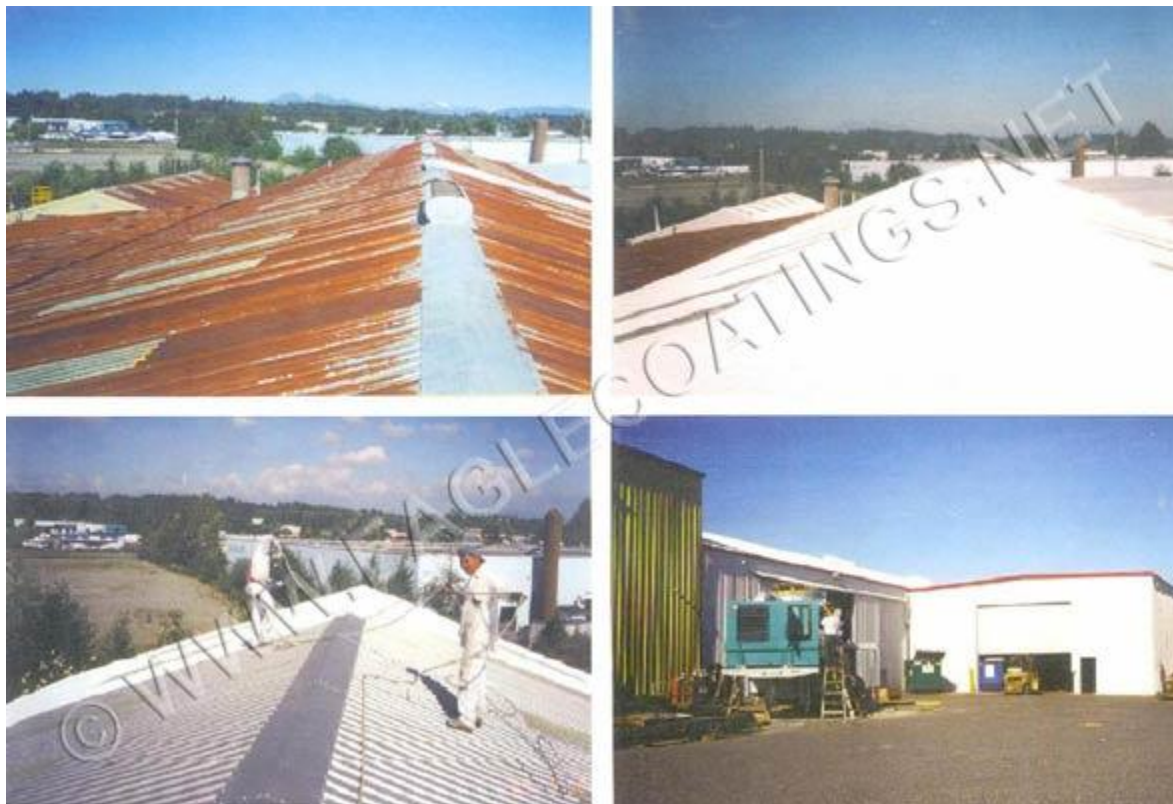


Thiessen Roof

1999

RUSTGRIP® as a Primer then **SUPERTHERM**®

In addition to this major asset literally rusting away, the rust was also acting as a heat sponge and making it extremely uncomfortable for the employees. The roof was rust proofed first with **RUSTGRIP**® as a Primer and then Insulated with **SUPERTHERM**® (1999). After the coating was applied, the building was noticeably cooler and more comfortable, making it a much more productive environment. The staff in the uncoated building wanted theirs done too. **SUPERTHERM**® provides the added environmental benefit of a reduced **HEAT ISLAND EFFECT**



These infrared scans were performed by Mr. Cliff Matheson, President of **CM Aquatec**, to demonstrate the effectiveness of **SUPERTHERM**® in not only keeping the heat OUT in the summer but also holding the heat IN during the winter (November 2000). Even though the **SUPERTHERM**® was only coated on the outside and consequently the interior metal substrate would absorb heat , when the heat via backside conduction reached the **SUPERTHERM**®, it was bounced back.



Building Thermal Investigation

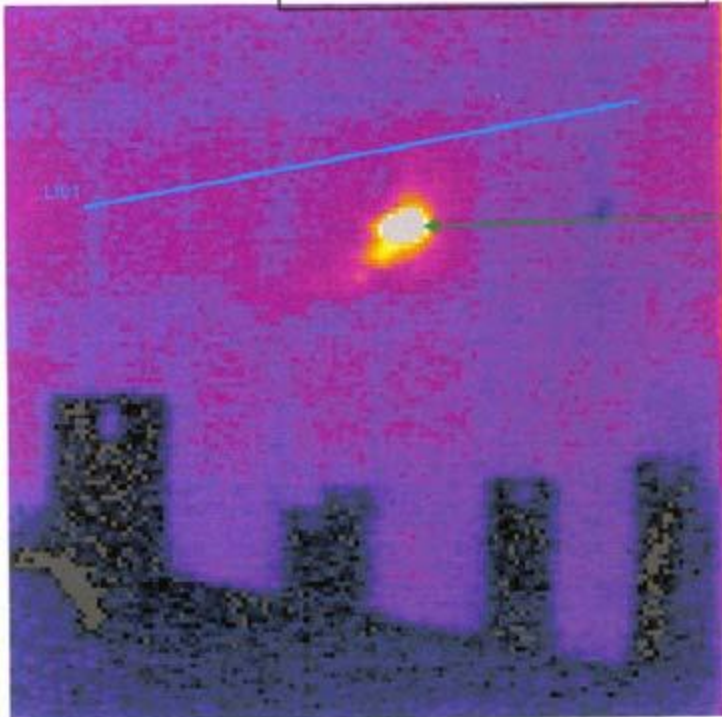
Infrared Scan

Thiessen Team # 02

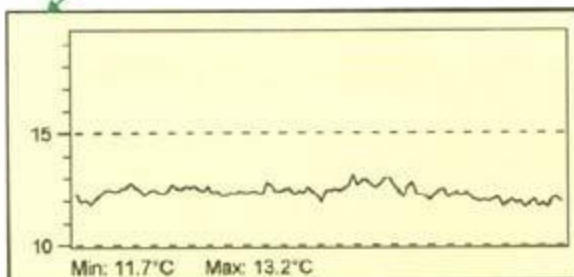
TEL: (604) 461-4322

FAX: (604) 619-8928

Location: East wall first building



Note the temperature uniformity of the exterior cladding. Without this coating all structural members would show hot



IR information	Value
Imager level value	15
Object parameter	Value
Emissivity	0.85
Label	Value
LI01 : cursor	-
LI01 : max	13.2°C
LI01 : min	11.7°C
LI01 : avg	12.3°C

As a further service to our valued customer several areas of significant heat loss and energy efficiencies were identified by CM Aquatec



Building Thermal Investigation

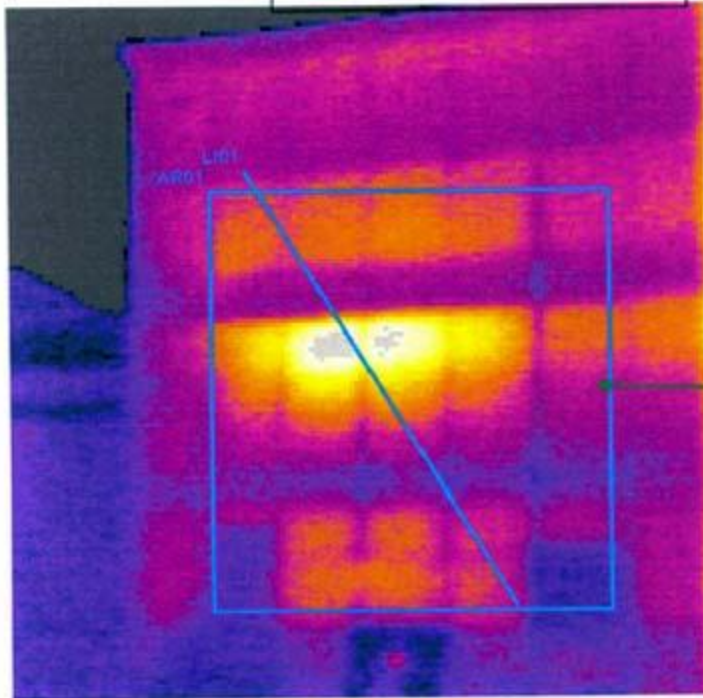
Infrared Scan

Thiessen Team # 04

TEL: (604) 461-4322

FAX: (604) 619-8928

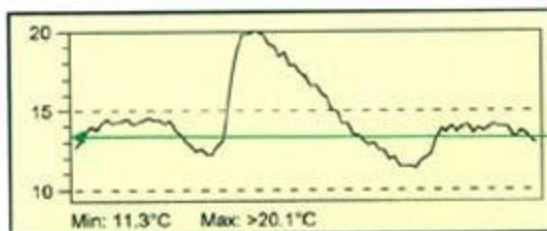
Location: East wall shorter building



Interior radiant heater location. Note heat loss from interior heaters. These heater are turned up hotter than for normal use but indicate the need to apply a ceramic coating strip to the interior as well as the exterior.

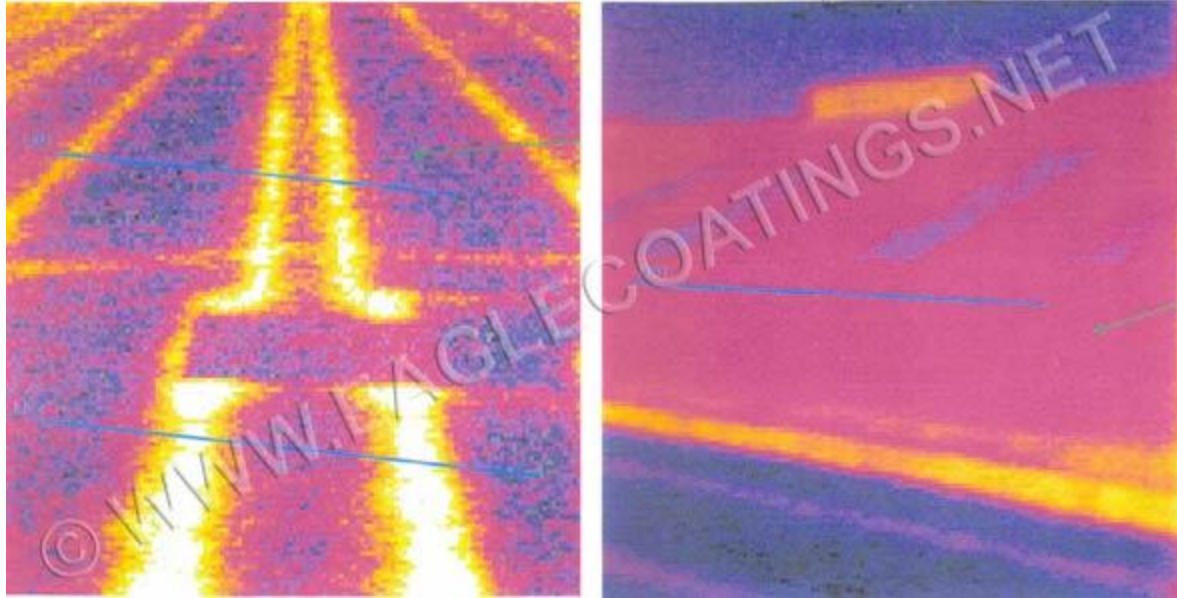
IR information	Value
Imager level val	15
Object paramet	Value
Emissivity	0.85
Label	Value
LI01 : cursor	-
LI01 : max	>20.1°C
LI01 : min	11.3°C
LI01 : avg	>14.5°C

Max. approximately 22°C
Interior at heater 60°C+



Average wall temp 14.5°C

In this particular application the two reflective ceramics are wasted because the source of the heat is via backside conduction and **SUPERTHERM**® was applied to the exterior only. If both sides had been coated however in either case all four ceramics would have come into play.



Uncoated roof insulated with fiberglassRoof with no fiberglass but insulated with **SUPER THERM**®

Over studs, ceilings and roofing to block and prevent heat gain or loss