WINDOW SCHEDULE

Window Number GH-W01 GH W x H Size 2 050 1 531×2 050 Window sill height 950	I-W02 7 450×700 1 600	W01 5 778×700 1 600	W02 W03 2 261×3 000 2 822> 0 0 0	W04 <3 000 1 000×3 000 0	W05 W06 1 500×1 900 5 1 100 1	Window List	W07 2 000×700 1 050	W08 1 500×1 500 900	W09 W10 1 372×3 000 0	2 462×3 000	W11 2 462×3 000 0	1 5 500×700 2 200	
Window shi height 950 Window head height 3 000 PLAN		2 300			3 000		1 750	2 400					
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			3 000 3 4 1 038 4 978		$ \begin{array}{c} & 1 \\ $			000 %	3 000	3 000	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
Surface Area $3,14$	5,22	4,04	6,78 8,46	<u>2 822</u> 3,00	2,85	3,94	1,40	2,25	4,12	7,39	7,39	3,85	
INDOW TYPE	CHARCOAL GREY: POWDER COATED ALUMINIUM FIXED W	INDOW CHARCOAL GREY: POWDER COATED ALU	MINIUM POWDER COATED POWE ALUMINIUM FIXED ALUM WINDOW WIND	WINDOW		CHARCOAL GREY: POWDER COATED S WINDOW	HUNG WINDOW		CHARCOAL GREY: POWDER COATED ALUMINIUM FIXED WINDOW		CHARCOAL GREY: POWDER COATED ALUMINIUM FIXED WINDOW	CHARCOAL GREY: POWDER COATED S	
LAZING LASS ESCRIPTION	6mm CLEAR TOUGHENED SAFETY GLASS SINGLE- LOW E SMARTGLASS U-VALUE : 1.000	6mm CLEAR TOUGHENED SAFETY GLASS SINGLE- LOW E SMARTGLASS U-VALUE : 1	SAFETY GLASS SAFE	TOUGHENED SAU GLASS	FETY TOUGHENED SAFETY GLASS	4mm CLEAR MONOLITHIC ANNEALED GL	SINGLE- LOW E	POWDER COATED SLIDING WINDOW	6mm CLEAR TOUGHENED SAFETY GLASS SINGLE- LOW E SMARTGLASS U-VALUE : 0.440		6mm CLEAR TOUGHENED SAFETY GLASS SINGLE- LOW E SMARTGLASS U-VALUE : 0.440	4mm CLEAR MONOLITHIC ANNEALED GL/ SINGLE- LOW E SMARTGLASS U-VALUE	
D Sill Height on the 950 Reveal Side	1 600 W14 W15 W16	1 600 	0 0 0 W18	0	1 100 1	1 100 W21 W22	1 050	900	0	0	0	2 200	
indow Number W13 x H Size 800×700 1 300×3 000 indow sill height 1 600 0 indow head height 2 300 3 000		51×2 600 7 133×2 600 0 500	900	W19 0×3 050 2 053×700 1 600 50 2 300 	3 345×2 750 500 3 250	1 321×3 250 0 3 250	0 0 3 050 3 000		W23 3 000				
										NOTE INTER	ER DOOR SCHED		
VATION $\left \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \\ \\ \\ \end{array} \end{array} \right _{\frac{1}{800}} \\ \frac{1}{800} $			7 133						, <u>1 500</u>	to Arch EXTEF 3 Leve	nitect's approval. RNAL DOOR SET :	d satin-chrome handles	
ace Area 0,56 3,90 CHARCOAL GREY: POWDER COATED CHARCOAL GREY: POWDER ALUMINIUM FIXED F WITH SIDE HUNC	ANE POWDER CHARCOAL GRET. POWDER PO	IARCOAL GREY: WDER COATED UMINIUM FIXED WINDOW CHARCOAL GREY: POWI		IARCOAL GREY: WDER COATED CHARCOAL GR POWDER COATED	TED CHARGOAL GREET PC	CHARCOAL GREY: POWDER COATED ALUMINIUM FIXED	POWDER COATED POW	RCOAL GREY: CHARC /DER COATED ALUMI	OAL GREY: ER COATED NUM FIXED PANE	HARD 1 Coat coats g	WOOD ARCHITRAV t wood primer, 1 univ gloss enamel paint in	VES TO ALL DOORS: versal undercoat and 2 n approved colour. To	
ZING	ENED 6mm CLEAR 6mm CLEAR TOUGHENED SAFETY 6m	TH TOP HUNG FANLIGHTS Im CLEAR TOUGHENED FETY GLASS 6mm CLEAR TOUGHENED		UMINIUM FIXED PANE FORDER GOAL TH TOP HUNG WINDOW SLIDING WINDOW Im CLEAR MONOLITHIC 4mm CLEAR MONOLITHIC INEALED GLASS ANNEALED GL	ONOLITHIC 6mm CLEAR TOUGHEN	ED 6mm CLEAR TOUGHENED	4mm CLEAR MONOLITHIC 6mm		LEAR IENED SAFETY	GLOS 1 Coat	r designers spec. S ENAMEL ON WOC t wood primer, 1 univ gloss enamel paint in	versal undercoat and 2	
SS CRIPTION SINGLE- LOW E SMARTGLASS U-VALUE : 0.370 SINGLE- LOW E SMARTGLASS 0.440 Sill Height on the Reveal Side 1 600 0	ALUE : SMARTGLASS SINGLE- LOW E SWARTGLASS U- SM	NGLE- LOW E MARTGLASS U-VALUE : SINGLE- LOW E SMARTGL 40 0 500	ASS U-VALUE : 0.590 SM	NGLE- LOW E MARTGLASS U-VALUE : SINGLE- LOW E SMARTGLASS 1.000 1 600	U-VALUE : SINGLE- LOW E SMART U-VALUE : 0.590 500	SMARTGLASS U-VALUE :	SINGLE- LOW E SMARTGLASS U-VALUE : SMA 1.000 0	RTGLASS U-VALUE : SMART	E- LOW E GLASS U-VALUE				
DOUR SU	DO3 DO3 DO	I3 D04 D04	D05 D06	D07 D0	08	D09		D10	D11		D12		
H Size 2 000×3 000 900×2 400 A 6,00 2,16 head height 3 000 2 400	5,40 1,89 2,1	0×2 400 900×2 100 900×2 400 16 1,89 2,16 100 2 100 2 400	900×2 100 900×3 050 1,89 2,75 2 100 3 050	2,75 18	016×3 000 3,05 050	5 566×3 000 16,70 3 050		4 086×3 000 12,26 3 050	4 448×3 000 13,35 3 050		5 075×3 000 15,23 3 050		
								*			*		
							5 566	4 086		→ 4 448	3 000	← ← 00 tr d G 5 075 k + TH	
A A HARDWOO TIMBER R/ FEILDED S FLUSH PA DOOR LEAF JFORMATION	DD AISED & OLID NEL STAINED HARDWOOD oat wood HORIZONTAL SLATTED HARDWOOD TIMBER RAISED & FEILDED HOLLOW CORE FLUSH PANEL INTERNAL DOOR 1	ARDWOOD HARDWOOD HARDWOOD TIMBER RAISED & TIMBER RAISED HOLLOW FEILDED HOLLOW FEILDED HOLLOW CORE FLUSH CORE FLUSH NNEL INTERNAL PANEL INTERNAL PANEL INTERNAL DOOR 1 Coat wood DOOR	DD HARDWOOD AISED & TIMBER RAISED & HARDWO IOLLOW FEILDED HOLLOW RAISED & SH CORE FLUSH HOLLOW ERNAL PANEL INTERNAL FLUSH PA	OD TIMBER FEILDED CORE ANEL L DOOR 1 CLAR GLAZING: 6mm CLEAR TOUGHENED SAFETY GLASS SIDE HUNG DOOR - AL	1 LAZING: 6mm CLEAR TOUGHENED LL PANES IN 3 EQ. LEAVES -GLASS	DESCRIPTION:	CLEAR TOUGHENED SAFETY PANES IN 3 EQ. LEAVES -GLASS SINGLE- LOW E SMARTGLASS			m CLEAR TOUGHENED SA L PANES IN 2 EQ. LEAVES	- TO ALL PANES IN 3 EC	R TOUGHENED SAFETY GLASS Q. LEAVES -GLASS LE- LOW E SMARTGLASS U-	
undercoat coats gloss paint in ap colour	and 2 ENTRANCE DOOR Coat wood primer, 1 pril enamel proved 2 coats gloss enamel coa	mer, 1 universal primer, 1 universal dercoat and 2 undercoat and 2 ats gloss enamel paint in approved lour colour colour primer, 1 universal undercoat and 2 undercoat and 2 coats gloss enamel paint in approved colour colour	and 2 universal undercoat universal u enamel and 2 coats gloss 2 coats glo	d primer, 1 undercoat and oss enamel proved colour UDUBLE- LOW E SMARTGLASS U- VALUE : 0.7500	INGLE- LOW E SMARTGLASS U-V	ALUE : 1.190 VALUE : 1.190			J-VALUE : 1.190 SMARTGLASS		VALUE : 1.190		
R NUMBER D13 H Size 5 460×3 000 A 16.38	D14 D14 4 069×3 000 4 209× 12,21 12,63	Door List D15 ×3 000 2 930×3 000 8.79	D16 3 884×3 000 11.65	D17 3 884×3 000 11.65	D18 3 515 10.54	5×3 000 4 890×3 0	00		GATE 2 GATE 3 00×2 100 900×2 100 .89 1.89	GD 02 6 000×2 900 17.40			
head height 3 050	3 050 3 050 I I I I		3 050	3 050 I I	3 050 1) 3 050 I I		3 000 2	2 185 2 185	2 900			
											▲ -	2 300	
↓ ↓ 5 460	→ + + 069 + + +	4 209 X X		3 884 / /	<u>3 884</u>	3 515 X	4 890	* * * ⁹⁰⁰ *	x 900 x x 900		6 000		
GLAZING: 6mm CLEAR TOUGHENED S DOOR LEAF NFORMATION VALUE : 1.190	S SAFETY GLASS TO ALL PANES IN 3 EQ. SAFE GLASS U- LEAVES -GLASS DESCRIPTION: SINGLE- LEAVE	TY GLASS TO ALL PANES IN 2 EQ. ALL PANES IN 2 EQ. ES -GLASS DESCRIPTION: SINGLE-	SAFETY GLASS TO 2 EQ. LEAVES - RIPTION: SINGLE- GLAZING: 6mm CLE SAFETY GLASS TO LEAVES -GLASS DE	ALL PANES IN 3 EQ. SAFETY GLAS SCRIPTION: SINGLE- LEAVES -GLA	Im CLEAR TOUGHENED TOUS SS TO ALL PANES IN 2 EQ. SS DESCRIPTION: SINGLE- ITGLASS U-VALUE : 1.190 LOW	LL PANES IN 2 EQ. LEAVES GLASS TO SS DESCRIPTION: SINGLE- GLASS DE		ETY		AUTOMATED AL SPECIALIST DE	LUMINIUM DOUBLE GARAGE TAIL	DOOR TO	
VINDOW / DOOR SPECIFICATION NOTES: Window Frame Finish:				GENERAL WINDOW NO	DTES:				max. 100	max. 1500 mm	10	max. 1500 mm	
Powder-coated Aluminum, min 50 microns, to SABS All aluminum frames to be from the Sheerline Range. • <u>Window Description: Type A</u> 44mm, Heavy Duty powdercoated aluminum caseme • <u>Window Description: Type B</u>	nt type window system with top hung opening window se	ctions.		The manufacturer is to ca The manufacturer is All aluminum frame sizes	-	the wind loading & the glazing thic rings for the architects app dards.		cture.					
 <u>Door Description: Type C</u> 44mm, Heavy Duty exterior quality powdercoated alu edges. 	nt type window system with top hung opening window seminum sliding folding type glazed doors, with safety glas	ss panes. Restrict air leakage by fitting rubbe		 <u>Fixing</u> Installation shall be such approved silicone sealan <u>Sealing</u> All corners mitred to form 	that the installed products are t on the outside. Quality assure n close joints, fixed with stainle	securely anchored using stainless ance shall be in accordance with the ss steel self tapping screws to AAI	he AAAMSA. Allow for com MSA stds. All aluminum join	pensation channels. ts to be sealed					
 44mm, Heavy Duty exterior quality powdercoated alu BRASS ROLLERS TO BE INSTALLED. <u>Window Furniture: Type A</u> S/S friction stays to suit the window frame opening si 	minum sliding type glazed door, all in safety glass panes. ze.	. Restrict air leakage by fitting rubber compres	ssible seals at door edges.	Seal with matching silicon 10x10mm fillet of clear si windows. · <u>Performance</u>	ne sealer between the aluminu licone sealant to the external p	ation, to form water tight joint betw im and building structure, to be air perimeter of all window units. Allow	tight. Contractors shall allov v for waterproofing at head a	v for a maximum		12 min TOUGHENED SAF 1000mm High FROM SPEACIALIST TO ENGINE ALL TO COMPLY WITH S 10mm GAP BETWEEN		12 mm TOUGHENED SAFETY GLASS, 1000mm HIGH FROM FFL, BY SPEACALIST TO ENGINEERS SPEC. ALL TO COMPLY WITH SANS 10 400 10mm GAP BETWEEN PANELS, 5mm FILLET TO EXPOSED GLASS	
Black Epoxy coated handles to be included. • <u>Door Furniture: Type B</u> 2 x pair of stainless steel recessed hinges fitted to ea Stainless steel Lever Door handles to be installed to • <u>Door Furniture: Type C</u> Sliding doors: Track & rails to be s/s to suit the sliding	rame as per the manufacturers specifications.			Glazing to be carried out setting blocks. Glass to r Manufacture to check win Complete system shall m application.	in accordance with SANS 104 est on setting blocks on specifind-loading for glass thickness. neet or exceed the requirement	ts of AAAMSA and the design load	tention to size limitations ar ere with bead. ding determination by SABS	0160 for this		10mm GAP BETWEEN 5mm FILLET TO EXPOS CORNERS.	SED GLASS	Jumm GAP BETWEEN PANELS, 5mm FILLET TO EXPOSED GLASS CORNERS.	
Black Epoxy coated recessed handles & locks to be i BRASS ROLLERS TO BE INSTALLED. • <u>Door Furniture: Type D</u> Folding Sliding doors: Track & rails to be s/s to suit the Handles & locks to be included as per manufacturers	ncluded as per manufacturers specifications. e door system & opening size. specifications.			Glazing shall be executed building regulations part A warranty is to be provic product against delamina · <u>Glazing Beads:</u>	n, SABS 0137, SABS 0400, S ded that the manufacturer of th ation and colour degradation fo	glass manufacturer's recommenda ABS 1263, and AAAMSA selection e laminated safety glass and/or th or a period of not less than 5 (five)	n guide for safety glazing ma e hermetically sealed glazir	aterials.					
Recessed s/s flush bolts to be fitted to the inactive do BRASS ROLLERS TO BE INSTALLED. • <u>Glazing Type: Type A</u> Monolithic annealed glass, thickness to comply with S		inels.		Rubber gaskets to all doo <u>Protection of frames :</u>	to match frame. between glazing & glazing bea ors & opening window sections protective taping & wrapped in	5.					CATING EXTENT OF RC RECESS	SBELOW 4 44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
 <u>Glazing Type: Type B</u> Normal strength (NS) laminated (PVB) safety glass, t 	o comply with SANS 1263 Part 1. Tinted laminated glass		as per the manufacturer's spec	ifications.			I DETAIL 01 FRAMELESS GLASS ELEVATION DETAIL TO SPECIALIST DETA						

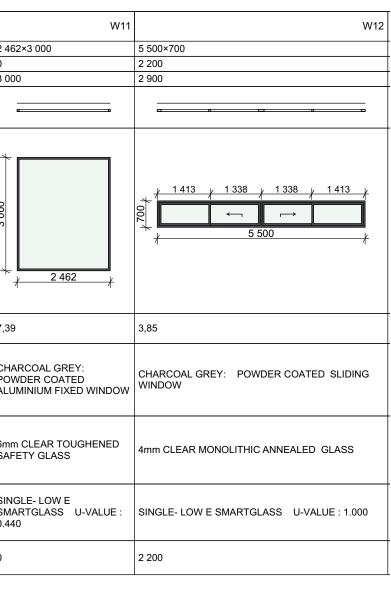
					<u> </u>														
Window Number W x H Size Window sill heigh Window head heig PLAN		GH-W02 1 531×2 050 950 3 000	7 450×700 1 600 2 300		1 600 2 300		W02	2 2 261×3 000 0 3 000	W03 2 822×3 000 0 3 000	W04 1 000×3 000 0 3 000		W06 5 629×700 1 100 1 800	idow List	1 05 1 75		08 1 500×1 500 900 2 400	W09 1 372×3 000 0 3 000		00 2 46 0 3 00
ELEVATION		050 2 4 1531 4	1 300 / 1 191 001 ← /	<u>} 1 233 </u> } <u>1 233</u> <u>} 1 187</u> ← 7 450		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		000 m + 2 261		3000 + 1038 + 1038 + 1038 + 1038 + 1000] ↓ 1 445 001 ↓ ↓	<u>1 370</u> <u>1 370</u> ← <u></u> → 5 629	× 1445 002 *					2 462
Surface Area		3,14	5,22		4,04			6,78 CHARCOAL GREY:	8,46 CHARCOAL GRE					1,40			4,12 CHARCOAL GF		7,39
				WDER COATED ALUMINIUM	FIXED WINDOW FIXE	RCOAL GREY: POWDEF D WINDOW		POWDER COATED ALUMINIUM FIXED WINDOW 6mm CLEAR TOUG	POWDER COATE ALUMINIUM FIXEI WINDOW	D ALUMINIUM FIX PANE WITH SIE WINDOW	ED ALUMINIUM FIXED WITH SIDE HUNG WINDOW 6mm CLEAR	D PANE WINDOW	REY: POWDER COAT	POV HUN	ARCOAL GREY: WDER COATED TOP NG WINDOW 	CHARCOAL GREY: POWDER COATED SLIDING WINDOW	POWDER COA ALUMINIUM FIX WINDOW 6mm CLEAR TO	red (ed	CH/ PO\ ALL
GLAZING GLASS DESCRIPTION			6mm CLEAR TOUGHENE SINGLE- LOW E SMARTC			CLEAR TOUGHENED SA		SAFETY GLASS SINGLE- LOW E SMARTGLASS U-1	SAFETY GLASS SINGLE- LOW E VALUE : SMARTGLASS U	J-VALUE : SMARTGLASS	GLASS E SINGLE- LOW E U- SMARTGLASS L	J-VALUE SINGLE- LOW	E SMARTGLASS U-V	ANN	NEALED GLASS GLE- LOW E ARTGLASS U-VALUE	POWDER COATED SLIDING WINDOW SINGLE- LOW E SMARTGLASS U-V	SAFETY GLASS SINGLE- LOW I ALUE : SMARTGLASS	5 	SAF SAF SIN SM
W/D Sill Height on Reveal Side	the 	950	1 600		1 60)		0.590	0.590	0 VALUE : 0.440	: 0.440	1 100		1.00		900	0.440	0	0.44
Window Number W x H Size Window sill heigh Window head heig	t 1 600 0	W14 300×3 000	_	2×2 600	W16 2 451×2 600 500 3 100	W17 7 133×2 600 500 3 100)		W18 900×3 050 0 3 050	W19 2 053×700 1 600 2 300	W20 3 345×2 750 500 3 250	() 3 250	N22 1 031×3 050 0 3 050	W23 2 300×3 00 0 3 000	W24 00 1 500 250 3 250	W25		
PLAN							 , → ← 7.13												TIMBER NOTES / INTERNAL 2 Lever m to Archited 3 Lever m to Archited
Surface Area	POWDER AL COATED W	0 IARCOAL GREY: WDER COATED UMINIUM FIXED PANE TH SIDE HUNG	COATED COA	ARCOAL GREY: POWDER	6,37 CHARCOAL GREY POWDER COATED ALUMINIUM FIXED	WINDOW CHARCOAL	. GREY: POWDER CO,	ATED SLIDING WINDO		TED POWDER CO	ATED	GREY: POWDER	I,29 CHARCOAL GREY: OWDER COATED ALUMINIUM FIXED WINDOW WITH SIDE	3,14 CHARCOAL GREY POWDER COATE ALUMINIUM FIXE	D POWDER D ALUMINIU	COATED POW M FIXED WITH	RCOAL GREY: DER COATED MINIUM FIXED PANE I SIDE HUNG		HARDWO 1 Coat wo coats glos interior de
GLAZING	4mm CLEAR MONOLITHIC 6m	m CLEAR TOUGHENED FETY GLASS	FIXED WINDOW	n CLEAR TOUGHENED SAF	ETY 6mm CLEAR TOUC SAFETY GLASS		R TOUGHENED SAFETY	GLASS	4mm CLEAR M ANNEALED G	ONOLITHIC 4mm CLEAR I	MONOLITHIC 6mm CLEAR	TOUGHENED	IUNG WINDOW	IED 4mm CLEAR MON ANNEALED GLAS	IOLITHIC SS 6mm CLEA	AR TOUGHENED	CLEAR GHENED SAFETY		GLOSS E 1 Coat wo coats glos
GLASS DESCRIPTION W/D Sill Height on Reveal Side	SINGLE- LOW E SII SMARTGLASS SN U-VALUE : 0.370 0.4	IARTGLASS U-VALUE :		GLE- LOW E SMARTGLASS UE : 0.590	U- SINGLE- LOW E SMARTGLASS U 0.440 500	-VALUE : SINGLE- LO 500	W E SMARTGLASS U	-VALUE : 0.590	SINGLE- LOW SMARTGLASS 1.000 0	E U-VALUE : SINGLE- LOW SMARTGLAS 1.000 1 600	SINGLE- LOV U-VALUE : SINGLE- LOV U-VALUE : 0.5	SOO	SINGLE- LOW E SMARTGLASS U-VAL 1.000	UE : SINGLE- LOW E SMARTGLASS U 1.000 0	J-VALUE : SINGLE- L SMARTGL 1.1900 0	OW E SING ASS U-VALUE : SING : 1.00 250	SLE- LOW E RTGLASS U-VALUE 00		
DC	OR	SC	HE	DUL	E														
DOOR NUMBER W x H Size	D01 2 000×3 000	D02 900×2 400	D03 1 800×3 000	D03 900×2 100	D03 900×2 400	D04 900×2 100	D04 900×2 400	D05 900×2 100	D06 900×3 050		D08 6 016×3 000		D09 5 566×3 000)		D10 4 086×3 000	D' 4.	1 148×3 000	
AREA Door head height PLAN	6,00 3 000	2,16 2 400	5,40 3 000	1,89 2 100	2,16	1,89 2 100	2,16 2 400	1,89 2 100	2,75 3 050		18,05 3 050		16,70 3 050			12,26 3 050		,35)50 I — –	1
] [†]		*				*
ELEVATION		HARDWOOD		HARDWOOD TIME	HARDWOOD TIMBER RAISED	HARDWOOD TIMBER RAISED &	HARDWOOD TIMBER RAISED &	HARDWOOD TIMBER RAISED	A HARDWOOD TIMBER	GLAZING: 6mm		F→ 6 016		5 566	← 000 3.300 + +	↓ ↓ ← ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	m m	 ↓ 4 44	48 +8 +
DOOR LEAF INFORMATION		TIMBER RAISED FEILDED SOLID FLUSH PANEL DOOR 1 Coat wo primer, 1 universa undercoat and 2 coats gloss enam paint in approved colour	od HORIZONTAL SLAT al SOLID TIMBER PIV ENTRANCE DOOR	OD TED OT COT COT COT COT COT COT COT COT COT	D FEILDED HOLLO CORE FLUSH PANEL INTERNAL DOOR 1 Coat wo primer, 1 universa undercoat and 2 coats gloss enam	 FEILDED HOLLOW CORE FLUSH PANEL INTERNAL DOOR 1 Coat wood primer, 1 universal undercoat and 2 	FEILDED HOLLOW CORE FLUSH PANEL INTERNAL DOOR 1 Coat wood primer, 1 universal undercoat and 2 coats gloss enamel paint in approved colour	 FEILDED HOLLON CORE FLUSH PANEL INTERNAL SLIDING DOOR Coat wood primer, universal undercoat 	W RAISED & FEILDED HOLLOW CORE L FLUSH PANEL 1 INTERNAL DOOR 1 c, 1 Coat wood primer, 1 universal undercoat au	CLEAR TOUGHENED SAFETY GLASS SIDE HUNG DOOR - GLASS DESCRIPTION: DOUBLE- LOW E SMARTGLASS	GLAZING: 6mm CLEAR TOU ALL PANES IN 3 EQ. LEAVE SINGLE- LOW E SMARTGL/	ES -GLASS DESCRIPTIO	GLASS TO GLASS TO	Omm CLEAR TOUGHEN ALL PANES IN 3 EQ. L ON: SINGLE- LOW E S 90	EAVES -GLASS	GLAZING: 6mm CLEAR SAFETY GLASS TO ALI LEAVES -GLASS DESC LOW E SMARTGLASS	L PANES IN 3 EQ. GI RIPTION: SINGLE- G	AZING: 6mm CLEAR T ASS TO ALL PANES IN ASS DESCRIPTION: S MARTGLASS U-VALU	N 2 EQ. LEAVES - SINGLE- LOW E
DOOR NUMBER	D13 5 460×3 000		D14		D14 4 209×3 000		D15 2 930×3 000	D16	4×3 000	D17		D18	D19	0×3 000			GATE 2 900×2 100	GATE 3 900×2 100	GD 02 6 000×2 900
AREA Door head height	16,38 3 050		12,21 3 050		12,63 3 050	8	8,79 3 050	11,65 3 050	5	11,65 3 050		10,54 3 050	14,6 3 05	7		2,70 3 000	1,89	1,89	17,40 2 900
PLAN			·						\										
ELEVATION	3000	r→ 5 460		L→ 000 € 4 069 ¥		000 209 +	r→ 2 930	3 000	3 884	/	r→ 000 m 3 884 /	∑	← 000 5 / /	←	3000				X
DOOR LEAF INFORMATION	GLAZING: 6mm CLEAR TO ALL PANES IN 4 EC DESCRIPTION: SINGLI VALUE : 1.190	. LEAVES -GLASS	S U- LEAVES -GLAS	n CLEAR TOUGHENED S TO ALL PANES IN 3 EQ. S DESCRIPTION: SINGLE GLASS U-VALUE : 1.190	GLAZING: 6mm CLE/ SAFETY GLASS TO / LEAVES -GLASS DE LOW E SMARTGLAS	AR TOUGHENED 1 ALL PANES IN 2 EQ. 4 SCRIPTION: SINGLE- 0 S U-VALUE : 1.190 L	GLAZING: 6mm CLEAF TOUGHENED SAFETY ALL PANES IN 2 EQ. L GLASS DESCRIPTION LOW E SMARTGLASS 1.190	GLASS TO GLAZ EAVES - SAFE SINGLE- LEAV	ZING: 6mm CLEAR TOUGH ETY GLASS TO ALL PANES /ES -GLASS DESCRIPTION / E SMARTGLASS U-VALI	SIN 3 EQ. SAFETY GL SINGLE- LEAVES -GL	mm CLEAR TOUGHENED ASS TO ALL PANES IN 2 EG ASS DESCRIPTION: SINGL RTGLASS U-VALUE : 1.19	.EGLASS DESCRIP	FETY GLASS GLA 2 EQ. LEAVES GLA TION: SINGLE- GLA	ZING: 6mm CLEAR TO SS TO ALL PANES IN 3 SS DESCRIPTION: SIN RTGLASS U-VALUE	3 EQ. LEAVES - NGLE- LOW E				AUTOMATED ALUMIN SPECIALIST DETAIL
 <u>Window Frame</u> Powder-coated A All aluminum fram <u>Window Descrin</u> 44mm, Heavy Du <u>Window Descrin</u> 44mm, Heavy Du <u>Door Description</u> 44mm, Heavy Du <u>Door Description</u> 44mm, Heavy Du edges. Compensation cl <u>Door Description</u> 44mm, Heavy Du 	Aluminum, min 50 micrones to be from the Shotion: Type A aty powdercoated alument otion: Type B aty powdercoated alument ity powdercoated alument ity powdercoated alument n: Type C aty exterior quality powent annels to be installed n: Type D aty exterior quality powent S TO BE INSTALLED	ons, to SABS 1578 eerline Range. ninum casement typ ninum casement typ vdercoated aluminur at the head of all do vdercoated aluminur	e window system wit e window system wit n sliding folding type por frames for the pu	ur: be Charcoal grey p h top hung opening wir h top hung opening wir e glazed doors, with sa rposes of deflection, as door, all in safety glass	ndow sections. ndow sections and fix afety glass panes. Re s per the manufactur	estrict air leakage by e	RASS ROLLERS T	O BE INSTALLE	door D. S.	The manufacturer is to The manufacturer All aluminum frame size All glazed edges to be p <u>Fixing</u> installation shall be such approved silicone sealar <u>Sealing</u> All corners mitred to for 100%. Whole unit to be Seal with matching silic 10x10mm fillet of clear vindows.	OTES: omply with SANS 1040 carry out on site verifica is to produce sho es to comply with AAAN polished to reduce the p h that the installed proc ant on the outside. Qual m close joints, fixed wit sealed with silicon, after one sealer between the silicone sealant to the e	ations of the wind los p drawings for ISA standards. bossibility of thermal ducts are securely and ity assurance shall b th stainless steel sel er installation, to form aluminum and build	the architects breakage. nchored using stain be in accordance w f tapping screws to m water tight joint I ding structure, to b	approval prior nless steel or alumi vith the AAAMSA. A AAMSA stds. All a between brickwork/ e airtight. Contracto	to manufactur inum screws and s Allow for compens aluminum joints to concrete/steel & f ors shall allow for	sealed with an ation channels. be sealed frame. a maximum	i ma 10		max. 1500 mm
S/S friction stays Black Epoxy coa • <u>Door Furniture:</u> 2 x pair of stainle Stainless steel L • <u>Door Furniture:</u> Sliding doors: Tr Black Epoxy coa BRASS ROLLEI • <u>Door Furniture:</u> Folding Sliding d Handles & locks	to suit the window fra ted handles to be inclu- <u>Type B</u> ss steel recessed hin ever Door handles to b <u>Type C</u> ack & rails to be s/s to ted recessed handles RS TO BE INSTALLE <u>Type D</u> oors: Track & rails to b to be included as per	uded. ges fitted to each do be installed to frame suit the sliding door & locks to be includ D . be s/s to suit the doo manufacturers spec	as per the manufact system & opening s ed as per manufactur or system & opening s ifications.	urers specifications. ize. rers specifications.					((() () () () () () () () ()	Glazing to be carried or setting blocks. Glass to Manufacture to check w Complete system shall application. Glazing shall be execut ouilding regulations par A warranty is to be prov product against delamin <u>Glazing Beads:</u> Aluminum glazing bead		ANS 10400:2010, P on specific glazing ta ickness. uirements of AAAM ce with glass manuf 0400, SABS 1263, urer of the laminated dation for a period o	art N, with particula ables and will not in SA and the design facturer's recomme and AAAMSA sele I safety glass and/	ar attention to size nterfere with bead. loading determinat endations and all in ction guide for safe or the hermetically	limitations and pa tion by SABS 016 accordance with ety glazing materia	0 for this the national als.			12 mm TOUGHENED SAFETY GLU 1000mm HIGH FROM FFL, BY SPEACIALIST TO ENGINEERS SP ALL TO COMPLY WITH SANS 10. 100mm GAP BETWEEN PANELS 5mm FILLET TO EXPOSED GLA CORNERS.
• <u>Glazing Type: 1</u> Monolithic annea • <u>Glazing Type: 1</u>	TYPE A led glass, thickness to ype B	D. comply with SANS	10400:2012 Part N.	Single Low E - Tinted	glass panels.				E F · /	Black neoprene gaskets Rubber gaskets to all d <u>Protection of frames :</u> All frames supplied with <u>Cleaning of windows:</u>	s between glazing & gla oors & opening window i protective taping & wra	sections. apped in plastic.							
Normal strength	(NS) laminated (PVR)	safety glass, to com	uply with SANS 1263	Part 1. Tinted laminate	ed glass panels				1	windows to be cleaned	as per the manufacture	a specifications.						FRAMELES	13 GLADD EL

					• — —																			
Window Number W x H Size Window sill height Window head heigh PLAN	GH-W01 2 050 t)	GH-W02 1 531×2 050 950 3 000	7 450×700 1 600 2 300		W01 5 778 1 600 2 300			2 261×3 000 0 3 000	0 3 0	322×3 000	1 000×3 000 0 3 000	W05 1 500×1 900 1 100 3 000	W06 5 629×700 1 100 1 800	dow List	1 0: 1 7:		8 1 500×1 500 900 2 400	W09 1 372×3 000 0 3 000		3 000	2 40 0 3 00			
					<u>+ 1 305 + </u> +	996 ₁ 971 ₁ 977 ₁						900 + + + + + + + + + + + + + + + + + + +	1445			× 1000 × 1000 ×					000 ×			
ELEVATION			k □ 1 · 1	7 450		1993 / 1893 1993 / 1893 1 5 778		× 2 261	1 1	2 822	+ + 1000 +		×	5 629		<u>}</u> <u>}</u> 2000 <u>}</u>	↓ 1500 <i>k</i>		1 1	2 462 ¥	* 30			
Surface Area		3,14	5,22 CHARCOAL GREY: POWE	DER COATED ALUMINIUM F	4,04 FIXED WINDOW CHAF	RCOAL GREY: POWDE	R COATED ALUMINIUM	6,78 CHARCOAL GRI POWDER COAT ALUMINIUM FIX WINDOW	ED PO ED ALU	I6 HARCOAL GREY: WDER COATED UMINIUM FIXED NDOW	3,00 CHARCOAL GREY: POWDER COATED ALUMINIUM FIXED PANE WITH SIDE H WINDOW	2,85 CHARCOAL GREY: POWDER COATED ALUMINIUM FIXED F WITH SIDE HUNG WINDOW	3,94 PANE CHARCOAL G WINDOW	REY: POWDER COATI	ED SLIDING PO	0 ARCOAL GREY: WDER COATED TOP NG WINDOW	2,25 CHARCOAL GREY: POWDER COATED SLIDING WINDOW	4,12 CHARCOAL GF POWDER COA ALUMINIUM FI WINDOW	TED		7,39 CHA POV ALU			
GLAZING			6mm CLEAR TOUGHENED \$	SAFETY GLASS	6mm	CLEAR TOUGHENED SA	AFETY GLASS	6mm CLEAR TO SAFETY GLASS		IM CLEAR TOUGHEN		6mm CLEAR	TY 4mm CLEAR M	ONOLITHIC ANNEALED		m CLEAR MONOLITHIC NEALED GLASS	CHARCOAL GREY: POWDER COATED SLIDING WINDOW	6mm CLEAR T SAFETY GLAS			6mr SAI			
GLASS DESCRIPTION			SINGLE- LOW E SMARTGLA	ASS U-VALUE : 1.000	SING	LE- LOW E SMARTGLAS	SS U-VALUE : 1.000	SINGLE- LOW E SMARTGLASS 0.590	U-VALUE : SM	NGLE- LOW E MARTGLASS U-VAL 590	UE : SINGLE- LOW E SMARTGLASS U- VALUE : 0.440	SINGLE- LOW E SMARTGLASS U-V : 0.440	ALUE SINGLE-LOW	E SMARTGLASS U-VA	ALUE : 1.000 SIN 5M 1.00	IGLE- LOW E ARTGLASS U-VALUE 00	SINGLE- LOW E SMARTGLASS U-V/ 1.000	ALUE : SINGLE- LOW SMARTGLASS 0.440	E U-VALUE :		SIN SM 0.4			
W/D Sill Height on th Reveal Side Window Number	e 	950 W14	1 600 W15		1 600 W16	W17		0	0 		0 W19	1 100 W20	1 100 W21	Ŵ	1 0. V22	50 W23	900 	0 	0		0			
W x H Size Window sill height Window head heigh	800×700 1 3 1 600 0 t 2 300 3 0	000×3 000	1 270×3 050 3 412× 0 500 3 050 3 100		2 451×2 600 500 3 100	7 133×2 600 500 3 100	0			900×3 050 0 3 050	2 053×700 1 600 2 300	3 345×2 750 500 3 250		321×3 250	1 031×3 050 0 3 050	2 300×3 00 0 3 000	0 1 5002 250 3 250							
PLAN				 			→ ← 7 133			2 348 + 702 + 300			€							TIMBE NOTE INTERI 2 Lever to Arch EXTER 3 Lever to Arch	SA NAI r m iiteo RNA r m			
Surface Area	POWDED PO	IARCOAL GREY: WDER COATED		COAL GREY: POWDER	6,37 CHARCOAL GREY: POWDER COATED					2,75 CHARCOAL GREY: POWDER COATED	1,44 CHARCOAL GREY	9,20		,29 CHARCOAL GREY: POWDER COATED	3,14 CHARCOAL GRE POWDER COATE	6,90 Y: CHARCOA	POWE	COAL GREY: DER COATED		HARDV 1 Coat coats g	WO wo			
GLAZING	COATED ALUMINIUM TOP HUNG WINDOW 4mm CLEAR MONOLITHIC 6m	UMINIUM FIXED PANE TH SIDE HUNG NDOW	COATED COATE ALUMINIUM FIXED WINDOW	LEAR TOUGHENED SAFE	ALUMINIUM FIXED WITH TOP HUNG F		L GREY: POWDER COA			ALUMINIUM FIXED F WITH TOP HUNG W 4mm CLEAR MONOI	LITHIC 4mm CLEAR MON	OLITHIC 6mm CLEAR TC		ALUMINIUM FIXED VINDOW WITH SIDE HUNG WINDOW	ALUMINIUM FIXE WINDOW	D ALUMINIUI WINDOW	R TOUGHENED	IINIUM FIXED PANE SIDE HUNG OW CLEAR CLEAR SHENED SAFETY		interior GLOSS 1 Coat	de: S El			
GLASS	ANNEALED GLASS SINGLE- LOW E SMARTGLASS SM	FETY GLASS NGLE- LOW E IARTGLASS U-VALUE :	SINGLE- LOW E SMARTGLASS	E- LOW E SMARTGLASS	SMARIGLASS U-		DW E SMARTGLASS U-			ANNEALED GLASS SINGLE- LOW E SMARTGLASS U-V	SINGLE- LOW E /ALUE : SMARTGLASS L		SMARTGLASS	SAFETY GLASS SINGLE- LOW E SMARTGLASS U-VALU	ANNEALED GLA JE : SINGLE- LOW E SMARTGLASS	SS SAFETY G SINGLE- L U-VALUE : SMARTGL/	LASS GLAS GLAS OW E SINGL ASS U-VALUE : SMAR	S LE- LOW E RTGLASS U-VALUE		coats g	los			
W/D Sill Height on th Reveal Side	U-VALUE : 0.370 0.4 e 1 600 0	-40	0 500		0.440 500	500				0	1.000	500		.000	0	0	250	0						
DO	OR	SC	HEC	DUL	E																· — ·			
	D01 2 000×3 000	D02 900×2 400	D03 1 800×3 000	D03 900×2 100	D03 900×2 400	D04 900×2 100	D04 900×2 400	D05 900×2 100	D06 900×3 (007 D08 00×3 050 6 01	6×3 000		D09 5 566×3 000		C	D10 4 086×3 000		11 448×3 000					
	6,00 3 000	2,16 2 400	5,40 3 000	1,89 2 100	2,16	1,89 2 100	2,16	1,89 2 100	2,75 3 050		75 18,0 050 3 05			16,70 3 050			2,26 3 050 =		3,35 050	1				
									1*							*					*			
ELEVATION	2 000	HARDWOOD		2 000 000 000 000 000 000 000 0	HARDWOOD	HARDWOOD	HARDWOOD	HARDWOOD	1	3020					5 566	3000	↓ 4 086	3000		448 ¥	3 000			
DOOR LEAF INFORMATION		TIMBER RAISED FEILDED SOLID FLUSH PANEL DOOR 1 Coat wo primer, 1 universa undercoat and 2 coats gloss enam paint in approved colour	od STAINED HARDWOOD HORIZONTAL SLATTE SOLID TIMBER PIVOT ENTRANCE DOOR		FEILDED HOLLOW CORE FLUSH PANEL INTERNAL DOOR 1 Coat woo primer, 1 universal undercoat and 2 coats gloss ename	CORE FLUSH PANEL INTERNAL DOOR 1 Coat wood primer, 1 universal undercoat and 2	d CORE FLUSH PANEL INTERNAL DOOR 1 Coat wood primer, 1 universal undercoat and 2	TIMBER RAIS FEILDED HOL CORE FLUSH PANEL INTER SLIDING DOO Coat wood prin universal unde and 2 coats glo enamel paint ir approved colou	LOW RAISEI HOLLO NAL FLUSH DR 1 INTER mer, 1 Coat we vercoat univers pss 2 coats n paint in	VOOD TIMBER D & FEILDED TW CORE H PANEL NAL DOOR 1 vood primer, 1 sal undercoat and s gloss enamel	SIDE HUNG DOOR - ALL	ZING: 6mm CLEAR TOUG PANES IN 3 EQ. LEAVES GLE- LOW E SMARTGLAS	-GLASS DESCRIPTION	GLASS TO GLASS TO A	mm CLEAR TOUGHE ALL PANES IN 3 EQ. 1 ON: SINGLE- LOW E 3 90	LEAVES -GLASS S SMARTGLASS U- L	GLAZING: 6mm CLEAR SAFETY GLASS TO ALL EAVES -GLASS DESCF .OW E SMARTGLASS	. PANES IN 3 EQ. G RIPTION: SINGLE- G	GLAZING: 6mm CLEAF GLASS TO ALL PANES GLASS DESCRIPTION MARTGLASS U-VAI	IN 2 EQ. LEAVES - SINGLE- LOW E	ETY			
DOOR NUMBER W x H Size	D13 5 460×3 000		D14 4 069×3 000		D14 4 209×3 000	Door List	D15 2 930×3 000	D' 3	16 884×3 000		D17 3 884×3 000		D18 3 515×3 000	D19 4 890	×3 000		GATE 1 900×3 000	GATE 2 900×2 100	GATE 3 900×2 100	GD 02 6 000×2 900				
AREA Door head height PLAN	16,38 3 050		12,21 3 050		12,63 3 050		8,79 3 050		1,65 050		11,65 3 050		10,54 3 050	14,67 3 050			2,70 3 000	1,89 2 185	1,89 2 185	17,40 2 900				
						*			*		1 [
ELEVATION	3000	r→ 5 460		→ 000 m 4 069 /	→ <u> </u> <u> </u>	000 1000 1000 1000	→ 2 930	3000	3000	3 884	★ ★	3 884 ¥	<u>∤</u> 3.51		4 890	, in the second	3000	4 000 × 100	5 100 × 100 ×	<u>⊀</u>				
DOOR LEAF INFORMATION	GLAZING: 6mm CLEAR TO ALL PANES IN 4 EQ DESCRIPTION: SINGLE VALUE : 1.190	. LEAVES -GLASS	S U- LEAVES -GLASS	CLEAR TOUGHENED TO ALL PANES IN 3 EQ. DESCRIPTION: SINGLE- LASS U-VALUE : 1.190	GLAZING: 6mm CLEA SAFETY GLASS TO A LEAVES -GLASS DES LOW E SMARTGLASS	R TOUGHENED LL PANES IN 2 EQ. CRIPTION: SINGLE-	GLAZING: 6mm CLEAR TOUGHENED SAFETY ALL PANES IN 2 EQ. LE GLASS DESCRIPTION: LOW E SMARTGLASS 1.190	GLASS TO G AVES - S/ SINGLE- LE	AFETY GLASS 1 EAVES -GLASS	CLEAR TOUGHENEI TO ALL PANES IN 3 DESCRIPTION: SIN LASS U-VALUE : 1	EQ. SAFETY GLASS IGLE- LEAVES -GLASS	CLEAR TOUGHENED TO ALL PANES IN 2 EQ. DESCRIPTION: SINGLE- SLASS U-VALUE : 1.190	GLAZING: 6mm C TOUGHENED SA TO ALL PANES IN -GLASS DESCRIP LOW E SMARTGL VALUE : 1.190	FETY GLASS GLAZ 2 EQ. LEAVES GLAS TION: SINGLE- GLAS	ZING: 6mm CLEAR TO SS TO ALL PANES IN SS DESCRIPTION: SII RTGLASS U-VALUE	3 EQ. LEAVES - NGLE- LOW E				AUTOMATED ALU SPECIALIST DET				
· <u>Window Frame F</u>			/1·1993 specs. Colour:	be Charcoal grey po	wdercoated						ERAL WINDOW NOT							i ma 10		max. 1500 mm				
<u>Window Descript</u> 44mm, Heavy Dut <u>Window Descript</u>	Powder-coated Aluminum, min 50 microns, to SABS 1578/1:1993 specs. Colour: be Charcoal grey powdercoated. All aluminum frames to be from the Sheerline Range. • <u>Window Description: Type A</u> 44mm, Heavy Duty powdercoated aluminum casement type window system with top hung opening window sections. • <u>Window Description: Type B</u> 44mm, Heavy Duty powdercoated aluminum casement type window system with top hung opening window sections and fixed panels.								The r The All al	ng installation to com manufacturer is to car manufacturer is uminum frame sizes to azed edges to be polis														
Door Description 44mm, Heavy Dut edges. Compensation cha Door Description 44mm, Heavy Dut	<u>Type C</u> / exterior quality pow nnels to be installed <u>Type D</u> / exterior quality pow	vdercoated aluminur at the head of all d vdercoated aluminur	n sliding folding type g oor frames for the purp n sliding type glazed do	glazed doors, with saf oses of deflection, as	ety glass panes. Reported by glass panes. Reported by the manufacture	strict air leakage by ers specifications. B	RASS ROLLERS TO	O BE INSTALL	_ED.	· <u>Fixi</u> Insta appro · <u>Sea</u> All co 100%	<u>ng</u> llation shall be such th oved silicone sealant o	at the installed produ on the outside. Quality close joints, fixed with aled with silicon, after	cts are securely a assurance shall l stainless steel sel installation, to for	nchored using stain be in accordance w f tapping screws to n water tight joint b	ith the AAAMSA. A AAMSA stds. All a between brickwork	Allow for compensa aluminum joints to /concrete/steel & fi	ation channels. be sealed rame.							
 Window Furniture S/S friction stays to 	TO BE INSTALLED <u> :: Type A</u> o suit the window fra d handles to be inclu	me opening size.								10x1 windo · <u>Per</u>	0mm fillet of clear silic	one sealant to the exi	ternal perimeter of	all window units. A	llow for waterproc	ofing at head and c				12 mm TOUGHENED SAFE 1000mm HIGH FROM F SPEACOALISIST TO ENGINEE ALL TO COMPLY WITH SA 10mm GAP BETWEEN F 5mm FILLET TO EXPOSE	TY GLA FL, BI ERS SF ANS 10 PANEL			
Door Furniture: T 2 x pair of stainles Stainless steel Lev Door Furniture: T	<u>ype B</u> s steel recessed hing rer Door handles to b ype <u>C</u>	ges fitted to each do be installed to frame	or leaf, to suit the door as per the manufactur	ers specifications.						settir Manı Com	ng to be carried out in ng blocks. Glass to res ufacture to check wind plete system shall me	t on setting blocks on -loading for glass thic	specific glazing ta kness.	ables and will not in	terfere with bead.		-			CORNERS				
Black Epoxy coate BRASS ROLLERS	d recessed handles 5 TO BE INSTALLE I <u>ype D</u>	& locks to be includ D.	system & opening size ed as per manufacture or system & opening siz	rs specifications.						Glazi buildi A wa	cation. ng shall be executed a ing regulations part n, rranty is to be provide uct against delamination	SABS 0137, SABS 04 d that the manufacture	400, SABS 1263, er of the laminated	and AAAMSA selec I safety glass and/c	ction guide for safe or the hermetically	ety glazing materia	ls.							
Handles & locks to Recessed s/s flush BRASS ROLLERS	be included as per in bolts to be fitted to 5 TO BE INSTALLE	manufacturers spec the inactive door lea								- <u>Gla</u> Alum Black Rubb	zing Beads: inum glazing beads to c neoprene gaskets be per gaskets to all doors	o match frame. etween glazing & glazi	ng beads.	- ("						A A A A A A A A A A A A A A A A A A A	⊿ ATIN			
 <u>Glazing Type: Type A</u> Monolithic annealed glass, thickness to comply with SANS 10400:2012 Part N. Single Low E - Tinted glass panels. <u>Glazing Type: Type B</u> Normal strength (NS) laminated (PVB) safety glass, to comply with SANS 1263 Part 1. Tinted laminated glass panels. 										All fra <u>Clea</u> i	• <u>Protection of frames :</u> All frames supplied with protective taping & wrapped in plastic. <u>Cleaning of windows:</u> Windows to be cleaned as per the manufacturer's specifications.								DETAIL 01 FRAMELESS GLASS EL					

inateu giass pa salety glass, to comply with · <u>Glazing Type: Type C</u>

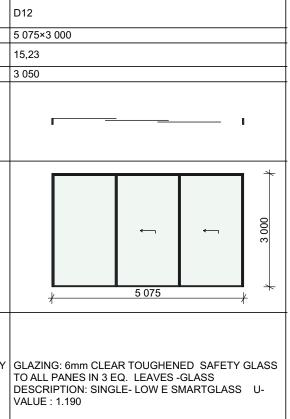
Monolithic annealed glass, thickness to comply with SANS 10400:2012 Part N. - Single Low E glass. All ablution windows to have obscure glazing or a frosted decal internally.

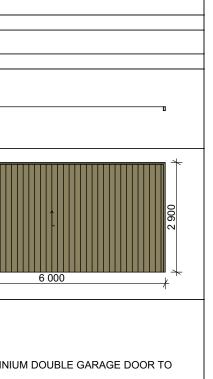
Cleaning hooks to be provided to windows above ground floor level. Installed as per the eng's details.

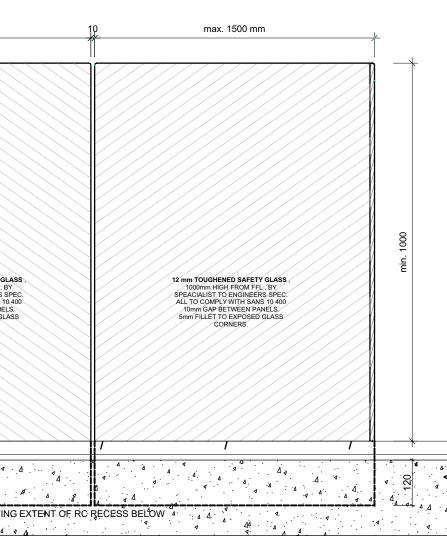


R DOOR SCHEDULE AND SPECIFICATIONS:

IAL DOOR SET :

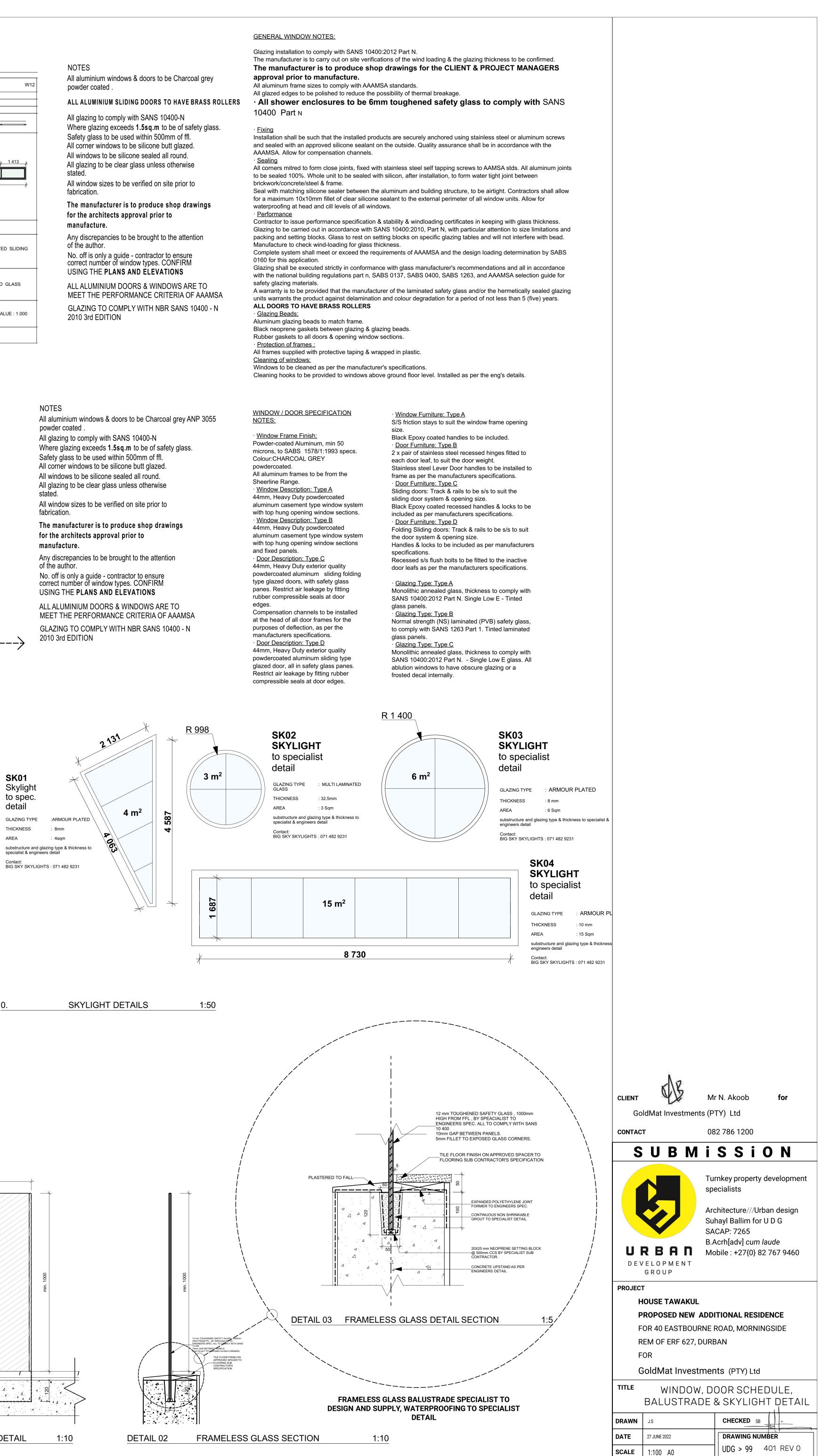






All glazing to comply with SANS 10400-N

ALL ALUMINIUM DOORS & WINDOWS ARE TO MEET THE PERFORMANCE CRITERIA OF AAAMSA GLAZING TO COMPLY WITH NBR SANS 10400 - N





to spec.

THICKNESS