

LG DFS Jobsite Checklist

Y	N	GENERAL
		Load calculations were performed and proper equipment selected to meet design loads
		Install manual was reviewed and published installation procedures followed
		IDU & ODU placement is in compliance with all install and service clearance guidelines
		If transient voltage is present a surge protection device is installed
		SIMS service tool was is available and on site during install
		All accessories required for project were acquired and installed as published
		Temperature is being read at a location that best represents the occupied space
		Owner was trained on proper operation, controls, and maintenance

Y	N	PIPING
		Correct refrigerant line sizes were used as determined by the IDU
		All refrigerant lines are insulated independently of each other
		Flare connections performed using a 45° flaring tool
		Manufacturer provided flare nuts were used (do not use 3 rd party flare nuts on line sets)
		Flare connections are torqued to manufactures specifications
		Maximum piping lengths are not exceeded
		Piping lengths to not are not below minimum published
		Excess piping is not coiled or looped
		Piping is properly supported without damaging or restricting insulation

Y	N	WIRING
		Proper wiring used 14/4 Stranded (shielded if potential interference exists)
		L1 & L2 are wired properly (polarity sensitive)
		Verify incoming voltage to ODU/IDU
		NO wire nuts or splices exist within the system
		NON-insulated spade connectors were used
		System is on a dedicated electrical circuit
		Outdoor unit(s) and indoor unit(s) are properly grounded
		System was not energized before service valves were opened

Y	N	CHARGING
		Leak test was performed with dry nitrogen to 550 PSI for minimum of 1 hour
		Nothing but approved leak testing products designed for HVAC systems were used
		Approved evacuation hose was used for leak testing
		Fresh vacuum pump oil was used and replaced if necessary
		Triple evacuation was performed using dry nitrogen. Static micron level held ≤ 500 for 1hr
		Proper trim charged was calculated and WEIGHED to the precise amount
		Trim charge was recorded, written on the inside cover of the ODU or saved in project file
		SIMS tool was connected to the system to verify proper operation