

STATEMENT OF WORK  
FOR  
MAINTENANCE AND REPAIR  
OF  
COMMISSARY REFRIGERATION  
AND  
HEATING, VENTILATING, AND AIR-CONDITIONING SYSTEMS  
FOR THE  
WESTERN/PACIFIC REGION-KOREA ZONE  
OF THE  
DEFENSE COMMISSARY AGENCY (DeCA)

Camp Carroll  
Camp Casey  
Camp Edwards  
Camp Humphreys  
Camp Page  
Camp Stanley  
Chinhae Naval Base  
Hannam Village (Except HVAC System)  
Kunsan Air Base  
Osan Air Base  
Camp Hialeah  
Camp Walker  
Yongsan

***Attachment (1)***

STATEMENT OF WORK  
TABLE OF CONTENTS

SECTION	TITLE	PAGE
C-1	General .....	C-4
	Scope of Work .....	C-4
	Personnel .....	C-4
	Quality Control .....	C-6
	Quality Assurance .....	C-6
	Physical Security .....	C-6
	Conservation of Utilities .....	C-7
	Condition of Refrigeration System and Heating, Ventilating, and Air-Conditioning System ...	C-7
	Original Design of the Refrigeration System and Heating, Ventilating, and Air- Conditioning System .....	C-7
	Contractor Qualifications .....	C-7
	Storage .....	C-8
	Commissary Hours of Operations .....	C-9
C-2	Definitions .....	C-12
	Standard Definitions .....	C-12
	Technical Definitions Peculiar to this SOW....	C-12
C-3	Government Furnished Property and Service .....	C-14
	General .....	C-14
	Services .....	C-14
C-4	Contractor Furnished Items and Services .....	C-16
	General .....	C-16
	Material Quality Standard. ....	C-16
	Government Reimbursement for Items .....	C-16
C-5	Specific Tasks .....	C-18
	General .....	C-18
	Commissary Refrigeration System .....	C-18
	Commissary HVAC System .....	C-20
	Standards .....	C-20
	(Reserved) .....	C-20
	Refrigeration System Periodic Preventive Maintenance (PPM) .....	C-20
	HVAC System Periodic Preventive Maintenance...	C-21
	Emergency Service Work .....	C-22
	Equipment and/or HVAC Shutdowns .....	C-24

SECTION	TITLE	PAGE
	Advisory Calls .....	C-25
	Service Statements .....	C-25
	(Reserved) .....	C-25
	(Reserved) .....	C-25
	(Reserved) .....	C-25
C-6	General Contract Information .....	C-26
	Transportation Charges .....	C-26
	(Reserved) .....	C-26
	(Reserved) .....	C-26
	Invoice Preparation .....	C-26
	Payment .....	C-26
	Contracting Officer's Authority .....	C-27
	Supervision and Control .....	C-28
	Union Agreements .....	C-28
	Permits and Responsibilities .....	C-28
	Authority .....	C-28
	Smoking in Government Facilities .....	C-28
	Rights of the Government to Perform Functions With Its Own Personnel .....	C-28
	Liability .....	C-28
	Submission of Payroll Data in Support of Negotiations for Contract Price Adjustments	C-29
 TECHNICAL EXHIBITS		
1	Performance Standards .....	C-30
2	Workload Estimates .....	C-36
3	(Reserved) .....	C-37
4	(Reserved) .....	C-38
5	Government Furnished Items Equipment to be Maintained .....	C-39
6	Quality Standards (Temperature Limits) .....	C-70

## SECTION C-1

### GENERAL

1.1 SCOPE OF WORK: The Contractor shall provide all personnel, equipment, tools, materials, supervision, transportation, and other items and services necessary to perform maintenance on all commissary refrigeration systems and commissary heating, ventilating, and air-conditioning systems (HVAC) as defined in this Statement of Work (SOW), except as specified in Section C-3 as Government furnished property and services at various locations in Korea as listed in the schedule and as defined in this SOW. The Contractor shall perform to the standards in this contract. The estimated quantities of emergency work are listed in Technical Exhibit 2, Workload Estimates.

1.1.1 Delete/Add a Store. During the contract period various stores will be renovated and HVAC and/or refrigeration equipment may be replaced. During the renovation period and a one-year equipment warranty period after Government acceptance of the facility from the construction contractor, services under this contract will not be required and will be deleted from this contract. Upon completion of the warranty period, the commissary will be added to this contract by modification. A tentative renovation schedule is at Technical Exhibit 7.

### 1.2 PERSONNEL

1.2.1 Contract Manager. The Contractor shall provide a Contract Manager who shall be responsible for the performance of the work. The name of this person and an alternate(s), who shall act for the Contractor when the Manager is absent, shall be designated in writing to the Contracting Officer at the pre-performance conference.

1.2.1.1 The Contract Manager or alternate(s) shall have full authority to act for the Contractor on all contract matters relating to daily operation of this contract.

1.2.1.2 The Contract Manager or alternate(s) shall be available during normal duty hours within 24 hours after notification to meet on the installation with Government personnel designated by the Contracting Officer to discuss problem areas. After normal duty hours, the Manager or designated alternate shall be available within 48 hours.

1.2.1.3 The Contract Manager and alternate(s) must be able to read, write, and speak and understand English.

1.2.2 EMPLOYEES:

1.2.2.1 Contractor personnel shall present a neat appearance and be easily recognized. This may be accomplished by wearing distinctive clothing bearing the name of the company or by wearing appropriate badges which contain the company name and employee name.

1.2.2.2 (Reserved)

1.2.2.3 The Contractor shall not employ any person who is an employee of the United States Government if the employment of that person would create a conflict of interest nor shall the Contractor employ any person who is an employee of the Department of the Air Force, Army, Navy, or Marine Corps, either military or civilian, unless such person seeks and receives approval in accordance with applicable military and civil service standards.

1.2.2.4 The Contractor is cautioned that off-duty active military personnel hired under this contract may be subject to permanent change of station (PCS), change in duty hours, or deployment. Military Reservists and National Guard members may be subject to recall to active duty. The abrupt absence of these personnel could adversely affect the Contractor's ability to perform. Their absence, at any time, shall not constitute an excuse for nonperformance under this contract.

1.2.3 Security Requirements:

1.2.3.1 Where required, the Contractor shall obtain a personal identification card and vehicle pass for each employee and vehicle from the Pass and Identification Section of the Military Police Unit at each installation. A copy of the contract, driver's license, social security number, birth certificate, vehicle registration, proof of insurance, letter of authorization from the Contracting Office and the like may be required in obtaining vehicle passes and identification cards. These identification media shall be surrendered to the Pass and ID Section upon completion or termination of the contract, or upon termination of an individual's employment.

1.2.3.2 The rules and regulations of the installation(s) where services are performed shall apply to the Contractor and his employees while on the premises of such installation(s). These regulations include, but are not limited to, presenting valid identification for installation entrance, obtaining and using vehicle passes for all Contractor-owned and/or privately-owned vehicles, obeying all posted directives, and providing strict adherence to Military Police direction in instances where Military Police have been dispatched to a particular location.

1.3 QUALITY CONTROL: The Contractor shall establish and maintain a complete Quality Control Plan (QCP) to ensure the requirements of the contract are provided as specified. The QCP shall be submitted with the Technical Proposal, per section M. The QCP must be typewritten with a cover page identifying the plan and effective date. A final updated version adapted to the specific requirements of the SOW shall be submitted to the Contracting Officer by contract start date. An updated copy must be provided to the Contracting Officer whenever a Contract Discrepancy Report (CDR) warrants a change or as other changes occur.

1.4 QUALITY ASSURANCE. The Government will evaluate the Contractor's performance under this contract using the method of surveillance specified at Technical Exhibit 1. All surveillance observations will be recorded by the Government. When an observation indicates defective performance, the Quality Surveillance Representative (QSR) or Authorized Government Personnel (AGP) will request the Contractor's representative to initial that they are aware of the observation.

1.4.1 Performance Evaluation Meetings. The Contract Manager may be required to meet, at least weekly, with the QSR and the Contracting Officer during the first month of the contract. Meetings will be as often as necessary thereafter as determined by the Contracting Officer. However, if the Contractor requests, a meeting will be held whenever a Contract Discrepancy Report is issued. The Contracting Officer's written minutes of these meetings shall be signed by the Contractor's Manager, Contracting Officer, and Chief Inspector. Should the Contractor not concur with the minutes, the Contractor shall state any areas of nonconcurrency, in writing, to the Contracting Officer within 10 calendar days of receipt of the signed minutes.

1.4.2 Contractor's Liability. In the event that the Government experiences product loss, the Contractor may be "PECUNIARILY LIABLE" for the amount of the product loss. This liability shall be based on the Contractor's negligent performance, improper actions involving monthly maintenance, and/or failure to meet the conditions outlined in Section C-5, Specific Task.

1.5 PHYSICAL SECURITY. Contractor shall be responsible for safeguarding all Government property provided for Contractor use. At the close of each work period, Government facilities, equipment, and materials shall be secured. Upon arrival at the commissary, the Contractor shall request that commissary personnel unlock the doors at the mechanical rooms, allowing the contractor or his representative access to the refrigeration and HVAC equipment. The Contractor shall return to the commissary each day before his departure and request areas unlocked upon his arrival be locked and secured.

1.6 (Reserved)

1.7 CONSERVATION OF UTILITIES. The Contractor shall instruct employees in utilities conservation practices. The Contractor shall be responsible for operating under conditions which preclude the waste of utilities, which shall include:

1.7.1 Lights shall be used only in areas where and at the time when work is actually being performed.

1.7.2 (Reserved)

1.7.3 Water faucets or valves shall be turned off after the required usage has been accomplished.

1.8 CONDITION OF REFRIGERATION SYSTEM AND HEATING, VENTILATING AND AIR-CONDITIONING SYSTEM (HVAC). The Government does not warrant or certify the condition of the equipment upon acceptance of this contract. The Contractor shall accept the equipment in an "as is" condition.

1.9 ORIGINAL DESIGN OF THE REFRIGERATION SYSTEM AND HVAC SYSTEM. Refrigeration systems and HVAC systems shall not be changed or modified from their original size, design, and configuration without prior approval of the Contracting Officer.

1.10 CONTRACTOR QUALIFICATIONS:

1.10.1 The Contractor shall have a minimum of 5 years as a refrigeration repair contractor and company on commercial supermarket refrigeration systems and supermarket HVAC systems equal in type and complexity to the systems indicated in this SOW.

1.10.2 The Contractor shall have, in his employment, a minimum of one supermarket refrigeration mechanic that can meet the 2-hour response time at each installation for emergency repairs as defined in Section C-5 and have at least 5-years journeyman refrigeration experience in the field of commercial supermarket refrigeration and HVAC systems equal to type and complexity to the systems indicated in this SOW. Prior to contract start, the Contractor shall submit a final list of qualified mechanics for Contracting Officer acceptance. If during the contract period any changes to the list are required, these changes along with supporting information shall be submitted to the Contracting Officer for acceptance.

1.10.3 Within three months of contract start-up, the Contractor shall have in his employment a minimum of one person who has received a Field Service Training Certification from RGR

Technologies, Inc., Com-Trol Division, 535 Beer Road, Mansfield, OH, 44906, (the COM-TROL alarm system manufacturer) on proper installation and operation of monitoring alarm and/or control system(s).

1.10.4 On every occasion where the Contractor performs services, at least one qualified mechanic approved under 1.10.2 shall be sent to the job.

1.10.5 The contractor shall comply with all Federal, U.S. Forces Korea, and local environmental regulations and the laws, including but not limited to the Clean Air act, as amended, 42 U.S.C. 7401, et seq., the Solid Waste and Disposal Act, as amended, 42 U.S.C. 6905 et. seq., CERCLA as amended, 42 U.S.C. 9601 et. seq., the Natural Resource conservation and Recovery Act as amended 42 U.S.C. 6901 et. seq., and the USFK Environmental Governing Standards (et. seq is " and others") In the event that Federal and local regulations are in conflict, the Federal Standards shall be complied with.

1.10.6 (Reserved)

1.11 STORAGE. If the Contractor stores materials, tools and equipment within/or adjacent to the facilities to be maintained, it is at his own risk. The contractor shall coordinate with the local commissary manager on storage locations. The Government is not responsible for theft, damage, etc., of this property.

1.12 COMMISSARY HOURS OF OPERATION.

1.12.1 Normal commissary hours of operation are:

<u>STORE</u>	<u>DAYS</u>	<u>HOURS</u>
Camp Carroll	SUN	1000-1700
	MON	1100-1800
	TUES	CLOSED
	WED	1200-1900
	THUR	1100-1900
	FRI	1100-1800
	SAT	1100-1800

<u>STORE</u>	<u>DAYS</u>	<u>HOURS</u>
Camp Casey	SUN	1000-1800
	MON	1100-1830
	TUES	CLOSED
	WED	1100-1830
	THUR	1100-1830
	FRI	1100-1830
	SAT	1000-1800

<u>STORE</u>	<u>DAYS</u>	<u>HOURS</u>
Camp Edwards	SUN	1000-1700
	MON	1100-1900
	TUES	CLOSED
	WED	1100-1900
	THUR	CLOSED
	FRI	1100-1900
	SAT	1000-1700

<u>STORE</u>	<u>DAYS</u>	<u>HOURS</u>
Camp Humphreys	SUN	1030-1700
	MON	CLOSED
	TUES	1100-1800
	WED	1100-1800
	THUR	1100-1800
	FRI	1100-1800
	SAT	1100-1830

<u>STORE</u>	<u>DAYS</u>	<u>HOURS</u>
Camp Page	SUN	1000-1700
	MON	CLOSED
	TUES	1100-1900
	WED	1100-1900
	THUR	CLOSED
	FRI	1100-1900
	SAT	1000-1700

<u>STORE</u>	<u>DAYS</u>	<u>HOURS</u>
Camp Stanley	SUN	1000-1700
	MON	CLOSED
	TUES	1200-1830
	WED	1100-1830
	THUR	1100-1830
	FRI	1130-2000
	SAT	1000-1700

<u>STORE</u>	<u>DAYS</u>	<u>HOURS</u>
Chinhae Naval Base	SUN	CLOSED
	MON	CLOSED
	TUES	0900-1800
	WED	1100-1800
	THUR	0900-1800
	FRI	1100-1800
	SAT	1000-1600

<u>STORE</u>	<u>DAYS</u>	<u>HOURS</u>
Hannam Village	SUN	0900-1700
	MON	1100-1900
	TUES	CLOSED
	WED	CLOSED
	THUR	1000-1800
	FRI	1000-1800
	SAT	0900-1700

<u>STORE</u>	<u>DAYS</u>	<u>HOURS</u>
Kunsan Air Base	SUN	1200-1800
	MON	1200-1900
	TUES	CLOSED
	WED	1200-1800
	THUR	1200-1800
	FRI	1200-1900
	SAT	1000-1800

<u>STORE</u>	<u>DAYS</u>	<u>HOURS</u>
Osan Air Base	SUN	0930-1800
	MON	CLOSED
	TUES	1100-1900
	WED	1100-1830
	THUR	1030-1900

FRI 1030-1830  
 SAT 0930-1800

STORE  
 Camp Hialeah

DAYS HOURS  
 SUN 1200-1700  
 MON CLOSED  
 TUES 1000-1830  
 WED 1000-1800  
 THUR 1000-1830  
 FRI 1000-1800  
 SAT 0900-1700

STORE  
 Camp Walker

DAYS HOURS  
 SUN 1000-1700  
 MON CLOSED  
 TUES 1000-1900  
 WED 1200-1800  
 THUR 1000-1900  
 FRI 1000-1900  
 SAT 1000-1700

STORE  
 Yongsan

DAYS HOURS  
 SUN 0900-1700  
 MON CLOSED  
 TUES 1000-1900  
 WED 1000-1800  
 THUR 1000-1900  
 FRI 1000-1900  
 SAT 0900-1800

1.12.2 There are certain Federal holidays (New Year's Day, Martin Luther King Jr.'s Birthday, President's Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Veteran's Day, Thanksgiving Day, and Christmas Day as shown below) during which some or all of these commissaries are closed. There is no definite schedule. Should the Contractor choose to work in the commissary during these closed times, he should coordinate with the Commissary Officer at each site.

Holiday	Base Year	Option Year 1	Option Year 2	Option Year 3	Option Year 4
New Years Day	1 January 1999	3 January 2000	1 January 2001	1 January 2002	1 January 2003
Martin Luther King, Jr. Birthday	18 January 1999	17 January 2000	15 January 2001	21 January 2002	20 January 2003
President's Day	15 February 1999	21 February 2000	19 February 2001	18 February 2002	17 February 2003
Memorial Day	31 May 1999	29 May 2000	28 May 2001	27 May 2002	26 May 2003
Independence Day	5 July 1999	4 July 2000	4 July 2001	4 July 2002	4 July 2003
Labor Day	6 September 1999	4 September 2000	3 September 2001	2 September 2002	1 September 2003
Columbus Day	12 October 1998	11 October 1999	9 October 2000	8 October 2001	14 October 2002
Veterans Day	11 November 1998	11 November 1999	10 November 2000	8 November 2001	11 November 2002

Thanksgiving	26 November 1998	25 November 1999	23 November 2000	22 November 2001	28 November 2002
Christmas	25 December 1998	24 December 1999	25 December 2000	25 December 2001	25 December 2002

## SECTION C-2

### DEFINITIONS

#### 2.1 STANDARD DEFINITIONS.

2.1.1 Defective Service. A service output that does not meet the standard of performance associated with it in the Performance Standards.

2.1.2 Lot. The total number of service outputs in a surveillance period, as defined in the Acceptable Performance column of the Performance Standards.

2.1.3 - 2.1.4 (Reserved)

2.1.5 Quality Assurance. Those actions taken by the Government to assure services meet the requirements of the SOW.

2.1.6 Quality Surveillance Representative (QSR). A Government person responsible for surveillance of Contractor performance. A QSR will be appointed at each facility served under this contract.

2.1.7 Quality Assurance Surveillance Plan (QASP). An organized written document used for quality assurance surveillance. The document contains specific methods to perform surveillance of the Contractor.

2.1.8 Quality Control. Those actions taken by a Contractor to control the performance of services so that they meet the requirements of the SOW.

#### 2.2 TECHNICAL DEFINITIONS PECULIAR TO THIS SOW.

2.2.1 Emergency. An emergency is when the entering air temperature of a refrigerated display case, a walk-in storage room temperature, reach-in storage box temperature or room environment, is not within the limits shown in Technical Exhibit No. 6 to include the situation when the commissary experiences a power failure and upon restoration of power deficient temperatures occur as a result of equipment failing to start and commissary personnel are unable to start the equipment. An emergency also includes clogged display case drains. Commissary personnel must verify that display cases are indeed malfunctioning when a high limit is exceeded and are not just in defrost. This may be verified by the display case exceeding the high limit by more than 2 hours or the indicator lights at the compressor system. An emergency also includes refrigeration monitoring and alarm system failures.

2.2.2 Preventive Maintenance. Periodic checking, adjusting, and service of commissary refrigeration equipment and commissary HVAC equipment.

2.2.3 Major Equipment. Condenser coils, heat reclaim coils, and evaporator coils are major equipment.

2.2.4 Authorized Government Personnel (AGP). Commissary personnel authorized by the Contracting Officer to call the Contractor for emergency work and to log the time when the Contractor was called and when the Contractor arrived for emergency service and when repairs are completed. The Contracting Office shall notify the Contractor, in writing, of the names of authorized Government personnel.

2.2.5 Chief Inspector. A Government person who is the liaison between the QSRs at each installation and the Contract Administrator. This person shall compile and furnish all information including Contractor Discrepancy Reports and information to the Contract Administrator for determining payments and action. Also, ensures that each QSR performs his duties.

2.2.6 Technical Inspector. A Government person responsible for assisting the Chief Inspector in evaluating the technical aspects of the Contractor's performance. The Technical Inspector will provide the Chief Inspector guidance in design changes resulting from design deficiencies, work that may not be covered in the contract documents and other assistance on an "as needed" basis.

2.2.7 Mechanical Center. A component of a refrigeration system defined as a factory fabricated enclosure containing compressors, condensers, fans, wiring, bussing, piping, controls, etc.

2.2.8 Contract Discrepancy Report. Report for logging contractor's non-performance.

SECTION C-3

GOVERNMENT FURNISHED PROPERTY AND SERVICES

3.1 GENERAL. The Government shall provide the services listed below.

3.2 (Reserved)

3.3 SERVICES.

3.3.1 Utilities. The Government will furnish the electricity and water required in performing the services of this contract.

3.3.2 (Reserved)

3.3.3 Telephone. The Contractor may use commissary telephones for local calls pertaining to this contract. No long distance calls will be billed to the Government.

3.3.4 - 3.3.8 (Reserved)

3.3.9 Military Police and Fire Protection. Phone numbers at each installation for emergency reporting are:

<u>INSTALLATION</u>	<u>FIRE DEPARTMENT</u>	<u>MILITARY POLICE</u>
Camp Carroll	765-8530	765-8509
Camp Casey	730-2089/2090	730-4417/4418
Camp Edwards	734-5815	734-5335
Camp Humphreys	753-6173/6063	753-6600/6603
Camp Page	721-5285	721-5410
Camp Stanley	732-6617	721-5410
Chinhae Naval Base	762-5309/5506	762-5345/5804
Hannam Village	738-5020/5117	724-8179
Kunsan Air Base	782-4944	782-4944
Osan Air Base	911	911 / 784-5515
Camp Hialeah	763-3426/3559	763-7720/3334
Camp Walker	764-5901	764-5901

3.3.10 Maintenance Shop. A maintenance shop will be provided to the contractor by the government at the Yongsan Commissary. This Shop is approximately 750 square feet in space and is located adjacent to the mechanical mezzanine.

3.3.10.1 Utilities. The Government will provide the utilities for this space with the exception of telephone service.

3.3.11 Hannam Village HVAC System The facility that houses the store at Hannam Village belongs to the Korean National Housing Corporation. The Korean National Housing Corporation retains responsibility for the maintenance and repair of the building HVAC System. The contractor is not required, nor will it be compensated for, any maintenance or repair of the building HVAXC system.

## SECTION C-4

### CONTRACTOR FURNISHED ITEMS AND SERVICES

4.1 GENERAL. Except for those items or services specifically stated in Section C-3, Government Furnished Property And Services, the Contractor shall furnish everything required to perform this SOW.

4.1.1 The Contractor shall be responsible for removal of all materials and debris resulting from performance of this contract. All work areas shall be maintained in a clean and orderly manner (to include sweeping, mopping, and policing up) throughout each workday.

4.1.2 The Contractor shall have a computer terminal, telephone line, modem and printer at a location where the Contract Manager can access the temperature and system conditions from the refrigeration and monitoring and control/alarm system at the commissaries located at Camp Walker, Osan Air Base, and Camp Humphreys. During the contract period, if the Contractor receives an alarm condition from the alarm system(s), the Contractor will respond as if the call was an advisory call. The Contractor shall respond to the advisory call in accordance with para 5.10. The Contractor will respond to an emergency call as specified in Section C-5.

4.1.3 The Contractor shall safely, and in accordance with applicable local and national law and regulations, recapture, recycle, or safely dispose of all refrigerants removed from equipment and systems in the course of its activities under this contract. The Contractor shall not deliberately release refrigerants into the environment. All releases of refrigerants (in excess of quantities normally released during the course of routine and proper maintenance and repair operations for the equipment and systems involved) shall be reported to the Chief Inspector no later than the beginning of the next work day following the release. While release of excess quantities of refrigerants may be grounds for the Government's generation of discrepancy reports, failure to report release of excess quantities of refrigerants constitute breach of contract and may be grounds for termination of the contractor's right to proceed with the work.

4.2 MATERIAL QUALITY STANDARD. All parts, materials and equipment provided under this contract shall be new. Replacement parts, furnished by other than the original manufacturer, may be used only if the parts are equal to or better than the original and approved by the Contracting Officer. Remanufactured compressors may be used provided the compressor is furnished by a manufacturer authorized and approved by the original equipment

manufacturer (OEM) and only upon written approval of the Contracting Officer.

#### 4.3 GOVERNMENT REIMBURSEMENT FOR ITEMS.

4.3.1 Each individual part or individual piece of equipment (installed under periodic preventive maintenance or emergency repairs) that costs more than \$5,000 shall be reimbursed by the Government. If a crane is used to lift reimbursable parts (reimbursable parts as defined herein) in place, reasonable rental costs for the crane (including operator) shall be reimbursed by the Government. The established cost of this \$5,000 part and crane rental shall be at reasonable actual cost invoiced to the Contractor including cash and trade discounts and rebates. The contractor shall submit documentation to substantiate the reasonableness of the cost, i.e., three price quotes or manufacturers catalog price list.

4.3.2 (Reserved)

4.3.3 Before the Contractor replaces equipment (parts or whole) or rents equipment [for the purpose of placing reimbursable equipment (parts or whole) in place, i.e., crane and operator], that is reimbursable as defined in 4.3.1, the Contractor shall seek approval of the Contracting Officer. The Contracting Officer and the Contractor shall negotiate cost prior to equipment purchase or rental. The failure of the Contractor to seek the Contracting Officer approval prior to purchase or rental could result in the Contractor not being reimbursed.

4.3.4 The Government shall pay the Contractor for reimbursable parts upon their approval and installation and receipt of an invoice. The Contractor will be reimbursed at the established cost as defined in 4.3.1. The Government will not reimburse labor costs to install reimbursable parts.

SECTION C-5

SPECIFIC TASKS

5.1 GENERAL. The Contractor shall provide all personnel, equipment, tools, materials, supervision, transportation, and other items and services necessary to repair and maintain the commissary refrigeration systems and HVAC systems specified at various locations in Korea, as listed in the schedule and as defined in this SOW, except as specified in Section C-3 as Government furnished property and services.

5.1.1 Facility Sizes. The approximate sizes of the stores specified in 5.1 are as follows:

<u>INSTALLATION</u>	<u>FACILITY SIZE (In Approx. Square feet)</u>
Camp Carroll	8,103
Camp Casey	14,296
Camp Edwards	4,048
Camp Humphreys	8,421
Camp Page	3,510
Camp Stanley	10,256
Chinhae Naval Base	9,500
Hannam Village	8,210
Kunsan Air Base	12,426
Osan Air Base	86,825
Camp Hialeah	9,313
Camp Walker	74,042
Yongsan	93,341

5.2 COMMISSARY REFRIGERATION SYSTEM. The commissary refrigeration system at each installation includes, but is not limited to, all equipment (including all components/appurtenances internal or incidental to each piece of equipment required for a complete, operational system) listed in Technical Exhibit 5

including display cases, unit coolers, reach-in storage boxes, condensers, heat reclaim coils, hot water reclaim coils, compressor systems, condensing units, blast freezers, cooling towers, and refrigeration monitoring and alarm systems. In addition to equipment listed in Technical Exhibit 5, the commissary refrigeration system at each installation includes defrost power wiring between compressor systems and unit coolers, and between compressor systems and display cases; control wiring between compressor systems and display cases; control wiring between compressor systems and unit coolers, between unit coolers and between compressor systems and display cases; all wiring, controls and components that are part of, in the control panels of, or internal to display cases, unit coolers, condensers, heat reclaim coils, hot water reclaim coils, compressor systems, cooling towers, and refrigeration condenser water pumps; all wiring, controls, and components of remote defrost panels and refrigeration control panels (not Heating, Ventilating, and Air-Conditioning panels); the mechanical centers and their ventilating fans and controls, power wiring and buss bars, wire ways, lighting circuits, switch light fixtures, circuit breakers, and the mechanical center main disconnect, whether mounted inside or on the exterior of the mechanical center; hot water circulating pumps for circulating water through hot water reclaim coils and also includes heat reclaim valves; all refrigeration piping including repairing piping insulation, insulating any uninsulated suction piping and headers and condensate drain piping (cold), and supports connecting compressor systems to and internal to display cases, condensers, heat reclaim coils, unit coolers, hot water reclaim coils, and interconnecting display cases, unit coolers, heat reclaim and hot water reclaim coils, heat reclaim coils and condensers, and hot water reclaim coils and condensers; the monitoring and alarm system sensor probes, wiring, control panel, annunciator panel, probe junction box, power alarms unit, communicator, telephone dialer, dialer interface, modem and internal components of each (If the monitoring system includes control, the system will be listed as a Refrigeration Monitoring and Control System in Technical Exhibit 5. If the system is a Refrigeration Monitoring and Control System, the system includes all transducers, relays, sensors, CRT terminal, printer, and components to make a complete and operational system in addition to the items included under a refrigeration monitoring and alarm system.); automatic water treatment systems for refrigeration condenser water systems and refrigeration condenser water piping and pumps; all walk-in storage rooms to include lights, light switches, ballasts, sockets, electrical wiring, thermostats, control wiring, unit coolers, unit cooler drain pans, the drain line from the unit coolers, the heat tape on the drain line up to the edge of the floor drain, freezer vent heaters, doors, door gaskets, door frame heaters, and door hardware including hinges, guides, latches, etc, and all air curtains at facility doors and unit

cooler doors. Exception: Several of the commissaries utilize some free standing, mobile, vendor owned display cases. These units are not the property of DeCA and are not included in the pieces of equipment to be maintained in Technical Exhibit 5.

5.3 COMMISSARY HVAC SYSTEM. The commissary HVAC system at each installation includes, but is not limited to, all equipment (including all components/appurtenances internal or incidental to each piece of equipment required for a complete, operational system) listed in Technical Exhibit 5 including air handling units with associated heating and cooling coils, chillers, pumps, cooling towers, condensers, condensing units, compressors, boilers, return air fans, exhaust fans, heat exchangers, package air-conditioning units, desiccant dehumidifying units, desiccant dehumidifying and air-conditioning units, humidifiers, duct-mounted heaters, duct-mounted coils, steam and hot water converters, unit heaters, variable air volume units, and make-up air units. In addition to the equipment listed in Technical Exhibit 5, the commissary HVAC system at each installation includes control systems including all wiring, control panels, dampers, sensors, controllers, control valves, relays and components for proper operation of each piece of equipment; air compressors, air tanks, refrigerated air dryers, filters, gauges, drain traps, valves, automatic dumps, pressure reducing valves, components associated with pneumatic controls, and air compressors for a complete air station for pneumatic control systems; piping (water, refrigerant, and pneumatic) connecting pumps, chillers, boilers, coils, condensers, and control components including repairing pipe insulation, duct insulation and supports; insulating any supply duct work, steam piping, refrigerant suction piping, hot water, chilled water and condensate drain (cold) piping not insulated; water treatment systems associated with equipment specified; all motorized, gravity, and manual dampers associated with each fan system; and all piping, pumps, strainers, valves, oil heaters, gauges, meters, day tanks, and the like for oil-fired and dual fuel boilers utilizing fuel oil (excludes the main oil storage tank).

5.4 STANDARDS. All checks, tests, and calibrations performed under this SOW shall be performed in accordance with best commercial practices to operate the refrigeration system(s) and HVAC system(s) at its most energy efficient level while maintaining display case entering air temperatures, walk-in storage room temperatures, and reach-in storage box temperatures and room environments to include, but not be limited to, recommended control set points, refrigerant levels, oil levels, time delays, pressures, temperatures, voltages, amperages, defrost times, part numbers, oil and refrigerant types, velocities, alarm guard times and temperatures, and operational characteristics.

5.5 (Reserved)

5.6 REFRIGERATION SYSTEM PERIODIC PREVENTIVE MAINTENANCE (PPM). PPM shall begin during the first day of the calendar month noted on the bid schedule. The Contractor shall perform PPM at least monthly to keep each refrigeration system in good repair and in proper and efficient operating condition at minimum energy consumption and to maintain the display case entering air temperatures, walk-in storage room temperatures, and reach-in storage box temperatures shown in Technical Exhibit 6, at all times. This PPM shall include, but is not limited to, all repairs, checks, tests, calibrations, adjustments, replacements of failed parts, cleaning condensers, cooling towers, evaporators, heat reclaim coils, compressors, display case discharge air grilles, fans, and motors as needed; adding and maintaining refrigerant and oil to proper levels; securing any loose sheet metal parts, covers, partitions, grilles, etc., on all refrigeration equipment as needed; lubricating all parts needing lubrication; replacement of deficient display case and walk-in ballasts as needed, replacement of lamps, lamp sockets, etc., for proper operation of display case and walk-in lighting; properly sealing display case and walk-in storage room penetrations as needed; replacement of the refrigerant suction line and drain (cold) line insulation that may come loose or deteriorate during contract period; properly maintaining the unit cooler drain pan, the drain line from the unit cooler, maintaining the drain line heat tape in a properly operating condition; properly maintaining the door, maintaining the door gaskets to ensure excessive leakage does not occur, maintaining door hardware to ensure proper operation to prevent excessive leakage, maintaining the door frame heaters in a properly operating condition, maintaining the refrigeration monitoring and alarm or control system in a properly operating condition; clearing all display case drains (does not include floor drains under display cases) as needed; and maintaining chemical water treatment of refrigeration condenser and evaporative water systems; repair of strip curtains that are damaged due to normal "wear and tear." This PPM shall include, but is not limited to, all tasks listed under the Commissary Refrigeration System as needed.

5.7 HVAC SYSTEM PERIODIC PREVENTIVE MAINTENANCE (PPM). PPM shall begin during the first day of the calendar month noted in the bid schedule. The Contractor shall perform PPM at least monthly to keep each HVAC system in good repair and in proper and efficient operating condition at minimum energy consumption and to maintain the room environments (room environments served by the HVAC systems specified in Technical Exhibit 5 and measured at the thermostat location) in Technical Exhibit 6, at all times. This PPM shall include, but is not limited to, all repairs,

checks, tests, calibrations, adjustments, replacements of failed parts, cleaning, lubrication, maintaining oil and refrigerant levels, and maintaining chemical water treatment of chilled water, hot water, steam makeup water, condenser water, and evaporative water of the HVAC system. Work also includes cleaning condensers coils, heat exchangers, compressor fans and motors, securing any loose metal parts, etc. on HVAC equipment, repairing all piping and ductwork insulation that may come loose during contract period and replacing any refrigerant suction line insulation that may come loose or deteriorate during contract period. This PPM shall also include, but is not limited to, all tasks listed under the Commissary HVAC system as needed.

5.8 EMERGENCY SERVICE WORK. Emergency service work shall begin during the first day of the month and year as noted on the bid schedule of the contract documents. The Contractor shall immediately respond to calls by an AGP and report to each commissary and repair the equipment within the time limitation specified. When the Contractor arrives at the commissary, he shall report to QSR or AGP and notify them that he has arrived. The Contractor shall notify QSR or AGP when repairs are complete.

5.8.1 Emergency Service Work Calls for Refrigeration System. The Contractor shall respond and arrive at each commissary within 2 hours and shall repair refrigeration equipment to proper operation within 24 hours after the Contractor or his representative receives a request for emergency repairs. If the Contractor does not repair the equipment to proper operation within 24 hours of a request for emergency repairs, the Contracting Officer will take appropriate action as defined in Performance Standards (Technical Exhibit 1), to protect the integrity of the refrigeration system. Non-availability of parts for replacement does not relieve the Contractor of the 24-hour requirement except those parts that are defined as major equipment in Section C-2. Major equipment must be procured and installed within 5 calendar days of a request for emergency repairs. The Contractor shall be available for emergency repairs 24 hours a day, 7 days a week.

5.8.2 Emergency Service Work Calls for HVAC System. (Exception to this is the computer room air-conditioner which requires the same emergency service as Refrigeration System equipment in para 5.8.1 above.) The Contractor shall respond and arrive at each commissary not later than 9:00 a.m. on the next day following the emergency call and shall repair the HVAC equipment to proper operation within 24 hours after the response time deadline. If the Contractor does not repair the equipment to proper operation within 24 hours of the response time deadline, the Contracting Officer will take appropriate action as defined in Performance Standards (Technical Exhibit 1). Parts for replacement requiring special order due to non-availability locally relieves the

Contractor of the 24-hour requirement provided a written justification is received and approved by the Contracting Officer. The written justification shall list the non-available parts required, the expected delivery date, the means of shipment, and the anticipated completion date. The Contractor shall make every effort to expedite purchase and delivery of such parts by using special means of shipment.

5.8.3 Emergency Service Work Call Requests. Emergency Service Work Call requests will be made only by authorized Government personnel. The Contractor is required to accept calls from only these authorized Government personnel. The list of authorized Government personnel for each installation will be furnished by the Contracting Officer at the pre-performance conference.

5.8.4 Emergency Telephone Numbers. The Contractor shall furnish at least one, but no more than three, telephone number(s) at which the Contractor or his representative(s) can be contacted 24 hours a day, 7 days a week. The list of telephone numbers shall be prioritized in the order that authorized Government personnel should try them. These numbers will be called when an Emergency Service Work Call is needed.

5.8.5 Emergencies Resulting From Power Failures. The Contractor is responsible for making Emergency Service Work Calls (upon request by authorized Government personnel) for restarting equipment when the commissary experiences power failures and upon restoration of power the equipment fails to start (and commissary personnel are unable to start the equipment) and deficient temperatures and/or room environment result. In the event the Contractor makes an Emergency Service Work Call and discovers that there is no power being fed to refrigeration and/or HVAC equipment as a result of a failed breaker, feeder, etc., the Contractor shall notify the Commissary Manager. The Commissary Manager shall have the installation electric shop restore power to this equipment. In the event the Contractor makes an Emergency Service Work Call and discovers there is no power being fed to the mechanical center main disconnect, the Contractor shall notify the Commissary Manager. The Commissary Manager shall have the installation electric shop restore power. The Contractor is responsible for making repairs as a result of failed breakers, wiring, etc., within the mechanical center. Once power is restored, the Contractor shall ensure that the refrigeration and/or HVAC equipment starts and operates correctly.

5.8.6 Government Reservation of Rights for Emergency Service. The Government reserves the right to either make emergency repairs or procure the service for emergency repairs from an alternative source/firm if the Contractor does not repair the equipment (refrigeration system or HVAC system or both) to proper

operation within 24 hours of a request for emergency repairs.  
The Contractor agrees to be liable to the Government for incurred  
or excess costs.

5.9 EQUIPMENT AND/OR HVAC SHUTDOWNS.

5.9.1 The following are maximum allowed off-times for equipment shutdowns. The off-times shall be at the beginning of each 8-hour or 24-hour period shown:

- a. Condenser - 1 hour within an 8-hour period.
- b. Unit Coolers - 2 hours within an 8-hour period.
- c. Display Cases - 6 hours within a 24-hour period.
- d. Compressors - 1 hour within an 8-hour period.
- e. HVAC Equipment - 8 hours within a 24-hour period.

5.9.2 Display Case Outages. Display cases shall not be turned off during store operation hours as specified in Section C-1, para 1.12.1.

5.9.2.1 On days the store has normal store operation hours, adequate time shall be allowed after store closing for unloading of display cases by store personnel. The Contractor shall begin work on the display cases immediately after being unloaded by store personnel. No more than 10 percent of display case shall be shut down within a 24-hour period. For stores having less than 10 display cases, no more than one case will be shut down at any time.

5.9.2.2 On days the store is normally closed, adequate time shall be allowed at the beginning of the day for unloading of display cases by store personnel. The Contractor shall begin work on the display cases immediately after being unloaded by store personnel. No more than 25 percent of display case shall be shut down within a 24-hour period.

5.9.2.3 Compressor systems on a multi-compressor system shall be alternately turned off and on when performing periodic maintenance to preclude the suction temperature from rising above a point where display case or storage room temperatures are affected. Compressors on single compressor systems may be shut down for a period not to exceed times specified in 5.9.1.

5.9.2.4 A written notice to the Commissary Manager through the QSR shall be submitted at least 3 working days in advance of display case shutdowns except when being repaired under an Emergency Service Work Call.

5.9.2.5 A written request to the Contracting Officer shall be submitted for any equipment (condensers, unit coolers, display cases, compressors) shutdowns that will exceed the times or parameters specified in 5.9.1 through 5.9.2.4 except when repairing equipment needing immediate repair under an Emergency

Service Work Call. The request shall be submitted 5 working days in advance of the shutdown date. The Contracting Officer shall consult with the Commissary Manager in approving or disapproving the shutdown request. The Government reserves the right to approve or disapprove the request and to specify an alternate date and time when the shutdown is allowed if different from the shutdown date and times requested by the Contractor.

5.10 ADVISORY CALLS. The QSR may call the Contractor at the emergency telephone number and advise him about commissary refrigeration or HVAC system equipment that the QSR does not consider to be functioning properly, but is not defined as an emergency. These will be advisory calls only. The Contractor has sole responsibility for determining if he needs to respond and repair the identified problem or do the repair during his next scheduled periodic preventive maintenance. The Government is not liable for failure to call the Contractor in these situations. Any trips the Contractor chooses to make as a result of an advisory call shall be considered as a periodic preventive maintenance visit.

5.11 SERVICE STATEMENTS. The Contractor shall provide a separate service statement upon completion of each Emergency Service Work Call and Periodic Preventive Maintenance visit. The service statement shall list all material (and amount of refrigerant, system charged, and the like for purposes defined in Section C-4, para 4.3) and man hours provided, reason for the call (i.e., Emergency call, preventive maintenance visit, description of work, serial number of equipment/part repaired or provided, and the names of person(s) doing the work to include whether they are a journeyman or apprentice, and shall be signed by the QSR or AGP as defined in Section C-2. A copy shall be left with the Government person signing the service statement and a copy shall be filed separately in the appropriate Emergency Service Work Call file or Periodic Preventive Maintenance file. A copy of this file will be provided to the QSR at the end of the first six month period and at the end of the eleventh month.

5.12 - 5.14 (Reserved)

SECTION C-6

GENERAL CONTRACT INFORMATION

6.1 TRANSPORTATION CHARGES. The contractor shall bear the cost of transportation whenever the equipment is shipped for reasons of repair or for replacement purposes unless the repair or replacement is due to fault or negligence of the Government. The Government will reimburse normal shipping/ mailing charges for installed parts valued over \$5,000.

6.2 (Reserved)

6.3 (Reserved)

6.4 INVOICE PREPARATION. Billing under this contract shall be accomplished by the submission of properly prepared invoices. A proper invoice must be prepared in accordance with FAR 52.232-25, "Prompt Payment" as set forth in Section I of this contract. The invoice must include the below listed items to be considered properly prepared.

a. Name and address of the Contractor.

b. Invoice date.

c. Contract number or other authorization for supplies delivered or services performed (including order number and contract line item number).

d. Description, quantity, unit of measure, unit price, and extended price of supplies delivered or services performed.

e. Shipping and payment terms (e.g., shipment number and date of shipment, prompt payment discount terms). Bill of lading number and weight of shipment will be shown for shipments on Government bills of lading.

f. Name and address of Contractor Official to whom payment is to be sent (must be the same as that in the contract or in a proper notice of assignment).

g. Any other information or documentation required by other requirements of the contract (such as evidence of shipment).

6.5 PAYMENT.

a. Payment of services performed under this contract shall be made monthly upon issuance of Certificate of Satisfactory Service by the inspection activity.

b. The Contractor, no earlier than the end of each billable month, shall submit a properly prepared itemized invoice to the appropriate office listed below, for inspected and accepted services rendered in accordance with this contract. Payment will be made upon the basis of these invoices. Invoices will be submitted in original and two (2) copies to: Commander, Attn: CEPOF-CT-P, USAEDFE (FED) Compound, Bldg. S-67, #40, 5-Ka, Ulchiro, Chung-Ku, Seoul, Korea.

c. Contractor is directed to the General Provision of this contract entitled "Payments." For preparation of invoices, see para 6.4 above.

d. The Contractor shall submit invoices in original and two (2) copies for reimbursable costs listing the part number, serial number or model number, and manufacturers invoice to the following address. The Contractor shall submit invoices to: Commander, Attn: CEPOF-CT-P, USAEDFE (FED) Compound, Bldg. S-67, #40, 5-Ka, Ulchiro, Chung-Ku, Seoul, Korea.

e. Reserved

#### 6.6 CONTRACTING OFFICER'S AUTHORITY.

a. The Contracting Officer (CO) at: Commander, Attn: CEPOF-CT-P, USAEDFE (FED) Compound, Bldg. S-67, #40, 5-Ka, Ulchiro, Chung-Ku, Seoul, Korea, is the only person authorized to approve changes or modifications to any of the requirements under this contract. Notwithstanding any provisions contained elsewhere in this contract, the said authority remains solely in the CO. In the event the Contractor effects any such change at the direction of any person other than the CO, the change will be considered to have been without authority and no adjustment will be made in the contract price to cover any increase in costs incurred as a result thereof.

b. The Contractor shall submit requests for modification of this contract to the CO.

c. Contractual problems, of any nature, that may arise during the life of this contract must be handled in conformance with very specific public laws and regulations (e.g., Federal Acquisition Regulation). Only the CO is authorized to formally resolve such problems. Therefore, the user and the Contractor are hereby directed to bring all such contractual problems to the immediate attention of the CO.

d. Requests for information on matters related to this contract, such as explanation of terms and contract interpretation, shall be submitted to the CO at Commander, Attn:

CEPOF-CT-P, USAEDFE (FED) Compound, Bldg. S-67, #40, 5-Ka, Ulchiro, Chung-Ku, Seoul, Korea.

e. No interpretation of any provision of this contract, including applicable specifications, shall be binding on the Government unless furnished or agreed to in writing by the CO.

6.7 SUPERVISION AND CONTROL.

a. The Government shall not exercise any supervision or control over the Contractor's employees performing services under this contract. Such employees shall be accountable not to the Government but solely to the Contractor, who in turn is responsible to the Government.

b. The Contractor will be responsible for selecting personnel to perform the required services, for supervising techniques used in their work, and for keeping them informed of all improvements, changes, and methods of operation.

6.8 UNION AGREEMENTS. The Contractor agrees to provide the Contracting Officer, upon request, a copy of any collective bargaining agreement applicable to employees performing on this contract.

6.9 PERMITS AND RESPONSIBILITIES. The Contractor shall, without additional effort by the Government, be responsible for obtaining any necessary licenses and permits, giving all notices, and complying with any applicable Federal, Local, Republic of Korea, and municipal laws, codes, and regulations in connection with the services covered by the contract. He shall be similarly responsible for all damages to persons or property that occur as a result of his fault or negligence. He shall take proper safety and health precautions to protect the work, the workers, the public, and the property of others. He shall perform all the work in accordance with applicable portions of the COE safety manual.

6.10 AUTHORITY. The Contractor shall not, in any way, represent that he is a part of the United States Government or that he has the authority to contract or procure supplies on the credit of the United States of America.

6.11 SMOKING IN GOVERNMENT FACILITIES. Contractors are advised that most military installations place restrictions on the smoking of tobacco products in their facilities. Contractor employees and visitors are subject to the same restrictions as are Government personnel. Smoking is permitted only in designated smoking areas.

6.12 RIGHTS OF THE GOVERNMENT TO PERFORM FUNCTIONS WITH ITS OWN PERSONNEL. The Government reserves the right to perform or supplement performance of contract functions with Government personnel during periods of disaster, war, emergencies, police action, or act of God.

6.13 LIABILITY. The Government shall not be held responsible for damages to property or for injuries or death to persons which might occur without fault on the part of the Government as a result of, or incident to, performance of the contract.

6.14 SUBMISSION OF PAYROLL DATA IN SUPPORT OF NEGOTIATIONS FOR CONTRACT PRICE ADJUSTMENTS.

a. Contractor payrolls will be provided to the Contracting Officer as part of the supporting data that will be utilized by the Government when contract negotiations are conducted:

(1) Under FAR 52.243-1, Changes-Fixed Price.

(2) Reserved

b. All payroll data submitted by the Contractor shall be marked "Proprietary" and shall not be disclosed to anyone outside of the Government.

## TECHNICAL EXHIBIT 1

### PERFORMANCE STANDARDS

1. PERFORMANCE STANDARDS. The Performance Standards at the end of this exhibit:

1.1 List those SOW requirements (column 1) which are paid for on the basis of a payment computation system specified in para 4 of this technical exhibit. The absence from the Performance Standards of any contract requirement; however, shall not detract from its enforceability or limit the rights or remedies of the Government under any other provision of the contract, including the clauses entitled "Inspection of Services" and "Default."

1.2 Defines the standard of performance for each listed service (column 2).

1.3 Sets forth the maximum allowable deviation from perfect performance for each listed service, Acceptable Performance (column 3), that may occur before the Government will invoke the payment computation formula resulting in a payment of less than 100 percent of the maximum payment for the listed service.

1.4 Defines the lot used as the basis for surveillance or for payment computation purposes (column 3).

1.5 Sets forth the surveillance method the Government will use to evaluate the Contractor's performance in meeting the contract requirements (column 4).

1.6 Sets forth the percentage of the contract price that each listed contract requirement represents (column 5).

2. GOVERNMENT QUALITY ASSURANCE. Contractor performance will be compared to the contract standards and Acceptable Performance using the Quality Assurance Surveillance Plan (QASP).

2.1 The Government may use a variety of surveillance methods to evaluate the Contractor's performance as indicated in the Performance Standards (column 4).

3. CRITERIA FOR EVALUATING PERFORMANCE. Performance of a listed service will be accepted and paid for at the maximum payment percentage specified in column 5 of the Performance Standards when the number of defects found by the QSR during contract surveillance does not exceed the number of defects allowed by the Acceptable Performance in column 3.

3.1 Determining the Number of Defects That Will Cause Less Than Maximum Payment.

3.1.1 (Reserved)

3.1.2 The number of defects that will cause less than a maximum payment will be determined as follows:

3.1.2.1 The number of defects that will cause less than the maximum payment equals one plus the Acceptable Performance.

3.2 Acceptance of Reperformance or Late Performance.

3.2.1 Except as otherwise provided by this Section 3.2, the services required by this contract are of such a nature that defective or incomplete performance disclosed by Government inspection is not subject to correction by reperformance or late performance, and the Contractor shall not be required or entitled to reperform, perform late, or otherwise correct defective services for the purpose of improving an existing inspection rating or avoiding a reduction in the full contract price.

3.2.2 At the sole election of the Government and upon notification to the Contractor, the Contractor may be required to reperform or perform late any or all defective work disclosed by Government inspection including defective and incomplete performance. Where the Government so elects, the Contractor shall be notified promptly after inspection that specified defective services will be reperformed or performed late, and completed within a reasonable time specified by the Government. In such cases, the Government shall re-inspect work designated for reperformance or late performance, and the Contractor may be held liable for any damages sustained by the Government including, for example, the costs associated with re-inspection.

3.2.3 If the Contractor fails to perform the required services within the limitations as specified in the contract, the Government may:

3.2.3.1 Accept the services at a later date.

3.2.3.2 Procure the service, upon such terms and conditions as the Contracting Officer deems appropriate, from an alternative, qualified, and responsible firm and the Contractor agrees to be liable to the Government for any excess costs incurred and to continue the performance as required thereafter.

4. CONTRACTOR PAYMENT.

4.1 For performance of a service that does not achieve the Acceptable Performance, the Contractor shall be paid the

percentage of the monthly contract line item price indicated in column 5 of the attached Performance Standards for that service.

4.2 If performance of a service achieves the Acceptable Performance, the Government will pay the full percentage in column 5 for that service.

4.2.1 The payment for listed services which exceed the Acceptable Performance will be calculated as follows:

4.2.1.1 (Reserved)

4.2.1.2 For services surveilled by checklist inspection, the maximum payment percentage for the service in column 5 of the Performance Standards is multiplied by the percentage of the lot found acceptable. The resulting percentage is the percentage of the monthly contract price that the Contractor will be paid for the listed service. The total number of defects found, not just the defects in excess of the reject level, are used to determine the percentage of the lot found unacceptable. The percentage of the lot found unacceptable subtracted from 100 percent determines the percentage of the lot found acceptable.

## 5. EXAMPLES OF PAYMENT COMPUTATIONS.

5.1 (Reserved)

5.2 For services evaluated by daily inspections or inspections based on the frequency the service is performed:

5.2.1 Example. Perform periodic preventive maintenance (Applicable to Standard 3, Standard 6 similar) have an Acceptable Performance of 5 defects, a lot size of 1860 (sum of refrigerated display cases, walk-in storage rooms, and reach-in storage boxes at that particular installation; multiplied by the number of days of the month), and that 10 defects were found by the QSR. The payment would be computed for each commissary as follows:

- |  |              |
|--|--------------|
| a. Maximum contract line item payment for the month for the applicable installation  | \$1,000      |
| b. Maximum payment for percentage for the service (Column 5, Performance Standards)  | <u>X 64%</u> |
| c. Maximum payment for acceptable service  | \$ 640       |
| d. 10 defects exceeds reject level of 5 defects                                      |              |
| e. Percentage of lot found unacceptable = (10 defective divided by lot size of 1860) | 0.54%        |

times 100)

- f. Percentage of lot found acceptable = 99.46%  
(100% - Line e)
- g. Payment for percentage of acceptable service (Line c times line f) \$ 636.54

5.2.2 Example. Perform Emergency Service Work (Applicable to Standard 2, Standard 1, 4, and 5 are similar) have an Acceptable Performance of 0 defects a lot size of 2 (number of emergency calls for the month at that particular installation), and that 1 defective was found by the QSR. The payment would be computed for each commissary as follows:

- a. Maximum contract line item payment for the month for the applicable installation \$1,000
- b. Maximum payment percentage for the service (Column 5, Performance Standards) X 30%
- c. Maximum payment for acceptable service \$ 300
- d. 1 defective exceeds reject level of 0 defects
- e. Percentage of lot found unacceptable = 50%  
(1 defective divided by lot size of 2 times 100)
- f. Percentage of lot found acceptable = 50%  
(100% - Line e)
- g. Payment for percentage of acceptable service (Line c times line f) \$ 150

5.3 (Reserved)

<b>PERFORMANCE STANDARDS</b>				
<b>REQUIRED SERVICE</b>	<b>STANDARD</b>	<b>ACCEPTABLE PERFORMANCE</b>	<b>METHOD OF SURVEILLANCE</b>	<b>MAXIMUM PAYMENT PERCENTAGE FOR ACHIEVING ACCEPTABLE PERFORMANCE</b>
(STANDARD 1) Responds to refrigeration emergency service work calls as required per paragraph 5.8 of the SOW.	Arrives at the commissary within two hours of notification.	0 Defects; Lot size is the number of emergency services work calls for the month.	Checklist; Inspections based on the frequency the service is requested.	7%
(STANDARD 2) Performs all emergency service work calls on the commissary refrigeration systems required per paragraph 5.8 of the SOW.	Repairs equipment to proper operating condition within 24 hours of notification. Major equipment must be procured and installed within 5 days of the response time deadline.	0 Defects; Lot size is the number of emergency service work calls for the month.	Checklist; Inspections based on the frequency the service is requested.	38%
(STANDARD 3) Perform periodic preventive maintenance on the commissary refrigeration system as required per paragraph 5.6 of the SOW.	Perform PM to maintain all display case entering air temperatures, walk-in storage room temperatures, and reach-in storage box temperatures within the limits shown in Technical Exhibit 6.	5 Defects; Lot size is the total sum of refrigerated display cases, walk-in storage rooms, and reach-in storage boxes, multiplied by the number of days of the month. 0 defects for not performing PM.	Checklist; Daily inspections. PM service requires monthly checklist signed by commissary personnel attesting that this service has been performed.	55%

<b>PERFORMANCE STANDARDS</b>				
<b>REQUIRED SERVICE</b>	<b>STANDARD</b>	<b>ACCEPTABLE PERFORMANCE</b>	<b>METHOD OF SURVEILLANCE</b>	<b>MAXIMUM PAYMENT PERCENTAGE FOR ACHIEVING ACCEPTABLE PERFORMANCE</b>
(STANDARD 4) Responds to HVAC emergency service work calls as required per paragraph 5.8 of the SOW.	Arrives at the commissary not later than 9:00 A.M. on the next duty day following notification.	0 Defects; Lot size is the number of emergency services work calls for the month.	Checklist; Inspections based on the frequency the service is requested.	3%
(STANDARD 5) Performs all emergency service work calls on the commissary HVAC systems required per paragraph 5.8 of the SOW.	Repairs equipment to proper operating condition within 24 hours of the response time deadline.	0 Defects; Lot size is the number of emergency service work calls for the month.	Checklist; Inspections based on the frequency the service is requested.	15%
(STANDARD 6) Perform periodic preventive maintenance on the commissary HVAC system as required per paragraph 5.7 of the SOW.	Perform PM to maintain all room environments (room environments served by the HVAC systems specified in Technical Exhibit 5 and measured at the thermostat location) within the limits shown in Technical Exhibit 6.	0 Defects; Lot size is the total sum of the HVAC systems per commissary. 0 defects for PM service. (No payment will be made under Standard #6 if PM work is not performed.	Checklist; Daily inspections. PM service requires monthly checklist signed by commissary personnel attesting that this service has been performed.	82%

TECHNICAL EXHIBIT 2

WORKLOAD ESTIMATES

This is the estimated (projected) emergency service work call load for the contract period for each installation.

Refrigeration Emergency Service Work Calls - 21 per year per installation.

HVAC Emergency Service Work Calls - 3 per year per installation.

TECHNICAL EXHIBIT 3

((Reserved))

TECHNICAL EXHIBIT 4

((Reserved))

TECHNICAL EXHIBIT 5  
GOVERNMENT FURNISHED ITEMS  
EQUIPMENT TO BE MAINTAINED

The following attached sheets include the pieces of equipment that shall be maintained at each installation under this SOW. The Contractor shall also maintain associated controls, piping, wiring, etc., (defined in 5.2 and 5.3) associated with these pieces of equipment.

COMMISSARY

CAMP CARROLL

REFRIGERATION EQUIPMENT

DISPLAY CASES

<u>QUANTITY</u>	<u>LENGTH</u>	<u>TYPE</u>
1	12'	PRODUCE
1	5'	FRESH MEAT
4	12'	FROZEN FOOD, WIDE ISLAND
1	8'	FROZEN FOOD, GLASS DOOR
1	12'	FROZEN FOOD, GLASS DOOR
1	5'	ICE CREAM, GLASS DOOR

WALK-IN UNITS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	32' X 12'	WALK-IN COOLER
1	32' X 12'	WALK-IN FREEZER

UNIT COOLERS

<u>QUANTITY</u>	<u>MBH</u>	<u>LOCATION</u>
1	20 MBH	UNIT COOLER
1	18 MBH	UNIT COOLER

CONDENSERS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	$\frac{3}{4}$ HP	AIR COOLED
1	1 HP	AIR COOLED
1	1 $\frac{1}{2}$ HP	AIR COOLED
1	15 HP	AIR COOLED
1	3 HP	AIR COOLED
1	7 $\frac{1}{2}$ HP	AIR COOLED

COMMISSARY

CAMP CARROLL (Continued)

ADDITIONAL EQUIPMENT

<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	MONITOR ALARM SYSTEM
2	AIR CURTAIN 4' WIDE

HVAC EQUIPMENT

<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>REMARKS</u>
ROOF TOP AIR HANDLING UNIT	1	240 MBH DX CLG, 400 MBH HW HTG
BOILER, HOT WATER	1	#2 FUEL OIL, 410 MBH
UNIT HEATER, GAS	1	31 MBH
UNIT HEATER, HOT WATER	2	48 MHB
PUMP HOT WATER	1	1/2 HP
PUMP, CHILLED WATER	1	3/4 HP
EXHAUST FAN (ROOF)	6	FRACTIONAL HP
MOTORIZED LOUVER	2	INTAKE LOUVERS IN WHSE

COMMISSARY

CAMP CASEY

REFRIGERATION EQUIPMENT

DISPLAY CASES

<u>QUANTITY</u>	<u>LENGTH</u>	<u>TYPE</u>
1	8'	PRODUCE
2	6'	DELI, MULTIDECK
1	6'	PRODUCE, MULTIDECK
2	6'	DAIRY, MULTIDECK
1	4'	DAIRY, DISPLAY
1	5'	FROZEN FOOD, WIDE ISLAND
15	8'	FROZEN FOOD, WIDE ISLAND
1	6'	FROZEN FOOD, GLASS DOOR

WALK-IN UNITS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	12' X 10'	WALK-IN COOLER
1	15' X 10'	WALK-IN COOLER
1	10' X 10'	WALK-IN COOLER
1	20' X 10'	WALK-IN FREEZER
1	15' X 10'	WALK-IN FREEZER

UNIT COOLERS

<u>QUANTITY</u>	<u>MBH</u>	<u>LOCATION</u>
1	9.7 MBH	UNIT COOLER
1	5.5 MBH	UNIT COOLER
1	6.6 MBH	UNIT COOLER
1	8.9 MBH	UNIT COOLER
1	8.9 MBH	UNIT COOLER

COMMISSARY

CAMP CASEY (Continued)

CONDENSING UNITS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
2	5 HP	AIR COOLED CONDENSING UNIT
1	1 HP	AIR COOLED CONDENSING UNIT
1	1½ HP	AIR COOLED CONDENSING UNIT
1	2 HP	AIR COOLED CONDENSING UNIT

ADDITIONAL EQUIPMENT

<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	MONITOR ALARM SYSTEM
1	FREEZER 30 CU. FT.
10	AIR CURTAIN 3'

HVAC EQUIPMENT

<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>REMARKS</u>
AIR HANDLING UNIT W/COILS	1	770 MBH DX CLG, 435 MBH HW HTG
BOILER HOT WATER	1	#2 FUEL OIL, 500 MBH
RADIATOR	1	18" 2 ROW
RADIATOR	1	24" 2 ROW
CONVECTOR HEATING UNIT	2	3.7 MBH
UNIT HEATER	3	16 MBH HW
PUMP HOT WATER	1	1.0 HP
EXHAUST FAN	3	FRACTIONAL HP
EXHAUST FAN	1	IN MACHANICAL CENTER
MOTORIZED LOUVERS	1	INTAKE LOUVERS MECH. ROOM
HVAC CONTROL	1	ELECTRIC
AIR COOLED CONDENSING UNIT	1	70 TONS

COMMISSARY

CAMP EDWARDS

REFRIGERATION EQUIPMENT

DISPLAY CASES

<u>QUANTITY</u>	<u>LENGTH</u>	<u>TYPE</u>
1	8'	PRODUCE GLASS DOOR
1	8'	DAIRY, GLASS DOOR
3	8'	FROZEN FOOD GLASS DOOR
1	8'	DELI, GLASS DOOR

CONDENSERS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	10 HP	AIR COOLED CONDENSING UNIT
1	5 HP	AIR COOLED CONDENSING UNIT
1	10 TONS	AIR COOLED CONDENSING UNIT

ADDITIONAL EQUIPMENT

<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	MONITOR ALARM SYSTEM

HVAC EQUIPMENT

<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>REMARKS</u>
AIR HANDLING UNIT W/COILS	1	120 MBH DX CLG, 150 MBH HW HTG
CONVECTOR HEATING UNIT	8	9 MBH
PUMP, HOT WATER	2	1/3 HP
EXHAUST FAN	2	FRACTIONAL HP

COMMISSARY

CAMP HUMPHREYS

REFRIGERATION EQUIPMENT

DISPLAY CASES

<u>QUANTITY</u>	<u>LENGTH</u>	<u>TYPE</u>
2	6'	PRODUCE
1	12'	PRODUCE
1	6'	MEAT, MULTIDECK
2	6'	DELI, MULTIDECK
2	6'	DAIRY, MULTIDECK
3	12'	FROZEN FOOD, GLASS DOOR
1	5'	ICE CREAM, GLASS DOOR

WALK-IN UNITS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	20' X 13'	WALK-IN COOLER
1	13' X 13'	WALK-IN COOLER
1	10' X 8'	WALK-IN FREEZER

UNIT COOLERS

<u>QUANTITY</u>	<u>MBH</u>	<u>LOCATION</u>
1	13 MBH	UNIT COOLER
1	12 MBH	UNIT COOLER
1	9 MBH	UNIT COOLER

CONDENSERS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	1.5 HP	AIR-COOLED
2	5 HP	AIR-COOLED
1	15 HP	AIR-COOLED

COMMISSARY

CAMP HUMPHREYS (Continued)

ADDITIONAL EQUIPMENT

<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	ICE MACHINE 180 LBS/DAY
1	REFRIGERATION MONITORING AND CONTROL SYSTEM
3	AIR CURTAIN 3'
1	AIR CURTAIN 6'-6"

HVAC EQUIPMENT

<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>REMARKS</u>
AIR HANDLING UNIT W/COILS	1	336 MBH DX CLG, 350 MBH HW HTG
BOILER, HOT WATER	1	#2 FUEL OIL, 390 MBH
CONVECTOR HEATING UNIT	2	6 MBH
PUMP HOT WATER	1	½ HORSEPOWER
UNIT HEATER	2	32 MBH
EXHAUST FAN	5	IN MECHANICAL CENTER
MOTORIZED LOUVERS	1	INTAKE LOUVERS
HVAC CONTROL	1	ELECTRIC
AIR COOLED CONDENSING UNIT	1	28 TONS

COMMISSARY

CAMP PAGE

REFRIGERATION EQUIPMENT

DISPLAY CASES

<u>QUANTITY</u>	<u>LENGTH</u>	<u>TYPE</u>
1	8'	FRESH MEAT, MULTIDECK
3	8'	PRODUCE, MULTIDECK
1	8'	DAIRY, MULTIDECK
4	8'	FROZEN FOOD, WIDE ISLAND

WALK-IN UNITS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	12' X 9'	WALK-IN COOLER
1	12' X 9'	WALK-IN FREEZER

UNIT COOLERS

<u>QUANTITY</u>	<u>MBH</u>	<u>LOCATION</u>
1	10.2 MBH	UNIT COOLER
1	9.9 MBH	UNIT COOLER

CONDENSERS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	7.5 HP	AIR COOLED CONDENSING UNIT
1	3 HP	AIR COOLED CONDENSING UNIT

COMMISSARY

CAMP PAGE (Continued)

ADDITIONAL EQUIPMENT

<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	HOUSEHOLD REFRIGERATOR, 12. CU. FT
1	MONITOR ALARM SYSTEM

HVAC EQUIPMENT

<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>REMARKS</u>
AIR HANDLING UNIT W/COILS	1	86 MBH DX CLG, 49 MBH HW HTG
WINDOW A/C UNIT	1	16 MBH
CONVECTOR HEATING UNIT	2	1.2 MBH
CONVECTOR HEATING UNIT	1	6.0 MBH HW
BOILER, HOT WATER	1	#2 FUEL OIL, 193 MBH
RADIATOR	2	TOILET ROOMS
UNIT HEATER	2	16 MBH HW
UNIT HEATER	1	6 MBH
PUMP, HOT WATER	1	1/3 HP
EXHAUST FAN	3	FRACTIONAL HP
EXHAUST FAN	1	IN MECHANICAL CENTER
MOTORIZED LOUVERS	2	8 MBH, INTAKE LOUVERS IN WHSE MECHANICAL RM
HVAC CONTROL	1	ELECTRIC
AIR COOLED CONDENSING UNIT	1	8 TONS

COMMISSARY

CAMP STANLEY

REFRIGERATION EQUIPMENT

DISPLAY CASES

<u>QUANTITY</u>	<u>LENGTH</u>	<u>TYPE</u>
2	12'	PRODUCE
1	8'	FRESH MEAT
1	6'	MEAT, MULTIDECK
1	6'	DELI, MULTIDECK
3	6'	DAIRY, MULTIDECK
7	8'	FROZEN FOOD, WIDE ISLAND

WALK-IN UNITS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	10' X 13'	WALK-IN COOLER
1	10' X 12'	WALK-IN FREEZER

UNIT COOLERS

<u>QUANTITY</u>	<u>MBH</u>	<u>LOCATION</u>
1	9.9 MBH	UNIT COOLER
1	10.6 MBH	UNIT COOLER

CONDENSERS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	3 HP	AIR COOLED CONDENSING UNIT
2	5 HP	AIR COLLED CONDENSING UNIT

COMMISSARY

CAMP STANLEY (Continued)

ADDITIONAL EQUIPMENT

<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	5' ICE CHEST
2	HOUSEHOLD REFRIGERATOR 12 CU FT
1	MONITOR ALARM SYSTEM

HVAC EQUIPMENT

<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>REMARKS</u>
CHILLER, WATER COOLED	1	30 TON
FAN COIL UNIT	5	12 MBH HTG
FAN COIL UNIT	7	11 MBH CLG, 4 MBH HTG
AIR HANDLING UNIT W/COILS	1	360 MBH CW CLG, 300 MBH HTG
WINDOW A/C UNIT	1	16 MBH
BOILER, HOT WATER	2	#2 FUEL OIL, 250 MBH
UNIT HEATER	2	22 MBH
PUMP, HOT WATER	1	5 HP
PUMP, CHILLED WATER	1	7.5 HP
PUMP CONDENSER	1	5 HP
EXHAUST FAN	4	FRACTIONAL HP
DESTRATIFICATION FAN	8	30"
HVAC CONTROL	1	ELECTRIC
COOLING TOWER	1	774 MBH

COMMISSARY

CHINHAE NAVAL BASE

REFRIGERATION EQUIPMENT

DISPLAY CASES

<u>QUANTITY</u>	<u>LENGTH</u>	<u>TYPE</u>
1	8'	PRODUCE, NON REFRIGERATED
2	8'	PRODUCE
1	8'	FRESH MEAT, MULTIDECK
3	8'	DAIRY, MULTIDECK
2	8'	DELI, MULTIDECK
1	8'	FROZEN FOOD, MULTIDECK
4	12'	FROZEN FOOD, GLASS DOOR
1	12'	ICE CREAM, GLASS DOOR

WALK-IN UNITS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	8' X 12'	WALK-IN COOLER
2	8' X 15'	WALK-IN COOLER
1	8' X 8'	WALK-IN COOLER
1	6' X 15'	WALK-IN FREEZER
1	30' X 16'	WALK-IN FREEZER

UNIT COOLERS

<u>QUANTITY</u>	<u>MBH</u>	<u>LOCATION</u>
1	12.2 MBH	UNIT COOLER
2	15.1 MBH	UNIT COOLER
1	10.6 MBH	UNIT COOLER
1	11.6 MBH	UNIT COOLER
1	9.9 MBH	UNIT COOLER

COMMISSARY

CHINHAE NAVAL BASE (Continued)

CONDENSERS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	3 HP	AIR COOLED CONDENSING UNIT
2	6 HP	AIR COOLED CONDENSING UNIT
1	5 HP	AIR COOLED CONDENSING UNIT
1	5 HP	AIR COOLED CONDENSING UNIT
3	7.5 HP	AIR COOLED CONDENSING UNIT
1	6 HP	AIR COOLED CONDENSING UNIT
1	10 HP	AIR COOLED CONDENSING UNIT

COMPRESSOR SYSTEMS

<u>QUANTITY OF SYSTEMS</u>	<u>HORSEPOWER PER SYSTEM (EA COMP)</u>
1	3/3
1	3.1/3.1

ADDITIONAL EQUIPMENT

<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	HOUSEHOLD REFRIGERATOR 12 CU. FT.
1	ICE MACHINE 180 LBS/PER DAY
1	MONITORING ALARM SYSTEM

HVAC EQUIPMENT

<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>REMARKS</u>
CHILLER, AIR COOLED	1	10 TON
FAN COIL UNIT	5	34 MBH CLG, 23 MBH HTG
FAN COIL UNIT	3	18 MBH CLG, 10 MBH HTG
UNIT HEATER	2	3 MBH HW
UNIT HEATER	1	6 MBH HW
PUMP, HOT WATER	1	¼ HP
PUMP, CHILLED WATER	1	¾ HP
EXHAUST FAN	9	FRACTIONAL HP
HVAC CONTROL	1	ELECTRIC
A/C ROOF TOP W/HTG, COIL	1	7½ TON

COMMISSARY

HANNAM VILLAGE

REFRIGERATION EQUIPMENT

DISPLAY CASES

<u>QUANTITY</u>	<u>LENGTH</u>	<u>TYPE</u>
1	7'	MILK, ROLL-IN
3	8'	FROZEN FOOD, WIDE ISLAND
1	6'	DAIRY, MULTIDECK
1	8'	PRODUCE

UNIT COOLERS

<u>QTY</u>	<u>MBH</u>	<u>SIZE</u>	<u>LOCATION</u>
1	8 MBH		UNIT COOLER
1	6 MBH		UNIT COOLER
1		10'8"X8'	WALK-IN COOLER
1		8'X5'	WALK-IN FREEZER

CONDENSERS

<u>QUANTITY</u>	<u>HP</u>	<u>TYPE</u>
1	5	AIR-COOLING CONDENSING UNIT
1	2	AIR COOLING CONDENSING UNIT

ADDITIONAL EQUIPMENT

<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	HOUSEHOLD REFRIGERATOR
1	MONITOR ALARM SYSTEM

HVAC EQUIPMENT

The Hannam Village Commissary HVAC System cannot be included in the maintenance and repair Scope of Work being prepared. The HVAC System belongs to and is maintained by The Korean National Housing Corporation and cannot be maintained and/or repaired by a U.S. government Contractor. The Korean National Housing Corporation retains responsibility for the maintenance and repair of the building HVAC System.

COMMISSARY

KUNSAN AIR BASE

REFRIGERATION EQUIPMENT

DISPLAY CASES

<u>QUANTITY</u>	<u>LENGTH</u>	<u>TYPE</u>
2	8'	PRODUCE
1	8'	PRODUCE, NON REFRIGERATED
1	4'	DAIRY, MULTIDECK
1	10'	FROZEN FOOD, GLASS DOOR
4	12'	FROZEN FOOD, GLASS DOORS
1	7'	DAIRY, GLASS DOORS
1	5'	DELI, GLASS DOORS
1	7'	FRESH MEAT, GLASS DOORS

WALK-IN UNITS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	16' X 14'	WALK-IN COOLER
1	38'8" X 14'	WALK-IN COOLER
1	40' X 28'	WALK-IN FREEZER

UNIT COOLERS

<u>QUANTITY</u>	<u>MBH</u>	<u>LOCATION</u>
1	30.5 MBH	UNIT COOLER
1	13.8 MBH	UNIT COOLER
2	25.5 MBH	UNIT COOLER

CONDENSERS

<u>QUANTITY</u>	<u>HP</u>	<u>TYPE</u>
4	15	AIR COOLED CONDENSING UNIT
1	7½	AIR COOLED CONDENSING UNIT
1	3	AIR COOLED CONDENSING UNIT

COMMISSARY

KUNSAN AIR BASE (Continued)

ADDITIONAL EQUIPMENT

<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	REFRIGERATOR HOUSEHOLD 9 CU.FT.
1	ICE MAKER 180 LBS/DAY
1	MONITORING ALARM SYSTEM
2	AIR CURTAIN 2'4"

HVAC EQUIPMENT

<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>REMARKS</u>
AIR HANDLING UNIT W/COIL	1	250 MBH HTG
WINDOW A/C UNIT	2	16 MBH
BOILER, HOT WATER	1	#2 FUEL OIL, 350 MBH
BOILER, HOT WATER	1	#2 FUEL OIL, 120 MBH
CONVECTOR HEATING UNIT	4	2 MBH
UNIT HEATER	1	31 MBH HW
UNIT HEATER	4	17.5 MBH HW
PUMP, HOT WATER	1	1 HP
PUMP, HOT WATER	1	3/4 HP
EXHAUST FAN	9	FRACTIONAL HP
MOTORIZED LOUVERS	2	INTAKE LOUVERS IN WHSE
DESTRATIFICATION FAN	2	36"
ATTIC FAN	2	FRACTIONAL HP
PACKAGED AIR CONDITION	2	10 TONS
HVAC CONTROL	1	ELECTRIC

COMMISSARY

OSAN AIR BASE

REFRIGERATION EQUIPMENT

DISPLAY CASES

<u>QUANTITY</u>	<u>LENGTH</u>	<u>TYPE</u>
1	8'	PRODUCE
6	12'	PRODUCE
2	12'	PRODUCE, WIDE ISLAND
2	8'	DELI
1	12'	DELI
5	12'	FRESH MEAT
2	12'	MILK ROLL-IN
4	8'	DAIRY, MULTIDECK
1	8'	FROZEN FOOD, WIDE ISLAND
6	12'	FROZEN FOOD, MULTIDECK
1	5'	DELI GLASS DOOR
18	12'	FROZEN FOOD GLASS DOOR
1	7'	REFRIGERATOR, GLASS DOOR
1	6'	ICE CREAM, GLASS DOOR
1	8'	BAKERY DISPLAY
1	6'	BAKERY DISPLAY

WALK-IN UNITS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	50' X 50'	WALK-IN COOLER
1	32' X 64'	WALK-IN COOLER
1	27' X 8'	WALK-IN COOLER
1	12' X 76'	WALK-IN COOLER
1	24' X 60'	WALK-IN COOLER
1	36' X 10'	WALK-IN COOLER
1	90' X 18'	WALK-IN COOLER
1	26' X 30'	WALK-IN COOLER
1	26' X 42'	WALK-IN COOLER
1	40' X 25'	WALK-IN COOLER
1	46' X 46'	WALK-IN COOLER
1	12' X 46'	WALK-IN FREEZER
1	48' X 26'	WALK-IN FREEZER

COMMISSARY

OSAN AIR BASE (Continued)

UNIT COOLERS

<u>QUANTITY</u>	<u>BMH</u>	<u>LOCATION</u>
6	61	UNIT COOLER
6	53	UNIT COOLER
3	54.6	UNIT COOLER
2	27.3	UNIT COOLER
2	30	UNIT COOLER
4	36.6	UNIT COOLER
2	20	UNIT COOLER
2	39	UNIT COOLER
8	52	UNIT COOLER
8	53.5	UNIT COOLER
5	98	UNIT COOLER
2	35	UNIT COOLER

COMPRESSOR SYSTEMS

<u>QUANTITY OF SYSTEMS</u>	<u>HORSEPOWER PER SYSTEM (EA COMPRESSOR)</u>
2	7.5/10/15/30
2	15/15/15/15/15
1	7.5/10/15/25
2	30/30/30
1	10/10

CONDENSERS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	246 MBH	AIR COOLED CONDENSER
1	369 MBH	AIR COOLED CONDENSER
3	553 MBH	AIR COOLED CONDENSER
2	476 MBH	AIR COOLED CONDENSER
2	73 MBH	AIR COOLED CONDENSER

COMMISSARY

OSAN AIR BASE (Continued)

HEAT RECLAIM COILS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE (AIR OR WATER)</u>
1	296 MBH	HEAT RECOVERY COIL
2	42 MBH	HEAT RECOVERY COIL
2	360 MBH	HEAT RECOVERY COIL

CONDENSING UNITS

<u>QUANTITY</u>	<u>HORSEPOWER (EA COMPRESSOR)</u>
1	4 HP
1	10 HP
2	20 TONS
1	5 TONS
1	15 TONS

ADDITIONAL EQUIPMENT

<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	MONITORING AND CONTROL SYSTEM
1	ICE MAKER, 180 LBS/DAY
1	FREEZER, 3 DOOR 8'
1	COOLER, 2 DOOR 5'
1	BREAD WARMER 3'X3'
1	OVEN
1	CIRCULATING PUMP 2.5 GPM
3	AIR CURTAIN 2'
3	AIR CURTAIN 6'
3	RANGE HOOD 3'

COMMISSARY

OSAN AIR BASE (Continued)

HVAC EQUIPMENT

<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>REMARKS</u>
HVAC CONTROL	3	ELECTRIC
AIR HANDLING UNIT W/COILS	2	240 MBH DX CLG, 300 MBH HW HTG
AIR HANDLING UNIT W/COILS	1	60 MBH DX CLG
AIR HANDLING UNIT W/COILS	1	180 MBH CLG, 190 MBG HTG
COMPUTER ROOM A/C UNIT, SPLIT	1	34 MBH DX CLG
WINDOW A/C UNIT	3	16 MBH
BOILER HOT WATER	1	#2 FUEL OIL, 3,360 MBH
CONVECTOR HEATING UNIT	1	4KW
CONVECTOR HEATING UNIT	7	61 MBH
UNIT HEATER	2	9 MBH HW
UNIT HEATER	8	52 MBH HW
UNIT HEATER	1	3 KW
PUMP, HOT WATER	2	5HP
EXHAUST FAN	19	FRACTIONAL HP
EXHAUST FAN	5	IN MECHANICAL CENTER
SUPPLY FAN	1	FRACTIONAL HP
HEATING/VENTILATING UNIT	1	10 HP

COMMISSARY

CAMP HIALEAH

REFRIGERATION EQUIPMENT

DISPLAY CASES

<u>QUANTITY</u>	<u>LENGTH</u>	<u>TYPE</u>
3	8'	PRODUCE
1	8'	PRODUCE, NON REFRIGERATED
1	12'	FRESH MEAT
3	12'	FROZEN MEAT
1	8'	DELI, MULTIDECK
1	8'	DAIRY, MULTIDECK
1	6'	DAIRY, MULTIDECK
1	8'	FROZEN FOOD, WIDE ISLAND
1	8'	ICE CREAM, WIDE ISLAND

WALK-IN UNITS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	29' X 24'	WALK-IN COOLER
1	29' X 16'	WALK-IN COOLER
1	24' X 12'	WALK-IN COOLER
1	20' X 12'	WALK-IN COOLER
2	15' X 8'	WALK-IN COOLER
1	37' X 8'	WALK-IN COOLER
2	50' X 17'	WALK-IN FREEZER
1	18' X 12'	WALK-IN FREEZER
1	15' X 6'	WALK-IN FREEZER

UNIT COOLERS

<u>QUANTITY</u>	<u>BMH</u>	<u>LOCATION</u>
4	17.0 MBH	UNIT COOLER
1	15.0 MBH	UNIT COOLER
1	16.6 MBH	UNIT COOLER
1	23.0 MBH	UNIT COOLER
1	29.0 MBH	UNIT COOLER
1	13.8 MBH	UNIT COOLER
1	9.5 MBH	UNIT COOLER
1	8.0 MBH	UNIT COOLER
2	10.0 MBH	UNIT COOLER

COMMISSARY

CAMP HIALEAH (Continued)

CONDENSERS

<u>QUANTITY</u>	<u>HP</u>	<u>TYPE</u>
5	3	AIR COOLED CONDENSING UNIT
2	15	AIR COOLED CONDENSING UNIT
1	7½	AIR COOLED CONDENSING UNIT
1	1	AIR COOLED CONDENSING UNIT
1	6	AIR COOLED CONDENSING UNIT
1	1½	AIR COOLED CONDENSING UNIT
1	150 MBH	AIR COOLED CONDENSING UNIT
4	10	AIR COOLED CONDENSING UNIT
1	2	AIR COOLED CONDENSING UNIT
2	3	AIR COOLED CONDENSING UNIT
2	5	AIR COOLED CONDENSING UNIT
1	10	COMPRESSOR

ADDITIONAL EQUIPMENT

<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	ICE MACHINE 180 LBS/DAY
1	MONITOR ALARM SYSTEM

HVAC EQUIPMENT

<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>REMARKS</u>
AIR HANDLING UNIT W/COILS	1	157 MBH DX CLG, 152 MBH HW HTG
WINDOW A/C UNIT	7	16 MBH
BOILER HOT WATER	1	#2 FUEL OIL, 198 MBH
CONVECTOR HEATING UNIT	1	48 MBH
CONVECTOR HEATING UNIT	1	6 MBH
UNIT HEATER	3	2.5 MBH HW
UNIT HEATER	1	6.4 MBH
PUMP, HOT WATER	1	1/3 HP
EXHAUST FAN	2	FRACTIONAL HP
EXHAUST FAN	1	IN MACHANICAL CENTER
HVAC CONTROL	1	ELECTRIC
AIR COOLED CONDENSING UNIT	1	15 TON
WARM AIR FURNANCE	1	150 MBH

COMMISSARY

CAMP WALKER

REFRIGERATION EQUIPMENT

DISPLAY CASES

<u>QUANTITY</u>	<u>LENGTH</u>	<u>TYPE</u>
3	8'	PRODUCE
2	12'	PRODUCE
4	12'	FRESH MEAT
1	8'	MILK, ROLL-IN
2	10'	MILK, ROLL-IN
2	12'	DELI, MULTIDECK
1	12'	FROZEN FOOD, WIDE ISLAND
1	6'	FROZEN FOOD, MULTIDECK
2	12'	FROZEN FOOD, MULTIDECK
9	10'	FROZEN FOOD, GLASS DOOR
3	12'	FROZEN FOOD, GLASS DOOR
2	12'	DAIRY, GLASS DOOR
2	12'	ICE CREAM, GLASS DOOR
1	8'	FISH DISPLAY
3	8'	BAKERY DISPLAY (SELF CONTAINED)

WALK-IN UNITS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	40' X 22'	WALK-IN COOLER (MAIN STORE)
1	20' X 45'	WALK-IN COOLER (MAIN STORE)
1	25' X 32'	WALK-IN COOLER (MAIN STORE)
1	20' X 32'	WALK-IN COOLER (MAIN STORE)
1	20' X 10'	WALK-IN COOLER (MAIN STORE)
1	40' X 33'	WALK-IN FREEZER (MAIN STORE)
1	44' X 16'	WALK-IN COOLER (BLDG 228)
1	50' X 34'	WALK-IN FREEZER (BLDG 228)
1	16' X 22'	WALK-IN FREEZER (BLDG 228)
1	22' X 16'	WALK-IN FREEZER (BLDG 228)

COMMISSARY

CAMP WALKER Continued)

UNIT COOLERS

<u>QUANTITY</u>	<u>MBH</u>	<u>LOCATION</u>
4	4.5 MBH	UNIT COOLER
1	13.8 MBH	UNIT COOLER
6	5.5 MBH	UNIT COOLER
6	2.0 MBH	UNIT COOLER
3	7.5 MBH	UNIT COOLER
2	11.3 MBH	UNIT COOLER
3	3.3 MBH	UNIT COOLER
1	23.5 MBH	UNIT COOLER (BLDG 228)
2	56.0 MBH	UNIT COOLER (BLDG 228)
1	20.0 MBH	UNIT COOLER (BLDG 228)
1	8.0 MBH	UNIT COOLER (BLDG 228)
1	12.0 MBH	UNIT COOLER (BLDG 228)

COMPRESSOR SYSTEMS

<u>QUANTITY OF SYSTEMS</u>	<u>HORSEPOWER PER SYSTEM (EA COMPRESSOR)</u>
1	15/15/15/15/7.5
1	10/10/7.5/7.5
1	10/10/10/10/

COMMISSARY

CAMP WALKER (Continued)

CONDENSERS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	1476.8 MBH	REMOTE AIR-COOLED CONDENSER
2	952.9 MBH	REMOTE AIR-COOLED CONDENSER
1	7.5 HP	AIR COOLED CONDENSING UNIT BLDG 228)
1	10 HP	AIR COOLED CONDENSING UNIT BLDG 228)
1	5 HP	AIR COOLED CONDENSING UNIT BLDG 228)
2	3 HP	AIR COOLED CONDENSING UNIT BLDG 228)

HEAT RECLAIM COILS

<u>QUANTITY</u>	<u>MBH</u>	<u>TYPE (AIR OR WATER)</u>
1	140	HEAT RECLAIM WATER HEATER

ADDITIONAL EQUIPMENT

<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	REFRIG MONITOR & CONTROL SYS
1	ICE MAKER
1	REFRIGERATOR (SELF-CONTAINED)
1	FREEZER (SELF CONTAINED)

COMMISSARY

CAMP WALKER (Continued)

HVAC EQUIPMENT

<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>REMARKS</u>
CHILLER, AIR COOLED	1	70 TON
AIR-COOLED CONDENSERS	1	70 TONS
FAN COIL UNIT	1	10 MBH CLG, 15 MBH HTG
FAN COIL UNIT	1	14 MBH CLG, 19 MBH HTG
FAN COIL UNIT	1	11 MBH CLG, 15 MBH HTG
AIR HANDLING UNIT W/COILS	1	96 MBH CW CLG, 73 MBH HTG
AIR HANDLING UNIT W/COILS	1	33 MBH CW CLG, 40 MBH HTG
BOILER, HOT WATER	1	#2 FUEL OIL, 1440 MBH
UNIT HEATER	1	28 MBH HW
UNIT HEATER	2	32 MBH HW
UNIT HEATER	3	15 MBH HW
UNIT HEATER	6	70 MBH HW
PUMP, HOT WATER	2	5 HP
PUMP, CHILLED WATER	2	5 HP
EXHAUST FAN	9	FRACTIONAL HP
SUPPLY FAN	2	IN BOILER ROOM
MOTORIZED LOUVERS	6	INTAKE LOUVERS IN WHSE
HVAC CONTROL	1	ELECTRIC
DESICCANT DEHUMIDIFIER	1	220 LBS/HR 633 MBH CLG
AIR HANDLING UNIT		524 MBH HTG
ELECTRIC BASEBOARD HEATER	1	1.5KW
ELECTRIC BASEBOARD HEATER	2	1.25KW
FAN COIL UNIT	1	53 MBH HTG
FAN COIL UNIT	3	19 MBH HTG
FAN COIL UNIT	6	14 MBH HTG

COMMISSARY

YONGSAN

REFRIGERATION EQUIPMENT

DISPLAY CASES

<u>QUANTITY</u>	<u>LENGTH</u>	<u>TYPE</u>
2	8'	PRODUCE
5	12'	PRODUCE
2	8'	DELI, CLERK SERVICE
1	12'	DELI, CLERK SERVICE
1	8'	FRESH MEAT
7	12'	FRESH MEAT
4	12'	DELI, MULTIDECK
1	8'	PREPACKAGE MEALS, MULTIDECK
1	12'	PREPACKAGE MEALS, MULTIDECK
3	12'	DAIRY ROLL-IN
1	4'	PIZZA, MULTIDECK
1	8'	DAIRY, MULTIDECK
2	12'	DRINKS, MULTIDECK
5	12'	DAIRY, MULTIDECK
1	8'	DRINKS MULTIDECK
3	8'	FROZEN FOOD, WIDE ISLAND
2	12'	ICE CREAM, WIDE ISLAND
19	12'	FROZEN FOOD, WIDE ISLAND
2	12'	FROZEN FOOD, MULTIDECK
2	6'	BAKERY DISPLAY

COMMISSARY

YONGSAN (Continued)

WALK-IN UNITS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	36'X38'	WALK-IN COOLER
1	38'X38'	WALK-IN COOLER
1	32'X38'	WALK-IN COOLER
1	18'X12'	WALK-IN COOLER
1	28'X12'	WALK-IN COOLER
1	85'X40'	WALK-IN COOLER
1	85'X28'	WALK-IN COOLER
1	80'X38'	WALK-IN COOLER
1	12'X53'	WALK-IN COOLER
2	8'X8'	WALK-IN COOLER
1	30'78'	WALK-IN COOLER
1	36'X33'	WALK-IN COOLER
1	34'X38'	WALK-IN FREEZER
1	22'X38'	WALK-IN FREEZER
1	20'X82'	WALK-IN FREEZER
3	5'	PASS THRU COOLERS

UNIT COOLERS

<u>QUANTITY</u>	<u>MBH</u>	<u>LOCATION</u>
2	9.9 MBH	UNIT COOLER
10	21.6 MBH	UNIT COOLER
7	16.0 MBH	UNIT COOLER
7	15.5 MBH	UNIT COOLER
4	18.6 MBH	UNIT COOLER
1	19.9 MBH	UNIT COOLER
2	14.4 MBH	UNIT COOLER
8	20.0 MBH	UNIT COOLER
8	13.2 MBH	UNIT COOLER
8	22.4 MBH	UNIT COOLER
6	15.9 MBH	UNIT COOLER
4	18.7 MBH	UNIT COOLER
2	13.8 MBH	UNIT COOLER
3	20.0 MBH	UNIT COOLER

COMMISSARY

YONGSAN (Continued)

COMPRESSOR SYSTEMS

<u>QUANTITY OF SYSTEMS</u>	<u>HORSEPOWER PER SYSTEM (EA COMP)</u>
2	1/9/6
2	15/10/6
1	15/10/7.5/6
1	15/10/6
1	10/5/5
1	15/10/5
3	10/10/5
1	10/7.5/5

CONDENSERS

<u>QUANTITY</u>	<u>SIZE</u>	<u>TYPE</u>
1	335 MBH	AIR COOLED CONDENSER
1	508 MBH	AIR COOLED CONDENSER
2	362 MBH	AIR COOLED CONDENSER
1	526 MBH	AIR COOLED CONDENSER
1	649 MBH	AIR COOLED CONDENSER
1	702 MBH	AIR COOLED CONDENSER
1	836 MBH	AIR COOLED CONDENSING UNIT
1	136 MBH	AIR COOLED CONDENSING UNIT
2	480 MBH	AIR COOLED CONDENSING UNIT
1	55 MBH	AIR COOLED CONDENSING UNIT
3	7.5 HP	AIR COOLED CONDENSING UNIT

ADDITIONAL EQUIPMENT

<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	REFRIGERATION MONITOR AND CONTROL SYSTEM
1	COMMERCIAL REFRIGERATOR 6'
1	COMMERCIAL REFRIGERATOR 5'
1	OVEN ELECTRIC 5'X3'X6'
19	AIR CURTAIN 3'

COMMISSARY

YONGSAN (Continued)

HVAC EQUIPMENT

<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>REMARKS</u>
AIR HANDLING UNIT W/COILS	1	836 MBH DX CLG
AIR HANDLING UNIT W/COILS	2	721 MBH HEAT RECLAIM COIL 399 MBH HTG
AIR HANDLING UNIT W/COILS	1	136 MBH DX CLG, 106 MBH HTG
AIR HANDLING UNIT WCOILS	1	47 MBH DX CLG
WINDOW A/C UNIT	2	16 MBH
CONVECTOR HEATING UNIT	2	11.8 MBH
CONVECTOR HEATING UNIT	3	8.4 MBH
CONVECTOR HEATING UNIT	2	14.0 MBH
CONVECTOR HEATING UNIT	3	7.0 MBH
CONVECTOR HEATING UNIT	1	9.6 MBH
UNIT HEATER	3	30 MBH
UNIT HEATER	3	3 MBH
UNIT HEATER	20	81 MBH
PUMP, HOT WATER	3	1.5 HP
PUMP, HOT WATER	2	3 HP
EXHAUST FAN	19	FRACTIONAL HP
EXHAUST FAN	2	IN MECHANICAL CENTER
EXHAUST FAN	2	GREATER THEN 1 HP
MOTORIZED LOUVERS	16	INTAKE LOUVERS IN WHSE
HVAC CONTROL	1	ELECTRIC

TECHNICAL EXHIBIT 6  
REV JUNE 1998  
QUALITY STANDARDS

DISPLAY CASE ENTERING AIR TEMPERATURE LIMITS

Produce	+36 to +40 deg F
Deli, Clerk Service	+34 to +38 deg F
Fresh Meat	+22 to +26 deg F
Milk Roll-in	+26 to +30 deg F
Multideck Dairy	+30 to +36 deg F
Chest, Ice Cream (Includes Jumbo Wide Island)	-28 to -22 deg F
Frozen Food (Includes Jumbo Wide Island)	-12 to - 5 deg F
Multideck Frozen Food	- 8 to - 3 deg F
Multideck Pre-Pack Meats	+28 to +32 deg F
Multideck Meat	+24 to +28 deg F
Dual-Temp Meat	-12 to - 3 deg F
Glass Door Frozen Food	- 6 to - 1 deg F
Bakery Display	+36 to +40 deg F
Egg Spot Merchandiser	+36 to +40 deg F
Multideck Deli, Self Service	+32 to +35 deg F
Glass Door Ice Cream	-15 to -10 deg F
Multideck Ice Cream	-15 to -12 deg F
Glass Door Medium Temp	+25 to +29 deg F
Fish Case	+28 to +34 deg F

REACH-IN STORAGE BOX TEMPERATURE LIMITS

Blast Freezer	-25 to -15 deg F
Medium Temp Reach-in	+36 to +40 deg F
Low Temp Reach-in	- 6 to + 2 deg F

WALK-IN STORAGE ROOM TEMPERATURE LIMITS

Controlled Temperature Storage	+60 to +65 deg F
Candy Storage	+58 to +65 deg F
Dairy Storage	+34 to +37 deg F
Frozen Food Storage	-10 to 0 deg F
Carcass Storage w/Hose Bib	+32 to +36 deg F
Carcass Storage w/o Hose Bib	+28 to +32 deg F
Meat Holding	+28 to +32 deg F
Meat Processing	+46 to +50 deg F
Meat Wrapping	+46 to +50 deg F
Deli Storage	+34 to +37 deg F
Produce Storage	+38 to +42 deg F
Produce Processing	+58 to +65 deg F
Bakery Cooler	+34 to +37 deg F
Bakery Freezer	- 6 to 0 deg F
Pre-Pack Meat Storage	+32 to +36 deg F

Hard Chill Storage

+26 to +30 deg F

## ROOM ENVIRONMENTAL LIMITS

### Sales Area and Checkout Area

Cooling: 50% maximum Relative Humidity\* and 72 to 75 deg F.

Heating: 60% maximum Relative Humidity and 68 to 71 deg F\*\*.

### ADP Room

Cooling: 72 to 78 deg F.

Heating: 68 to 72 deg F.

### All Other Areas

Cooling: 76 to 80 deg F.

Heating: 68 to 72 deg F\*\*\*.

- \* Set controls at a maximum of 40% relative humidity, but the environment is not deficient until 50% relative humidity is reached.
- \*\* If the system has night setback, let temperature fall to a minimum of 60 deg F during hours that the commissary is closed.
- \*\*\* Should the temperature rise above 72 deg F during the winter due to internal load, the cooling should not start until the temperature reaches the temperature requirements for summer.

TECHNICAL EXHIBIT 7

TENTATIVE COMMISSARY RENOVATION SCHEDULE

CAMP HUMPHREYS	Oct-97	Dec-98
CAMP CARROLL	Nov-98	Jan-00
CAMP PAGE	Nov-98	Jan-00
CAMP STANLEY	Nov-98	Jan-00
KUNSAN AIR BASE	1999	2000
CAMP CASEY	1999	2000
REFRIGERATION EQUIPMENT REPLACEMENT		
CAMP HIALEAH	1999	2000
REFRIGERATED DISPLAY CASE REPLACEMENT		
YONGSAN GARRISON	2000	2001
REFRIGERATED DISPLAY CASE REPLACEMENT		