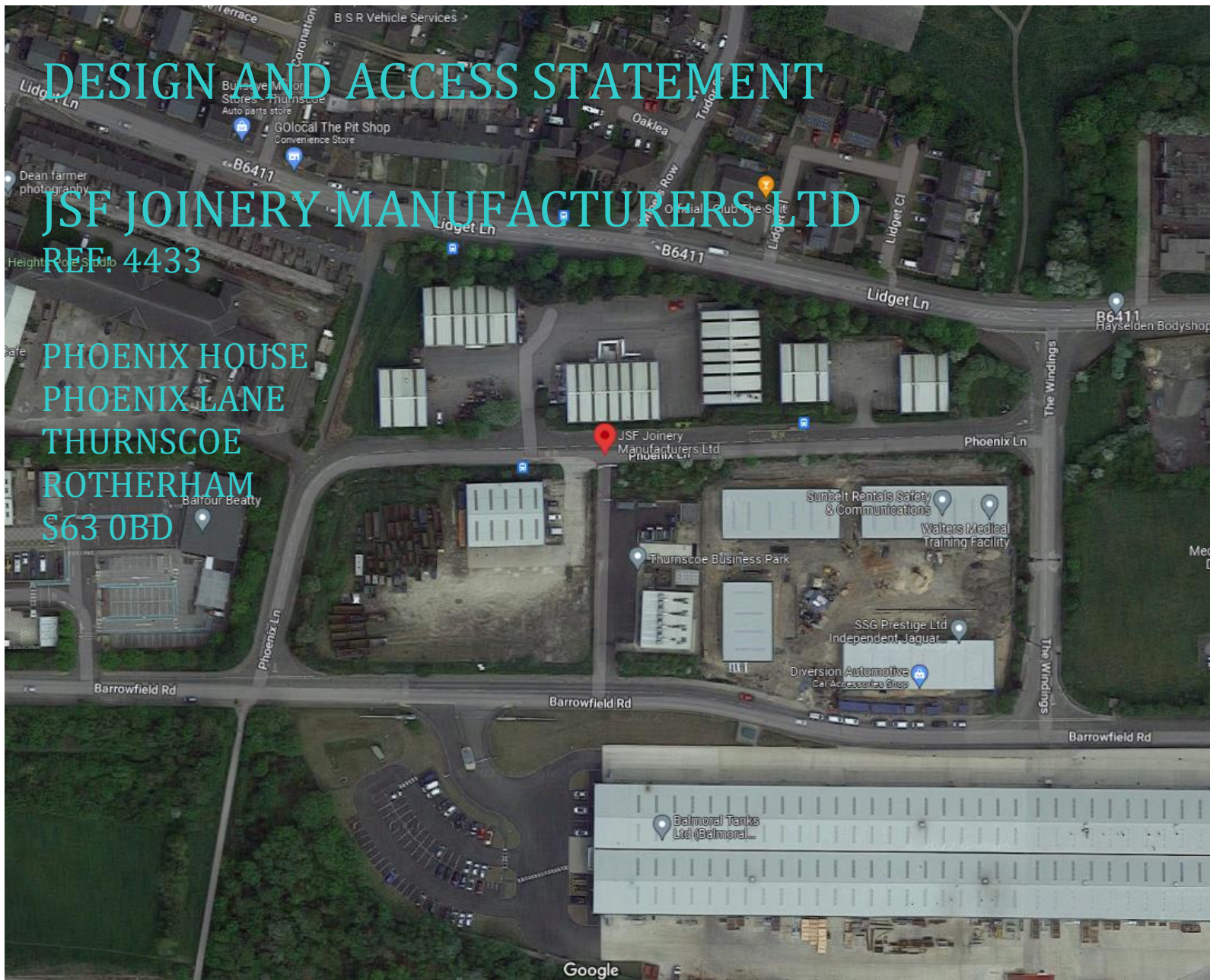




NORTH LINCS STRUCTURES LTD

STEEL'S OUR FORTE!



EXTENSION TO EXISTING MANUFACTURING FACILITIES

9TH SEPTEMBER 2022

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INTRODUCTION

This design and access statement has been prepared by North Lincs Structures Ltd for the proposed development at JSF Joinery Manufacturers Ltd.

This document will detail the proposed development and outline the key design principles and intended final use.

Our client JSF Joinery Manufacturers Ltd, are based in Thurnscoe, Rotherham having started the company 8 years ago, James Featherstone, the managing director, has seen the company grow profoundly with many repeat high end customers returning for further projects.

The company's production facilities are currently 25m x 20m workshop based in Thurnscoe. They boast state of the art in-house machinery:

- CNC Production - Felder format 4 H80 Nesting CNC router
- CNC Edge Banding – HOMAG Edge bander
- CNC Panel saw- SCM 400 EP
- In-house 150m² spray shop
- Many traditional timber machinery

Continued investment, resources and loyal staff give their clients complete confidence in their expertise and superior quality of finish.

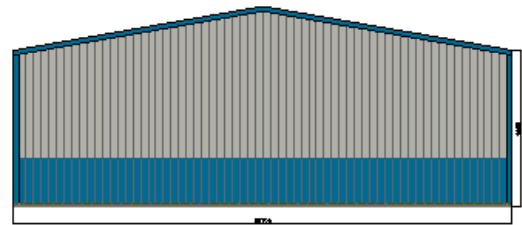
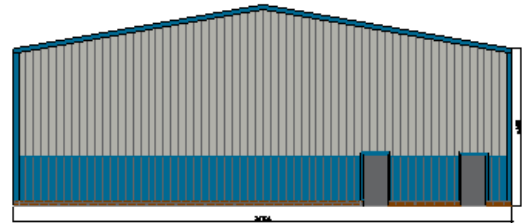
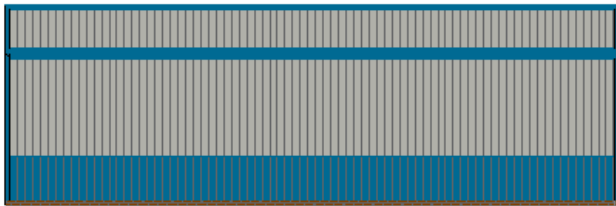
THE PROPOSAL

To double the current workshop facilities from 500m² to 1000m². It is our intention to remove the existing gable wall cladding and mid-posts and add an additional 5 frames at 5000mm centers. Following the same size, shape and colour scheme as the existing premises .

THE EXISTING SITE

The application site is currently a vacant area of land within JSF Joinery existing site. The application site is considered appropriate in terms of sustainability and proximity of the transport connections, local amenities and the current use of the site.

Our client JSF Joinery has outgrown their current facilities. Originally built for NCS Trailers in the early 2000's by MF Builders, it has served the company well but is no longer fit for purpose under the growth and demand seen by the business, in recent years.





DESIGN GUIDANCE

The new building will be designed as a single span portal, with room to expand in length, if future circumstances require it. North Lincs Structures has over 20 years' experience in the structural steel industry and with all our staff living within the local community, all have significant knowledge of the area.

Our main sources of reference for this design is the BS5950, Eurocode 3 (Part 1/8 and 10) and the Approved Documents of the Building Regulations.

All steelwork produced by North Lincs Structures Ltd, will be supplied in accordance with BS EN 1090-1 and CE marked to execution class 2.

The supply, fabrication and erection of steelwork will meet the specifications set out in the National Structural Steelwork Specification (NSSS) for building construction, 7th Edition.

Design and drawings.

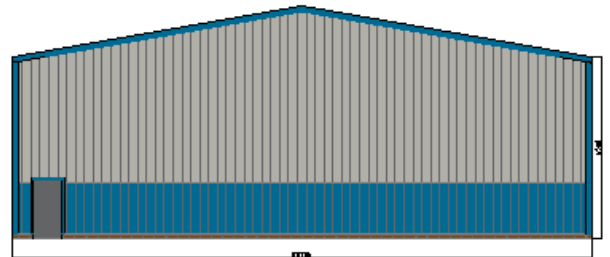
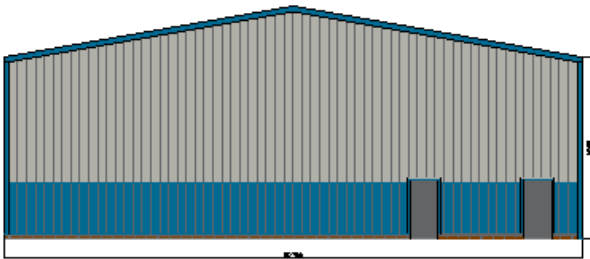
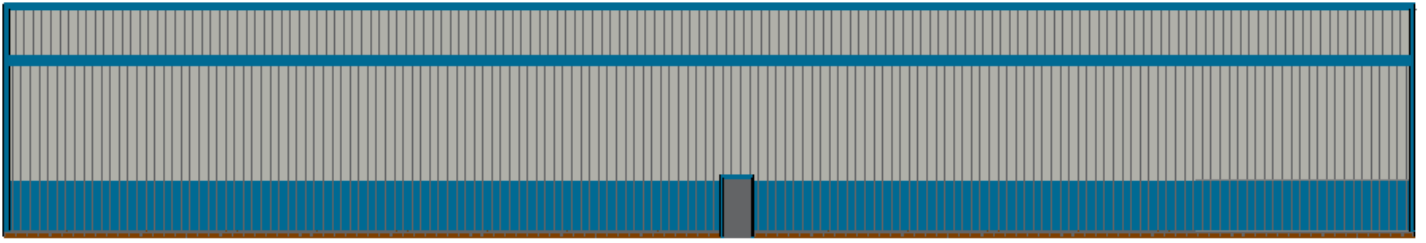
All structural steelwork designs, connection designs and groundwork design will be carried out in-house by our own structural engineer. All structural steelwork and its components will be designed in accordance with Eurocodes 3 or BS5950.

As erected general arrangement drawings, a drawing register, a complete structural calculation package and a DOM (Digital operations and maintenance) will be supplied electronically upon completion of the project.

PROPOSED 3D VIEW



PROPOSED ELEVATIONS



APPEARANCE AND MATERIALS

Our client would like to remain with the current colour scheme, we predominately will use JorisIde JI1000 cladding panels for the walls - 80mm core, the lower part of the walls will be Cornflower Blue (RAL 220 50 15) and the upper half Goosewing Grey (RAL 7038)

The roof will be clad in JI1000 -100mm core in Goosewing Grey (RAL 7038).

Flashings to the building and the doors will be in Cornflower Blue to match the existing unit.

Internally the main buildings will have a bund block wall to ease with the flashing, sealing and exclusion of water and vermin to the building.

All main steelwork will be supplied grade S355J0 (BS EN 10025-2), secondary steelwork will be Grade S275JR (BS EN 10025-2) and all hollow section members will be provided grade S355J2H Hybox (Cold formed) (BS EN 10219-2).

Unless specified otherwise all steelwork supplied by us will be thoroughly blast cleaned to SA 2½ BS EN ISO 8501-1 and painted with a zinc phosphate primer (C400V3), Dark Grey, with a minimum dry film thickness of 75µm or galvanized to 85 µm, BS EN ISO 1461.

The external and internal faces of the panel are 'Class 0' in accordance with Building Regulations when tested to BS476: Parts 6: 1989 and Part 7: 1987.

The JI Roof 1000 has a LPCB (Loss Prevention Certification Board) EXT-B Grade for 40-150mm core thickness.

40 years extended guarantee cover on Colourcoat HPS200 Ultra and 30 years on Colourcoat Prisma finishes, depending on location- UK zone areas 1 or 2.

10% - 15% roof lights will be allowed for, subject to design and client requirements. Brett Martin Trilite 3.0 Energysaver FAIR polycarbonate rooflights to be supplied, to suit JorisIde composite roof cladding.

They have a fire rating - SAB to BS 476 part 3 Class 1 to BS 476 part 7 rated Class 0, compliant with British Building Regulations and BS476 part 6.

SITE BOUNDARIES



VEHICULAR AND PEDESTRIAN ACCESS

Currently both pedestrian and vehicular access is via the sole entrance to the front of the site (East elevation), off Phoenix Lane. This gated entrance is to remain unchanged.

WELFARE FACILITIES

North Lincs Structures shall provide temporary site welfare for the duration of the project. With permanent welfare for staff of JSF, remaining unchanged by this extension.

TRADING HOURS

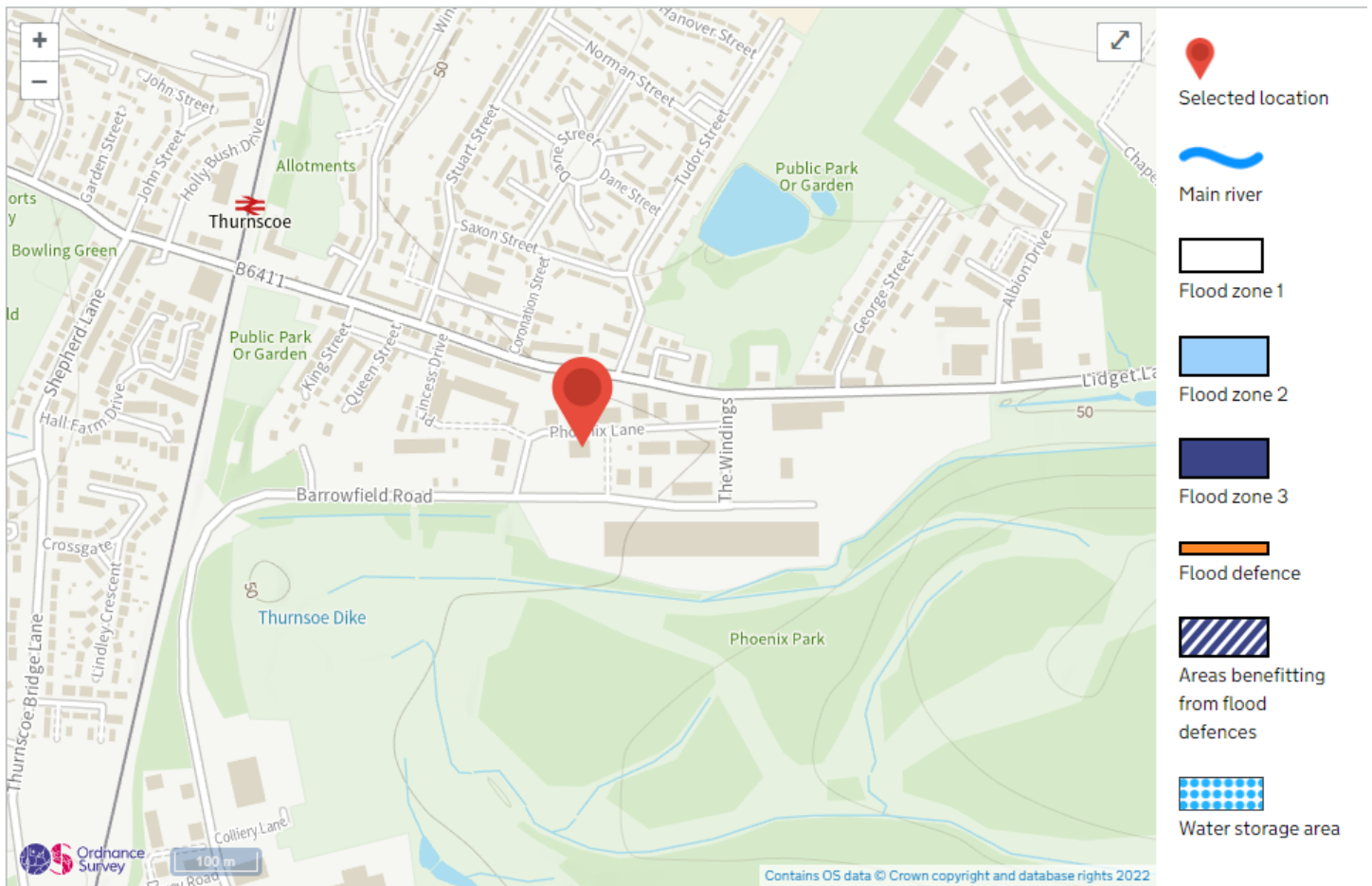
The manufacturing unit will operate within the same hours as the existing unit. Office hours will also remain unchanged;

Monday – Friday 08.00am – 17.00pm (offices) 06.00 – 17.00pm (Manufacturing hours)

Saturday manufacturing possible with overtime.

Sunday & Bank Holidays no trading

FLOOD RISK ASSESSMENT



Grid reference – SE 46333 05353
Easting 446333 Northing 405353

The environment agency deems the site as low risk of flooding, the site is situated with flood zone 1.

Internally the new buildings will have a bund block wall to ease in the flashing, sealing and exclusion of water and vermin to the building. The JorisIde cladding will be fitted and sealed in accordance with manufacturer recommendations.

All external personnel doors will be fitted with rain guards and all sectional doors fitted with rubber seals to the bottom.

We plan on keeping the surface water discharging into the mains system on site.

Drainage plan to follow with building regulations application.