

**Column Schedule**

C1	152x152x37 UC
C3	152x152x30 UC
C4	203x203x46 UC
C5	203x203x60 UC
C6	193.7x8 CHS
CC1	400 x 225 RC

**Beam Schedule**

B1	152x152x23 UC
B2	350x150x10 RHS
B3	203x203x46 UC + 150x90x10 RSA welded to web
B4	356x171x51 UB
B5	203x203x60 UC
B6	533x210x122 UB + 150x90x10 RSA welded to web
B7	152x152x37 UC
B8	203x203x86 UC + 150x90x10 RSA welded to web
B9	254 UC107 + 150x90x10 RSA welded to web
B10	254x254x89 UC + 150x90x10 RSA welded to web
B11	305x165x46 UB
B12	254x146x31 UB
B14	305x305x158 UC
B15	254x254x73 UC + 150x90x10 RSA welded to web
B16	254x146x43 UB
B17	305x165 UB46 + 150x90x10 RSA welded to web
B18	203x203x71 UC
BR1	150 x 10 MS plate cross-brace
CB1	750d x 250w WRC
CB2	350d x 600w MC
CB3	600d x 250w RC
CB4	600d x 250w WRC
CB5	400d x 200w RC
EA1	100x100x10 EA fixed to perimeter with M12 @ crs with HY270 resin UNO min 80mm embedment
EA2	150x150x12 EA fixed to perimeter

**Floor Schedule**

Floor	Concrete	Profiled Deck	Timber Floor	Glass Floor
1	150 thk RC ground bearing slab on 50mm blinding and 150mm well compacted hardcore			
2	140 thk profiled NWC slab on TATA Comflor 60 1.0 mm gauge deck with 1 layer A193 mesh top. 19mm dia shear studs welded to top flange at 300 crs in pairs			
3	200 thk RC slab			
4	350 thk WRC slab on 50mm blinding and well compacted subgrade			
5	250 thk suspended RC slab			
6	300 thk WRC slab			
7	200 thk WRC slab			
8	150 x 50 C16 joists @ 400crs with two layers of 9mm ply, glued and screwed to top of joists			

**Legend**

Proposed RC structure

Proposed WRC structure

Proposed Steel Framing

PSx PS1 - 450lg x 215wd x 150dp IMC padstone  
PS2 - 600lg x 215wd x 215dp IMC padstone

ST Connection Strengthening

M Moment connection

B1 [ 25mm ] Pre-camber

C Crank

S Splice

TB Thermal Break

BR Break in beam

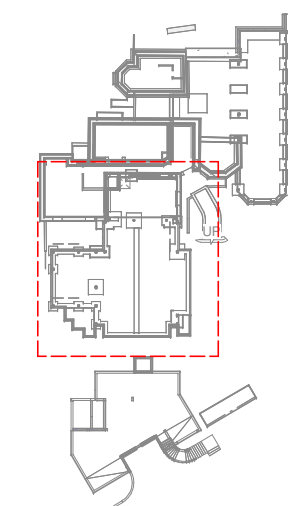
Indicates column baseplate loading

Indicates connection loading

Refer to drawings 004 for connection loading tables

**Pad Foundation Schedule**

P1	2000 x 2000 x 750 thk MC pad footing
P2	2250 x 1500 x 750 thk RC pad footing
P3	1200 x 1200 x 750 thk MC pad footing
P4	2600 x 1500 x 750 thk RC pad footing
P5	2200 x 1000 x 500 thk RC pad footing
P6	2500 x 2500 x 750 thk MC pad footing
P7	1500 x 1500 x 350 thk MC pad footing
P8	750 x 750 x 350 thk MC pad footing



DWG P314 1:500

- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm
- All post-fix anchors into masonry to be fixed with Hilti-HY270 resin UNO. Refer to details for fixing type and embedment depth
- All insulation and waterproofing details to architect's specification
- ToS levels to underside of decking UNO
- All setting out to be confirmed on site in relation to existing structure

L Indicates requirement of UEA/EA welded to beam web. Refer to schedule for size of angles

[S] Indicates requirement for pairs of 100mm long 19Ø shear studs @ 300 crs welded to top flange of steelwork

C1	16.04.19	JH	GP	CONSTRUCTION ISSUE
T1	29.03.19	JH	GP	Issued for Tender
Rev	Date	By	Eng	Amendments

**HEYNE TILLET STEEL** STRUCTURAL ENGINEERS

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Job Name  
**Channing Junior School N6 5JR**

Drawing Title  
**Proposed Lower Ground Floor Plan - Phase 2**