



 $\frac{Note}{F.C.L}$  to be notified if assumed joist spans are any different prior to ordering of Steel Beams

	Index	Date	Description	Autho
General	Note	S		

# 1. This drawing must not be scaled.

## STEELWORK DETAILS

- 1) Steelwork Contractor/fabricator is required to check all the relevant site dimensions
- prior to fabrication. Any discrepancies to be reported to F.C.L. 2) Steelwork Erection and fabrication to comply fully with BS5950
- 3) Where the Steelwork fabricator is not CE accredited, the fabricator should confirm with
- the client that this is not a requirement of the proposed project. 4) All Steelwork designed for Grade S355 unless noted otherwise. All flat plates designed for Grade S275 Steelwork (U.N.O) all in accordance with BS EN 10025.
- 5) All Steelwork connections are to be designed to suit BS5950 by the Steel fabricator unless shown on F.C.L Details. 6) All Welds are to be a minimum of 6mm CFW unless noted otherwise. Welded shelf angles/plates are to be welded to the steelwork with 150mm hit, 150mm miss
- intermediate welds (U.N.O). 7) All Bolts are to be designed to be minimum Grade 8.8.
- 8) Where Steelwork supporting floor loading over, the contractor is to ensure that the Steelwork has a minimum of  $\frac{1}{2}$  hr fire protection around it using Intumescent paint or two layers of plasterboard. All steelwork is also to be coated using an appropriate protective paint. Steelwork above ground to be finished to give correct fire rating to current building regulations. All external/exposed steelwork to be galvanised. Generally steelwork to be finished with zinc phosphate primer
- 9) All Steel Beams are to bear 150mm where possible or a minimum of 100mm (U.N.O) onto a Concrete Padstone (padstones to be minimum 21.0N/mm<sup>2</sup> concrete) /Steel bearing plate or Engineering brick bearing as shown on the drawing. 10) The contractor is to ensure all dead loads are in place prior to the installation of
- glazing. The glazing supplier is to design to accommodate live load deflections of span/360 or as noted on the drawings. 11) Eccentrically loaded beams to have ends fully built in prior to floor/wall loading from
- above. 12) Temporary propping may be required where eccentric loads occur. if in any doubt please contact F.C.L.
- 13) Longer beams may require splicing to enable safe handling F.C.L to be contacted should splice connection be required. Site measurements to be taken by contractor prior to ordering of steel.

# TIMBER DETAILS

- 1) All timber work to be carried out strictly in accordance with BS 5628
- 2) All Timber to be a min. grade C16 unless noted otherwise 3) All proposed new Timber is to be treated to suit current NHBC Requirements. 4) All Nails are to be in accordance with BS 1202, all screws are to be in accordance with
- BS 1210 and wood glue is to conform with BS EN 204 strength grade D4. 5) Unless noted otherwise timber lintels, where required to be min 2/50x150mm C16. 6) All multiple timber elements to be bolted together with min M12 bolts @ 450mm c/c.
- 7) All Bolts to timber work are to be fitted with square plate washers as not to crush the timber elements under load.
- 8) All joist hangers, Lateral restraint straps, truss clips and fixings are to be installed strictly in accordance with the manufacturers recommendations.
- 9) Notching of floor joists should not be greater than  $\frac{1}{3}$  of the joist depth and checked with F.C.L to confirm adequacy to do so. 10) Where lightweight Timber stud walls are over, the proposed floor joists are to be
- doubled (minimum) to form support and bolted with M12 Bolts at 450mm CRS. 11) Lateral restraint straps required to walls parallel to joists and timber roof spans. Straps to be at maximum 1.2m c/c apart and fixed to minimum of 3 No. joists. All straps installed to BS5268 & BS8103. Solid blocking to be used where joists are notched into steel beams. All joists to be doubled under partitions u.n.o. herringbone strutting/solid
- blocking required perpendicular to joist spans as follows:up to 2.5m span none required 2.5m - 4.5m span 1 row required mid span over 4.5m span 2 rows required equally spaced

### CONCRETE PRELIMINARIES

- 1. All concrete work to be carried out strictly in accordance with BS
- 8110.
- 2. All foundations to be min grade Gen3.

NOTES:

- 3. To be read in conjunction with all other Engineer's and Architect's drawings, details and specifications.
- 4. Do Not Scale.
- 5. Any alterations or amendments to be approved in writing by Engineer prior to carrying out on site.
- 6. All workmanship and materials to be in accordance with all current relevant Codes of Practice, British Standards and Current CDM Regulations
- 7. All Structural Elements to be measured on site prior to ordering. Fordham Consulting Ltd <u>NOT</u> responsible for beam length measurements

FCL does not act as

Principal Designer. See

		PADSTONE SCHEDULE							
	REF.		PAD	Ī					
	P1		300mm x 100mm x 150mm Deep Mass Concrete Padstone.						
TEELWORK SCHEDULE									
TION		* ACTUAL SIZE			WEIGHT				
		DEPTH		WIDTH	(Kg/m)				
2	UC 37		162	154	37.0				
	* TO NEAREST mm.								

It is the responsibility of the main contractor to consider the need for temporary works - props, shores, bracing, needles etc - to provide suitable temporary works where required; maintain the integrity of the existing structure and temporary support throughout the duration of the project; and appoint a temporary works Engineer if deemed necessary

All temporary works shall be supported and braced off suitable foundations; no temporary works are to be supported or bear directly or indirectly off suspended floors or suspended structural elements without the provision of secondary back propping through to a suitable foundation - or provision of structural calculations to justify structure.

> <u>Note</u> Beam to be installed in accordance with current CDM regulations.

Note All beams to be measured on site prior to ordering of Steels/Lintels.

<b>/</b> •	calculations for DRA sheets.								
<u>,</u>	<u>No</u> site ha	work e until s beel	s to c contr n prep	ommence o actor's RAi pared.	on MS				
Rev.	Date	Ву	Descript	ion		App.			
Member siz design requ associated at the desig handling an	es and o irrements with hand n stage. d lifting.	limensions of the pro- dling and Contracto All tempol	s have be oject. Con installatio. or must be rary work:	en designed in orda itractor should be a n of structure which suitably experienc s must comply with www.fon admin@	er to satisfy th ware of risks n cannot be re ed in all aspe current legisl dhamconsulting.cc fordhamconsulting mcales 01223 85	emoved cts of ation.			
CLIENT									
Cedric	: Bran	dt							
PROJECT 1 Peto	Plac	e, Lond	don N	W1 4DT					
DRAWING	TITLE								
Floor (	olan								
DRAWN E	3Y	CHECK	ED BY	DATE	SCALE				
JDN	/			11/03/2025	As Noted	l @ A1			
	No			WING No	R	-V			

[G] - 01

C1

25-0306

ALL ANGLES USED TO BE :-90 x 90 x 10mm THICK

FULLY WELDED USING :-6mm FILLET WELDS

#### BRACKET FIXED USING 12No. RESIN ANCHOR BOLTS

- 3 per BRACKET ADOPT HILTI-HIT HY-270 CHEMICAL

- ANCHORS THROUGHOUT