

Bank Product Storage Building B72 FCCA for Cold Room 3
Functional and Component Criticality Assessment B72-B7200-FCCA-06

Part 2: FCCA - System Identification

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System ID Number	System Name	System Boundary Ref.
072BFC03	Cold Room 3 in Building 72	None

System Description

Building B72 includes three (3) air well regulated areas that have specific food items and/or meats stored in its storage racks for both product along with various other materials. Each of these three well regulated areas are internally fitted with a packaged refrigeration system consisting of air well panels, ceiling with exposed storage racks, air handling system, and ducting structure along with other controls.

The packaged refrigeration system is designed, fully integrated, prebuilt and available installation with existing ductwork, designed to meet the specified performance criteria within operating range of 2 to 70 for the well regulated storage conditions of 1 to 10 up to 2 to 37. The refrigeration storage rack configuration is specified storage pattern with 20 four glass containers and/or 100 four stainless steel vessels.

Each well-regulated is equipped with one (1) primary refrigeration system and one (1) backup system for both maintenance and redundancy. The refrigeration system consists of one (1) air handled unit with a heat exchanger of Building 72, four (4) refrigerant compressors within the interior of the cold room, with gas piping from condensing units to evaporator units, and a temperature controller with temperature sensor. Each unit is also provided with a control that monitors with an independent sensor for maintaining the interior temperature of the Cold Room.

The operation of the Cold Room 3, 2 and 1 are fully automated and controlled by PLC Temperature Controllers that provide both visual temperature status to the Building Alarm Monitoring System. The cold rooms open door alarm and refrigeration equipment fault alarms are hardwired to the Building Alarm Monitoring System. Additionally, the Refrigeration Compressor fault alarms are hardwired directly to the B72 and B6 Fire Alarm System. The compressors have the primary for backup refrigeration compressors are performed automatically based on either system failure or an alarm condition.

Part 2: FCCA - System Classification Approval

Inspect for Product Quality (check only)		Support is good (check only)	
Direct Inspect: <input checked="" type="checkbox"/>	Indirect Inspect: No Inspect <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Department	Project Name	Signature	Date
System Owner	Bank 72	<i>[Signature]</i>	1/1/2014
End User	Bank 72	<i>[Signature]</i>	1/1/2014
ATV/CAQ	Bank 72	<i>[Signature]</i>	1/1/2014
IEE	Bank 72	<i>[Signature]</i>	1/1/2014
IEE	Bank 72	<i>[Signature]</i>	1/1/2014
OP/OP	Bank 72	<i>[Signature]</i>	1/1/2014

* If applicable, use applicable to work only, if the applicable category of A.