

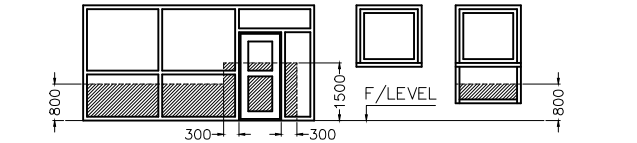
WINDOWS & DOORS

NEW DOUBLE GLAZED WINDOWS & DOORS TYPE & STYLE TO CLIENTS SPECIFICATION.
NEW FITTINGS
U/VALUE = 1.6 W/M²K OR BETTER
WINDOW ENERGY RATING MINIMUM BAND 'C'
CENTRE PANE U/VALUE = 1.2 W/M²K
DOORS WITH MORE THAN 50% OF INTERNAL FACE AREA GLAZED 1.8 W/M²K OR CENTRE PANE U/VALUE = 1.2 W/M²K
REPLACEMENT FITTINGS IN EXISTING DWELLING
U/VALUE = 1.6 W/M²K OR BETTER
WINDOW ENERGY RATING BAND 'E'
CENTRE PANE U/VALUE = 1.2 W/M²K
DOORS WITH MORE THAN 50% OF INTERNAL FACE AREA GLAZED 1.8 W/M²K OR CENTRE PANE U/VALUE = 1.2 W/M²K

DPC TO ALL JAMBS & CILLS.
FRAMES TO BE FIXED TO BRICKWORK WITH GALVANIZED TIES AT 300 mm CENTRES. THE GAP BETWEEN BRICKWORK & FRAME TO BE SEALED WITH MASTIC (COLOUR TO MATCH FRAMES).
TOTAL VENTILATION OPENINGS TO BE NOT LESS THAN 1/20th OF FLOOR AREA.
TRICKLE VENTS IN ALL NEW WINDOWS & DOORS TO HAVE A MIN AREA OF 8000 mm² FOR HABITABLE ROOMS & 4000 mm² ELSEWHERE. LOCATED TYPICALLY 1.7m ABOVE FLOOR LEVEL & 0.5m AWAY FROM ANY EXTRACT FAN.
TOTAL WINDOW AREA INCL. LINTELS NOT TO EXCEED 25% OF FLOOR AREA.
LINTELS ARE TO CONFORM TO BUILDING REGS HAVING A 'U' VALUE NOT EXCEEDING 1.2 W/M²K.

PROTECTION AGAINST IMPACT
GLAZING IN CRITICAL LOCATIONS SHOULD EITHER,
a) BREAK SAFELY
b) BE ROBUST OR IN SMALL PANES
c) BE PERMANENTLY PROTECTED

SAFETY GLAZING
SAFETY GLAZING TO CONFORM TO BS6206 CLASS B & C IN CRITICAL LOCATIONS. (DOOR & SIDE PANELS FROM FLOOR LEVEL TO 1500 mm WINDOWS UP TO 800 mm ABOVE FLOOR LEVEL. SINGLE PANELS NOT MORE THAN 0.5 M² IN AREA NOT EXCEEDING 250 mm WIDTH TO BE 6 mm ANNEALED GLASS).



SHADED AREAS SHOW CRITICAL LOCATIONS TO WHICH REQUIREMENT K4 (REVISED IN 2013) APPLIES.

GUARDING TO LOW LEVEL WINDOWS

IF GLAZING IS LESS THAN 800mm ABOVE FINISHED FLOOR LEVEL. FIXED GLAZING IS TO COMPLY WITH BS6399 & BS6180
FIXED GLAZING PANELS NOT IN ACCORDANCE BS6399 & BS6180 (ie: HAVING NO RESISTANCE TO FORCES)
THAT IS, FIXED GLAZING NOT REQUIRED TO ACT AS GUARDING & THE BASE OF CILL BEING UNDER 600mm ABOVE FFL.
IT WOULD BE REQUIRED TO FIX A NON CLIMBABLE GUARDING INTERNALLY.
IT SHOULD:

- a) PREVENT A SPHERE OF 75 mm FROM COMING INTO CONTACT WITH THE GLAZING
- b) BE ROBUST; AND
- c) IF IT IS INTENDED TO PROTECT GLAZING THAT FORMS PART OF PROTECTION FROM FALLING, BE DIFFICULT TO CLIMB.

PERMITTED UNPROTECTED AREAS IN SMALL RESIDENTIAL BUILDINGS

DIAGRAM 22 – APPROVED DOCUMENT B	
MIN DISTANCE BETWEEN SIDE OF BUILDING AND RELEVANT BOUNDARY (M)	MAXIMUM TOTAL AREA OF UNPROTECTED AREAS (M²)
1 Metre	5.60 M²
2 Metres	12.00 M²
3 Metres	18.00 M²
4 Metres	24.00 M²
5 Metres	30.00 M²
6 Metres	NO LIMIT

ALLOWABLE MAXIMUM UNPROTECTED AREA WITHIN 1 M OF BOUNDARY IS 1 M² WHICH MUST BE AT LEAST 4m AWAY FROM ANY OTHER UNPROTECTED AREA IN THE SAME SIDE

Rev	Date	Description
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ESCAPE WINDOWS

GROUND FLOOR STOREY
ALL HABITABLE ROOMS EXCEPT FOR KITCHENS & UTILITY ROOMS WHICH DO NOT OPEN ONTO A HALL LEADING TO AN ENTRANCE TO BE PROVIDED WITH AN ESCAPE WINDOW OR EXTERNAL DOOR

UPPER STOREY(S)
ALL HABITABLE ROOMS IN THE UPPER STOREY(S) OF A HOUSE SERVED BY ONLY ONE STAIR SHOULD BE PROVIDED WITH AN ESCAPE WINDOW OR EXTERNAL DOOR.

ESCAPE WINDOWS
SHOULD COMPLY WITH THE FOLLOWING CONDITIONS
ESCAPE WINDOWS SHOULD HAVE A MINIMUM UNOBSTRUCTED OPENING OF 0.33 M² (UNOBSTRUCTED BY 'EASY CLEAN' HINGES) & BE AT LEAST 750 mm HIGH x 450 mm WIDE. HEIGHT TO BOTTOM OF OPENING FROM FLOOR 800 mm MIN, 1100 mm MAX. 600 mm FROM A ROOF LIGHT IN A LOFT CONVERSION.
WINDOW SHOULD NOT BE LOCKABLE WITH A KEY

DRAUGHT PROOFING

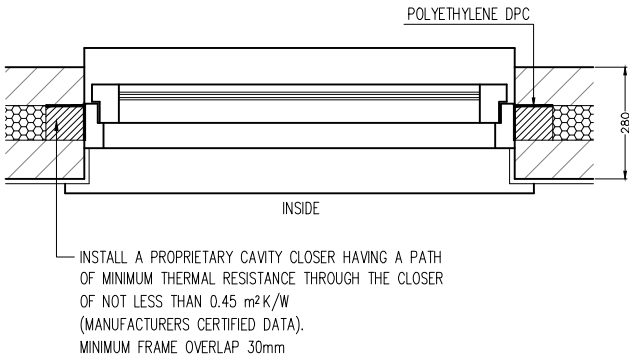
SEAL ALL GAPS AT OPENINGS SUCH AS WINDOWS, DOORS, JUNCTIONS WITH FLOORS & CEILINGS. ALSO INCLUDES HATCHES & SERVICE PIPES WHICH PENETRATE VOIDS. ALL WITH AN APPROVED SEALANT.
FIT DRAUGHT STRIPPING IN THE FRAMES OF OPENABLE ELEMENTS OF WINDOWS, DOORS & ROOFLIGHTS ETC.

INTERNAL LIGHTING

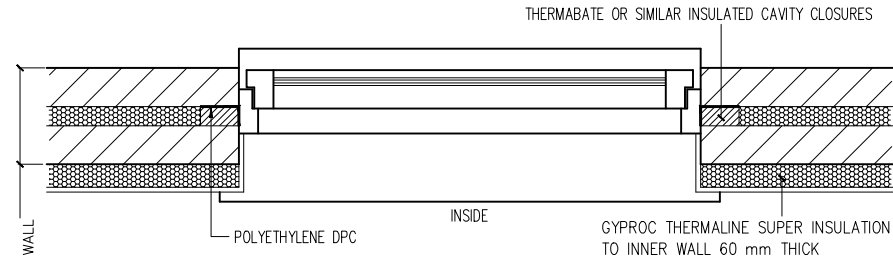
PROVIDE LIGHTING FITTINGS (INCLUDING LAMP, CONTROL GEAR AND AN APPROPRIATE HOUSING, REFLECTOR, SHADE OR DIFFUSER OR OTHER DEVICE FOR CONTROLLING THE OUTPUT LIGHT) THAT ONLY TAKE LAMPS HAVING A LUMINOUS EFFICACY GREATER THAN 45 LUMENS PER CIRCUIT–WATT. FLUORESCENT AND COMPACT FLUORESCENT LIGHTING WOULD MEET THIS STANDARD.
LIGHTING FITTINGS FOR GLS TUNGSTEN LAMPS WITH BAYONET CAP OR EDISON SCREW BASES, OR TUNGSTEN HALOGEN LAMPS WOULD NOT.
PROVIDE IN AREAS AFFECTED BY THE BUILDING WORK, FIXED ENERGY EFFICIENT LIGHT FITTINGS THAT NUMBER NOT LESS THAN:
ONE PER 25 M² OF DWELLING FLOOR AREA OR PART THEREOF (EXCL.GARAGES) OR THREE PER FOUR FIXED LIGHTING FITTINGS.(75%)
A LIGHT FITTING MAY CONTAIN ONE OR MORE LAMPS.
LIGHTING FITTINGS IN LESS USED AREAS LIKE CUPBOARDS AND OTHER STORAGE AREAS WOULD NOT COUNT TOWARDS THE TOTAL.
CONSULT GIL 20 FOR GUIDANCE ON IDENTIFYING SUITABLE LOCATIONS FOR ENERGY EFFICIENT LUMINAIRES.

FIXED EXTERNAL LIGHTING

PROVIDE FIXED EXTERNAL LAMPS CAPACITY NOT TO EXCEED 150 WATTS. LAMPS TO SWITCH OFF WHEN THERE IS ENOUGH DAYLIGHT AND WHEN NOT REQUIRED AT NIGHT.
OR LIGHT FITTINGS TO HAVE SOCKETS THAT CAN ONLY BE USED WITH LAMPS HAVING AN EFFICACY GREATER THAN 40 LUMENS PER CIRCUIT–WATT. COMPACT FLUORESCENT LAMP TYPES WOULD MEET THE STANDARD, BUT GLS TUNGSTEN LAMPS WITH BAYONET CAP OR EDISON SCREW BASES, LAMPS WOULD NOT.
TO COMPLY WITH SECTION 12 OF THE DOMESTIC BUILDING SERVICES COMPLIANCE GUIDE 2010

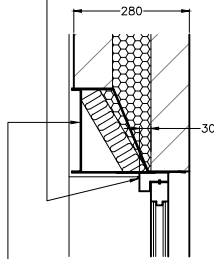


DETAIL (Cavity Closer's)
(Scale 1 :20)



ENLARGED DETAIL (NEW UPPER STOREY)
(Scale 1 :20)

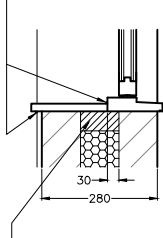
FLEXIBLE SEALANT TO BE APPLIED TO ALL INTERFACES BETWEEN THE INTERNAL AIR BARRIER AND THE WINDOW/ DOOR FRAME MEMBERS.



ENSURE THICKNESS OF LINTEL MATERIAL IS NO MORE THAN 3.2mm
USE ONLY PERFORATED BASE PLATE WITH AN EFFECTIVE THERMAL CONDUCTIVITY NOT EXCEEDING 30 W/mK.

DETAIL (Steel Lintels)
(Scale 1 :20)

FLEXIBLE SEALANT TO BE APPLIED TO THE JUNCTION BETWEEN THE PLASTER/PLASTERBOARD & CILL BOARD & BETWEEN THE CILL BOARD & WINDOW FRAME MEMBER



INSTALL A PROPRIETARY CAVITY CLOSER HAVING A PATH OF MINIMUM THERMAL RESISTANCE THROUGH THE CLOSER OF NOT LESS THAN 0.45 m²K/W (MANUFACTURERS CERTIFIED DATA).
MINIMUM FRAME OVERLAP 30mm

DETAIL (Window & Door Cills)
(Scale 1 :20)

STANDARD LEAD SHEET SIZES

FOR FLASHINGS AND WEATHERINGS						
WIDTHS (mm)	CODE 3		CODE 4		CODE 5	
	3m	6m	3m	6m	3m	6m
150			9	18.5	11.5	23
200	9	18	12.5	24.5	15	30.5
250			15	30.5	19	38
300	13.5	27	18.5	36.5	23	45.5
350			21.5	43	26.5	53
400			24.5	49	30.5	61
450			27.5	55	34.5	68.5
600			36.5	73.5	45.5	91.5
WEIGHTS OF ROLLS IN Kg						

FOR ROOFING, CLADDING & GUTTER LININGS						
DIMENSIONS	CODE 4	CODE 5	CODE 6	CODE 7	CODE 8	
6m x 1.2m	147	183	216.5	257	290	
3m x 2.4m	147	183	216.5	257	290	
6m x 2.4m	294	366	433.5	514.5	579.5	
12m x 2.4m	588	732	867	1029	1159	
WEIGHTS OF ROLLS IN Kg						

GUIDE TO BS EN 12588 CODES & THICKNESSES			
CODES	THICKNESS (mm)	WEIGHT Kg/m²	USE FOR
3	1.32	14.94	(A)
4	1.80	20.41	(ABF)
5	2.24	25.40	(BCDEFGH)
6	2.65	30.05	(BCDEFGH)
7	3.15	35.72	(CDEGH)
8	3.55	40.26	(CDGH)

KEY TO USES
(A) SOAKERS, (B) FLASHINGS, (C) FLAT ROOFING, (D) PARAPET, BOX & TAPERED VALLEY GUTTERS, (E) PITCHED ROOFS, (F) VERTICAL CLADDING (G) DORMERS, (H) BAY ROOFS & CANOPIES.

STEELWORK

BEFORE FABRICATION OF ANY STEELWORK ALL DIMENSIONS MUST BE CHECKED ON SITE.
WALLS ABOVE SUPPORTED BY STEELWORK MUST SIT CORRECTLY ON THE GIVEN SECTION CALCULATED.
STEEL SECTIONS ARE TO BE SET IN PLACE ON SUFFICIENT SIZE PADSTONES, MILD STEEL PLTS. OR COLUMNS
ALL STEELWORK TO BE GIVEN A COAT OF RED OXIDE PRIMER.
FOR EXTRA PROTECTION AGAINST RISING DAMP, CONDENSATION AND MOISTURE APPLY ONE COAT METALISTIC BLACK BITUMINOUS PAINT
ALL STRUCTURAL STEELWORK TO BE FIRE RESISTANT FOR UP TO ONE HOUR TO BE ACHIEVED BY
a) BE ENCASED IN 20mm 'VERMILUX' OR SIMILAR
b) BE ENCASED IN TWO LAYERS OF 12.5mm PLASTERBOARD
c) BRUSH ON PROTECTIVE COATING 'COPON' PYROTECH SPX 60
REFER TO CALCULATION SHEETS ATTACHED.
DETAILS & CONNECTIONS BY CONSTRUCTIONAL ENGINEERS ASSIGNED TO THIS PROJECT BY THE CLIENT OR PROJECT MANAGER.
BEARINGS ARE BASED ON THE DESIGN STRENGTH OF MASONRY OF 0.700 N/mm
EXISTING WALLS ARE TO BE EXPOSED AT NEW BEARING POSITIONS FOR INSPECTION BY THE L/AUTHORITY BUILDING CONTROL INSPECTOR TO DETERMINE THE STRENGTH OF THE EXISTING WALL AND IF NECESSARY REQUEST A RECALCULATION.

PRELIMINARY DRAWINGS
(Planning / Building Regulations Pending)

This drawing is intended for Planning & Building Regulation applications only & is not a detailed working drawing.
Building works not to commence until the necessary Planning & Building control approvals have been granted.
Contractors, subcontractors & suppliers are to check all relevant dimensions, site & building levels before commencing any shop drawings, fabrications, or building works.
Any discrepancies found in dimensions or levels to be reported to MARTECH Ltd thus enabling further checks to be carried out.
Methods of construction & materials used are the responsibility of the building contractor assigned to the project.

All new works to be carried out in accordance with Building Regs 2010 and all current codes of practice
(Drawings subject to revision until fully approved by building control)

A3 SHEET

Measurements shown are in millimeters

A3 SHEET

PAPER SIZE A3 - SCALE 1:100

0.00 m 1.00 m 2.00 m 3.00 m 4.00 m 5.00 m

PAPER SIZE A3 - SCALE 1:50

0.00 m 1.00 m 2.00 m 3.00 m 4.00 m

Drawing Title

PROPOSED NOTES & DETAILS

Client

Mr & Mrs P Rabbetts

Home Address

13 Privet Road
Waterlooville
Portsmouth
Hants PO7 5HJ

Site Address

13 Privet Road
Waterlooville
Portsmouth
Hants PO7 5HJ

Scale

As Shown

Date

January 2019

Project Number

1819-109

Drawing Number

08

Rev

0

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