

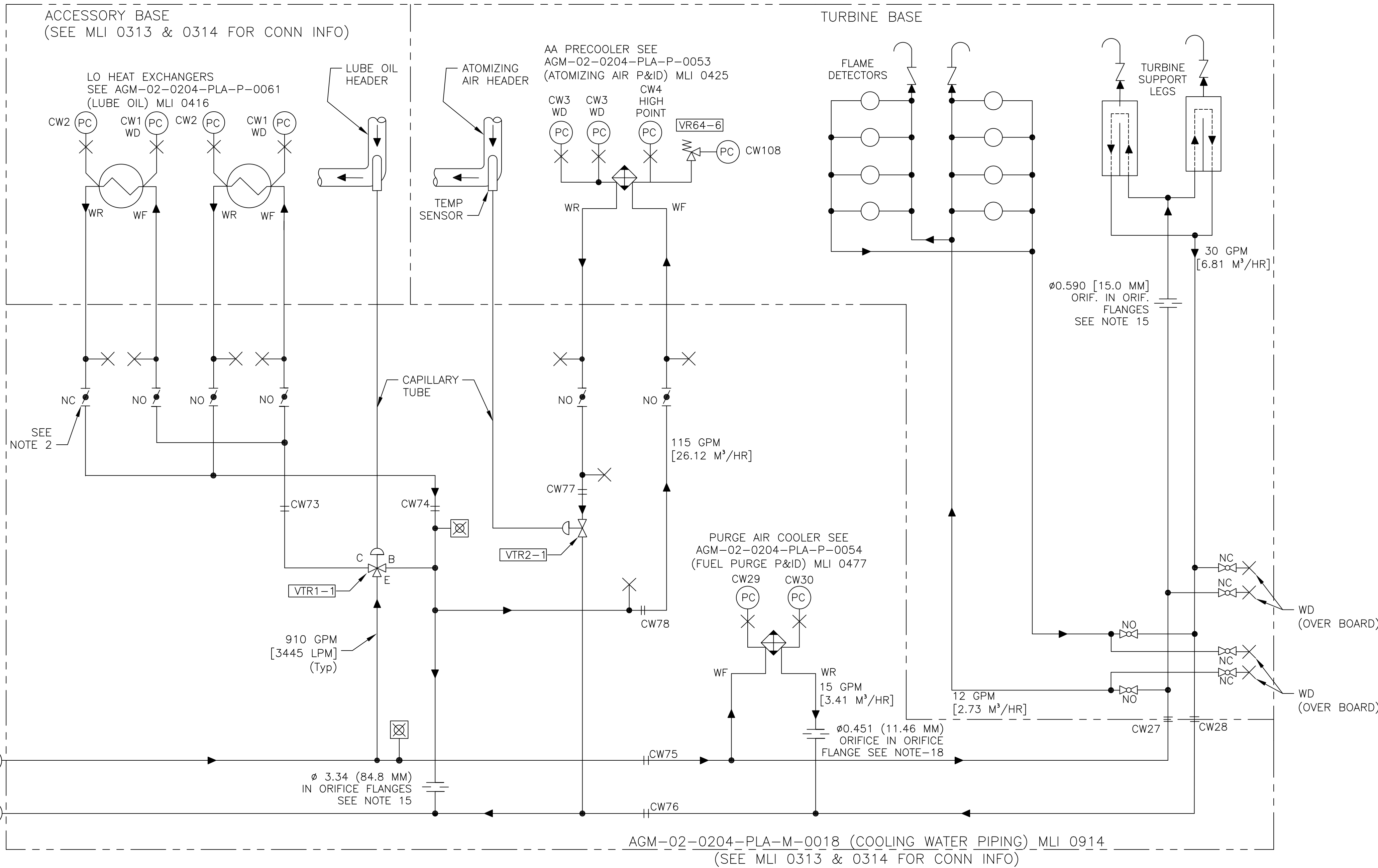
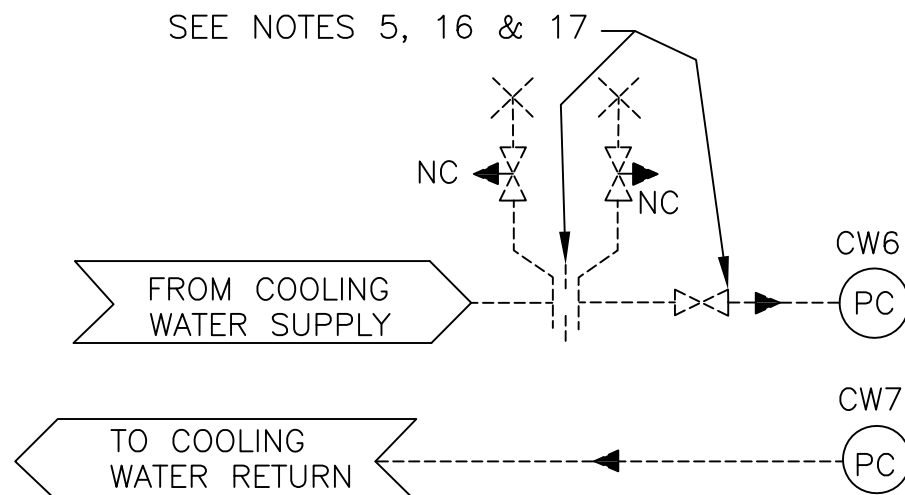
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AGM-02-0204-PLA-P-0051
N° PLANO:

NOTES:

- SEE AGM-02-0204-PLA-I-0046 (DEVICE SUMMARY) MLI 0414 FOR CONTROL DEVICE SETTINGS.
- ONLY ONE LUBE OIL COOLER IS TO BE IN SERVICE DURING NORMAL SYSTEM OPERATION.
- ORIFICE FLANGES HAVE FOUR PLUGGED TAP UNLESS OTHERWISE SHOWN.
- RECOMMEND THAT PIPING CLEANLINESS BE VERIFIED BEFORE INSTALLATION.
- THROTTLING VALVE TO E ADJUSTED TO INDICATED FLOW RATES WITH VTR1-1 & VTR2-1 IN FULL FLOW TO COOLER POSITION.
- COOLING SYSTEM EQUIPMENT IS DESIGNED TO OPERATE WITH THE FOLLOWING COOLANT:
50% ETHYLENE GLYCOL AND 50% WATER WITH CORROSION INHIBITORS.
- APPROXIMATE SYSTEM COOLANT CAPACITY EXCLUDING CUSTOMER SUPPLIED FIELD PIPING IS 1100 GALLONS (4.16 M³).
- PIPING DESIGN PARAMETERS: MAXIMUM PRESSURE = 150 PSIG (10.2 kg/cm²)
MAXIMUM TEMPERATURE = 200°F (93°C)
- REFER TO GEI 41004G FOR COOLING WATER RECOMMENDATIONS FOR CLOSED SYSTEMS.
- PRESSURE DROP CW6-CW7 = 36.0 PSID (2.53 kg/cm²).
- FROM CONNECTION CW6-CW7: GAS TURBINE HEAT REJECTION = 95,250 BTU/MIN (1673 KW)
- MAXIMUM OPERATING SUPPLY PRESSURE: CW6 = 125 PSIG (8.5 kg/cm²).
MAXIMUM STATIC SYSTEM PRESSURE (MECHANICAL DESIGN LIMIT): CW6 = 125 PSIG (8.5 kg/cm²).
- MAXIMUM ALLOWABLE COOLANT TEMPERATURE AT CW6 = 130°F (54.4°C)
- COOLANT FLOW RATE: CW6 = 952 GPM (216.22 M³/HR)
- ORIFICE IS NOT INTENDED FOR FLOW MEASURING PURPOSES.
ORIFICE USED ONLY FOR FLOW CONTROL.
- FLOW MEASURING ORIFICE AN THROTTLING VALVE SHALL BE SUPPLIED BY THE CUSTOMER IF REQUIRED TO MEET STATED FLOW RATES & PRESSURE.
- A STRAIGHT PIPE LENGTH UPSTREAM OF THE FLOW MEASURING ORIFICE EQUIVALENT TO 10 (TEN) PIPE DIAMETERS IS RECOMMENDED.
- COOLANT TEMPERATURE RISE BETWEEN CW6-CW7: 13°F (10.6°C).
- CUSTOMER SUPPLIED INTERCONNECTING PIPING PRESSURE DROP AT SPECIFIED FLOW RATES NOT TO EXCEED 15 PSI (1 kg/cm²).
- CUSTOMER SUPPLIED INTERCONNECTION PIPING TO BE DESIGNED WITH HIGH POINT VENTS AND LOW POINT DRAINS AS APPROPRIATE.
- SYSTEM PARAMETERS AND SPECIFICATIONS ARE BASED ON GE DRAWING 357B1884 (PROVIDED BY CUSTOMER), INCLUDING REQUIREMENTS FOR DUAL FUEL SYSTEMS PER CUSTOMER SCOPE OF WORK.

SEE NOTES 5, 16 & 17



AGM-02-0204-PLA-M-0018 (COOLING WATER PIPING) MLI 0914
(SEE MLI 0313 & 0314 FOR CONN INFO)

IMPORTANTE
ESTE PLANO FUE ELABORADO EN AUTOCAD V.2008
CUALQUIER MODIFICACION REALIZADA EN CAMPO
DEBERÁ SER NOTIFICADO A LA UNIDAD
RESPONSABLE.
QUEDA PROHIBIDO CORREGIR ESTE PLANO SIN
AUTORIZACION DE ESTA UNIDAD.
ALL DIMENSIONS IN BRACKETS [] ARE
MILLIMETER, EXPRESSED DIMENSIONS
ARE INCHES

AGM-02-0204-PLA-P-0053	ATOMIZING AIR P&ID	(MLI 0425)
AGM-02-0204-PLA-P-0061	LUBE OIL P&ID	(MLI 0416)
AGM-02-0204-PLA-I-0046	DEVICE SUMMARY	(MLI 0414)
AGM-02-0204-PLA-M-0018	COOLING WATER - LUBE OIL	(MLI 0914)
AGM-02-0204-PLA-M-0004	OUTLINE - GT PACKAGE CONNECTIONS - PIPING NOTES	(MLI 0314)
AGM-02-0204-PLA-M-0003	OUTLINE - GT PACKAGE CONNECTIONS - PIPING	(MLI 0313)
N° DE DOCUMENTO	DESCRIPCIÓN	REV. FECHA
DOCUMENTOS DE REFERENCIA		
DERWICK		
ProEnergy		
CORPOLEC		
SENECA		
AMPLIACIÓN DE LA CAPACIDAD DE GENERACIÓN Y TRANSPORTE DE ELECTRICIDAD EN LA ISLA DE MARGARITA		
COOLING WATER P & ID		
DUAL FUEL MOD. UNITS 298034 & 298035		
(MLI 0420)		
PROYECTO N°:	REV:	PLANO N°:
409-2956-1		AGM-02-0204-PLA-P-0051
CALCULO:	PROYECTO:	ESCALA:
REVISADO: C. Brown	CALCULO:	FECHA: 07/07/11
DIBUJO: S. Boerckel	REVISADO: J. Castillo	DISK N°
APROBADO: T. Koontz	DIBUJO:	ESC./PLOTEO:
ARCHIVO:	APROBADO: M. Monticelli	ARCHIVO:
PAGINA: 1	DE: 1	REV: 0

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