

Project Name : _____
 Project Address: _____

 Installing Contractor Name (Print): _____ Date: _____

In the left-hand margin, indicate you have verified the accuracy of each line item by initialing each numbered item below.

- _____ **1. Minimum Outdoor Temperature for Condenser Design**
 The minimum winter outdoor temperature for design is (**check one**): +45F 20F -20F
 For +45F: 2-Stage Condenser fan cycling by refrigerant pressure is standard option for +45F minimum outdoor. (See Refrigeration Circuit Diagram).
 For +20F: Pressure fan cycling on all stages except variable speed header fan(s) (See Refrigeration Circuit Diagram).
 For -20F: Flooded head pressure control must be factory approved. All condenser fans except the header end fan will cycle on individual pressure fan cycling controls. Field installed flooded head pressure controls are required (See Refrigeration Circuit Diagram).
- _____ **2. Compressor Hot Gas Bypass**
 Each module can be equipped with Hot Gas Bypass on both circuits. If required, is this option in place? Yes No
- _____ **3. A/C Condenser Location relative to Chiller Module**
 A/C Condenser is located at a HIGHER elevation relative to chiller Module Yes No
- _____ **4. Refrigerant Piping Geometry to Remote A/C Condenser; Vertical Distance**
 A/C Condenser is located Less than 10 feet Higher Elevation relative to chiller module _____ ft.
 A/C Condenser is located Less than 30 feet Higher Elevation relative to chiller module _____ ft.
- _____ **5. Refrigerant Piping Geometry to Remote A/C Condenser; Horizontal Distance**
 A/C Condenser is located at an aggregate total distance equal to the sum of the vertical distance from Item 4 above plus the total horizontal distance, which **SHALL NOT EXCEED 100 FEET**. Enter the distance: _____ ft.
- _____ **6. Refrigerant Piping Geometry to Remote A/C Condenser; Oil Return "P" Traps**
 The installing contractor **MUST** agree to the installation of the following: If the A/C Condenser is located **Greater than 10 feet Higher Elevation** relative to the chiller module, install ALL inverted "P" traps as shown on Remote Condenser Installation Guidelines drawing.
- _____ **7. Refrigerant Piping Geometry to Remote A/C Condenser; Oil Return "P" Traps with Hot Gas Bypass**
 If the module is equipped with hot gas bypass the installing contractor **MUST** agree to the installation of the following: If the A/C Condenser is located **Greater than 10 feet Higher Elevation** relative to the chiller module, install ALL inverted "P" traps with double vertical riser lines as shown on Remote Condenser Installation Guidelines drawing.
- _____ **8. Refrigerant Piping Geometry to Remote A/C Condenser: Sloped for Oil Return**
 The installing contractor **MUST** agree to the installation of the following: The discharge line to the Condenser AND the condenser liquid return line to the module must slope downward in the direction of the refrigerant flow at 1/8" per foot.
- _____ **9. Refrigerant Piping Geometry to Remote A/C Condenser; Isolation and Check Valves**
 The installing contractor **MUST** agree to the installation of the following: All necessary isolation and check valves as shown on the Remote Condenser Installation Guidelines drawing and the Refrigeration Circuit Diagram.
- _____ **10. Refrigerant Piping Geometry to Remote Condenser; NO change in ^/v Direction**
 Starting at the module, the discharge line to condenser and the condenser liquid return line from condenser DO NOT have any changes in the elevation direction throughout the piping runs, e.g. UP 20 feet, then DOWN 10 feet to the condenser connections. In other words, all piping runs **MUST** follow a Consistent Upward Path from the module to the condenser; with the only exception being 1/8" per foot sloped piping, as outlined in Item 7 above.

By signing below, the Installing Contractor warrants the accuracy of the information contained in this document. Further, by signing below, the Installation Contractor warrants that the installation work scope will include but shall not be limited to ALL of the items presented herein. Failure to provide accurate information and/or the failure to follow the above minimum installation instructions may result in an interruption in and/or cause the Warranty provided on the unit to be void. After completing this document, please e-mail: technicalsupport@climacoolcorp.com or Fax 405.815.3052.

_____ **Installing Contractor** _____ **Date**