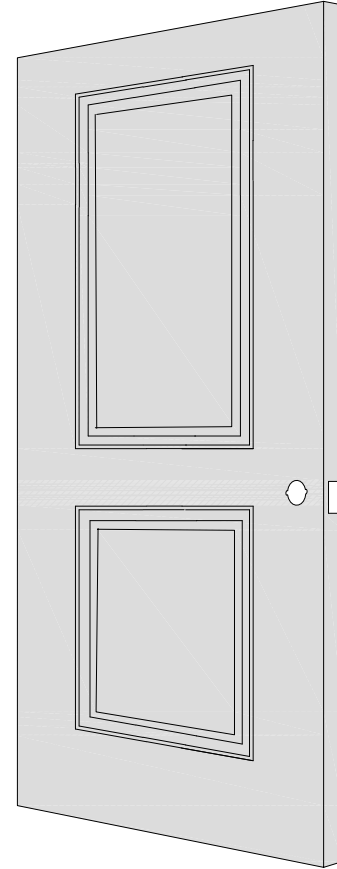


## SERIES EP-EH DOORS

### EMBOSSED HONEYCOMB & POLYSTYRENE DOOR-(1-2-4-6-8 PANEL)

#### Specifications

- Doors shall be formed of two 18 or 16 gage A60 Galv. steel sheet per ASTM A 924 and A 653 or CRS per ASTM A1008 A568 and A569 and shall be 1-3/4" thick. Max size: 4'-0" x 8'-0"
- EP Series Doors shall have a core of rigid Polystyrene, securely bonded to both face sheets developing a dense uniform structure of high insulation value and thermal barrier qualities, structural strength, impact resistance and sound retardation. The core shall have a nominal density of 1 #/ft<sup>3</sup>. The door panel shall develop an R value of 2.70 per ASTM C1363.
- EH Series Doors shall have a one piece kraft honeycomb core securely bonded under heat and pressure to both face sheets to reinforce, stiffen, and sound deaden the door. Honeycomb core shall have 1" to 1.2" hexagonal cells for maximum strength and shall be impregnated with phenolic resin to resist moisture, decay, fungus and rot.
- Doors shall have vertical mechanical interlocking seams on hinge and lock edges. There shall be no seams on the faces of door.
- Exterior doors shall be capped to retard moisture penetrating the door.
- All hinge reinforcements shall be 3/16" thick.
- All doors shall be internally reinforced with a 13 gage plate both sides of the door for application of surface applied door closures and holders.
- Glass light shall be Pioneer standard steel vision lite kit Maximum Vision size available 23"x 37".
- Doors shall be packaged to minimize damage in transit and handling.
- UL or WHI classification mark (label) to 3 hours Max.
- Door construction complies with ANSI A250.8. (SDI 100) and HMMA 867
- Hardware reinforcements are in accordance with ANSI A 250.6. Locations are in accordance with ANSI A156.115.

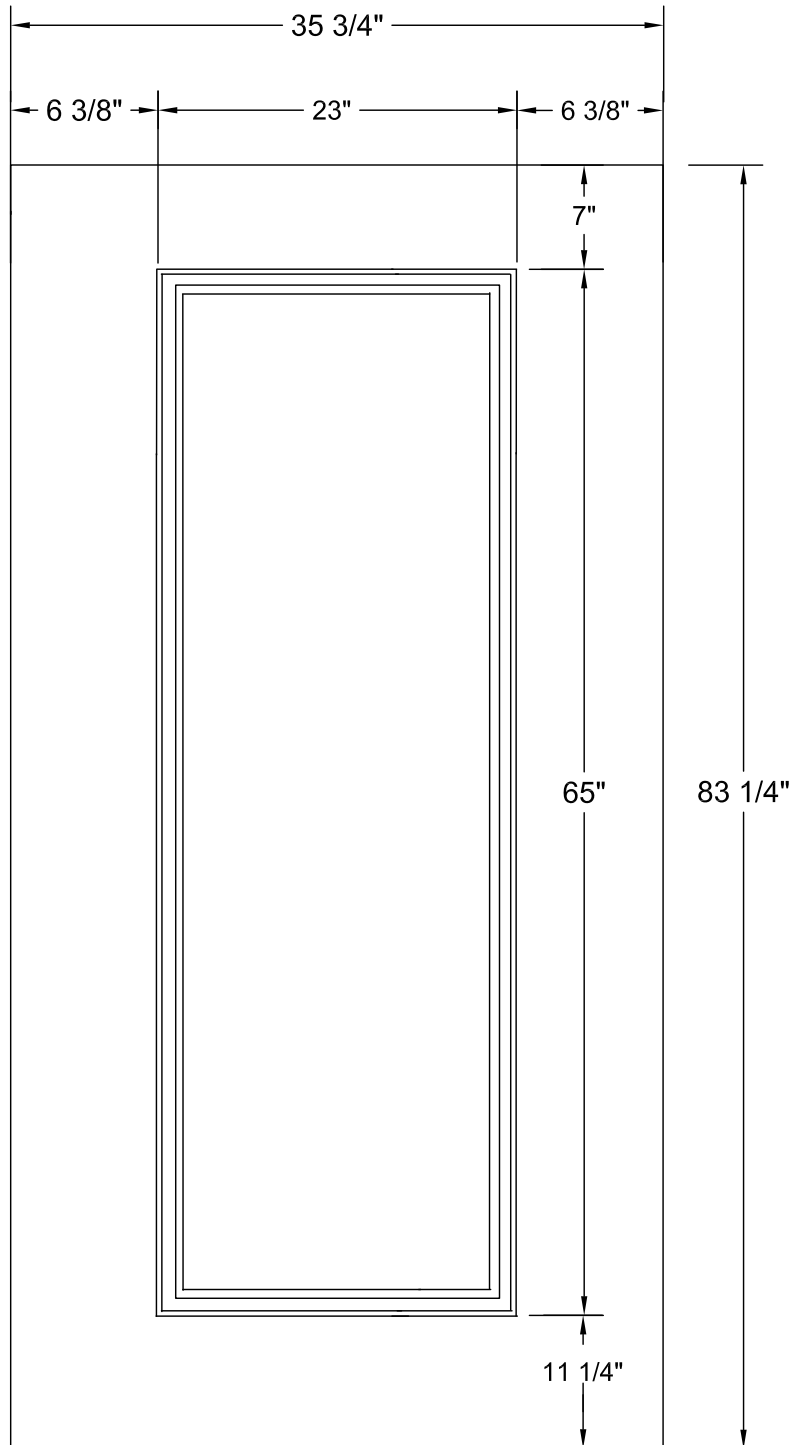


#### Insulation Values

Factor	Definition		
K	The rate at which heat flows thru a material. Values for insulation are normally based on one inch thickness of a single homogeneous material and are expressed in BTU/ft <sup>2</sup> /F/hr/inch.		
C	The rate at which heat flows thru a material of any given thickness. The "C" factor at one inch = "K" factor. The "C" factor of the same material at three inches is 1/3 of the "K" factor; at two inches the "C" factor is 1/2 the "K" factor.		
U	The overall coefficient of heat transfer (conductivity) for all elements of construction (as well as environmental factors). A "U" factor is determined by adding the "C" factors of the various individual materials making up the composite structure. Units are expressed as BTU/ft <sup>2</sup> /F/hr.		
R	A measure of the resistance to heat flow. As the thickness of the insulation material increases, the resistance to the heat flow increases. See the following common insulation materials for typical "R" factors:		
	<b>Material</b>	<b>1" thick</b>	<b>2"thick</b>
	Urethane	7.0	13.0
	Polystyrene	4.1	8.0
	Fiberglass (1# or less)	4.0	8.0
	Vermiculite	2.0	3.6
			<b>3"thick</b>
			20.0
			12.0
			12.0
			5.5

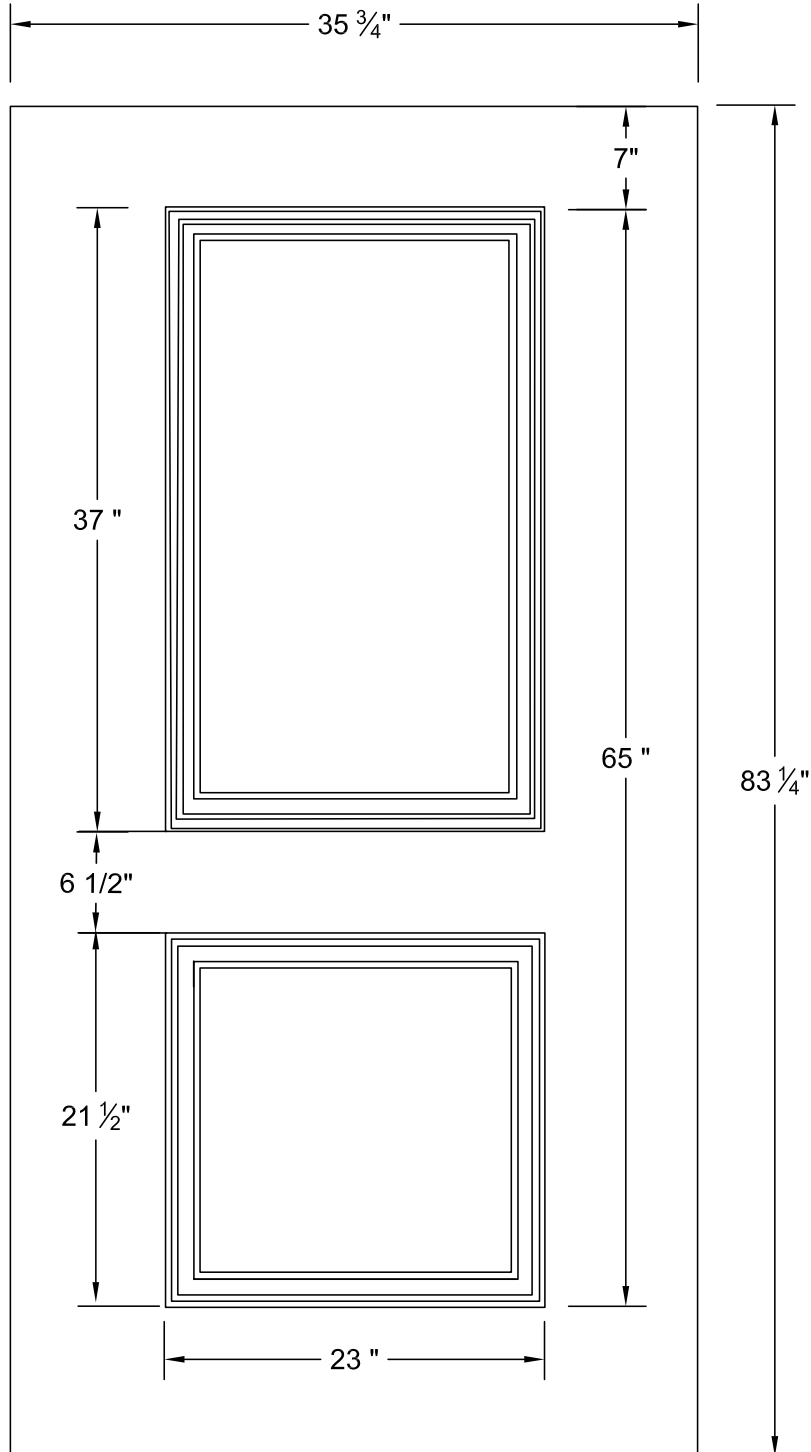
**SERIES EP1-EH1 DOORS**

**EMBOSSED HONEYCOMB & POLYSTYRENE 1 PANEL (MANHATTAN)**



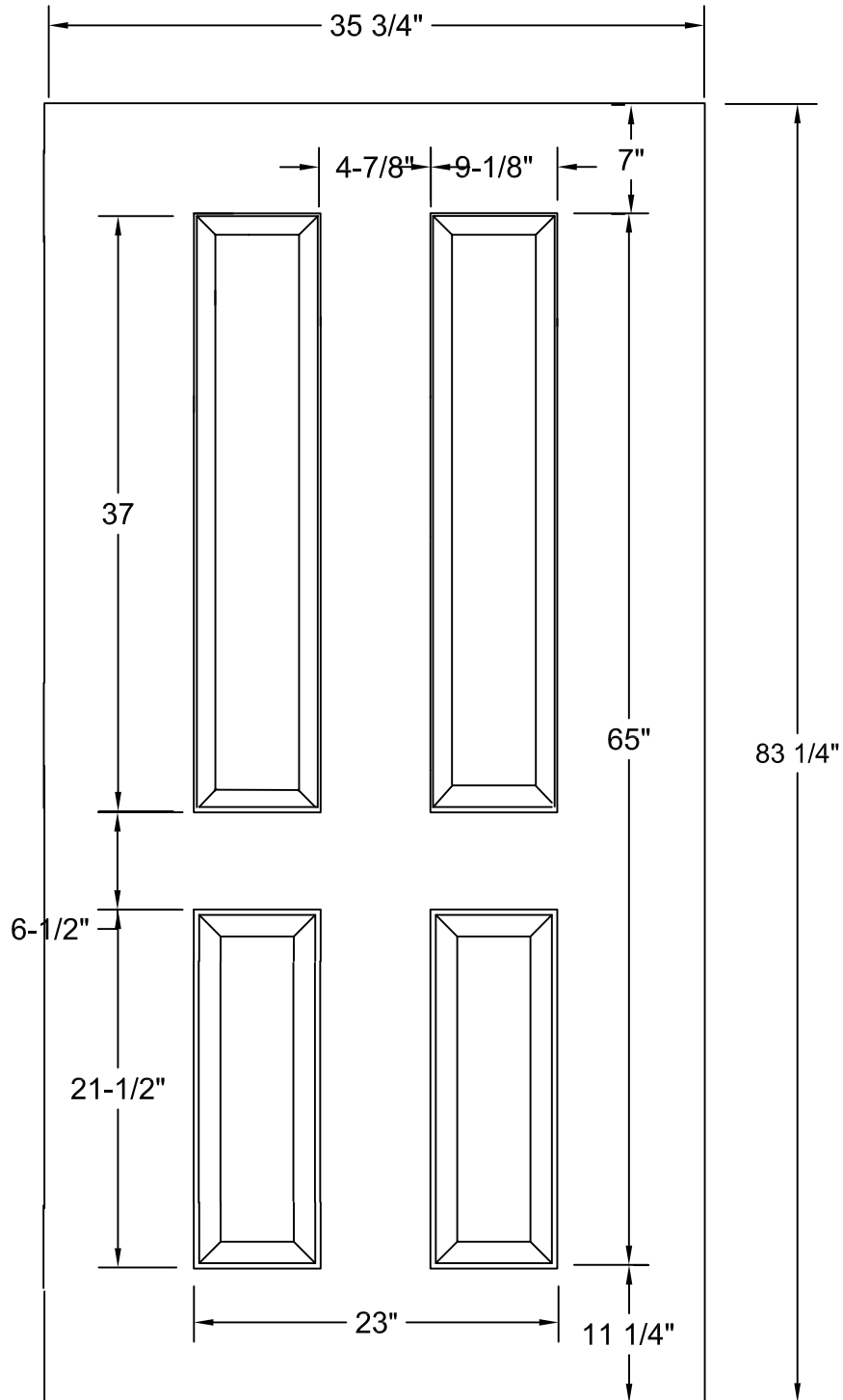
**SERIES EP2-EH2 DOORS**

*EMBOSSED HONEYCOMB & POLYSTYRENE 2 PANEL (3'-0" X7'-0" HD)*



**SERIES EP4-EH4 DOORS**

*EMBOSSED HONEYCOMB & POLYSTYRENE STANDARD 4 PANEL (3'-0"X7'-0")*



**SERIES EP6-EH6 DOORS**

*EMBOSSED HONEYCOMB & POLYSTYRENE STANDARD 6 PANEL (3'-0"X7'-0")*

