

COMPENSATORY CALCULATIONS

| | | | | | | | | | | | | | | | | | |
|--|--|--|-------------------------|---|--|---|----------------------|--|--|--|--|--------------------------------|---|--|------------------|----------------------|--|
| INTERNAL FLOOR AREA | | | 19.42 | | | PROPOSED GLAZED AREA 1 | | | 8.4 | | | PROPOSED FLAT ROOF AREA | | | 19.42 | | |
| PROPOSED INTERNAL WALL AREA | | | 30.33 | | | PROPOSED GLAZED AREA 2 | | | 0 | | | PROPOSED INTERNAL PITCHED ROOF | | | 0 | | |
| EXISTING GLAZED AREA COVERED | | | 4.55 | | | VELUX WINDOWS AREA (sloping ceiling) | | | 0 | | | PROPOSED FLAT CEILING AREA | | | | | |
| NOTIONAL MAX GLAZING AT 25% | | | 4.86 | | | ATRIUM GLAZED AREA | | | 4 | | | | | | | | |
| COMBINED NOTIONAL GLAZING | | | 9.41 | | | VELUX WINDOWS AREA (flat ceiling) | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| DATA FOR PROPOSED ELEMENTS | | | surface area m2 | | | u-value w/m2k | rate of heat loss | | DATA FOR NOTIONAL ELEMENTS | | | surface area m2 | | | u-value w/m2k | rate of heat loss | |
| INTERNAL FLOOR | | | 19.42 | x | | 0.17 | 3.30 | | INTERNAL FLOOR | | | 19.42 | x | | 0.15 | 2.91 | |
| EXTERNAL WALLS (windows/doors deducted) | | | 21.93 | x | | 0.2 | 4.39 | | EXTERNAL WALLS (notional max glazing deducted) | | | 25.48 | x | | 0.17 | 4.33 | |
| FLAT ROOF (atrium deducted) | | | 15.42 | x | | 0.18 | 2.78 | | FLAT ROOF | | | 19.42 | x | | 0.13 | 2.52 | |
| PITCHED ROOF SLOPING CEILING (velux windows deducted) | | | 0 | x | | 0.18 | 0.00 | | PITCHED ROOF SLOPING CEILING | | | 0.00 | x | | 0.13 | 0.00 | |
| PITCHED ROOF FLAT CEILING (velux windows deducted) | | | 0 | x | | 0.14 | 0.00 | | PITCHED ROOF FLAT CEILING | | | 0.00 | x | | 0.11 | 0.00 | |
| GLAZED AREA 1 | | | 8.4 | x | | 1.2 | 10.08 | | NOTIONAL MAX GLAZING (25% of floor area + ex glazed area) | | | 9.41 | x | | 1.4 | 13.17 | |
| GLAZED AREA 2 | | | 0 | x | | 1.0 | 0.00 | | | | | TOTAL RATE OF HEAT LOSS | | | 22.94 | | |
| VELUX WINDOWS | | | 0 | x | | 1.0 | 0.00 | | | | | | | | | | |
| GLAZED ATRIUM | | | 4 | x | | 0.6 | 2.40 | | | | | | | | | | |
| | | | TOTAL RATE OF HEAT LOSS | | | | 22.94 | | | | | | | | | | |



PROPOSED EXTENSION TO
DWELLING FOR
MR C. HADDOW
52 WEIRWOOD AVENUE
GARROWHILL
GLASGOW
G69 6HR

NOTE: THESE DRAWINGS IN FULL ARE TO BE USED FOR THE PURPOSE OF OBTAINMENT OF LOCAL AUTHORITY APPROVALS I.E. PLANNING PERMISSION AND BUILDING WARRANTS ONLY WHERE APPLICABLE AND TO BE USED FOR GUIDANCE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY FOR FINAL MEASUREMENTS OF ALL NECESSARY SIZES AND RESPONSIBILITY FOR CORRECTNESS AND COMPLETENESS OF HIS OWN MEASUREMENTS NOT WITH STANDING THE APPROVAL OF THE DESIGNER AND OR BUILDING STANDARDS SURVEYOR.
LEVELS AND SPECIFICATIONS ARE TO BE VERIFIED PRIOR TO COMMENCEMENT OF WORKS AND PURCHASING OF GOODS. DRAWINGS HAVE BEEN DONE IN ACCORDANCE WITH SITE SURVEY. NO RESPONSIBILITY SHALL BE HELD FOR GAS, WATER SUPPLY AND DISCHARGE SERVICES WHICH ARE WITHIN FOOTPRINT OF PROPOSED WORKS AND ANY SPECIALIST FOUNDATIONS REQUIREMENTS, LEVELS AND MEASUREMENTS TAKEN AND ALSO POSITIONING OF BOUNDARY LINES. IT IS THE CLIENTS RESPONSIBILITY TO ENSURE THAT BOUNDARY LINES NOTED ON DRAWINGS ARE CORRECT BEFORE WORK COMMENCEMENT DO NOT SCALE OFF DRAWINGS

revisions: