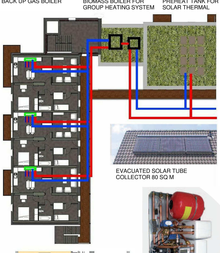
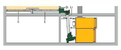
BACK UP GAS BOILER

BIOMASS BOILER FOR GROUP HEATING SYSTEM

PREHEAT TANK FOR SOLAR THERMAL



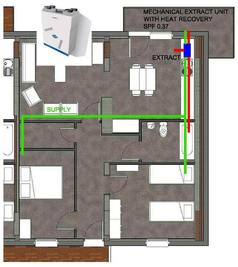
EVACUATED SOLAR TUBE COLLECTOR 80 SQ M



FUEL EXTRACTOR FOR BIOMASS BOILER FROM OVERHEAD STORAGE PLATFORM

HEAT EXCHANGER FOR DOMESTIC HOT WATER

14 Renewables Strategy
1 : 200



13 Ventilation Strategy
nts

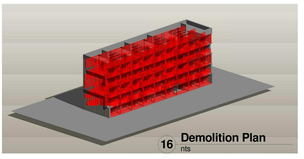
7 Elevation Facing East
1 : 200

8 Elevation Facing South
1 : 200

9 Elevation Facing North
1 : 200

10 Elevation Facing West
1 : 200

15 Site Plan
nts

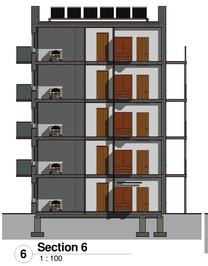


16 Demolition Plan
nts

17 Overshadowing 21 June 4pm

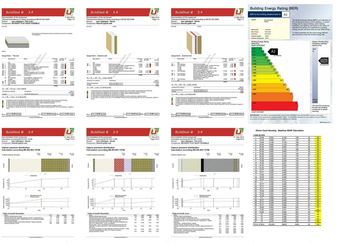
26 Apt 28 summer & winter solstice
nts

20 Existing Long Block
nts

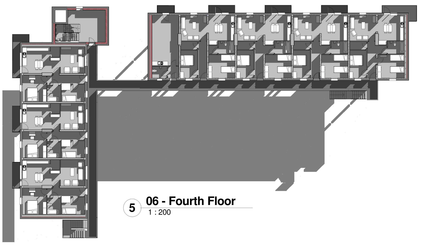


6 Section 6
1 : 100

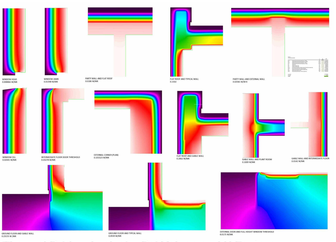
22 Section 1
1 : 100



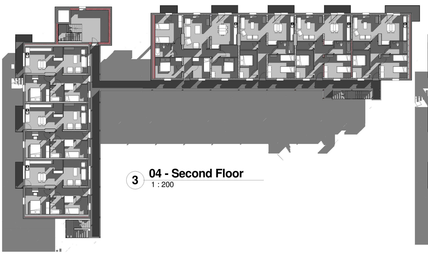
21 U Value Calc, Condenation Risk Analysis, Weighted BER
nts



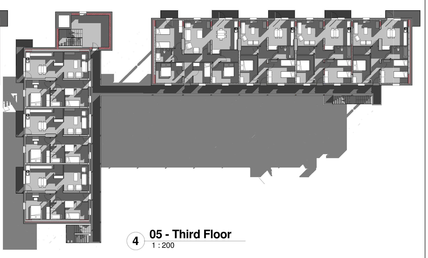
5 06 - Fourth Floor
1 : 200



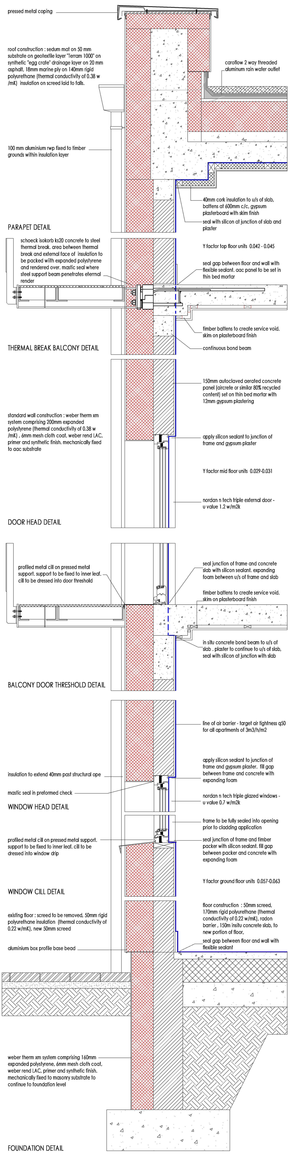
25 Thermal Bridge Analysis- Psi Values and U Factors
nts



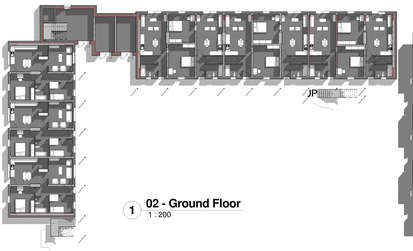
3 04 - Second Floor
1 : 200



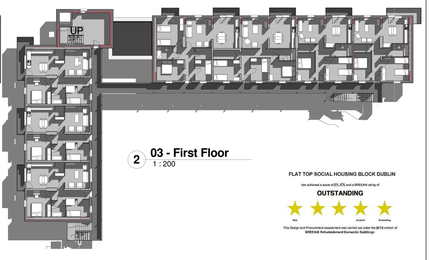
4 05 - Third Floor
1 : 200



11 Detail Section
1 : 10



1 02 - Ground Floor
1 : 200



2 03 - First Floor
1 : 200

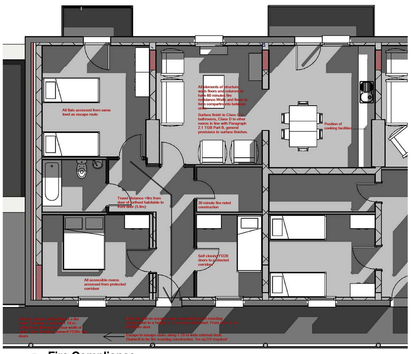
FLAT TOP SOCIAL HOUSING BLOCK DUBLIN

has achieved a score of 85.25% and a BREEAM rating of

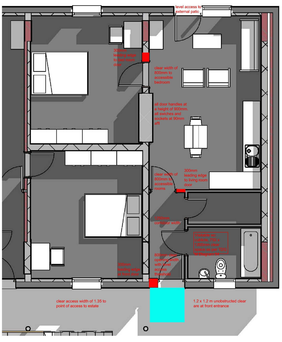
OUTSTANDING

Pass Good Excellent Outstanding

This Design and Procurement assessment was carried out under the BER2 version of BREEAM Refurbishment Domestic Dwellings



24 Fire Compliance
nts



12 Disabled Access Compliance
nts

23 Perspective views
nts

RETROFIT OF FLAT TOP BLOCK, DUBLIN

Date 10th May 2013

DIT SCHOOL OF ARCHITECTURE, DUBLIN INSTITUTE OF TECHNOLOGY, BOLTON STREET, DUBLIN 1
Postgraduate Certificate in Digital Analysis and Enegy Retrofit DT774 Session 2013-2013
ARCH 1280 - RETROFIT TECHNOLOGY PROJECT. PROJECT 6 FINAL DESIGN SUBMISSION

STUDENT
Eanna McManus D12125005