



Mr. John Flint.

Ref: WS20-07-02R1

Contact: Wesley Shufflebottom

27th July 2020

Dear Mr. Flint,

Re: Proposed Non Load Bearing Agricultural Building in Bridgend – revised quotation.

Thank you for your enquiry. The following quotation is for a steel framed building to **B.S.5502-22:2003 + A1:2013 - Agricultural Specification - CE Marked to Execution Class 2**

- Size of Building** - 90ft Long x 40ft Wide x 14ft to Eaves.
12.5° Pitch. In 6 no. 15ft Bays.
Length is measured C-C of steelwork
Width is measured to external of steelwork
- Stanchions** - 254 x 146 x 31 Kg/m U.B.
- Rafters** - 203 x 133 x 25 Kg/m U.B.
- Purlins** - MetSEC
- Eaves Beam** - Treated Timber 8ins x 3ins and a CHS Eaves Tie
Timber to be grade C16 minimum

Wind bracings and all bolts and fittings included.
Holding down bolts, templates, cones & washers included.

Steelwork shotblast to B.S. SA 2.5. Painted 75 microns Zinc Phosphate High Build Primer - Colour 14C39 (Green)

Roof Cladding Natural Grey P6R Fibre Cement with choice of Vented, Alternate Vented or Closed Ridges

With 12No 5ft long , 8oz SAB Class 3 rooflights with red caps as per Health & Safety requirements.

All rainwater goods, i.e. 170mm Deep Style Grey or Black PVC Gutters and Grey Or Black PVC Downpipes.

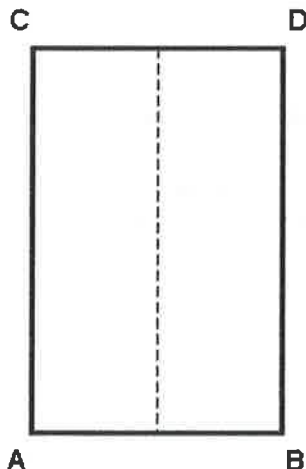


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Side Cladding



Please indicate North on compass above



--- Ridge Line

We hope we have understood the orientation of your intended building.

End A-B

Down **8ft** below eaves level in Vertical 0.5mm Shufflebottom 1000/32 Plastic Coated Box Profile with MetSEC side rails.

Allowing for:

1 No. opening 10ft wide x 10ft high

Incorporating 2 No. Gable Columns of 203 x 133 x 25 Kg/m U.B.

End C-D

Down **8ft** below eaves level in Vertical 0.5mm Shufflebottom 1000/32 Plastic Coated Box Profile with MetSEC side rails.

Allowing for:

1 No. opening 10ft wide x 10ft high

Incorporating 2 No. Gable Columns of 203 x 133 x 25 Kg/m U.B.

Side A-C

Down **8ft** below eaves level in Vertical 0.5mm Shufflebottom 1000/32 Plastic Coated Box Profile with MetSEC side rails.

Side B-D

Down **8ft** below eaves level in Vertical 0.5mm Shufflebottom 1000/32 Plastic Coated Box Profile with MetSEC side rails.

Customer to confirm what is intended to be installed below box profile. If concrete panels are required, we can provide these as an optional extra

Diagonal side bracing has been allowed for within the above design. if these cause an obstruction additional portal bracing may be require which would incur and additional cost.

Price to supply, including Holding Down Bolts..... £

Delivery charge on a rigid vehicle..... £

Price to erect in one visit on foundations by others, includes all plant as necessary and includes handrail and safety nets in accordance with current Health & Safety Regulations..... £

Price to supply and deliver to site 2no 95mm thick x 1.2m high pre-cast concrete wall panels to the perimeter of the building less 2no 10' wide openings in the centre of each gable. Price includes for steel landing cleats and support angles – includes for delivery to site on a rigid vehicle..... £

VERY IMPORTANT NOTE: The above price is based on today's material costs.

Whilst every effort is made to ensure that this quote could hold for delivery in the next 6-8 weeks

Shufflebottom Limited cannot guarantee this. Please liaise closely with Shufflebottom with regard to the price.





- We would draw your attention to the enclosed RIDBA pamphlet outlining the client's responsibility in line with CDM Regulations.
- Power (Generator or Mains connection) along with welfare facilities at site are to be supplied by the customer.
- Screw thread protectors are not included for at time of quotation.
- Fire protection of steelwork if required is NOT undertaken by Shufflebottom Limited.
- Scaffolding if required due to limited perimeter access or a roof pitch over 17.5° Pitch has not been included for within the erection charge listed.
- Our erected price, if quoted, is in accordance with Health & Safety Regulations and assumes that there is a firm hard standing to the area of the building, plus a 3.5m clearance to the perimeter for safe working access and lifting equipment. If space is constricted, please discuss with us as scaffolding may be required which has not been included for within the erection charge listed.
- Strictly Subject to Site Survey by our Health and Safety Officer.
- No on-site painting is included for, except for touching up transport damage and erection damage. Colour variation is likely however.
- We have not included for any Foundation works.
- All material off cuts and packaging to be disposed of by the client.
- All GA's and fabrication details will be produced by ourselves for your approval prior to procurement and therefore commencement of fabrication
- We will require a layout area for our steels onto a suitable sub base to allow storage and part assembly as required within a reasonable distance from the erection area.
- We have assumed that the ground is suitable for our erection plant and access plant without the use of additional load spreader plates and ground conditions will be maintained for the duration of the works.
- All welfare facilities are to be provided free of charge by yourselves.
- All holding down bolts will be supplied by ourselves for your civil contractor to cast in place, these must be installed to NSSS tolerances, and be free to move within the cone. Cones must be removed prior to the commencement of steel erection.

Additional Items if Required: -

Galvanise Steelwork..... £

Shufflebottom to set out foundations, set levels and place holding down bolts complete with cones, washers and templates in concrete. Grouting in of holding down bolts by others..... £

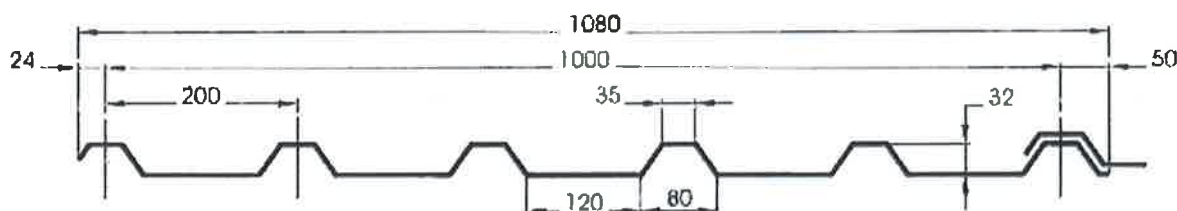
Excavator hire and supply of concrete by customer. All excavating, locating of underground services, casting of concrete and removal of spoil to be carried out and supervised by others.

If top of pad is greater than 500mm below finished floor level or the foundation is greater than 1200mm deep either trench supports or additional labour may be required on site, if required this will incur additional costs.

Shufflebottom 1000/32



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VAT EXTRA

Notes

All material off-cuts and packaging to be disposed of by client.

The above price assumes there are no boundary conditions. If there are please contact us. Planning permission does not constitute as building regulation permission. This is a separate application. If you need further details or clarification, please contact us.

Design of building assumes a soil bearing capacity of 150kN/m² and a level site; additional steelwork will be an extra cost. This quotation allows for column lengths at 300mm below finished floor level. Note that all cones used for casting holding down bolts must be removed by others prior to the commencement of the installation of the steel frame.

Unless specified steelwork is for a non-loadbearing frame and not intended for the bulk storage of aggregates, rock salt or similar. If you require a building for these uses, please bring it to the attention of our Sales Staff.

Our erected price, if quoted, is in accordance with Health & Safety Regulations and assumes that there is a firm hard standing to the area of the building, plus a 3.5m clearance to the perimeter for safe working access and lifting equipment. If space is constricted, please discuss with us. We may be unable to erect all or some parts of the building if a suitable hard-standing is not provided. This includes the access to the location of the building for vehicle deliveries. If there are services near the proposed building, please notify us.

Shufflebottom Ltd will not work within 2m of materials containing asbestos.

Exact colour and profile of cladding for extensions or lean-to's cannot be guaranteed.

Please note where insulated products are quotes, the quotation is based on a standard detail and not an enhanced detail. We have not included for forming an air seal against any block work / dwarf wall / base or to other trades' materials.

A telehandler and a self-propelled mechanical elevated working platform (Genie 45' MEWP) is included for to enable the erection/installation works to be carried out. Any specialist plant will be costed as additional to contract.

Scaffolding or standing access equipment if required due to restricted perimeter access has not been included for within the erection charge listed.

The price quoted is strictly subject to Site Survey by our Health and Safety Officer.





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Solar Panels

If it is your intention to locate solar panels on the roof, Shufflebottom Limited will initially prepare a preliminary design for quoting purposes, if this enquiry follows through to an order a set of Structural Calculations will have to be prepared this will also give you peace of mind that the building supplied is suitable for purpose. The charge to provide design certification & structural calculations is £950.00

We would draw your attention to the enclosed RIDBA pamphlet outlining the client's responsibility in line with CDM Regulations.

Any galvanised product i.e. galvanized gutter or flat galvanized sheets must be stored inside if stacked together to ensure protection against white rust.

All fabricated Steel Framed buildings must be manufactured in accordance with BS EN 1090-2. All constituent products and fabricated parts of a steel frame can only be made from CE marked product wherever a standard applies.

Shufflebottom Ltd has been assessed and approved by BMTrada for being able to manufacture steelwork for use in buildings (Execution of steel structures) and has demonstrated compliance where either a harmonised standard or European Technical Assessment is in force.



FACTORY PRODUCTION CONTROL CERTIFICATE # 1224-CPD-0248

Shufflebottom Ltd designs and details Structural Steelwork in accordance with our Design Protocol as certified by BM Trada and in accordance with BS EN 1090-1:2009.

Declaration Method either 1; 3a or 3b – dependant on Tender documentation.

Shufflebottom Ltd manufactures Steelwork in accordance with BS EN 1090-2:2008 and implements and maintains a Factory Production Control Manual and is certified by BM Trada.

Geometric parameters of materials will be supplied and manufactured in accordance with EN1090-2.

Shufflebottom Welding Procedure, specifications are qualified in accordance with BS EN ISO 15614-1:2004 + A2:2012

Shufflebottom Welder qualifications – welders are approved to the following specification BS EN 287-1: 2011 / BS EN ISO 9606-1:2013

To enable Shufflebottom Ltd to provide a quotation, the building is unless stated above, based on the following details:

GENERAL information:



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- 1.0) Buildings are **Class 2** to BS5502-22:2003+A1:2013
- 2.0) The Rafters and Columns are assumed to be restrained.
- 3.0) **LOADING:**
 - 3.1) Dead - 0.200 kN/m^2
 - 3.2) Service - 0.020 kN/m^2
 - 3.3) Live - 0.432 kN/m^2 Snow Zone 4 at 100m Altitude (*Refer Fig NA.1 Characteristic ground snow load map NA to BS EN 1991*)
 - 3.4) Wind - The Basic Wind Speed is taken as 25m/s at 100m altitude (*Refer Fig NA.1 Basic Wind Velocity $V_{b,map}$ (m/s) NA to BS EN 1991*)

Yours sincerely,

Wesley Shufflebottom
SHUFFLEBOTTOM Ltd
E.& O.E.

