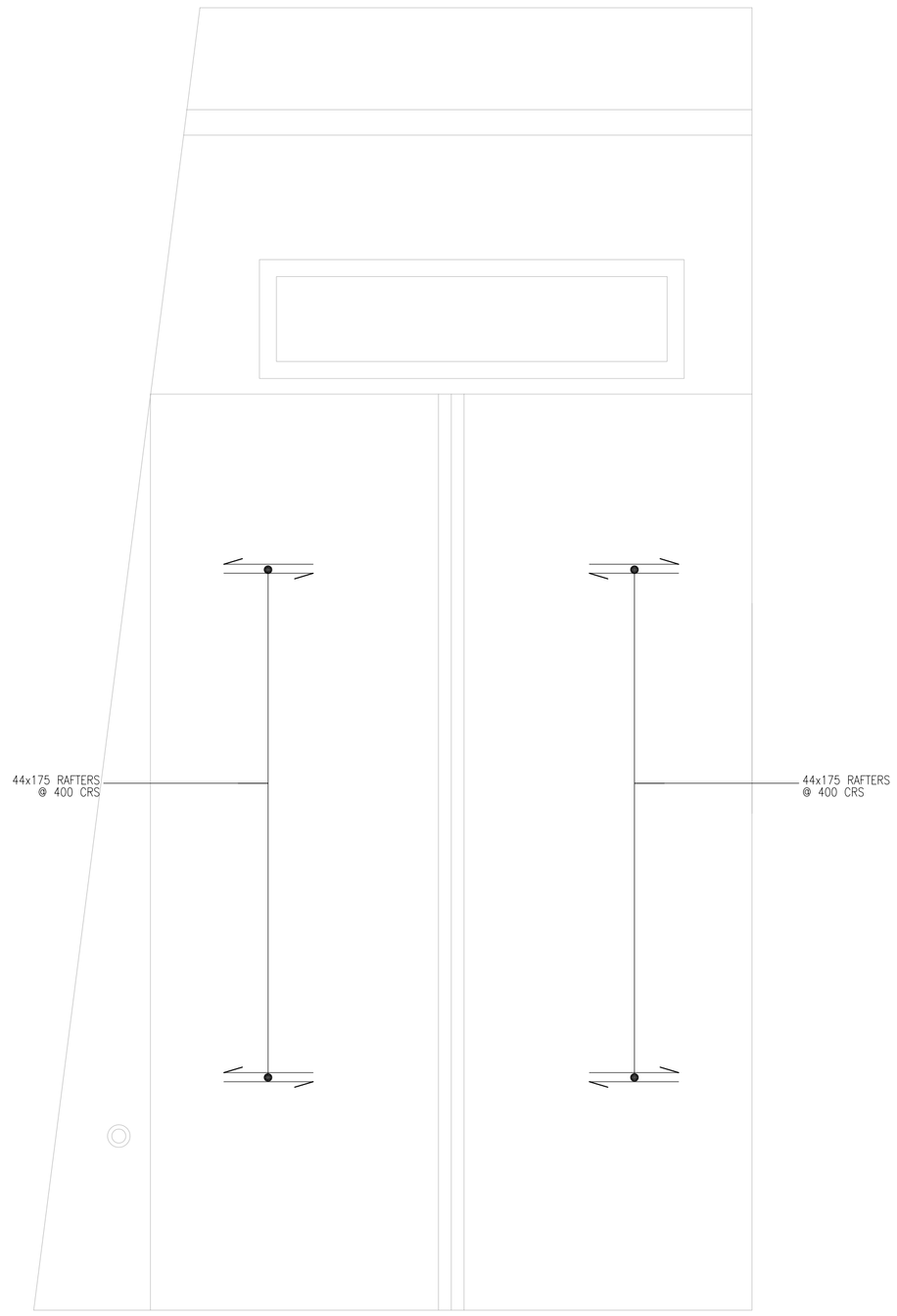

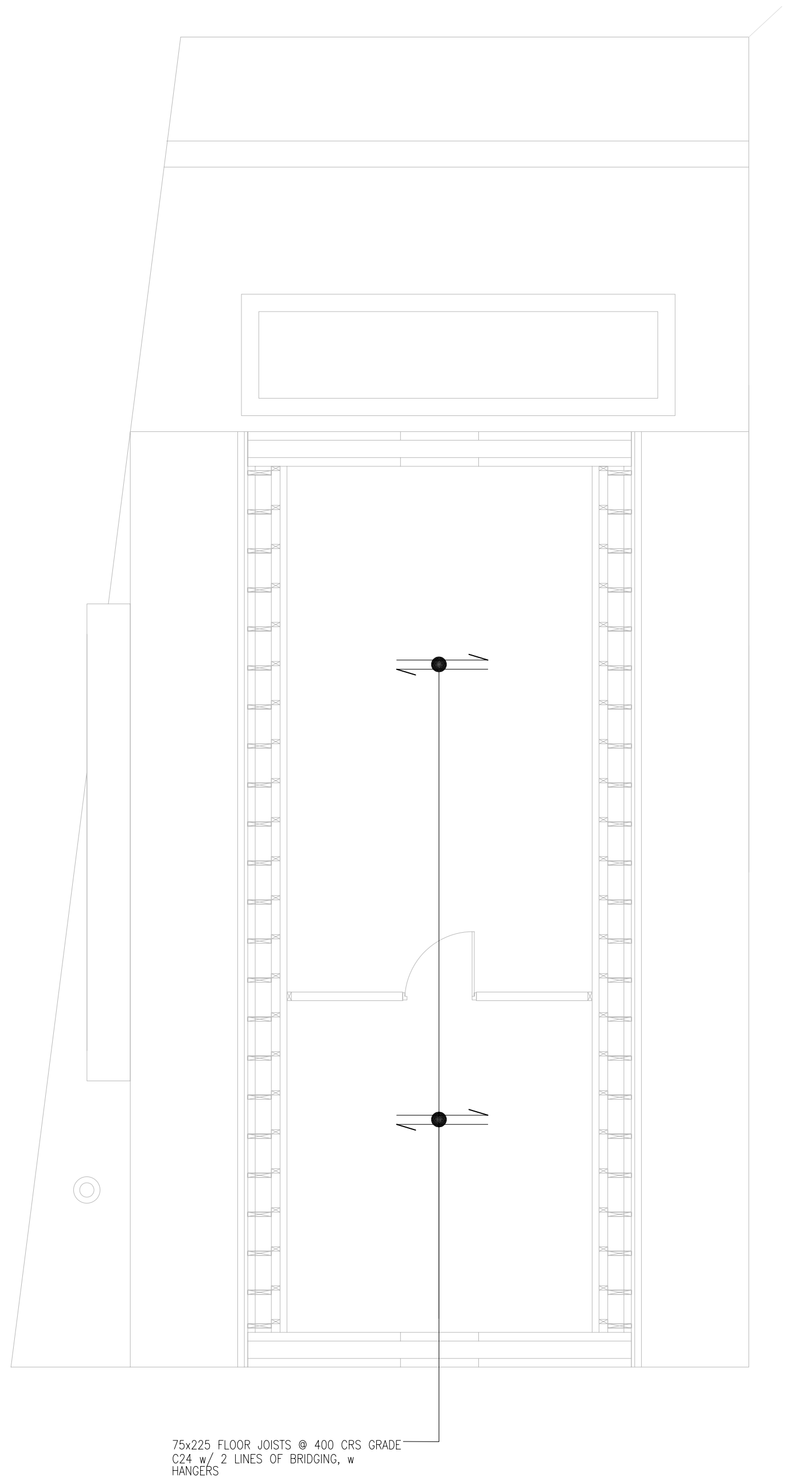

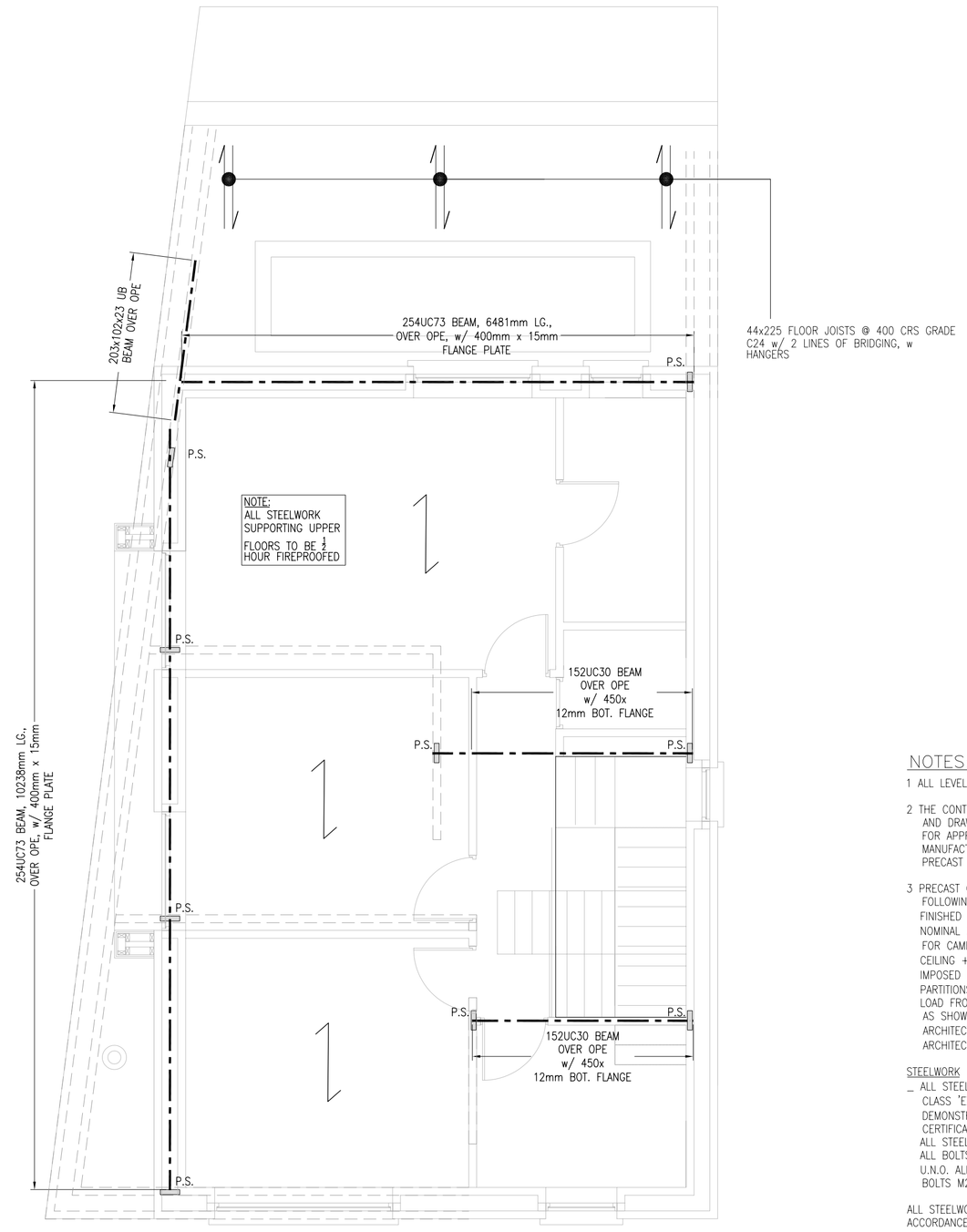

NOTES:

1 ALL LEVELS TO O.S. DATUM

2 THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND DRAWINGS FOR THE PRECAST UNITS TO THIS OFFICE FOR APPROVAL PRIOR TO COMMENCEMENT OF MANUFACTURE. METHOD STATEMENT FOR ERECTION OF PRECAST TO BE SUBMITTED ALSO.

3 PRECAST CONCRETE UNITS SHALL BE DESIGNED FOR THE FOLLOWING SUPERIMPOSED LOADS :
FINISHED : 0.15kN/m2
NOMINAL 75mm SCREED (10mm DEVIATION ALLOWANCE FOR CAMBER)
CEILING + SERVICES : 0.15kN/m2
IMPOSED LOAD (DOMESTIC) : 1.5kN/m2
PARTITIONS : 1.0kN/m2
LOAD FROM BLOCKWORK WALLS OR LOAD-BEARING WALLS AS SHOWN ON DRAWING. FLOOR FINISHES TO ARCHITECT'S SPECIFICATION. FIRE PROOFING TO ARCHITECT'S SPECIFICATION.

STEELWORK
_ ALL STEELWORK TO 'CE' MARKED; ALL STEEL EXECUTION CLASS 'EXC1'. CONTRACTOR / FABRICATOR TO DEMONSTRATE COMPLIANCE WITH 'CE' MARK CERTIFICATION.
ALL STEELWORK TO BE GRADE S275.
ALL BOLTS TO BE GRADE 8.8 U.N.O.
U.N.O. ALL STEEL/STEEL CONNECTIONS BE MIN 2NO. BOLTS M20 OR 6MM FILLET WELD.

ALL STEELWORK IS TO BE CORROSION PROTECTED IN ACCORDANCE WITH THE FOLLOWING:
HIDDEN INTERIOR STEELWORK; BLAST CLEAN TO SA2½, APPLY 80µM HIGH BUILD ZINC PHOSPHATE EPOXY PRIMER.
EXTERIOR STEELWORK ENVIRONMENT CATEGORY 'C5' OR STEELWORK IN CONTACT WITH MASONRY OUTER SKIN: HOT-DIP GALVANIZE 85 MICRON, MORDANT WASH, 40 MICRON EPOXY PRIMER, 100 MICRON 'MIO', FINISH COAT TO ARCHITECT'S DETAIL.

ALL INTERNAL STEELWORK AT GROUND FLOOR & UPPER FLOORS TO BE FIREPROOFED BY APPROVED INTUMSECENT COATING TO PROVIDE 1 HOURS FIRE RESISTANCE.

THE CONTRACTOR SHALL SUBMIT DRAWINGS FOR STEELWORK LAYOUT AND DETAILS TO THIS OFFICE FOR APPROVAL PRIOR TO COMMENCEMENT OF MANUFACTURE.

ARCHITECT, CONTRACTOR, STEELWORK FABRICATOR AND PRECAST MANUFACTURER TO COORDINATE DETAILING AND INSTALLATION OF SERVICE OPENINGS.

ACRONYMS
F.F.L = FINISHED FLOOR LEVEL
T.O.C = TOP OF CONCRETE
T.O.S = TOP OF STEEL
U.O.S = UNDERSIDE OF STEEL
U.N.O.= UNLESS NOTED OTHERWISE
S.R.L = STRUCTURAL ROOF LEVEL

TIMBER
SEE NOTES ON DRAWING 003.

WALL CLADDING
_

LEGEND

EXISTING MASONRY WALL	
PROPOSED MASONRY WALL, 7.8N/mm²	
LAOAD-BEARING TIMBER STUD, 44x100 @ 400 ⅊	
CONCRETE PADSTONE, TYP. 450mm LG. x 225 DP. x 215mm WD. U.N.O.	P.S.
HOLDING-DOWN/ RESTRAINT STRAPS 2.5mm x 30mm x 1M LG. @ 2M CRS.	H.D.
SPAN OF NEW TIMBER SECTIONS	
SPAN OF EXISTING TIMBER SECTIONS	

Rev	Description	Date	Drwn	Chkd
T	TENDER ISSUE	21/06/16	AR	AR

A. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS, ARCHITECTS AND SPECIALISTS DRAWINGS.
B. ALL DIMENSIONS IN mm UNLESS NOTED.
C. DO NOT SCALE DIMENSIONS.
D. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED TO THIS OFFICE IN WRITING.

NOTES:
1 ALL LEVELS TO O.S. DATUM
2 FOUNDATIONS TO BE CAST AGAINST GROUND U.N.O. OR PRIOR AGREMENT.
3 CONCRETE GRADES SHALL BE AS FOLLOWS:
BLINDING : C12/15 ALL IN AGGREGATE
FOUNDATIONS C35/45, 20mm NOMINAL AGGREGATE, CEMENT CEM IIIA WITH 50% G.G.B.S., ALL TO ISEN 206.
4 ALL REINFORCEMENT BARS SHALL BE IN ACCORDANCE WITH BS4449 OR BS4461 WITH A YIELD STRENGTH OF 500N/mm2 OR 250N/mm2 FOR BARS DENOTED H OR R RESPECTIVELY. ALL WIRE MESH SHALL BE IN ACCORDANCE WITH BS4483. WITH MINIMUM YIELD STRENGTH OF 500N/mm2.
COVER TO REINFORCEMENT:
CAST AGAINST GROUND 50mm
CAST AGAINST SHUTTER 35mm
CAST AGAINST BLINDING 40mm
5 WALLS TO BE CONCRETE BLOCKWORK TO IS325 OR EC6. COMPRESSIVE STRENGTH TO BE 5N/mm² TO IS20 OR EQUIVALENT MINIMUM 7.5N/mm² TO I.S. EN 771-3:2003. USE DESIGNATION MORTAR MIX(ii).
6 DO NOT EXCEED LIFTS OF 1.5M PER DAY. PROTECT MASONRY FROM FROST, RAIN AND WIND. ALLOW 14 DAYS FOR MORTAR TO SET BEFORE BACKFILLING.
7 ALL PRECAST CONCRETE COMPOSITE LINTELS TO HAVE MIN. 150MM BEARING U.N.O.
8 MOVEMENT JOINTS TO BE PROVIDED IN OUTERLEAF OF EXTERNAL MASONRY WALL AS INDICATED ON ARCHITECT'S ELEVATIONS. FOR CONCRETE BLOCKWORK JOINTS SHALL SPACED AT MAXIMUM 7M CENTRES, LOCATIONS TO BE AGREED.
9 SLAB SUB-BASE TO BE MIN 225MM BLINDED COMPACTED HARDCORE U.N.O.

ANDREW RILEY
CONSULTING ENGINEER
Tel: +353 87 6393531
Email: andrew.riley@yahoo.com

NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION OF ANDREW RILEY CONSULTING ENGINEERS AS COPYRIGHT HOLDER EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DRAWING WAS ORIGINALLY ISSUED.

Client
KEN & ANN-MARIE McCULLAGH

Job
CLONLEA LODGE
BALLINTEER ROAD
CO. DUBLIN

Drawing
PROPOSED 1ST PLAN
PROPOSED ATTIC PLAN
PROPOSED ROOF PLAN

Job Number	Drawing Number	Revision	Sht. Size	Scale	Date	Drawn	Engineer
15020	002	T	A1	AS NOTED	JUNE '16	AR	AR