

NOTE(S):

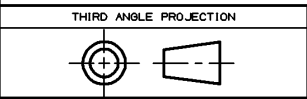
- 1. SEE DEVICE SUMMARY (ML1 0414) FOR CONTROL DEVICE SETTINGS.
- 2. ONLY ONE LUBE OIL COOLER IS TO BE IN SERVICE DURING NORMAL SYSTEM OPERATION.
- 3. ORIFICE FLANGES HAVE FOUR PLUGGED TAP UNLESS OTHERWISE SHOWN.
- 4. RECOMMEND THAT PIPING CLEANLINESS BE VERIFIED BEFORE INSTALLATION.
- 5. THROTTLING VALVE TO BE ADJUSTED TO INDICATED FLOW RATES WITH VTRI-1 IN FULL FLOW TO COOLER POSITION.
- 6. COOLING SYSTEM EQUIPMENT IS DESIGNED TO OPERATE WITH THE FOLLOWING COOLANT: 50% ETHYLENE GLYCOL AND 50% WATER WITH CORROSION INHIBITORS.
- 7. APPROXIMATE SYSTEM COOLANT CAPACITY EXCLUDING CUSTOMER SUPPLIED FIELD PIPING IS 1000 GALLONS ( 3785 LITERS ).
- 8. PIPING DESIGN PARAMETERS: MAXIMUM PRESSURE = 150 PSIG ( 10.2 kg/cm<sup>2</sup> )  
MAXIMUM TEMPERATURE = 200°F ( 93°C )
- 9. REFER TO GEI 41004G FOR COOLING WATER RECOMMENDATIONS FOR CLOSED SYSTEMS.
- 10. PRESSURE DROP CW6 - CW7 = 29.1 PSID ( 2.05 kg/cm<sup>2</sup> ).
- 11. FROM CONNECTION CW6-CW7: GAS TURBINE HEAT REJECTION = 53,200 BTU/MIN
- 12. MAXIMUM OPERATING SUPPLY PRESSURE: CW6 = 125 PSIG ( 8.5 kg/cm<sup>2</sup> ).  
MAXIMUM STATIC SYSTEM PRESSURE (MECHANICAL DESIGN LIMIT):  
CW6 = 125 PSIG ( 8.5 kg/cm<sup>2</sup> ).
- 13. MAXIMUM ALLOWABLE COOLANT TEMPERATURE AT CW6 = 130°F ( 54.4°C )
- 14. COOLANT FLOW RATE: CW6 = 952 GPM ( 3604 LPM )
- 15. ORIFICE IS NOT INTENDED FOR FLOW MEASURING PURPOSES.  
ORIFICE USED ONLY FOR FLOW CONTROL.
- 16. FLOW MEASURING ORIFICE AND THROTTLING VALVE SHALL BE SUPPLIED BY THE CUSTOMER IF REQUIRED TO MEET STATED FLOW RATES & PRESSURE.
- 17. A STRAIGHT PIPE LENGTH UPSTREAM OF THE FLOW MEASURING ORIFICE EQUIVALENT TO 10 (TEN) PIPE DIAMETERS IS RECOMMENDED.
- 18. COOLANT TEMPERTURE RISE BETWEEN CW6-CW7: 7.6°F ( 4.2°C ).
- 19. CUSTOMER SUPPLIED INTERCONNECTING PIPING PRESSURE DROP AT SPECIFIED FLOW RATES NOT TO EXCEED 15 PSI ( 1 kg/cm<sup>2</sup> ).
- 20. CUSTOMER SUPPLIED INTERCONNECTION PIPING TO BE DESIGNED WITH HIGH POINT VENTS AND LOW POINT DRAINS AS APPROPRIATE.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

REVISE ON CAD ONLY  
UG PART: GR0730-0420  
( SPEC: 357B1884 )

1	PIPING SYMBOLS	277A2415
IT.	NOMENCLATURE	IDENT
LIST OF COMPLEMENTARY DOCUMENTS		

-	-	REV	REV STATUS
2	1	SH	OF SHEETS

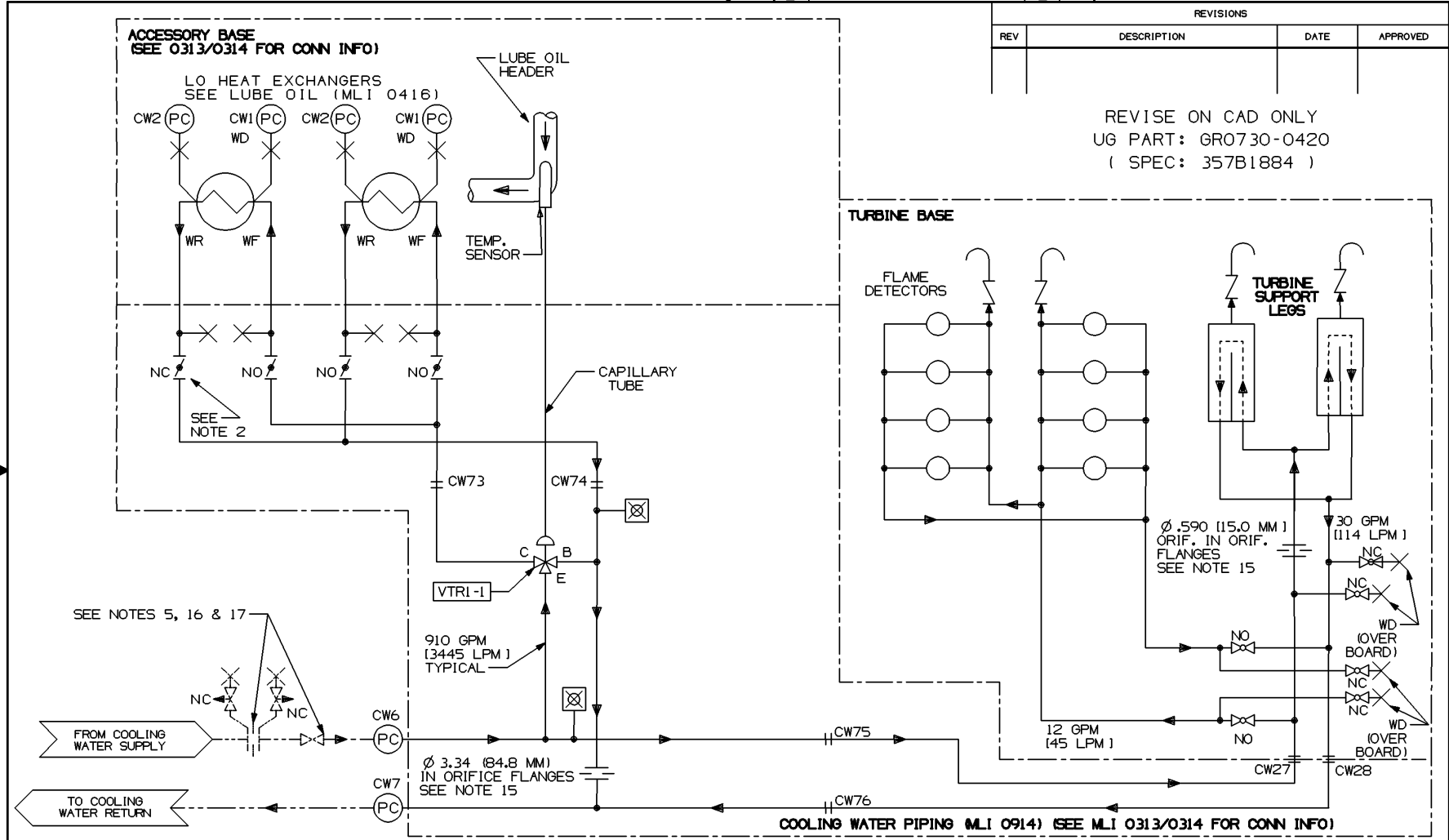


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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: 2 PL DECIMALS ± 3 PL DECIMALS ± ANGLES ± FRACTIONS ±	SIGNATURES DRAWN JT BROWN CHECKED JW TRAYLOR ENGRG RA CARDIN ISSUED JT BROWN O.C. JW TRAYLOR	DATE 01-06-28 01-06-29 01-06-29 01-07-2 01-06-29	GE Power Generation GENERAL ELECTRIC COMPANY GAS TURBINE Greenville, SC
APPLIED PRACTICES 348A9200			DIAGRAM, SCHEM PP-COOLING WATER
FIRST MADE FOR ML-7A1PEA234-1T4 0420			
SIZE <b>B</b>	CAGE CODE	DWG NO 357B1884	
SIN TO: 357B1690	SCALE NONE	SHEET 1	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

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GENERAL ELECTRIC COMPANY GE Power Generation GAS TURBINE G-series 110, 50		SIZE <b>B</b>	CAGE CODE	DWG NO 357B1884	0420
DRAWN JAMES T BROWN	01-06-28	SCALE NONE		SHEET 2	
ISSUED JAMES T BROWN	01-07-02				

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