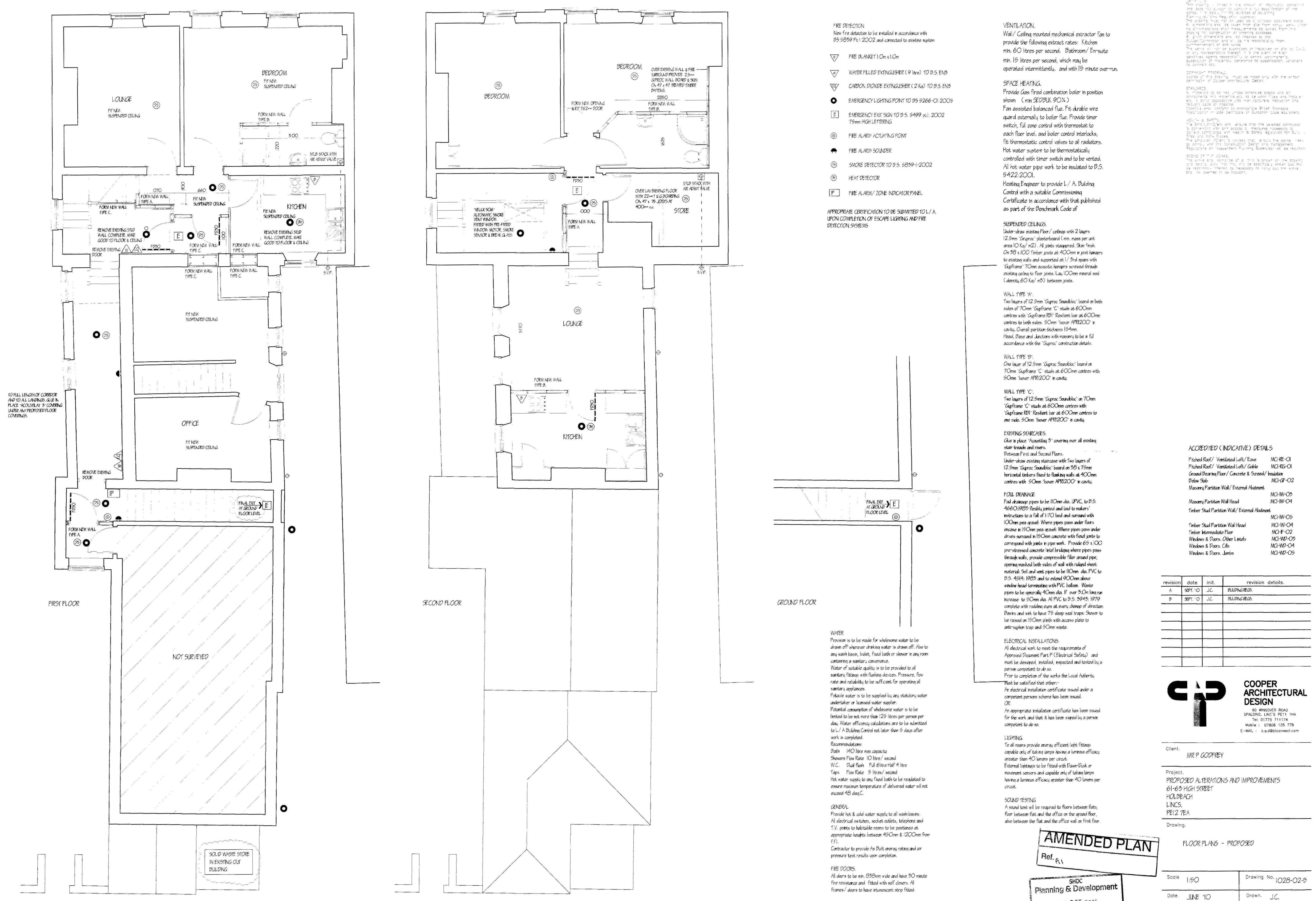




- FIRE DETECTION**  
New fire detection to be installed in accordance with BS 5839 Pt 1 2002 and connected to existing system
- ▽ FIRE BLANKET 1.0m x 1.0m
  - ▽ WATER FILLED EXTINGUISHER (9 litre) TO B.S. EN5
  - ▽ CARBON DIOXIDE EXTINGUISHER (2 kg) TO B.S. EN5
  - EMERGENCY LIGHTING POINT TO BS 5266-1:2009
  - EMERGENCY EXIT SIGN TO B.S. 5499 pt. 1:2002 75mm HIGH LETTERING
  - ⊙ FIRE ALARM ACTUATING POINT
  - ⊙ FIRE ALARM SOUNDER
  - ⊙ SMOKE DETECTOR TO B.S. 5839-1:2002
  - ⊙ HEAT DETECTOR
  - FIRE ALARM ZONE INDICATOR PANEL

APPROPRIATE CERTIFICATION TO BE SUBMITTED TO L/A UPON COMPLETION OF ESCAPE LIGHTING AND FIRE DETECTION SYSTEMS

**VENTILATION**  
Wall/ Ceiling mounted mechanical extractor fan to provide the following extract rates: Kitchen min. 60 litres per second. Bathroom/ En-suite min. 15 litres per second, which may be operated intermittently, and with 15 minute over-run.

**SPACE HEATING**  
Provide Gas fired combination boiler in position shown (min SEDBUK 90%)  
Fan assisted balanced flue. Fit durable wire guard externally to boiler flue. Provide timer switch, full zone control with thermostat to each floor level, and boiler control interlocks. Fit thermostatic control valves to all radiators. Hot water system to be thermostatically controlled with timer switch and to be vented. All hot water pipe work to be insulated to B.S. 5422:2001.  
Heating Engineer to provide L/A Building Control with a suitable Commissioning Certificate in accordance with that published as part of the Benchmark Code of

**SUSPENDED CEILING**  
Under-draw existing floor/ ceilings with 2 layers 12.5mm 'Gyproc' plasterboard (min. mass per unit area 10 Kg/m<sup>2</sup>). All joints staggered. Skin finish. On 38 x 100 Timber joists at 400mm in joints with existing walls and supported at 1/2 and 3/4 spans with 'Gyproc' 70mm acoustic hangers screwed through existing ceiling to floor joists. Lay 100mm mineral wool (density 60 Kg/m<sup>3</sup>) between joists.

**WALL TYPE 'A'**  
Two layers of 12.5mm 'Gyproc Soundbloc' board on both sides of 70mm 'Gyproc' studs at 600mm centres with 'Gyproc' 125mm plaster on both sides. 50mm 'Gyproc' board on one side. Overall partition thickness 154mm. Head, Base and Junctions with masonry to be in full accordance with the 'Gyproc' construction details.

**WALL TYPE 'B'**  
One layer of 12.5mm 'Gyproc Soundbloc' board on 70mm 'Gyproc' studs at 600mm centres with 50mm 'Gyproc' board on one side. Overall partition thickness 154mm.

**WALL TYPE 'C'**  
Two layers of 12.5mm 'Gyproc Soundbloc' on 70mm 'Gyproc' studs at 600mm centres with 'Gyproc' 125mm plaster on both sides. 50mm 'Gyproc' board on one side. Overall partition thickness 154mm.

**EXISTING STAIRCASES**  
Glue in place 'Acoustalut 5' covering over all existing stair treads and risers.  
Between First and Second Floors.  
Under-draw existing staircase with two layers of 12.5mm 'Gyproc Soundbloc' board on 38 x 75mm horizontal timbers fixed to flanking walls at 400mm centres with 50mm 'Gyproc' board on one side. Overall partition thickness 154mm.

**FULL DRAINAGE**  
Full drainage pipes to be 110mm dia. UPVC, to B.S. 4660/1989. Flexible joints and laid to makers' instructions to a fall of 1:70 bed and surround with 100mm pea gravel. Where pipes pass under floors encase in 150mm pea gravel. Where pipes pass under drives surround in 150mm concrete with fixed joints to correspond with joints in pipe work. Provide 65 x 100 pre-stressed concrete lintel bricking where pipes pass through walls. Provide compressible filler around pipe, opening masked both sides of wall with naked steel material. Soil and vent pipes to be 110mm dia. UPVC to B.S. 4514/1989 and to extend 900mm above window head terminate with PVC ballom. Waste pipes to be generally 40mm dia. If over 50mm long an increase to 50mm dia. All PVC to B.S. 5945, 1979 complete with rodding eyes at every change of direction. Pans and sink to have 75 deep steel traps. Shower to be raised on 150mm slab with access plate to anti-siphon trap and 50mm waste.

**ELECTRICAL INSTALLATIONS**  
All electrical work to meet the requirements of Approved Document Part P (Electrical Safety) and must be designed, installed, inspected and tested by a person competent to do so.  
Prior to completion of the works the Local Authority must be satisfied that either:  
An electrical installation certificate issued under a competent persons scheme has been issued.  
OR  
An appropriate installation certificate has been issued for the work and that it has been signed by a person competent to do so.

**LIGHTING**  
To all rooms provide energy efficient light fittings capable only of taking lamps having a luminous efficacy greater than 40 lumens per circuit.  
External luminaires to be fitted with 'Dawn-Dusk' or movement sensors and capable only of taking lamps having a luminous efficacy greater than 40 lumens per circuit.

**SOUND TESTING**  
A sound test will be required to floors between flats, floor between flat and the office on the ground floor, also between the flat and the office wall on first floor.

**WATER**  
Provision is to be made for wholesome water to be drawn off wherever drinking water is drawn off. Also to any wash basin, toilet, fixed bath or shower in any room containing a sanitary convenience.  
Water of suitable quality is to be provided to all sanitary fittings with flushing devices. Pressure, flow rate and reliability to be sufficient for operating all sanitary appliances.  
Potable water is to be supplied by any statutory water undertaker or licensed water supplier.  
Potential consumption of wholesome water is to be limited to be not more than 125 litres per person per day. Water efficiency calculations are to be submitted to L/A Building Control not later than 5 days after work is completed.  
Recommendations:  
Bath 140 litre max capacity  
Showers Flow Rate 10 litres/ second  
W.C. Dual Flush Full 6 litre Half 4 litre  
Taps Flow Rate 5 litres/ second  
Hot water supply to any fixed bath to be regulated to ensure maximum temperature of delivered water will not exceed 45 deg.C.

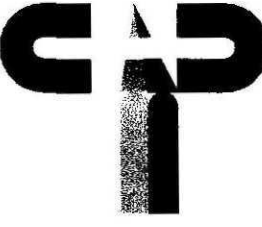
**GENERAL**  
Provide hot & cold water supply to all wash basins.  
All electrical switches, sockets outlets, telephone and T.V. points to habitable rooms to be positioned at appropriate heights between 450mm & 1200mm from F.F.I.  
Contractor to provide the Building energy rating and air pressure test results upon completion.

**FIRE DOORS**  
All doors to be min. 350mm wide and have 50 minute fire resistance and fitted with self closers. All frames/ doors to have intumescent strip fitted.

**ACCREDITED (INDICATIVE) DETAILS**

|                                                   |           |
|---------------------------------------------------|-----------|
| Pitched Roof/ Ventilated Loft/ Eave               | MCI-RE-01 |
| Pitched Roof/ Ventilated Loft/ Cable              | MCI-RE-01 |
| Ground Floor Floor/ Concrete & Screed/ Insulation | MCI-DF-02 |
| Below Stair                                       | MCI-DF-02 |
| Masonry Partition Wall/ External Abutment         | MCI-W-05  |
| Masonry Partition Wall Head                       | MCI-W-04  |
| Timber Stud Partition Wall/ External Abutment     | MCI-W-05  |
| Timber Stud Partition Wall Head                   | MCI-W-04  |
| Timber Intermediate Floor                         | MCI-F-02  |
| Windows & Doors, Other Details                    | MCI-WD-03 |
| Windows & Doors, Cills                            | MCI-WD-04 |
| Windows & Doors, Jambes                           | MCI-WD-05 |

| revision | date    | init. | revision details. |
|----------|---------|-------|-------------------|
| A        | SEPT-10 | J.C.  | BUILDING REG.     |
| B        | SEPT-10 | J.C.  | BUILDING REG.     |
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|          |         |       |                   |



COOPER  
ARCHITECTURAL  
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Client: MR P GODFREY

Project:  
PROPOSED ALTERATIONS AND IMPROVEMENTS  
61-63 HIGH STREET  
HOLBEACH  
Lincs.  
PE12 7EA

Drawing:

FLOOR PLANS - PROPOSED

|       |         |             |           |
|-------|---------|-------------|-----------|
| Scale | 1:50    | Drawing No. | 1028-02-B |
| Date: | JUNE 10 | Drawn:      | J.C.      |

AMENDED PLAN

Ref: A1

SHDC  
Planning & Development  
12 OCT 2010  
Ref: 0697-10