

*WorldSkills Jamaica National Skills Competition*

*April 23 to 25, 2008*

*Test Project – Plumbing*

# **Building Construction**

## **Plumbing – Final Test Project**



**WorldSkills Jamaica National Skills Competition**

**April 23 to 25, 2008**

**Test Project – Plumbing**

**WorldSkills Jamaica Competition April 24 to 25, 2008**

**General Instructions**

1. Each competitor will be required to carry out the test project as specified and will be available on the website three months before the competition.  
[www.worldskillsjamaica.org](http://www.worldskillsjamaica.org)
2. Each competitor will be required to carry out the test project as specified on the schedule to be handed out two days before the competition.
3. The time will be specified according to the test project.
4. 20% change will be made to the test project on the day of the competition where a new test project will be issued to the competitor.
5. All materials, ingredients, large equipment and specialized hand tools will be provided.
- 6. Please note that all competitors should provide their own small tools and utensils.**
7. Competitors are expected to identify all equipment/ materials/ingredients needed and submit list to the competitions committee no later than March 7, 2008.
8. Debriefings will also be conducted for all competitors on April 22, 2008.
9. All competitors will get an opportunity to arrange work areas the day before the competition. Where applicable competitors for the second day will arrange their work areas on the evening of day one. Competitors who

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fall in the second shift will get an opportunity to do their preparation at offsite locations (to be decided) where necessary.

- 10. Competitors and coaches are expected to find their way to the competition village on April 22, 2008 and to depart back home on April 26, 2008**
- 11. Transportation will be provided at designated times for all competitors and coaches to and from the competition venue.**
- 12. All coaches will play the role of experts (judges) for the competition**
- 13. Accommodation and meals will be provided for all competitors**
- 14. Accommodation will be provided for coaches only.**
- 15. All other persons that support the competitors will need to make their own accommodation arrangements.**
- 16. Lunch and light refreshment only will be provided for coaches, (experts), workshop supervisors, national trade managers and volunteers.**
17. All competitors should be present for the opening ceremony along with their coaches.
18. Rehearsal for the opening ceremony will be held on the evening of April 22, 2008 in the Indoor Sports Centre.
19. Competitors are not allowed out of the competition village unless permission is granted by the dorm master.
20. All competitors are required to register at the competition village to qualify for entry into the competition.
21. Special permission must be granted if competitors need to reside off campus.

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**Project Duration – 6 hours**

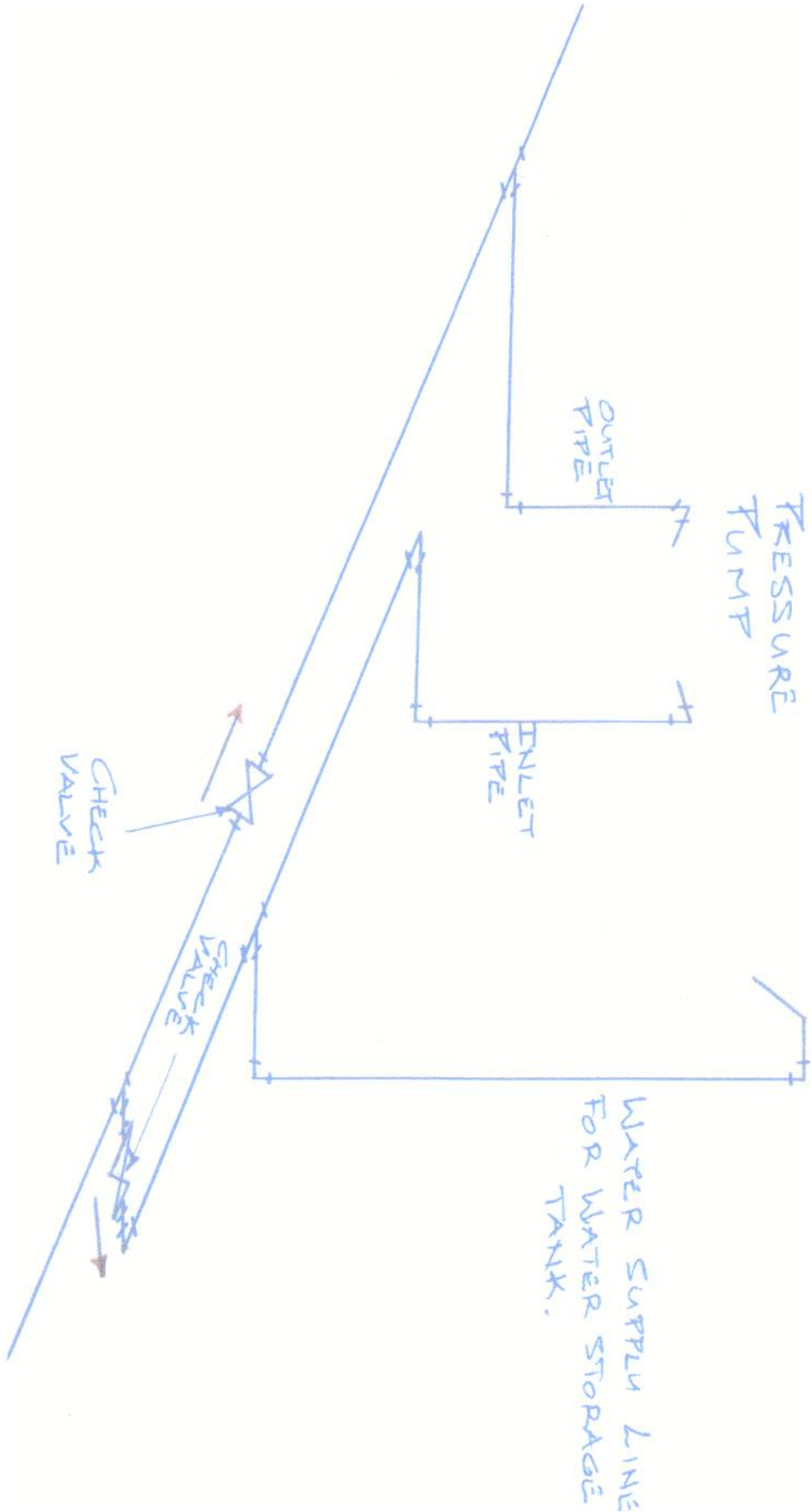
1. Interpret drawing
2. Cut and ream pipes
3. Assemble as per instruction (dry fit)
4. Install
5. Review measurement and assemble



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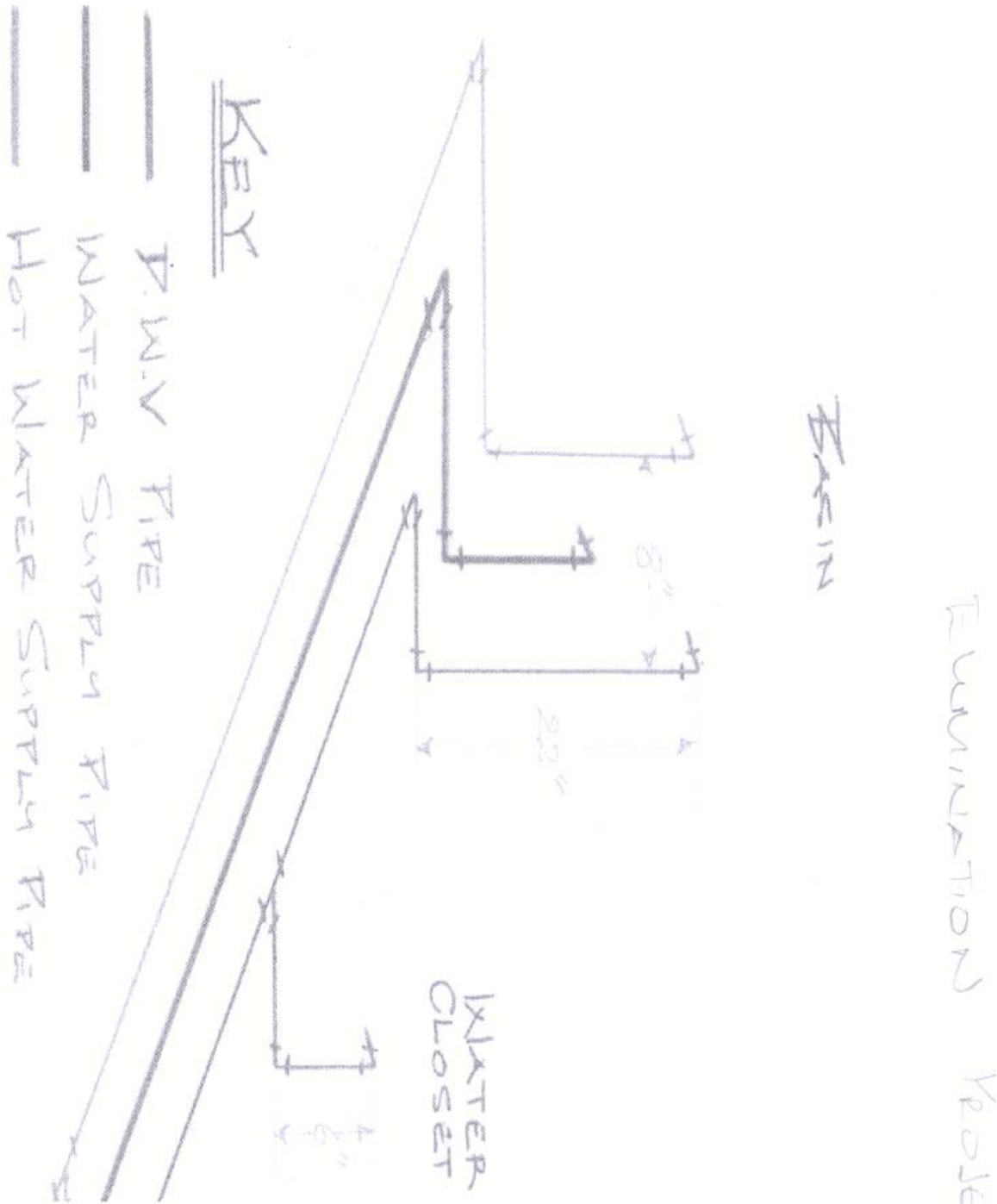
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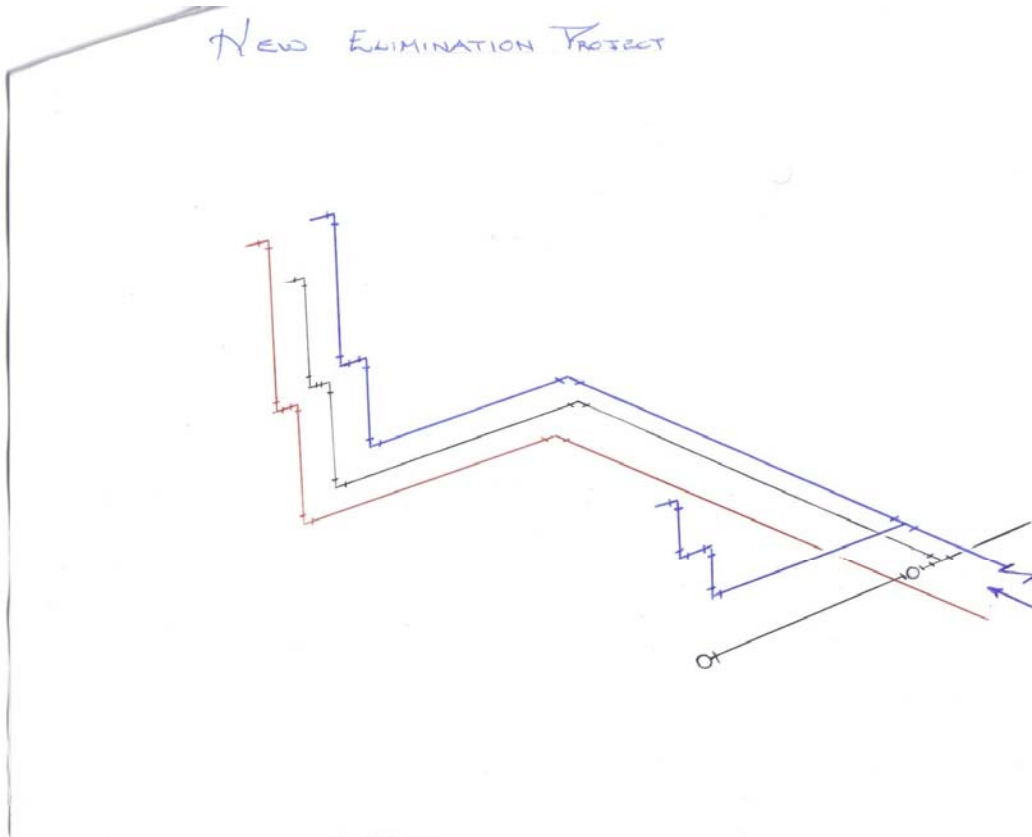
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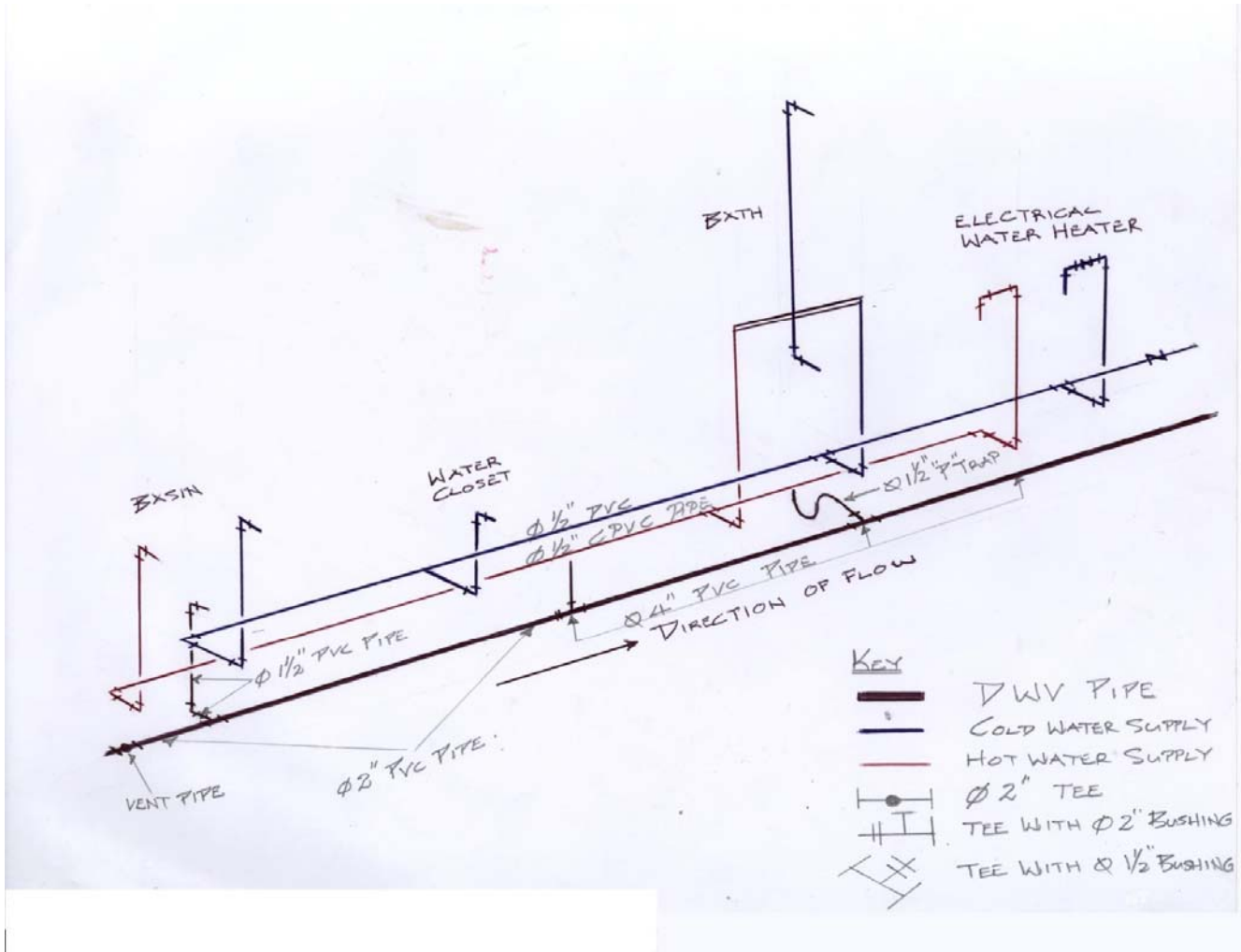
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**Materials**

1 water closet  
1 bowl wax  
1 4" Closet Flange  
1 Pair of Water Closet Hold Down Bolt  
1 Counter Top Basin  
1 Basin Cover  
1- 1 1/2" P trap  
3 -Angle valve  
15- 1/2" 90 degree PVC elbow  
15- 1/2 "90 degree CPVC elbow  
5- 1/2 "PVC tee  
5 – 1/2 " CPVC tee  
2- Universal Basin Flex Tube  
1-Universal Water closet flex tube  
5-1 1/2" 90 degree Bend  
15- 1/2 " Male Adapter PVC  
15- 1/2 " CPVC Male Adapter  
5- 1/2 " Chrome Nipple  
3- 3/4 "x 1/2 " Galvainze Bushing  
8- 1/2 " Ball Valve  
2- Rolls of Teflon Tape  
1- Length of 4" Pipe PVC  
1- Length of 2" PVC Pipe  
2- Length of 1/2 " CPVC Pipe  
1- Length of 1/2 " PVC Pipe  
5- 1 1/2 " Pipe Strap PVC  
10- 1/2 " Pipe Strap PVC  
24- 1" Dry Wall Screens  
12- 2 1/2 " Dry Wall Screens  
2- 2" DWV Tee  
2- 2" PVC Plung & Adapter  
2- 4" x 2" PVC Bushing  
1- Sayco Bath Mixer  
1- Left Hand Bath Mixer  
1- Bath Waste with overflow  
1/4 Pint Solvent Cement  
1/2 " Pint Solvent Cleaner  
10 Feet of 1 1/2 " Pipe PVC

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**Marking criteria**

**OBJECTIVE MARKING**

**FORM 5**

**WorldSKILLS JAMAICA 2008**

Skill Area Plumbing

Competitor # \_\_\_\_\_

Criterion #	Aspect of Criterion Description	Mark allotted for objective marking	Total Mark received for objective Marking	Total Mark received for Subjective Marking	Overall Mark Awarded
1	Interpretation of Drawing	15			
2	Measurements	10			
3	Layout	10			
4	Time Management	5			
5	Assembling	12			
6	Leaks	11			
7	Alignment	12			
8	Functionable	15			
8	Position of Fittings (direction of Flow)	10			

**Total Mark awarded** \_\_\_\_\_

**SIGNATURES** \_\_\_\_\_

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<b>Judge 1</b>	<b>Judge 2</b>	<b>Judge 3</b>	<b>Judge 4</b>

<b>Chief Judge</b>
<b>Date</b>

**CIS scoring**

**All competitors will be scored using the Computer Information System (CIS) – (400 to 600 possible points)**

**500 – Medallion of excellence**

**Top three scores will receive gold, then silver, then bronze**

**SUBJECTIVE MARKING**

**FORM 5A**

**WorldSKILLS JAMAICA 2008**

**Skill Area**   Plumbing  

**Competitor #** \_\_\_\_\_

Criterion #	Aspect of Criterion - Description	Judge score (Out of 10)					Mark Awarded
		1	2	3	4	5	
1	Preparation						
2	Selection of Tools						
3	Use of Tools						

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4	Job Knowledge						
5	Material Usage						
6	House Keeping						
7	Safety						
8	Presentation						
9	Creativity						
10	Originality						

**Formula for Subjective Marking total score:**

**Exclude the highest and the lowest score and find the average of the remaining three.**

**Total Mark awarded \_\_\_\_\_**

**SIGNATURES**

<b>Judge 1</b>

<b>Judge 2</b>

<b>Judge 3</b>	<b>Judge 4</b>

<b>CHIEF JUDGE</b>
<i>Date</i>

**Score for subjective marking should be entered on form 5 for total score.**