

Structural **Engineers**

Civil **Engineers**

Building Surveyors







Structural Calculations

Project Reference 209663 Sheet number CC1

Site 40 Isaacs Road, Cobholm, Great Yarmouth

Client Miss Walker **Project Overview Extension**

Prepared By John Hutchinson

Checked By

Revision History August 2017 - First Issue

Design Information



Project Reference 209663 Date August 17
Sheet number CC2

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Client	Miss Walker
Project Address	40 Isaacs Road, Cobholm, Great Yarmouth
Project Description	Extension

Intended Building Usage	Domestic

Subsoil Conditions	Assumed Sands & Gravels	S.I. Report by	None
	20kPa Bearing Capacity		

Specialist Design by Others Lintels

Relevant British Standards, Codes of Practice and Design Standards Used In This Project				
BS 648:1964 - Weights of Materials	⊠	BS 5268 Pt 2:1996 - Timber	\boxtimes	
BS 6399 Pt 1:1996 - Building Loads	⊠	BS 5628 Pt 1: 1992 - Masonry	\boxtimes	
BS 6399 Pt 2:1997 - Wind Loading	⊠	Building Regs Approved Doc. A: 2004	\boxtimes	
BS 6399 Pt 3:1996 - Snow Loading	⊠	NHBC Standards	\boxtimes	
BS 5950 Pt 1:1990 - Steelwork	⊠			
BS 8110 Pt 1:1997 - Concrete				

CDM 2015 Design Considerations		Principal Designer:	Others				
This design has been considered under CDM 2015 - to eliminate, reduce or control foreseeable risks that may arise during construction, and the maintenance and use of a building once it is built.							
Risks - Consider those difficult to manage, unusual, or not likely to be obvious to a contractor or designer							
Area of Hazard	Assessed	Method of Hazard Elimination/Reduction		Method of Hazard Elimination/Reduction Residu		esidua	al Risk
Arca of Hazara	(Yes No N/A)				Ris	k	Significant
Access to work area	Yes	To be arranged by Client			×	1	
Demolition	Yes	Removal of existing wall(s)			×	ı	
Services	Yes	Contractor to identify services prior to construction			×	Ì	
Installation	Yes	Design elements as light as possible. Deliver elements as close as possible to installation point. Use mechanical plant for lifting			S 🗵	l	
Excavation	Yes	Contractor to provide all req'd shoring and propping			×	1	
Sequencing	Yes	Contractor's choice			×	I	
Falls from height	Yes	Contractor to provide scaffold, fall arrest and edge protection where required			×	l	
Post-tensioning/ pre-tensioning	N/A						
Materials	Yes	Contractor to adopt safe working practices. Wear PPE to prevent contact with hazardous materials.					
Hotworks	No	Prefabricate offsite where possible					
Future Maintenance	No	To be arranged by Client					
Final Demolition	No	Contractor designed					
Does this project require a separate Designers Risk Assessment? Yes				No	⊠		

Project Reference 209663

Sheet number CC3

Site 40 Isaacs Road,

Cobholm, Great Yarmouth

Client **Miss Walker**



Design Statement

Please refer to the accompanying design calculations and sketches.

Please refer to Architectural Drawings.

The property is....

Contents

	Start	End	Rev
Conceptual			
Gravity loading			
Wind loading			
Superstructure			
Substructure	01	02	
Stability			
Temporary Works			
Sketches			









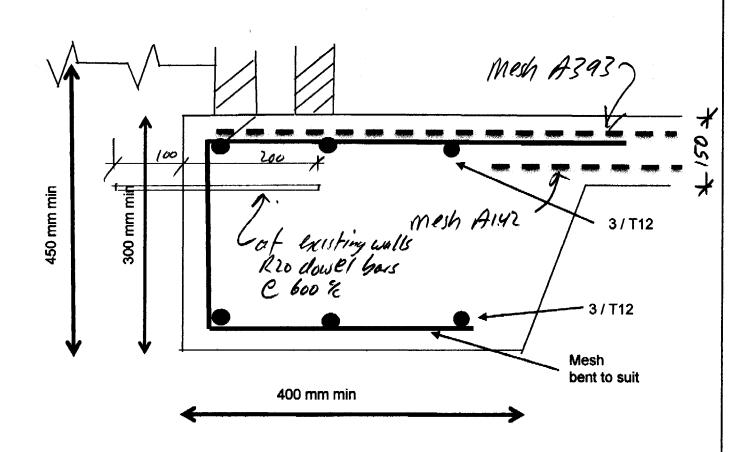


project ref project 209663 sheet no. revision checked client Wall load : Roof tweet 2 (1.8/m2x2.7/2) r(3.6/22/2-6) = 11.8/a M= 11.3x2x7.7 281WA C 150 Ap d, 2 120 Ast 2305 mm 2/m A393



project	project ref 209663	_ Canham
	section no. Sheet no. revision	Consulting
client	by checked date,	Structural Civil Building Engineers Engineers Surveyors

typical section through edge



Notes

Concrete grade RC35

Cover to reinforcement = 25 mm to top of slab and 50 mm elsewhere

Laps to reinforcement = 450 mm

Job Number: 209663

Sheet Number: CC4

Job Title: 40 Isaacs Road, Cobholm, Great Yarmouth



The Building Regulations

Building Regulations apply to most new buildings and many alterations of existing buildings in England and Wales, whether for domestic, commercial and industrial use. Compliance is a legal requirement.

Unless specifically requested, we assume that the Lead Consultant, Contractor or Client will communicate and coordinate with Building Control or an Approved Inspector throughout the project. This will include the timely issue of information.

Planning Permission

Most projects will require Planning Permission.

Unless specifically requested, we assume that the Lead Consultant, Contractor or Client will communicate and coordinate with the Planning Authority.

There will be instances when we communicate with the Planning Officers, for example on projects which may be sensitive in terms of conservation. However, unless specifically stated the lead will be taken by others.

The Party Wall etc Act

The Party Wall etc Act 1996 provides a framework for preventing and resolving disputes in relation to party walls, boundary walls and excavations near neighbouring buildings.

A building owner proposing to start work covered by the Act must give adjoining owners notice of their intentions in the way set down in the Act. Adjoining owners can agree or disagree with what is proposed. Where they disagree, the Act provides a mechanism for resolving disputes. The Act is separate from obtaining planning permission or building regulations approval.