

1. Do not scale the drawings. The drawings are to be read in conjunction with the Architects drawings and verified with site conditions. For all dimensions and setting out refer to the Architects drawings.
2. Any discrepancies/variations between the drawings and site conditions are to be reported to the Engineer as soon as possible.
3. It is the contractor's responsibility to establish as far as practicable the correct location of all existing services and to mark them out on the drawings. All services to be removed or relocated shall be marked out on the drawings and the Contractor shall be responsible for ensuring that his operations do not in any way impair the safety or stability of any existing structure. The Contractor shall be liable for any temporary supports required for this purpose and shall immediately suspend the condition of the existing structures both before and after the execution of the work.
4. The contractor shall be responsible for ensuring that his operations do not in any way impair the safety or stability of any existing structure. The Contractor shall be liable for any temporary supports required for this purpose and shall immediately suspend the condition of the existing structures both before and after the execution of the work.

Padstones:-	C20/25
Max. Agg. size	10mm
Min. cement content	330kg/m ³

- Aggregates to be grading limit M to BS 5328:1991.

1. Structural steelwork, to be grade S275JR, to BS 5650 Pt. 1.3.
2. Roll over sections to be grade S355 JR, to BS 5650 Pt. 1.3.
3. Bolts shall be generally grade 8 bolts to BS 3692 as indicated on the drawing. All bolts and cleats need to be supplied to site.
4. Washers to comply with recommendations in BS 4320:1988.
5. Any welds are to be continuous fillet or butt welds as specified on the drawings. All welded chain comply with BS 5135:1984 & BS 5136:1984. All welded chain and welders complying with BS 4870, BS 4871 and BS 4872.
6. Structural steelwork is to be shot blasted to Swedish standard SA 2.5 or BS 7079 Part 1 and sprayed with a holding coat of paint as soon as practicable but within 2 hours of shot blasting. Steelwork shall then be painted with 2 coats zinc phosphate primer 75um d.f.t. per coat, prior to installation. No paint treatment where steelwork encased in concrete.
7. Beams bolted walls shall have 100 minimum end bearing and 100 minimum edge bearing. All steelwork shall be blumbrunt based paint locally, including beam and column end faces before building into masonry.
8. All steelwork shall receive a minimum of 1/2 fire fire resistance to architect's details.
9. Gird under steelwork to be built on base plates shall be construction products (id / Ref: 0870 333 0070) or similar approved. Preparation and application should be to BS 540.
10. External steelwork is to be hot dip galvanized unless specifically noted otherwise. Black clean steelwork to BS 7079 part 1.1, followed by electrol Galvanising shall be to BS 729 minimum average coating of 80 mcs (6.0g/m2).
11. Steelwork to be fabricated to meet all requirements of execution class 2 for the structure as a whole, the components and the details as specified and in accordance with BS EN 1090-1, BS EN 1090-2 Part 2 and the CE marking legislation.
12. All steelwork to comply with the national structural steelwork specification for building construction, published by BCSA(SICI).
13. Where stainless steel products are connected to mild steel products neoprene washers and gaskets are to be used in order to separate the two materials.
14. All work shall be carried out in agreement with the engineer. Site welding shall not be carried out without prior agreement. The engineer shall be notified of any welding work. Site welding shall not be carried out without prior agreement of the engineer, and after approval of the contractors method statement.

1.	All structural timber to be copper-organic preservative treated, such as Tanalith or similar, uprooted to satisfy use classes 1 & 2 in accordance with NHC's recommendations. See also architects specifications and recommendations.		
2.	BS EN 338: 1995 grade C16 or C24 as noted on the drawings. BS EN 338: 1995 grade C16 or C24 as noted on the drawings.		
3.	Timber shall be strength graded to BS 4978 for visual grading and BS EN15 for machine grading or to the standards from other countries which are acceptable by the UK Timber grading committee (UK T.G.C.). Graders must be trained and registered every year and be part of the UK T.G.C. All timbers must be supplied marked either dry or kiln dry. Any unmarked or wet graded timber must be used for structural purposes.		
4.	Timber shall be protected against decay by Expanol Building Products (Tel 0191 411 2244) or similar approved, and fixed in accordance with manufacturer's instructions. Note: Use 32 x 4 SWG square twisted nails with speedy type hangers. Alternatively use Simpson strong-tie connectors (Tel 01827 255600) or similar approved.		
5.	Solid timber joists and studs shall only be notched or drilled in accordance with limits indicated in the table below. For joists up to 250mm depth: Notching top edge. 0.15 x depth of joist set between 0.1 & 0.2 of span. Drilling Drill on centre line 0.25 x depth of joist set between 0.25 & 0.4 of span. Drilling studs Drill on centre line 0.25 x depth of stud set between 0.25 & 0.4 of height.		
6.	Note: A notch and a drilling in the same joist shall be at least 1000mm apart horizontally and within the locations above.		
7.	Structuring of floor and ceiling joists: Intermediate structing shall be provided as follows: Joist Span (m)	Rows of structing	
	Up to 2.5m	None	
	2.5 - 4.5	1	
	Over 4.5	2	
a)	Where necessary, a row of structing shall be provided horizontally across the joists like the ceiling joists.		
b)	Intermediate structing shall be at least 38mm and shall be located clear of the top and bottom edges of joists.		
c)	Solid structing shall be at least 38mm thick.		
d)	The depth of solid structing shall be at least three-quarters of the depth of the joists.		
e)	Structing shall be blocked to walls at ends using folding wedges.		
f)	Loadbearing or non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
g)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
h)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
i)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
j)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
k)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
l)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
m)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
n)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
o)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
p)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
q)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
r)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
s)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
t)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
u)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
v)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
w)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
x)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
y)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
z)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
aa)	Non loadbearing stud partition walls to be constructed using 50x100 C16 timber studs generally at 400c/c, complete with 50x100 C16 top and bottom plates and two rows of light fitting noggin's at 3rd and 2nd/3 height. Studs should be graded to the strength above bows limited to 1/30th of their length. Where openings are formed in loadbearing studwork, timber joist sizes are shown on the drawings.		
ab			

[illegible]



