

Notes:
Building Regulation Approval: The o
property are advised that an approve
calculations and drawings by the Lo
Building Control should be obtained
ordering of material or fabrication. N
accepted for any changes that may
result of work having commenced pr

Notes: Building Regulation Approval: The owners of the property are advised that an approval of the acculations and drawings by the Local Authority Building Control should be obtained prior to any accepted for any changes that may be required as a negative for the sing commende prior to auch an approval having been obtained. -This drawing remains there or children commende prior to auch an approval having been obtained. -This drawing remains there or children commende prior banch and project approximation of Ecores panes priori this drawing and al other project drawings should be brought to the attainion of Ecores panes for clainflaction prior to commence. Structural the works attring on site and their agreement obtained that work can commence. Structural the beams and the columns though the besides of the beams and the earliers. Should be brought to the attemmentary grade to be S S SN 10025 SZTS JO (Piellow sections to be S SSS). Length of the beams and the columns though a barolited bas to SZ 25. Shou prime. The phosphale (dt 75 micron) Frie Protection to steel Reams & columns. Box around al steels with 0.50 s.w. Rameend. 2014 controls the advision should be provided by the contractor allowing minimum bearing. DO NOT SZ 25. Shou prime. The phosphale (dt 75 micron) Frie Protection to steel Reams & Columns. Box around al steels with 0.50 s.w. Rameend. CO socretch Beam bearing on pad stones to be minimum form rules otherwise attend to attend the subscript of the advision steel deams a columna. Box around al steels with 0.50 s.w. Rameend. CO concretch Beam bearing on pad stones to be minimum form rules otherwise attend order grade on Colo concret. Beam bearing on pad stones to be minimum form rules otherwise attend order prior to construction' Thomm yeaking bings. The phosphale (dt 75 micron) frag stones: The order pacifies on contraders is a first bings. The order pacifies on contraders is a first bings. The order pacifies on contraders to accept du responsibility for the stability and statety of a works during

Issue	Notes			Drawn	Date	
Express Plans Suite 12, 29 Belmont Road, Uxbrdge, UB8 1QS Tel: 07375 455206 Email: info@expressplans.co.uk						
Client	07373 43320		werp	resspia	15.00.uk	
Mr.S 1a F Lond SE1	S. Contrac 'ennethor don 5 5TH	ctor ne Road				
Drawing	y Title					
EXISTING GROUND FLOOR PLAN						
Scale		Date	Check	ied [	Drawn By	
1:5	0 @A3	19/04/24	AZ		AZ	
Drawing	J Number			F	Revision	
	D	01				





Boundary Line			approval having b the copyright of E altered or change This drawing to be and project specific this drawing and i brought to the atter clarification prior 1 Local Authority 5 by the contractor - 10025 2273-00 (to of the beams and the contractor allo SCALE THE DRA SCALE THE DRA SCALE THE DRA SCALE THE DRA ALS 2.5 Non prim Rise Protection 6 all steels with 500 - 12 Jamm Film Ing - and 3.5 mm akin m Pad atoms: Pad - atter and the contractor allo scale atter and 3.5 mm akin m Pad atoms: Pad - atter and the contractor all steels with 500 - 12 Jamm Film Ing - and Scale atter and the contractor allo scale atter accept full respon the works during t undermining Scolenters applier to consultation	ere obtained validout press planes validout press planes validout press planes validout press planes validout valid	1 - The draws and a real is and is not for mission. and is not for mission. Interction with a discretancy of discretancy	rg remains be copied, while data between informed is EN SEN SEN SEN SEN SEN SEN SEN SEN SEN S
						1
	Issue	Notes			Drawn	Date
dentine	Si Tel:	<b>Ex</b> uite 12, 29 Be 07375 455200	Imont Road, 6 Email: info	Uxbrdg o@exp	ans ge, UB8 resspla	3 1QS ns.co.uk
Bourte	Client Mr.S 1a P Lonc SE1	. Contract ennethorr lon 5 5TH	tor ne Road			
	Drawing	EXISTING	ROOF P	LAN		
	Scale 1:5	0 @A3	Date 19/04/24	Check AZ	ed	Drawn By AZ
	Drawing	Number	03			Revision





					1
laava	Natas			Drews	Data
Issue	Notes			Drawn	Date
	Ex	oress	Pla	ans	
0	uito 12, 20 Pc	Imont Bood	Llybrd		109
Tel:	07375 45520	6 Email: info	oxbru	ressplar	ngs ns.co.uk
Client					
Mr.S	Contrac	tor			
1a P	ennethorr	ne Road			
Lond	lon				
SE1	5 5TH				
Drawing	litle				
				а	
	FRUEU3		L'L'AI	N	
Scale		Date	Check	ied [	Drawn By
1:5	0 @A3	19/04/24	AZ		AZ
Drawing	Number			F	Revision
	Л	04			
	D	04			

all new rainwater goods to match retained.any new rainwater draina system installed to be linked to either existing or new soak away

Sunce: Inter UnRAWING. Stelle Consolin Protection, Preparation: Shot blast to Stelle Consolin Protection, Preparation: Shot blast to Stell Consolin Protection, Preparation: Shot around all stelle with 50 x 50 x. W namework and 2 layers of 12 shorn Frei Inter Jastenbaurt with staggered joints and 3 Smm skim Inski, Prel stores: Frei Austra Stelle Stelle Concorrele. Beinas chimutis noted appended on Structural Trihber. All Imber grade Cold unless chemister latted Justice nay be notched over bearing, maximum depti of notchi. 13 joint denti. Use stelle beares and the off stranger and the store of the stelle steller. Mill Steller grade of the steller of the steller packing/blaste bottled through web of bearns of the works during the total construction period. No undermining of existing structure as to be carried out prior to consultation of structural engineer

ordering of material or habitcation. No nationary is accepted for any changes that may be required as a result of work having commenced prior to such an approval having been obtained. -This drawing remains the copyright of Express plans and is not to be copied altered or changed without permission. This drawing to be read in conjunction with architec and project specifications. Any discrepancy betwee and project specifications. Any discrepancy between this drawing and all other project drawings should be trought to the attention of *Express plans* for clarification prior to commencing the works Local Authonity's building inspector is to be informed by the contractor in writing at least 48 hours prior to by the contractor in writing at reast to nours prov-the works starting on site and their agreement obtained that work can commence. Structural Steelwork: All steel members grade to be BS EN Steelwork: All steel members grade to be BS EN 10025 S275 JO (Hollow sections to be S355). Length of the beams and the columns should be provided by the contractor allowing minimum bearing. DO NOT SCALE THE DRAWING.

sion Protection; Preparation: Shot blast t

ulation Approval: The owners of the Dalialing Regulation Approval. The owners of the property are advised that an approval of the calculations and drawings by the Local Authority Building Control should be obtained prior to any ordering of material or fabrication. No liability is



Issue	Notes			Drawn	Date			
Si Tel:	Express Plans Suite 12, 29 Belmont Road, Uxbrdge, UB8 1QS Tel: 07375 455206 Email: info@expressplans.co.uk							
Client								
Mr.S 1a P Lond SE1	. Contrac ennethorr lon 5 5TH	tor ne Road						
Drawing	g Title							
EXIS	EXISTING ELEVATIONS							
Scale	Scale Date Checked							
	1:100 @ A3	19/04/24	AZ	2	AZ			
Drawing	Number			F	levision			
	D	05						

Steelwork: All steel members grade to be BS EN 0025 S275 JO (Hollow sections to be S355). Length if the beams and the columns should be provided by he contractor allowing minimum bearing. DO NOT SCALE THE DRAWING. the contractor allowing minimum bearing. DO NOT SCALE THE DRAWNOL. Steel Corresion Protection: Preparation: Shot blast to SA2.5. Shop prime: Zine phosphale (dff 75 micron) Fire Protection to steel Beams & columns; Box around all steels with 50 50 a.w. Rameenoka and 2 layers of 12.5mm Frei line plasterboard with staggered joints and 3.5mm skim finish. Pad stones: Pad stones to be grade C30 concrete. Beam bearing on pad stones to be grade C30 concrete. Beam bearing on pad stones to be aminimum 100mm unless otherwise noted specified on Structural Timber: All intoir grade C41 unless otherwise stated Joists may be noched over bearing, maximum deph of noch 17 (3) bid sch. Use steel bears with solid timber packing/piales bolhed through web of bears Alf2g500 centres beind glasts harpers and for and strag fining. Temporary Works: The contractor is to accept ful regonability for the stability and safety of the works during the total construction period. No underming of exiting structure is to be carried out prior to consultation of structural engineer

Notes: Building equation Approval: The owners of the calculations and drawings by the Local Authority Building Control should be obtained prot to any ordering of material or bahrdians and prot to any ordering of material or bahrdians. This benefit a support having been obtained: This benefit as a neural of work having commenced prior to such approvel having been obtained. This dewing remains before or changed without permission. This drawing bal other project to such as a construction of the material of the such as a support of the material of the such as a different or changed without permission. This drawing bal of the regist of the works Local Authority's building inspector is to be intermed by the contractor to commanding the works Local Authority's building inspector is to be intermed by the contractor and their argement obtained that work can commence.



Issue	Notes			Drawn	Date	
Express Plans						
T CI.	01313 43320		Werh	resspia	15.CO.UK	
Mr.S 1a P Lonc SE1	. Contrac ennethorr lon 5 5TH	tor ne Road				
Drawing	j Title					
PROPOSED ELEVATIONS						
Scale		Date	Check	ked [	Drawn By	
	1:100 @ A3	19/04/24	AZ	<u> </u>	AZ	
Drawing	Number			F	Revision	
	D	06				

Notes: Building Regulation Approval: The owners of the property are advised that an approval of the acculations and drawings by the Cold Automary Building Control should be doclained prior to any ordening of material or fabrication. No Isalinity a accupted for any changes that may be required as a mask of work hange commenced prior to auch an the copyright of Express plants and the root true copied allered or changes that may be required as a mask of work hange commenced prior to auch an the copyright of Express plants and the root true copied allered or changes without permission and project approximation of Express plants for clarification prior to commence. Structural the works attring on all ead the largement obtained that work can commence. Structural Stelework. All stel emmething grade to be SIS SN 10025 S275 JO (Holiow sections to be SISS) 10025 S275 JO (Holiow sections to the SISS) 10025 JO (Holiow sections to the SISS) 10025 JO (Holiow



Building Regulation Approval: The owners of the property are adviced that an approval of the calculations and drawings by the Local Authority Building Control Should be obtained prior to any ordering of material or fabrication. No lability is accepted for any changes that may be required as a result of work having commenced prior to such an approval having there obtained. This drawing remains the copright of Express plans and is not to be copied, the property of the context of the transmission. approval having been oblained. -This drawing ramains the copyright of <u>crowns plans</u> and in a tot be scopied, altered or changed without parmission. This drawing be nead in computeron with architects and project specifications. Any discrepancy between this drawing and all other project drawings should be brought to the attention of <u>Express plans</u> for clainfaction prior to commanding the works Local Automity's building inspector is to be informed by the contractor in writing at least 4 hours prior to the works starting on alte and their agreement obtained that avok can commence. Structural Steekwork, All steel members grade to be 85 EV 10025 327.8 J O Holiow sections to be 3535. Length of the beams and the columns should be provided by the Contractor S 0.8 w. formework (M 7 5 micron) Fire Protection to steel Beams & columns; Box around al steels with 50 50 a. w. formework and 2 layers of 12,5mm Fire line plasterboard with staggerd joints and 3.5mm sim findin. Pad stones: Pad stones to be grade C30 concrete. Beam bearing on pad stones to be or beams and 3.5mm sim findin. Pad stones: Ind stones finding many manges and for and strap stime. Including the stone stone with and there packing plates bothed through web of beams and 142(5000 certations to be a grade C30 concrete. Beam bearing on pad stones to be a beams and the scherules including and safety of do notch r13 joint grade turnes to the a beams and the orthod over beams, maximum depth of and roth r3 joint bound than you with a dol there packing julates bothed through web of beams and stage stuffs to be a constructor period. No updomming of education period. No updomming of education period. No updomming of education structural engineer

Building Regulation Approval: The owners of the

600mmwide x 500mm deep Mass concrete footing FND2, Building control inspector to confirm the footing depth on

Depth of footing - Subject to Detailed Ground Investigation Report and Tree Survey

Issue	Notes			Drawn	Date			
Suite 12, 29 Belmont Road, Uxbrdge, UB8 1QS								
Tel:	07375 45520	6 Email: info	@exp	resspla	ns.co.uk			
Mr.S 1a P Lonc SE1	Mr.S. Contractor 1a Pennethorne Road London SE15 5TH							
Drawing	g Title							
STR	STRUCTURAL LAYOUT							
Scale		Date	Check	ed	Drawn By			
	1:50 @ A3	19/04/24	AZ	:	AZ			
Drawing	Number			1	Revision			
	D	07						



Issue	Notes			Drawn	Date		
	Ex	press	Pla	ans			
Suite 12, 29 Belmont Road, Uxbrdge, UB8 1QS Tel: 07375 455206 Email: info@expressplans.co.uk							
Mr.S. Contractor 1a Pennethorne Road London SE15 5TH							
Mr.S 1a P Lonc SE1	5. Contrac ennethorr lon 5 5TH	tor ne Road					
Mr.S 1a P Lonc SE1	6. Contrac ennethorr don 5 5TH 9 Title RUCTURAL	tor ne Road . LAYOUT					
Mr.S 1a P Lonc SE1 Drawing STR	6. Contrac ennethorr don 5 5TH 9 <sup>Title</sup> RUCTURAL	tor ne Road . LAYOUT Date	Check	ied [	)rawn By		
Mr.S 1a P Lonc SE1 Drawing STR	5. Contrac ennethorr don 5 5TH g Title RUCTURAL	tor ne Road . LAYOUT Date 19/04/24	Check	ied [	)rawn By AZ		
Mr.S 1a P Lonc SE1 Drawing STR	5. Contrac ennethorr don 5 5TH 9 Title RUCTURAL 1:50 @ A3 9 Number	tor ne Road . LAYOUT Date 19/04/24	Check Az	ed E	Drawn By AZ Revision		

approval having been oblined. -This drawing remains the cocyright of Evenss plans and a lot to be cocied, allened or changed without permission. This drawing to be read in conjunction with architects and project specifications. Any discrepancy between this drawing and all other project drawings should be brought to the attention of Express plans for clarification prior to commanding the works Local Authonity's building impactor is to be informed by the contractor in writing at least 44 hours plot of the works attering on all and their agreement oblinated flat work can commence. Structural Steelwork: All steel members grade to be 85 EV 10025 S27.5 / O Holion sections to Structural Steelwork: All steel members grade to be 85 EV 10025 S27.6 / O Holion sections to Structural Steelwork: All steel members grade to be 85 EV 10025 S27.6 / O Holion sections to Event Solar. Er Het DerWING. Steel Corrason Protection: Preparation: Shot blast to SA2.5. Shog prime: Zinc yhonghatek (d1 % microo) Fire Protection to steel Beams & columns; Box around all atelsis with 50 & 0.8 .m. framework and 2 layers of 12.5mm. Fire line plasterboard with allogeerd givins and 3.5mm skingt on gald stores to be or Structural 13.8mb exingtion grade stores to be grade C30 concrete. Beam bearing and at longs to be anyther of the or-packingsplates bolied Inrough web of beams much / K3 joble. Use a steel beams with old tomber packingshates bolied Inrough web of beams at stam, Jing Mangeer and for and stam Jing. Tempoony Webrs: The constract is to the works during the total constructure is to be existed out prior to consultation of structural anyther of and stam filming. Tempoony Webrs: The constract is to consultation of structural is to be crief out prior to consultation of structural engineer

gulation Approval: The owners of the

# Building Re Building Regulation Approval: The owners of the property are adviced that an approval of the calculations and drawings by the Local Authority Building Control Should be obtained prior to any ordering of material or fabrication. No lability is accepted for any changes that may be required as a result of work having commenced prior to such an approval having there obtained. This drawing remains the copright of Express plans and is not to be copied, the property of the context of the transmission.



	Express Plans Suite 12, 29 Belmont Road, Uxbrdge, UB8 1QS Tel: 07375 455206 Email: info@expressplans.co.uk						
(	<sup>Client</sup> Mr.S. Contractor 1a Pennethorne Road London SE15 5TH						
[	Drawing Title STRUCTURAL LAYOUT						
	Scale	Date	Checked	Drawn By			
	1:50 @ A3	19/04/24	AZ	AZ			
[	Drawing Number			Revision			
	D	09					

Issue

Notes

Date

Drawn



Issue	Notes			Drawn	Date		
S	Ex)	Oress	Pla	ans ne UB8	105		
Tel:	07375 45520	6 Email: info	o@exp	ressplar	ns.co.uk		
Client Mr.S. Contractor 1a Pennethorne Road London SE15 5TH							
Drawing	g Title						
EXISTING + PROPOSED SECTION AA							
Scale		Date	Check	ed [	Drawn By		
	1:100 @ A3	19/04/24	AZ		AZ		
Drawing Number					Deside term		
Drawing	g Number	I'	Revision				

Г

Notes: Building Regulation Approval: The owners of the property are advised that an approval of the property are advised to the advised prove to any approved for any charges that may be regulared as a property and the advised proved to ack of an approved having been oblined. -This drawing remains the copyright of the and in cognitication with architects and propert approximation and the advised property and a therm property drawings should be the drawing and a therm project drawings should be the drawing and a therm project drawings should be the drawing and a therm project drawings should be the drawing and a therm project drawings should be the drawing and a therm project drawings should be the drawing and a therm project drawings should be to advised and therm project drawings should be to advised and therm project drawings should be to advise the advisory of the drawing and the the drawing and a therm project drawings should be project. All stell members grade to be 85 SMD, length of the beams and the columns and build be provided by the contractor advisem grindme to be 55 SMD. The SMD SAS 25 SND primer. Zher phosphate (df 15 micror) al zhom first in building instructions. Board advisors and advisors that the advisors and 2 layers and beams in thuids. Market advisors advisors a be maintrum (Drawing All shows: First probershows to be grade C3C concrete the product or beams and be been and be compared and the property advisors advisors advisors and a states All shows: First probershows advisors advisors advisors and proved beams and beams advisors advisors advisors and proved beams advisors advisors advisors advisors and proved beams advisors advisors







Note: Protecting Regulation Approval: The summars of the property are advised that an approval of the calculations and drawing by the Local Authority Building Control should be obtained prior to any ordening of material or barbanican. No leality is accepted for any changes that may be required as a result of work-having commenced prior to such an approval having been obtained. This drawing remains the copythy for General non-guined in a to be copied, altered or changed without permission. This drawing to a lend an organication with architects and project specifications. Any discrepancy between this drawing and in other project drawings about the brought to the alternion of Express plans for during and an organication of the second brought to the alternion of Express plans for during and the commercian browings about the brought to the alternion of Express plans for during and the columat should be provided by the works attrice and memory argenet be to BS SKI 10025 SZ75.JO (Hollow sections to be SSKI). Length of the beams and the columat should be provided by the contractor allowing minimum bearing. DO NOT SSL-LE THE CPARVING. Steel Correston Protection: Preparation. Shot blast to SAS-LS Stop protection to a set all beams and barrow at a stam sum finan. Basel Correston allowing minimum bearing. DO NOT SSL-LS THE CPARVING. Basel Correston allowing minimum bearing. Do NOT SSL-SS. Stop protections to be a SSKI. Basel Correston allowing ninimum bearing. Do NOT SSL-SS. Stop protections to all agered of the and 3 stim sum finan. Basel additional additional additional additional additional all ateles with Sol as u. frameenide GSL correston: All Stime grade C24 unless the the construction and bayers MageSSD centres behind joints and a Sam sim MageSSD centres behind joints and a sim sim MageSSD centres behind joints hanger and for and starge finan, Tempony Works. The construction is and accept ful responsibility for the stability and salely of the works during the total construc

Drawn Date Issue Notes **Express Plans** Suite 12, 29 Belmont Road, Uxbrdge, UB8 1QS Tel: 07375 455206 Email: info@expressplans.co.uk Client Mr.S. Contractor 1a Pennethorne Road London SE15 5TH Drawing Title BLOCK PLAN Date Checked Drawn By Scale 1:500 @ A3 19/04/24 AZ AZ Revision Drawing Number

D11







Notes: Building Regulation Approval: The owners of the property are advised that an approval of the calculations and drawing by the Local Autondry Building Control should be obtained prior to any ordering of matatial or laboration. No Building is accepted for any changes that may be required as a result of work howing commerced prior to such an approval having commerced prior to such an approval having been obtained. -This drawing remains the copyright of series and any and in a tot be copied, altered or changed without permission. This drawing to bread in cognition with architect and project specifications. Any discrepancy between this drawing and other projed channing about the contraction on the commercian schemes and be been approved the commercian scheme and the comparison between the commercian schemes and the provide the best and any approximation of the commercian between the commercian schemes and the commercian between the commercian schemes and the scheme obtained that work can commercia. Structural Schemes. Zirk Schemes and the columns about be provided by the contractor in writing at least 46 hours pror to the works attribute members grade to be S SSI 10025 SZ75.00 (Holiow sections to be S SSIS). Longel Altered Immers grades (KT 5 nuccors) Fire Protection to size Blasma & columni; Box around at states with 50 als us framework and 2 layers of 12 dat mm sim finisti. Ded schemes Hardes columns channed and 2 layers of 12 dat mm sim finisti. Marke grade C24 unless cherwise stated. Joints may be notched orcheating, maximum depth of noth full joint depth. Use take beams with solid timeer packing/blaste schemers be formal with schemers Mittig S00 centres behing insists margers and for and states with S040 more beams. Mittig S00 centres behing unit down and approve Mittig S00 centres behing insists margers and for and states hild sequencies to the states of anytouries of anito accept full responsibility for the statebility and safety of the works during the total constructure is to be cardinal accept full r

Drawn Date Issue Notes **Express Plans** Suite 12, 29 Belmont Road, Uxbrdge, UB8 1QS Tel: 07375 455206 Email: info@expressplans.co.uk Client Mr.S. Contractor 1a Pennethorne Road London SE15 5TH Drawing Title LOCATION PLAN Scale Date Checked Drawn By 1:1250 @ A3 19/04/24 AZ AZ Revision Drawing Number D12



75mm on stick vith ue 0.15, dard) 5mm			ordering of materia accepted for any c result of work heat approval having be the copyright of 2- altered or changet This drawing and a brought to the atte- cised Authority bo by the contractor like could Authority bo by the contractor like could Authority bo the beams and the contractor like SCALE THE DRAF Steel Corrector to all atteel with 30 c 12,5mm File Protection to all atteel with 30 c 12,5mm File Internet and 3,5mm Skinh ( Basam bearing on uses otherwise atta full response to the consultation of the to consultation of the contractor allowed SCALE THE DRAF Steel Corrector to all atteel with 30 c and 3,5mm Skinh ( Basam bearing on uses otherwise of the rest of the consultation of the to consultation prior to consultation	la or fabrical manages that hanges that hanges that hanges that hanges that hanges that hanges that hanges that press planae and the hanges that hanges that is dreate project and the hanges that withing at late that hanges that hanges that hanges	ion. No labit may be request provide the set of the	illy is used as a such an o be copied, a architects y between about 50 between 53 Jean 64 between 53 Jean 64 between 53 Jean 64 between 53 Jean 64 between 54 Jean 64 between 55 Jean 64 between 56 Je	
4l							
nof	Issue	Notes			Draw	n Date	_
oard. c. d	Si Tel: 1	<b>Ex</b> uite 12, 29 Be 07375 45520	<b>PIESS</b> elmont Road, 6 Email: info	Pla Uxbrd o@exp	ge, UE	38 1QS ans.co.uk	
m. cavity al	Client Mr.S 1a P Lond SE1	. Contrac ennethori lon 5 5TH	tor ne Road				
mum veen d the	Drawing B.R.	g Title DETAILS					
	Scale	NTS	Date 19/04/24	Check AZ	ked Z	Drawn By AZ	
	Drawing	) Number	13			Revision	

## SPECIFICATION SHEET

11.DPC

## EXTENSION SPECIFICATIONS

All work to be carried out in accordance with building regulations and british codes of

unnensions to be checked on site before work commences and builder to report any discrepancies before work commences, this includes an assessment of whether there will be any significant problem in carrying out the work on site as per the drawing, the builder is assumed to have a working knowledge of the building regulations and work on site must follow the latest building regulations as and when the local authority surveyor requires.

surveyor requires. any lintels over window and door openings may have to be exposed on site in order to confirm suitability to support the additional loads, inadequate lintols will require renewal

the building owner is responsible for serving any party wall notices on neighbours prior

to building works commencing.

1.CONTRACTOR

Drawings to be read in conjuction with all relevent contract documents,

structural engineer's details and specification. The contractor shall be responsible for all levels and dimensions. He is to take requisite STRAPPING FOR PITCHED ROOF

suncer to contim whener any existing drain located beneath or within 3m of proposed extension is a public sever to comply with Approved Document Part H4 dokain confirmation from Thames Water Utilities / Environment Agency to allow the discharging of rainvater into a surface water drain. Air permeability and pressure Testing Reports in accordance with The ATTMA publication 'Measuring Air permeability of Building Envelopes' (ATTMA 2006. are to be provided by builder.

on systems should be installed & con ssioned in accordance with theguidance given in the 2010 edition of the Domestic Ventilation Compliance Guide. Sufficient information about ventilation system should be given to the building owner upon completion of the building work, so that the ventilation system can be operated to , provide adequate air flow.

The proposed Heating & Hot water system's are to meet the requirement of 'The Domestic Heating Compliance Guide. Energy efficient light fittings will be provided and specified in accordance with ved Document I 1

Approved Document E1. CO2 Emission rate Calculations and EPCs for the dwelling to show that the dwellings emission rate (DER) is no greater than the Target Emissions rate (TER) using SAP 2005 Full details of water efficiency (G2) and prevention of excessive temperatures (G5) are to be provided in accordance with approved Document G. WALLS BELOW GROU

2.SOLID FLOOR INSULATION UNDER SLAB

o meet min u value required of 0.18 w/m²k To meet min u value required of 0.18 w/m<sup>2</sup>k solid ground floor to consist of 150mm consolidated well-rammed hardcore. blinded with 50mm sand blinding, provide a 1200 gauge polythene dpm, dpm to be lapped in with dpc in walls. floor to be insulated over dpm with 80mm kingspan kooltherm k103. 25mm insulation to continue around floor perimeters to avoid thermal bridging, a vol should be laid over the insulation boards and turned up 100mm at room perimeters behind the skirting, all joints to be lapped 150mm and sealed, provide 100mm st2 or gen2 ground bearing slab concrete mix to conform to bs 8500-2 over vcl. finish with 65mm sand/cement finishing screed with light mesh reinforcemen

usinn stainpearnen innaning encled warnight neudit remotent and with the where drain runs pass under new floor, provide a 142 mesh .1.0m wide within bottom of slab min 50mm concrete cover over length of drain. where existing suspended timber floor air bricks are covered by new extension, ensure where examing suspended imiber mourial binks are covered by new extension, ensure cross-ventilation is maintained by connecting to 100mm dia upvc pipes to terminate at new 65mm x 215mm air bricks built into new cavity wall with 100mm concrete cover ald under the extension, ducts to be sleeved through cavity with cavity tray over. 10 cavity | air space

Provide 225mm x 600mm concrete foundation, concrete mix to conform to bs en 206-1 and bs 8500-2. all foundations to be a minimum of 1000mm below ground level, exact depth to be agreed on site with building control officer to suit site conditions. all constructed in accordance with 2004 building regulations a1/2 and bs 8004:1986 code of practice for foundations. ensure foundations are constructed below invert leve of any adjacent drains. base of foundations supporting internal walls to be min 600mm below ground level. sulphate resistant cement to be used if required. please note that should any adverse soil conditions be found or any major tree roots in excavations, the building control officer is to be contacted and the advice of a structural engineer should be sought.

4 CONCRETE

all materials and workmanship to be in accordance with bs 8110 part 1&2- the tructural use of concret

concrete quality to be 35n / mm² at 28 days unless noted otherwise. max nominal concrete quality to be 20mm, aggregate to be 20mm, above ground: minimum cement content 300kg / m<sup>3</sup>, maximum free water cement ratio 0:6.

below ground: minimum cement content 330kg / m<sup>3</sup>. maximum free water cement ratio 0:5.

cement. minimum cement content 330kg / m³, maximum free water cement ratio 0:5

5.STRUCTURE

BEAMS

Supply and install new structural elements such as new beams, roof structure, floor structure, bearings, and padstones in accordance with the structural engineer's structure, bearings, and parsistines in accountance wint me structural engineers accluations and details. new steel beams to be encased in 12.5mm gyproc fire board with staggered joints, gyproc firecase or painted in nullifire s or similar intumescent paint to provide 1/2 hour fire resistance as agreed with building control, all fire protection to be installed as detailed by specialist manufacturer.

For uniformly distributed loads and standard 2 storey domestic loadings only lintel widths are to be equal to wall thickness. all lintels over 750mm sized internal door openings to be 65mm deep pre-stressed concrete plank lintels. 150mm deep lintels are to be used for 900mm sized internal door openings. Lintels to have a minimum bearing of 150mm on each end, any existing lintels carrying additional backs are to be exposed for inspection at commencement of work on site. all pre-stressed concrete lintels to be designed and incorporating steel strands to be 5896 to support loadings assessed to be 5977 part 1. for other structural openings provide proprietary insulated steel lintels suitable for spans and loadings to proprietay insulated steel lintels suitable for spans and loadings to point, and were pholes to be provided above all externally located lintels. - For uniformly distributed loads and standard 2 storey domestic loadings only lintel widths

OPENINGS AND RETURNS

LINTELS

An opening or recess greater than 0.1m<sup>2</sup> shall be at least 550mm from the supported wall

(measured internally)

6.RESTRAINED TO STRUCTURE

STRAPPING OF FLOORS Provide lateral restraint where joists run parallel to walls, floors are to be strapped to walls with 1000mm x 50mm galvanised mild steel straps or other approved in compliance with bs en 845-1 at max 2.0m centres, straps to be taken across minimum of 3 joists. straps to be built into walls. provide 38mm wide x ¾ depth solid noggins between joists at strap positions. 16.FLAT ROOF

### FLAT ROOF RESTRAINT 100m x 50mm c16 grade timber wall plates to be strapped to walls with 1000mm x 30mm x

7 THERMAL BRIDGING Care shall be taken to limit the occurrence of thermal bridging in the insulation layers caused by gaps within the thermal element, (i.e. around windows and door openings), reasonable orivision shall also be made to ensure the extension is constructed to minimise unwanted air give 1:60 fall on 47 x 170mm C24 timber ioists at 400 centres leakage through the new building fabric

5mm galvanised mild steel straps at maximum 2.0m centres fixed to internal wall faces.

WALLS BELOW GROUND What setup setup of the setup o

SOLID EXTERNAL BLOCK WALL

To achieve min u-value 0.18w/m<sup>2</sup>k wall constructed using lightweight aggregate or aerated concrete block, r value 0.11, at least 215mm thick, eq. topblock supabloc or celcon solar, rake out joints in the wall to a depth of 21 and there, eg. dopations support on carcolor will rate outperforms in the wait of dopation at least form and apply from bolymer terrelawill; are outperformed in the dopation rendering mix to comply to be en 13914-1:200 bistroard, better outperformed and this it, the inside using 75mm Kingspan KS insulated Dastrobard, batter out to provide a nominal inside using 75mm Kingspan kS insulated plastrobard, batter outperformed and and the support of the support support of the support support of the support support of the support support of the support support of the support support of the support support of the sup 25mm cavity between the masonry and insulation, provide a vapour control layer under the

NEAR FULL FILL CANTY WALL (BHICK FINISH) Facing brickwork outer leaf (spec be be agreed with client) 10 cavity / air space 90mm kooltherm k106 - kingspan insulation 100mm 7.0n lightweight aerated blockwork inner leaf (max density of 730 kg/m3, k-value 0.11 w/mk) with necessary movement joints as per manufacturer's specs galaanised (vertical twist) cavity ties @H50 cc vert + 900cc horizontal, all spacing reduced to 225cc within 300mm of openings 19 Å foll-backed blasterboard on dabs + skim coat 12.5 foil-backed plasterboard on dabs + skim coat over all u-value calculated = 0.17 w/m2k

install dpc at min 150 above ground level and continued under thresholds

pre formed plastic weep holes at 75mm h x 10 w @
 900 c/c with chamfered mortar fill at dpc level

NEAR FULL FILL CAVITY WALL (RENDERED FINISH) 100mm block work outer leaf with rendered finish (spec be be agreed with client) rm k106 - kinaspan insulation

100mm 7.0n lightweight a ted blockwork inner leaf (max density of 730 kg/m3, k-value 0,1

wimk) galvanised (vertical twist) cavily ties @450 cc vert + 900cc horizontal all spacing reduced to 225cc within 300mm of openings 12.5 foil-backed plasterboard on dabs + skim coat over all u-value calculated = 0.17 w/m2k

install dpc at min 150 above ground level and continued under thresholds

 pre formed plastic weep holes at 75mm h x 10 w @
 900 c/c with chamfered mortar fill at dpc level 9. TILING SPECIFICATION

Provide and fix wall tiles with waterproof adhesive and grout. Type of tile to be agreed with Client

10 INSULATION SPECIFICATION All new windows are to be fitted with 'Pilkington' 'K' glass. U value 1.4 W / m² K

U value 1.4 w J m² K New Root: Insulation layed between and below rafters, use 100mm thick Kingspan 'Kooltherm K7 root board between rafters and 62.5mm 'Kooltherm K18' insulated plasterboard below to achieve U value 0.18 W J m² K.

Provide horizontal strip polymer (hyload) damp proof course to both internal and externa skins minimum 150n minimum 150mm above external ground level. new dpc to be made continuous wit ing dpc's and with floor dpm. vertical dpc to be installed at all reveals where cavity is

using thermabate or similar non combustible insulated cavity closers. provide vertical dpcs around openings and abutments. all cavity trays must have 150mm upstands and suitable cavity weep holes (min 2) at max 900mm centres.

## 14.EXISTING TO NEW WALL

Cavities in new wall to be made continuous with existing where possible to ensure Cavities in new wail to be thate continuous with existing where possible to ensure continuous weather break. If a continuous cavity cannot be achieved, where new walls abuts the existing walls provide a movement joint with vertical dpc. all tied into existing construction with suitable proprietary stainless steel profiles.

## 15. CAVITY BARRIERS

30 minute fire resistant cavity barriers to be provided at at tops of walls, gable end walls and h vertically at junctions with separating walls & horizontally at separating walls with cavity tray over installed according to manufacturers details.

WARM FLAT ROOF (GRP)

To achieve U value 0.15 W/m²K (imposed load max 1.0 kN/m<sup>2</sup> - dead load max 0.75 kN/m<sup>2</sup>)

GRP (Fibreglass) over 22mm OSB Board over 150mm TR24 Kingspan insulation. ax span 4.55m (see engineer's details for sizes). Ceilings of 12.5mm plasterboard over pour barrier with skim plaster vide restraint to flat roof by fixing of 30 x 5 x 1000mm ms galvanised lateral restraint

straps at maximum 2000mm centres ixed to 100 x 50mm wall plates and anchored to wall

## COLD FLAT ROOF (GRP)

To achieve U value 0.15 W/m²K 12.5 mm plasterboard and skim. 175 x 50 tanalised C16 s/w joists @ 400 c/c on heavy ar lailead o'n syn dias (ei nool join lieary duly joist shamp dias (ei nool joint lial 1:40. Insulation to be 150mm TR24 Kingspan insulation, between Ceiling Joists and 57.5mm under and 50m. GRP (Fibregless) over 22mm OSB Board. 20 mm fascia board. 1000 x 30 x 5 mild steel straps screwed to the underside of joists and wall at 1800 mm c/c Provide Stone Chippings where built up felt is to be used

## 17 PITCHED BOOE

COLD PITCHED ROOF INSULATION AT CEILING LEVEL pitch 22-45° (imposed load max 0.75 kn/m<sup>2</sup> - dead load max 0.75 kn/m<sup>2</sup>) to achieve u value of 0.15 w/m<sup>2</sup>k

timber roof structures to be designed by an engineer in accordance with nhbc technical equirement r5 structural design. calculations to be based on bs en 1995-1-1. roofing tiles o match existing on 25 x 38mm tanalised sw treated battens on sarking felt supported on 47 x 150mm grade c24 rafters at max 400mm centres max span 3.47m. rafters supported on 100 x 50mm sw wall plates. insulation at ceiling level to be 90mm K107 Kingspan insulation between ceiling joists with a further 57.5mm K118 Kingspan insulation over joists. construct ceiling using sw joists at 400mm centres, finished internally with 12.5mm plasterboard and min 3mm thistle multi-finish plaster, provide polythene vapour barrie between insulation and plasterboard, provide opening at eaves level at least equal to continuous strip 25mm wide in two opposite sides to promote cross-ventilation. mo pitched roofs to have ridge/high level ventilation equivalent to a 5mm gap via proprietary vents spaced in accordance with manufacturer's details. vents spaces in accordance with maintacture's cleans. Testariit strapping - 100mm x 50mm vall jale strapped down to walls. ceiling joists and rafters to be strapped to walls and gable walls, straps built into cavity, across at least 3 timbers with noggins. all straps to be 1000 x 30 x 5mm galvanized straps or other approve to bsen 845-1 at 2m centres.

## 

COLD PITCHED ROOF (Imposed load max 0.75 kn/m<sup>2</sup> - dead load max 0.75 kn/m<sup>2</sup>) vented roof – pitch 22-45° to achieve u-value 0.15 w/m<sup>2</sup>k

timber roof structures to be designed by an engineer in accordance with nhbc technica requirement r5 structural design. calculations to be based on bs en 1995-1-1. roofing tiles to match existing on 25 x 38mm tanalised sw treated battens on sarking felt to relevant bba certificate. supported on 47 x 150mm grade c24 rafters at max 400mm centres max span 3.47m. rafters supported on 100 x 50mm sw wall plates. insulation to be 100mm kingspan ooltherm k107 between rafters and 57.5mm K118 under rafters. fix 12.5mm foil backed plasterboard (joints staggered) and 5mm skim coat of finishing

tx 12:smm full backed plasterboard (joints staggered) and smm skim coat of hinsting plaster to the underside of all ceilings using galvanized plasterboard nails: maintain a Somm air gap above insulation to ventilate root, provide opening at eaves level at least equal to continuous strip 25mm vide and opening at ridge equal to continuous strip 5mm vide to promote ventilation. restraint strapping - ceiling joists tied to rafters (if raised collar root promote ventilation. restraint strapping - ceiling joists tied to rafters (if raised collar root promote ventilation. restraint strapping - ceiling joists tied to rafters (if raised collar root promote ventilations to strapped down to walls. ceiling plasts and rafters to be strapped to walls and gable walls, straps built into cavity, accross at least 3 timbers with noggins. all straps to be 1000 x 30 x 5mm galvanized straps or other basterboard on dabs with skim loads with skim loads baster finish or 13mm least 3 timbers with noggins, all straps approved to bsen 845-1 at 2m centres.

### 18 I FAD WORK AND FLASHINGS

All lead flashings, any valleys or soakers to be code 5 lead and laid according wi read inastings, any vaneys to socares to be cover o head and value accord to lead development association. flashings to be provided to all jambs and below window openings with welded upstands, joints to be lapped min 150mm and lead to be dressed 200mm under tiles, etc. all work to be undertaken in accordance with the lead development association

20 HEATING

 12 WALL TIES

 All walls constructed using stainless steel vertical twist type retaining wall ties built in at 550mm ctrs horizontally, 450mm vertically and 225mm ctrs at reveals and corners in staggered rows. wall ties to be suitable for cavity width and in accordance with bs 5628-61: 1996 and bs en 845-1: 2003
 19.LEAD VALLEYS

 19.LEAD valleys to be formed using code 5 lead sheet, valley lead and two tiling fillets to be supported on min 19mm thick and 225mm wide marine ply valley boards on either side of the rafters. lead to be laid in lengths not exceeding 1.5m with min 150mm lap joints and be dressed 200mm under the tiles

roofing tiles to be bedded in mortar placed on a tile slip to prevent direct contact. valley to have a minimum 100mm wide channel (125mm minimum for any point of a relevant boundary) pitches below 30°). R1

all work to be in accordance with the roof cladding manufacturers and the lead development association recommendations

### 27 WASTES

Fire doors

ESCAPE WINDOWS

29.THERMAL BRIDGING

vaste to be 37mm diameter pv

where found to be within 3m of the window

ir admittance valve to the stub stack in bathroom to loft in orde

to provide for a vented system. connect to existing soil and ver

soil pipe to be extended up to 900mm above window opening

bath waste to be 43mm diameter pvc Extend all heating and hot water services from existing and provide new TVRs Lacend an inetaing and not water services non-resonance and provide the virtual to radiators. Hearing system to be designed, installed, tested and fully certified by a GAS SAFE registered specialist. All work to be in accordance with the Local Water Authonities bye laws, the Gas Safety (Installation and Use) Regulations 1998 and IEE Regulations. w.c. waste to be 100mm diameter pv w.c. waste to be 100mm diameter pvc shower waste to be 50mm diameter pvc traps to be 75mm diameter deep seal. access and rodding points to all changes in direction. gutter to dormer roof to be 100mm half round pvc, and rainwater downpipe discharging onto rear sloping roof or running down to the rainwater gulley is 63mm diameter pw

Ensure the wood burning stove is installed by an APHC, HETAS, NAPIT or NICEIC accredited specialist in compliance with Part J. Supply a suitable flue, hearth and CO / Carbon Monoxide alarm and provide ventilation to ensure the necessary combustion air and to prevent the depletion of oxygen in the room. here must not be an extractor fan fitted in the same room as the stove. A notice plate giving operating and maintenance instructions must be provided and fixed in an obvious place and the Part J installation checklist is to be completed and a copy given to Building Control.

22.OIL HEATING APPLIANCES UP TO 45kW

Oil burning appliances up to 45kW to be installed, commissioned and tester tered with OFTEC, in compliance with Approved Do

completion, building control is to be provided with a copy of the issioning certificate

23.0IL STORAGE TANKS

Oil tanks up to 3500 litres.

Oil tanks to be: -placed on a 50mm thick a concrete base which extends 300mm beyond the base of the tank

located in the open air, 1.8m min from buildings or flues and 760mm from . boundaries

provided with a proprietary fire resistant pipe and valve system. If there is a risk of pollution to water courses or drains, the tank should either

-provided with an impervious masonry bund equal to capacity of 110% of its volume

Mains operated linked smoke alarm detection system to BS EN 14604 and BS5839:1:2017 to at least a Grade D category LD3 standard and to be mains powered with battery back up. Smoke alarms should be sited so that there is a

moke alarm in the circulation space on all levels/ storeys and within 7.5m of

the door to every habitable room. If ceiling mounted they should be 300mm

100mm x 50mm softwood treated timbers studs at 400mm ctrs with 50 x

100mm x 50mm softwood treated timbers studs at 400mm ctrs with 50 x 100mm head and sole plates and solid intermediate horizontal norgins at 1/3 height or 450mm. Provide min 10kg/m³ density accustic soundproof quilt tightly packed (eg. 100mm Rockwool or Isowool mineral fibre sound insulation) in all voids the full depth of the stud. Partitions built off doubled up joists where partitions run parallel or provide noggins where at right angles, or built off DPC on thickened concrete slab if solid ground floor. Walls faced throughout with 12.5mm plaster board with skim plaster finish. Taped and jointed complete with backs and stons

Construct non load bearing internal masonry partitions using dense concrete

blocks built off thickened floor slab and tied at 225mm centres with proprietary steel profiles or block bonded to all internal and external walls. Walls faced throughout with 12.5mm plasterboard on dabs with skim plaster finish or

Construct load bearing internal masonry partitions using dense concrete blocks built off concrete foundation. Concrete mix to conform to BS EN 206-1. Depth to engineers details and dependent on ground conditions to be agreed with BCO. Wall tied at 225mm centres with proprietary steel profiles or block bonded to all internal and external walls. Walls faced throughout with 12.5mm plasterboard on dabs with skim plaster finish or 13mm lightweight plaster.

from the walls and light fittings. Where the kitchen area is not separated from

the stairway or circulation space by a door, there should be an interlinked heat

internallv bunded.

24 SMOKE DETECTION

detector in the kitchen.

INTERNAL STUD PARTITIONS

jointed complete with beads and stops.

INTERNAL MASONRY PARTITIONS

13mm lightweight plaster.

25 INTERNAL WALLS

Care shall be taken to limit the occurrence of thermal bridging in	Issue	
the insulation layers caused by gaps within the thermal element, (i.e. around windows and door openings). Reasonable provision shall also be made to ensure the dwelling is constructed to minimise unwanted air leakage through the new building fabric. Size of wastes pipes and max length of branch connections (if max length is exceeded then anti vacuum traps to be used) Wash basin - 1.7m for 32mm pipe 3m for 40mm pipe Bath/shower - 3m for 40mm pipe 4m for 50mm pipe W/c - 6m for 100mm pipe tor single WC All branch pipes to connect to 110mm soil and vent pipe terminating min 900mm above any openings within 3m. Or to 110mm pupc soil pipe with accessible internal air admittance valve complying with BS EN 12380, placed at a height so that the outlet is above the trap of the highest fitting. Waste pipes not to connect within 200mm of the WC connection. Supply hot and cold water to all fittings as apororiate.		
30. SOAKAWAY USING CRATES	Su Tel: (	uite 1 0737
Trench of soakaway to be provided slightly largely than designed depth after porosity test (if required) but just over 1m3 min from invert level of pipe. Provide suitable geotextile over the base and up the sides of the trench over 1COmm level and compact bed of coarse sand. Install AquaCell cate units or equivalent as manufacturer's details. Geotextile to be wrapped around crates. Provide 100mm of coarse sand between the trench walls and over the AquaCell structure. Backfill with suitable material. 31. PROTECTED LOBBY	Client Mr.S 1a Po Lond SE1	. Co enn Ion 5 51
Form a protected lobby within the flat entrance by providing half hour fire resistance to all partitions. All doors on to lobby must be FD20 rated fire doors to BS 476-22:1987 (fitted with intumescent strips rebated around sides and top of door or frame it required by BCO). Where applicable, any glazing in fire doors to be half hour fire resisting and glazing in the walls forming the escape route enclosure to have 30 minutes fire resistance and be at least 1.1m above the floor level.	Drawing SPE	Title CIF
	0	
	Scale	NTS
	Drawing	Num

Provide emergency egress windows all first floor habitable rooms and ground floor inner rooms. Windows to have an unobstructed openable area of 450mm high x 450mm wide, minimum 0.33m sq, the bottom of the openable area should be not more than 1100mnn above the floor. The window should enable the person to reach a place free from danger from fire

resistance to all partitions as well as floors and ceilings above and below rooms. Stairway to be protected at all levels and leading directly to external door at ground level (no inner rooms allowed). All doors on to the stairway must be FD30 rated fire doors to BS 476-22:1987 (fitted with inturnescent strips rebated around sides & top of door or frame if required by BCD). Where applicable, any glazing in the doors to be hall hour fire resisting and glazing in the walls forming the escape route enclosure to have 30 minutes fire resistance and be at least 1.1m above the floor level or stair pitch line

28.MEANS OF ESCAPE AND FIRE RESISTANCE Form a protected escape stairway by providing half hour fire resistance to all partitions as well as floors and ceilings above

Other methods of calculation are given in Approved Document

Please note the extent of unprotected area on an external wall, i.e. windows, doors, timber cladding etc, should not exceed. 5.6m<sup>2</sup> when the minimum distance between side of the building and the relevant boundary is 1m - 12m<sup>2</sup> when the minimum distance between the side of the building and the relevant boundary is 2m - 18m<sup>2</sup> when the minimum distance between the side of the building and the relevant boundary is 3m - 24m<sup>2</sup> when the minimum distance between the side of the building and the relevant boundary is 4m - 30m<sup>2</sup> when the minimum distance between the side of the building and the relevant boundary is 5m - no limit when the minimum distance between the side of the building and the relevant boundary is 5m - no limit when the minimum distance between the side of the building and the relevant boundary is 5m (The above apples only to buildings which are 1m or more from any point of a relevant boundary)

Please note the extent of unprotected area on an external wall

26.WINDOWS AND DOOR Unprotected areas

Notes Drawn Date **Express Plans** 12 29 Belmont Road, Uxbrdge, UB8 1QS 5 455206 Email: info@expressplans.co.uk ontractor ethorne Road TΗ **ICATIONS** Date Checked Drawn Bv 19/04/24 ΑZ ΑZ Revision nbei D14

Steel Corrasion Protection: Preparation: Snot blast to SA2.5. Shop prime: Zurp chospitale (dt 75 micron) Fire Protection to steel Beams & columns; Box around all steels with 50.5 0.s. x. framework and 2 layers of 12,5mm Fire line plasterotard with staggered joints and 3.5mm skim finish. Pad stones: Pad stones to be grade C30 concrete. Beam bearing on pad stones to be minimum 100mm unless otherwise noted specified on Structural Timter: All imbar grade C24 unless otherwise stated. Joiston to the concentration of the state beam with sold Imbare accientification full fitting that the page. nach in Sjois depin. Ose steel oean win sond inner packing/plates bolted through web of beams M12@500 centres behind joists hangers and for and strap fixing. Temporary Works: The contractor is to accept full responsibility for the stability and safety of accept twi responsionity for the stability and safety of the works during the total construction period. No undermining of existing structure is to be carried ou orior to consultation of structural engineer

and project specifications. Any discrepancy between this drawing and all other project drawings should be brought to the attention of *Express plans* for clarification prior to commencing the works Local Authonity's building inspector is to be informed by the contractor in writing at least 48 hours prior to he works starting on site and their agreement obtained that work can commence. Structural Steelwork: All steel members grade to be BS EN Steelwork: All steel members grade to be BS EN 10025 S275 JO (Hollow sections to be S355). Length of the beams and the columns should be provided by the contractor allowing minimum bearing. DO NOT SCALE THE DRAWING.

psion Protection; Preparation: Shot blast to

ordering of material or habitcation. No nationary is accepted for any changes that may be required as a result of work having commenced prior to such an approval having been obtained. -This drawing remains the copyright of Express plans and is not to be copied altered or changed without permission. This drawing to be read in conjunction with architects and project specifications. Any discrepancy between

ring of material or fabrication. No liability i

Building Regulation Approval: The owners of the property are advised that an approval of the calculations and drawings by the Local Authorit Building Control should be obtained prior to an

## SPECIFICATION SHEET

44.RAINWATER DRAINAGE

## 32.INTERMEDIATE FLOORS

to achieve u value of 0.18 w/m²k ermediate floor to be 25mm t&g flooring grade chipboard or floorboards laid on C24 joists at 400mm ctrs (see engineer's calculation for sizes and details). Lay 120mm Kingspan mineral fibre insulation min Okg/m³ or equivalent between floor joists & 32.5mm under. Ceiling to be 12.5 FireLine plasterboard with , plaster set and finish. Joist spans over 2.5m to be strutted at mid span using 38 x 38mm herringbone rutting or 38mm solid strutting (at least 2/3 of joist depth). In areas such as kitchens, utility rooms and throoms, flooring to be moisture resistant grade in accordance with BS EN 312:2010. Identificati arking must be laid upper most to allow easy identification. Provide lateral restraint where joists ru marking must be laid upper most to allow easy identification. Provide lateral restrant where joists parallel to walls, floors are to be strapped to walls with 1000mm x 30mm x 5mm galvanised mild s straps or other approved in compliance with BS EN 845-1 at max 2.0m centres, straps to be take minimum 3 no. joists. Straps to be built into walls. Provide 38mm wide x ¼ depth solid noggins b

All new electrical work is to be designed, installed, inspected and tested in accordance with bs 7671 And the solution of the complexity of the solution of the

agreed with client. Integration of the commission of the commission of the commission of the commission of and a control body. T5% energy efficient lighting to be provided fixed external lighting should have effective control and/or use efficient lamps; having lamp capacity not greater than 100 lamp-watts per light fitting alternatively lights should have lamps with a luminous efficacy dayslight and they should be controllable manually as well. We have a strained to the should be control and/or use efficient lamps; having lamp capacity not to the commission of the commission

## NTERNAL LIGHTING

Install low energy light fittings that only take lamps having a luminous efficiency greater than 45 lumens they can be tested and adjusted, shall be commissioned and a commissioning ber circuit watt and a total output greater than 400 lamp lumens. Not less than three energy efficient light notice given to the Building Control Body. fittings per four of all the light fittings in the main dwelling spaces to comply with Part L of the current Building Regulations and the Domestic Building Services Compliance Guide.

### 34.NEW GAS BOILER

ting and hot water will be supplied via a wall mounted condensing vertical balanced flue r Heating and hot water will be supplied via a wall mounted condensing vertical balanced flue pressurised internal doors should be provided with a 10mm gap below the door to aid air Waste pipes not to connection. The flue of the connection interview in a scordance with the Domestic Ventilation is to be connection. Compliance Guide. Intermittent extract fans to BS EN 13141-4. Cooker hoods to Supply hot and cold wate. BS EN 13141-3. All fixed mechanical ventilation systems, where they can be the installation complies with the requirements of PART LAI work to be in accordance with the Local water Authonties bye laws, the Gas Safety (Installation and Use) Regulations 1998 and IEE Regulations.

### 5.ESCAPE WINDOWS

vide emergency egress windows to any newly created first floor habitable rooms and ground floor inner rooms. Windows to have an unobstructed openable area of 450mm high x 450mm wide, minimum 0.33m sq. The bottom of the openable area should be not more than 1100mm above the floor. The indow should enable the person to reach a place free from danger from fire.

### DOOR BETWEEN HOUSE AND GARAGE

Door between garage and house to be fd30 self closing with a 100mm step down into garage, fitted with 3 steel hinnes, intumescent strips and smoke seals, construction between house and garage to be 30 inutes fire resisting.

## 36 BOOF LIGHTS

win tr-aulae of 1.4 win r.A. col-lights to be double glazed with 16mm argon gap and soft low-e glass, window energy rating to be band c or better, roof lights to be fitted in accordance with manufactures instructions with raffers doublec up to sides and suitable flashings etc. Please note rooflights with kerb/upstands can have a value no worse than 2.2W/m2k

## 37.SAFETY GLAZING

All glazing in critical locations to be toughened or laminated safety glass to BS 6206, BS EN 14179 or BS EN ISO 12543-1:2011 and Part K (Part N in Wales) of the current Building Regulations, i.e. within 1500mm FLAT ROOF VENTILATION above floor level in doors and side panels within 300mm of door opening and within 800mm above floor evel in windows

### 38.NEW AND REPLACEMENT WINDOWS

nent windows to be double glazed with 16mm argon gap and soft coat low-E glass. indow Energy Rating to be Band C or better and to achieve U-value of 1.4 Wim?k. The door and window penings should be limited to 25% of the extension floor area plus the area of any existing openings

### 9 NEW AND REPLACEMENT DOORS

## Vew doors to be aluminium powder coated doors, Vew and replacement doors to achieve a U-Value of 1.40W/m®K. Glazed areas to be double glaze 16mm argon gap and soft low-E glass. Glass to be toughened or laminated safety glass to BS 6206, BS EN 14179 or BS EN ISO 12543-1:2011 and Part K (Part N in Wales) of the current Building Regulations.

### 10 VENTILATION

BACKGROUND AND PURGE VENTILATION Background ventilation - Controllable background ventilation via trickle vents to BS EN 13141-3 within the not readily be able to climb the guarding. window frame to be provided to new habitable rooms at a rate of min 5000mm<sup>2</sup>: and to kitchens pathrooms. WCs and utility rooms at a rate of 2500mm<sup>2</sup>

tamounts, we sail observe and the origination of the state of booming of the s

Provide mechanical extract ventilation to shower room ducted to external air
capable of extracting at a rate of not less than 15 litres per second. Vent to b
connected to light switch and to have 15 minute over run if no window in the
room. Internal doors should be provided with a 10mm gap below the door to
air circulation. Ventilation provision in accordance with the Domestic Ventilati
Compliance Guide. Intermittent extract fans to BS EN 13141-4. All fixed
mechanical ventilation systems, where they can be tested and adjusted, sha
be commissioned and a commissioning notice given to the Building Control
Body.

EXTRACT FOR SHOWER ROOM

W/C to have mechanical ventilation ducted to external air with an extract rating fixed mechanical ventilation systems, where they can be tested and adjusted shall be commissioned and a commissioning notice given to the Building

To utility room provide mechanical ventilation ducted to external air capable of extracting at a rate of 30 litres per second. Internal doors should be provided with a 10mm gap below the door to aid air circulation. Ventilation provision in accordance with the Domestic Ventilation Compliance Guide. Intermittent extract fans to BS EN 13141-4. All fixed mechanical ventilation systems, where

### EXTRACT TO KITCHEN

Kitchen to have mechanical ventilation with an extract rating of 60l/sec or 30Usec if adjacent to hob to external air, sealed to prevent entry of mo ernal doors should be provided with a 10mm gap below the door to aid air culation. Ventilation provision in accordance with the Domestic Ventilation

## TILATION OF TIMBER SUSPENDED FLOOR

opposite external walls of the building. Ventilation openings having an opening 49.AUTOMATIC AIR VALVE area of 1500mm<sup>2</sup> per metre run of perimeter wall or 500mm<sup>2</sup> per square metre area of booming per induction of permitter and of booms per optication of the permitter and of booms per optication of the performance induction of the greater optication area. All sheeper walls or for area will be of honeycombed construction or have similar under floor obstructions shall be of honeycombed construction or have similar provision for distribution of ventilation. The under floor space shall be free complying with BS EN 12380, placed at a height so that the outlet is Fit new and existing appliances. Positioning to be agreed with Client. name pointer in the second of the second sec

Provide cross-ventilation of the under floor to outside air by ventilators in at least 2 opposite external walls of the building. Ventilation openings having an opening joints either side wall face of max length 600mm with flexible joints area of 1500mm<sup>2</sup> per meter und of perimeter wall or 500mm<sup>2</sup> per square meter of floor area, whichever is the greater. area of 1500mm<sup>2</sup> per metre run of per of floor area, whichever is the greater. over drain to form opening in wall to give 50mm space all round pipe: mask opening both sides with rigid sheet material and compressible sealant to prevent entry of fill or vermin. Maintain a 50mm air gap above insulation in the roof pitch to ventilate roof. Provide opening at eaves level at least equal to continuous strip 25mm wide and opening at ridge equal to continuous strip 5mm wide to promote ventilatio 51.TANKED PROTECTION

Cross-ventilation to be provided on opposing sides by a proprietary eaves ventilation strip equivalent to 25mm continuous with fly proof screen. Flat roof insulation is to be continuous with the wall insulation but stopped back to allow a 50mm air gap above the insulation for ventilation.

## 41 GLASS BALLISTRADING

All balcony balustrades to be min 1 1m in height. Balustrades to be in All balcomp balasitades to be firm 1, min in lengin, Balasitades to be in toughened glass in accordance vith Part K (Part N in Wales) of the Building Regulations and designed to resist the horizontal force given in BS 6180:2011. No openings in any balustading should allow the passage of a 100mm sphere and children should not readily be able to climb the guarding.

## 42. TRADITIONAL BALUSTRADES

the balustrades to balcony min 1100mm in height and capable of resisting Ensure continuity between wall and floor waterprototing and around. All pockets formed in brick work for steel beams to be made good compartment wall. at least the horizontal force given in BS 6180:2011. No openings in any balustrading should allow the passage of a 100mm sphere and children should Penetrations through waterproofing to be kept to a minimum and 43.DOOR BETWEEN HOUSE AND GARAGE Door between garage and house to be ED30 self closing with a 100mm step

## seals. Construction between house and garage to be 30 minutes fire resisting

New rainwater goods to be new 110mm UPVC half round gutters taken and connected into 68mm dia UPVC downpipes. Rainwater taken to new soakaway, situated a min distance of 5.0m away from Ensure that all materials and products are compatible. Assess structure for aid any building, via 110mm dia UPVC pipes surrounded in 150mm granular fill. Soakaway to be min of 1 cubic metre capacity (or to depth to Local Authorities approval) with suitable granular fill and with geotextile surround to prevent migration of fines. If necessary carry out a porosity test to determine design and depth of

52.DRAINED CAVITY WATER PROOFING SYSTEM

elements are to be detailed by a Structural Engineer.

certificat

53.FIXED EXTERNAL LIGHTING

54.PLUMBING SPECIFICATION

55.STRUCTURAL STEEL WORK

Light fitting to be either:

with automatic mo

of work

the Domestic Building Services Compliance Guide.

ensuring lights shut off automatically when not required.

with 75mm deep back inlet gully to suit ground finish

, lamp capacity not greater than 100 lamp-watts per light fitting and provided

b. lamp efficacy greater than 45 lumens per circuit-watt: fitted with manual controls and automatic day light cut-off sensors so that lights switch off when daylight is sufficient.

Provide and install hot and cold water supplies for connection to fittings and

Fit sink. washing machine and dishwasher with 38 diameter PVC waste pipes,

Provide and lay 100 mm diameter underground quality PVC pipe, to form under floor ventilation duct between existing and new air bricks.

All material and workmanship to be in accordance with BS 449 or BS 5950.

Type C drained protection in accordance with BS 8102: 1990

RIW Cavity Drain System as BBA certificate for use in new constructions

suitability of tanking system. The surface must be examined for defects and

All materials and products to be installed by a competent contractor strictly in accordance with the manufacturer's recommendations, BS 8102 and BBA

repaired in accordance with manufacturer's details if required. All retaining

# chambers to be provided at all changes of level, direction, Ensure suits connections and every 45m in straight runs. Inspection chambers to of direction.

46.INSPECTION CHAMBERS around the perimeter of the floor and install a sump and mechanical pump as manufacturer's details with suitable access if required. Underground quality proprietary UPVC 450mm diameter inspection Dianage channel to be provided with an adequate fall to a suitable soakaway.

 

 47 ABOVE GROUND DRAINAGE
 manufacturer where unavoidable. In very high water table area an additional moisture barrier may be required. Construct an independent imber same with preservative treated timbers studyows.
 3.Floor - 0.18

 41 new above ground drainage and plumbing to comply with BS EN using 100mm x 50mm treated timbers with head and sole plates and nogelins at 12056-2:2000 for sanitary pipework. All drainage to be in accordance with Part H of the Building Regulations. Wastes to have at changes of direction.
 40 membrane.
 5.Floor - 0.18

 41 new above ground drainage and plumbing to comply with BS EN using 100mm x 50mm treated timbers with head and sole plates and nogelins at accordance with Part H of the Building Regulations. Wastes to have at changes of direction.
 5.ICOATIONS OF FIRE COLLARS OR SERVICES PENETRATING COMPARTMENTATION WALLS AND FLOORS

 Insulation requerements Insulation between and over studs to be 90mm Celotex FR4000 between and Size of wastes pipes and max length of branch connections (if max 37.5mm Celotex PL4000 insulated plaster board with VCL over studs.

length is exceeded then anti vacuum traps to be used) Wash basin - 1.7m for 32mm pipe 4m for 40mm pipe Bath/shower - 3m for 40mm pipe 4m for 50mm pipe W/c - 6m for 100mm pipe for single WC All branch pipes to connect to 110mm soil and vent pipe erminating min 900mm above any openings within 3n Or to 110mm upvc soil pipe with accessible internal air admitti or to from upwe som pipe wind accessible memoria an admittance valve complying with BS EN 12380, placed at a height so that the outlet is above the trap of the highest fitting. Waste pipes not to connect on to SVP within 200mm of the WC

Svp to be extended up in 110mm dia UPVC and to termi

## Supply hot and cold water to all fittings as appropriate

50.PIPEWORK THROUGH WALLS

at foot of SVP. Provide cross-ventilation under floor to outside air by ventilators in at least 2

### BLOCK AND BEAM FLOOR VENTILATION

## Vandex Super

Type A waterproofing in accordance with BS 8102: 1990 to give a protection level of grade 2 (suitable for concrete surfaces and storage areas only as detailed in BBA certificate). Ensure that all materials and products are compatible. Assess wall and floor slab surface with a trowel or suitable spray equipment. Provide a coved fillet with a suitable mortar at wall and floor junction. All concrete encased steel work to be unpainted detailed by specialist waterproofing manufacture where navoidable. Vandex Premix to be used as a final coat in areas there enhanced resistance to mechanical abrasion is required. Provide 77.5mm Celotex PL4000 insulated plasterboard dry-ling and floor finish as required strictly in accordance with manufacturer's recommendations.

# Structural steelwork sections to be Grade 43A mild steel in accordance with BS

## Contractor must verify all dimensions on site before commencing any work or making any shop drawings. No dimensions to be scaled from drawings, any discrepancies must be reported to the Structural Engineers prior to proceeding.

Steel work contractor to design all connection details for maximum moments and reactions as indicated on Structural Engineers drawings and calculations. Ensure that all materials and products are compatible. Assess structure for suitability of tanking system and ensure substructure is free draining. The concrete surface must be examined for defects and repaired in accordance with manufacturers details if required. All retaining elements are to be detailed by a Competent contractor All retaining and BA certificate. Concrete surface to be prepared for waterproofing system by being bush bed presented with on waterproofing system by being bush bed presented with the manufacturer's manufactures and repaired in accordance with manufacturer's recommendations. Strictly in accordance with the manufacturer's manufactures and BA certificate. Concrete surfaces to be prepared for waterproofing system by being bush hammered, scabbled or sandblasted and then wetted down. Apply how coats of Vandex Super Crystalline Naterproofing, to the one of the state of

## in grade 35 concrete. Engineer's calculations

if inadequate new lintels to be installed.

# All existing steel columns and beams to be painted with two layers of fire resistant product is on two actimical bound cavity painters and the stups to be correctly paint and encased with 2no. layers of 12.5mm plasterboard with staggered and respectively and apply 5mm gypusur plaster set to give half hour fire resistance.

CAVITY CLOSERS & BARRIERS

## Concrete padstones to be provided for steel beam, for sizes see Structural

All existing lintels are to be checked for suitability, where taking additional loads. Minimum thermal resistance path through the cavity closer (R-Value) must be at least

56. TIMBER: new timber to be grade c16 or c24 or engineering timber to bs en1995 as directed on th drawings. new timber to be vacuum impregnated with preservative to bs 5268. cut ends to be treated with brush applied preserva notches in joists not to exceed 25mm in depth timber fixings to be simpson strong tie or similar approved as directed on the drawings

# 7. Part L1B: imiting parameters of thermal elements proposed

 

 Image: control in the control in th 5.Pitched roof - insulation between rafters - 0.18 6.Flat roof or roof with integral insulation - 0.18 Ensure suitable access points and rodding eyes at every 10m and every change <u>New & Replacement U-value W/m2 K</u> o of direction. <u>1.Wall</u> - cavity insulation - 0.18

# WINL & CEILING LININGS Contractor must ensure that all linings achieve minimum requirements of BS 476 Part 6 (Fire propagation) AND BS 476 Part 7 (Surface spread of flame)

Small rooms (4M<sup>2</sup> or less & domestic garage of 40m2 or less) Class 3/Euro class D-s3,d2\* External light fittings to be fitted as calculated in the DER and in compliance with Other rooms/Circulation spaces Class 1/Euro class C-s3,d2\*

## Refer to BS EN 13501-1 Fire classification of construction products and building ment detecting devices (PIR) and automatic daylight sensors elements. Classification using data from reaction to fire tests All material to comply with BS 476-11 Fire tests on building materials and structures. Method for assessing the heat emission from building materials

PERFORATIONS TO WALLS AND FLOORS nts should be reduced to a minimum. Where this is not

## Contractor to supply and install intumescent Quelfire Fire Stop Seal CE marked collar or similar approved to pipework penetrations through fire resisting walls or floors Styp to be extended up in 110mm dia UPVC and to terminate min 900mm above any openings within 3m. Provide a long radius bend at loot of SVP. Control Surveyor prior to installation. Perform air and running tests on completion •

electrical installation

WALL SUBFACES

WALL MATERIALS

ROOF COVERINGS

BESPOKE FURNITURE

locations

BROOF(t4) (European Class).

exit/entry points for services)

		may be notched 0 notch 1/3 joist dep packingpilates bold M1/0§800 centres strap fixing. Temp accept full respon- te works during t undermining to prior to consultation of the strap of the strap prior to consultation	ver bearing. He behind pies behind pies b	meximum di beam vithi Veam vithi veeb di beam in the shangeri a in the contractional di beam in the shangeri a tractico di beam in the shangeri a tractico di beam international	lepth of solid imberry ns activity is to lepth of the solid imberry lepth o
Issue	Notes			Draw	n Date
Su Tel: (	Ex uite 12, 29 Be 07375 45520	Press elmont Road, 6 Email: info	Uxbrd o@exp	ge, UE resspl:	38 1QS ans.co.uk
Client Mr.S 1a Po Lond SE15	. Contrac ennethorr on 5 5TH	tor ne Road			
Drawing SPE	Title CIFICATIC	DNS			
Scale	NTS	Date 19/04/24	Check AZ	ked Z	Drawn By AZ
Drawing	Number	4 -			Revision
D15					

Use intumescent putty pad (Rockwool Firepro or similar approved) to all sockets and switches located on partitions and walls forming protected areas (e.g partitions forming escape routes). Install following manufacturers guidelines

Use UKAS certified acoustic & fire rated hoods to ceiling openings/ holes used for

Restore fire protection levels to ceiling, partition and wall boards by using Rockwool Firepro sealant or similar UKAS certified, to all linear joints around holes

What you makes External surfaces of the building to comply with the guidance of BS 9991 Fire safety in the design, management and use of residential buildings. Code of practice

WALL MATEHIALS The wall system should be constructed in non-combustible materials or material of limite combustibility, as defined in Clause 3.45 of BS 9991:2015. Alternatively, materials to demonstrate adequate performance to BR 135.

The performance of roof coverings is designated by reference to the test methods specified in BS 476-3. As part of the roof covering is within 6m from the adjacent site boundary, the minimum classification to be achieved is AA, AB or AC (National Class) o

Use timber pressure treated with fire retardant, compliant with BS EN 335:2013: Durabili of wood and wood-based products. Alternatively, use Fire Retardant MDF, suitable fo b) Hoto and Hotochaster products, Alternatively, user international much, satisfied of use in internal dry conditions for non-structural applications. Product to be CE marked and comply with Euroclass B or C fire rating in accordance with European Standards an BS 476: Part 22: 1987 Fire tests on building materials and structures.

To comply with both BS 9991 and Approved Document B2: having a minimum 30-minu integrity and 15-minute insulation. Cavity barriers to be provided at all of the following

Edges of cavities, including around openings (such as windows, doors and Junction between an external cavity wall and every compartment floor and

Junction between an internal cavity wall and every compartment floor, compartment wall or other wall or door assembly forming a fire resisting barrier.

0.45m2k/W. Contractor to establish compliance with BS/ Building Regs and installed product is UKAS certified. Both cavity barriers and fire stops to be correctly

Building Regulation Approval: The owners of the property are advised that an approval of the calculations and drawings by the Local Authorit Building Control should be obtained prior to any ring of material or fabrication. No liability i ordering of material or labitization, two inability is accepted for any changes that may be required as a result of work having commenced prior to such an approval having been obtained. -This drawing remains the copyright of Express plans and is not to be copied altered or changed without permission. This drawing to be read in conjunction with architects and project specifications. Any discrepancy between and project specifications. Any discrepancy between this drawing and all other project drawings should be this drawing and all other project drawings should be brought to the attention of Express plans for clarification prior to commencing the works Local Authority's building inspector is to be informed by the contractor in writing at least 48 hours prior to

he works starting on site and their agreement obtained that work can commence. Structural Steelwork: All steel members grade to be BS EN

Steelwork: All steel members grade to be BS EN 10025 S275 JO (Hollow sections to be S355). Length of the beams and the columns should be provided by the contractor allowing minimum bearing. DO NOT SCALE THE DRAWING. psion Protection; Preparation: Shot blast to

Steel Corrasion Protection, Preparation: Snot blast to SA2. S. Shop prime: Zuc phosphate (dt 17 microin) Fire Protection to steel Beams & columns: Box around all steels with 50 x 50 s.w. framework and 2 layers of 12 form Fire line plasterboard with staggered joints and 3.5mm skim finish, Pad stones: Pad stones to be grade C30 concrete. Beam bearing on pad stones to be minimum 100mm

nless otherwise noted specified on Structural Timbe



**Steel Beam to Steel Column Connection** 

					-		
Issue	Notes			Drawn	Date		
Express Plans							
0	uite 12 29 Be	elmont Road,	Uxbrdg	ge, UB8	1QS		
Tel:	07375 45520	6 Email: info	@expi	ressplan	is.co.uk		
Client Mr.S 1a P Lonc SE1	Contrac ennethorr lon 5 5TH	6 Email: info tor ne Road	o@expi	ressplan	is.co.uk		
Client Mr.S 1a P Lonc SE1	Contrac ennethorr lon 5 5TH	6 Email: info tor ne Road	o@expr	ressplan	IS.CO.UK		
Client Mr.S 1a P Lonc SE1 Drawing	. Contrac ennethorr lon 5 5TH 1 Title	6 Email: info tor ne Road	o@expr	ressplan	IS.CO.UK		
Client Mr.S 1a P Lonc SE1	Contrac ennethorr lon 5 5TH	6 Email: info tor ne Road	o@expi	ressplan	IS.CO.UK		
Tel: Client Mr.S 1a P Lonc SE1: Drawing CON	. Contrac ennethorr lon 5 5TH 1 Title	6 Email: info tor ne Road	D@expi	ed C	)rawn By		
Client Mr.S 1a P Lonc SE1: Drawing CON	. Contrac ennethorr lon 5 5TH I Title INECTION	6 Email: info tor ne Road S Date 19/04/24	Checko AZ	ed C	Drawn By AZ		
Client Mr.S 1a P Lonce SE1: Drawing CON Scale	. Contrac ennethorr lon 5 5TH INECTION	6 Email: info tor ne Road S Date 19/04/24	Check AZ	ed C	Drawn By AZ Revision		

weld. with 130x120x10mm thick

\_\_\_\_\_A2 & A3

Notes: Building Regulation Approval: The owners of the property are advised that an approval of the acculations and drawing by the Local Authority Building Control should be obtained prior to any accepted for any changes that may be required as a negative of the advised prior to auch an approval naving been obtained prior to auch an approval naving been obtained. -This drawing remains the copyright of Deprese plans and a in to be occepted to copyright of Deprese plans and a in to be occepted to copyright of Deprese plans and a in to be occepted to copyright of the mach in conjunction with architects and project specifications. Any disconservice between this drawing be nead in conjunction with architects and project specifications. Any disconservice between the drawing and all other project drawings should be brought to the attention of Ecorea plans for claintification prior to commence. Struckural brow the works attrips on alte and their genement obtained that work can commence. Struckural of the beems and the columns blow be provided by brow of the beems and the columns blow be provided by the contractor allowing minimum bearing. DO NOT SIGLALE THE CONVINCI. Stead Consolan Protections Preparation: Sind blast to SA15. Shop plasterboard with atsgened priors and 3.mm skim finah. Pael stones: Red stones to be minimum 100mm unkes otherwise badres to be dealed to consoler. Bad atomes the addrese stones to a construction all addeals with 50 x 50 x for the maximum dealed of the form and stones to be minimum form whises otherwise badrese to the statel beams and 3.mm skim finah. Pael stones: Red sole dato of concreters and stome stones to be animized to addrese attra finah. Thereory blocks: The obtained stores attra finah finah property blocks: The o



ack	Issue	Notes			Drawn	Date	
	Express Plans Suite 12, 29 Belmont Road, Uxbrdge, UB8 10 Tel: 07375 455206 Email: info@expressplans.c						
	<sup>Client</sup> Mr.S. Contractor 1a Pennethorne Road London SE15 5TH						
	Drawing Title CONNECTIONS						
	Scale	NTS	Date 19/04/24	Check AZ	ed D	)rawn By AZ	
	Drawing	F	Revision				
	D17						