WALL CONSTRUCTION

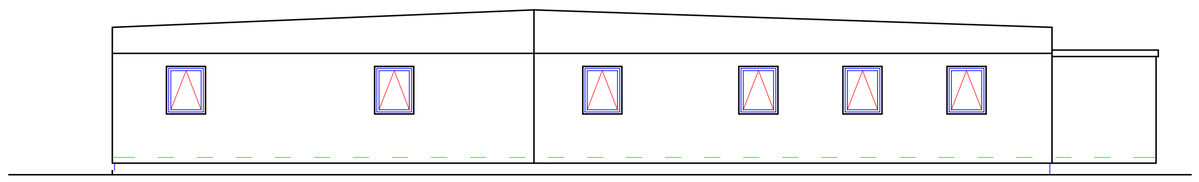
Textured paint finish to hardwood faced exterior grade plywood glued and stapled to 120mm x 35mm softwood timber framing @ 600mm centres with 80mm Kingspan Thermawall TW55 between studs lined internally with vinyl faced 12.5mm megadeco reinforced gypsum plasterboard with vapourcheck foil backing layer
U value of 0.35W/m2K.

FLOOR CONSTRUCTION

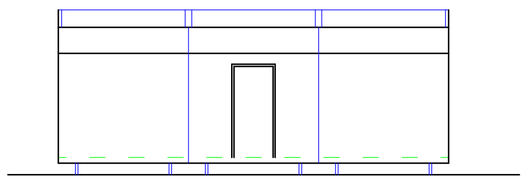
15mm plywood nailed to 120mm x 38mm softwood timber floor joists @ 305mm centres bolted to lattice steel floor skids @ 2200mm centres achieving 5kN/n2 floor loading insulated by means of YBS Foil-Tec double aluminium reflective foil insulation laid over & draped between joists with minimum 50mm air gap in accordance with manufacturers instructions min U value 0.24 W/m2K

ROOF CONSTRUCTION

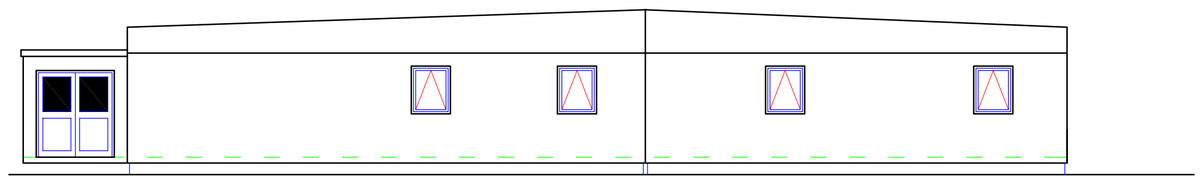
Roof covering of uniroof hypalon single layer system fully bonded to 11mm grade 3 orientated strand board (OSB) roof deck glued and stapled to 120mm x 35mm timber roof joists screwed to dual pitched lattice steel roof beams achieving 0.75K/m2 design load.
Ceiling of 95mm x 35mm joists fixed to bottom member of beam insulated by means of 100mm thick fibreglass quilt laid between joists & 80mm laid in opposite direction over joists supported on foil-tec single (vapour barrier) to be tapped and sealed to all foil joints & underdrawn with 12.5mm white dolomite vinyl faced vapourcheck plasterboard fixed to 60mm x 35mm softwood battens creating air gap between the foil and plasterboard.
Roof space ventilated by means of continuous uPVC soffit vents
U value = 0.22W/m2K



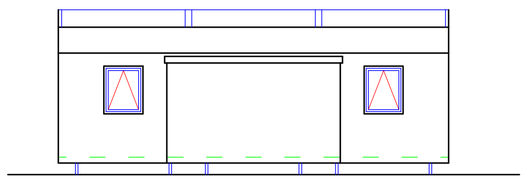
NORTH WEST ELEVATION 1:100



SOUTH WEST ELEVATION 1:100



SOUTH EAST ELEVATION 1:100



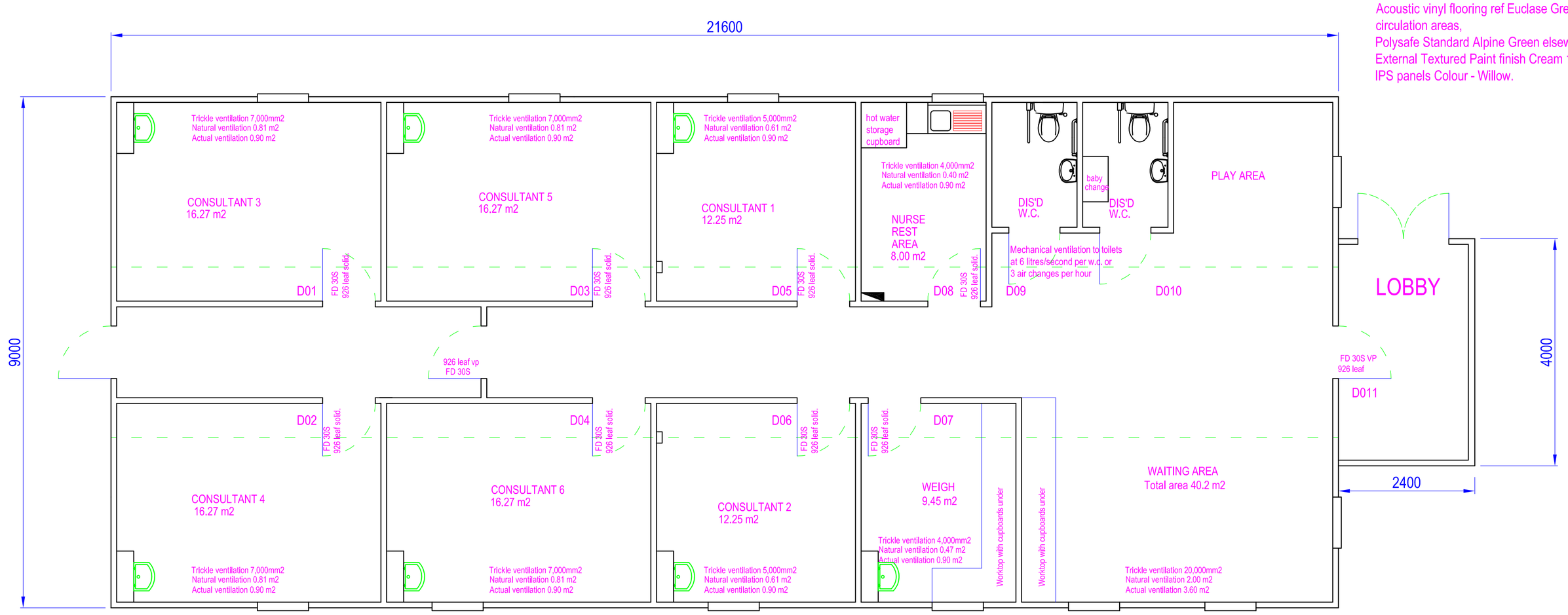
NORTH EAST ELEVATION 1:100

GENERAL NOTES

Any glazing in doors and within 300mm of edge to be in toughened glass.
Class O spread of flame to walls and ceiling.
Half hour fire to all elements of structure.
Windows Double glazed pvcU with 100mm restricters in all cases.
Partitions constructed from ex 75 x 50 studs at 600 centres with 1 layer 15mm Megaboard both sides with 25mm gypglas in cavity to achieve 48dB.
Ramp(by others) to have non slip surface 1.5m wide,100mm edge kerb,handrail both sides 900mm high(1.0 to landing)and have a rise of 1 in 20 max length 10m.
Entrance steps(by others) max rise of 150mm and going min 280mm.
Handrail 900 high to flight extending 300mm beyond last step and is to have contrasting nosings,landing to have tactile surface min 800 mm long x width of landing.
Habitable rooms to have rapid ventilation min 5% floor area.
Main entrance door min 1000 clear opening.
Fire exit signs to BS5499 to all final exits.
Emergency Lighting to be installed to BS5266 Part:1 1999.
Fire alarm system to be installed to BS5839:Part 1 linked to existing installed by client.
Habitable rooms to have trickle vents 400 sq mm per square metre of floor area.
Disabled toilet to have assistance alarm.

ADDITIONAL NOTES

Acoustic vinyl flooring ref Euclase Green to circulation areas,
Polysafe Standard Alpine Green elsewhere.
External Textured Paint finish Cream 10B15.
IPS panels Colour - Willow.



GROUND FLOOR PLAN 1:50

C	03.11.11	A.R.	As Built
B	26.04.11	A.R.	General Amendments
A	22.09.11	A.R.	General Amendments

COTAPLAN

UNIT 1, ASHTON GRANGE INDUSTRIAL ESTATE
BRYN ROAD. ASHTON - IN - MAKERFIELD
WIGAN. WN4 8BX
Tel 01942 271301 Fax 01942 721756

Client/Project

PROPOSED PAEDIATRIC UNIT
SURREY AND SUSSEX NHS TRUST

Drawing Title

PROPOSED PLAN AND ELEVATIONS

Dimensions & Area

System

Revision A B C

Scale	Date	Drawn	Drawing No
as shown 1:50 @A1	SEP 11	A.R.	20327:1