MURRAY
STEEL BUILDINGS

t 0330 094 8590
e info@murraysteelbuildings.com
w www.murraysteelbuildings.com

Murray House
13 Abbey Park Place
Dunfermline, Fife, KY12 7PT

Tuesday, 15 September 2020

Mr D Brown
171 Frizington Road
FRIZINGTON
CA26 3QZ

Dear Derek

May I firstly take this opportunity to thank you for your enquiry and interest in our products.

I now have the pleasure of providing you with a full quotation to supply a bespoke steel building designed exactly to your own dimensions and specification.

Murray Steel Buildings has been in the making for the past 15 years, during which our founders dominated the cold rolled steel building industry we know today. We were the **FIRST** cold rolled steel building supplier in the UK to achieve **CE accreditation** to EN1090 for Design Protocol and Factory Production Control Procedures. We pride ourselves in providing clear and concise information whilst remaining the most cost effective in our industry.

I genuinely hope that this quote meets with your approval, however please contact me should you wish to change or clarify anything.

Assuring you of my best attention at all times.

Yours Sincerely

Peter Murray

Peter Murray
Operations Director

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Quotation Ref Number:	Date:	Quote Validity:
200915160701	15/09/2020	30 Days

Customer Name:	Customer Phone:	Customer Mobile:
Derek Brown	0	07751 223877

Customer Address:	Delivery Address:
171 Frizington Road FRIZINGTON CA26 3QZ	Same as Customers Address

Your Building Specifications:

Framing: Made from cold rolled Cee-section columns and rafters. All Purlins used are **Top-hat sections.** *(improved strength over zed purlins)*	All framework is hot dipped **galvanised steel** to **BS EN 10346:2009 Fe E390G-Z275.** The sections are designed to **BS EN 1993-1-3:2006** using a combination of rational analysis and component testing.
Wall Detail: 35mm Box Profile Wall Cladding, 40mm Composite. Plastisol coated steel sheeting.	Colour: Olive Green – BS No. 12B27 *(Please see website for colour chart)*
Roof Detail: 35mm Box Profile Roof Cladding, 40mm Composite. Plastisol coated steel sheeting. 10 degree pitch with skylights.	Colour: Olive Green – BS No. 12B27 *(Please see website for colour chart)*
Doors: 1x 2500mm x 2100mm Manually Operated Roller Door (Olive Green) 1x **12 Point Locking Secure** Personnel Access Door (Tele Grey – RAL No. 7045)	Windows: N/A
Rain Water: Guttering & Downpipes - **Galvanised Steel** hot dipped in Plastisol coating, Olive Green. All Base, Eaves & Ridge Fillers Included.	Fixings: All necessary screws ***(coloured cap-less finishing screws)***, bolt sets, masonry anchors, screw caps, brackets required to erect this building are supplied.

Your Building Dimensions:

Sizes: 9m x 9m x 3m to eaves with a 10 degrees pitch roof.
Style of Building: Insulated Building with 1x Roller Door & 1x PA Door.

Erection Cost: [redacted]	**Supply Only:** [redacted]
Estimated Base Installation Cost: Please Call	**All prices are exclusive of VAT.**

Additional Information:

1) Quotation Includes Delivery

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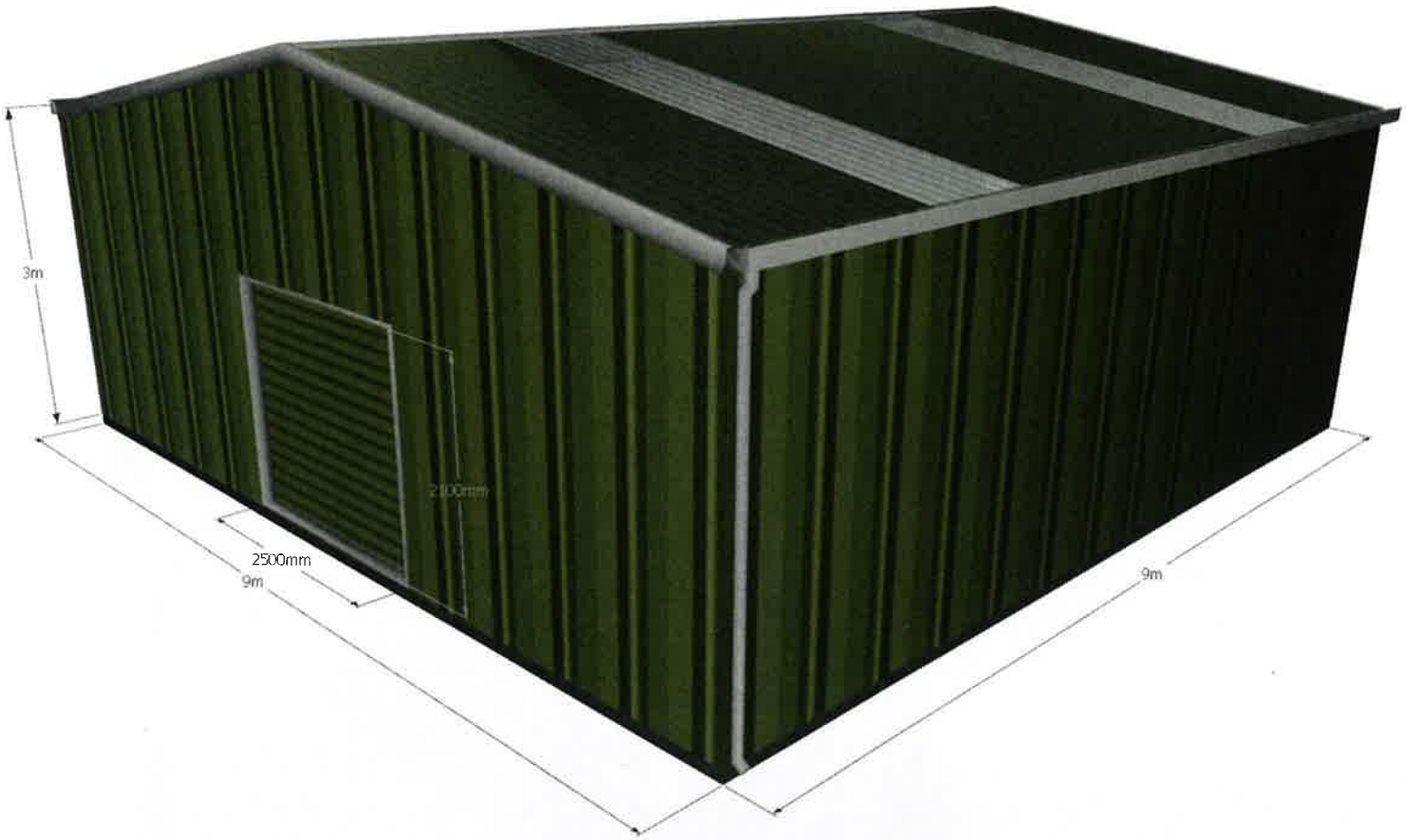
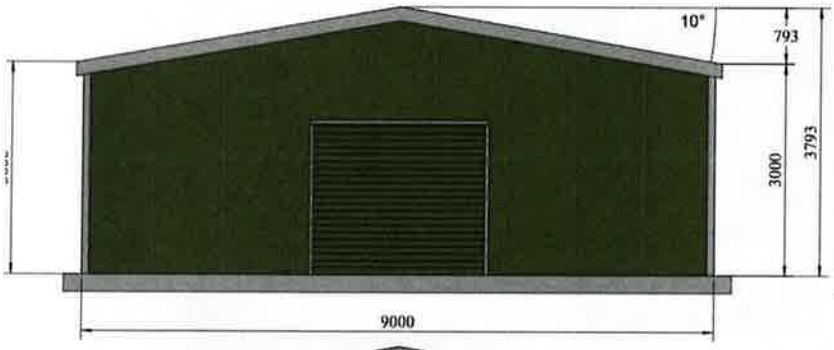
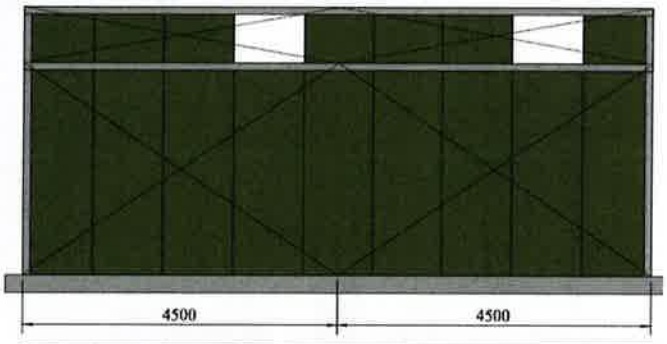
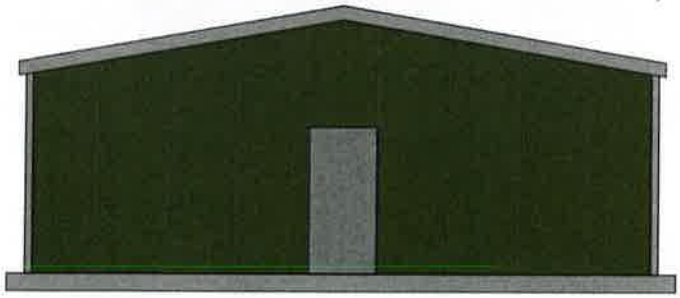
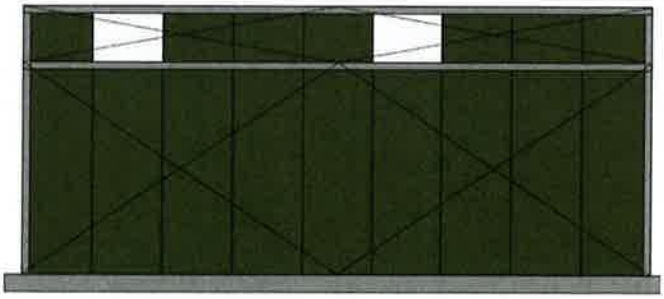
Representational Drawings & Illustrations











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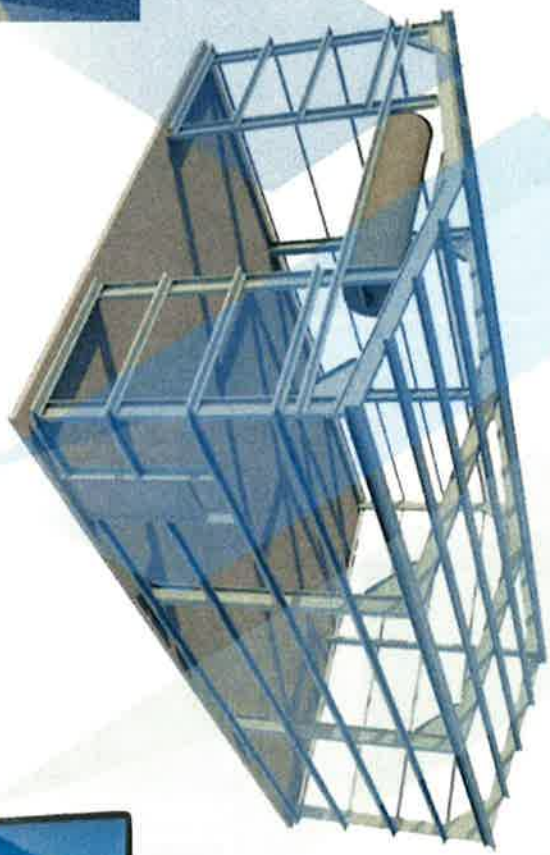
Murray Steel Buildings – Methodology

Heavy-Duty 6mm Thick Base Cleats

Efficiently Designed Portal Frames; Fit For Their Environment



Fully Designed And Quoted By In-House Team

Strong, Precisely Sized, Bolted Connections

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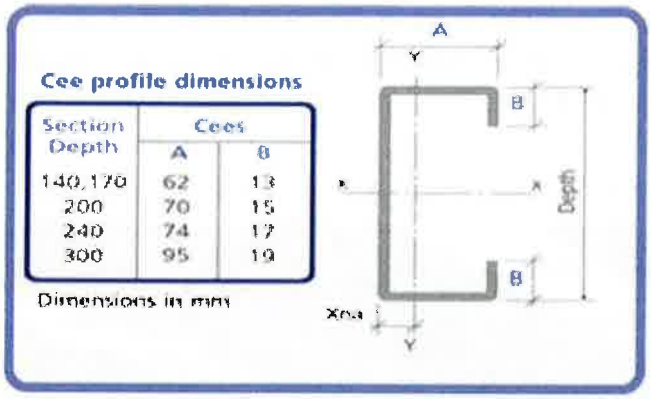
Cold Rolled 'C' Sections

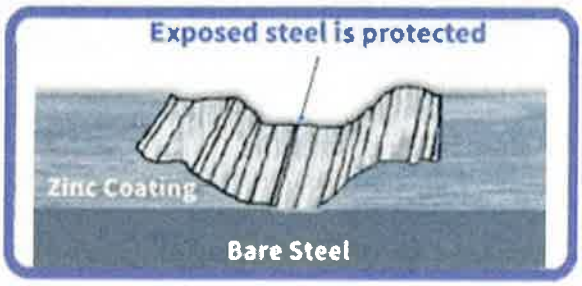


Cold rolled steel sections are incredibly strong for their weight. This means the combination of cold-rolled steel and portal frame methodology allows relatively small steel sections to span long distances.

This reduces the cost of materials and due to the reduction in weight compared to traditional construction, lifting equipment is kept to a minimum, resulting in shorter construction times and reduced erection costs.

Cold rolled steel profiles can be stacked into very compact loads. This allows a large building to be transported in a small package, significantly reducing transportation costs. All cold rolled steel sections are cut-to-length with punchings predetermined by our in-house design software; effectively providing your steel building in kit form.

All cold rolled sections are fully galvanised as standard ensuring excellent durability at no extra cost. The galvanising works like a protective, sacrificial coating which will keep your frame from rusting in the elements. This will ensure your building stands the tests of time



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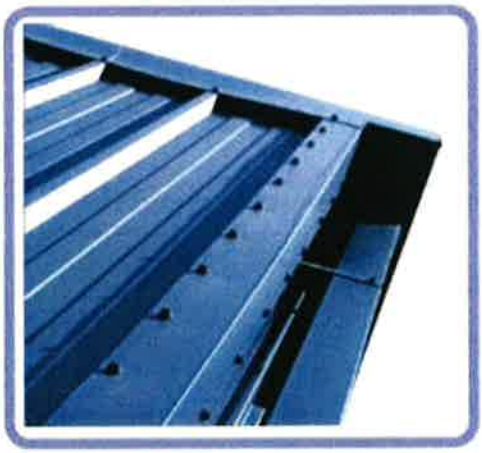
Single Skin Wall and Roof Panels

The single skin cladding systems consist of coated steel sheets rolled into five different profiles which offer rapid coverage and swift completion of a waterproof building envelope. Standard external weather-sheets are available in 0.5 and 0.7mm thicknesses and in a large variety of colours.

The roof sheets on our single skin buildings are also available with "Dripstop" anti-condensation membrane on reverse. Whilst this does not completely eliminate moisture build up the membrane does hold moisture and allows natural venting. The system includes a comprehensive range of fixings, sealants, guttering, flashings and rooflights.



Gutters and downpipes are available in a variety of materials in matching or contrasting finishes. Complete gutter systems and accessories can be manufactured to specification and the AS35 system includes a comprehensive range of matching rooflights, guttering, flashings and sealants.

Profiles have a predicted service life of 40 years and are manufactured in a process certified to **ISO 9001:2008.** The base steel is hot-dip galvanised to **BS EN 10346:2009** in a range of 33 different colours. Please see our Colour Selector brochure or website for more details. The box profile single skin sheet is **economic** sheeting in a **robust** profile that offers high strength and long lengths.

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Composite / Insulated Panels

AS35 insulated panels consist of a core of polyisocyanurate (PIR) insulation sandwiched between a heavily profiled external weather sheet and an internal shallow profiled liner. The PIR insulation bonds to the steel sheets during the manufacturing process, together the insulation and steel form strong, rigid panels with good thermal performance.

Table 7: U-values for AS35 panels

Panel thickness (mm)	U-value (W/m^2K)
40	0.50
60	0.35
70	0.30
80	0.25
100	0.20
110	0.18
120	0.16
130	0.15

PIR insulation is used in the AS35 panels because it has a low thermal conductivity: for a given U-value panels with PIR cores will be thinner than those with mineral wool or EPS cores. PIR can withstand higher temperatures than PUR and will limit the spread of flame.

AS35 panels have a cover width of 1m and are available in various thicknesses. The standard external weather sheet is 0.5mm thick and the internal liner 0.4mm thick. The steel is hot-dip galvanised to BS EN 10327:2004 then finished with one of a number of high-quality coatings.

Table 8: Fire performance to LPS 1181:2005

LPBC ref	Panel	Thickness (mm)	Orientation	Integrity (minutes)	Insulation (minutes)	LPS 1181 Grade	Core material
635a/08	AS35	40, 60, 70, 80, 100, 110, 120, 130	V	N/A	N/A	EXT-B	PIR
635a/09	AS35	60, 70, 80, 100, 110, 120, 130	V	120	15	EXT-A15	PIR

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Brackets and Base Fixings

Our frames are fully bolted together: All brackets and base fixings are fully galvanised and predrilled, ready for assembly. This feature makes installation simpler, reduces the potential for human error and is consequently less labour-intensive to install. All framing components are bolted.

Fixings

Fixings for roof profiles provide restraint against wind uplift forces; those for wall profiles provide restraint and support. Whilst profiles may be fixed through valleys or crowns, we recommend valley fixing: accurate fixing is easier to achieve, loads on the fixings are smaller, the fixings are less likely to distort the profile, and better compression of the sealant is achieved at end laps.

Colortite Screws

The integration of the durable Drillitite SD Stainless steel fasteners with the Colortite nylon moulded head produces a fastener with exceptional resistance to weather and corrosion.

Rooflights

Rooflights can be supplied to meet project requirements for light transmission, durability, non-fragility rating, fire resistance and thermal performance. In an insulated building the rooflights are double or triple skinned and do not compromise security.

PA Doors

Our secure steel doors are designed to integrate perfectly with our steel cladding systems. There are two door types; a fire rated emergency escape steel door and a **twelve point locking security** steel door, each insulated to BS EN 1634-1:2000:

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Roller & Sectional Doors

There are endless options when it comes to doors but the most popular options are the four listed below;

1) Domestic Roller Doors
2) Light Industrial Roller Doors
3) Industrial Roller Doors (Class 5)
4) Insulated Sectional Doors

All doors above can be electrically or manually operated.

Our **Roller Doors** are plastisol coated to the colour of your choice extending the life of your roller door.

Roller Doors offer huge benefits over the traditional 'up and over doors'; they minimise the impact on the internal space and reduces wear on guides and moving parts. Please do not hesitate to ask us about our roller door options as these can make the difference between a building being 'fit for purpose' or not.

Our **Sectional Doors** can be supplied in two thicknesses, 40mm and 60mm, these offer an insulated option where temperature control is important.

Sectional doors with a 40-mm-thick PU-foamed section are especially robust, offering excellent thermal insulation.

With the 60-mm-thick sectional doors with thermal break, you benefit from a very high thermal insulation. Its excellent insulation value (up to 0.48 W/m²K) is achieved thanks to the thermal break between the exterior and interior of the steel section. This also minimises the formation of condensation water on the inside of the door.

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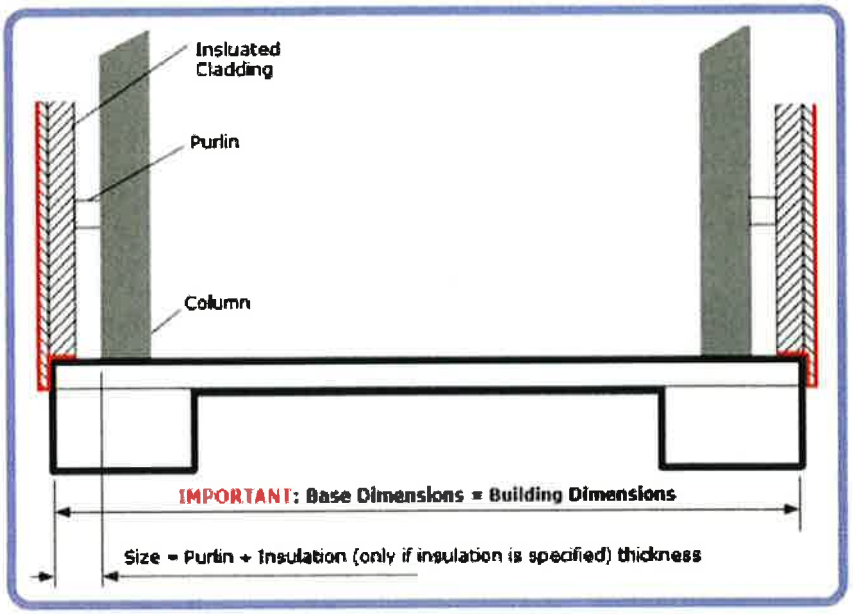
Base/Foundation Information

Our buildings should be erected onto a correctly prepared slab to ensure your buildings upward and downward forces are accommodated.



To ensure a weather seal we recommend creating a base that is raised off ground level by a minimum of 50mm to allow our cladding to overhang the base and promote water to run away from the structure. Our buildings can be erected on to oversized bases/yards however this does introduce the need for an alternative method of creating a seal around the perimeter of the building, please call us to discuss the options available.

The image to the right shows a single skin arrangement where the whole panel overhangs the base and creates the rain water run-off.

It is essential that a detailed conversation about how your proposed building will be mounted takes place prior to ordering the structure. If the building is not erected onto a pre prepared base we will need to introduce additional materials to promote a weather seal if this is important.

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Customer Order Confirmation

I am happy to proceed with the order for the above quoted building, subject to Murray Steel Buildings terms & conditions (as enclosed within this quotation).

Quotation Ref No. 200915160701

I have made a BACS/CHAPS payment for the deposit of 30% of the **vat inclusive price** = £……..

Signed ..... Print.....

Date: ……

***The balance will be due 10 working days prior to delivery, we will advise nearer the time.**

We ask that you carefully read page 2 of this quotation and confirm details below:

Building Dimensions:

Width……m. **Length**……m. **Eaves Height** ……m.

Cladding Requirements:

Walls: Single Skin / Composite ….mm. **Roof:** Single Skin / Composite ….mm

Skylights: Y / N Qty…… **Anti-Con Barrier to roof sheets:** Y / N

Colours:

Roof:..... **Walls:**.....

Flashings: ..... **Other:** .....

Roller / Sectional Door sizes:

Door 1: Width……Height:…… Colour:…… Elec Motor inc. Y / N

Door 2: Width……Height:…… Colour:…… Elec Motor inc. Y / N

Door 3: Width……Height:…… Colour:…… Elec Motor inc. Y / N

Door 4: Width……Height:…… Colour:…… Elec Motor inc. Y / N

PA Doors: Single / Double (delete as required): Qty……(Powder Coated Tele Grey)

Hinge location: LH / RH (doors open outwards, hinge viewed from outside)

Quoted Price £…… Ex VAT, includes delivery

MSB Erection Team Required? **Yes/No** (circle as required)

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Delivery & Erection Info Quotation Ref : 200915160701

Customer Name: _____

Site Address: _____ **Post Code:** _____

Contact Tel.: _____ **Mobile**: _____ **Email:** ___

_____

The following information will ensure that the delivery will be carried out efficiently;

	Yes	No
Can an Articulated Lorry (up to 60`long) enter, exit and turn?		
Will there be someone onsite to assist in the unloading of materials?		
Can the vehicle park in front of the property?		
I give the delivery driver permission to enter the site		
Is the property Residential? Rural? Industrial?		

Do you have any further information that may affect the delivery of the building?

.....

We aim to provide an assisted off load, however this cannot always be guaranteed. Delivery within the M25 may be charged an extra fee if assisted offload is required, if you require this please ask for a quote.

- Please note: The building **will not** be delivered until payment for the kit balance is made.
- All materials remain the property of Murray Steel Buildings until full payment is received.
- The driver will only enter a site with the customer's permission and will not take any responsibility for any damage the vehicle causes to surface materials, any underground services or perimeter boundaries.

Important: If the driver cannot unload after arriving at the scheduled delivery address on the allotted date, the customer may be charged a second delivery charge or will have to arrange uplift from the suppliers depot.

The following check list will ensure efficient erection of the building by our onsite team.

We want the build process to be straightforward, these questions are intended to help eliminate any nasty surprises!	Yes	No
Is there a correctly prepared base on to which the building to be erected?*		
I agree that the building components will be near but clear of the base		
Is there clear access, above and within **1.5m** around the perimeter of the base?**		
Will there be 110v power supply on site and 240v available for charging hand tools?		
Do you require MSB to arrange skip hire? (cost will be added to erection invoice)		
Building erection access to be gained by use of aluminium scaffold towers, ladders and harness supported roof access. Is this acceptable?***		

**Building base should be as per supplied footings diagram or similarly agreed design.*
***We require a minimum of 1.5m clear access around the perimeter, if you do not have this please discuss with Murray Steel Buildings prior to ordering, access restrictions may result in additional time on site and subsequent labour costs.*
****Murray Steel Buildings' recognised build method is confirmed within our RAMS, any alterations to the build method may result in additional time on site and subsequent labour costs.*

I acknowledge the terms above including;

The building erection quotation is subject to the above conditions being met.

Customer Signature: _____ DATE_____

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PAYMENT TERMS

30% non-refundable deposit is required at time of order, cheques, BACS or CHAPS transfer to our account. Order will be processed on receipt of cleared funds and signed and completed copies of Order Confirmation and Delivery & Erection info forms.

Remaining 70% is required 10 days before despatch from the factory, where delivery is delayed by the customer; final balance may still be required on original due date depending on the manufacturing stage.

Quote and Order Terms:

1) Prices exclude VAT.
2) Prices are based on supply only of building in kit form and separate erection fee.
3) Where the proposed structure requires Engineering Construction Calculations Certificate or SER Certificate the cost of any changes arising must be met by the Customer.
4) The customer is responsible for all approvals (Planning Permission, Building Warrant, Engineers Certificates etc) required for this building. Load bearing capacity of the land is assumed at 100kN/m²
5) The erection fee is based on installation team having unhindered access using Murray Steel Buildings' recognised build method, please ask to see our RAMS in advance if you require clarification of these methods. A minimum of 1.5m clear space/hard standing around the external perimeter of the proposed building location and pre-installed base to Murray Steel Buildings design and dimensions must be provided. If any of these points are not met the erection fee may be revised to reflect additional time on site.
6) All buildings are constructed to metric dimensions. Any imperial measurements quoted are solely for the convenience of customers and should not be considered to be accurate.
7) Customer must accept delivery within 7 days of notification from supplier.
8) We will endeavour to supply the building in the time scales indicated in our quotation, but will not be contracted to, held responsible for, or accept liability for any subsequent losses, damages or costs due to late delivery of the building, or due to circumstances out with our control.
9) We will endeavour to erect the building in the time scales indicated in our correspondence, but will not be contracted to, held responsible for, or accept liability for any subsequent losses, damages or costs due to late installation of the building, or due to circumstances out with our control.
10) All materials remain the property of Murray Steel Buildings until full payment is received. Where the erection costs are to be invoiced this must also be paid in full within 5 days of erection work completion.
11) Customer is responsible for all-base works and construction of kit.
12) Price does not include any of the following (unless otherwise stated):

    Electrical or plumbing work, ▪ Demolition or removal of existing building material from site.▪ Site clearance (this includes waste materials from erection work, erection team will place waste materials and packaging in one area or dispose of into a skip if provided by the customer) Murray Steel Buildings costs do not include skip hire. ▪ Assembly of kit or base construction costs. ▪ Architects, engineers or local authority fees.
13) Price includes delivery to customer owned site only (unless otherwise stated). (Please see separate delivery form for further info.) Delivery to any other site will be at Murray Steel Buildings' discretion only.
14) The driver will only enter a site with the customer's permission and will not take any responsibility for any damage the vehicle causes to surface materials, any underground services or perimeter boundaries.
15) If driver is unable to make delivery due to poor access, customer not present etc, a second delivery charge will be payable.
16) The driver will not uplift any surplus materials from site.
17) Any damaged or missing parts must be notified to Murray Steel Buildings within 48 hours of delivery.
17) Murray Steel Buildings will register the manufacturers warranty, the period of which is dependent on the location (i.e. coastal, marine etc). The life expectancy is in the region of 40 years for a well-maintained building.
18) Drawings supplied are copyrighted to Murray Steel Buildings.