



# Window Product Selection Guide

Products are available with a full range of glass, screen, limit lock and muntin choices. Most products can be curved to meet field conditions. In addition, most aluminum surfaces can be coated with the full range of aluminum finishes including paint conforming to AAMA 2603 and AAMA 2605 or anodize conforming to AAMA 611.

	MODEL	FRAME DEPTH	AAMA/WDMA/CSA 101/LS 2/IA-A40-05 DESIGNATION	AAMA/WDMA/CSA 101/LS 2/IA-A40-08 DESIGNATION	TEST SIZE PER AAMA/WDMA/CSA 101/LS 2/IA-A40	CSA A440 DESIGNATION	AIR INFILTRATION PER AAMA/WDMA/CSA 101/LS 2/IA-A40	WATER RESISTANCE (PSF) PER ASTM E-331	UNIFORM LOAD DEFLECTION PER ASTM E-330 (PSF)	UNIFORM LOAD STRUCTURAL PER ASTM E-330 (PSF)	FORCED ENTRY RESISTANCE (TYPE GRADE)	U-FACTOR PER NFRC 100	CONDENSATION RESISTANCE (CR) PER NFRC 300	PER - FRAME PER AAMA 1503	MATCHING FIXED FRAME	
	<b>hung</b>															
SINGLE HUNG, SIDE LOAD	TR-9100	3-1/4"	H-AW50	AW-PG50-H	60" x 99"		0.3 @ 6.2 PSF	15	50	75	T:A/G:10	0.45*	56	TR-7100		
SINGLE HUNG, SIDE LOAD	TR-9700	3-1/4"	H-AW40	AW-PG40-H	60" x 99"		0.3 @ 6.2 PSF	15	40	60	T:A/G:10	0.50*		TR-7100		
SINGLE HUNG, SIDE LOAD	AA™3350	3-1/2"	H-AW50	AW-PG50-H	60" x 99"	A2/B7/C5	0.3 @ 6.2 PSF	15	50	75	T:A/G:10	0.39	49	57	AA™3350	
SINGLE HUNG, SIDE LOAD	8400TL	4"	H-AW70	AW-PG70-H	60" x 99"		0.3 @ 6.2 PSF	15	70	105	T:A/G:10	0.51	32	55	8400TL	
SINGLE HUNG, SIDE LOAD	AA™5450	4-5/8"		AW-PG50-H	60" x 99"	A3/B4/C3	0.3 @ 6.2 PSF	15	50	75	T:A/G:10	0.24	59	75	AA™5450	
SINGLE HUNG, TILT	NX-5400	3-1/4"	H-C50	CW-PG45-H	48" x 84"		0.3 @ 6.2 PSF	10	45	67.5	T:A/G:10	0.37	51		NX-7400	
DOUBLE HUNG, SIDE LOAD	AA™3350	3-1/2"	H-AW50	AW-PG50-H	60" x 99"	A2/B7/C5	0.3 @ 6.2 PSF	15	50	75	T:A/G:10	0.40	51	57	AA™3350	
DOUBLE HUNG, SIDE LOAD	8400TL	4"	H-AW70		60" x 99"		0.3 @ 6.2 PSF	15	70	105	T:A/G:11	0.53	33	51	8400TL	
DOUBLE HUNG, SIDE LOAD	TR-9400	4"	H-AW55	AW-PG55-H	61" x 100"		0.3 @ 6.2 PSF	12	55	82.5	T:A/G:10	0.48*		53	TR-9450/9500	
DOUBLE HUNG, SIDE LOAD	TR-9900	4-1/2"	H-AW50	AW-PG50-H	60" x 99"		0.3 @ 6.2 PSF	10	50	75	T:A/G:10	0.53*			TR-9950	
DOUBLE HUNG, SIDE LOAD	AA™5450	4-5/8"		AW-PG50-H	60" x 99"	A3/B4/C3	0.3 @ 6.2 PSF	15	50	75	T:A/G:10	0.26	59	71	AA™5450	
DOUBLE HUNG, TILT	NX-5000	3-1/4"	H-C50	CW-PG50-H	48" x 84"		0.3 @ 1.6 PSF	10	50	75	T:A/G:10	0.38	50		NX-7400	
DOUBLE HUNG, TILT	TR-9000	4"	H-AW45	AW-PG45-H	60" x 99"		0.3 @ 6.2 PSF	10	45	67.5	T:A/G:10	0.45*		55	TR-9500	
DOUBLE HUNG, TILT	TR-9800	4"	H-AW50	AW-PG50-H	60" x 99"		0.3 @ 6.2 PSF	10	50	75	T:A/G:10				TR-9500	
	<b>sliding</b>															
SINGLE SLIDE	NX-6400	3-1/4"	HS-C50	CW-PG45-HS	71" x 60"		0.3 @ 6.2 PSF	10	45	67.5	T:A/G:10	0.36	53		NX-7400	
SINGLE SLIDE	TR-6800	3-1/4"	HS-AW50	AW-PG50-HS	99" x 79"		0.3 @ 6.2 PSF	10	50	75	T:A/G:10	0.45	33	52	TR-7100	
SINGLE SLIDE	AA™3350	3-1/2"	HS-AW50	AW-PG50-HS	99" x 79"	A2/B7/C3	0.3 @ 6.2 PSF	15	50	75	T:A/G:10	0.40	44	66	AA™3350	
SINGLE SLIDE	8400TL	4"	HS-AW70		99" x 79"		0.3 @ 6.2 PSF	15	70	105	T:A/G:10	0.56	30	50	8400TL	
SINGLE SLIDE	AA™5450	4-5/8"		AW-PG40-HS	99" x 79"	A2/B4/C3	0.3 @ 6.2 PSF	10	40	60	T:A/G:10	0.25		76	AA™5450	
DOUBLE SLIDE	NX-6000	3-1/4"	HS-C50	CW-PG50-HS	71" x 60"		0.3 @ 6.2 PSF	10	50	75	T:A/G:10	0.39	49		NX-7400	
DOUBLE SLIDE	AA™3350	3-1/2"	HS-AW50	AW-PG50-HS	99" x 79"	A2/B7/C3	0.3 @ 6.2 PSF	15	50	75	T:A/G:10	0.43	45	64	AA™3350	
DOUBLE SLIDE	8400TL	4"	HS-AW70		99" x 79"		0.3 @ 6.2 PSF	15	70	105	T:A/G:10				8400TL	
DOUBLE SLIDE	AA™5450	4-5/8"		AW-PG50-HS	99" x 79"	A2/B4/C3	0.3 @ 6.2 PSF	10	45	67.5	T:A/G:10	0.27		69	AA™5450	

This guide was developed to assist the specifier in choosing the right product for your project based on design pressure and overall performance to ensure a successful and enduring application. For Hurricane Resistant or Blast Resistant options refer to the Hurricane Resistant Window Product Selection Guide and Blast Mitigation Window Product Selection Guide.

\*Products simulated to NFRC 100 sizes using Win-Therm software. | Gray highlight indicates Kawneer Window.

MODEL  
 FRAME DEPTH  
 AIAA/WDMA/CSA 10/11 S-2/A-440-08 DESIGNATION  
 AIAA/WDMA/CSA 10/11 S-2/A-440-08 DESIGNATION  
 TEST SIZE PER AIAA/WDMA/CSA 10/11 S-2/A-440  
 CSA A440 DESIGNATION  
 AIR INFILTRATION PER AIAA/WDMA/CSA 10/11 S-2/A-440  
 WATER RESISTANCE (PSF) PER ASTM E331  
 UNIFORM LOAD DEFLECTION PER ASTM E330 (PSF)  
 UNIFORM LOAD STRUCTURAL PER ASTM E330 (PSF)  
 FORCED ENTRY RESISTANCE PER ASTM F588 (TYPE GRADE)  
 U-FACTOR PER NFRC 100  
 CONDENSATION RESISTANCE (CRI) PER NFRC 900  
 CRF - FRAME MATCHING FIXED FRAME



casement

FLUSH INSWING	TR-2200	2-1/4"	C-AW80	AW-PG80-C	36" x 60"	0.1 @ 6.2 PSF	12	80	120	T/B/G:10	0.48*		TR-2800	
FLUSH OUTSWING	TR-2100	2-1/4"	C-AW70	AW-PG70-C	36" x 60"	0.1 @ 6.2 PSF	12	70	105	T/B/G:10	0.50*		TR-2800	
FLUSH INSWING	TR-720	4-5/8"	C-AW80	AW-PG80-C	36" x 60"	0.1 @ 6.2 PSF	12	80	120	T/B/G:10			TR-780	
FLUSH OUTSWING	TR-710	4-5/8"	C-AW80	AW-PG80-C	36" x 60"	0.1 @ 6.2 PSF	12	80	120	T/B/G:10	0.53*	53	TR-780	
OVERLAP INSWING	7225	2-1/4"	C-AW90	AW-PG90-C	36" x 60"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10			7225	
OVERLAP OUTSWING	7225	2-1/4"	C-AW90	AW-PG90-C	36" x 60"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10			7225	
OVERLAP INSWING	8225TL	2-1/4"	C-AW90	AW-PG90-C	36" x 60"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10	0.46	40	8225TL	
OVERLAP OUTSWING	8225TL	2-1/4"	C-AW90	AW-PG90-C	36" x 60"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10	0.47	39	8225TL	
OVERLAP INSWING	526	2-1/4"											516/518	
OVERLAP OUTSWING	526	2-1/4"					A3/B5/C5	0.1 @ 6.2 PSF	10				516/518	
OVERLAP INSWING	NX-220	2-1/4"	C-C50	CW-PG50-C	32" x 60"	0.1 @ 6.2 PSF	10	50	75	T/B/G:10	0.42	49	NX-280	
OVERLAP OUTSWING	NX-210	2-1/4"	C-C50	CW-PG50-C	32" x 60"	0.1 @ 6.2 PSF	12	50	75	T/B/G:10	0.42	49	NX-280	
OVERLAP INSWING	AA™900	2-5/8"	C-AW90		36" x 60"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10			AA™900	
OVERLAP OUTSWING	AA™900	2-5/8"	C-AW90		36" x 60"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10			AA™900	
OVERLAP INSWING	AA™4325	3-1/4"	C-AW80	AW-PG80-C	36" x 60"	0.1 @ 6.2 PSF	15	80	135	T/B/G:10			AA™4325	
OVERLAP OUTSWING	AA™4325	3-1/4"	C-AW80	AW-PG80-C	36" x 60"	0.1 @ 6.2 PSF	15	80	135	T/B/G:10			AA™4325	
OVERLAP INSWING	NX-3200	3-1/4"	C-AW80	AW-PG80-C	36" x 60"	0.1 @ 6.2 PSF	15	80	120	T/B/G:10	0.42	43	NX-3800	
OVERLAP OUTSWING	NX-3100	3-1/4"	C-AW80	AW-PG80-C	36" x 60"	0.1 @ 6.2 PSF	15	80	120	T/B/G:10	0.42	43	55	NX-3800
OVERLAP OUTSWING	NX-310	3-1/4"											NX-380	
OVERLAP INSWING	TR-3200	3-1/4"	C-AW80	AW-PG80-C	36" x 60"	0.1 @ 6.2 PSF	15	80	120	T/B/G:10			TR-3800	
OVERLAP OUTSWING	TR-3100	3-1/4"	C-AW80	AW-PG80-C	36" x 60"	0.1 @ 6.2 PSF	15	80	120	T/B/G:10			TR-3800	
FRAMELESS OUTSWING	GLASSvent™ WINDOWS	2-1/8"/2-3/4"						12	40/70	60/105	T/B/G:10	0.56	51	Storefront
FRAMELESS OUTSWING	GLASSvent™ WINDOWS	2-11/16"/3-7/16"	C-AW90	AW-PG90-C	36" x 60"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10			Curtainwall	
FRAMELESS OUTSWING	GLASSvent™ UT WINDOWS	4-3/8"/5-1/8"	C-AW90	AW-PG90-C	36" x 60"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10			80	



projected

FLUSH PROJECT IN	TR-2400	2-1/4"	AP-AW80	AW-PG80-AP	60" x 36"	0.1 @ 6.2 PSF	12	80	120	T/B/G:10	0.47*	46	TR-2800	
FLUSH PROJECT OUT	TR-2500	2-1/4"	AP-AW80	AW-PG80-AP	60" x 36"	0.1 @ 6.2 PSF	12	80	120	T/B/G:10			TR-2800	
FLUSH PROJECT IN	TR-740	4-5/8"	AP-AW80	AW-PG80-AP	60" x 36"	0.1 @ 6.2 PSF	12	80	120	T/B/G:10			TR-780	
FLUSH PROJECT OUT	TR-750	4-5/8"	AP-AW80	AW-PG80-AP	60" x 36"	0.1 @ 6.2 PSF	12	80	120	T/B/G:10	0.53*		TR-780	
OVERLAP PROJECT IN	7225	2-1/4"	AP-AW90	AW-PG90-AP	60" x 36"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10			7225	
OVERLAP PROJECT OUT	7225	2-1/4"	AP-AW90	AW-PG90-AP	60" x 36"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10			7225	
OVERLAP PROJECT IN	8225TL	2-1/4"	AP-AW90	AW-PG90-AP	60" x 36"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10	0.46	41	55	8225TL
OVERLAP PROJECT OUT	8225TL	2-1/4"	AP-AW90	AW-PG90-AP	60" x 36"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10	0.48	39	58	8225TL
OVERLAP PROJECT IN	526	2-1/4"					A3/B5/C5						516/518	
OVERLAP PROJECT OUT	526	2-1/4"					A3/B5/C5						516/518	
OVERLAP PROJECT IN	NX-240	2-1/4"	AP-C50	CW-PG50-AP	48" x 32"	0.1 @ 6.2 PSF	10	50	75	T/B/G:10	0.42	50	61	NX-280
OVERLAP PROJECT OUT	NX-250	2-1/4"	AP-C50	CW-PG50-AP	48" x 32"	0.1 @ 6.2 PSF	12	50	75	T/B/G:10	0.41	50		NX-280
OVERLAP PROJECT IN	AA™900	2-5/8"	AP-AW90		60" x 36"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10	0.45	49	64	AA™900
OVERLAP PROJECT OUT	AA™900	2-5/8"	AP-AW90		60" x 36"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10	0.50	43	61	AA™900
OVERLAP PROJECT IN	AA™4325	3-1/4"	AP-AW80	AW-PG80-AP	60" x 36"	0.1 @ 6.2 PSF	15	80	120	T/B/G:10	0.22	74	76	AA™4325
OVERLAP PROJECT OUT	AA™4325	3-1/4"	AP-AW80	AW-PG80-AP	60" x 36"	0.1 @ 6.2 PSF	15	80	120	T/B/G:10	0.23	68		AA™4325
OVERLAP PROJECT IN	NX-3400	3-1/4"	AP-AW80	AW-PG80-AP	60" x 36"	0.1 @ 6.2 PSF	15	80	120	T/B/G:10	0.41	43		NX-3800
OVERLAP PROJECT OUT	NX-3500	3-1/4"	AP-AW80	AW-PG80-AP	60" x 36"	0.1 @ 6.2 PSF	15	80	120	T/B/G:10	0.42	43		NX-3800
OVERLAP PROJECT OUT	NX-350	3-1/4"											NX-380	
OVERLAP PROJECT IN	TR-3400	3-1/4"		AW-PG80-AP	60" x 36"	0.1 @ 6.2 PSF	15	80	120	T/B/G:10			TR-3800	
OVERLAP PROJECT OUT	TR-3500	3-1/4"	AP-AW65	AW-PG65-AP	60" x 36"	0.1 @ 6.2 PSF	13	65	97.5	T/B/G:10			TR-3800	
FIXED OVER PROJECT IN	NX-4000	4-5/8"	AP-AW80	AW-PG80-AP	60" x 99"	0.1 @ 6.2 PSF	15	80	120	T/B/G:10			NX-4000	
FIXED OVER PROJECT OUT	NX-4000	4-5/8"	AP-AW80	AW-PG80-AP	60" x 99"	0.1 @ 6.2 PSF	15	80	120	T/B/G:10			NX-4000	
FRAMELESS PROJECT OUT	GLASSvent™ WINDOWS	2-1/8"/2-3/4"						12	40/70	60/105	T/B/G:10	0.56	51	Storefront
FRAMELESS PROJECT OUT	GLASSvent™ WINDOWS	2-11/16"/3-7/16"	AP-AW90	AW-PG90-AP	60" x 30"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10	0.76	33	51	Curtainwall
FRAMELESS PROJECT OUT	GLASSvent™ UT WINDOWS	4-3/8"/5-1/8"	AP-AW90	AW-PG90-AP	60" x 36"	0.1 @ 6.2 PSF	15	90	135	T/B/G:10			73	

\*Products simulated to NFRC 100 sizes using Win-Therm software. | Gray highlight indicates Kawneer Window.

## tilt turn

MODEL	FRAME DEPTH	AAMA/WDMA/CSA 101/1.5/2/A-440-08 DESIGNATION	AAMA/WDMA/CSA 101/1.5/2/A-440-08 DESIGNATION	TEST SIZE PER AAMA/WDMA/CSA 101/1.5/2/A-440	CSA A440 DESIGNATION	AIR INFILTRATION PER AAMA/WDMA/CSA 101/1.5/2/A-440	WATER RESISTANCE (PSF) PER ASTM E331	UNIFORM LOAD DEFLECTION PER ASTM E330 (PSF)	UNIFORM LOAD STRUCTURAL PER ASTM E330 (PSF)	FORCED ENTRY RESISTANCE PER ASTM F588 (TYPE GRADE)	U-FACTOR PER NFRC 100	CONDENSATION RESISTANCE (CRI) PER NFRC 900	PER AAMA 563 MATCHING FIXED FRAME
OVERLAP TILT-TURN	NX-3700	3-1/4"	DAW-AW50	60" x 99"		0.1 @ 6.2 PSF	15	50	75	T-D/G:10			NX-3800



## fixed

2-1/4" FIXED	7225	2-1/4"	FW-AW100	AW-PG100-FW	60" x 60"	0.1 @ 6.2 PSF	15	100	150	T-D/G:10				
2-1/4" FIXED	8225TL	2-1/4"	FW-AW100	AW-PG100-FW	60" x 60"	0.1 @ 6.2 PSF	15	100	150	T-D/G:10	0.34	44	61	
2-1/4" FIXED	NX-280	2-1/4"	FW-C50	CW-PG50-FW	60" x 60"	0.1 @ 6.2 PSF	12	50	75	T-D/G:10	0.32	56		
2-1/4" FIXED	TR-2800	2-1/4"	FW-AW80	AW-PG80-FW	60" x 99"	0.1 @ 6.2 PSF	12	80	120	T-D/G:10	0.34*			
2-5/8" FIXED	AA™900	2-5/8"	FW-AW90		60" x 99"	FIXED/B7/C5	0.1 @ 6.2 PSF	15	90	135	T-D/G:10	0.34	49	67
3-1/4" FIXED	AA™4325	3-1/4"	FW-AW80	AW-PG80-FW	60" x 99"	FIXED/B7/C5	0.1 @ 6.2 PSF	15	80	120	T-D/G:10	0.17	73	78
3-1/4" FIXED	NX-380	3-1/4"												
3-1/4" FIXED	NX-7400	3-1/4"	FW-C50	CW-PG50-FW	60" x 60"	0.1 @ 6.2 PSF	10	50	75	T-D/G:10	0.32	56		
3-1/4" FIXED	NX-3800	3-1/4"	FW-AW80	AW-PG80-FW	60" x 99"	0.1 @ 6.2 PSF	15	80	120	T-D/G:10	0.33	44	57	
3-1/4" FIXED	TR-3800	3-1/4"	FW-AW100	AW-PG100-FW	60" x 99"	0.1 @ 6.2 PSF	15	100	150	T-D/G:10	0.37*	41		
3-1/4" FIXED	TR-7100	3-1/4"	FW-AW100	AW-PG100-FW	60" x 99"	0.1 @ 6.2 PSF	15	100	150	T-D/G:10	0.36*	60		
3-1/4" FIXED	TR-7900	3-1/4"	FW-AW90		60" x 99"		0.1 @ 6.2 PSF	20	90	135	T-D/G:10		58	
3-1/2" FIXED	AA™3350	3-1/2"	FW-AW50	AW-PG50-FW	60" x 60"	FIXED/B7/C5	0.1 @ 6.2 PSF	15	50	75	T-D/G:10	0.38	43	67
4" FIXED	8400TL	4"	FW-AW100	AW-PG100-FW	60" x 60"	0.1 @ 6.2 PSF	15	100	150	T-D/G:10	0.39	48	67	
4" FIXED RIBBON WINDOW*	AA™6400	4"		AW-PG70-FW	60" x 99"	FIXED/B7/C5	0.1 @ 6.2 PSF	15	70	105	T-D/G:10	0.32	77	
4" FIXED RIBBON WINDOW*	5500	4"				FIXED/B7/C5								
4" FIXED RIBBON WINDOW*	516	4"				FIXED/B7/C5								
4" FIXED	TR-9450	4"	FW-AW100	AW-PG100-FW	60" x 99"	0.1 @ 6.2 PSF	15	100	150	T-D/G:10				
4" FIXED OVER FIXED	TR-9460	4"	FW-AW100	AW-PG100-FW	60" x 99"	0.1 @ 6.2 PSF	12	100	150	T-D/G:10				
4" FIXED	TR-9500	4"	FW-AW100	AW-PG100-FW	60" x 99"	0.1 @ 6.2 PSF	15	100	150	T-D/G:10	0.39*			
4-1/2" FIXED	TR-9950	4-1/2"	FW-AW100	AW-PG100-FW	60" x 99"	0.1 @ 6.2 PSF	15	100	150	T-D/G:10	0.41*			
4-5/8" FIXED	TR-780	4-5/8"	FW-AW80	AW-PG80-FW	60" x 99"	0.1 @ 6.2 PSF	15	80	120	T-D/G:10	0.38*	59		
4-5/8" FIXED OVER FIXED	NX-4000	4-5/8"	FW-AW80		60" x 126"	0.1 @ 6.2 PSF	15	80	120	T-D/G:10				
4-5/8" FIXED	AA™5450	4-5/8"		AW-PG70-FW	60" x 99"	0.1 @ 6.2 PSF	15	80	120	T-D/G:10	0.21	61	78	
5" FIXED RIBBON WINDOW*	AA™6500	5"		AW-PG70-FW	60" x 99"	FIXED/B7/C5	0.1 @ 6.2 PSF	15	70	105	T-D/G:10			
5" FIXED RIBBON WINDOW*	5525	5"				FIXED/B7/C5								
5" FIXED RIBBON WINDOW*	518	5"				FIXED/B7/C5								
6" FIXED RIBBON WINDOW*	AA™6600	6"		AW-PG70-FW	60" x 99"	FIXED/B7/C5	0.1 @ 6.2 PSF	15	70	105	T-D/G:10			

## horizontal ventilator

HORIZONTAL VENTILATOR	512 VENTROW	3-19/32"				A3/B7/C5							
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\* Casement and projected vents are available for horizontal fixed ribbon windows. Please consult [kawneer.com](http://kawneer.com) for more information.

### GENERAL CONDITIONS

- Kawneer recommends that you review with your sales representative the design load, jobsite conditions and product configurations before preparing your plans and specifications, as local laws and building codes governing fenestration products vary widely and are subject to interpretation by various building team members.
- Products are covered by a limited warranty, tested to AAMA voluntary specifications, and most are thermally improved to reduce condensation. Field air and water performance may vary with size changes and field conditions.
- Drawings and specifications are published as a public service only, and Kawneer disclaims all liability for their use, application or adaptation.
- Kawneer reserves the right to change, without prior notice, these drawings and specifications, as products are constantly modified to meet project requirements.

Kawneer Company, Inc.  
555 Guthridge Court  
Norcross, GA 30092  
770.449.5555 TEL

[kawneer.com](http://kawneer.com)

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