

NAME :
CONTACT NO :
DEPARTMENT :

Date:
Time:

S No	Activity	Key Learning									Marks Total	Scored Mark in DUCTING/75
1	Materials knowledge for ducting (about specification and Application)	Underdeck insulation	Thermal insulation	Acoustic insulation	Duct (shape , type and typical duct connection & type of air ducts)	Grilles, diffusers and registers	Canvas	Dampers	Sound attenuators and CTS	Supports materials	9	
2	Underdeck insulation (thermocol slap, XLPE puff sheet, phenolic panels)	Measurements and cutting	Pasting	Oriented Drilling	Fixing						4	
3	Installation of all Indoor units	Dimensions	Marking	Drilling	Supports	Lifting	Slope levelling	Protection (cover &cotton box)	Disconnection of PCB & control		8	
4	Acoustic insulation (glass wool rigid board, open cell nitrile rubber)	Measurement	Cutting / Pasting	Drilling	Supports						4	
5	Thermal insulation (closed cell nitrile rubber, XLPE puf sheet,	Measurement	Cutting / Pasting	ALU tapping & rubbing	Supports						4	
6	Calculation of required materials for ducting work	Study of Drawing (plan & section)	Supports	Insulation materials	Screws and 6mm bolt nut						4	
7	Installation of GI Ducting	Study of drawing	Casket and cleat	Assembly at Floor level	Marking	Drilling	Supports from RCC	Supports from Tress	Lifting	Alignment	9	
8	Installation of GI Ducting branch and collar work	Study of drawing	Measurements	Marking	Cutting	Turning vanes	Flexible duct connections	Installation			7	
9	GI Ducting leak test	Elect. light test	Smoke test	Pressure test	Leak arrest						4	
10	Installation of Grilles and diffusers	Study of drawing	Measurements	Marking/ cutting	Supports & black tap	Deflection	Installation				6	
11	Installation of Canvass connections	Measurements	Marking/drilling	Installation							3	
12	Installation of damper	Study of drawing	Air flow direction	Locating	Positioning and installation	Ensure the damper louvers is opened					5	
13	Installation of sound attenuator, CTS	Study of drawing	Air flow direction	Positioning and installation							3	
14	Tests and air balancing	CFM test readings	Return air calculation	Check the return air path_ air tight partition	Adjusting dampers and vanes	Check hot air mixing					5	Scored Mark in PIPING/42
15	Materials knowledge for piping (about specification and Application)	Cu pipe and drain pipe	Tubular insulation	Gas cylinders (O2, N2 and acetylene, Argon and Helium)	Rubber bad	Power , control and communication cable	Flare-nuts and sealing tap	Pressure gage and hose	Supports		8	
16	Copper Piping measurement and supports	Study of drawing	Routing	Marking	Drilling	Tubular Insulation	Supports				6	
17	Installation of Copper Piping	Study of drawing	Measurement	VRF System	Settings	Brazing	Welding	Flaring	Weather proofing coat		8	
18	Installation of cable	Control cable	communication cable	VRF System - communication cable							3	
19	Installation of Condensate drain	Measurement	Marking	Drilling	Sleeves	Supports	Routing & slope levelling	U - Trap	Drain pump installation		8	
20	Installation of all Outdoor units	Dimensions	Marking	drilling	Rubber pad	Lifting	Protection				6	
21	Nitrogen Pressure testing, leak testing	N2 Pressure	Leak test with soap water	Leak arrest							3	Scored Mark in ARC WELDING/13
22	Materials knowledge for Arc welding (about specification and Application)	C' -channel, 'L' angle	Electrode rods	Supports	Red oxide/paint						4	
23	Arc Welding	Study of drawing	Measurements	Materials calculation	Material orientation	Cutting / Grinding / painting	Duct supports	Indoor supports / stand	Outdoor supports / stand	Supports from Tress	9	
Total marks											130	
Prepared By											Total scored marks	
GPS											Percentage	
Employees sign												
Authorised Signatory												
GV sir												