

# SPECTRUM INFRARED

## Heating Solutions

### RAILCAR

## Heating Systems



### Proven Effective Electric Infrared Rail Car Thawing Systems and Components

- Clean
- Safe
- Efficient

#### ADVANTAGES OF ELECTRIC INFRARED:

- **Electric** all aluminum construction does not rust or corrode and has a life expectancy of 25-35 years.
- **Electric** heat can be controlled from 0-100% - with the versatility of controlling the electric heat - you **only** use the electricity needed to get coal out of the car and this results in significant dollar savings.
- **Electric** heaters have the fastest mean time to repair or replace – heaters can be replaced by two average men in less than 30 minutes or in less than 10 minutes with the quick disconnect option.
- **Electric** infrared heaters also use reflective panels, which do not burn the surface or contaminate them with soot.
- **Electric** is fast becoming an attractive alternative to natural gas.



**SPECTRUM INFRARED**  
A division of Advanced Detection Systems, Inc.  
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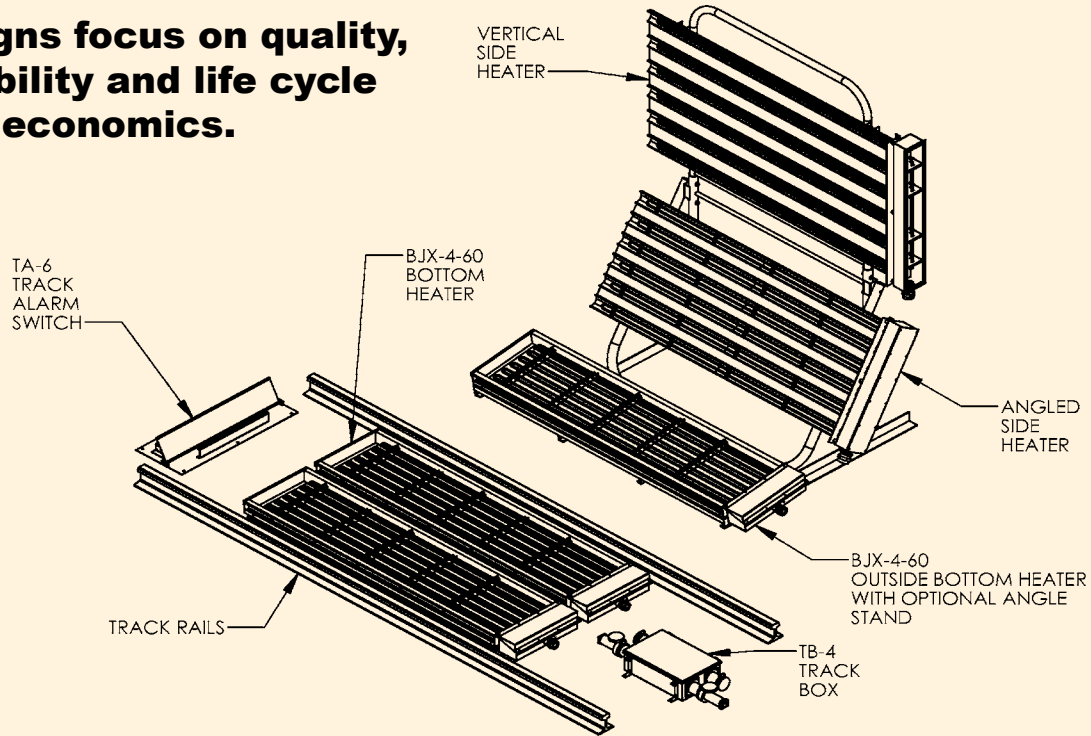
RAILCAR Heating Systems

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## Heating Solutions

### TYPICAL THAW SHED COMPONENTS

Designs focus on quality, reliability and life cycle cost economics.



UNLESS OTHERWISE SPECIFIED:		NAME	DATE	<b>SPECTRUM INFRARED</b> DIVISION OF ADS, 1440 E357 ST., EASTLAKE, OHIO 44095	
DIMENSIONS ARE IN INCHES		DRAWN			
TOLERANCES:		CHECKED		TITLE: SPECTRUM INFRARED TYPICAL THAW SHED COMPONENTS	
FRACTIONAL ±1/64		ENG APPR.			
ANGULAR/MACH ±0.5 BEND ±1 TWO PLACE DECIMAL ±.010 THREE PLACE DECIMAL ±.005		MFG APPR.			
INTERPRET GEOMETRIC TOLERANCING PER:		Q.A.		SIZE	
MATERIAL		COMMENTS:		<b>A</b>	CAGE CODE
FINISH					DWG. NO.
DO NOT SCALE DRAWING				SCALE: 1:36	SHEET 1 OF 2

A typical heater systems consist of under car heaters mounted parallel inside and outside the tracks, and angled side and vertical side heaters mounted on stands, track connection boxes, track alarm, power distribution cabinets, master control cabinet and all associated engineering.



Spectrum BJX4-60 Heater with Quick Disconnect (60 kw = 204,780 btu's)