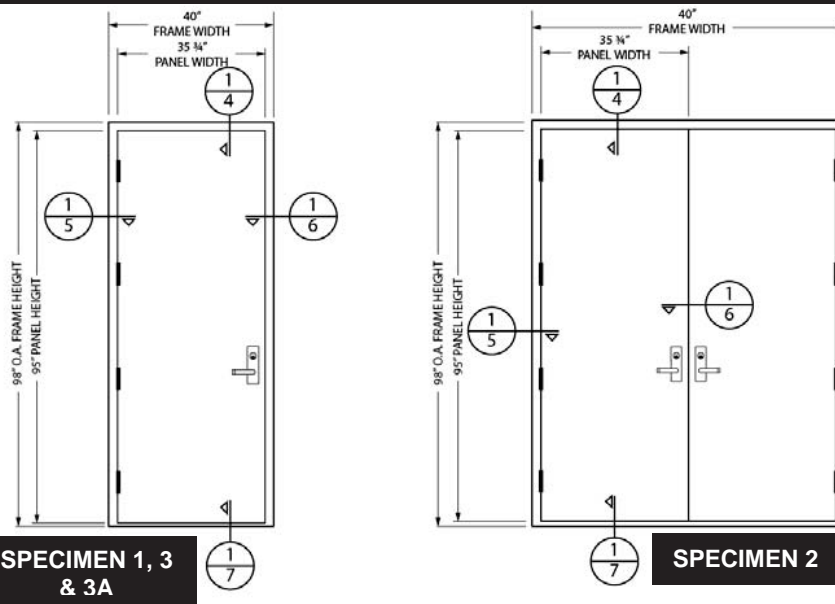


# DKS WS1400 Series Wind Storm/Shelter Door



## OVERALL SIZE:

- SPECIMEN 1 – O.A. Width 40.0" x O.A. Height 98.0" (Inswing)  
Securitech 5000 Series Multi-point mortise Lock
- SPECIMEN 2 – O.A. Width 76.0" x O.A. Height 98.0" (Outswing)  
Securitech 7000 Series Mortise Exit Device with  
Concealed Vertical Rod  
Securitech 8000 Series Autobolt Exit Device with  
Surface Mounted Vertical Rods
- SPECIMEN 3 – O.A. Width 40.0" x O.A. Height 98.0" (Inswing)  
Securitech 4300 Series Multi-point Dead Lock
- SPECIMEN 3A – O.A. Width 40.0" x O.A. Height 98.0" (Outswing)  
Securitech 4300 Series Multi-point Dead Lock

## STRUCTURAL TESTS – ICC 500-2008 Sec. 806.3.1

Referenced Standard – ASTM E330-02

SPECIMEN	RANGE	TIME	LOAD	LOCATION	DEFLECTION	SET
1	Alternate Static Load (See Note #1)	10	300.00	1	0.051"	0.018"
				2	0.289"	0.073"
2	Alternate Static Load (See Note #2)	10	300.00	1	0.442"	0.025"
				2	0.410"	0.030"
				3	0.133"	0.022"
3	Alternate Static Load (See Note #3)	10	300.00	1	0.082"	0.027"
				2	0.272"	0.065"
<b>NOTE #1:</b> Set and Deflection measurements taken at the following locations: 1.) Center point between mortise lock body and top bolt 2.) Hollow Metal Frame at point of engagement at Mortise Lock.		<b>NOTE #2:</b> Set and Deflection measurements taken at the following locations: 1.) Center point of left door panel lock side. 2.) Center point of right door panel lock side. 3.) Hollow Metal Frame at center point hinge jamb.		<b>NOTE #3:</b> Set and Deflection measurements taken at the following locations: 1.) Center point between Dead lock body and top bolt 2.) Hollow Metal Frame at point of engagement at Dead Lock.		

## IMPACT TESTS – ICC 500-2008 Sec. 305.1

Referenced Standard – ASTM E1886-05/E1996-09

SPECIMEN	Cond. Temp of Specimen (for 2 hours prior to testing)	Missile Weight & Grade	Missile Length	Muzzle Distance From Specimen		
1, 2, 3 & 3A	72.3°F	15lbs, 2 oz, 2 x 4 #2 SPF	13' 3"	19' 10"		
SPECIMEN	Impact Location	Results	X-Measurement	Y-Measurement	Speed	Permanent Deformation
1	1	Pass	33.00"	54.00"	100.0 mph	0.768"
	2	Pass	12.50"	53.50"	100.2 mph	0.619"
	3	Pass	8.50"	10.50"	100.1 mph	0.592"
2	1	Pass	30.00"	54.25"	100.1 mph	0.615"
	2	Pass	46.00"	50.00"	100.2 mph	0.606"
	3	Pass	8.00"	53.50"	100.1 mph	0.912"
	4	Pass	69.00"	54.50"	100.3 mph	0.936"
	5	Pass	47.00"	10.25"	100.1 mph	0.510"
	6	Pass	33.25"	10.75"	100.4 mph	0.532"
3	1	Pass	31.00"	54.50"	100.0 mph	0.479"
	2	Pass	13.00"	52.50"	100.2 mph	0.430"
	3	Pass	9.00"	10.00"	100.2 mph	0.413"
3A	1	Pass	29.00"	54.50"	100.0 mph	0.481"
	2	Pass	8.00"	60.00"	100.2 mph	0.559"
	3	Pass	33.00"	10.50"	100.1 mph	0.650"
Orientation of Missile at Impact was with +/-5° of horizontal. None of the impacts penetrated the specimens. "X" measurement is from the left edge of test specimen. "Y" measurement is from the bottom edge of test specimen.						