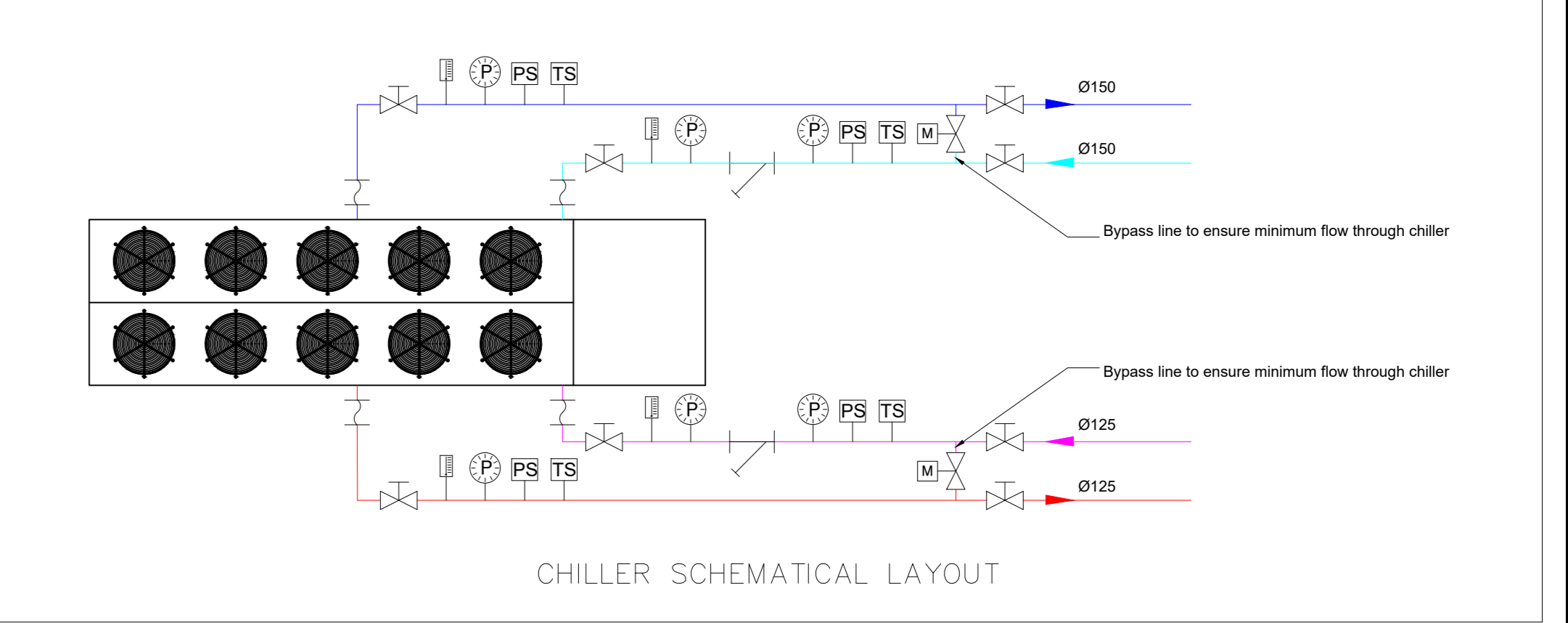


CHILLER SCHEDULE					
ALL CHILLERS SHALL BE OF THE 4-PIPE HEAT EXCHANGER TYPE					
UNIT No.	TOTAL NO. OF CHILLERS	NOMINAL COOLING CAPACITY (kW)	NOMINAL HEATING CAPACITY (kW)	AIR FLOW (m³/s)	POWER SUPPLY
CH-01	6	643 kW	360 kW	360-450 / 3 Ph / 275 kW	POWER SUPPLY TO BE PROVIDED BY ELECTRICAL CONTRACTOR. CONNECTION BY A/C CONTRACTOR.
CH-02	-	-	-	-	-



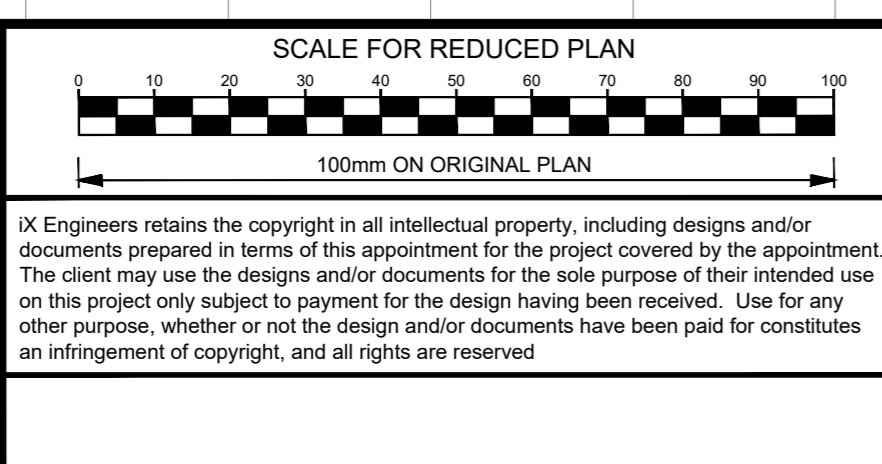
Legends - Water Systems	
	THERMOMETER
	PRESSURE GAUGE
	FLEXIBLE BELOW
	STRAINER
	PUMP
	NON RETURN VALVE
	MOTORIZED THREE WAY VALVE
	MOTORIZED THREE WAY VALVE
	MOTORIZED CONTROL VALVE
	ISOLATING VALVE
	TWO WAY FLOW CONTROL VALVE
	AUTO AIR RELIEF VALVE
	PRESSURE SENSOR
	FLOW SWITCH
	TEMPERATURE SENSOR
	HOT WATER SUPPLY
	HOT WATER RETURN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN

Legends - Refrigerant Systems	
	SUPPLY AIR DUCTING
	REFRIGERANT PIPING ROUTE
	LPVC DRAIN PIPING ROUTE
	CONTROL WIRING
	WIRE REMOTE
	1PH ISOLATOR BY ELECTRICAL CONTRACTOR
	3PH ISOLATOR BY ELECTRICAL CONTRACTOR

- Notes**
- Do not scale the drawings.
  - All dimensions to be verified on site, prior to manufacturing or ordering of equipment.
  - The installation shall comply with the requirements of the Occupational Health and Safety Act of 1993.
  - Any re-clarities shall be brought to the attention of the consulting engineer.
  - This drawing, or part thereof, shall not be used for any installation project other than this one.
  - All drawings shall be read in conjunction with the specification, list of quantities and standard drawings.
  - The positions and size of equipment is shown schematically on the drawing. The exact positions will be determined on site.

**PRELIMINARY FOR INFORMATION ONLY FOR APPROVAL FOR TENDER PURPOSES FOR CONSTRUCTION**

AMENDMENT				
NO.	DATE	CHECKED BY	DONE BY	DESCRIPTION
A	20/09/2022	MCH	MCH	FOR INFORMATION
TD	30/09/2022	MCH	MCH	FOR TENDER PURPOSES



**IXengineers**  
Infrastructure Excellence  
P.O. BOX 38157  
LANGENHOVEN PARK  
BLOEMFONTEIN 9330  
TEL. (051) 411 8040  
E-mail: mc.h@ixengineers.co.za

DESIGNED	MCH	CONSULTING ENGINEER
DRAWN	MCH	DATE
		CLIENT



CLIENT  
**12 FIRST AVENUE  
BLOEMFONTEIN CENTRAL  
BLOEMFONTEIN, 9301  
TEL. (051) 447 7771  
E-mail: paul@pacofs.co.za**

PROJECT  
**BID/HVAC/CAPEX/2/2022  
PACOF'S HEATING, VENTILATION  
AND AIR CONDITIONING (HVAC)  
PROJECT**

DRAWING DESCRIPTION  
**SAND DU PLESSIS THEATER  
HVAC SYSTEM LAYOUT  
1st FLOOR (LEVEL 8.300)**

SCALE	1:100
ORIGINAL DWG SIZE A0	30/09/2022
DATE	
DRAWING NUMBER	301769-HVAC-02
REV NO	TD

P:\Projects\2022\20220920\_1769\_HVAC\DWG\1769\_HVAC\_02.dwg