SECTION 5
AIR COOLED AC CONDITIONING CONDENSING UNITS

PART 1 GENERAL

RELATED DOCUMENTS

A   The other Contract Documents supplement the requirements of this section. The general requirements apply to the work of this section.

1.2 SCOPE

A   Provide materials, equipment, labor and supervisions necessary to install air cooled condensing units.

B   Unit ratings, capacities, and characteristics shall be as scheduled on Mechanical Drawings.

STANDARDS

A   Performance shall be in accordance with the applicable ARI standards.

B   Compressor motors, starters, wiring and control wiring shall conform to NEMA, UL, NEC and local utility requirements.

SECTION INCLUDES

A   Condensing unit package
B   Charge of refrigerant and oil
C   Controls and control connections
D   Refrigerant piping connections
E   Motor starters
F   Electrical power connections

1.5 SUBMITTAL

A   Submit shop drawings and catalog components assembly dimensions, weights and loadings, required clearances and location and size of field connections. Include schematic layouts showing condensing units, cooling coils, refrigerant piping and accessories required for complete system.

OPERATION AND MAINTENANCE DATA

A   Submit operation and maintenance data under provisions of section
B   Include start-up instructions, maintenance instructions, parts lists, controls and accessories

1.7 WARRANTY

A   Provide five year extended replacement warranty on compressor and factory pre charged and sealed refrigerant system including condenser coils

B   First Year warranty include parts and coverage for refrigerant compressors, condenser coils, fans, control electrical devices and related system components

MANUFACTURER

2.5 COMP E O

A Cons r c on er e c scro nd rec proc ng ype h he re ed forged s ee or c s ron
sh f s n oy connec ng rods o o e e f d C o

Charging Lines

Refrigerant and oil

E. Refer to section 15515. Comply with ANSI A 14 AE 15

3.2 CONTRACTOR FIELD SERVICE

A. Test refrigerant systems for leaks including lines connecting the condensing unit with the air handling unit.

B. Prepare and start systems.

C. Supply initial charge of refrigerant and oil for each refrigerant circuit. Replace losses of refrigerant and oil.

D. Inspect and test for refrigerant leaks quarterly during first year of operation. Repair and replace losses of refrigerant and oil to meet manufacturer's specifications.

END OF SECTION