

Skills USA 2011-2012 District 10 Competition

Butler County AVTS

Competition Title: Team Works

Clothing Requirements: Shop/Competition appropriate clothing and safety glasses Work Boots or approved footwear, hard hats are not required but can be worn.

Eligibility Registered: SkillsUSA member enrolled in Carpentry or Electrical Occupations Programs or Building Construction.

Equipment: Each team member must have a tool belt with their hand tools. Each team will supply their own Individual hand tools, circular saws, sawzall, drill motor and bits, extension cords with a GFCI protector, step ladders, levels, squares, stair gauges, hole or jig saw, calculator, and any other tools needed to complete the scope of work. No lasers or miter boxes/ chop saws or air nailers permitted.

Scope of Work Construct: a 4'x8' bathroom as per the drawings and specifications provided. Rubric will be provided. All teams will receive their drawings and specifications by January 2,2012.

Contact Information: Frank Raypush Building Construction Instructor at Butler County

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Scope of Work Team Works

District Competition

Floor Framing

- 2x10 Joists *16"* OC
- 2x10 Solid Bridging
- %T&G Sub-Floor
- (4) Double 2x4 Legs

Wall Framing

- 2x4x Precuts Studs *16"* OC Exterior Walls
- 2x4 Plates/ Double Top Plate Exterior walls
- *7/16"* OSB Sheeting
- 2x4 Precuts Stud *16"* OC Interior Wall
- 2x4 Plates/ Double Top Plate
- 2x4 Braces On Top Of Wall

Stair Framing

- 2x12 Stringers
- 2x12 Treads
- Open Risers
- 2x4 Railing (1 Side)

Electrical

- 100 Amp Main Panel
- 1 GFI Receptacle on Dedicated Circuit

- 1 Wall Mounted Light and Single Pole Switch On Dedicated Circuit

Plumbing

- Locate and Mount Toilet Flange
- Run PVC Sewer Drain to Location Shown on Drawing

Materials List Below is the materials list/costs for each team. Eighty Four Lumber has agreed to **Donate** all lumber material for the competition

QUANTITY	DESCRIPTION	UNIT PRICE	PRICE
6	2x4x8 Plates, handrail, braces		
23	2x4x precuts studs		
4	7/160SS sheeting		
2	2x4x12 legs		
1	2x12x16		
6	2x10x8		
1	% OSS T&G sub-floor		
1	2x4x10 interior wall plate		
1	4"x10' schedule 40 PVC toilet drain pipe		
1	4" elbow		
1	4" toilet flange		
	Allowance for wire, wire nuts and staples		

Scoring Sheet

SkillsUSA District 10 Competition

Team Works

Carpentry 500 points Possible

Plumb 50 40 30 20 10 0 (5 point deduction for each 1/8") Straight 50 40 30 20 10 0 (5 point deduction for each 1/8") Layout 50 40 30 20 10 0 (5 point deduction for each 1/8") Stairs 50 40 30 20 10 0 (5 point deduction for each 1/8") Nailers 50 40 30 20 10 0 (5 point deduction for each 1/8") Top Plate 50 40 30 20 10 0 (5 point deduction for each 1/8") Square 50 40 30 20 10 0 (5 point deduction for each 1/8") Accuracy 50 40 30 20 10 0 (5 point deduction for each 1/8") Nailing 50 40 30 20 10 0 Spacing and quantity and quality Neatness 50 40 30 20 10 0 Overall appearance

Total Points for Carpentry_____

Electrical 100 Points Possible

All Devices are in Place 25 20 15 10 5 0 Wires are Stapled to Code 25 20 15 10 5 0

Wiring is neat & straight 25 20 15 10 5 0

Connections are correct 25 20 15 10 5 0

Total Points for Electric_____

Plumbing 75 Possible Points

Correct Location of flange 25 20 15 10 5 O Correct slope of pipe 25 20 15 10 5 O Accuracy of hole

in plywood 25 20 15 10 5 O

Total Points for Plumbing_____