

Specifications

1. The metric system is applied for all measurements with a tolerance of 2 mm to obtain all points. All measurements are in millimeters only.
2. "TDrill header" 1/2" and 3/4" outlet connections (8) shall be notched, dimpled and silver brazed. (Silver 45%)
3. All the other copper fittings (1/2", 1", 1 1/2", and 2"), shall be made with "no lead solder"
4. All copper bends shall be made with a 5/8" mechanical hand bender. Bends in the drawing are calculated with the Ridgid bender no. 310 (Radius 56 mm).
5. Type L copper pipe must be used on the top copper portion only.
6. Copper and steel piping will be tested by air pressure :103 KPa or 15 psi for 15 minutes.
7. All horizontal pipes shall be on level.
8. All vertical pipes shall be plumb. (Except offsets).
9. The "TDrill" headers, ProPress tools, flaring tools and expansion tools will be provided by the organization.
10. No sanding / polishing on copper piping is allowed after soldering or brazing joints completed.
11. Competitor must locate leg retainers (wood donuts) in each corner of the platform.
12. The copper caps located on the bottom of each leg must make contact with platform.
13. The candidate must install and remove the air testing assembly.
14. The testing procedures will be explained by the judges before competition.
15. Note that the judged decision will be final.
16. The request for the air test is to happen during competition time but the test made by judges can take place after the competition has official timed out.
Competitor cannot make a preliminary test before the pressure test made by judges.
17. The execution time will be considered to break a tie situation.
18. Safety rules will be applied and assessed during all the competition.
19. The competitor will obtain help to fix the top portion of the project onto the lower 4 legs section of the project after all soldering or brazing joints have been completed.



18TH SKILLS CANADA
NATIONAL COMPETITION
EDMONTON (2012)

National Plumbing project
Specifications

Drawing by/ Dessin par : J. Cormier
March 2012

Page 2