
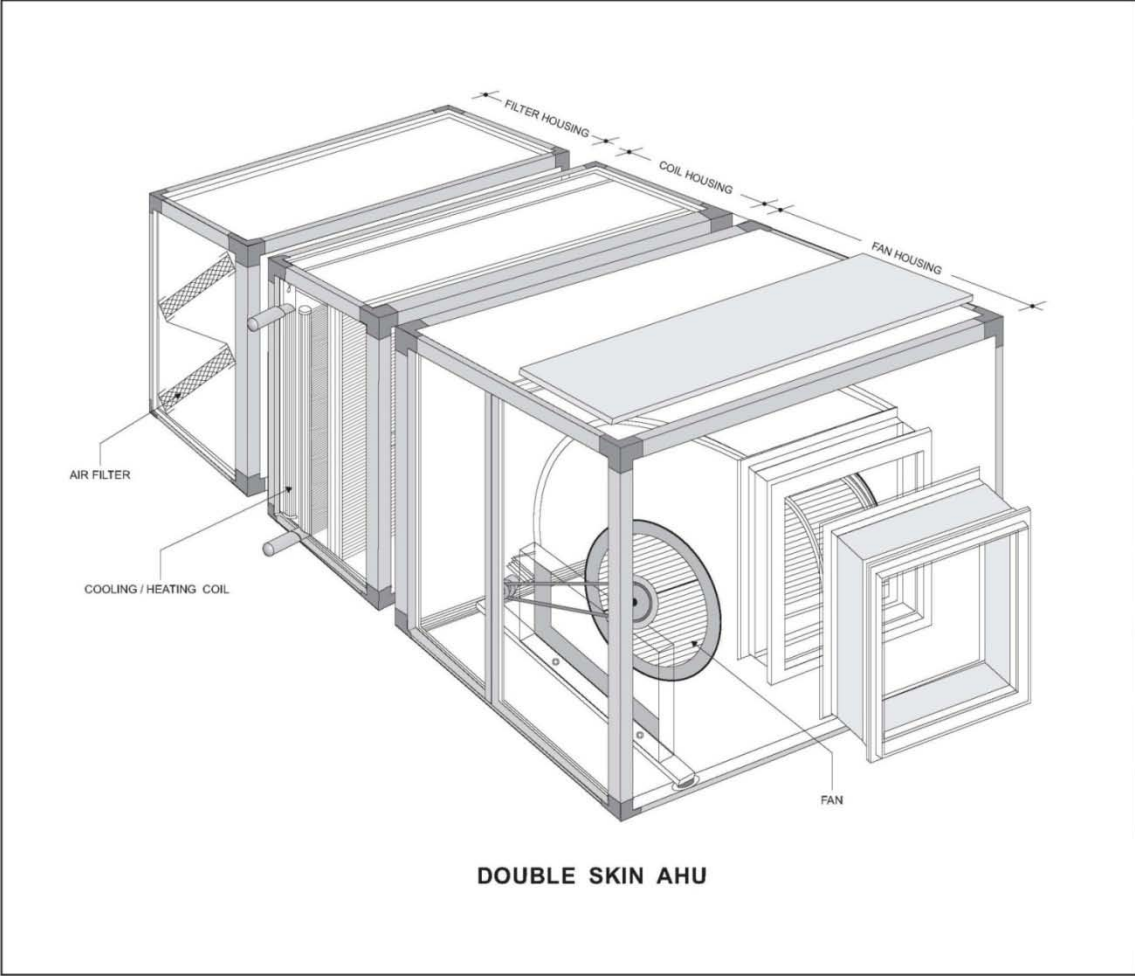


**NEW PRODUCTION BLOCK
HVAC LAYOUT**

	
PROJECT : BHARAT HEAVY ELECTRICALS LTD BANGALORE	
DRG. TITLE : 20000 MW PROJECT	
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DOUBLE SKIN AHU

NOTE :
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PROJECT :	 BHARAT HEAVY ELECTRICALS LTD BANGALORE
DRG. TITLE :	20000 MW PROJECT NEW PRODUCTION BLOCK
THIS DRG. :	TYPICAL ARRANGEMENTS DOUBLE SKIN AHU - COMPONENTS

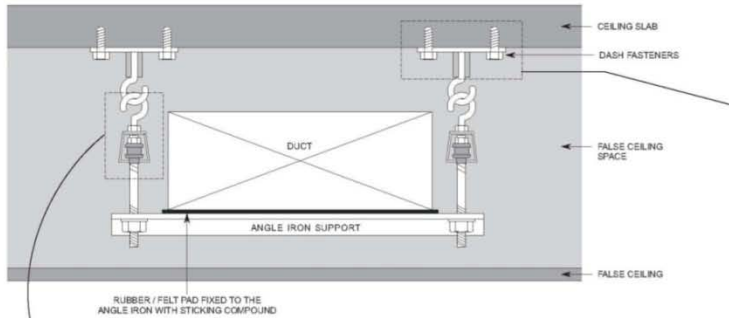


FIG-01-a : SUSPENDING ARRANGEMENT FOR DUCT

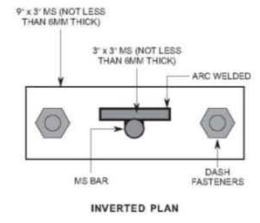


FIG-01-c : GROUTING ARRANGEMENT

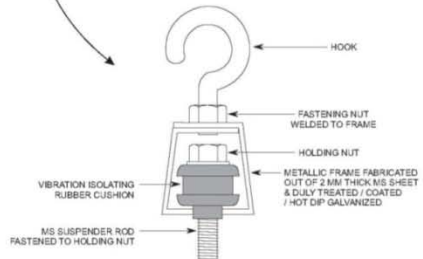


FIG-01-b : VIBRATION ISOLATOR

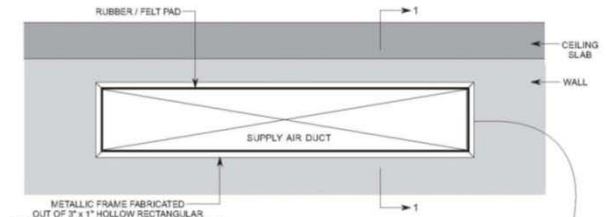


FIG-02-a : METALLIC FRAME AROUND DUCT

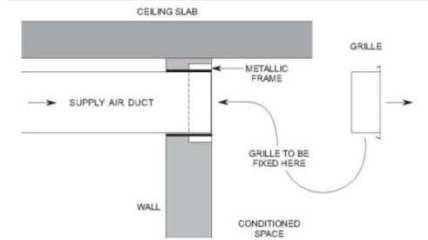


FIG-02-b : SECTION '1-1'

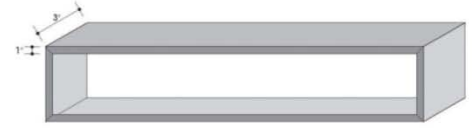

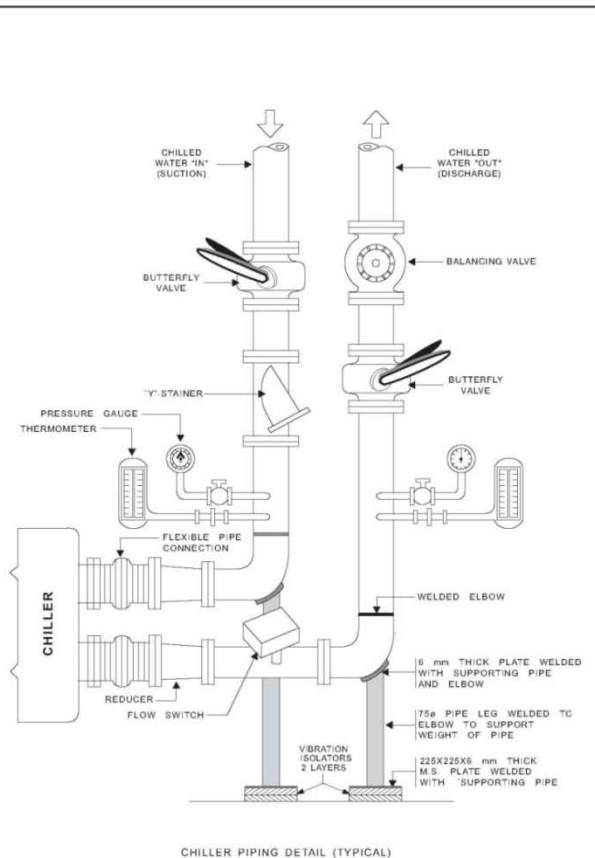


FIG-02-c : METALLIC FRAME

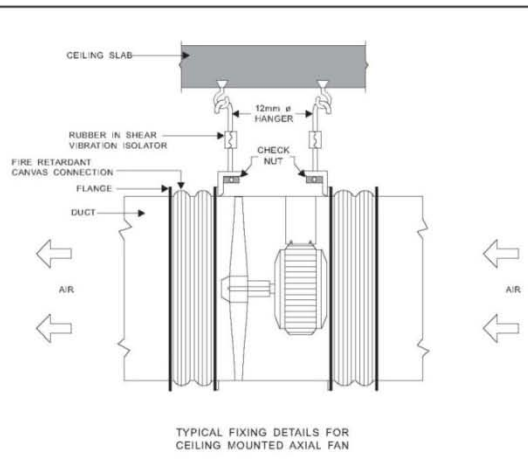
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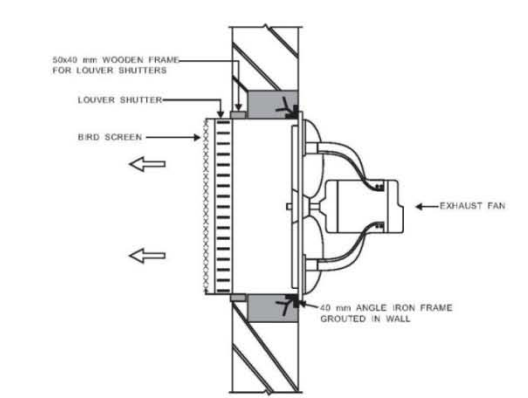
CHILLER PIPING DETAIL (TYPICAL)

FIG: 01



TYPICAL FIXING DETAILS FOR CEILING MOUNTED AXIAL FAN


FIG: 02



TYPICAL FIXING DETAILS FOR WALL MOUNTED EXHAUST FAN

FIG: 03

NOTE :
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DRG. TITLE :	20000 MW PROJECT NEW PRODUCTION BLOCK
THIS DRG. :	TYPICAL ARRANGEMENTS CHILLING MACHINE PIPE CONNECTION & PROPELLER FAN DETAILS

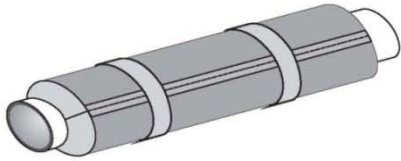


FIG: 1 a. : GENERAL ARRANGEMENT OF APPLYING INSULATION ON PIPES RUNNING ABOVE GROUND IN COVERED SPACES OR IN DRY SHAFTS.

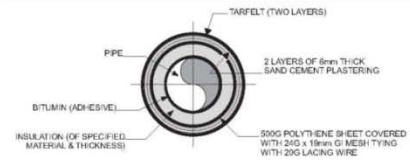


FIG:1 b. : PIPES RUNNING UNDER GROUND

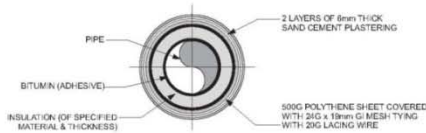
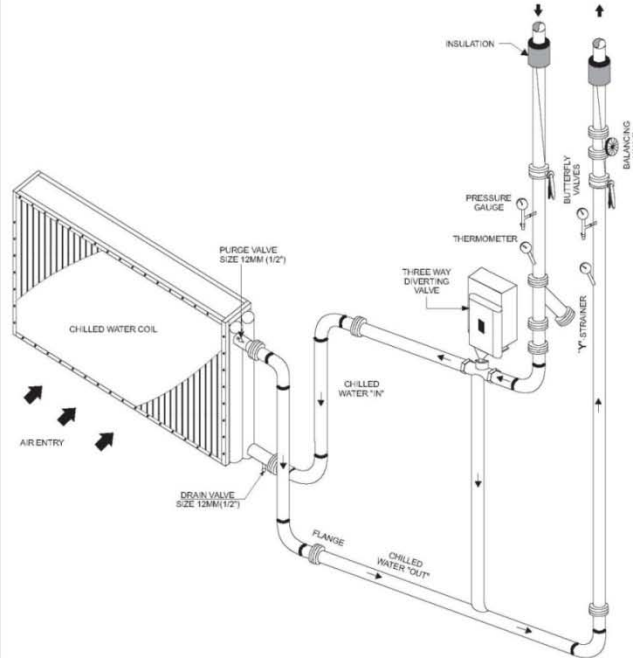


FIG: 1 c. : PIPES RUNNING ABOVE GROUND (EXPOSED TO WEATHER)

NOTE : THE ABOVE FIGURES SHOW ARRANGEMENT OF APPLYING INSULATION ON CHW PIPE.

- i. FIG. 1 a. SHOWS GENERAL ARRANGEMENT OF APPLYING INSULATION ON PIPE RUNNING OVERHEAD IN COVERED SPACES OR IN DRY SHAFTS.
- ii. FOR PIPES RUNNING BURIED UNDERGROUND, INSULATION WILL BE APPLIED IN SAME WAY AS IN FIG 1 a. BUT IT WILL BE FURTHER WRAPPED WITH 500G POLYTHENE SHEET COVERED WITH 24G x 19MM GI MESH TYING WITH 20G LACING WIRE. COVERED WITH TWO LAYERS OF 6MM THICK SAND CEMENT PLASTERING AND FINALLY COVERED WITH TWO LAYERS OF TARFELT.
- iii. FOR PIPES RUNNING EXPOSED TO WEATHER OR ON OPEN TERRACE. SAME PROCESS WILL BE REPEATED AS AT SL. NO. ii ABOVE UPTO APPLYING THE CEMENT PLASTER. AFTER THAT TWO COATS OF APPROVED QUALITY WATER RESISTANT PAINT WILL BE APPLIED ON THE FINISHED SURFACE.



TYPICAL AHU CONNECTION WITH 3-WAY DIVERTING VALVE

FIG: 02

NOTE :
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SHOP DRAWINGS

GA

BHEL

PROJECT :



BHARAT HEAVY ELECTRICALS LTD
BANGALORE

DRG. TITLE :

20000 MW PROJECT
NEW PRODUCTION BLOCK

THIS DRG. :

TYPICAL ARRANGEMENTS
PIPE INSULATION &
AHU CONNECTION