

All foundations to be founded a minimum of 900mm below
ground level or founded on the same layer as existing
foundations, whichever is deeper.
Localised underpinning of existing footings may be required

75x225mm (C24)

47x175mm (C24)

Naylor ER2

Naylor ER2

Keystone S/K

Τ4

T5

Τ6

L1

L2

L3

Notes

2 No 47x150mm (C24)

Localised hay be required where proposed foundations are to be founded at a deeper level All to BCO approval.

Contractor to site measure all steelwork before ordering any steelwork

RESIDUAL RISKS

Timber trimmers. To support proposed flat roof joists.

Noggins to be a minimum of 75% of the joist depth.

- Noggins to be a minimum of 75% of the joist depth.

Lintels to achieve a minimum bearing length of 150mm at each end.

- Timbers to be spiked together.

- Noggins to be provided at third points.

- Noggins to be provided at mid-span.

Exact spec to suit proposed cavity width

Exact number to suit thickness of existing wall.

- Flat roof joists.

- Flat roof joists.

UNDER CDM REGULATIONS IT IS ASSUMED THAT THE MAIN CONTRACTOR AND SUB CONTRACTOR ARE FULLY COMPETENT AND FAMILIAR WITH THE SPECIFIC CONSTRUCTION METHODS REQUIRED TO UNDERTAKE IN THIS PROJECT.

THE CONTRACTOR'S ATTENTION IS DRAWN TO THE FOLLOWING RESIDUAL RISKS THAT ARE OVER AND ABOVE THOSE THAT A COMPETENT CONTRACTOR SHOULD BE AWARE OF :-

- 1. ALL LIVE SERVICES IN THE PROXIMITY OF THE WORKS ARE TO BE PROTECTED, DISCONNECTED OR DIVERTED PRIOR TO WORKS COMMENCING. EXTENT TO BE AGREED ON SITE WITH CLIENT PROJECT TEAM.
- 2. WORKS IN CLOSE PROXIMITY TO OPERATIONAL BUILDINGS. 3. CONTRACTOR SHOULD UNDERTAKE A CAT-SCAN PRIOR TO
- EXCAVATING/ PILLING 4. HISTORICAL SITE MAY CONTAIN CONTAMINATION, REFER TO SITE
- INVESTIGATION REPORT. 5. EXCAVATIONS IN CLOSE PROXIMITY TO EXISTING STRUCTURES - TRIAL DIG MAY BE REQUIRED TO ENSURE EXCAVATIONS DO NOT UNDERMINE EXISTING FOUNDATIONS





1:10 @ A1

TYPICAL SECTION THROUGH PERIMETER SIP PANEL 1:10 @ A1

ALL PROPRIETARY PRODUCTS (LINTELS, WINDPOSTS, MASONRY TIES, FIXINGS ETC) TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES. FOUNDATION NOTES ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS ALLOWABLE BEARING PRESSURE TO BE ACHIEVED = 75 kN/m² CONCRETE STRENGTH FOR PAD AND STRIP FOUNDATIONS TO BE FND2, TO BS8500-2 CONTRACTOR TO TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THAT ANY EXISTING SERVICES & DRAINS ARE ADEQUATELY PROTECTED DURING THE GROUND IMPROVEMENTS & FOUNDATION WORKS. ARCHITECT TO CONFIRM ALL FINISHED FLOOR LEVELS AND ALL PROVISIONS FOR RECESSED SLABS AT GROUND FLOOR TO SUIT FINISHES PRIOR TO CONSTRUCTION. ALL WATERPROOFING DETAILS TO ARCHITECT'S SPECIFICATION. LANDSCAPE ARCHITECT TO CONFIRM ALL LEVELS & AMP; SECTION DETAILS THROUGH INTERFACE BETWEEN MAIN STRUCTURE AND EXTERNAL TREATMENTS. STEELWORK NOTES ALL STRUCTURAL STEELWORK IS TO BE IN ACCORDANCE WITH RELEVANT CURRENT CODES OF PRACTICE AND THE LATEST EDITION OF THE NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION. ALL BELOW-GROUND STEELWORK TO BE ENCASED WITH MINIMUM 100mm CONCRETE SURROUND FOR CORROSION PROTECTION AFTER ERECTION/FINAL SETTING OUT AND PLUMBING OF WORK. ALL NEW STEEL BEAMS/COLUMNS/BRACING TO BE GRADE S355 U.N.O. ALL NEW STEEL PLATES TO BE GRADE S275 U.N.O. ALL BOLTS TO BE GRADE 8.8 WITH A ZINC PLATED FINISH. ALL STRUCTURAL STEELWORK AND FIXINGS TO BE ADEQUATELY PROTECTED AGAINST FIRE TO THE SATISFACTION OF THE LOCAL BUILDING CONTROL OFFICER AND IN ACCORDANCE WITH ARCHITECT'S DETAILS AND SPECIFICATIONS. FOR STEEL WITHIN AN EXTERNAL WALL CAVITY BUT NOT IN CONTACT WITH THE EXTERNAL LEAF OR WITHIN LINHEATED SPACES THE STEEL SHOULD BE BLAST CLEANED TO SA21/2 AND ONE 80 MICRON COAT OF ZINC PHOSPHATE EPOXY PRIMER APPLIED. FOR STEEL WITHIN AN EXTERNAL WALL CAVITY AND IN CONTACT WITH THE EXTERNAL SKIN (THIS INCLUDES SHELF ANGLES AND PLATES SUPPORTING EXTERNAL SKINS THAT ARE WELDED TO THE BOTTOM FLANGE OF THE STEEL SHOULD BE BLAST CLEANED TO SA21/2 AND ONE 450 MICRON COAT OF SOLVENT FREE FROXY APPLIED ALTERNATIVELY THE STEEL MAY BE GALVANISED TO A THICKNESS OF 85 MICRON, OR 200 MICRON OF HEAVY-DUTY BITUMEN APPLIED IN TWO COATS. ALL EXTERNAL STEEL SHOULD BE BLAST CLEANED TO SA21/2 AND THEN BE GALVANISED TO A THICKNESS OF 85 MICRON. EXISTING STRUCTURE NOTES THE CONTRACTOR MUST ENSURE THAT EXISTING STRUCTURE IS ADEQUATELY PACKED OFF THE NEW STEEL BEAMS USING SLATE OR SEMI-DRY MORTAR MIX. EXISTING MASONRY MUST BE IN GOOD CONDITION (I.E. NO CRACKS IN BLOCKS ETC.) AND WELL TIED TOGETHER. REBUILD WALLS LOCALLY IF IN DOUBT. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY WORKS AND MUST ENSURE THAT ALL WALLS, ROOFS AND FLOORS ARE ADEQUATELY SUPPORTED AT ALL STAGES DURING THE WORKS. THE DESIGN ASSUMES THAT THE EXISTING FLOORS, ROOF PURLINS ETC. SPAN IN THE DIRECTIONS INDICATED ON THE DRAWING, CONTRACTOR TO CONFIRM ALL INDICATED DIRECTIONS ARE CORRECT PRIOR TO STARTING ANY WORKS. IF SPANS ARE FOUND TO BE DIFFERENT TO THOSE INDICATED, IT SHOULD BE REPORTED FOR ACTION PRIOR TO ANY CONSTRUCTION BEING UNDERTAKEN CONTRACTOR TO SITE MEASURE DIMENSIONS BEFORE ORDERING ANY STEEL WORK 09.05.25 Updates to suit revised architectural layout to changing room area. LPG base added to drawing. J DATE DESCRIPTION DETAIL B DRG. STATUS 1:10 @ A1 TENDER $\checkmark \checkmark \checkmark \checkmark \checkmark \checkmark$ Screed and insulation shown indicatively - to architect's AJF FFL +0.00m ENGINEERING CONSULTANTS Refer to - drawing notes for slab details. CLIENT **GARETH KNAPMAN** PROJECT **PRENTON RUFC** All new cavity walls to be founded on 600x200mm (FND2) strip footings. Footings to be founded a minimum of 900mm below around level or DRG. TITLE founded on the same layer as existing STRUCTURAL DETAILS A1 foundations, whichever is deeper REV DRG.NO. 25039-AJF-ZZ-ZZ-DR-S-001 | T04

MASONRY NOTES

- 1. ALL MASONRY WORK IS TO BE IN ACCORDANCE WITH THE RELEVANT BS CODES OF PRACTICE, IN PARTICULAR BS 5628 AND THE SPECIFICATION.
- 2. ALL MORTAR BELOW GROUND IS TO BE M6 (MORTAR CLASS II). ALL MORTAR ABOVE THE DPC IS TO BE M4 (MORTAR CLASS III).
- 3. ALL BLOCKWORK FROM FOUNDATIONS TO ROOF LEVEL IS TO BE 100MM THICK SOLID WITH A MINIMUM COMPRESSIVE STRENGTH OF 7.3N/mm² AND A MINIMUM DENSITY OF 1350KG/m³ UNLESS OTHERWISE NOTED. CONCRETE COMMONS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20N/mm²
- 4. ALL DPM, DPC, AND WATERPROOFING/WEATHERING DETAILS TO BE IN ACCORDANCE WITH THE ARCHITECT'S AND SPECIALIST'S DETAILS. 5. WALLS TO BE TIED WITH STAINLESS STEEL WALL TIES (STAGGERED).
- WITH A MINIMUM EMBEDMENT OF 50mm 6. ALL CAVITY TRAYS AND WEEPHOLES TO DOOR OR WINDOW OPENINGS
- ARE TO BE IN ACCORDANCE WITH ARCHITECT'S DETAILS AND SPECIFICATIONS
- ALL NEW STEEL BEAMS TO BEAR MIN 100mm (PERPENDICULAR) OR 150mm (PARALLEL) ONTO NEW 330X100X140mm DP CONCRETE
- PADSTONES U.N.O. BEAM BEARINGS NOTED ON THIS DRAWING ASSUME BEARING ONTO SOLID MASONRY. ENGINEER TO BE CONTACTED IF THIS IS NOT THE CASE TO REVIEW REQUIRED BEARINGS. TIMBER NOTES
- L. ALL TIMBER TO BE GRADE C24 UNO. 2. ALL MECHANICAL FIXINGS, NAILS, SCREWS ETC. TO BE GALVANISED OR SHERADIZE
- 3. ALL TIMBER TO BE ADEQUATELY PROTECTED ON SITE AGAINST DAMAGE AND WEATHER
- 4. CONTRACTORS SHALL ENSURE TEMPORARY STABILITY OF RAFTERS DURING
- ERECTION PROCESS. THE CONTRACTOR SHALL ENSURE THAT THE STABILITY OF ANY FREE
- STANDING WALLS ABOVE WALL PLATE LEVEL IS MAINTAINED UNTIL THE FIXING OF ROOF TIMBERS HAS BEEN COMPLETED

©AJF ENGINEERING CONSULTANTS LTD 2025 ALL RIGHTS RESERVED. THIS DOCUMENT IS NOT TO BE COPIED WHOLLY OR IN PART, OR USED BY ANY THIRD PARTY WITHOUT EXPRESS WRITTEN CONSENT OF AJF ENGINEERING CONSULTANTS LTD. AJF ENGINEERING CONSULTANTS LTD ACCEPTS NO RESPONSIBILITY OR LIABILITY WHICH MAY ARISE FROM RELIANCE OR USE OF THIS DOCUMENT BY ANY OTHER PARTY OR FOR ANY OTHER PURPOSE.

GENERAL NOTES

- DO NOT SCALE FROM THIS DRAWING.
- ALL DIMENSIONS ARE IN MILLIMETRES U.N.O ALL RELEVANT DIMENSIONS TO BE OBTAINED/CHECKED AGAINST ARCHITECT'S DRAWINGS AND BY SITE MEASUREMENT PRIOR TO THE COMMENCEMENT OF WORKS OR ORDERING OF MATERIALS. DISCREPANCIES BETWEEN THE DRAWINGS AND SITE CONDITIONS ARE TO BE REPORTED FOR ACTION PRIOR TO ANY CONSTRUCTION BEING UNDERTAKEN.
- DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEER'S, SPECIALIST'S AND ARCHITECT'S INFORMATION. ANY DISCREPANCIES BETWEEN INFORMATION ARE TO BE REPORTED FOR ACTION PRIOR TO ANY CONSTRUCTION BEING UNDERTAKEN. ALL WATERPROOFING, DPM, DPC ETC BY OTHERS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND SERVICES THAT MAY EXIST AND TO DIVERT THEM IF NECESSARY, PRIOR TO COMMENCEMENT OF THE WORKS. ALL STRUCTURAL WORKS TO BE CARRIED OUT STRICTLY IN
- ACCORDANCE WITH THE DETAILS GIVEN BY AJF. THE ENGINEER IS TO BE ADVISED OF ANY SIGNIFICANT VARIATION PRIOR TO ITS IMPLEMENTATION.
- ALL SETTING OUT TO BE IN ACCORDANCE WITH THE LATEST RELEVANT ARCHITECT'S DRAWING. MATERIALS OR WORKMANSHIP NOT COMPLYING WITH THE ENGINEER'S DRAWINGS AND SPECIFICATION SHALL BE DEEMED UNACCEPTABLE
- AND REMOVED FROM SITE AND REPLACED WITH WORK CORRECTLY MANUFACTURED, DELIVERED AND ERECTED. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY WORKS AND SEQUENCING.