

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: **DYC-A-20**

IA: American Architectural Manufacturers Association

Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.
	00256-00001	"Aluminum Reinforcement (LR/KR): CLR / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	P1-S	Fill 1: AIR(100)	N		CL	0.46	0.61	0.65	45
	00256-00002	"Aluminum Reinforcement (LR/KR): CLR / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	CL	0.46	0.55	0.58	45
	00256-00003	"Aluminum Reinforcement (LR/KR): GRY / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	P1-S	Fill 1: AIR(100)	N		GY	0.46	0.46	0.43	45
	00256-00004	"Aluminum Reinforcement (LR/KR): GRY / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	GY	0.46	0.41	0.38	45
	00256-00005	"Aluminum Reinforcement (LR/KR): BRZ / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	P1-S	Fill 1: AIR(100)	N		BZ	0.46	0.50	0.48	45
	00256-00006	"Aluminum Reinforcement (LR/KR): BRZ / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	BZ	0.46	0.44	0.42	45
	00256-00007	"Aluminum Reinforcement (LR/KR): GRN / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	P1-S	Fill 1: AIR(100)	N		GR	0.46	0.48	0.59	45
	00256-00008	"Aluminum Reinforcement (LR/KR): GRN / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	GR	0.46	0.43	0.53	45
	00257-00001	"Aluminum Reinforcement (LR/KR): CLR / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	CL	0.46	0.55	0.58	45
	00257-00002	"Aluminum Reinforcement (LR/KR): GRY / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	GY	0.46	0.41	0.38	45
	00257-00003	"Aluminum Reinforcement (LR/KR): BRZ / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	BZ	0.46	0.44	0.42	45
	00257-00004	"Aluminum Reinforcement (LR/KR): GRN / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	GR	0.46	0.43	0.53	45
	00258-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.500	P1-S	Fill 1: AIR(100)	N		CL	0.31	0.22	0.51	58
	00258-00002	"Aluminum Reinforcement (LR/KR): E366 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	CL	0.31	0.20	0.45	58
	00258-00003	"Aluminum Reinforcement (LR/KR): GRY / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	N		GY	0.31	0.23	0.34	58
	00258-00004	"Aluminum Reinforcement (LR/KR): GRY / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	GY	0.31	0.21	0.30	58

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	00258-00005	"Aluminum Reinforcement (LR/KR): BRZ / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	N		BZ	0.31	0.25	0.37	58	
	00258-00006	"Aluminum Reinforcement (LR/KR): BRZ / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	BZ	0.31	0.22	0.33	58	
	00258-00007	"Aluminum Reinforcement (LR/KR): GRN / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	N		GR	0.31	0.28	0.47	58	
	00258-00008	"Aluminum Reinforcement (LR/KR): GRN / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	GR	0.31	0.25	0.42	58	
	00259-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	CL	0.33	0.20	0.45	57	
	00259-00002	"Aluminum Reinforcement (LR/KR): GRY / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	GY	0.33	0.21	0.30	57	
	00259-00003	"Aluminum Reinforcement (LR/KR): BRZ / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	BZ	0.33	0.22	0.33	57	
	00259-00004	"Aluminum Reinforcement (LR/KR): GRN / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	GR	0.33	0.25	0.42	57	
	00260-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	N		CL	0.27	0.22	0.51	62	
	00260-00002	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.27	0.20	0.45	62	
	00260-00003	"Aluminum Reinforcement (LR/KR): GRY / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	N		GY	0.27	0.23	0.34	62	
	00260-00004	"Aluminum Reinforcement (LR/KR): GRY / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	GY	0.27	0.21	0.30	62	
	00260-00005	"Aluminum Reinforcement (LR/KR): BRZ / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.27	0.24	0.37	62	
	00260-00006	"Aluminum Reinforcement (LR/KR): BRZ / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	BZ	0.27	0.22	0.33	62	

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	00260-00007	"Aluminum Reinforcement (LR/KR): GRN / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	N		GR	0.27	0.28	0.47	62	
	00260-00008	"Aluminum Reinforcement (LR/KR): GRN / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	GR	0.27	0.25	0.42	62	
	00261-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.29	0.20	0.45	61	
	00261-00002	"Aluminum Reinforcement (LR/KR): GRY / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	GY	0.29	0.21	0.30	61	
	00261-00003	"Aluminum Reinforcement (LR/KR): BRZ / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	BZ	0.29	0.22	0.33	61	
	00261-00004	"Aluminum Reinforcement (LR/KR): GRN / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	GR	0.29	0.25	0.42	61	
	00262-00001	"Aluminum Reinforcement (LR/KR): CLR / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	SS-D	Fill 1: AIR(100)	N		CL	0.47	0.61	0.65	44	
	00262-00002	"Aluminum Reinforcement (LR/KR): CLR / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.47	0.55	0.58	44	
	00262-00003	"Aluminum Reinforcement (LR/KR): GRY / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	SS-D	Fill 1: AIR(100)	N		GY	0.47	0.46	0.43	44	
	00262-00004	"Aluminum Reinforcement (LR/KR): GRY / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	GY	0.47	0.41	0.38	44	
	00262-00005	"Aluminum Reinforcement (LR/KR): BRZ / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	SS-D	Fill 1: AIR(100)	N		BZ	0.47	0.50	0.48	44	
	00262-00006	"Aluminum Reinforcement (LR/KR): BRZ / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	BZ	0.47	0.44	0.42	44	
	00262-00007	"Aluminum Reinforcement (LR/KR): GRN / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	SS-D	Fill 1: AIR(100)	N		GR	0.47	0.48	0.59	44	
	00262-00008	"Aluminum Reinforcement (LR/KR): GRN / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	GR	0.47	0.43	0.53	44	
	00263-00001	"Aluminum Reinforcement (LR/KR): CLR / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.47	0.55	0.58	44	

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	00263-00002	"Aluminum Reinforcement (LR/KR): GRY / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	GY	0.47	0.41	0.38	44	
	00263-00003	"Aluminum Reinforcement (LR/KR): BRZ / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	BZ	0.47	0.44	0.42	44	
	00263-00004	"Aluminum Reinforcement (LR/KR): GRN / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	GR	0.47	0.43	0.53	44	
	00264-00001	"Aluminum Reinforcement (LR/KR): CLR / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VI	2		0.375	SS-D	Fill 1: AIR(100)	N		CL	0.48	0.59	0.63	42	
	00265-00001	"Aluminum Reinforcement (LR/KR): CLR / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VI	2		0.375	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.50	0.53	0.57	42	
	00266-00001	"Aluminum Reinforcement (LR/KR): E270 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.500	SS-D	Fill 1: AIR(100)	N		CL	0.33	0.30	0.55	54	
	00266-00002	"Aluminum Reinforcement (LR/KR): E270 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.33	0.27	0.49	54	
	00266-00003	"Aluminum Reinforcement (LR/KR): GRY / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	N		GY	0.33	0.27	0.37	54	
	00266-00004	"Aluminum Reinforcement (LR/KR): GRY / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GY	0.33	0.25	0.33	54	
	00266-00005	"Aluminum Reinforcement (LR/KR): BRZ / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	N		BZ	0.33	0.29	0.41	54	
	00266-00006	"Aluminum Reinforcement (LR/KR): BRZ / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	BZ	0.33	0.26	0.36	54	
	00266-00007	"Aluminum Reinforcement (LR/KR): GRN / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	N		GR	0.33	0.32	0.50	54	
	00266-00008	"Aluminum Reinforcement (LR/KR): GRN / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GR	0.33	0.28	0.45	54	
	00267-00001	"Aluminum Reinforcement (LR/KR): E270 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.34	0.27	0.49	54	
	00267-00002	"Aluminum Reinforcement (LR/KR): GRY / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GY	0.34	0.25	0.33	54	
	00267-00003	"Aluminum Reinforcement (LR/KR): BRZ / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	BZ	0.34	0.26	0.36	54	

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	00267-00004	"Aluminum Reinforcement (LR/KR): GRN / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GR	0.34	0.28	0.45	54	
	00268-00001	"Aluminum Reinforcement (LR/KR): E270 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.438	SS-D	Fill 1: AIR(100)	N		CL	0.33	0.30	0.54	49	
	00268-00002	"Aluminum Reinforcement (LR/KR): E270 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.33	0.27	0.49	49	
	00269-00001	"Aluminum Reinforcement (LR/KR): E270 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.35	0.27	0.49	49	
	00270-00001	"Aluminum Reinforcement (LR/KR): E270 / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.375	SS-D	Fill 1: AIR(100)	N		CL	0.35	0.29	0.54	51	
	00271-00001	"Aluminum Reinforcement (LR/KR): E270 / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.375	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.39	0.26	0.48	51	
	00272-00001	"Aluminum Reinforcement (LR/KR): E340 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.028(2)	0.500	SS-D	Fill 1: AIR(100)	N		CL	0.32	0.15	0.30	55	
	00272-00002	"Aluminum Reinforcement (LR/KR): E340 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.028(2)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.32	0.14	0.27	55	
	00273-00001	"Aluminum Reinforcement (LR/KR): E340 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.028(2)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.34	0.14	0.27	54	
	00274-00001	"Aluminum Reinforcement (LR/KR): E340 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.028(2)	0.438	SS-D	Fill 1: AIR(100)	N		CL	0.33	0.15	0.30	53	
	00274-00002	"Aluminum Reinforcement (LR/KR): E340 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.028(2)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.33	0.14	0.27	53	
	00275-00001	"Aluminum Reinforcement (LR/KR): E340 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.028(2)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.35	0.14	0.27	53	
	00276-00001	"Aluminum Reinforcement (LR/KR): E340 / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VI	2	0.028(2)	0.375	SS-D	Fill 1: AIR(100)	N		CL	0.35	0.16	0.30	52	
	00277-00001	"Aluminum Reinforcement (LR/KR): E340 / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VI	2	0.028(2)	0.375	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.38	0.14	0.27	52	
	00278-00001	"Aluminum Reinforcement (LR/KR): E340 / AIR / i89 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.028(2), 0.149(4)	0.500	SS-D	Fill 1: AIR(100)	N		CL	0.27	0.14	0.30	43	
	00278-00002	"Aluminum Reinforcement (LR/KR): E340 / AIR / i89 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.028(2), 0.149(4)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.27	0.13	0.27	43	

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20														IA: American Architectural Manufacturers Association		
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Llys	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00279-00001	"Aluminum Reinforcement (LR/KR): E340 / AIR / i89 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.028(2), 0.149(4)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.29	0.13	0.27	43	
	00280-00001	"Aluminum Reinforcement (LR/KR): E340 / AIR / i89 (3MM/5MM) - 3/4" IG"	VI/VI	2	0.028(2), 0.149(4)	0.438	SS-D	Fill 1: AIR(100)	N		CL	0.28	0.14	0.29	41	
	00280-00002	"Aluminum Reinforcement (LR/KR): E340 / AIR / i89 (3MM/5MM) - 3/4" IG"	VI/VI	2	0.028(2), 0.149(4)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.28	0.13	0.26	41	
	00281-00001	"Aluminum Reinforcement (LR/KR): E340 / AIR / i89 (3MM/5MM) - 3/4" IG"	VI/VI	2	0.028(2), 0.149(4)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.30	0.13	0.26	41	
	00282-00001	"Aluminum Reinforcement (LR/KR): E340 / AIR / i89 (5MM/5MM) - 3/4" IG"	VI/VI	2	0.028(2), 0.149(4)	0.375	SS-D	Fill 1: AIR(100)	N		CL	0.29	0.15	0.29	40	
	00283-00001	"Aluminum Reinforcement (LR/KR): E340 / AIR / i89 (5MM/5MM) - 3/4" IG"	VI/VI	2	0.028(2), 0.149(4)	0.375	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.32	0.13	0.26	39	
	00284-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.500	SS-D	Fill 1: AIR(100)	N		CL	0.32	0.22	0.51	55	
	00284-00002	"Aluminum Reinforcement (LR/KR): E366 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.32	0.20	0.45	55	
	00284-00003	"Aluminum Reinforcement (LR/KR): GRY / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	N		GY	0.32	0.23	0.34	55	
	00284-00004	"Aluminum Reinforcement (LR/KR): GRY / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GY	0.32	0.21	0.30	55	
	00284-00005	"Aluminum Reinforcement (LR/KR): BRZ / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	N		BZ	0.32	0.25	0.37	55	
	00284-00006	"Aluminum Reinforcement (LR/KR): BRZ / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	BZ	0.32	0.22	0.33	55	
	00284-00007	"Aluminum Reinforcement (LR/KR): GRN / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	N		GR	0.32	0.28	0.47	55	
	00284-00008	"Aluminum Reinforcement (LR/KR): GRN / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GR	0.32	0.25	0.42	55	
	00285-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.34	0.20	0.45	55	
	00285-00002	"Aluminum Reinforcement (LR/KR): GRY / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GY	0.34	0.21	0.30	55	

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
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City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20															IA: American Architectural Manufacturers Association	
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00285-00003	"Aluminum Reinforcement (LR/KR): BRZ / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	BZ	0.34	0.22	0.33	55	
	00285-00004	"Aluminum Reinforcement (LR/KR): GRN / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GR	0.34	0.25	0.42	55	
	00286-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.438	SS-D	Fill 1: AIR(100)	N		CL	0.33	0.22	0.50	53	
	00286-00002	"Aluminum Reinforcement (LR/KR): E366 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.33	0.20	0.45	53	
	00287-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.35	0.20	0.45	53	
	00288-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.375	SS-D	Fill 1: AIR(100)	N		CL	0.35	0.23	0.50	52	
	00289-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.375	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.38	0.21	0.44	52	
	00290-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / CL-LAMI (3MM/3MM)030 PVB 3MM - 3/4" IG"	VI/VI	2	0.022(2)	0.344	SS-D	Fill 1: AIR(100)	N		CL	0.35	0.22	0.50	48	
	00291-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / CL-LAMI (3MM/3MM)030 PVB 3MM - 3/4" IG"	VI/VI	2	0.022(2)	0.344	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.40	0.20	0.44	48	
	00292-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / i89 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(2), 0.149(4)	0.500	SS-D	Fill 1: AIR(100)	N		CL	0.27	0.22	0.50	43	
	00292-00002	"Aluminum Reinforcement (LR/KR): E366 / AIR / i89 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(2), 0.149(4)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.27	0.20	0.44	43	
	00293-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / i89 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(2), 0.149(4)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.29	0.20	0.44	43	
	00294-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / i89 (3MM/5MM) - 3/4" IG"	VI/VI	2	0.022(2), 0.149(4)	0.438	SS-D	Fill 1: AIR(100)	N		CL	0.28	0.22	0.49	41	
	00294-00002	"Aluminum Reinforcement (LR/KR): E366 / AIR / i89 (3MM/5MM) - 3/4" IG"	VI/VI	2	0.022(2), 0.149(4)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.28	0.20	0.44	41	
	00295-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / i89 (3MM/5MM) - 3/4" IG"	VI/VI	2	0.022(2), 0.149(4)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.29	0.20	0.44	41	

NFRC Product Certification Authorization Report



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City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20													IA: American Architectural Manufacturers Association			
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00296-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / i89 (5MM/5MM) - 3/4" IG"	VI/VI	2	0.022(2), 0.149(4)	0.375	SS-D	Fill 1: AIR(100)	N		CL	0.29	0.22	0.49	40	
	00297-00001	"Aluminum Reinforcement (LR/KR): E366 / AIR / i89 (5MM/5MM) - 3/4" IG"	VI/VI	2	0.022(2), 0.149(4)	0.375	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.32	0.20	0.43	39	
	00298-00001	"Aluminum Reinforcement (LR/KR): E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.29	0.29	0.55	58	
	00298-00002	"Aluminum Reinforcement (LR/KR): E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.29	0.26	0.49	58	
	00298-00003	"Aluminum Reinforcement (LR/KR): GRY / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		GY	0.29	0.27	0.37	58	
	00298-00004	"Aluminum Reinforcement (LR/KR): GRY / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GY	0.29	0.24	0.33	58	
	00298-00005	"Aluminum Reinforcement (LR/KR): BRZ / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		BZ	0.29	0.29	0.41	58	
	00298-00006	"Aluminum Reinforcement (LR/KR): BRZ / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	BZ	0.29	0.26	0.36	58	
	00298-00007	"Aluminum Reinforcement (LR/KR): GRN / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		GR	0.29	0.31	0.50	58	
	00298-00008	"Aluminum Reinforcement (LR/KR): GRN / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GR	0.29	0.28	0.45	58	
	00299-00001	"Aluminum Reinforcement (LR/KR): E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.31	0.26	0.49	58	
	00299-00002	"Aluminum Reinforcement (LR/KR): GRY / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GY	0.31	0.24	0.33	58	
	00299-00003	"Aluminum Reinforcement (LR/KR): BRZ / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	BZ	0.31	0.26	0.36	58	

NFRC Product Certification Authorization Report



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City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
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VR (Enhanced Screen):

CPD Number: DYC-A-20															IA: American Architectural Manufacturers Association	
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00299-00004	"Aluminum Reinforcement (LR/KR): GRN / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GR	0.31	0.28	0.45	58	
	00300-00001	"Aluminum Reinforcement (LR/KR): E270 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.29	0.29	0.54	56	
	00300-00002	"Aluminum Reinforcement (LR/KR): E270 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.29	0.26	0.49	56	
	00301-00001	"Aluminum Reinforcement (LR/KR): E270 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.31	0.26	0.49	56	
	00302-00001	"Aluminum Reinforcement (LR/KR): E270 / ARG90 / CLR (5MM/5MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.30	0.29	0.54	55	
	00303-00001	"Aluminum Reinforcement (LR/KR): E270 / ARG90 / CLR (5MM/5MM) - 3/4" IG"	VI/VI	2	0.037(2)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.34	0.26	0.48	55	
	00304-00001	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.028(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.29	0.14	0.30	58	
	00304-00002	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.028(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.29	0.13	0.27	58	
	00305-00001	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.028(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.30	0.13	0.27	58	
	00306-00001	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.028(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.29	0.15	0.30	57	
	00306-00002	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.028(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.29	0.13	0.27	57	
	00307-00001	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.028(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.31	0.13	0.27	57	

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Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00308-00001	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / CLR (5MM/5MM) - 3/4"" IG"	VI/VI	2	0.028(2)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.30	0.15	0.30	55	
	00309-00001	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / CLR (5MM/5MM) - 3/4"" IG"	VI/VI	2	0.028(2)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.34	0.14	0.27	55	
	00310-00001	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / i89 (3MM/3MM) - 3/4"" IG"	VI/VI	2	0.028(2), 0.149(4)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.25	0.14	0.30	46	
	00310-00002	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / i89 (3MM/3MM) - 3/4"" IG"	VI/VI	2	0.028(2), 0.149(4)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.25	0.13	0.27	46	
	00311-00001	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / i89 (3MM/3MM) - 3/4"" IG"	VI/VI	2	0.028(2), 0.149(4)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.26	0.13	0.27	46	
	00312-00001	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / i89 (3MM/5MM) - 3/4"" IG"	VI/VI	2	0.028(2), 0.149(4)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.25	0.14	0.29	45	
	00312-00002	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / i89 (3MM/5MM) - 3/4"" IG"	VI/VI	2	0.028(2), 0.149(4)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.25	0.13	0.26	45	
	00313-00001	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / i89 (3MM/5MM) - 3/4"" IG"	VI/VI	2	0.028(2), 0.149(4)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.26	0.13	0.26	45	
	00314-00001	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / i89 (5MM/5MM) - 3/4"" IG"	VI/VI	2	0.028(2), 0.149(4)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.26	0.14	0.29	43	
	00315-00001	"Aluminum Reinforcement (LR/KR): E340 / ARG90 / i89 (5MM/5MM) - 3/4"" IG"	VI/VI	2	0.028(2), 0.149(4)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.28	0.13	0.26	43	
	00316-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / CLR (3MM/3MM) - 3/4"" IG"	VI/VI	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.29	0.22	0.51	58	
	00316-00002	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / CLR (3MM/3MM) - 3/4"" IG"	VI/VI	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.29	0.20	0.45	58	

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20														IA: American Architectural Manufacturers Association		
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00316-00003	"Aluminum Reinforcement (LR/KR): GRY / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		GY	0.29	0.23	0.34	58	
	00316-00004	"Aluminum Reinforcement (LR/KR): GRY / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GY	0.29	0.21	0.30	58	
	00316-00005	"Aluminum Reinforcement (LR/KR): BRZ / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		BZ	0.29	0.24	0.37	58	
	00316-00006	"Aluminum Reinforcement (LR/KR): BRZ / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	BZ	0.29	0.22	0.33	58	
	00316-00007	"Aluminum Reinforcement (LR/KR): GRN / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		GR	0.29	0.28	0.47	58	
	00316-00008	"Aluminum Reinforcement (LR/KR): GRN / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GR	0.29	0.25	0.42	58	
	00317-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.30	0.20	0.45	58	
	00317-00002	"Aluminum Reinforcement (LR/KR): GRY / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GY	0.30	0.21	0.30	58	
	00317-00003	"Aluminum Reinforcement (LR/KR): BRZ / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	BZ	0.30	0.22	0.33	58	
	00317-00004	"Aluminum Reinforcement (LR/KR): GRN / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VI	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GR	0.30	0.25	0.42	58	
	00318-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.29	0.22	0.50	57	
	00318-00002	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.29	0.20	0.45	57	
	00319-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VI	2	0.022(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.31	0.20	0.45	57	

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20														IA: American Architectural Manufacturers Association		
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00320-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / CLR (5MM/5MM) - 3/4"" IG"	VI/VI	2	0.022(2)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.30	0.22	0.50	55	
	00321-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / CLR (5MM/5MM) - 3/4"" IG"	VI/VI	2	0.022(2)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.33	0.20	0.44	55	
	00322-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / CL-LAMI (3MM/3MM 030 PVB 3MM) - 3/4"" IG"	VI/VI	2	0.022(2)	0.344	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.30	0.22	0.50	55	
	00323-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / CL-LAMI (3MM/3MM 030 PVB 3MM) - 3/4"" IG"	VI/VI	2	0.022(2)	0.344	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.35	0.20	0.44	55	
	00324-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / i89 (3MM/3MM) - 3/4"" IG"	VI/VI	2	0.022(2), 0.149(4)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.25	0.21	0.50	47	
	00324-00002	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / i89 (3MM/3MM) - 3/4"" IG"	VI/VI	2	0.022(2), 0.149(4)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.25	0.19	0.44	47	
	00325-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / i89 (3MM/3MM) - 3/4"" IG"	VI/VI	2	0.022(2), 0.149(4)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.26	0.19	0.44	47	
	00326-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / i89 (3MM/5MM) - 3/4"" IG"	VI/VI	2	0.022(2), 0.149(4)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.25	0.21	0.49	45	
	00326-00002	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / i89 (3MM/5MM) - 3/4"" IG"	VI/VI	2	0.022(2), 0.149(4)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.25	0.19	0.44	45	
	00327-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / i89 (3MM/5MM) - 3/4"" IG"	VI/VI	2	0.022(2), 0.149(4)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.26	0.19	0.44	45	
	00328-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / i89 (5MM/5MM) - 3/4"" IG"	VI/VI	2	0.022(2), 0.149(4)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.26	0.21	0.49	44	
	00329-00001	"Aluminum Reinforcement (LR/KR): E366 / ARG90 / i89 (5MM/5MM) - 3/4"" IG"	VI/VI	2	0.022(2), 0.149(4)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.28	0.19	0.43	43	

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20															IA: American Architectural Manufacturers Association
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.
	00330-00001	"Aluminum Reinforcement (LR/KR/BR/ST): CLR / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	P1-S	Fill 1: AIR(100)	N		CL	0.46	0.61	0.65	45
	00330-00002	"Aluminum Reinforcement (LR/KR/BR/ST): CLR / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	CL	0.46	0.55	0.58	45
	00330-00003	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	P1-S	Fill 1: AIR(100)	N		GY	0.46	0.46	0.43	45
	00330-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	GY	0.46	0.41	0.38	45
	00330-00005	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	P1-S	Fill 1: AIR(100)	N		BZ	0.46	0.50	0.48	45
	00330-00006	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	BZ	0.46	0.44	0.42	45
	00330-00007	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	P1-S	Fill 1: AIR(100)	N		GR	0.46	0.48	0.59	45
	00330-00008	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	GR	0.46	0.43	0.53	45
	00331-00001	"Aluminum Reinforcement (LR/KR/BR/ST): CLR / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	CL	0.47	0.55	0.58	45
	00331-00002	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	GY	0.47	0.41	0.38	45
	00331-00003	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	BZ	0.47	0.44	0.42	45
	00331-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	P1-S	Fill 1: AIR(100)	G	0.75	GR	0.47	0.43	0.53	45

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20															IA: American Architectural Manufacturers Association
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Llys	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.
	00332-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.500	P1-S	Fill 1: AIR(100)	N		CL	0.32	0.22	0.51	57
	00332-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	CL	0.32	0.20	0.45	57
	00332-00003	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	N		GY	0.32	0.23	0.34	57
	00332-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	GY	0.32	0.21	0.30	57
	00332-00005	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	N		BZ	0.32	0.25	0.37	57
	00332-00006	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	BZ	0.32	0.22	0.33	57
	00332-00007	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	N		GR	0.32	0.28	0.47	57
	00332-00008	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	GR	0.32	0.25	0.42	57
	00333-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	CL	0.34	0.20	0.45	57
	00333-00002	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	GY	0.34	0.21	0.30	57
	00333-00003	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	BZ	0.34	0.22	0.33	57
	00333-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: AIR(100)	G	0.75	GR	0.34	0.25	0.42	57

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20														IA: American Architectural Manufacturers Association		
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00334-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	N		CL	0.28	0.22	0.51	61	
	00334-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.28	0.20	0.45	61	
	00334-00003	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	N		GY	0.28	0.23	0.34	61	
	00334-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	GY	0.28	0.21	0.30	61	
	00334-00005	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.28	0.24	0.37	61	
	00334-00006	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	BZ	0.28	0.22	0.33	61	
	00334-00007	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	N		GR	0.28	0.28	0.47	61	
	00334-00008	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	GR	0.28	0.25	0.42	61	
	00335-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.30	0.20	0.45	61	
	00335-00002	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	GY	0.30	0.21	0.30	61	
	00335-00003	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	BZ	0.30	0.22	0.33	61	
	00335-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	P1-S	Fill 1: ARG/AIR(90/10)	G	0.75	GR	0.30	0.25	0.42	61	

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
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VR (Enhanced Screen):

CPD Number: DYC-A-20															IA: American Architectural Manufacturers Association														
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.														
	00336-00001	"Aluminum Reinforcement (LR/KR/BR/ST): CLR / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	SS-D	Fill 1: AIR(100)	N		CL	0.47	0.61	0.65	44														
	00336-00002	"Aluminum Reinforcement (LR/KR/BR/ST): CLR / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.47	0.55	0.58	44														
	00336-00003	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	SS-D	Fill 1: AIR(100)	N		GY	0.47	0.46	0.43	44														
	00336-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	GY	0.47	0.41	0.38	44														
	00336-00005	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	SS-D	Fill 1: AIR(100)	N		BZ	0.47	0.50	0.48	44														
	00336-00006	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	BZ	0.47	0.44	0.42	44														
	00336-00007	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	SS-D	Fill 1: AIR(100)	N		GR	0.47	0.48	0.59	44														
	00336-00008	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	GR	0.47	0.43	0.53	44														
	00337-00001	"Aluminum Reinforcement (LR/KR/BR/ST): CLR / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.47	0.55	0.58	43														
	00337-00002	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	GY	0.47	0.41	0.38	43														
	00337-00003	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	BZ	0.47	0.44	0.42	43														
	00337-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2		0.500	SS-D	Fill 1: AIR(100)	G	0.75	GR	0.47	0.43	0.53	43														

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20														IA: American Architectural Manufacturers Association		
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Llys	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00338-00001	"Aluminum Reinforcement (LR/KR/BR/ST): CLR / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VA	2		0.375	SS-D	Fill 1: AIR(100)	N		CL	0.49	0.59	0.63	42	
	00339-00001	"Aluminum Reinforcement (LR/KR/BR/ST): CLR / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VA	2		0.375	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.51	0.53	0.57	42	
	00340-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.500	SS-D	Fill 1: AIR(100)	N		CL	0.33	0.30	0.55	54	
	00340-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.33	0.27	0.49	54	
	00340-00003	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	N		GY	0.33	0.27	0.37	54	
	00340-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GY	0.33	0.25	0.33	54	
	00340-00005	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	N		BZ	0.33	0.29	0.41	54	
	00340-00006	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	BZ	0.33	0.26	0.36	54	
	00340-00007	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	N		GR	0.33	0.32	0.50	54	
	00340-00008	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GR	0.33	0.28	0.45	54	
	00341-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.35	0.27	0.49	54	
	00341-00002	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GY	0.35	0.25	0.33	54	

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20															IA: American Architectural Manufacturers Association	
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Llys	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00341-00003	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	BZ	0.35	0.26	0.36	54	
	00341-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GR	0.35	0.28	0.45	54	
	00342-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.438	SS-D	Fill 1: AIR(100)	N		CL	0.34	0.30	0.54	49	
	00342-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.34	0.27	0.49	49	
	00343-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.36	0.27	0.49	49	
	00344-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.375	SS-D	Fill 1: AIR(100)	N		CL	0.36	0.29	0.54	51	
	00345-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.375	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.39	0.26	0.48	51	
	00346-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.500	SS-D	Fill 1: AIR(100)	N		CL	0.33	0.15	0.30	54	
	00346-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.33	0.14	0.27	54	
	00347-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.35	0.14	0.27	54	
	00348-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.438	SS-D	Fill 1: AIR(100)	N		CL	0.34	0.15	0.30	53	
	00348-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.34	0.14	0.27	53	

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20															IA: American Architectural Manufacturers Association	
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00349-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.36	0.14	0.27	53	
	00350-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.375	SS-D	Fill 1: AIR(100)	N		CL	0.35	0.16	0.30	51	
	00351-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.375	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.39	0.14	0.27	51	
	00352-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / i89 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.500	SS-D	Fill 1: AIR(100)	N		CL	0.28	0.14	0.30	43	
	00352-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / i89 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.28	0.13	0.27	43	
	00353-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / i89 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.29	0.13	0.27	42	
	00354-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / i89 (3MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.438	SS-D	Fill 1: AIR(100)	N		CL	0.29	0.14	0.29	41	
	00354-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / i89 (3MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.29	0.13	0.26	41	
	00355-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / i89 (3MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.30	0.13	0.26	41	
	00356-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / i89 (5MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.375	SS-D	Fill 1: AIR(100)	N		CL	0.30	0.15	0.29	40	
	00357-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / AIR / i89 (5MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.375	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.32	0.13	0.26	39	
	00358-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.500	SS-D	Fill 1: AIR(100)	N		CL	0.33	0.22	0.51	54	

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20														IA: American Architectural Manufacturers Association		
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Llys	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00358-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.33	0.20	0.45	54	
	00358-00003	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	N		GY	0.33	0.23	0.34	54	
	00358-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GY	0.33	0.21	0.30	54	
	00358-00005	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	N		BZ	0.33	0.25	0.37	54	
	00358-00006	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	BZ	0.33	0.22	0.33	54	
	00358-00007	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	N		GR	0.33	0.28	0.47	54	
	00358-00008	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GR	0.33	0.25	0.42	54	
	00359-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.35	0.20	0.45	54	
	00359-00002	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GY	0.35	0.21	0.30	54	
	00359-00003	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	BZ	0.35	0.22	0.33	54	
	00359-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / AIR / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	GR	0.35	0.25	0.42	54	
	00360-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.438	SS-D	Fill 1: AIR(100)	N		CL	0.33	0.22	0.50	53	

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20															IA: American Architectural Manufacturers Association														
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.														
	00360-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.33	0.20	0.45	53														
	00361-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.36	0.20	0.45	53														
	00362-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.375	SS-D	Fill 1: AIR(100)	N		CL	0.35	0.23	0.50	51														
	00363-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / CLR (5MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.375	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.39	0.21	0.44	51														
	00364-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / CL-LAMI (3MM/3MM 030 PVB 3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.344	SS-D	Fill 1: AIR(100)	N		CL	0.36	0.22	0.50	48														
	00365-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / CL-LAMI (3MM/3MM 030 PVB 3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.344	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.41	0.20	0.44	48														
	00366-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / i89 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.500	SS-D	Fill 1: AIR(100)	N		CL	0.28	0.22	0.50	43														
	00366-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / i89 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.28	0.20	0.44	43														
	00367-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / i89 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.500	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.29	0.20	0.44	43														
	00368-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / i89 (3MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.438	SS-D	Fill 1: AIR(100)	N		CL	0.28	0.22	0.49	41														
	00368-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / i89 (3MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.28	0.20	0.44	41														
	00369-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / i89 (3MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.438	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.30	0.20	0.44	41														

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20															IA: American Architectural Manufacturers Association
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.
	00370-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / i89 (5MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.375	SS-D	Fill 1: AIR(100)	N		CL	0.30	0.22	0.49	40
	00371-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / AIR / i89 (5MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.375	SS-D	Fill 1: AIR(100)	G	0.75	CL	0.32	0.20	0.43	39
	00372-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.30	0.29	0.55	57
	00372-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.30	0.26	0.49	57
	00372-00003	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		GY	0.30	0.27	0.37	57
	00372-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GY	0.30	0.24	0.33	57
	00372-00005	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		BZ	0.30	0.29	0.41	57
	00372-00006	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	BZ	0.30	0.26	0.36	57
	00372-00007	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		GR	0.30	0.31	0.50	57
	00372-00008	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GR	0.30	0.28	0.45	57
	00373-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.31	0.26	0.49	57
	00373-00002	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GY	0.31	0.24	0.33	57

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20															IA: American Architectural Manufacturers Association	
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Llys	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00373-00003	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	BZ	0.31	0.26	0.36	57	
	00373-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / ARG90 / E270 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.037(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GR	0.31	0.28	0.45	57	
	00374-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.30	0.29	0.54	56	
	00374-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.30	0.26	0.49	56	
	00375-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.32	0.26	0.49	56	
	00376-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / ARG90 / CLR (5MM/5MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.31	0.29	0.54	55	
	00377-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E270 / ARG90 / CLR (5MM/5MM) - 3/4" IG"	VI/VA	2	0.037(2)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.35	0.26	0.48	55	
	00378-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.29	0.14	0.30	58	
	00378-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.29	0.13	0.27	58	
	00379-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.31	0.13	0.27	58	
	00380-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.29	0.15	0.30	56	
	00380-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.29	0.13	0.27	56	

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20															IA: American Architectural Manufacturers Association	
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyr	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00381-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.32	0.13	0.27	56	
	00382-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / CLR (5MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.31	0.15	0.30	55	
	00383-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / CLR (5MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.34	0.14	0.27	55	
	00384-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / i89 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.25	0.14	0.30	46	
	00384-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / i89 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.25	0.13	0.27	46	
	00385-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / i89 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.27	0.13	0.27	46	
	00386-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / i89 (3MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.26	0.14	0.29	45	
	00386-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / i89 (3MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.26	0.13	0.26	45	
	00387-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / i89 (3MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.27	0.13	0.26	45	
	00388-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / i89 (5MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.27	0.14	0.29	43	
	00389-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E340 / ARG90 / i89 (5MM/5MM) - 3/4" IG"	VI/VA	2	0.028(2), 0.149(4)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.29	0.13	0.26	43	
	00390-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.29	0.22	0.51	58	

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20															IA: American Architectural Manufacturers Association	
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Llys	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00390-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.29	0.20	0.45	58	
	00390-00003	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		GY	0.29	0.23	0.34	58	
	00390-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GY	0.29	0.21	0.30	58	
	00390-00005	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		BZ	0.29	0.24	0.37	58	
	00390-00006	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	BZ	0.29	0.22	0.33	58	
	00390-00007	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		GR	0.29	0.28	0.47	58	
	00390-00008	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GR	0.29	0.25	0.42	58	
	00391-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / CLR (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.31	0.20	0.45	58	
	00391-00002	"Aluminum Reinforcement (LR/KR/BR/ST): GRY / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GY	0.31	0.21	0.30	58	
	00391-00003	"Aluminum Reinforcement (LR/KR/BR/ST): BRZ / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	BZ	0.31	0.22	0.33	58	
	00391-00004	"Aluminum Reinforcement (LR/KR/BR/ST): GRN / ARG90 / E366 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(3)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	GR	0.31	0.25	0.42	58	
	00392-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.29	0.22	0.50	56	

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
Print Date: 12/07/2018 **VR (Standard Screen):** **Test Date:** 03/31/2017 **Expiration Date:** 06/26/2022
VR (Enhanced Screen):

CPD Number: DYC-A-20													IA: American Architectural Manufacturers Association			
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Llys	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.	
	00392-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.29	0.20	0.45	56	
	00393-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / CLR (3MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.31	0.20	0.45	56	
	00394-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / CLR (5MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.31	0.22	0.50	55	
	00395-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / CLR (5MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.34	0.20	0.44	55	
	00396-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / CL-LAMI (3MM/3MM 030 PVB 3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.344	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.31	0.22	0.50	55	
	00397-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / CL-LAMI (3MM/3MM 030 PVB 3MM) - 3/4" IG"	VI/VA	2	0.022(2)	0.344	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.36	0.20	0.44	55	
	00398-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / i89 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.25	0.21	0.50	46	
	00398-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / i89 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.25	0.19	0.44	46	
	00399-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / i89 (3MM/3MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.500	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.26	0.19	0.44	46	
	00400-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / i89 (3MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.25	0.21	0.49	45	
	00400-00002	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / i89 (3MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.25	0.19	0.44	45	

NFRC Product Certification Authorization Report



Manufacturer: Don Young Company **Product Series:** 5200 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 08/09/2000
Street: 8181 Ambassador Row **Product Type:** VSSH **Sim. Report #:** G6286.05-116-45 **Re-Certification Date:** 06/14/2017
City/State/Zip: Dallas, TX 75247 **Air Leakage:** ≤ 0.3 **Sim. Report Date:** 06/01/2017 **Revised Date:** 06/01/2017
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VR (Enhanced Screen):

CPD Number: DYC-A-20			IA: American Architectural Manufacturers Association												
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.
	00401-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / i89 (3MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.438	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.27	0.19	0.44	45
	00402-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / i89 (5MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	N		CL	0.27	0.21	0.49	43
	00403-00001	"Aluminum Reinforcement (LR/KR/BR/ST): E366 / ARG90 / i89 (5MM/5MM) - 3/4" IG"	VI/VA	2	0.022(2), 0.149(4)	0.375	SS-D	Fill 1: ARG/AIR(90/10)	G	0.75	CL	0.29	0.19	0.43	43

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TATI	03/31/2017	1197 mm x 1499 mm	0.297	0.288	G6287.05-116-46

Comments:

I hereby certify that all requirements for NFRC Certification Authorization have been met and that the above information is true and correct, to the best of my knowledge.

Authorized IA
Signature: _____