

NVENT HEAT-TRACING INSTALLATION AND INSPECTION RECORD

Facility

Circuit number

Heating cable type

Circuit length

Equipment Location

Equipment ID

QC Agent

Cx Agent

Inspection Date

		Commission			
Inspection date:					
Visual inspection:					
Visual inspection inside connection boxes for signs of overheating, corrosion, moisture, loose connections and other problems					
Proper electrical connection, ground, and bus wires insulated over full length					
Damaged or wet thermal insulation; damaged, missing, cracked lagging or weather-proofing; gaps in caulking					
Covered end seals, splices, and tees properly labeled on insulation cladding					
Control and Monitoring system checked for moisture, corrosion, set point, switch operation, capillary damage, and protection					
Insulation resistance (Megger) test		Ohms	Ohms	Ohms	Ohms
Test A	500 Vdc				
(bus to braid)	1000 Vdc				
	2500 Vdc				
Test B	500 Vdc				
(braid to pipe)	1000 Vdc				
	2500 Vdc				
Power check					
Circuit voltage					
Panel	(Vac)				
Circuit end*	(Vac)				
Circuit amps after 10 min	(Amps)				
Pipe temperature	(°F)				
Power = Volts x amps/ft	(watts/ft)				

*Commissioning only