

TWD Windows Ltd. Unit 4 GWI Buisness Park, Collooney, Co.Sligo

Quotation

Mrs. Anne-Marie McCullagh (2859)
Clonlea Lodge
Ballinteer
Dublin 16

Quotation No.:	Client No.:	Phone:	Date:
QT17S016	2859 MCCULLAGH	085-1202223	2017/01/30

Aluclad - Wooden Windows and Doors Specification

Timber: Laminated & Engineered **Pine Finger Jointed**
Moisture Content 11 (-1,+1)%.
Density 430+ kg/m3

Profile System: **HPL78 (78mm) according CE (EN14351-1:2006+A1:2010)**

Aluclad System: **"HolzPlus". Aluminium thickness 1,2mm. RAL.....**

Glazing: As per specifications attached. **Triple glazing 44mm.**
Thermal Conductivity Rating Ug=0,55 W/m2K.
Solar factor G=54%.
Light transmission 74%.

Warm Edge Spacer: Swisspacer-V

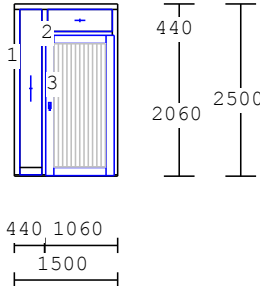
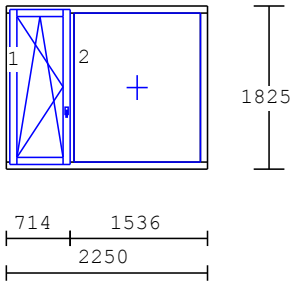
Glass type 4(6)Gr -Safety Tempered Glass acc.BS6262

Fittings: Multifunctional provided by G.-U.(Gretch-Unitas-BKS).
Turn/Tilt windows with integrated Micro ventilation.
Hidden Hinges as standard.

Sealants: **Two lines of milled EPDM gum sealant.**
Resistant to low temperatures.
Resistant to mechanical influence.

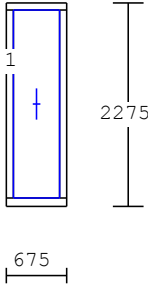
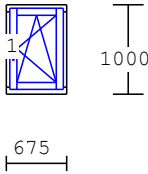
Surface Finish: First coating - wet surface impregnation.
Two coats of acrylic **Colour Sikkens**

Windows & doors drawings are presented from the interior of building.

Item No.	Quantity	Description	Unit cost EUR excl. VAT	Total cost
1	1 No.	 <p>D01 Front Door Profile : IV78HPL (Frame-Aluclad.Sash-Timber) Timber : PINE FJ FSC ALU Painting : RAL/RAL Aluclad : RAL Sealants : Standard 2x Threshold : ALU HTS18.2.1 + HVA30 Glazing : 3 1 x 4XNGr-16Ar-4-16Ar-4XNGr 1 x 4XN-16Ar-4-16Ar-4XN 1 x Insulated Door Panel Pine 44mm Fittings : 2 x Fix 1 x ASSA FIX2025 VR / PV (INWARD) U value : 1.15 Thermal Threshold Extension HVA30 Rubber DPC Threshold Bottom Sill Profile "Z" ALU RAL Size: 1500 x 2500</p>	1.638,08	1.651,68
	1 No.	Warm Edge Spacer Swisspacer	13,60	
	-0.11 Wm2K	Uw reduction for Swisspacer		
2	1 No.	 <p>W01 Family Room Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 2 2 x 4XNGr-16Ar-4-16Ar-4XNGr Fittings : 1 x Tilt/Turn. Hidden Hinges L. Tilt First 1 x Fix U value : 0.97 Sill Profile "Z" ALU RAL Size: 2250 x 1825</p>	1.287,88	1.327,10
	1 No.	Warm Edge Spacer Swisspacer	39,22	
	-0.13 Wm2K	Uw reduction for Swisspacer		

Item No.	Quantity	Description	Unit cost EUR excl. VAT	Total cost
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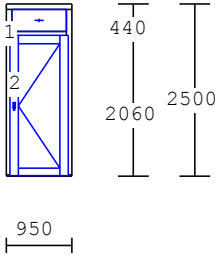
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3	1 No.	 <p>W02 Stairs Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 1 1 x 4XNGr-16Ar-4-16Ar-4XNGr Fittings : 1 x Fix U value : 1.09 Sill Profile "Z" ALU RAL Size: 675 x 2275</p>	472,26	486,17
	1 No.	Warm Edge Spacer Swisspacer	13,91	
	-0.17 Wm2K	Uw reduction for Swisspacer		
4	1 No.	 <p>W03 WC Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 1 1 x 4XN-16Ar-4Mat-16Ar-4XN FROSTED Fittings : 1 x Tilt/Turn. Hidden Hinges R. Tilt First U value : 1.26 Sill Profile "Z" ALU RAL Size: 675 x 1000</p>	375,51	379,88
	1 No.	Warm Edge Spacer Swisspacer	4,37	
	-0.18 Wm2K	Uw reduction for Swisspacer		

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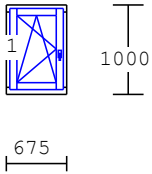
Item No.	Quantity	Description	Unit cost EUR excl. VAT	Total cost
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5	1 No.	D02 Utility 		
		Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : RAL/RAL Aluclad : RAL Sealants : Standard 2x Threshold : ALU HTS18.2.1 + HVA30 Glazing : 2 1 x 4XN-16Ar-4-16Ar-4XN 1 x 4XNGr-16Ar-4-16Ar-4XNGr Fittings : 1 x Fix 1 x ASSA FIX2025 VR / PV (INWARD) U value : 1.16 Thermal Threshold Extension HVA30 Rubber DPC Threshold Bottom Sill Profile "Z" ALU RAL Size: 950 x 2500	1.336,35	1.353,58

1 No. Warm Edge Spacer Swisspacer 17,23

-0.15 Wm2K Uw reduction for Swisspacer

6	1 No.	W04 Utility 		
		Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 1 1 x 4XN-16Ar-4-16Ar-4XN Fittings : 1 x Tilt/Turn. Hidden Hinges L. Tilt First U value : 1.26 Sill Profile "Z" ALU RAL Size: 675 x 1000	359,44	363,81

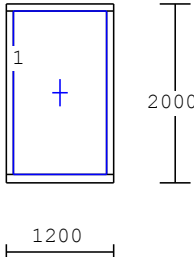
1 No. Warm Edge Spacer Swisspacer 4,37

-0.18 Wm2K Uw reduction for Swisspacer

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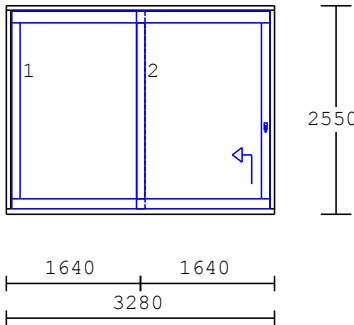
Item No.	Quantity	Description	Unit cost EUR excl. VAT	Total cost
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7	1 No.	 <p>W05 Lounge Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 1 1 x 4XNGr-16Ar-4-16Ar-4XNGr Fittings : 1 x Fix U value : 0.94 Sill Profile "Z" ALU RAL Size: 1200 x 2000</p>	614,14	637,97
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1 No.	Warm Edge Spacer Swisspacer	23,83
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-0.12 Wm2K Uw reduction for Swisspacer

8	1 No.	 <p>D03 Dining Area Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Threshold : GU Thermostep 174x67 Glazing : 2 2 x 6XNGr-14Ar-4-14Ar-6XNGr Fittings : 1 x FF 1 x GU-934H Sch.A ALU Lift/Slide Patio Door U value : 1.00 Rubber DPC Threshold Bottom Sill Profile "Z" ALU RAL Size: 3280 x 2550</p>	4.936,58	5.012,77
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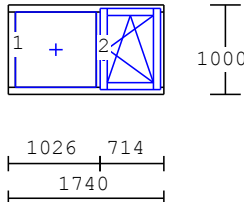
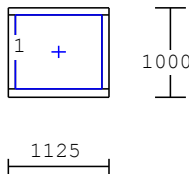
1 No.	Warm Edge Spacer Swisspacer	76,19
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-0.09 Wm2K Uw reduction for Swisspacer

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Item No.	Quantity	Description	Unit cost EUR excl. VAT	Total cost
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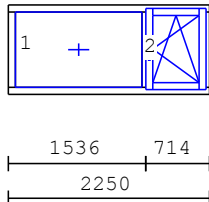
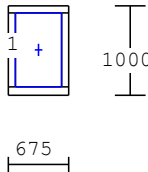
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9		1 No.	W06 Dining Area Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 2 2 x 4XNGr-16Ar-4-16Ar-4XNGr Fittings : 1 x Fix 1 x Tilt/Turn. Hidden Hinges R. Tilt First U value : 1.13 Sill Profile "Z" ALU RAL Size: 1740 x 1000	715,67	730,09
		1 No.	Warm Edge Spacer Swisspacer	14,42	
		-0.18 Wm2K	Uw reduction for Swisspacer		
10		1 No.	W07 Kitchen Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 1 1 x 4XN-16Ar-4-16Ar-4XN Fittings : 1 x Fix U value : 1.07 Sill Profile "Z" ALU RAL Size: 1125 x 1000	280,56	290,76
		1 No.	Warm Edge Spacer Swisspacer	10,20	
		-0.16 Wm2K	Uw reduction for Swisspacer		

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Item No.	Quantity	Description	Unit cost EUR excl. VAT	Total cost
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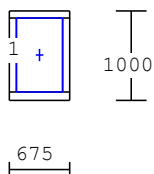
11		1 No.	W08 Play Room Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 2 2 x 4XNGr-16Ar-4-16Ar-4XNGr Fittings : 1 x Fix 1 x Tilt/Turn. Hidden Hinges R. Tilt First U value : 1.07 Sill Profile "Z" ALU RAL Size: 2250 x 1000	835,09	854,67
		1 No.	Warm Edge Spacer Swisspacer	19,58	
		-0.16 Wm2K	Uw reduction for Swisspacer		
12		1 No.	W09 Family Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 1 1 x 4XN-16Ar-4-16Ar-4XN Fittings : 1 x Fix U value : 1.19 Sill Profile "Z" ALU RAL Size: 675 x 1000	207,58	213,15
		1 No.	Warm Edge Spacer Swisspacer	5,57	
		-0.21 Wm2K	Uw reduction for Swisspacer		

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Item No.	Quantity	Description	Unit cost EUR excl. VAT	Total cost
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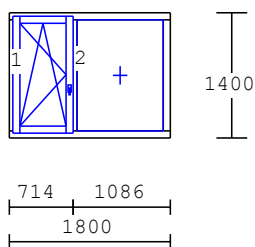
13	1 No.	W10 Family Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 1 1 x 4XN-16Ar-4-16Ar-4XN Fittings : 1 x Fix U value : 1.19 Sill Profile "Z" ALU RAL Size: 675 x 1000	207,59	213,16
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1 No.	Warm Edge Spacer Swisspacer	5,57
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-0.21 Wm2K Uw reduction for Swisspacer

14	1 No.	W11 Bedroom No.3 Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 2 2 x 4XN-16Ar-4-16Ar-4XN Fittings : 1 x Tilt/Turn. Hidden Hinges L. Tilt First 1 x Fix U value : 1.06 Sill Profile "Z" ALU RAL Size: 1800 x 1400	775,78	798,17
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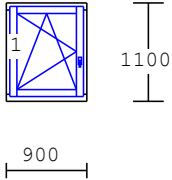
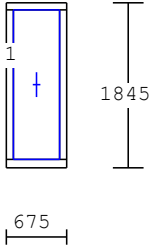
1 No.	Warm Edge Spacer Swisspacer	22,39
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-0.16 Wm2K Uw reduction for Swisspacer

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Item No.	Quantity	Description	Unit cost EUR excl. VAT	Total cost
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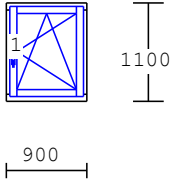
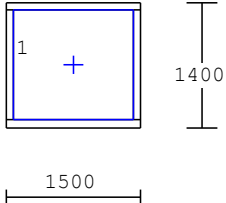
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15	1 No.	 <p>W12 Bathroom Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 1 1 x 4XN-16Ar-4Mat-16Ar-4XN FROSTED Fittings : 1 x Tilt/Turn. Hidden Hinges L. Tilt First U value : 1.16 Sill Profile "Z" ALU RAL Size: 900 x 1100</p>	468,76	476,07
	1 No.	Warm Edge Spacer Swisspacer	7,31	
	-0.16 Wm2K	Uw reduction for Swisspacer		
16	1 No.	 <p>W13 Landing Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 1 1 x 4XNGr-16Ar-4-16Ar-4XNGr Fittings : 1 x Fix U value : 1.11 Sill Profile "Z" ALU RAL Size: 675 x 1845</p>	394,77	405,87
	1 No.	Warm Edge Spacer Swisspacer	11,10	
	-0.18 Wm2K	Uw reduction for Swisspacer		

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Item No.	Quantity	Description	Unit cost EUR excl. VAT	Total cost
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17	1 No.	 <p>W14 En-Suite Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 1 1 x 4XN-16Ar-4Mat-16Ar-4XN FROSTED Fittings : 1 x Tilt/Turn. Hidden Hinges R. Tilt First U value : 1.16 Sill Profile "Z" ALU RAL Size: 900 x 1100</p>	468,76	476,07
	1 No.	Warm Edge Spacer Swisspacer	7,31	
	-0.16 Wm2K	Uw reduction for Swisspacer		
18	1 No.	 <p>W15 Master Bedroom Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 1 1 x 4XN-16Ar-4-16Ar-4XN Fittings : 1 x Fix U value : 0.96 Sill Profile "Z" ALU RAL Size: 1500 x 1400</p>	412,82	433,46
	1 No.	Warm Edge Spacer Swisspacer	20,64	
	-0.12 Wm2K	Uw reduction for Swisspacer		

Carried to next page: 16.104,43

Item No.	Quantity	Description	Unit cost EUR excl. VAT	Total cost
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19	1 No.	 <p>W16 Master Bedroom Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 2 2 x 4XNGr-16Ar-4-16Ar-4XNGr Fittings : 1 x Fix 1 x Tilt/Turn. Hidden Hinges R. Tilt First U value : 1.13 Sill Profile "Z" ALU RAL Size: 1500 x 1245</p>	767,01	782,63
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1 No.	Warm Edge Spacer Swisspacer	15,62
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-0.18 Wm2K Uw reduction for Swisspacer

20	1 No.	 <p>W17 Bedroom No.17 Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 2 2 x 4XNGr-16Ar-4-16Ar-4XNGr Fittings : 1 x Fix 1 x Tilt/Turn. Hidden Hinges R. Tilt First U value : 1.13 Sill Profile "Z" ALU RAL Size: 1500 x 1245</p>	767,01	782,63
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1 No.	Warm Edge Spacer Swisspacer	15,62
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-0.18 Wm2K Uw reduction for Swisspacer

Q-ty	20 No.	Windows & Doors Total
Area	41.97 sq.m	Area Total

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Item No.	Quantity	Description	Unit cost EUR excl. VAT	Total cost
Brought from previous page:				17.669,69
Handle	10 No.	Window Handle Maco Silver N102	6,01	60,10
Position's sum without VAT				17.729,79
Measuring				
Installation				2.056,53
Delivery				780,00
VAT 13.50%				2.776,45
Total cost:				€ 23.342,77
Discount:				- € 2.342,77
OFFER TOTAL:				€ 21.000,00
(€18.502,20 ex VAT)				

The Certified U-Value for the Window type (Standard Window Sample 1230mm x 1480mm) contained in this Quotation for the MAIN HOUSE;

EN10077-2 is 0.88 Wm²K. and EN12207 (Airtightness) Class 4

We trust that this offer will be of interest to you.

Sincerely yours,
Brian Raftery
TWD Windows Ltd



TWD Windows Ltd. Unit 4 GWI Buisness Park, Collooney, Co.Sligo

Quotation

**Mrs. Anne-Marie McCullagh (2859) Extension
Extension To House
Ballinteer
Dublin 16**

Quotation No.:	Client No.:	Phone:	Date:
QT17S017	2859 MCCULLAGH	085-1202223	2017/01/30

Aluclad - Wooden Windows and Doors Specification

Timber: Laminated & Engineered **Pine Finger Jointed**
Moisture Content 11 (-1,+1)%.
Density 430+ kg/m3

Profile System: **HPL78 (78mm) according CE (EN14351-1:2006+A1:2010)**

Aluclad System: **"HolzPlus". Aluminium thickness 1,2mm. RAL.....**

Glazing: As per specifications attached. **Triple glazing 44mm.**
Thermal Conductivity Rating Ug=0,55 W/m2K.
Solar factor G=54%.
Light transmission 74%.

Warm Edge Spacer: Swisspacer-V

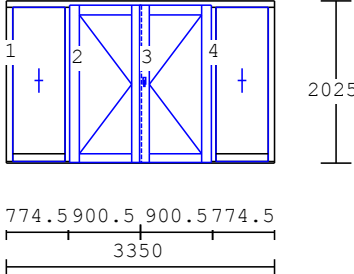
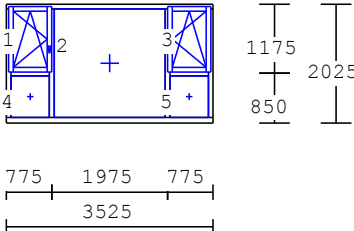
Glass type 4(6)Gr -Safety Tempered Glass acc.BS6262

Fittings: Multifunctional provided by G.-U.(Gretch-Unitas-BKS).
Turn/Tilt windows with integrated Micro ventilation.
Hidden Hinges as standard.

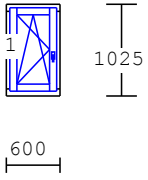
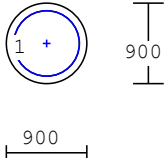
Sealants: **Two lines of milled EPDM gum sealant.**
Resistant to low temperatures.
Resistant to mechanical influence.

Surface Finish: First coating - wet surface impregnation.
Two coats of acrylic **Colour Sikkens**

Windows & doors drawings are presented from the interior of building.

Item No.	Quantity	Description	Unit cost EUR excl. VAT	Total cost
1	1 No.	D04+W24+W23 Extension		
		Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Threshold : ALU HTS18.2.1 + HVA30 Glazing : 4 4 x 4XNGr-16Ar-4-16Ar-4XNGr Fittings : 2 x Fix 1 x ASSA FIX2025 VR / PV (INWARD) 1 x ASSA FIX2025 VR / PV (INWARD) U value : 1.06 Thermal Threshold Extension HVA30 Rubber DPC Threshold Bottom Sill Profile "Z" ALU RAL Size: 3350 x 2025		
			2.919,11	2.981,09
	1 No.	Warm Edge Spacer Swisspacer	61,98	
	-0.15 Wm2K	Uw reduction for Swisspacer		
1A	2.025 m	Corner Post Cladding ALU RAL 1 x 2025 (mm)	42,05	85,15
1B	2.025 m	Corner Post Cladding PINE RAL 1 x 2025 (mm)	57,83	117,11
2	1 No.	W22 Extension		
		Profile : IV78HPL Timber : PINE FJ FSC ALU Painting : 2xRAL Aluclad : RAL Sealants : Standard 2x Sill : L20/V20 Glazing : 5 2 x 4XN-16Ar-4-16Ar-4XN 1 x 6XNGr-12Ar-6-14Ar-6XNGr 2 x 4XNGr-16Ar-4-16Ar-4XNGr Fittings : 1 x Tilt/Turn. Hidden Hinges L. Tilt First 3 x Fix 1 x Tilt/Turn. Hidden Hinges R. Tilt First U value : 1.03 Thermal Threshold Extension HVA30 Rubber DPC Threshold Bottom Sill Profile "Z" ALU RAL		

Carried to next page: 3.183,35

Item No.	Quantity	Description	Unit cost EUR excl. VAT	Total cost
Brought from previous page:				3.183,35
		Size: 3525 x 2025	2.536,96	2.609,54
	1 No.	Warm Edge Spacer Swisspacer	72,58	
	-0.14 Wm2K	Uw reduction for Swisspacer		
3	1 No.	W29 Shower		
		Profile : IV78HPL		
		Timber : PINE FJ FSC ALU		
		Painting : 2xRAL		
		Aluclad : RAL		
		Sealants : Standard 2x		
		Sill : L20/V20		
		Glazing : 1		
		1 x 4XN-16Ar-4Mat-16Ar-4XN FROSTED		
		Fittings :		
		1 x Tilt/Turn. Hidden Hinges L. Tilt First		
		U value : 1.30		
		Sill Profile "Z" ALU RAL		
		Size: 600 x 1025	377,98	381,95
	1 No.	Warm Edge Spacer Swisspacer	3,97	
	-0.19 Wm2K	Uw reduction for Swisspacer		
4	1 No.	Profile : IV78HPL		
		Timber : PINE FJ FSC ALU		
		Painting : 2xRAL		
		Aluclad : RAL		
		Sealants : Standard 2x		
		Glazing : 1		
		1 x 4XN-16Ar-4-16Ar-4XN		
		Fittings : 1 x Fix		
		U value : 1.14		
		Size: 900 x 900	497,29	502,99
	1 No.	Warm Edge Spacer Swisspacer	5,70	
	-0.19 Wm2K	Uw reduction for Swisspacer		
Q-ty	4 No.	Windows & Doors Total		

Item No.	Quantity	Description	Unit cost EUR excl. VAT	Total cost
Brought from previous page:				6.677,83
Area	15.18 sq.m	Area Total		
Handle	3 No.	Window Handle Maco Silver N102	6,30	18,90
Position's sum without VAT				6.696,73
Measuring				
Installation				1.046,73
Delivery				780,00
VAT 13.50%				1.150,67
Total cost:				€ 9.674,13
Discount:				- € 824,13
OFFER TOTAL:		(€7.797,35 ex VAT)		€ 8.850,00

The Certified U-Value for the Window type (Standard Window Sample 1230mm x 1480mm) contained in this Quotation for the MAIN HOUSE;

EN10077-2 is 0.88 Wm²K. and EN12207 (Airtightness) Class 4

We trust that this offer will be of interest to you.

Sincerely yours,
Brian Raftery
TWD Windows Ltd

