

# TEST PROJECT CABINETMAKING

WSI2018\_TP24\_actual

Submitted by: Furniture & Fittings Skill Council

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## **SKILL DESCRIPTION :-**

Cabinetmaking Covers the Manufacture of Free Standing Cabinet and Built in Furniture and Units, Using Wood at the Sole or Main Material. It May Include the Design of Furniture, but Normally Comprises the Creation of Furniture and Units from Designs Prepared by Others. Cabinetmaking Differs from Joinery through the Quality of the Wood and associated Material Used, and the Intricacy and Aesthetic Quality of the Finished Items. There is, however, Some Overlap between Cabinetmaking and Joinery.

A Cabinetmaker generally works on Commercial and Residential Assignments of a High Quality and Value.

The Cabinetmaker will Produce, interpret and/or adapt Drawings, Set out and Measure, Cut, Form Joints, Assemble, Install if need be and Finish to a High Standard. The Quality of his/her Work will Show in:

1. The Selection of Wood and Other Materials.
2. The Placing of the Wood to bring out its Particular characteristics.
3. Construction Techniques which allow for the Natural Movement of Timber to achieve longevity and quality in the Furniture Piece.
4. The Section of additional Materials including Veneers and Fittings.
5. The near Perfect fit of each part following Accurate Measurement, Cutting and Assembly.
6. The final appearance of the Item.

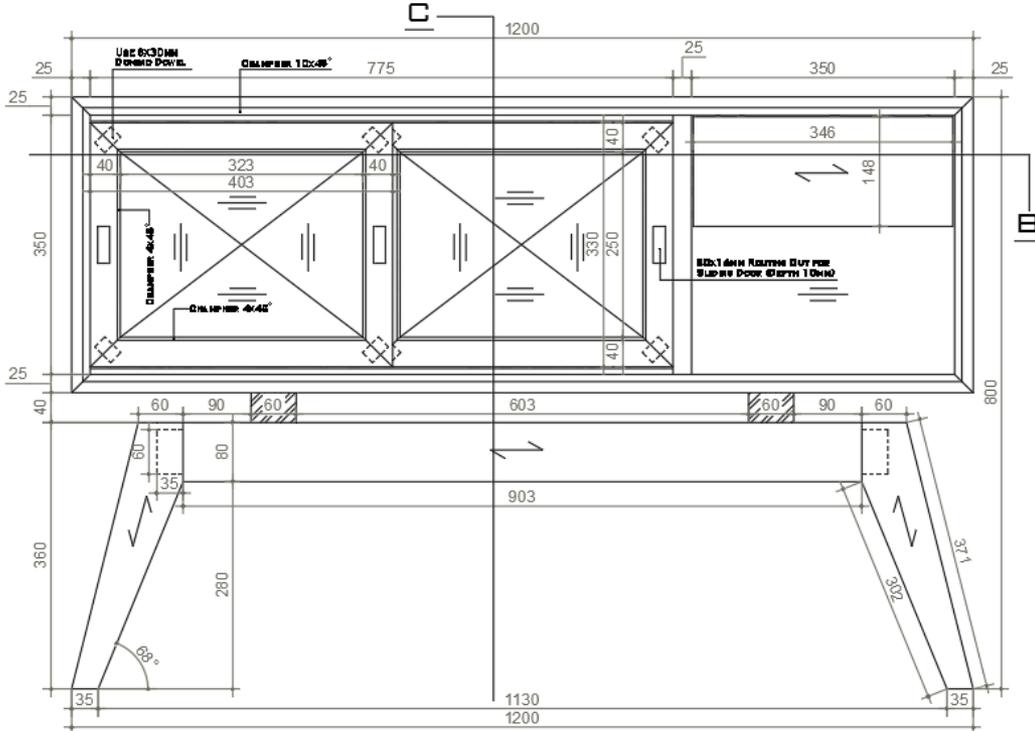
**TEST PROJECT DRAWINGS (3D VIEW):-**



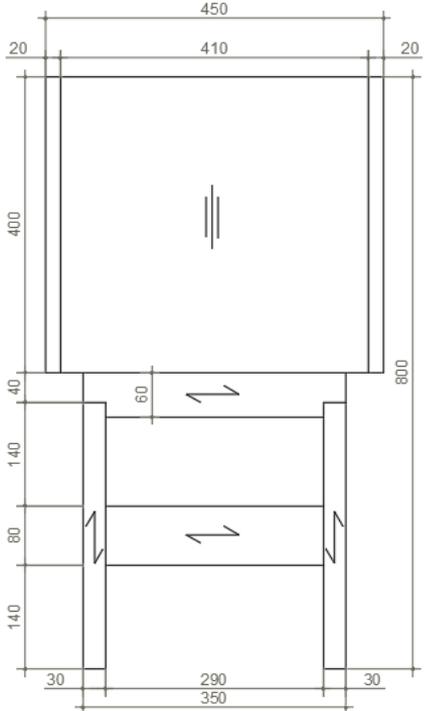
# TEST PROJECT DRAWINGS (2D ELEVATION VIEW):-



PLAN



FRONT ELEVATION



SIDE ELEVATION



# MARKING SCHEME:-

MAIN DIMENSIONS = 17

CONFORMITY TO DRAWING = 8.50

JOINTS BEFORE GLUING & FACE MARKING = 17.75

JOINTS AFTER GLUING = 21

FITTING & MOVEABLE PARTS = 9.75

VENEERING = 10

SURFACES = 12

HEALTH & SAFETY = 01

USE OF MATERIAL = 03

TOTAL = 100

# INFRASTRUCTURE LIST:-

| Description                        | Qty. | UOM    | Remark         |
|------------------------------------|------|--------|----------------|
| Working Table With Bench Vice      | 1    | Nos    | Per Competitor |
| Mitre Saw (Kapex KS 120)           | 2    | Nos    | Per Skill      |
| Sanding Maschine (ETS EC 150/5)    | 3    | Nos    | Per Skill      |
| Panel Saw (Altendorf WA8)          | 1    | Nos    | Per Skill      |
| Cordless Drill (CXS)               | 3    | Nos    | Per Skill      |
| Vertical Band Saw                  | 1    | Nos    | Per Skill      |
| Track Saw (TS55)                   | 2    | Nos    | Per Skill      |
| Jigsaw (PS 300)                    | 2    | Nos    | Per Skill      |
| Router (OF1010)                    | 3    | Nos    | Per Skill      |
| Router Bit Set                     | 2    | Box    | Per Skill      |
| Multifunctional Table MFT3         | 2    | Nos    | Per Skill      |
| Festool Bench Mounted Router Table | 2    | Nos    | Per Skill      |
| Drill Bit Set                      | 2    | Box    | Per Skill      |
| Sanding Papers (80,120,180,220)    | 5    | Papers | Per Grit       |
| Bessey Clamps 1500mm               | 12   | Nos    | Per Skill      |
| Bessey Clamps 600mm                | 16   | Nos    | Per Skill      |
| Festool Lever Clamp                | 12   | Nos    | Per Skill      |
| Bessey Clamps 400mm                | 10   | Nos    | Per Skill      |
| Firmer Chisel Set                  | 1    | Set    | Per Competitor |
| Mortise Chisel Set                 | 1    | Set    | Per Competitor |
| Mortise Gauge                      | 1    | Nos    | Per Competitor |
| Mallet                             | 1    | Nos    | Per Competitor |
| Stationery                         | 1    | Set    | Per Competitor |
| Hand Planer                        | 1    | Nos    | Per Competitor |
| Hand Saw                           | 1    | Nos    | Per Competitor |
| Try Square                         | 1    | Nos    | Per Competitor |
| Bevel Square                       | 1    | Nos    | Per Competitor |
| Domino Maschine (DF500)            | 2    | Nos    | Per Skill      |
| Domino Biscuits 20x4mm             | 30   | Nos    | Per Competitor |
| Domino Biscuits 30x5mm             | 30   | Nos    | Per Competitor |
| Domino Biscuits 30x6mm             | 10   | Nos    | Per Competitor |
| Domino Biscuits 50x8mm             | 20   | Nos    | Per Competitor |
| Guide Rail For TS55 (800mm)        | 2    | Nos    | Per Skill      |
| Screws 35x6mm Phillips Head        | 50   | Nos    | Per Competitor |
| Screws 15x3.5mm Phillips Head      | 25   | Nos    | Per Competitor |
| Measuring Tape 3M                  | 1    | Nos    | Per Competitor |
| Masking Tape 1"                    | 2    | Nos    | Per Competitor |
| Geometry Box                       | 1    | Box    | Per Competitor |
| Fevicol SH 200g                    | 2    | Box    | Per Competitor |

Note : Separate Dust Collector with all the Machines.

## **INSTRUCTIONS TO THE COMPETITOR:-**

The cabinet is to be constructed with the aid of machinery except for dovetails which must be cut by hand.

The unit consists of a Carcase which is mitered on all corners these corners will be jointed with biscuit joints the quantity and position of the biscuits will be your own judgement.

The Carcase is supported on leg Frame which are shaped and are connected to the Carcase with Biscuits.

The unit has a drawer made with traditional construction.

The cabinet door is made with Mitered joints on All Corners with Domino Dowel. Door Slide on using Wooden Batten.

Classic Drawer Sliding on Solid Wood Piece 30x25mm.

The work should be carried out in a safe manner and should not exceed the maximum working time of 22 hours.

## **HEALTH , SAFETY AND ENVIRONMENT ASPECTS:-**

The Workshop Manager is responsible for the Safety measures on the Machines, including the use of Safety glasses and hearing protection.

All Machines should be Properly guarded.

For all Machines wooden safety aids may be requested by Experts.

Compressed air is not to be used for dust removal.

The Light conditions must be uniform for all Competitors and must be a minimum 300 lux at each bench top.

All Circular Saws must have a riving knife and top guard.

Chop (Drop) Saw may not face the public.

Experts are to check safety of all machines and to make a decision 'Safe' or 'not Safe'.