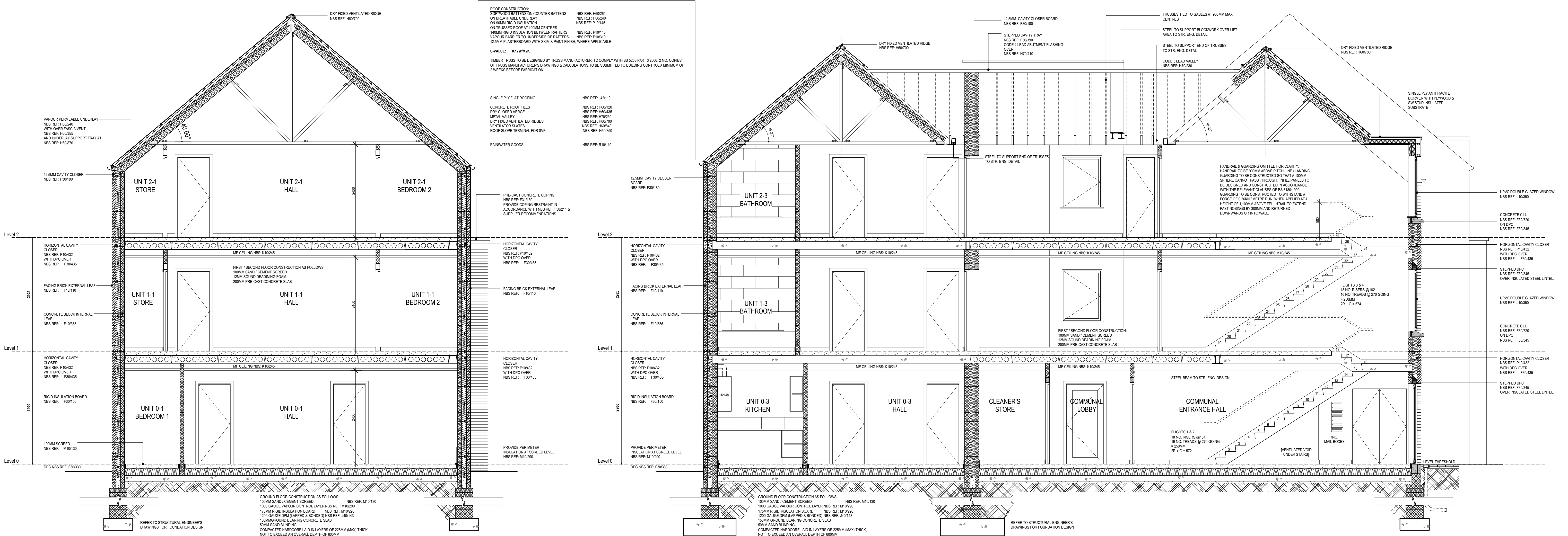




SECTION A -A

SECTION B - B

COMPARTMENT PENETRATIONS

ALL DUCT, FLUE DRAINAGE OR VENTILATION PIPES PASSING THROUGH FIRE RESISTING CONSTRUCTION TO COMPLY WITH THE GUIDELINES GIVEN IN BS 5588: PART 3: 1989 GIVEN FOR MAINTAINING FIRE RESISTANCE. IN ADDITION ALL PIPES SHALL BE FIRE STOPPED AT ALL JOINTS OR IMPERFECTIONS OF FIT BETWEEN ELEMENTS WHICH SERVE AS A BARRIER TO THE PASSAGE OF FIRE. TO PREVENT DISPLACEMENT OF FIRE STOPPING IT SHALL BE SUPPORTED BY A NON-COMBUSTIBLE MATERIAL. IE. INTUMESCENT MASTIC, GLASS FIBRE OR MORTAR.

DUCTS OR PIPES PENETRATING THE FLOOR SHALL BE IN A NON-COMBUSTIBLE SLEEVE OR ENCLOSURE, BOTH ABOVE AND BELOW THE FLOOR. THE ENCLOSURE SHALL EITHER BE LINED OR THE PIPE OR DUCT WRAPPED WITHIN, WITH 25MM TK, UNFACED MINERAL WOOL.

THE MATERIAL OF THE ENCLOSURE SHALL HAVE A MASS OF 15KG/M2. FLEXIBLE FIRE STOPPING SHALL BE USED WHERE THE PIPE OR DUCT PASSES THROUGH THE FLOOR WHERE A FLUE PIPE PENETRATES THE FLOOR AND DOES NOT DISCHARGE INTO A FLUE WITHIN A CHIMNEY CARRIED BY THE FLOOR, A NON-COMBUSTIBLE ENCLOSING DUCT WITH MINERAL WOOL ABSORBENT LINING SHALL BE PROVIDED.

CHIMNEYS AND FLUES

ALL FLUES SHALL BE CHECKED AT COMPLETION TO ENSURE THAT IT IS FREE FROM OBSTRUCTIONS, SATISFACTORY GAS-TIGHT AND CONSTRUCTED WITH MATERIALS AND COMPONENTS OF SIZES THAT SUIT THE INTENDED APPLICATION.

WHERE THE BUILDING WORK INCLUDES THE INSTALLATION OF A COMBUSTION APPLIANCE ALL OF THE TESTS SHALL INCLUDE THE FLUEPIPE AND THE GAS-TIGHTNESS OF THE JOINT BETWEEN THE FLUEPIPE AND THE COMBUSTION APPLIANCE OUTLET. A SPILLAGE TEST SHALL BE CARRIED OUT WITH THE APPLIANCE UNDER FIRE. A DURABLE NOTICE PLATE SHALL BE FIXED AT AN APPROPRIATE LOCATION IN THE DWELLING (UNDER REGULATION L5). FOR EACH HEARTH, FIREPLACE AND FLUE STATING:-

- LOCATION
- TYPE OF APPLIANCE THAT CAN BE ACCOMMODATED
- TYPE, SIZE AND MANUFACTURER OF FLUE OR LINER

EXAMPLE OF A NOTICE PLATE CAN BE SEEN IN TECHNICAL BOOKLET L PARAGRAPHS 1.46 - 1.48.

INTUMESCENT COATINGS FOR FIRE PROTECTION OF STEELWORK. ENSURE ALL STEELWORK IS PRIMED WITH A SYSTEM THAT IS RECOMMENDED BY THE INTUMESCENT COATING MANUFACTURER, SUITABLY CURED AND IN GOOD CONDITION. ENSURE THAT ALL NECESSARY CLEANING DOWN AND REPAIR OF DAMAGE TO THE PRIMING SYSTEM IS CARRIED OUT. INTUMESCENT SYSTEM TO BE AKZO NOBEL INTERBOND FP OR EQUAL OTHER & APPROVED. FIRE RESISTANCE TO BS 476-21: 30 MINS TOP SEALER COAT AS RECOMMENDED BY INTUMESCENT MANUFACTURER TO BE INTERSEEN S4 OR EQUAL & APPROVED. ALL TO BE INSTALLED AS TO MANUFACTURERS RECOMMENDATIONS AND INSTRUCTIONS.

GUARD RAILS

FOR DESIGN RESISTANCE SPECIFICATIONS FOR THE PROVISION OF GUARD RAILS TO WINDOWS AND BALUSTRADES REFER TO TECHNICAL BOOKLET H: TABLE 4.1: SECTION 1 (D) OF THE BUILDING REGULATIONS (N)

FOR BALCONIES/ TERRACES: MINIMUM HEIGHT OF GUARDING: 1100MM MINIMUM HORIZONTAL FORCE PER METRE RUN: 0.74 KN/M

FOR STAIRCASES AND LANDINGS: MINIMUM HEIGHT OF GUARDING: 900MM MINIMUM HORIZONTAL FORCE PER METRE RUN: 0.36 KN/M

FLOOR PENETRATIONS

REFER TO BUILDING REGULATIONS (N) TECHNICAL BOOKLET G SECTION 1.9.

DUCTS OR PIPES PENETRATING THE FLOOR SHALL BE IN A NON-COMBUSTIBLE SLEEVE OR ENCLOSURE, BOTH ABOVE AND BELOW THE FLOOR. ENCLOSURE TO BE EITHER LINED OR THE PIPE OR DUCT WRAPPED WITHIN, WITH 25MM TK, UNFACED MINERAL WOOL. THE MATERIAL OF THE ENCLOSURE SHALL HAVE A MASS OF 15KG/M2 FLEXIBLE FIRE STOPPING SHALL BE USED WHERE THE PIPE OR DUCT PASSES THROUGH THE FLOOR, WHERE A FLUE PIPE PENETRATES THE FLOOR AND DOES NOT DISCHARGE INTO A FLUE WITHIN A CHIMNEY CARRIED BY THE FLOOR, A NON-COMBUSTIBLE ENCLOSING DUCT WITH MINERAL FIBRE ABSORBENT LINING SHALL BE PROVIDED.

AIR INFILTRATION

TO REDUCE AIR INFILTRATION OF COLD AIR THROUGH THE BUILDING THE FOLLOWING METHODS MUST BE APPLIED.

- (A) SEAL GAPS BETWEEN DRY LINING AND MASONRY WALLS AT THE EDGES OF OPENING SUCH AS WINDOWS AND DOORS AT AT JUNCTIONS WITH WALLS, FLOORS & CEILINGS.
- (B) SEAL GAPS BETWEEN FRAMES, OPENINGS & DRAUGHTPROOFING THE OPENABLE ELEMENTS OF WINDOWS, DOORS AND ROOFLIGHTS.
- (C) SEAL HATCHES TO UNHEATED FLOOR & ROOF VOIDS.
- (D) SEAL SERVICE PENETRATIONS & AT FLOOR AND CEILING JUNCTIONS WHERE SERVICES ARE NOT BOXED IN.
- (E) SEAL AROUND JOIST ENDS WHERE JOISTS ARE BUILT INTO THE EXTERNAL WALL.
- (F) SEAL VAPOUR CONTROL MEMBRANES IN TIMBER FRAMED CONSTRUCTION.

NOTE: BUILDINGS WILL GENERALLY BE SUBJECT TO AN APPROPRIATE AIR PERMEABILITY TEST WHEN CONSTRUCTED.

TENDER

LETTER	DATE	TEXT
C	18/11/12	Tender clarification - Insulation thickness updated for roof and floor.
B	26/11/12	TENDER ISSUE
A	23/11/12	Additional information for billing

JOB NO. 2148

PROJECT

CHOICE Housing
Donard Street, Newcastle

DRAWING
Apartments - Sites 2 & 4
Sections A-A & B-B

DRAWING NO. 2148-030 SCALE(S) 1:100@A1 DATE DRAWN 22-06-12 DRAWN BY DMcC CHECKED BY HMcC

155-157 DONEGALL PASS
BELFAST
BT1 1DT
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71 CLARENDON ST
LDBERRY
BT4 7FR
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