Proposed Material List – PROJECT
Revision: 001

1.0 Project Address:	12 Sketchley Lane, Ratcliffe Culey, CV9 3NZ
2.0 Project Type:	Construction of 2 detached residential properties
3.0 Date:	06/03/2023
4.0 Project Description:	
5.0 PROPOSED MATERIAL FINISHES	
5.1 Brick – all exterior	Wienerberger – Terca – Apollo Red
5.2 Tiles - roof	Donard & Penrose T-EN490-IL-0-RF-297././.399-5.2
5.3 Windows	Liniar Sculptured energy + casement LSW012, LSW033, LSW022
5.4	
5.5	
5.6	
5.7	
5.8	
5.9	
5.10	
5.11	

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BRICKS

TECHNICAL DATA

Description	T-EN490-IL-O-RF-297-/-/-399-5.2
Size of Tile	419mm x 330mm
Pallet Size	1000 x 1065mm
Pallet Weight	1023kg (approximately)
Tiles per Pallet	192 tiles
Minimum Pitch	17.5° (100mm headlap) 22.5° (75mm headlap)
Maximum Pitch	54° (without special fixing) see fixing information, page 23
Minimum Headlap	75mm
Maximum Gauge	344mm
Hanging Length	399mm
Nominal Cover Width	297mm
Tile Weight	5.2kg
Nail Hole Diameter	5-8mm
Nail Hole position	40mm from top of tile
Covering Capacity per m2	9.8 tiles @ 75mm headlap
Weight of Tiling (approx.)	51kg/m2 @ 75mm headlap
Battens Required (net)	2.95Lm @ 75mm headlap
Batten Size	50mm x 25mm for rafters not exceeding 600mm centres
Tile Nails	50mm x 3.35mm
Tile Clips	Tile, Verge and Eave
Eave	Standard Tile
Verge Bedded	Purpose made Left and Right Hand Half Tiles, and Left Hand Full tiles, bedded over a soffit strip
Verge Dry Fix	Roo Verge Dry Verge System
Ridge Bedded	Universal Angle Ridge 0.455mm long
Ridge Dry Fix	Roovent Dry Ridge System
Hip Bedded	Hip Angle Ridge 0.455m long
Hip Dry Fix	Roo Ridge Dry Hip System

Minimum Fixing Guide: All tiles should be fitted to BS5534 : 2014 where a minimum requirement specifies a minimum of all tiles nailed once. Depending on site exposure, location, height to ridge, height to eave rafter length roof pitch and proximity of roof to higher artificial features and aviation activity more onerous fixings may be required. Contact our technical team for advice or a wind loading fixing pattern.

Matt Black
Granite Grey
Basalt Grey
Turf Brown
Brick Red
Antique Red

NORTHSTONE | 9

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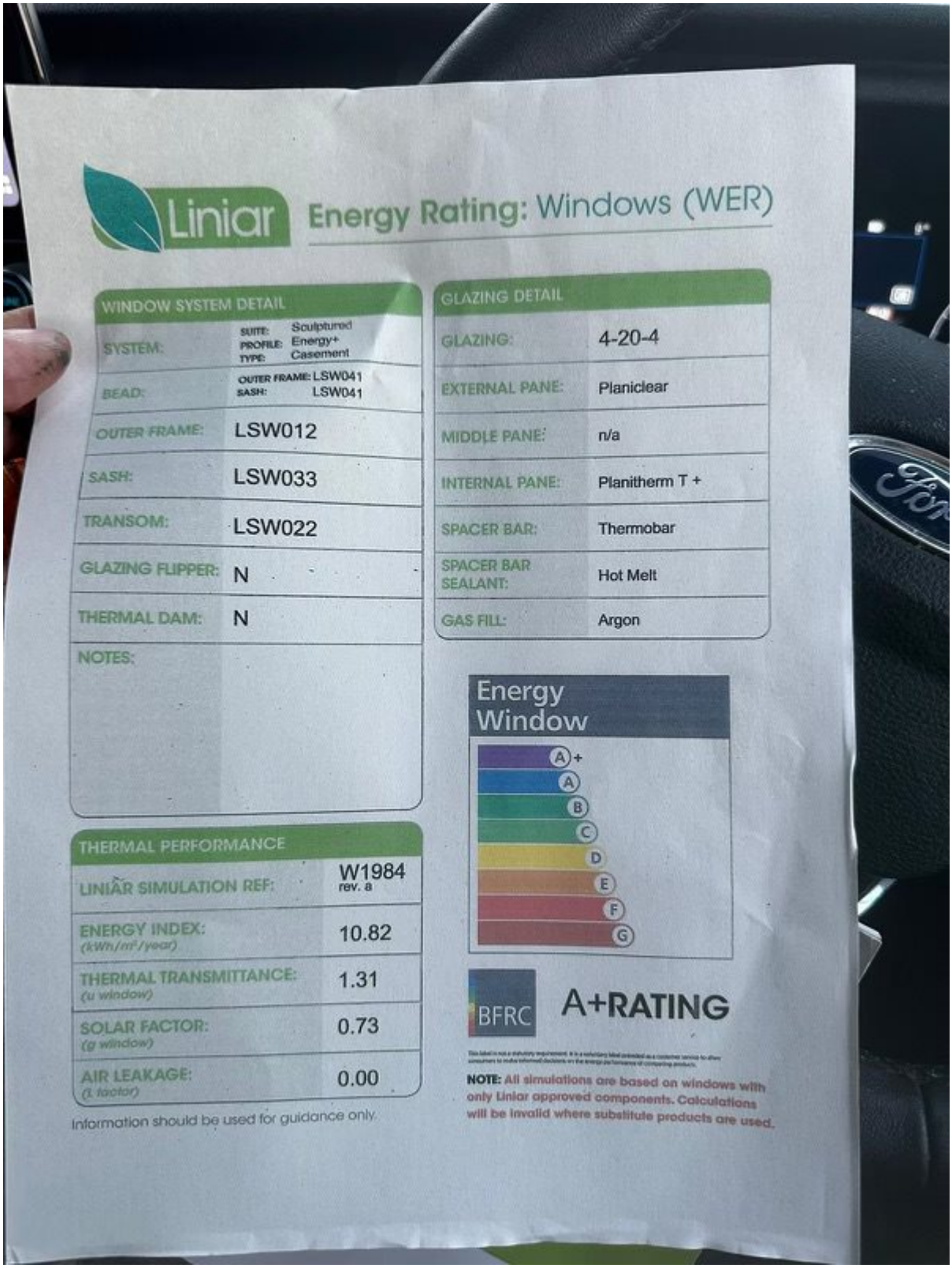

Liniar Energy Rating: Windows (WER)

WINDOW SYSTEM DETAIL	
SYSTEM:	SUITE: Sculptured PROFILE: Energy+ TYPE: Casement
BEAD:	OUTER FRAME: LSW041 SASH: LSW041
OUTER FRAME:	LSW012
SASH:	LSW033
TRANSOM:	LSW022
GLAZING FLIPPER:	N
THERMAL DAM:	N
NOTES:	

GLAZING DETAIL	
GLAZING:	4-20-4
EXTERNAL PANE:	Planiclear
MIDDLE PANE:	n/a
INTERNAL PANE:	Planitherm T +
SPACER BAR:	Thermobar
SPACER BAR SEALANT:	Hot Melt
GAS FILL:	Argon

THERMAL PERFORMANCE	
LINIAR SIMULATION REF:	W1984 rev. a
ENERGY INDEX: (kWh/m²/year)	10.82
THERMAL TRANSMITTANCE: (u window)	1.31
SOLAR FACTOR: (g window)	0.73
AIR LEAKAGE: (L factor)	0.00

Information should be used for guidance only.

Energy Window

A+ A B C D E F G

BFRC A+RATING

NOTE: All simulations are based on windows with only Liniar approved components. Calculations will be invalid where substitute products are used.