COMPR ESSED AIR COMPONENT DETAIL

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM MECHANICAL POC.

2. REFER TO THE FOLLOWING LAM STANDARDS FOR ADDITIONAL INFORMATION:
   A. ENGINEERING MANUAL, MECHANICAL CHAPTER
   B. MASTER SPECIFICATION 01 3545, WATER DISCHARGE REQUIREMENTS
   C. MASTER SPECIFICATION 22 1500, COMPRESSED AIR SYSTEMS

3. ADD WATER PIPING AND ISOLATION VALVES IF COMPONENTS (COMPRESSOR, AFTERCOOLER, ETC) ARE WATER COOLED. USE NONPOTABLE WATER THAT IS CHEMICALLY TREATED.

4. PROVIDE DRAIN LINE WHEN SPECIFYING A REFRIGERATED DRIER. HEATELESS REGENERATIVE DRIER DOES NOT REQUIRE A DRAIN LINE.

5. PROVIDE MOISTURE INDICATOR WHEN NOT PROVIDED WITH REGENERATIVE DRIER. DO NOT INSTALL ON SYSTEM WITH REFRIGERATED DRIER.

6. DETAIL SHOWS MINIMAL REQUIRED FILTERS FOR TYPE OF COMPRESSOR AND DRIER USED. COMPRESSED AIR SYSTEM MAY REQUIRE ADDITIONAL FILTERS AND POINT OF USE FILTERS. FOR EXAMPLE, AN OIL VAPOR ABSORBING FILTER INSTALLED BETWEEN THE DRIER AND AFTERFILTER MAY BE REQUIRED IF OIL VAPORS OCCUR (HYDROCARBONS ARE DETRIMENTAL TO EQUIPMENT OR PROCESS).

7. SPECIFY A COMMERCIALLY AVAILABLE OIL/WATER SEPARATOR. CONSULT WITH MANUFACTURES REPRESENTATIVE FOR APPLICATION AND SIZING INFORMATION.

8. REFER TO ISO 8573-1 AND THE ESM MECHANICAL CHAPTER SECTION D2090 FOR COMPRESSED AIR QUALITY GUIDANCE.

9. AUTOMATIC DRAIN VALVES FURNISHED WITH REFRIGERATED DRIER.