

- NOTES:**
1. TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DETAILS AND DRAWINGS AND CALCULATION SHEETS
 2. ALL DIMENSIONS IN MILLIMETRES AND LEVELS IN METRES
 3. AN ALLOWABLE GROUND BEARING PRESSURE OF 100KN/m² REQUIRED ON SITE TO BE CHECKED PRIOR TO CONSTRUCTION. ALL FOUNDATION FORMATIONS TO BE THE APPROVAL OF LOCAL AUTHORITY BUILDING INSPECTORS - IF IN DOUBT REFER BACK.
 4. FOUNDATIONS DEPTH TO BE IN ACCORDANCE WITH NHBC PRACTICE NOTE 3, 'BUILDING NEAR TREES' WHERE EXISTING TREES ARE RETAINED AND/OR NEW PLANTING SCHEMES DICTATE.
 5. CONCRETE FOR UNREINFORCED FOUNDATIONS DESIGNATED MIX GEN 3 (20N) TO B.S. 5328.
 6. CONCRETE FOR REINFORCED SLAB TO BE DESIGNATED MIX GRADE RC35 TO B.S.5328: PART 2: 1991
 7. MESH FABRIC TO B.S.4483 AND TO HAVE MIN 400mm LAPS
 8. MESH TO BE ADEQUATELY SUPPORTED DURING CASTING OF CONCRETE AND TO HAVE MIN 35mm COVER TO SLAB.
 9. ALL BLOCKWORK BELOW DPC LEVEL 7N UNLESS NOTED OTHERWISE & IN MORTAR TYPE (i) TO B.S.5628 (1:3 CEMENT:SAND).
 10. STRUCTURAL STEELWORK TO BE IN ACCORDANCE WITH NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION (LATEST EDITION).
 11. STRUCTURAL STEELWORK GRADE S355 AND PAINTED WITH ZINC PHOSPHATE PRIMER TO B.S.2569.
 12. BOLTS TO BE GRADE 8.8 UNLESS STATED OTHERWISE.
 13. CONNECTIONS NOT SHOWN ON SKETCHES, CALCULATIONS OR DRAWINGS TO BE DESIGNED AND DETAILED BY STEELWORK FABRICATOR.
 14. ALL WELDS TO BE 6 FILLET UNLESS STATED OTHERWISE.
 15. ALL DIMENSIONS TO BE CHECKED PRIOR TO FABRICATION AND FABRICATION DRGS TO BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
 16. LATERAL RESTRAINT AT FLOOR & ROOF LEVEL TO BE PROVIDED IN ACCORDANCE WITH APPROVED DOCUMENT A1/2 USING 30 X 5mm GALVANIZED STEEL RESTRAINT STRAPS FIXED ACROSS MIN. 3NO. JOISTS AT MAX. 2000mm CENTRES WITH NOGGIN PACKING AND TURN DOWN ENDS BUILT INTO WALLS.
 17. WALL PLATE STRAPPED TO WALL AT EAVES LEVEL USING 30 X 5mm RESTRAINT STRAPS MIN. 1000mm LONG AND AT MAX. 2000mm CENTRES. SECURE RAFTERS TO WALLPLATE USING ANCHOR FRAME TIES.
 18. THIS DRAWING IS THE PROPERTY OF BRIAN JONES STRUCTURAL ENGINEERS LTD. AND MUST NOT BE COPIED OR REPRODUCED EXCEPT WITH THEIR PERMISSION NOR MAY THE DESIGN OR ANY INFORMATION BE DISCLOSED TO ANY THIRD PARTY.

TEMPORARY WORKS
 19. ALL TEMPORARY WORKS TO THE EXISTING STRUCTURE, WALLS AND GROUND DURING CONSTRUCTION IS TO BE THE RESPONSIBILITY OF THE PRINCIPAL CONTRACTOR. ALL TEMPORARY WORKS SHOULD BE IN ACCORDANCE WITH GOOD WORKING PRACTICE & HEALTH & SAFETY REQUIREMENTS.

C.D.M. REGULATIONS 2015
 20. THE ROLE OF THE PRINCIPAL DESIGNER IS TO BE APPOINTED BY THE CLIENT IN WRITING PRIOR TO WORKS IN LINE WITH CURRENT C.D.M REGULATIONS 2015. FOR GUIDANCE REFER TO www.hse.gov.uk

FLOOR JOISTS STRUTTING

| JOIST SPAN (m) | ROWS OF STRUTTING |
|----------------|---------------------|
| UNDER 2.5m | NONE NEEDED |
| 2.5m-4.5m | 1 AT CENTRE OF SPAN |
| OVER 4.5m | 2 AT EQUAL SPACING |

HERRINGBONE STRUTTING AT JOISTS ENDS ARE REQUIRED WHERE THEY:-

- BEAR ONTO STEELWORK
- BEAR ONTO INTERMEDIATE WALLS
- ARE SUPPORTED ON JOIST HANGERS

DEEP REPOINTING AND REPAIR TO THE EXISTING WALL. CRACK STITCHING TO BE CARRIED OUT IN ACCORDANCE WITH DETAIL 02/01. NOTE LOCALISED RE-BUILDING OF STONEMWORK MAYBE REQUIRED

PADSTONES

P1 - *500x150x150mm DEEP
 *TO SUIT WALL WIDTH

BEAMS TO BEAR A MINIMUM 150mm ONTO PADSTONES

CAST IN SITU SITE MIX TO BE 1:1.5:3 (1pt Cement, 1.5pts Sand, 3pts 20mm aggregate) 40N STRENGTH AFTER 28 DAYS

DRAWINGS REFERENCE:-
 M2388/01 - FOUNDATION PLAN & DETAILS
 M2388/02 - GROUND & FIRST FLOOR PLANS & DETAILS

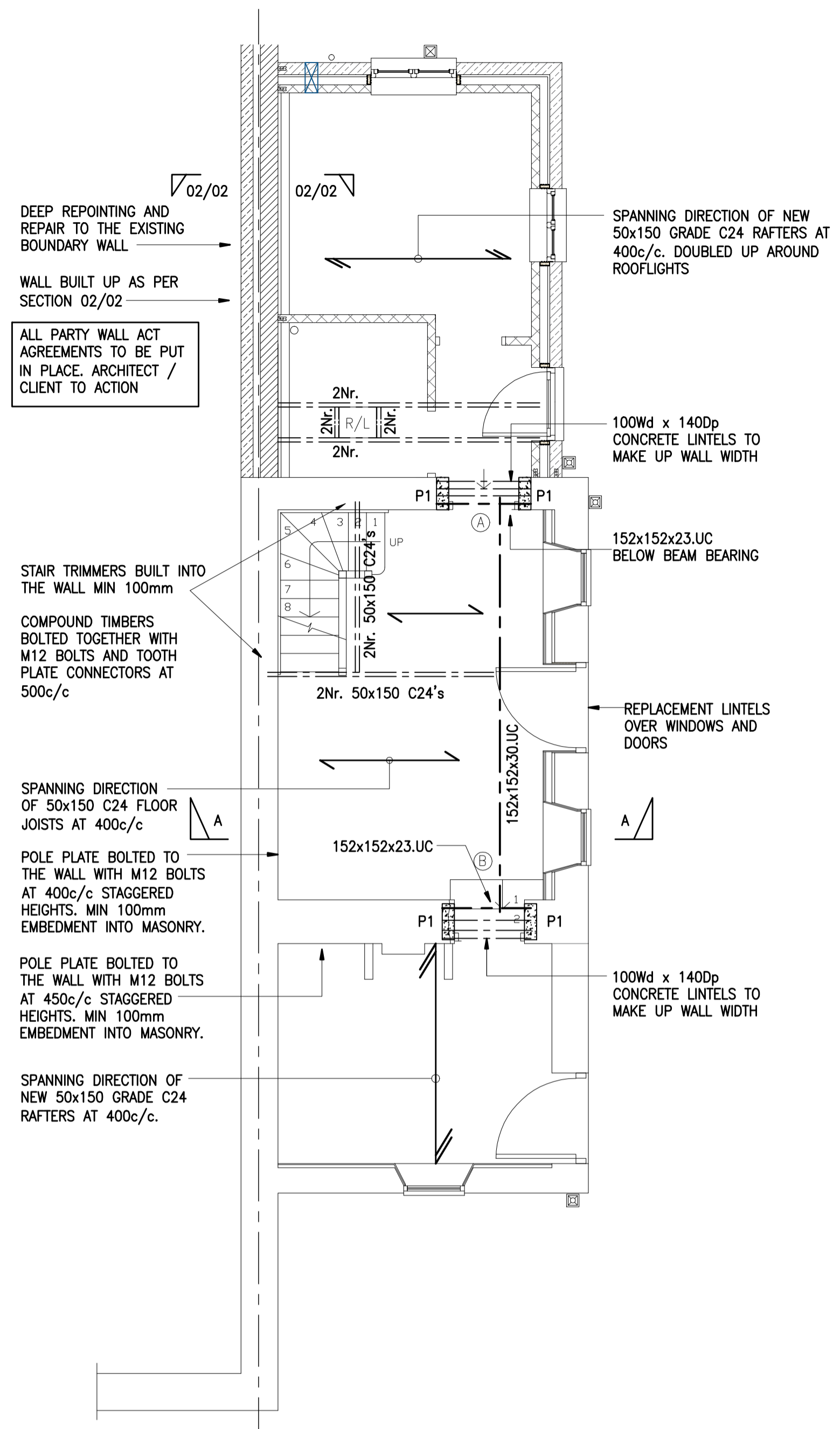
PRELIMINARY

PROPOSED EXTENSIONS AT MONTROSE, HENTON, WELLS, SOMERSET

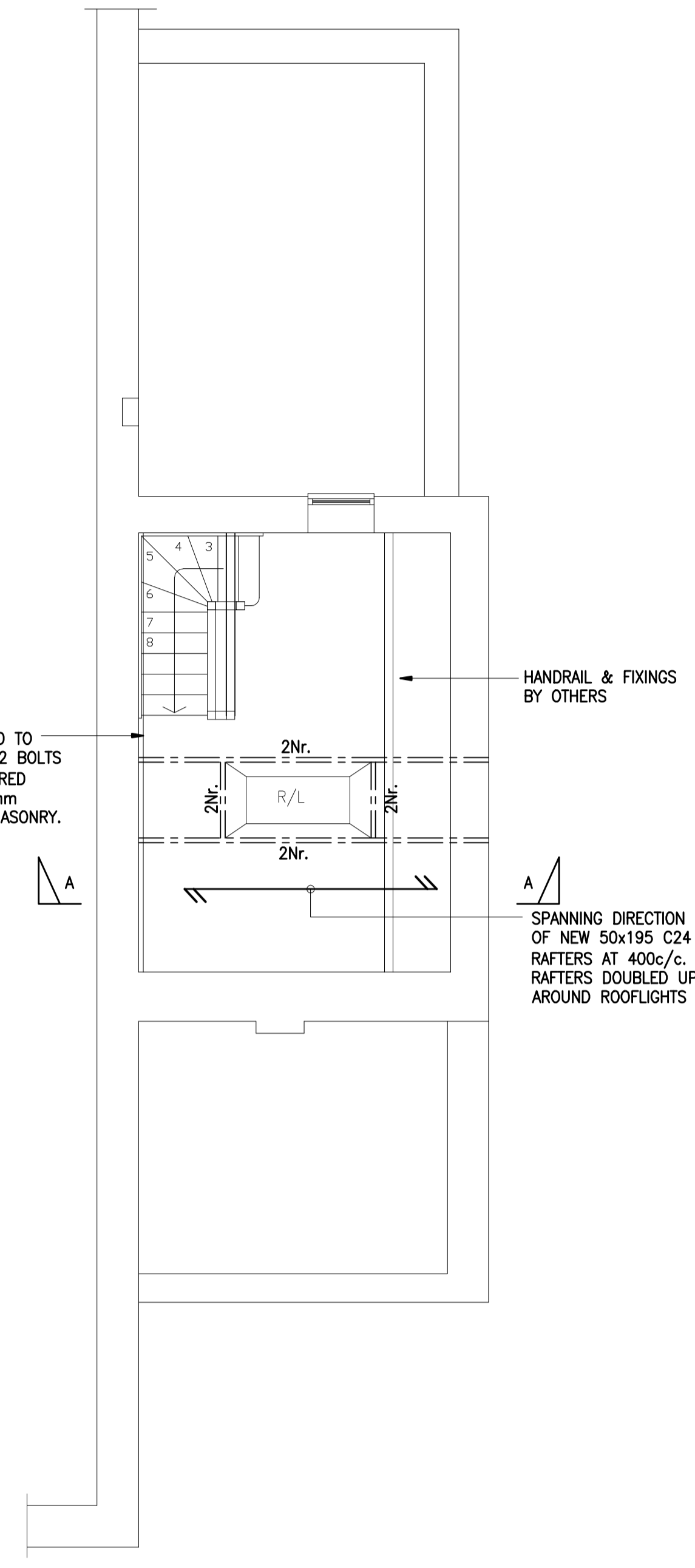
GROUND & FIRST FLOOR PLANS & DETAILS

| | |
|---------------------------|-----------|
| ORIGINAL SCALE. | |
| AS SHOWN | |
| CLIENT : MR. K. ARMSTRONG | |
| DATE | SEPT 2020 |
| DRAWING No. | |
| M2388-02 | |

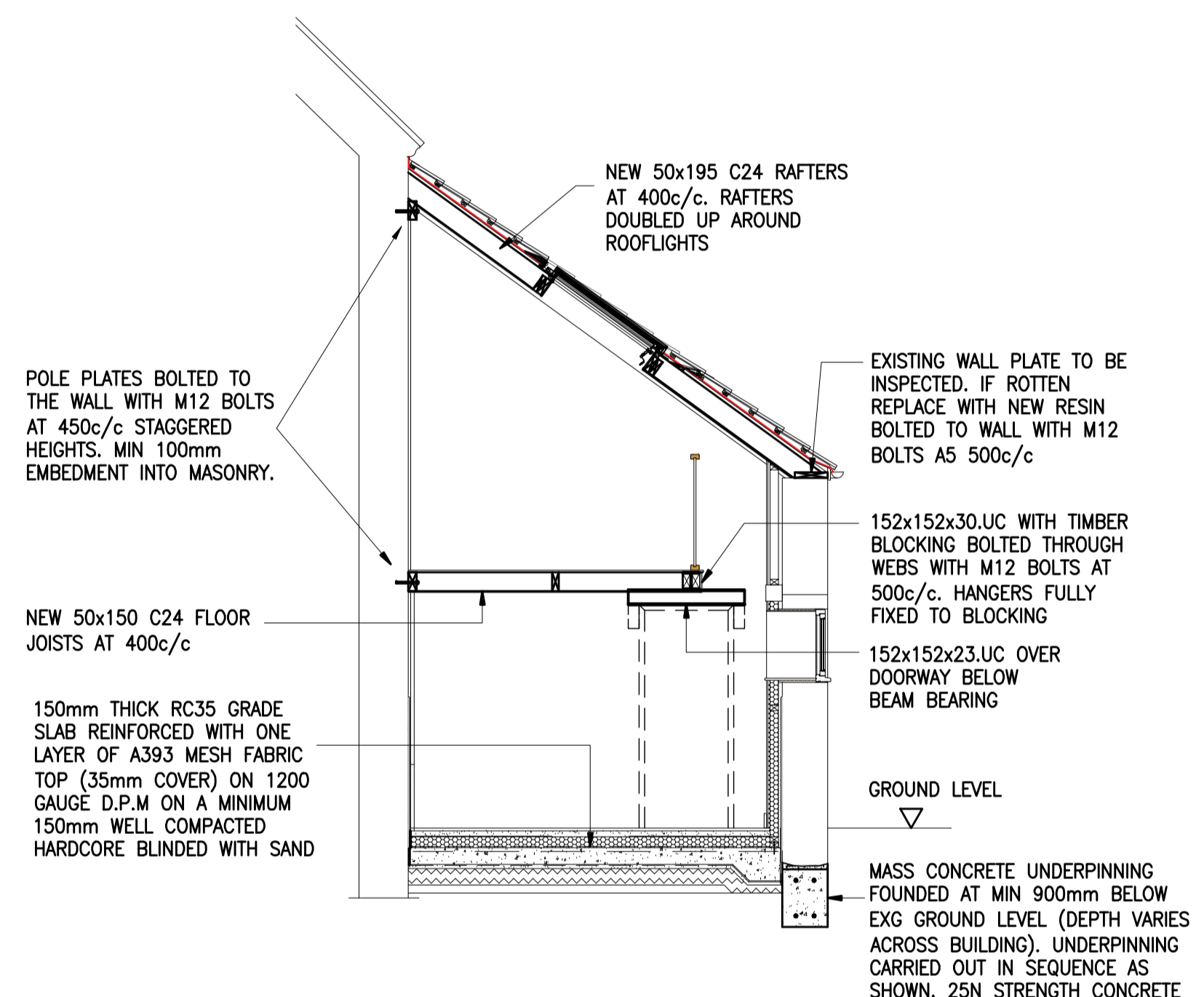
DRAWN BY: CF
 CHECKED:
 APPROVED:
 Brian Jones (STRUCTURAL ENGINEERS) Ltd.
 CHARTERED CIVIL ENGINEER
 Brunswick House, Woolavington Hill,
 Woolavington, Bridgewater,
 Somerset TA7 8DH
 Tel: 01278 886934 Mob: 07889 401114



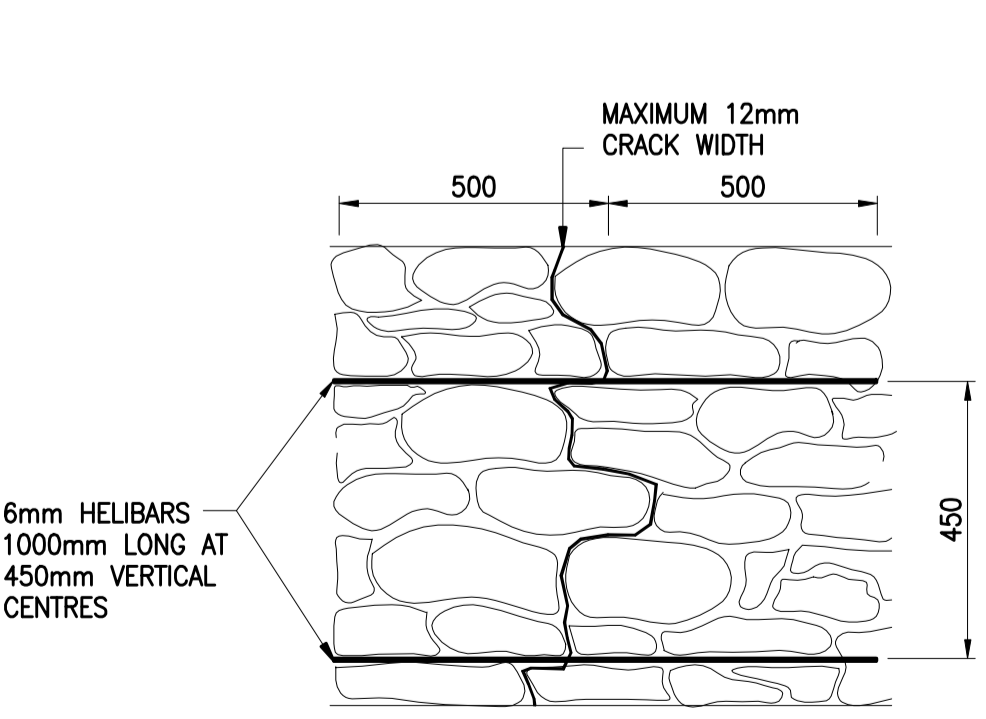
PROPOSED GROUND FLOOR PLAN
 STRUCTURAL ELEMENTS OVER
 1:50



PROPOSED FIRST FLOOR PLAN
 STRUCTURAL ELEMENTS OVER
 1:50

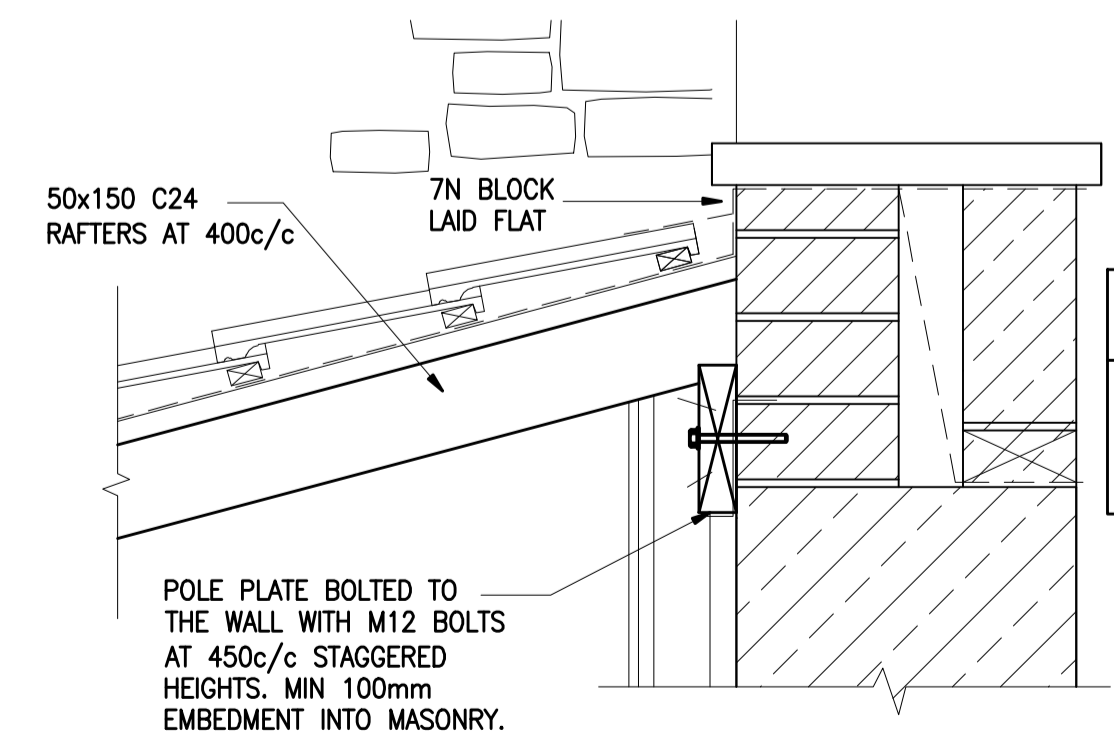


SECTION A-A
 1:50

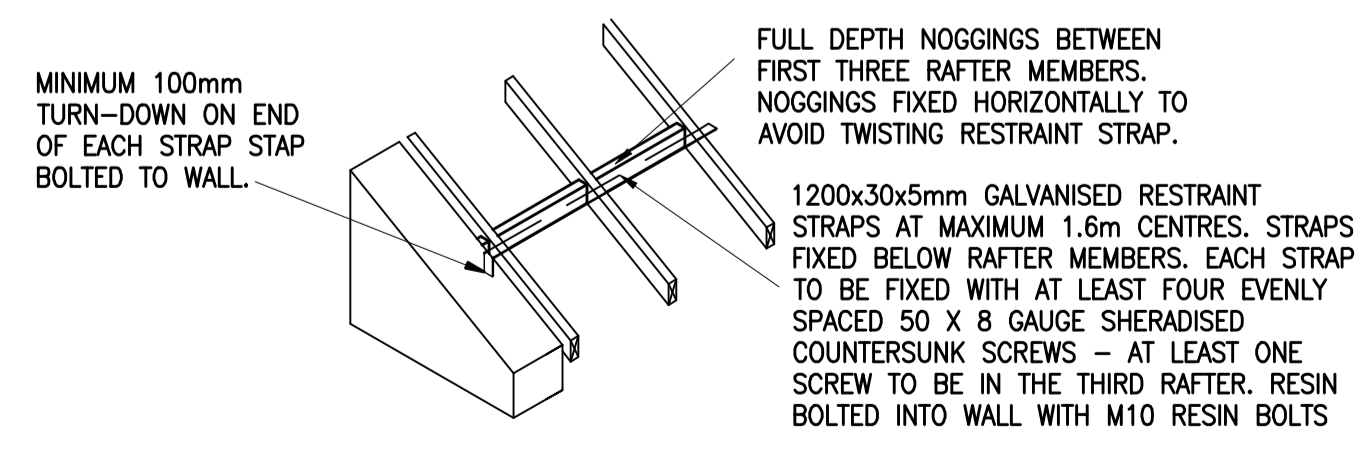


STONE WALL CRACK STITCHING WITH HELIBARS DETAIL 02/01
 NTS

HELIFIX SPECIFICATION NOTES
 The following criteria are to be used unless specified otherwise:
 A. Depth of slot into the masonry to be 35mm to 40mm.
 B. Height of slot to be equal to full mortar joint height, with a minimum of 8mm. For thin mortar joint specifications refer to the Helifix Technical Dept.
 C. HeliBar to be long enough to extend a minimum of 500mm either side of the crack or 500mm beyond the outer cracks if two or more adjacent cracks are being stitched using one rod.
 D. Normal vertical spacing is 450mm.
 E. Where a crack is less than 300mm from the end of a wall or an opening the HeliBar is to be continued for at least 100mm around the corner and bonded into the adjoining wall.
 F. In hot conditions ensure the masonry is well wetted or primed to prevent premature drying of the HeliBond due to rapid de-watering. Ideally additional wetting of the slot, or priming with HeliPrimer WB, should be carried out just prior to injecting the HeliBond grout.
 G. Do not use HeliBond when the air temperature is +4°C and falling or apply over ice. In all instances the slot must be thoroughly damp or primed prior to injection of the HeliBond grout.
 The above specification notes are for general guidance only and Helifix reserves the right to amend details/notes as necessary.
 FOR METHOD STATEMENT REFER TO DETAILS BY 'HELIFIX'



STONE WALL CRACK STITCHING WITH HELIBARS DETAIL 02/02
 NTS



TYPICAL GABLE RESRAINT DETAIL 02/03
 RESTRAINT STRAPS TO BE PROVIDED AT FLOOR LEVEL SIMILAR