

C	This di be repr The bu	awing is issued for the sole and exclusive use of the named oduced or amended except by written permission. Idding works depicted on this drawing are the copyright of JS	recipient an Structural E	d may no Engineers	ət ;
	The Co invert le respec Regula whethe checke	portractor is to check and verify all building and site dimension evels at connection points before work starts. The Contractor ts with current Building Legislation, British Standard Specif tions, Construction (Design & Management) Regulations, F er or not specifically stated on this drawing. This drawing r d against all relevant Engineers and Architects drawings and participation.	is, levels ar ir is to con ications, Bui Party Wall Ac nust be read all other sp	id sewer iply in all ilding st, etc. d with and becialist	l k
	docum CLIENT Constru	entation provided. 'S RESPONSIBILITY uction (Design And Management) Regulations 2015 (CDM)	2015) place	s	
_	respon respon the clie	sibilities on a domestic client. It is the client's responsibilit sibilities are passed onto the contractor, who must take or ent in addition to their own as contractor.	y to ensure the legal d	these luties of	
	If more princip inform design	than one contractor is to be used these responsibilities ca le designer. however, the pre-construction phase designer ed as a written agreement can be entered into between th er.	n be passed would nee e client and	1 to the d to be 1 principle	e
	Do not	scale. Work to given dimensions only.			
	NOTES	not scale this drawing.			
	2. Al	I dimensions are in mm unless noted otherwise.			
	3. Al cc	l dimensions, details, components and assemblies shall be ontractor prior to construction, manufacture or supply.	verified by	the	
	4. Al cc re	l materials, construction and details shown or implied by t omply with current British standards, codes of practice, pla gulations, H & SE legislation and clients particular specifica	his drawing nning / buil ations.	must ding	
	5. Co Er	onflicting information shown or implied shall be referred to gineers.) JS Structu	al	
	6. A	I steelwork design, fabrication and erection to be in accord	Jance with I	3S 5950.	
	8. Ex Pl	posed internal steelwork to be encased with 12.5mm Gyp asterboard or similar approved, to provide a minimum 30 otection.	roc Fireline minutes fire	2	
	9. A	l welds to be a minimum 8mm fillet welds unless noted other	wise.		
	10. A	l bolts to be Grade 8.8 to BS 3692 as noted.			
	11. A	l washers to be to BS 4320. eelwork surface preparation to be minimum blast clean to Sa	a2.5 OF BS7	7079 :	
	Pa ru 13. M	art A1 : 1989. or mechanically wire brushed to remove all sur st or millscale. inimum steelwork protective treatment applied immediately a	face contam	ination,	
	pr m 14. Al	eparation to be 2 coats of zinc phosphate epoxy primer appl inimum dry film thickness of 75 microns per coat prior to site I steelwork below ground level to be protected with 2No c	ied to achiev delivery. coats of hear	/e a vy duty	
	15. Al	l steelwork to have a minimum 100mm end bearing or 150)mm end be	earing for	r
	16. W	which spanning parallel to waits.	chieve a mi	nimum	
	14 17. Al	I padstones to be Class A Engineering Brickwork with type	(ii) mortar (or C50	
	сс 18 А	oncrete.	BS 729 mir	imum	
	19. He no	ickness of coating to be 85 microns. Dies in timber components for bolts should be as close as pominal diameter and in no case greater than 2mm larger th	oossible to t	he neter of	
	th 20. Pr	e bolt. e-drilled holes for nails should not be greater than 0.8 of t	he nail dian	neter.	
	21. A	I nails to be to BS 1202.			
	22. A	I wood screws to be to BS 1210.			
	23. Te cc st	emporary works during demolition / erection period is the intractor. The contractor should ensure all parts of the stru- abilised via propping and needles prior to the commencen	responsibili acture is add rent of the r	ty of the equately works.	1
	24. Al in su re	vestigation works been designed following initial site appraisal bu vestigation works being undertaken. It is the contractors resp ich opening up works prior to construction phase. Any discre ported to the engineer immediately	ponsibility to pancies sho	carry out	/
	25. It ex st	is the contractors responsibility to obtain accurate on site kisting structure prior to ordering / purchasing any materia ructural steelwork.	dimensions Is including	of the	
	26. In to	stallation of new beams in existing structures can cause cracking deflections. Some repair and decoration costs should be allowed	g to rooms al ed for.	oove due	
P01 Rev	. First Ame	issue ndments	22.06.21 Date	PS Drawn	PS Chk'd
St	atus:	Preliminary			
		chining y			
	М	1 Meadow View - Corby - NN17 1SR : 07980 256362 E: enquires@js-structural-engineers.co.uk W: www.js-st	ructural-engine	ers.co.uk	
Cli	ient:	Mr Graeme Stretton			
Pr	oject:	5 Cross Lane Aldwincle			
Tit	tle:	Roof Structural Steelwork Layout Showing First Floor Walls Below			

Showing First Floor Walls Below

Drg No: JS21025-01

Drawn: PBS

Scales: 1:25 @ A1

Date: June 2021

Rev: P01



ROOF STRUCTURAL TIMBERWORK LAYOUT SHOWING FIRST FLOOR WALLS BELOW SCALE 1:25

Heavy duty builders band nail fixed to - existing roof rafters and ceiling ties

Clie	ent:	Mr Grae	eme Str	retton	1						
	N	1: 07980 256362	E: enquires@	1 Meadow @js-structur	View - Co ral-engine	orby - NN2 eers.co.uk	L7 1SR W: www.j	js-sti	THE RES	eers.co.uk	
				Pre	limi	inar	У				
Rev Sta	Am Atus	endments :							Date	Drawn	Chk'
P01	Firs	issue							22.06.21	PS	PS
	20. II t	o deflections. So	ome repair	and deco	bration of	costs sho	ould be allo	owe	d for.	bove due	2
:	25. II e s	is the contrac xisting structu tructural steel	tors respo re prior to work.	onsibility ordering	to obta g / pur	ain accu chasing	irate on si any mate	ite eria	dimensions ls including	s of the	
:	24. / ii s	Il works have I ivestigation wo uch opening up eported to the e	been desig orks being o o works pri engineer in	ned follo undertake ior to con nmediate	owing in en. It is nstructio	itial site the cor on phas	appraisal ntractors re e. Any dis	l bu esp cre	t prior to op onsibility to pancies sho	ening up carry ou ould be	o / ut
:	23. T c s	emporary wor ontractor. The tabilised via pr	ks during contracto opping an	demolitio or should nd needle	ion / er l ensure es prior	ection p e all par to the	period is the s ts of the s commence	he stru	responsibil Icture is ad Ient of the	ity of the equately works.	e V
	22. A	Il wood screw	s to be to	BS 1210.							
:	20. P 21. /	re-drilled hole	s for nails o BS 1202	should n	not be g	greater	than 0.8 c	of tl	he nail diar	neter.	
	19. H n t	oles in timber ominal diamet he bolt.	compone ter and in	nts for be no case g	olts sho greater	ould be than 2	as close a mm largei	as p r th	ossible to t an the diar	he: neter of	
	18. A t	Il steel fixings nickness of coa	and comp ating to be	onents t e 85 micr	to be ho rons.	ot dip g	alvanised	to	BS 729, mii	nimum	
	17. A c	II padstones to oncrete.	o be Class	A Engine	eering E	Brickwo	rk with ty	pe	(ii) mortar	or C50	
-	16. V 1	Vhere specifie 40 microns DF	d, steelwo T.	ork to be	hot dip	ped ga	lvanised to	o a	chieve a m	inimum	
	15. A b	ll steelwork to eams spanning) have a m g parallel t	iinimum : to walls.	100mn	n end b	earing or :	150)mm end b	earing fo	or
	14. <i>F</i> S	II steelwork bo osroc Galvafro pecifications	elow groui id anti cor	nd level t rrosion zi	to be p inc galv	rotecte /anising	d with 2N paint, ap	o c plie	oats of hea ed to manuf	vy duty acturer's	i
	13. N p n	linimum steelw reparation to b hinimum dry filr	ork protec e 2 coats o n thicknes	ctive treat of zinc ph s of 75 m	tment a hosphat hicrons	pplied in te epoxy per coa	mmediatel / primer ap t prior to s	ly a ppli site	fter surface ed to achie delivery.	ve a	
	12. S F r	teelwork surfa art A1 : 1989. ust or millscale	ce prepara or mechan	ation to be nically wire	e minim re brush	num bla ned to re	st clean to emove all :	sur	a2.5 OF BS face contar	7079 : nination,	
	11. A	Il washers to b	e to BS 43	320.	_ uo nu						
9	9. <i>4</i> 10. 4	Il welds to be a	a minimum irade 8 8 tr	n 8mm fille o BS 369	let weld	s unles	s noted ot	her	wise.		
8	8. E P P	xposed interna lasterboard or rotection.	al steelwo similar ap	rk to be e oproved,	encase to prov	d with : vide a n	L2.5mm G hinimum 3	iypı 30 r	roc Fireline minutes fire	e	
(-	6. A 7. A	II steelwork de	esign, fabr eel to be g	rication a grade S35	and ere	BS EN	be in acc 10 025.	orc	lance with	BS 5950.	•
!	5. C E	onflicting info ngineers.	rmation sł	hown or i	impliec	d shall b	e referred	d to) JS Structu	ral	
	4. / c r	II materials, co omply with cu egulations, H &	onstruction rrent Britis & SE legisla	n and de sh standa ation and	etails sh ards, co d clients	own or odes of s partic	implied b practice, _l ular specif	oy ti plai fica	his drawing nning / bui tions.	g must Iding	
3	3. A c	II dimensions, ontractor prio	details, co r to constr	omponer ruction, n	nts and manufa	asseml cture o	olies shall r supply.	be	verified by	the	
-	1. C 2. A	o not scale thi Il dimensions	is drawing are in mm	i unless n	noted o	therwis	se.				
<u> </u>	NOTE	5:									
	desigr Do no	t scale. Work to	o given din	nensions	only.						
t I' F	the cl f mor princi	ent in additior e than one cor ble designer. h	n to their c ntractor is owever, tl	own as co to be use he pre-co ent can b	ontract ed thes onstruc	or. Se respo tion ph	onsibilities ase design	s ca ner	n be passe would nee	d to the d to be	
C r r	CLIEN Consti respo	T'S RESPONSIB uction (Desigr nsibilities on a nsibilities are c	ILITY And Man domestic bassed ont	nagement client. It	it) Regu is the contracto	llations client's or. who	2015 (CD responsib must take	M 2 vility	2015) place y to ensure h the legal (s these duties of	:
0	check	er or not specified against all reprint and the specified against	ically state elevant En	ed on the	anagen his drav and Arc	nent) R wing. T hitects	egulations his drawin drawings a	s, P ng n and	nust be rea	ct, etc. d with an pecialist	nd
i r F V	The C invert resper Regul	ontractor is to o levels at connects with curren	check and ection point at Building	verify all ts before Legislati	l buildin work stion, Bri	g and s starts.TI tish Sta	ite dimens ne Contra ndard Spe	sion acto ecifi	r is to con cations, Bu	nd sewer nply in a ilding	r all

 \vdash \rightarrow

Drawn: PBS

Drg No: JS21025-02

Scales: 1:25 @ A1 Date: June 2021

Rev: P01



© T b T a T ir	This drawing is issued for the sole and exclusive use of the name e reproduced or amended except by written permission. The building works depicted on this drawing are the copyright of J nd no liability will be accepted for amendments made by other per the Contractor is to check and verify all building and site dimension overt levels at connection points before work starts. The Contract	IS Structural E Prsons. Sons, levels ar	id may no Engineers nd sewer nply in al	ot S
	espects with current Building Legislation, British Standard Spec Regulations, Construction (Design & Management) Regulations, /hether or not specifically stated on this drawing. This drawing hecked against all relevant Engineers and Architects drawings a ocumentation provided. LIENT'S RESPONSIBILITY	ifications, Bu Party Wall Ac must be read nd all other sp 2015) place	ilding ct, etc. d with and becialist	d
ri ri t	esponsibilities on a domestic client. It is the client's responsibil esponsibilities are passed onto the contractor, who must take he client in addition to their own as contractor.	ity to ensure on the legal c	s these Juties of	
lf p ir d	more than one contractor is to be used these responsibilities rinciple designer. however, the pre-construction phase design iformed as a written agreement can be entered into between esigner.	can be passed er would nee the client and	d to the d to be d principl	e
<u> </u>	IOTES:			
1	. Do not scale this drawing.			
3	 All dimensions are in mm unless noted otherwise. All dimensions, details, components and assemblies shall b contractor prior to construction, manufacture or supply. 	e verified by	the	
4	 All materials, construction and details shown or implied by comply with current British standards, codes of practice, p regulations, H & SE legislation and clients particular specifi 	 this drawing lanning / buil cations. 	; must ding	
5	 Conflicting information shown or implied shall be referred Engineers. 	to JS Structu	ral	
6	All steelwork design, fabrication and erection to be in accordAll structural steel to be grade \$355JR to BS EN 10 025.	rdance with I	BS 5950.	
8	Exposed internal steelwork to be encased with 12.5mm Gy Plasterboard or similar approved, to provide a minimum 30 protection.	vproc Fireline 0 minutes fire	õ	
9 1 1	 All welds to be a minimum 8mm fillet welds unless noted oth All bolts to be Grade 8.8 to BS 3692 as noted. All washers to be to BS 4320. 	erwise.		
1	 Steelwork surface preparation to be minimum blast clean to 9 Part A1 : 1989. or mechanically wire brushed to remove all s rust or millscale. 	Sa2.5 OF BS3 urface contan	7079 : nination,	
1	 Minimum steelwork protective treatment applied immediately preparation to be 2 coats of zinc phosphate epoxy primer ap minimum dry film thickness of 75 microns per coat prior to sit 	after surface plied to achiev te delivery.	ve a	
1	 All steelwork below ground level to be protected with 2No Fosroc Galvafroid anti corrosion zinc galvanising paint, app specifications 	coats of hea lied to manufa	vy duty acturer's	
1	 All steelwork to have a minimum 100mm end bearing or 1 beams spanning parallel to walls. 	50mm end be	earing for	r
	 Where specified, steelwork to be hot dipped galvanised to 140 microns DFT. 	achieve a mi	nimum	
1	 All padstones to be Class A Engineering Brickwork with typ concrete. All steel fixings and components to be bet dip galvanised to 	e (II) mortar (or C50	
1	 All steel fixings and components to be not dip galvanised to thickness of coating to be 85 microns. Holes in timber components for bolts should be as close as 	s possible to t	:he	
_	nominal diameter and in no case greater than 2mm larger the bolt.	than the dian	neter of	
2	Pre-drilled holes for nails should not be greater than 0.8 ofAll nails to be to BS 1202.	the nail diam	neter.	
2	2. All wood screws to be to BS 1210.			
2	 Temporary works during demolition / erection period is th contractor. The contractor should ensure all parts of the st stabilised via propping and needles prior to the commence All works have been designed following initial site appraisal biogenetication used to be appraised by the sector back of the sector b	e responsibili ructure is ad ment of the but prior to op	ity of the equately works. pening up	/
2	 such opening up works prior to construction phase. Any disc reported to the engineer immediately It is the contractors responsibility to obtain accurate on sit 	repancies sho	ould be	l
2	existing structure prior to ordering / purchasing any mater structural steelwork.6. Installation of new beams in existing structures can cause cracking structures can cause cause cause structures can cause cause structures can cause structur	ials including	bove due	
	·			
P01	First issue	22.06.21	PS	PS Chk'd
Sta	tus: Preliminary	Date	Drawn	Clik u
⊢				
	1 Meadow View - Corby - NN17 1SR M: 07980 256362 E: enquires@js-structural-engineers.co.uk W: www.js-	SERS	eers.co.uk	
Clie	nt: Mr Graeme Stretton			
Pro	ject: 5 Cross Lane Aldwincle			
Titl	e: Structural Section A-A Details			
Drg	No: JS21025-03	Rev: P	01	

Scales: 1:10 @ A1 Date: June 2021

Drawn: PBS