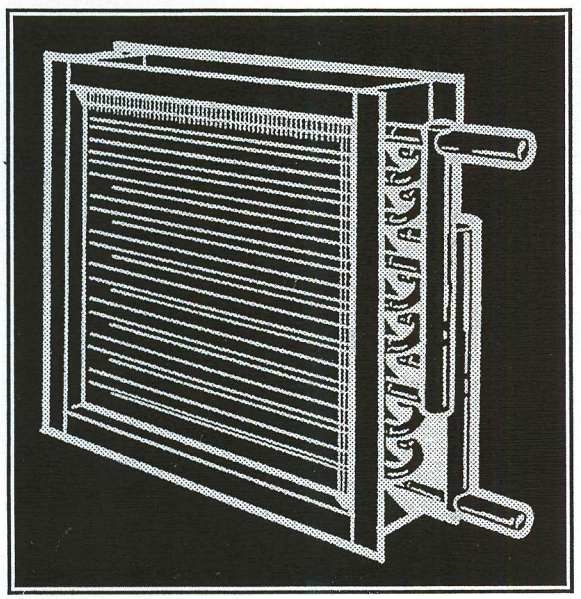
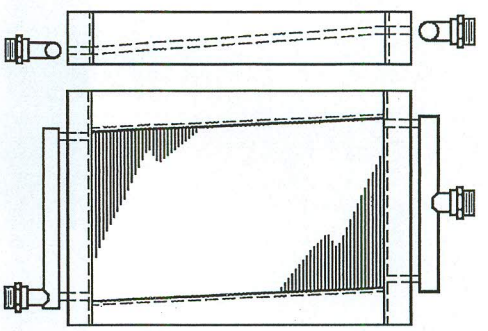
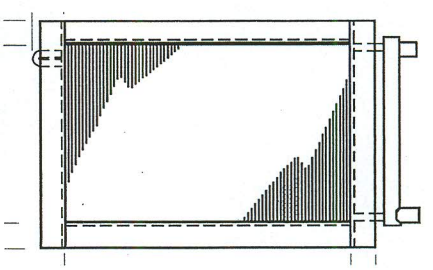
Coils

Fin & Tube Design





Steam Coils



Water Coils

Make ordering Replacement Coils more convenient, accurate and reliable!

* See details in E-Z Coil quote sheets.

TYPE OF COILS AVAILABLE:

- Hot Water Coils
- Chilled Water Coils
- Evaporator Coils
- Condenser Coils
- Steam Coils

THS

Fin & Tube

Technical Heat Transfer Services, Inc.
P.O. Box 801
Amherst, NY 14226-0801
Phone: (716)-743-1855
Fax: (716)-743-0124

7 STEPS TO BETTER REPLACEMENT COILS

Use the diagram with the corresponding letters on the reverse side.

STEP 1 Type of Coil

(A) Type of coil:
____ Hot Water ____ Chilled Water ____ Evaporator ____ Condenser ____ Steam ____ Other

STEP 2 Measurement of Fins, Coil, & Flanges

Fin Measurement:
(B) Fin Height _____ (C) Finned Length(Distance between tubesheets) _____
(D) Fin Depth _____ (E) Fins per Inch _____
Coil Measurement:
(F) Overall dimension above manifold header and return bend _____
(G) Height of Sheet Metal _____ (H) Width of Sheet Metal _____
(I) Width of Flange _____

STEP 3 Metal Specifications

Metal Specifications:
(J) Sheet Metal Material: ____ Copper ____ Galvanized Steel ____ Aluminum
(K) Sheet Metal Thickness(Gauge): _____
(L) Fin Material: ____ Aluminum ____ Copper

STEP 4 Tube & Manifold Diameters

(M) Tube Diameter(Size of tubing running through coil): ____ 5/16" ____ 3/8" ____ 1/2" ____ 5/8"
(N) Manifold Header Diameters: _____ INLET _____ OUTLET
(O) Manifold Connection Diamters: _____ INLET _____ OUTLET
(P) Type of Connections: _____ Threaded _____ Sweat

STEP 5 Connection Location Measurements

(Q) From tubesheet to the end of connection: _____ INLET _____ OUTLET
(R) From the top/bottom of tubesheet to the centerline of the connection:
_____ INLET _____ OUTLET
(S) From the side edge of tubesheet flange to the centerline of the connection:
_____ INLET _____ OUTLET

STEP 6 Tube Rows or Patterns

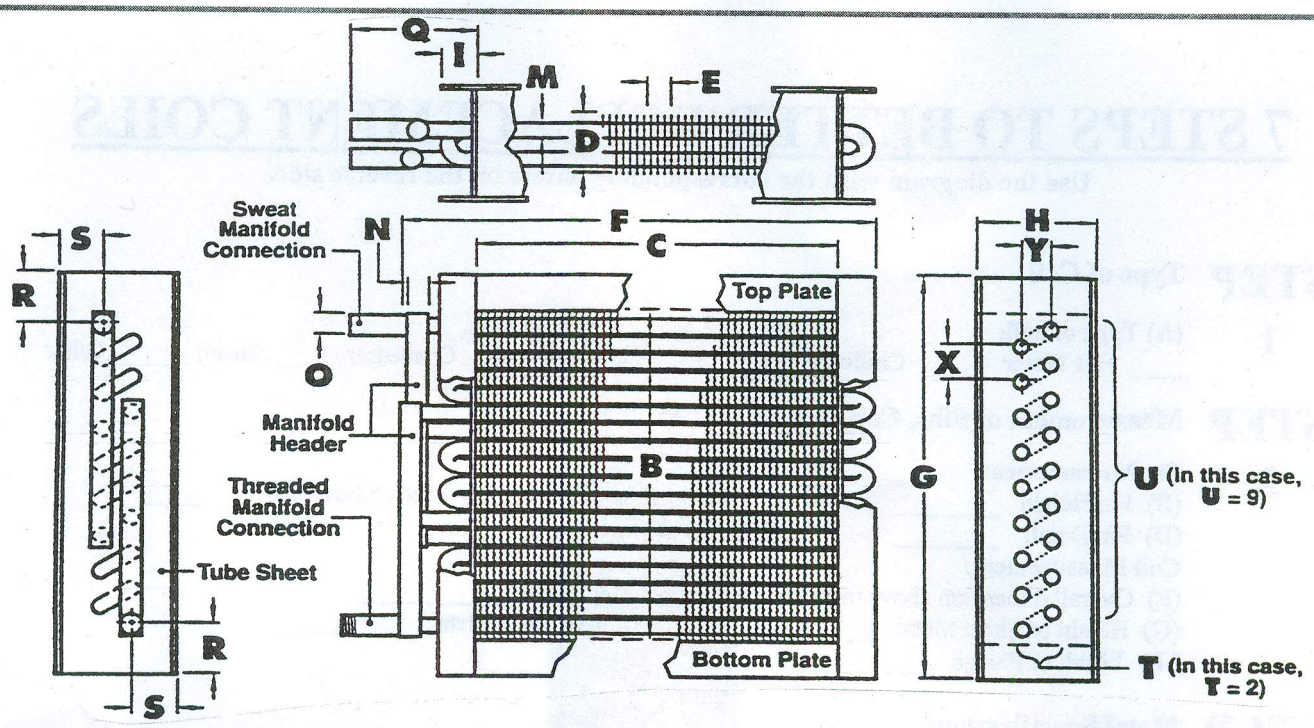
(T) Number of tube rows across the depth of the fins: _____
(U) Number of tubes down the height of the fins: _____
(V) Tube Pattern: _____ Staggered _____ In-Line
(W) Centerline dimensions between tubes at (X) _____ (Y) _____

STEP 7 BTU Capacity(Complete only if necessary to calculate coil BTU capacity)

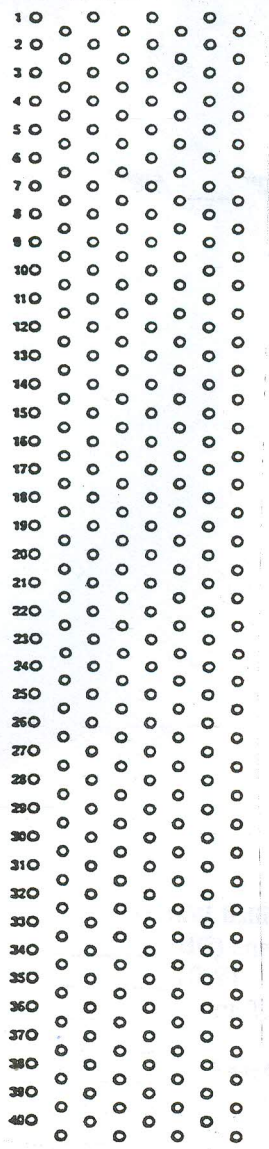
(Evaporator)
Entering Air Temp.: (DB) _____
(WB) _____
Required BTUH: _____
Type of Refrigerant: _____
Refrigerant Temperature: _____
Air Flow(SCFM): _____

(Condenser)
Entering Air Temp.: (DB) _____
Required BTUH: _____
Type of Refrigerant: _____
Condensing Temperature: _____
Air Flow(SCFM): _____

(Hot/Chilled Water)
Entering Air Temp.: (DB) _____
(WB) _____
Entering Water Temp. _____
Required BTUH: _____
Duct Size(Face Area): _____
Air Flow(SCFM): _____
GPM(Water): _____



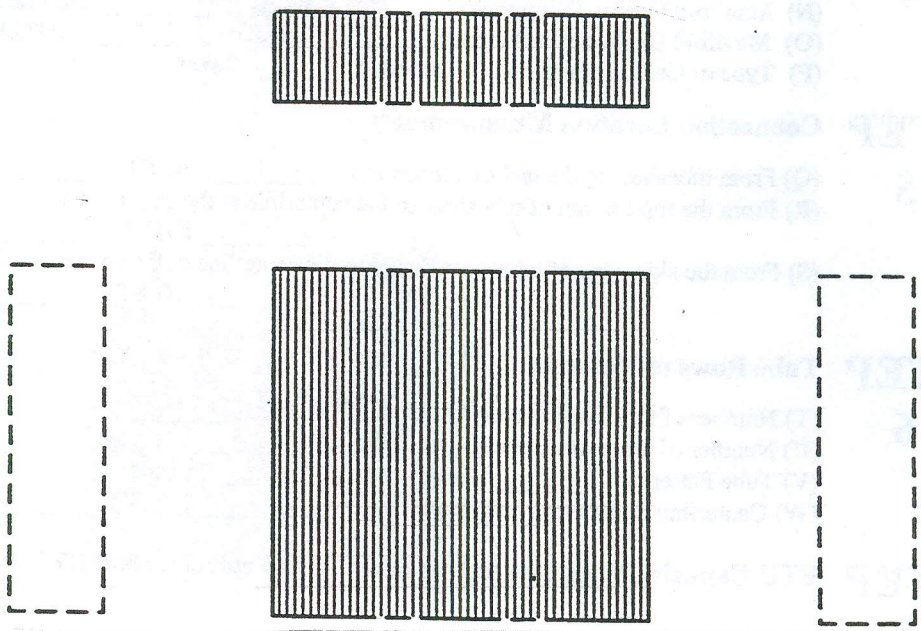
Circuit Diagram



Circuiting:
Staggered Pattern

Advise direction of entering air through coil.

AIR FLOW



VIEW _____

VIEW _____