NFRC Product Certification Authorization Report

Manufacturer: Croft LLC
Street: 800 North Clark Ave
City/State/Zip: Magnolia, MS 39652
Print Date: 08/05/2026

Product Series: 10 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SFTL
Sim. Report #: MED-2305a
Sim. Report Date: 05/21/2025
Test Date: 07/09/2025

Initial Cert. Date: 10/02/2025
Re-Certification Date:
Revised Date: 06/11/2026
Expiration Date: 07/09/2030

CPD Number: CMI-M-64 — **IA: National Accreditation And Management Institute**

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
	00001-00001	1/8- LoE366 - ARG - 1/8 clr	VR/VY	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.22	0.50	57
	00001-00002	1/8- LoE366 - ARG - 1/8 clr	VR/VY	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.19	0.45	57
	00002-00001	1/8- LoE366 - ARG - 1/8 i89	VR/VY	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.21	0.49	45
	00002-00002	1/8- LoE366 - ARG - 1/8 i89	VR/VY	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.44	45
	00003-00001	1/8- LoE366 - ARG - 1/8 i89	VR/VY	2	0.02(2), 0.149(4)	0.380	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.21	0.49	43
	00004-00001	3/32- LoE366 - ARG - 3/32 i89	VR/VY	2	0.02(2), 0.149(4)	0.440	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.21	0.49	45
	00004-00002	3/32- LoE366 - ARG - 3/32 i89	VR/VY	2	0.02(2), 0.149(4)	0.440	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.44	45
	00005-00001	3/32 clr - AIR - 3/32 clr	VR/VY	2		0.440	CU-D	Fill 1: AIR (100)	N		CL	0.48	0.62	0.64	43
	00005-00002	3/32 clr - AIR - 3/32 clr	VR/VY	2		0.440	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.48	0.55	0.57	43
	00006-00001	1/8 clr - AIR - 1/8 clr	VR/VY	2		0.380	CU-D	Fill 1: AIR (100)	N		CL	0.49	0.60	0.64	42
	00007-00001	3/32 clr - ARG - 3/32 clr	VR/VY	2		0.440	CU-D	Fill 1: ARG (90)	N		CL	0.46	0.62	0.64	44
	00007-00002	3/32 clr - ARG - 3/32 clr	VR/VY	2		0.440	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.46	0.55	0.57	44
	00008-00001	1/8 clr - ARG - 1/8 clr	VR/VY	2		0.380	CU-D	Fill 1: ARG (90)	N		CL	0.47	0.61	0.64	44
	00009-00001	3/32- LoE366 - AIR - 3/32 clr	VR/VY	2	0.02(2)	0.440	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.22	0.51	53
	00009-00002	3/32- LoE366 - AIR - 3/32 clr	VR/VY	2	0.02(2)	0.440	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.20	0.45	53
	00010-00001	1/8- LoE366 - AIR - 1/8 clr	VR/VY	2		0.380	CU-D	Fill 1: AIR (100)	N		CL	0.36	0.22	0.50	52
	00011-00001	3/32- LoE366 - ARG - 3/32 clr	VR/VY	2	0.02(2)	0.440	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.22	0.51	57
	00011-00002	3/32- LoE366 - ARG - 3/32 clr	VR/VY	2	0.02(2)	0.440	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.20	0.45	57
	00012-00001	1/8- LoE366 - ARG - 1/8 clr	VR/VY	2	0.02(2)	0.380	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.22	0.50	55
	00013-00001	3/32- LoE270 - AIR - 3/32 clr	VR/VY	2	0.035(2)	0.440	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.29	0.55	53
	00013-00002	3/32- LoE270 - AIR - 3/32 clr	VR/VY	2	0.035(2)	0.440	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.27	0.49	53
	00014-00001	1/8- LoE270 - AIR - 1/8 clr	VR/VY	2	0.035(2)	0.380	CU-D	Fill 1: AIR (100)	N		CL	0.36	0.29	0.54	51
	00015-00001	3/32- LoE270 - ARG - 3/32 clr	VR/VY	2	0.035(2)	0.440	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.29	0.55	56
	00015-00002	3/32- LoE270 - ARG - 3/32 clr	VR/VY	2	0.035(2)	0.440	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.26	0.49	56

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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
	00016-00001	1/8- LoE270 - ARG - 1/8 clr	VR/VY	2	0.035(2)	0.380	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.29	0.54	55
	00017-00001	3/32- LoE366 - AIR - 3/32 i89	VR/VY	2	0.02(2), 0.149(4)	0.440	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.21	0.49	41
	00017-00002	3/32- LoE366 - AIR - 3/32 i89	VR/VY	2	0.02(2), 0.149(4)	0.440	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.19	0.44	41
	00018-00001	1/8- LoE366 - AIR - 1/8 i89	VR/VY	2	0.02(2), 0.149(4)	0.380	CU-D	Fill 1: AIR (100)	N		CL	0.30	0.21	0.49	40
	00019-00001	3/32- LoE270 - AIR - 3/32 i89	VR/VY	2	0.035(2), 0.149(4)	0.440	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.29	0.53	41
	00019-00002	3/32- LoE270 - AIR - 3/32 i89	VR/VY	2	0.035(2), 0.149(4)	0.440	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.26	0.48	41
	00020-00001	1/8- LoE270 - AIR - 1/8 i89	VR/VY	2	0.035(2), 0.149(4)	0.380	CU-D	Fill 1: AIR (100)	N		CL	0.30	0.29	0.53	39
	00021-00001	3/32- LoE270 - ARG - 3/32 i89	VR/VY	2	0.035(2), 0.149(4)	0.440	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.29	0.53	45
	00021-00002	3/32- LoE270 - ARG - 3/32 i89	VR/VY	2	0.035(2), 0.149(4)	0.440	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.26	0.48	45
	00022-00001	1/8- LoE270 - ARG - 1/8 i89	VR/VY	2	0.035(2), 0.149(4)	0.380	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.28	0.53	43
	00023-00001	3/32 clr - AIR - 3/32 clr	VR/VY	2		0.500	CU-D	Fill 1: AIR (100)	N		CL	0.48	0.62	0.64	43
	00023-00002	3/32 clr - AIR - 3/32 clr	VR/VY	2		0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.48	0.55	0.57	43
	00024-00001	1/8 clr - AIR - 1/8 clr	VR/VY	2		0.500	CU-D	Fill 1: AIR (100)	N		CL	0.48	0.61	0.64	43
	00024-00002	1/8 clr - AIR - 1/8 clr	VR/VY	2		0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.48	0.54	0.57	43
	00025-00001	3/32 clr - ARG - 3/32 clr	VR/VY	2		0.500	CU-D	Fill 1: ARG (90)	N		CL	0.46	0.62	0.64	45
	00025-00002	3/32 clr - ARG - 3/32 clr	VR/VY	2		0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.46	0.55	0.57	45
	00026-00001	1/8 clr - ARG - 1/8 clr	VR/VY	2		0.500	CU-D	Fill 1: ARG (90)	N		CL	0.46	0.61	0.64	45
	00026-00002	1/8 clr - ARG - 1/8 clr	VR/VY	2		0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.46	0.54	0.57	45
	00027-00001	3/32- LoE366 - AIR - 3/32 clr	VR/VY	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.33	0.22	0.51	54
	00027-00002	3/32- LoE366 - AIR - 3/32 clr	VR/VY	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.45	54
	00028-00001	1/8- LoE366 - AIR - 1/8 clr	VR/VY	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.22	0.50	53
	00028-00002	1/8- LoE366 - AIR - 1/8 clr	VR/VY	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.20	0.45	53
	00029-00001	3/32- LoE366 - ARG - 3/32 clr	VR/VY	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.22	0.51	57
	00029-00002	3/32- LoE366 - ARG - 3/32 clr	VR/VY	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.20	0.45	57
	00030-00001	3/32- LoE270 - AIR - 3/32 clr	VR/VY	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.29	0.55	54

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	00030-00002	3/32- LoE270 - AIR - 3/32 clr	VR/VY	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.26	0.49	54
	00031-00001	1/8- LoE270 - AIR - 1/8 clr	VR/VY	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.29	0.54	53
	00031-00002	1/8- LoE270 - AIR - 1/8 clr	VR/VY	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.26	0.48	53
	00032-00001	3/32- LoE270 - ARG - 3/32 clr	VR/VY	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.29	0.55	57
	00032-00002	3/32- LoE270 - ARG - 3/32 clr	VR/VY	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.26	0.49	57
	00033-00001	1/8- LoE270 - ARG - 1/8 clr	VR/VY	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.29	0.54	56
	00033-00002	1/8- LoE270 - ARG - 1/8 clr	VR/VY	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.26	0.48	56
	00034-00001	3/32- LoE366 - AIR - 3/32 i89	VR/VY	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.21	0.49	42
	00034-00002	3/32- LoE366 - AIR - 3/32 i89	VR/VY	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.44	42
	00035-00001	1/8- LoE366 - AIR - 1/8 i89	VR/VY	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.21	0.49	42
	00035-00002	1/8- LoE366 - AIR - 1/8 i89	VR/VY	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.19	0.44	42
	00036-00001	3/32- LoE270 - AIR - 3/32 i89	VR/VY	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.29	0.53	42
	00036-00002	3/32- LoE270 - AIR - 3/32 i89	VR/VY	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.26	0.48	42
	00037-00001	1/8- LoE270 - AIR - 1/8 i89	VR/VY	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.28	0.53	41
	00037-00002	1/8- LoE270 - AIR - 1/8 i89	VR/VY	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.26	0.47	41
	00038-00001	3/32- LoE270 - ARG - 3/32 i89	VR/VY	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.29	0.53	45
	00038-00002	3/32- LoE270 - ARG - 3/32 i89	VR/VY	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.26	0.48	45
	00039-00001	1/8- LoE270 - ARG - 1/8 i89	VR/VY	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.28	0.53	45
	00039-00002	1/8- LoE270 - ARG - 1/8 i89	VR/VY	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.26	0.47	45
	00040-00001	1/8- LoE366 - ARG - 1/8 i89	VR/VY	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.19	0.44	43
	00041-00001	1/8 clr - AIR - 1/8 clr	VR/VY	2		0.375	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.49	0.54	0.57	42
	00042-00001	1/8 clr - ARG - 1/8 clr	VR/VY	2		0.375	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.47	0.54	0.57	44
	00043-00001	1/8- LoE366 - AIR - 1/8 clr	VR/VY	2		0.375	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.37	0.20	0.45	52
	00044-00001	1/8- LoE366 - ARG - 1/8 clr	VR/VY	2	0.02(2)	0.375	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.32	0.20	0.45	55
	00045-00001	1/8- LoE270 - AIR - 1/8 clr	VR/VY	2	0.035(2)	0.375	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.37	0.27	0.48	51

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	00046-00001	1/8- LoE270 - ARG - 1/8 clr	VR/VY	2	0.035(2)	0.375	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.33	0.26	0.48	55
	00047-00001	1/8- LoE366 - AIR - 1/8 i89	VR/VY	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.31	0.19	0.44	40
	00048-00001	1/8- LoE270 - AIR - 1/8 i89	VR/VY	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.31	0.26	0.47	39
	00049-00001	1/8- LoE270 - ARG - 1/8 i89	VR/VY	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.26	0.47	43

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TFTL	**07/09/2025**	1200mm x 1500mm	0.346	0.338	MED-2319c W&D

Comments: MED-2305aR1 added options 40 - 49 on 08/05/2026.

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: