LOW MAINTENANCE CASE STUDY

Door Engineering's Four-Fold door systems require only minimal preventative maintenance (PM) to keep them performing year after year, including greasing the hinges and inspecting the operator arms. By comparison, sectional doors require constant maintenance and typically fail before anything is done to them. Failure of the high tension springs can lead to damage to equipment and apparatus, delays in response to an emergency, or worse, injury to personnel. The four-fold door is the solution to these issues.

"The Four-fold doors have been on Station 1 since 1995 when it opened and we have spent $2,528.53 on door maintenance and repair since that time."

"The doors have been in Station 3 since 2004 and we have incurred $790.48 in maintenance and repair in that time period."

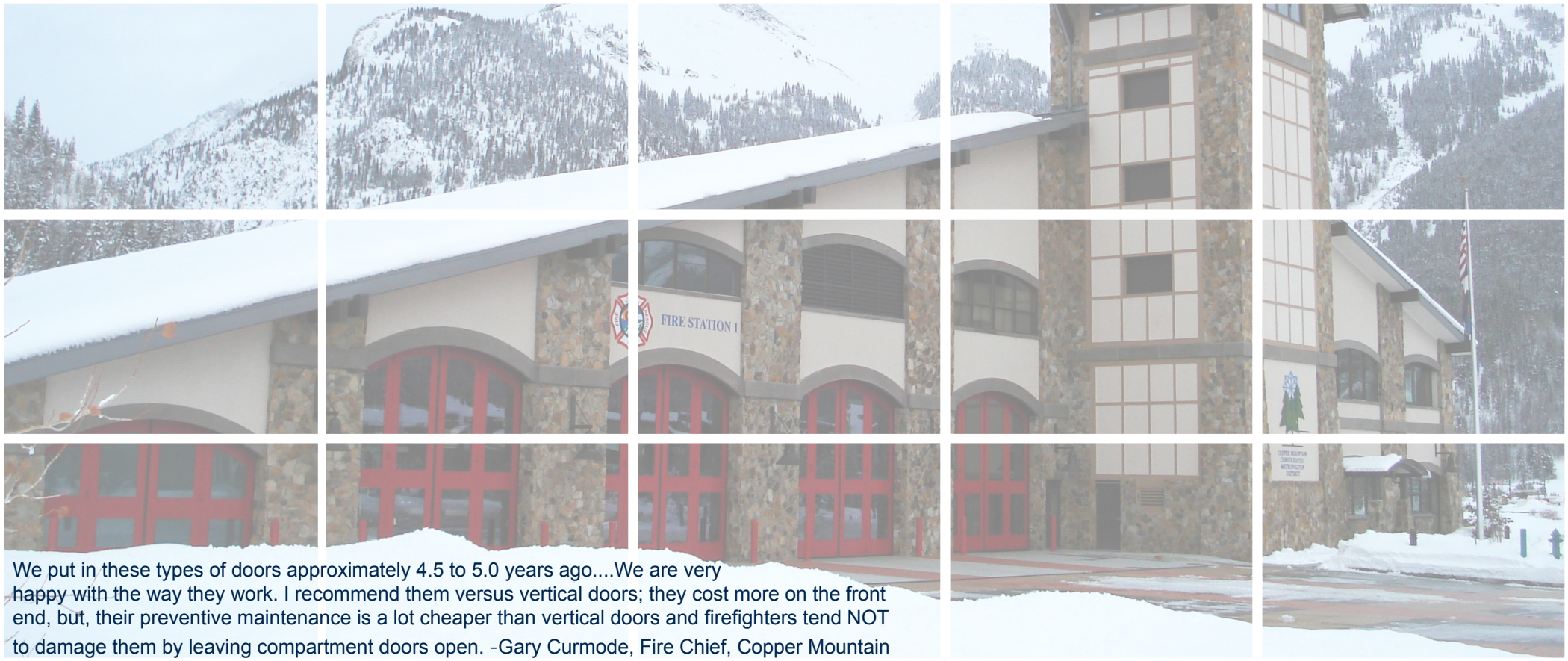
"The doors have been in Station 4 since 1999 and the amount of maintenance and repair for the doors has been $1209.67."

"The doors overall have been very durable and prompted us to come back and have them installed in our latest station project which is the relocation of Fire Station 2."

Curt Pronk,
Administrative Services Manager
City of Rochester, MN

Station 5

DOOR ENGINEERING
A SENNECA COMPANY



We put in these types of doors approximately 4.5 to 5.0 years ago....We are very happy with the way they work. I recommend them versus vertical doors; they cost more on the front end, but, their preventive maintenance is a lot cheaper than vertical doors and firefighters tend NOT to damage them by leaving compartment doors open. -Gary Curmode, Fire Chief, Copper Mountain Fire Dept, CO

FEATURES	FOUR-FOLD DOOR	SECTIONAL DOOR	WHAT IT MEANS FOR YOU
SPEED	6.5 seconds (at 16' wide)	15-20 seconds (at 14' tall)	FF-Door reduces response time & minimizes heating/cooling loss
OPENING/CLOSING MOVEMENT	Horizontal movement means door is always visible	Vertical movement causes blind spot for driver	FF-Door minimizes risk to door, equipment & personel
GLASS	1" inlsulated Low-E glass	1/4" single pane & 1/2" insulated glass	FF-Door minimizes heating & cooling loss when closed
HARDWARE	Designed & tested for over 1 million cycles	5-10 year use before replace-ment needed	FF-Door=$0 replacement maintenance parts Sectional Door= $500-$1000 every 5-10 years
SPRINGS	No Springs needed	Springs required for door operation	FF-Door=$0 and no risk of not being able to use the door, even in manual operation Sectional Door=$500-$1000 every 5-10 years. Spring failure can endanger equip-ment & personel, manual operation becomes impossible
MAINTENANCE	Grease hinges & inspect operators annually	Light weight parts & high tension springs require replace-ment or lead to failure	FF-Door annualy maintenance costs are siginicantly less and require considerably less time than a sectional door.