

CROSS SECTION

All work to comply with
 Technical Guidance
 Document B – Fire
 Building Regulations 1991.

Floor Joists:
 44mm x 175mm SCA floor joists at 400mm centres with
 1 no row of bridging at centre span. Double row under stud
 partitions in same direction.
 75mm x 175mm SCA runners to firebrast and open
 joists at all party walls to be hung on metal shoes. Galvanised
 metal straps 5mm x 30mm over 3 joists at 2000mm centres
 pack and hog off walls.

Floor:
 150mm thick power floated concrete slab on 50mm
 thick polystyrene insulation, 25mm at external edges
 on 1000 gauge Visqueen damp proof membrane on
 sand blinding on 150mm minimum well consolidated
 hard-core filling.

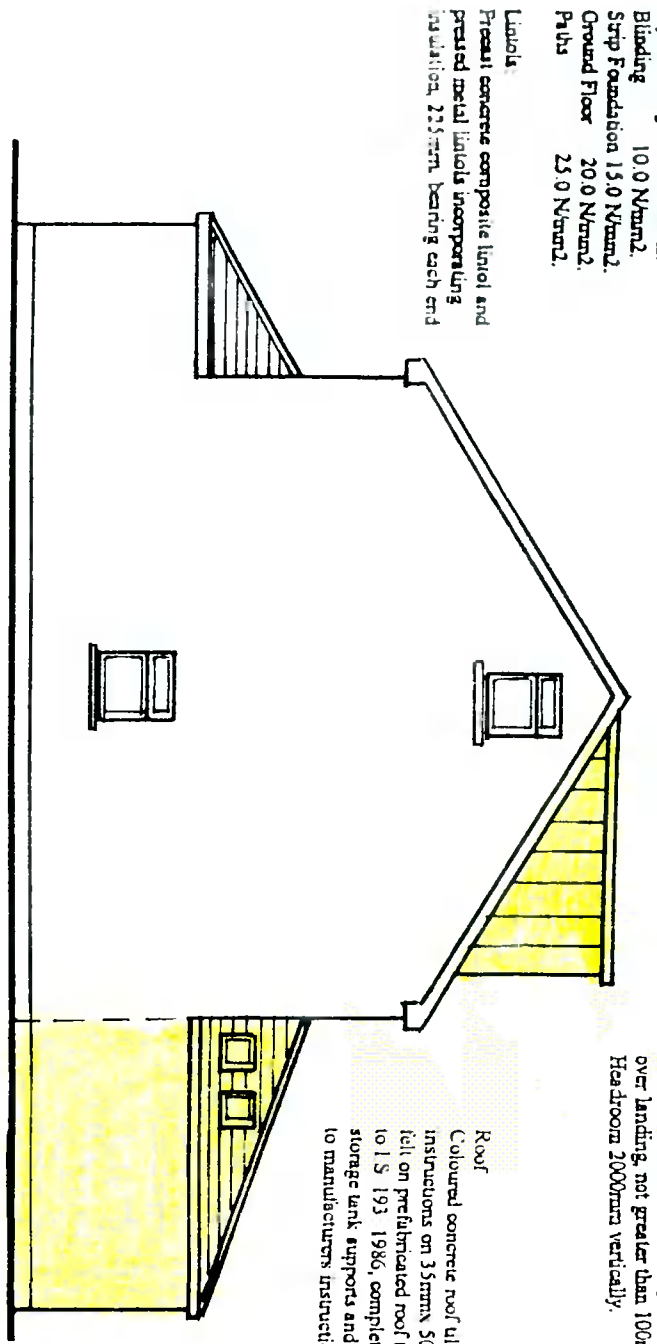
Ventilation:
 Room vents - 6500sq mm.
 Roof - 25mm continuous strip or equal.
 Window opens kitchen 1/10 of floor area,
 other rooms 1/20 of floor area.

Insulation:
 Maximum Elemental U/I Values:
 Exposed Roofs - 0.25 W/m² K.
 Exposed Walls - 0.45 W/m² K.
 Exposed Floors - 0.45 W/m² K.

Concrete Mixes:
 Lean Mix 7.5 N/mm²
 Pipe Bedding 10.0 N/mm²
 Blinding 10.0 N/mm²
 Strip Foundation 15.0 N/mm²
 Ground Floor 20.0 N/mm²
 Paths 25.0 N/mm²

Lintols:
 Precast concrete composite lintol and
 precast metal lintols incorporating
 insulation, 225mm bearing each end

PROPOSED SIDE ELEVATION



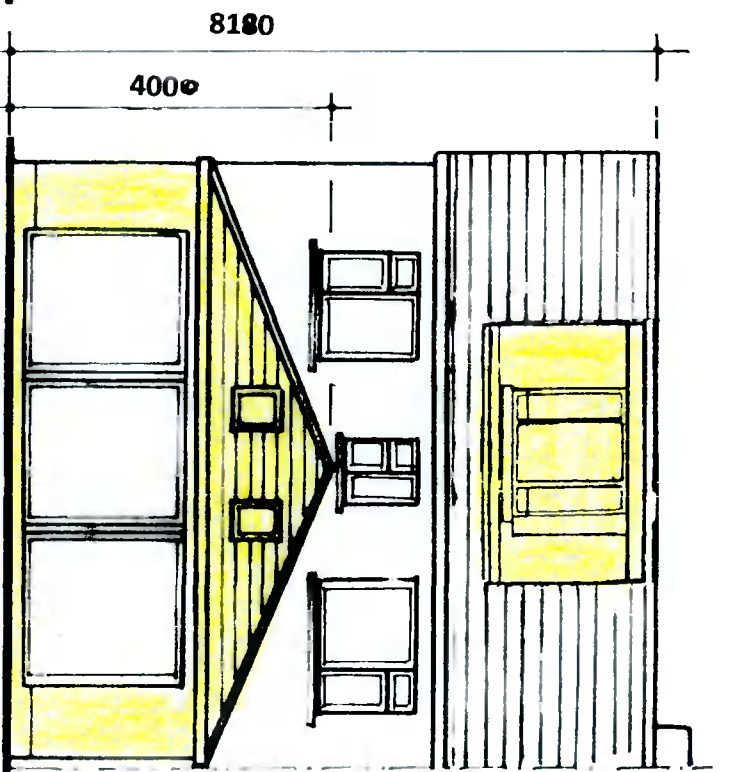
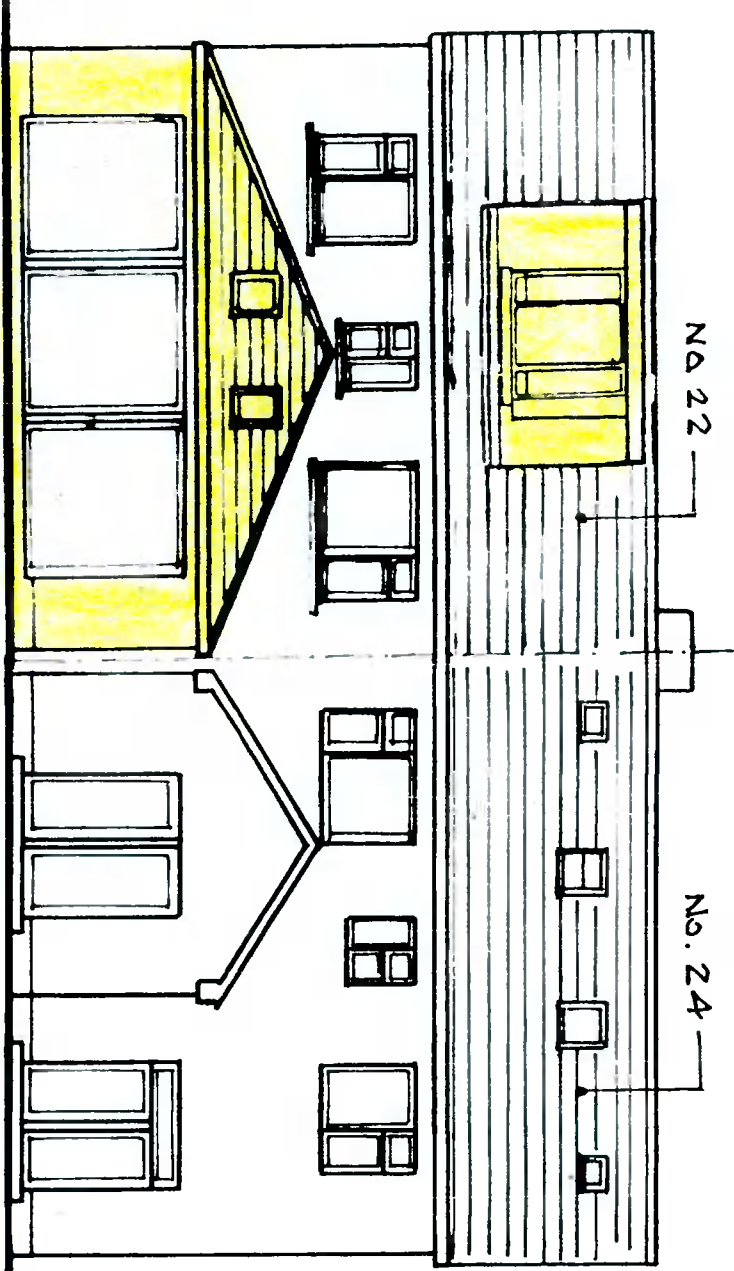
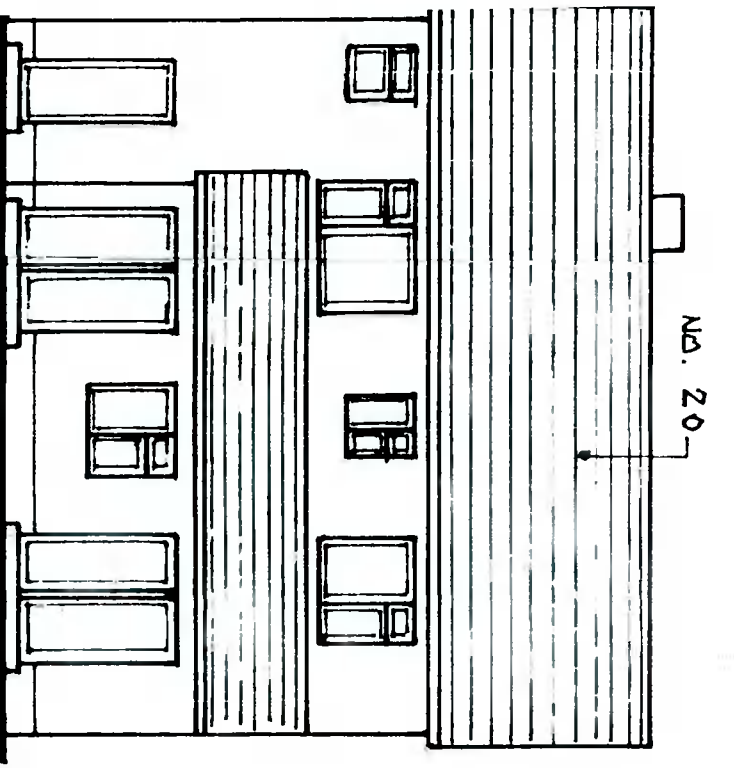
Stairs:
 2R+G to be between 550mm and 700mm, minimum
 clear width 800mm.
 Balusters - 840mm vertically over pitch line and 900mm
 over landing, not greater than 100mm between balusters.
 Headroom 2000mm vertically.

Roof
 Coloured concrete roof tiles laid to manufacturers'
 instructions on 35mm 50mm battens on sarking
 felt on prefabricated roof trusses at 600mm centres,
 to IS 193:1986, complete with bracing. Water
 storage tank supports and holding down clips, all
 to manufacturers' instructions.

DRAINAGE LEGEND

- Fuel Sewer Drain
- - - Surface Water Drain
- Gully Trap
- Gull Trap R.W.P.
- ◊ Armaturing Junction
- Manhole

Note:
 All structural timbers to comply with SCL1, structural
 timber for domestic construction. Timber to be kiln dried
 and supplied at a moisture content not exceeding 22%



CONTIGUOUS ELEVATION

PROPOSED REAR ELEVATION

Drawing Number : 615/PD/05
 Scale : 1 : 100
 Date : 12 December 2021
 Revisions:

PROPOSED SINGLE STOREY EXTENSION TO REAR AND CONVERSION
 OF ATTIC FOR STORAGE AND DORMER WINDOW TO REAR OF 22
 GLENDOWER AVENUE, RATHFARNHAM, DUBLIN 16 FOR GARTH FAIR.

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