

## Spec Sheet

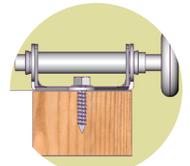
### What are the elements that make G-5000 doors thermally efficient?



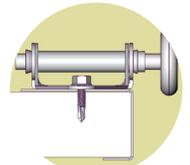
(Fig. #1)

1- The type of seals between the sections: Triple-contact PVC molding mechanically links the front and back metal sheets while preventing any contact between them thus eliminating any thermal transfer. (Fig. #1) *Prevents heat or cold from moving from the outside to the inside of the garage door and blocks air from entering between the sections.*

2- Wood end blocks: They perform a dual purpose by insuring a thermal break and providing better fastening for the end hinges which are attached to a 1 3/4" thick piece of solid wood with lag screws (Fig. #2). *Standard with most manufacturers for end hinge fastening is a self-tapping screw going through a steel end cap, door sheet and hinge strip for a total thickness of approximately 0.11" (2.7mm), thus engaging only about 2 or 3 threads (Fig. #3). Note: a steel end cap allows thermal transfer, thus reducing the advertised R-Value.*



(Fig. #2)



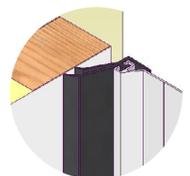
(Fig. #3)



(Fig. #4)

3- Bottom weather seal: Made of TPE (Thermoplastic Elastomer), "U"-shaped mounted on an extruded PVC retainer. (Fig. #4). *The high rubber content remains flexible during cold weather (-52° C or -62° F) maintaining the seal unlike other products that have a low rubber content which can harden in cold weather therefore causing seal failure, cracking and splitting over time.*

4- Door frame weather seal: Double lip seal overlapping the door by 1 3/4" (44 mm). (Fig. #5). *The aluminum extrusion on which the double lip seal is mounted is reinforced.* (Note: there are many ways to install the frame weather seals on the inside of the door frame to protect them in high traffic areas. Contact our technical department for more information.)



(Fig. #5)



(Fig. #6)

5- Top panel weather seal: Garaga offers an optional 3" (76 mm) weather seal that can be installed on the top panel (Fig. #6). *Providing extra weathertightness, it is recommended where weather conditions are extreme.*

The advertised R-Value of a sectional door means very little if the door does not have a complete thermal break system and a proper weather seal system around all four sides of the door and between the door sections. Without these features wind, heat and cold will make its way around the door and between the sections thus greatly reducing the R-Value of the door system.