

ASSEMBLY INSTRUCTIONS FOR A MKIII VENTILATOR (H-MP)

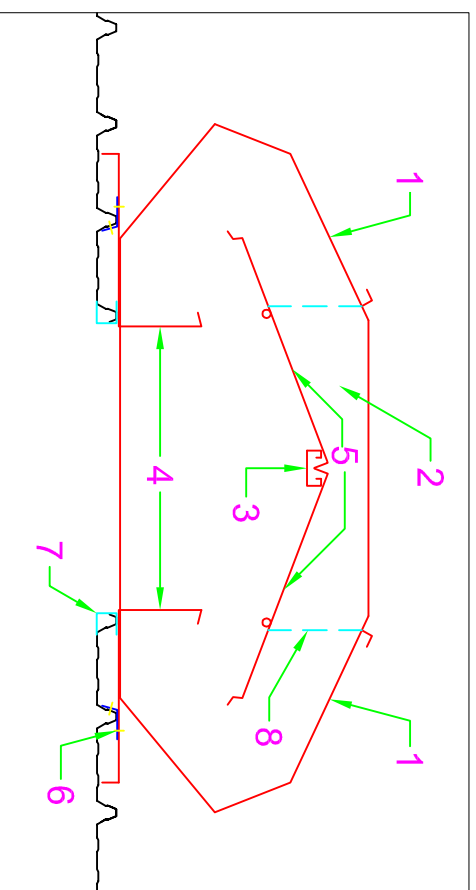



FIG. 1

1. SUCTION BAND
2. END CAP (COMPLETE WITH END GUTTERS)
3. CENTRE RAIN CHANNEL
4. VENTILATOR BASE
5. DOORS
6. S10 FIXING CLIP
7. TRIMMER
8. BIRD MESH (Optional)



FIG. 2

- All joints and overlaps must be sealed with preferably a mastic sealant or a uv/weather resistant silicone

 284 DEKEMA ROAD WADEVILLE GAUTENG P. O. BOX 14003 WADEVILLE 1428 TEL.: 086 111 4356 FAX: 086 749 2709 LEVEL 2 B-BBEE CERTIFIED SOUTH AFRICAN SMOKE VENTILATION ASSOCIATION		DRAWING No. HELM-H-MP-002 REVISION 1 DRAWING ISSUED FOR INFORMATION CONTRACT NAME . CHECKED/DRAWN BY TV DATE DRAWN 23-01-2012	TITLE MKIII ASSEMBLY PAGE 1
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- See fig. 1 on previous page for all part names and terminology.
- Fig. 2 shows an assembled ventilator.
- Ensure that base dimensions are correct and base assembly is square before final fixing is completed
- Follow base assembly as shown in fig. 3. Special care to be taken to ensure the proper method of overlapping the base sides, top and bottom to ensure a weather resistant installation.
- Cut opening in sheeting if not already provided. The sheeting to be cut beyond any support steelwork, to prevent sheeting from not having support at any point.
- Always crank up the sheeting as per the roof sheeting installation to ensure water ingress is mitigated.
- If provided, install trimmers around the cut openings and closures. as shown in fig. 4.
- For Kliplok sheeting s10 clips should be used to fix the sheeting to the ventilator or as per the roofing contractors agreement.

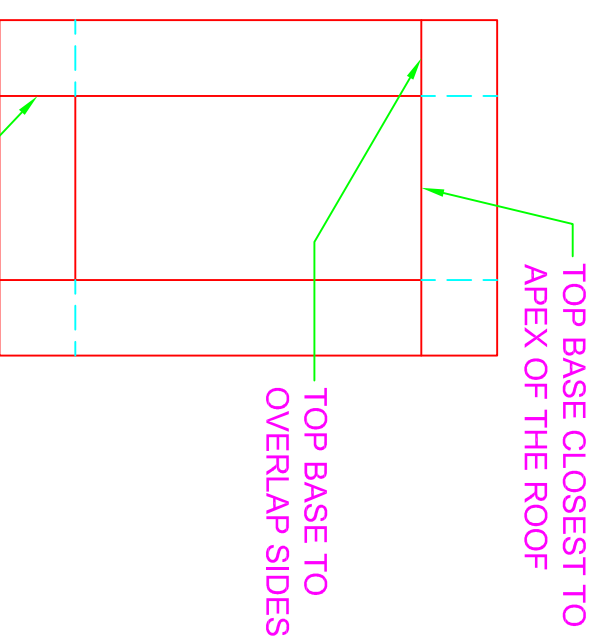


FIG. 3
BOTTOM BASE TO BE OVERLAPPED BY SIDE BASES

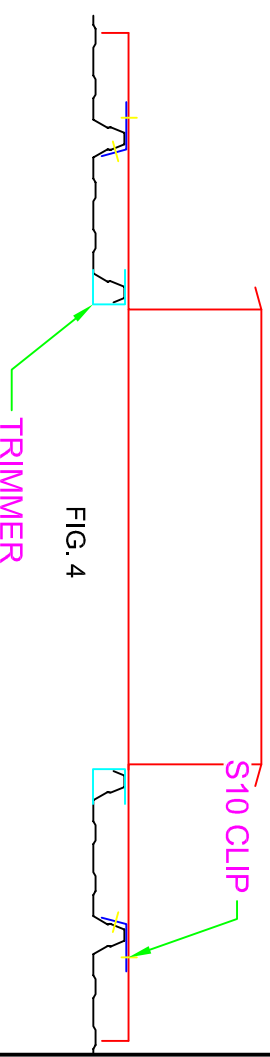

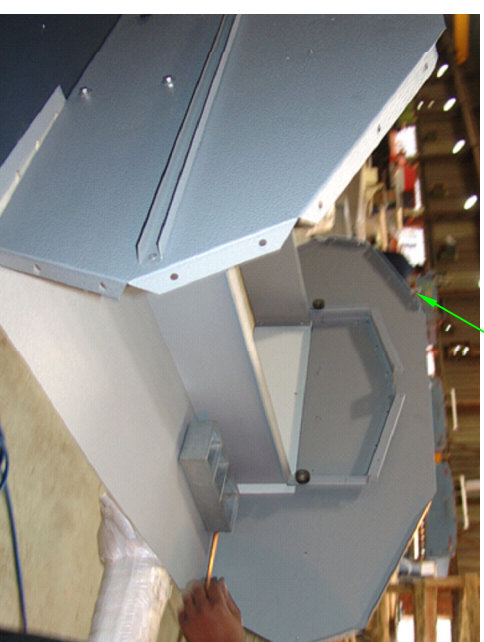


FIG. 4

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- Starting with the base assembly, fix the end plates complete with end gutters to the base using the fixing points provided. Fig. 5 shows the end plates being added.
- The end gutter is pre-fitted in the factory. Check for any loose parts after transportation of goods.
- Fix the center rain channel in place with sufficient sealant at either end between mountings and the channel to prevent leakage. Fig 6 shows the center rain channel in place.
- Fit the ventilators doors at the fixing points provided as shown in fig. 7. Care should be taken not to damage the pivot point of the doors. This pivot point may also be slightly lubricated / greased.
- The doors should open and closed freely with no obstructions at this point of the installation



END PLATES WITH
PRE-ASSEMBLED END
GUTTERS

FIG. 5





VENTILATOR DOOR
BRACKET AND PIVOT

FIG. 7



CENTER RAIN CHANNEL

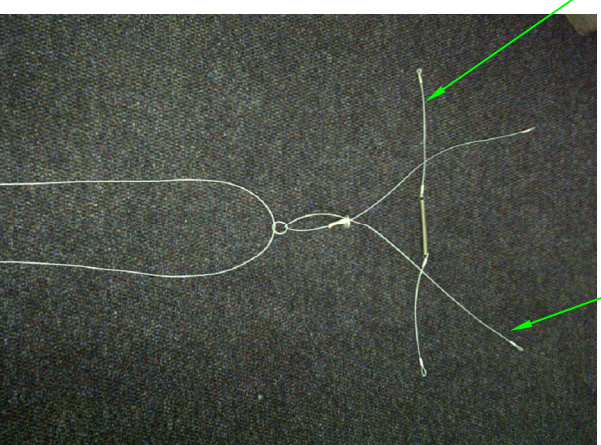
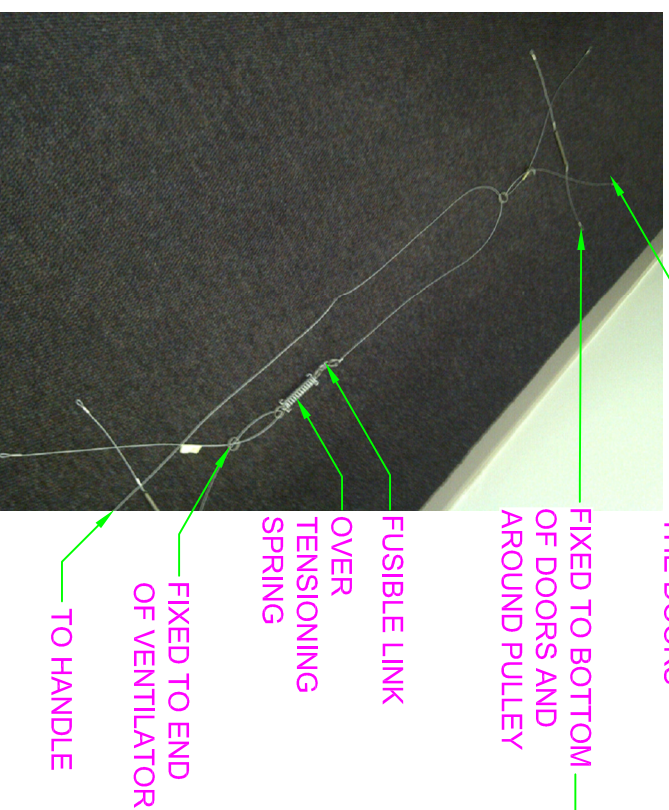
FIG. 6

  <small>SOUTH AFRICAN SMOKE VENTILATION ASSOCIATION</small>		284 DEKEMA ROAD WADEVILLE GAUTENG P. O. BOX 14003 WADEVILLE 1428 TEL.: 086 111 4356 FAX: 086 749 2709		LEVEL 2 B-BBEE CERTIFIED	
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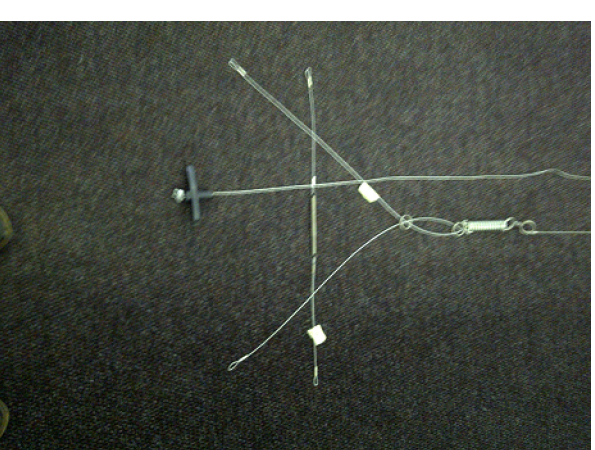
- Fit the suction bands to either side of the ventilator as per fig. 8. This will also stiffen up the assembly at this point.
- At this point the (optional) bird mesh can be installed between the doors and the suction band.
- All joints and overlaps on the ventilator must be sealed with preferably a mastic sealant or a uv/weather resistant silicone with care to be taken not to restrict any of the the moving parts of the ventilator.



FIG. 8



TOP SECTION OF CABLE ASSEMBLY



BOTTOM SECTION OF CABLE ASSEMBLY

FIG. 9

CABLE ASSEMBLY AS IT SHOULD BE ONCE FITTED TO VENTILATOR

284 DEKEMA ROAD
WADEVILLE
GAUTENG
P. O. BOX 14003
WADEVILLE 1428
TEL: 086 111 4356
FAX: 086 749 2709

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- The cable assembly consists of sub-assemblies as shown in fig. 9 &10
- Fix the bottom door spring as shown to the bottom of the doors. These cables to be placed around the pulleys fixed to the end rain channels. These springs will hold the doors open. (Please note the bottom door springs shown out of position for clarity of assembly.)
- Fix the top door cable to the top of the door on the bracket provided. This cable to go from the top of the left door down through the key ring 2 in bracket 1 as shown creating a loop for key ring 1 to be fitted. The other side has a ferrule in place of the key ring 1 as per fig. 9 & 10. From the ferrule install the following sub-assembly, through cable to a fusible link to a over tensioning spring, through key ring 1 and back out the plastic grommet in the end plate.
- Fit the handle to the cable assembly on the outside of the ventilator with doors open. Pull the handle until the doors are fully closed and the over-tensioning spring slightly compressed, fit handle into the bracket provided. This function takes up the slack caused by heat expansion and contraction.
- Over time this assembly should be checked at regular intervals and that the ventilator is functioning as per design.

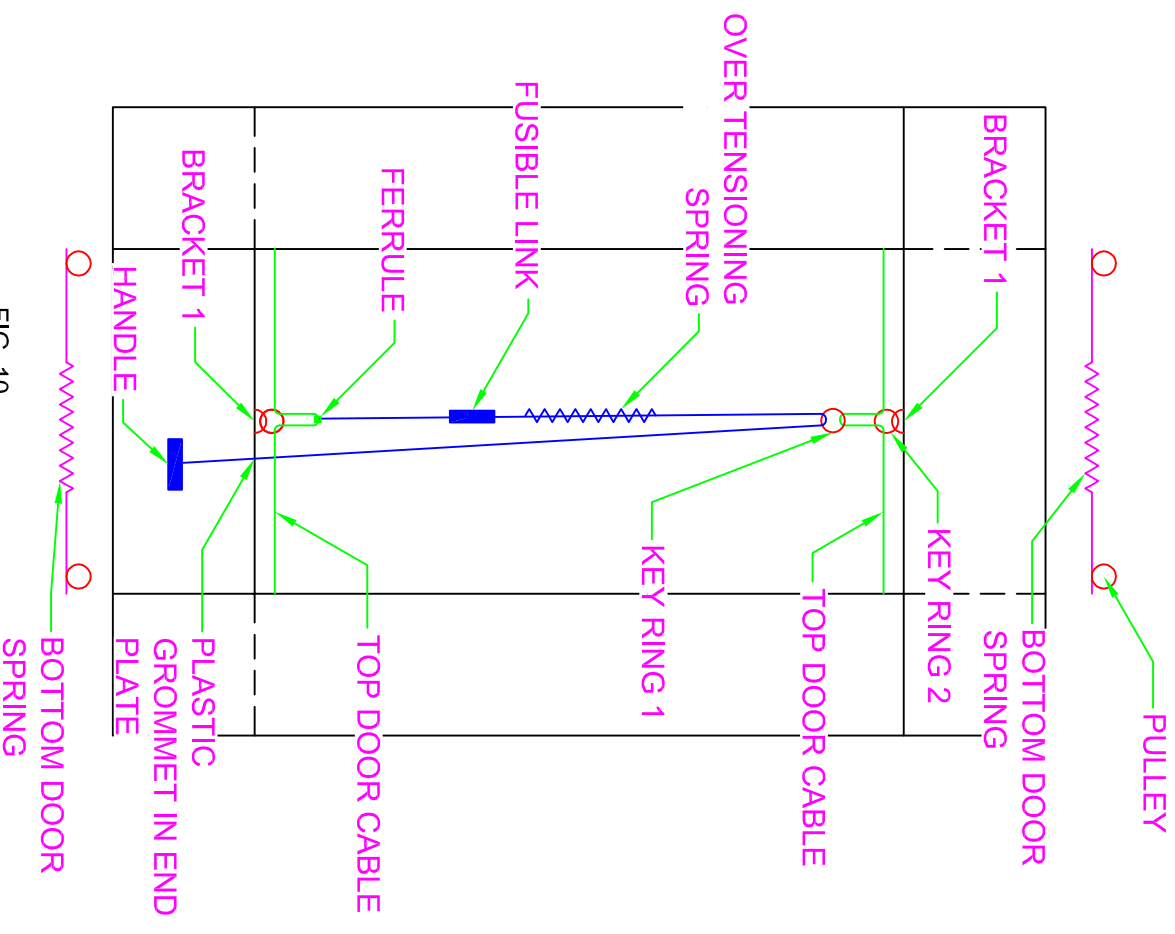


FIG. 10

284 DEKEMA ROAD WADEVILLE GAUTENG P. O. BOX 14003 WADEVILLE 1428 TEL.: 086 111 4356 FAX: 086 749 2709		helm <small>Engineering (Pty) Ltd.</small>		SASVA <small>SOUTH AFRICAN SMOKE VENTILATION ASSOCIATION</small>	
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