

# Seven D Industries, L.P.

## Series 2000 Casement

### Daylight and Ventilation Area

24-Mar-2006

Note: Daylight and Ventilation calculations are given in square foot of area

Window		Width								
Height	Call Out - CS20wwhh	15	18	20	24	30				
	Unit Dimension	17	20 1/2	24	28 1/4	36				
	Rough Opening	17 1/2	21	24 1/2	28 3/4	36 1/2				
20	24	24 1/2	Ventilation Daylight	0.724 1.325	1.164 1.757	1.605 2.188	2.140 2.712			
30	36	36 1/2	Ventilation Daylight	1.203 2.221	1.935 2.944	2.667 3.667	3.556 4.545	5.178 6.146		
35	41	41 1/2	Ventilation Daylight	1.403 2.594	2.256 3.439	3.110 4.283	4.147 5.309	6.037 7.179		
40	48	48 1/2	Ventilation Daylight	1.682 3.117	2.706 4.132	3.730 5.146	4.973 6.378	7.240 8.625		
45	53	53 1/2	Ventilation Daylight	1.882 3.490	3.027 4.626	4.173 5.763	5.563 7.142	8.100 9.658		
50	60	60 1/2	Ventilation Daylight	2.161 4.013	3.477 5.319	4.792 6.625	6.390 8.212	9.303 11.105		
55	65	65 1/2	Ventilation Daylight	2.361 4.386	3.798 5.814	5.235 7.242	6.980 8.976			
60	72	72 1/2	Ventilation Daylight	2.640 4.908	4.248 6.507	5.855 8.105	7.806 10.045			

Meets Clear Opening Requirements: 20" width, 24" height, & 5.7 Sq ft Area

# Seven D Industries, L.P.

Series 2000 Casement

Design Pressure

13-Apr-2006

Window		Width									
Height	Call Out	15		18		20		24		30	
	Unit Dimension	17		20 1/2		24		28 1/4		36	
	Rough Opening	17 1/2		21		24 1/2		28 3/4		36 1/2	
	20	24	24 1/2	DP-60	DP-60	DP-60	DP-55				
30	36	36 1/2	DP-60	DP-60	DP-60	DP-55	DP-55				
35	41	41 1/2	DP-60	DP-60	DP-60	DP-55	DP-55				
40	48	48 1/2	DP-60	DP-60	DP-60	DP-55	DP-55				
45	53	53 1/2	DP-60	DP-60	DP-60	DP-55	DP-55				
50	60	60 1/2	DP-60	DP-60	DP-60	DP-55	DP-55				
55	65	65 1/2	DP-55	DP-55	DP-55	DP-55					
60	72	72 1/2	DP-55	DP-55	DP-55	DP-55					

Meets Clear Opening Requirements: 20" width, 24" height, & 5.7 Sq ft Area

**Seven D Industries, L.P.**  
**Series 2000 Casement Picture Window**  
**Daylight Area**

24-Mar-2006

Note: Daylight calculations are given in square foot of area

Window		Width									
Height	Call Out	15		18		20		24		30	
	Unit Dimension	17		20 1/2		24		28 1/4		36	
	Rough Opening	17 1/2		21		24 1/2		28 3/4		36 1/2	
	20	24	24 1/2	Daylight	1.079	1.448	1.695	2.188			
30	36	36 1/2	Daylight	1.808	2.428	2.841	3.667	4.907			
35	41	41 1/2	Daylight	2.112	2.836	3.318	4.283	5.731			
40	48	48 1/2	Daylight	2.537	3.407	3.987	5.146	6.886			
45	53	53 1/2	Daylight	2.841	3.815	4.464	5.763	7.711			
50	60	60 1/2	Daylight	3.266	4.386	5.132	6.625	8.865			
55	65	65 1/2	Daylight	3.570	4.794	5.610	7.242				
60	72	72 1/2	Daylight	3.995	5.365	6.278	8.105				

**Seven D Industries, L.P.**  
**Series 2000 Casement Picture Window**  
**Design Pressure**

13-Apr-2005

Window		Width									
Height	Call Out	15		18		20		24		30	
	Unit Dimension	17		20 1/2		24		28 1/4		36	
	Rough Opening	17 1/2		21		24 1/2		28 3/4		36 1/2	
	20	24	24 1/2	DP-40	DP-40	DP-40	DP-40				
30	36	36 1/2	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40			
35	41	41 1/2	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40			
40	48	48 1/2	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40			
45	53	53 1/2	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40			
50	60	60 1/2	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40			
55	65	65 1/2	DP-40	DP-40	DP-40	DP-40	DP-40				
60	72	72 1/2	DP-40	DP-40	DP-40	DP-40	DP-40				

# Seven D Industries, L.P.

## Series 2000 Awning

### Daylight and Ventilation Area

17-Oct-2006

Note: Daylight and Ventilation calculations are given in square foot of area

Window		Width									
Height	Call Out - AW20wwhh	20	30	35	40	45	50	55	60		
	Unit Dimension	24	36	41	48	53	60	65	72		
	Rough Opening	24 1/2	36 1/2	41 1/2	48 1/2	53 1/2	60 1/2	65 1/2	72 1/2		
	15	17	17 1/2	Ventilation	0.887	1.470	1.714	2.054	2.297	2.637	2.880
			Daylight	1.325	2.221	2.594	3.117	3.490	4.013	4.386	4.908
18	20 1/2	21	Ventilation	1.014	1.681	1.958	2.347	2.625	3.014	3.292	3.681
			Daylight	1.757	2.944	3.439	4.132	4.626	5.319	5.814	6.507
20	24	24 1/2	Ventilation	1.141	1.891	2.203	2.641	2.953	3.391	3.703	4.141
			Daylight	2.188	3.667	4.283	5.146	5.763	6.625	7.242	8.105
24	28 1/4	28 3/4	Ventilation	1.267	2.101	2.448	2.934	3.281	3.767	4.115	4.601
			Daylight	2.712	4.545	5.309	6.378	7.142	8.212	8.976	10.045

**Seven D Industries, L.P.**  
**Series 2000 Awning Picture Window**  
**Daylight Area**

24-Mar-2006

Note: Daylight calculations are given in square foot of area

Window		Width																
Height	Call Out	20		30		35		40		45		50		55		60		
	Unit Dimension	24		36		41		48		53		60		65		72		
	Rough Opening	24 1/2		36 1/2		41 1/2		48 1/2		53 1/2		60 1/2		65 1/2		72 1/2		
15	17	17 1/2	Daylight	1.026	1.773	2.146	2.520	2.893	3.266	3.639	4.013							
18	20	20 1/2	Daylight	1.313	2.268	2.745	3.223	3.700	4.178	4.655	5.132							
20	24	24 1/2	Daylight	1.695	2.928	3.544	4.160	4.776	5.393	6.009	6.625							
24	28	28 1/2	Daylight	2.077	3.587	4.342	5.098	5.853	6.608	7.363	8.118							

**Seven D Industries, L.P.**  
**Series 2000 Awning Picture Window**  
**Design Pressure**

13-Apr-2006

Window	Width											
	Call Out	20	30	35	40	45	50	55	60			
Height	Unit Dimension		24	36	41	48	53	60	65	72		
		Rough Opening	24 1/2	36 1/2	41 1/2	48 1/2	53 1/2	60 1/2	65 1/2	72 1/2		
15	17	17 1/2	Daylight	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40
18	20	20 1/2	Daylight	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40
20	24	24 1/2	Daylight	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40
24	28	28 1/2	Daylight	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40	DP-40

# Seven D Industries, L.P.

## Series 2000 Casement

### Thermal Specifications

24-Mar-2006

Call Size	Exact Dimensions			UI	Rough Opening			AAMA Rating	Glass Type	U-Value	SHGC	VT	w/ Grid	
	Width	Height			Width	Height							SHGC	VT
1520	17	x	24	41	17 1/2	x	24 1/2	C-C50	3/4" IG -Clr/air/Clr 3/4" IG - Clr/90% Argon/Low-E	0.44 0.29	0.51 0.32	0.52 0.33	0.47 0.30	0.47 0.40
1530	17	x	36	53	17 1/2	x	36 1/2	C-C50						
1535	17	x	41	58	17 1/2	x	41 1/2	C-C50						
1540	17	x	48	65	17 1/2	x	48 1/2	C-C50						
1545	17	x	53	70	17 1/2	x	53 1/2	C-C50						
1550	17	x	60	77	17 1/2	x	60 1/2	C-C50						
1555	17	x	65	82	17 1/2	x	65 1/2	C-C50						
1560	17	x	72	89	17 1/2	x	72 1/2	C-C50						
1820	20	x	24	44	20 1/2	x	24 1/2	C-C50	3/4" IG -Clr/air/Clr 3/4" IG - Clr/90% Argon/Low-E	0.44 0.29	0.51 0.32	0.52 0.33	0.47 0.30	0.47 0.40
1830	20	x	36	56	20 1/2	x	36 1/2	C-C50						
1835	20	x	41	61	20 1/2	x	41 1/2	C-C50						
1840	20	x	48	68	20 1/2	x	48 1/2	C-C50						
1845	20	x	53	73	20 1/2	x	53 1/2	C-C50						
1850	20	x	60	80	20 1/2	x	60 1/2	C-C50						
1855	20	x	65	85	20 1/2	x	65 1/2	C-C50						
1860	20	x	72	92	20 1/2	x	72 1/2	C-C50						
2020	24	x	24	48	24 1/2	x	24 1/2	C-C50	3/4" IG -Clr/air/Clr 3/4" IG - Clr/90% Argon/Low-E	0.44 0.29	0.51 0.32	0.52 0.33	0.47 0.30	0.47 0.40
2030	24	x	36	60	24 1/2	x	36 1/2	C-C50						
2035	24	x	41	65	24 1/2	x	41 1/2	C-C50						
2040	24	x	48	72	24 1/2	x	48 1/2	C-C50						
2045	24	x	53	77	24 1/2	x	53 1/2	C-C50						
2050	24	x	60	84	24 1/2	x	60 1/2	C-C50						
2055	24	x	65	89	24 1/2	x	65 1/2	C-C50						
2060	24	x	72	96	24 1/2	x	72 1/2	C-C50						
2420	28	x	24	52	28 1/2	x	24 1/2	C-C50	3/4" IG -Clr/air/Clr 3/4" IG - Clr/90% Argon/Low-E	0.44 0.29	0.51 0.32	0.52 0.33	0.47 0.30	0.47 0.40
2430	28	x	36	64	28 1/2	x	36 1/2	C-C50						
2435	28	x	41	69	28 1/2	x	41 1/2	C-C50						
2440	28	x	48	76	28 1/2	x	48 1/2	C-C50						
2445	28	x	53	81	28 1/2	x	53 1/2	C-C50						
2450	28	x	60	88	28 1/2	x	60 1/2	C-C50						
2455	28	x	65	93	28 1/2	x	65 1/2	C-C50						
2460	28	x	72	100	28 1/2	x	72 1/2	C-C50						
3030	36	x	36	72	36 1/2	x	36 1/2	C-C50	3/4" IG -Clr/air/Clr	0.44	0.51	0.52	0.47	0.47

# Seven D Industries, L.P.

## Series 2000 Casement Thermal Specifications

24-Mar-2006

Call Size	Exact Dimensions			UI	Rough Opening			AAMA Rating	Glass Type	U-Value	SHGC	VT	w/ Grid	
	Width		Height		Width		Height						SHGC	VT
3035	36	x	41	77	36 1/2	x	41 1/2	C-C50	3/4" IG - Clr/90% Argon/Low-E	0.29	0.32	0.33	0.30	0.40
3040	36	x	48	84	36 1/2	x	48 1/2	C-C50						
3045	36	x	53	89	36 1/2	x	53 1/2	C-C50						
3050	36	x	60	96	36 1/2	x	60 1/2	C-C50						

Meets Clear Opening Requirements: 20" width, 24" height, & 5.7 Sq ft Area

# Seven D Industries, L.P.

## Series 2000 Casement Picture Window

### Thermal Specifications

24-Mar-2006

Call Size	Exact Dimensions			UI	Rough Opening			AAMA Rating	Glass Type	U-Value	SHGC	VT	w/ Grid	
	Width	Height			Width	Height							SHGC	VT
1520	17	x	24	41	17 1/2	x	24 1/2	F-C40	3/4" IG -Clr/air/Clr 3/4" IG - Clr/90% Argon/Low-E	0.47 0.30	0.59 0.37	0.62 0.52	0.54 0.34	0.55 0.47
1530	17	x	36	53	17 1/2	x	36 1/2	F-C40						
1535	17	x	41	58	17 1/2	x	41 1/2	F-C40						
1540	17	x	48	65	17 1/2	x	48 1/2	F-C40						
1545	17	x	53	70	17 1/2	x	53 1/2	F-C40						
1550	17	x	60	77	17 1/2	x	60 1/2	F-C40						
1555	17	x	65	82	17 1/2	x	65 1/2	F-C40						
1560	17	x	72	89	17 1/2	x	72 1/2	F-C40						
1820	20	x	24	44	20 1/2	x	24 1/2	F-C40	3/4" IG -Clr/air/Clr 3/4" IG - Clr/90% Argon/Low-E	0.47 0.30	0.59 0.37	0.62 0.52	0.54 0.34	0.55 0.47
1830	20	x	36	56	20 1/2	x	36 1/2	F-C40						
1835	20	x	41	61	20 1/2	x	41 1/2	F-C40						
1840	20	x	48	68	20 1/2	x	48 1/2	F-C40						
1845	20	x	53	73	20 1/2	x	53 1/2	F-C40						
1850	20	x	60	80	20 1/2	x	60 1/2	F-C40						
1855	20	x	65	85	20 1/2	x	65 1/2	F-C40						
1860	20	x	72	92	20 1/2	x	72 1/2	F-C40						
2020	24	x	24	48	24 1/2	x	24 1/2	F-C40	3/4" IG -Clr/air/Clr 3/4" IG - Clr/90% Argon/Low-E	0.47 0.30	0.59 0.37	0.62 0.52	0.54 0.34	0.55 0.47
2030	24	x	36	60	24 1/2	x	36 1/2	F-C40						
2035	24	x	41	65	24 1/2	x	41 1/2	F-C40						
2040	24	x	48	72	24 1/2	x	48 1/2	F-C40						
2045	24	x	53	77	24 1/2	x	53 1/2	F-C40						
2050	24	x	60	84	24 1/2	x	60 1/2	F-C40						
2055	24	x	65	89	24 1/2	x	65 1/2	F-C40						
2060	24	x	72	96	24 1/2	x	72 1/2	F-C40						
2420	28	x	24	52	28 1/2	x	24 1/2	F-C40	3/4" IG -Clr/air/Clr 3/4" IG - Clr/90% Argon/Low-E	0.47 0.30	0.59 0.37	0.62 0.52	0.54 0.34	0.55 0.47
2430	28	x	36	64	28 1/2	x	36 1/2	F-C40						
2435	28	x	41	69	28 1/2	x	41 1/2	F-C40						
2440	28	x	48	76	28 1/2	x	48 1/2	F-C40						
2445	28	x	53	81	28 1/2	x	53 1/2	F-C40						
2450	28	x	60	88	28 1/2	x	60 1/2	F-C40						
2455	28	x	65	93	28 1/2	x	65 1/2	F-C40						
2460	28	x	72	100	28 1/2	x	72 1/2	F-C40						
3030	36	x	36	72	36 1/2	x	36 1/2	F-C40	3/4" IG -Clr/air/Clr	0.47	0.59	0.62	0.54	0.55

# Seven D Industries, L.P.

## Series 2000 Casement Picture Window

### Thermal Specifications

24-Mar-2006

Call Size	Exact Dimensions			UI	Rough Opening			AAMA Rating	Glass Type	U-Value	SHGC	VT	w/ Grid	
	Width		Height		Width		Height						SHGC	VT
3035	36	x	41	77	36 1/2	x	41 1/2	F-C40	3/4" IG - Clr/90% Argon/Low-E	0.30	0.37	0.52	0.34	0.47
3040	36	x	48	84	36 1/2	x	48 1/2	F-C40						
3045	36	x	53	89	36 1/2	x	53 1/2	F-C40						
3050	36	x	60	96	36 1/2	x	60 1/2	F-C40						

# Seven D Industries, L.P.

## Series 2000 Awning

### Thermal Specifications

24-Mar-2006

Call Size	Exact Dimensions			UI	Rough Opening			AAMA Rating	Glass Type	U-Value	SHGC	VT	w/ Grid	
	Width	Height			Width	Height							SHGC	VT
2015	24	x	17	41	24 1/2	x	17 1/2	-	3/4" IG -Clr/air/Clr	0.44	0.51	0.52	0.47	0.47
2018	24	x	20	44	24 1/2	x	20 1/2	-	3/4" IG - Clr/90% Argon/Low-E	0.29	0.32	0.33	0.30	0.40
2020	24	x	24	48	24 1/2	x	24 1/2	-						
2024	24	x	28	52	24 1/2	x	28 1/2	-						
3015	36	x	17	53	36 1/2	x	17 1/2	-						
3018	36	x	20	56	36 1/2	x	20 1/2	-						
3020	36	x	24	60	36 1/2	x	24 1/2	-						
3024	36	x	28	64	36 1/2	x	28 1/2	-						
3515	41	x	17	58	41 1/2	x	17 1/2	-						
3518	41	x	20	61	41 1/2	x	20 1/2	-	3/4" IG - Clr/90% Argon/Low-E	0.29	0.32	0.33	0.30	0.40
3520	41	x	24	65	41 1/2	x	24 1/2	-						
3524	41	x	28	69	41 1/2	x	28 1/2	-						
4015	48	x	17	65	48 1/2	x	17 1/2	-						
4018	48	x	20	68	48 1/2	x	20 1/2	-						
4020	48	x	24	72	48 1/2	x	24 1/2	-						
4024	48	x	28	76	48 1/2	x	28 1/2	-						
4515	53	x	17	70	53 1/2	x	17 1/2	-						
4518	53	x	20	73	53 1/2	x	20 1/2	-	3/4" IG - Clr/90% Argon/Low-E	0.29	0.32	0.33	0.30	0.40
4520	53	x	24	77	53 1/2	x	24 1/2	-						
4524	53	x	28	81	53 1/2	x	28 1/2	-						
5015	60	x	17	77	60 1/2	x	17 1/2	-						
5018	60	x	20	80	60 1/2	x	20 1/2	-						
5020	60	x	24	84	60 1/2	x	24 1/2	-						
5024	60	x	28	88	60 1/2	x	28 1/2	-						
5515	65	x	17	82	65 1/2	x	17 1/2	-						
5518	65	x	20	85	65 1/2	x	20 1/2	-	3/4" IG - Clr/90% Argon/Low-E	0.29	0.32	0.33	0.30	0.40
5520	65	x	24	89	65 1/2	x	24 1/2	-						
5524	65	x	28	93	65 1/2	x	28 1/2	-						
6015	72	x	17	89	72 1/2	x	17 1/2	-						
6018	72	x	20	92	72 1/2	x	20 1/2	-						
6020	72	x	24	96	72 1/2	x	24 1/2	-						
6024	72	x	28	100	72 1/2	x	28 1/2	-						

# Seven D Industries, L.P.

## Series 2000 Awning Picture Window

### Thermal Specifications

24-Mar-2006

Call Size	Exact Dimensions			UI	Rough Opening			AAMA Rating	Glass Type	U-Value	SHGC	VT	w/ Grid	
	Width	Height			Width	Height							SHGC	VT
2015	24	x	17	41	24 1/2	x	17 1/2	F-C40	3/4" IG -Clr/air/Clr 3/4" IG - Clr/90% Argon/Low-E	0.47 0.30	0.59 0.37	0.62 0.52	0.54 0.34	0.55 0.47
2018	24	x	20	44	24 1/2	x	20 1/2	F-C40						
2020	24	x	24	48	24 1/2	x	24 1/2	F-C40						
2024	24	x	28	52	24 1/2	x	28 1/2	F-C40						
3015	36	x	17	53	36 1/2	x	17 1/2	F-C40						
3018	36	x	20	56	36 1/2	x	20 1/2	F-C40						
3020	36	x	24	60	36 1/2	x	24 1/2	F-C40						
3024	36	x	28	64	36 1/2	x	28 1/2	F-C40						
3515	41	x	17	58	41 1/2	x	17 1/2	F-C40	3/4" IG -Clr/air/Clr 3/4" IG - Clr/90% Argon/Low-E	0.47 0.30	0.59 0.37	0.62 0.52	0.54 0.34	0.55 0.47
3518	41	x	20	61	41 1/2	x	20 1/2	F-C40						
3520	41	x	24	65	41 1/2	x	24 1/2	F-C40						
3524	41	x	28	69	41 1/2	x	28 1/2	F-C40						
4015	48	x	17	65	48 1/2	x	17 1/2	F-C40						
4018	48	x	20	68	48 1/2	x	20 1/2	F-C40						
4020	48	x	24	72	48 1/2	x	24 1/2	F-C40						
4024	48	x	28	76	48 1/2	x	28 1/2	F-C40						
4515	53	x	17	70	53 1/2	x	17 1/2	F-C40	3/4" IG -Clr/air/Clr 3/4" IG - Clr/90% Argon/Low-E	0.47 0.30	0.59 0.37	0.62 0.52	0.54 0.34	0.55 0.47
4518	53	x	20	73	53 1/2	x	20 1/2	F-C40						
4520	53	x	24	77	53 1/2	x	24 1/2	F-C40						
4524	53	x	28	81	53 1/2	x	28 1/2	F-C40						
5015	60	x	17	77	60 1/2	x	17 1/2	F-C40						
5018	60	x	20	80	60 1/2	x	20 1/2	F-C40						
5020	60	x	24	84	60 1/2	x	24 1/2	F-C40						
5024	60	x	28	88	60 1/2	x	28 1/2	F-C40						
5515	65	x	17	82	65 1/2	x	17 1/2	F-C40	3/4" IG -Clr/air/Clr 3/4" IG - Clr/90% Argon/Low-E	0.47 0.30	0.59 0.37	0.62 0.52	0.54 0.34	0.55 0.47
5518	65	x	20	85	65 1/2	x	20 1/2	F-C40						
5520	65	x	24	89	65 1/2	x	24 1/2	F-C40						
5524	65	x	28	93	65 1/2	x	28 1/2	F-C40						
6015	72	x	17	89	72 1/2	x	17 1/2	F-C40						
6018	72	x	20	92	72 1/2	x	20 1/2	F-C40						
6020	72	x	24	96	72 1/2	x	24 1/2	F-C40						
6024	72	x	28	100	72 1/2	x	28 1/2	F-C40						