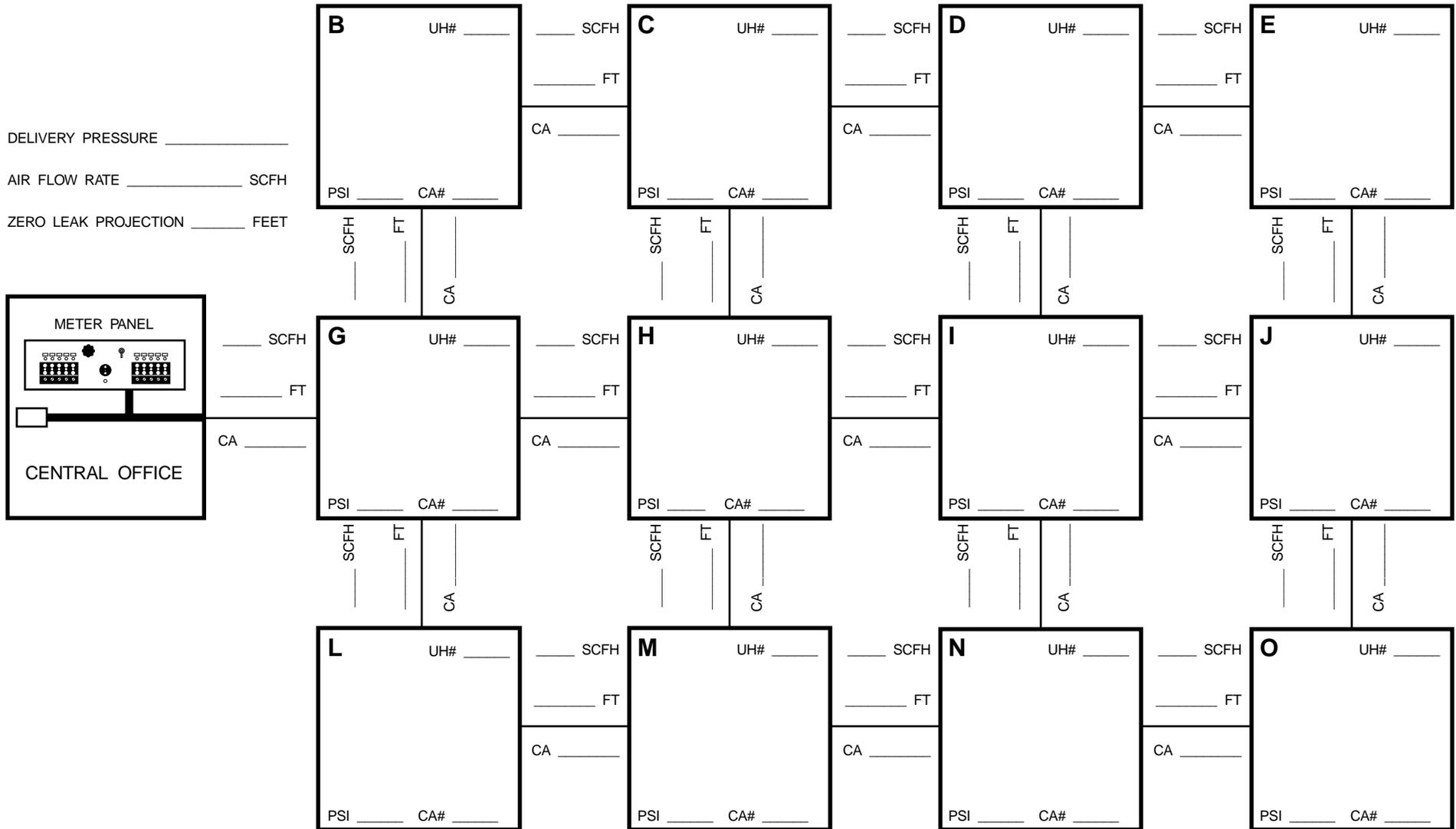


Worksheet C

Leak Locating in Cables Leaving the Central Office



Worksheet C

Leak Locating in Cables Leaving the Central Office

Procedure:

- Step 1** Measure and record the flow rate and input pressure of cable. If flowrate is above 10 SCFH, use portable flow rater.
- Step 2** Calculate Zero Leak Projection to determine area of search.
- Step 3** Verify that the meter panel is installed on correct cable. Check plastictubing and central office (CO) plug for leaks.
- Step 4** Visit utility hole within Zero Leak Projection. Check for leaks. Record pressure. Calculate flow between CO and utility hole. Calculate Zero Leak Projection for all directions cable leaves utility hole. Do not enter utility holes outside Zero Leak Projection.
- Step 5** Visit next utility hole or lateral utility hole if it is within new Zero Leak Projection. Check for leaks. Record pressure. Calculate air flow between the two utility holes. If a majority of the flow measured at the C.O. can be accounted for, continue in that direction. If not, check another lateral. Calculate Zero Leak Projection for cable where majority of air flow is calculated.
- Step 6** Continue chasing the measured CO flow up laterals until leak is found.
- Step 7** Enter all calculations, footages and cable size on diagram. All Air Flow Calculations and Zero Leak Projections should also be entered on worksheet.

Equipment and Procedures Required:

- C Pressure Gauge
- Portable Flow Rater (0-20 SCFH)
- Flow Direction Indicator
- Ultrasonic Leak Locator or Soap Bucket
- Calculator
- Pneumatic Resistance Charts
- Zero Leak Projection
- Air Flow Calculation
- Back Projection (Single Feed Systems Only)

Review Checklist

-
-
-
-
-
-
-

Task Number: _____

- Found
- Not Found

Date: _____

Hours Worked: _____

Office: _____

Cable Number: _____

Transducer Number: _____

Name: _____

Cause of Problem:

- Leaking Closure
- Missing Plug
- Leaking Plug
- Leaking Valve
- Section Leak
- Leaking Hardware

Other _____
