	150	9.5
250	250	9.5
300	300	9.5

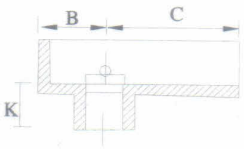
FIG. 10.8 (A) AC GUTTERS



NOZZLE



DROP END WITH SOCKET

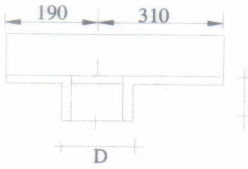


DROP END WITH SPIGOT

FOR HALF ROUND GUTTER

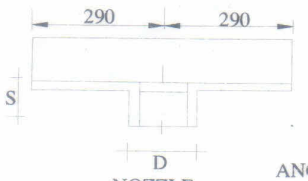
Type of Gutter	Nominal Size	A	B	C	S	K	D
Half Round Gutter	150	150	90	240	70	105	90
						110	100
	250	200	200	300	100	105	90
						110	100
						115	150
	300	200	200	300	100	105	90
						110	100
						115	150
Ogee Gutter	125	150	90	240	70	105	90
						110	100
	200	150	90	240	70	105	90
						110	100
						115	150

For Boundary Wall & Valley Gutter

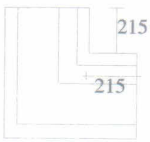


DROP END

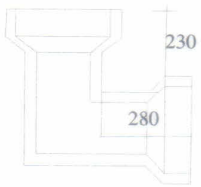
S	D
105	90
110	100
115	150



NOZZLE



ANGLE FOR BOUNDARY WALL GUTTER



ANGLE FOR HALF ROUND GUTTER

Drawings are not to scale

FIG.10.8 (B) GUTTER ACCESSORIES

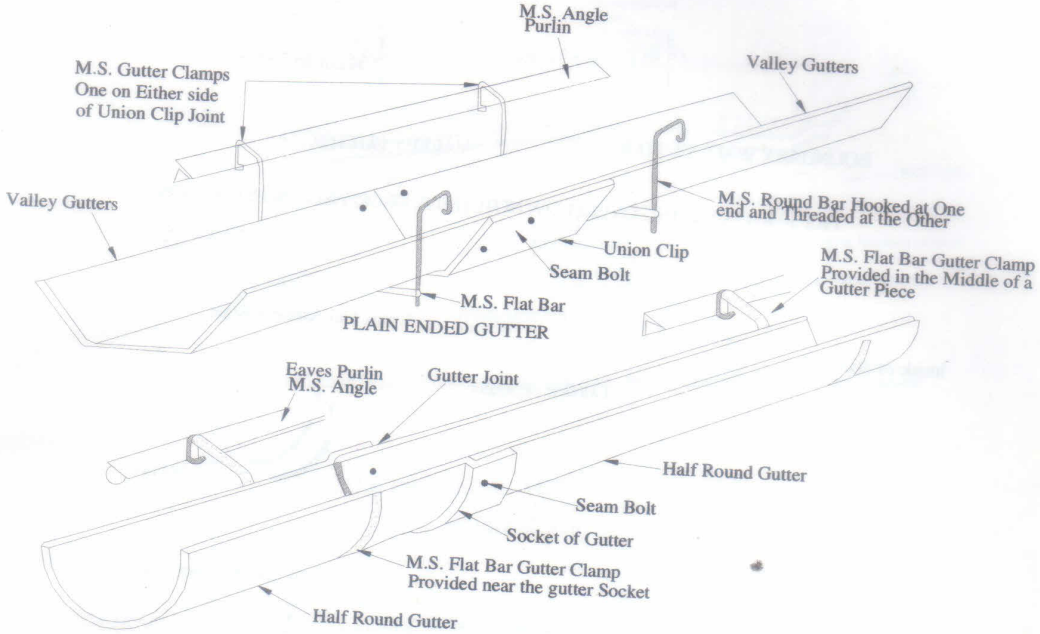


FIG. 10.8 (C) SIPGOT & SOCKET END GUTTER-POSITION OF GUTTER BRACKETS

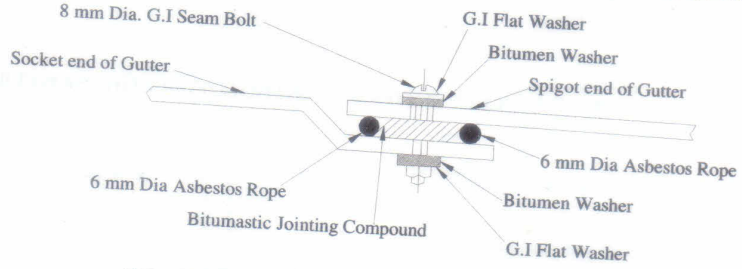


FIG. 10.8 (D) Method of Joing Spigot & Socket end Gutters & Accessories

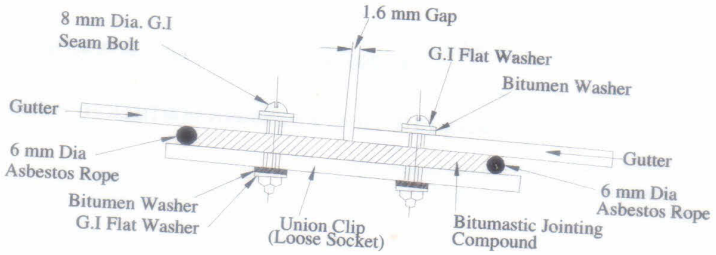


FIG.10.8 (E) Method of Joining Plan Ended Gutters & Accessories

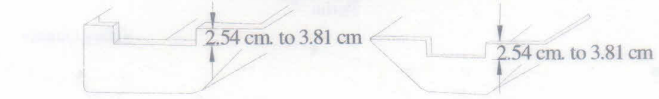


FIG. 10.8 (F) CUTTING OVERFLOW NOTCH FOR DROPENDS AND STOPENDS

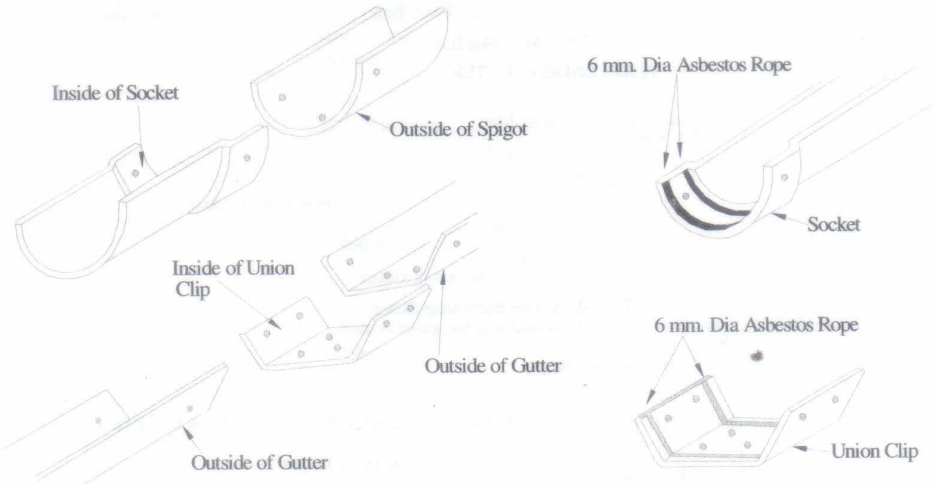


FIG. 10.8 (G) SPIGOT & SOCKET GUTTER & PLAIN END GUTTER WITH UNION CLIP

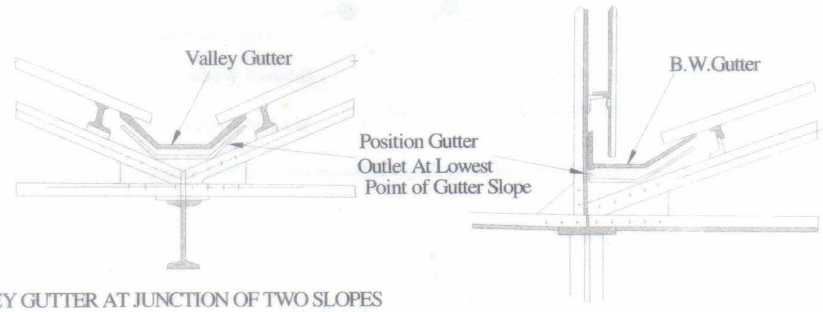
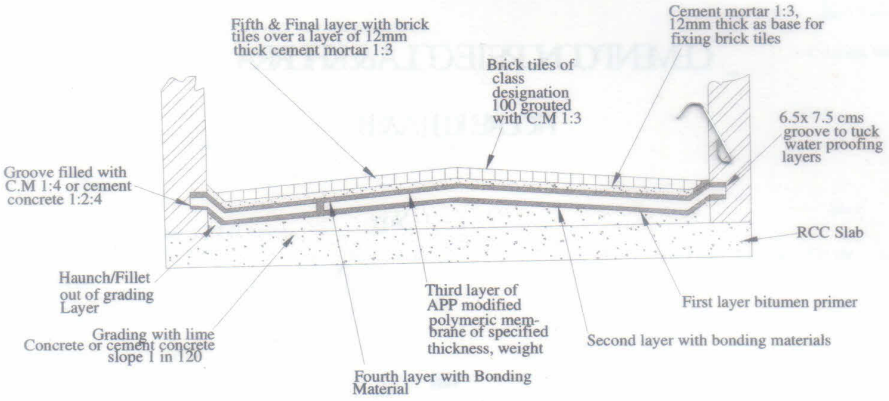


FIG. 10.8 (H) POSITIONING OF GUTTER AT JUNCTION & NORTH LIGHT PORTION

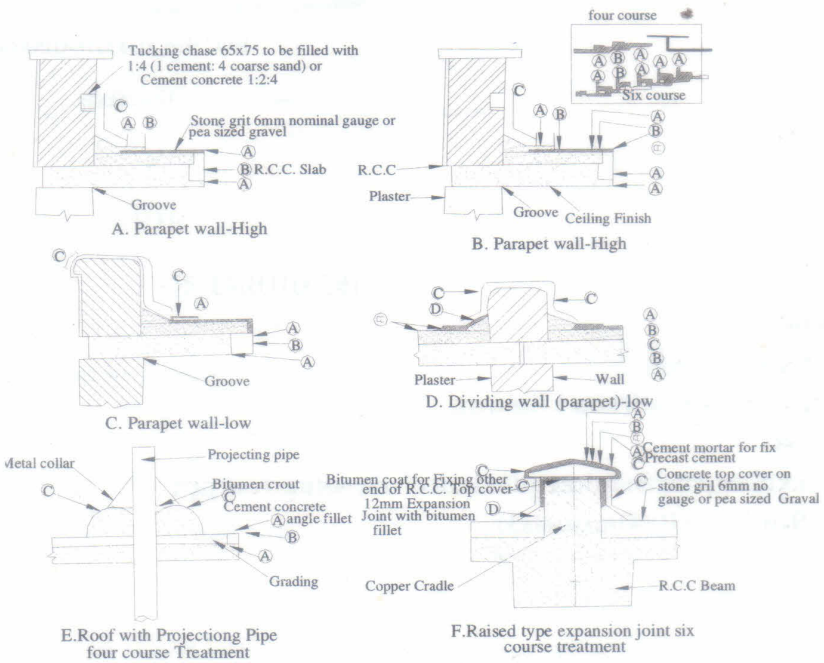
FIGURE 10.10 A



Five Course Water Proofing Treatment with APP Modified Polymeric Membrane

WATER PROOFING WITH BITUMEN FELT

FIGURE 10.10 B



Ⓐ Bitumen at 1.45 kg/m2
Ⓑ Bitumen Felt @ Bitumen at 1.20 kg/m2
Ⓒ Bitumen primer 8 coats
Ⓓ 75x75 Angle fillet lime concrete concrete/cement concrete

All dimensions are in mm

Drawings not to Scale

CEMENT CONCRETE GOLA & KHURRA

FIGURE 10.11 A & B

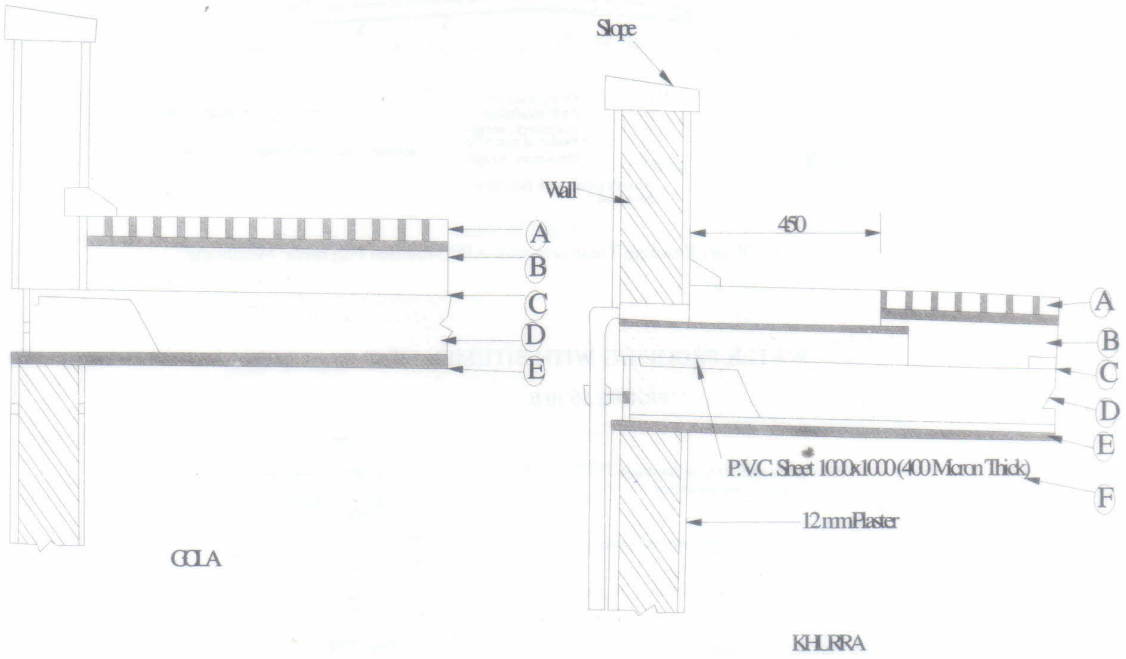


FIG 10.11 A GOLA

FIG 10.11 B KHURRA

(A) Brick Tiles
(B) Mud Phuska/Lime Concrete
(C) Painting with hot bitumen 80/100 at 1.7 kg/sq. cm
(D) R.C.C. Slab
(E) 6mm thick ceiling plaster finished neat and thick coat of white washing or craft paper
(F) P.V.C. Sheet 1000 x 1000 (400 micron thick)

HOLDING CLAMPS FOR CI & AC RAIN WATER PIPES

FIGURE 10.11 & 10.12

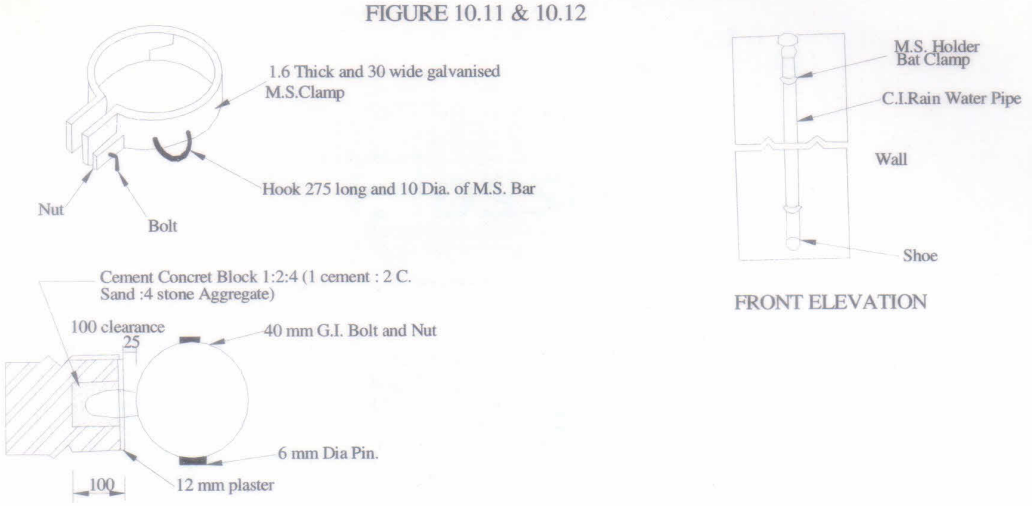
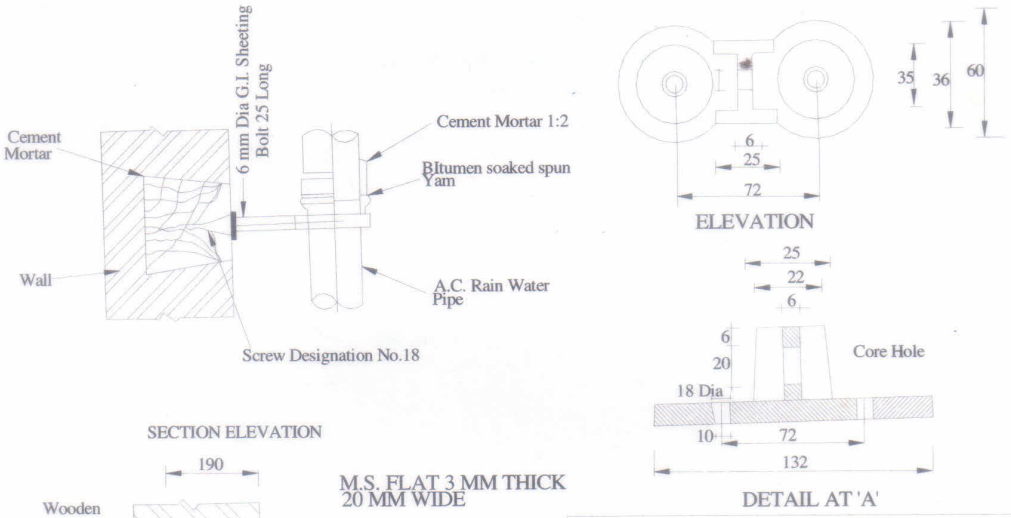


fig 10.11 M.S. HOLDER BAT CLAMP FOR C.I. RAIN WATER PIPE



Dia of Pipe	150mm	80 mm	100 mm
R	30mm	46 mm	58 mm

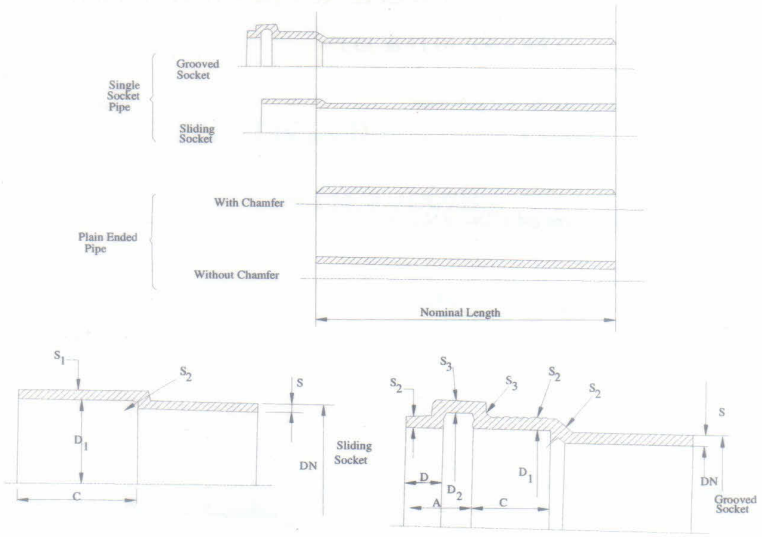
Note : The clamp shall be galvanised throughout

SECTION PLAN fig. 10.12 HOLDER BAT CLAMP FPR AC RAIN WATER PIPE

All dimensions are in mm Drawings not to Scale

UPVC RAIN WATER PIPES

FIGURE 10.13



SLIDING SOCKET DETAILS

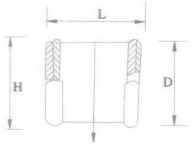
GROOVED SOCKET DETAILS

FITTING FOR UPVC RAIN WATER PIPES

FIGURE 10.14

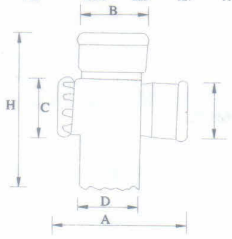
1. Coupler

D	L	H
75	107.0	91.3
110	137.0	127.0



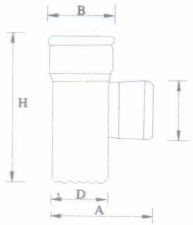
2. Single Tee With Door

D	H	A	B	C
75	190.3	185	91.3	90
110	259.5	225	127	111.4



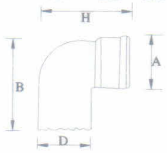
3. Single Tee Without Door

D	H	A	B
75	190.3	136.0	91.3
110	259.5	191.1	127.0



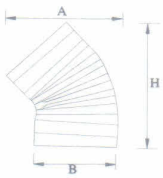
4. Beds 87.5

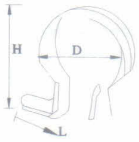
D	H	A	B
75	139.0	91.3	140.0
110	185.4	127.0	187.0



5. Shoe (Plain)

Size	H	A	B
160	273	227	167



6. Pipe Clip

D	H	L
50	70	90
75	114	119
110	140	147
160	198.9	227