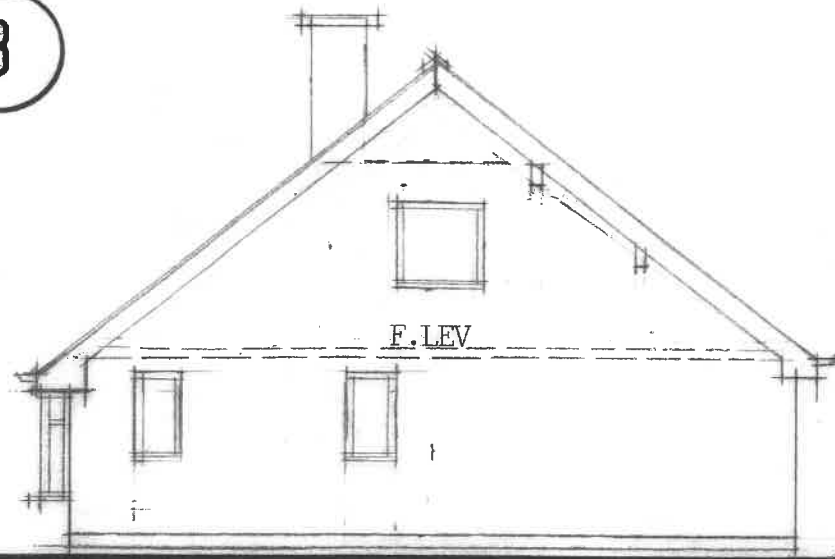
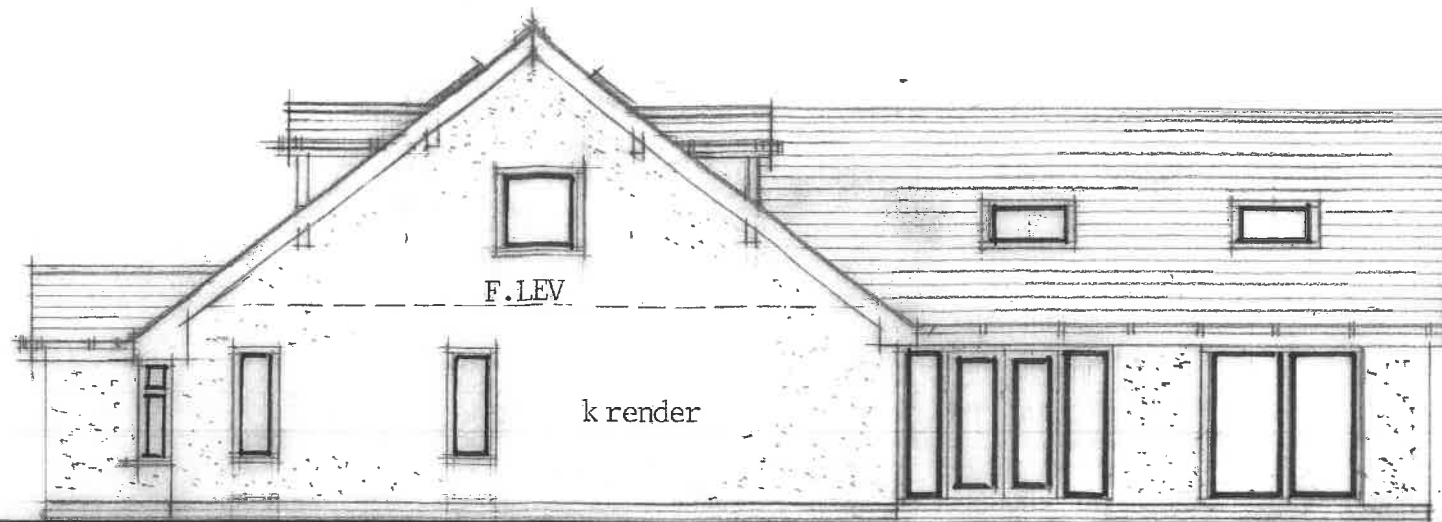


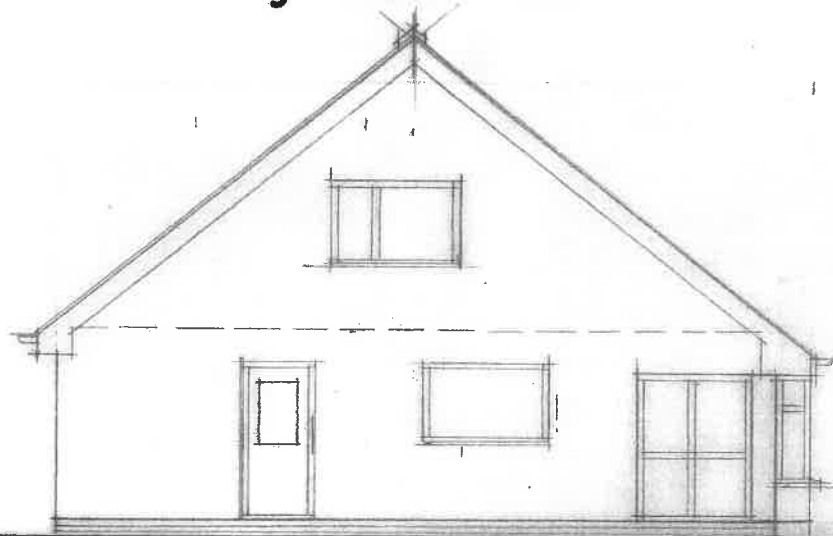
3



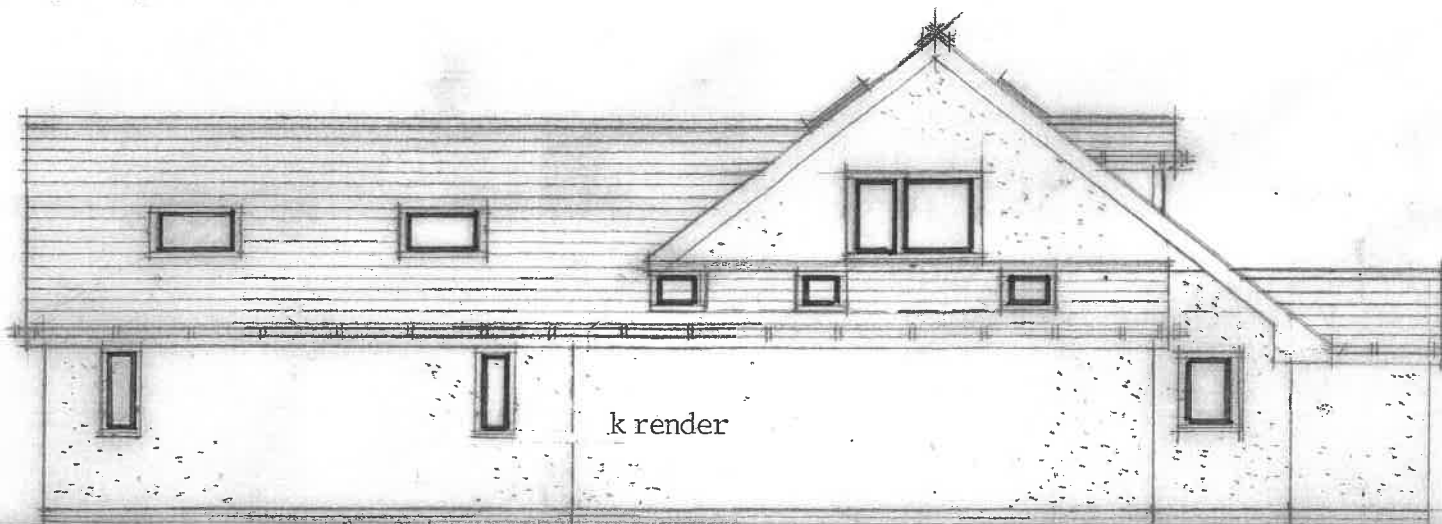
existing south side



proposed south side



existing north side



proposed north side

1...100

AT A3

0 5 10m

DWGS. REF: 16.06.22

ALL DIMENSIONS AND LEVELS TO BE VERIFIED ON SITE BEFORE WORKS COMMENCE AND ANY DISCREPANCIES REPORTED TO THE DESIGN PRACTICE. ALL WORKS TO BE CARRIED OUT TO BUILDING REGULATIONS 15 JUNE 2022 BRITISH AND EU STANDARDS AND CPS

GENERAL SPECIFICATION:

PITCHED ROOFS: $u = 0.16\text{wm}2\text{K}$
 matching slating at C.37[^] pitch
 on 25x50 tanalised battens on tyvec vent
 sarking on 220x50 C16 rafters
 at 600ctrs with 165mm FR4165 celotex
 slab insulation between rafters
 min 50mm vent gap above any insulation
 12.7mr gyproc 10 and skim to all soffits
 cross ventilation to roof void areas
 maintained with fascia and ridge vents
 system to = 10mm continuous venting
EXTERNAL WALLS: $u = 0.18\text{wm}2\text{K}$
 100mm k rendered blockwork
 100mm cavity with CT100 PIR cavitytherm
 100mm light block inner leaf plastered
 stainless steel double drip twist ties at
 600 horizontal and 450 vertical centres
 TDI type insulated dpcs to reveals
 IG lintels to suit load and span for openings
 new matching all and upvc doors + windows
 28mm double glazed argon units to $u = 1.10$
 doors, adjacent windows and glazing less
 than 800mm from floor level in toughened
 glass to BS:6200 - 6206

INTERNAL WALLS + PARTITIONS:

100mm dense concrete block - plastered
 partitions from 75x50 stud framing with 100
 rockwool fill and 12.7mm gyproc 10 + skim

SUSPENDED FLOORS:

any existing suspended timber floors to be
 checked for through ventilation
 new solid floors to have 100mm dia. vent
 ducts at 1.5mtr ctrs to external vents
SOLID GROUND FLOORS: $u = 0.22\text{wm}2\text{K}$
 125mm GEN2 concrete on 1200g dpm over
 and below 85mm kingspanTF85 (25mm
 perimeter trim) on sand blinded machine
 compacted crusher in 150mm layers

FOUNDATIONS:

650mm wide x trench fill GEN1 concrete
 strip minimum 800mm below ground level
 or design foundations if required

DRAINAGE:

matching s/water and foul drains to existing
 adjacent systems - drainage investigated
 and layout agreed with Building Inspector

VENTILATION:

10Kmm sq.trickle head vents to windows
 opening sashes minimum 1/20th relevant
 room floor area
 MV15/30/60 = mech:extract in litres/sec.

RESTRAINT:

32 x 5ms cranked wallplate holddown and
 roof/wall/floor restraint straps at 1.5m ctrs

FIRE PROTECTION:

provide interlinked wireless smoke detectors
 to ground floor hall and within three mtrs of
 bedrooms - hardwired battery backup type
 ES = escape sash 450mm x 750mm min.
 cill to be 800 - 1100mm from floor level

ELECTRICAL WORKS:

carried out to BS:7671.2018(18th.ed) and be
 installed and tested by a competent person
 (qualified to min. City & Guilds 2391/2012)
 test certificate required to Local Authority

PROPOSED REAR AND SIDE EXTENSIONS

Shane & Emma
15 Hacking Drive
LONGRIDGE

mike palmer design 01772 743700