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| **Lesson Plan: Intro to Sketching and Drawing** | **Date: Mar 5/14** |
| **Course: ACE-IT Plumbing** | **Estimated Time: 3 hrs** |
| **Unit: Plumbing Theory** |  |
| **Lesson Objectives** Students will be introduced to isometric representation, orthographic representation, plan views and elevations**Students will demonstrate their learning by:** Translating a plan view drawing into an isometric drawing. |
| **Introduction**The link between drawing, work and communication “IKEA”The importance of an efficient, common “language” in the workplace  |
| **Lesson Details** 10:30 a.m. -2:00 p.m. (including lunch 12-12:45) -Students will describe the physical layout of the bathroomthey use at home-Instructor will describe and draw, in plan view, the master bath in his home and demonstrate how to translate the PV drawing into isometric-Students will sketch a plan view of their bathroom and, using an isometric template, draw the bathroom described earlier.-All drawing to reviewed and corrected in class.Materials: Masking tape, 11x17 paper, T-squares, triangles, scales, isometric template-The morning to be given over to completing the “in situ” soldering exercise and finishing the plastic pipe project in the mock up. -2:00 p.m. – 2:50 p.m. Review for Plastic exam-Key words: isometric, orthographic, floor plan, plan view  |
| **Questions**   |
| **Closure:** Assign Objectives 4 and 5 from Sketching and Drawing Work book; touch base about Iron Pipe assignmentWhat did you learn today? |
| **Student Assessment**  All students to complete isometric drawing, make corrections in class |
| **Self-Assessment**  |