



Calculation Layout and Pipefitting Program

- **Pipe:** Dimensions, Weight Classifications, Schedules
- **Weld Fittings:** Dimensions, Weight Classifications, Centers and Takeouts
- **Pipefitters Math Introduction:** Introduction to the Tradesman Calculator, Number Conversion
- **Isometric and Orthographic Drawings:** Interpretation of sample, single and double line, 'ortho' and isometric (iso) drawings
- **90 Degree Elbow:** Study and practice the use of formulas and reference charts for mitering elbows and calculating odd angle elbow takeout.
- **Introduction to Right Triangles:** Solving right triangles using calculator functions. Study and practice the use of right triangles to solve simple and complex pipe offsets.
- **45 Degree Offsets:** 45 degree weld fittings dimensioning and takeout calculation, Calculate takeouts and pipe lengths from sample isometric drawings
- **Odd Angle Offsets:** Combination odd angle/90° elbow offsets, Properly interpret reference and constants charts
- **Equal Spread/Parallel Offsets:** Determine offset centers and pipe lengths from isometric and double line orthographic drawings
- **Fixed End Parallel Offsets (Stationary connection points):** Application of right triangle calculations, Referencing and properly interpreting constant multiplier charts, Interpreting double line 'ortho' drawings for calculations, Calculation steps and calculator entries
- **Parallel and Combination Rolling Offsets:** Introduction and use of formulas for parallel and complex combination offsets
- **Industrial Stairs Calculation:** OSHA and local requirements introduced, Sample 'blueprint' calculation practice

Please sign up through your member representative as class sizes are limited.

To download an application please visit our website at www.abccentralcal.org

Fax completed applications to: (661) 392 - 9076.

For further questions contact our office at: (661) 392 - 8729.