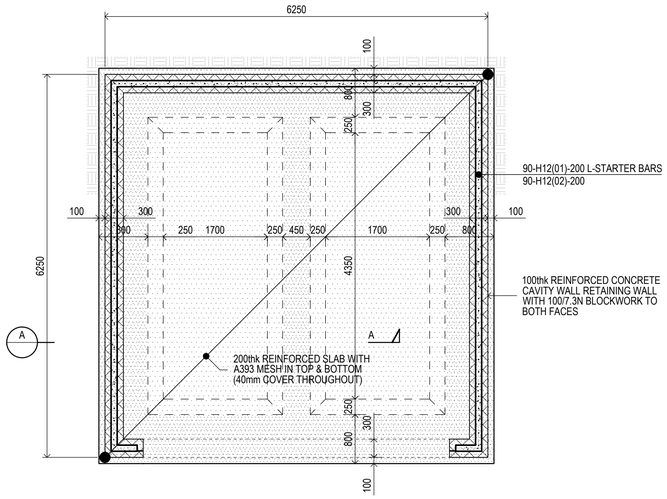
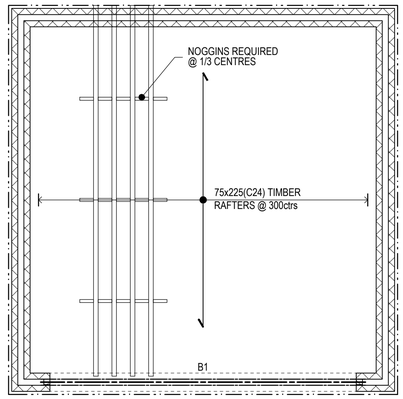
A1



REINFORCED CONCRETE SLAB LAYOUT

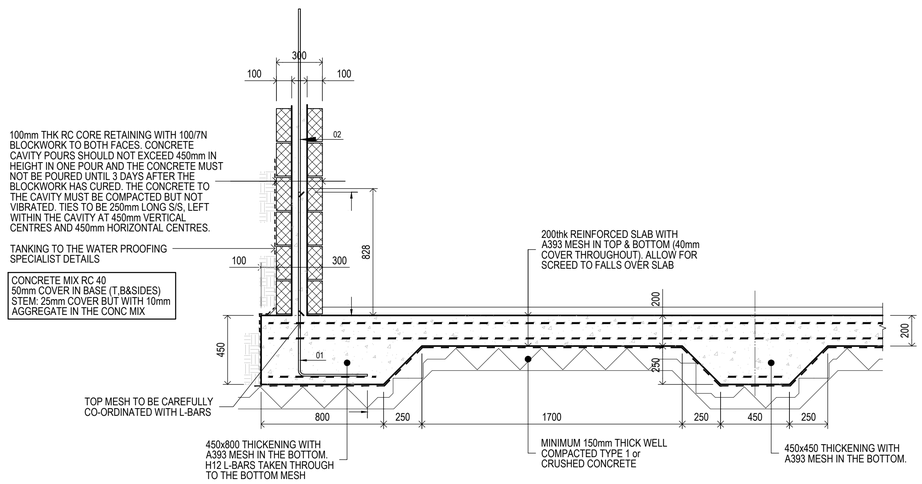
SCALE 1-50



B1 = FLITCH BEAM - 2/75x225(C24) TIMBERS SANDWICHING 200x10thk STEEL PLATES BOLTED TOGETHER WITH M12 BOLTS AND OVERSIZED WASHERS @ 500mm STAGGERED ctrs, DOUBLE BOLT AT SUPPORTS

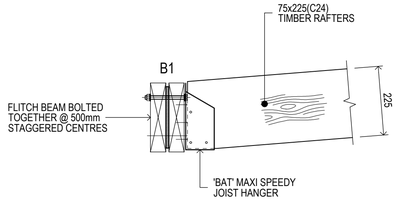
ROOF LAYOUT

SCALE 1-50



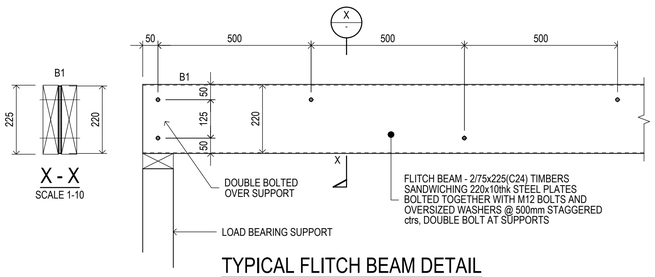
SECTION A - A

SCALE 1-20



SECTION B - B

SCALE 1-10



X - X

SCALE 1-10

TYPICAL FLITCH BEAM DETAIL

SCALE 1-10

1m 2m
SCALE 1-25

1m 2m 3m 4m 5m
SCALE 1-50

CDM REGULATIONS 2015 - DESIGNER'S RESIDUAL RISKS

1. SHORING/PROPPING TO DEEP EXCAVATIONS TO DESIGNED BY OTHERS.
2. EDGES OF EXCAVATIONS SHOULD BE PROTECTED WITH SUBSTANTIAL BARRIERS WHERE PEOPLE ARE LIABLE TO FALL INTO THEM.

Notes:

1. IN ADDITION TO THESE NOTES REFERENCE SHALL BE MADE TO THE SPECIFICATION FOR THE WORKS AND ALL RELEVANT ARCHITECTS AND SPECIALISTS DRAWINGS.
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SITE SETTING OUT DIMENSIONS BEFORE COMMENCING WORK.
3. DO NOT SCALE FROM THIS DRAWING. WORK TO DIMENSIONS OR COORDINATES PROVIDED. ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON THE DRAWING SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY
4. STRUCTURAL STEELWORK

4.1. NOTE TO BUILDER - WHEN ORDERING STEELWORK - USE THE SITE DIMENSIONS (INCLUDING BEARING LENGTHS) AND NOT THE LENGTHS USED IN THE ENGINEERS CALCULATIONS. REPORT ANY LENGTH DIMENSION DISCREPANCIES TO THE ENGINEER PRIOR TO ORDERING.

4.1. ALL STEELWORK SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH EUROCODE 3 AND THE NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION, 5th EDITION. CE MARKING AND MANUFACTURED TO BS EN 1090-2 EXECUTION CLASS EXC2

4.1. STEELWORK GRADES WILL BE AS BELOW, UNLESS NOTED OTHERWISE:-
- ROLLED STRUCTURAL SECTIONS & PFC'S = S355JR
- ROLLED HOLLOW SECTIONS = S355J2H
- PLATES, RE-ROLLED RSA's = S275JR

4.1. THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS IN ACCORDANCE WITH BS 5950 AND TO THE LOADS GIVEN ON THE DRAWINGS. ALL LOADS STATED ARE UNFACTORED CHARACTERISTIC LOADS.

4.1. THE FABRICATOR SHALL PROVIDE A METHOD STATEMENT DETAILING THE ERECTION SEQUENCE AND THE MEANS OF ENSURING TEMPORARY STABILITY OF THE FRAME.

4.1. STEEL SECTIONS ON TO PADSTONE MASONRY MUST BE FIXED AND TEMPORARY PROPS MUST BE PROVIDED BY MAIN CONTRACTOR AND PLACED 48 HOURS PRIOR TO FIXING DATE OF PC FLOORS PROPS TO REMAIN IN PLACE UNTIL INSITU CONCRETE INFILL BETWEEN SLAB AND STEELS HAS CURED FOR A MINIMUM OF 7 DAYS

4.2. ALL BOLTED CONNECTIONS TO HAVE A MINIMUM 4/M16(8.8) BOLTS UNLESS NOTED OTHERWISE.

4.1. ALL WELDED COMPONENT TO HAVE A MINIMUM 6mm FILLET WELDS UNLESS NOTED OTHERWISE

4.2. THE STRUCTURE IS CONSIDERED TO FALL WITHIN THE FOLLOWING CATEGORIES
- CONSEQUENCE CLASS CC2
- SERVICE CLASS SC1
- PRODUCTION CATEGORY PC1 (Unless agreed otherwise)
- EXECUTION CLASS EXC2 - ADOPT EXECUTION CLASS EXC2, BUT WITH THE FABRICATOR ENSURING THAT ALL STEELWORK INCLUDING BOLT / WELD CONSUMABLES ARE FROM REPUTABLE SOURCES WITH FULL WRITTEN TRACABILITY

5. WALLS

5.1. UNLESS NOTED OTHERWISE ON THE DRAWING, BLOCKWORK STRENGTHS WILL BE 7.3N/mm² TO UNDERSIDE OF DPC, IN 1:1:6 MORTAR

5.2. ALL BRICKS TO BE IN ACCORDANCE WITH BS EN 771-1:2011+A1:2015. ALL BLOCKS TO BE IN ACCORDANCE WITH BS EN 771-3:2011+A1:2015.

5.3. MORTAR WILL BE PROPERLY GAUGED TO GIVE A 1:1:6 MIX OR EQUIVALENT UNLESS NOTED OTHERWISE. AGGREGATES SHOULD BE IN ACCORDANCE WITH BS EN 12620:2013, BS EN 13139:2013, OR BS 3797:1990 PART 2. CEMENT SHOULD BE IN ACCORDANCE WITH BS EN 197-1:2011, BS EN 197-2:2014, BS EN 197-4:2004 & BS EN 413-1:2011

3.4. WORKMANSHIP WILL BE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF BS EN1996-2:2006 CLASS 1. BRICKS WILL BE LAID FROG UP, THE VERTICAL AND BED JOINTS FILLED SOLID WITH MORTAR

3.5. BOTH LEAVES OF CAVITY WALLS ARE TO BE TIED TOGETHER USING STAINLESS STEEL 'DOUBLE TRIANGLE' TYPE WALL TIES OR EQUIVALENT. WALL TIES SPACED AT 450mm VERTICAL AND 750mm HORIZONTAL CENTRES AND STAGGERED

4. MOVEMENT JOINTS:

4.1. THE OUTER LEAF OF EXTERNAL WALLS IS TO BE PROVIDED WITH 15mm WIDE MOVEMENT JOINTS AT LOCATIONS SHOWN ON PLAN. THE JOINT IS TO BE FILLED WITH A SUITABLE COMPRESSIBLE / EXPANDABLE MATERIAL AND SEALED WITH MASTIC. THE OUTER LEAF IS TIED TO THE INNER LEAF EACH SIDE OF JOINT AT 225mm VERTICAL CENTRES.

4.1. MOVEMENT JOINTS IN INTERNAL BLOCKWORK PROVIDED AT APPROXIMATELY 6.0m CENTRES TO MANUFACTURERS RECOMMENDATIONS.

5. STAINLESS STEEL BRICKTOR TO BE USED ABOVE AND BELOW THE WINDOW OPENINGS. (2No COURSES 600mm BEYOND THE REVEAL, ALSO ABOVE DOOR OPENINGS)

6. FLOORS DESIGNED FOR - (EXCL SWT)
- FINISHES - 2.0kN/m²
- SERVICES - 0.1kN/m²
- IMPOSED - 1.5kN/m² (COMMUNAL AREAS 3.0kN/m²)
- STUD PARTITIONS - 0.5kN/m²

Rev	Description	Drn	Chk	Date
A	INITIAL PRELIMINARY ISSUE	TGH	HE	28.10.18

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Client
Ms M Drake Brockman

Project
DANEBY BUNGALOW
THE LANE, FORDCOMBE

Drawing
PROPOSED LAYOUT OF GARAGE FOUNDATION RC SLAB AND ROOF

PRELIMINARY

Scale @ A1	Date	Drawn by	Checked
AS SHOWN	28/10/19	TGH	RJM

Job No.	Drg. No.	Rev
18-0596	S010	A